

**SPAN 6 GUSSET PLATES
LORAIN CARNEGIE**

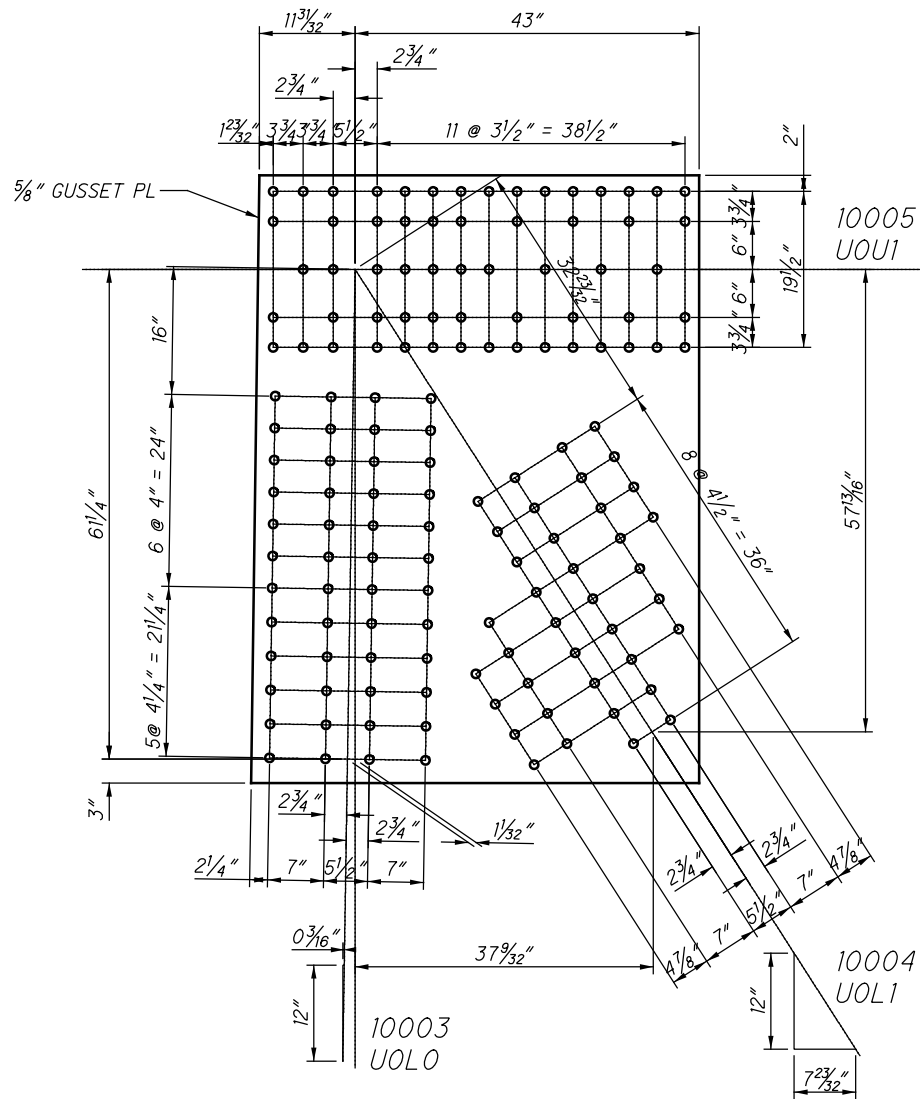
LEGEND

- $1 \frac{1}{16}$ " HOLES TYPICAL
- ✕ $1 \frac{1}{16}$ " COUNTERSUNK RIVET HOLE

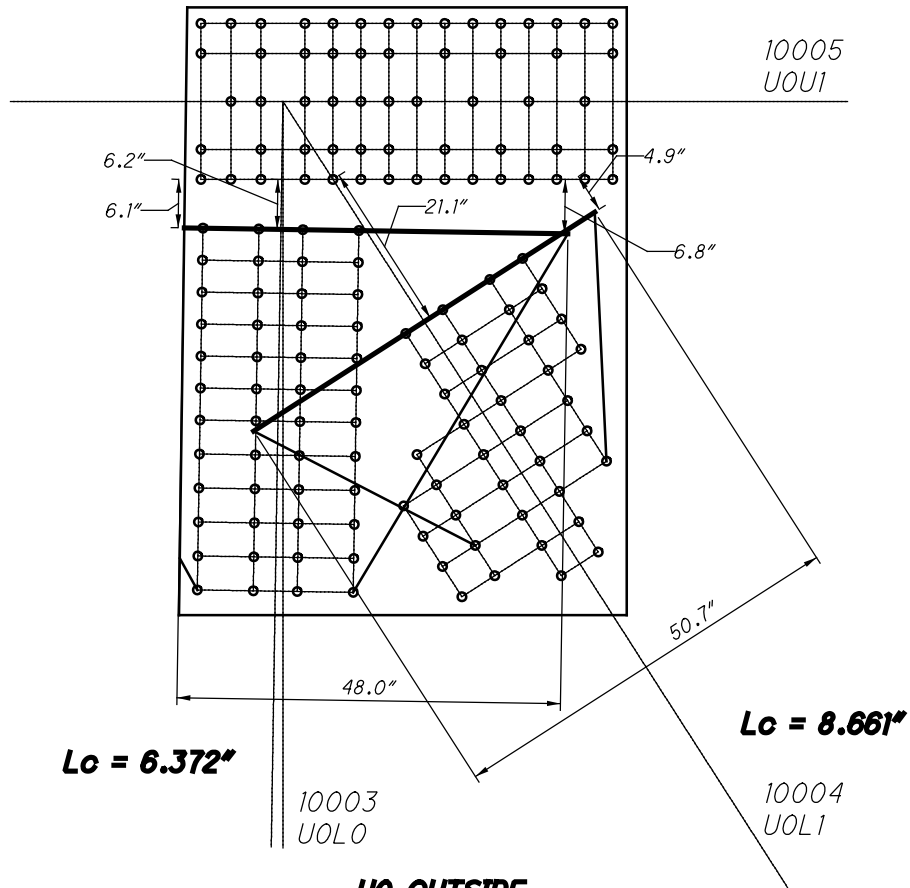
NOTES:

ALL EDGE DISTANCES ARE $1 \frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

ALL GUSSET PLATES ARE COPPER
BEARING SILICONE STEEL.

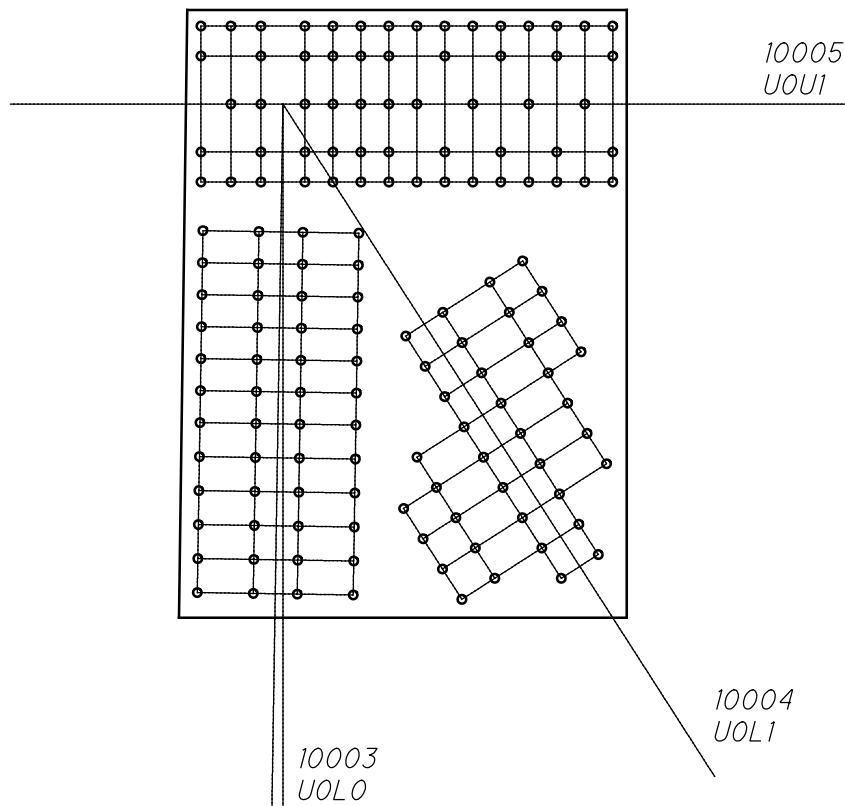


**UO OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



**UO OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS



**UO OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

60 RIVETS

11000 AND 41000

10005
UOU1

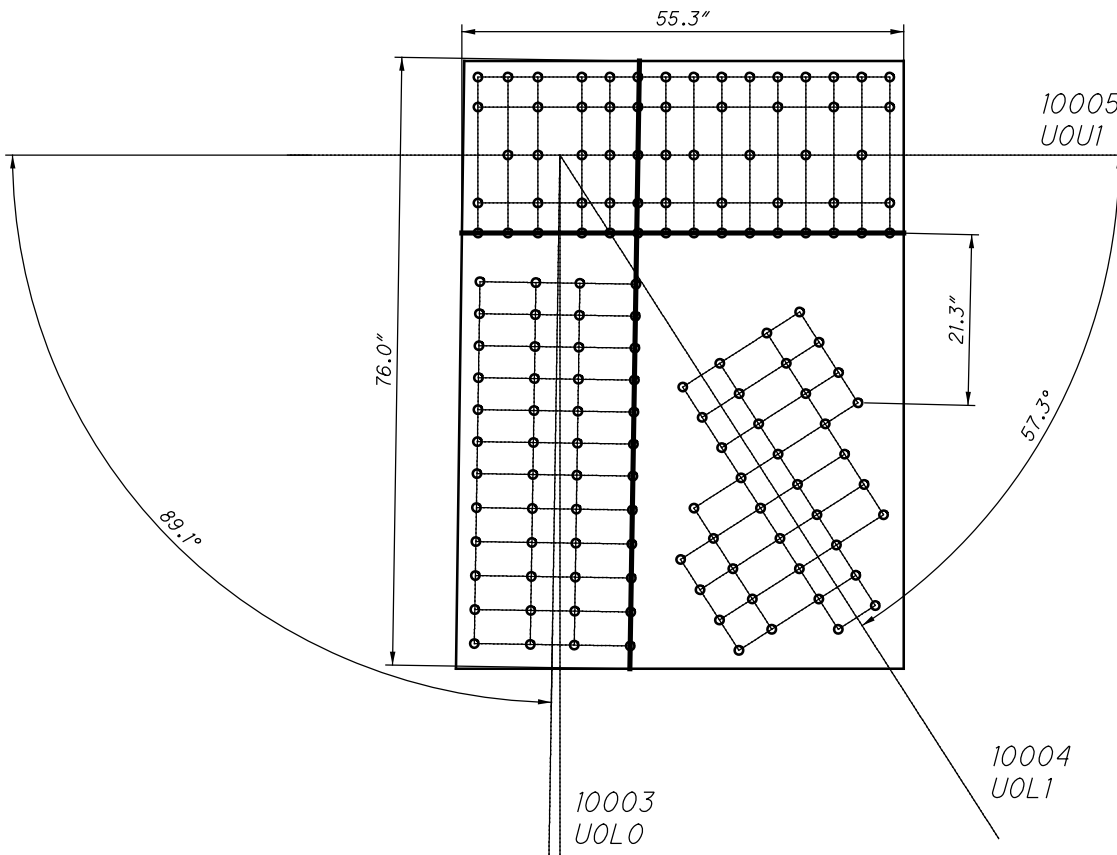
48 RIVETS
x 2 PLATES
=96 RIVETS

30 RIVETS
x 2 PLATES
=60 RIVETS

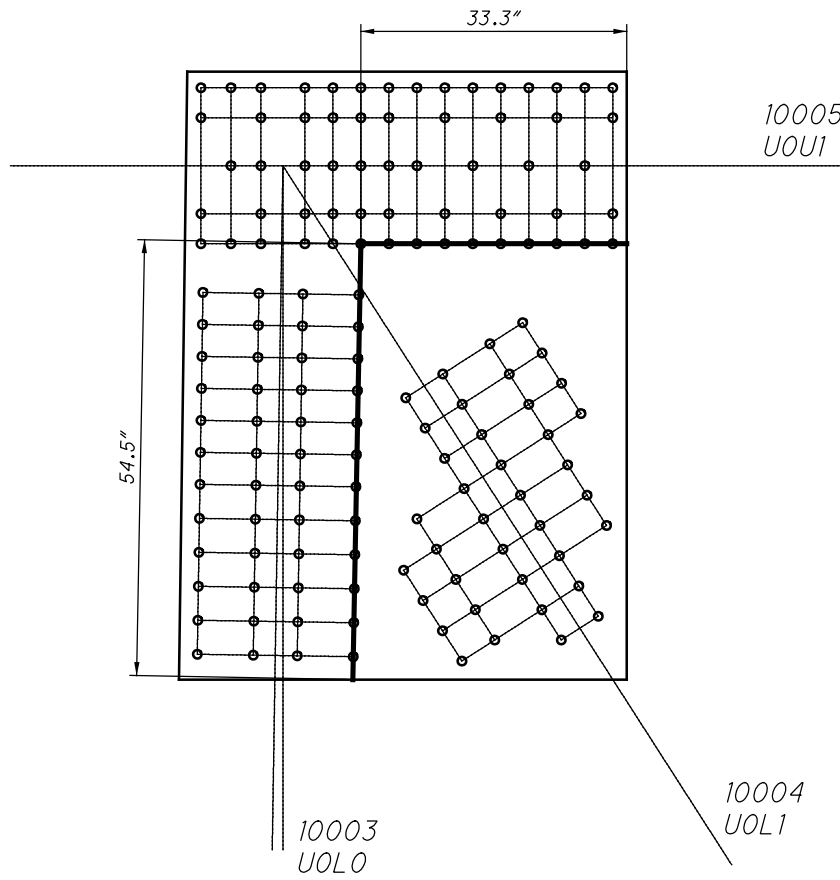
10003
UOLO

10004
UOL1

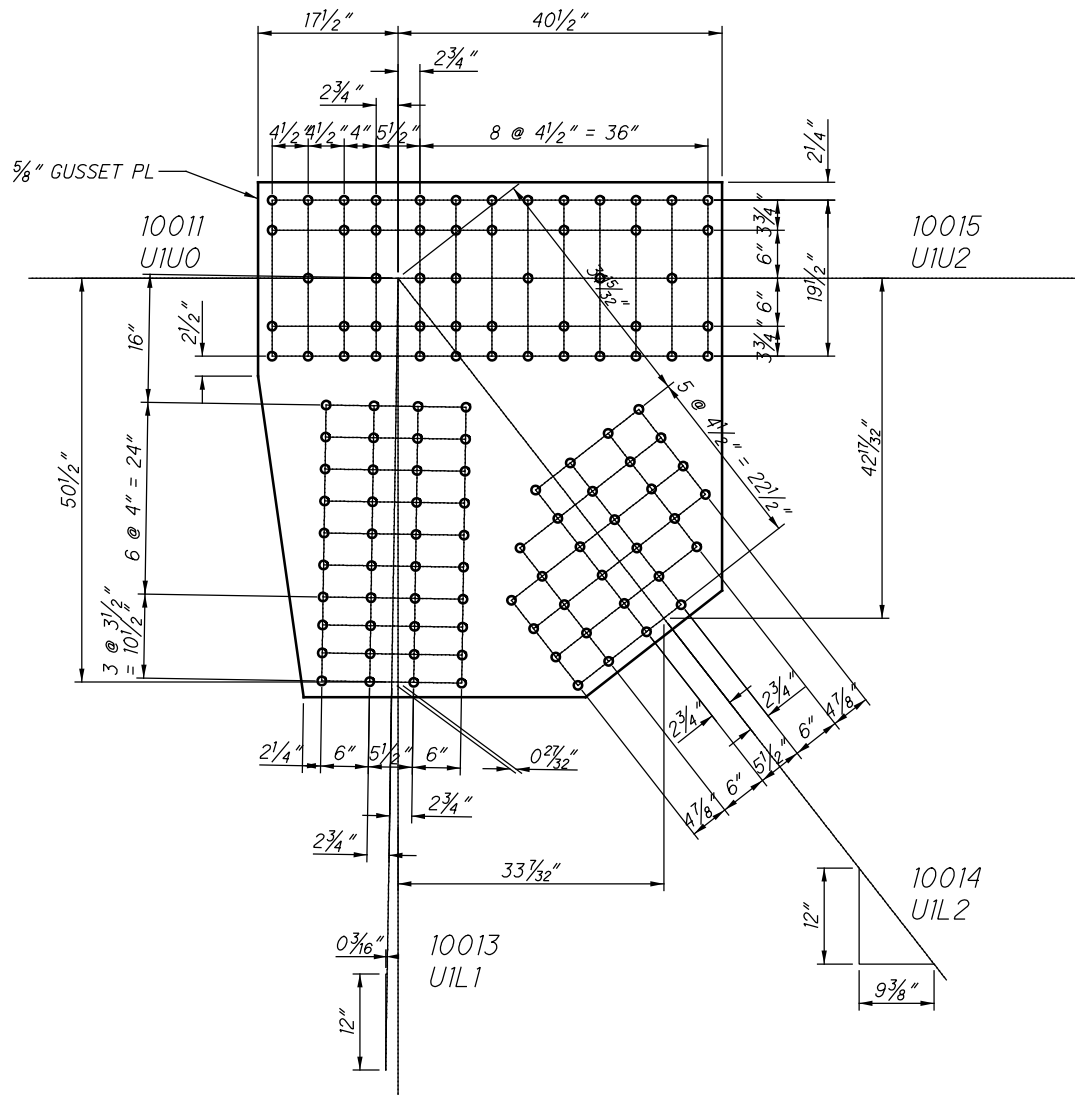
**UO OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**UO OUTSIDE
SHEAR AND FREE EDGE CHECK**

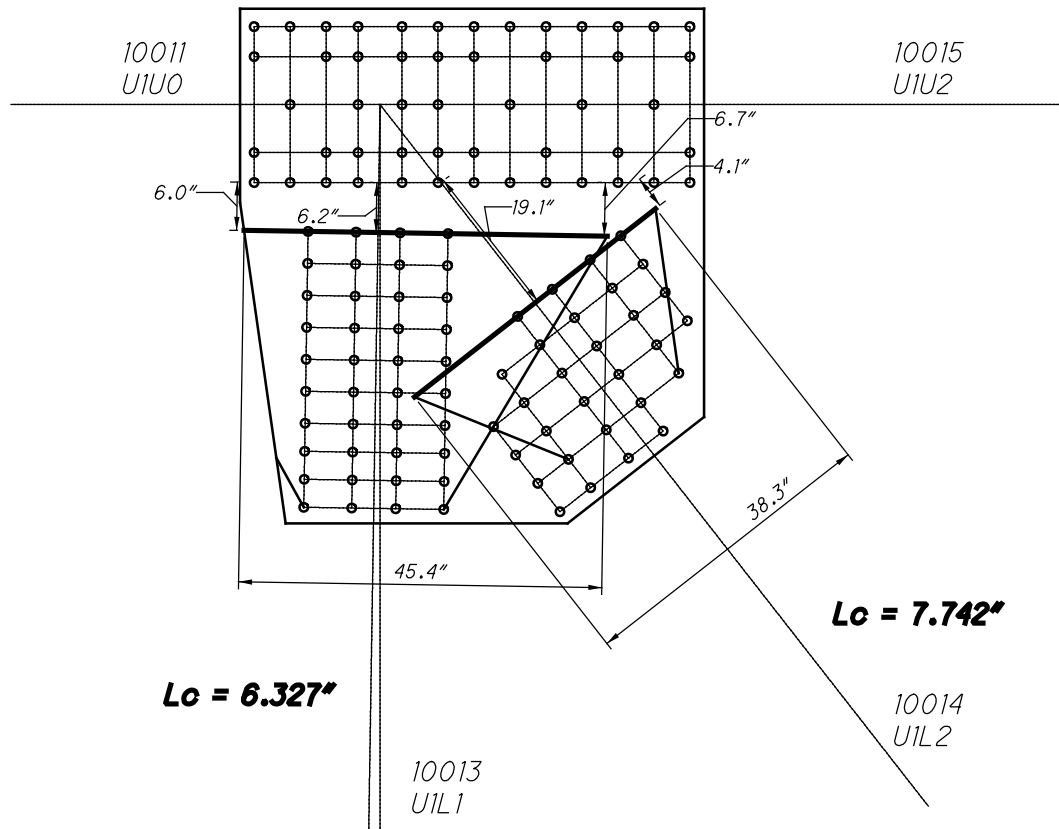


**UO OUTSIDE
QUADRANT DIMENSIONS**



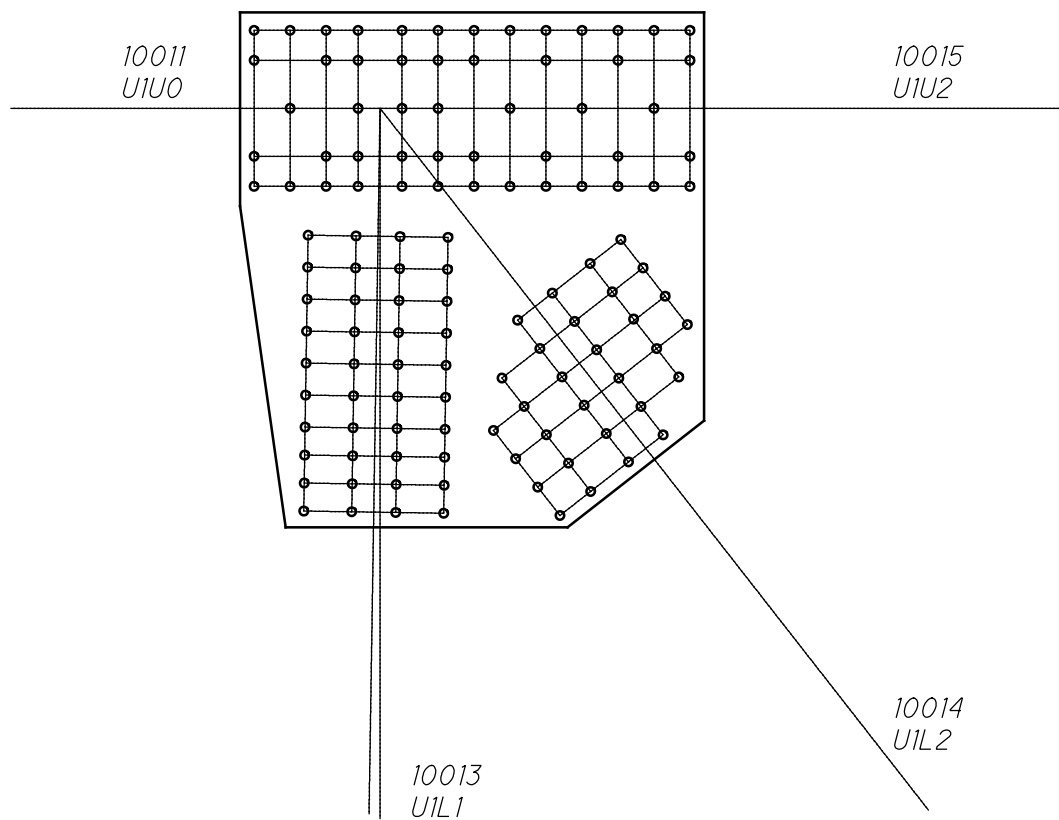
**UI OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

11001 AND 41001

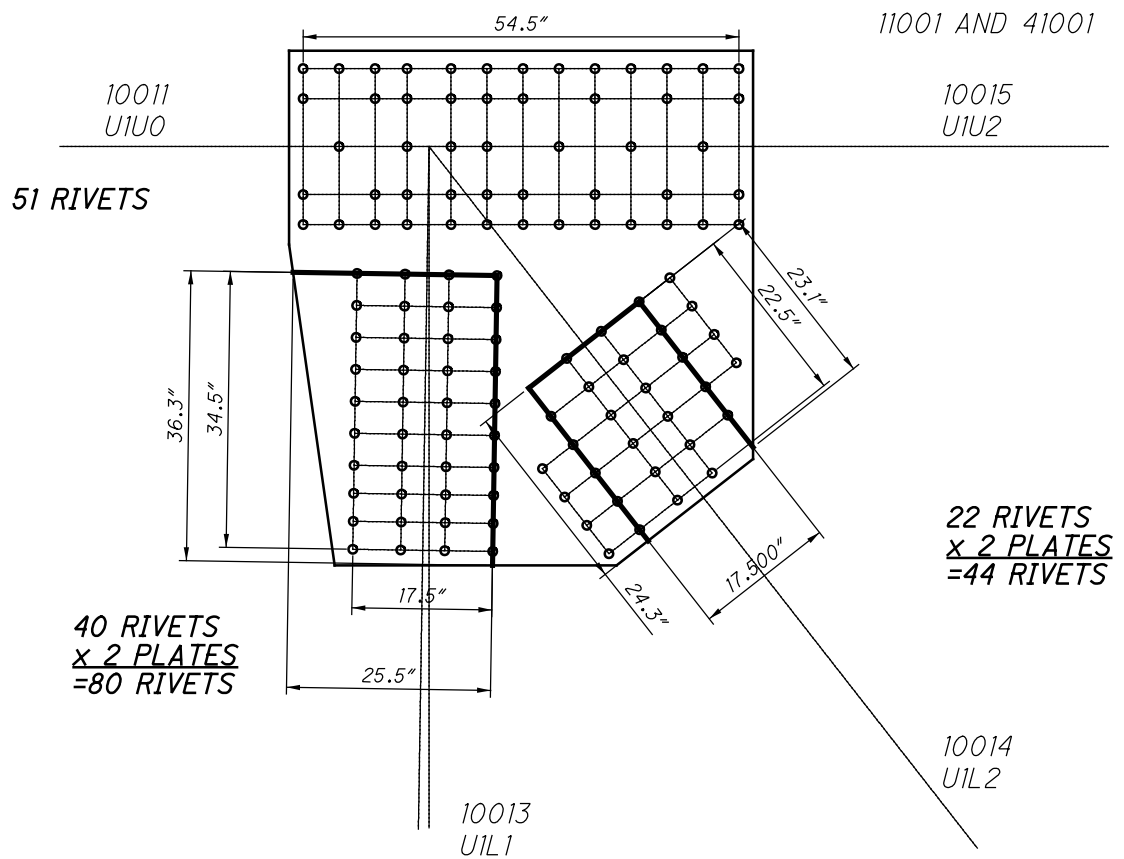


**UI OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

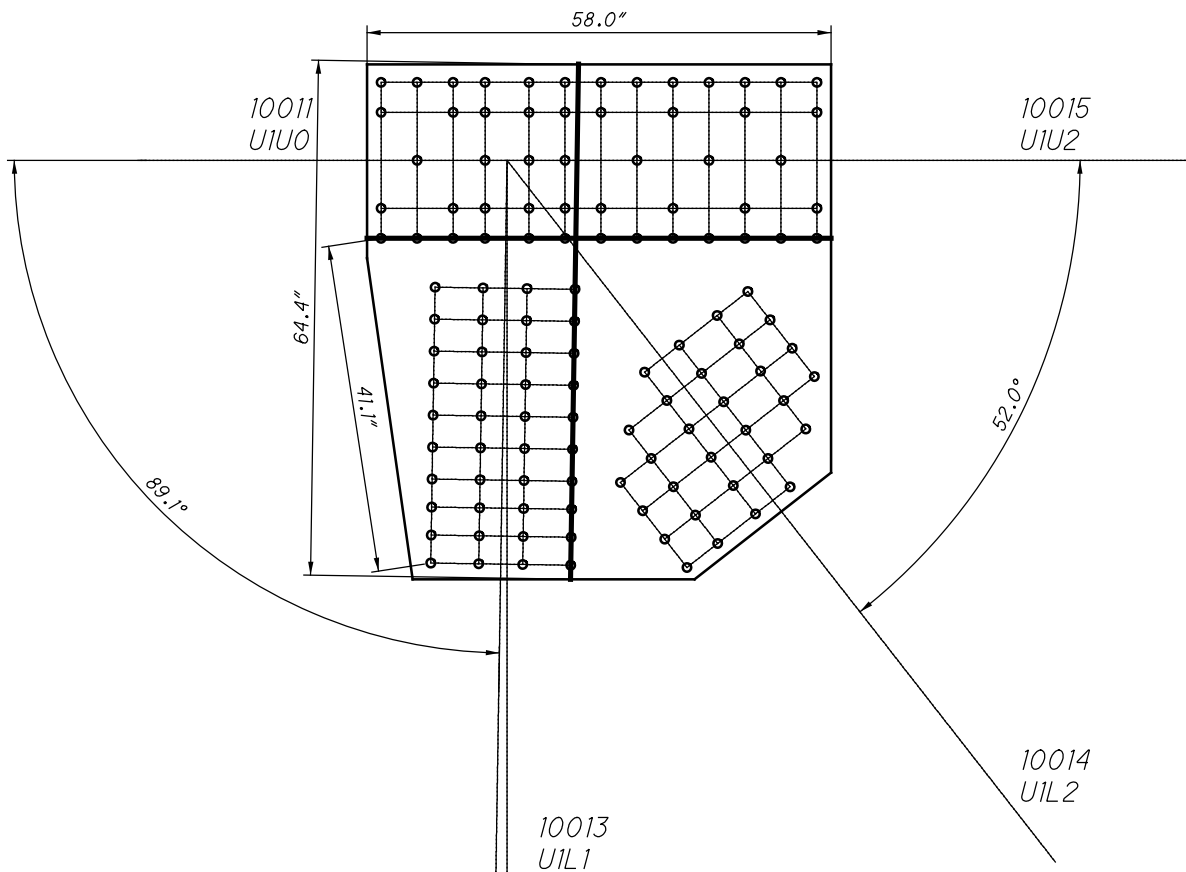
CHORD IS CONTINUOUS



**UI OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

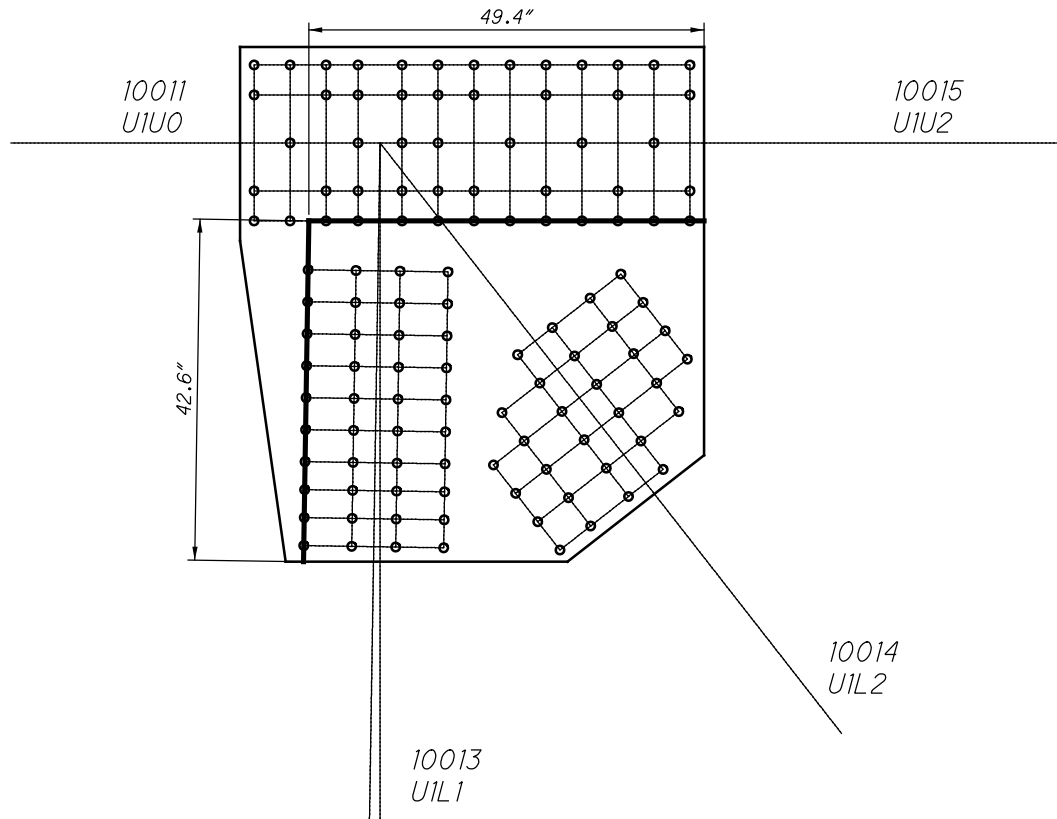


**UI OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

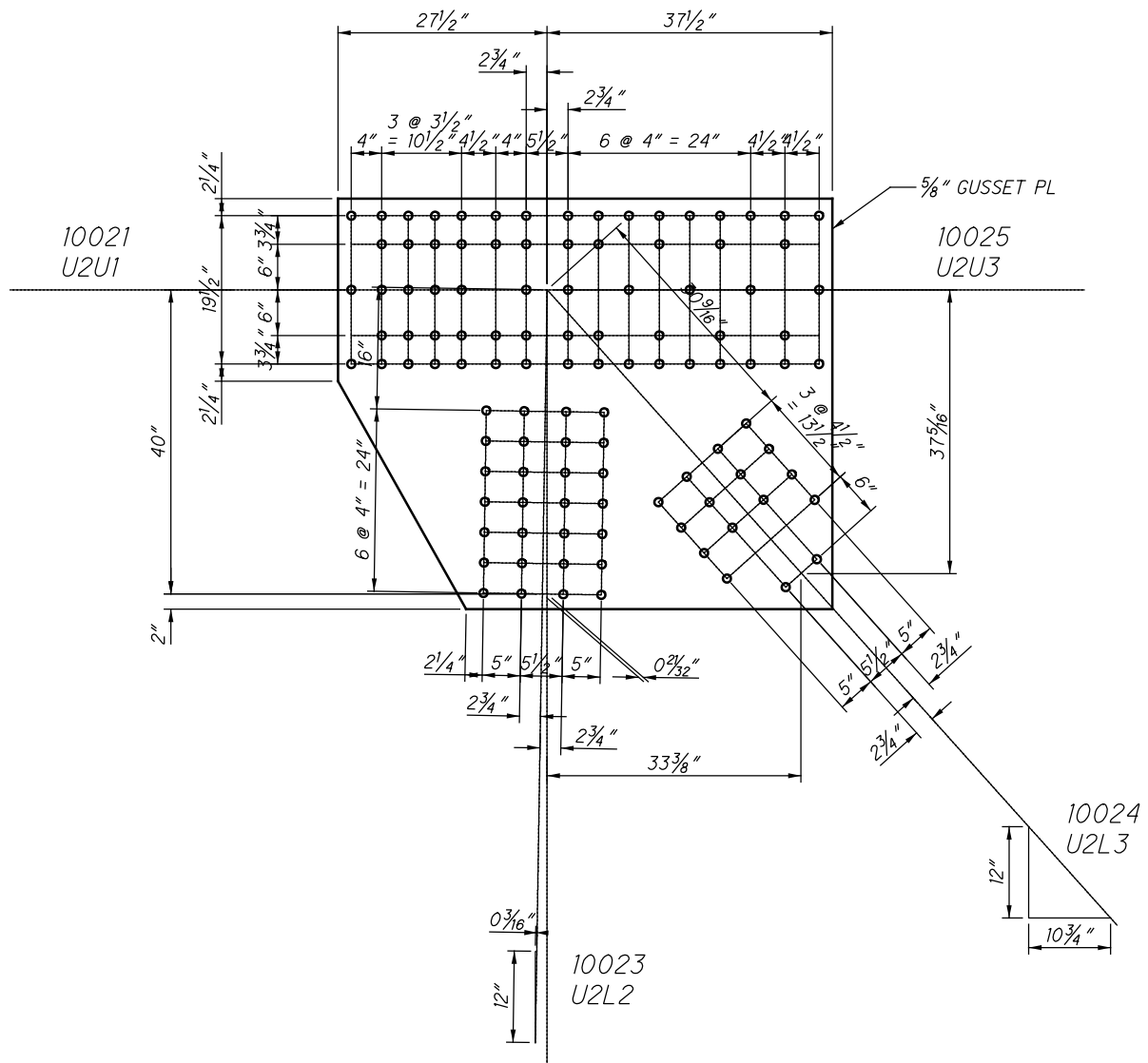


**UI OUTSIDE
SHEAR AND FREE EDGE CHECK**

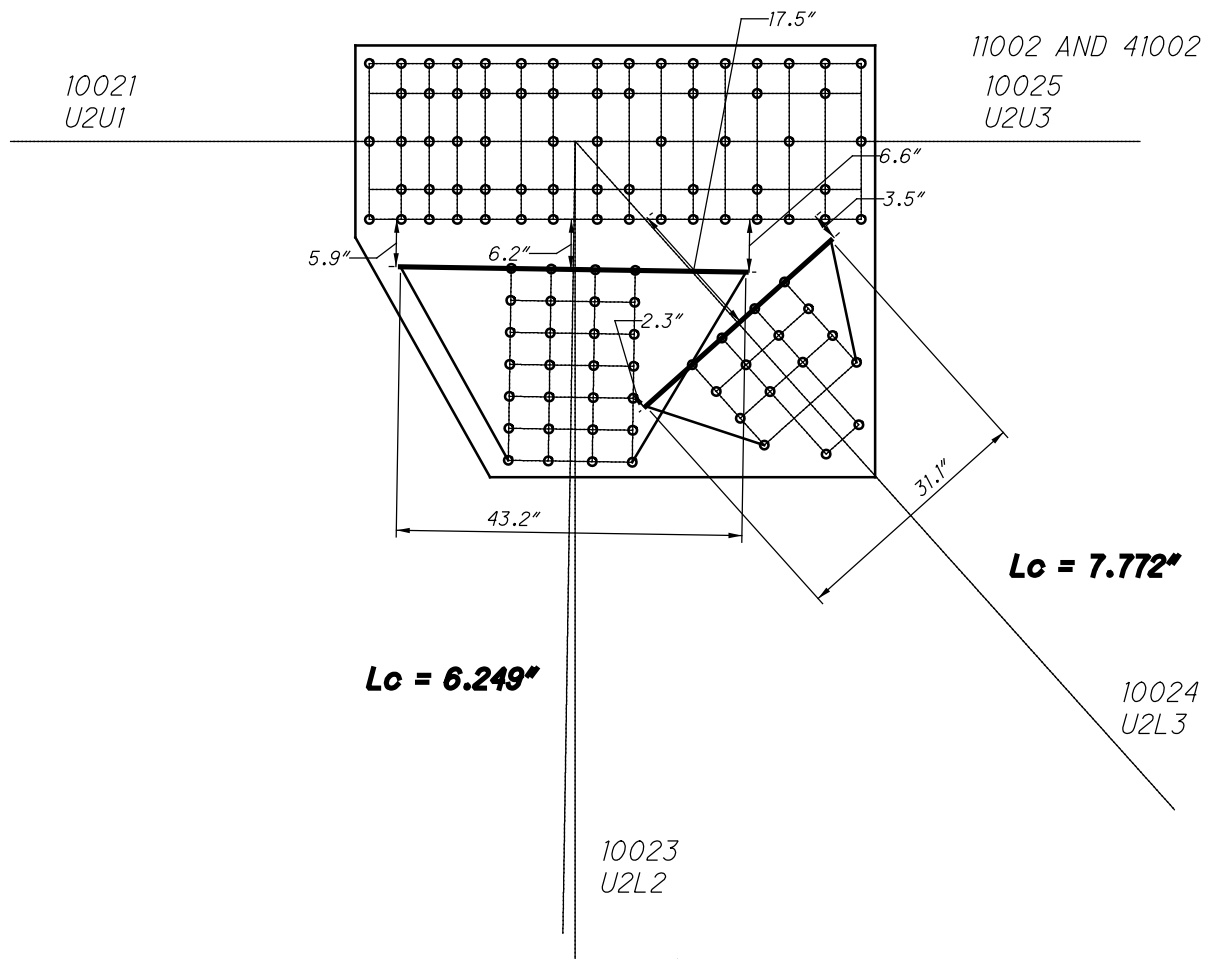
11001 AND 41001



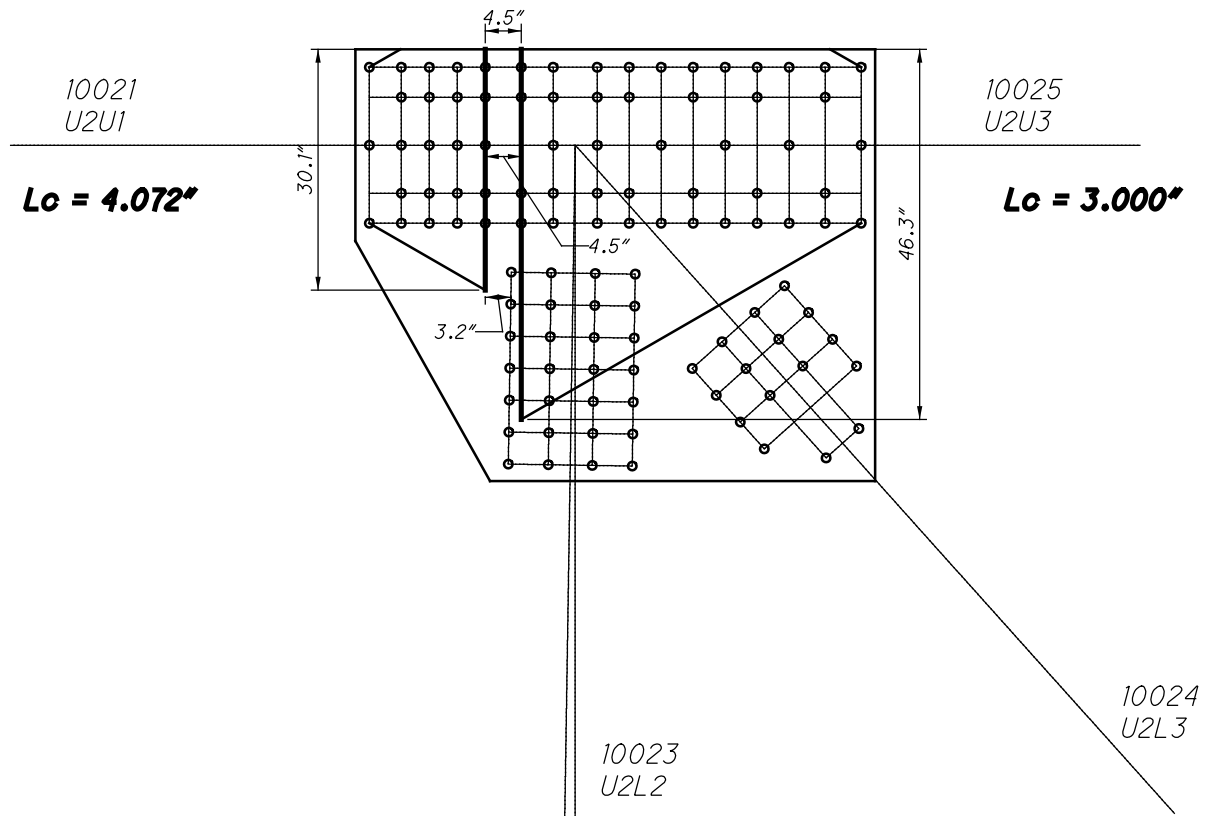
UI OUTSIDE QUADRANT DIMENSIONS



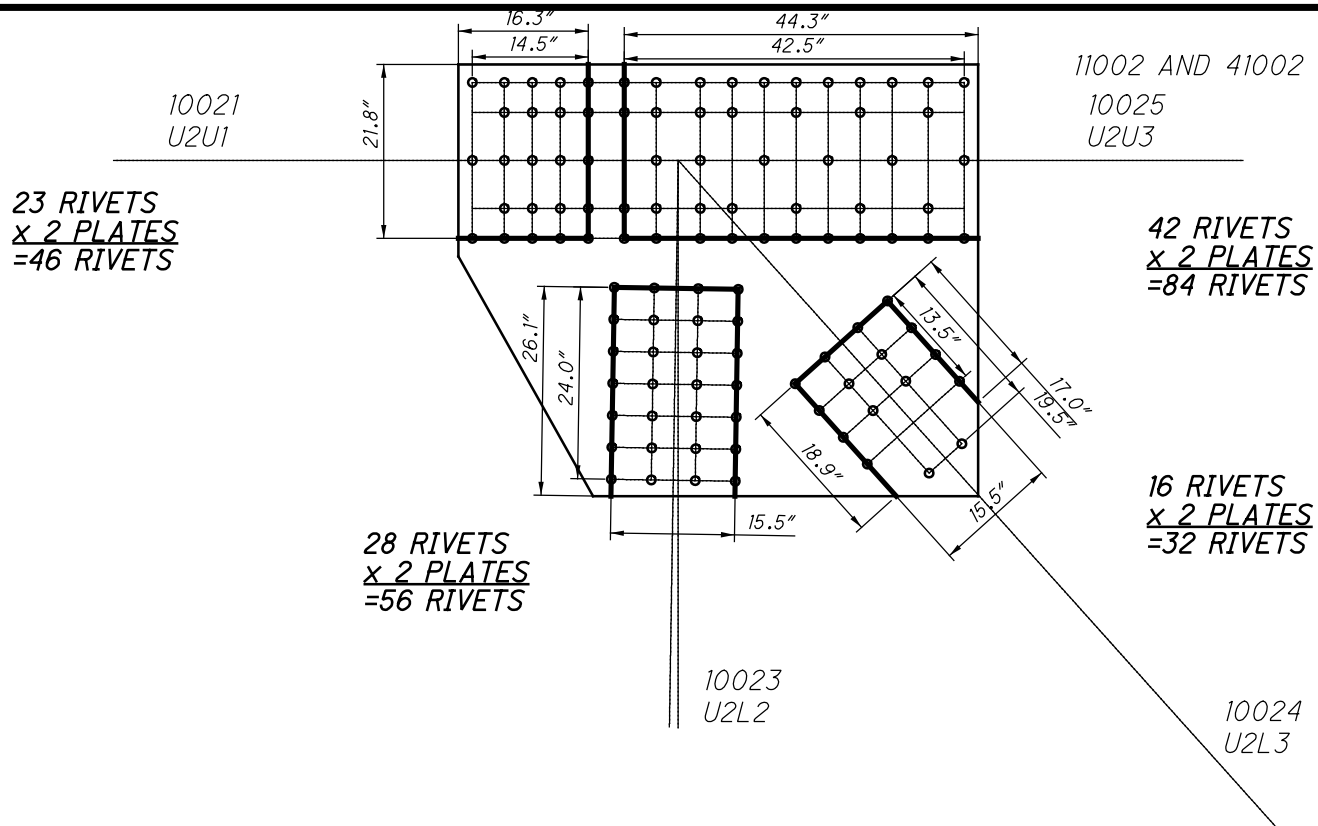
**U2 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



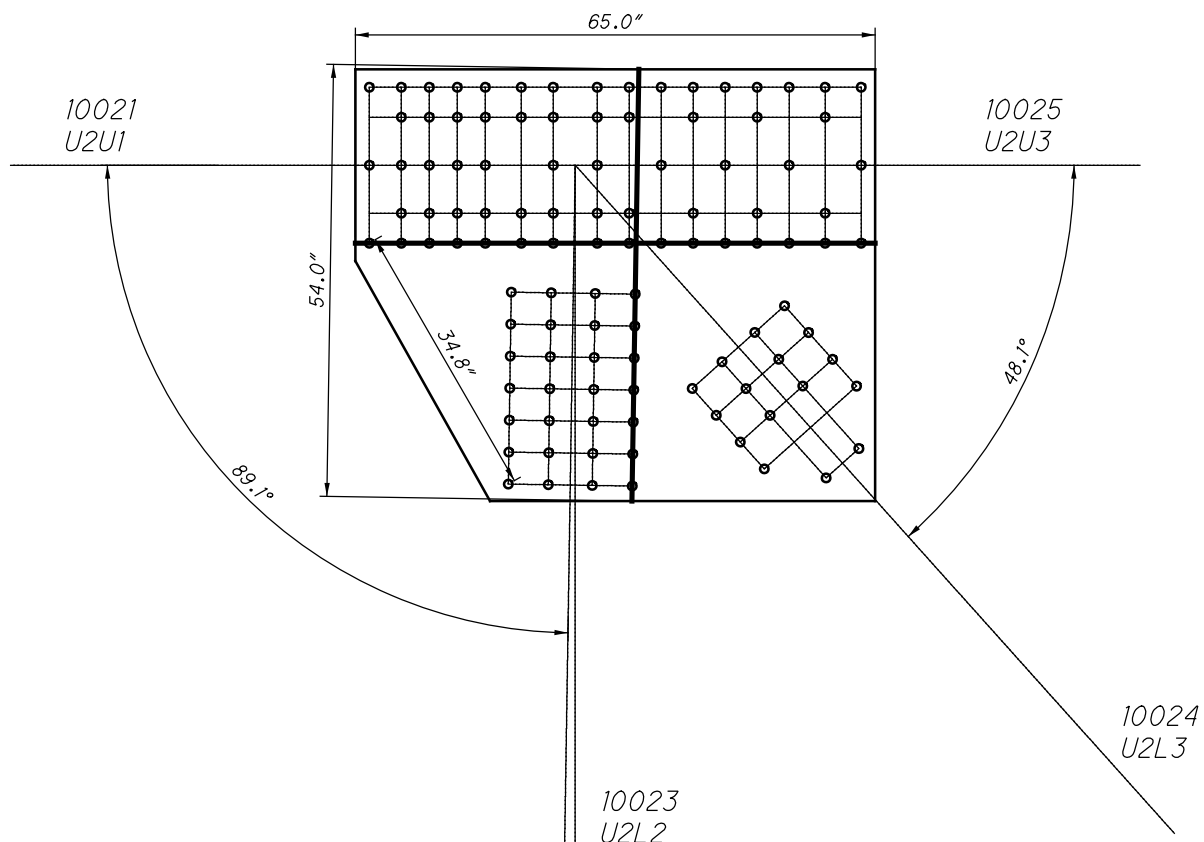
**U2 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U2 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

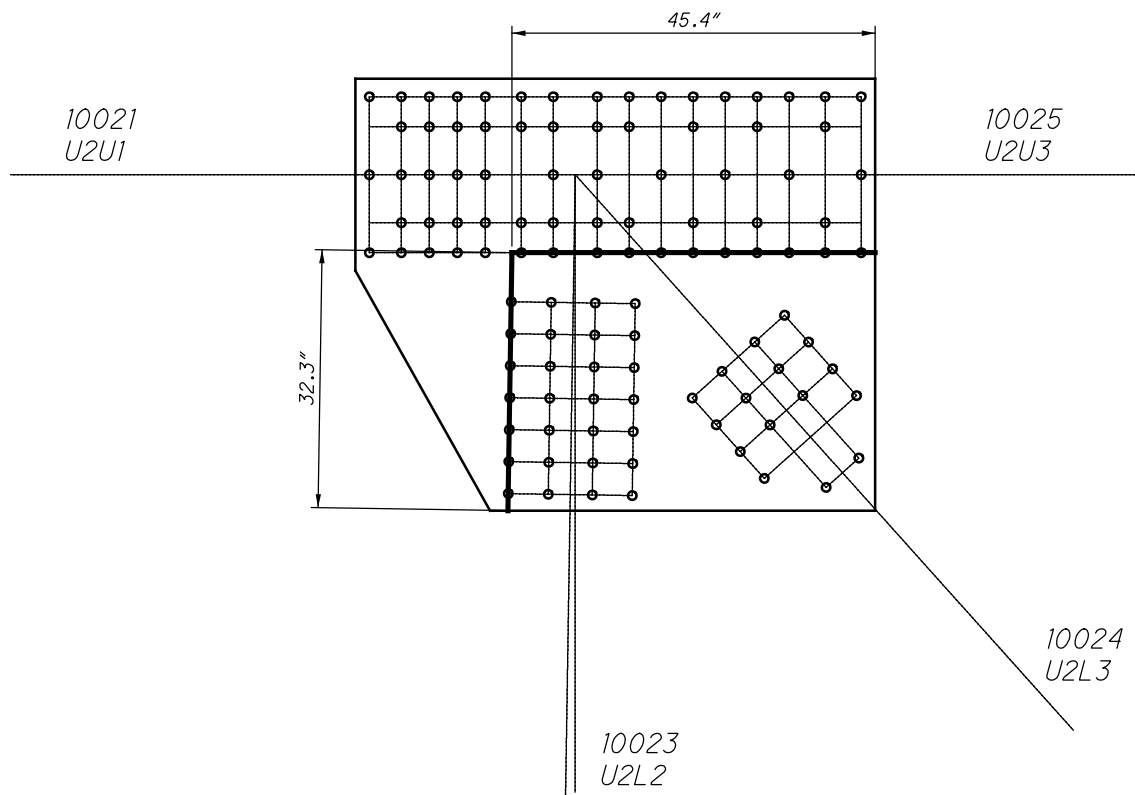


**U2 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

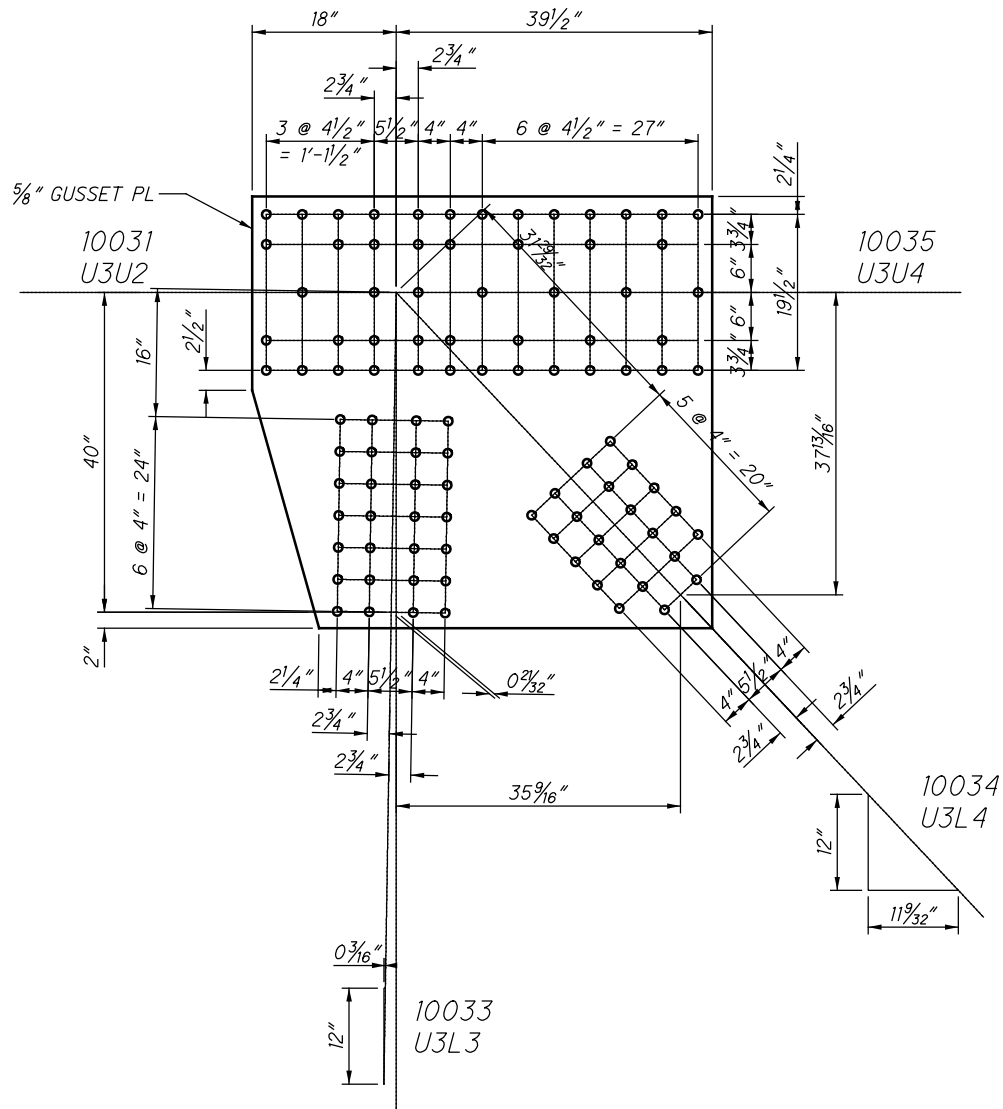


**U2 OUTSIDE
SHEAR AND FREE EDGE CHECK**

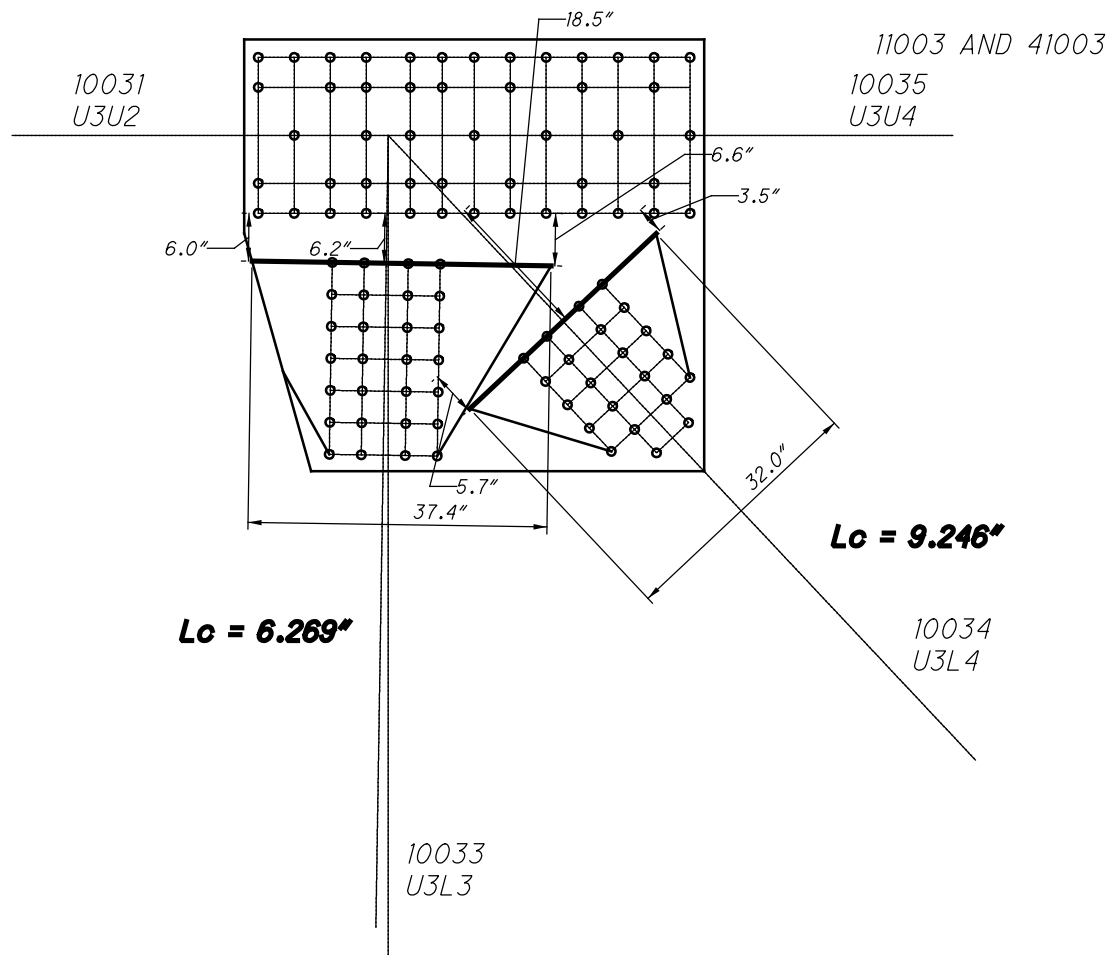
11002 AND 41002



**U2 OUTSIDE
QUADRANT DIMENSIONS**

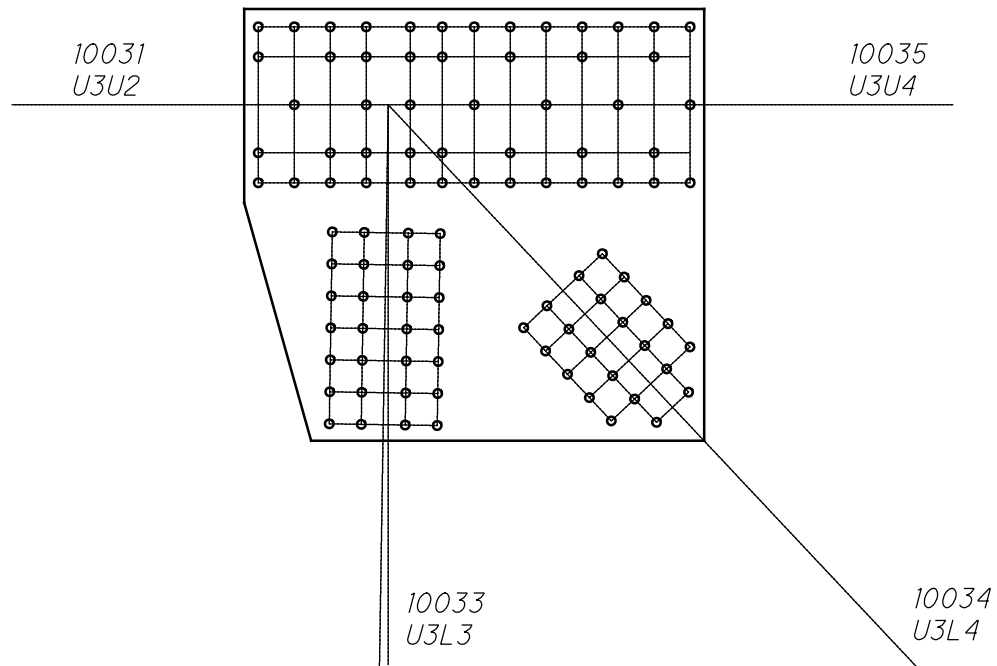


**U3 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

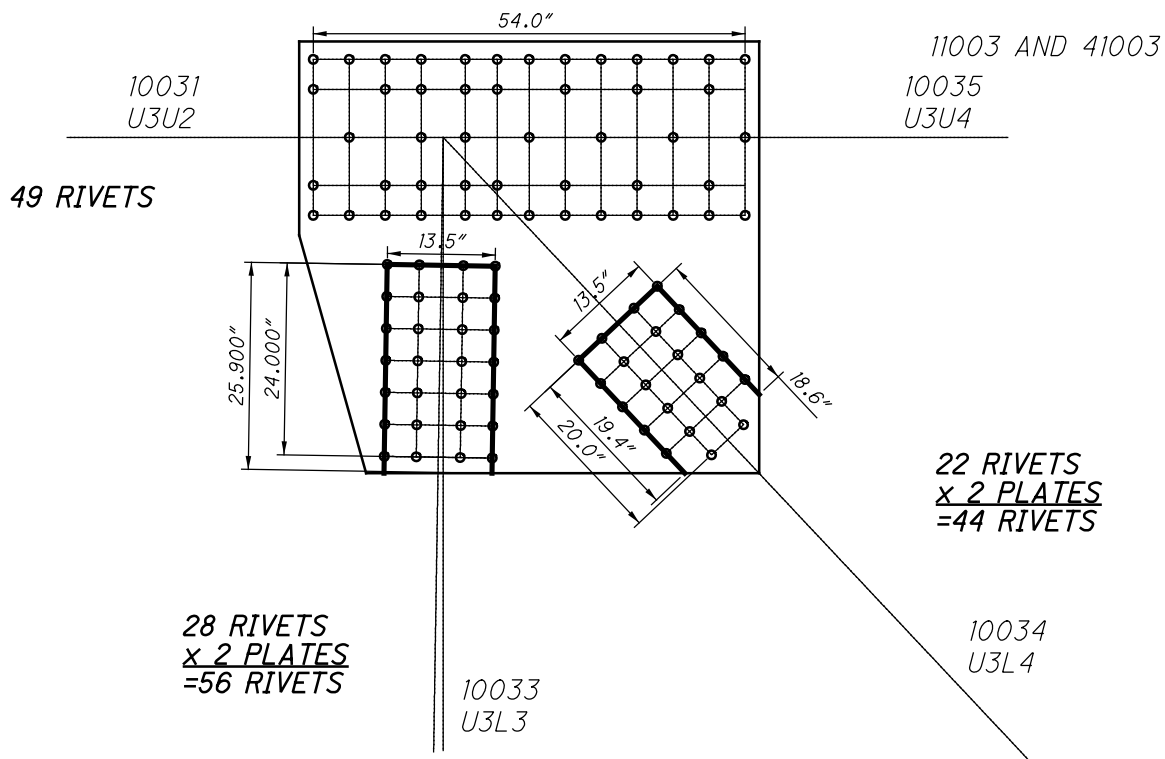


**U3 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

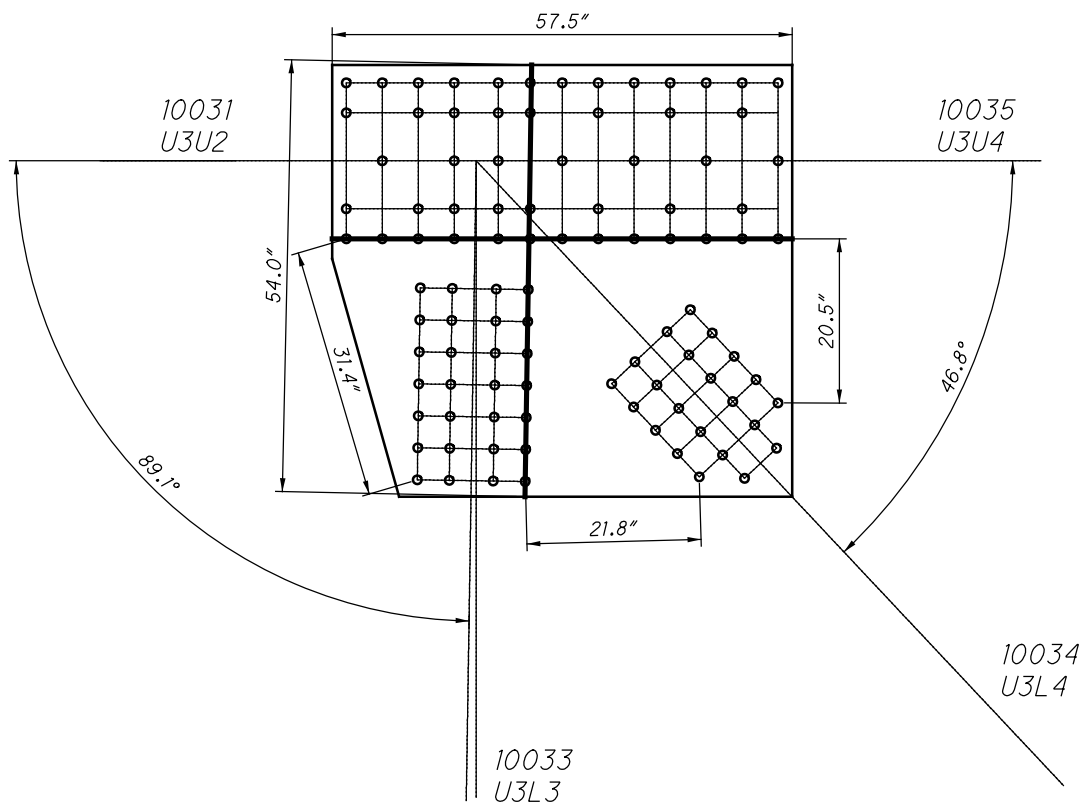
CHORD IS CONTINUOUS



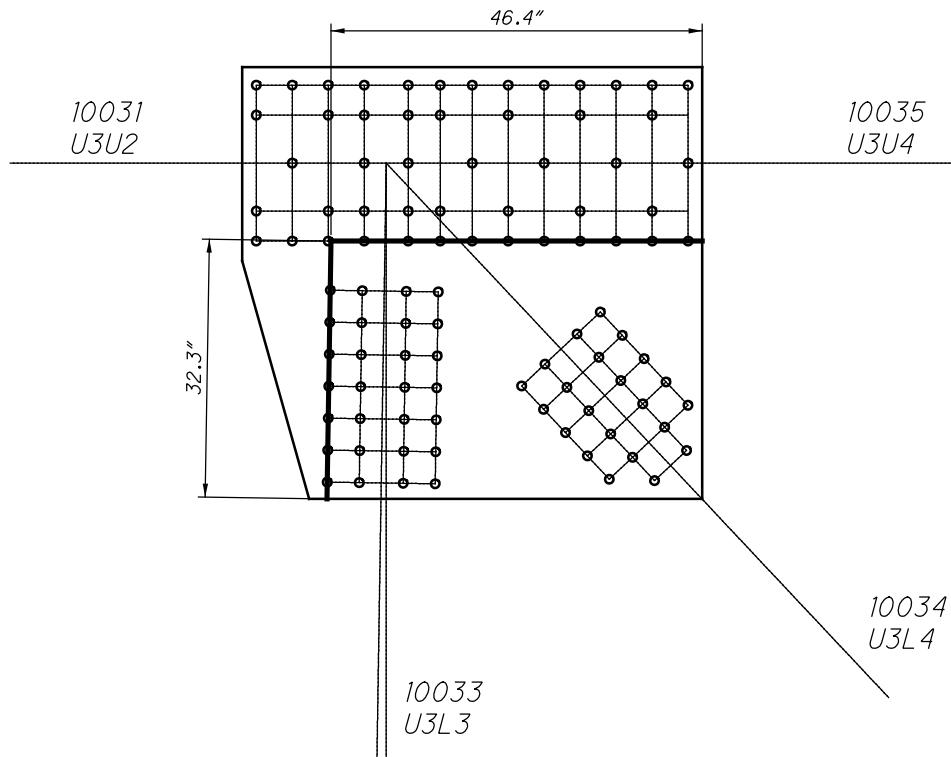
**U3 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



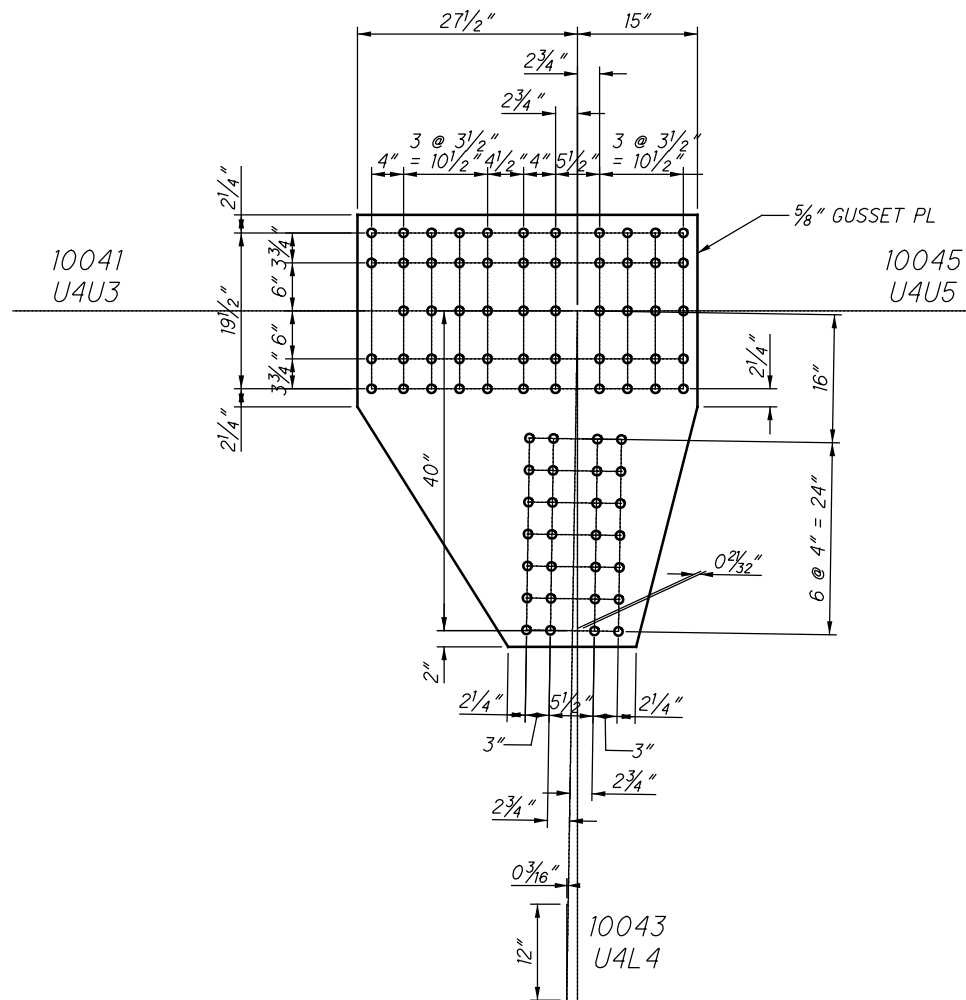
**U3 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



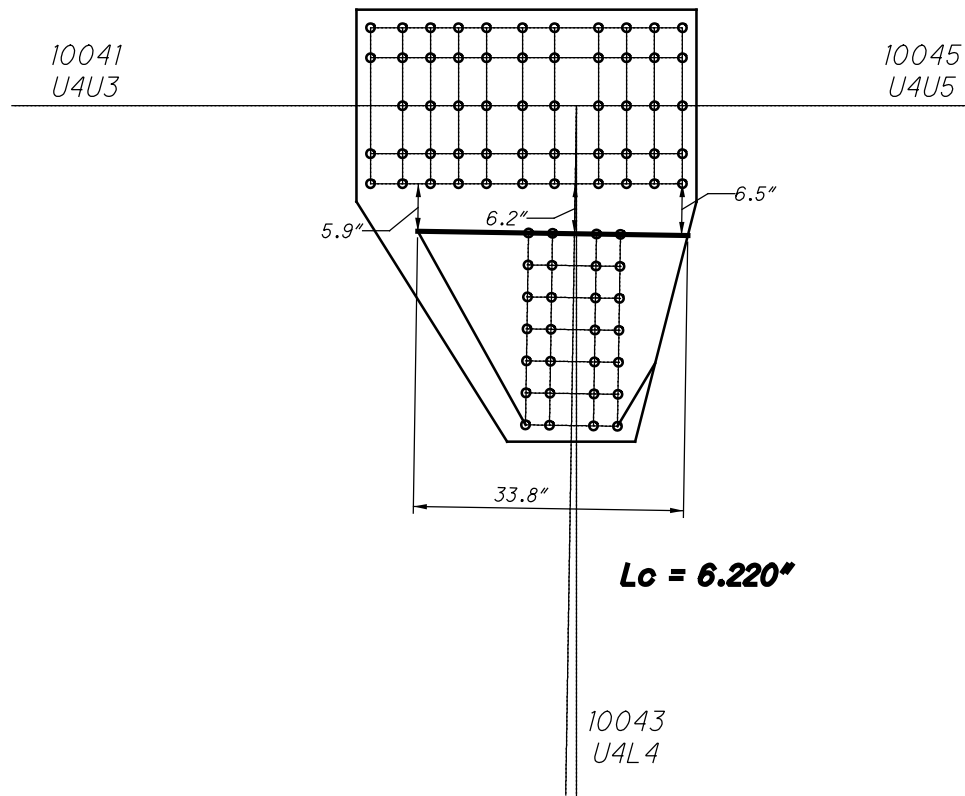
**U3 OUTSIDE
SHEAR AND FREE EDGE CHECK**



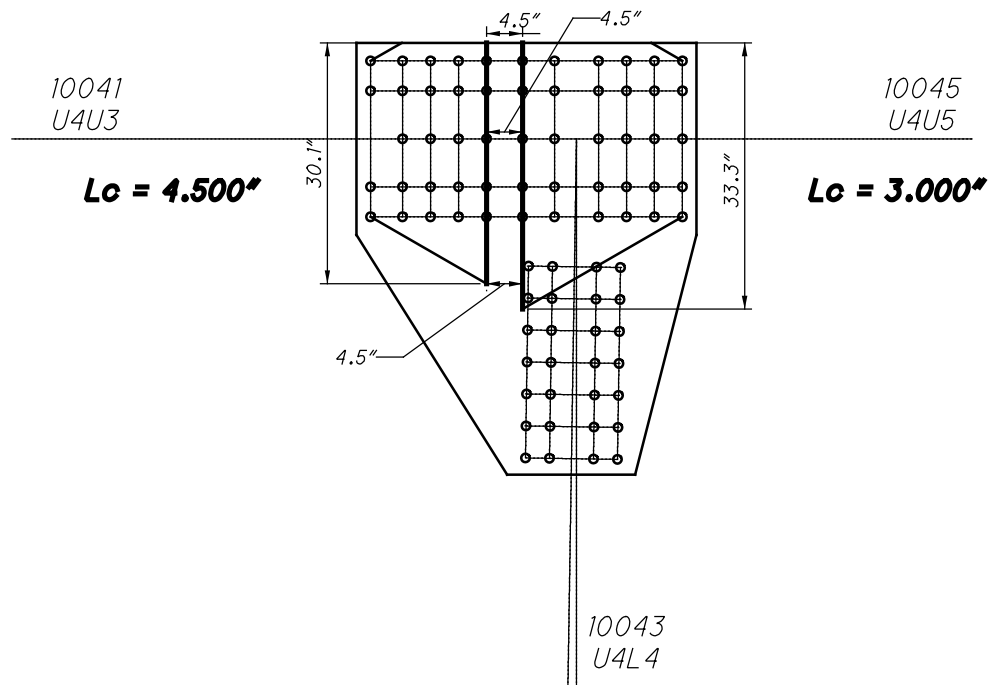
**U3 OUTSIDE
QUADRANT DIMENSIONS**



**U4 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

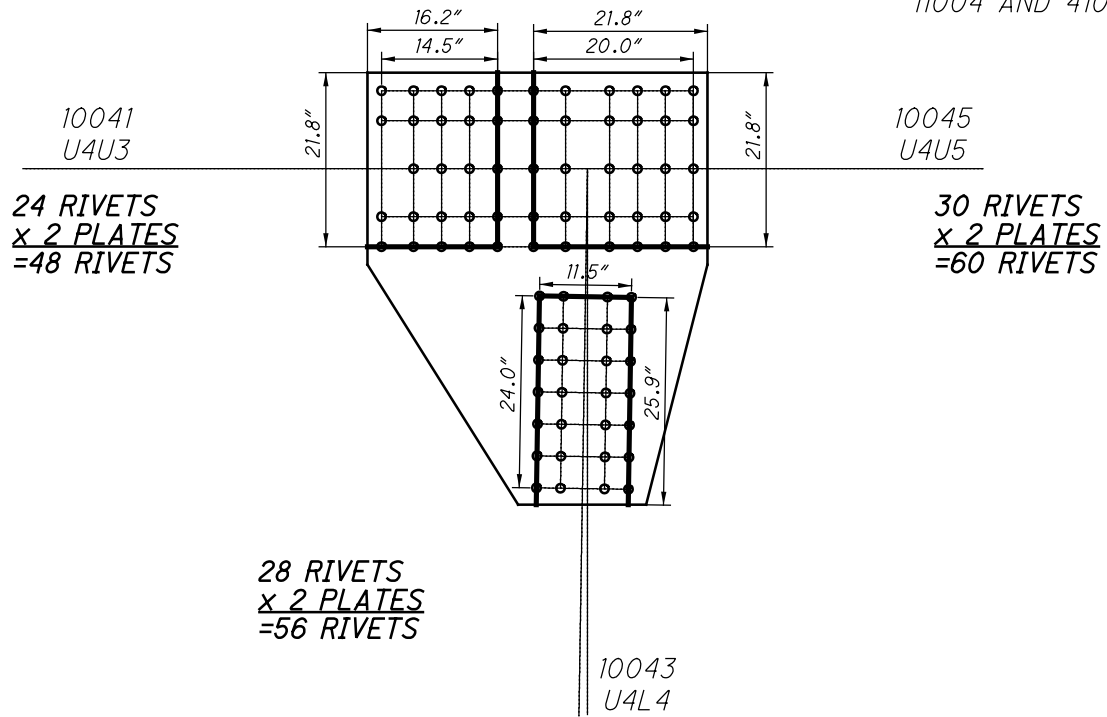


**U4 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

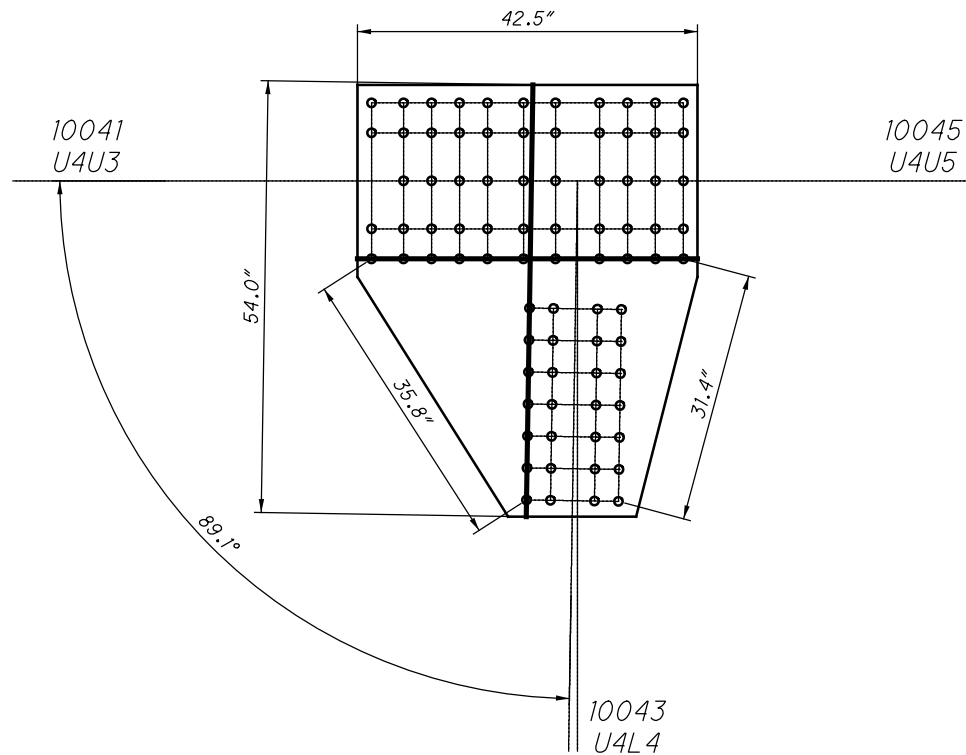


**U4 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

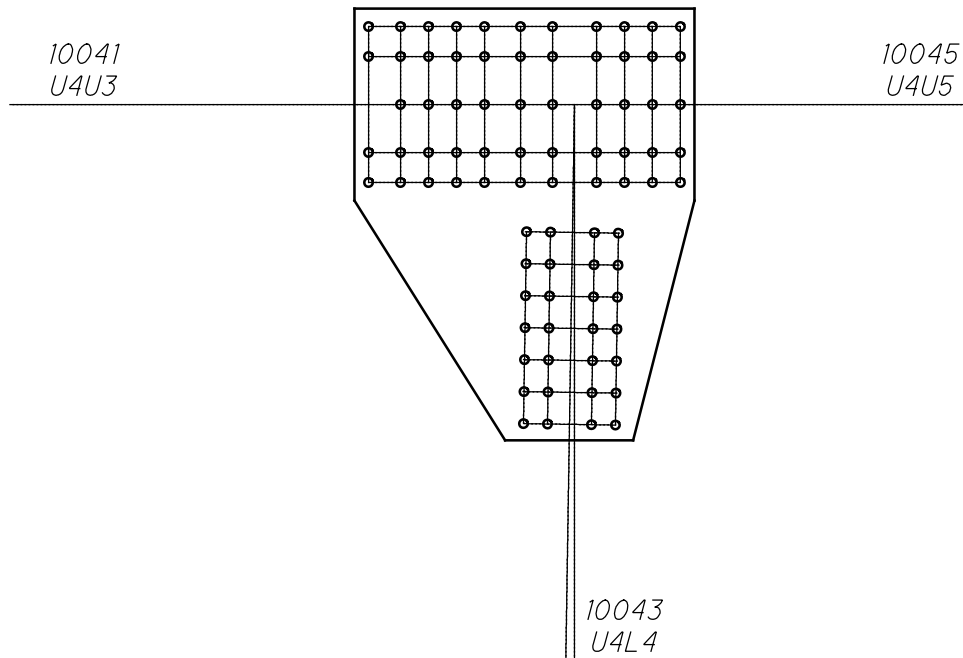
11004 AND 41004



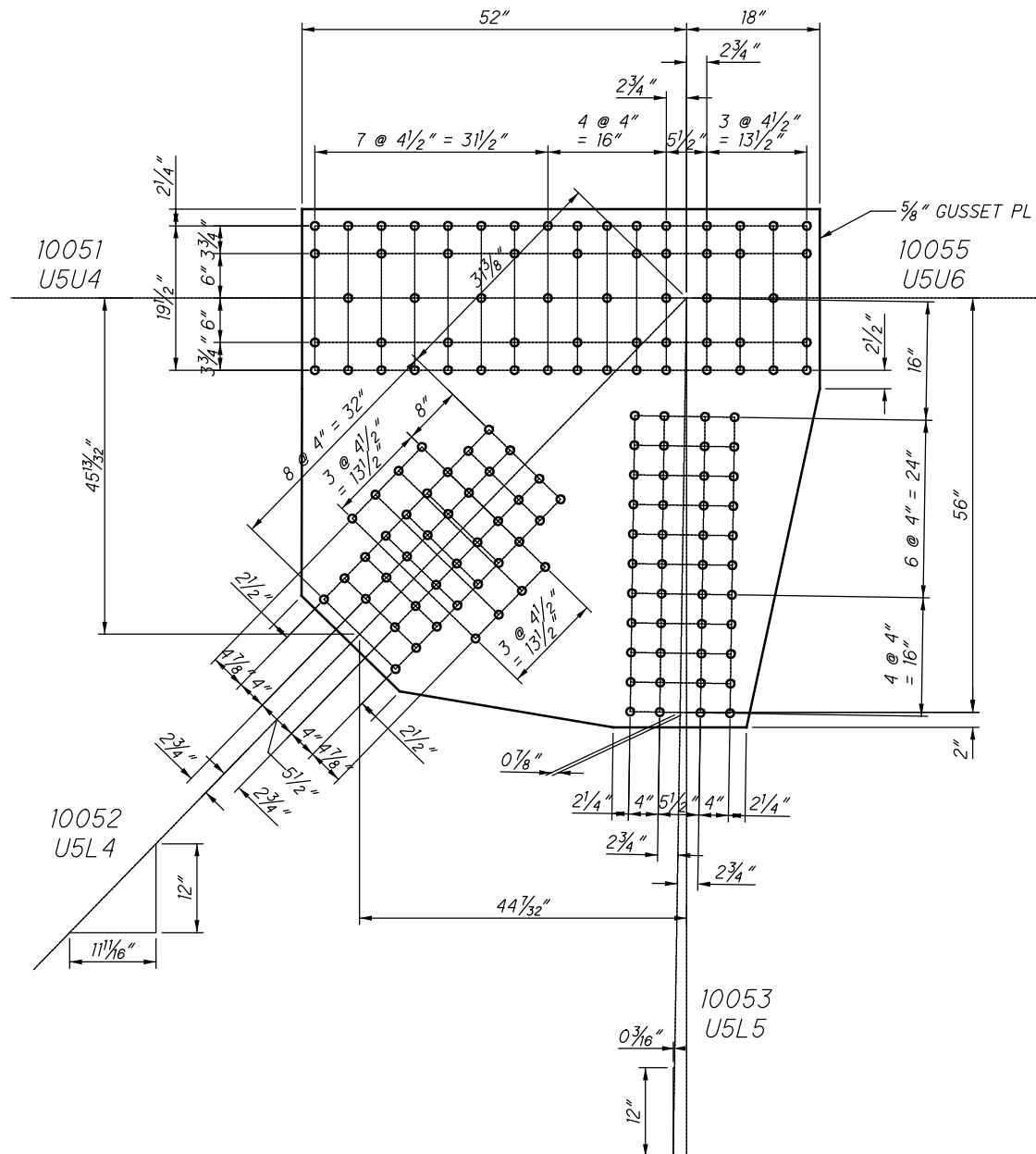
**U4 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U4 OUTSIDE
SHEAR AND FREE EDGE CHECK**



**U4 OUTSIDE
QUADRANT DIMENSIONS**



**U5 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

11005 AND 41005

10051
U5U4

10055
U5U6

$L_c = 5.924''$

10052
U5L4

$L_c = 6.184''$

10053
U5L5

**U5 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

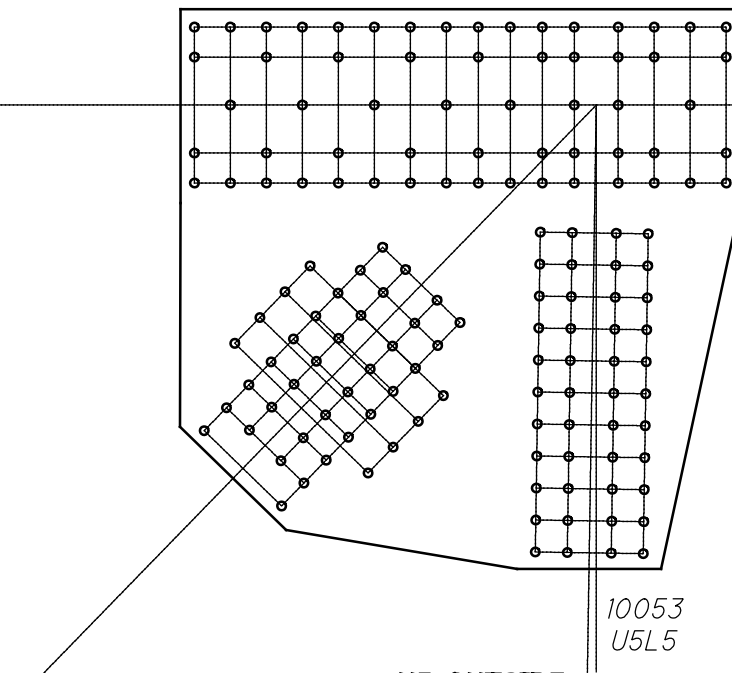
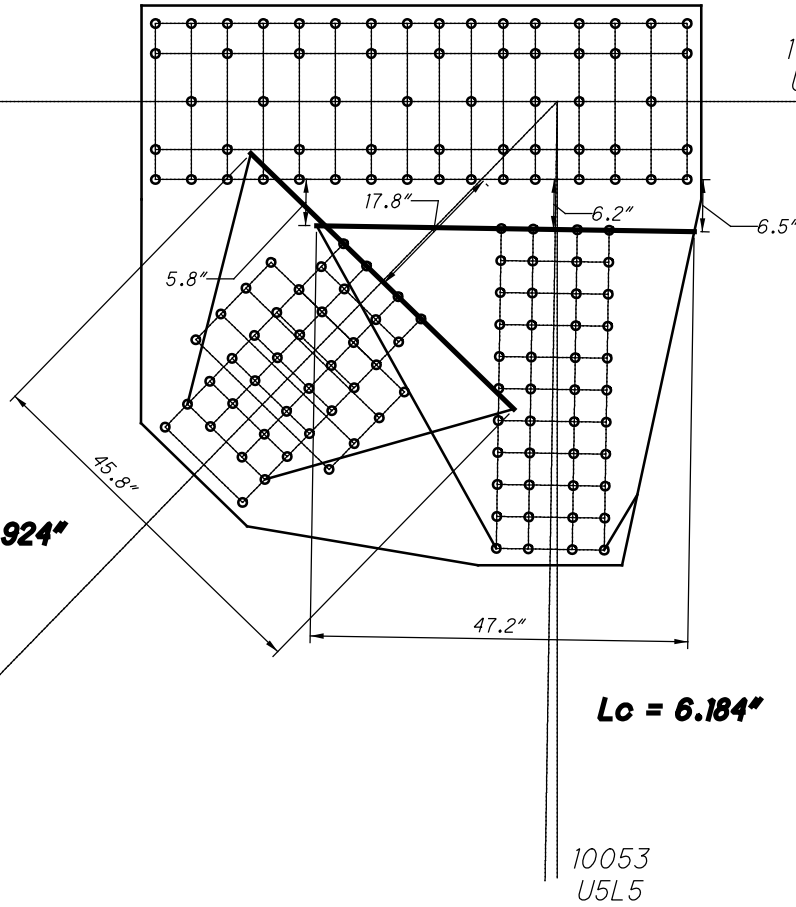
10051
U5U4

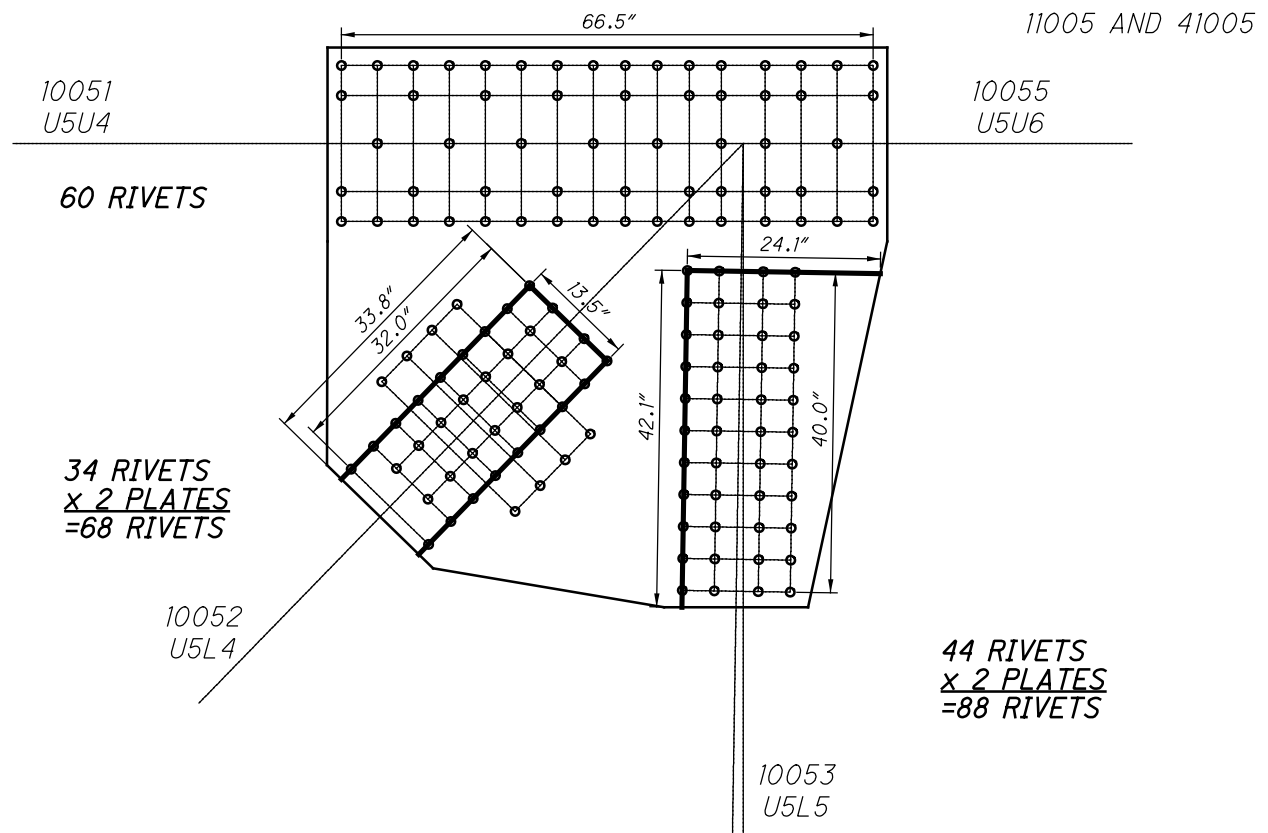
10055
U5U6

10052
U5L4

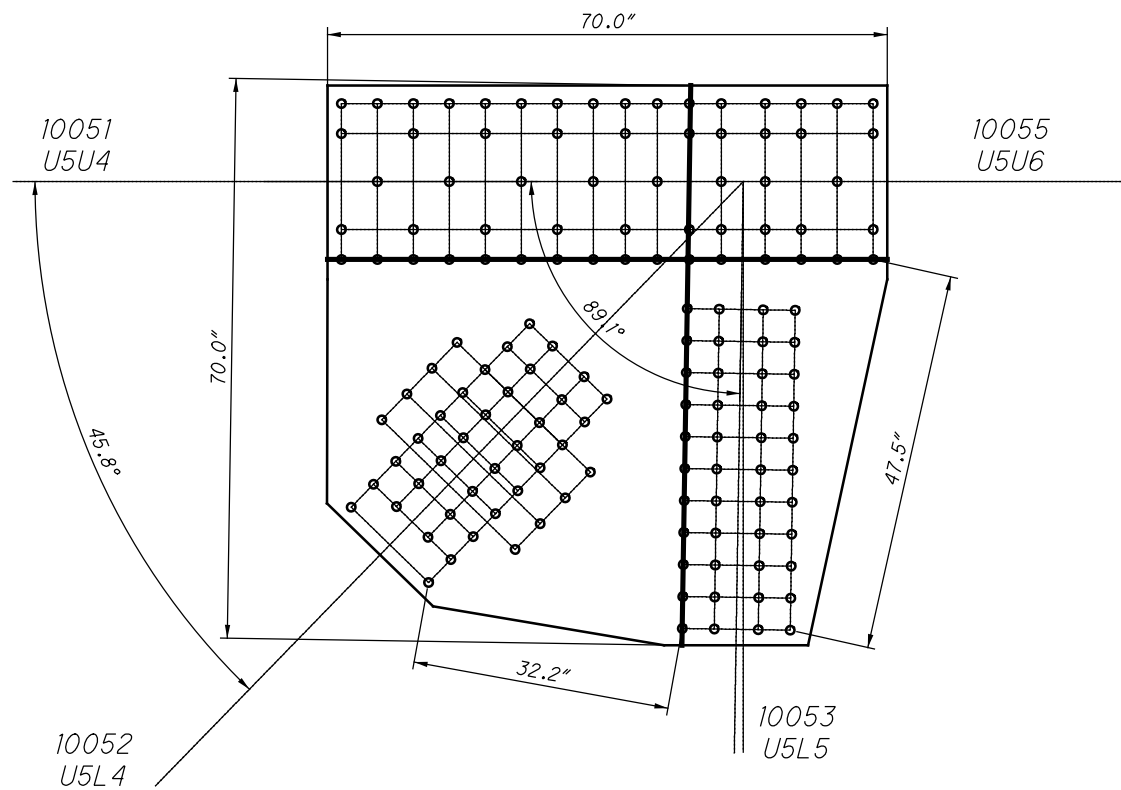
10053
U5L5

**U5 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

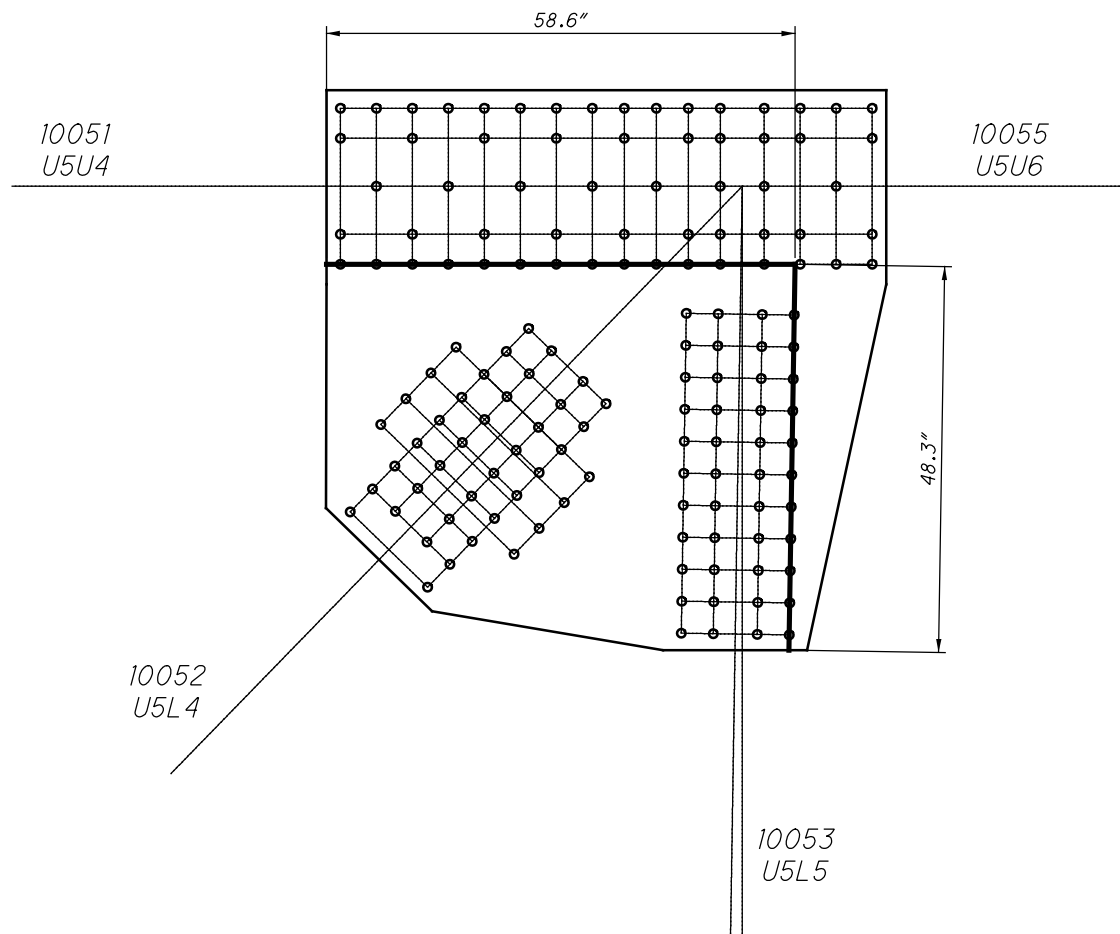




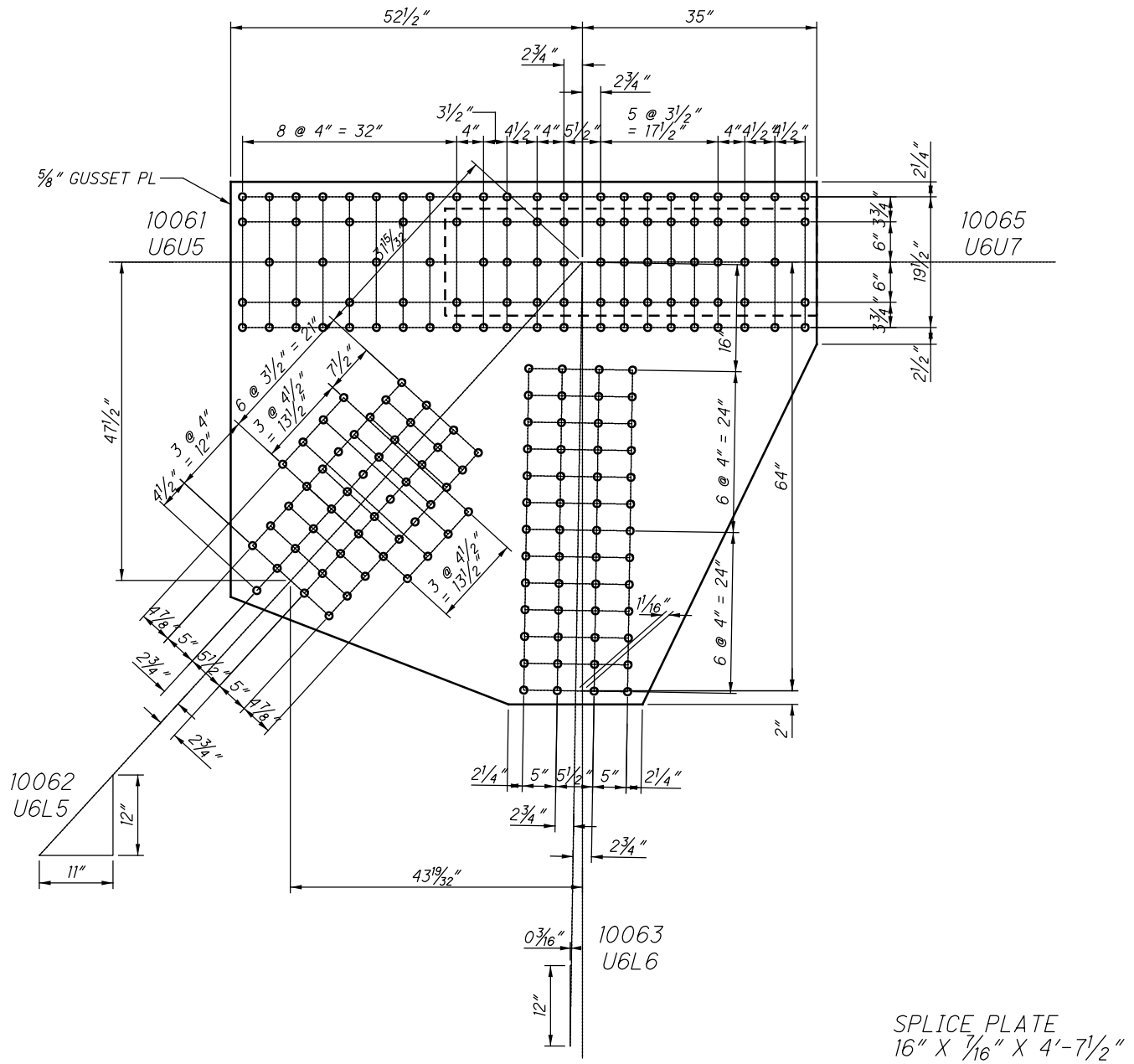
**U5 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



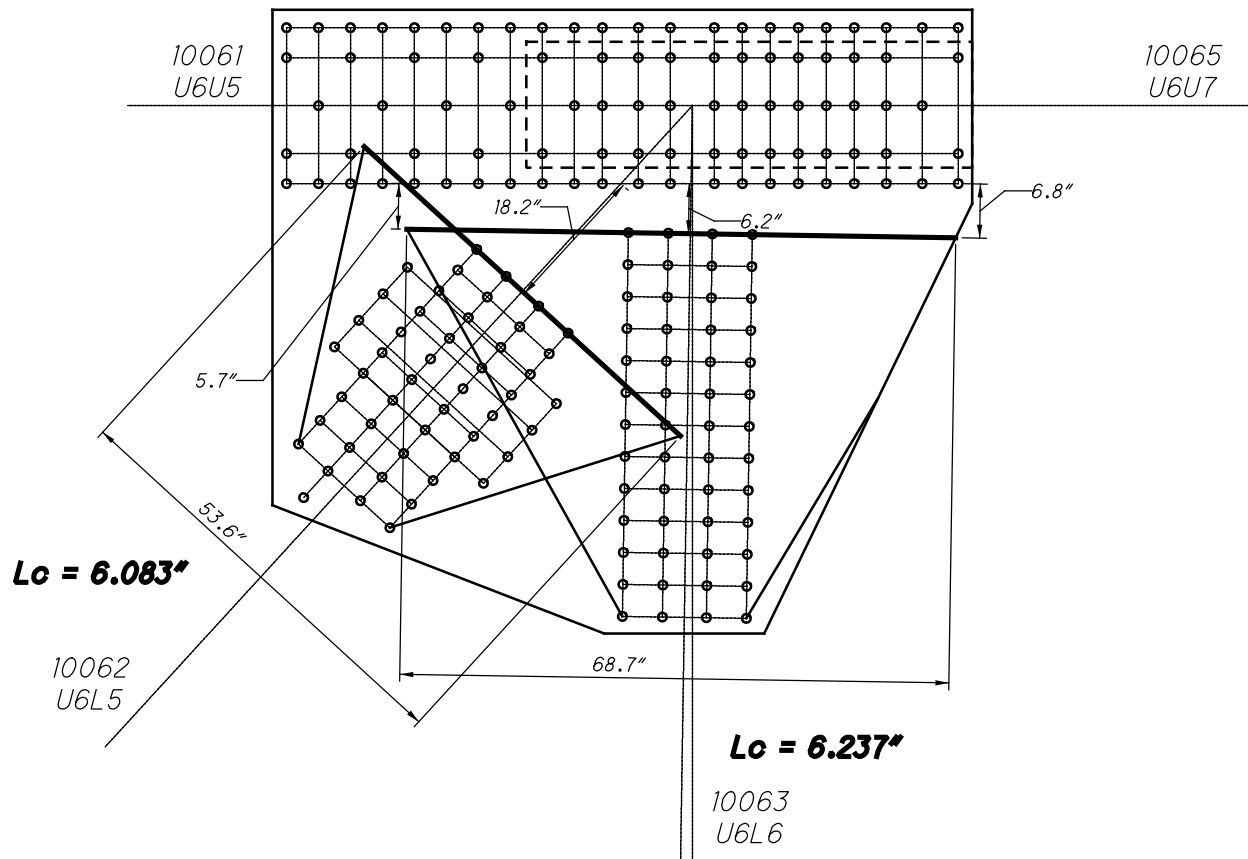
**U5 OUTSIDE
SHEAR AND FREE EDGE CHECK**



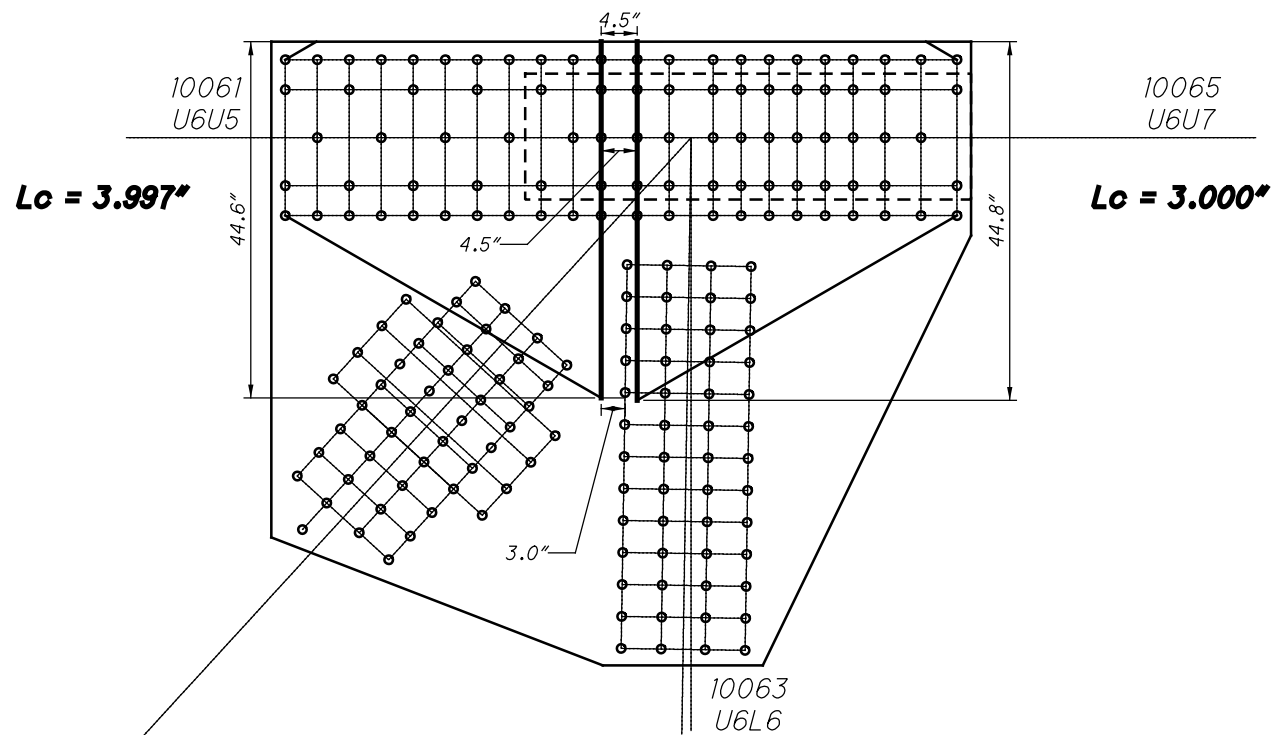
**U5 OUTSIDE
QUADRANT DIMENSIONS**



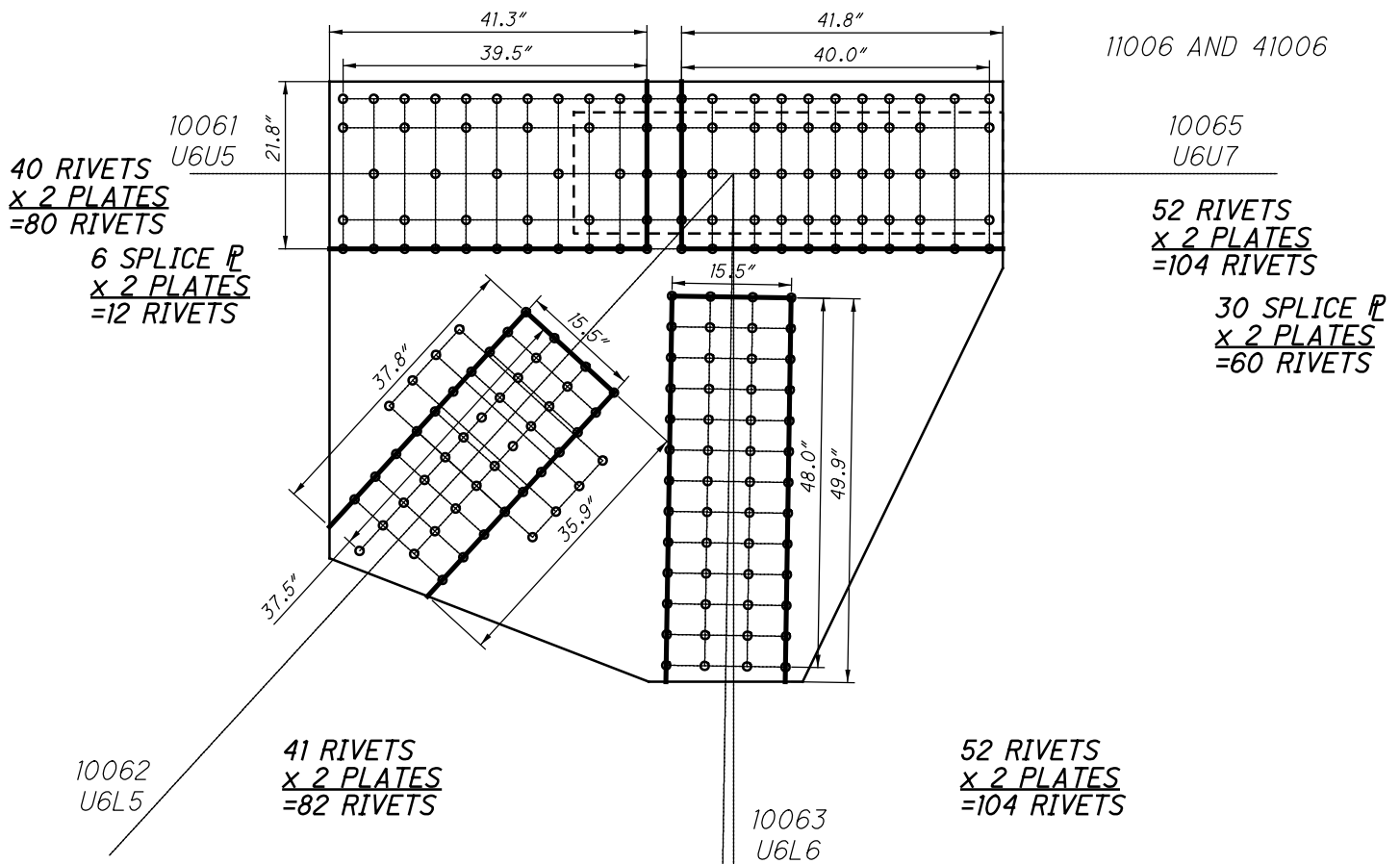
**U6 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



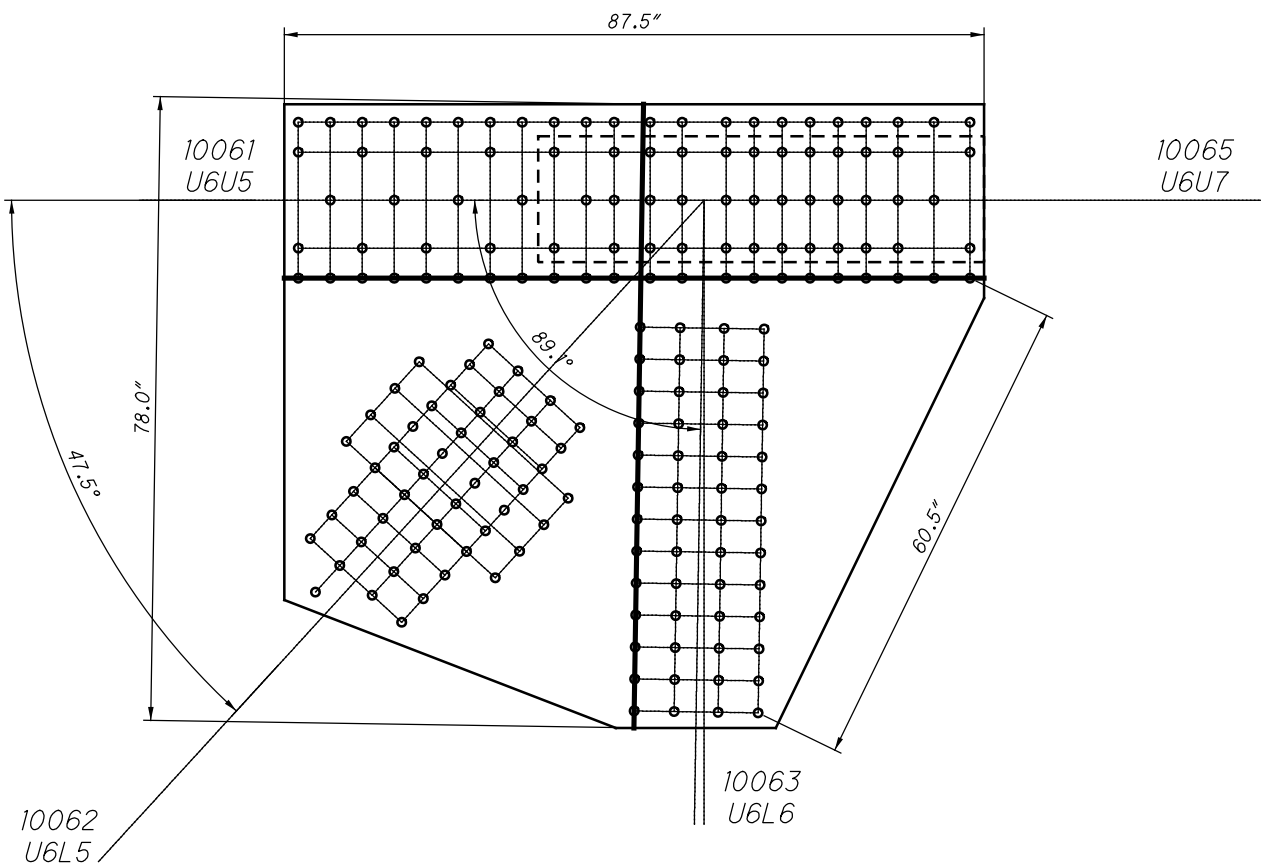
**U6 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



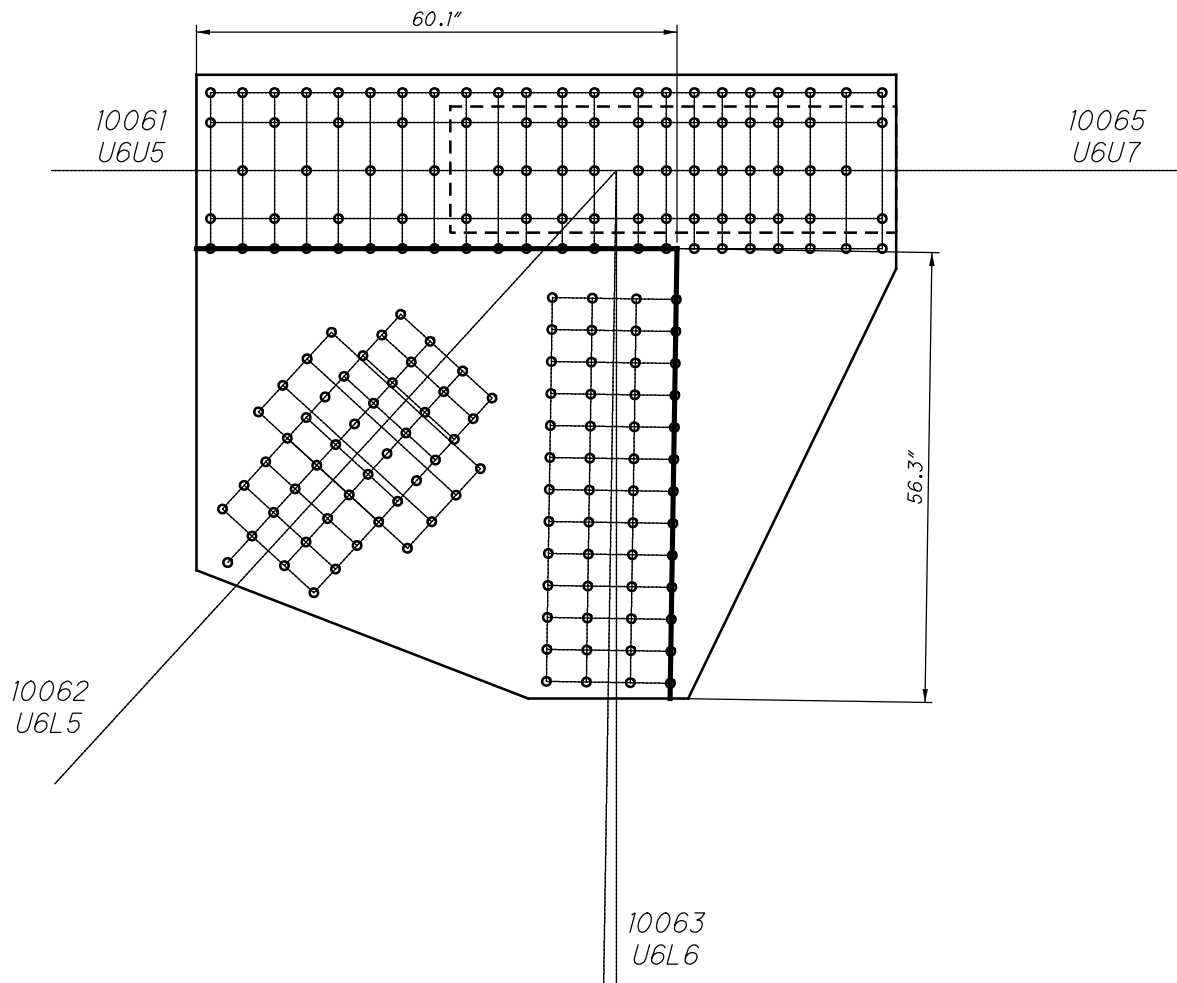
**U6 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



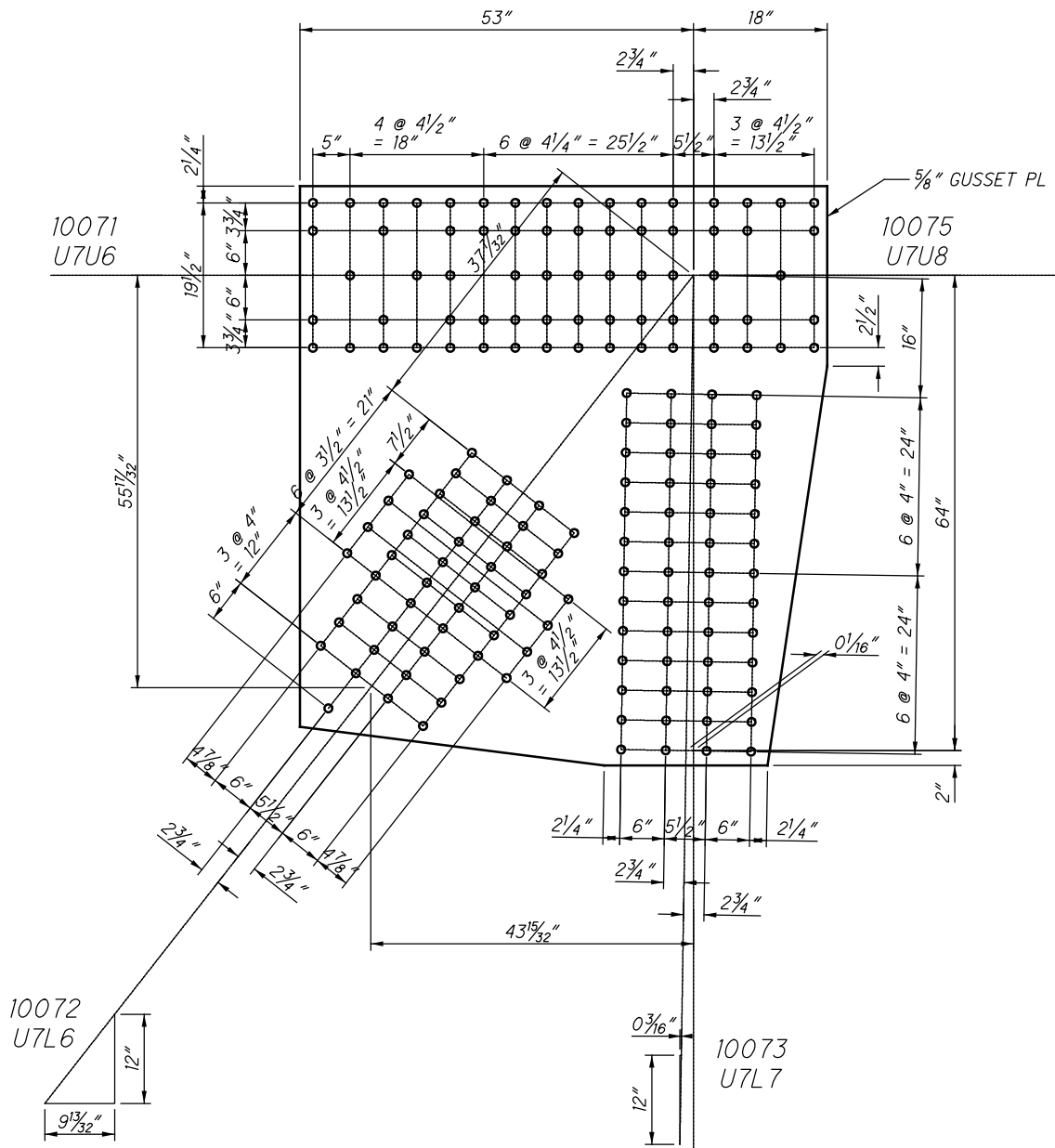
**U6 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



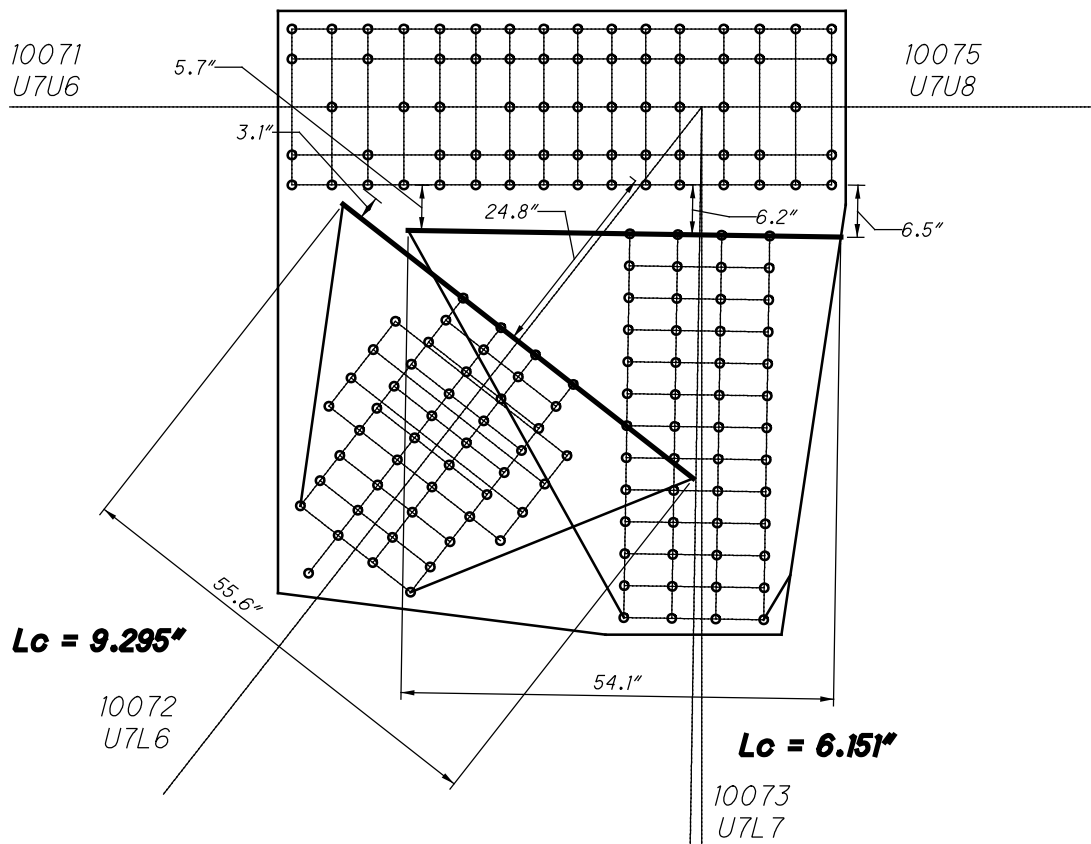
**U6 OUTSIDE
SHEAR AND FREE EDGE CHECK**



**U6 OUTSIDE
QUADRANT DIMENSIONS**

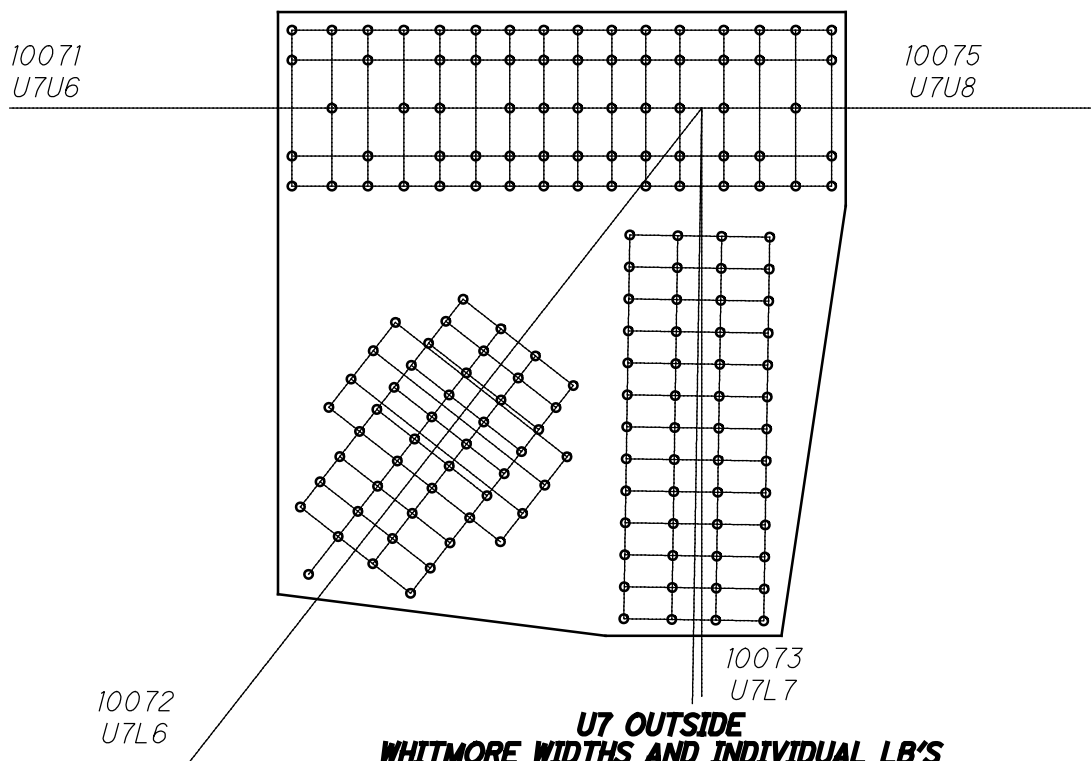


**U7 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

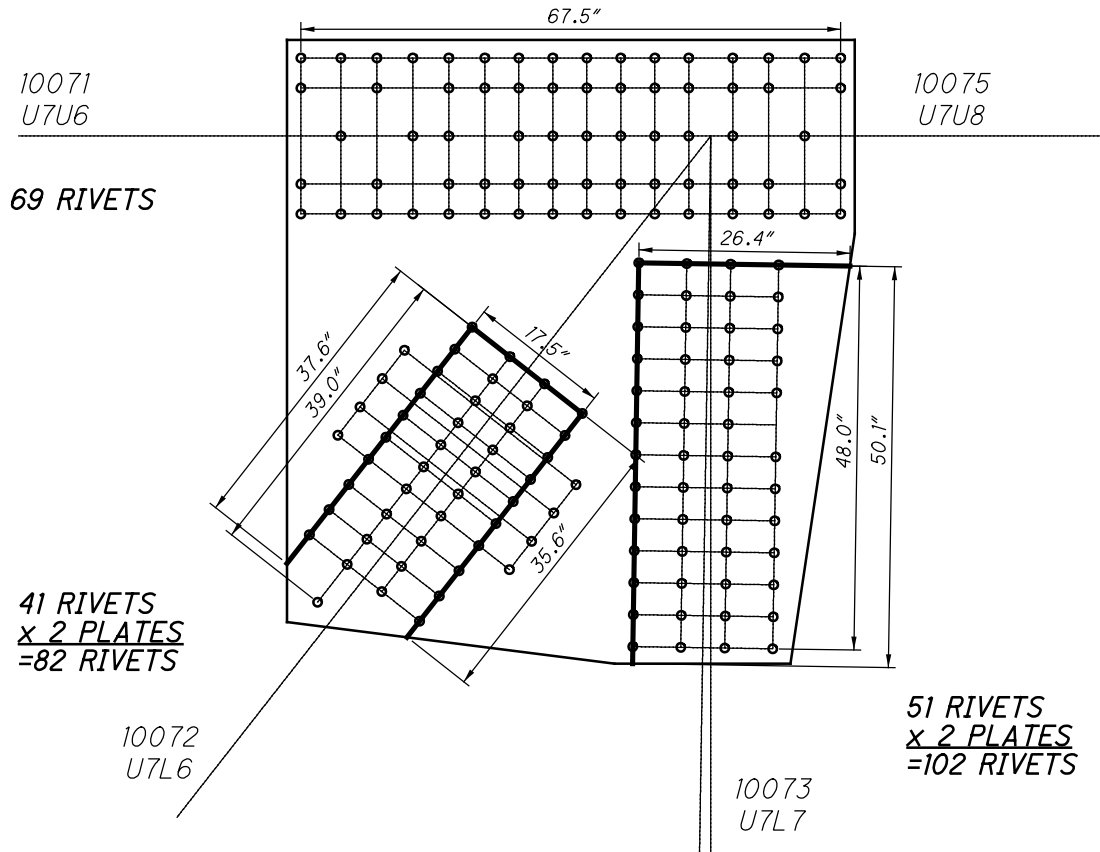


**U7 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

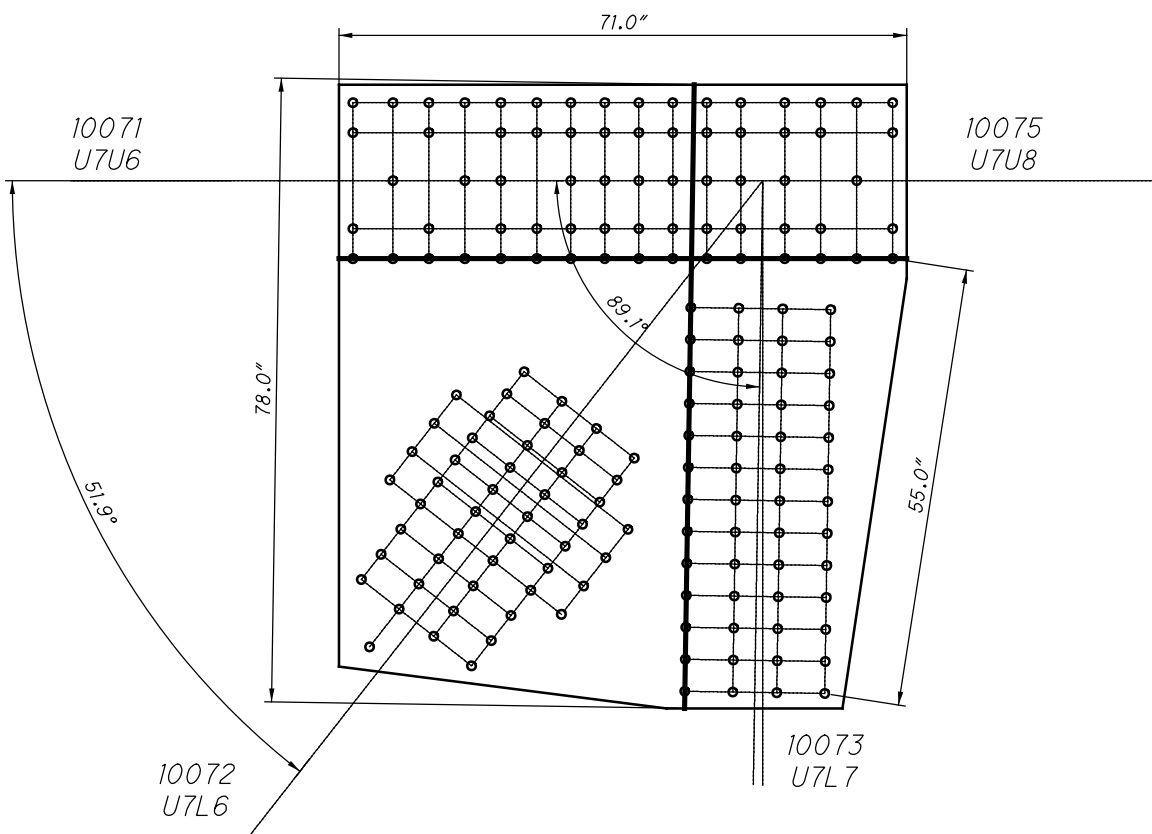
CHORD IS CONTINUOUS



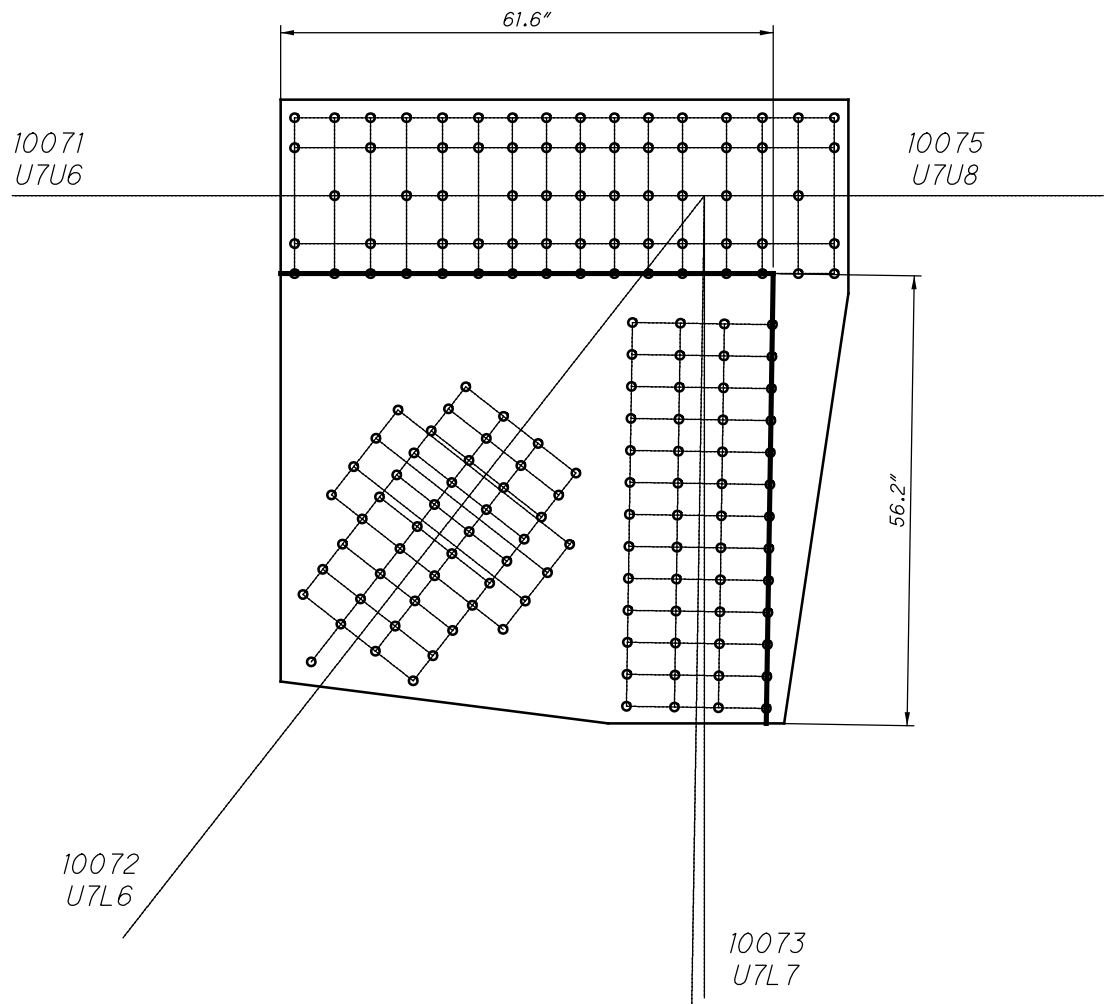
**U7 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U7 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

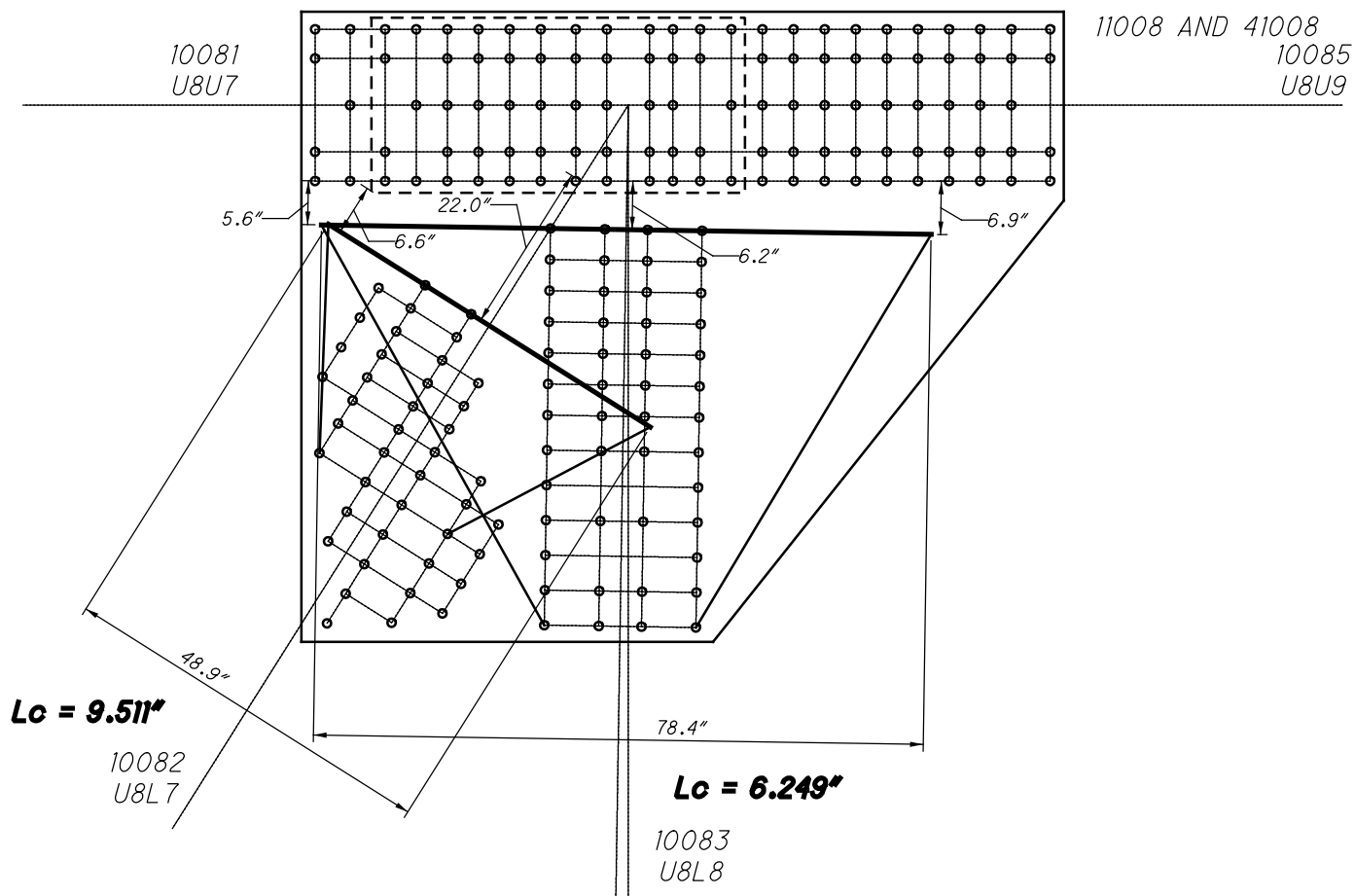


**U7 OUTSIDE
SHEAR AND FREE EDGE CHECK**

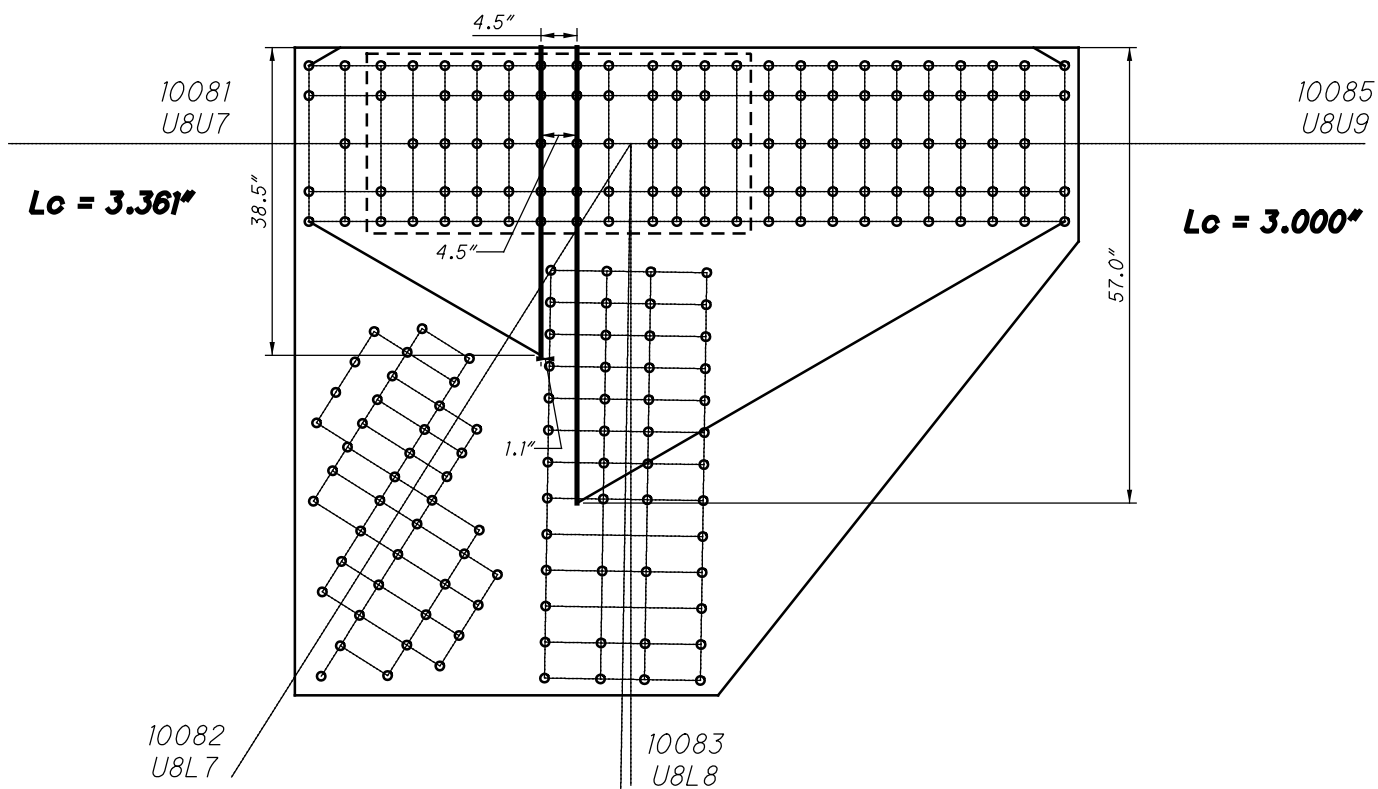


**U7 OUTSIDE
QUADRANT DIMENSIONS**

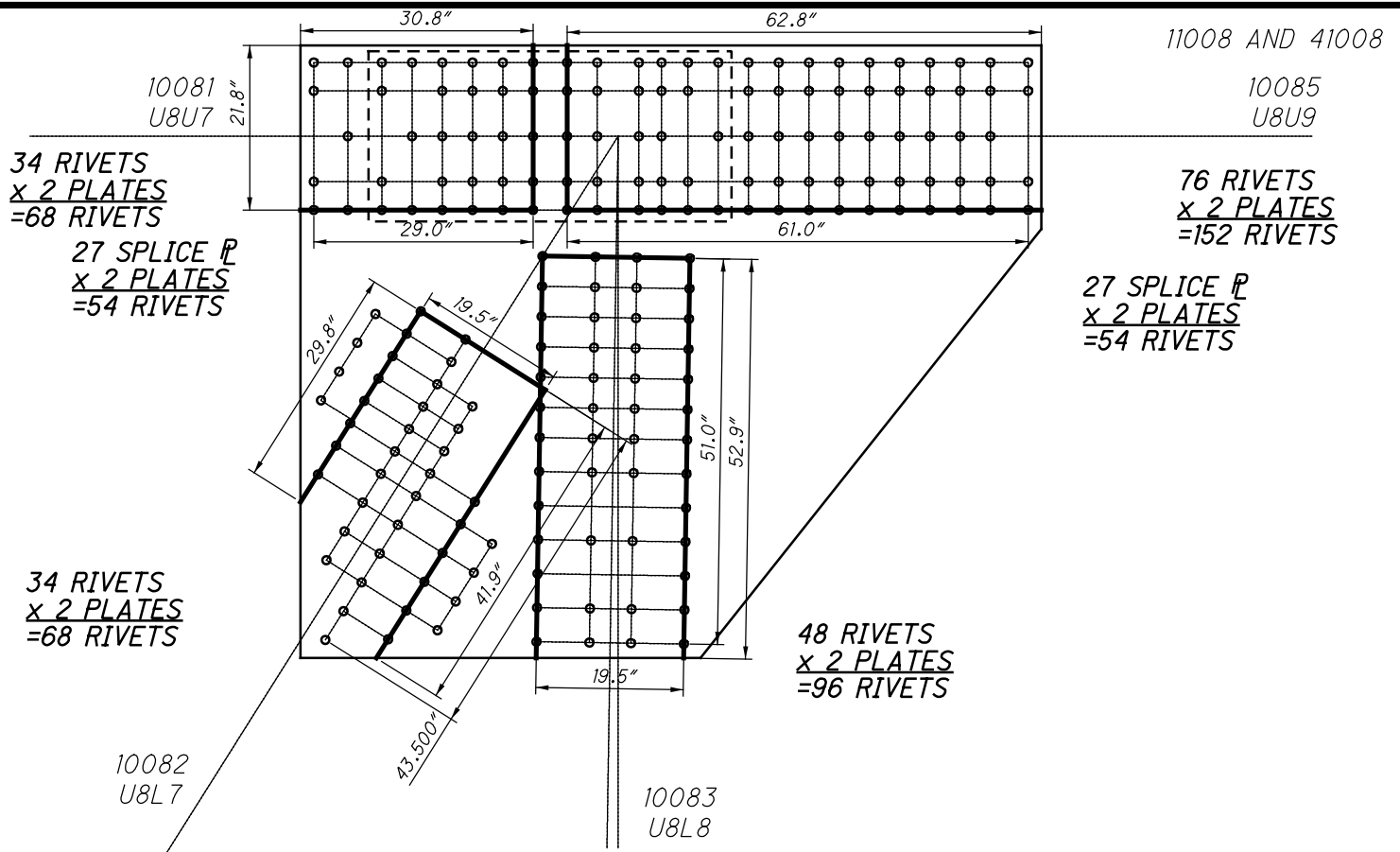




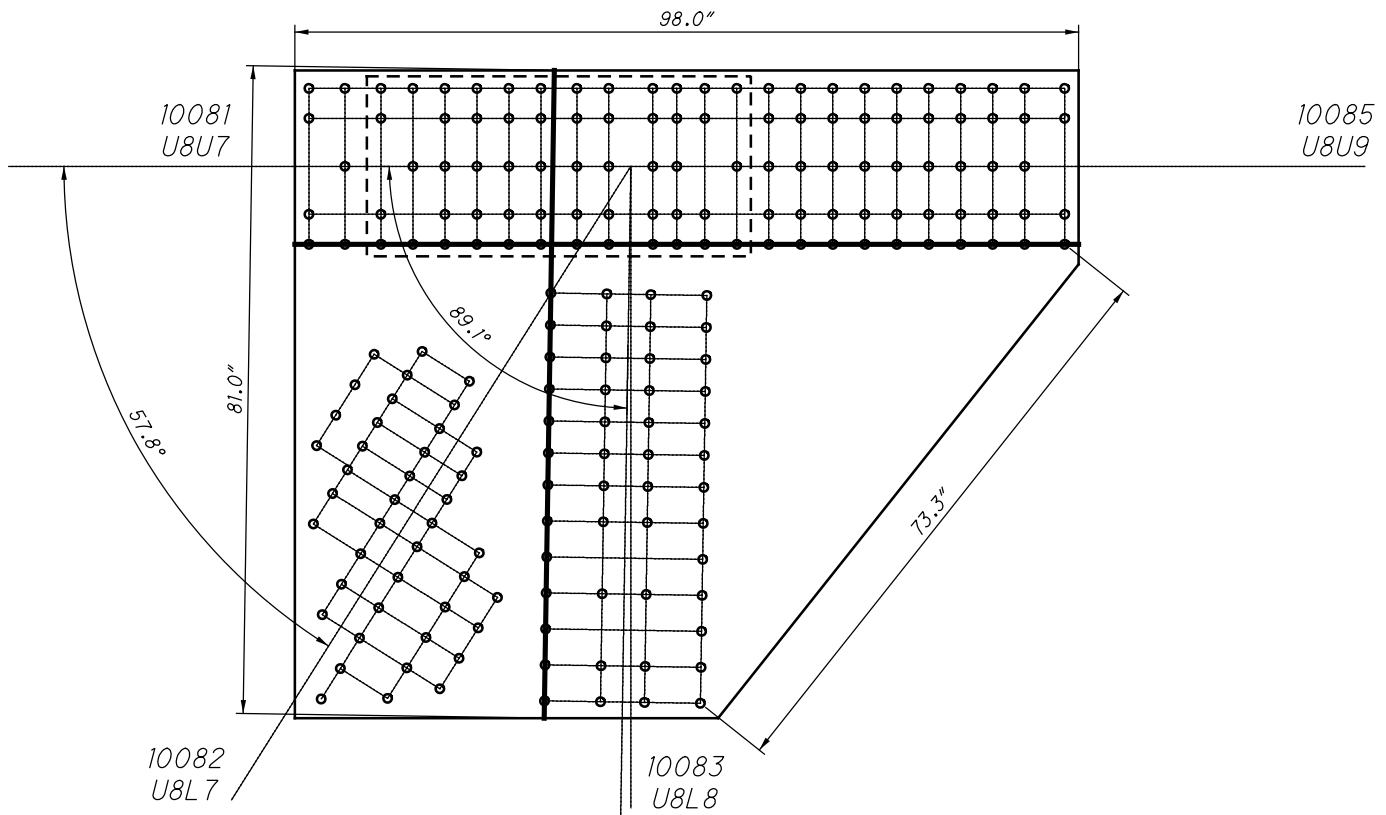
**U8 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



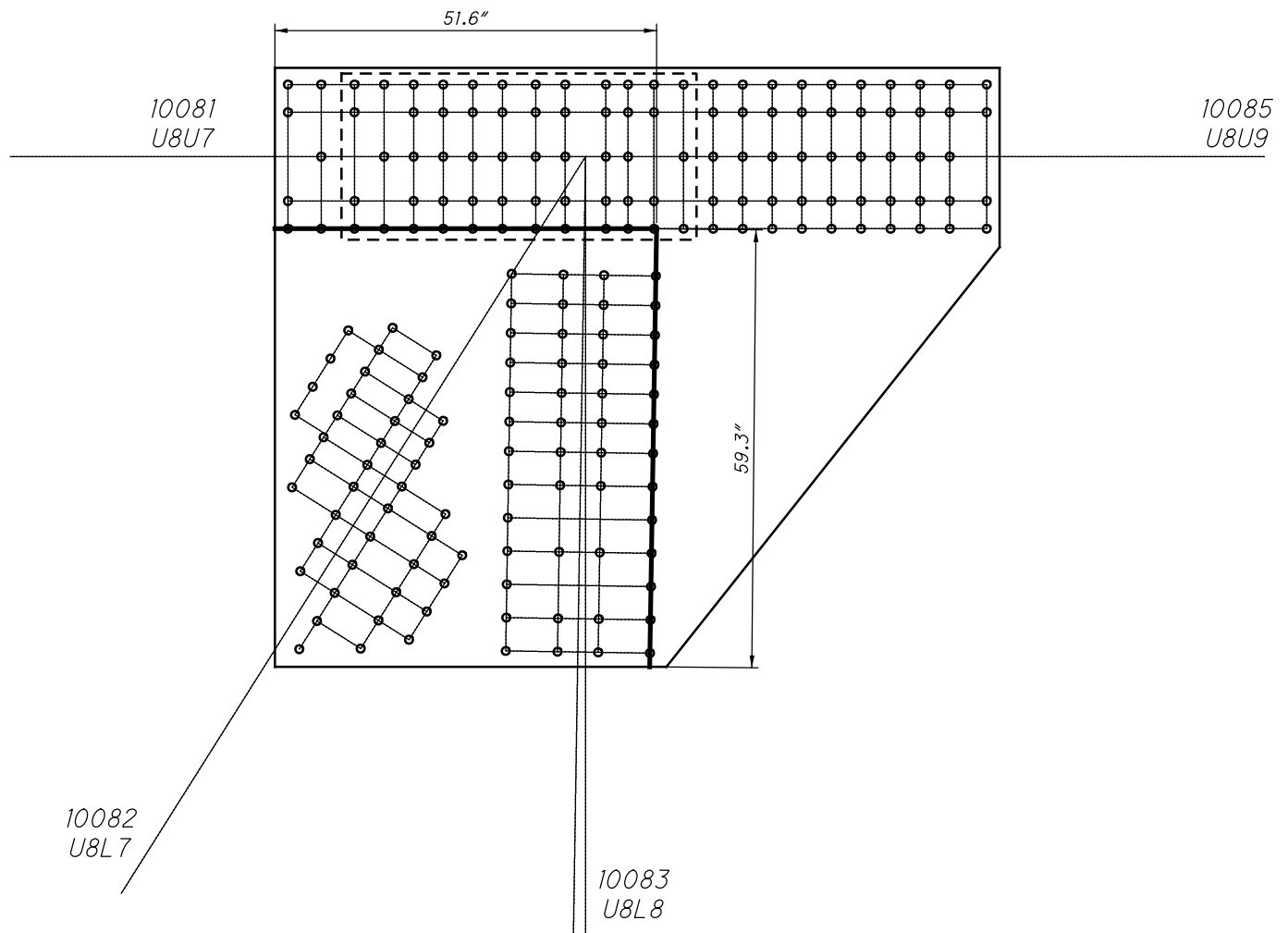
**U8 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



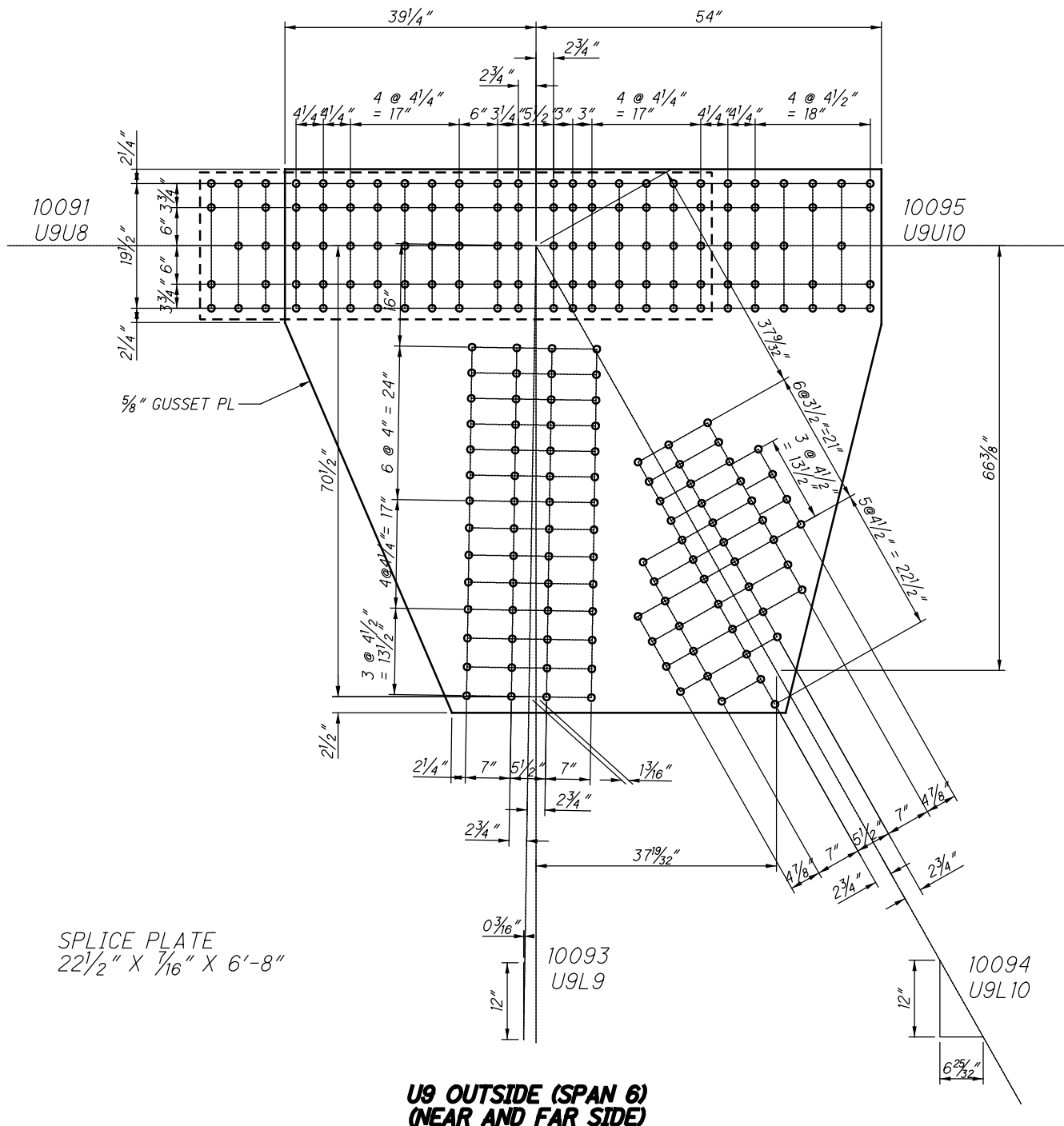
**U8 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

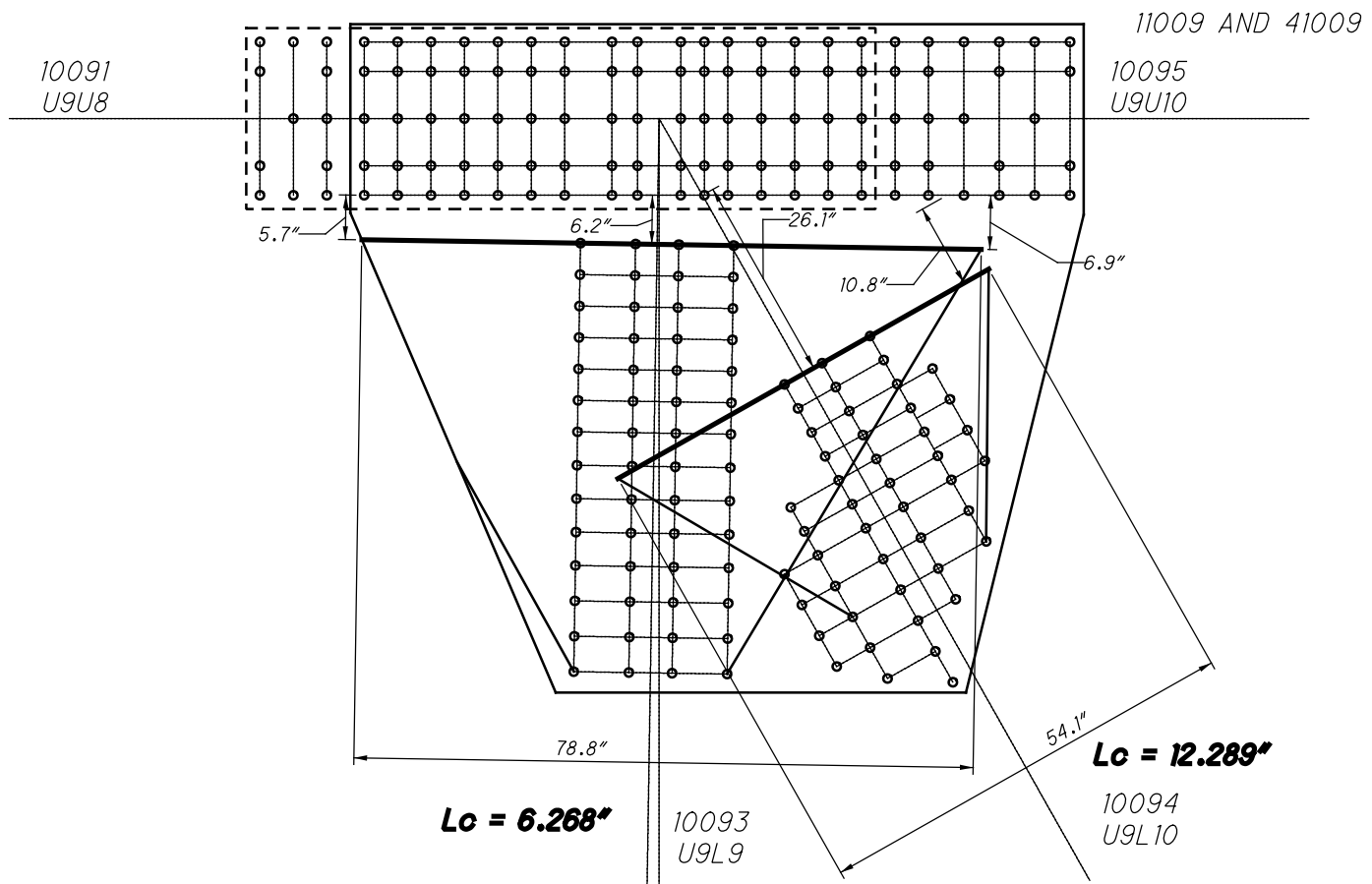


**U8 OUTSIDE
SHEAR AND FREE EDGE CHECK**

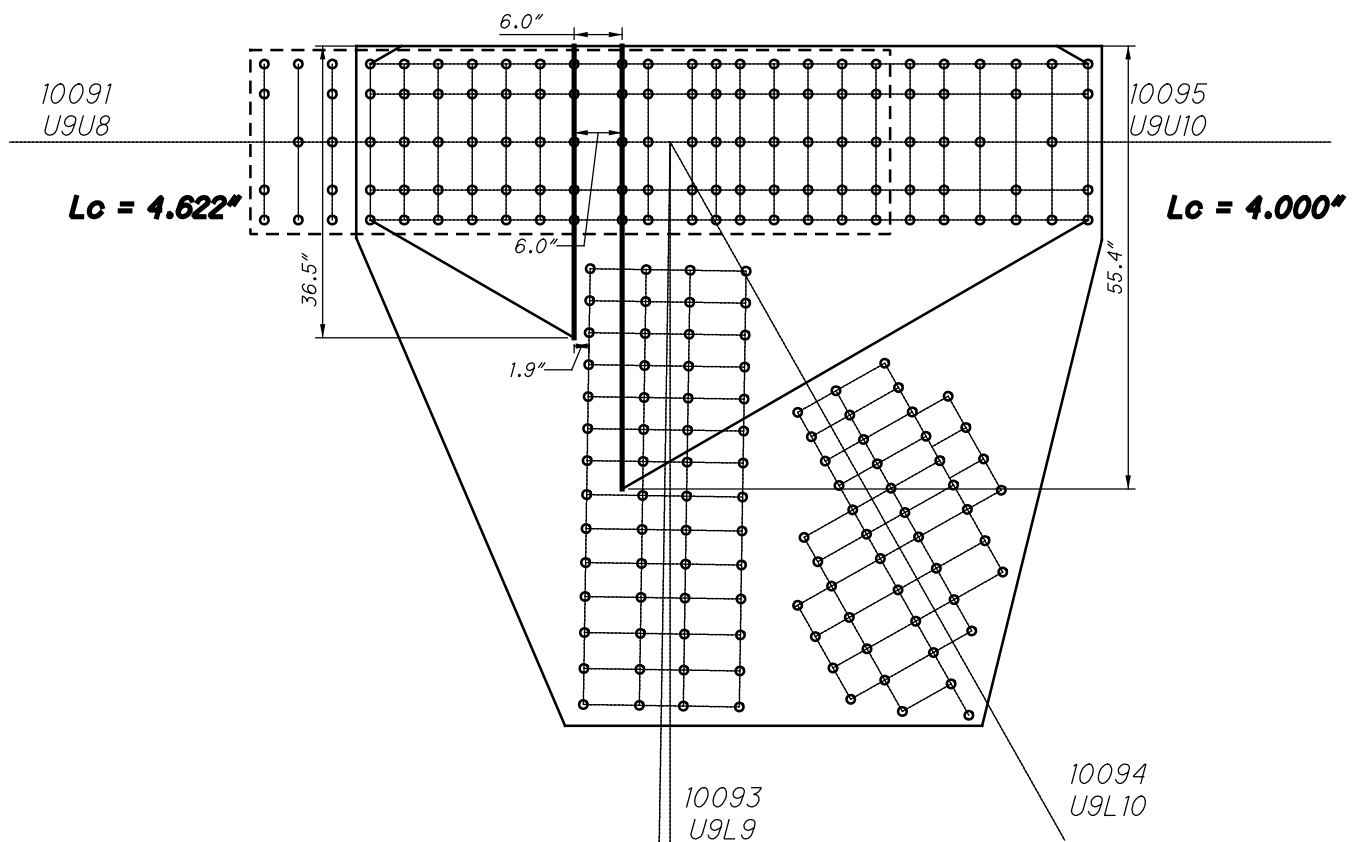


**U8 OUTSIDE
QUADRANT DIMENSIONS**

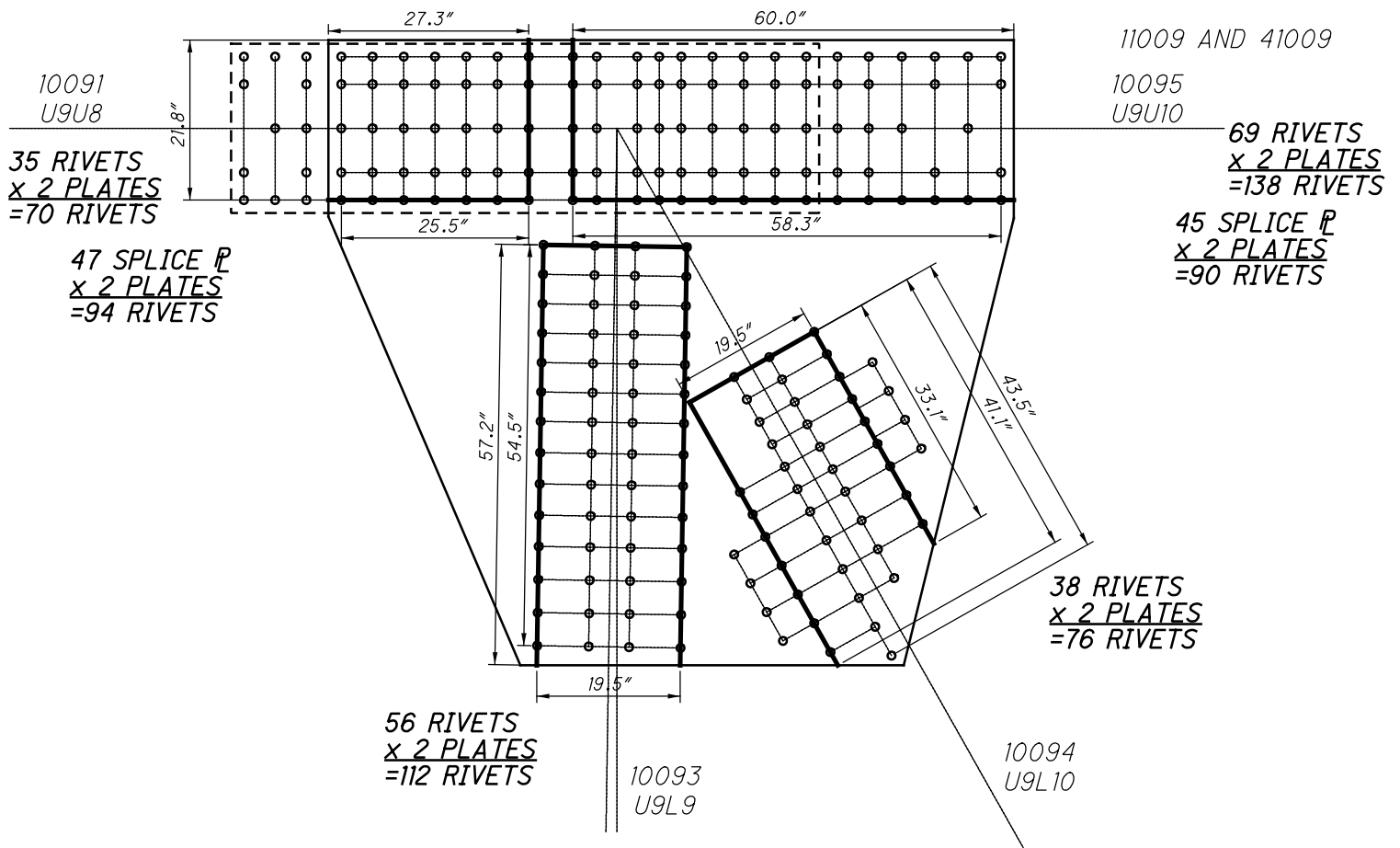




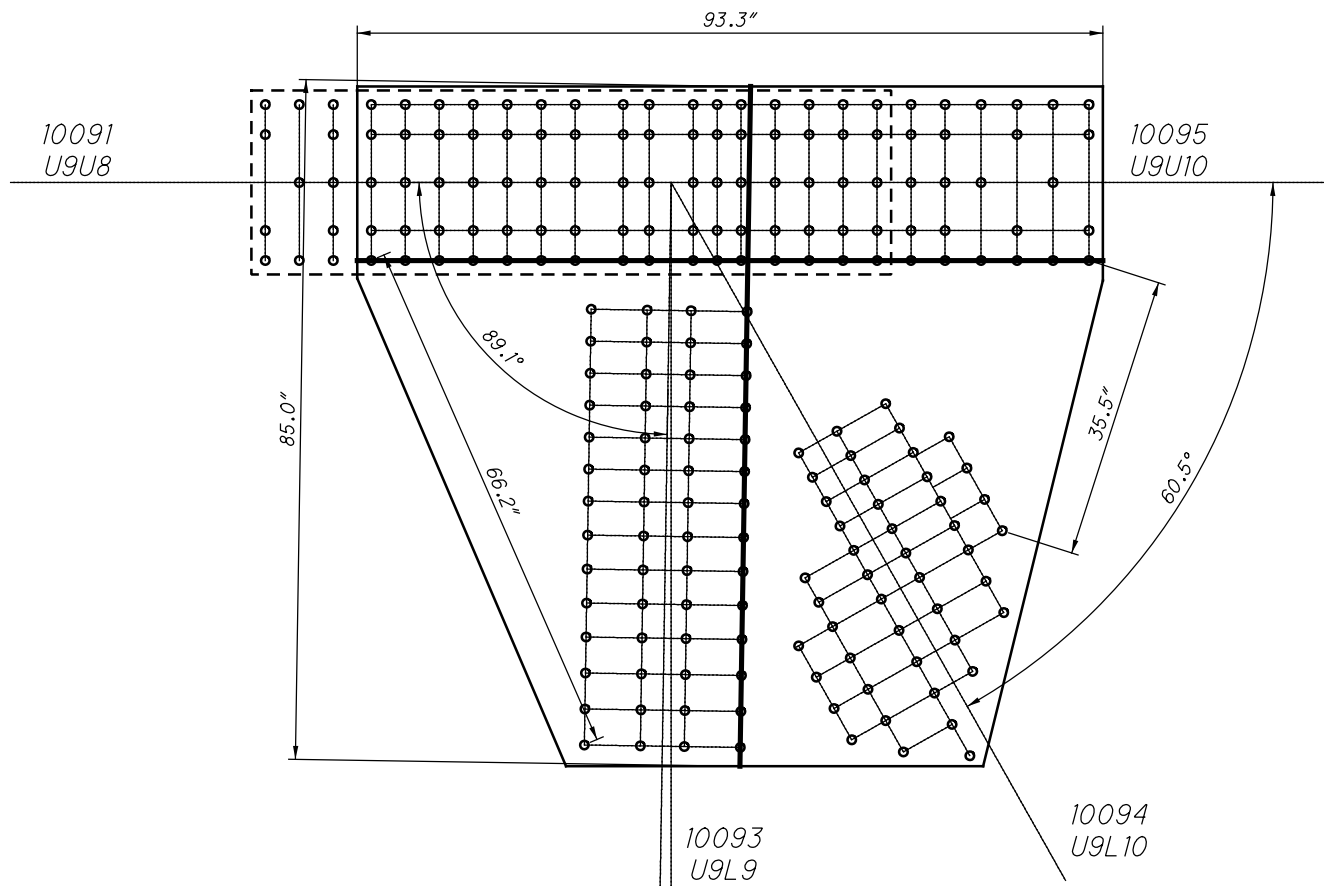
**U9 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U9 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

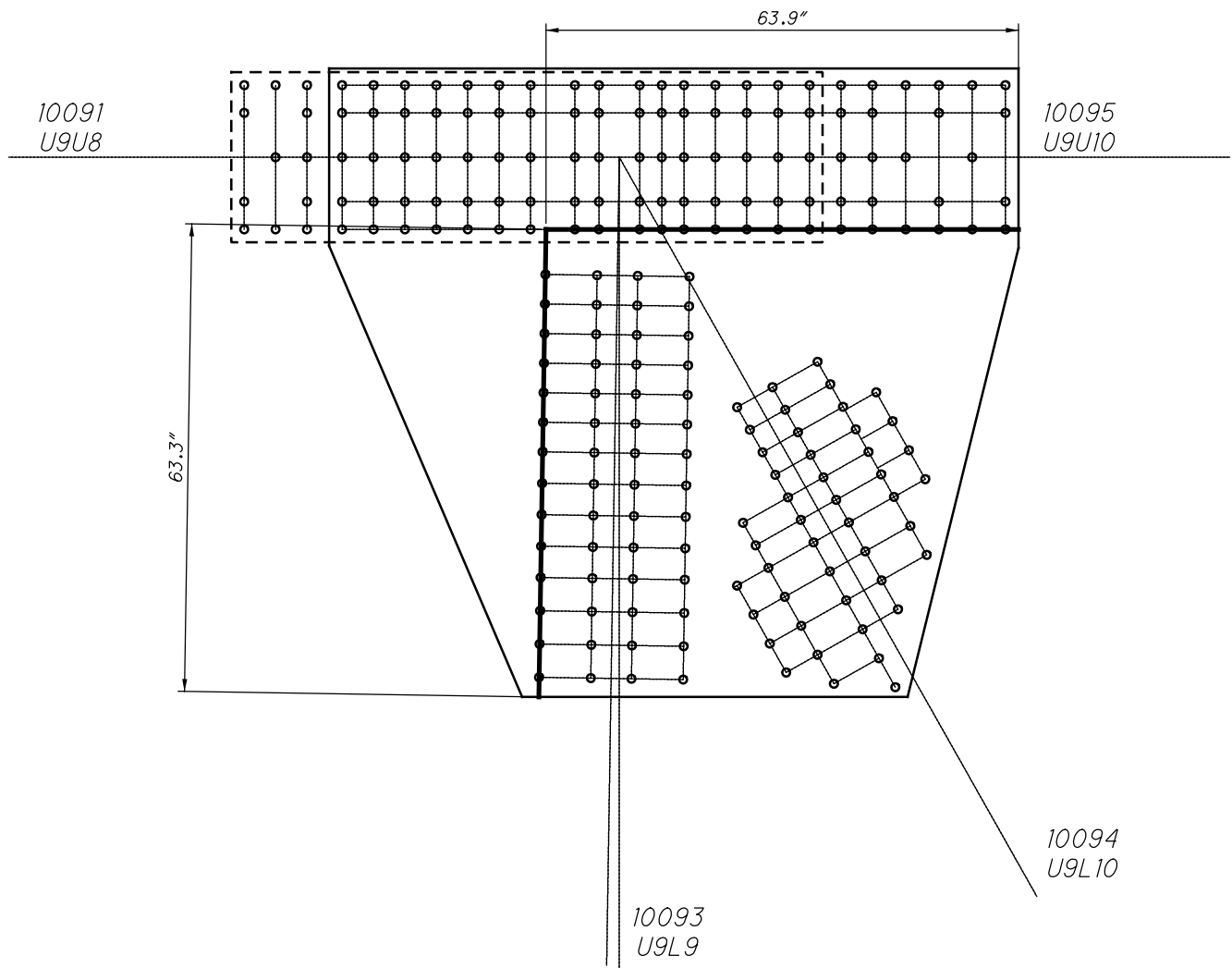


**U9 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

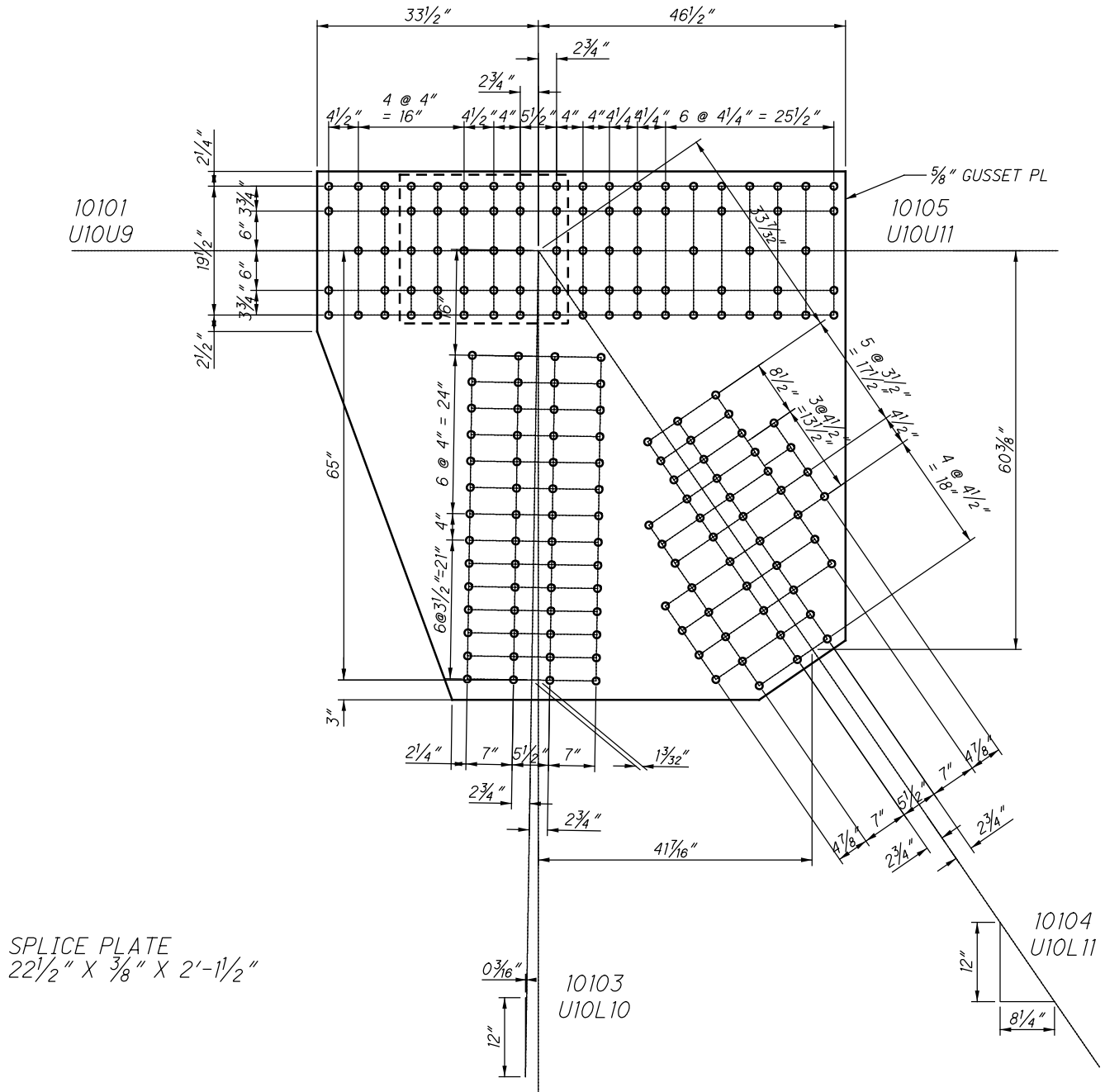


**U9 OUTSIDE
SHEAR AND FREE EDGE CHECK**

11009 AND 41009



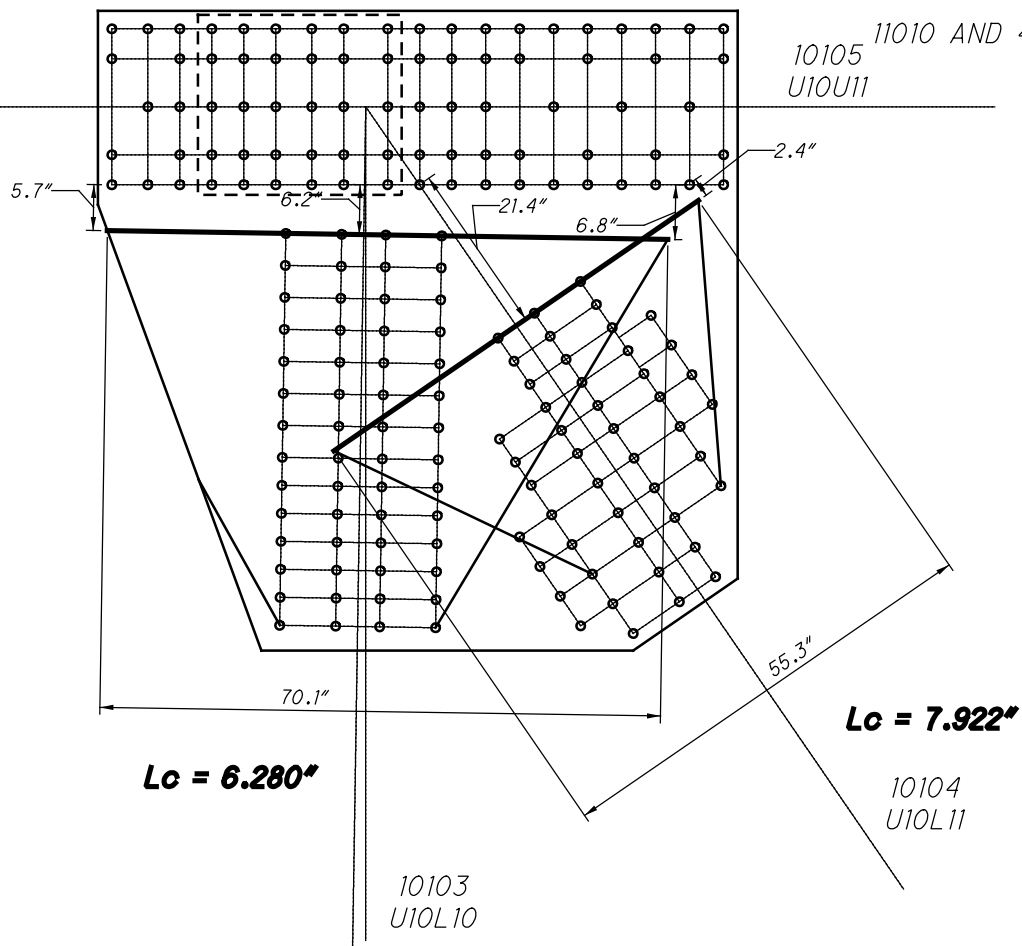
**U9 OUTSIDE
QUADRANT DIMENSIONS**



**U10 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

10101
U10U9

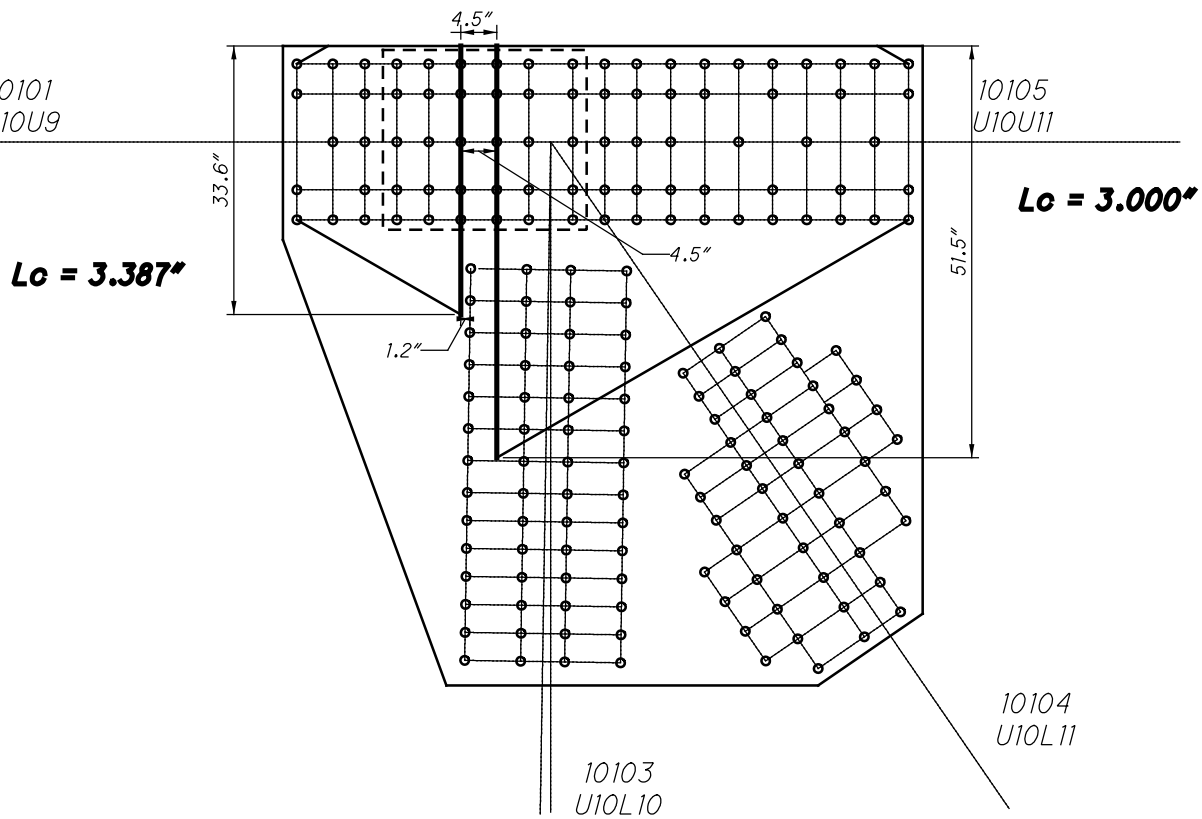
11010 AND 41010
10105
U10U11



**U10 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10101
U10U9

10105
U10U11

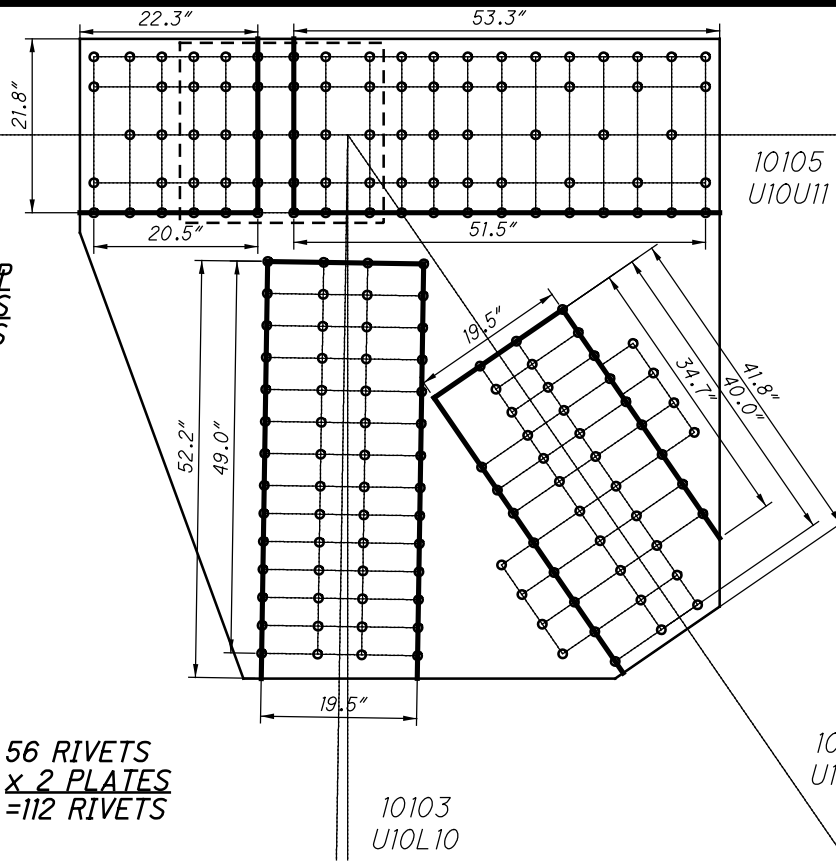


**U10 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10101
U10U9

27 RIVETS
x 2 PLATES
=54 RIVETS

15 SPLICE P
x 2 PLATES
=30 RIVETS



11010 AND 41010

10105
U10U11

55 RIVETS
x 2 PLATES
=110 RIVETS

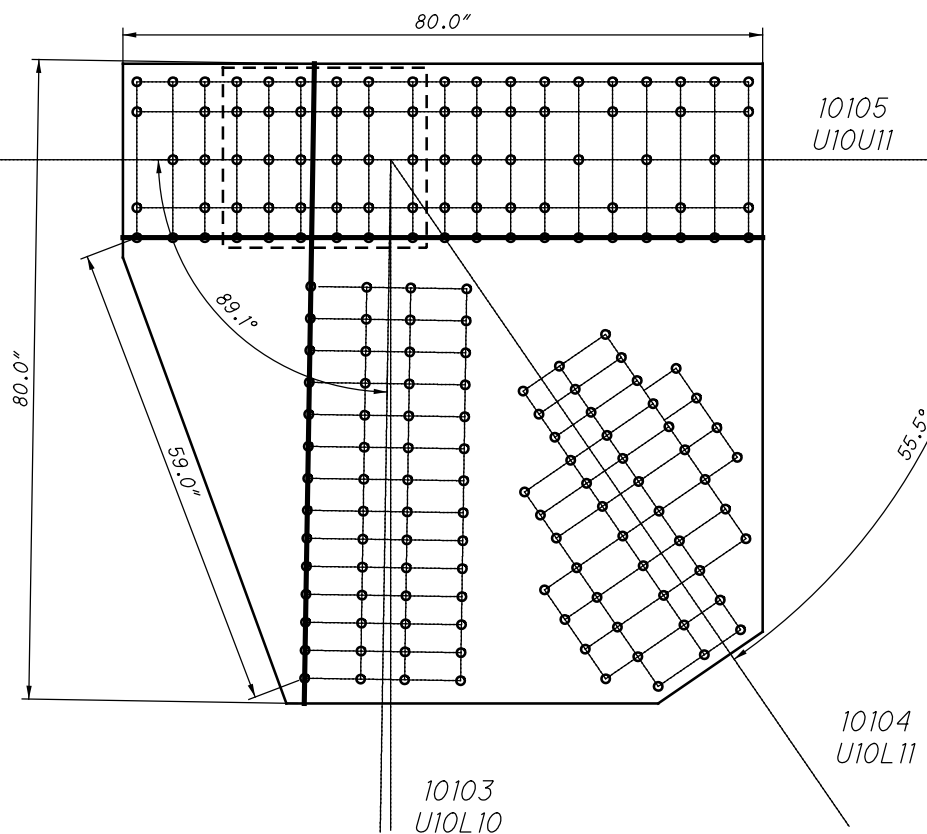
15 SPLICE P
x 2 PLATES
=30 RIVETS

39 RIVETS
x 2 PLATES
=78 RIVETS

56 RIVETS
x 2 PLATES
=112 RIVETS

**U10 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10101
U10U9



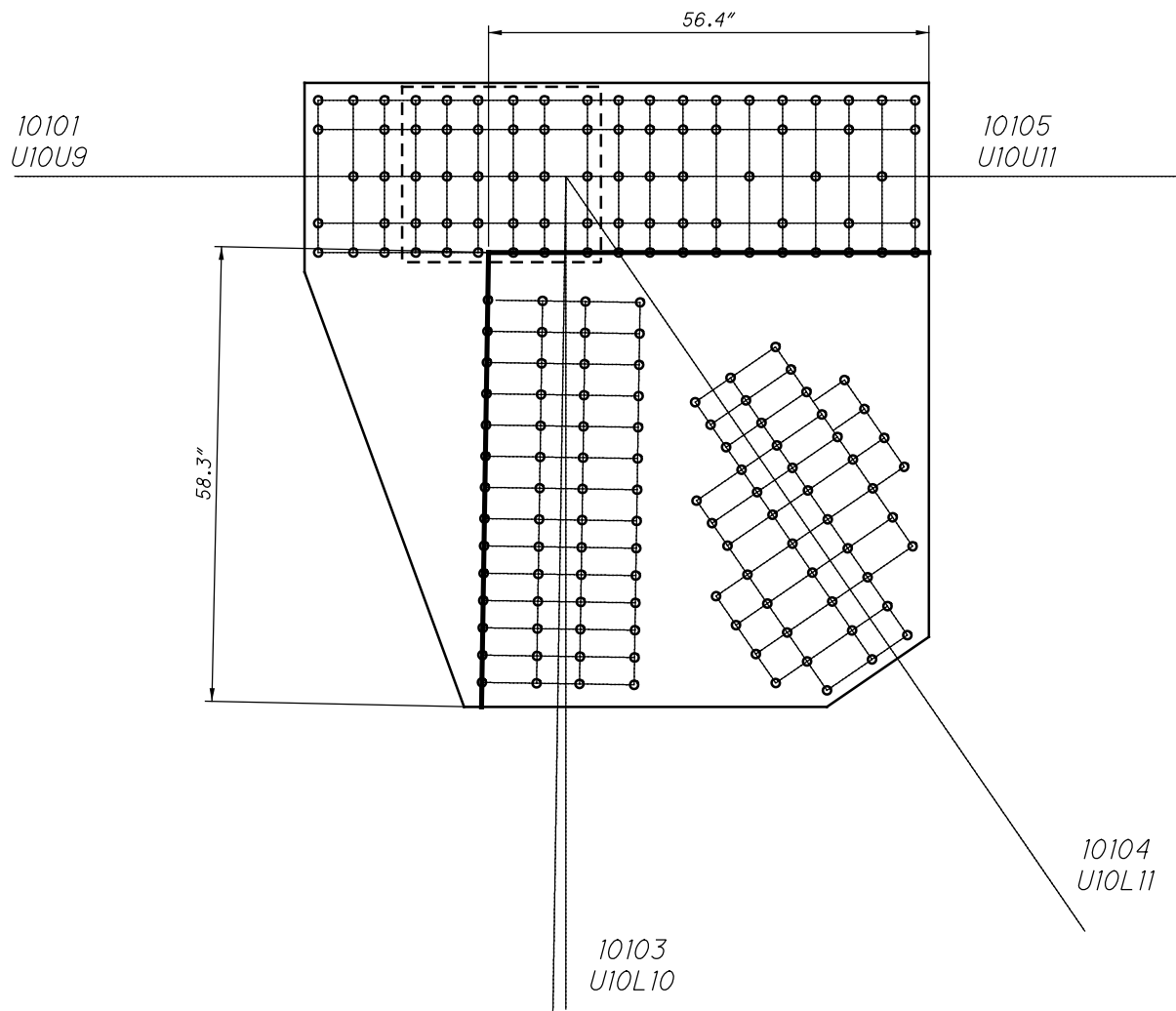
10105
U10U11

10104
U10L11

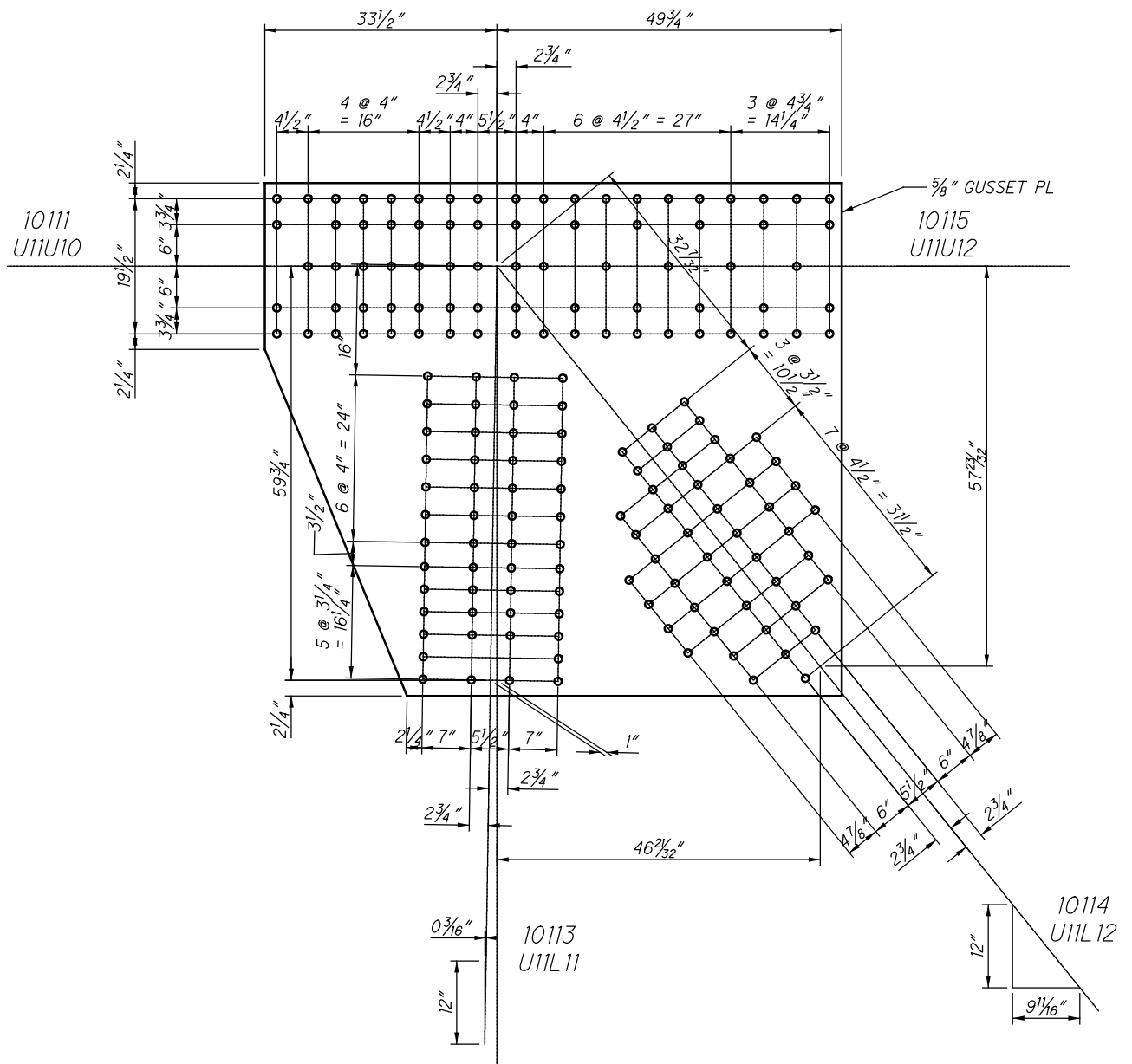
10103
U10L10

**U10 OUTSIDE
SHEAR AND FREE EDGE CHECK**

11010 AND 41010



**U10 OUTSIDE
QUADRANT DIMENSIONS**

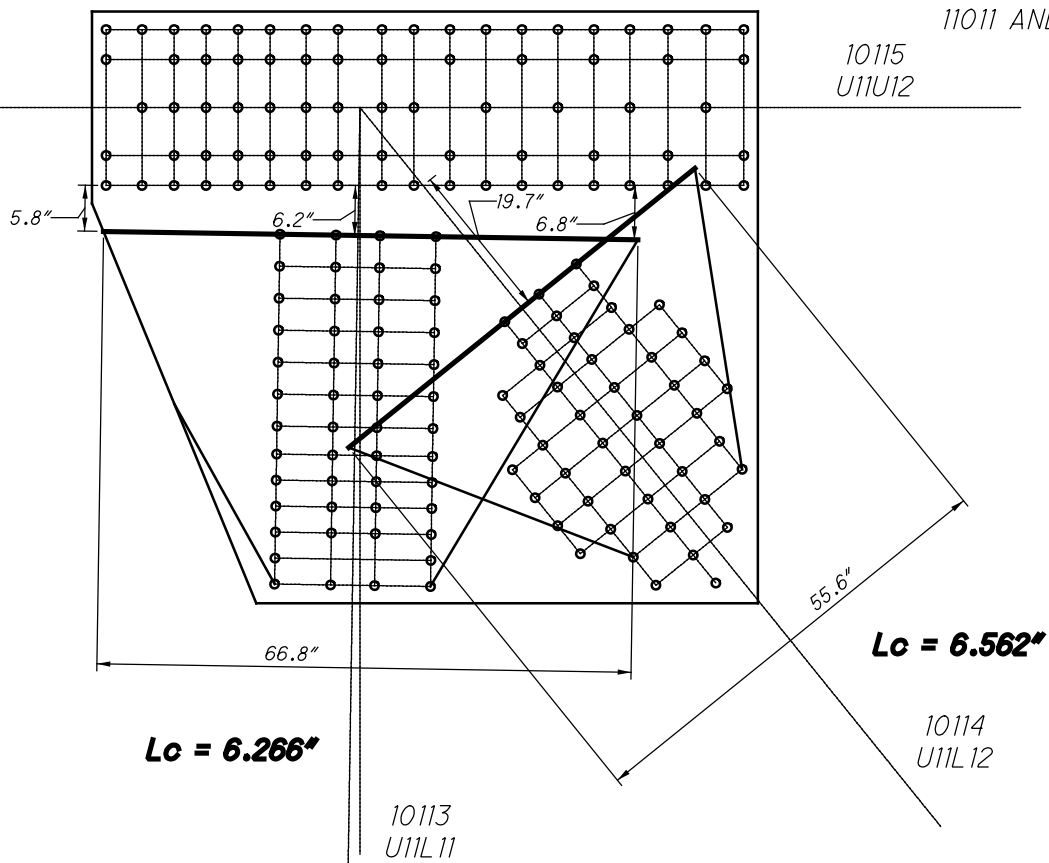


**U11 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

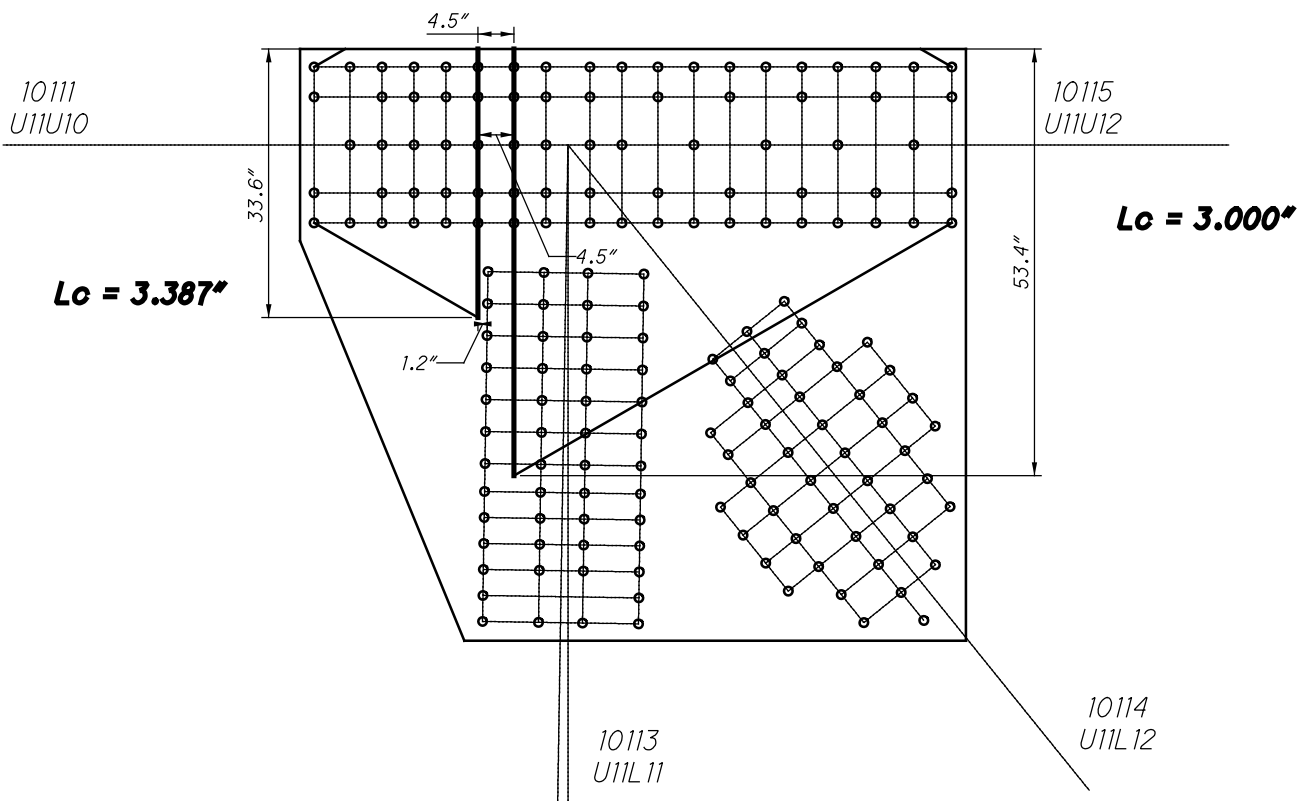
10111
U11U10

10115
U11U12

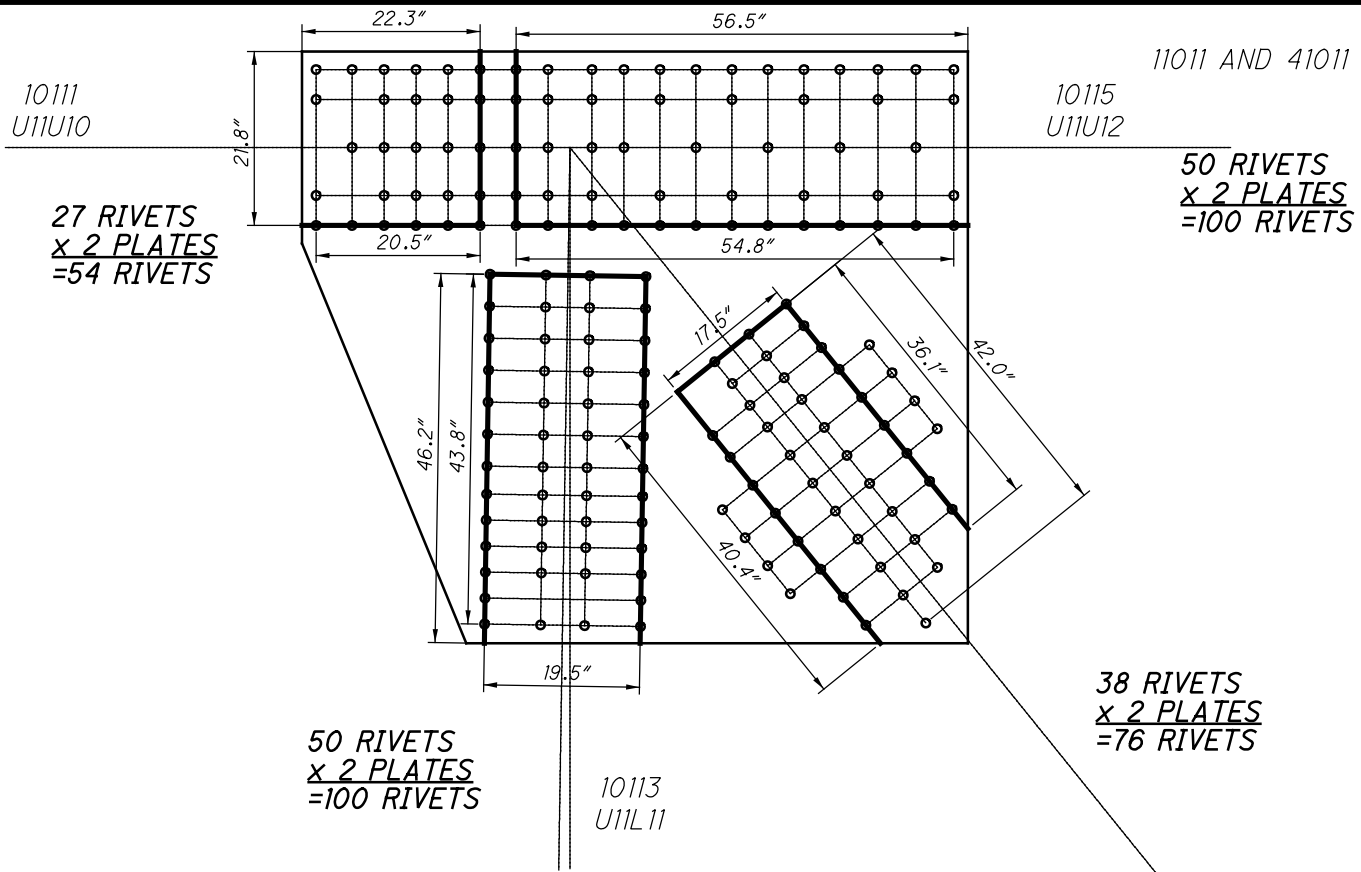
11011 AND 41011



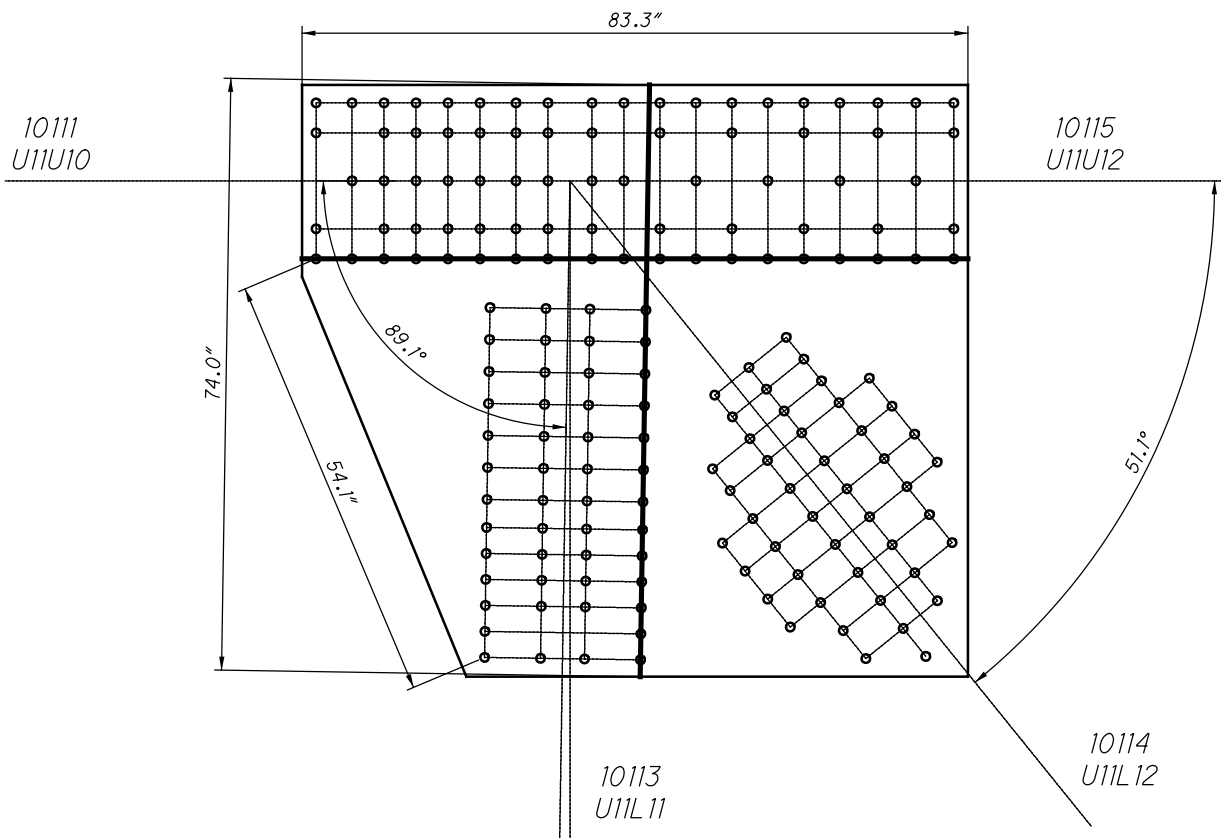
**U11 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U11 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

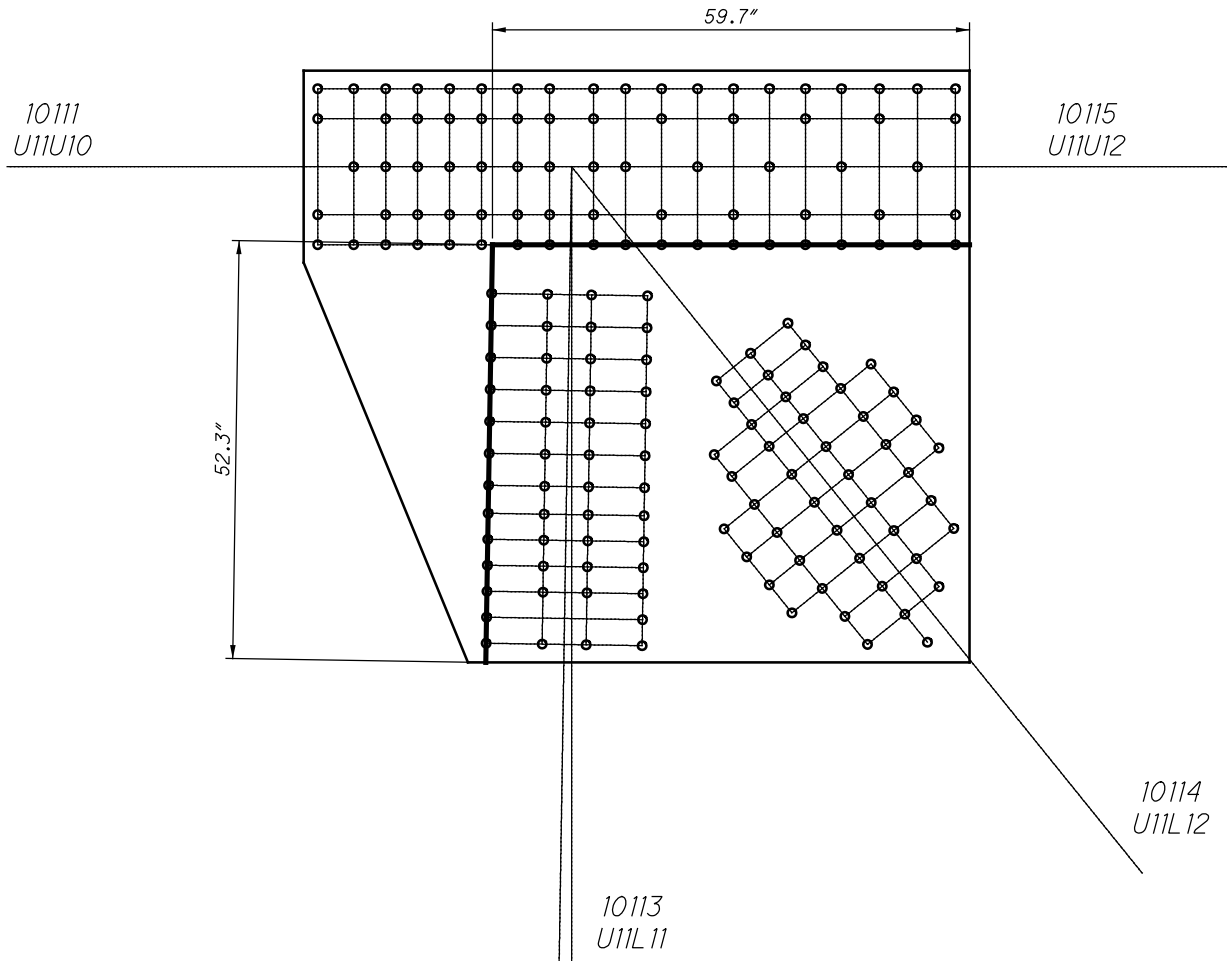


**U11 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

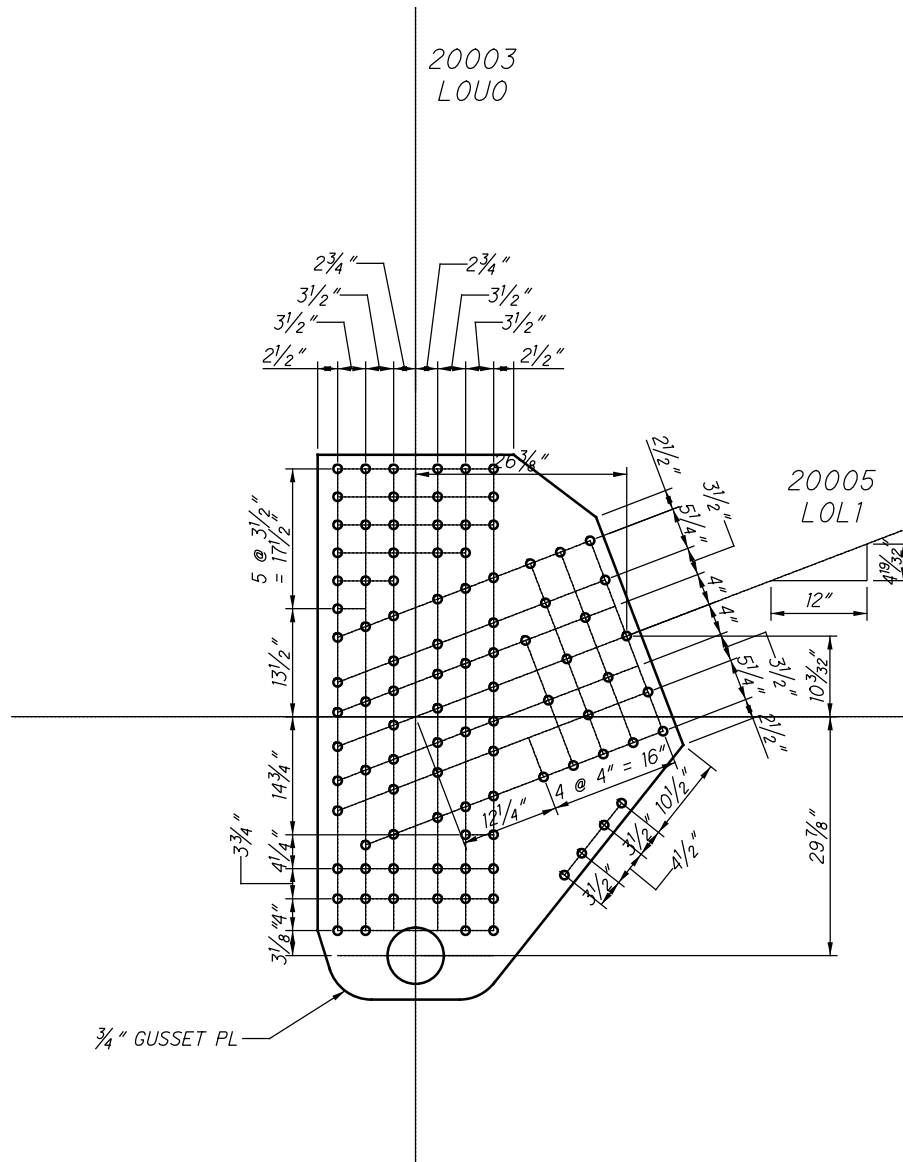


**U11 OUTSIDE
SHEAR AND FREE EDGE CHECK**

11011 AND 41011



**U11 OUTSIDE
QUADRANT DIMENSIONS**

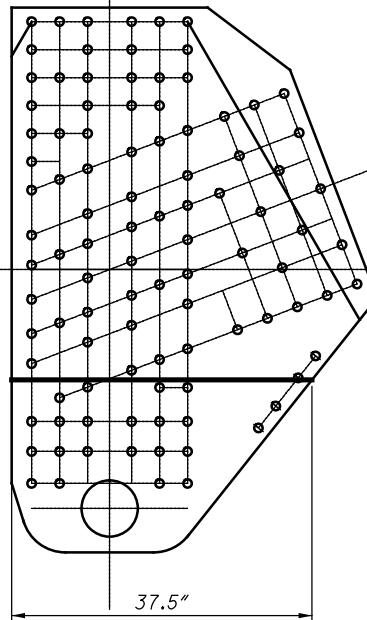


**LO OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

$L_c = 0.000''$

20003
LOU0

20005
LOL1

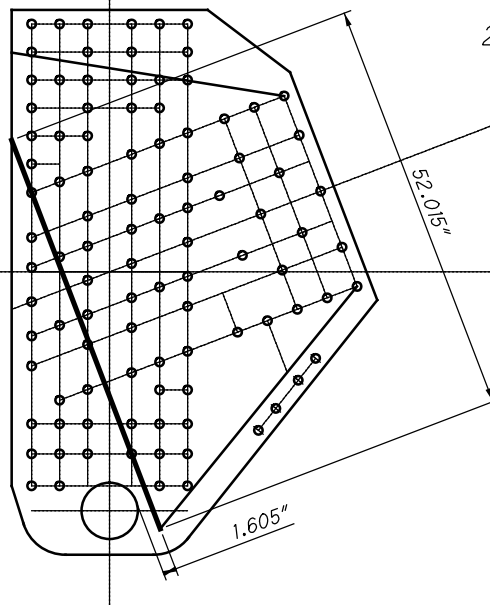


**LO OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

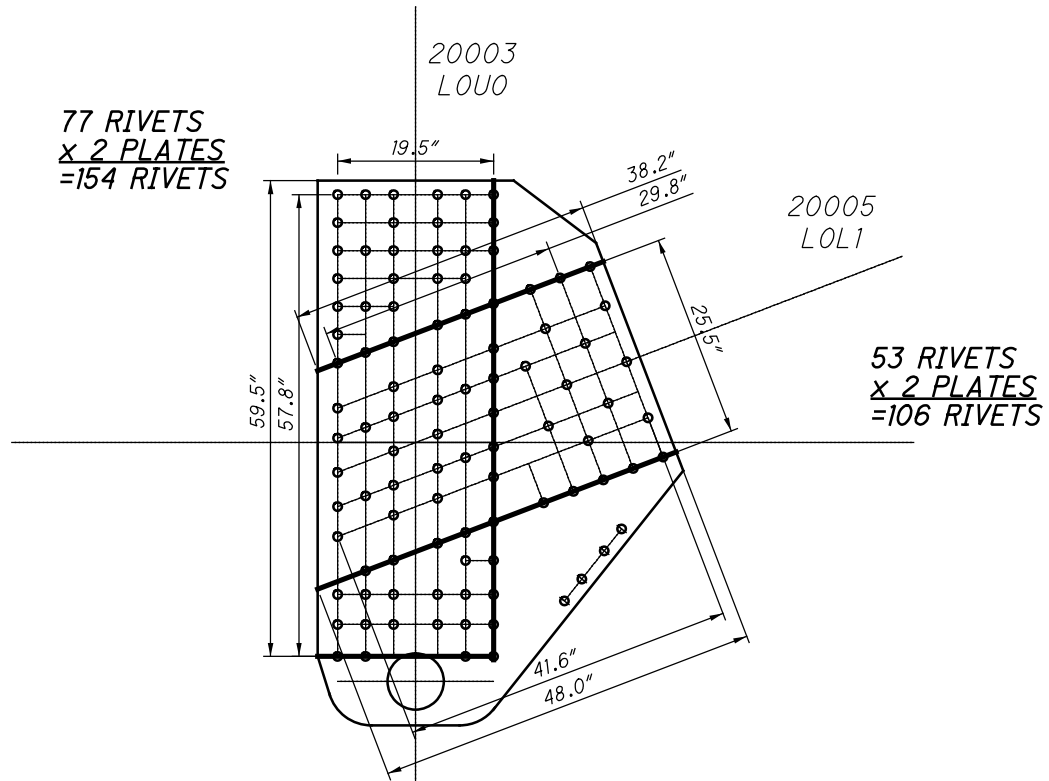
20003
LOU0

20005
LOL1

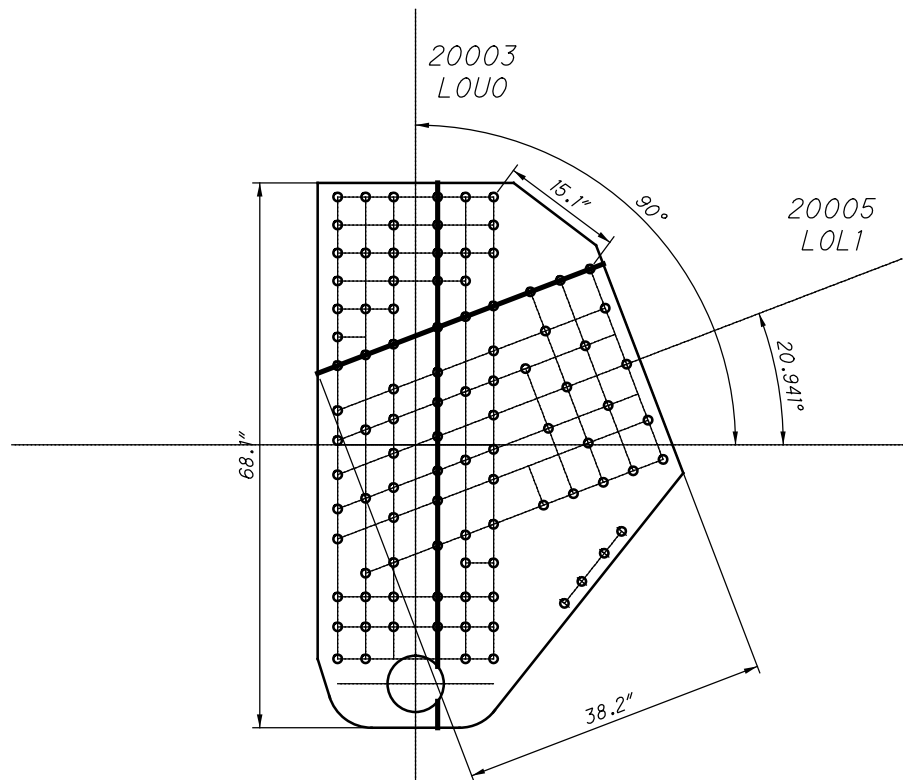
$L_c = 0.535''$



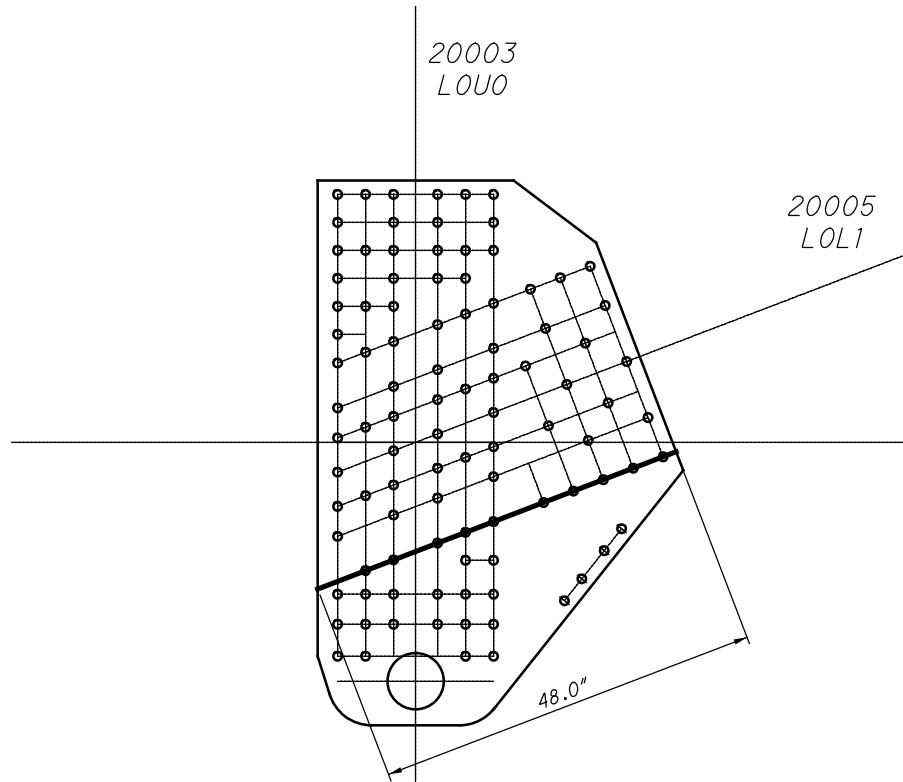
**LO OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



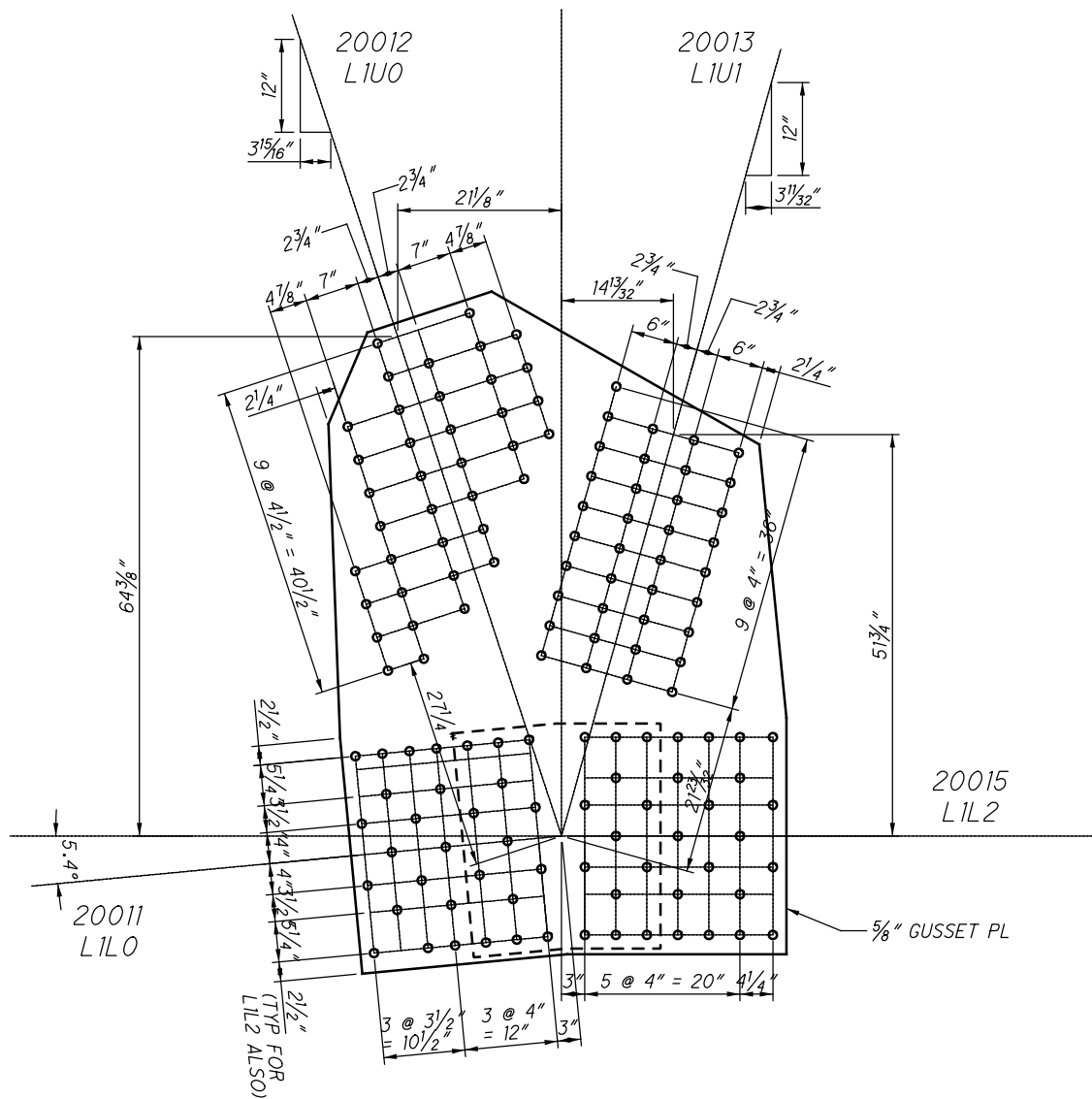
**LO OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**LO OUTSIDE
SHEAR AND FREE EDGE CHECK**

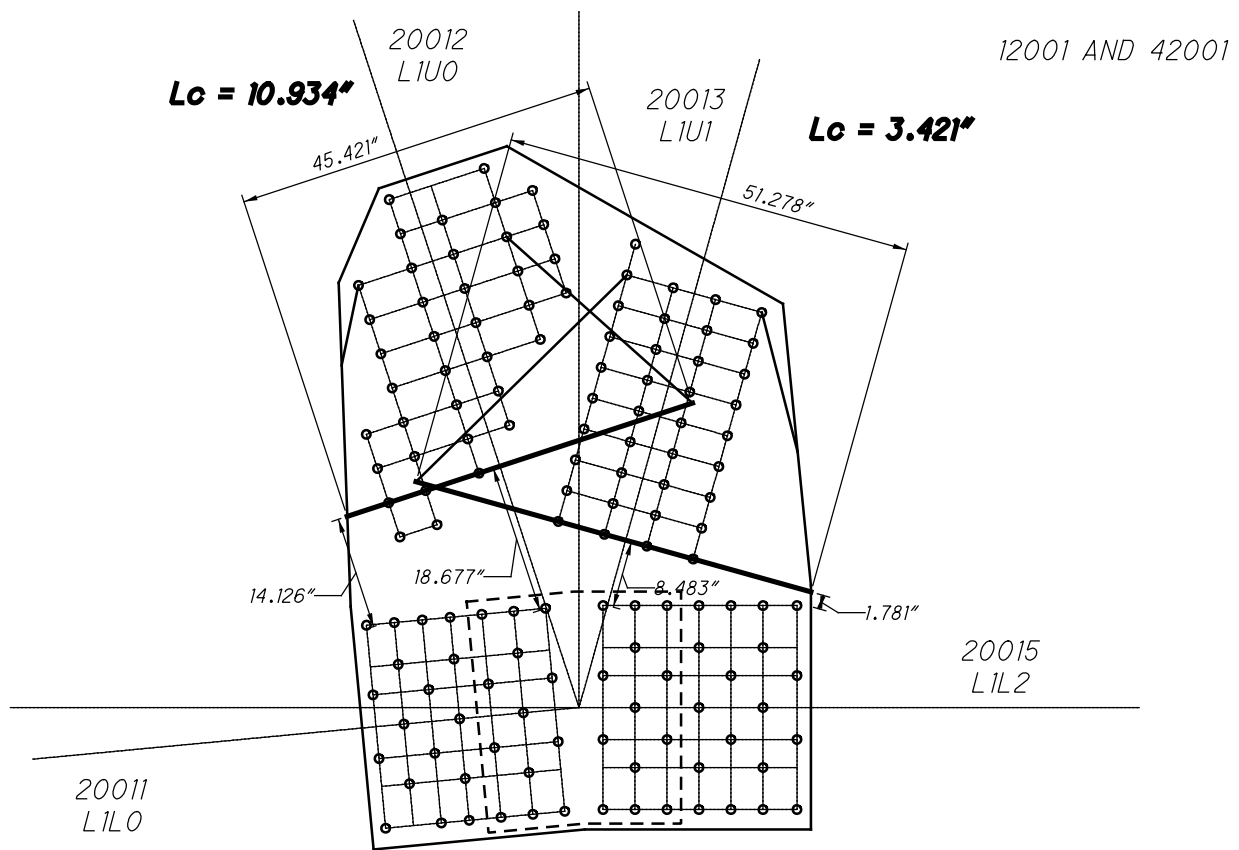


**LO OUTSIDE
QUADRANT DIMENSIONS**

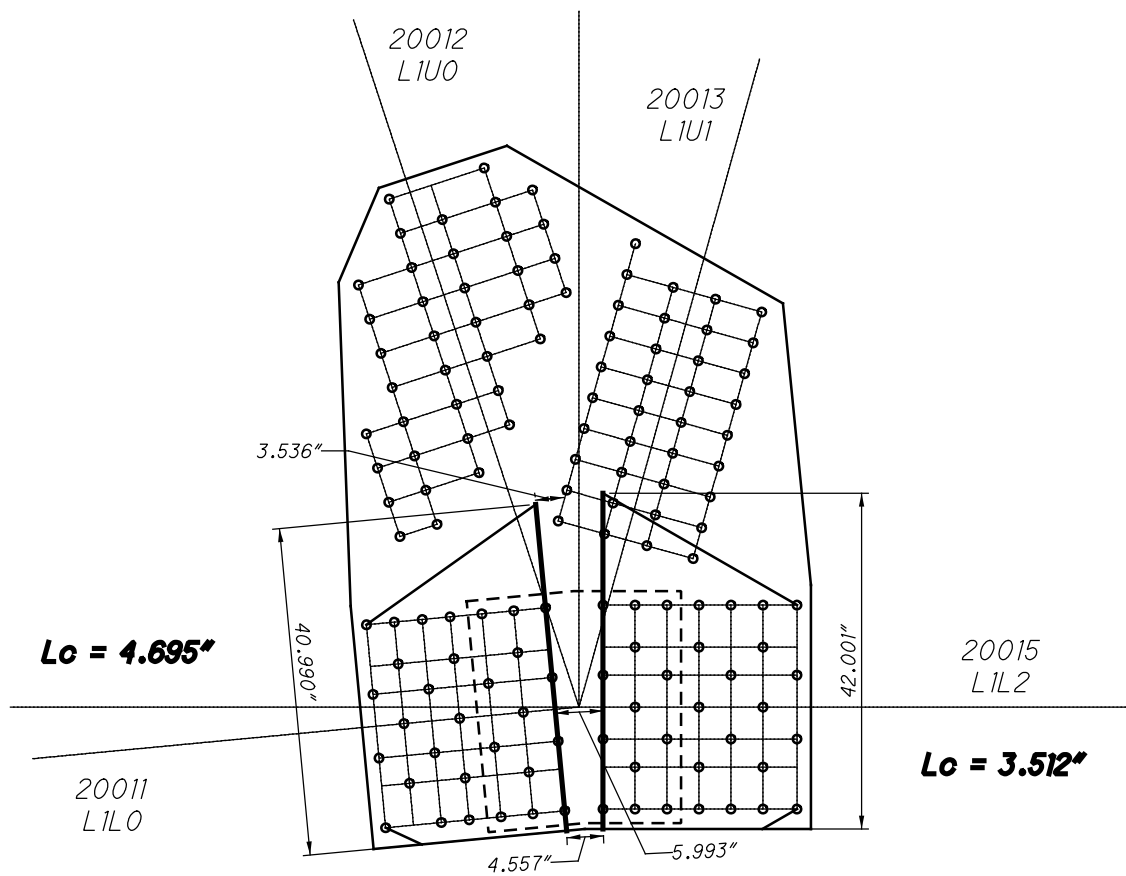


SPLICE PLATE
30" X 3/8" X 2'-3"

**L1 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

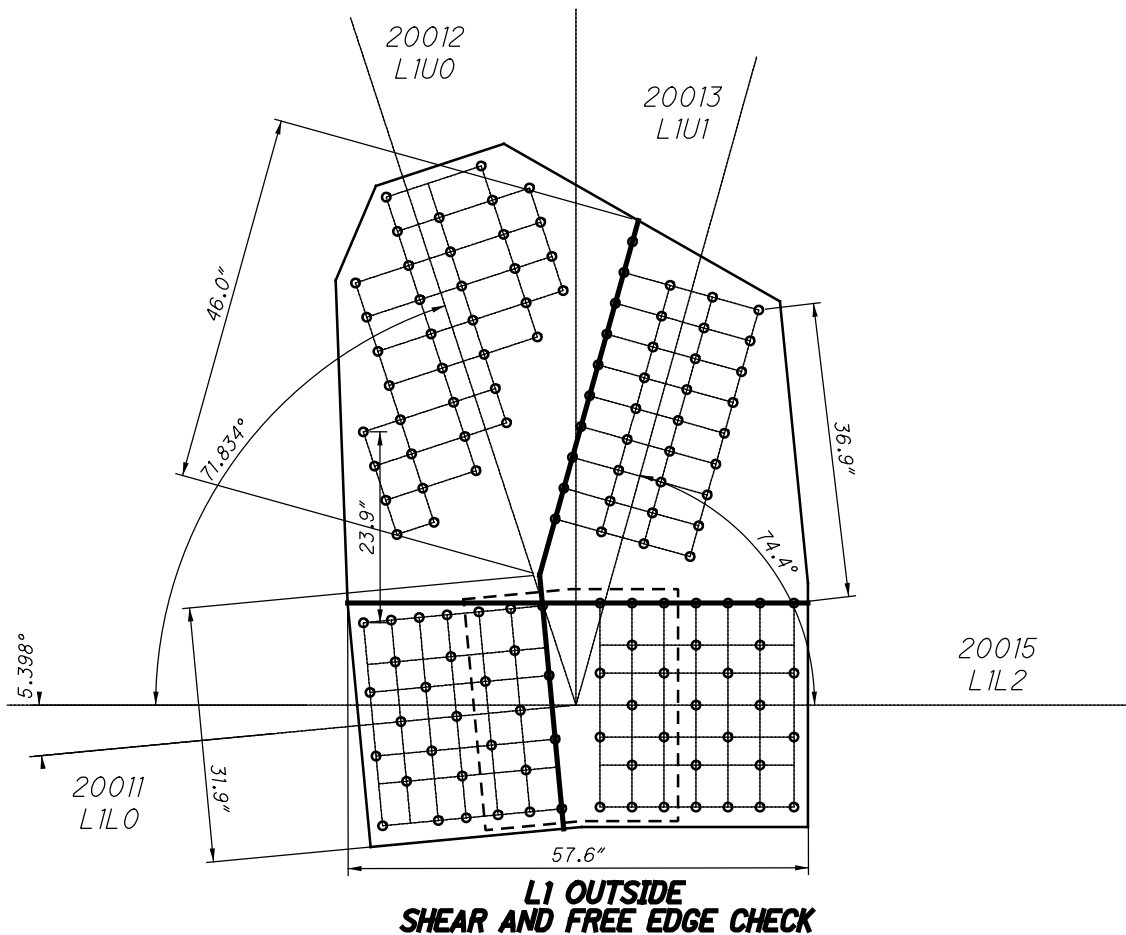
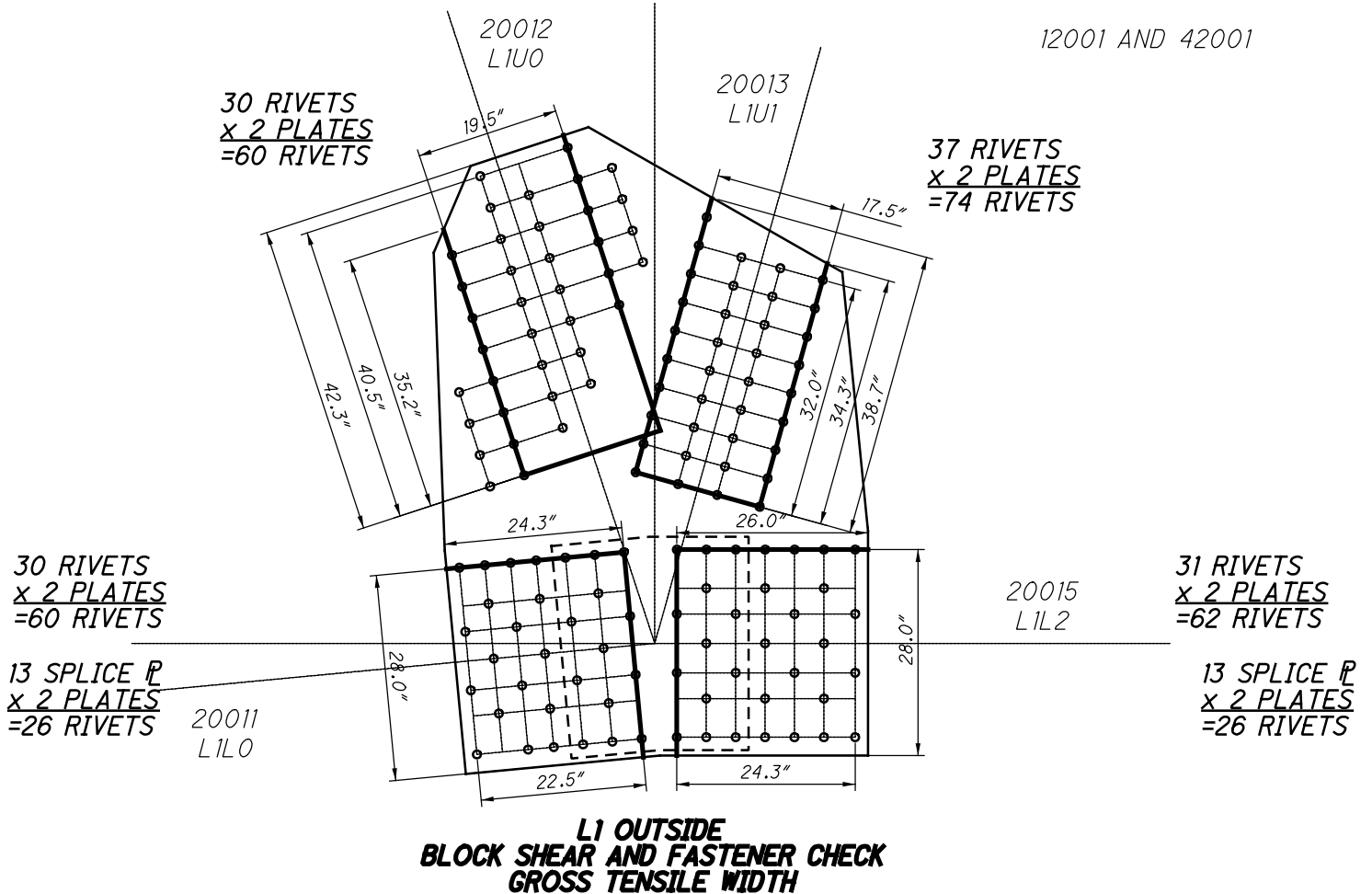


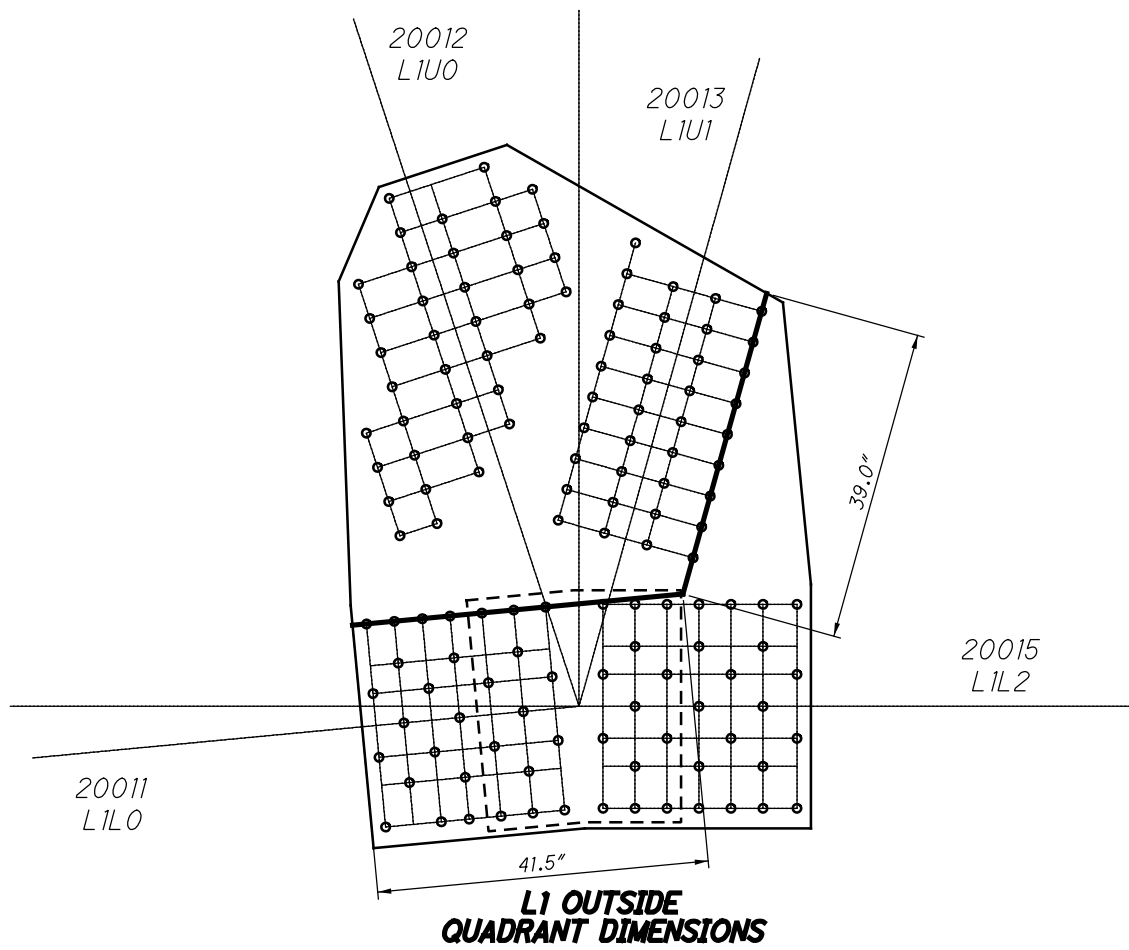
**L1 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



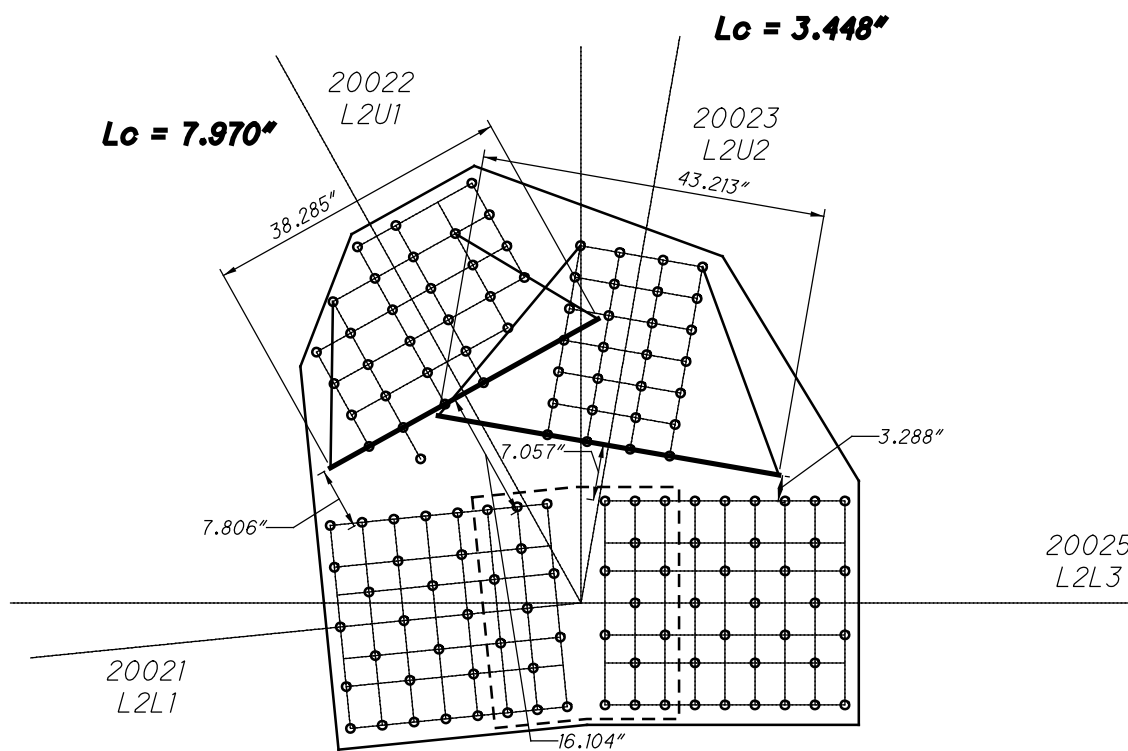
**L1 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

12001 AND 42001

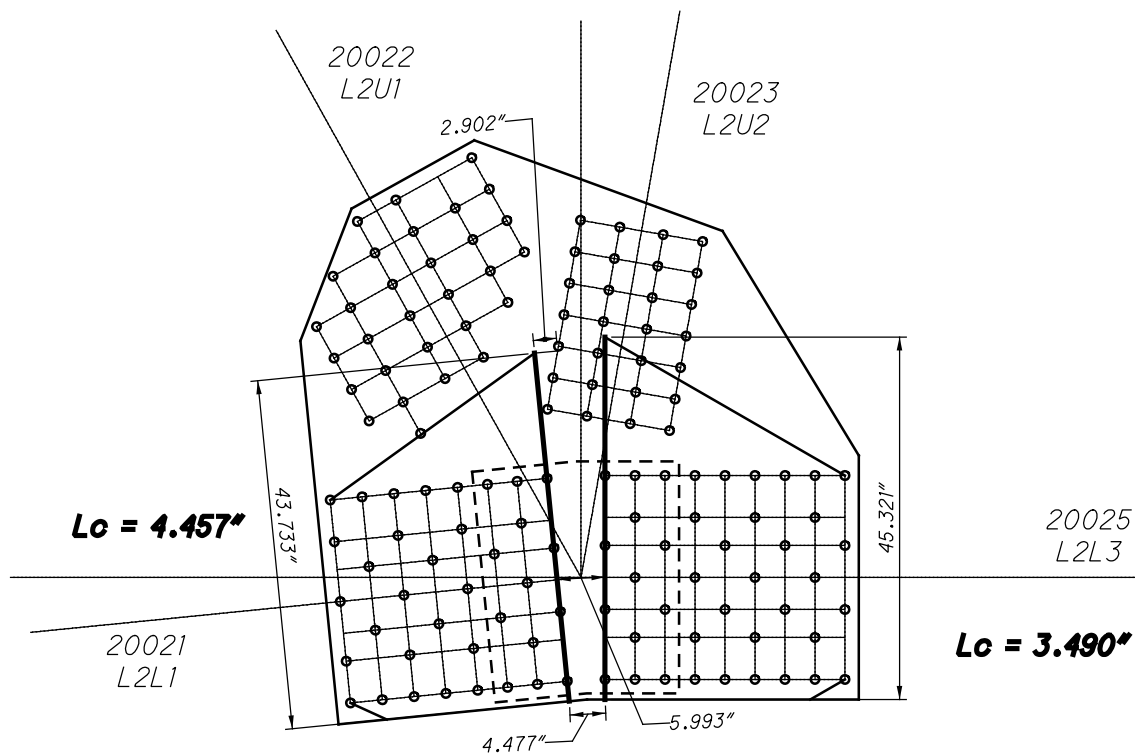




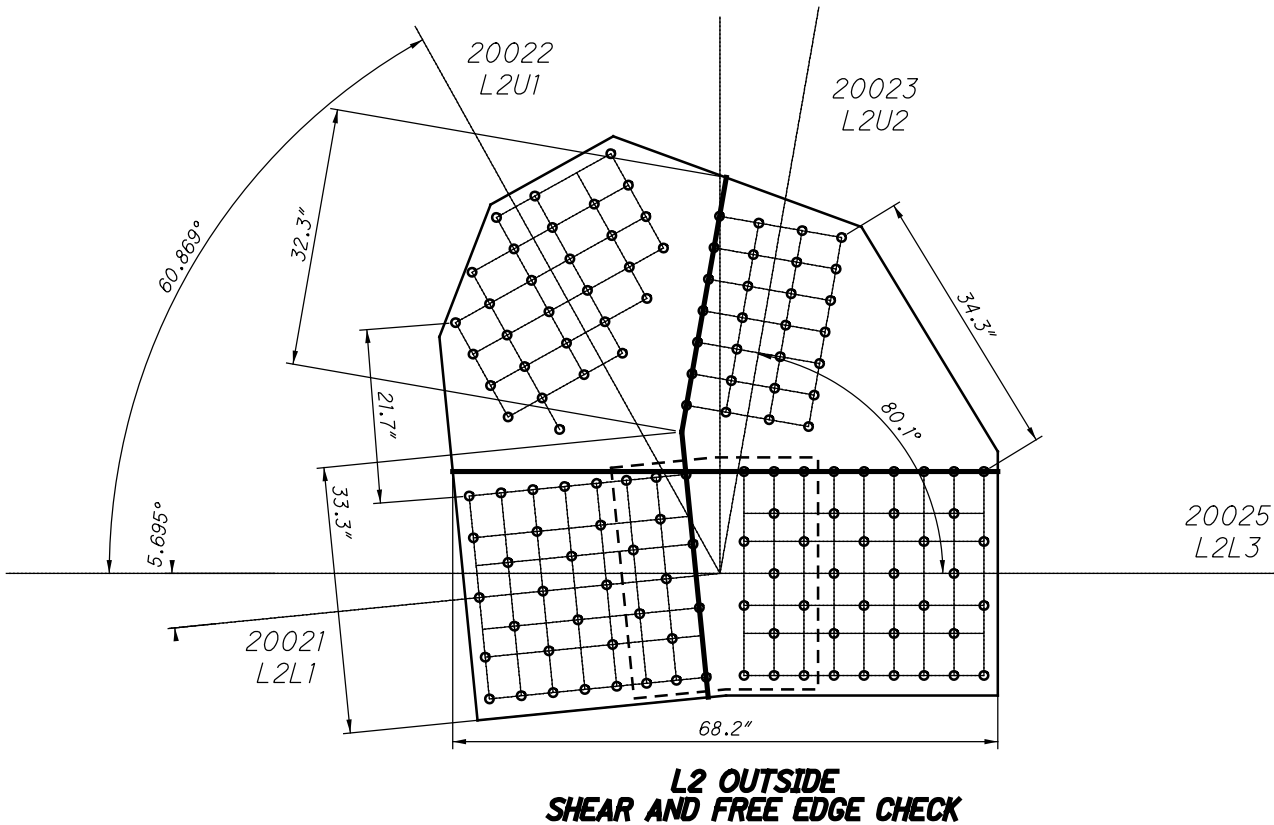
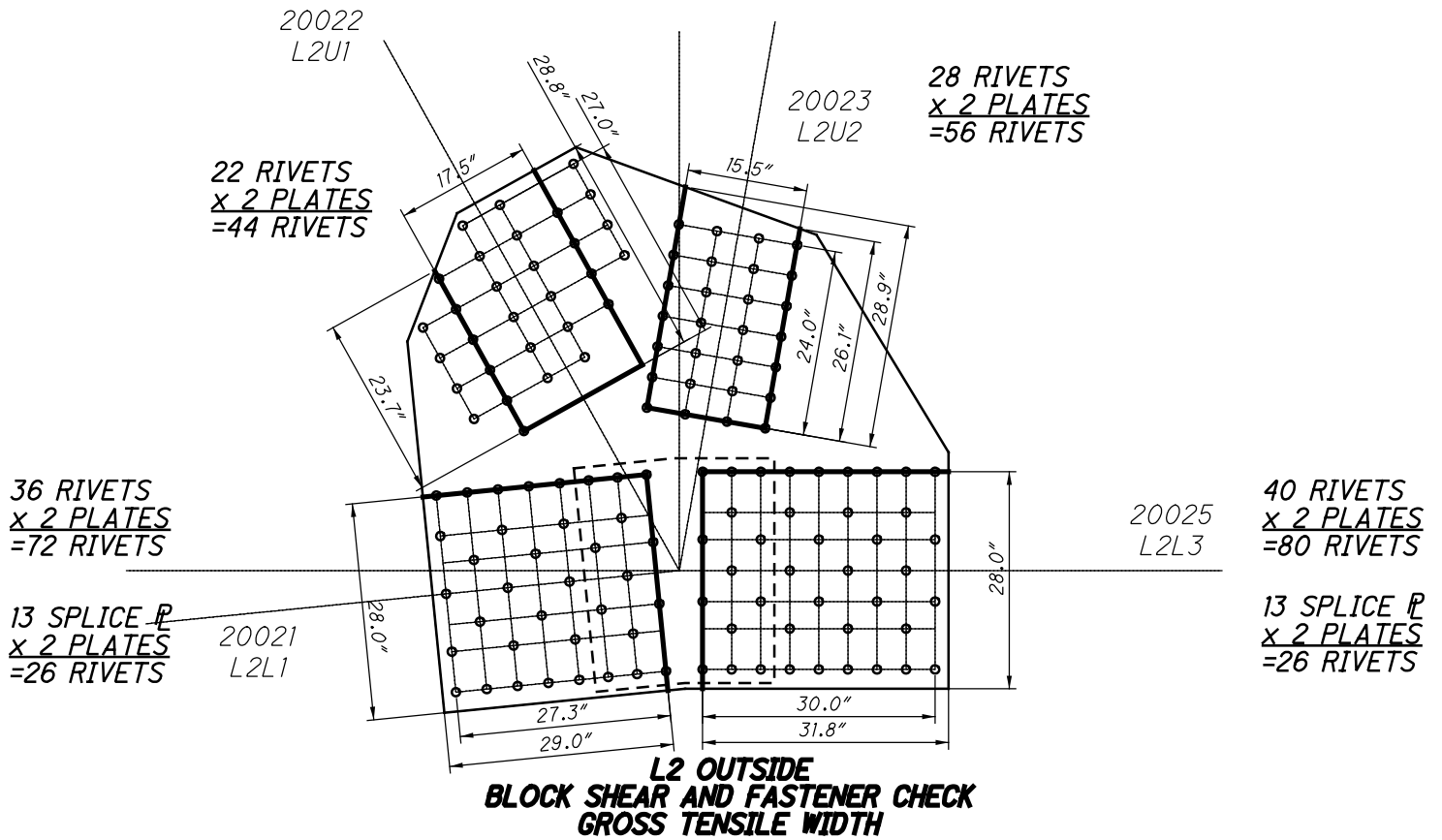
**L2 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

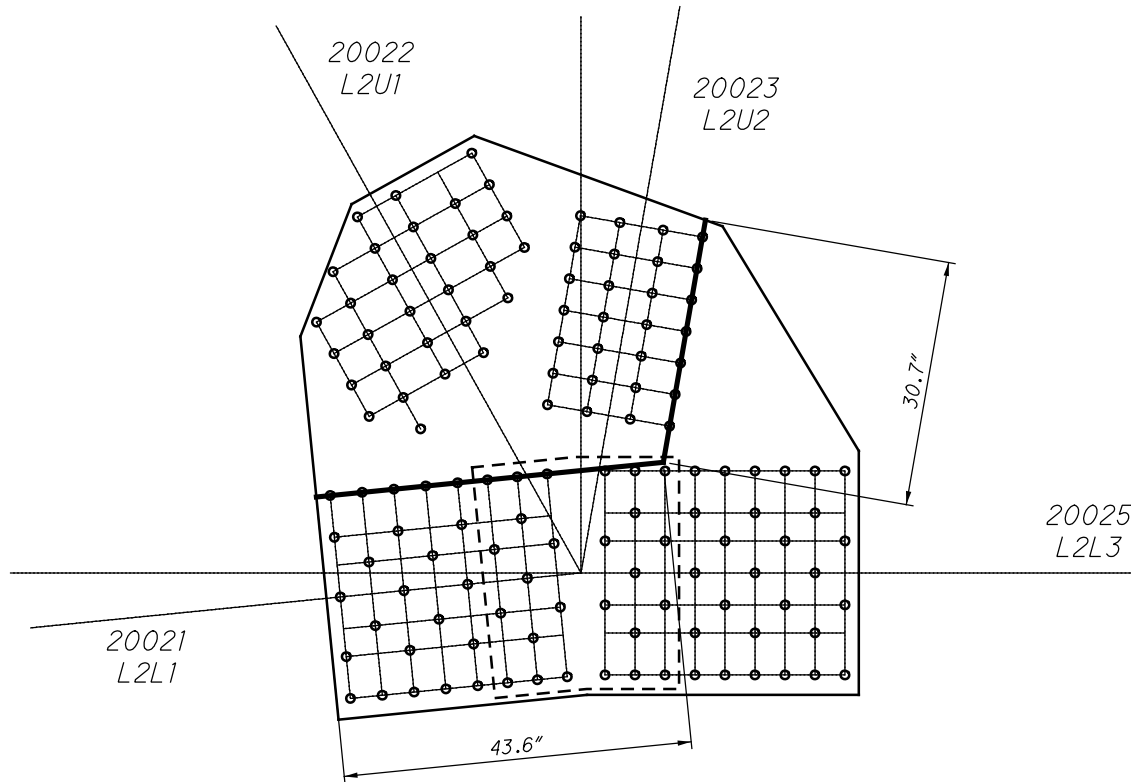


**L2 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

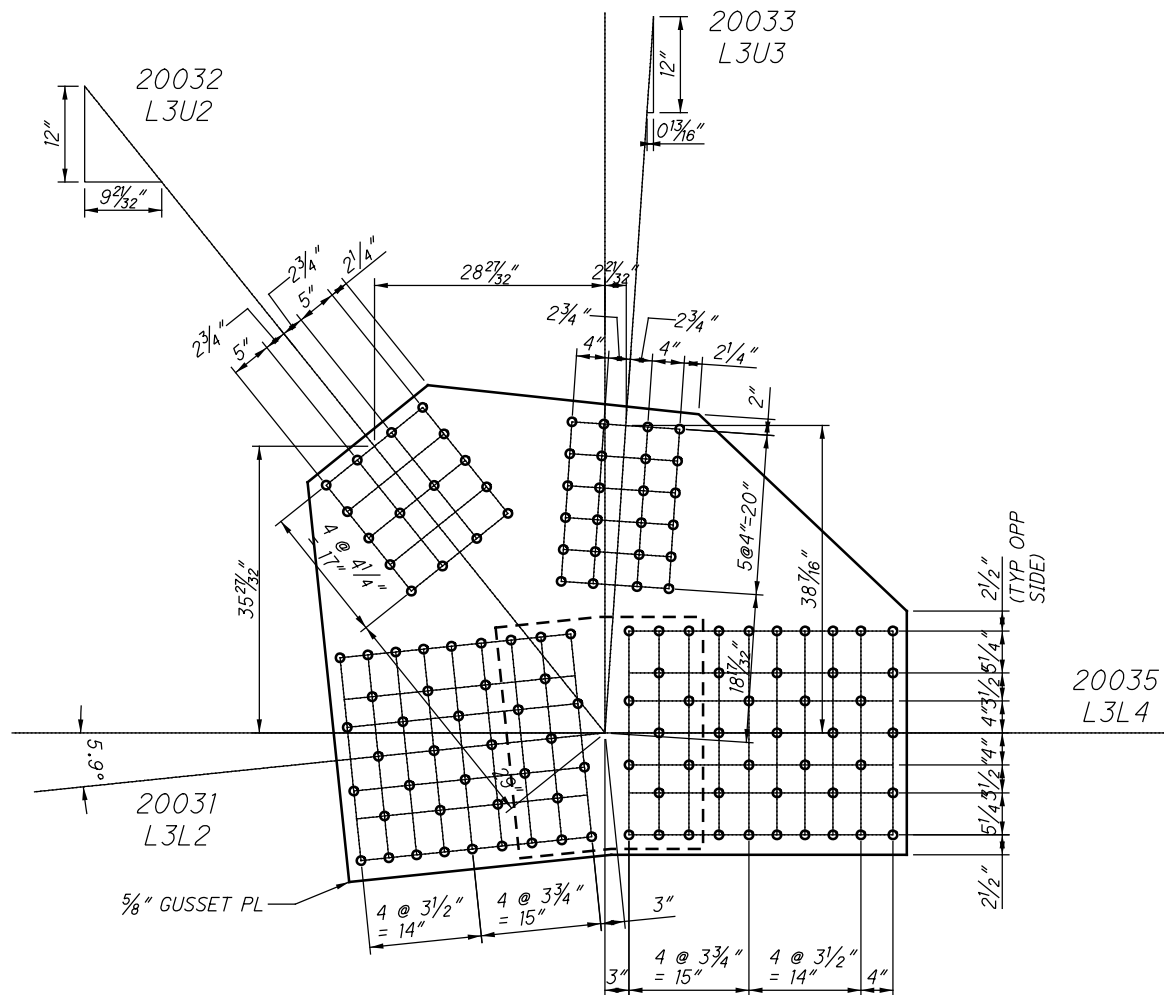


**L2 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



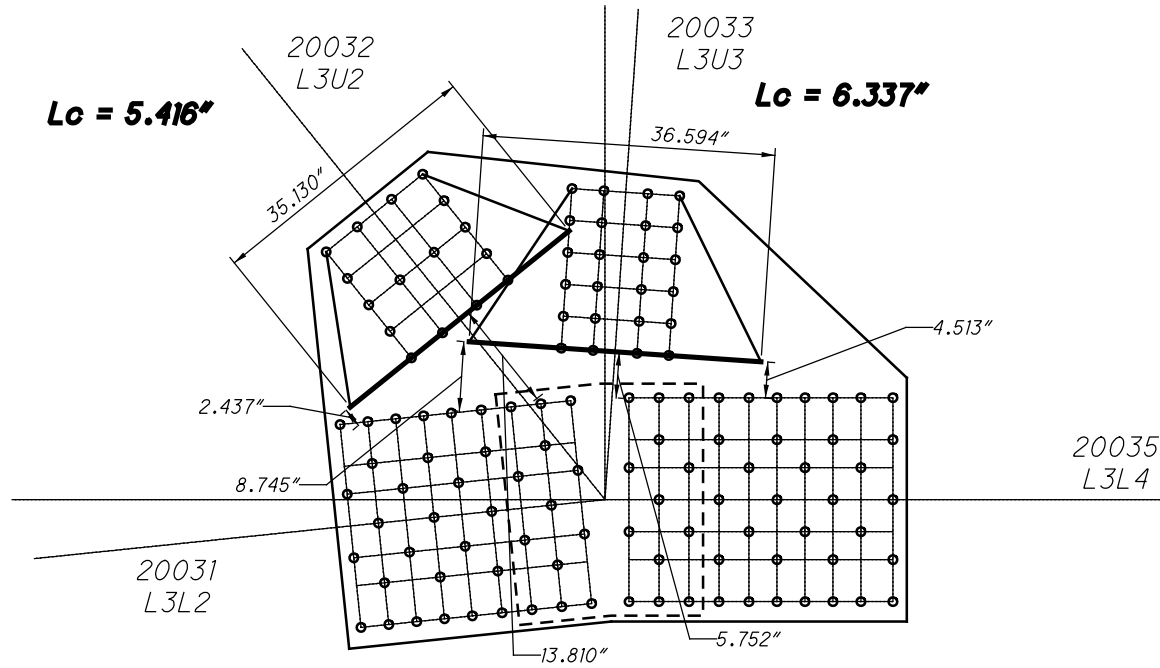


**L2 OUTSIDE
QUADRANT DIMENSIONS**

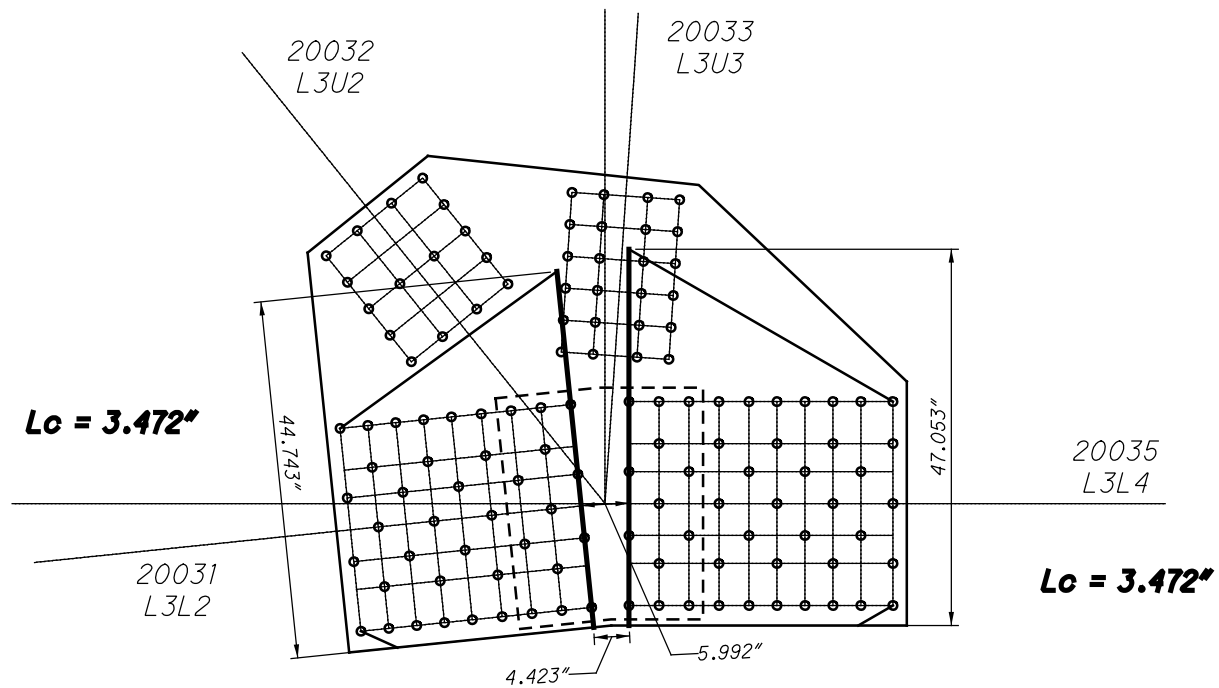


SPLICE PLATE
30" X 7/16" X 2'-2"

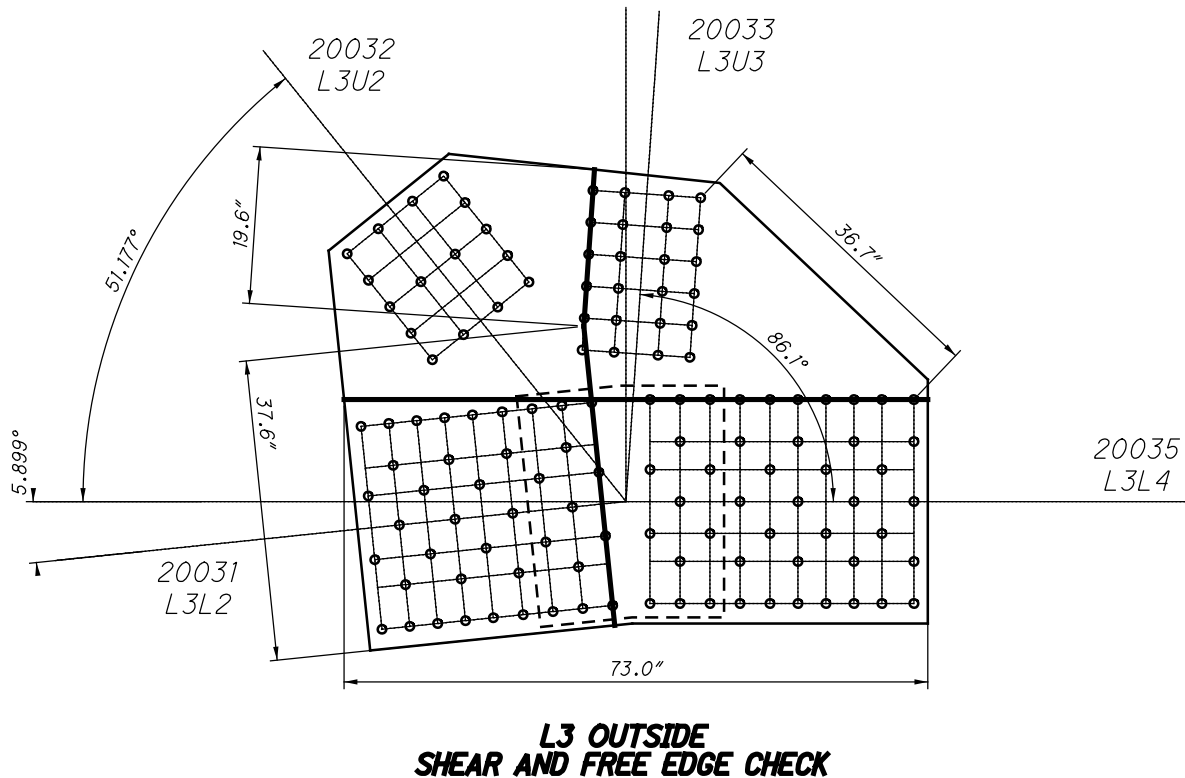
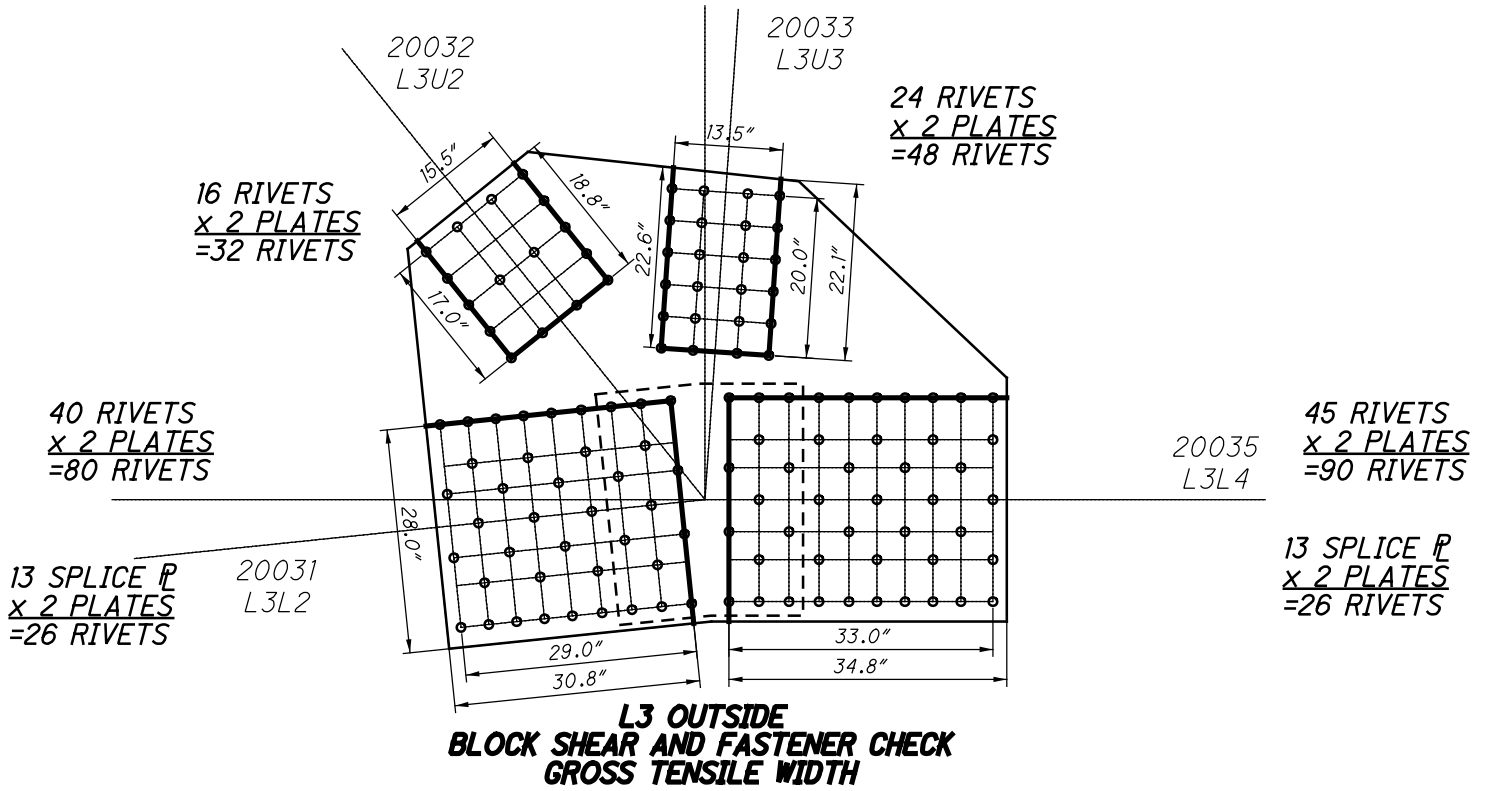
**L3 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

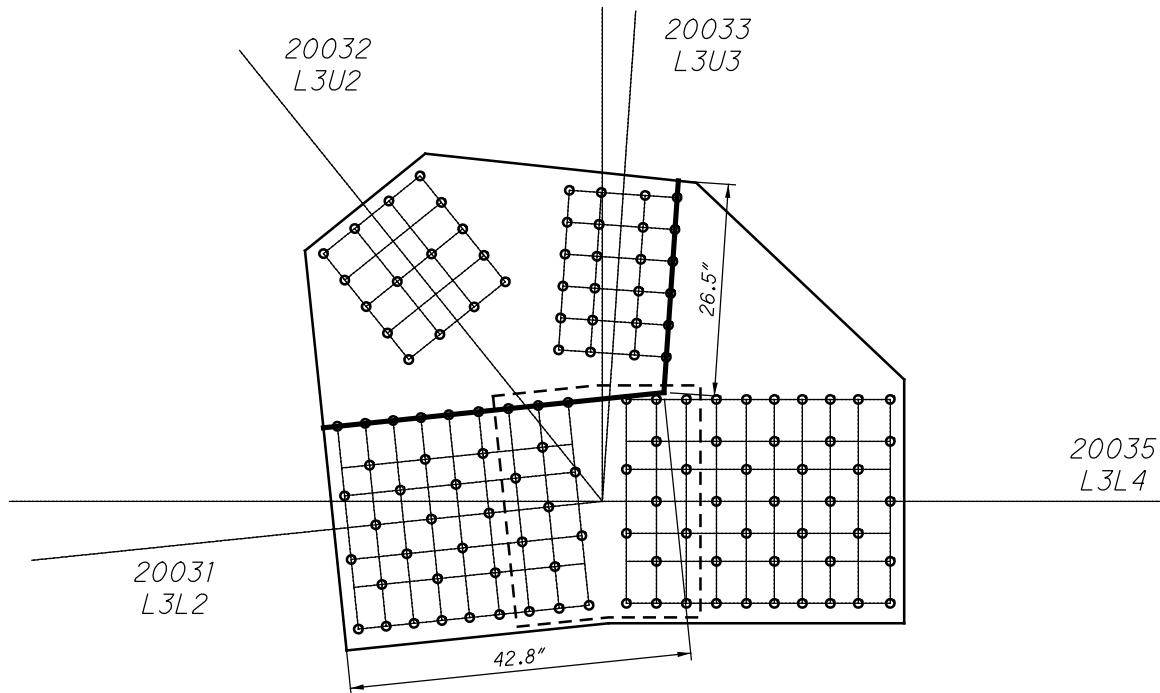


**L3 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

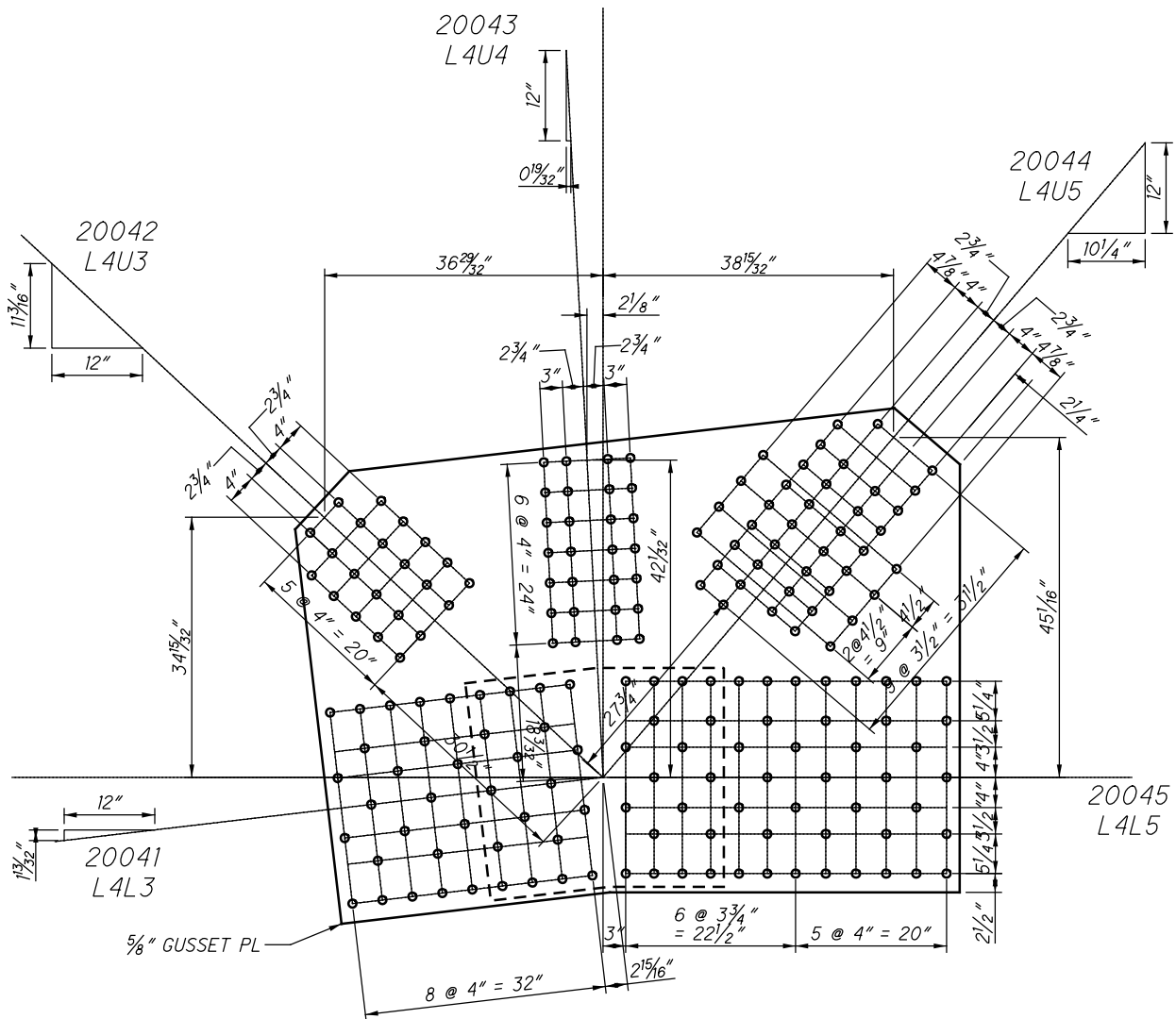


**L3 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



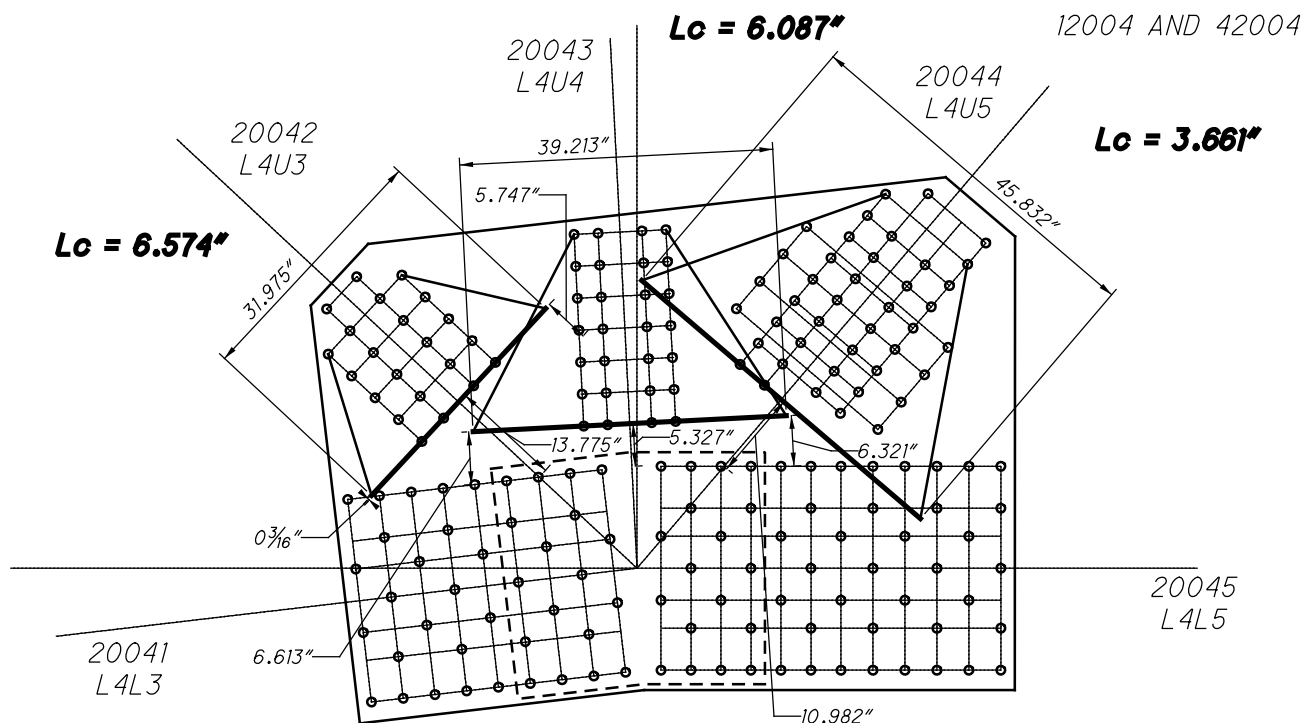


**L3 OUTSIDE
QUADRANT DIMENSIONS**

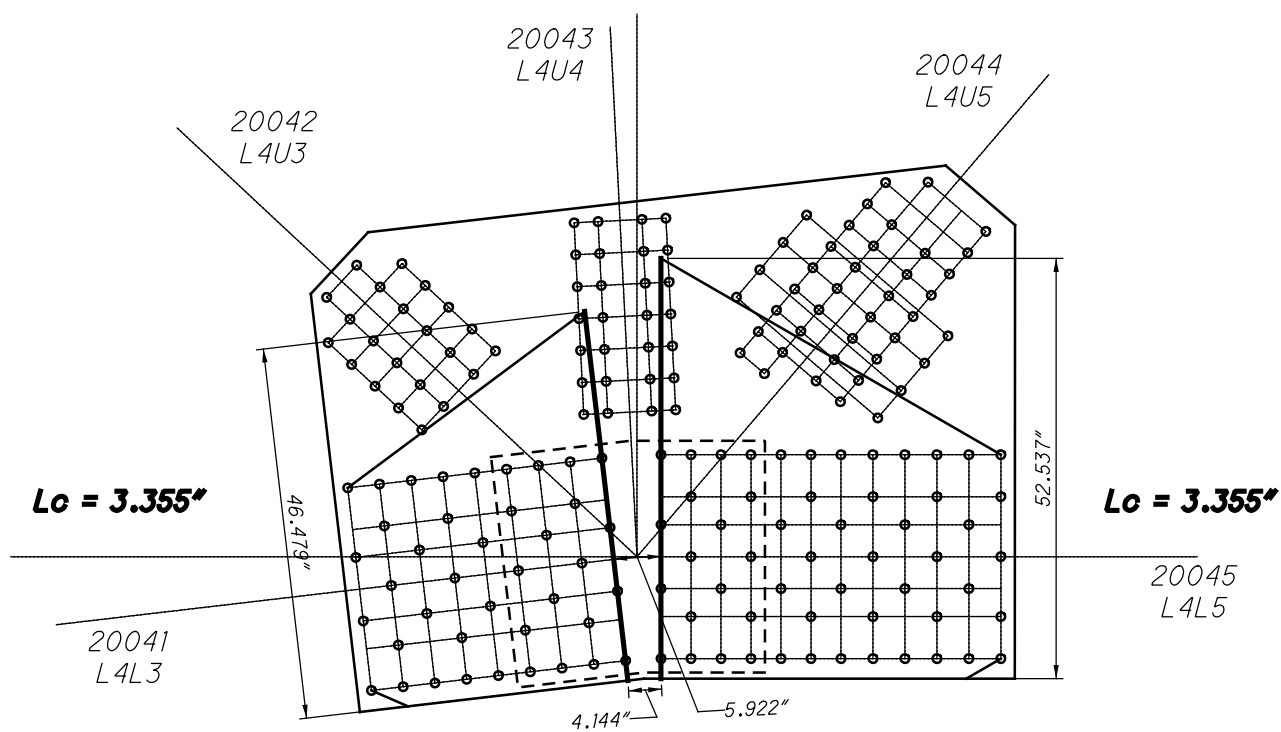


SPLICE PLATE
31" X 7/16" X 2'-10 1/4"

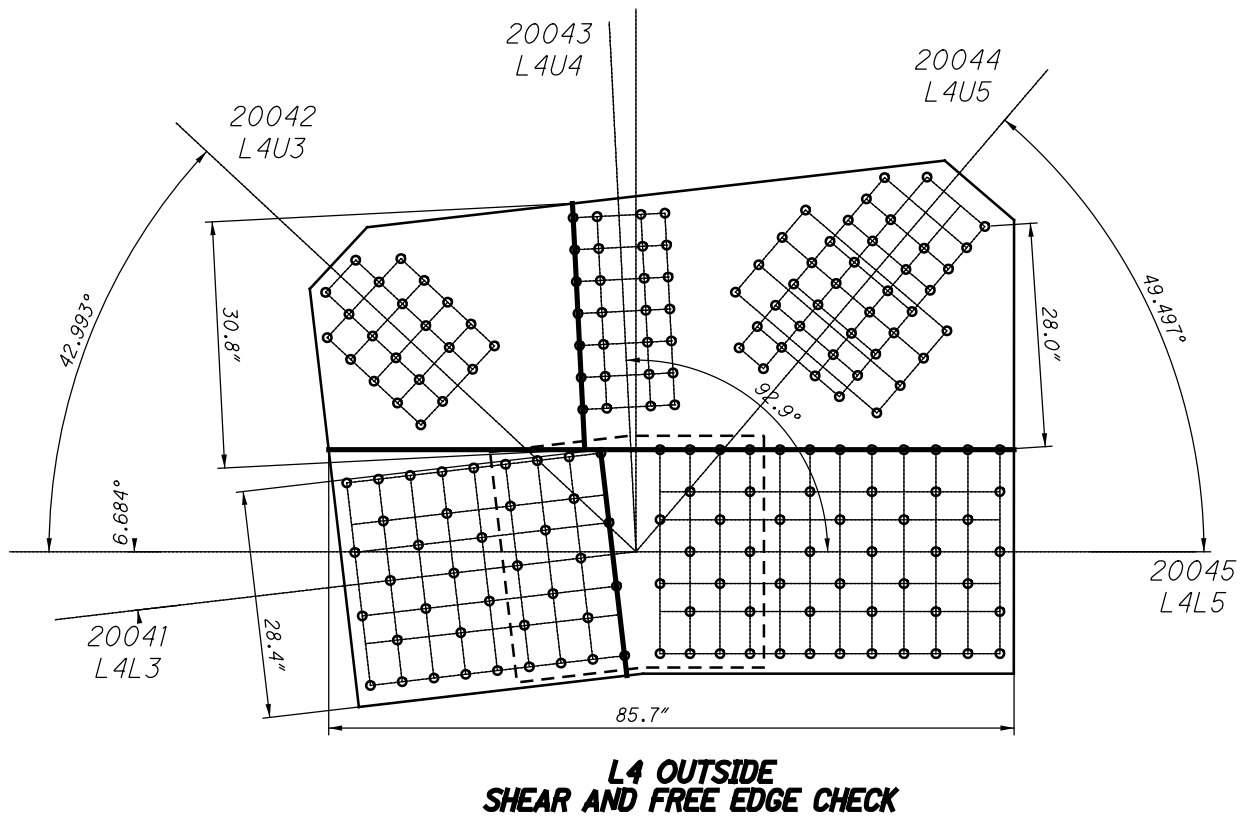
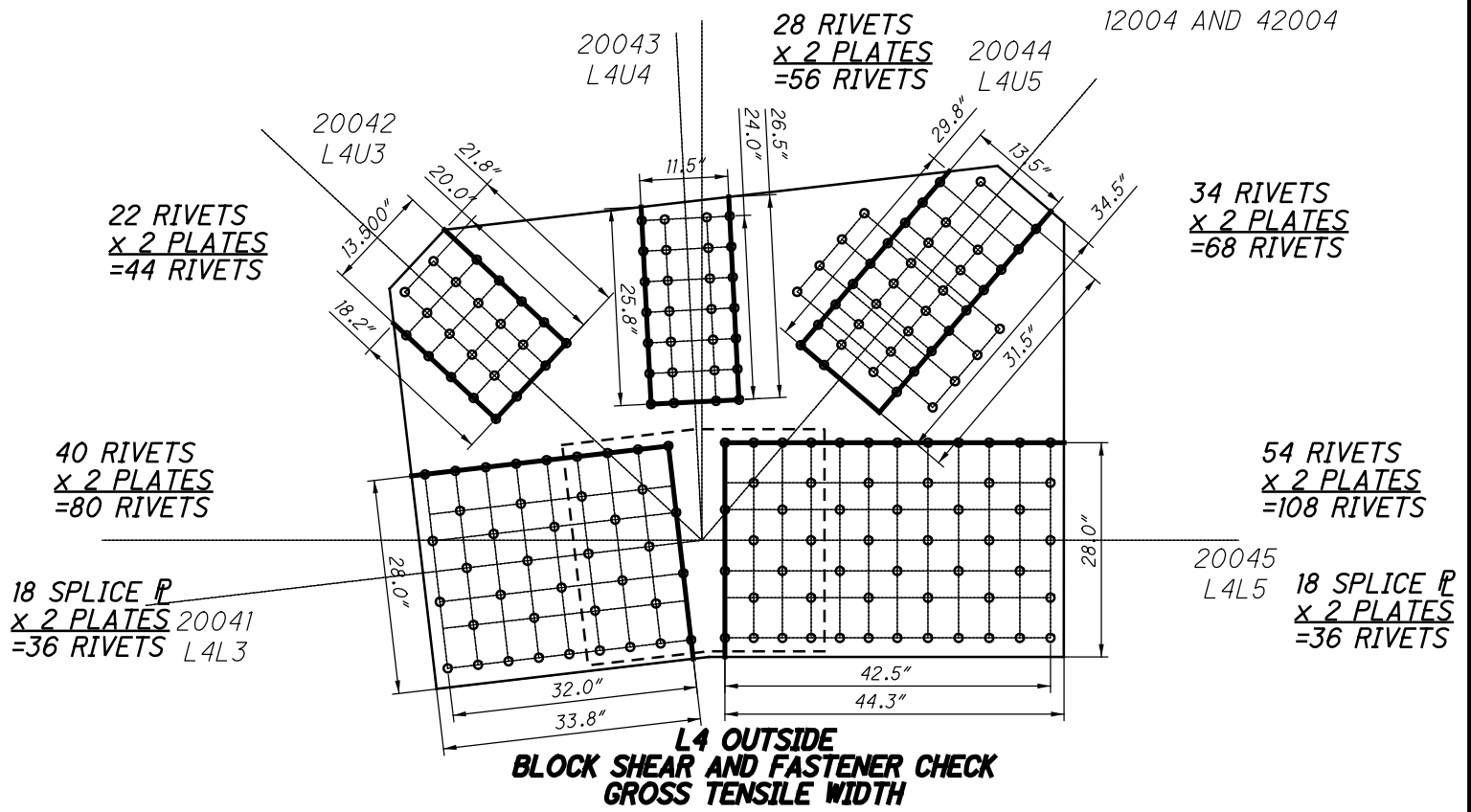
**L4 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

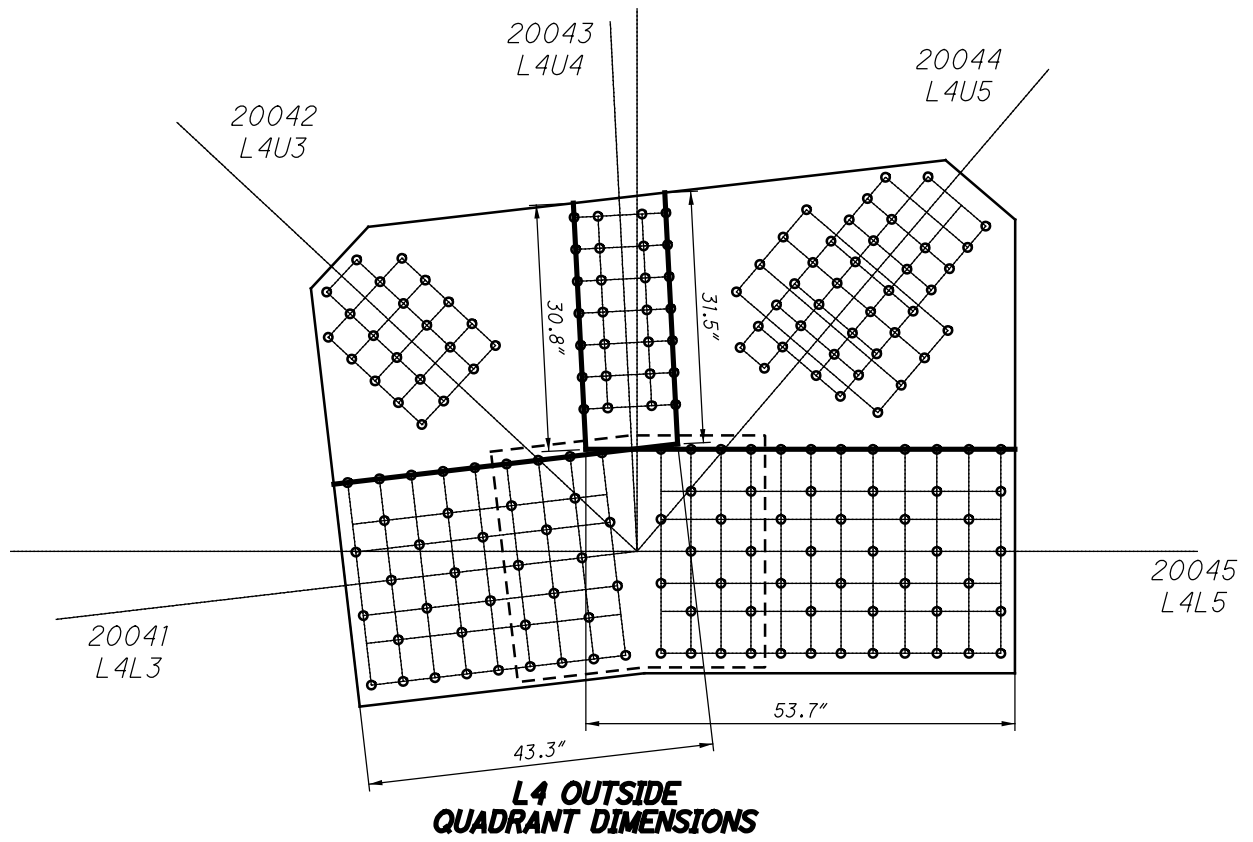


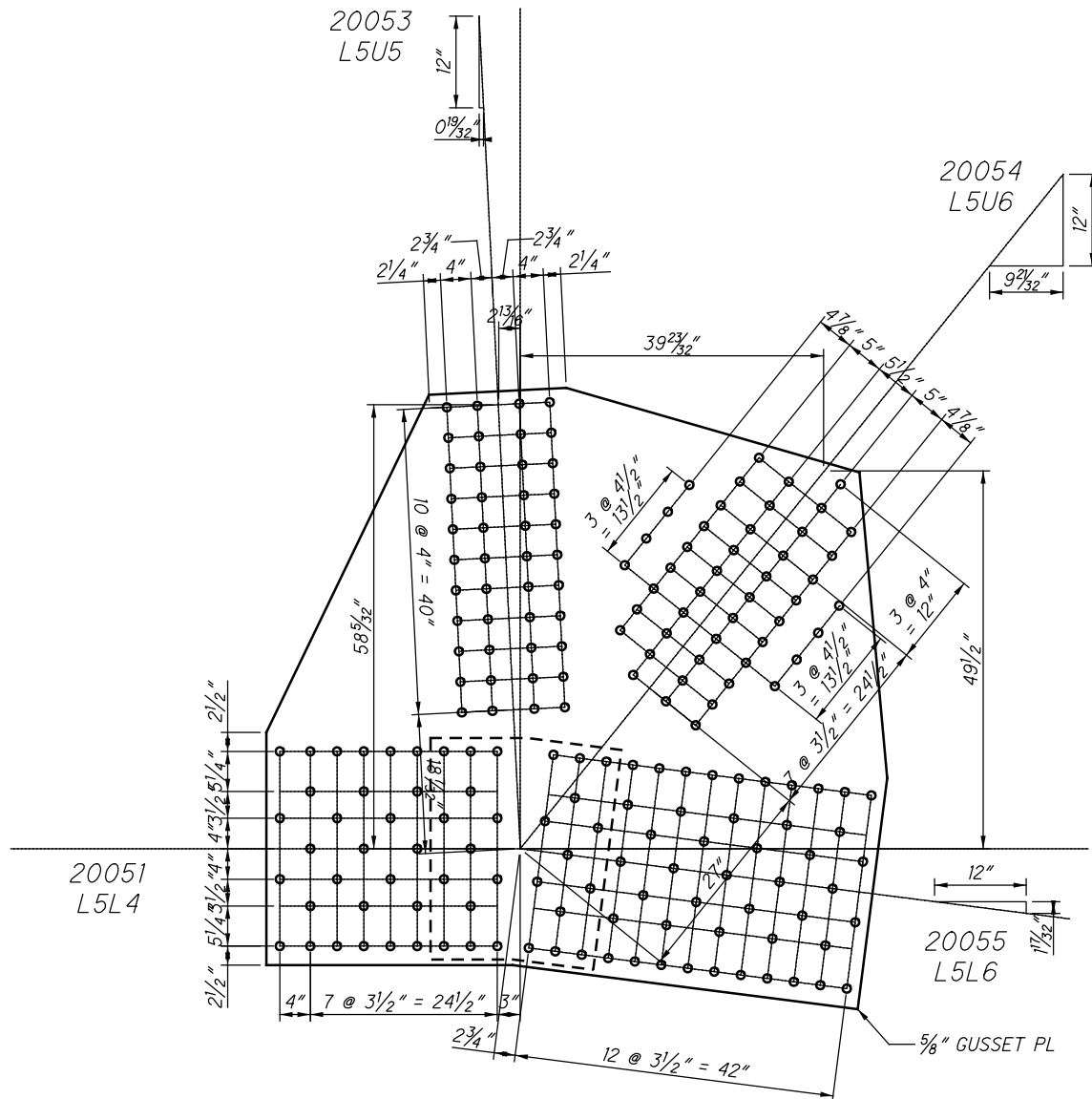
**L4 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



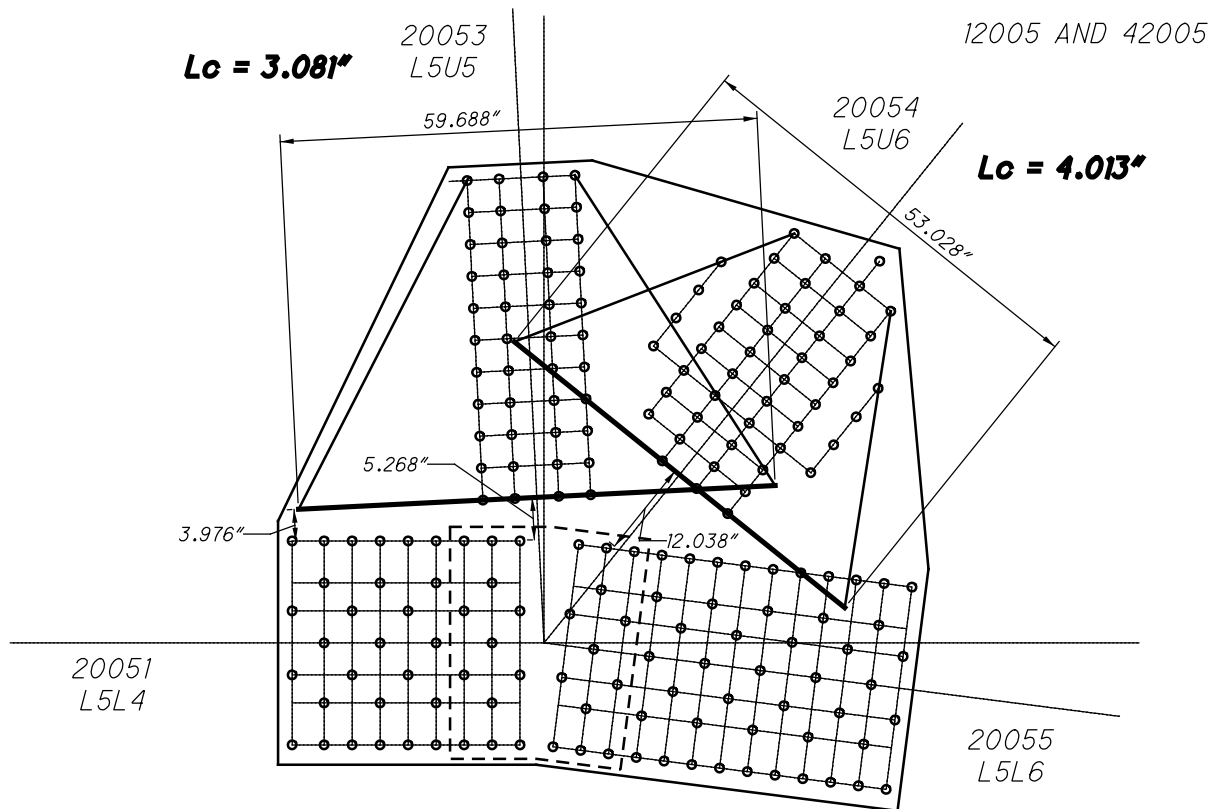
**L4 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



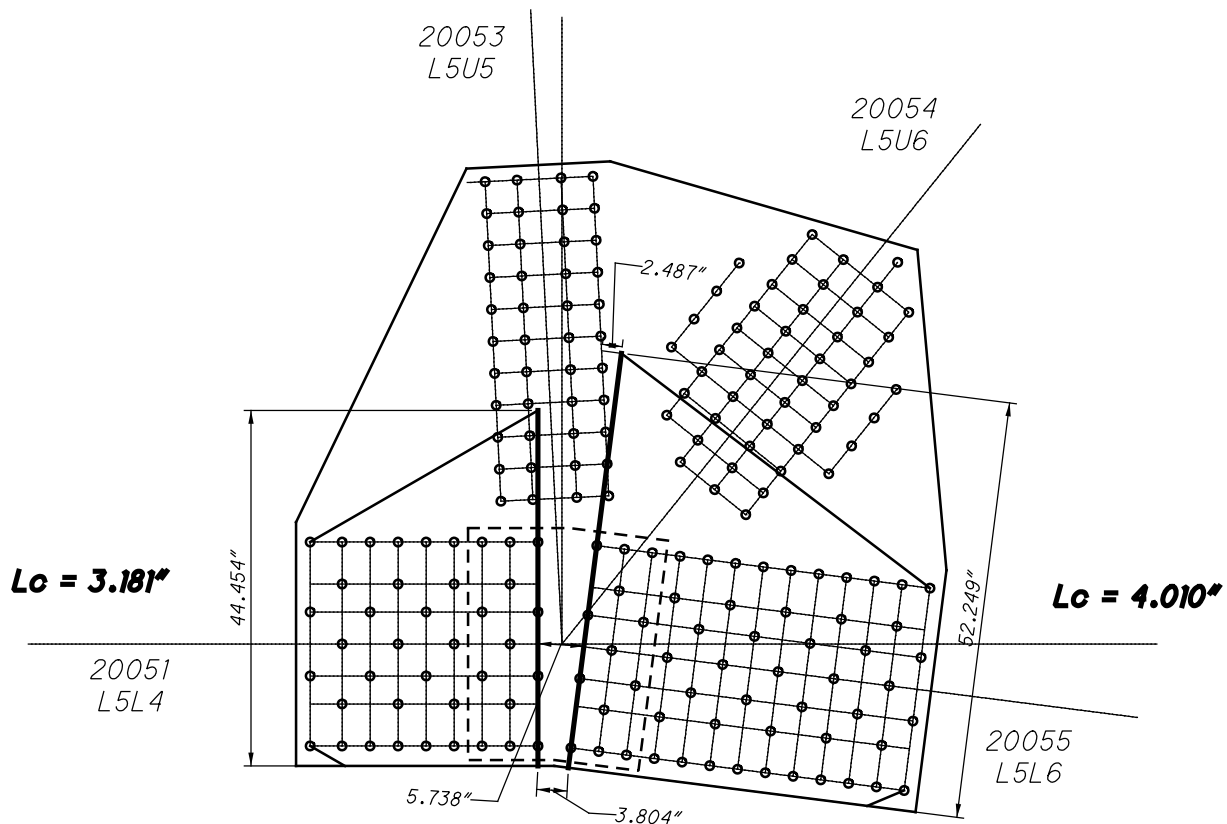




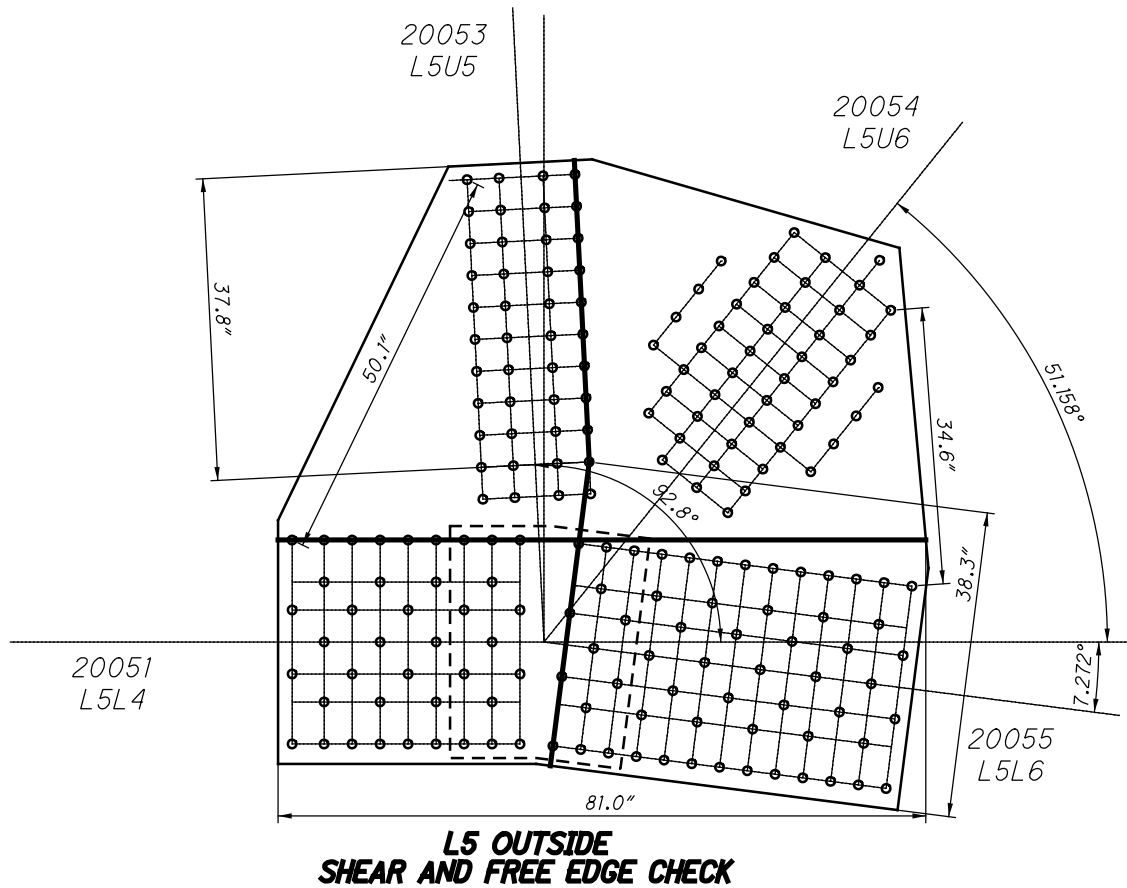
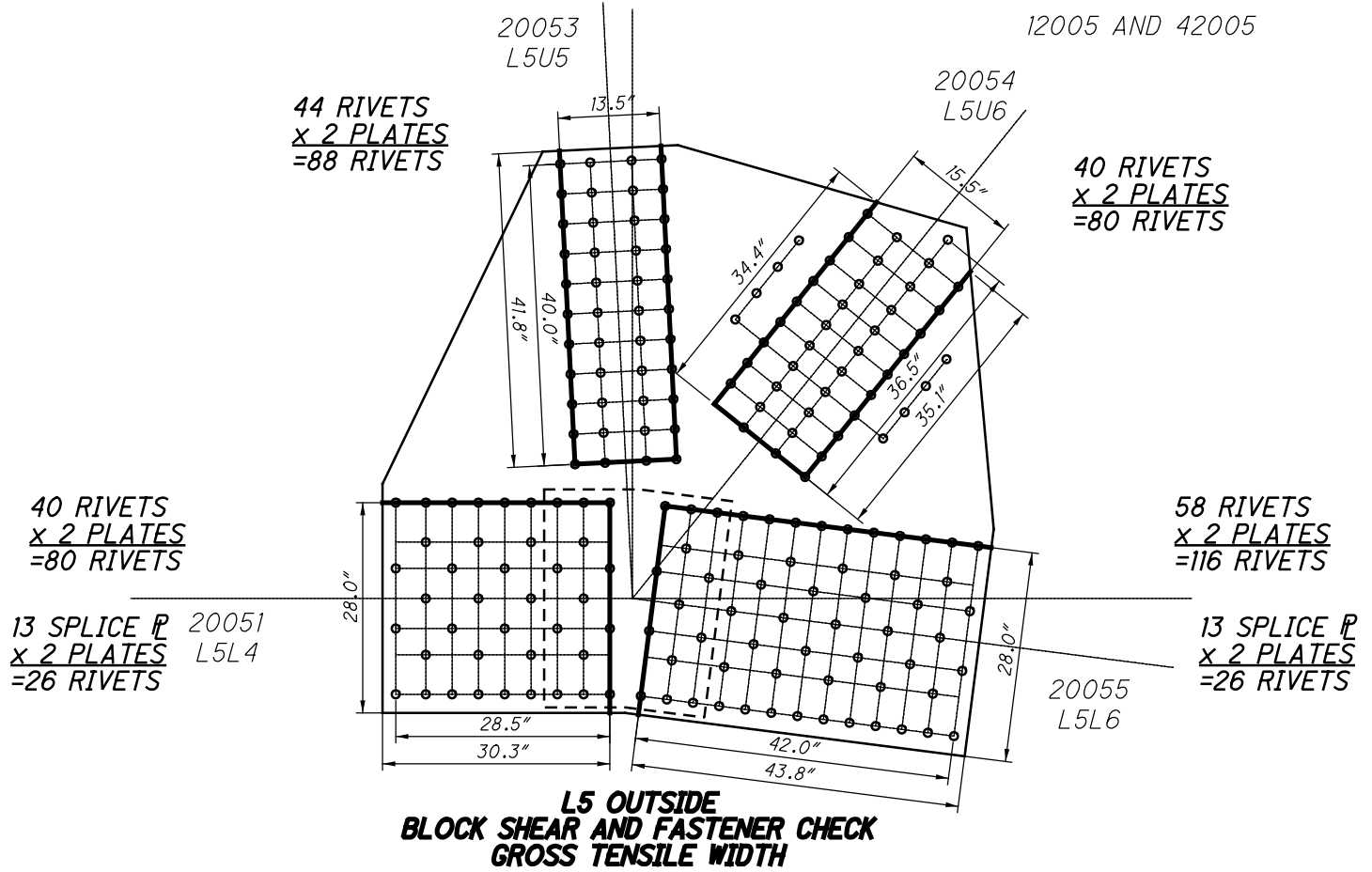
**L5 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

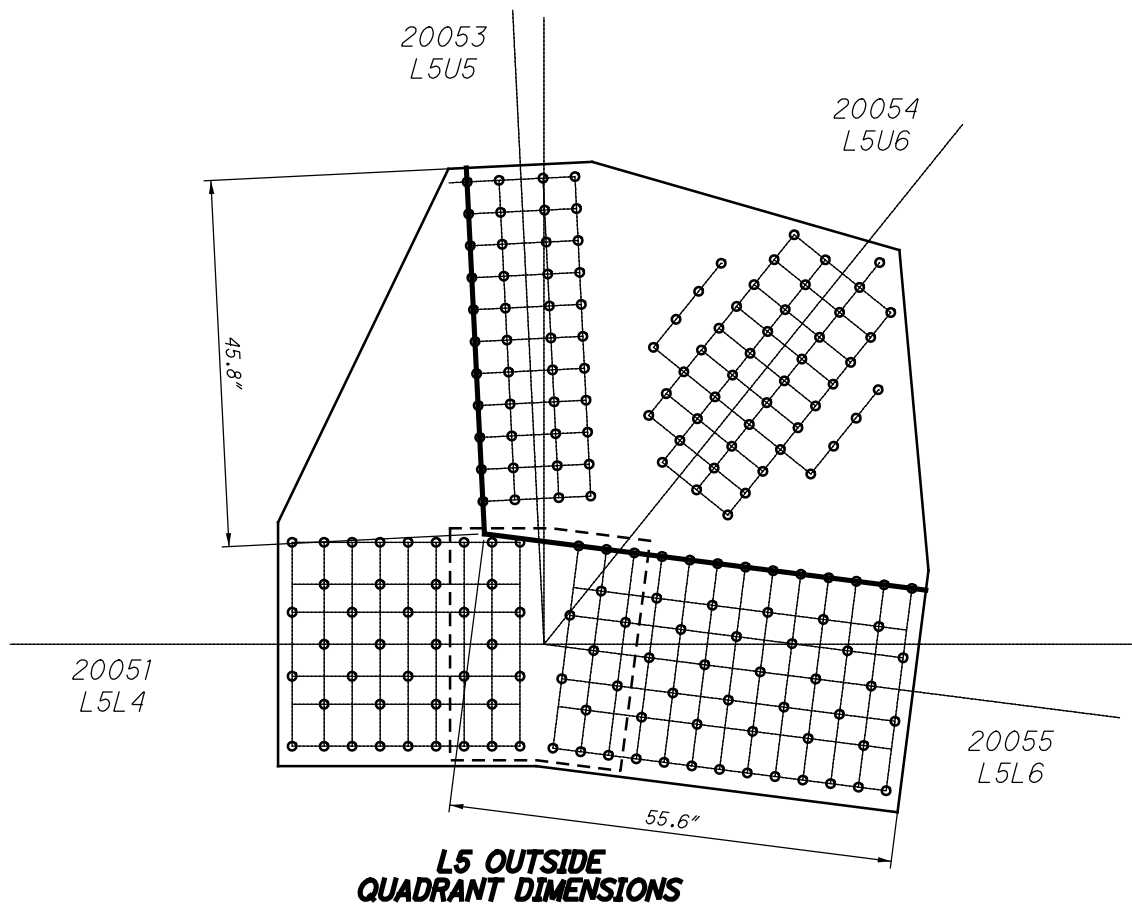


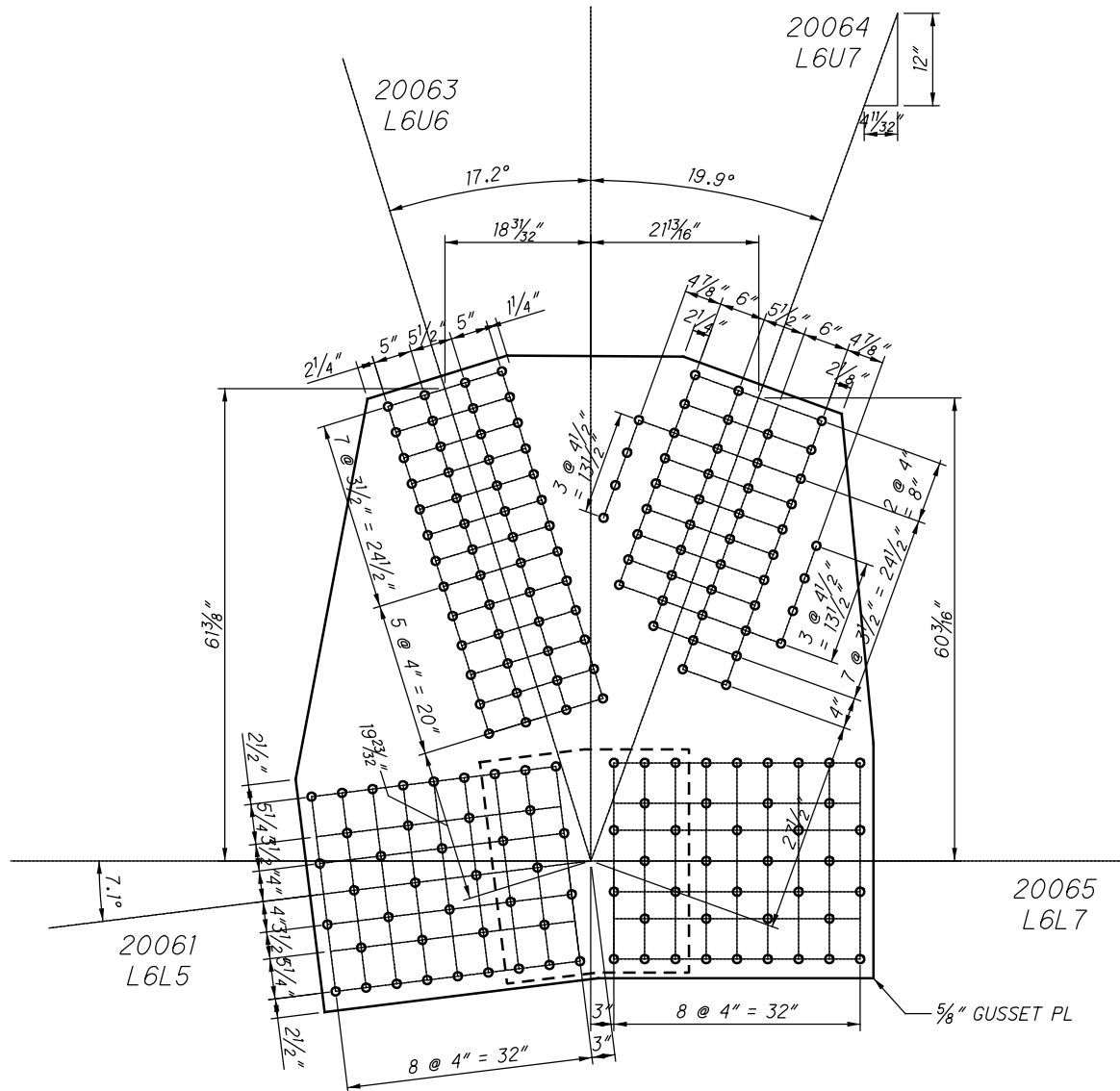
**L5 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L5 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

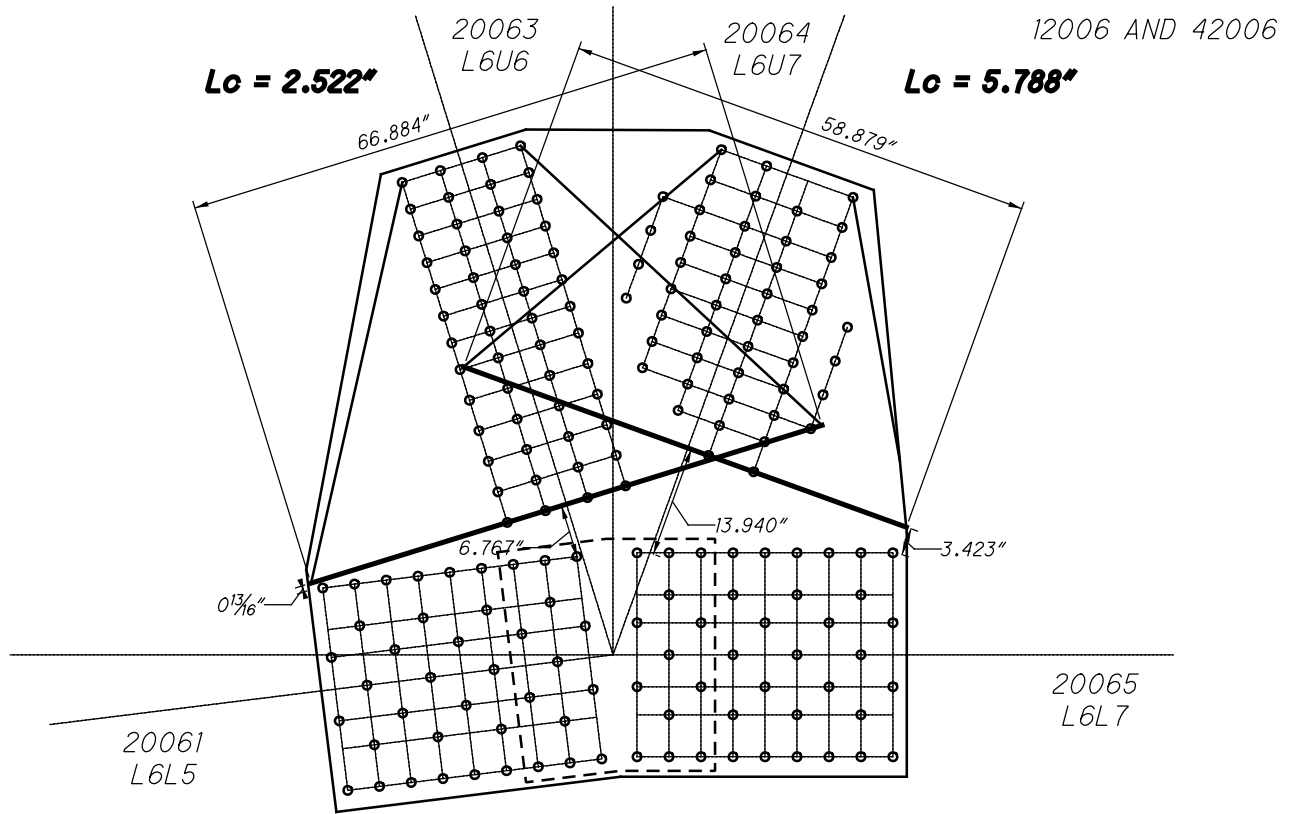




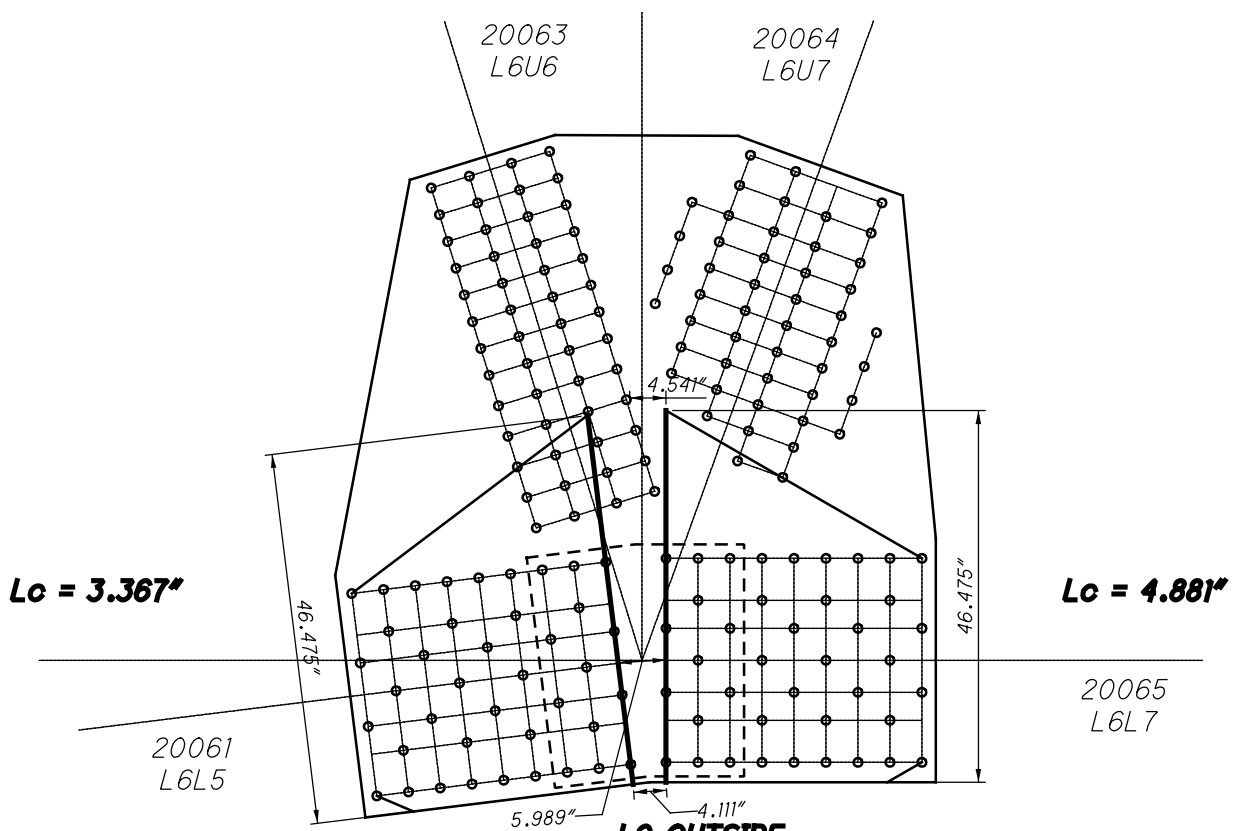


SPLICE PLATE
30" X 7/16" X 2'-4"

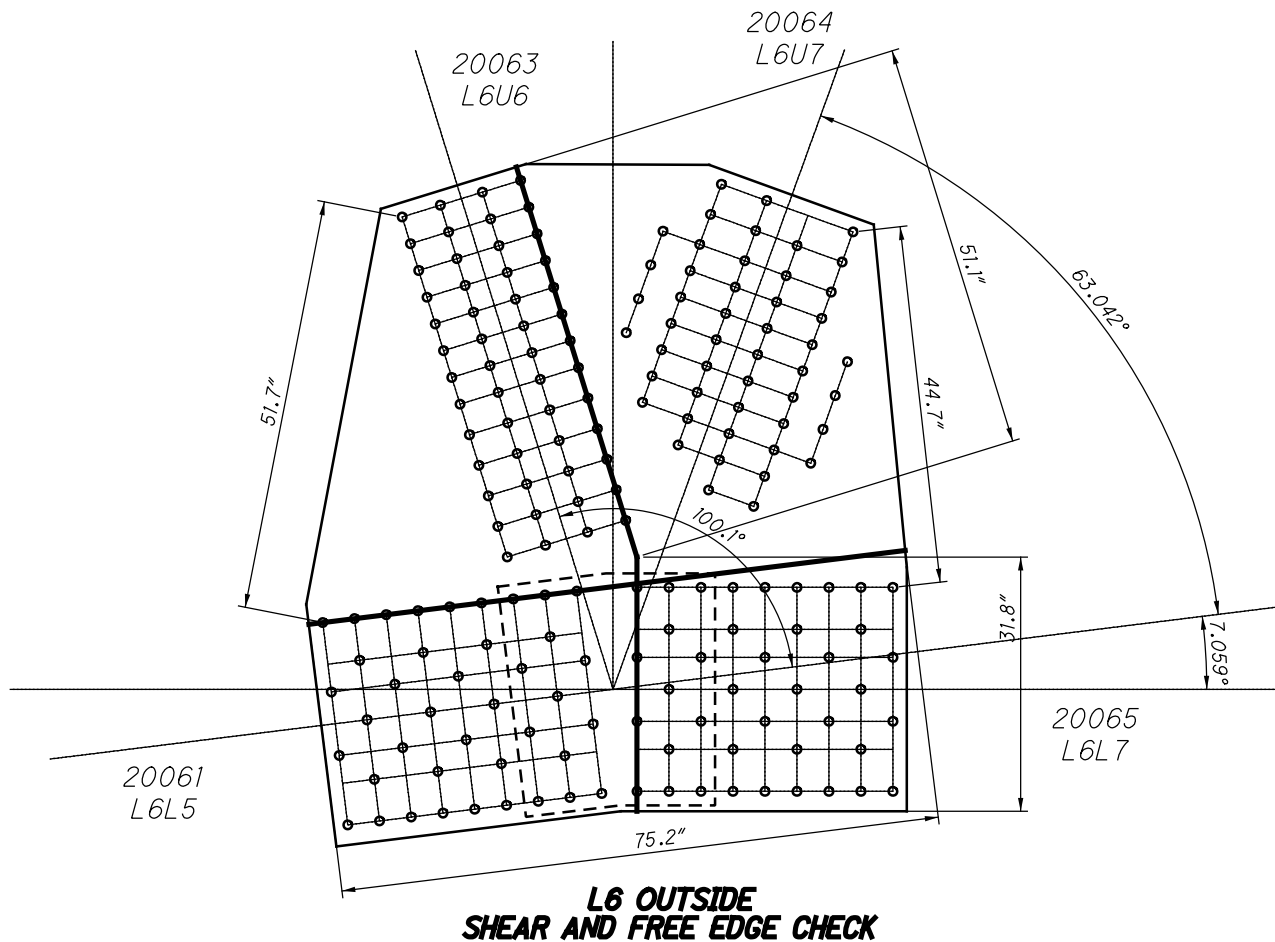
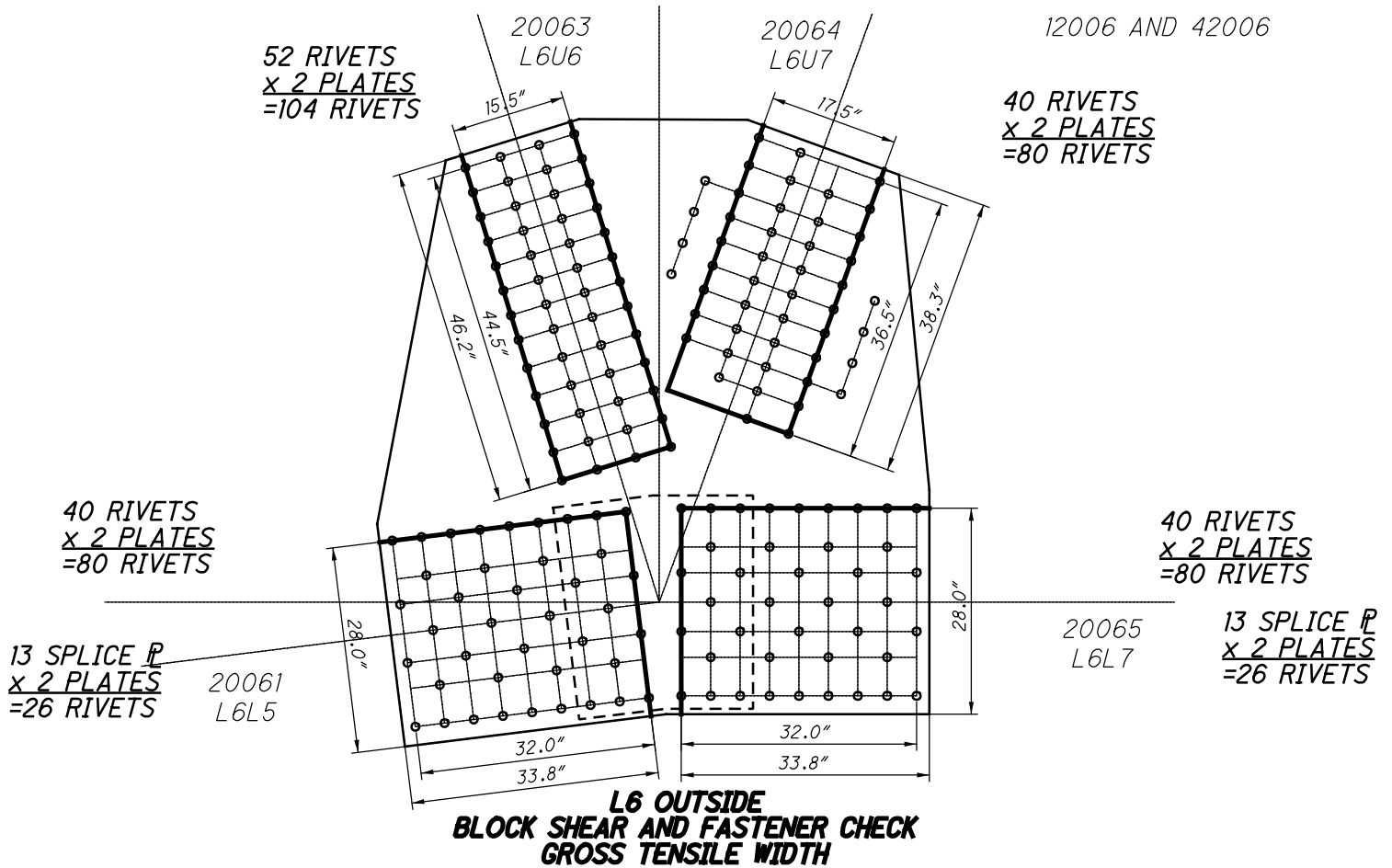
**L6 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

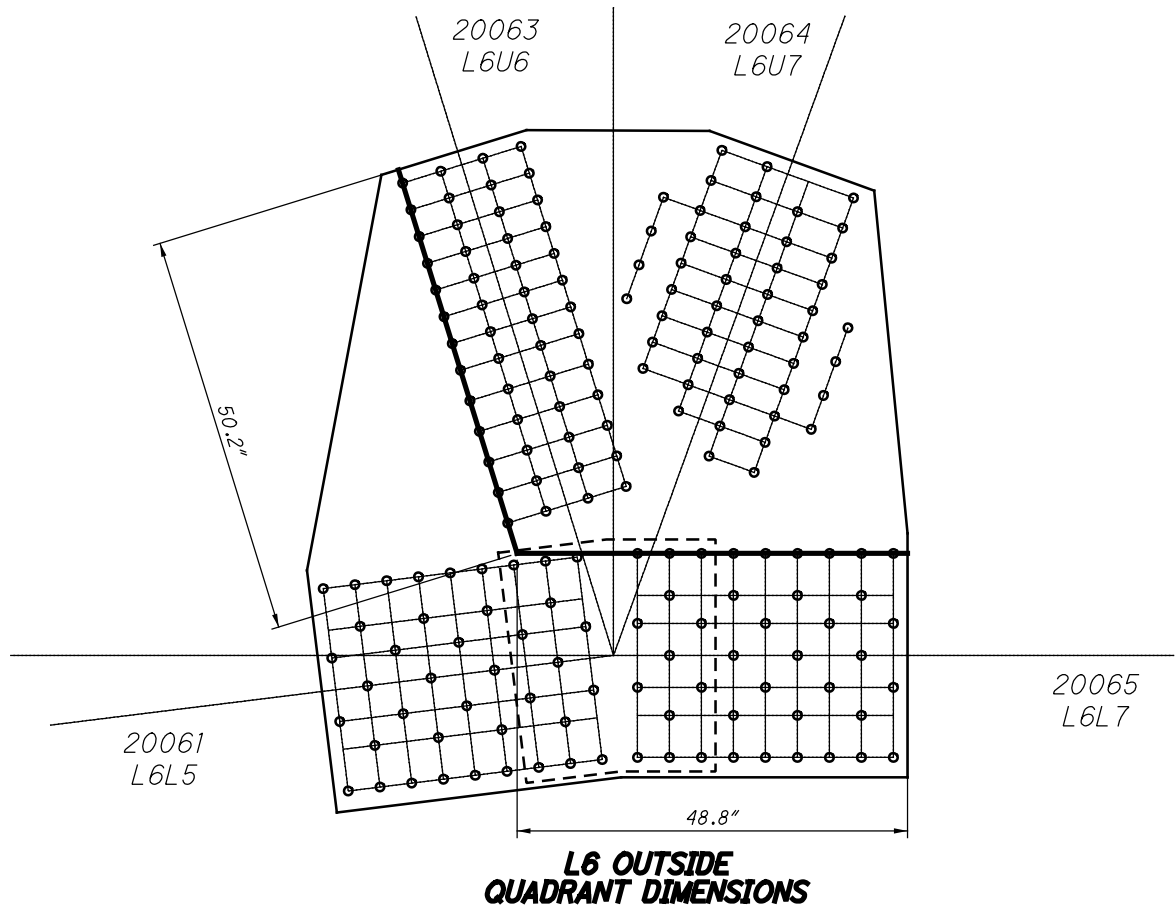


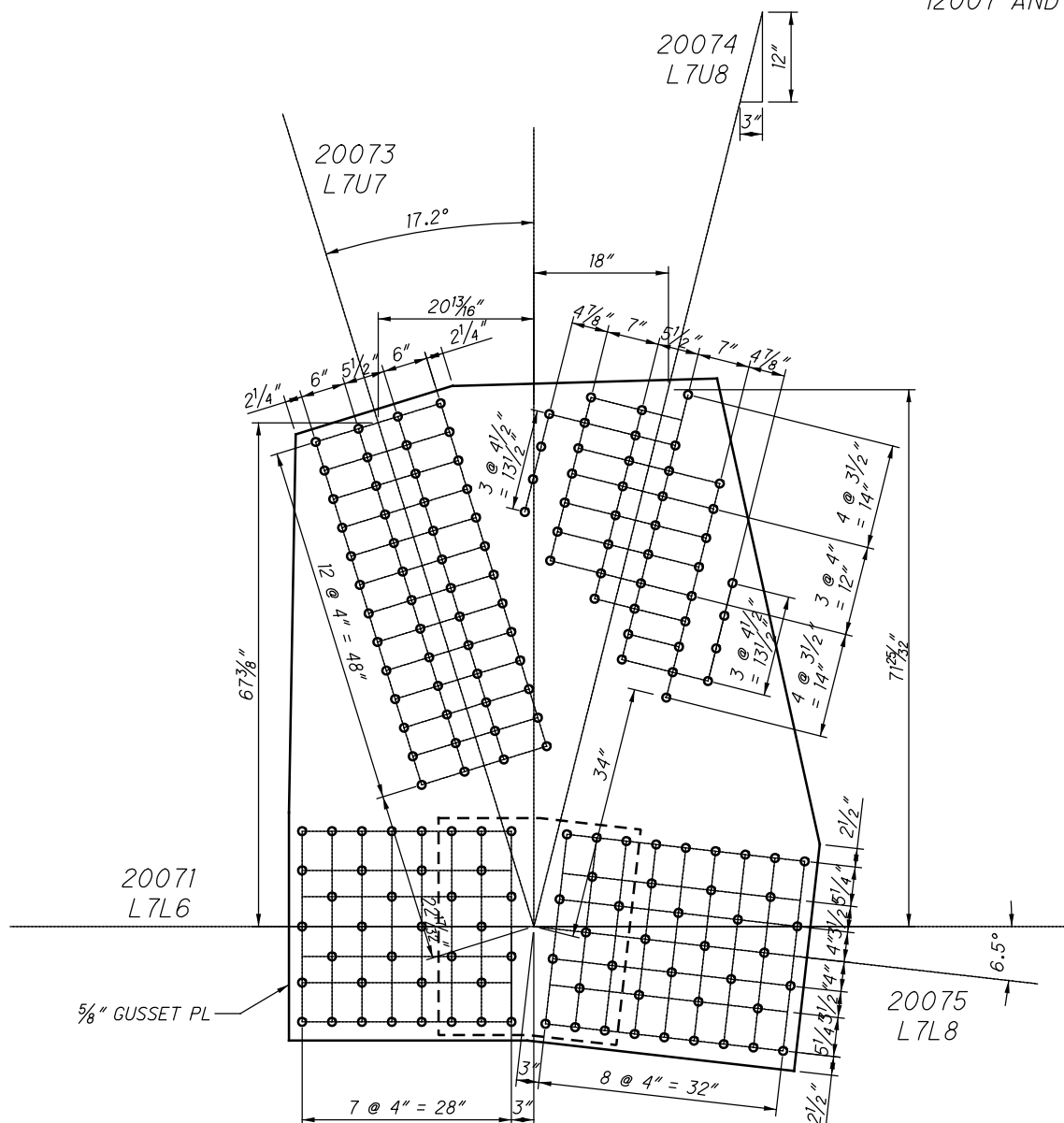
**L6 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L6 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

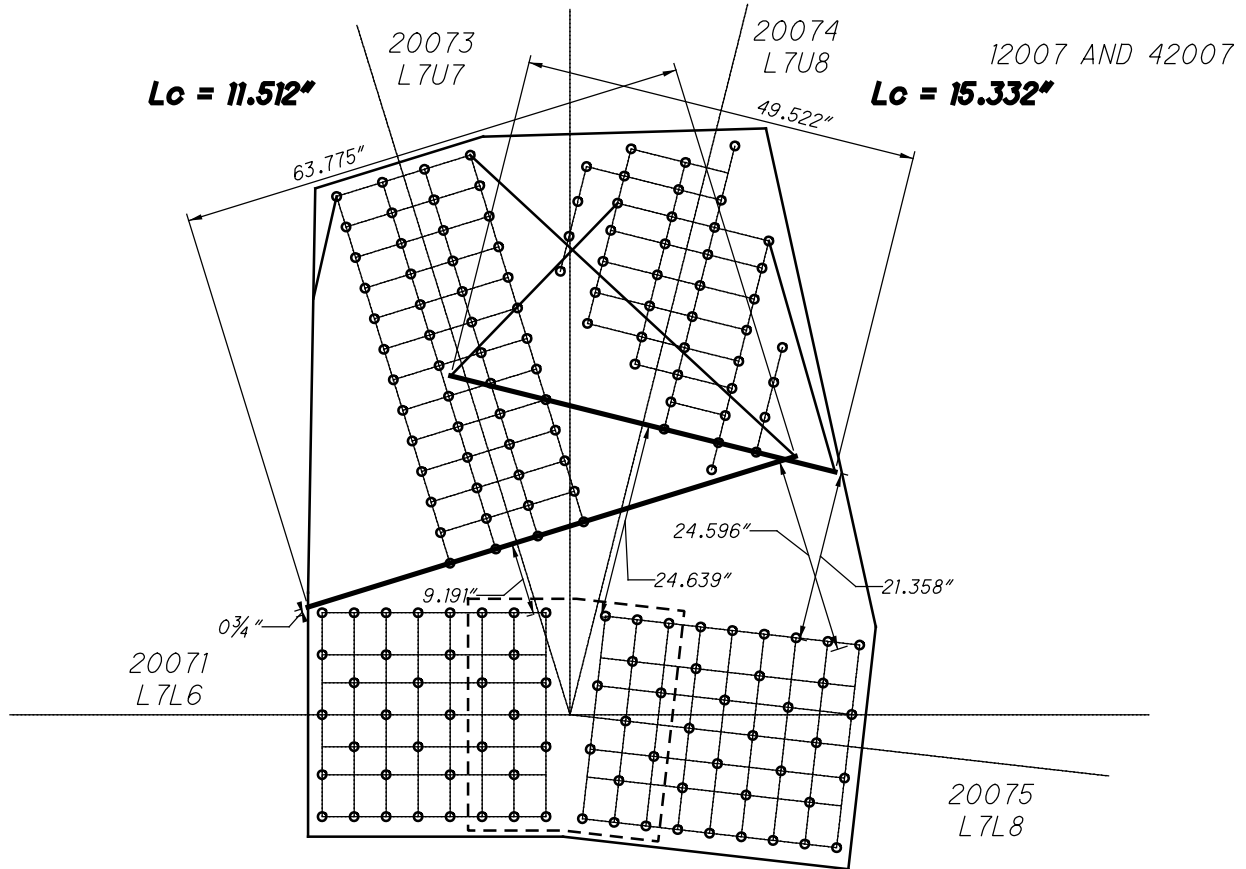




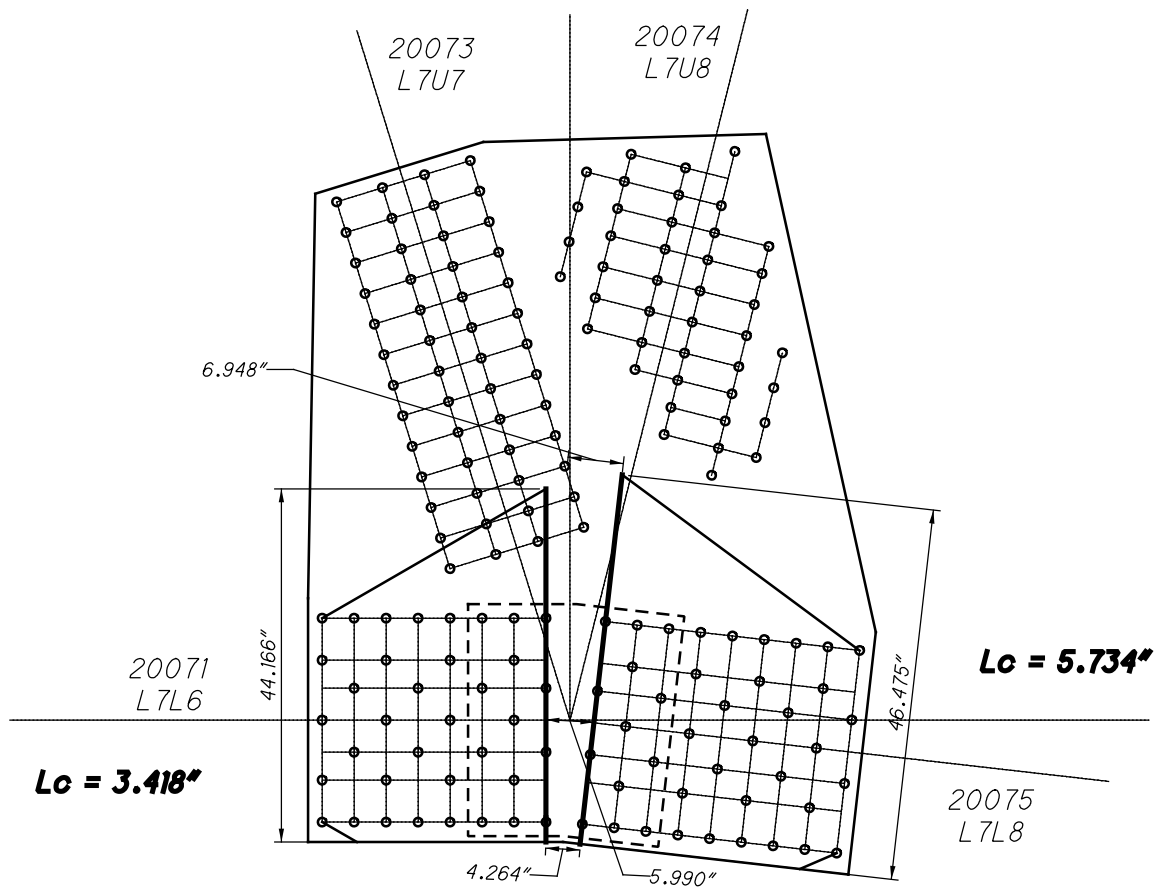


SPLICE PLATE
30" X 7/16" X 2'-3"

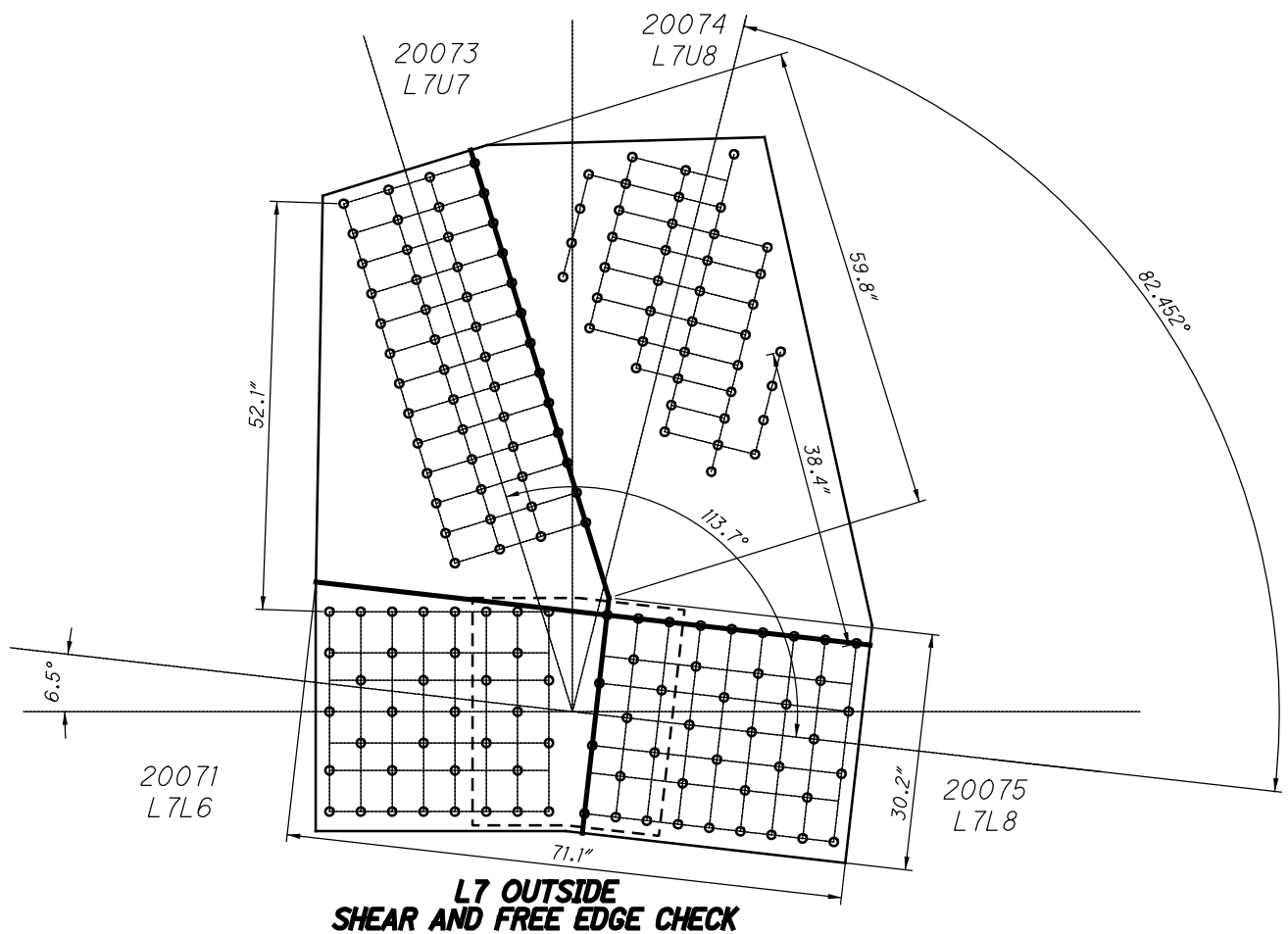
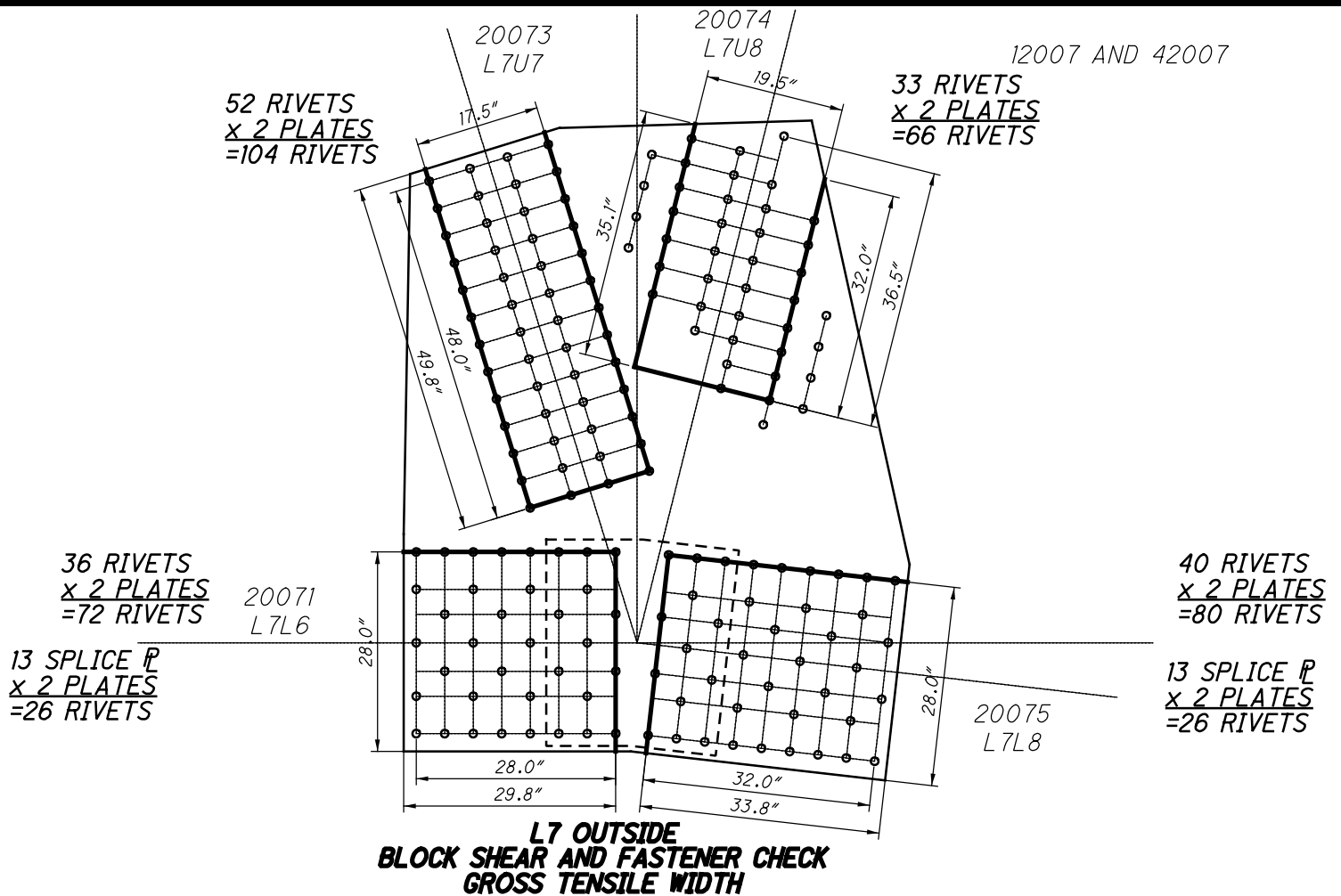
**L7 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

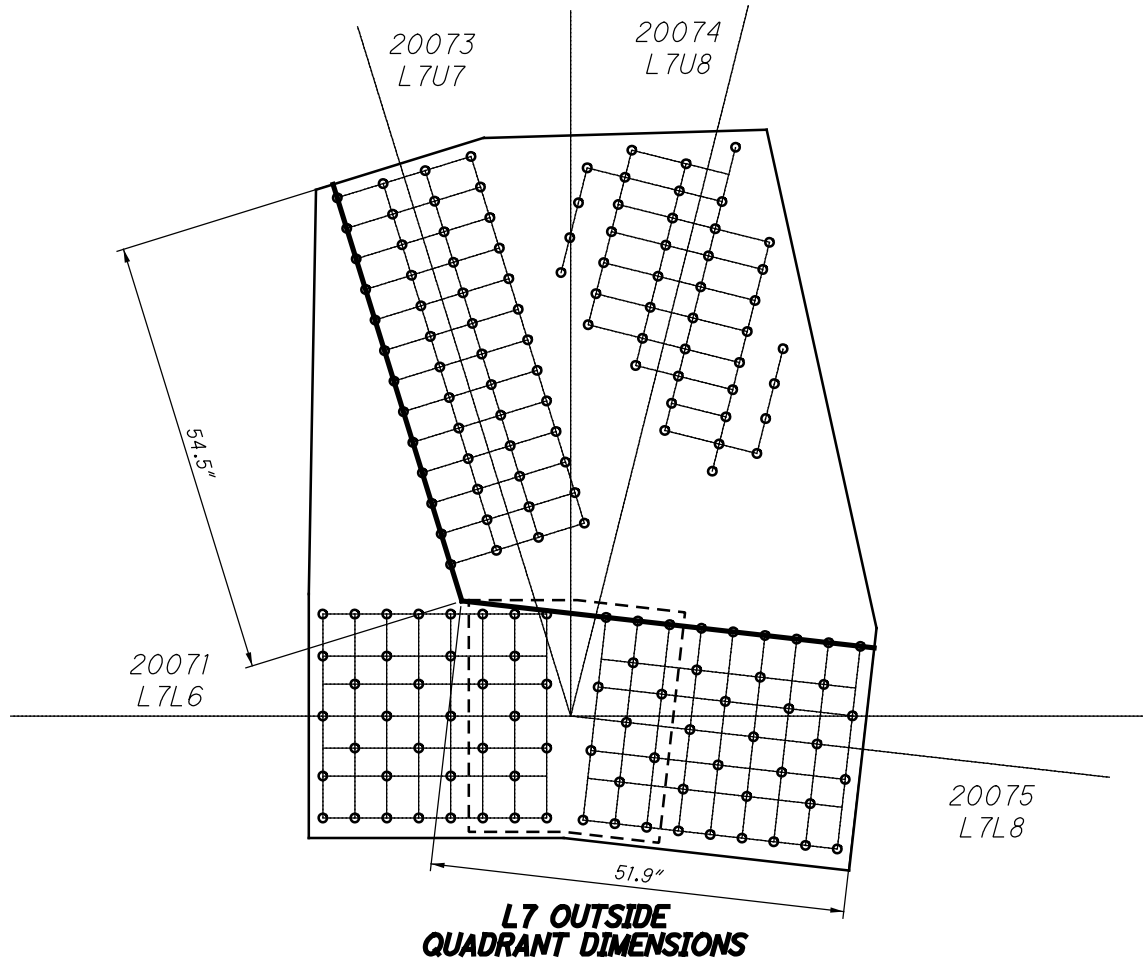


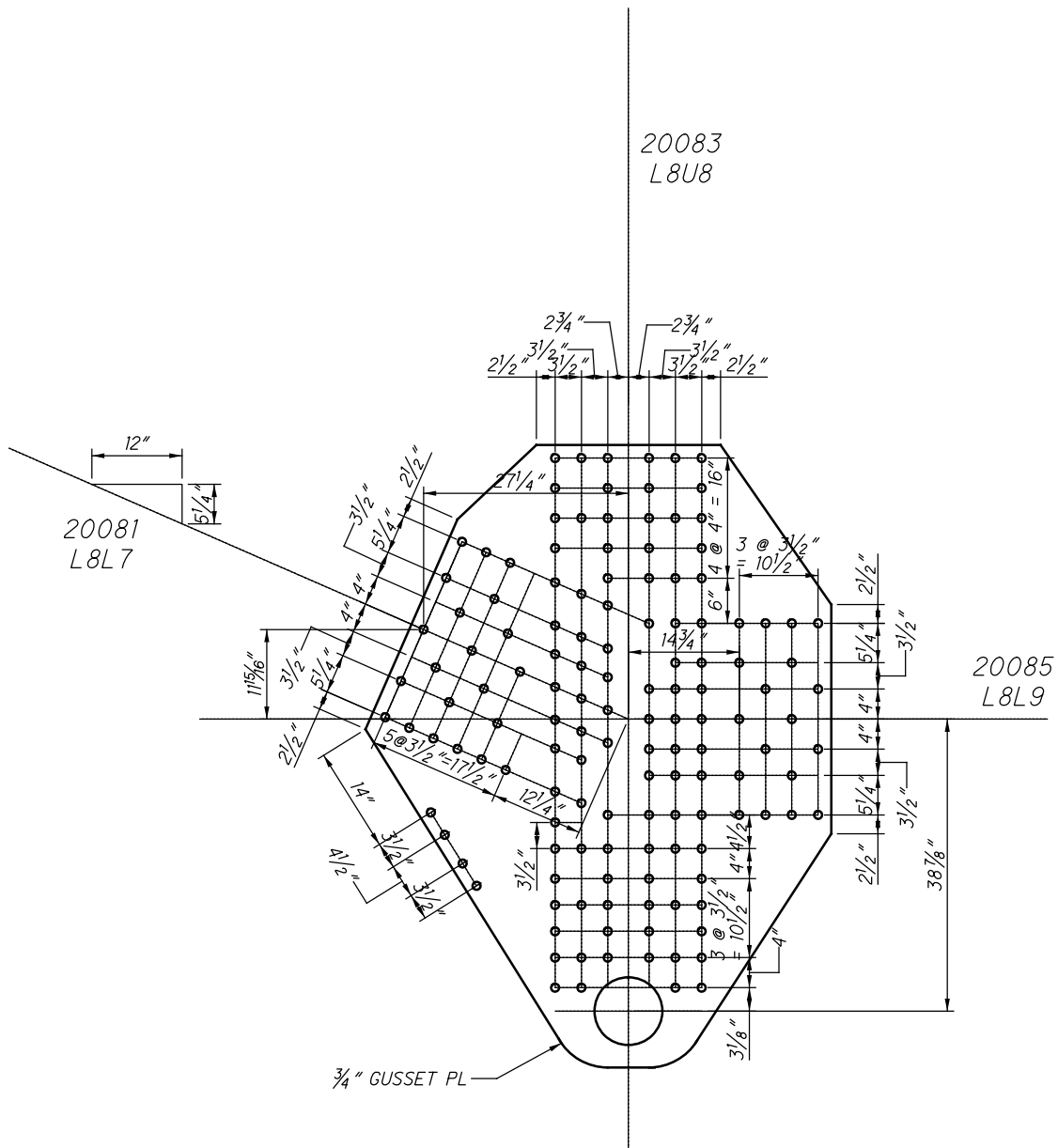
**L7 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L7 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**







**L8 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

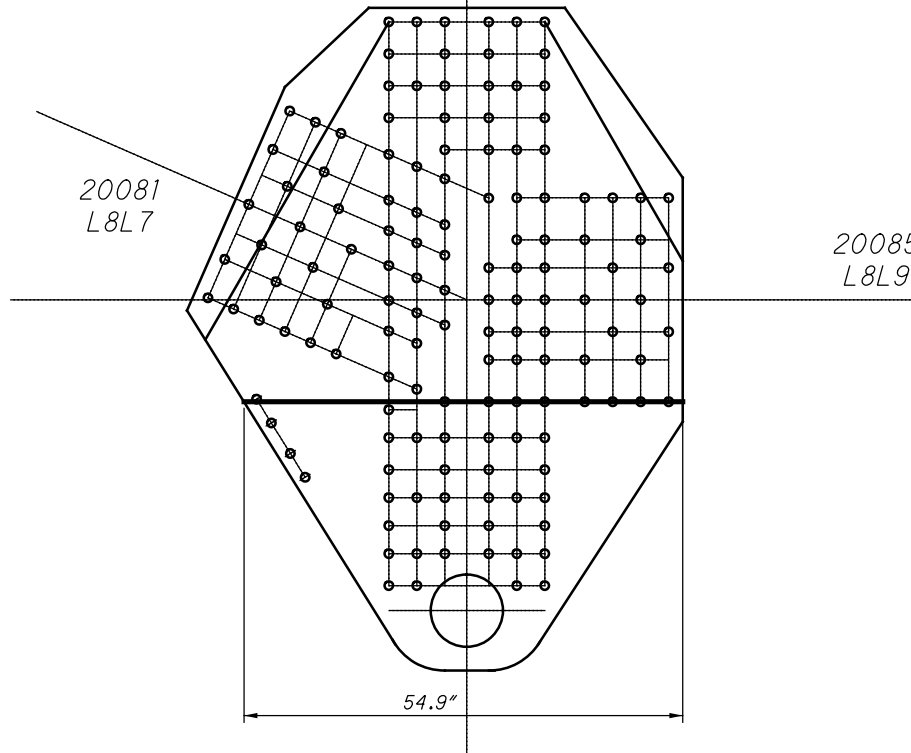
$L_c = 0.000''$

12008 AND 42008

20083
L8U8

20081
L8L7

20085
L8L9



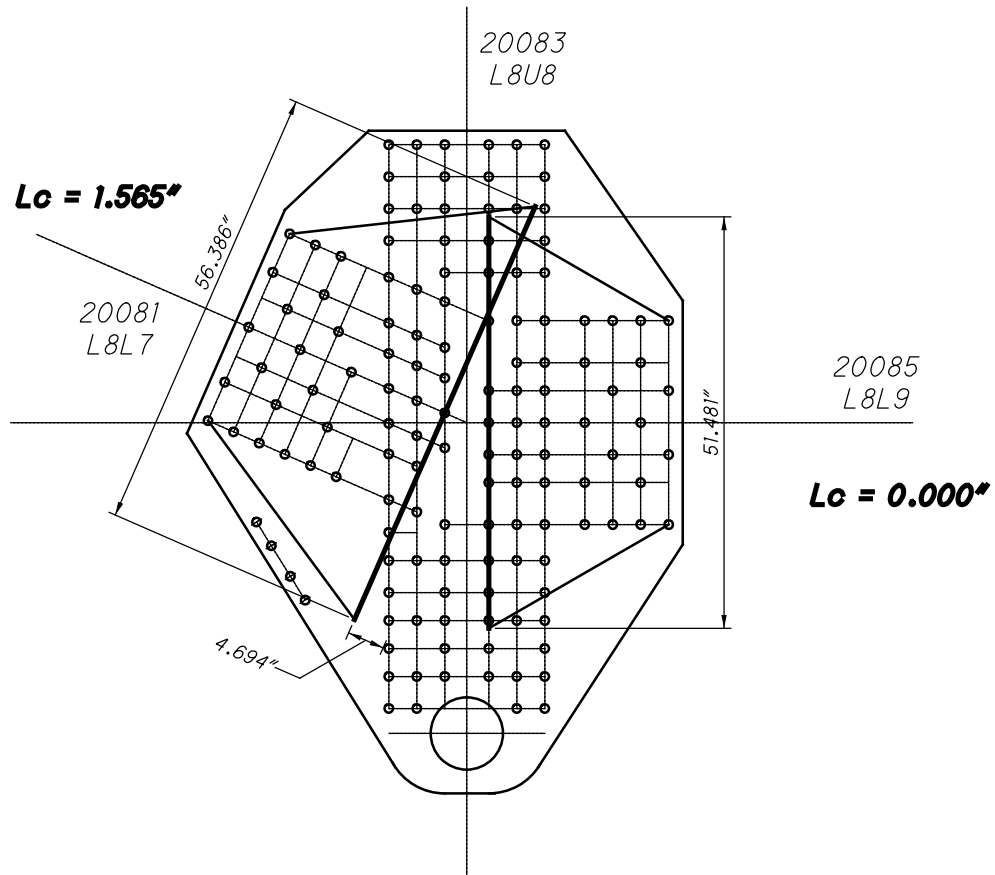
**L8 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20083
L8U8

$L_c = 1.565''$

20081
L8L7

20085
L8L9



**L8 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

41 RIVETS
 $\times 2 \text{ PLATES}$
 =82 RIVETS

20081
 L8L7

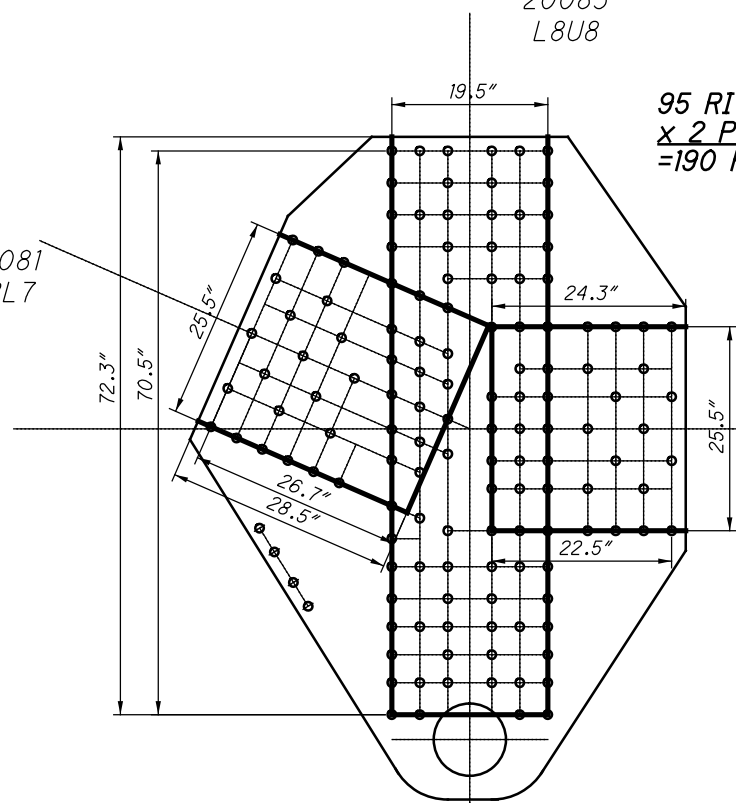
20083
 L8U8

12008 AND 42008

95 RIVETS
 $\times 2 \text{ PLATES}$
 =190 RIVETS

20085
 L8L9

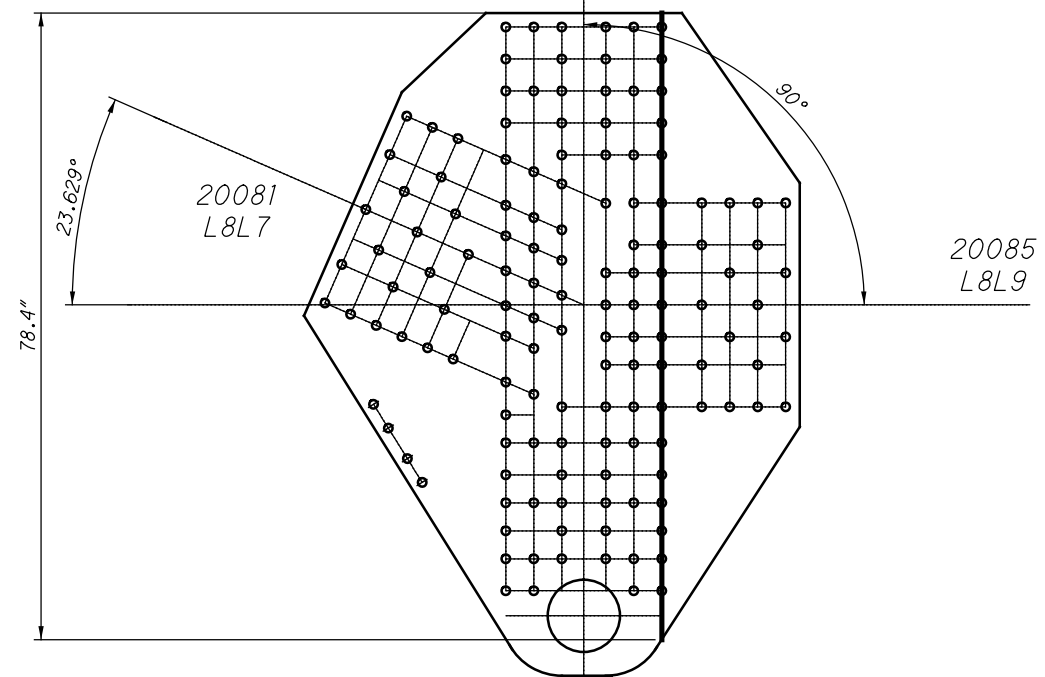
38 RIVETS
 $\times 2 \text{ PLATES}$
 =76 RIVETS



**L8 OUTSIDE
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

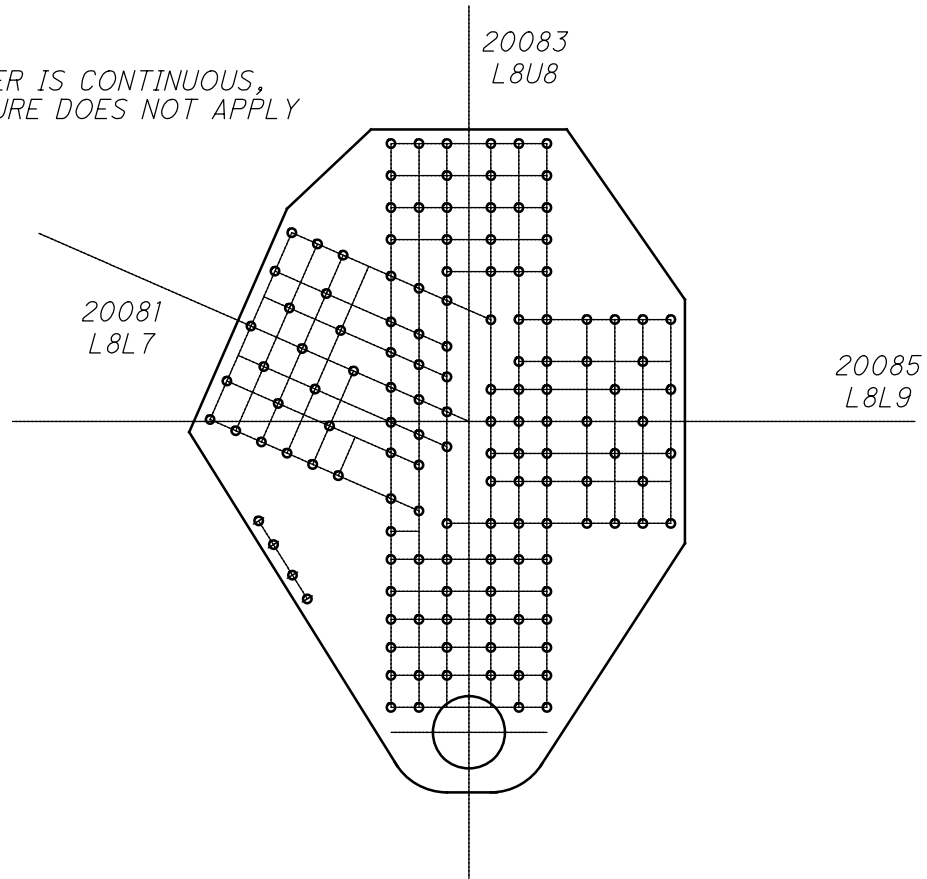
20083
 L8U8

VERTICAL MEMBER IS CONTINUOUS,
 SHEAR DOES NOT APPLY

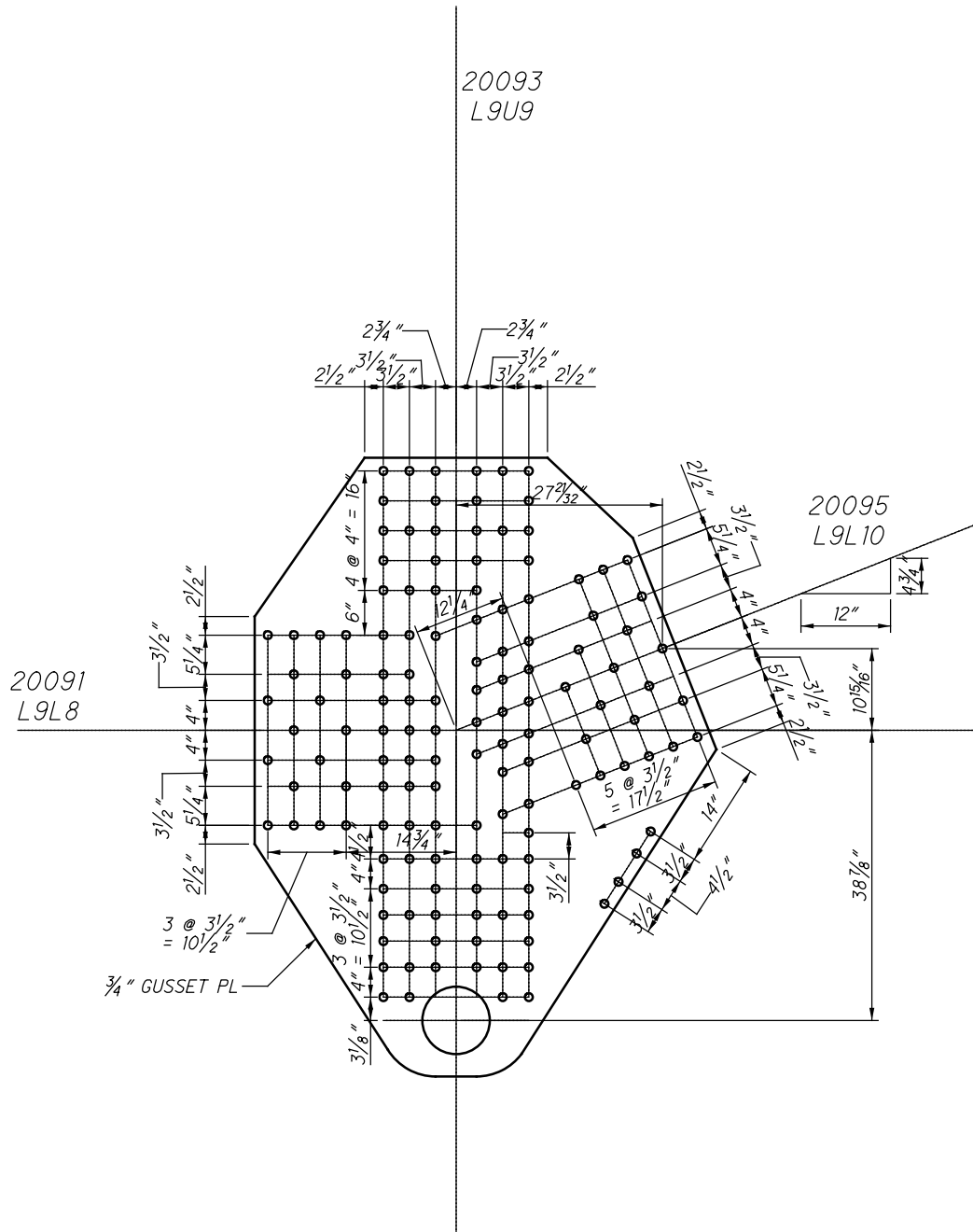


**L8 OUTSIDE
 SHEAR AND FREE EDGE CHECK**

VERTICAL MEMBER IS CONTINUOUS,
QUADRANT FAILURE DOES NOT APPLY



**L8 OUTSIDE
QUADRANT DIMENSIONS**

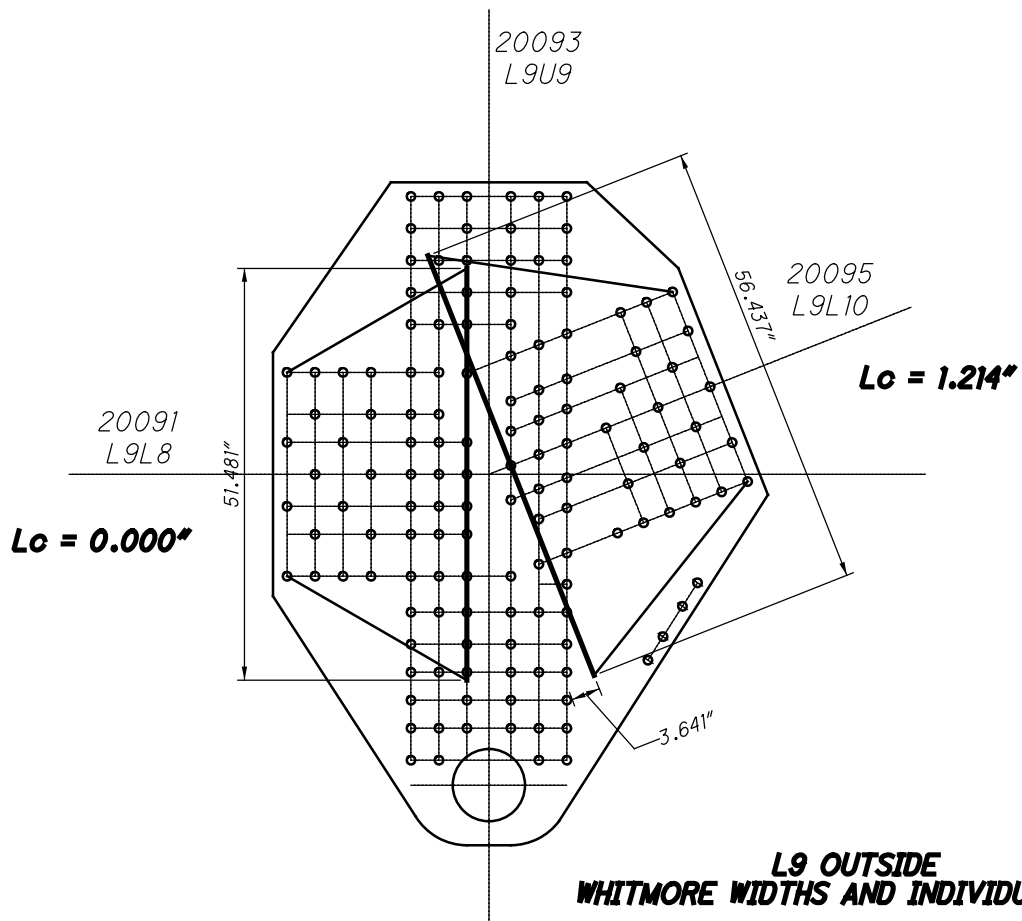
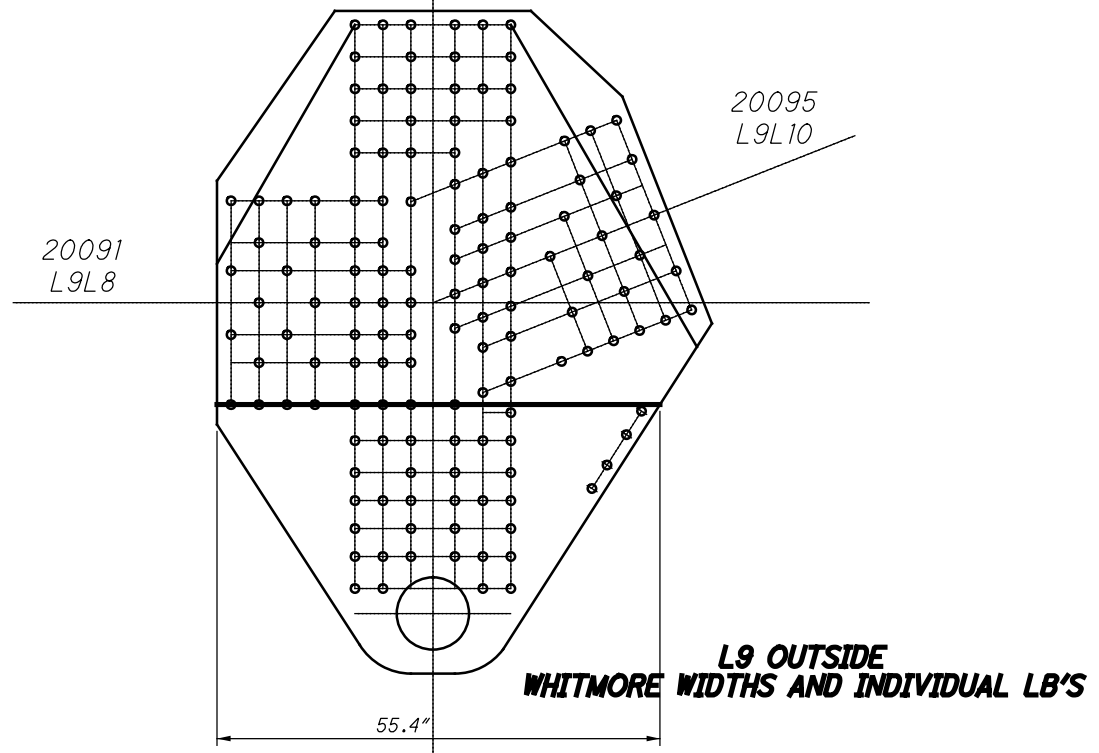


**L9 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

$L_c = 0.000''$

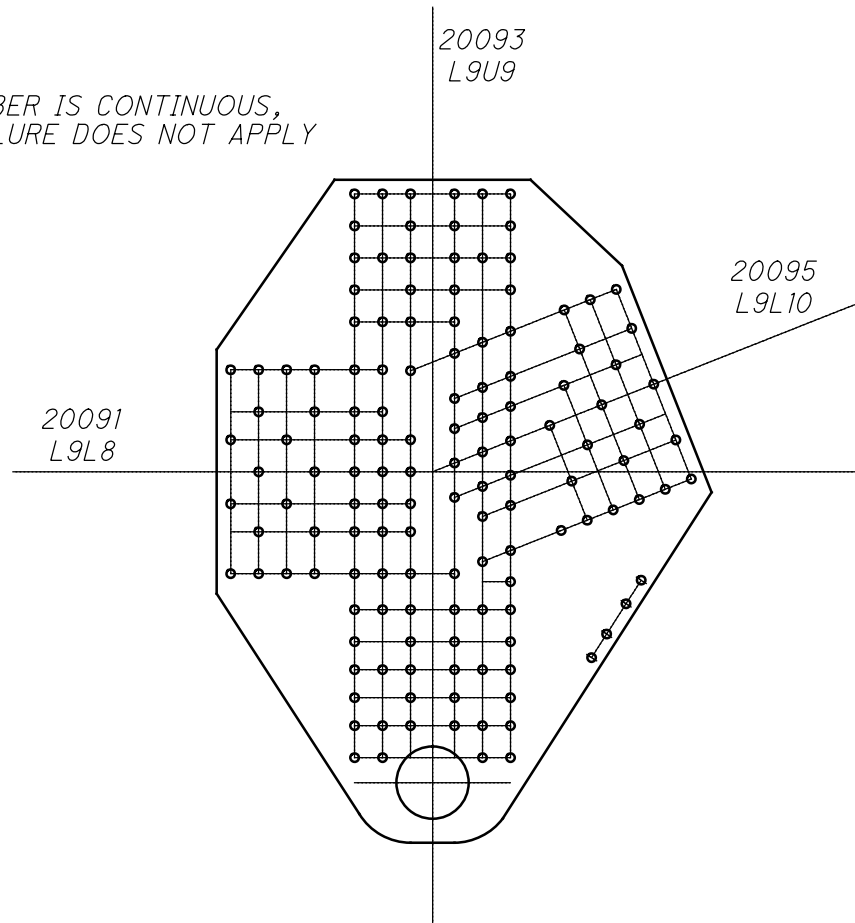
20093
L9U9

12009 AND 42009



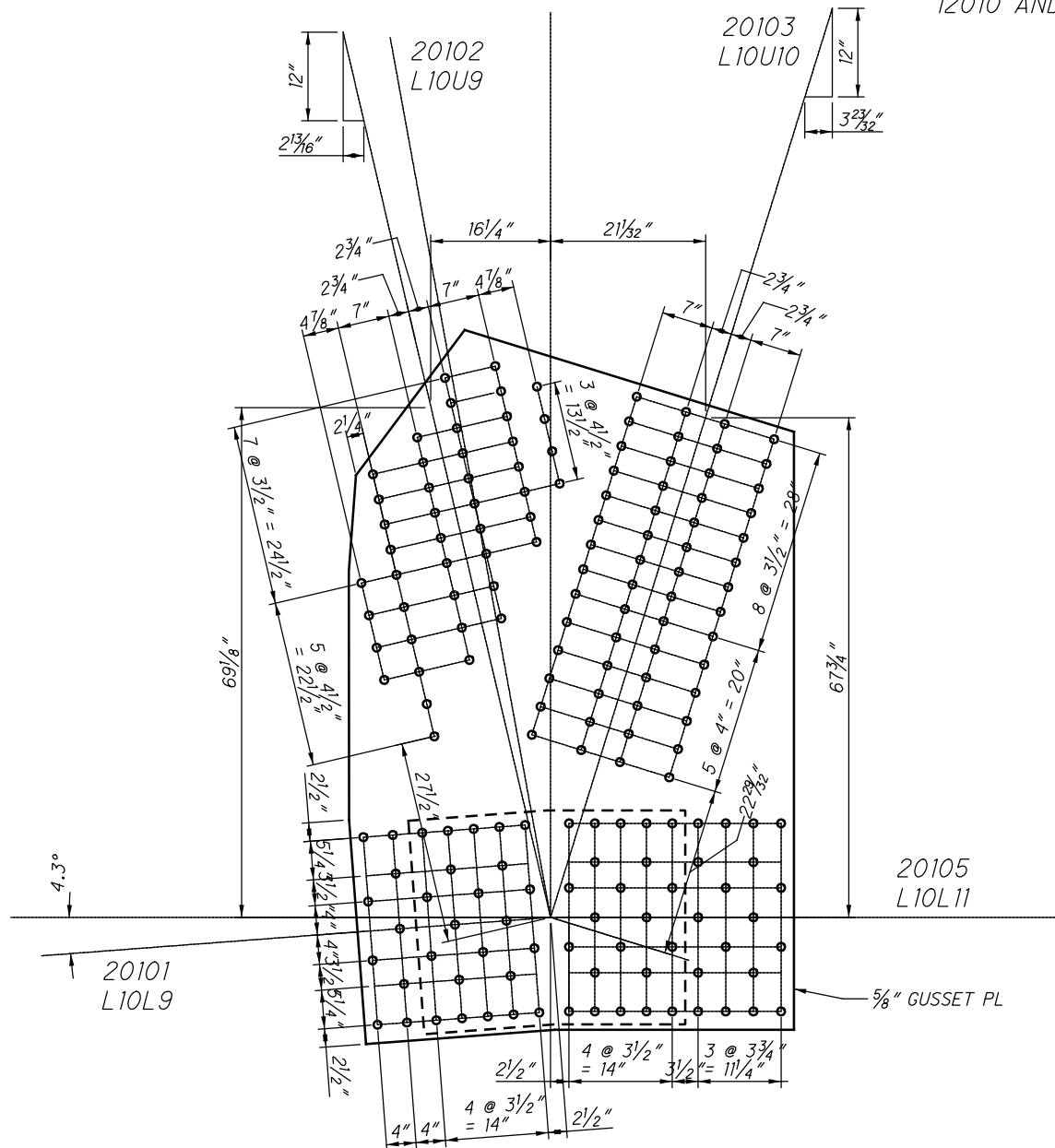


VERTICAL MEMBER IS CONTINUOUS,
QUADRANT FAILURE DOES NOT APPLY

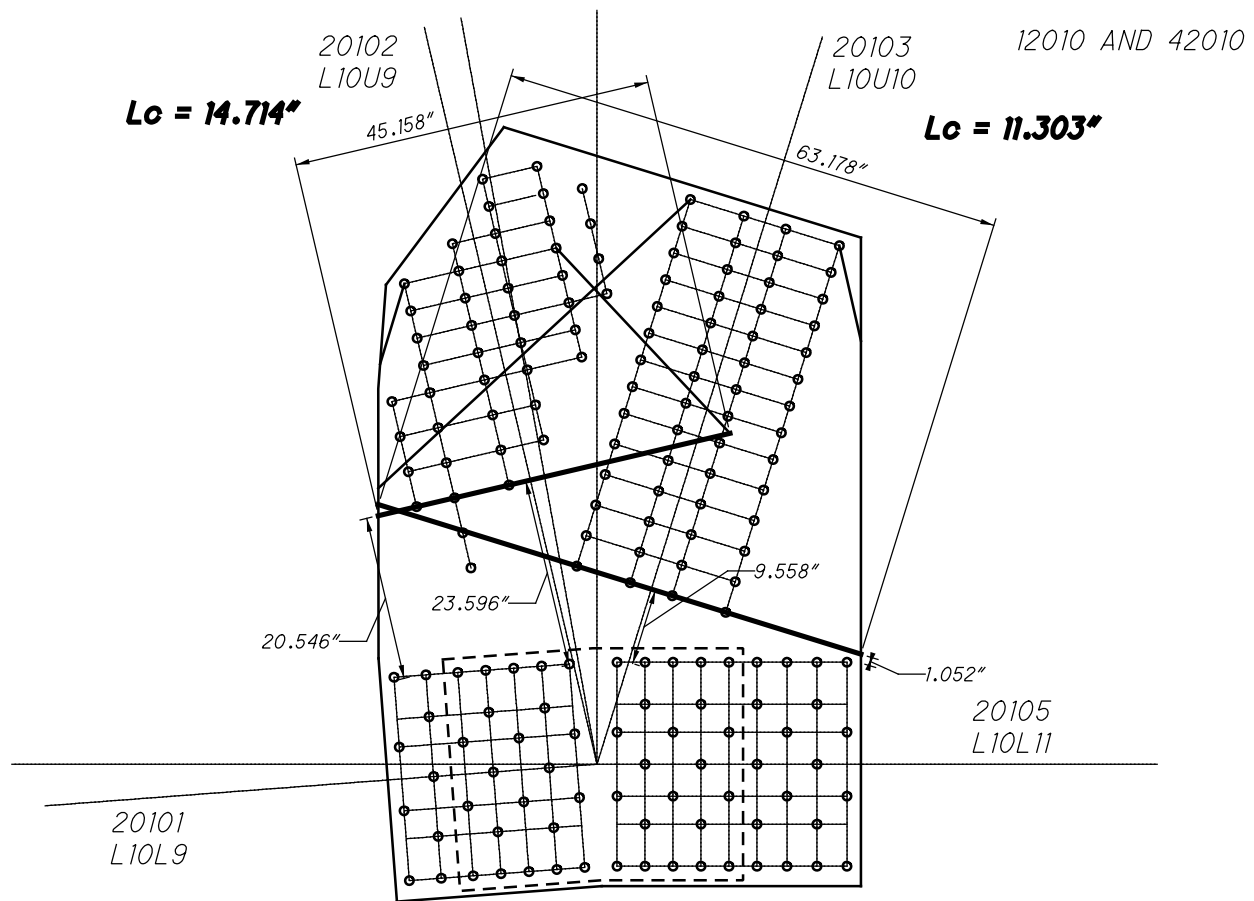


**L9 OUTSIDE
QUADRANT DIMENSIONS**

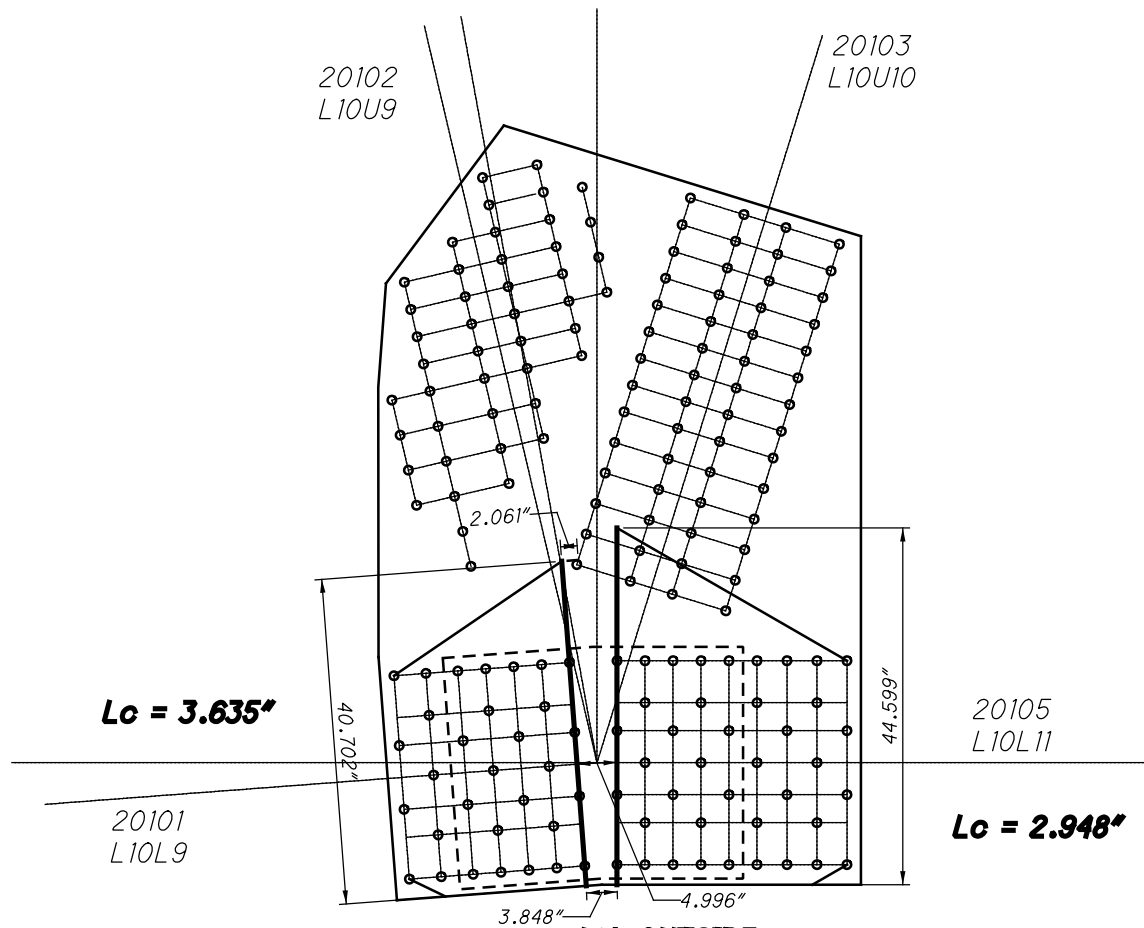
12010 AND 42010



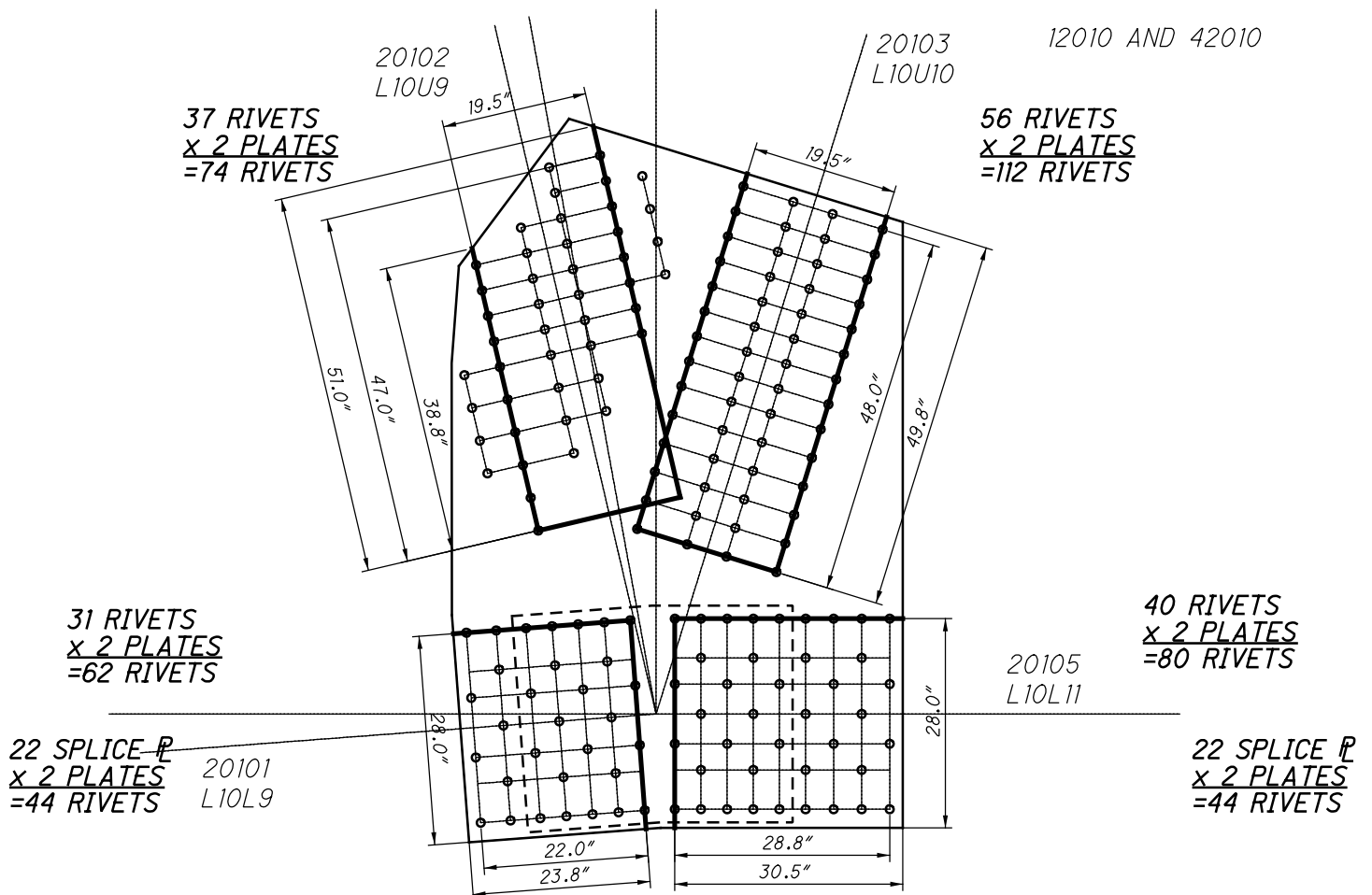
**L10 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



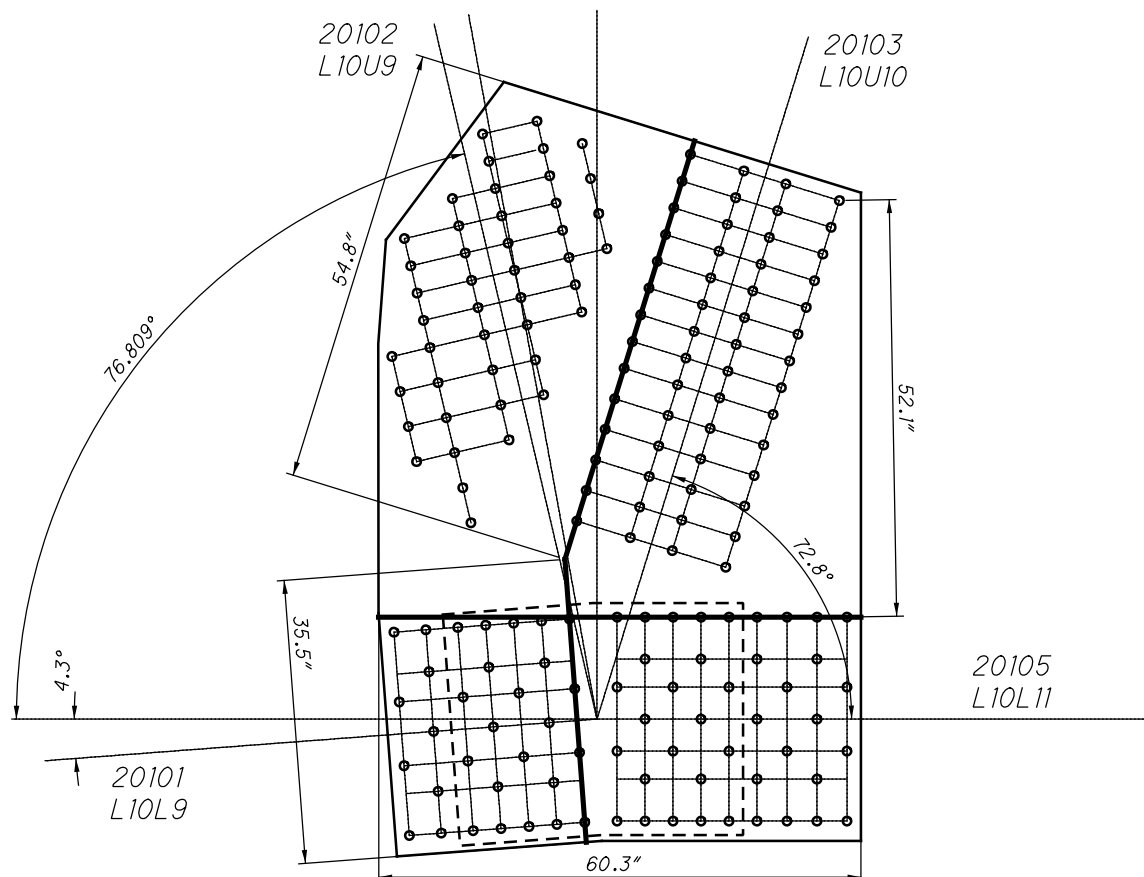
**L10 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



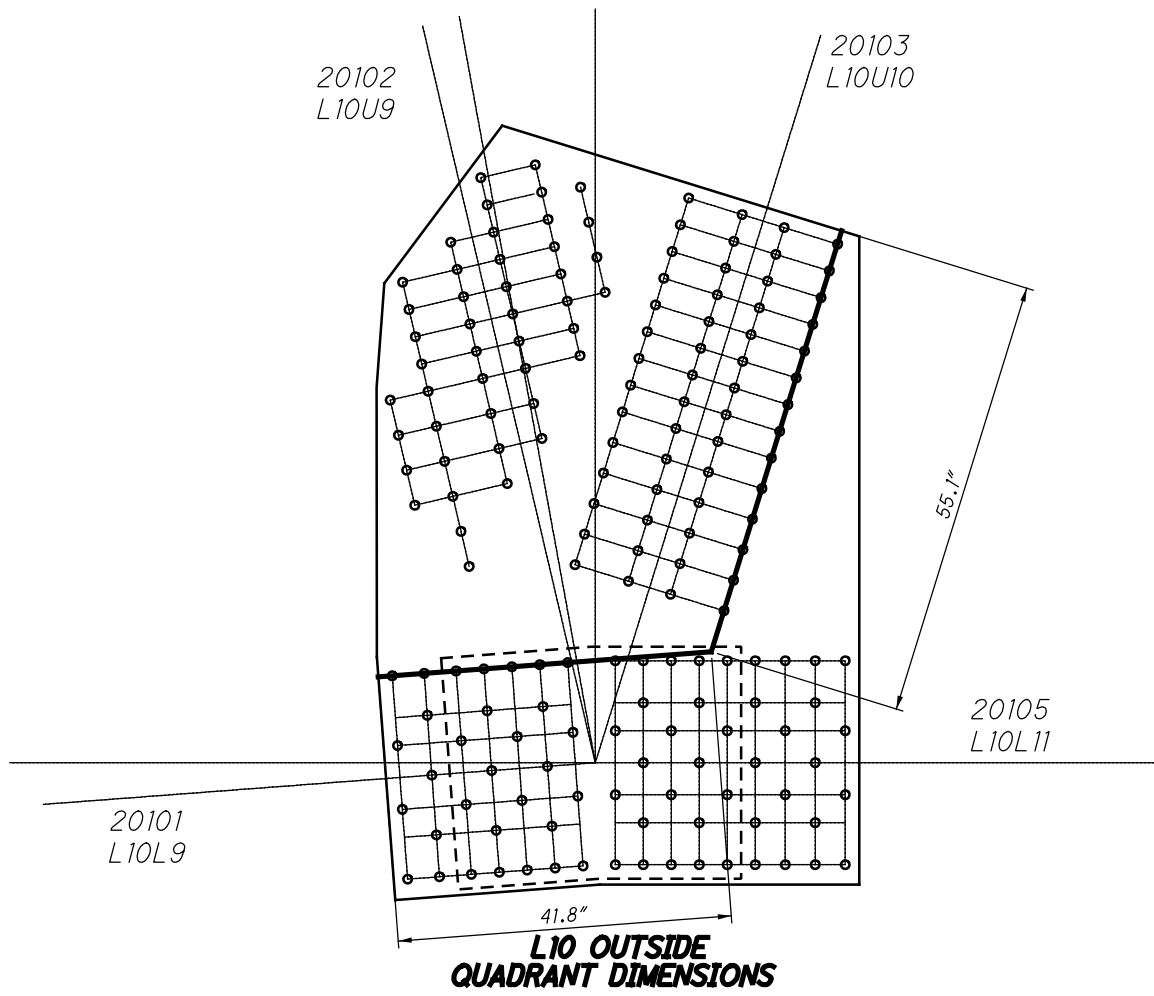
**L10 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



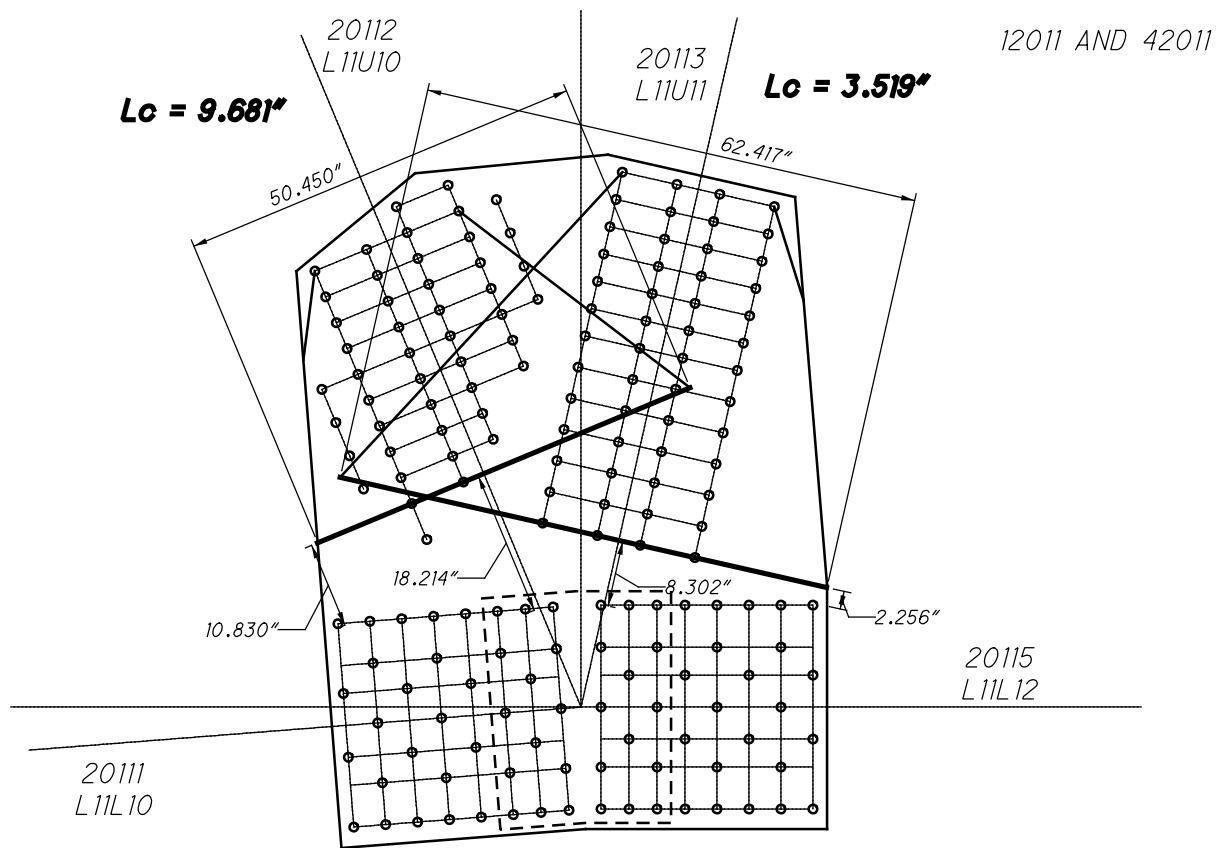
**L10 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



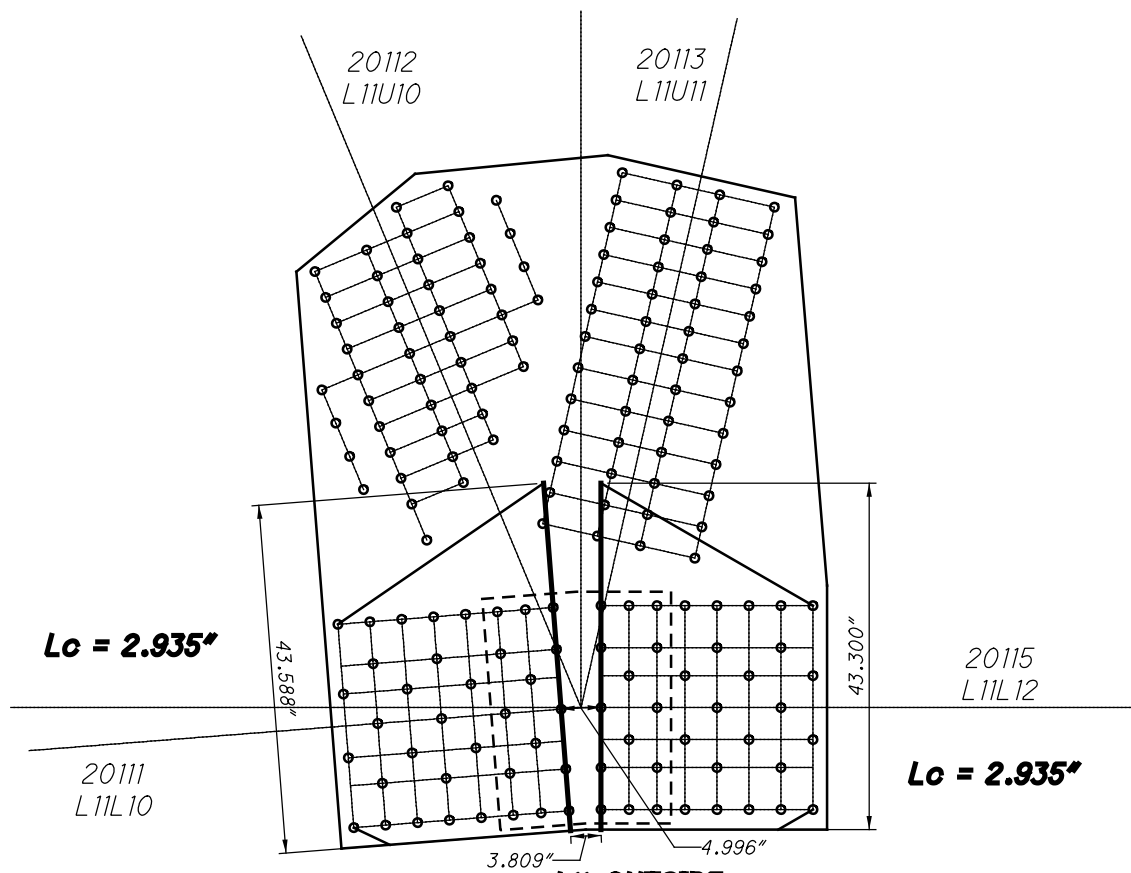
**L10 OUTSIDE
SHEAR AND FREE EDGE CHECK**



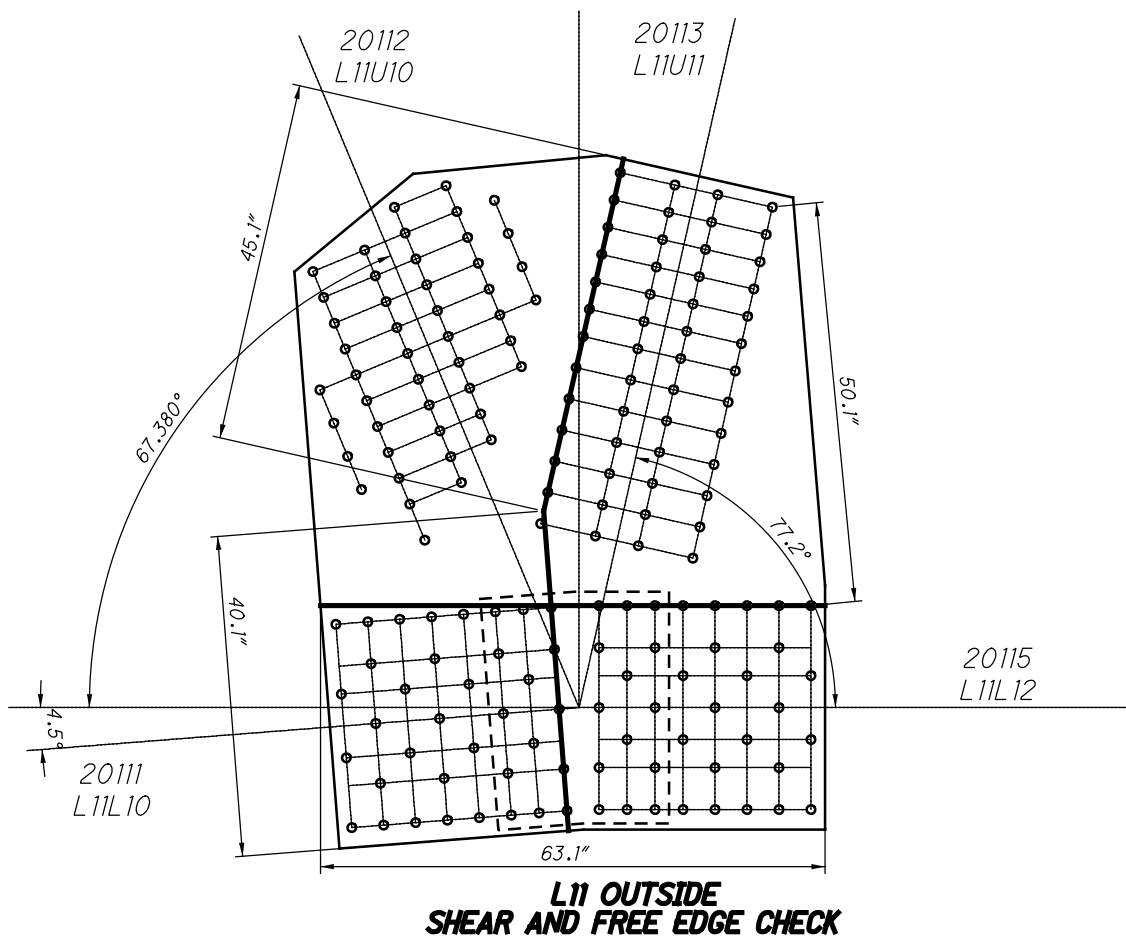
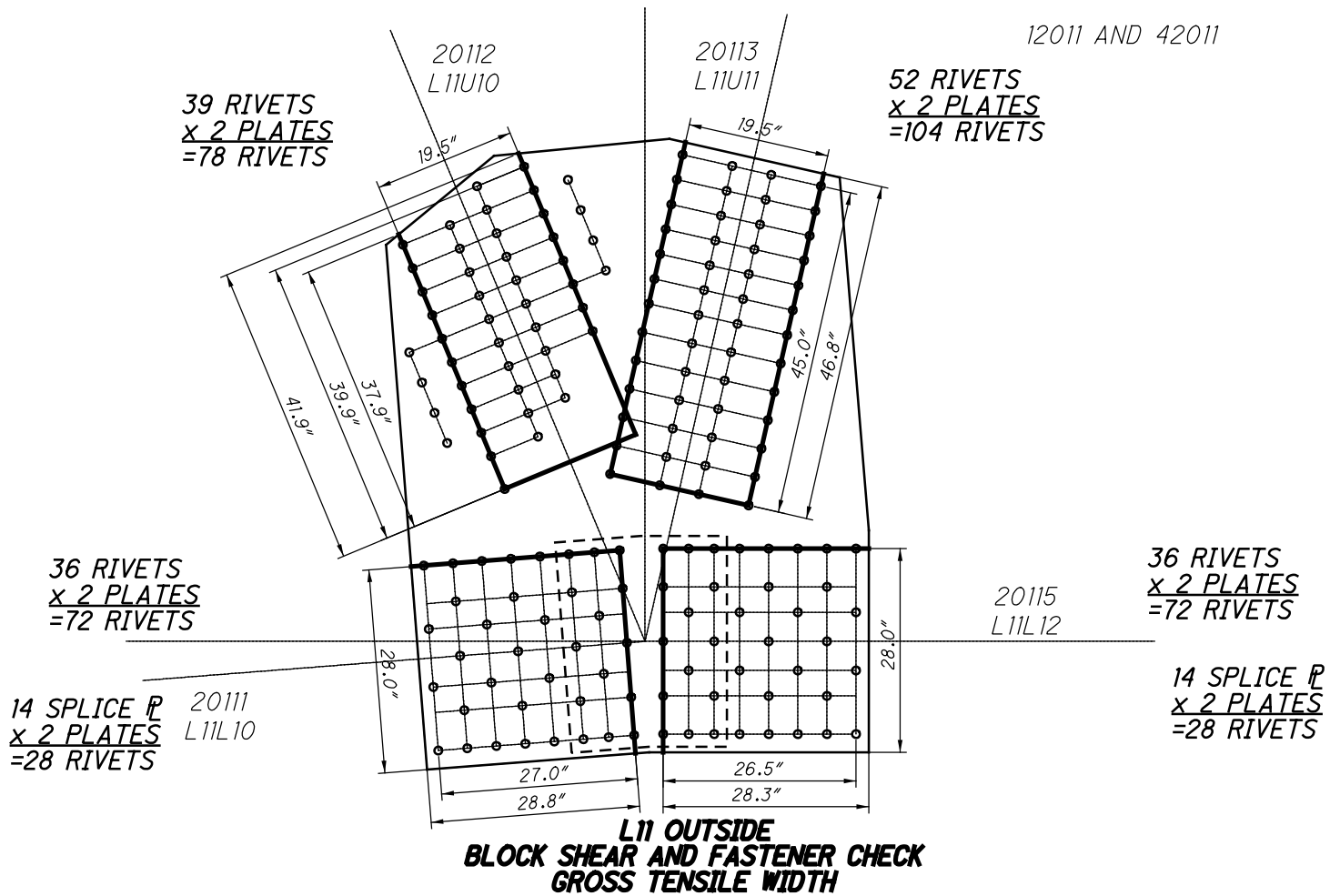
**L11 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

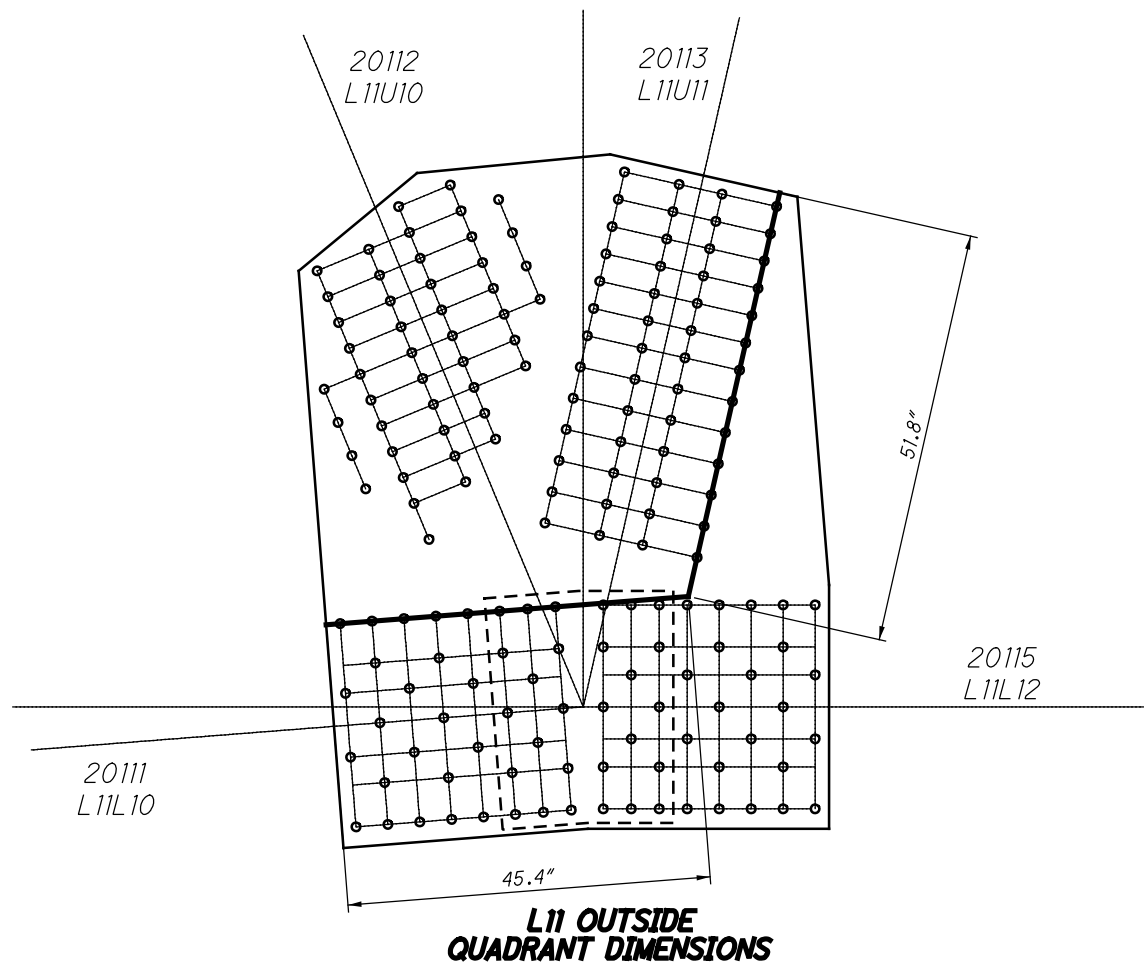


**L11 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L11 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**





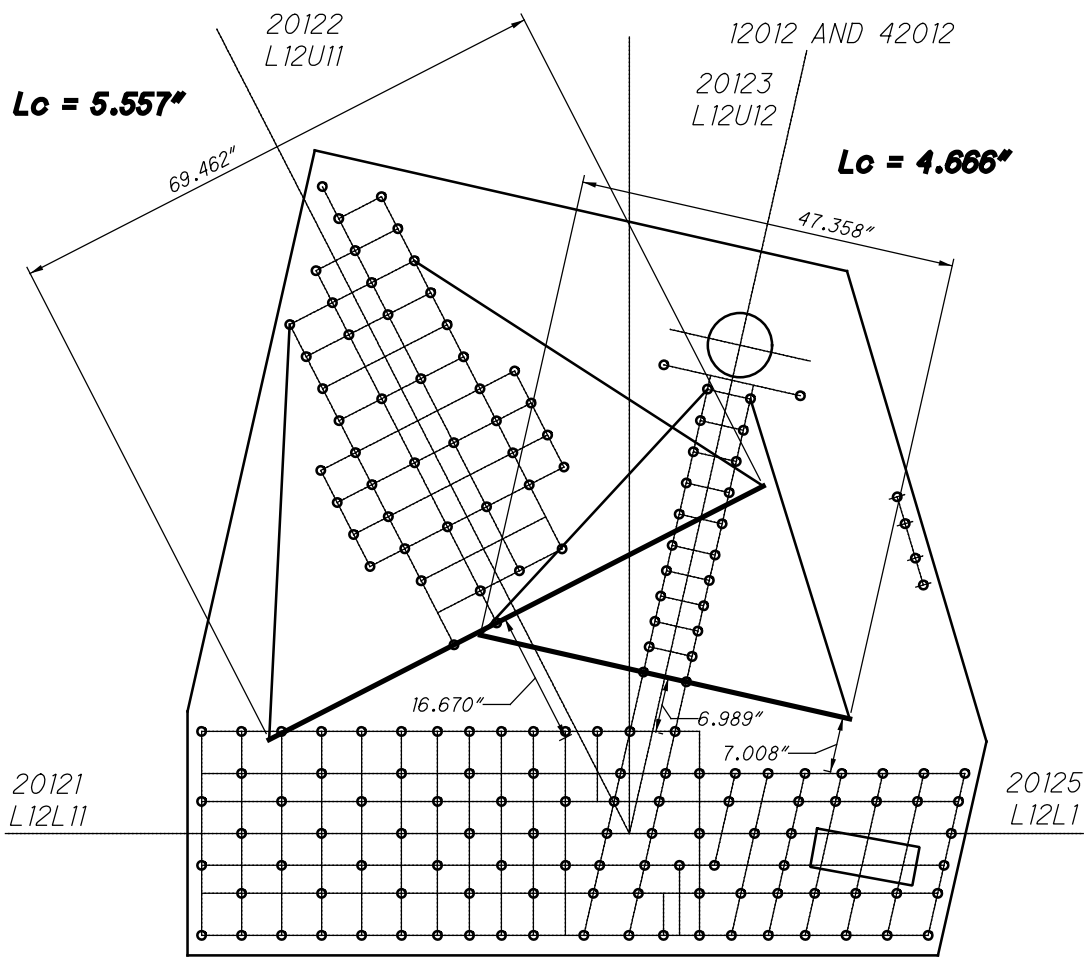
20122 L12U11

20123 L12U12

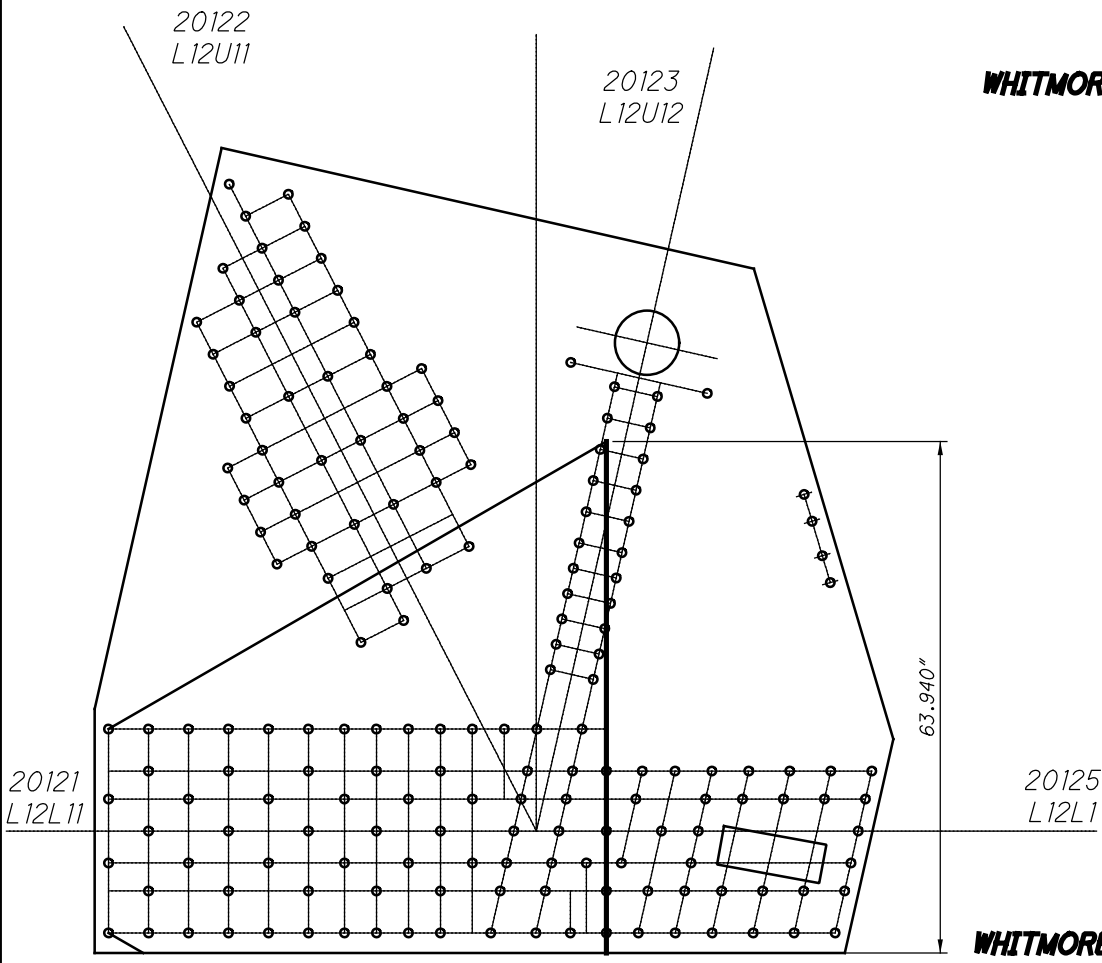
20125 L12L1

3/4" GUSSET PL

**L12 OUTSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



**L12 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L12 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 0.000"$

38 RIVETS
x 2 PLATES
=76 RIVETS

20122
L12U11

12012 AND 42012
20123
L12U12

48 RIVETS
x 2 PLATES
=96 RIVETS

70 RIVETS
x 2 PLATES
=140 RIVETS

20121
L12L11

20125
L12L1

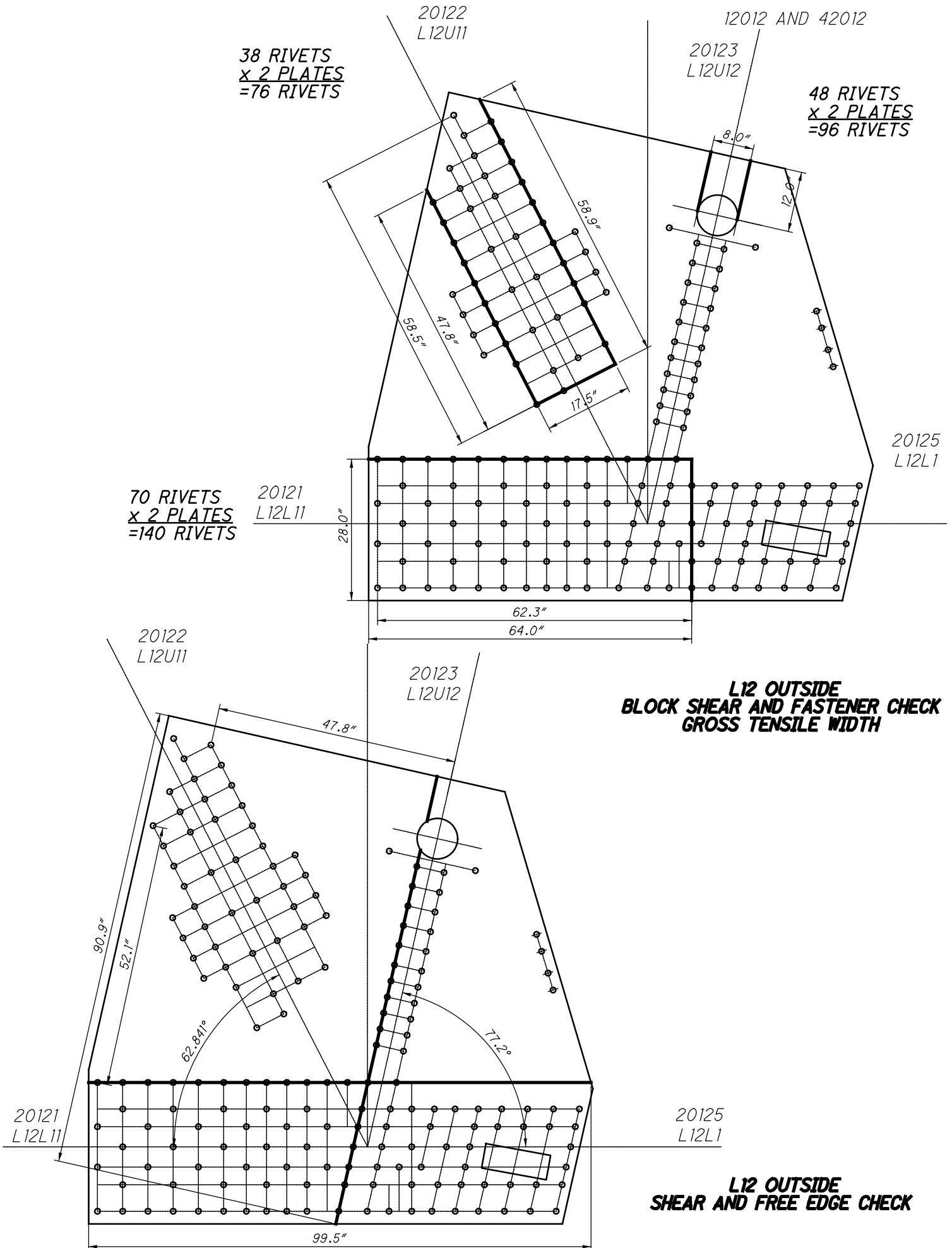
**L12 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

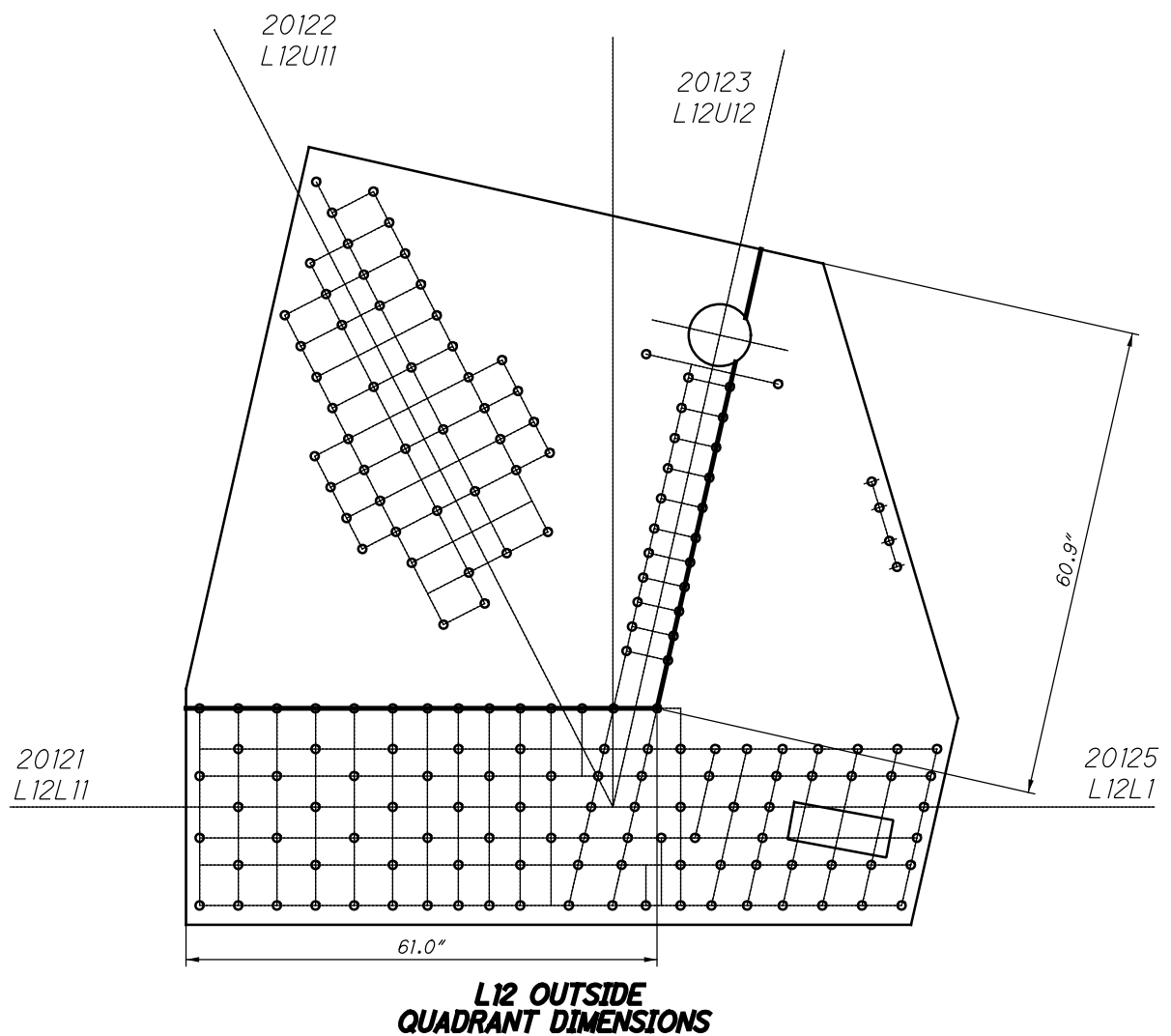
20123
L12U12

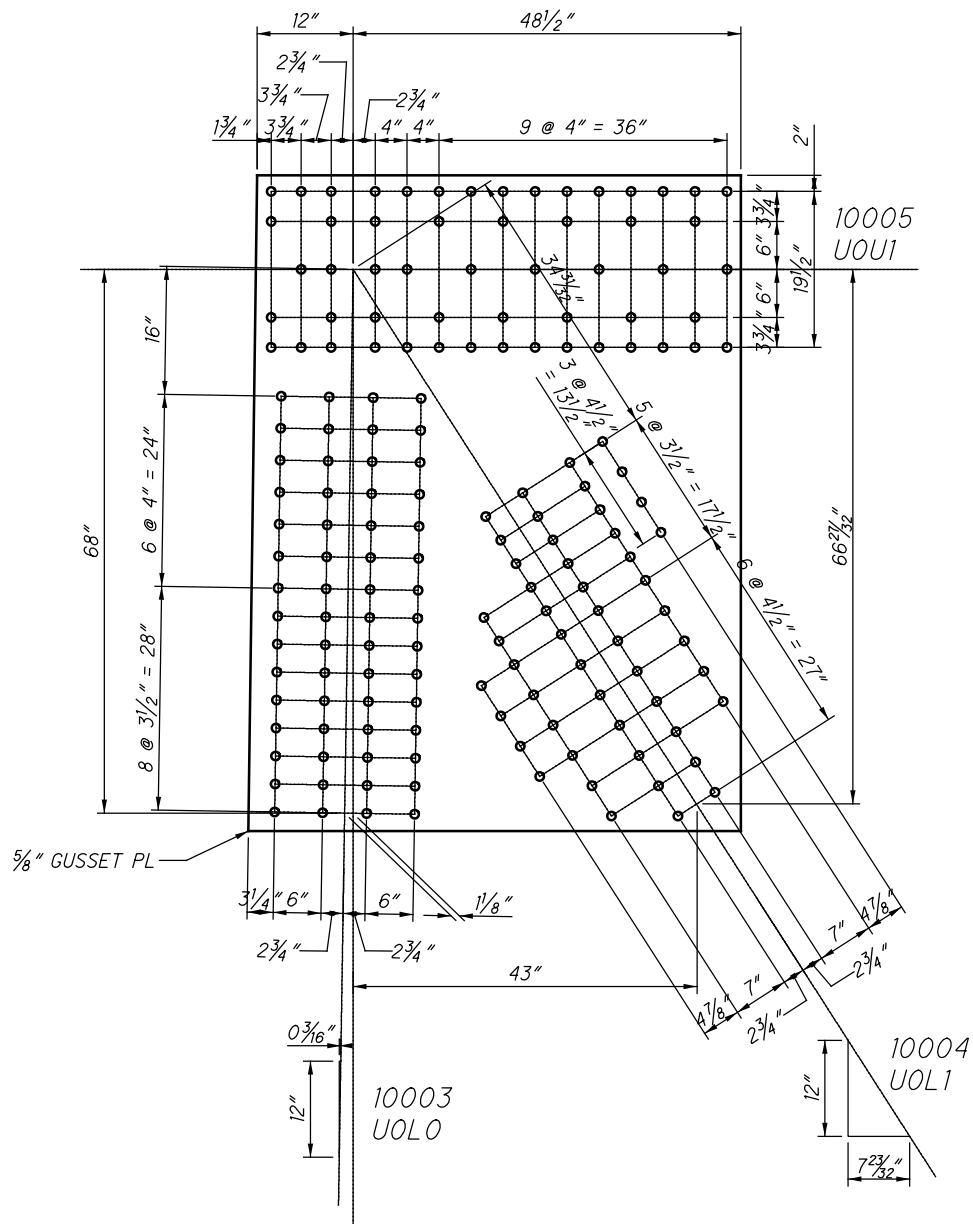
20121
L12L11

20125
L12L1

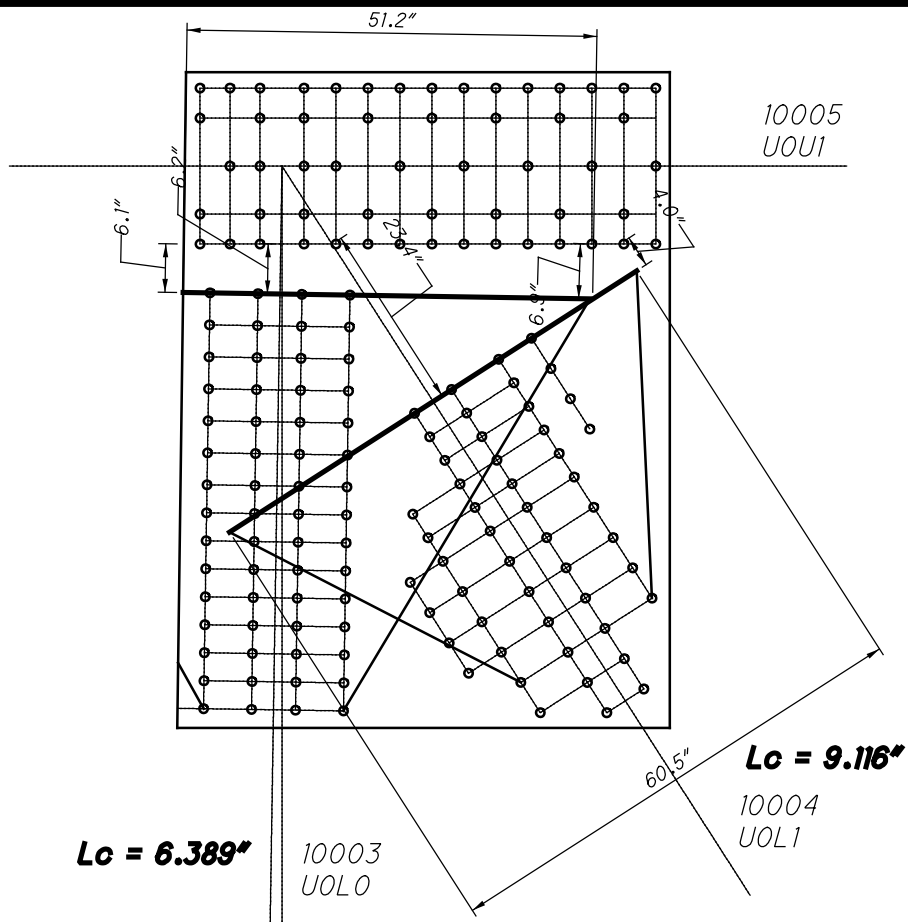
**L12 OUTSIDE
SHEAR AND FREE EDGE CHECK**





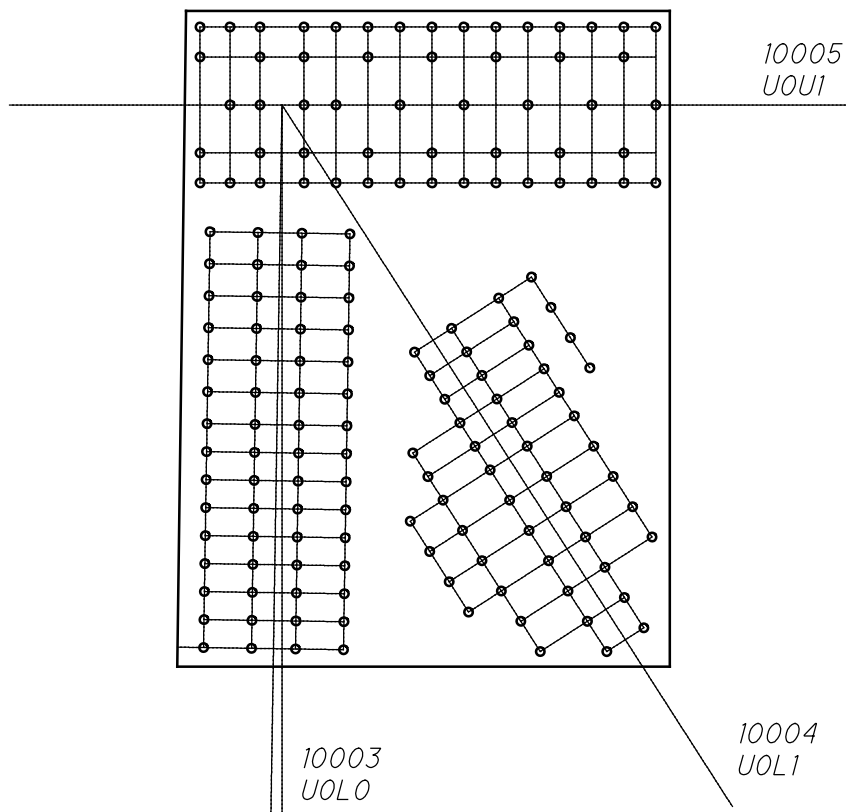


21000 AND 31000



**UO INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS



**UO INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21000 AND 31000

55 RIVETS

60 RIVETS
x 2 PLATES
=120 RIVETS

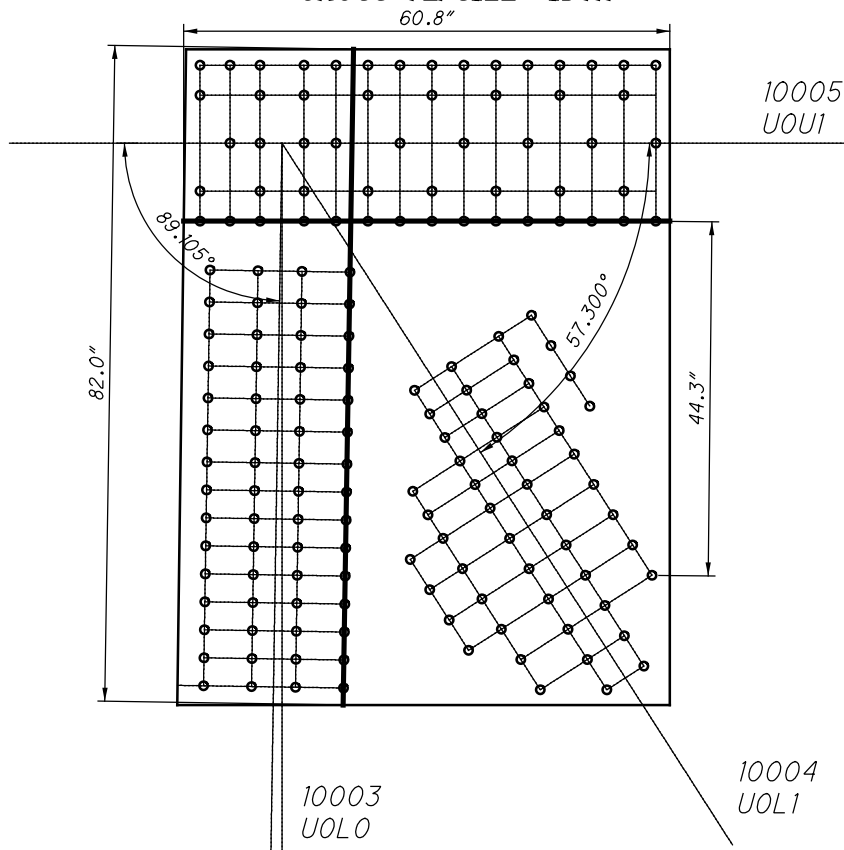
10003
UOL0

10005
UOU1

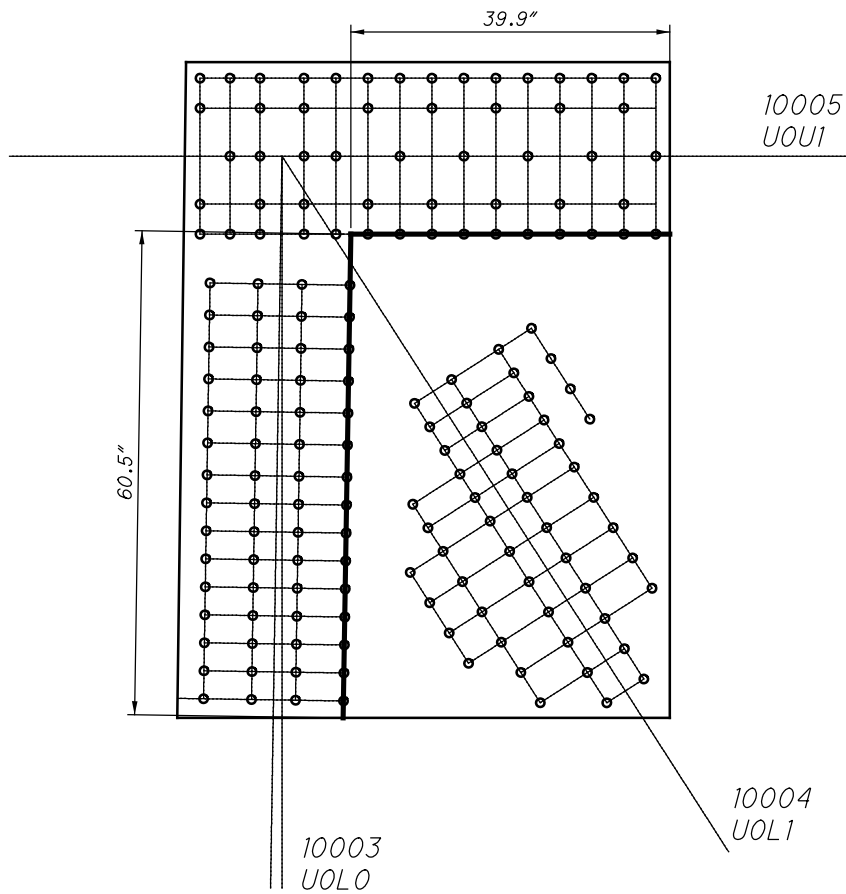
43 RIVETS
x 2 PLATES
=86 RIVETS

10004
UOL1

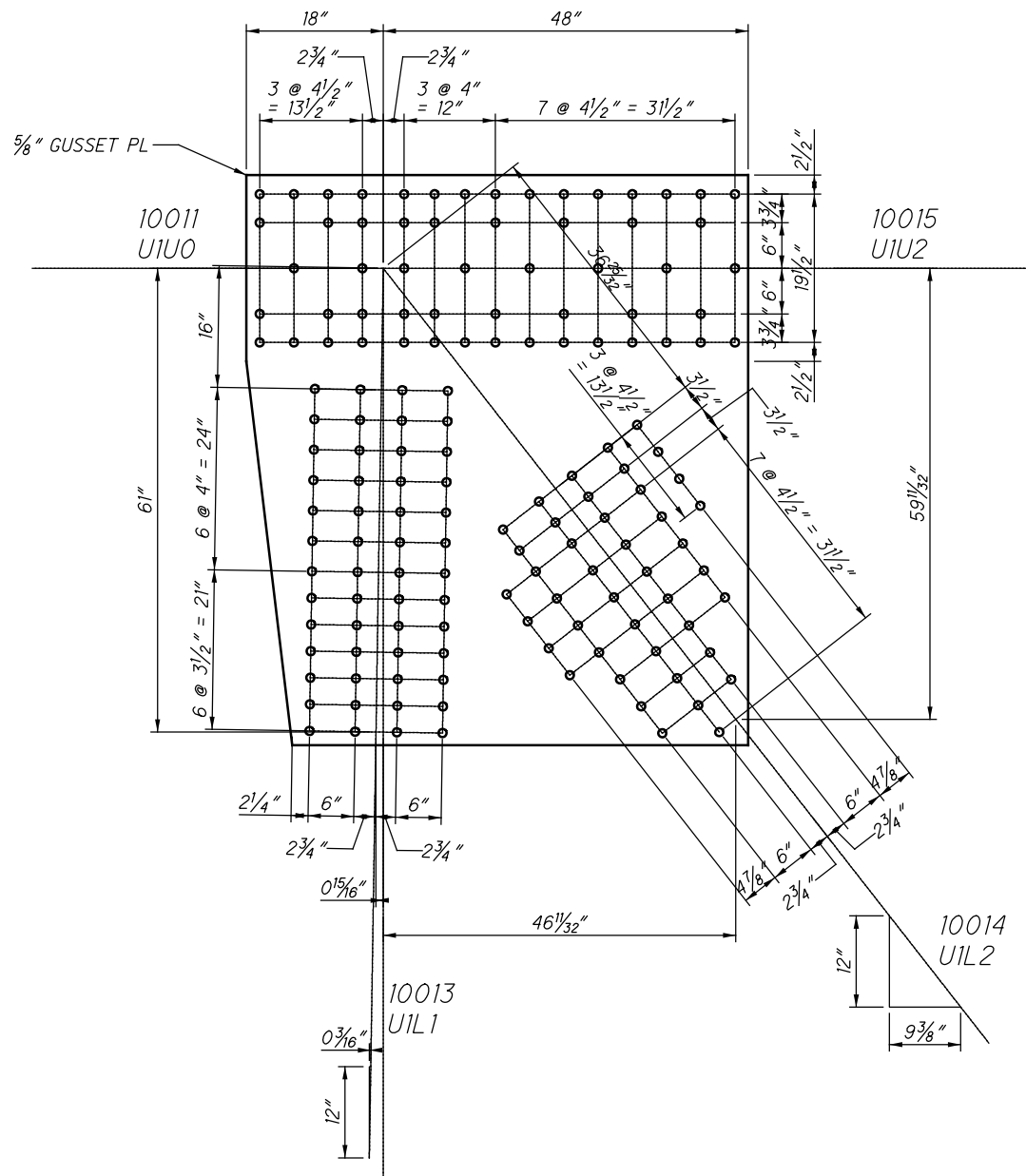
**UO INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**UO INSIDE
SHEAR AND FREE EDGE CHECK**

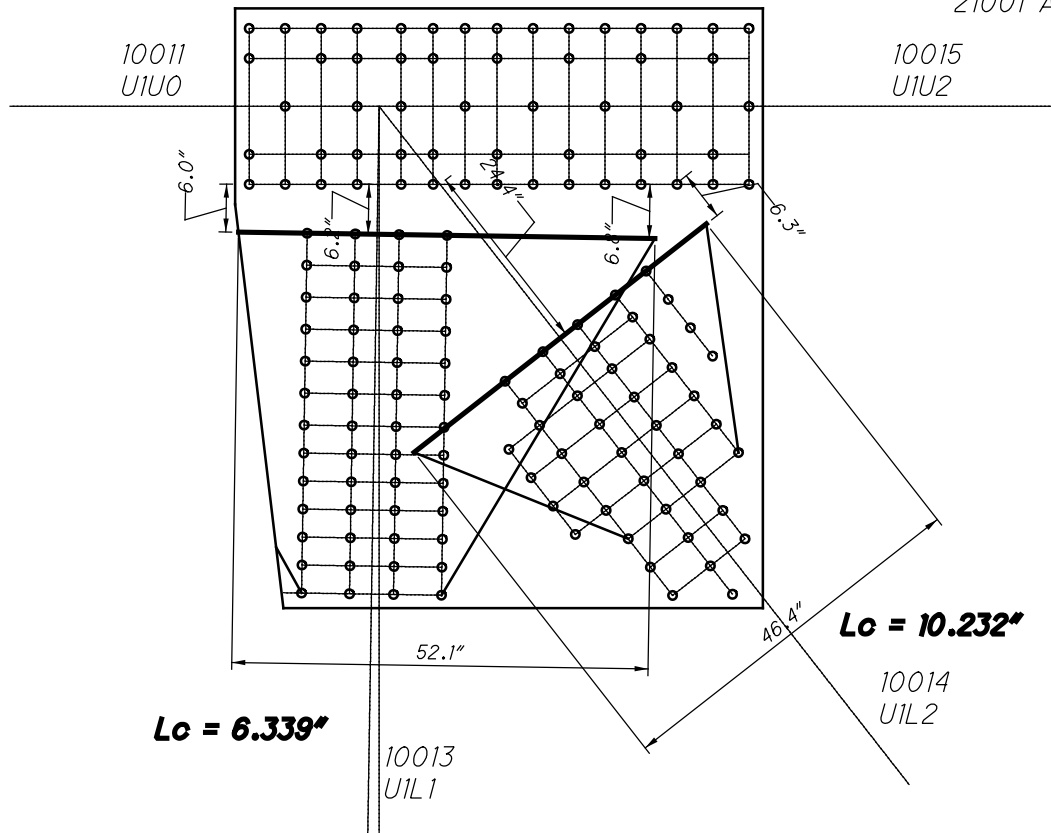


**UO INSIDE
QUADRANT DIMENSIONS**



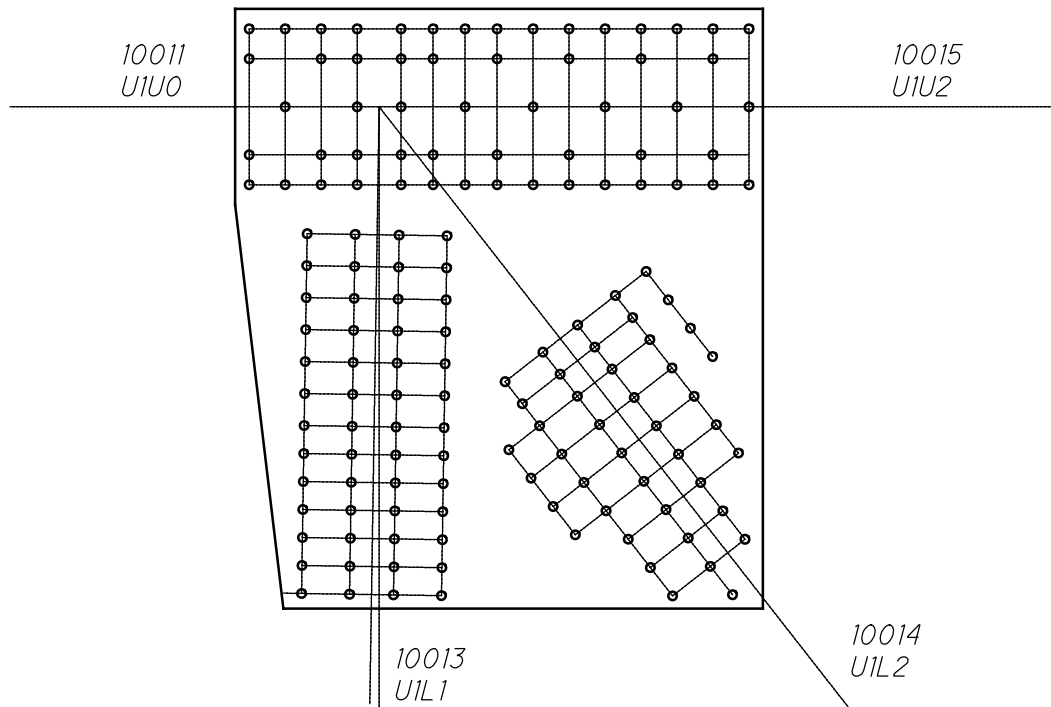
**U1 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

21001 AND 31001

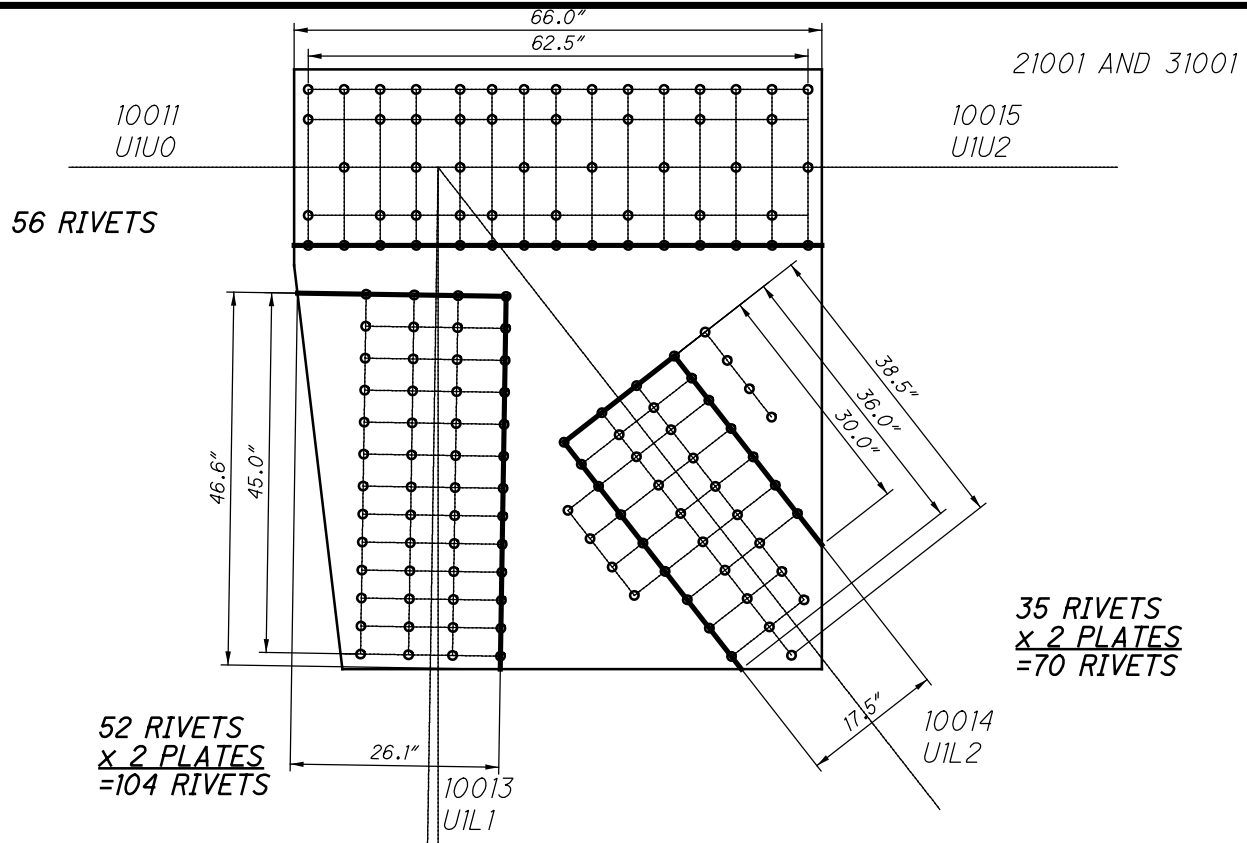


**UI INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

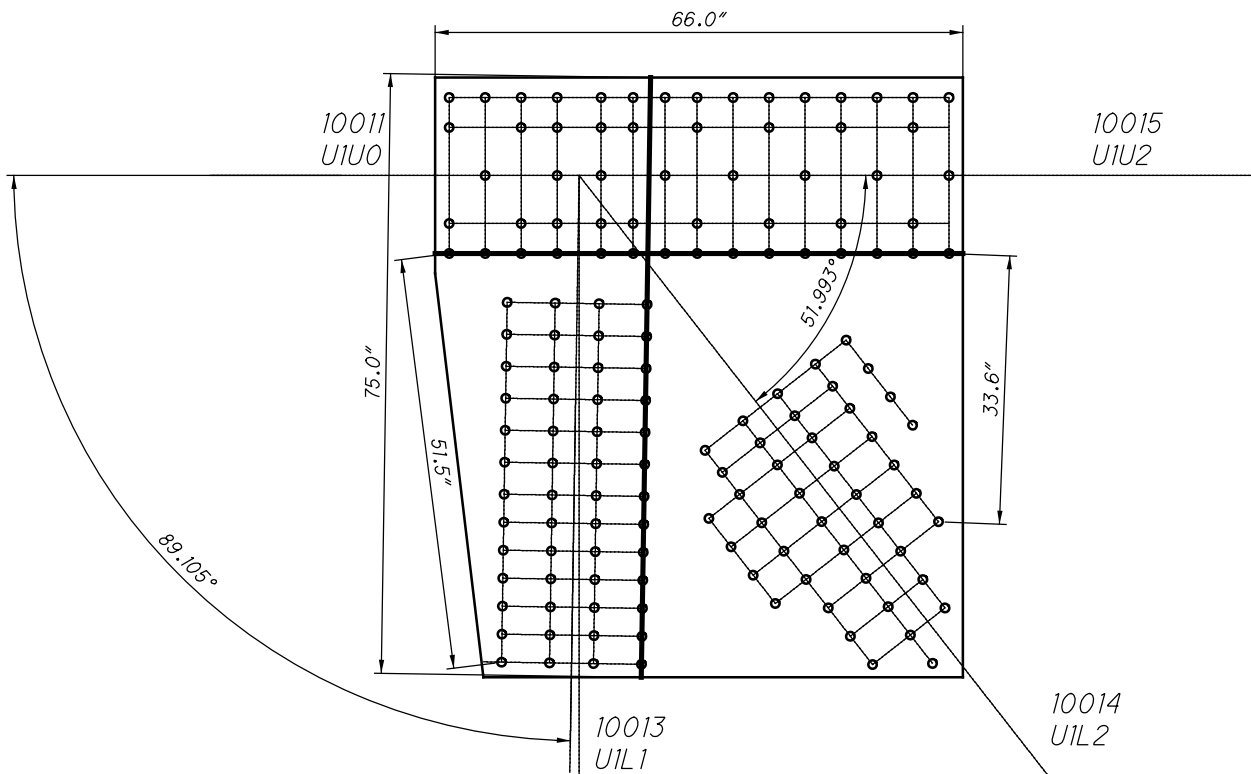
CHORD IS CONTINUOUS



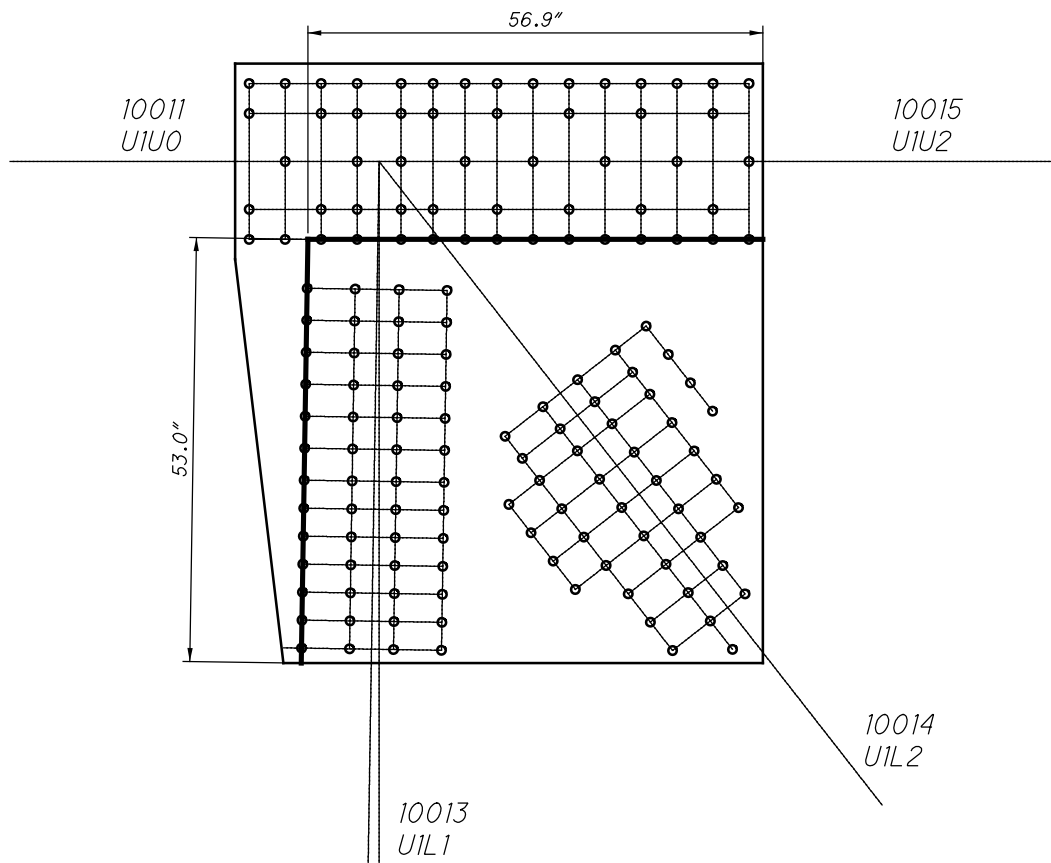
**UI INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



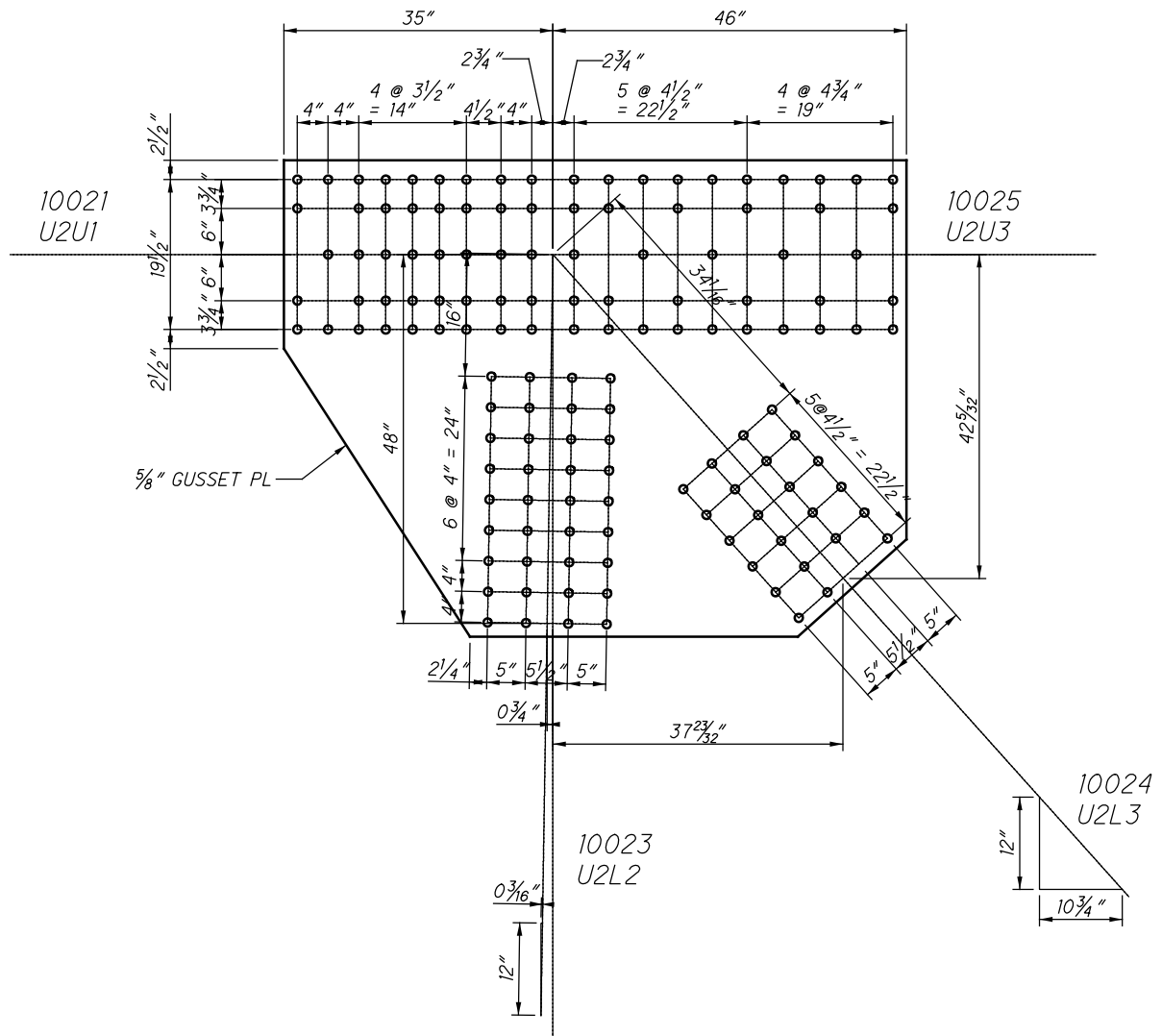
**U1 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



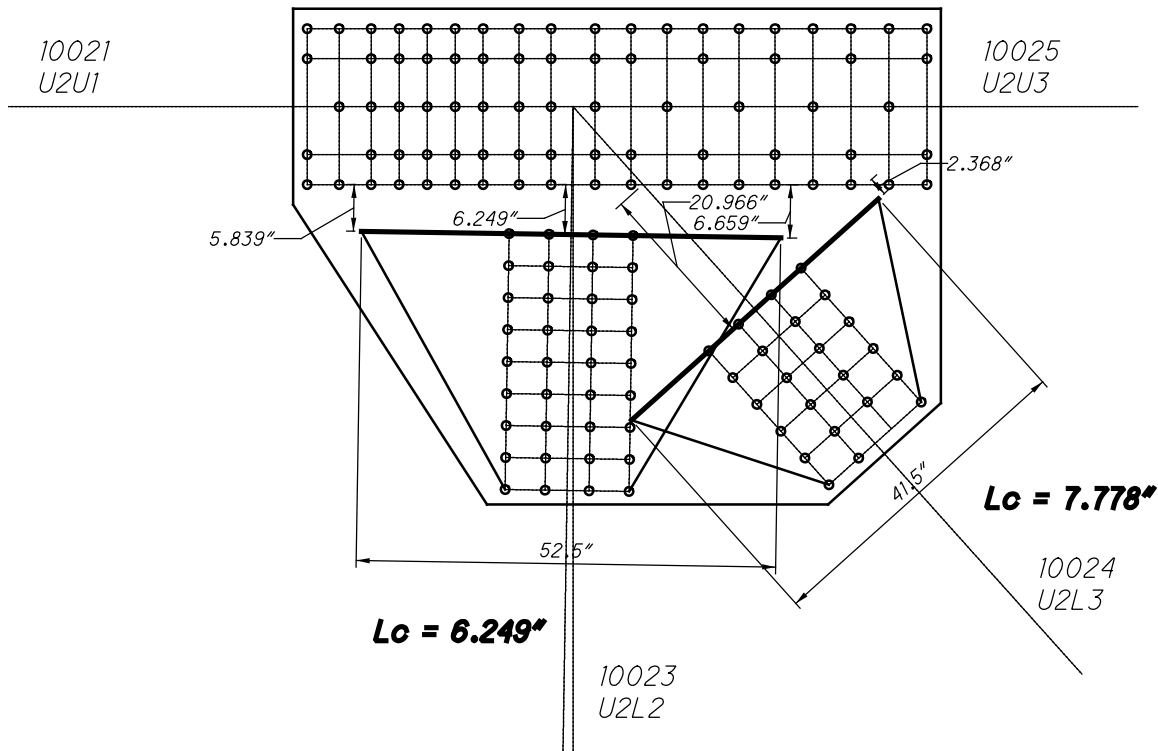
**U1 INSIDE
SHEAR AND FREE EDGE CHECK**



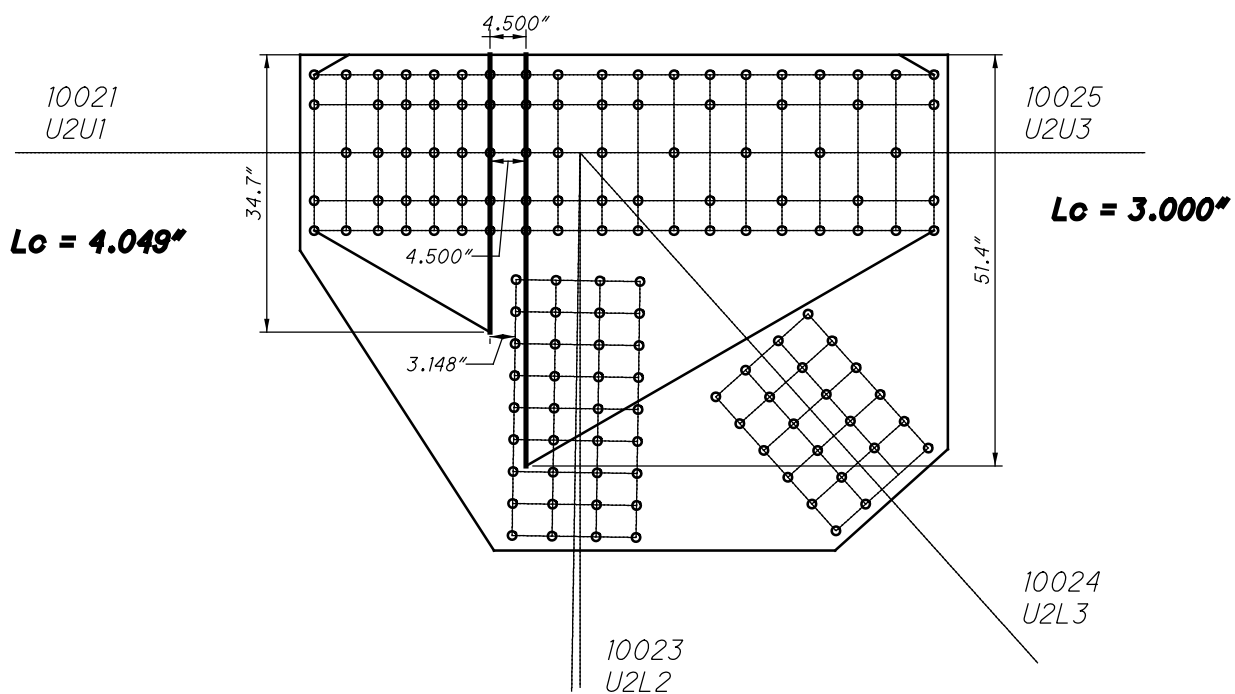
**U1 INSIDE
QUADRANT DIMENSIONS**



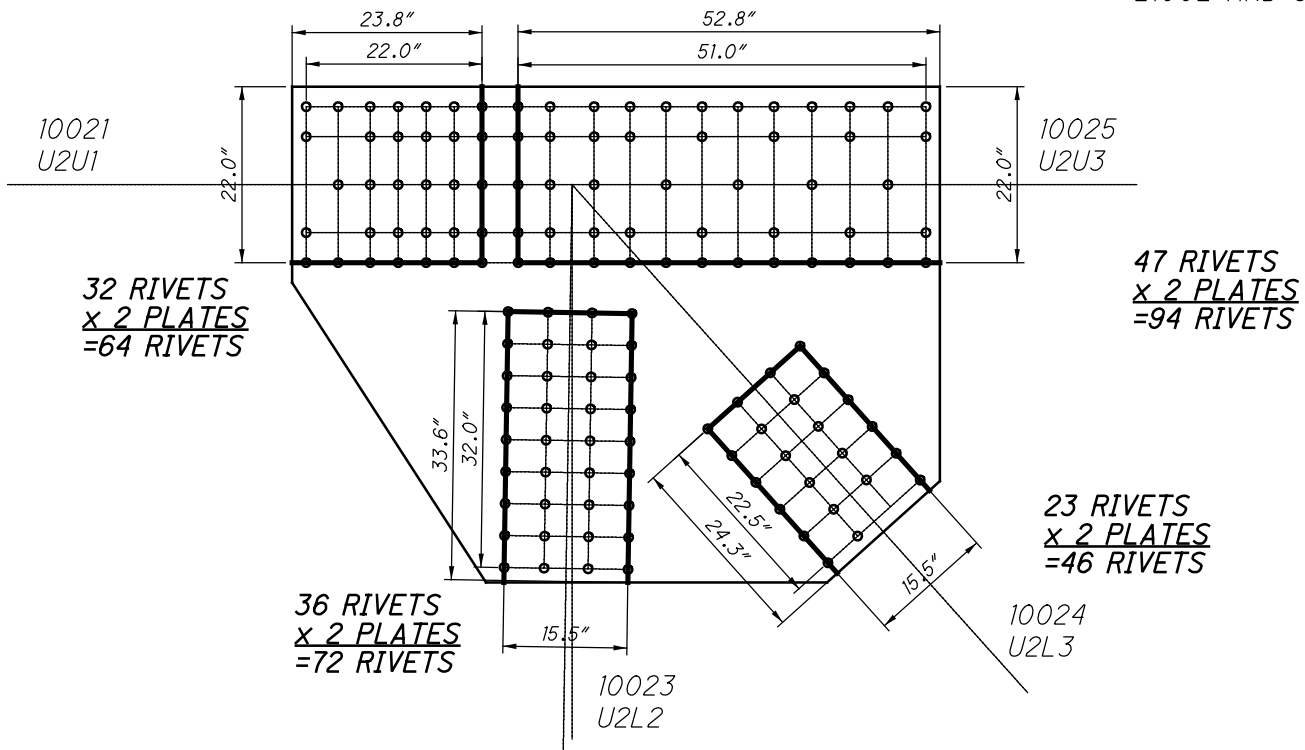
**U2 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



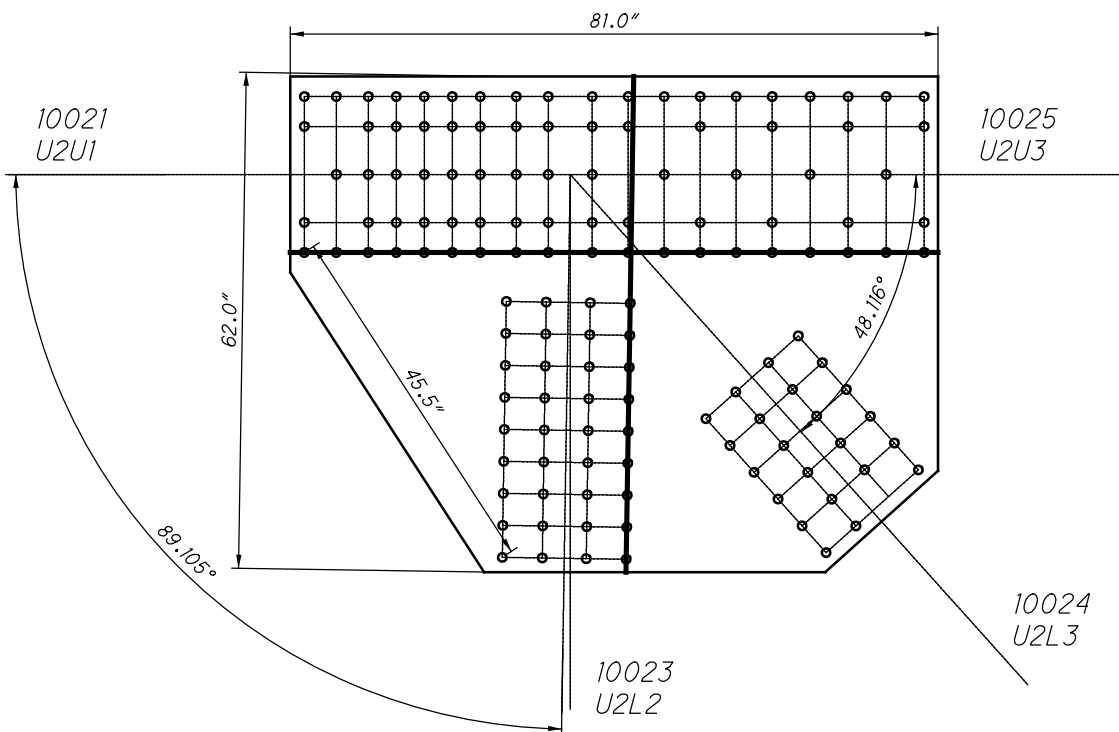
**U2 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



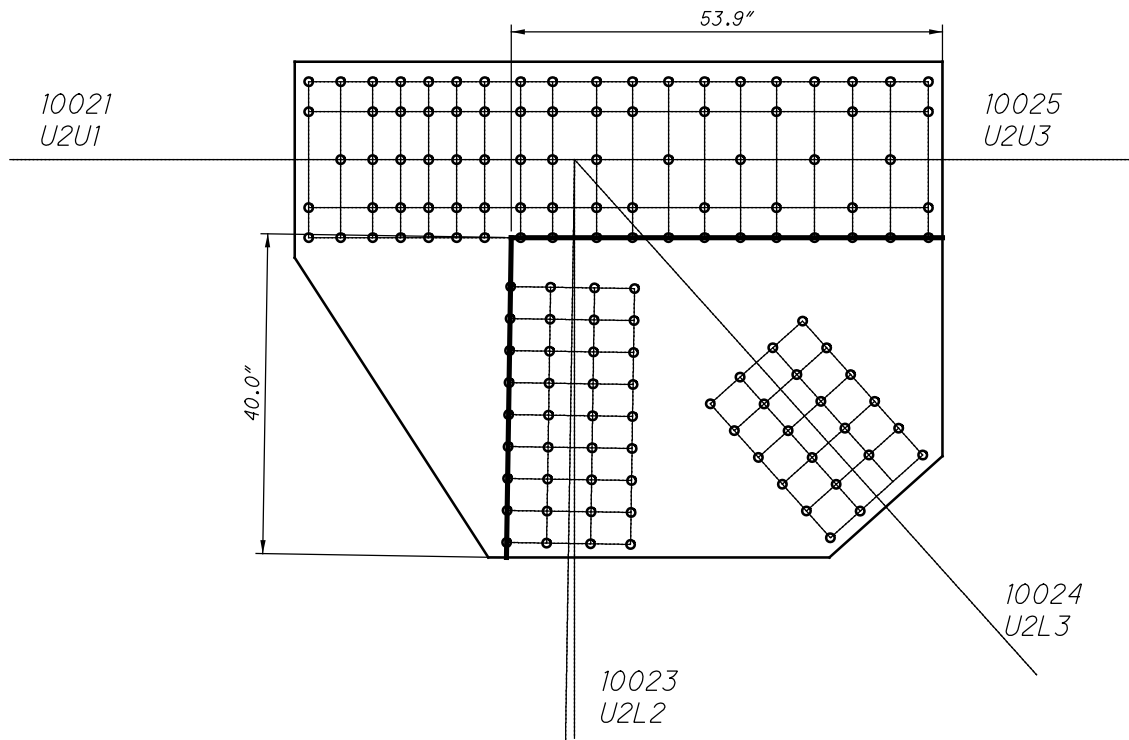
**U2 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



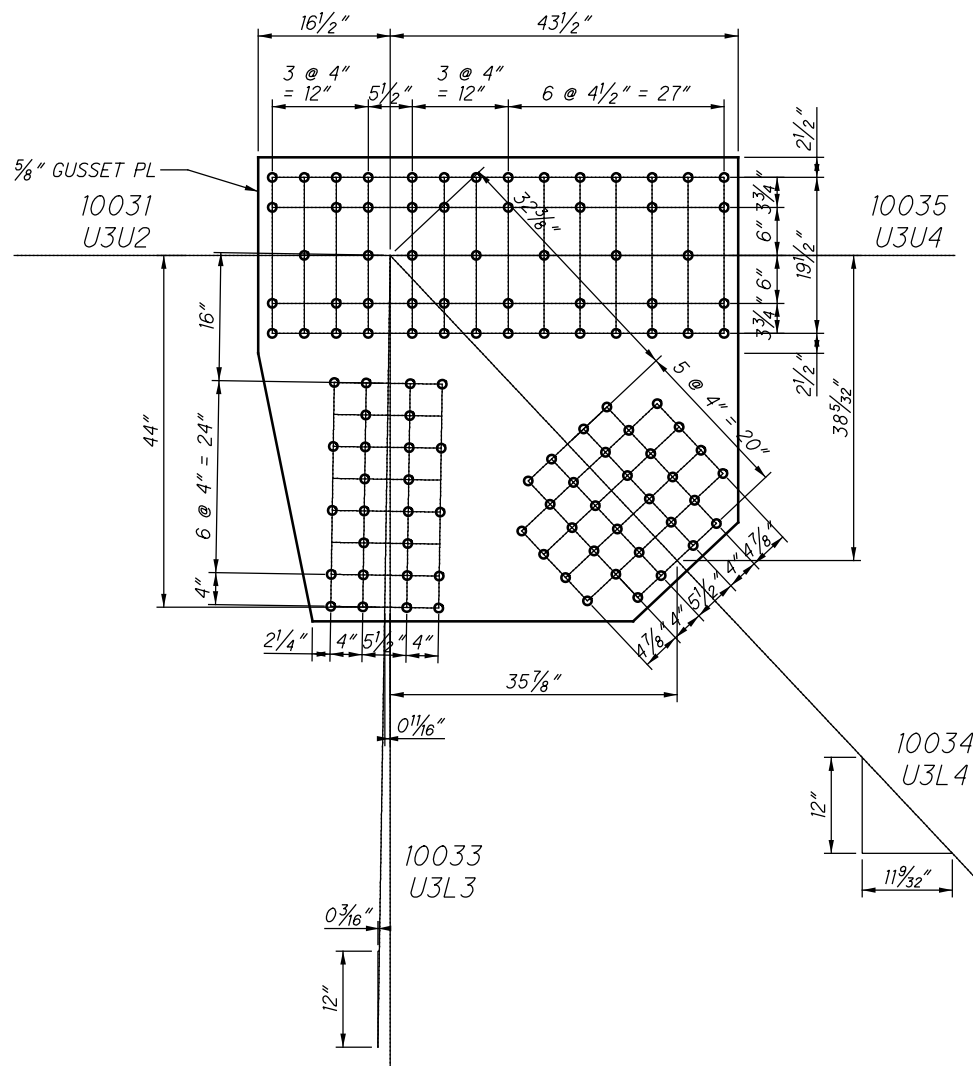
**U2 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



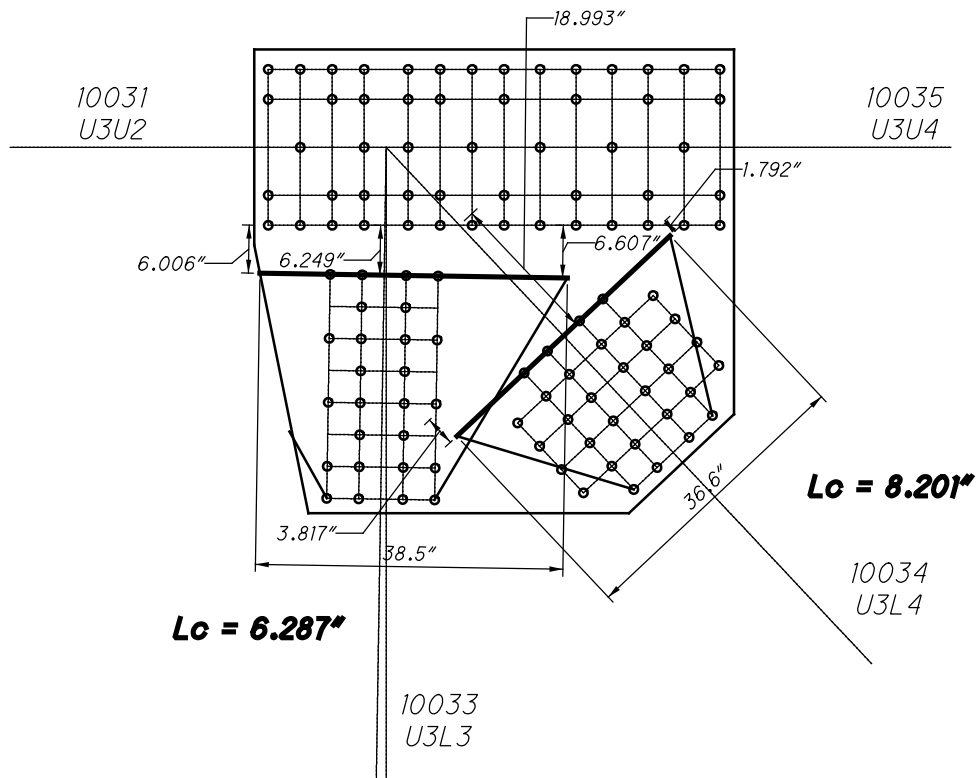
**U2 INSIDE
SHEAR AND FREE EDGE CHECK**



**U2 INSIDE
QUADRANT DIMENSIONS**

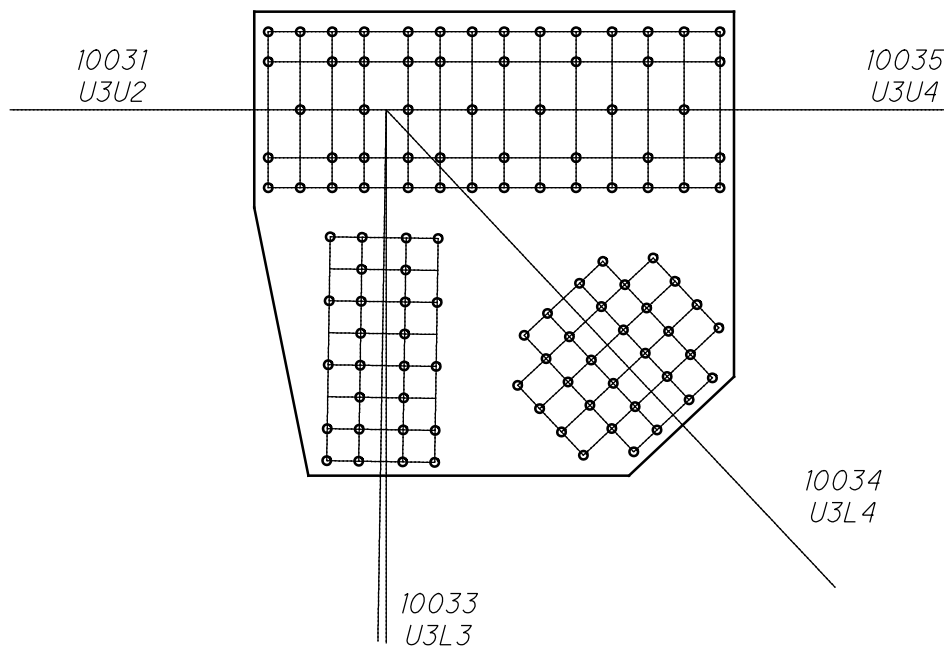


**U3 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

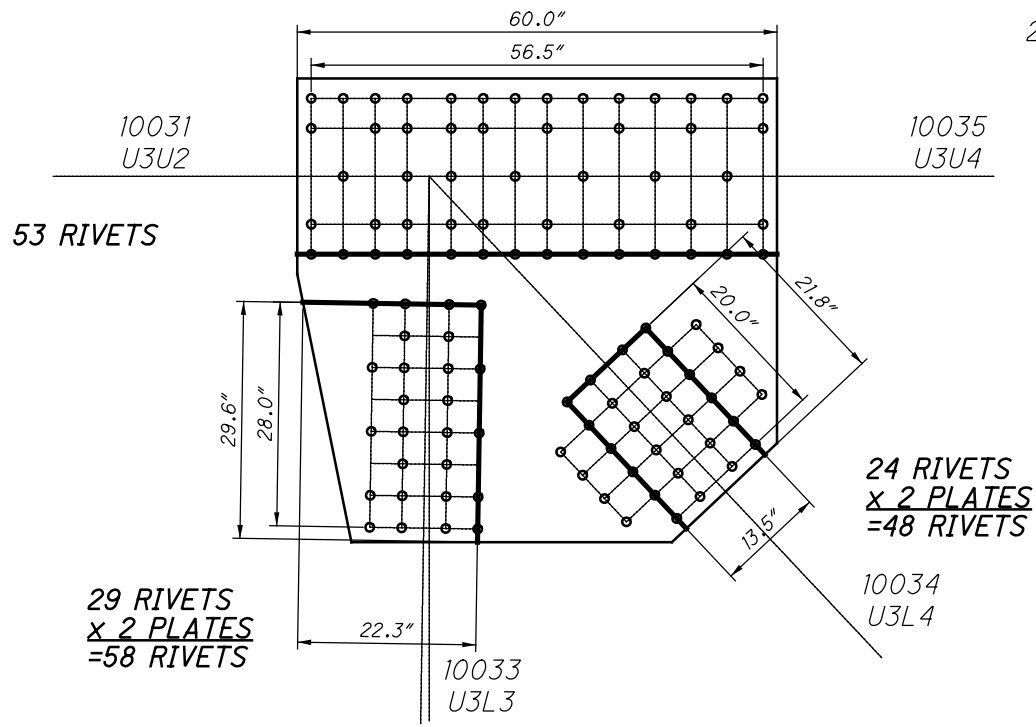


**U3 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

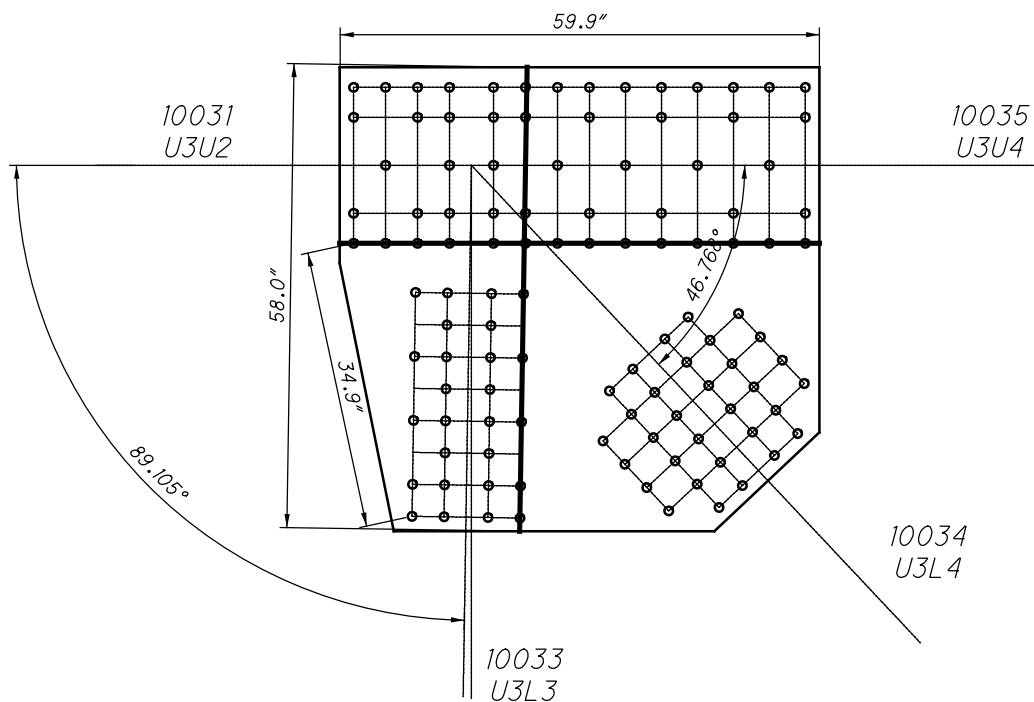
CHORD IS CONTINUOUS



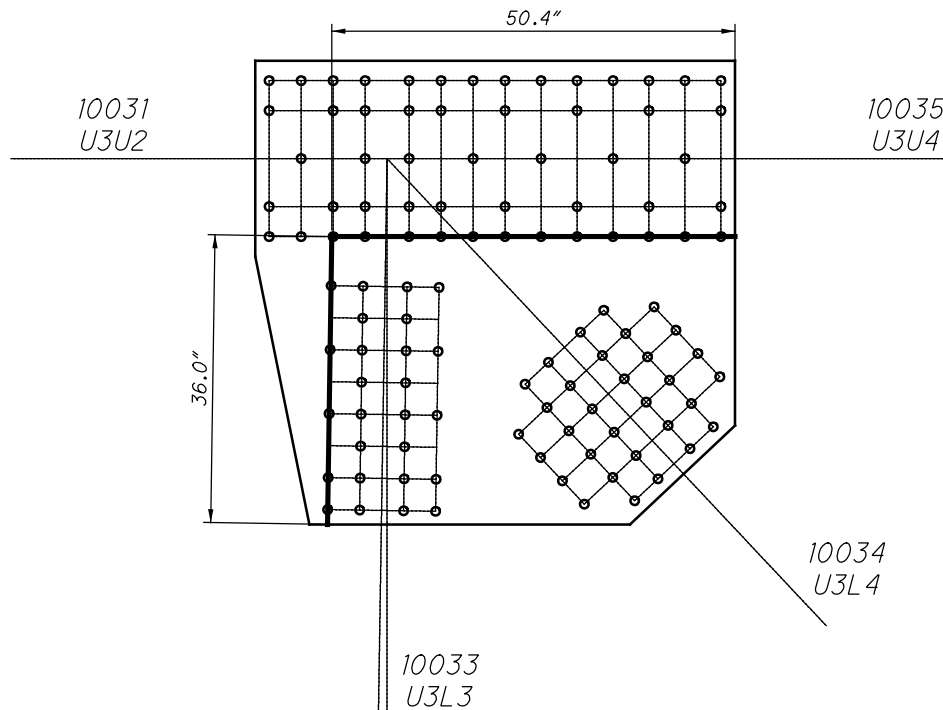
**U3 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



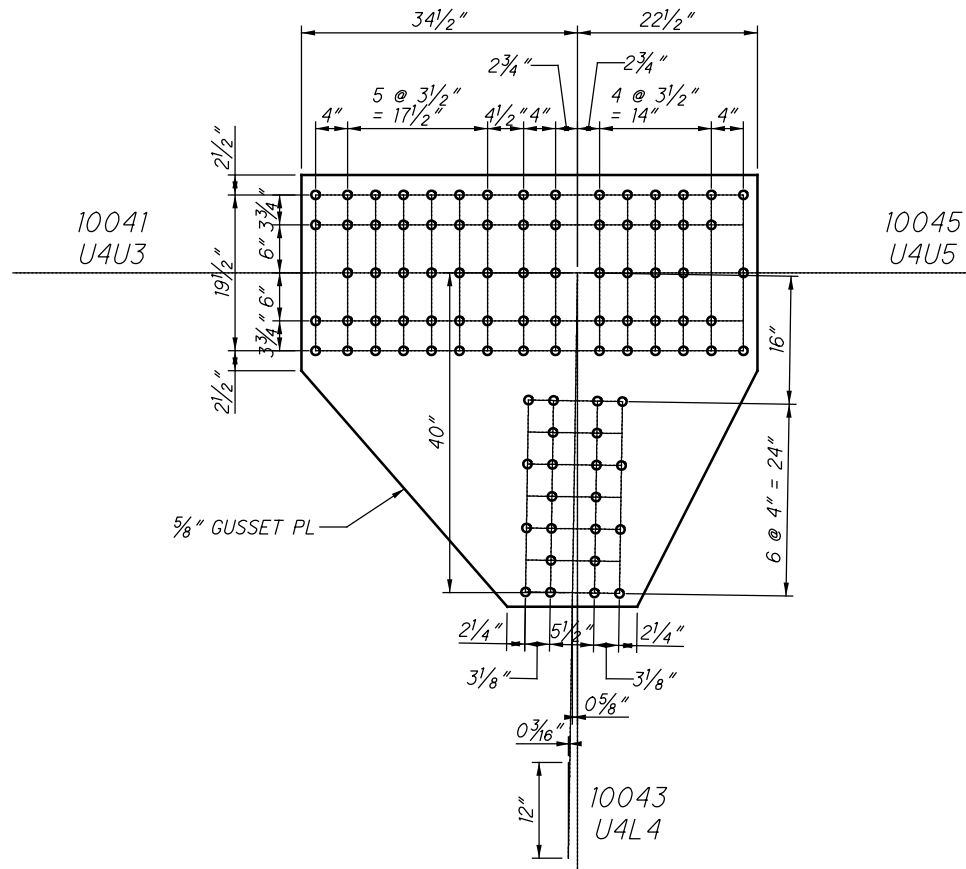
**U3 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



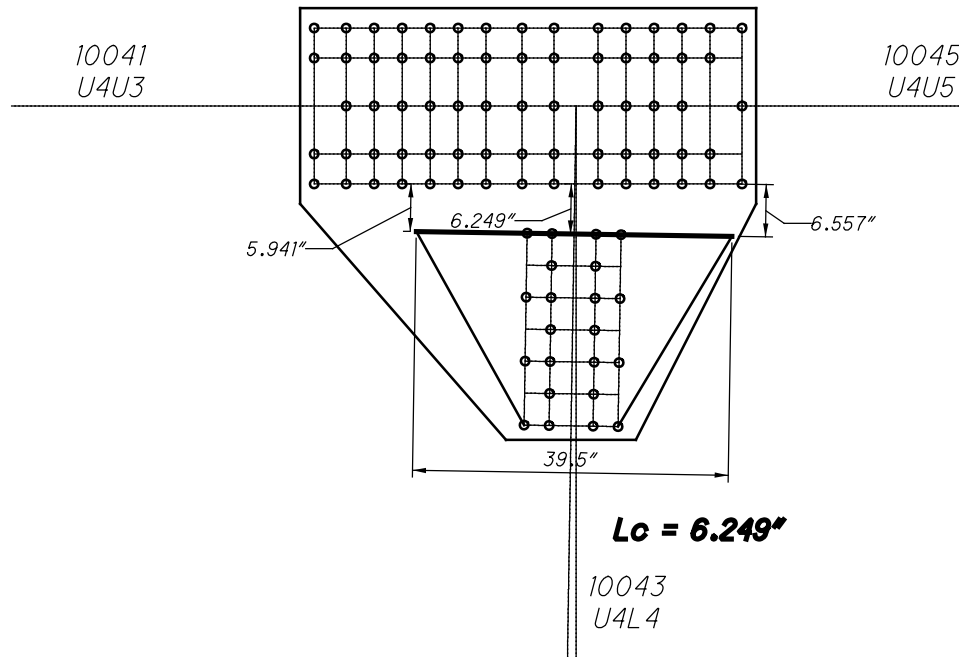
**U3 INSIDE
SHEAR AND FREE EDGE CHECK**



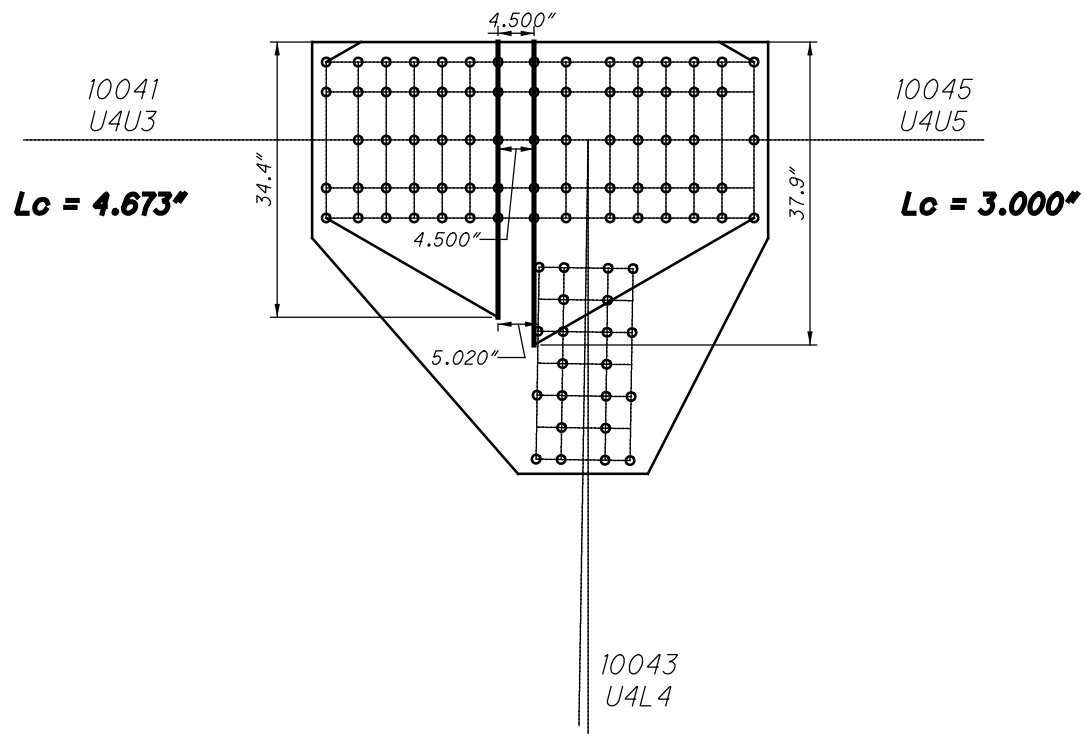
**U3 INSIDE
QUADRANT DIMENSIONS**



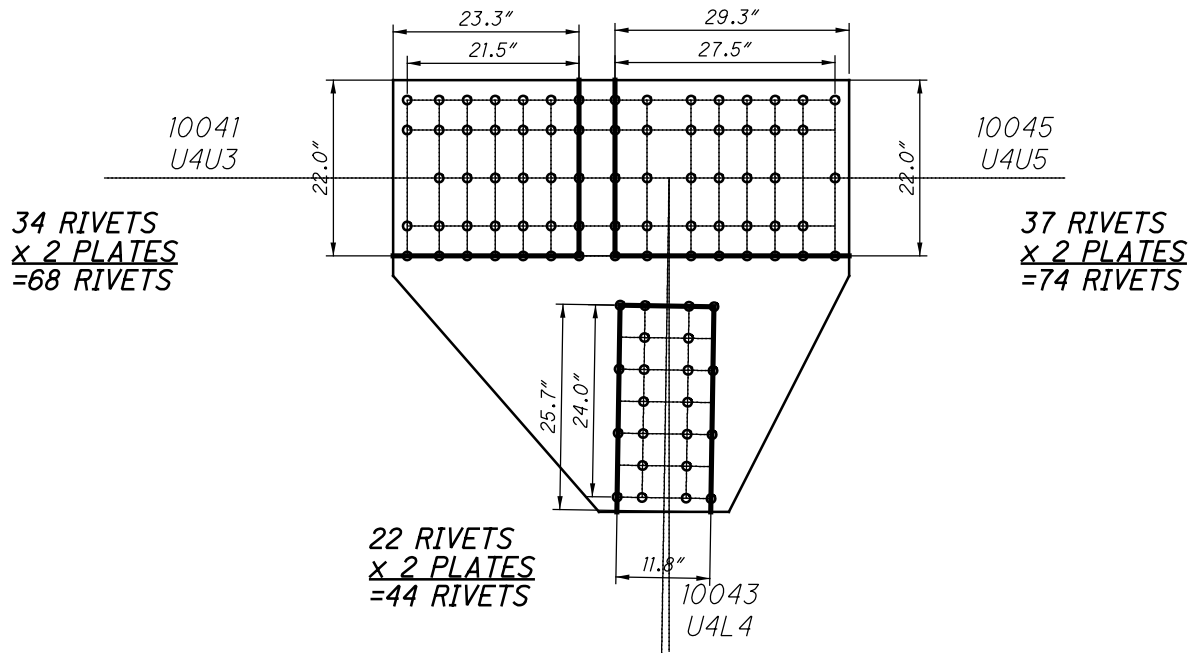
**U4 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



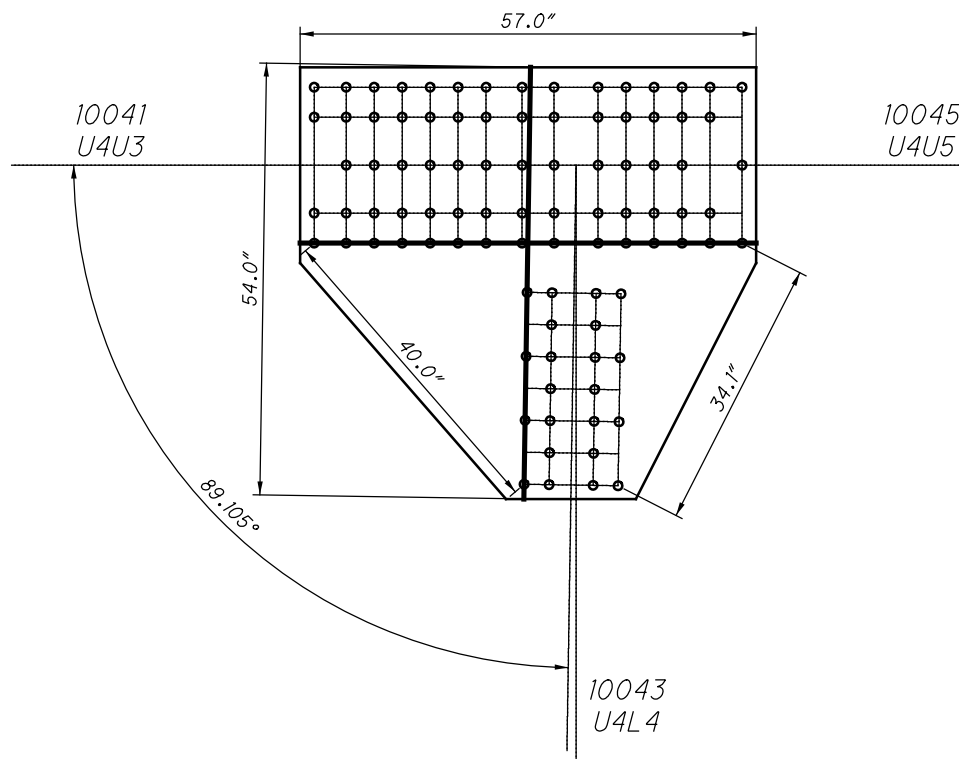
**U4 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



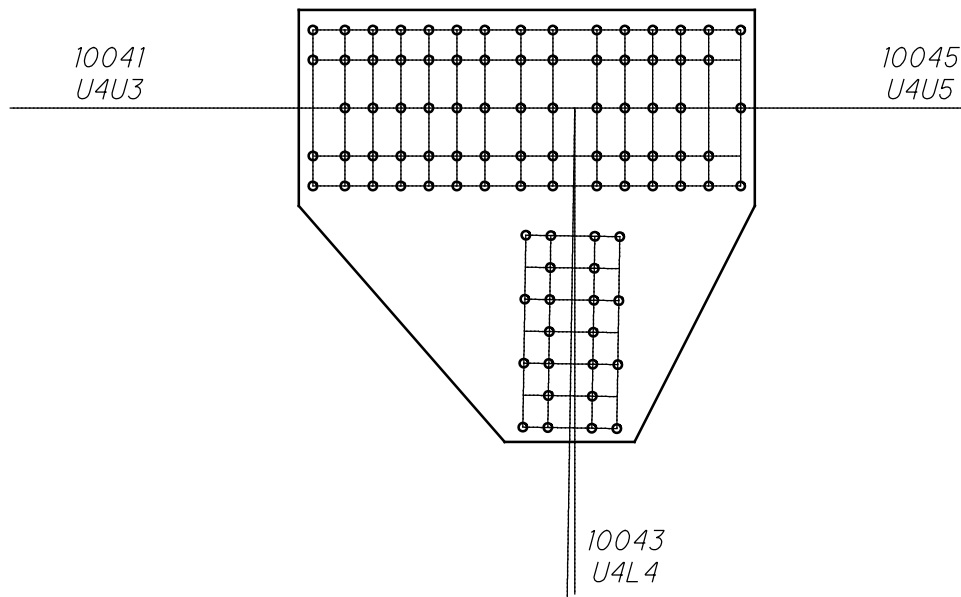
**U4 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



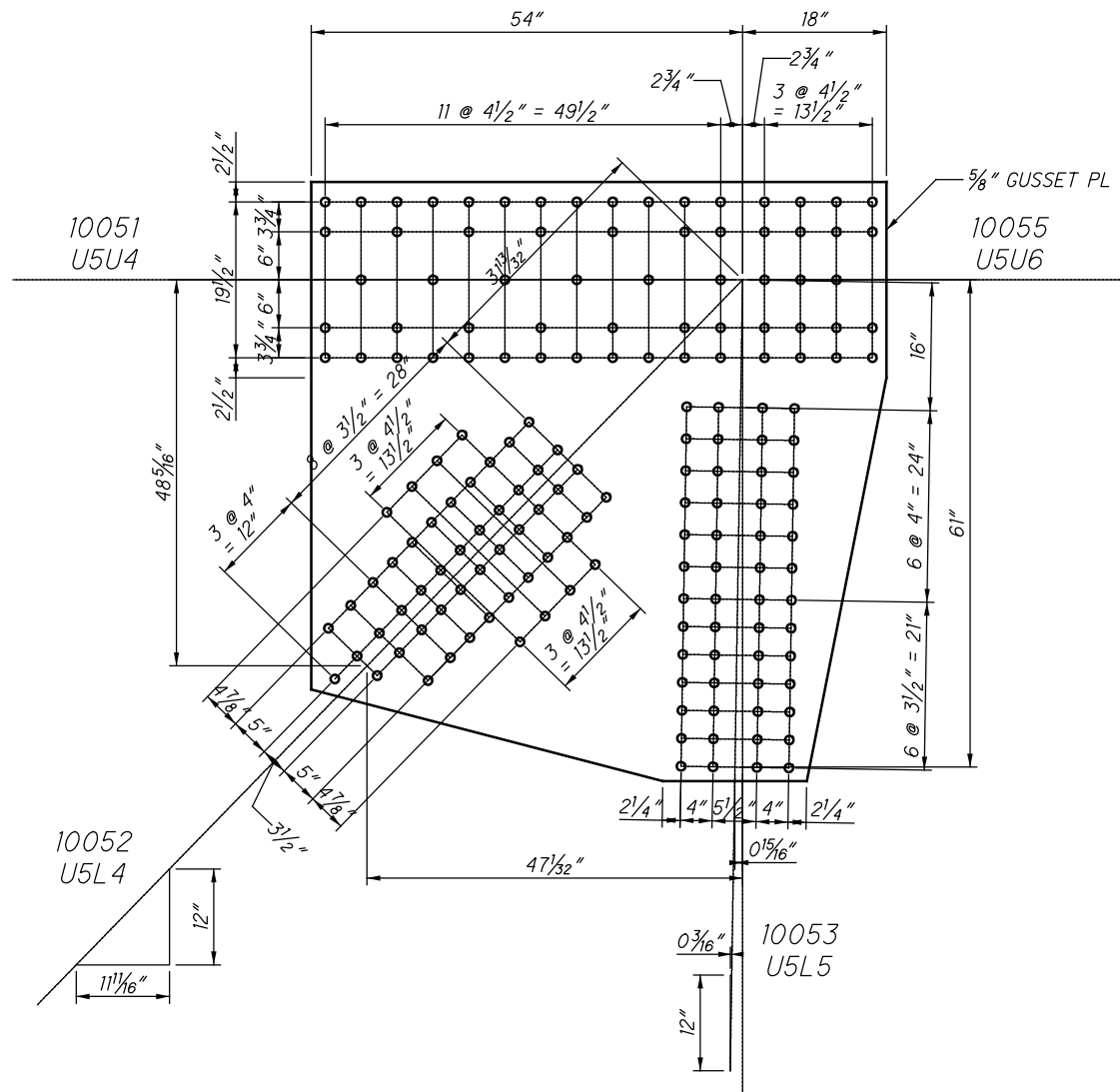
**U4 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



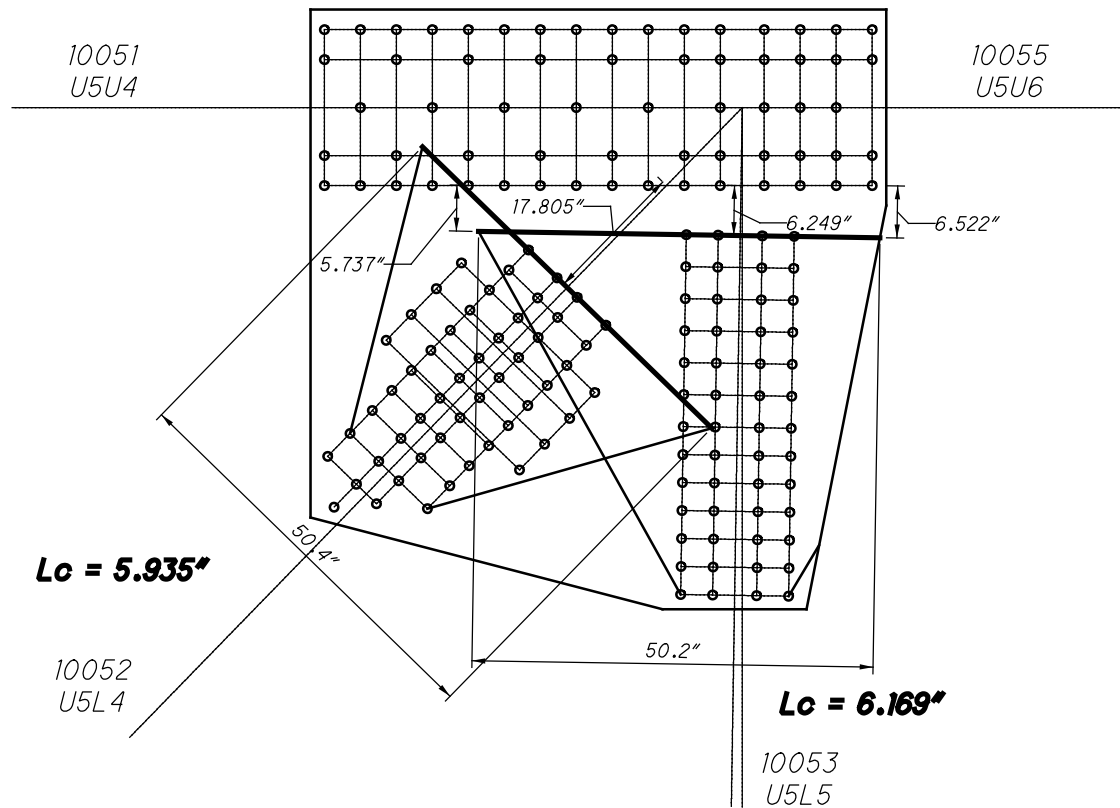
**U4 INSIDE
SHEAR AND FREE EDGE CHECK**



**U4 INSIDE
QUADRANT DIMENSIONS**

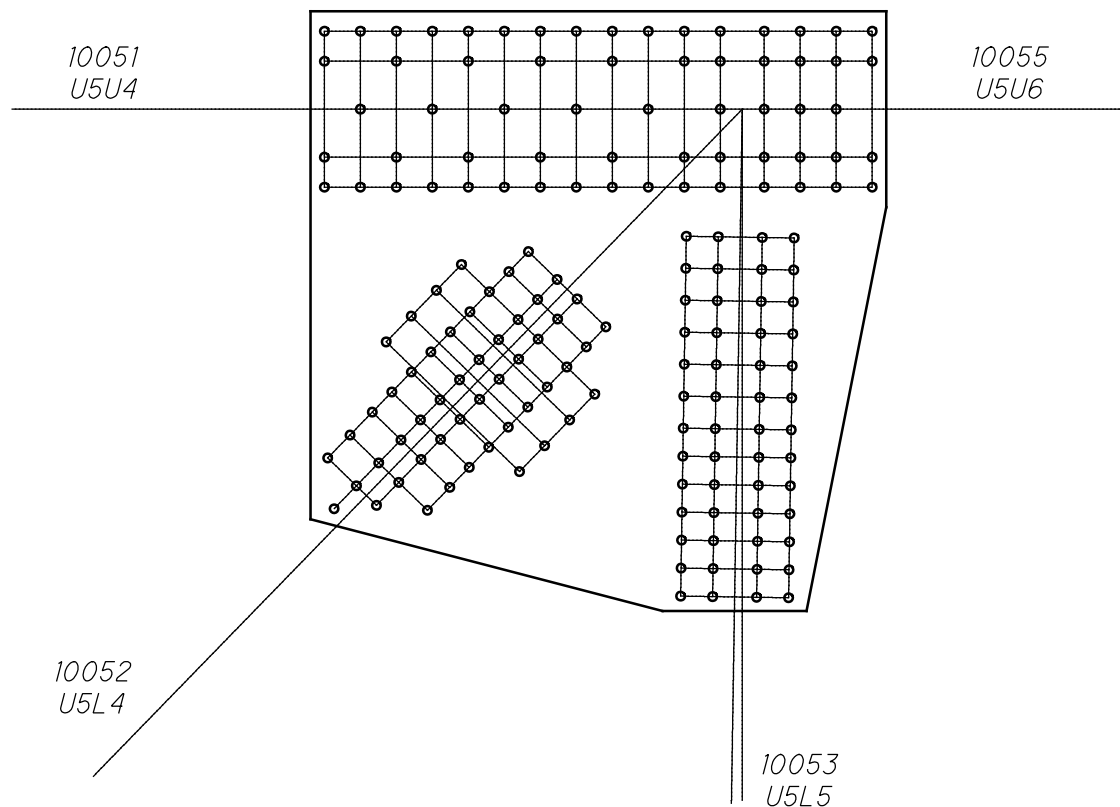


**U5 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

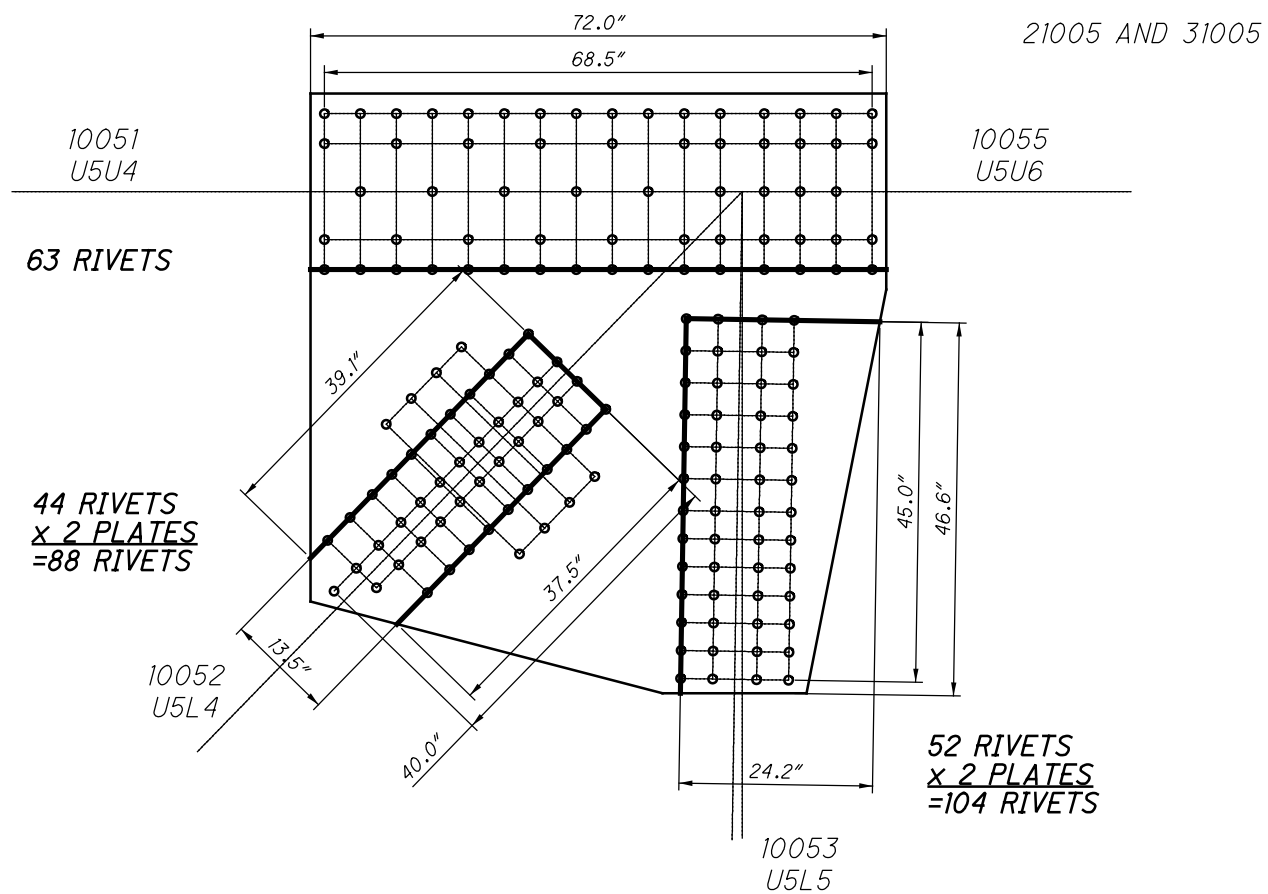


**U5 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

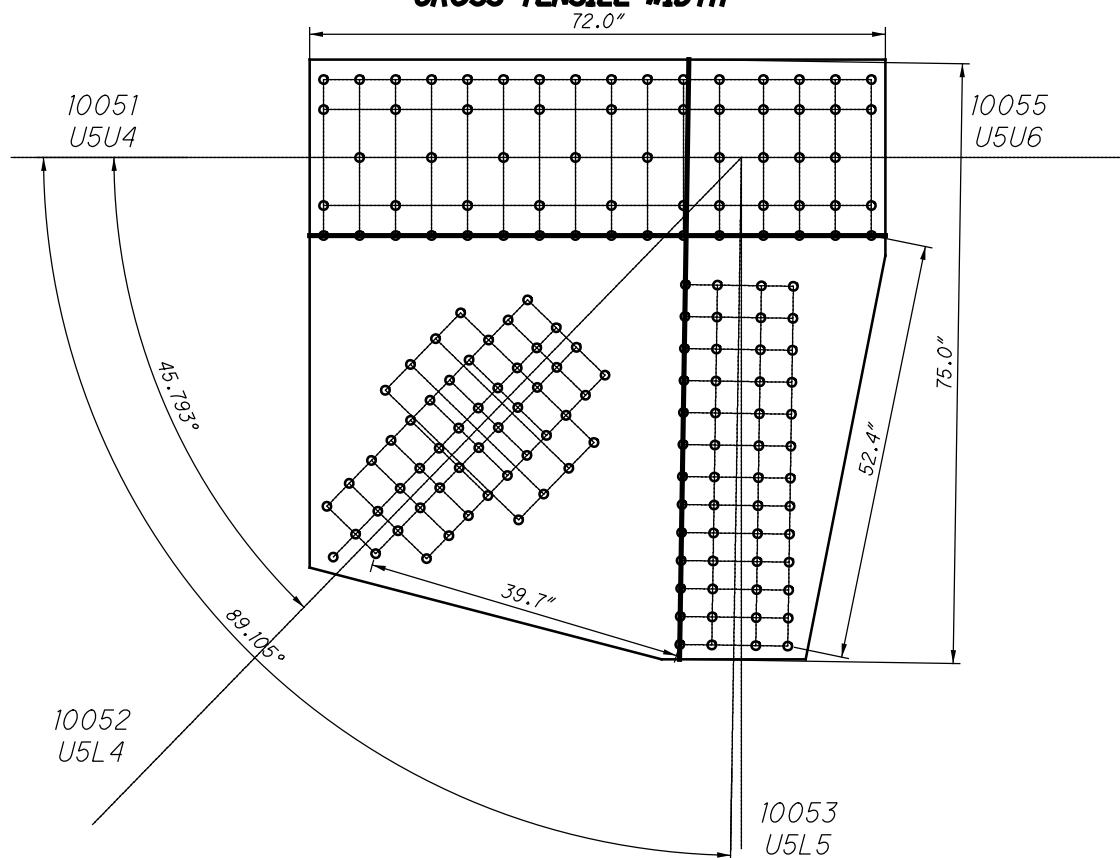
CHORD IS CONTINUOUS



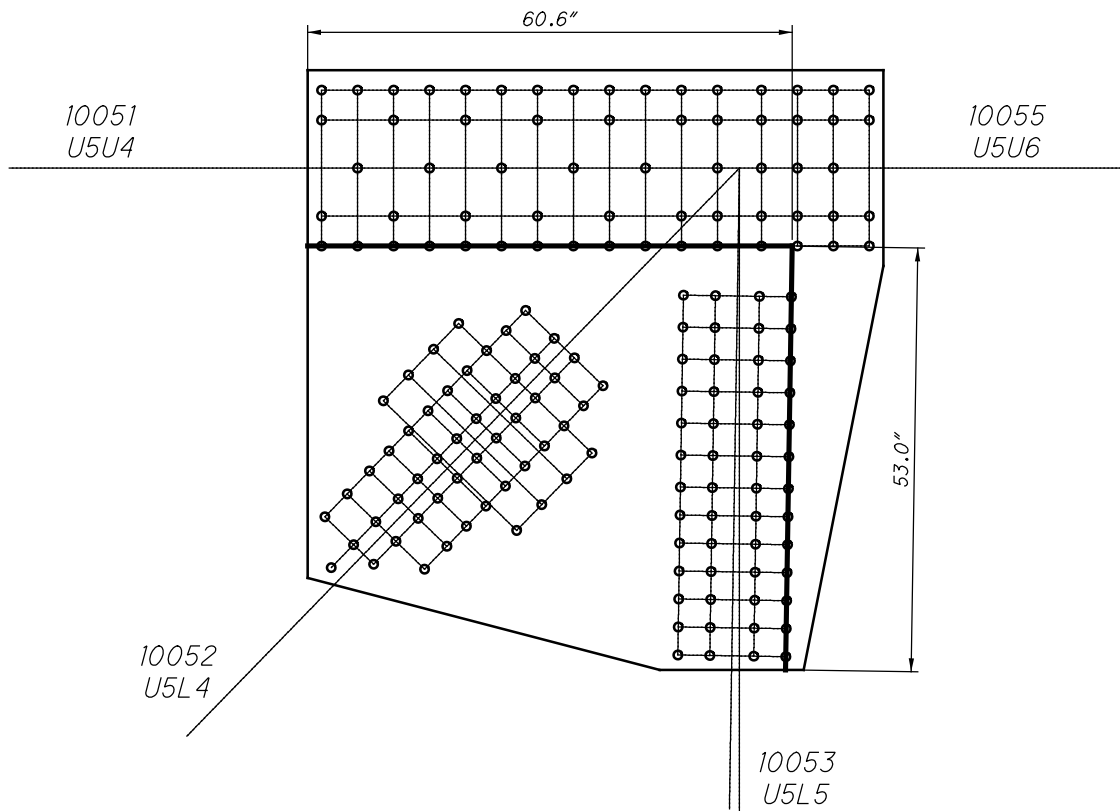
**U5 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



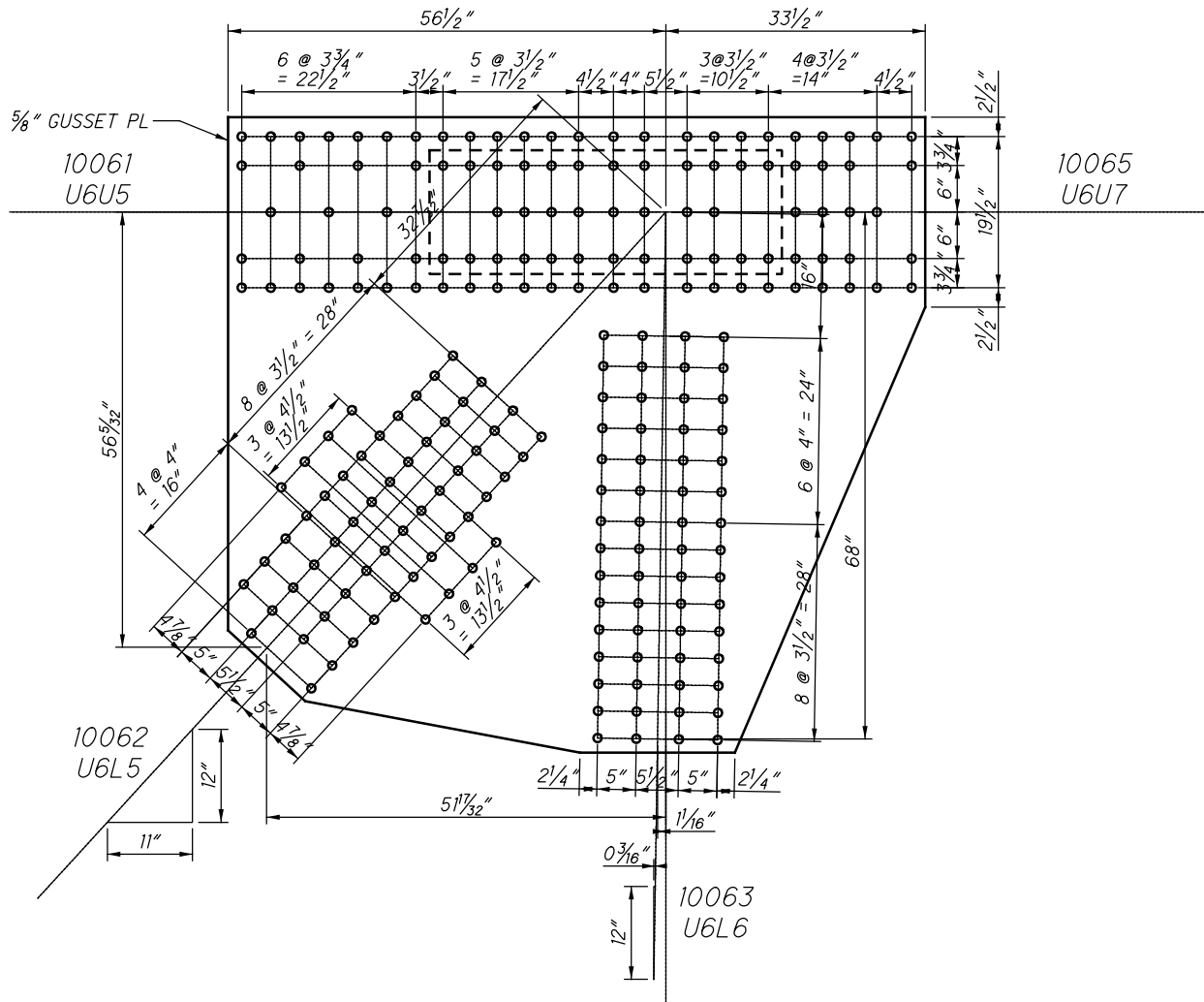
**U5 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U5 INSIDE
SHEAR AND FREE EDGE CHECK**

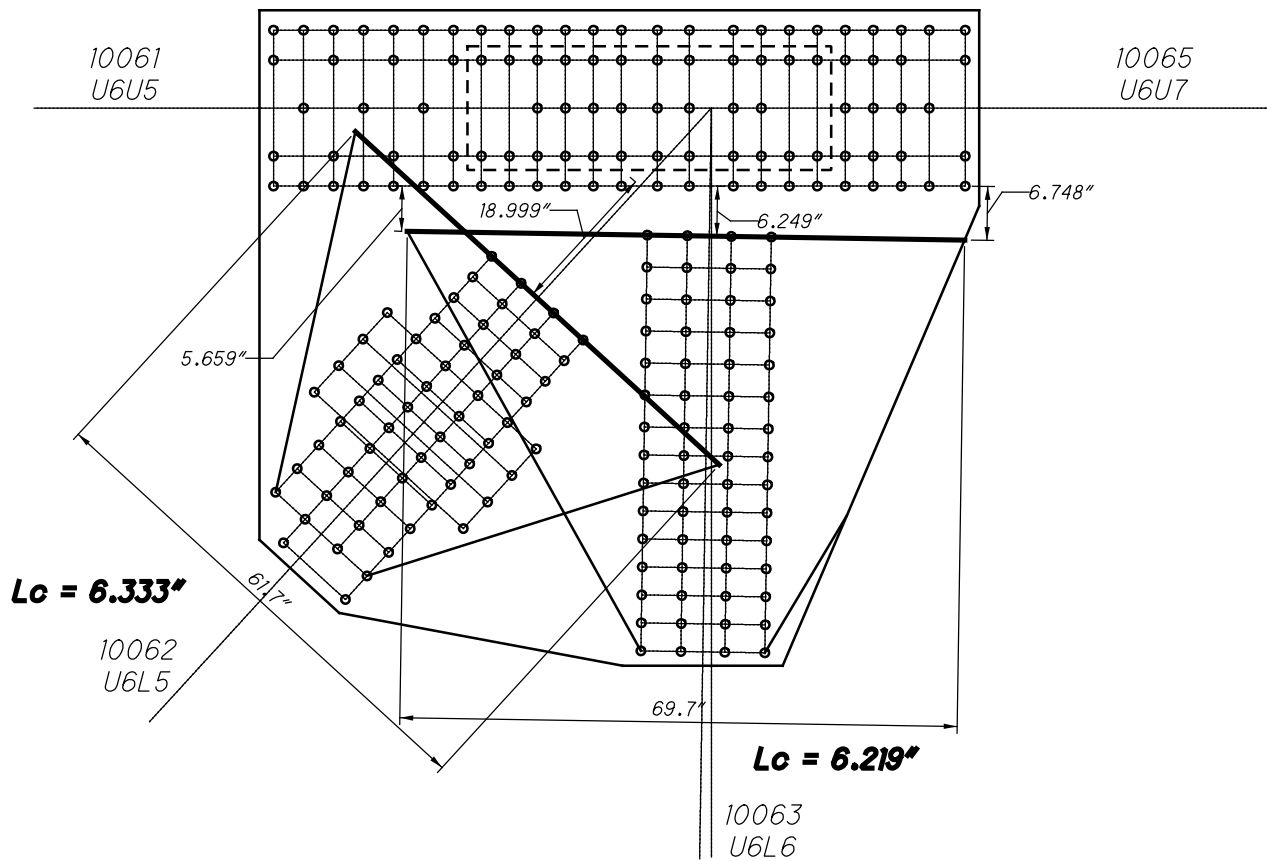


**U5 INSIDE
QUADRANT DIMENSIONS**

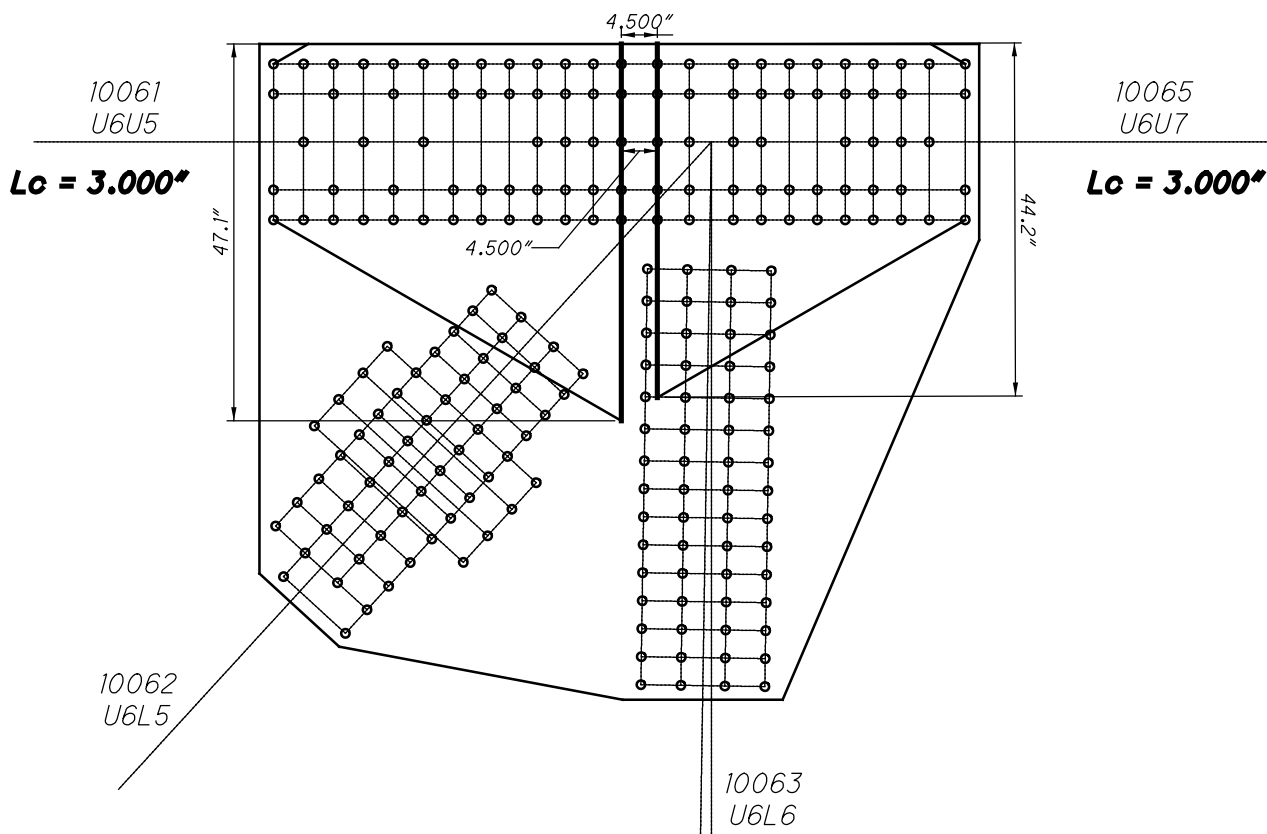


SPLICE PLATE
16" X $\frac{1}{16}"$ X 3'-9 $\frac{1}{2}"$

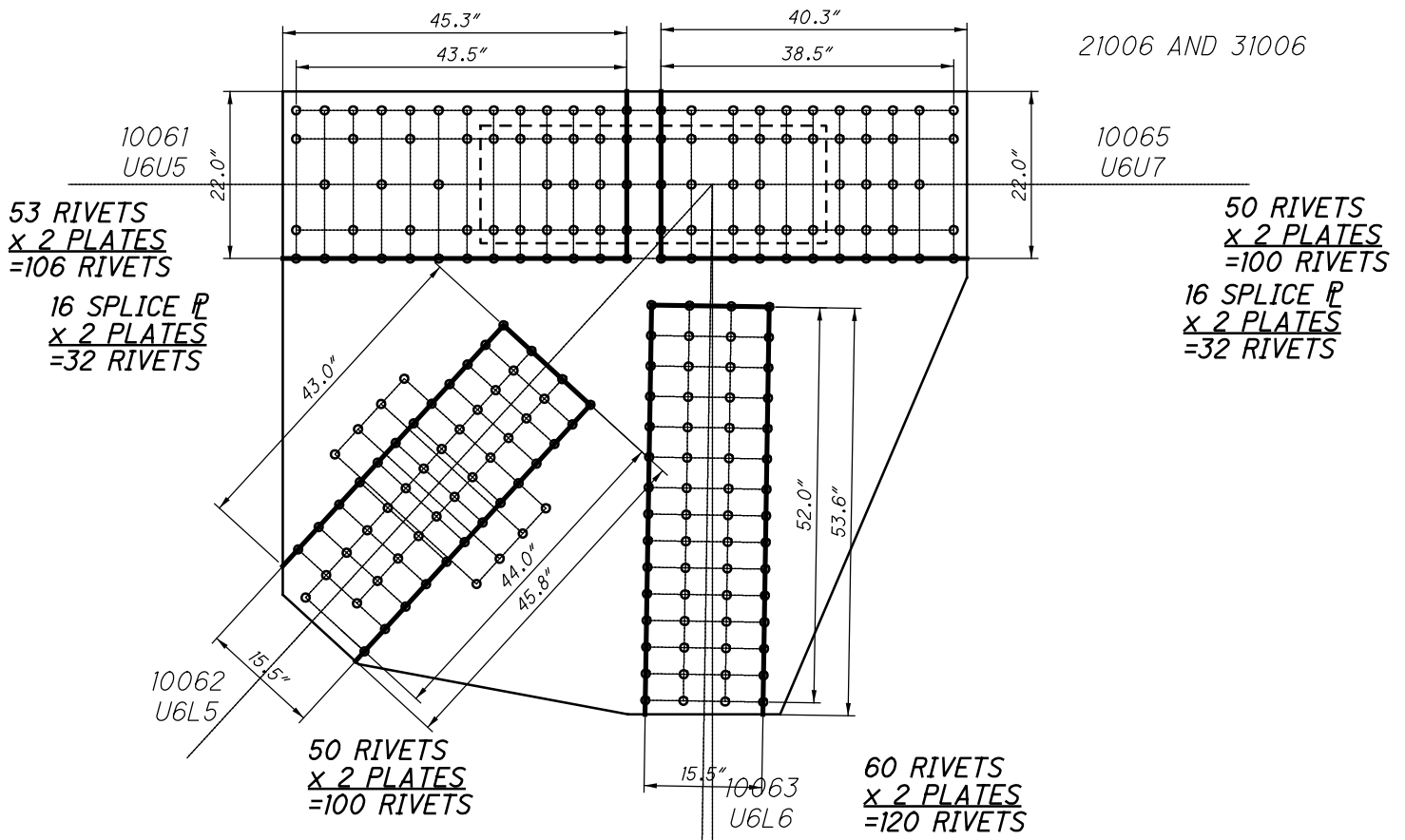
**U6 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



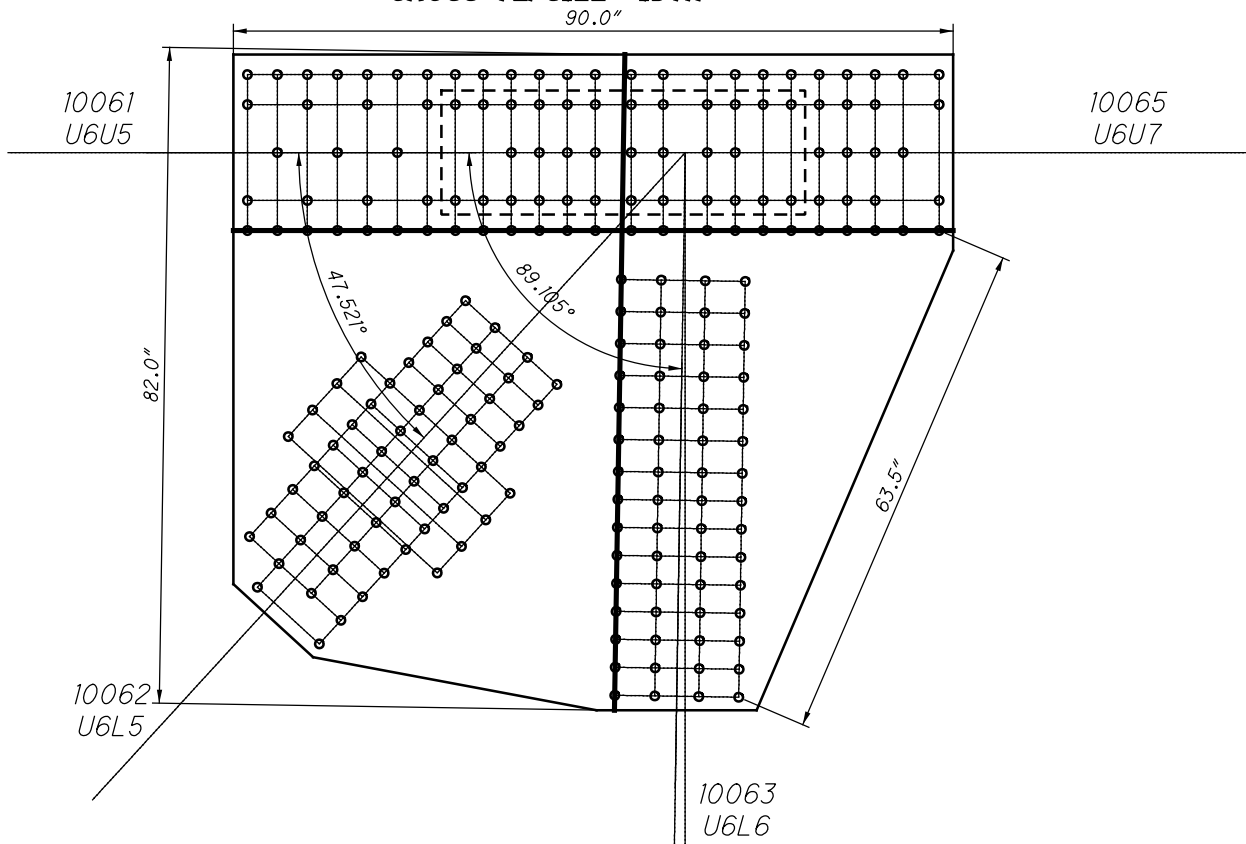
**U6 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



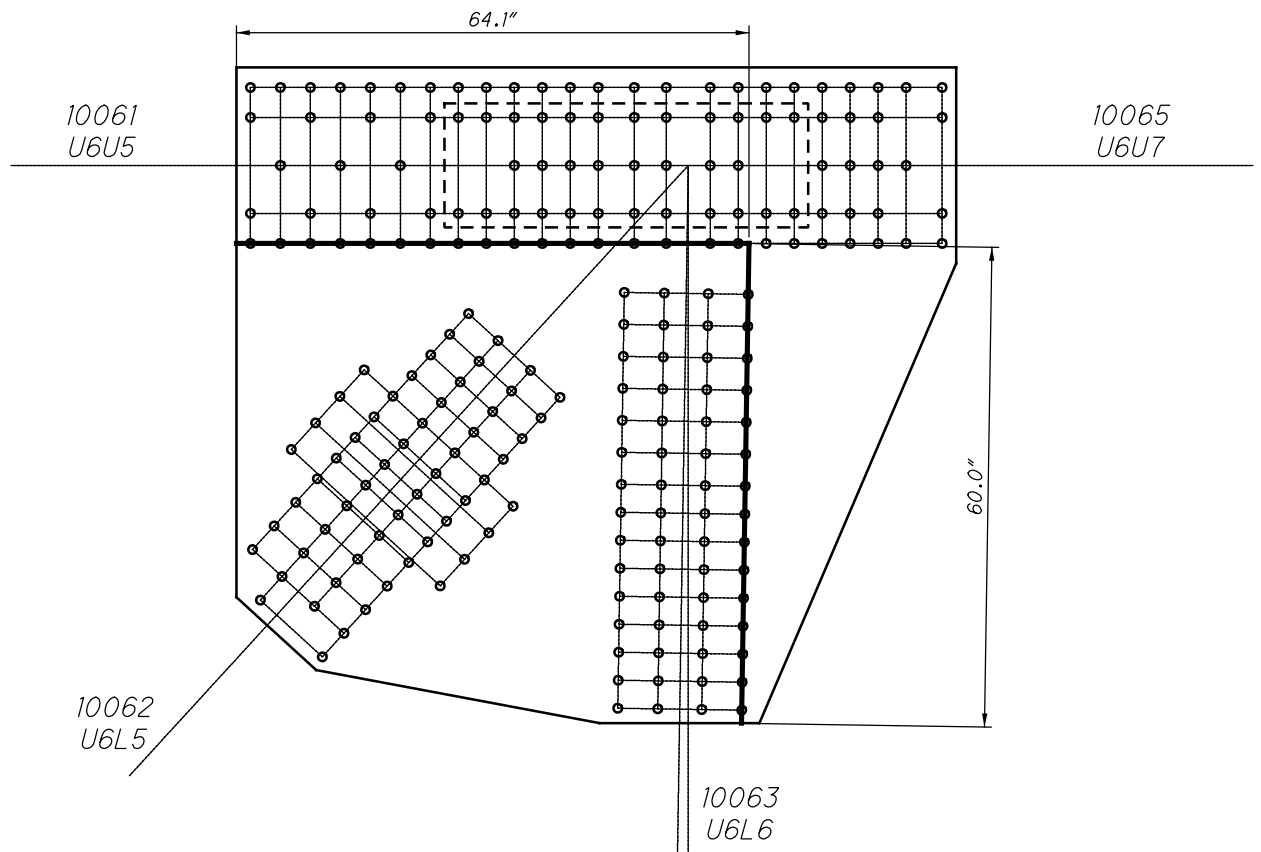
**U6 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



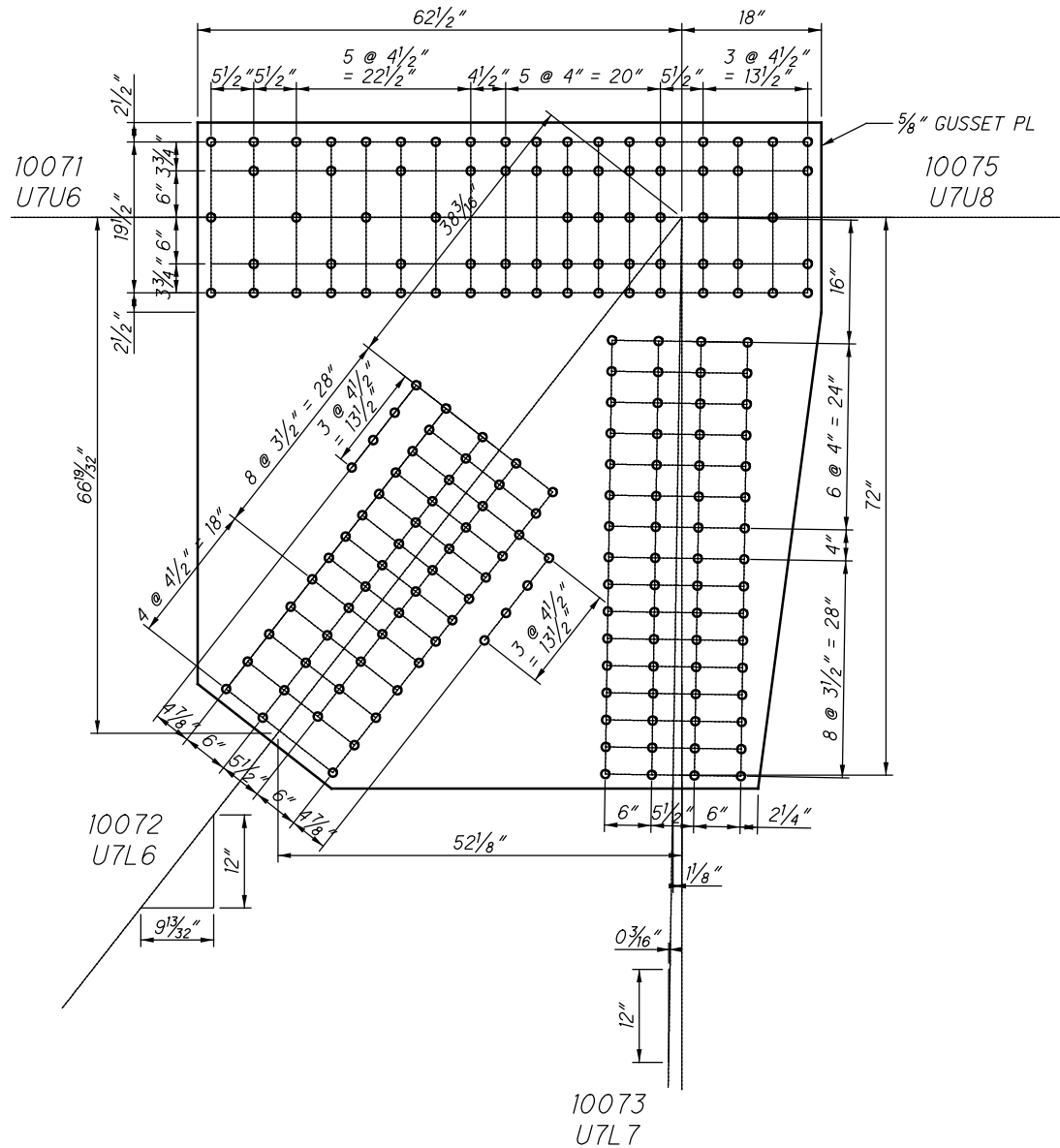
**U6 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



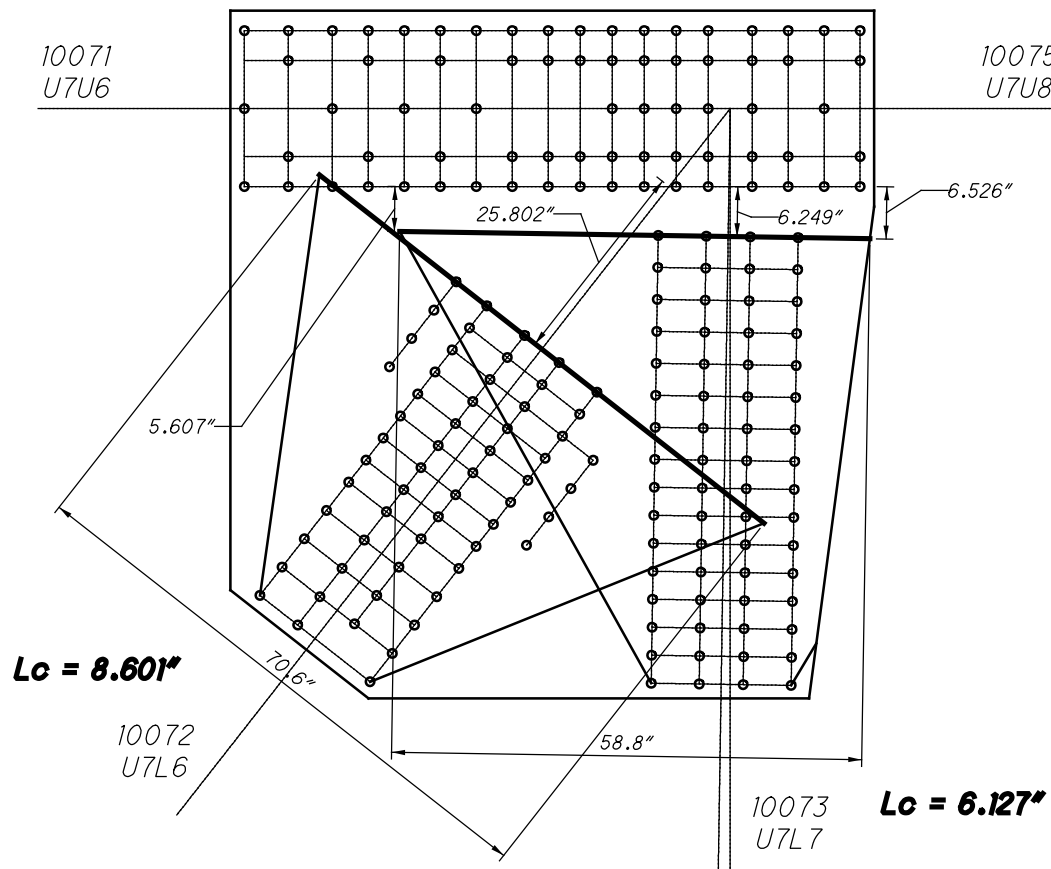
**U6 INSIDE
SHEAR AND FREE EDGE CHECK**



**U6 INSIDE
QUADRANT DIMENSIONS**

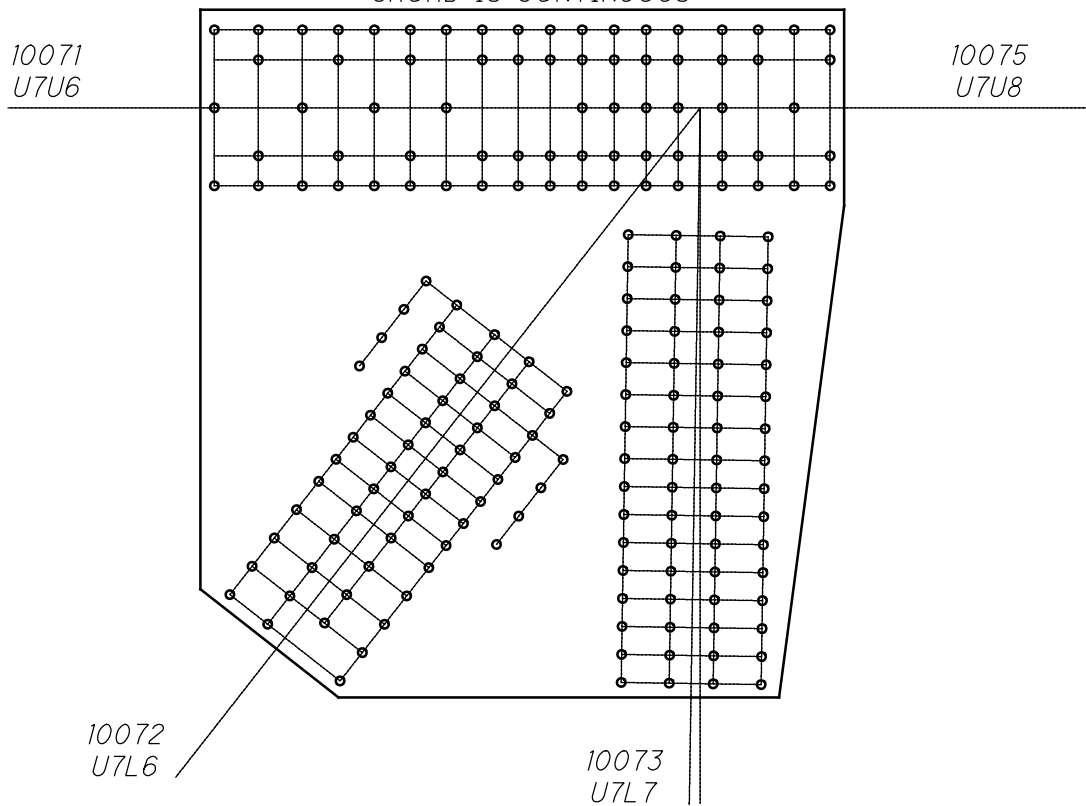


**U7 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

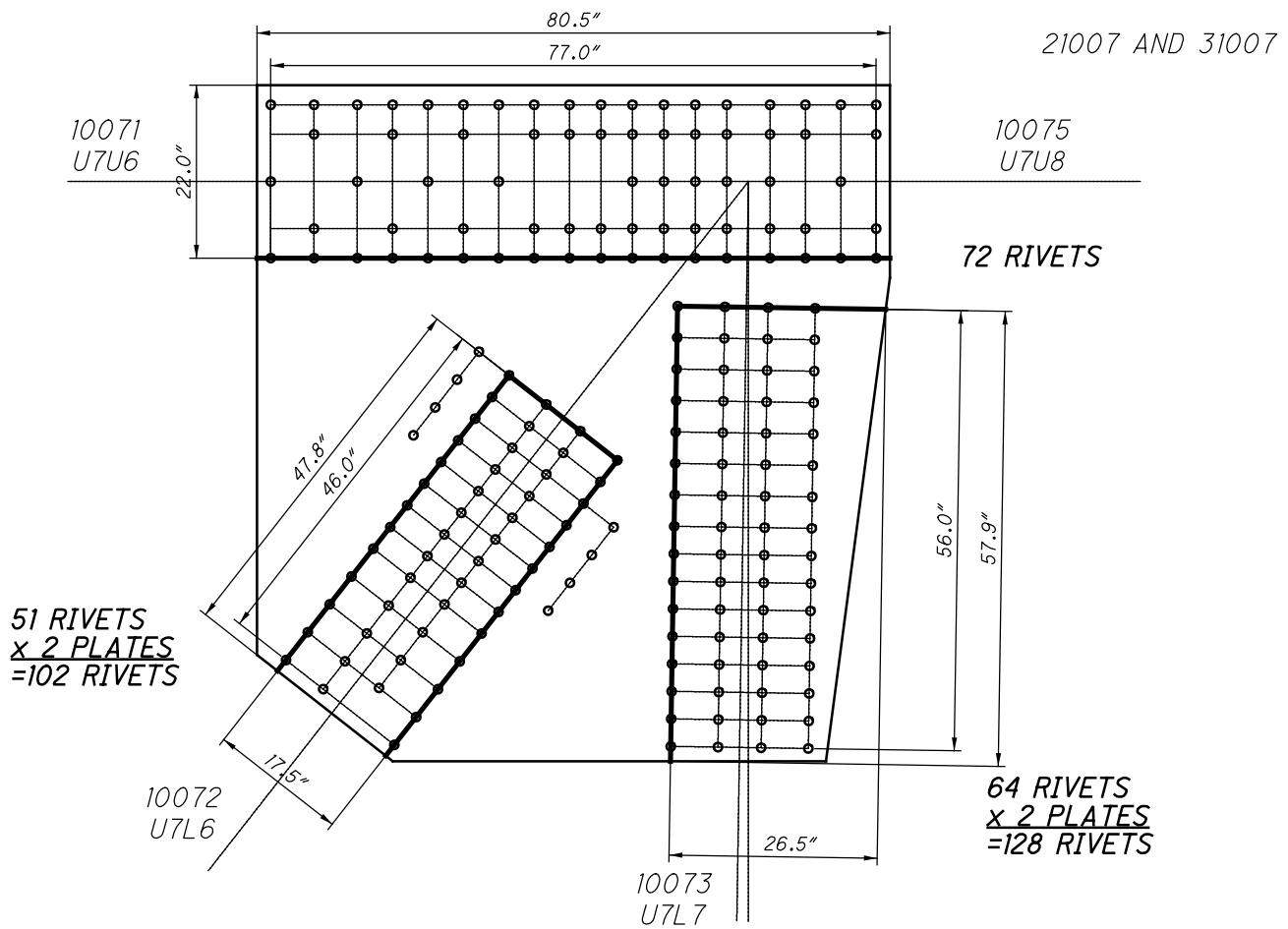


**U7 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

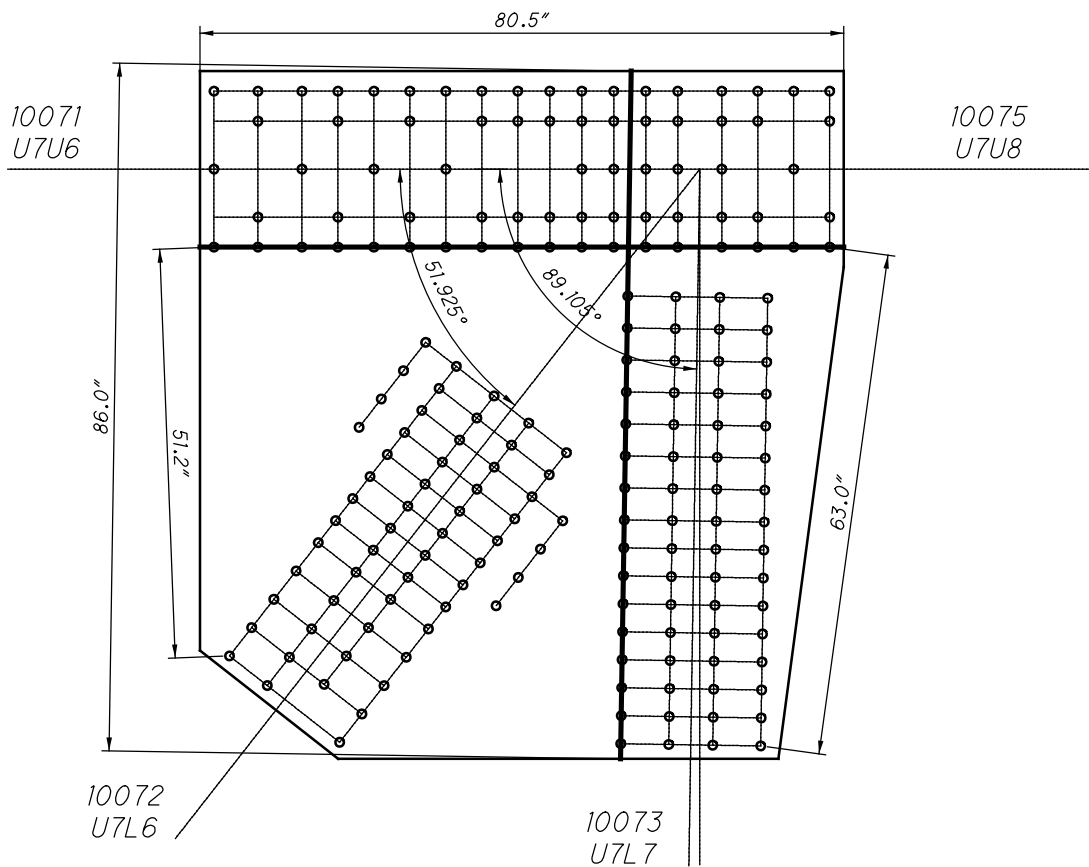
CHORD IS CONTINUOUS



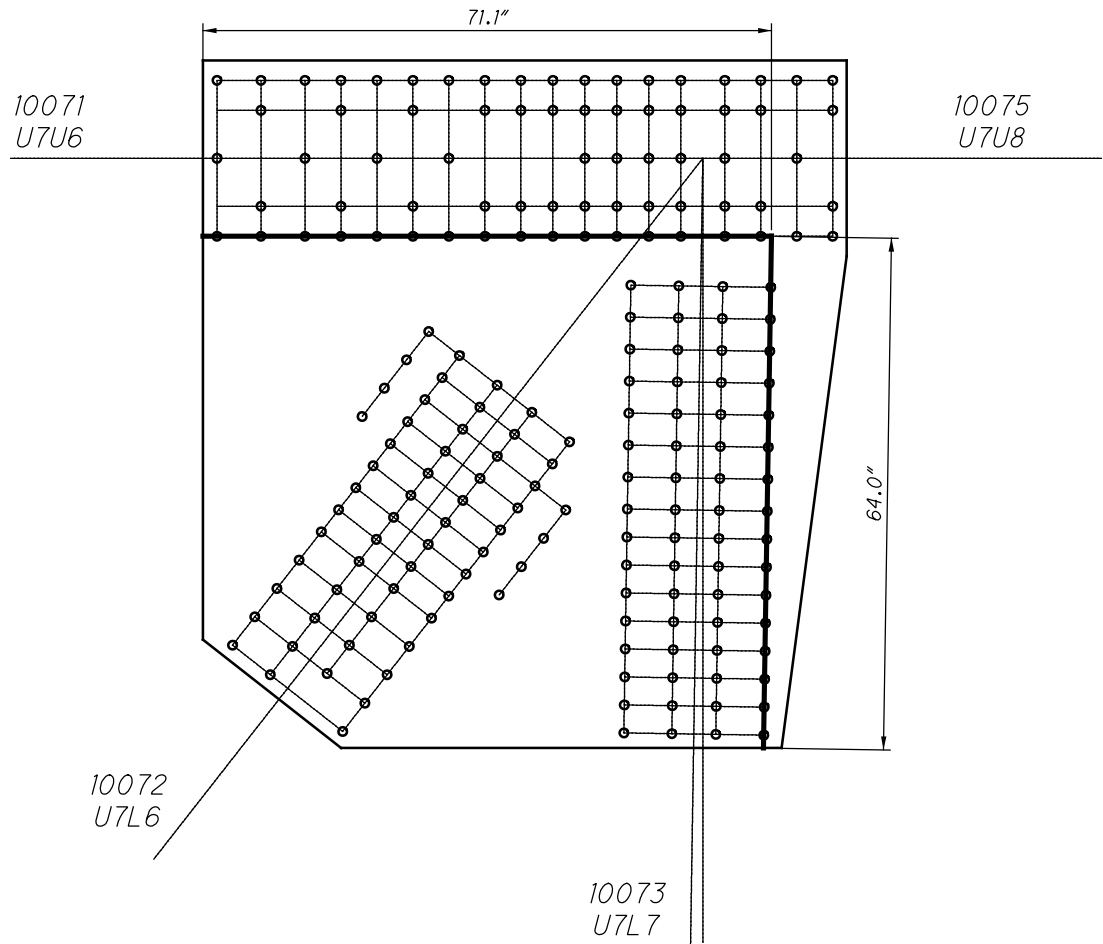
**U7 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



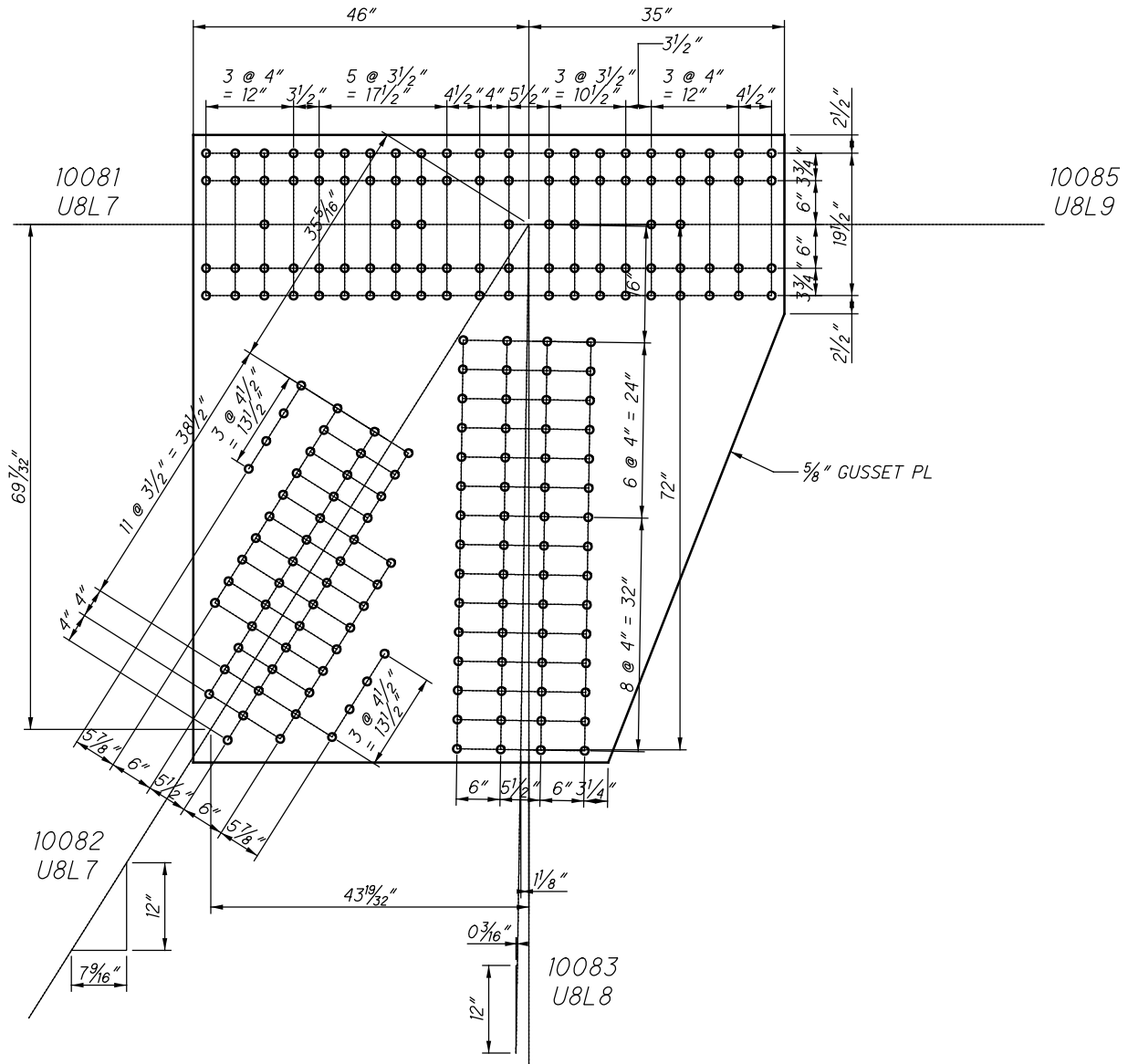
**U7 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



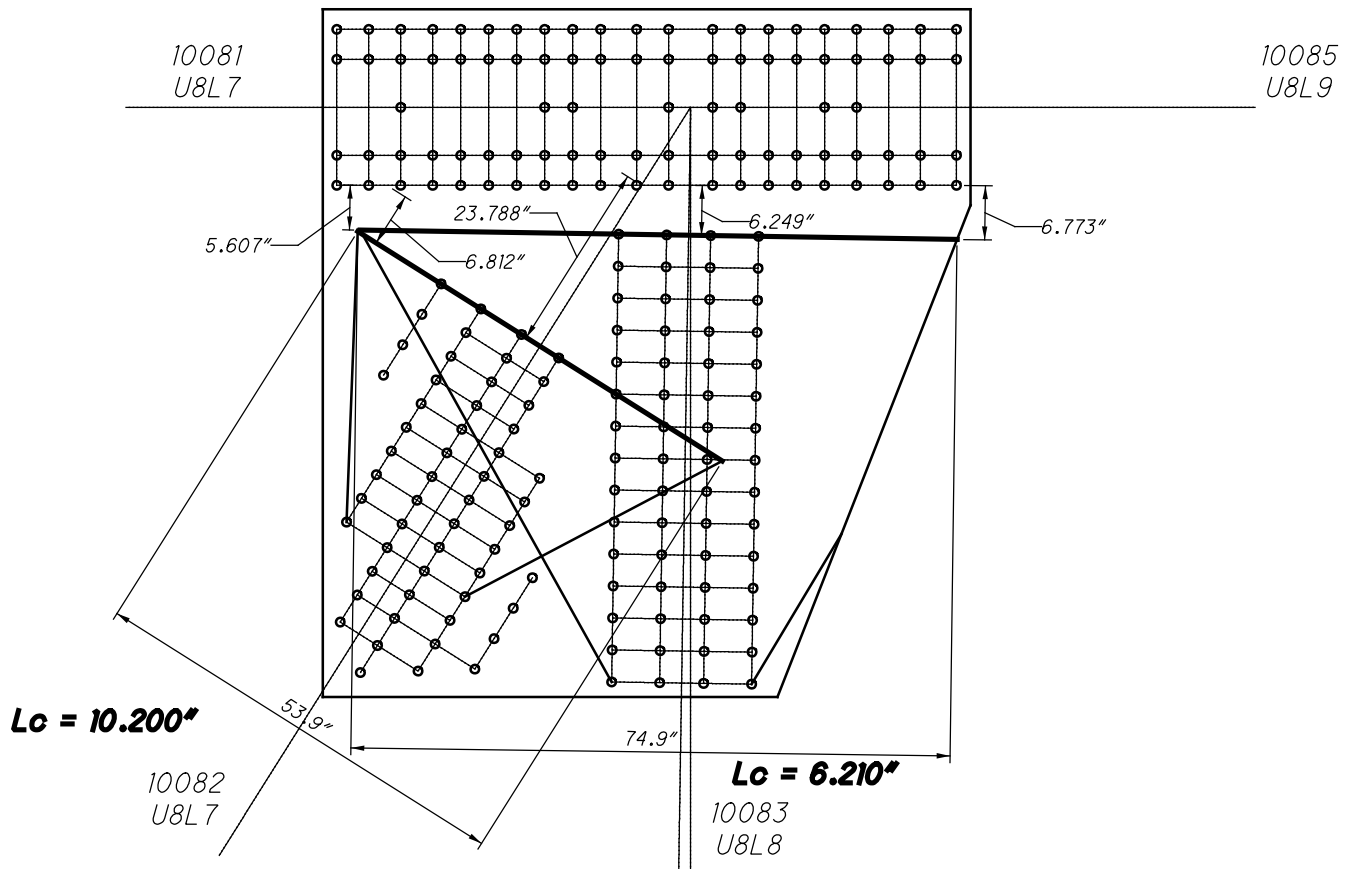
**U7 INSIDE
SHEAR AND FREE EDGE CHECK**



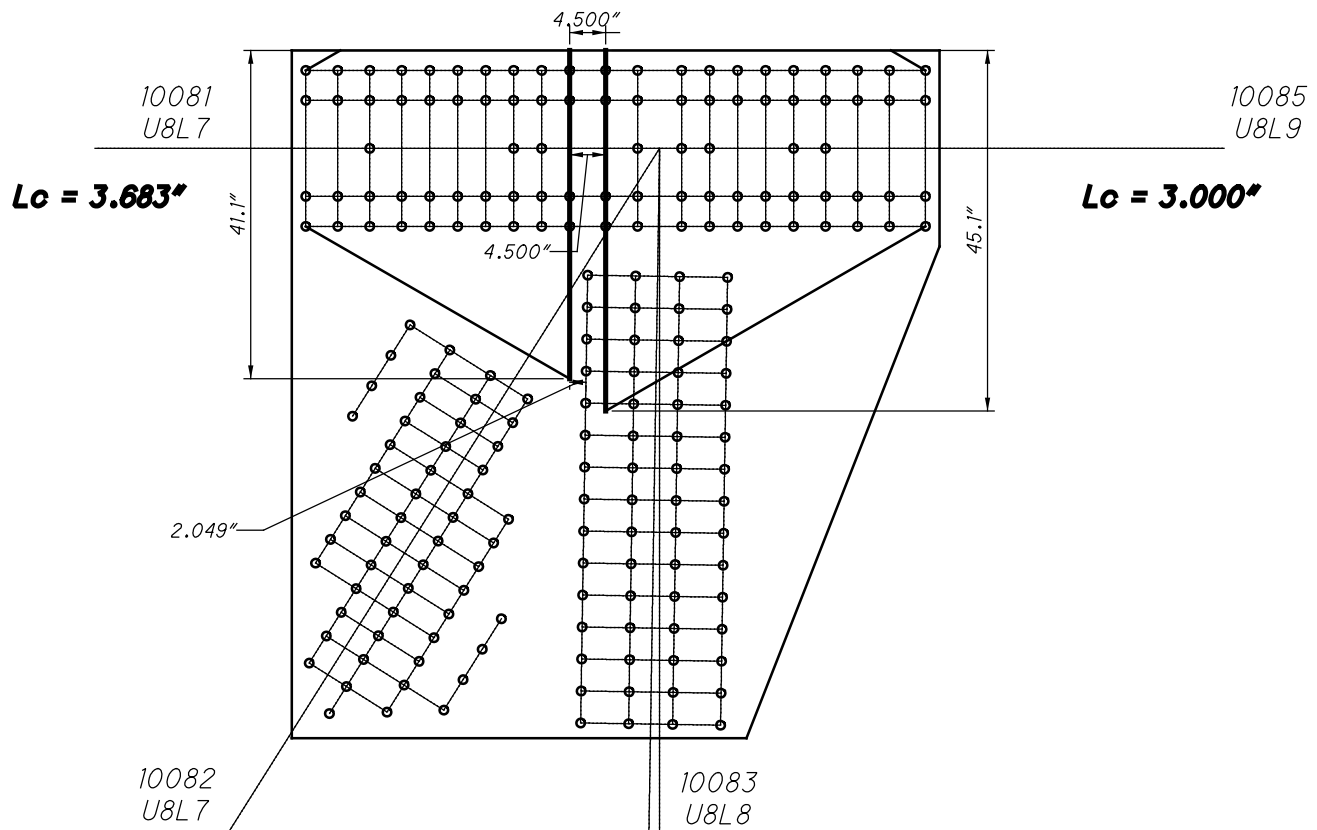
**U7 INSIDE
QUADRANT DIMENSIONS**



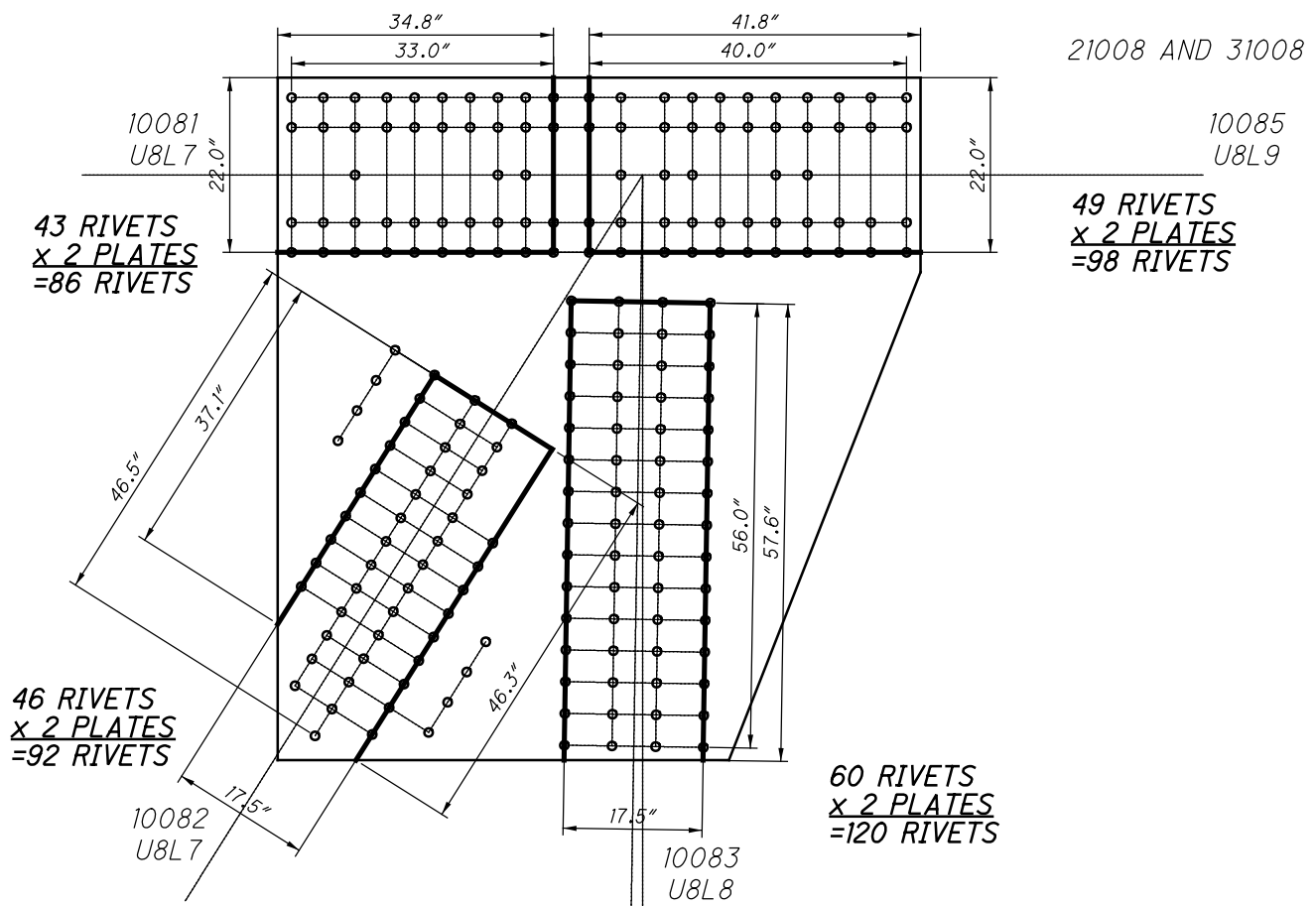
**U8 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



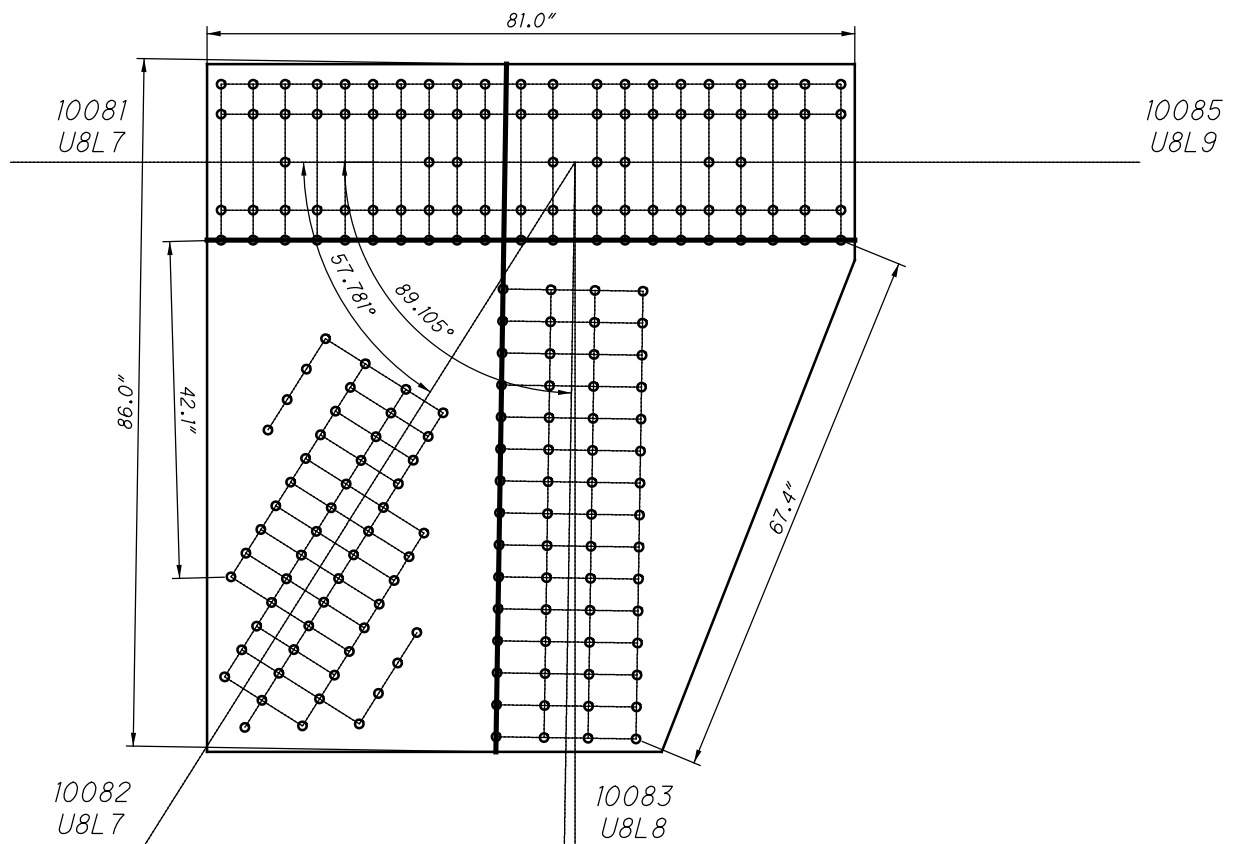
**U8 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



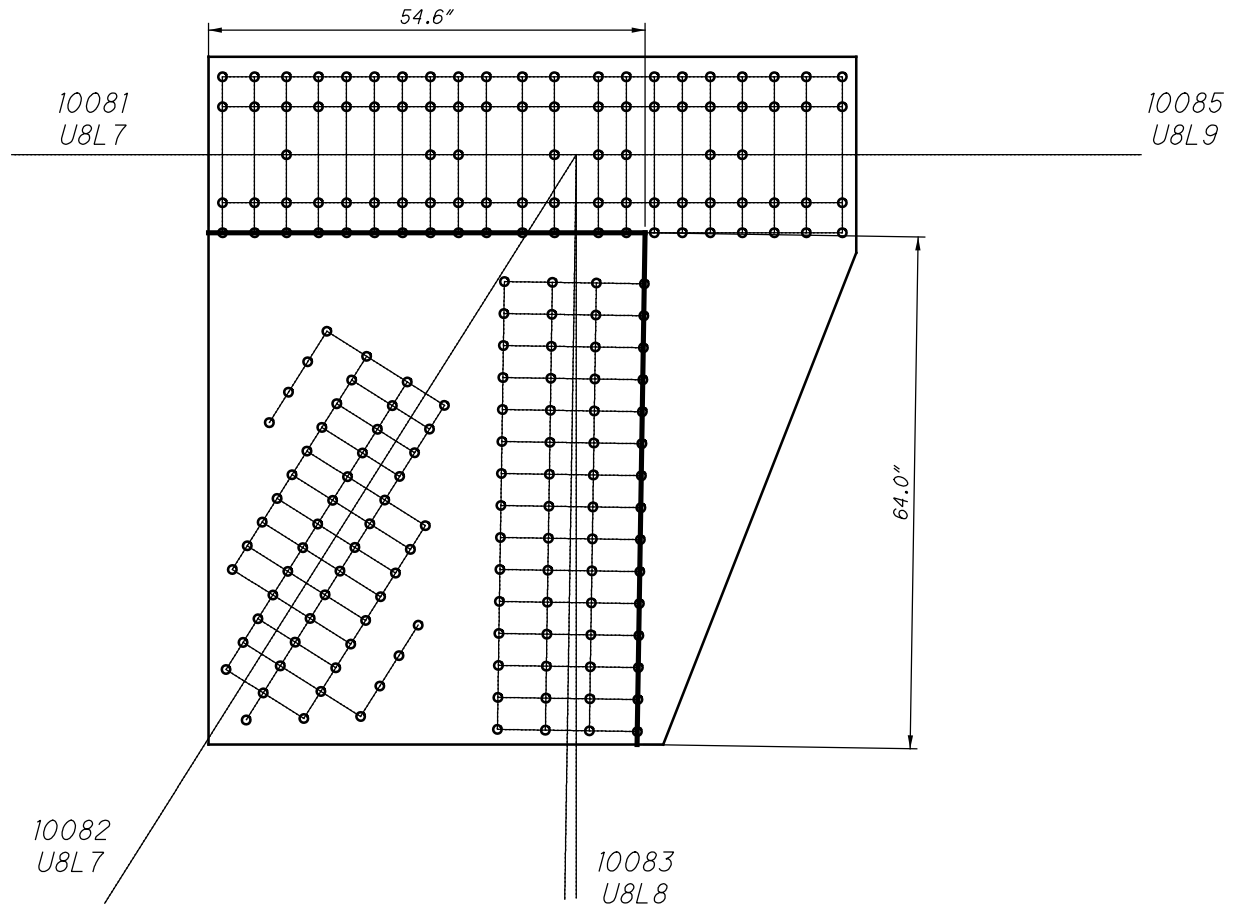
**U8 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



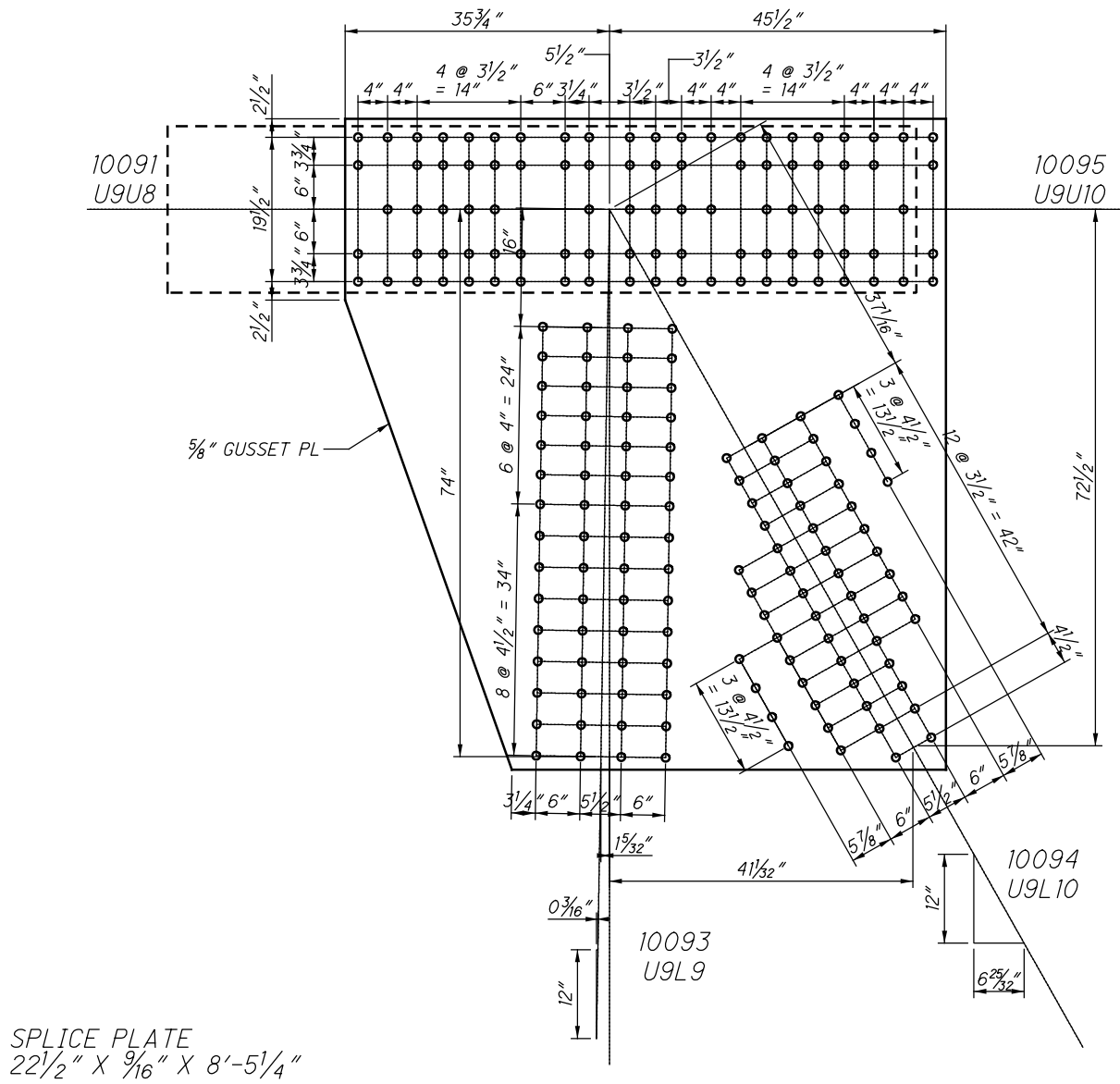
**U8 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U8 INSIDE
SHEAR AND FREE EDGE CHECK**

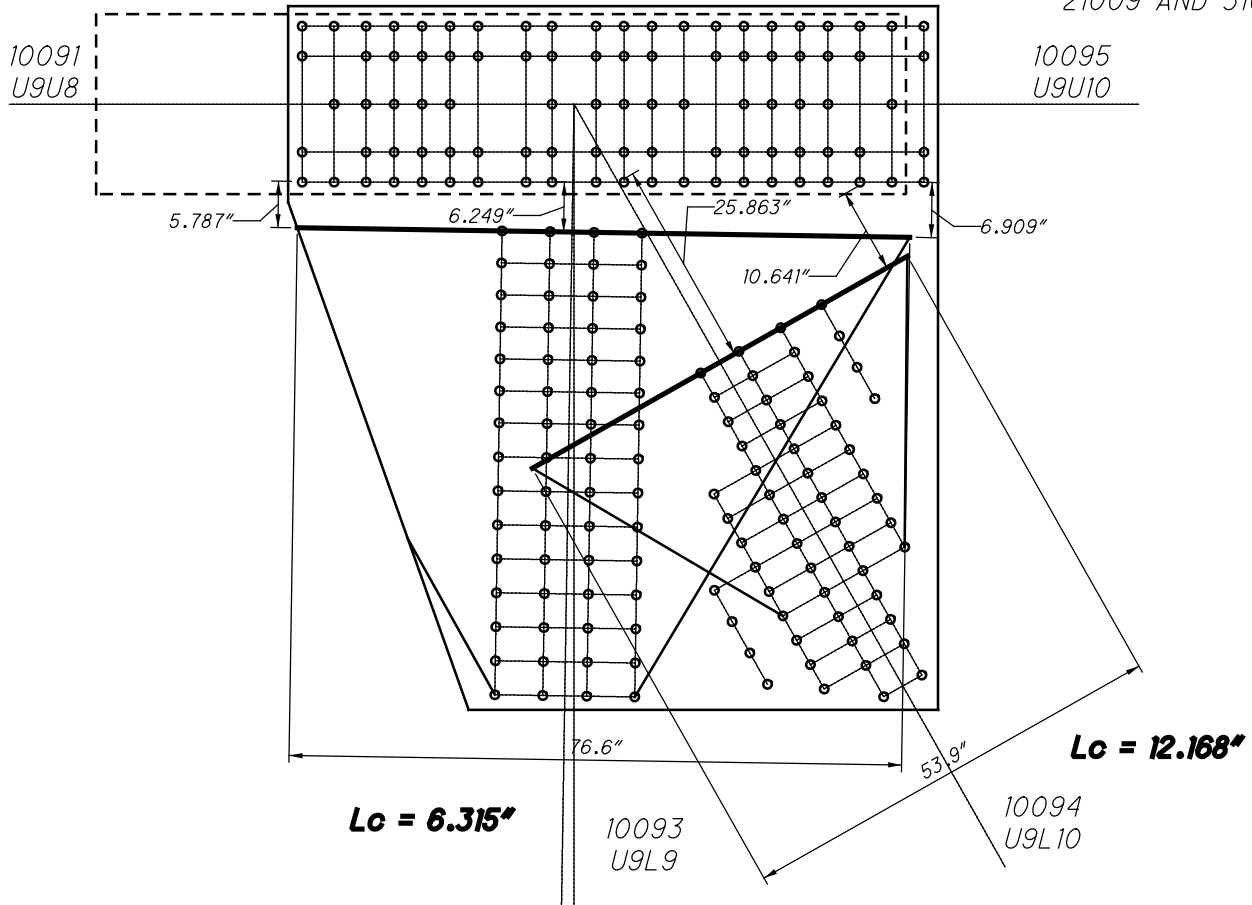


**U8 INSIDE
QUADRANT DIMENSIONS**

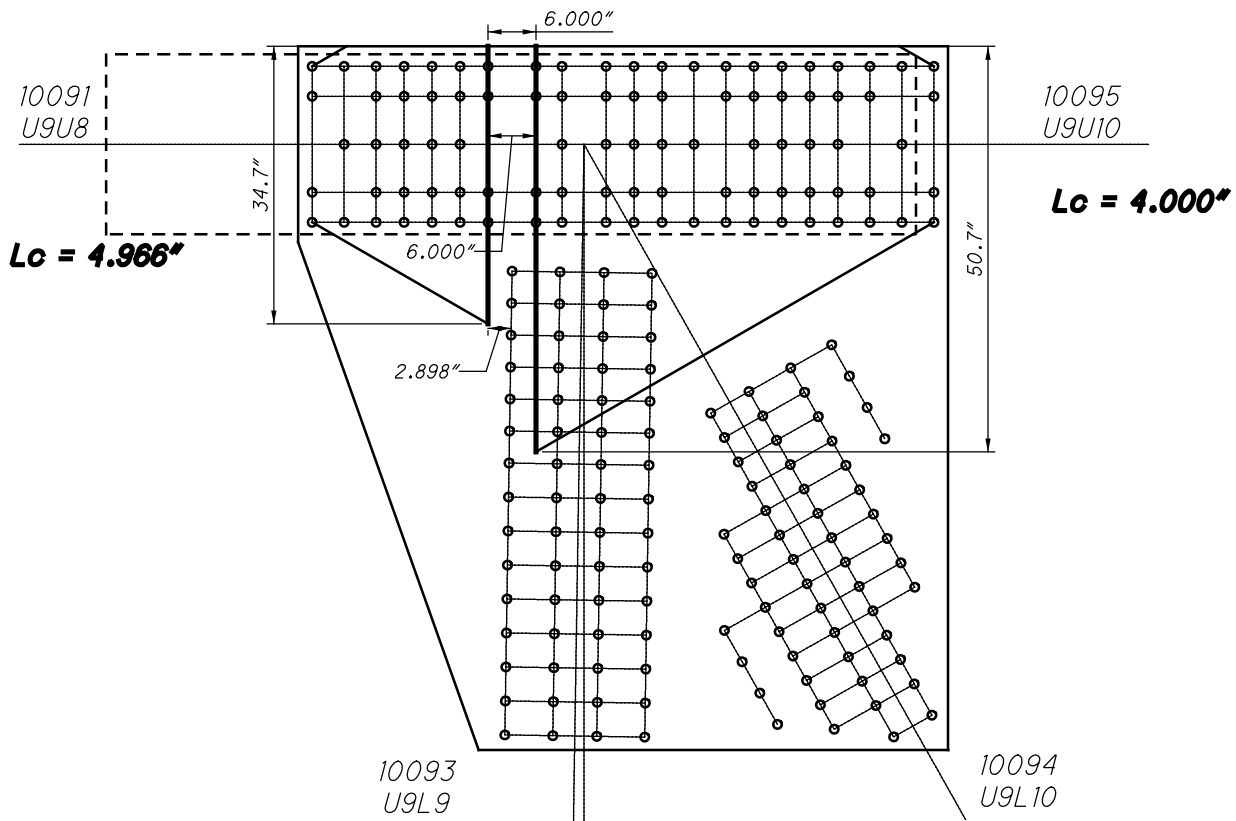


**U9 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

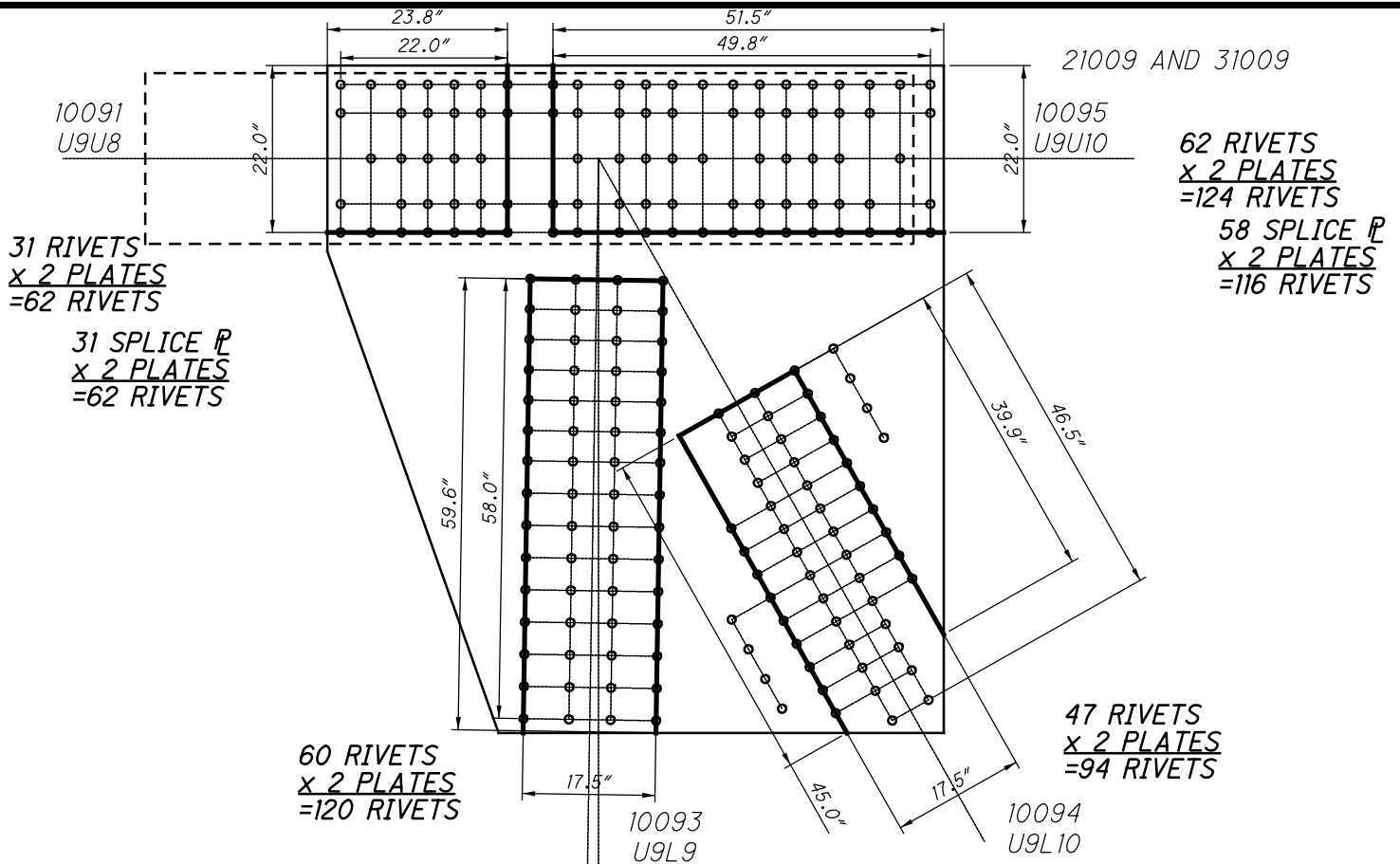
21009 AND 31009



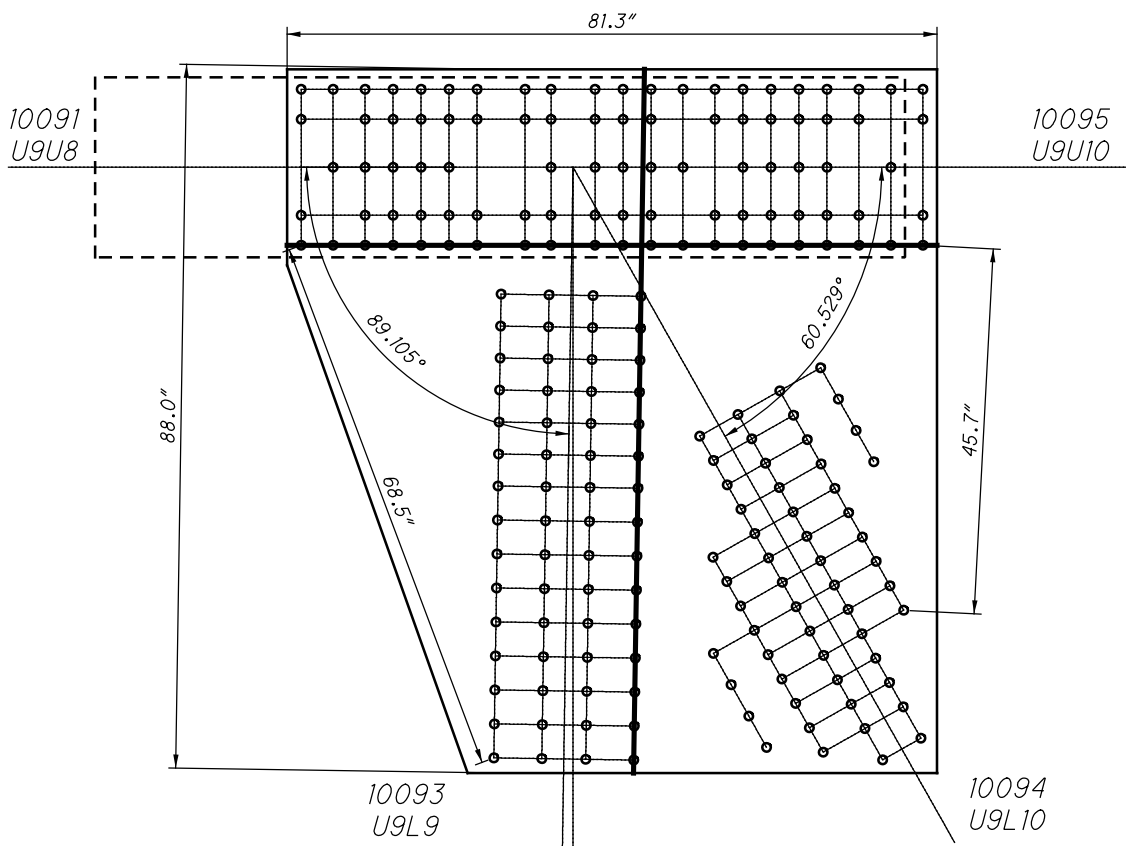
**U9 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



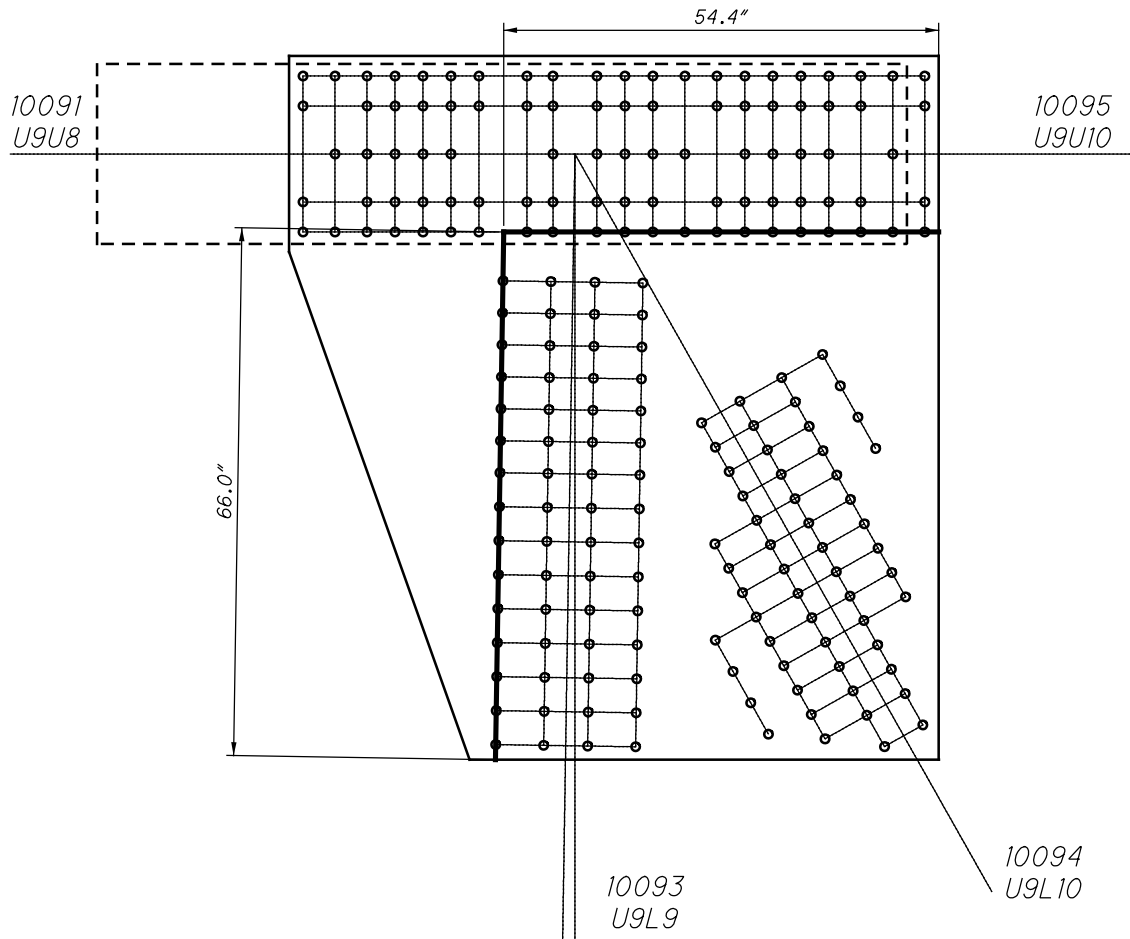
**U9 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



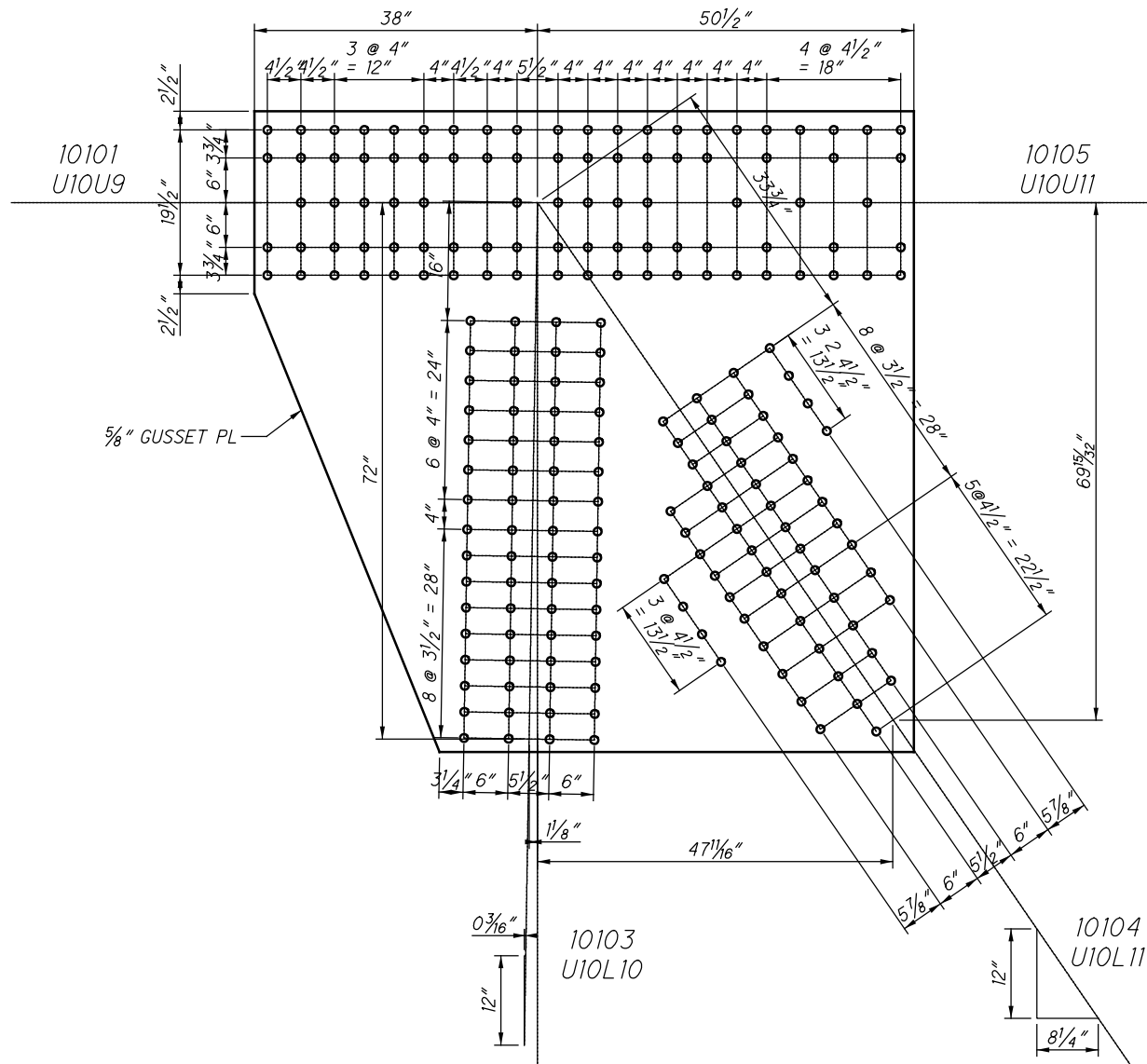
**U9 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



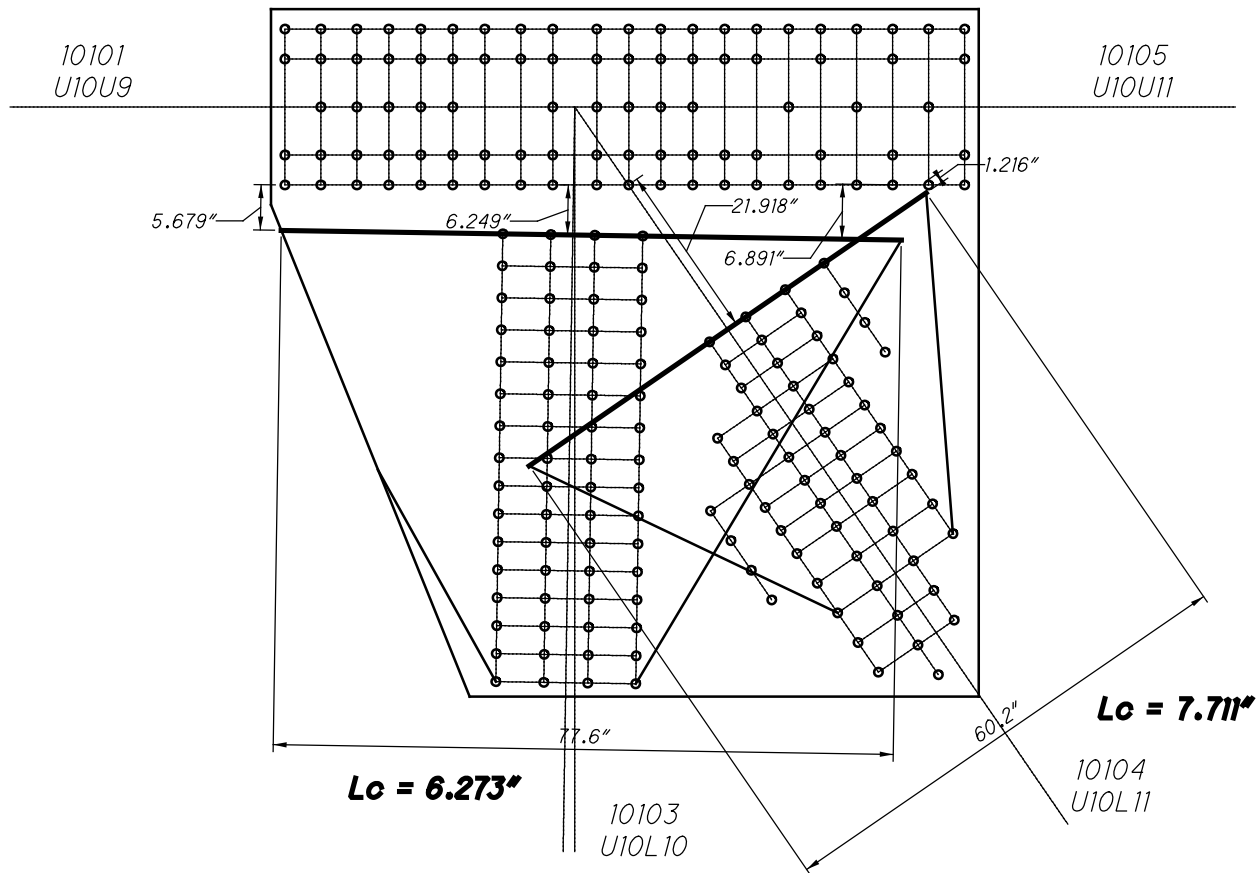
**U9 INSIDE
SHEAR AND FREE EDGE CHECK**



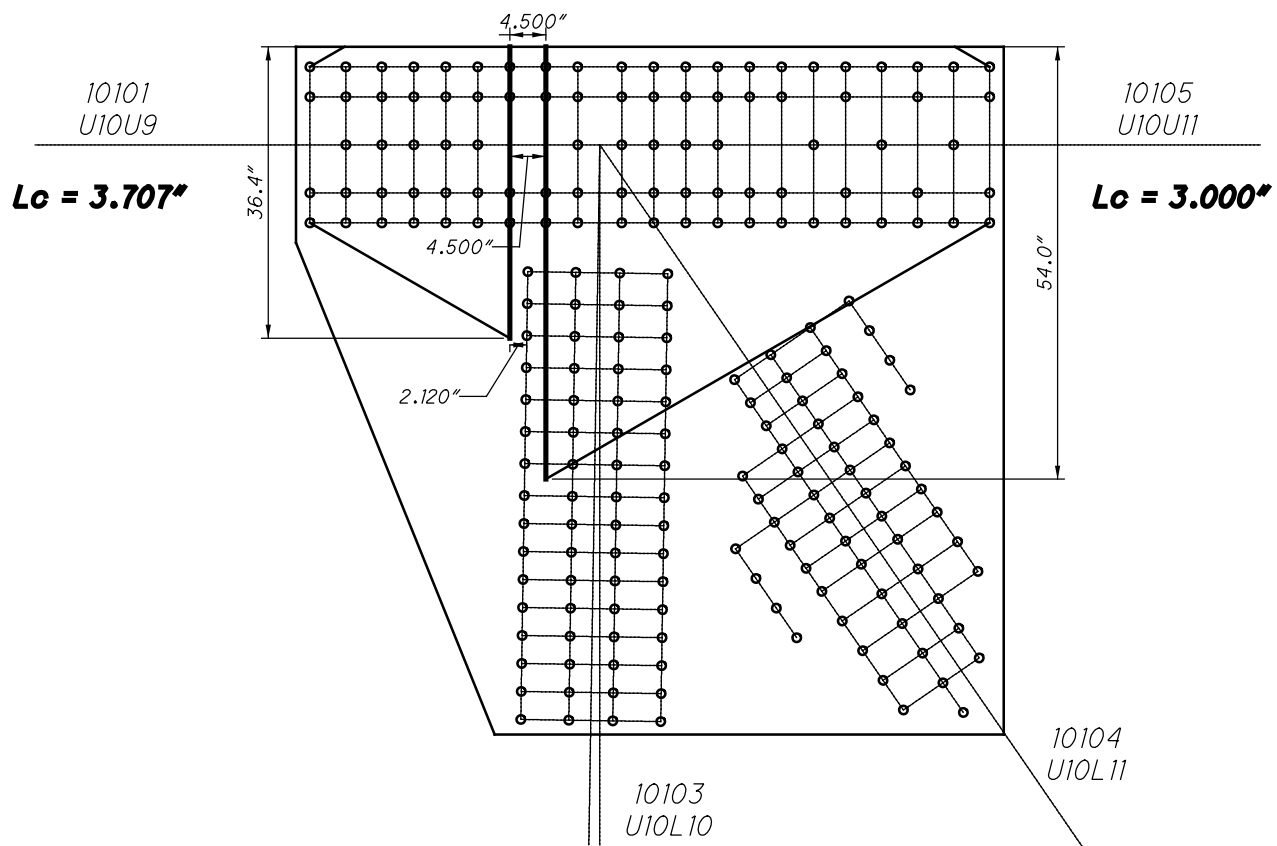
**U9 INSIDE
QUADRANT DIMENSIONS**



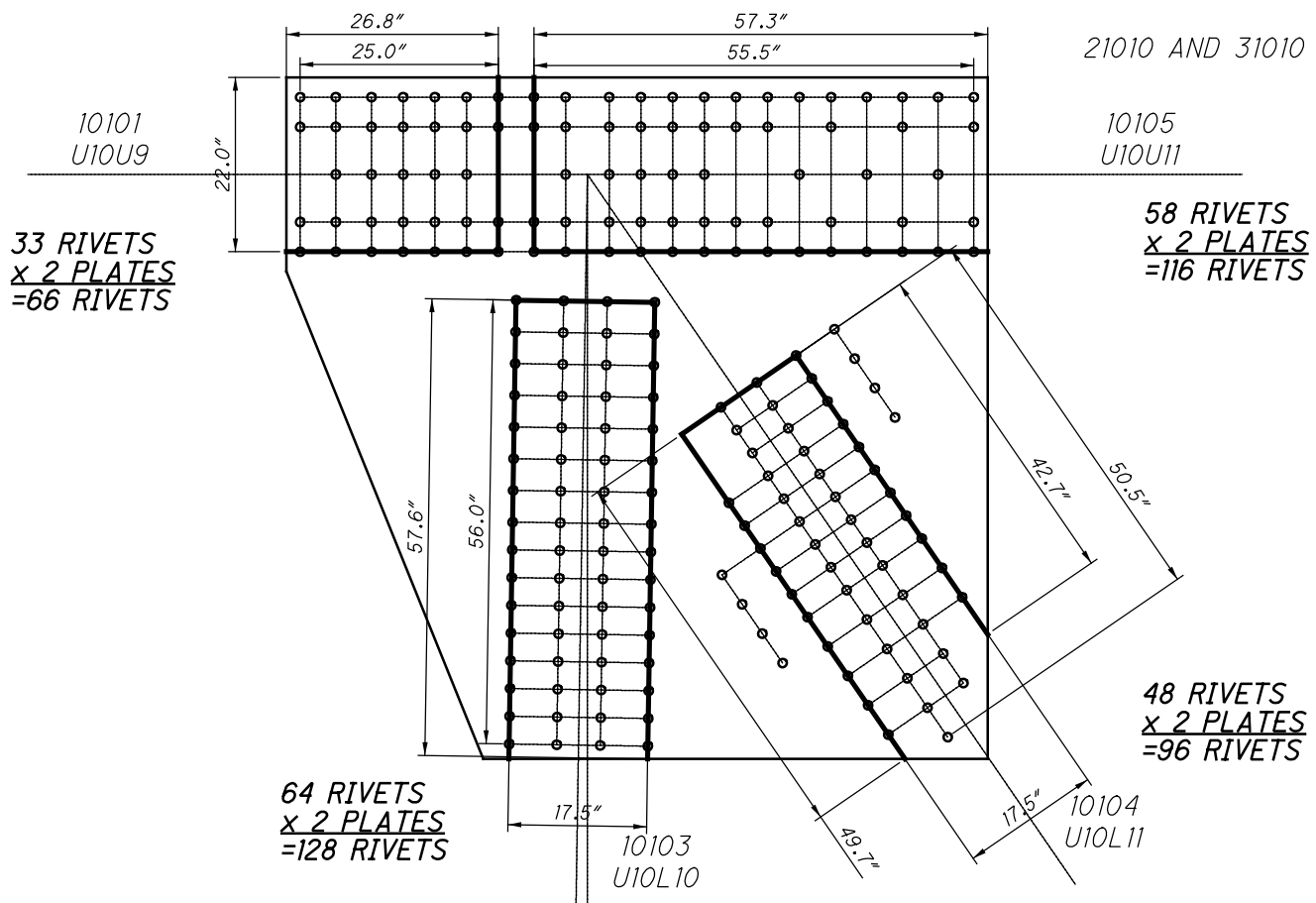
**U10 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



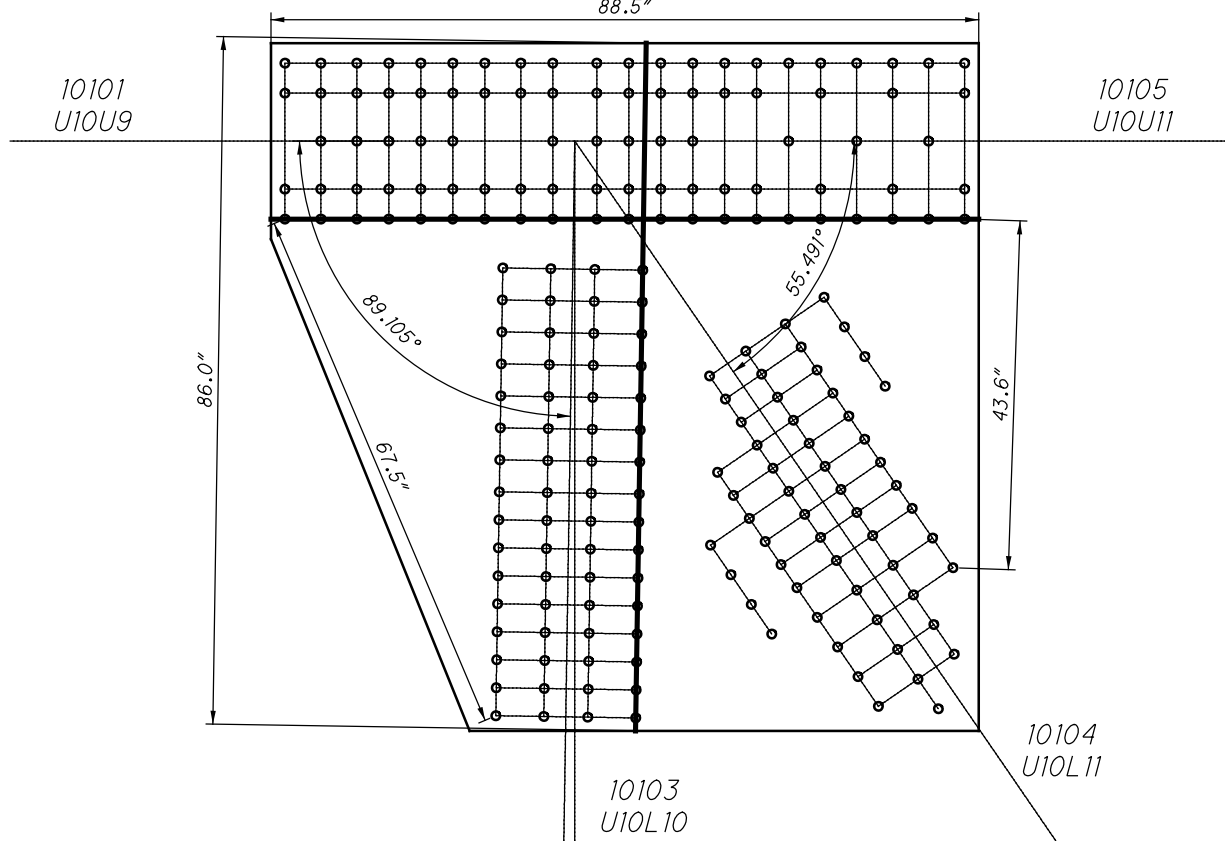
**U10 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



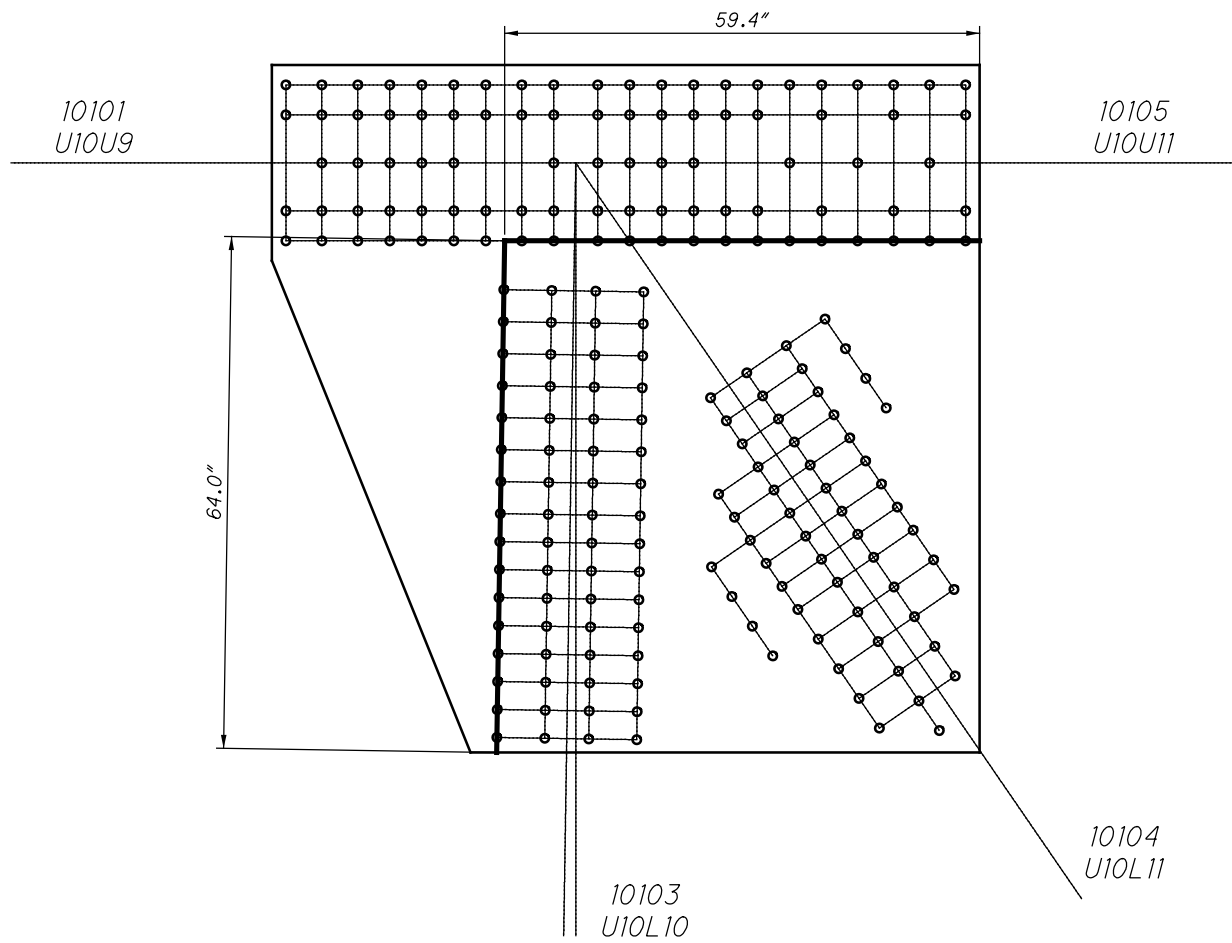
**U10 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



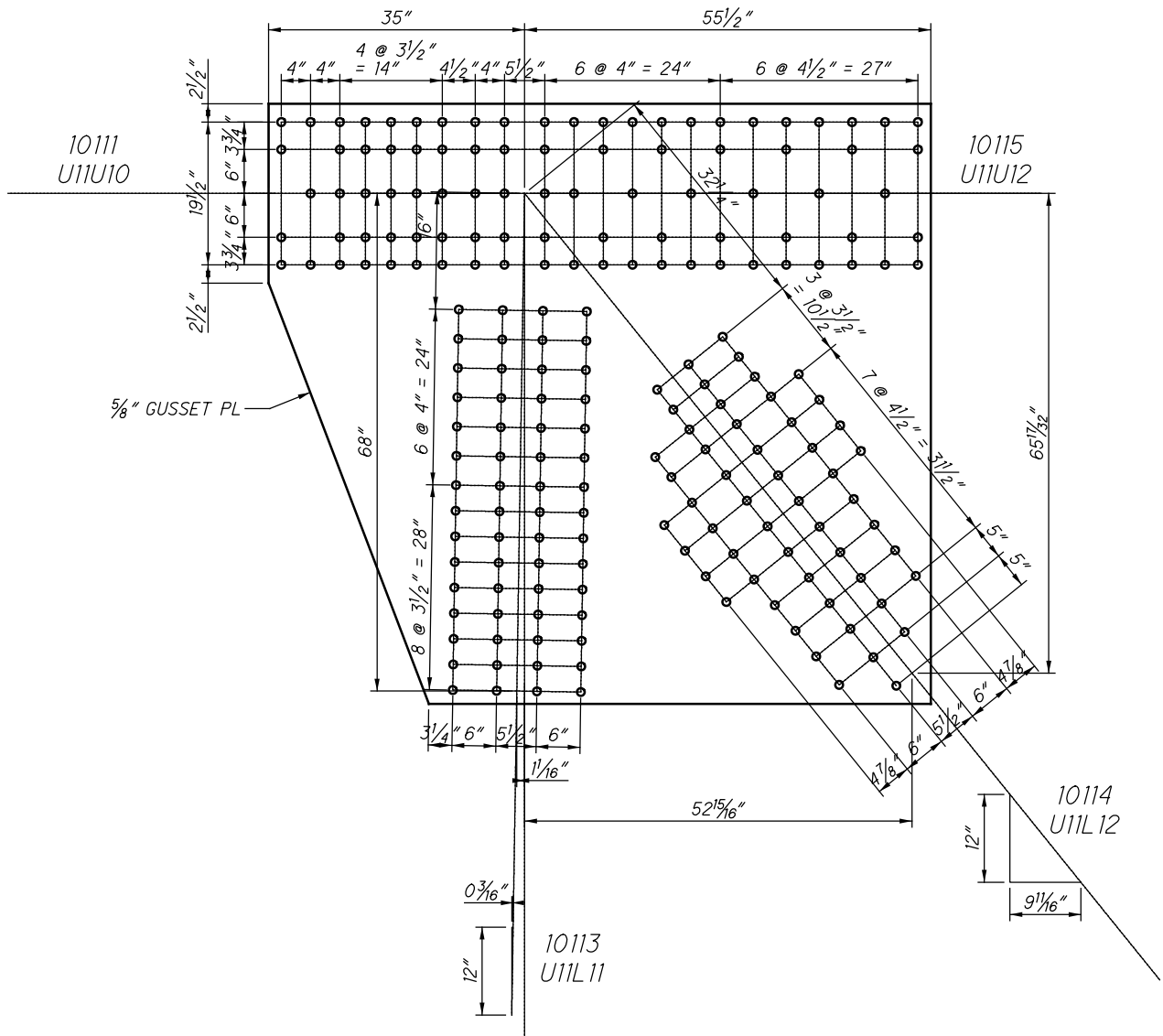
**U10 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



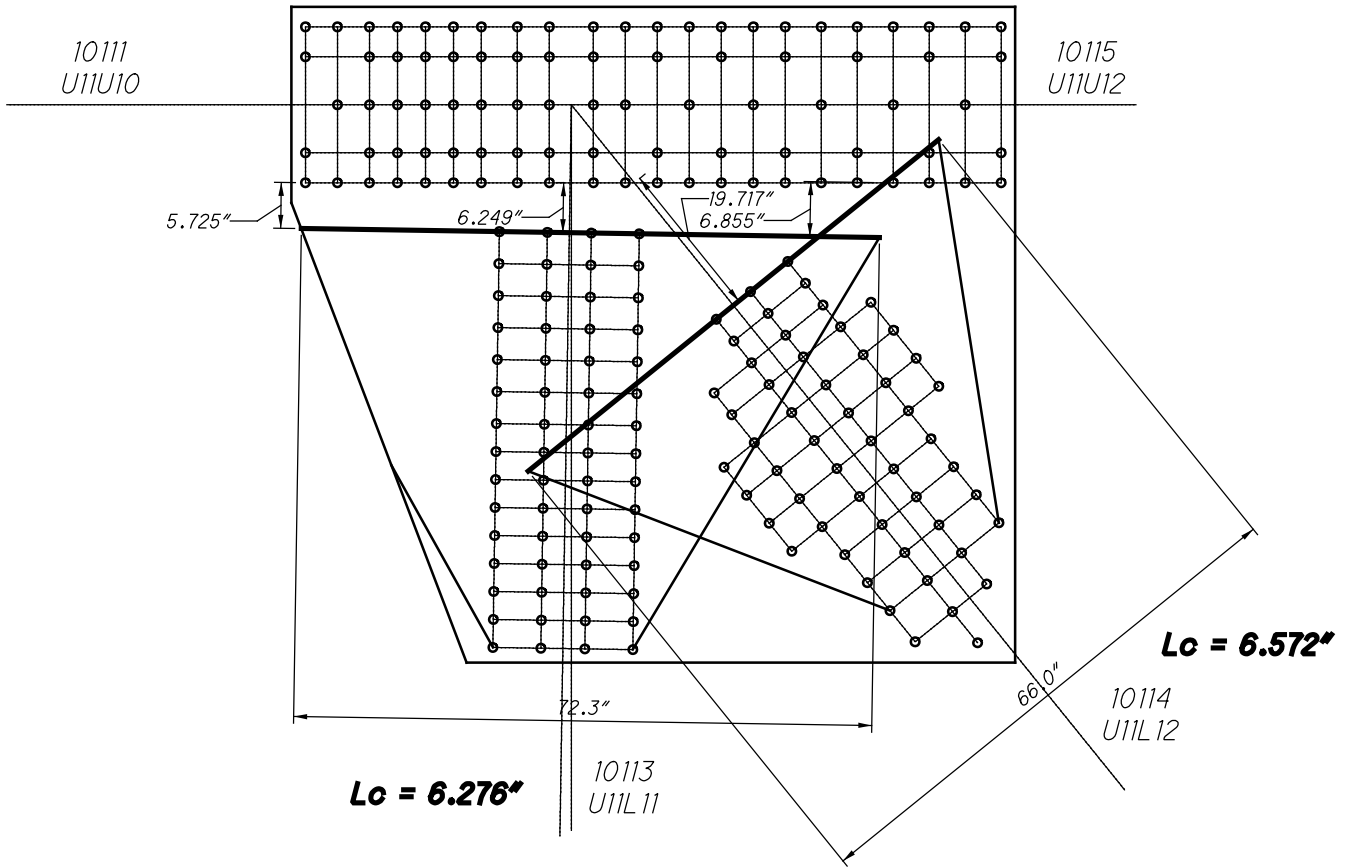
**U10 INSIDE
SHEAR AND FREE EDGE CHECK**



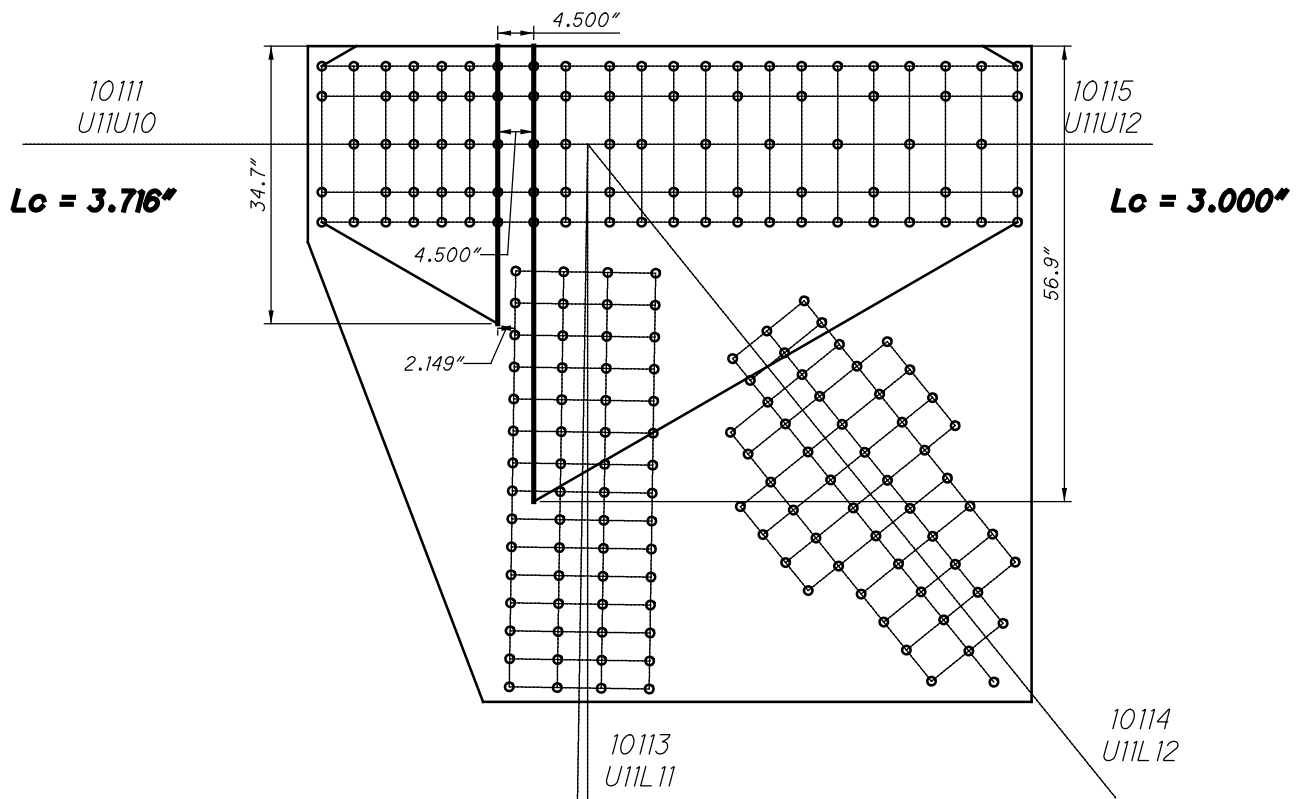
**U10 INSIDE
QUADRANT DIMENSIONS**



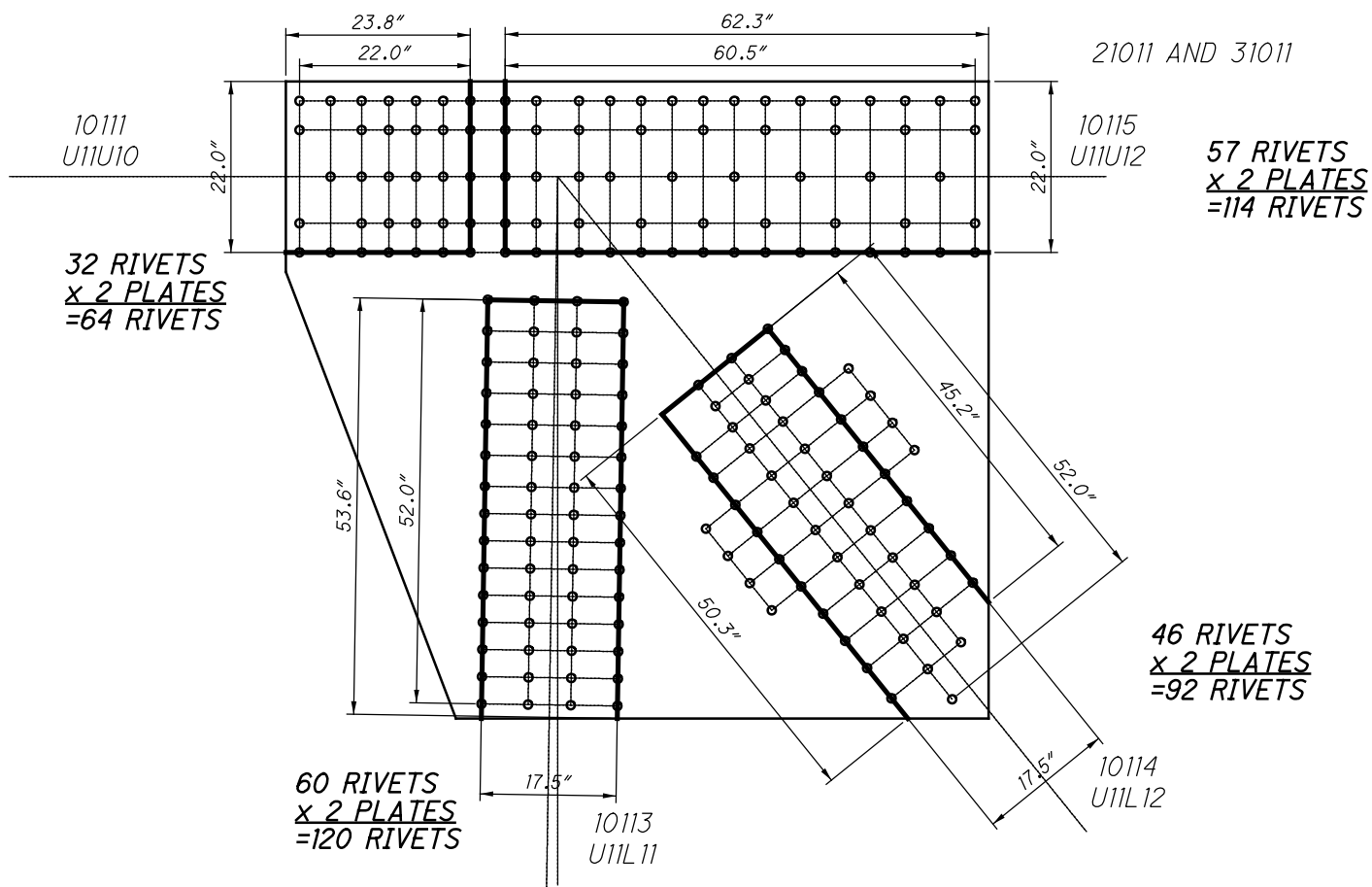
**U11 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



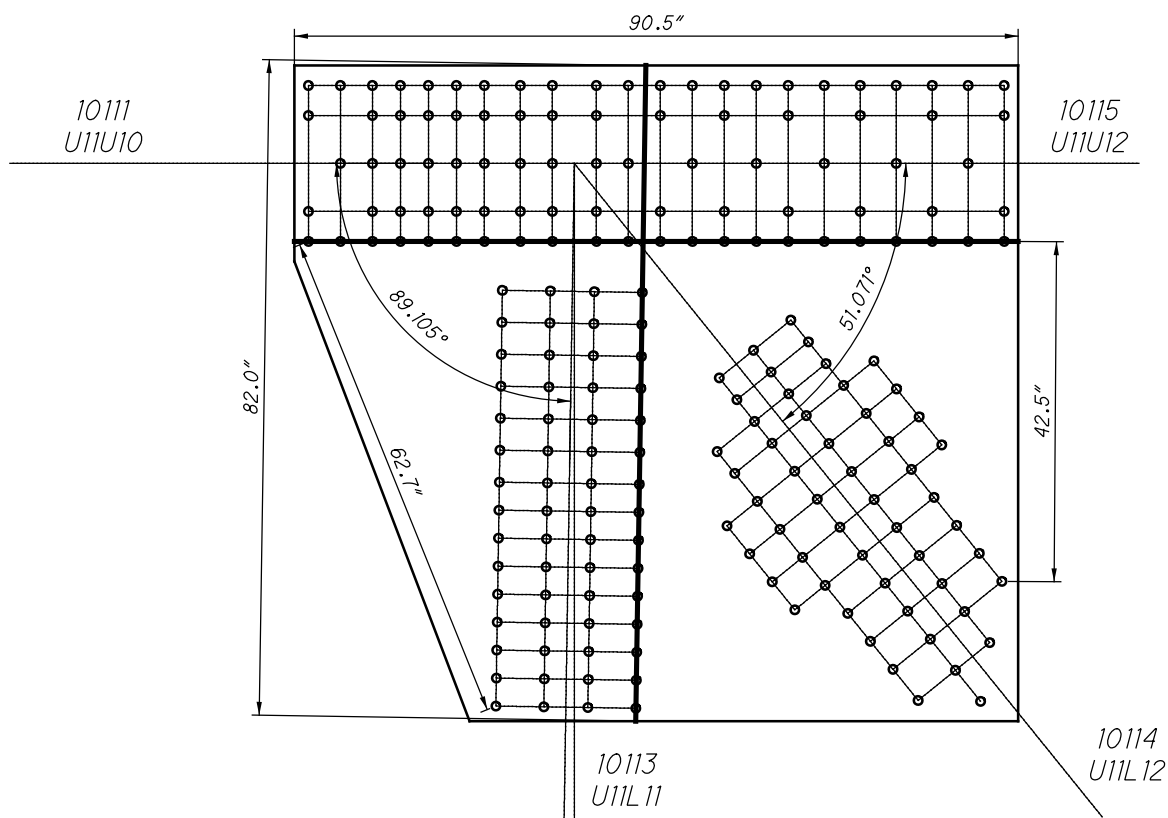
**U11 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



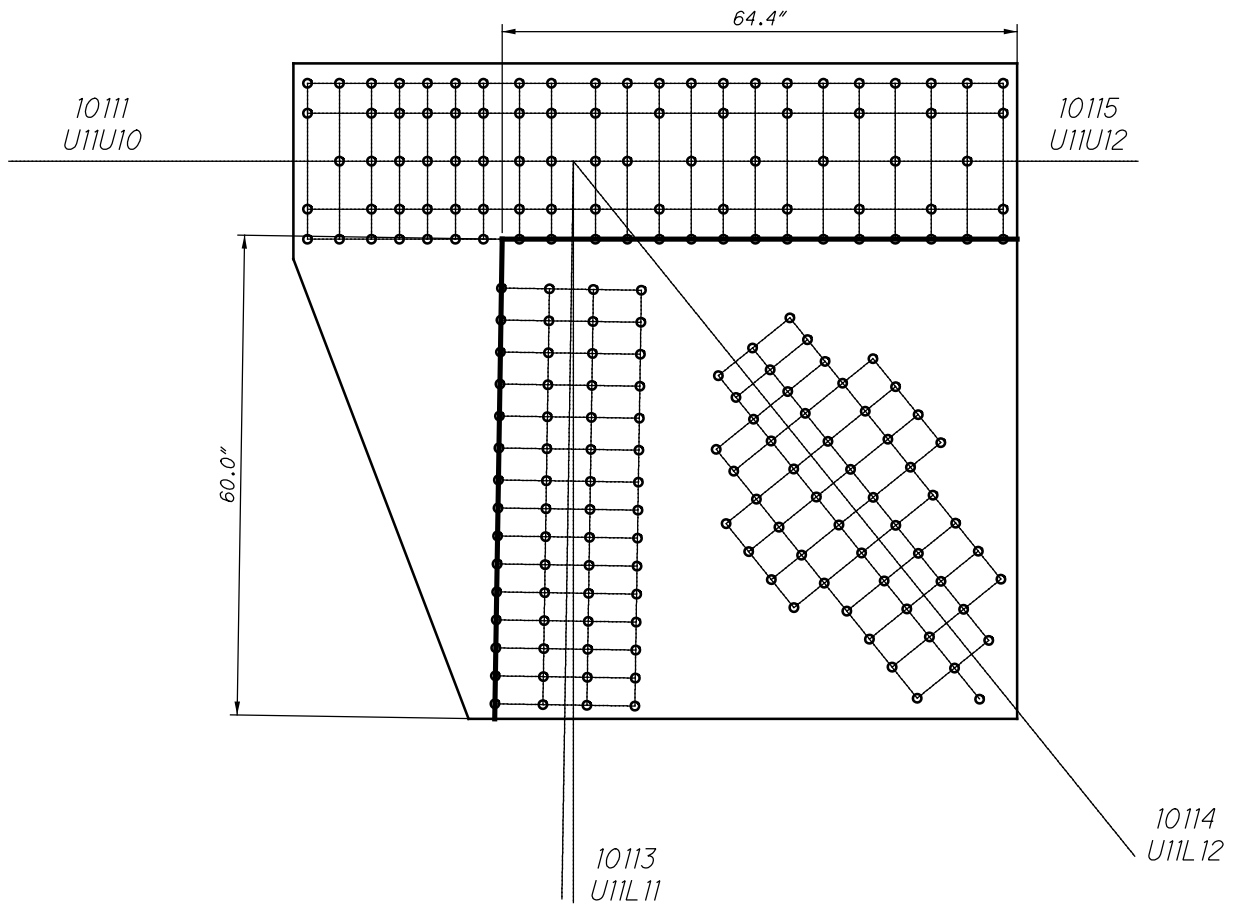
**U11 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



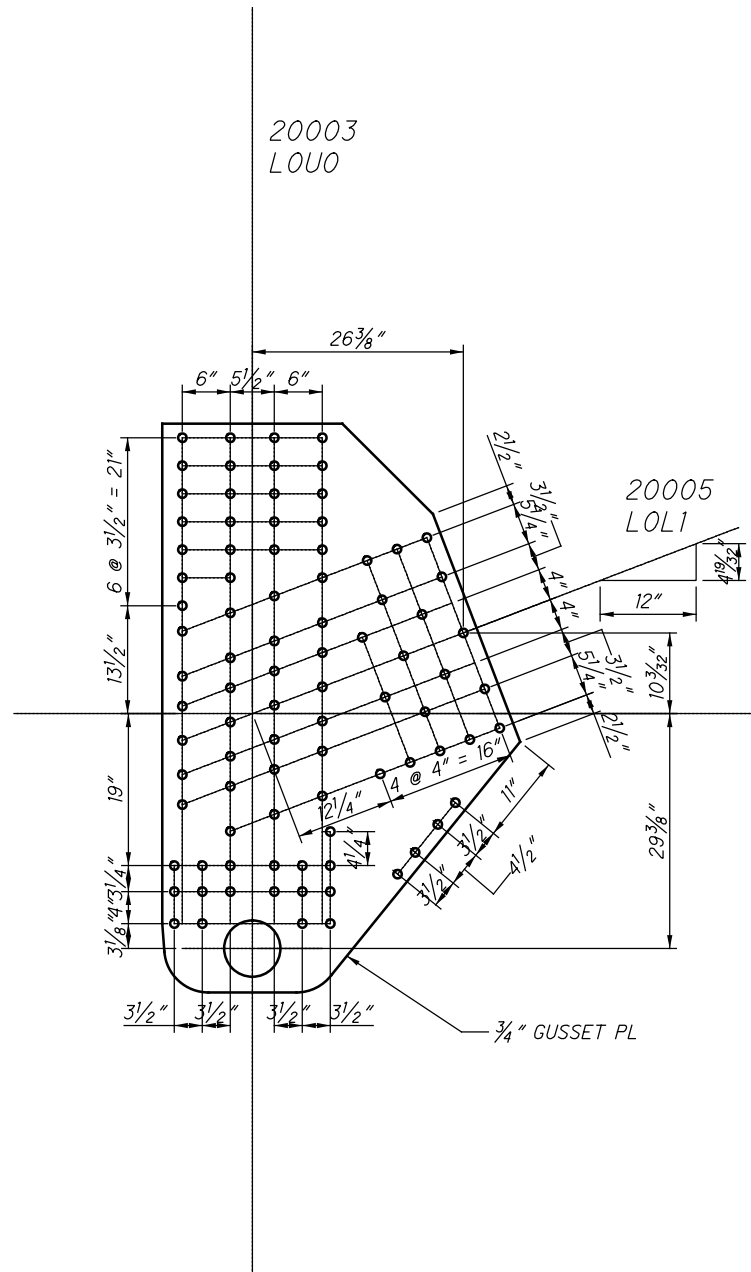
**U11 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U11 INSIDE
SHEAR AND FREE EDGE CHECK**



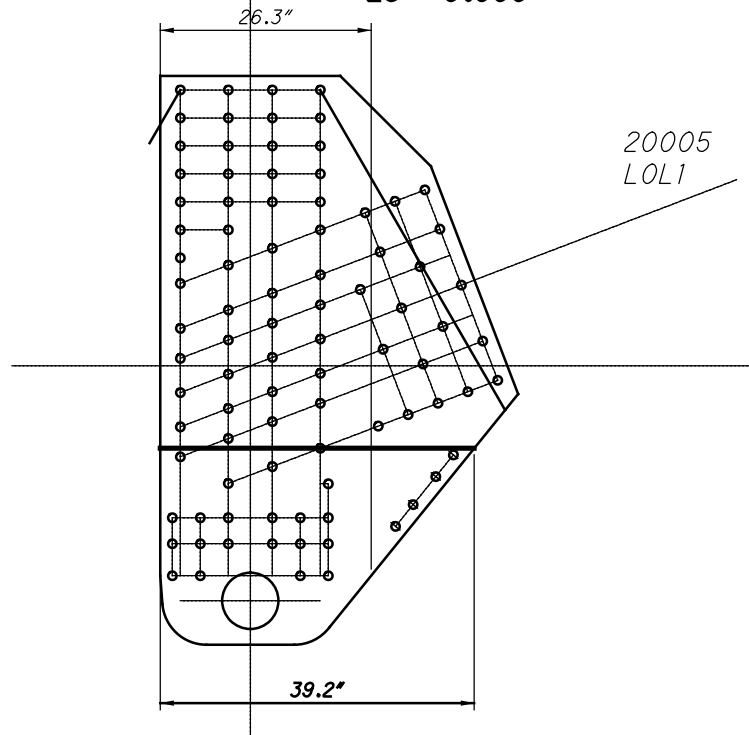
**U11 INSIDE
QUADRANT DIMENSIONS**



**LO INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

20003
LOU0

$L_c = 0.000''$

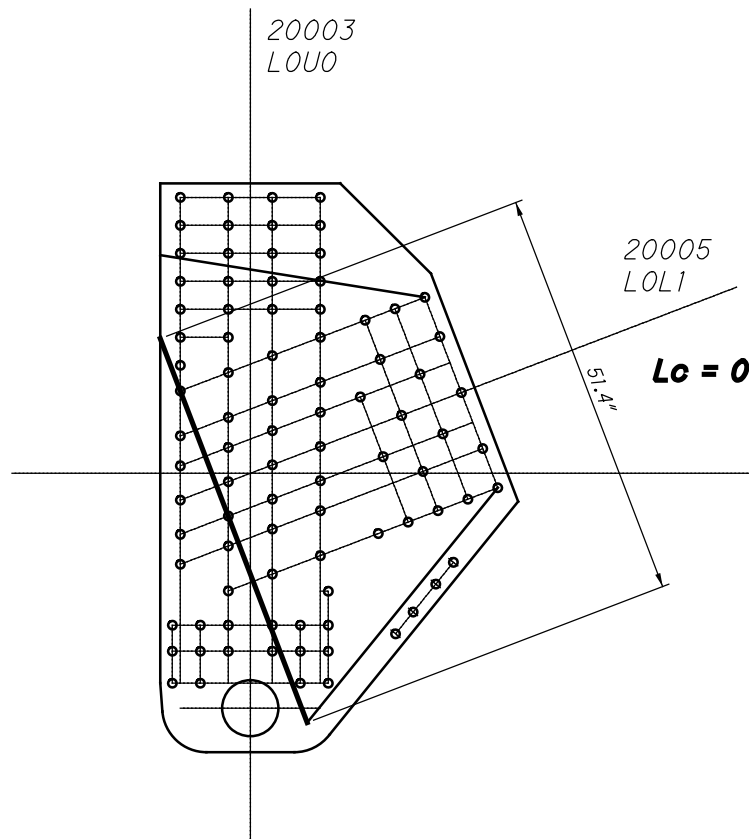


**LO INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20003
LOU0

20005
LOL1

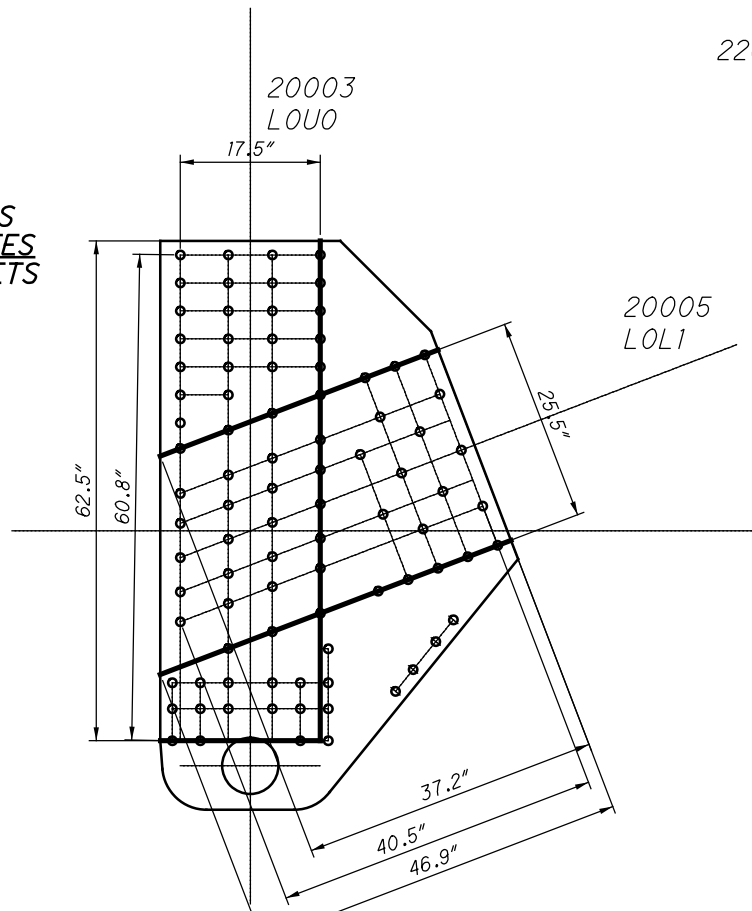
$L_c = 0.000''$



**LO INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

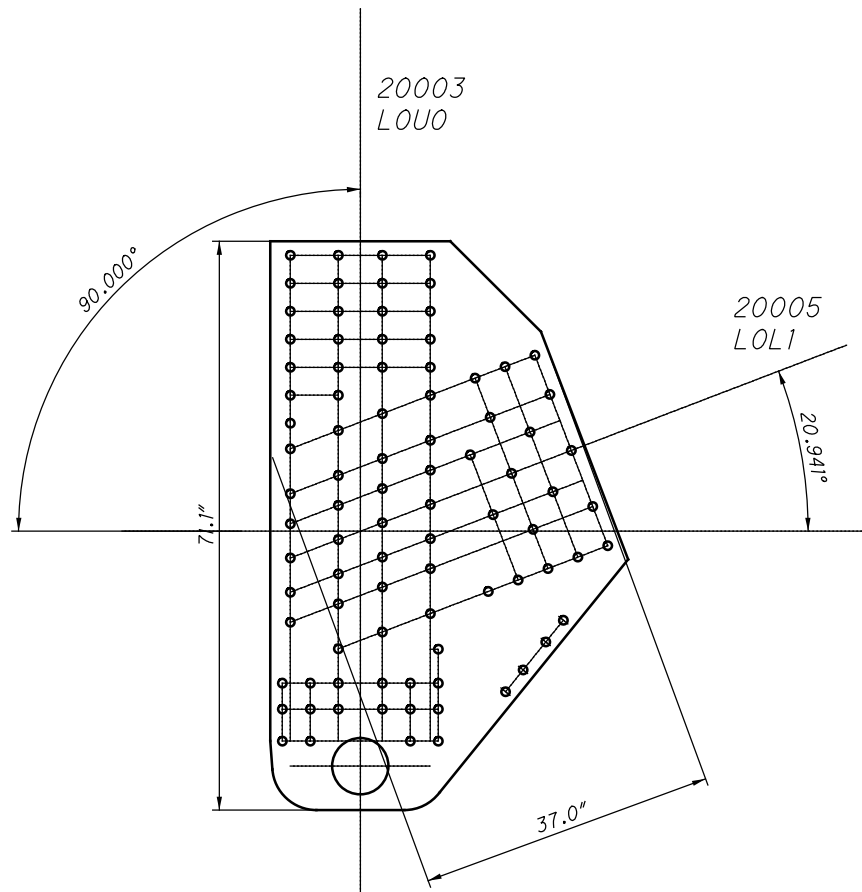
22000 AND 32000

67 RIVETS
x 2 PLATES
=134 RIVETS

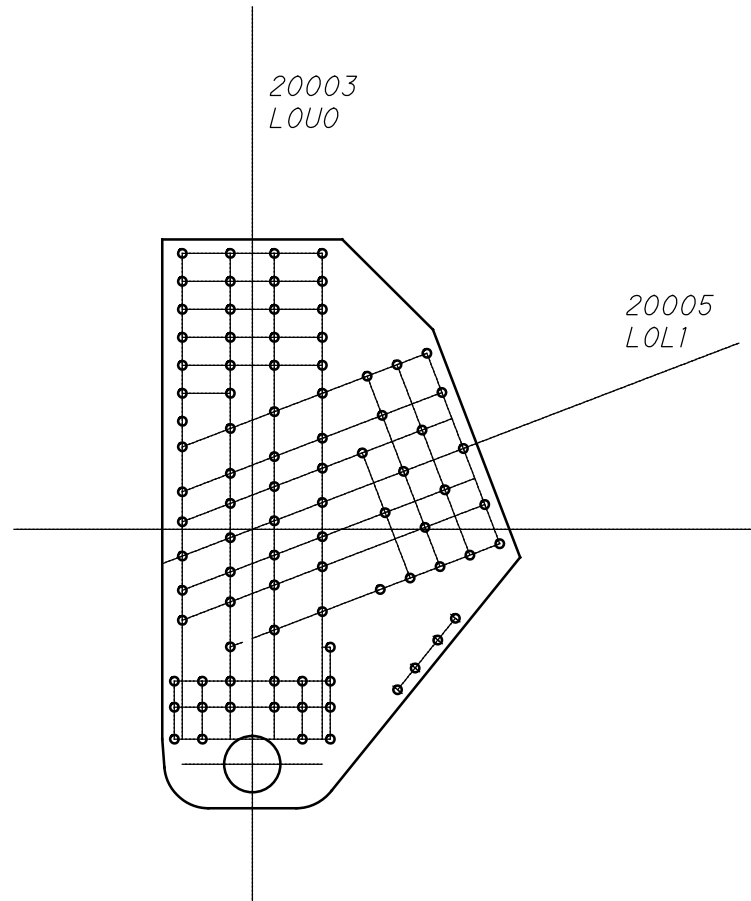


45 RIVETS
x 2 PLATES
=90 RIVETS

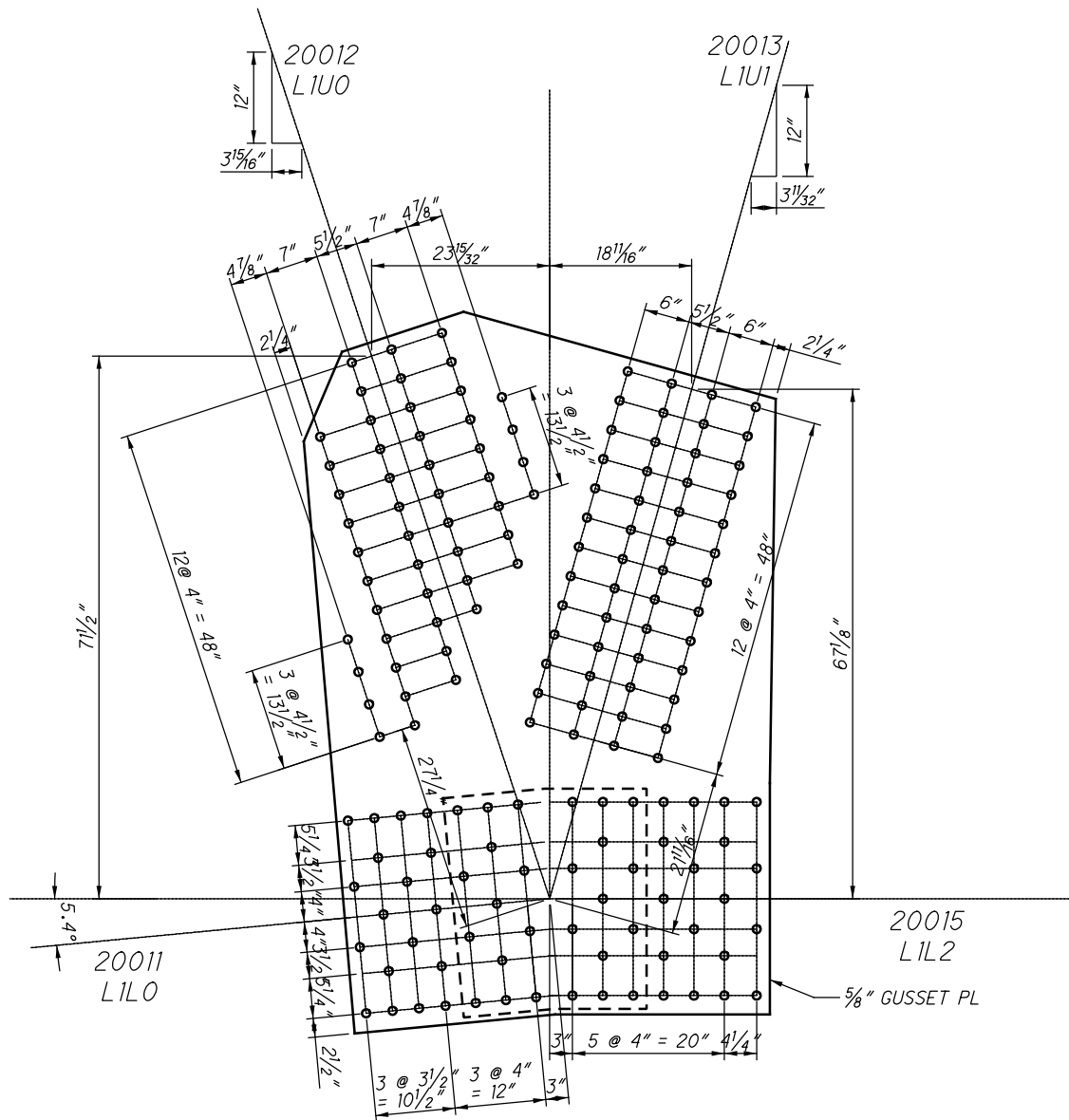
**LO INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



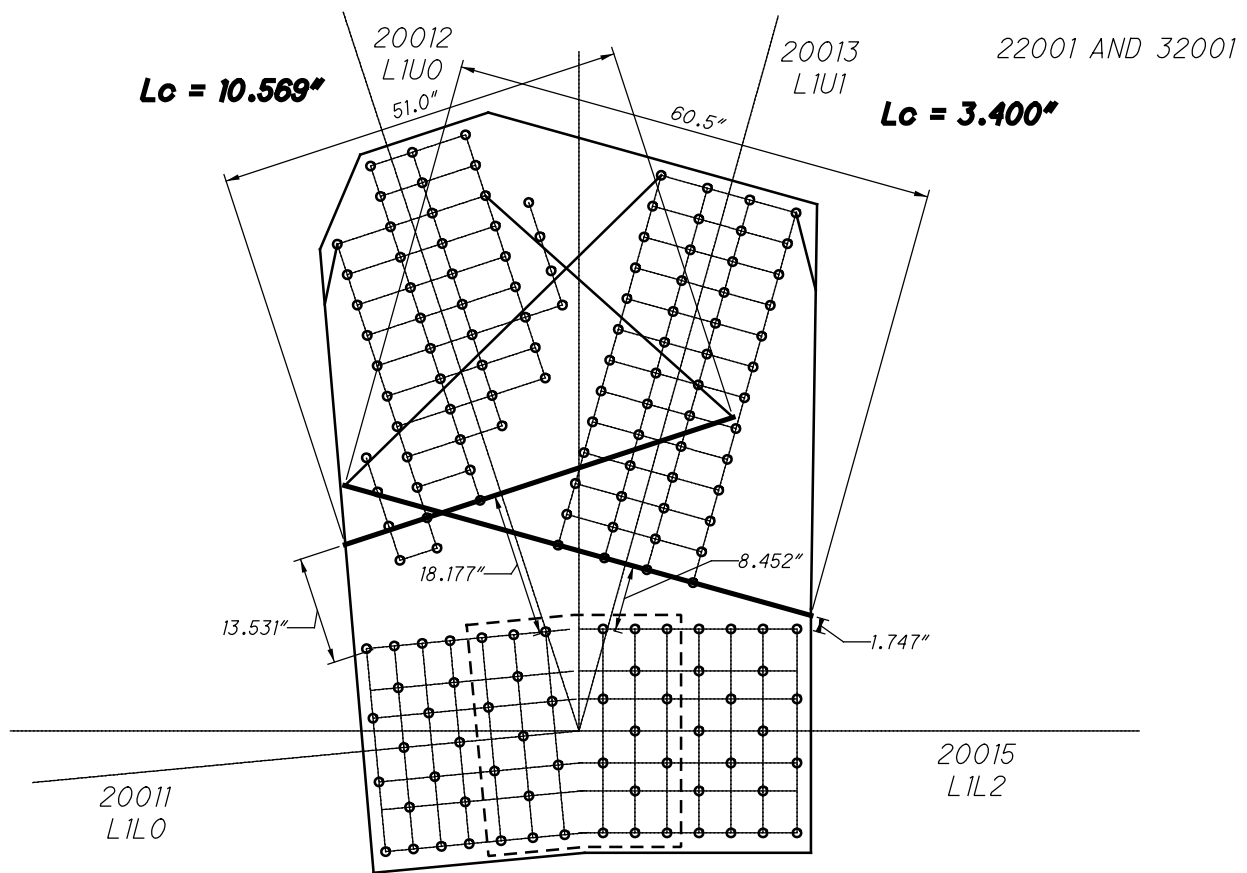
**LO INSIDE
SHEAR AND FREE EDGE CHECK**



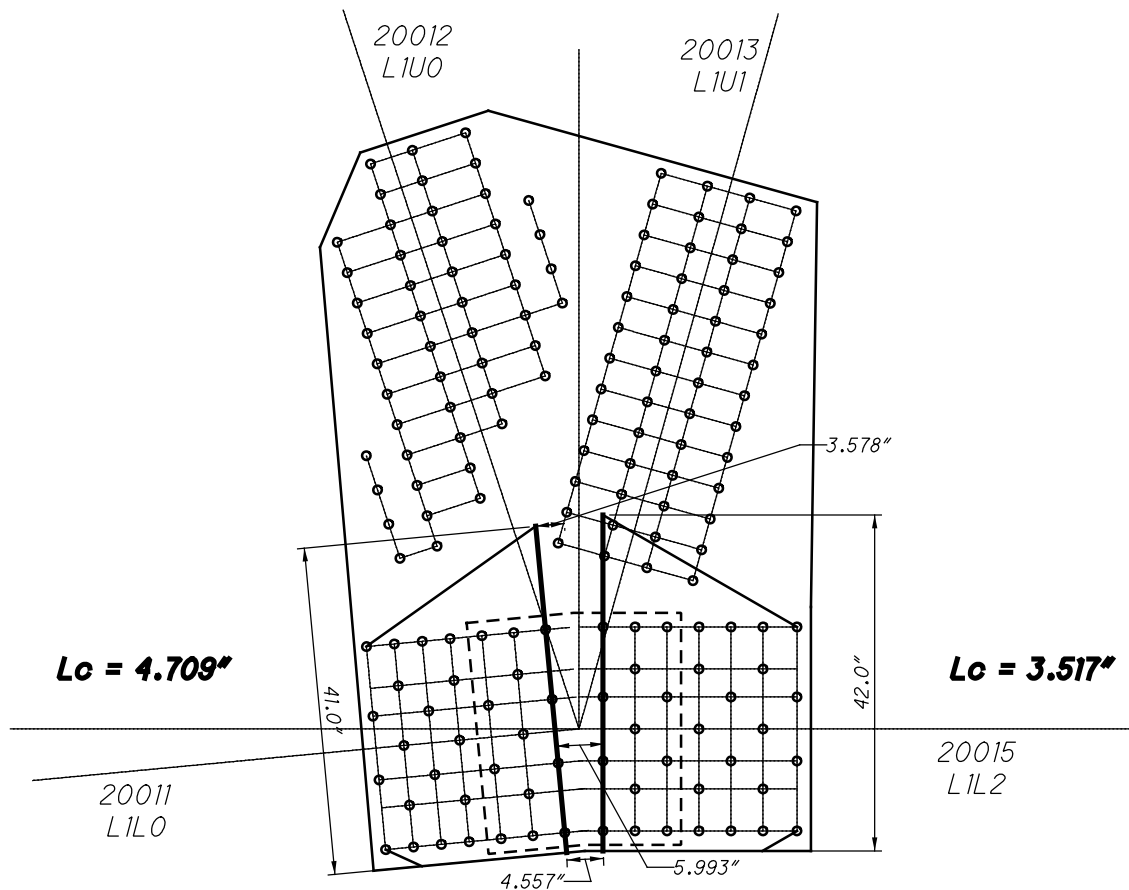
**LO INSIDE
QUADRANT DIMENSIONS**



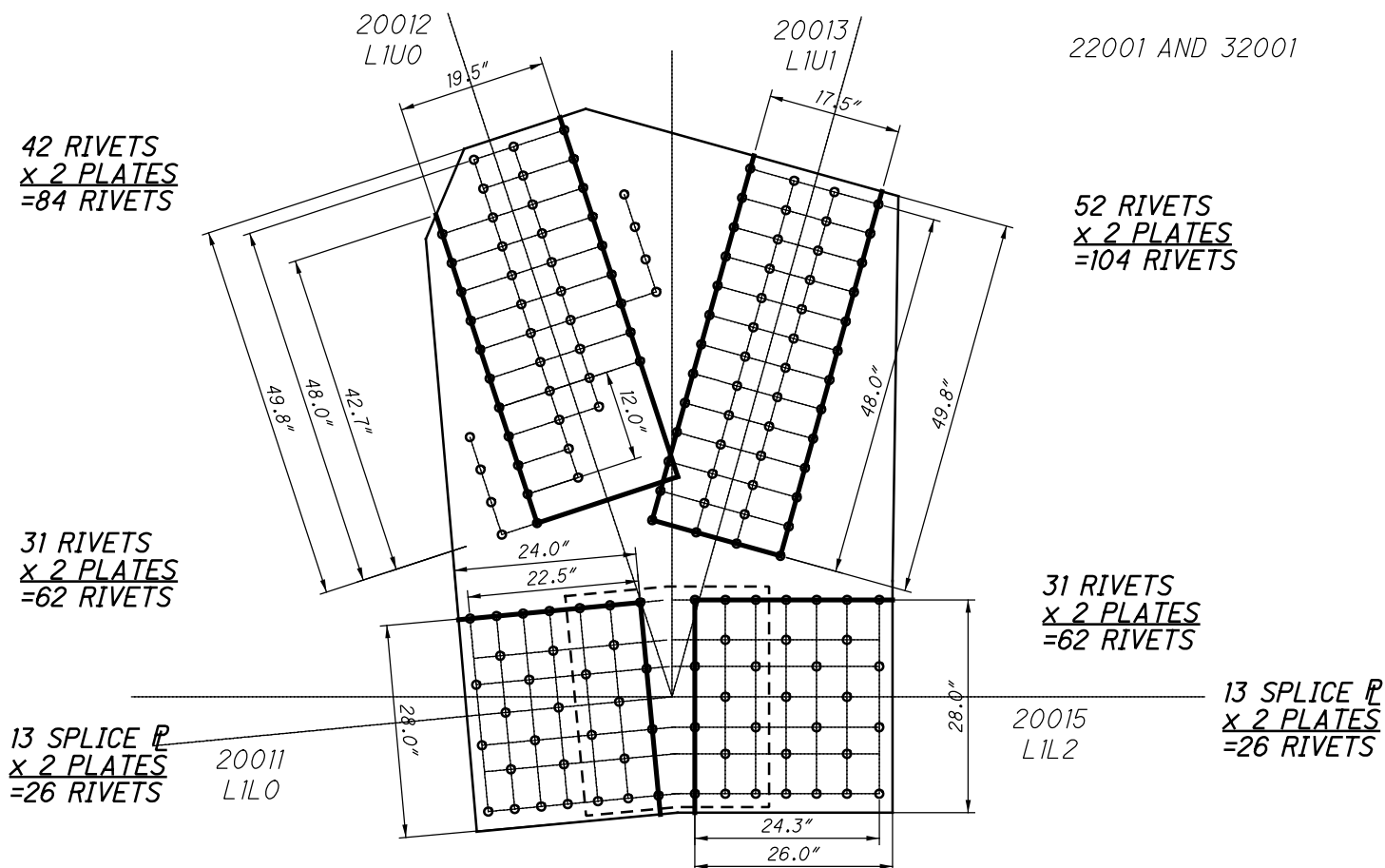
**L1 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



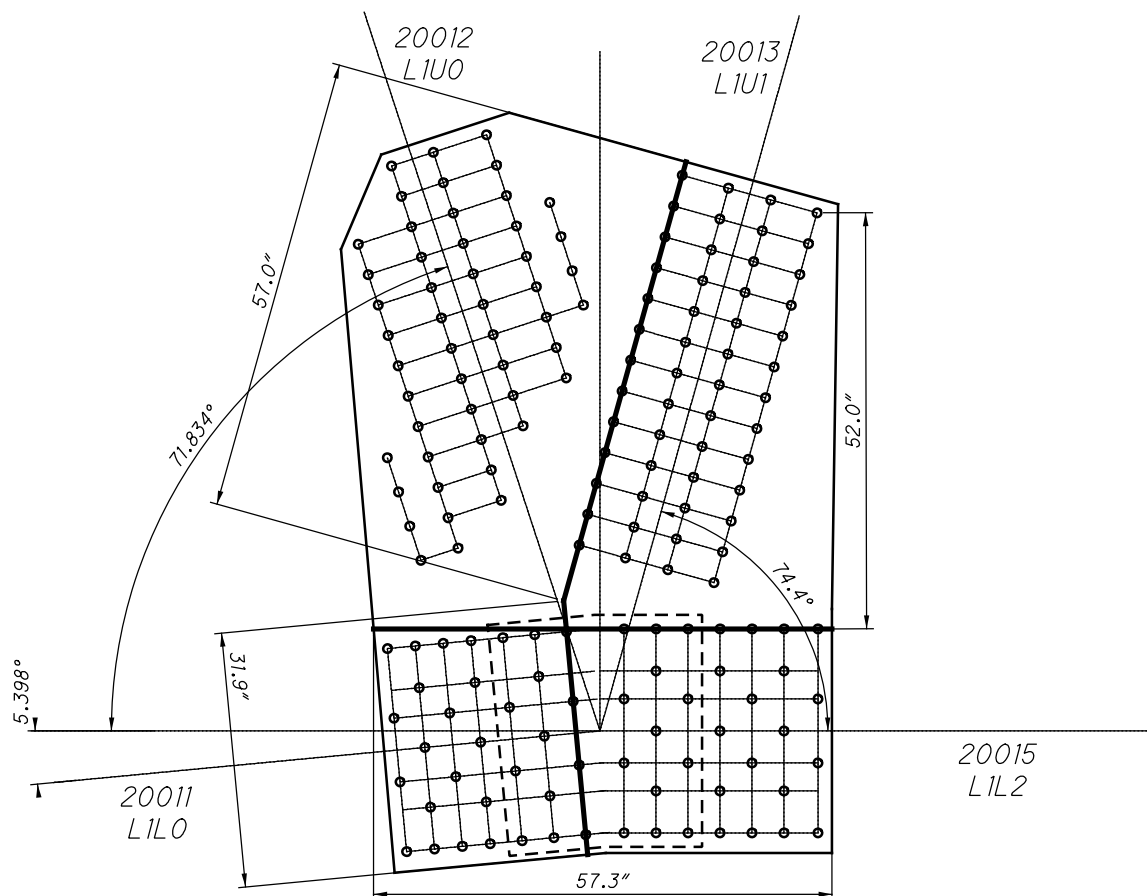
**L1 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



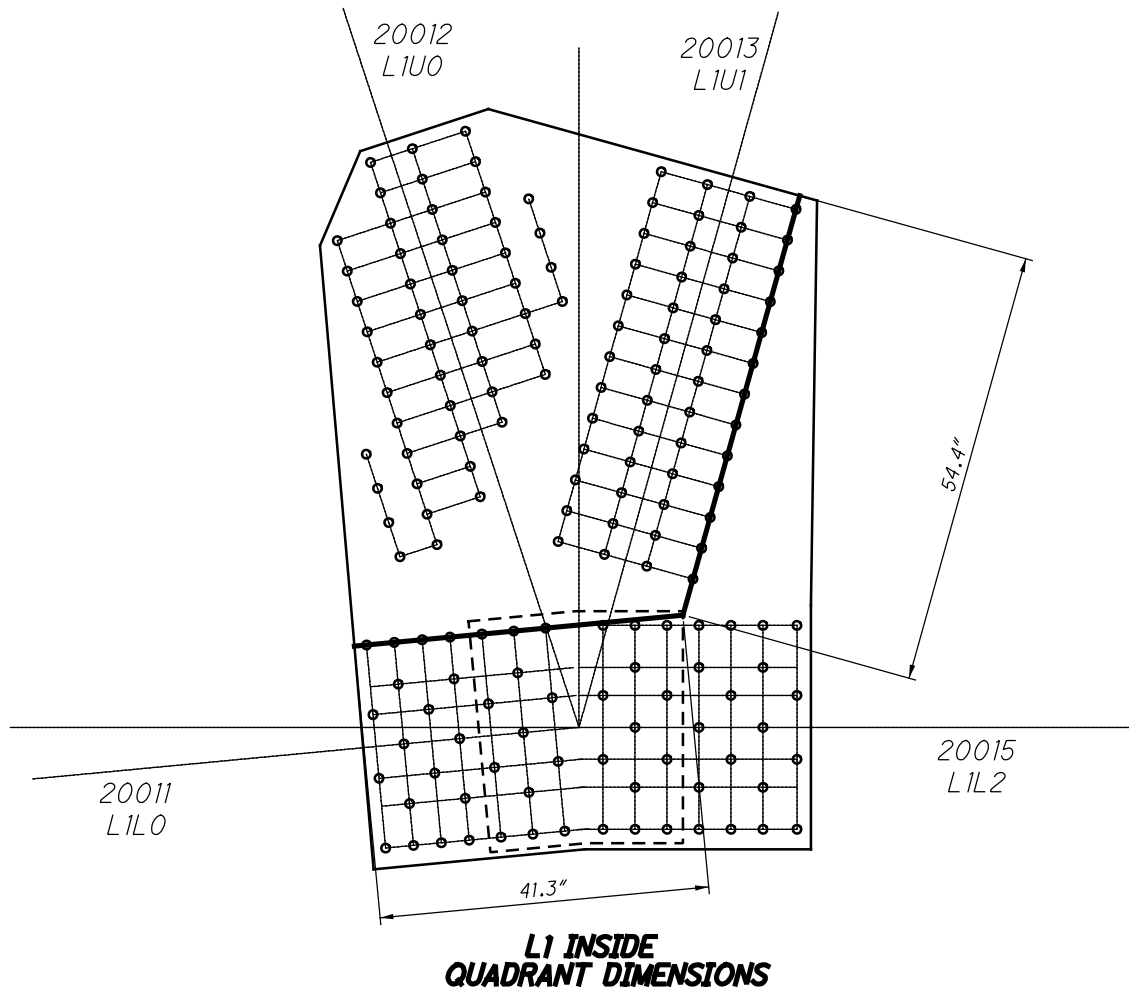
**L1 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

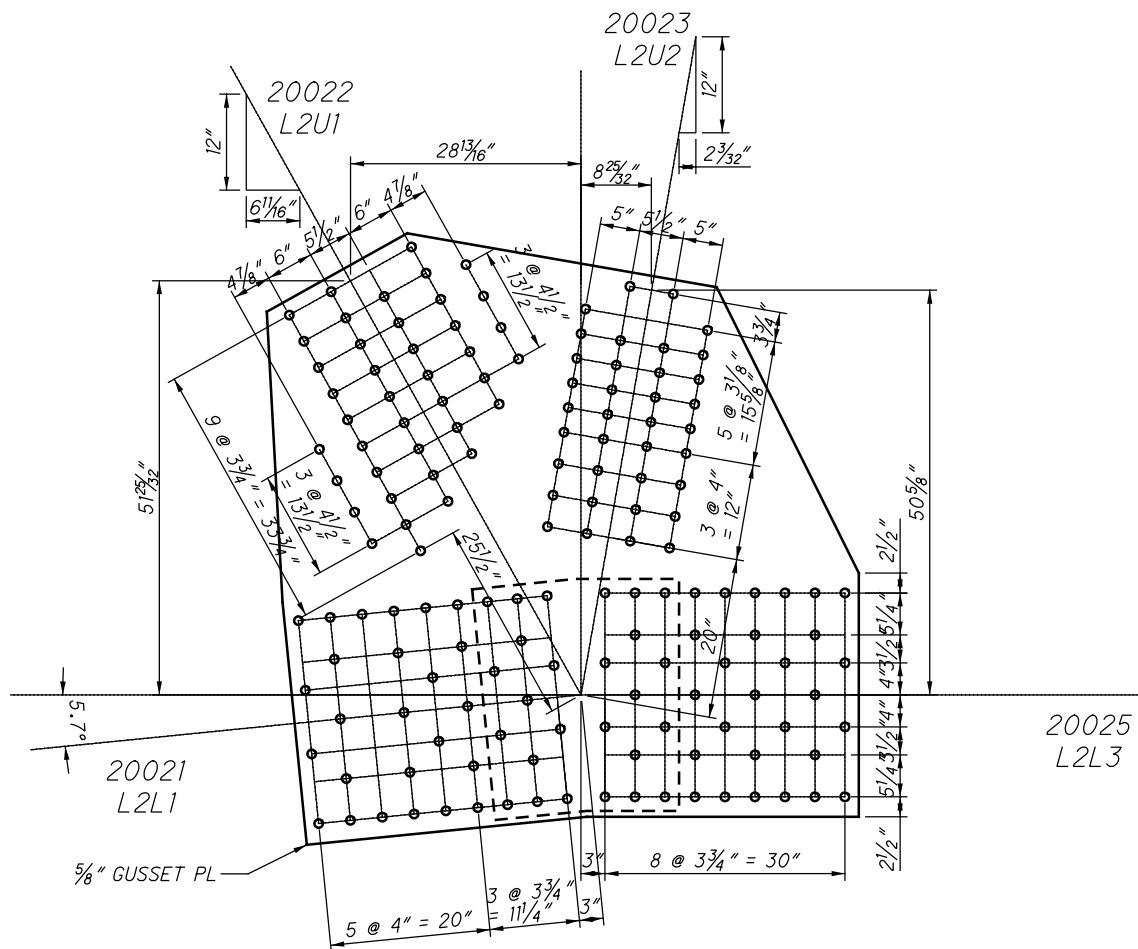


**L1 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



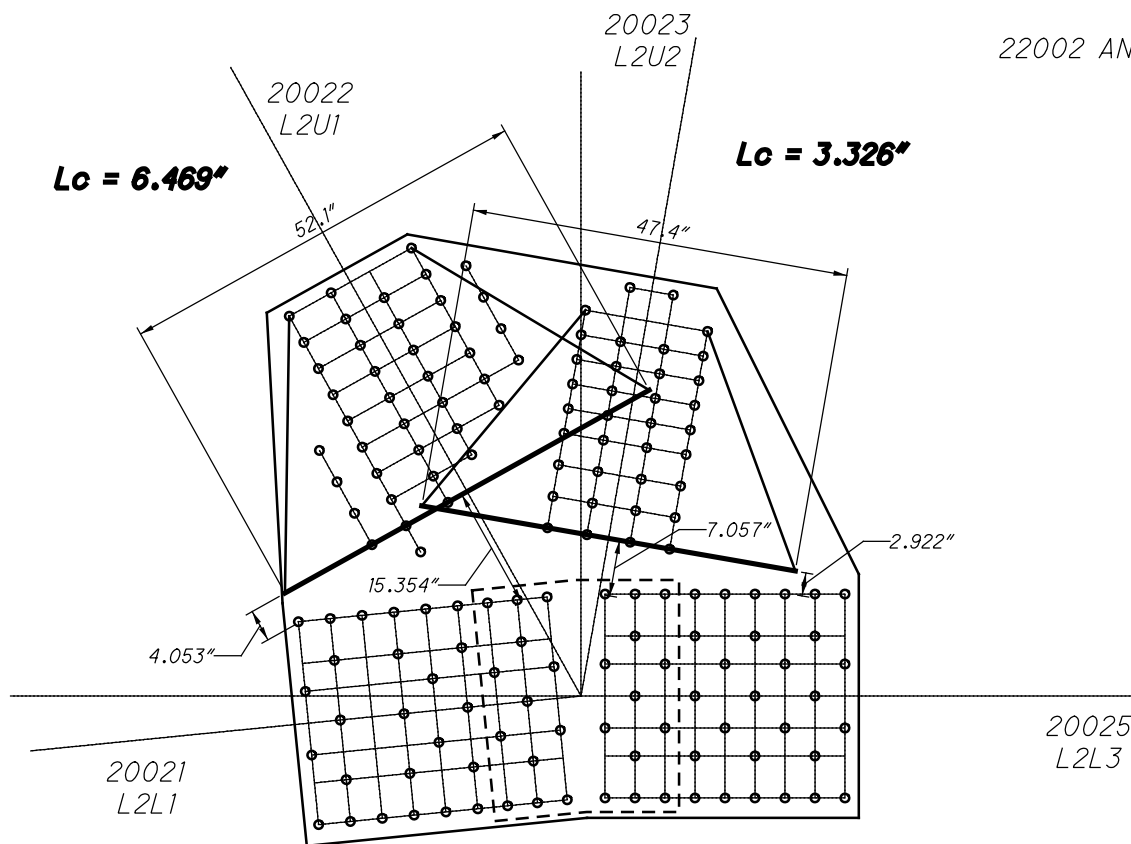
**L1 INSIDE
SHEAR AND FREE EDGE CHECK**



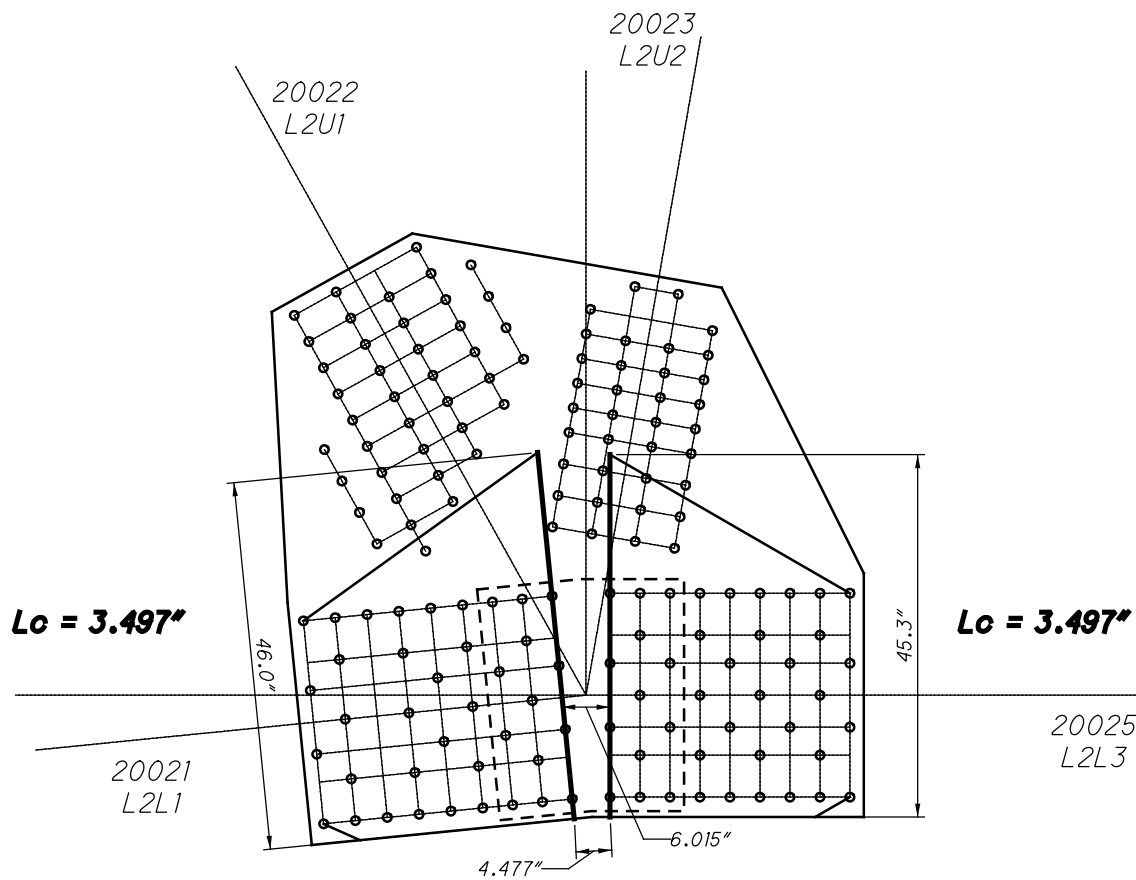


SPLICE PLATE
30" X 7/16" X 2'-2"

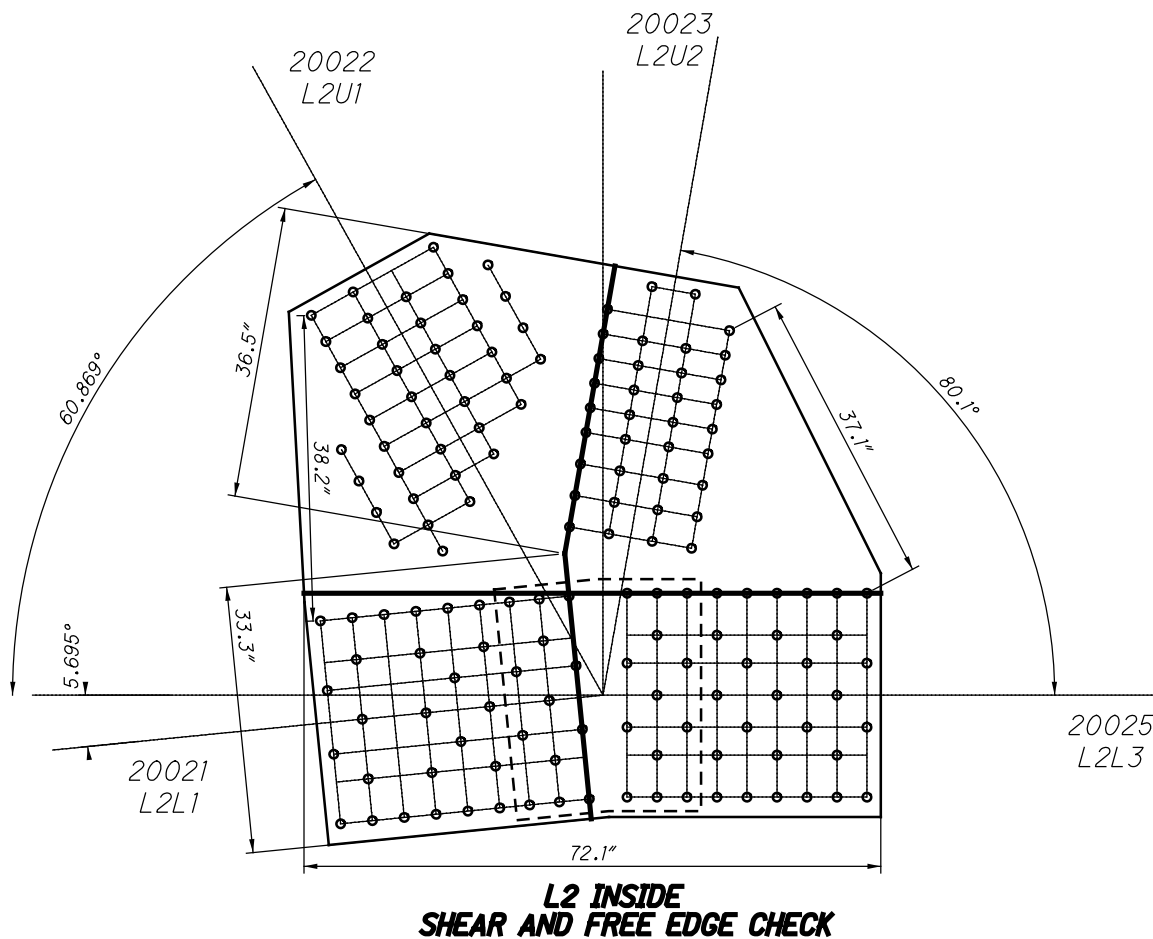
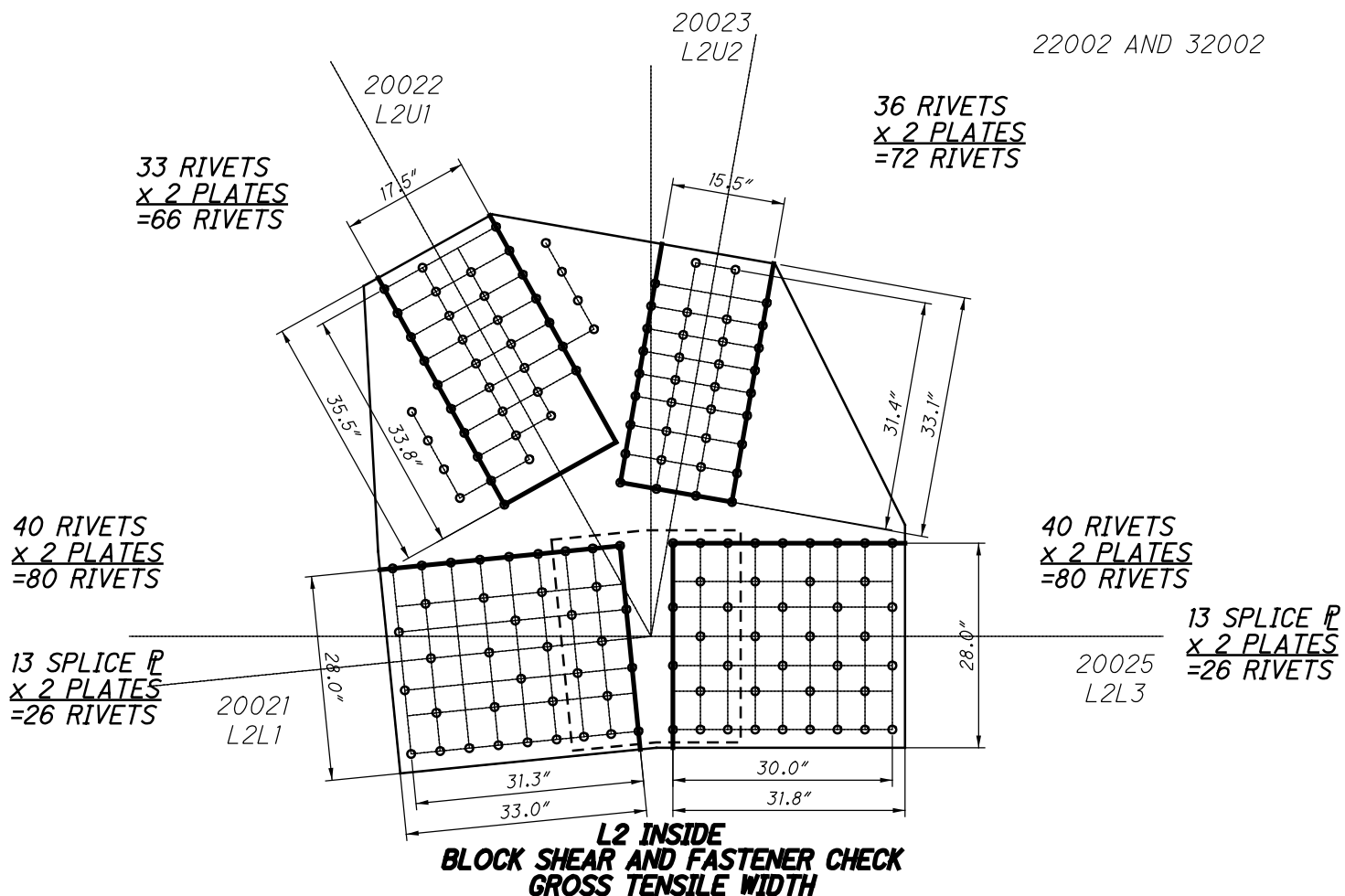
**L2 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

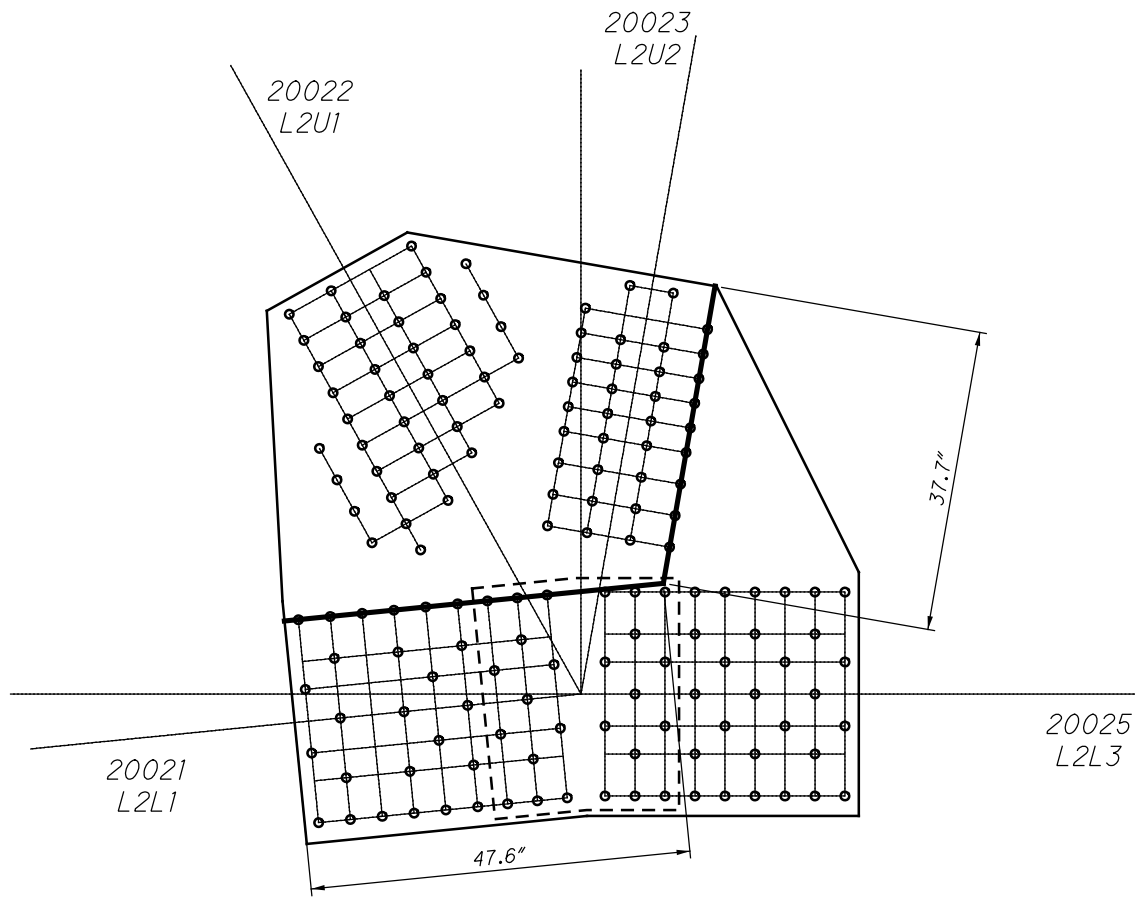


**L2 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

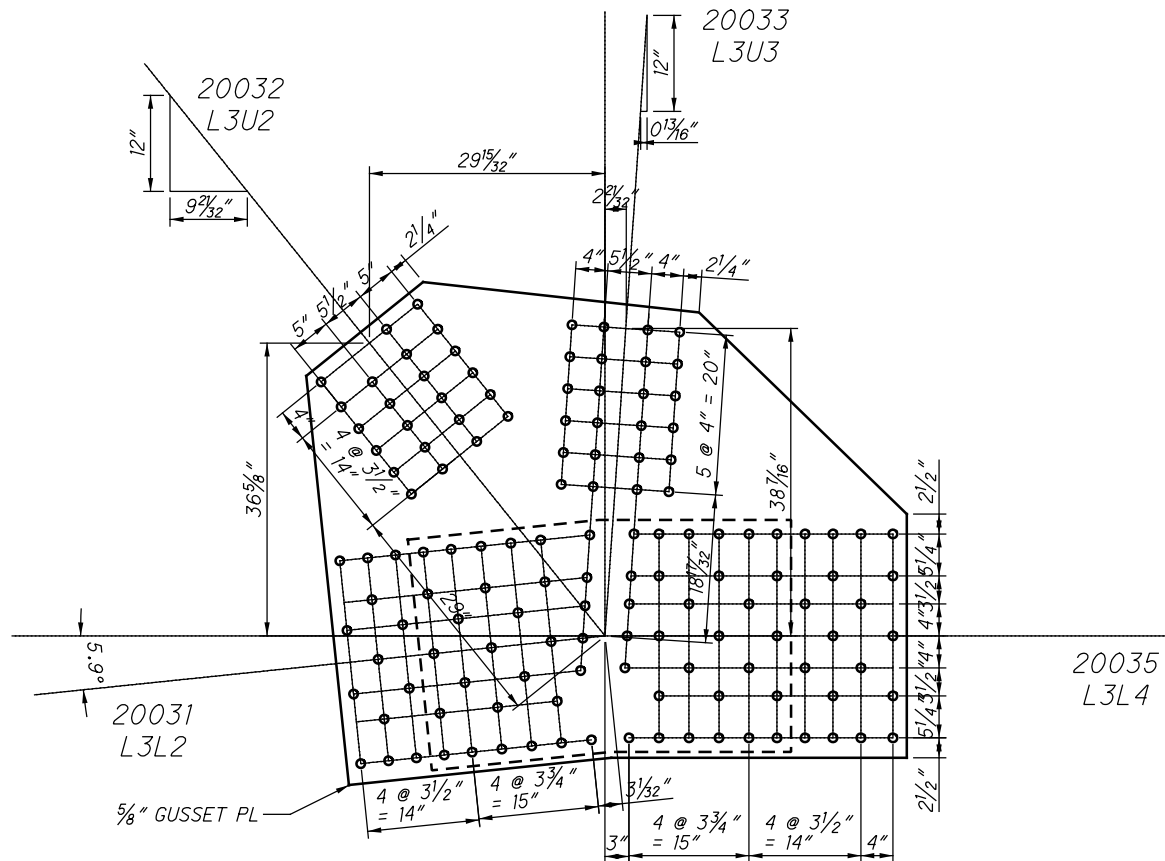


**L2 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



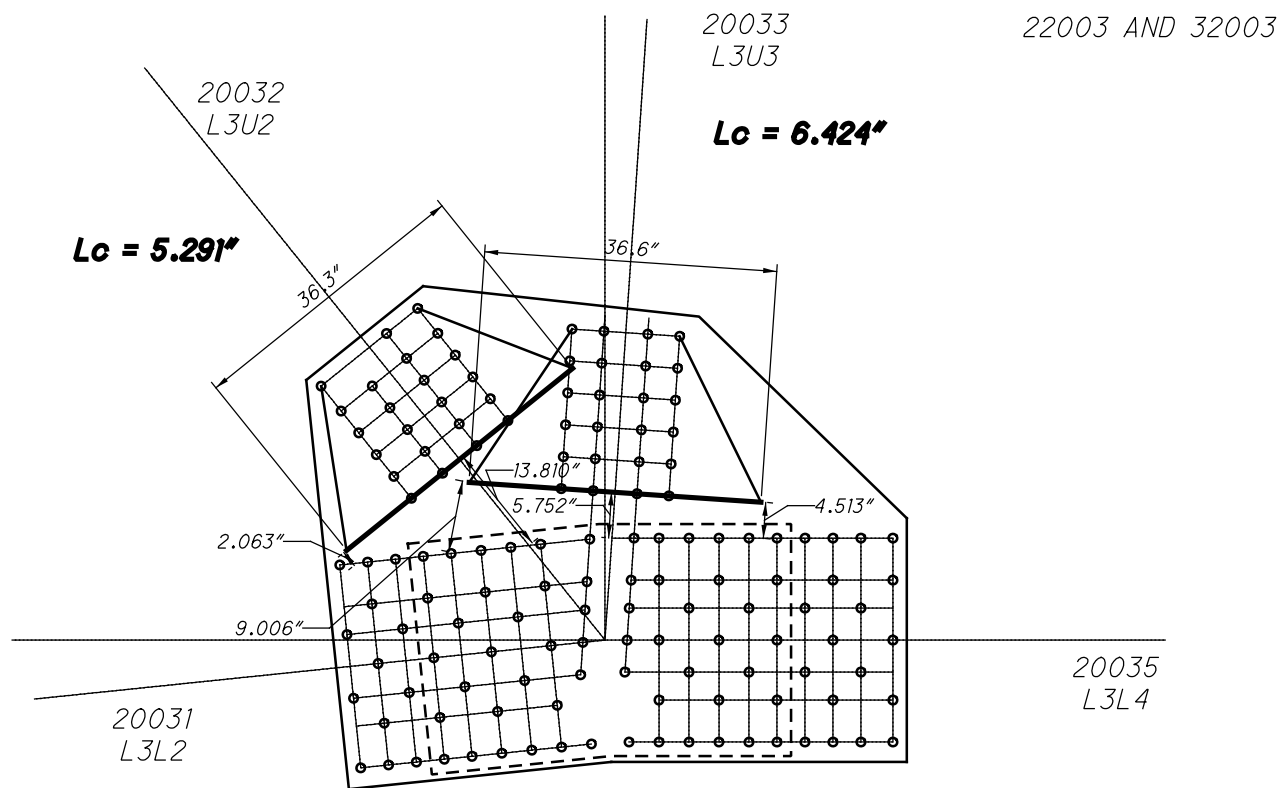


**L2 INSIDE
QUADRANT DIMENSIONS**

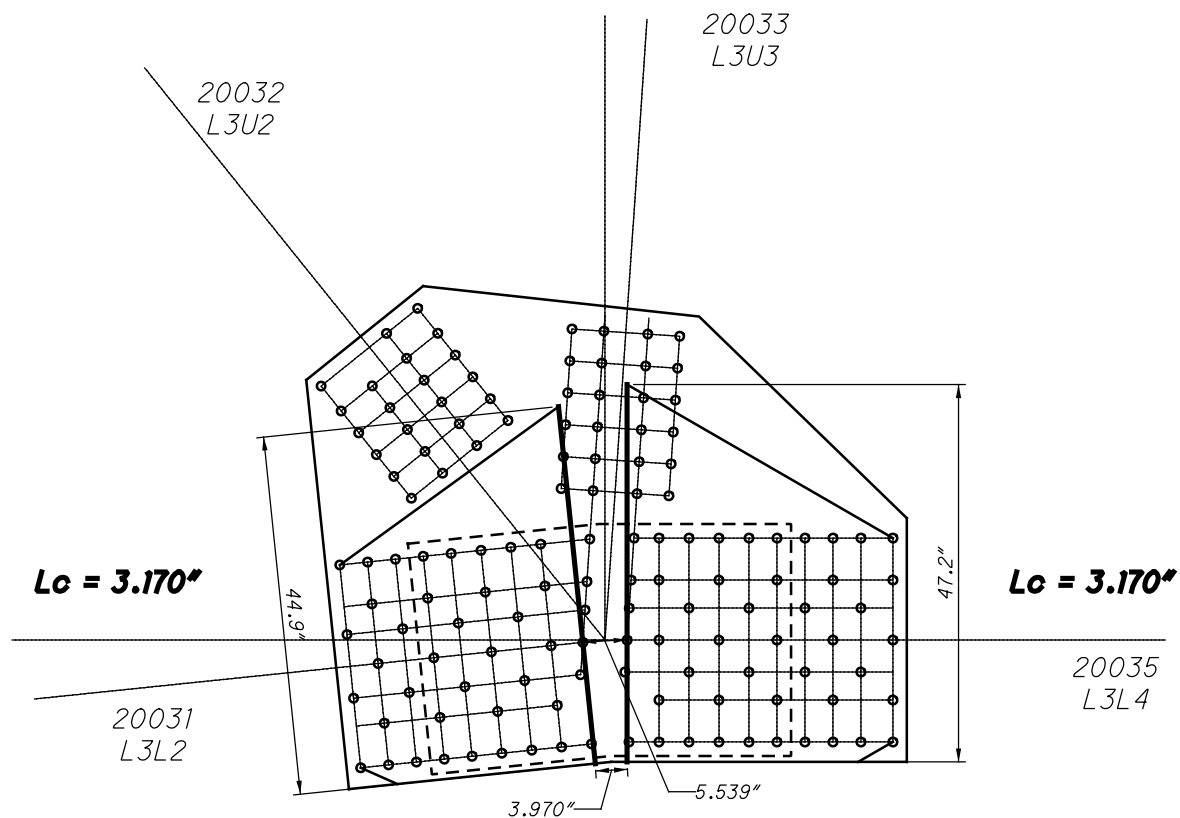


SPLICE PLATE
31" X 7/16" X 4'-0"

**L3 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



**L3 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L3 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20033
L3U3

22003 AND 32003

20032
L3U2

23 RIVETS
x 2 PLATES
=46 RIVETS

24 RIVETS
x 2 PLATES
=48 RIVETS

40 RIVETS
x 2 PLATES
=80 RIVETS

47 RIVETS
x 2 PLATES
=94 RIVETS

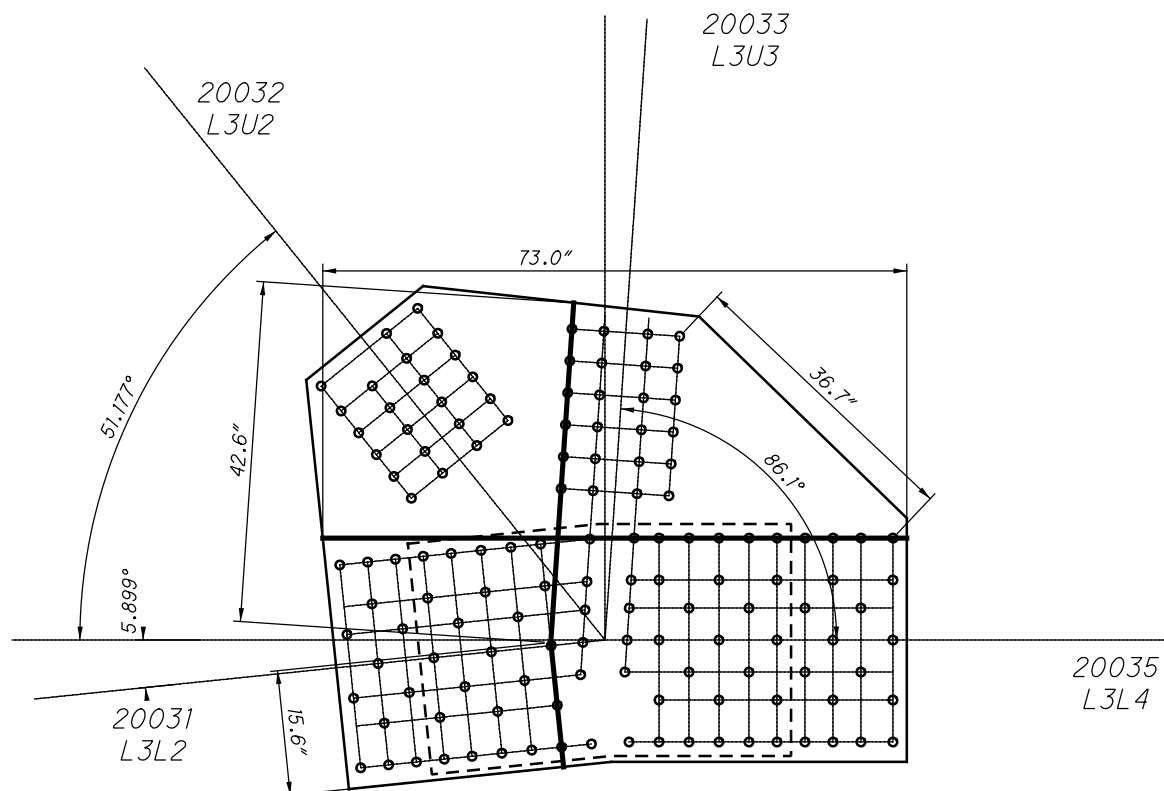
27 SPLICE P
x 2 PLATES
=54 RIVETS

20031
L3L2

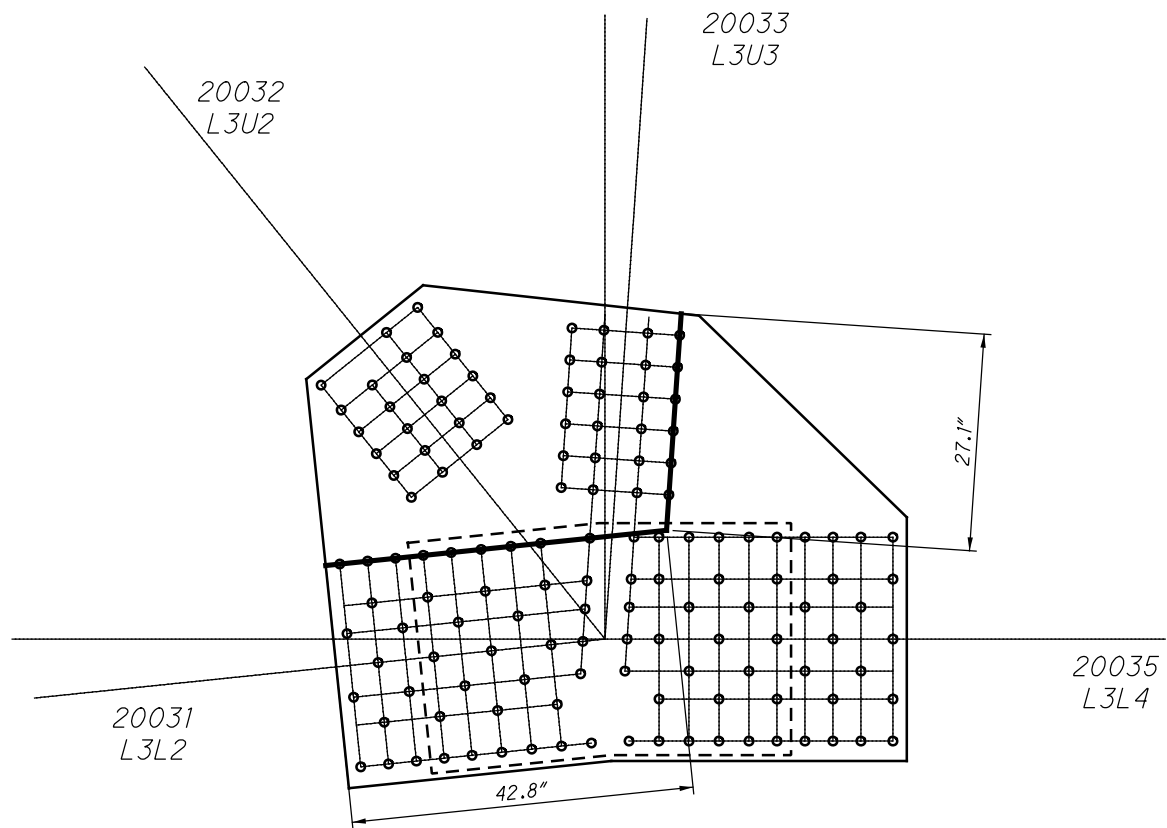
20035
L3L4

29 SPLICE P
x 2 PLATES
=58 RIVETS

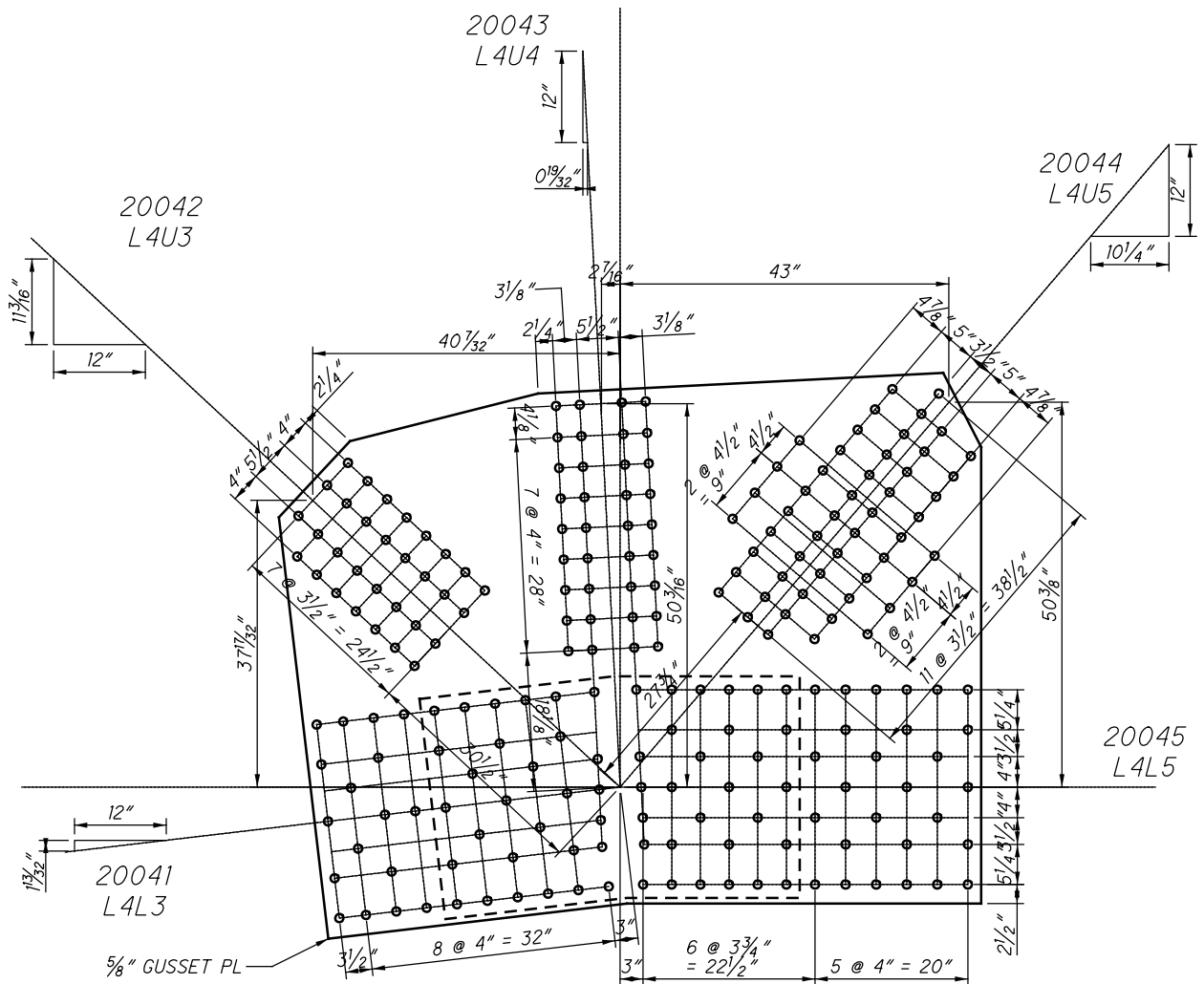
**L3 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L3 INSIDE
SHEAR AND FREE EDGE CHECK**

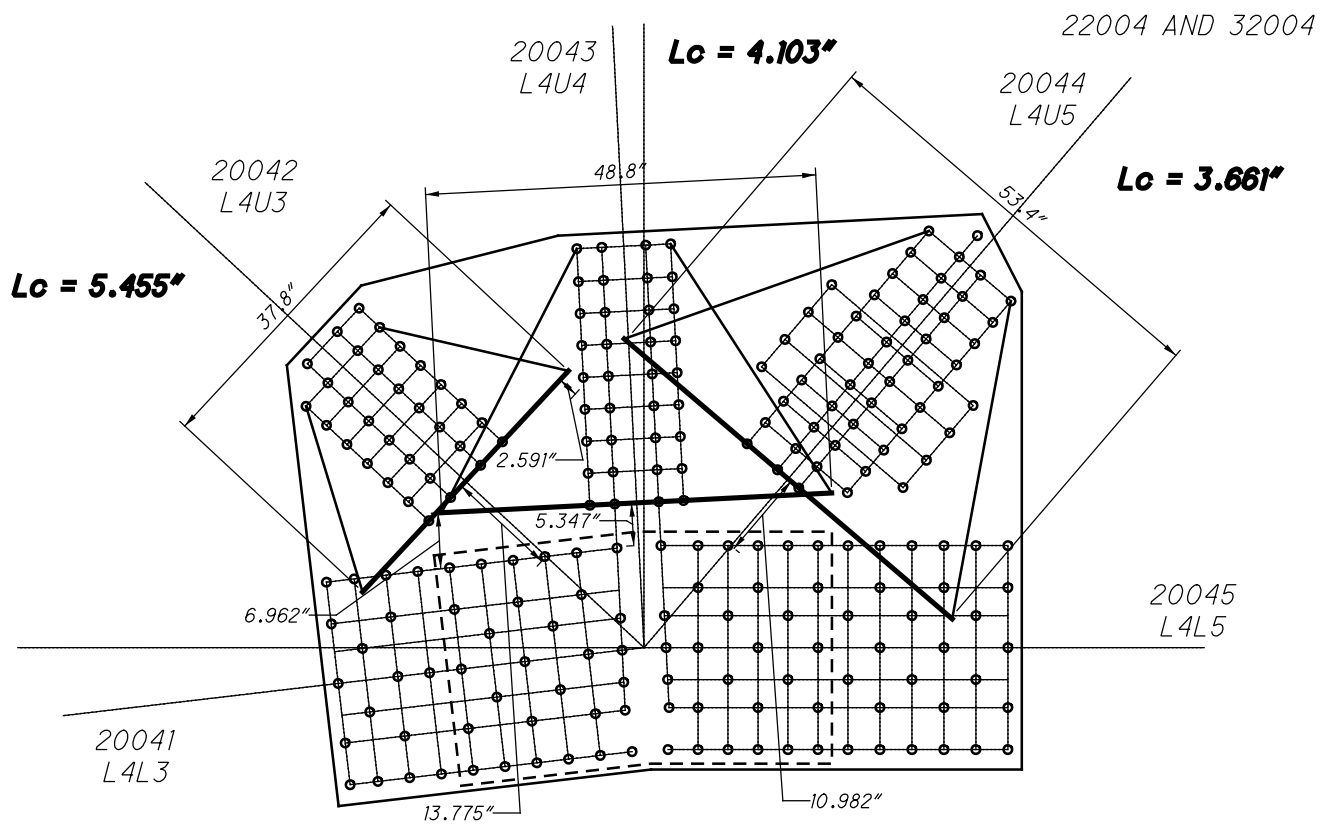


**L3 INSIDE
QUADRANT DIMENSIONS**

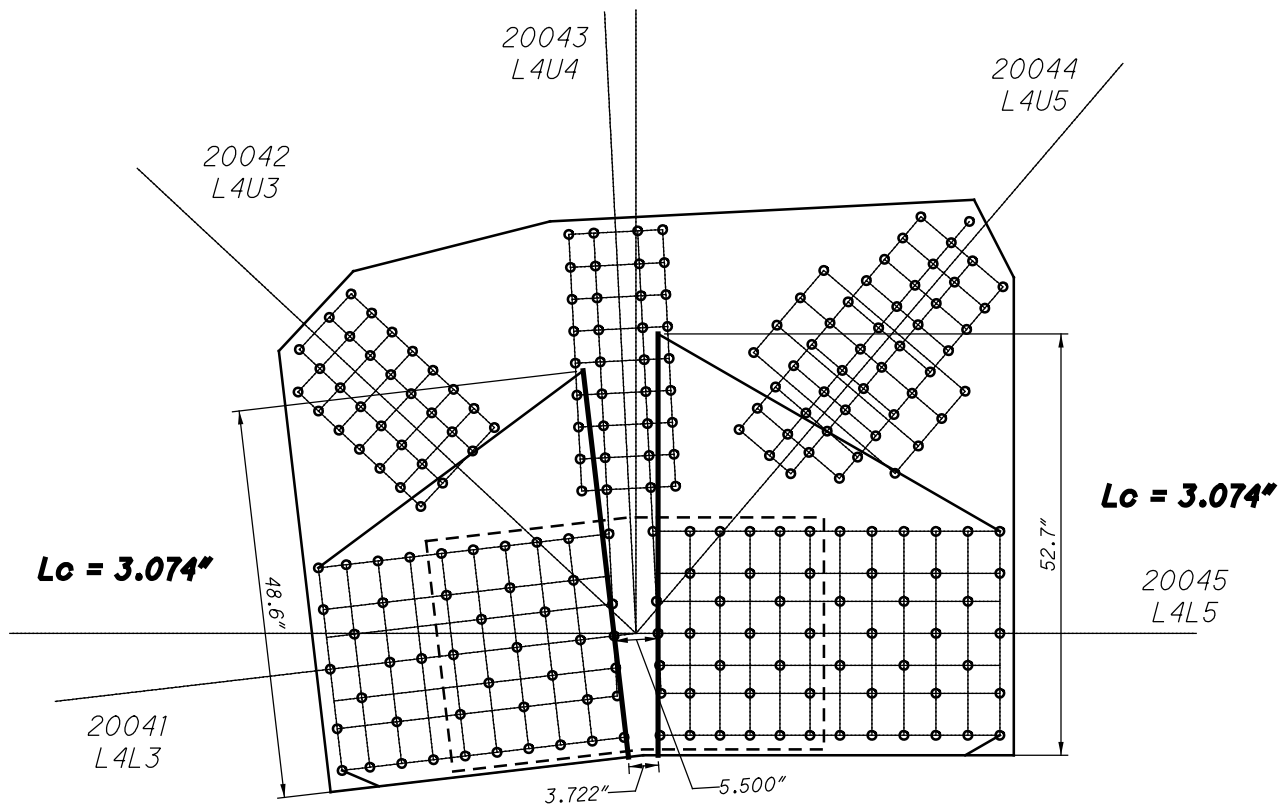


SPLICE PLATE
32" X $\frac{7}{16}"$ X 4'-1 $\frac{3}{4}"$

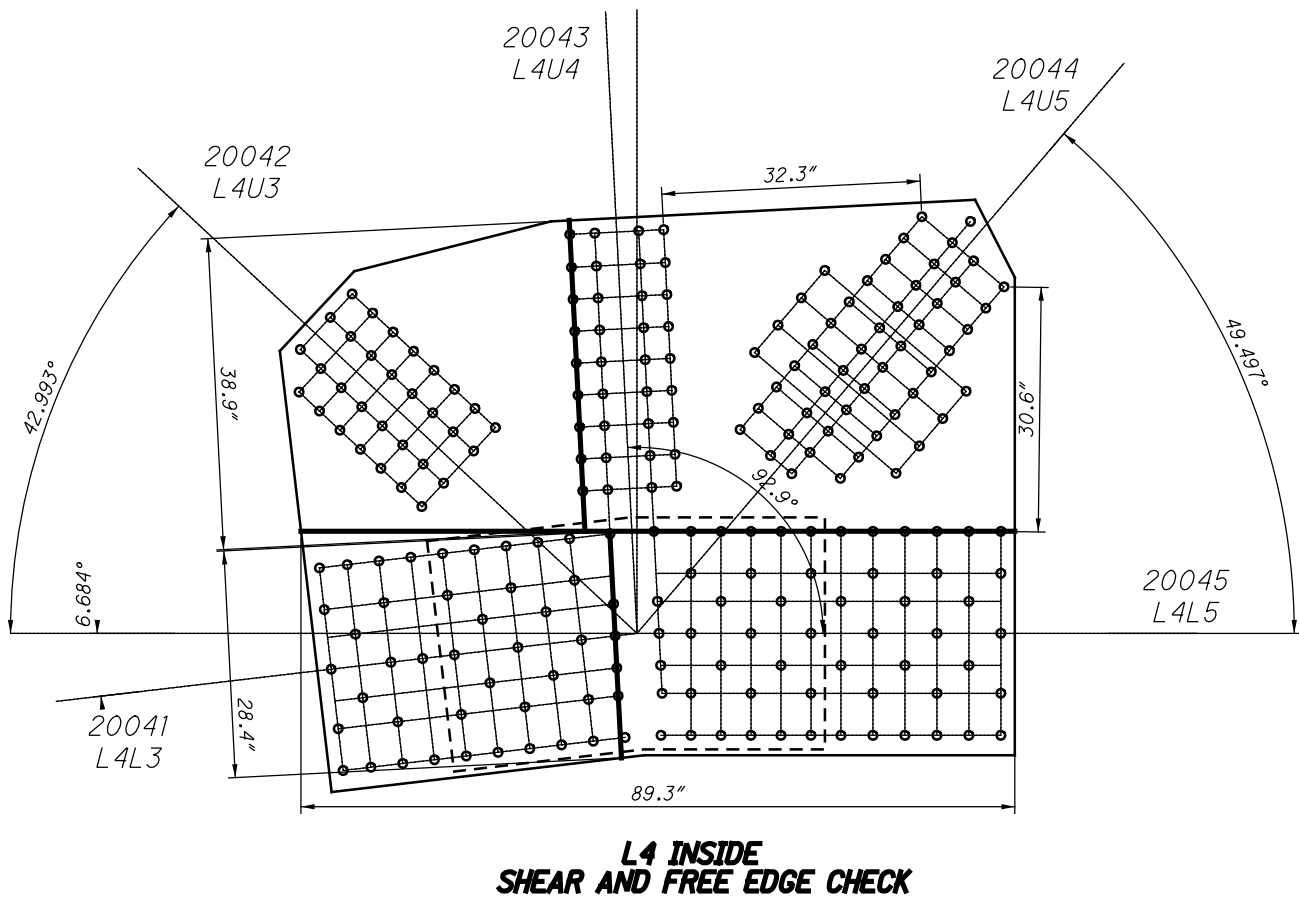
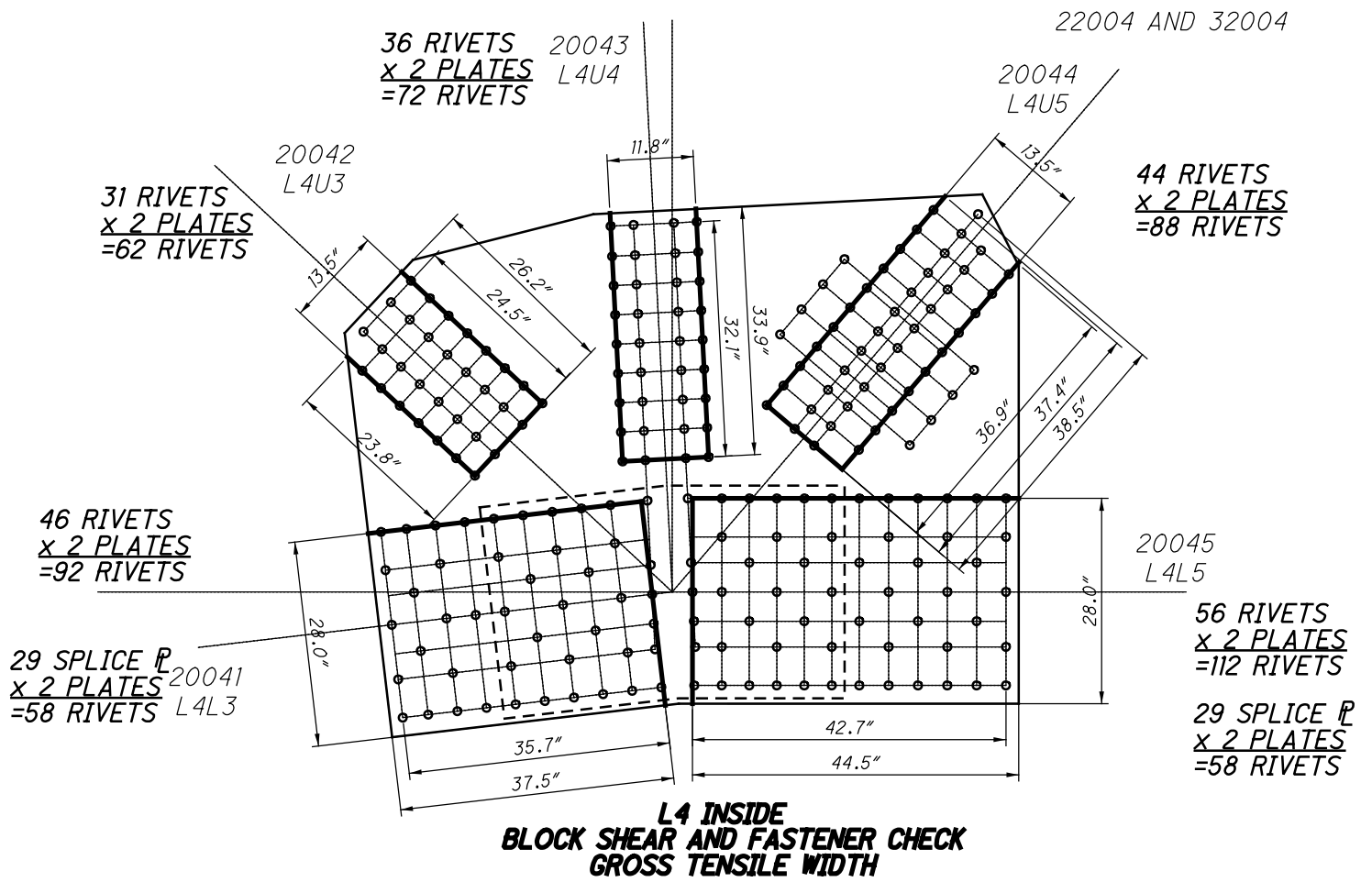
**L4 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

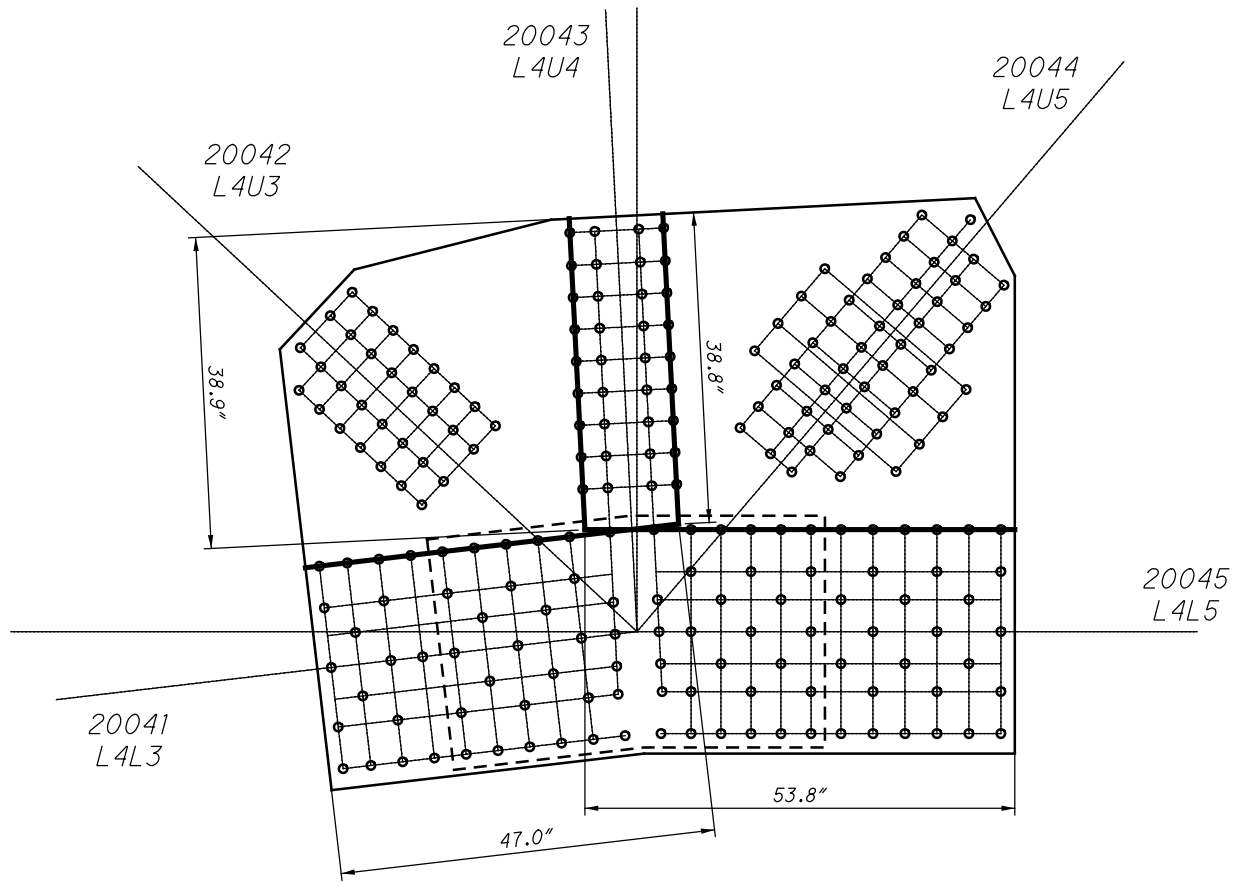


**L4 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

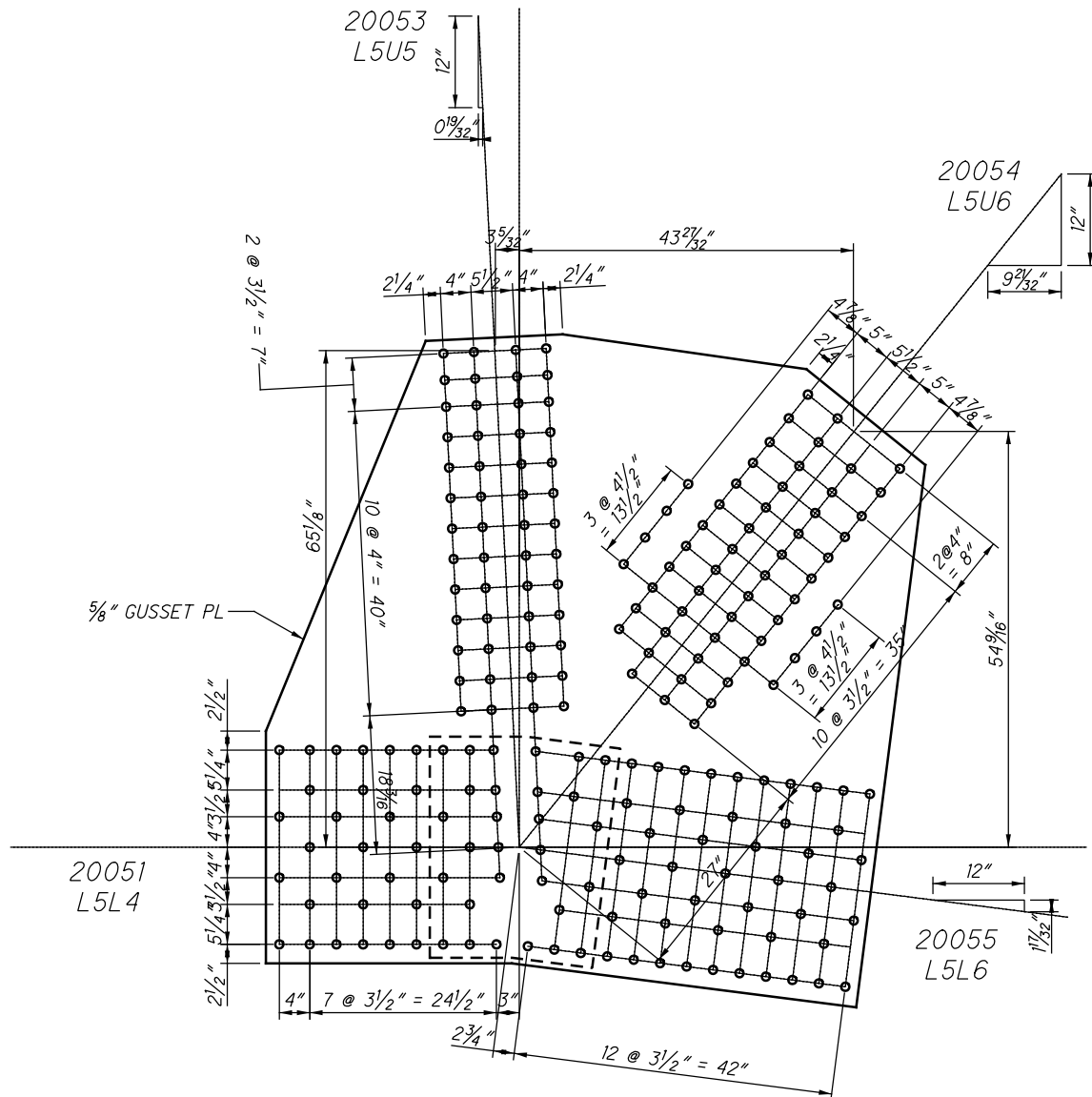


**L4 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



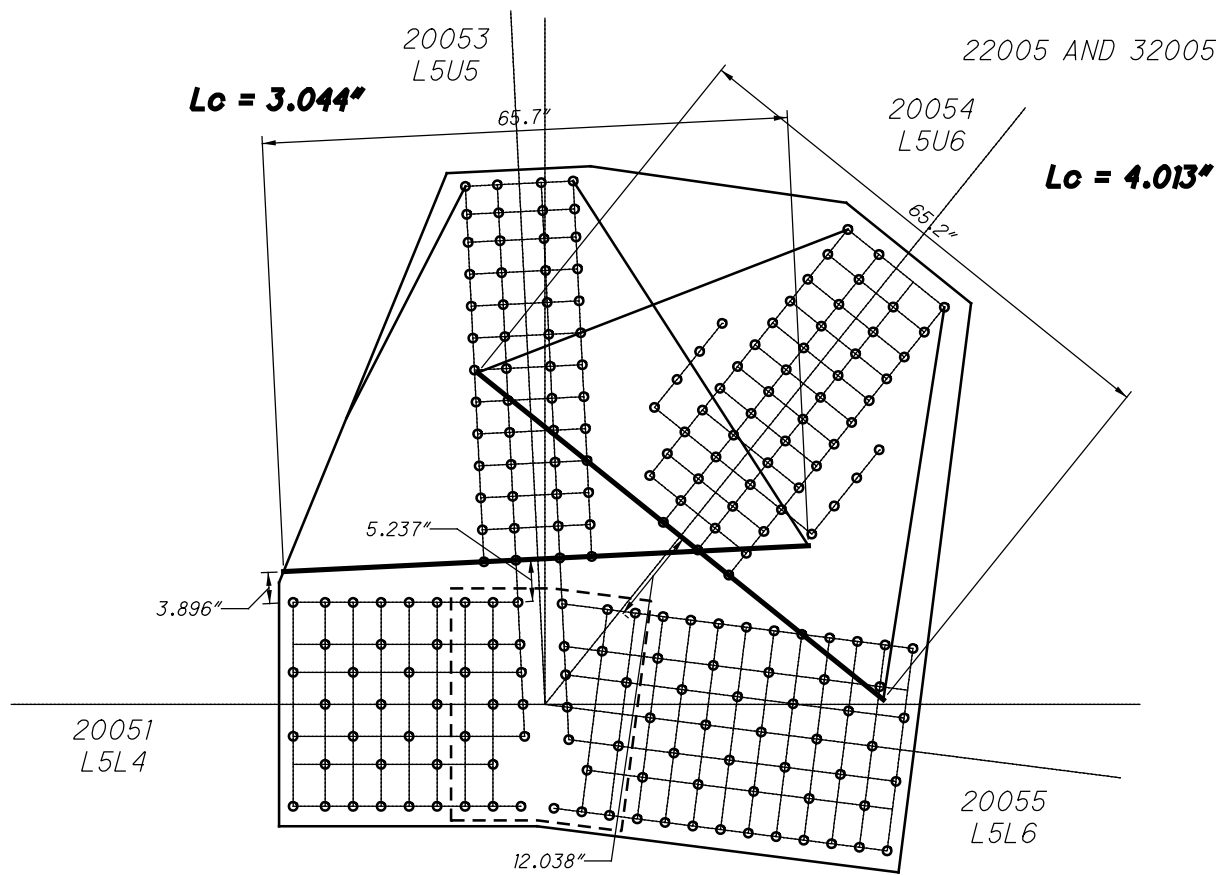


**L4 INSIDE
QUADRANT DIMENSIONS**

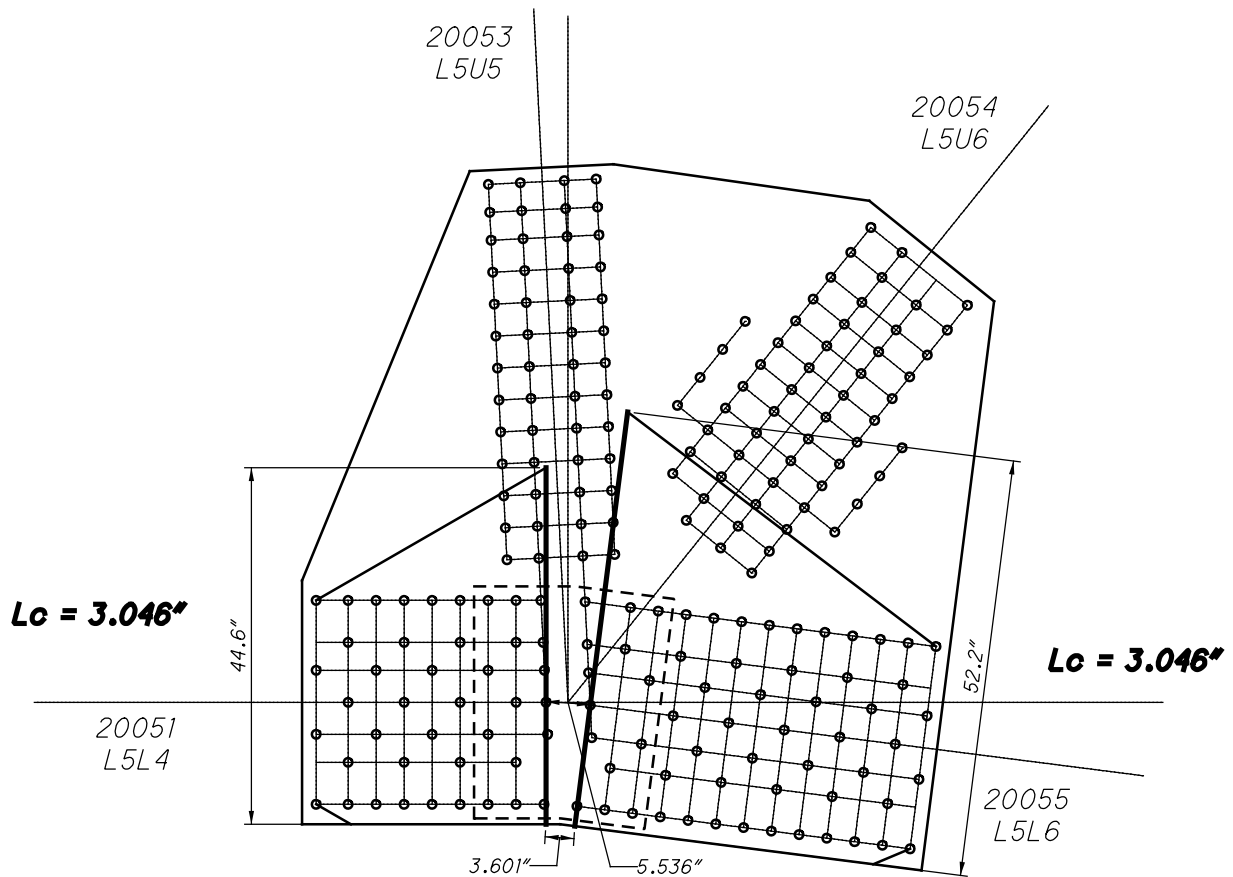


SPLICE PLATE
30" X 3/8" X 2'-1"

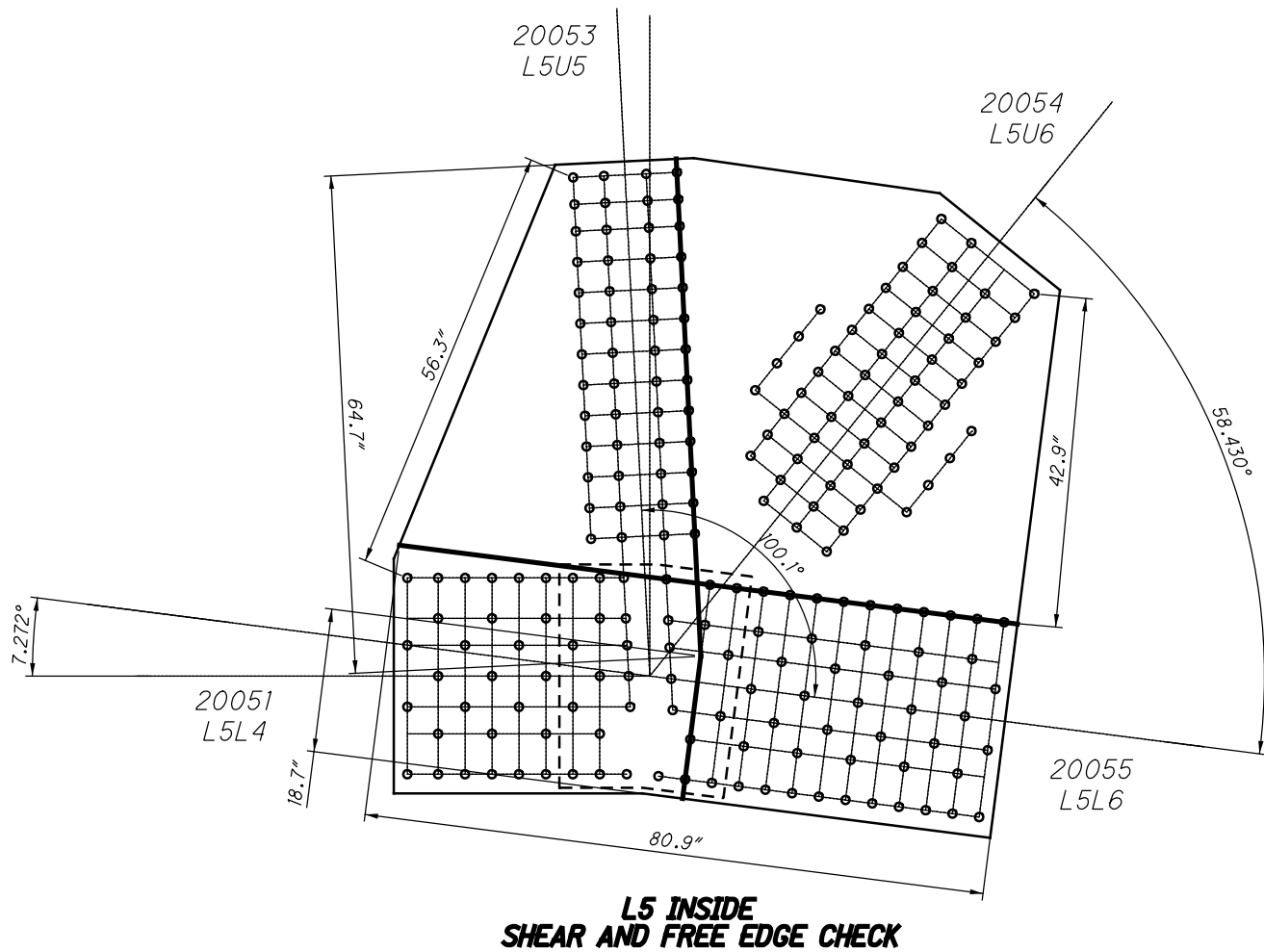
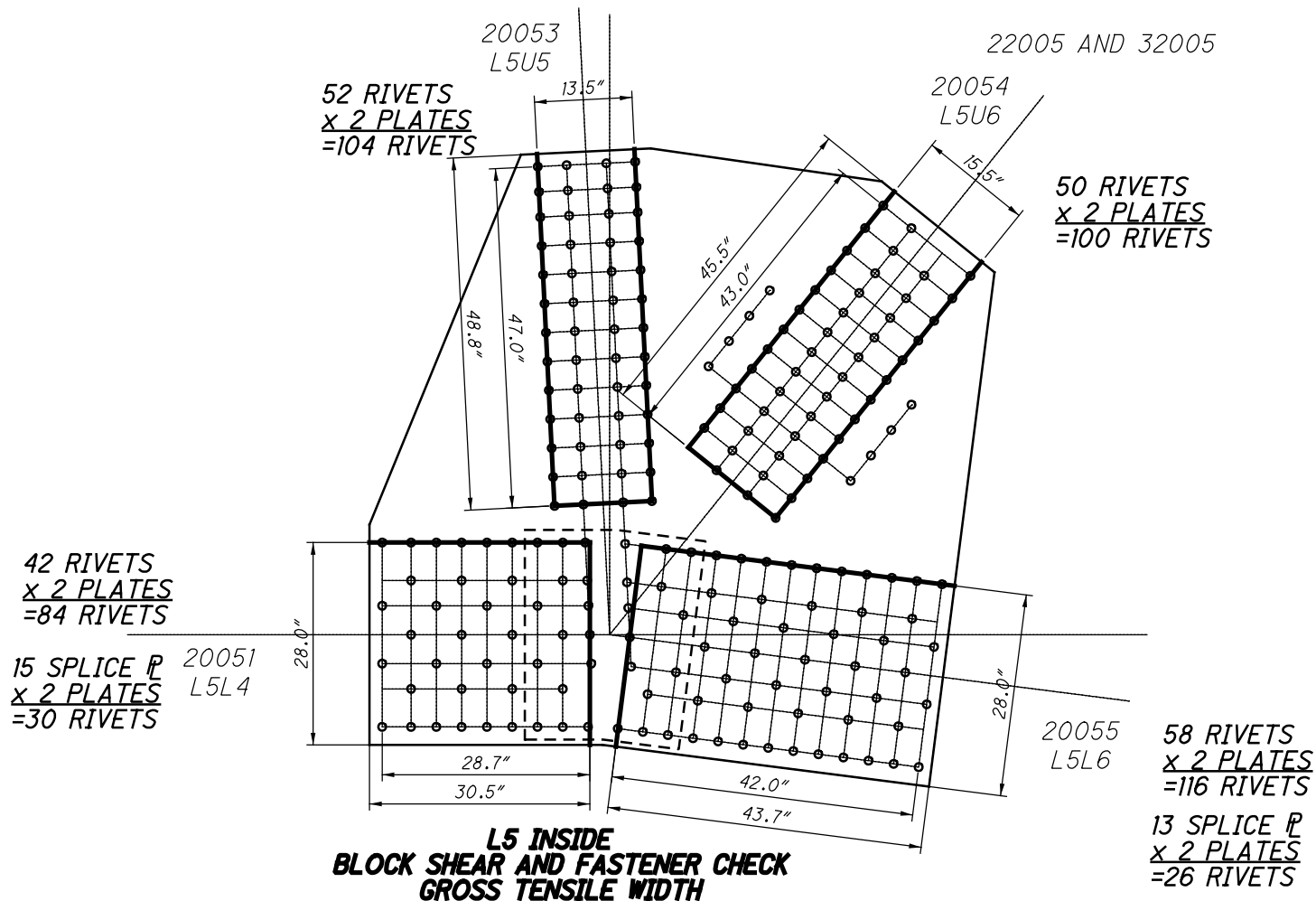
**L5 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

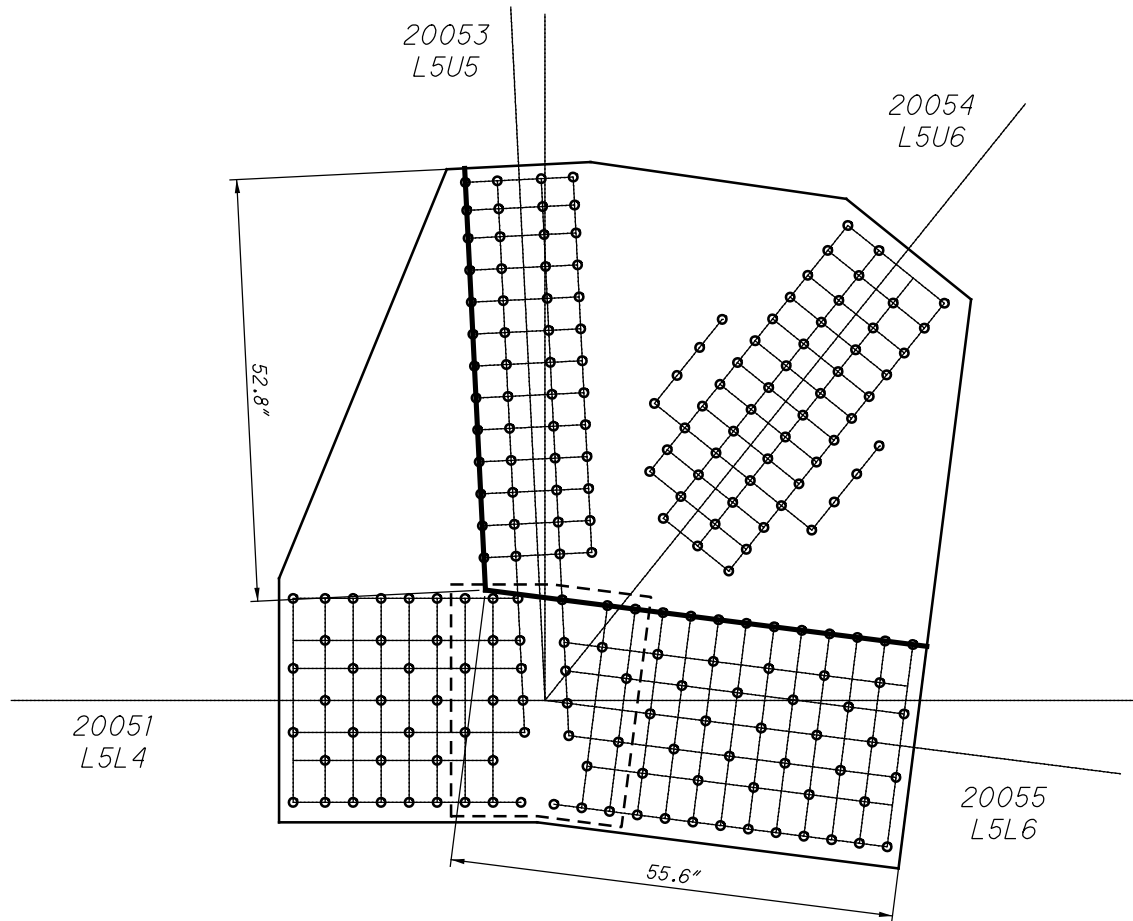


**L5 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

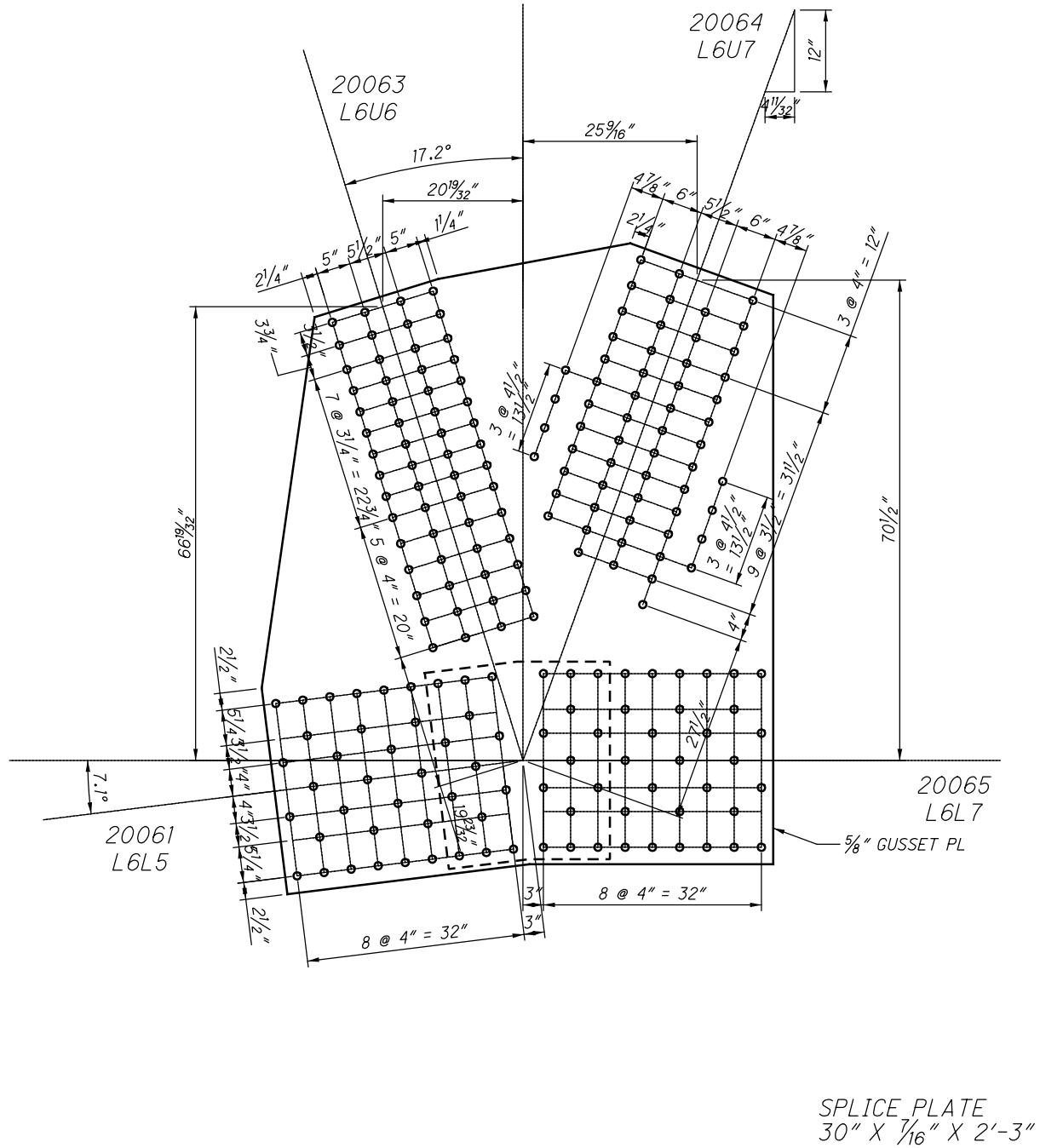


**L5 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

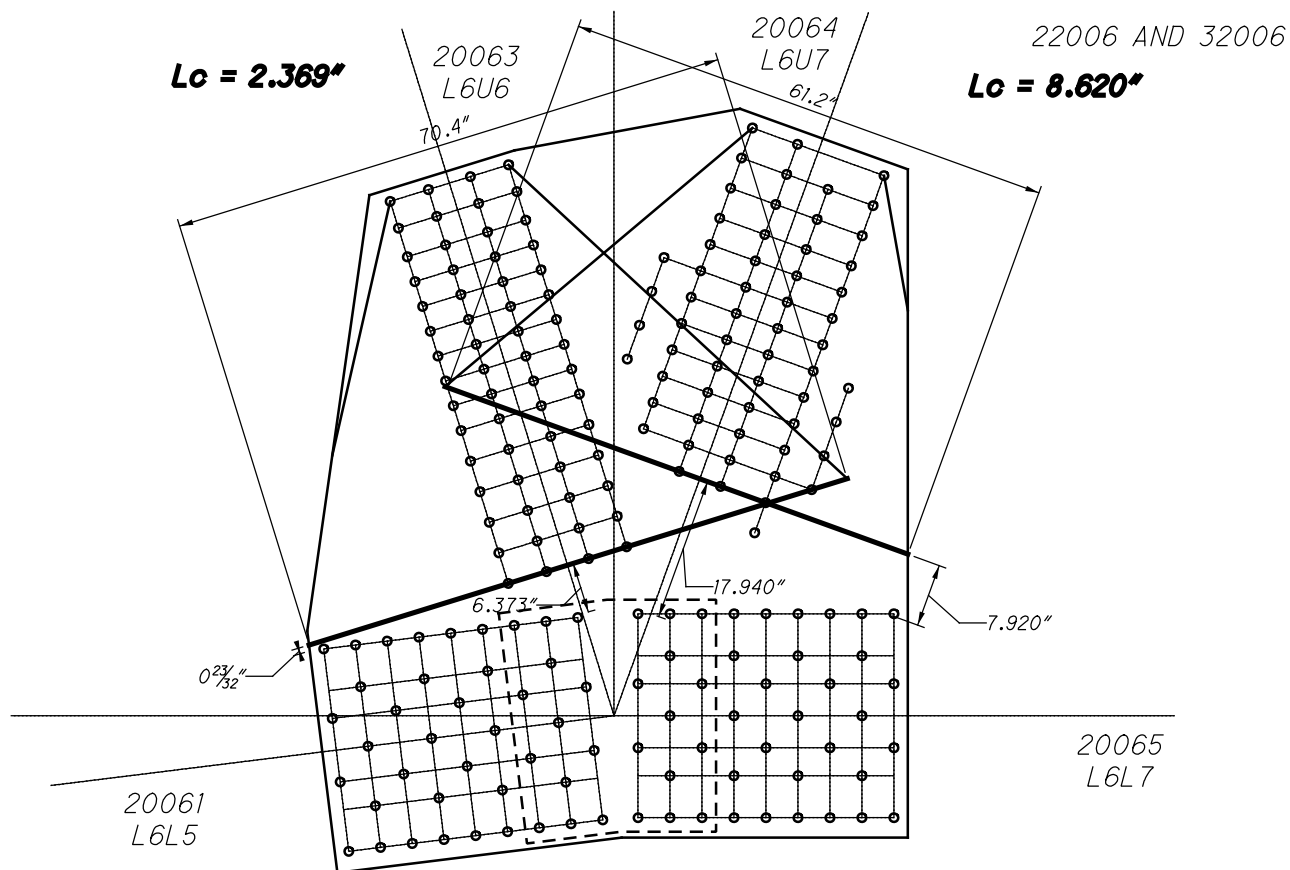




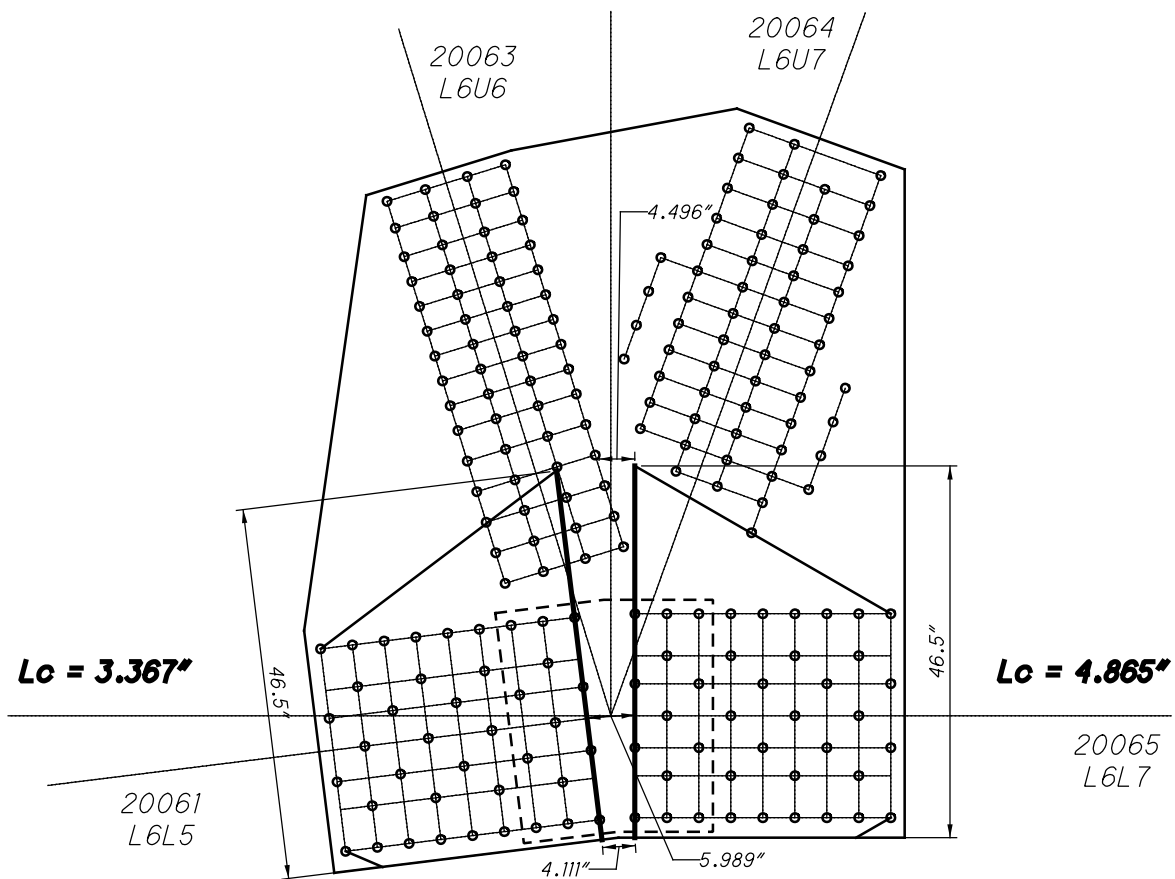
**L5 INSIDE
QUADRANT DIMENSIONS**



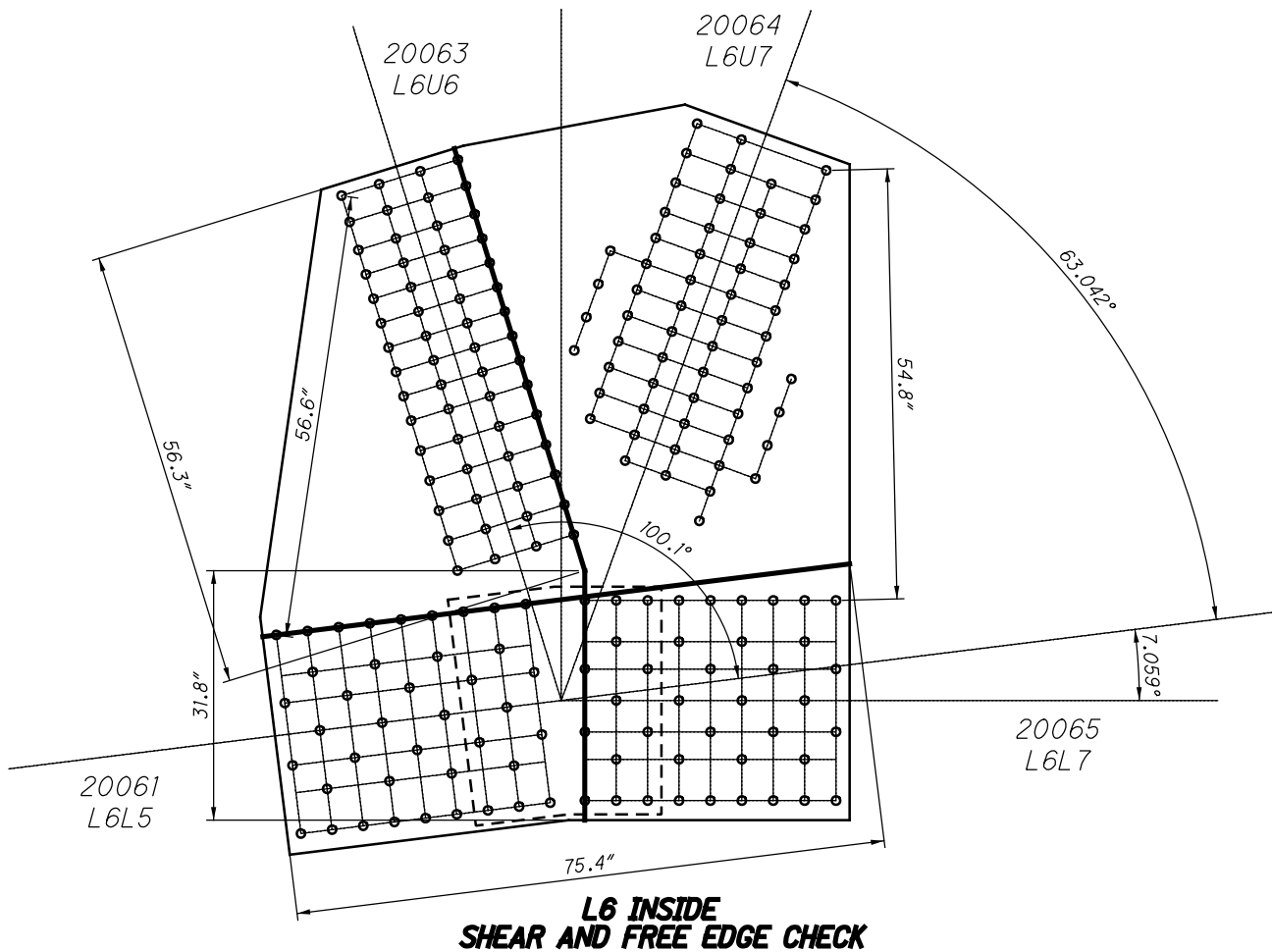
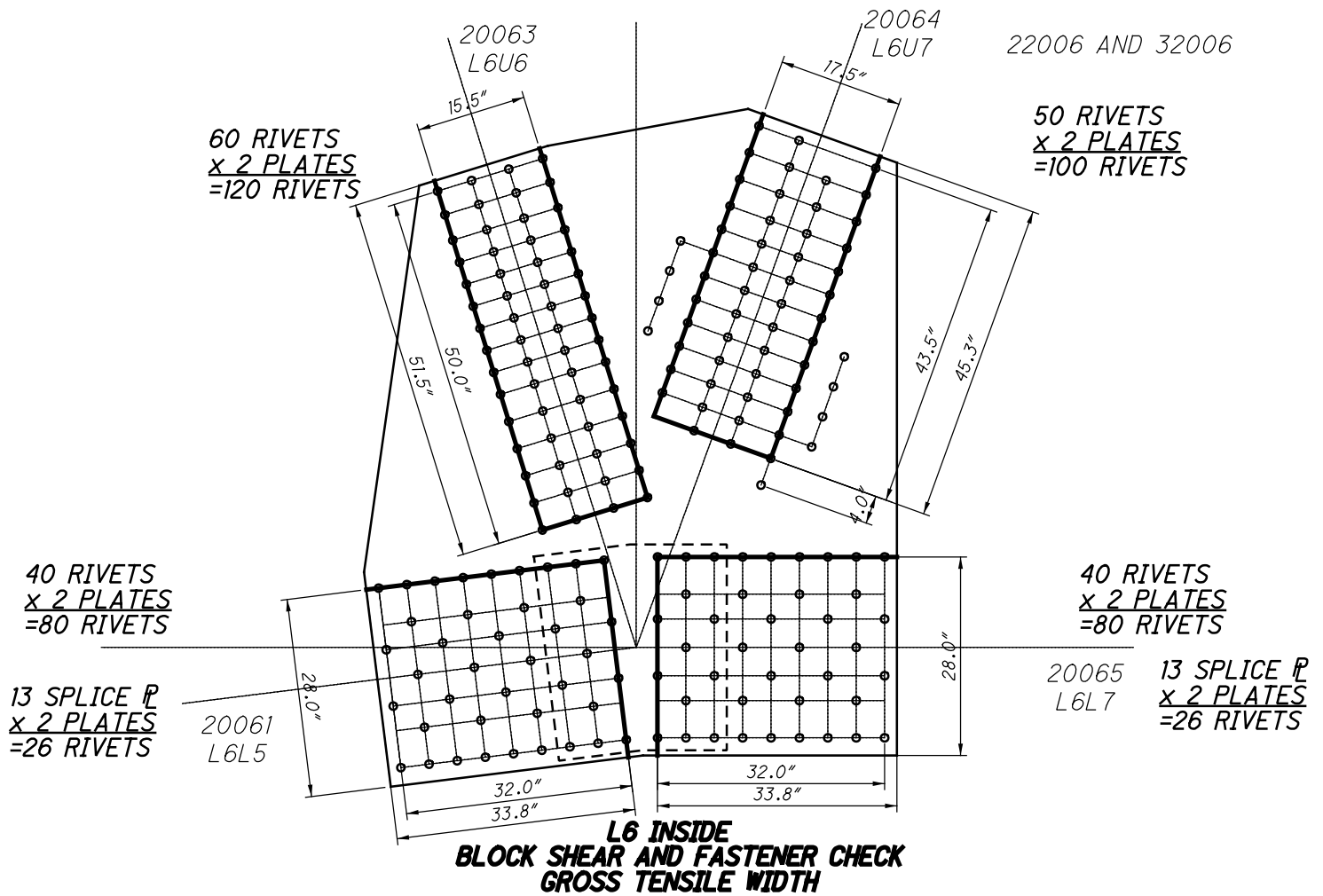
**L6 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

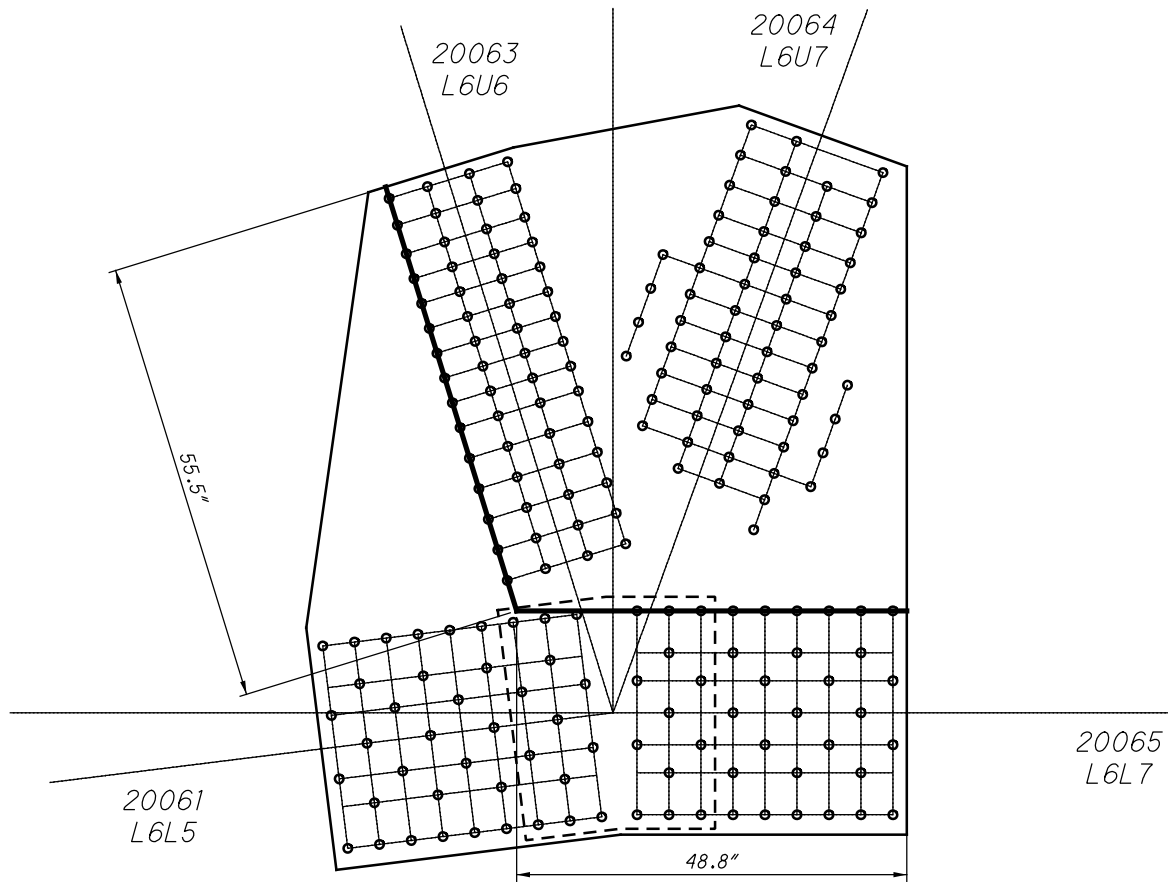


**L6 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

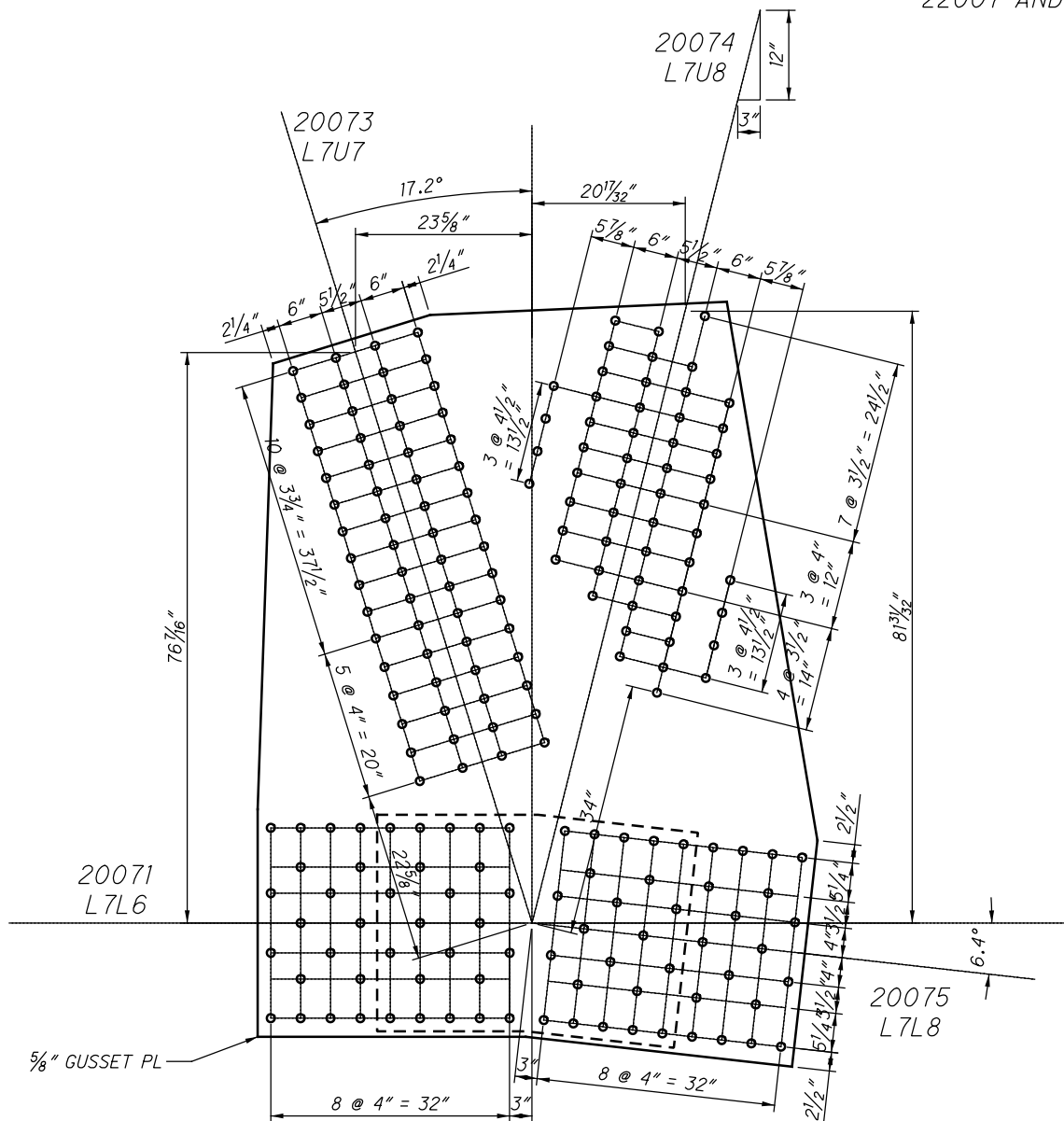


**L6 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



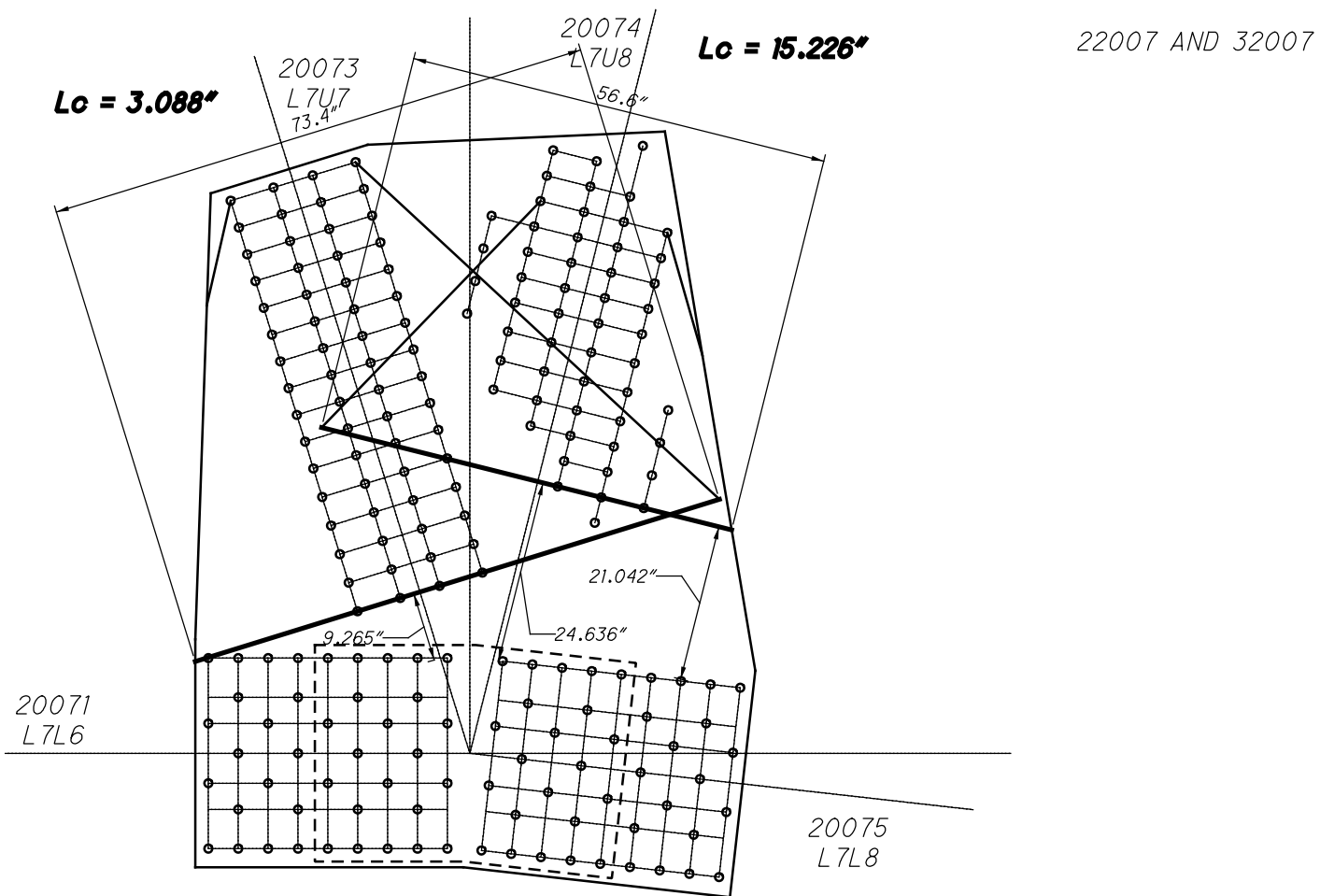


**L6 INSIDE
QUADRANT DIMENSIONS**

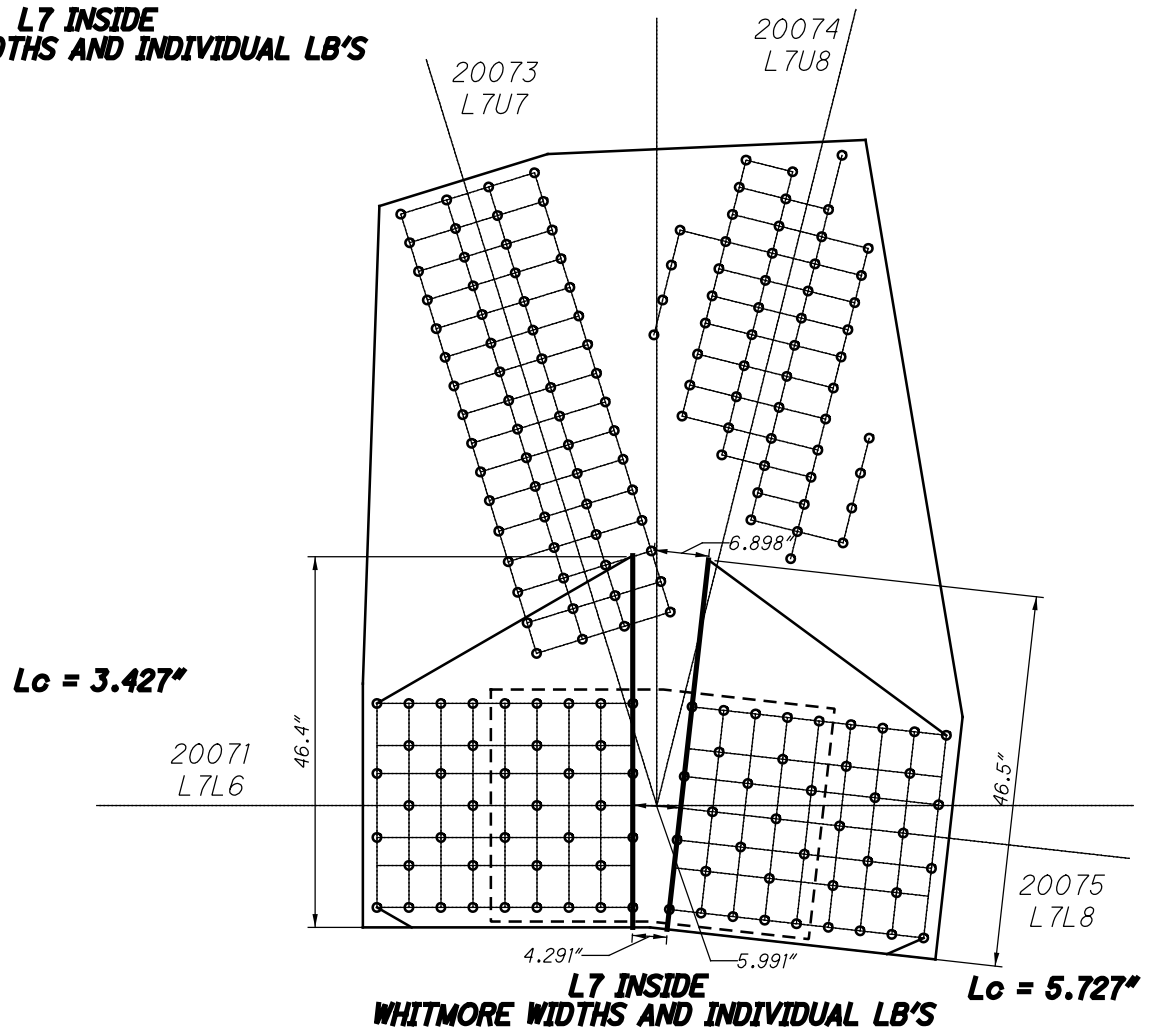


SPLICE PLATE
30" X 7/16" X 3'-7"

**L7 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



**L7 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



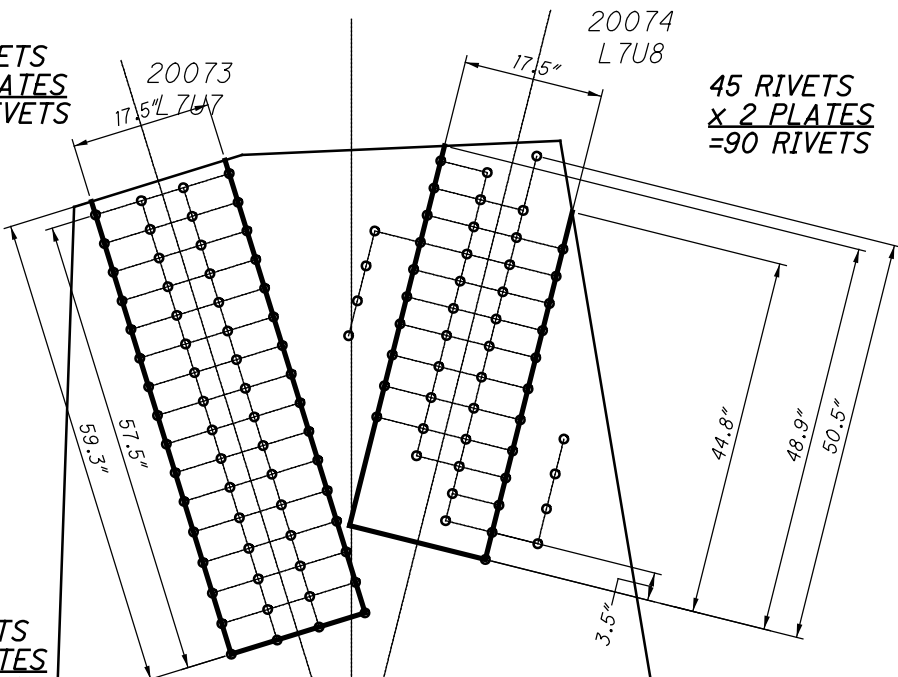
64 RIVETS
x 2 PLATES
=128 RIVETS

20073
17.5" L7U7

20074
L7U8

45 RIVETS
x 2 PLATES
=90 RIVETS

22007 AND 32007



40 RIVETS
x 2 PLATES
=80 RIVETS

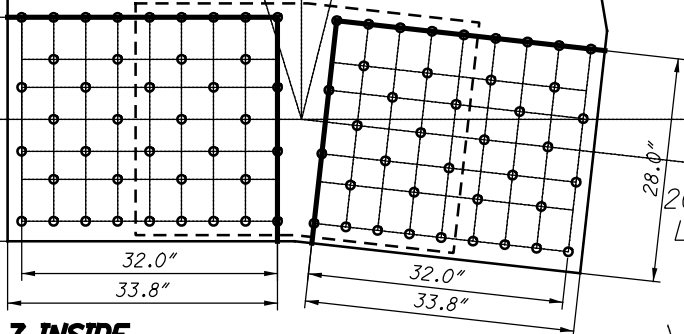
20071
L7L6

22 SPLICE P
x 2 PLATES
=44 RIVETS

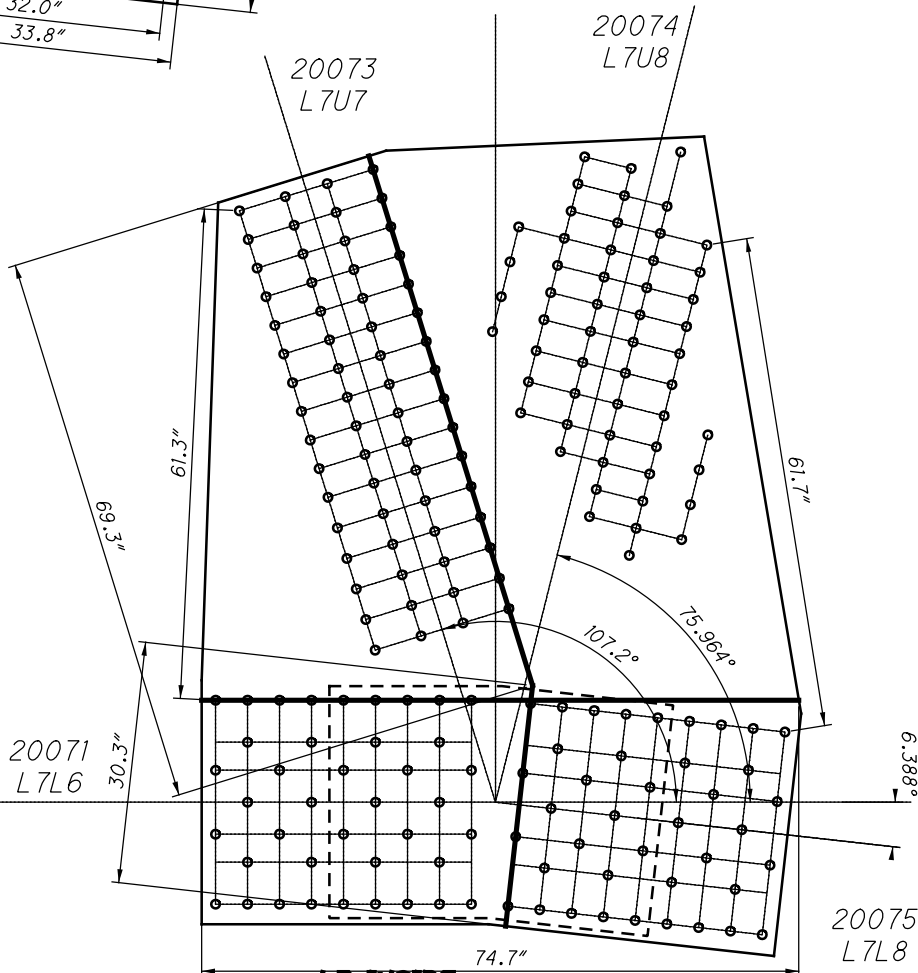
40 RIVETS
x 2 PLATES
=80 RIVETS

22 SPLICE P
x 2 PLATES
=44 RIVETS

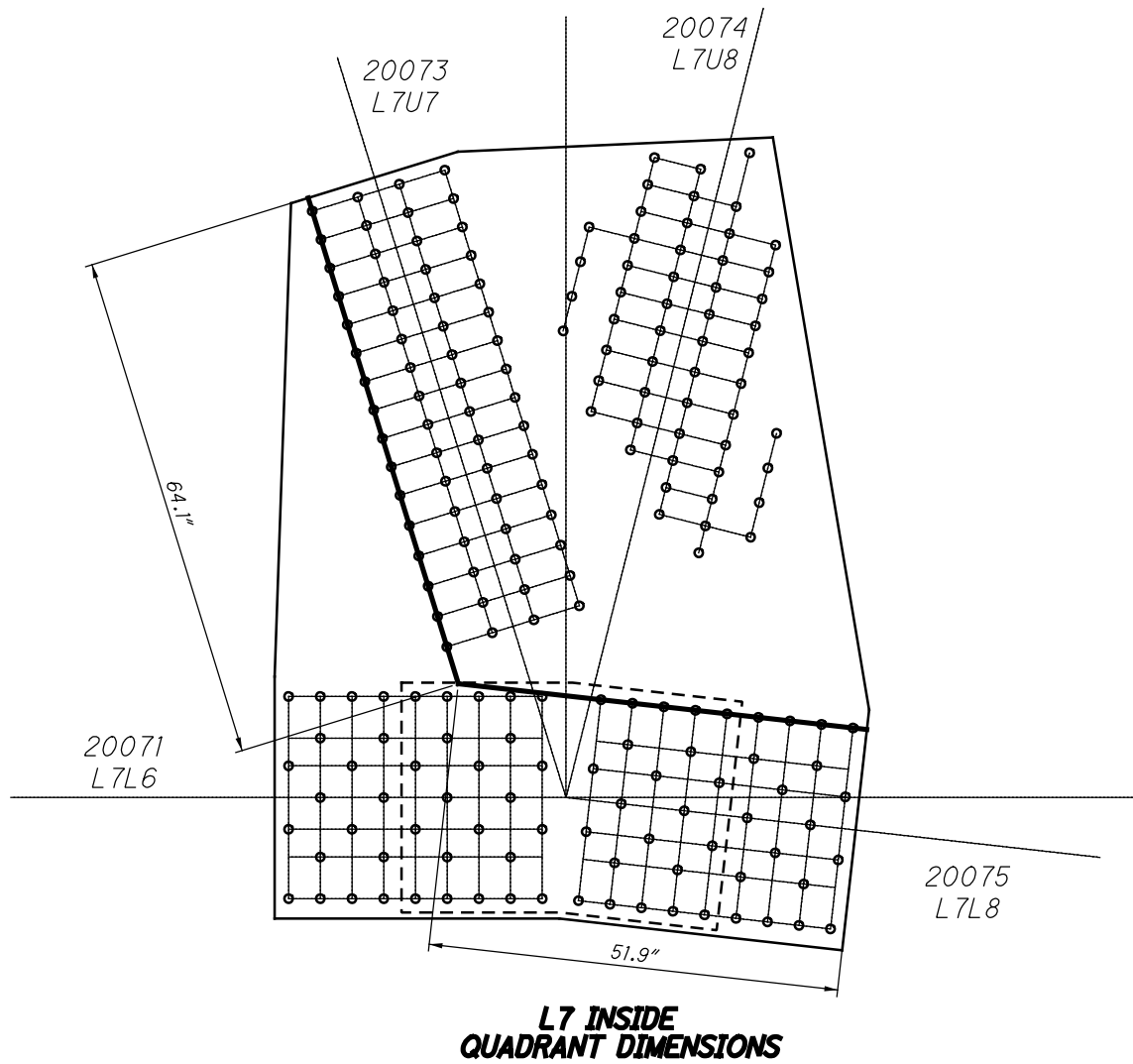
20075
L7L8

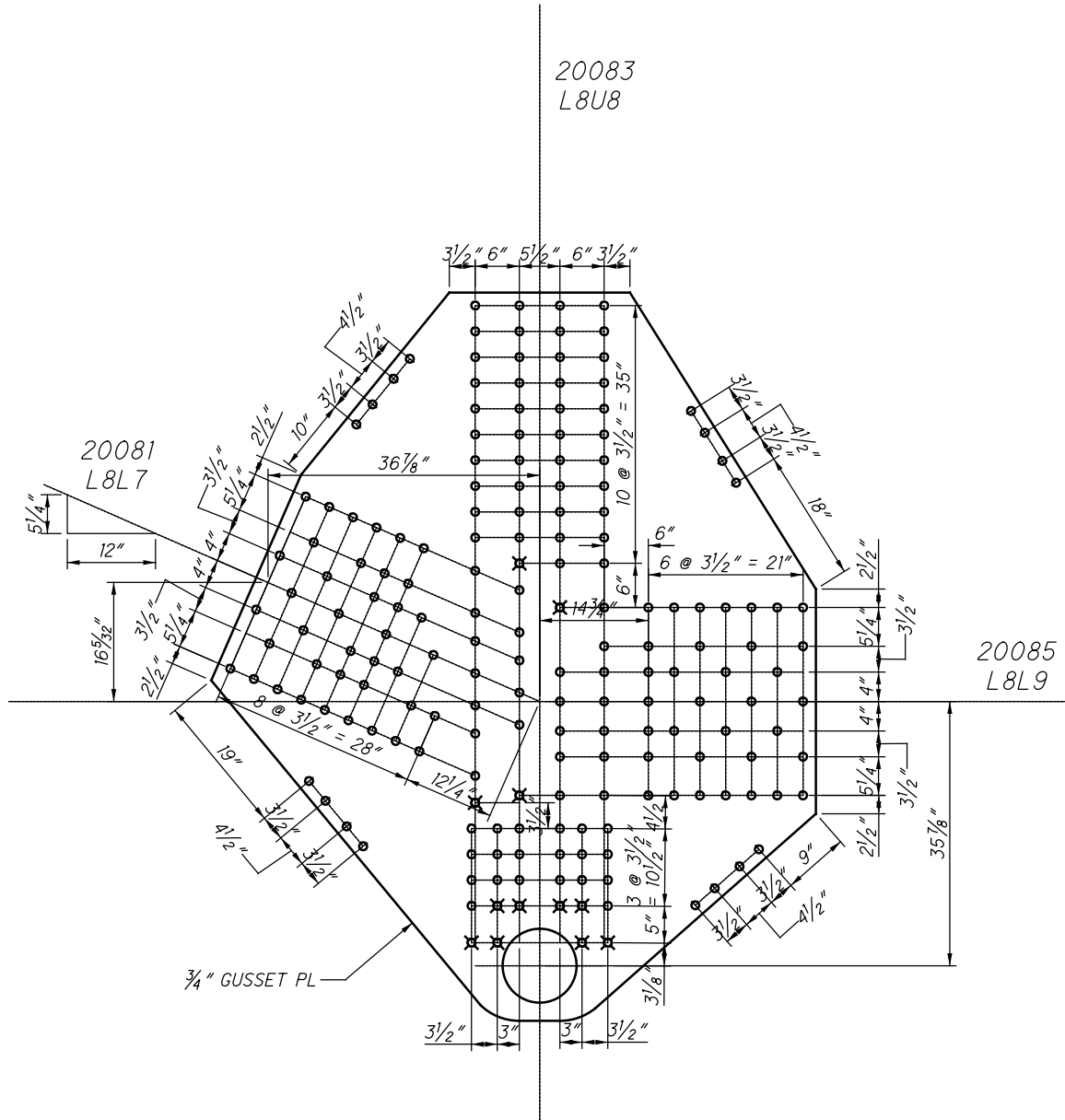


**L7 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L7 INSIDE
SHEAR AND FREE EDGE CHECK**





**L8 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

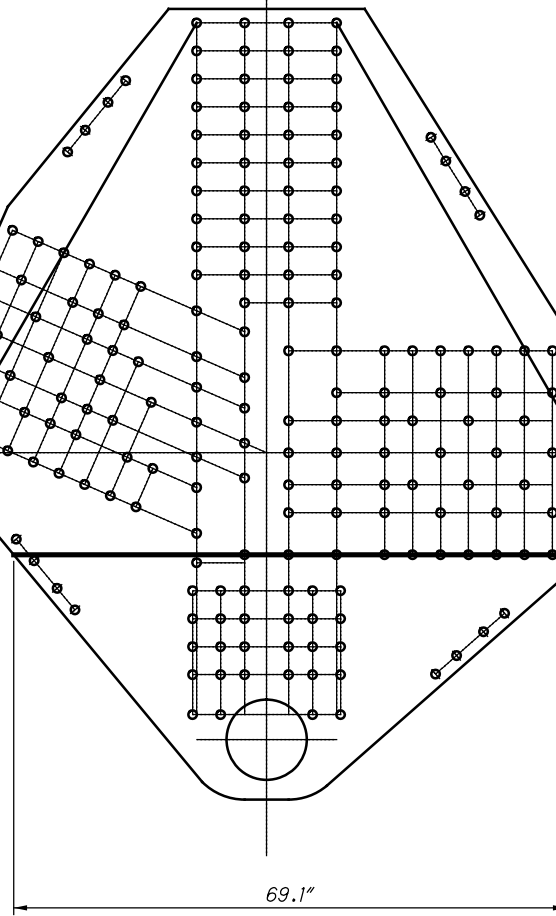
$L_c = 0.000"$

20083
L8U8

20081
L8L7

20085
L8L9

**L8 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



20083
L8U8

69.1"

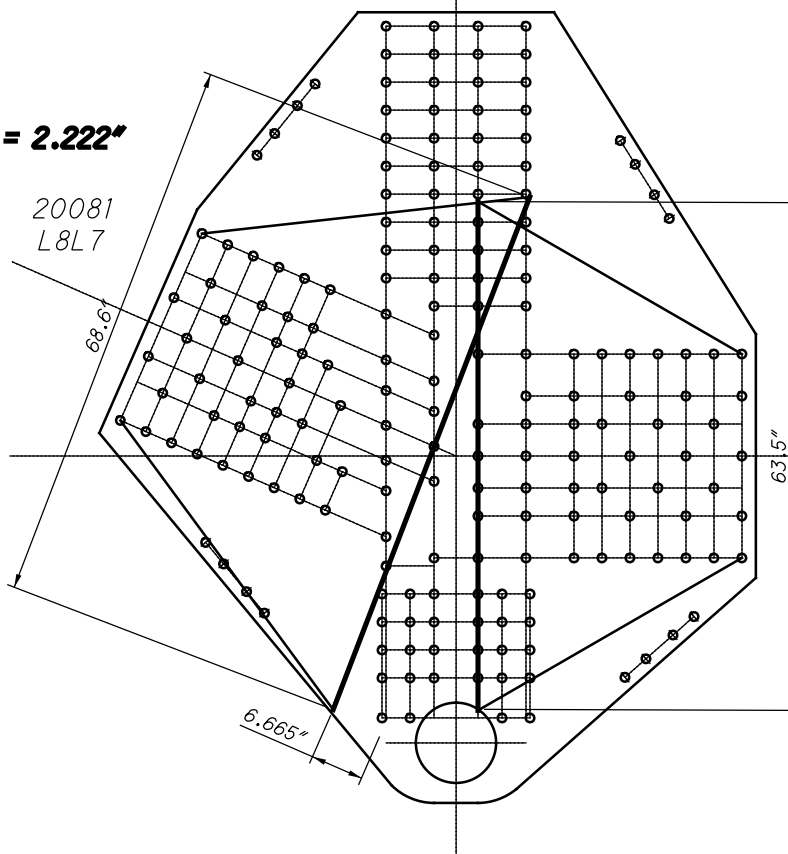
$L_c = 2.222"$

20081
L8L7

$L_c = 0.000"$

20085
L8L9

**L8 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



22008 AND 32008

20083
L8U8

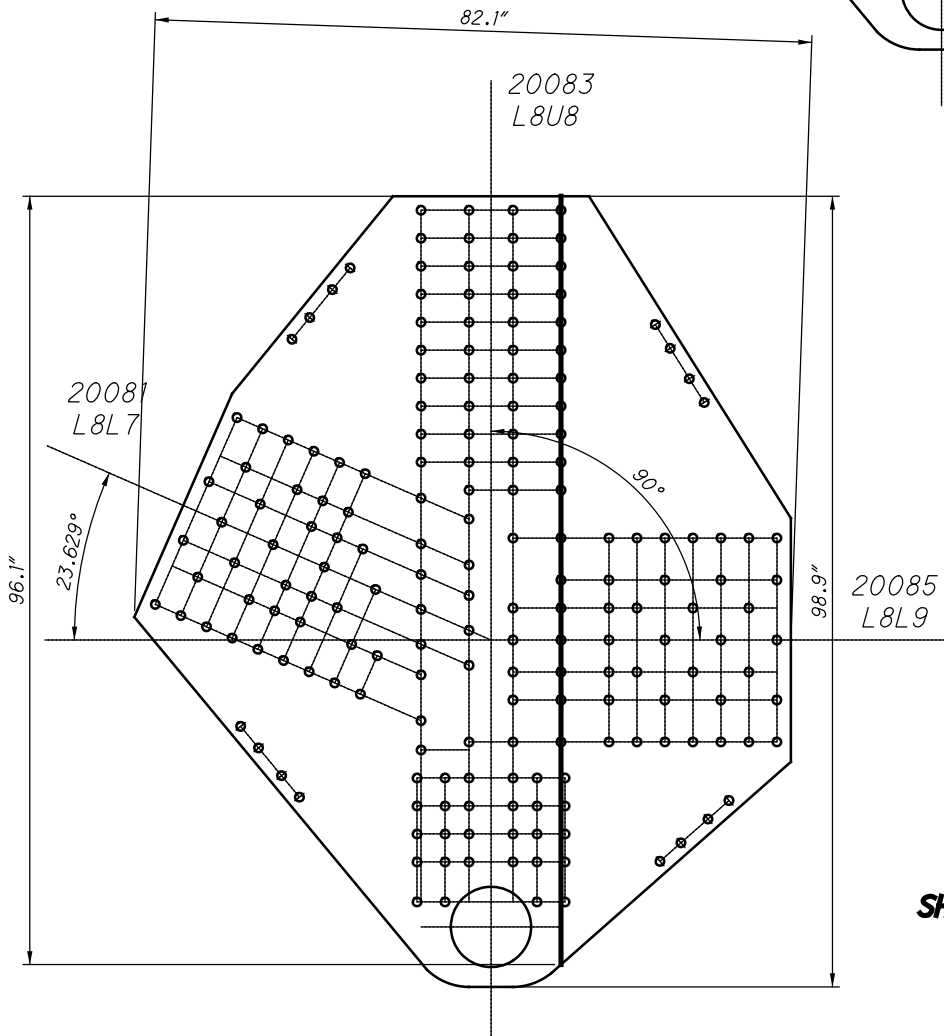
51 RIVETS
x 2 PLATES
=102 RIVETS

20081
L8L7

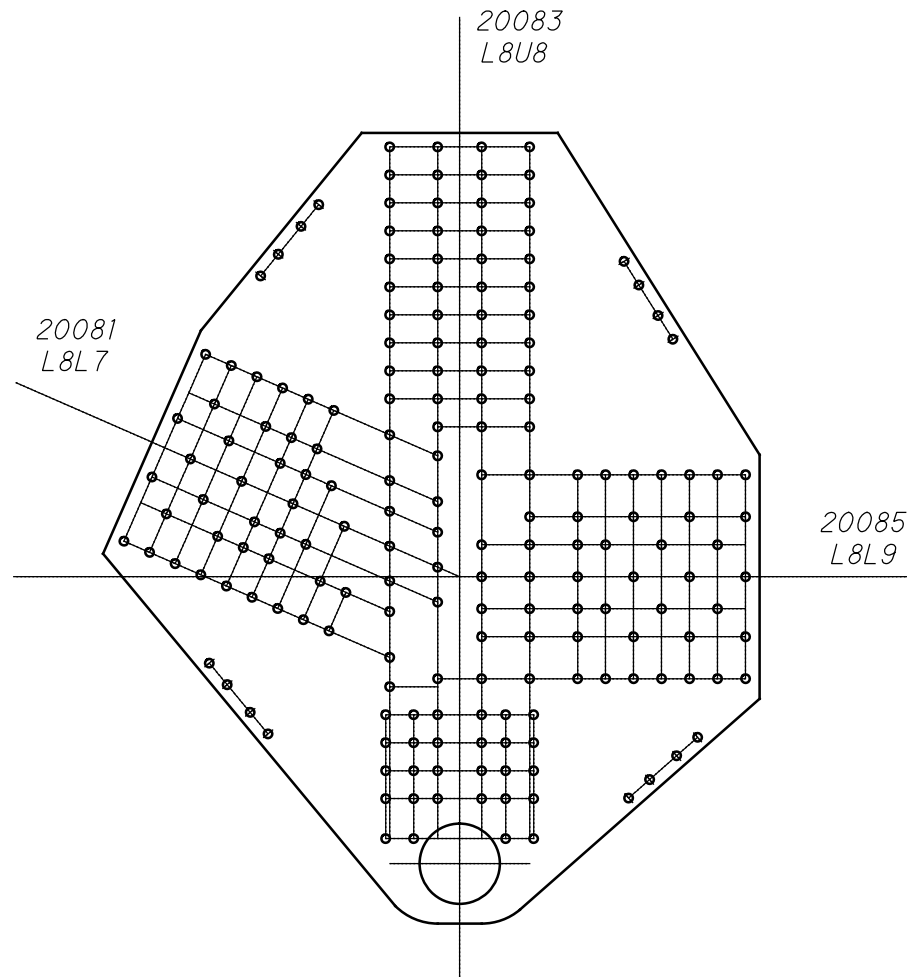
20085
L8L9

47 RIVETS
x 2 PLATES
=94 RIVETS

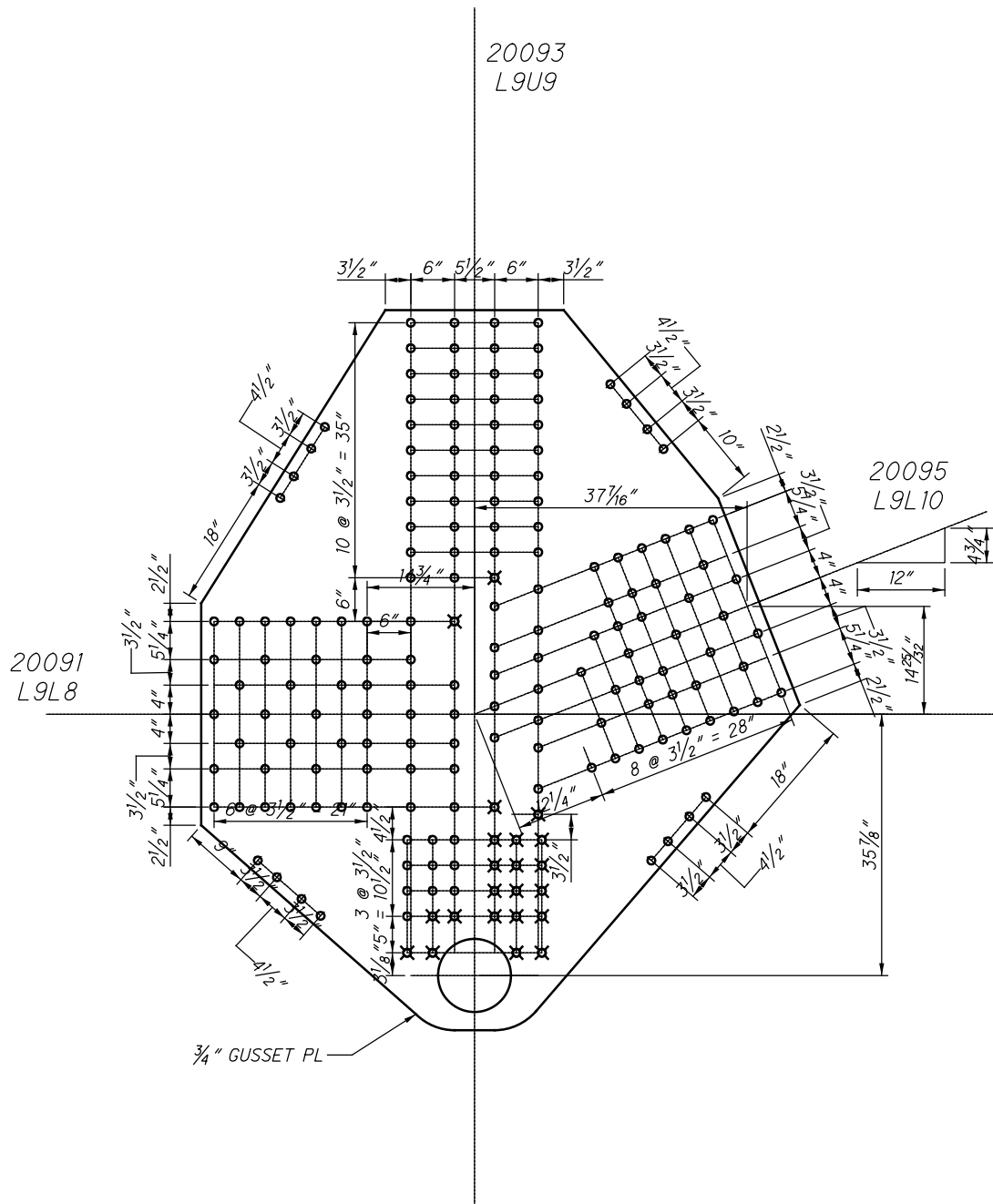
**L8 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L8 INSIDE
SHEAR AND FREE EDGE CHECK**



**L8 INSIDE
QUADRANT DIMENSIONS**



**L9 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

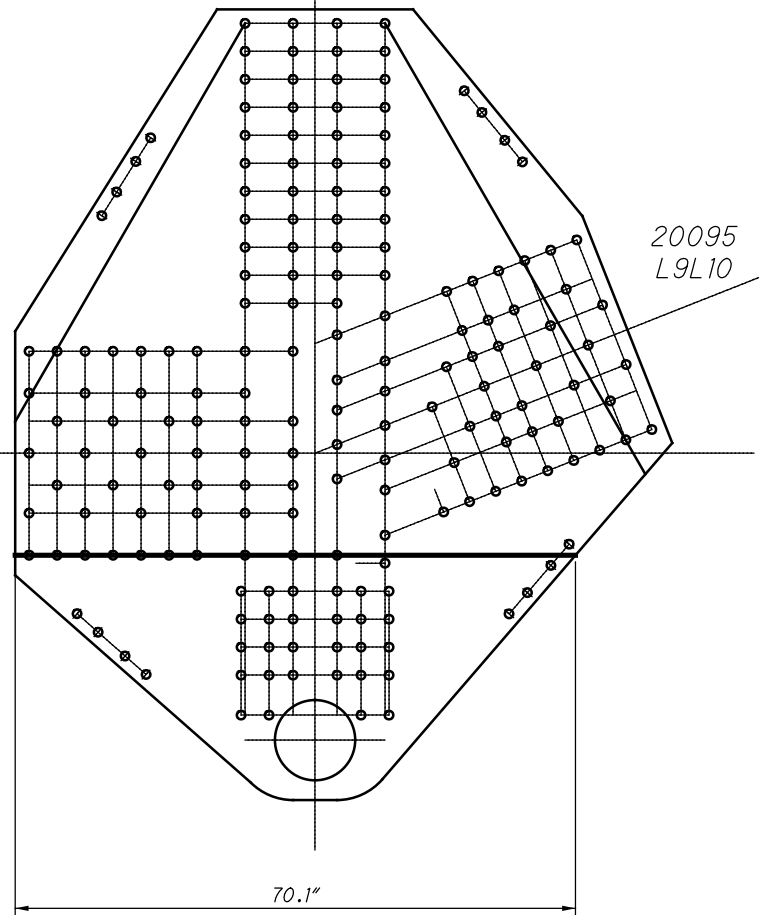
$L_c = 3.679''$

20093
L9U9

20095
L9L10

20091
L9L8

**L9 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



20093
L9U9

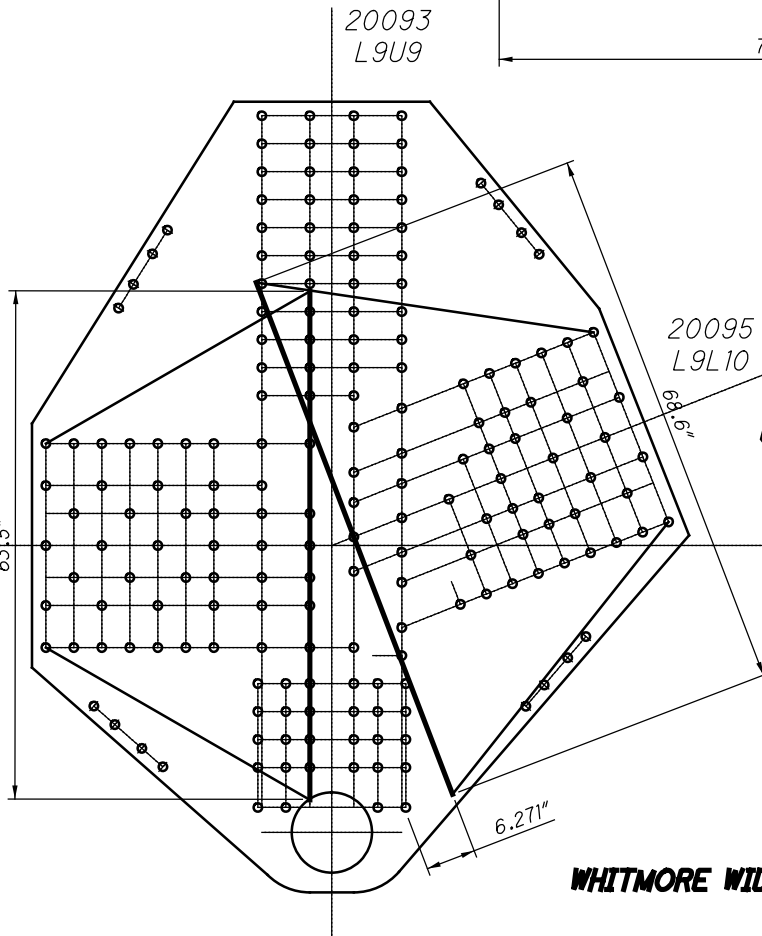
20095
L9L10

$L_c = 2.090''$

20091
L9L8

63.5"

$L_c = 0.000''$



**L9 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20093
L9U9

22009 AND 32009

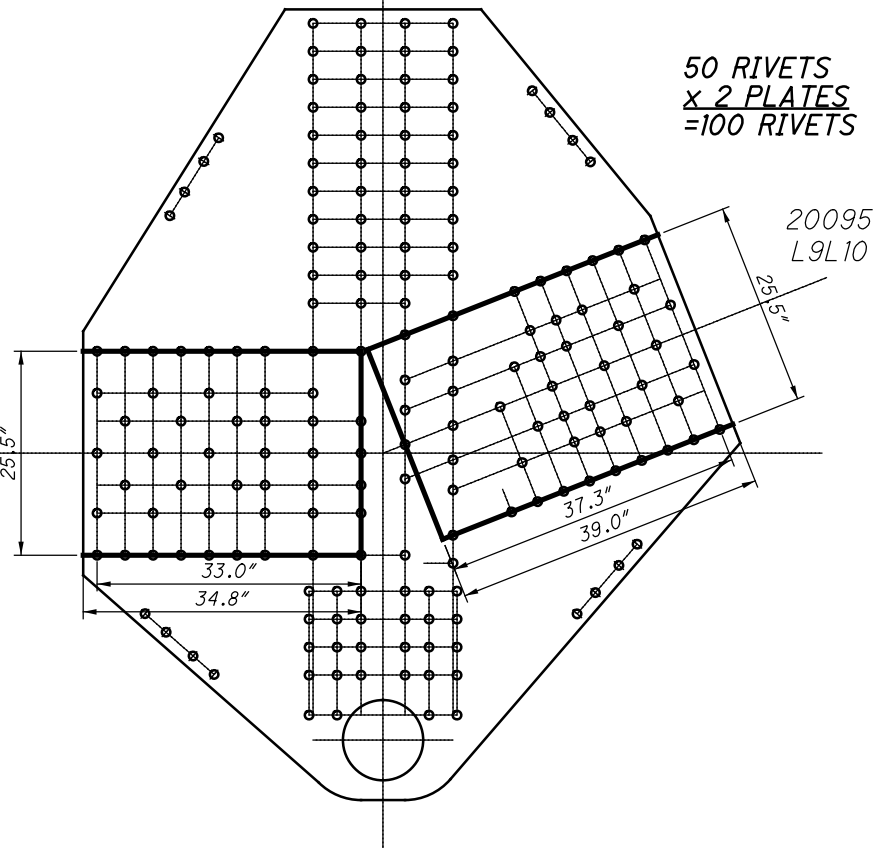
50 RIVETS
x 2 PLATES
=100 RIVETS

20095
L9L10

20091
L9L8

46 RIVETS
x 2 PLATES
=92 RIVETS

**L9 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



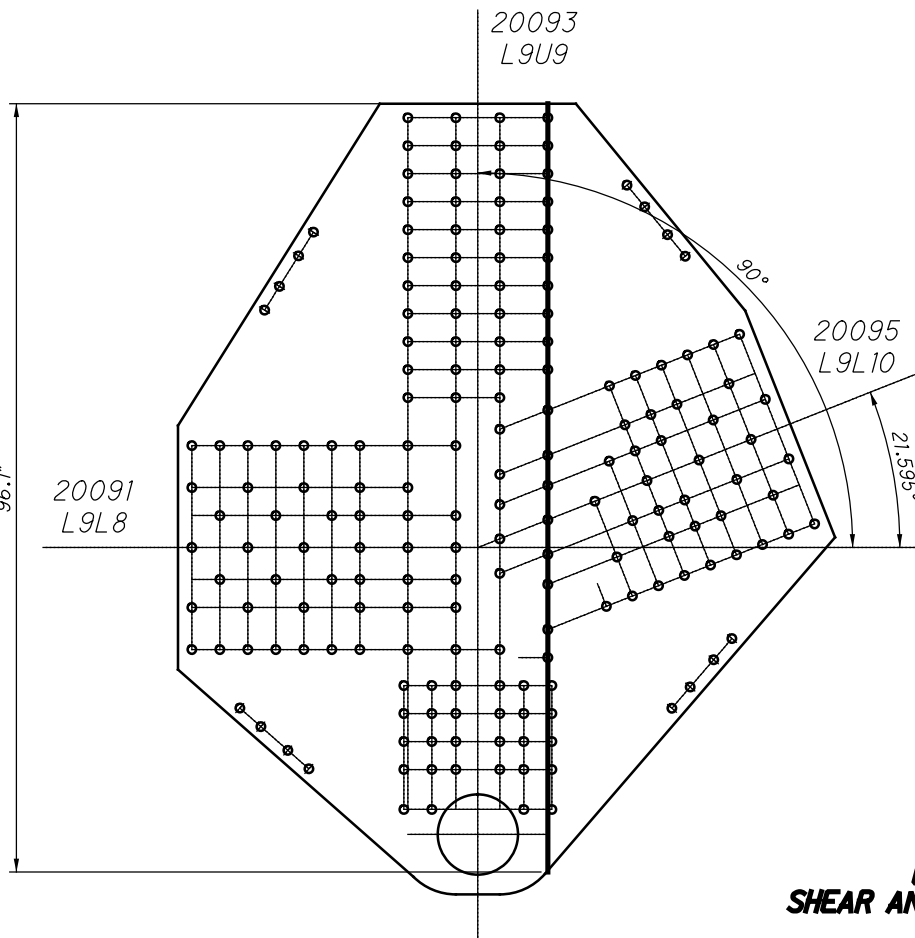
20093
L9U9

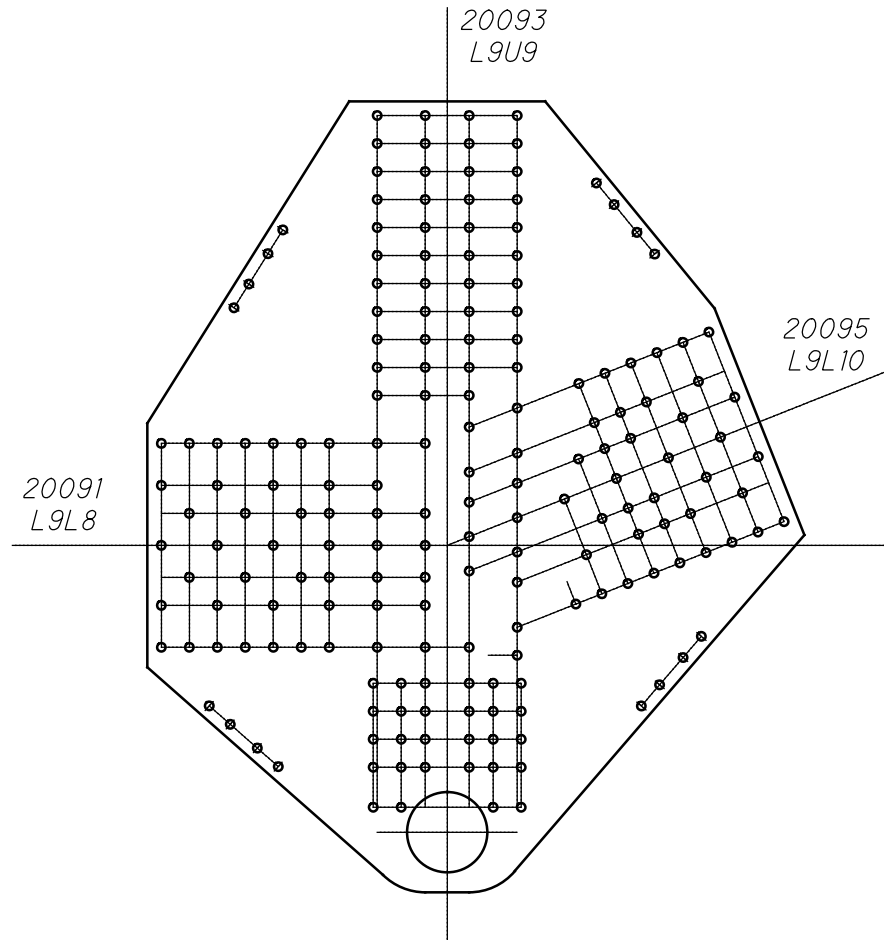
20095
L9L10

20091
L9L8

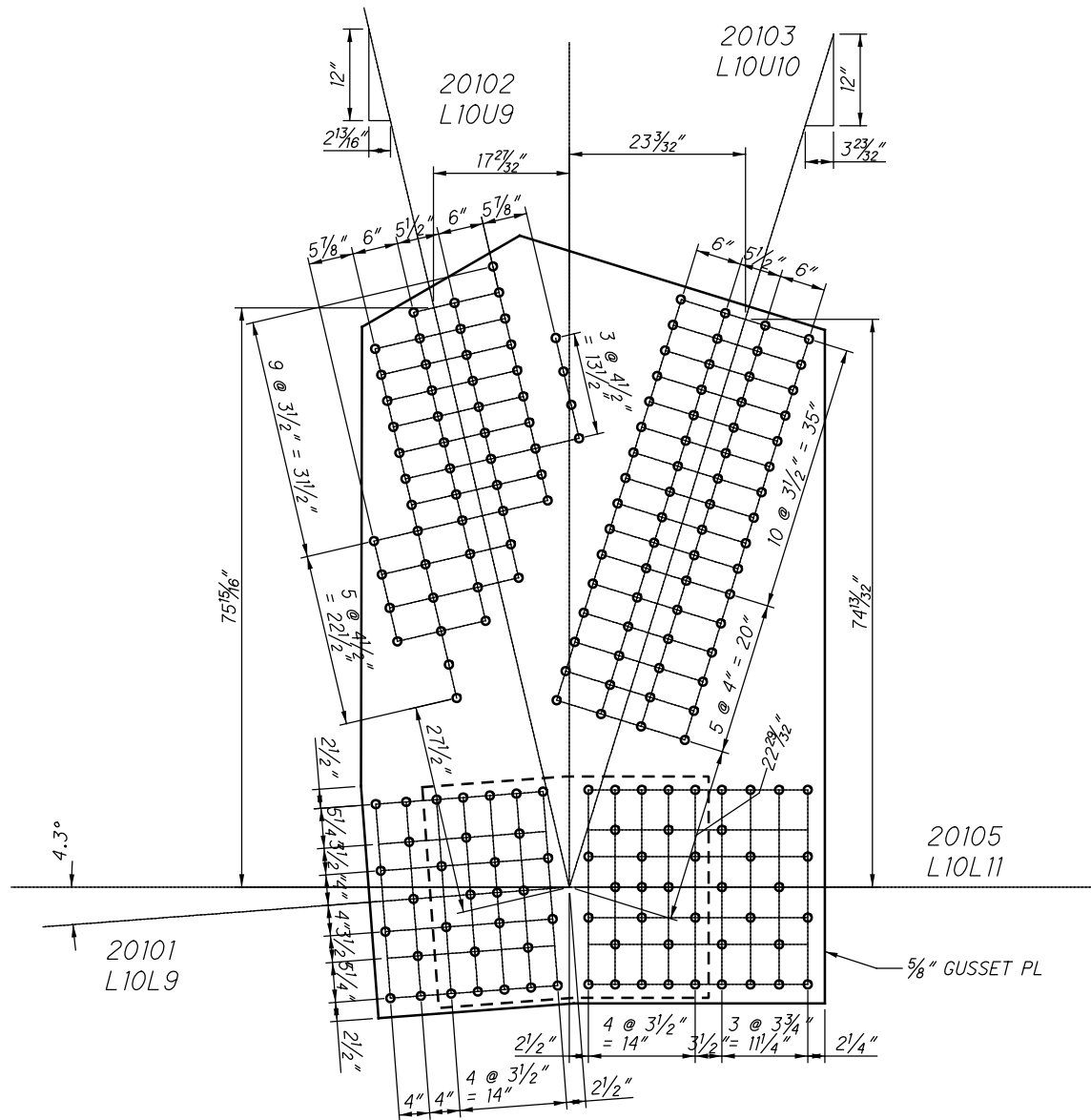
96.1"

**L9 INSIDE
SHEAR AND FREE EDGE CHECK**



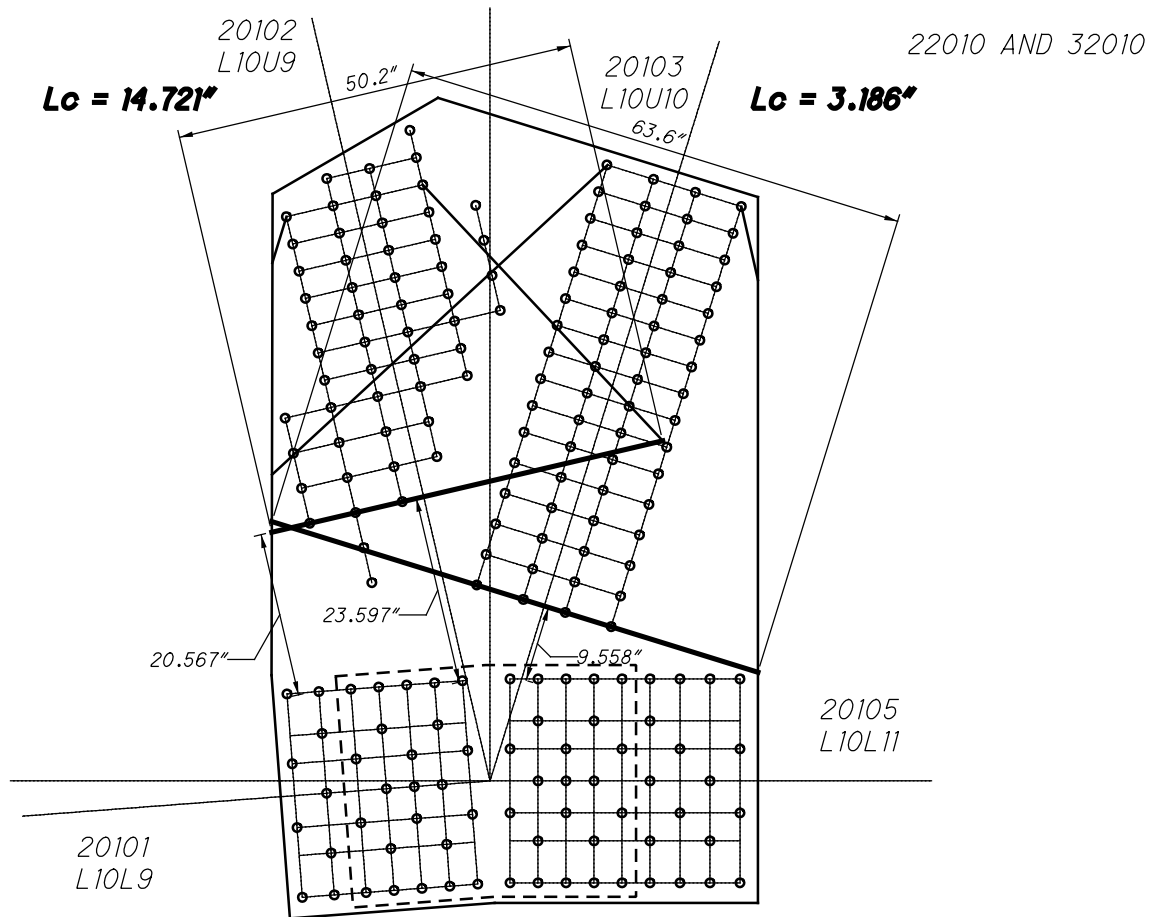


**L9 INSIDE
QUADRANT DIMENSIONS**

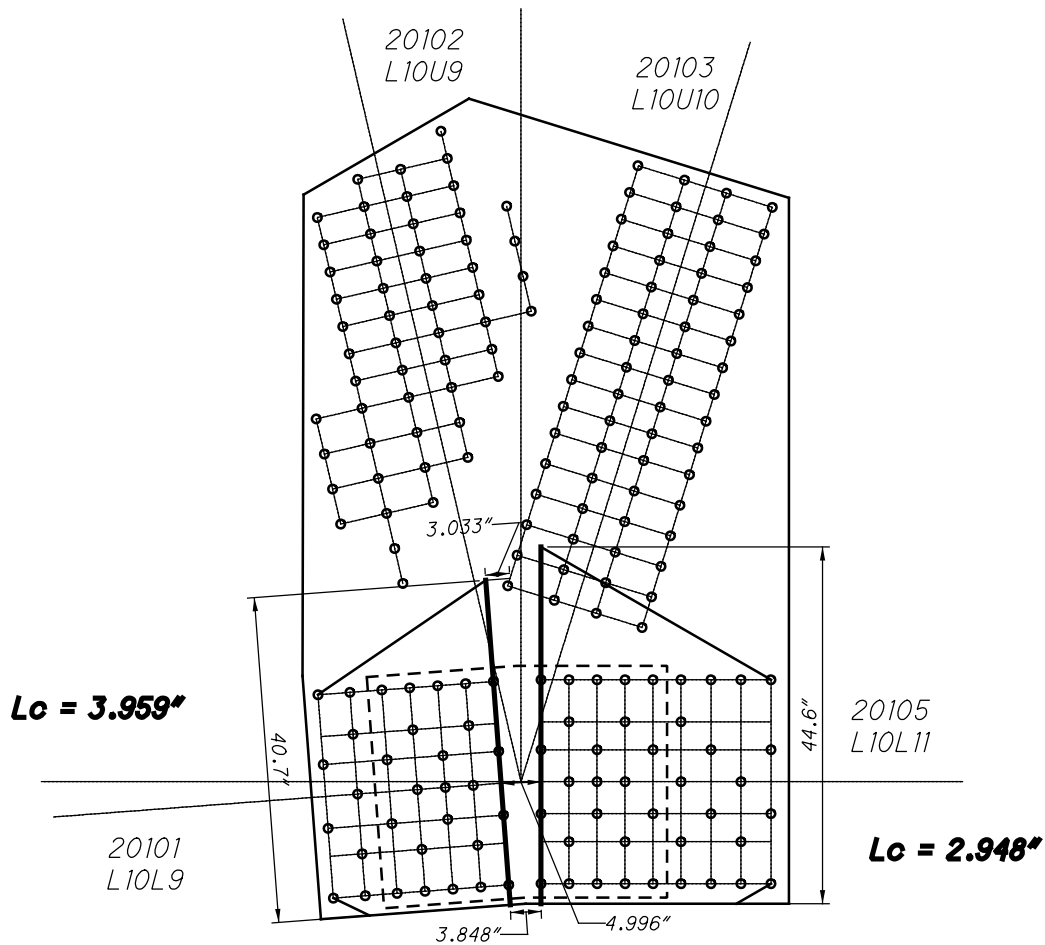


SPLICE PLATE
30" X 7/16" X 3'-1 3/4"

**L10 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



**L10 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L10 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

22010 AND 32010

46 RIVETS
x 2 PLATES
=92 RIVETS

64 RIVETS
x 2 PLATES
=128 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

40 RIVETS
x 2 PLATES
=80 RIVETS

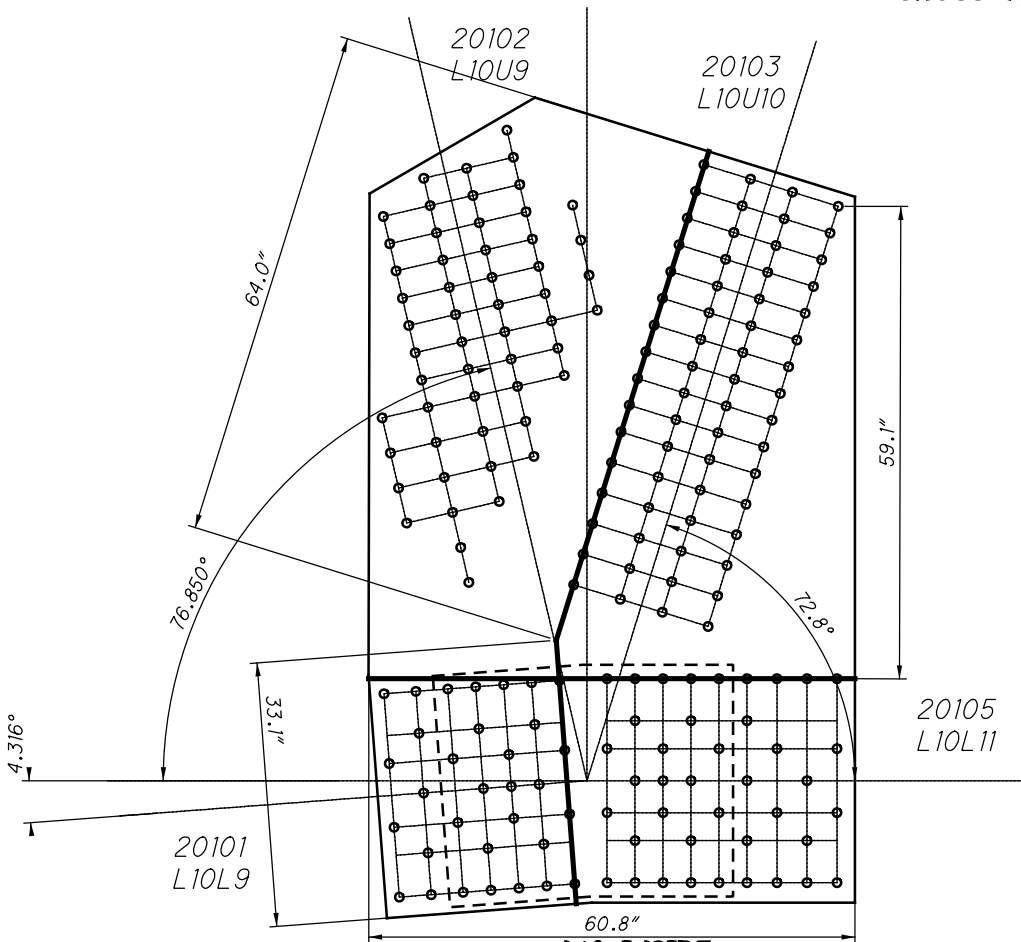
23 SPLICE P
x 2 PLATES
=46 RIVETS

23 SPLICE P
x 2 PLATES
=46 RIVETS

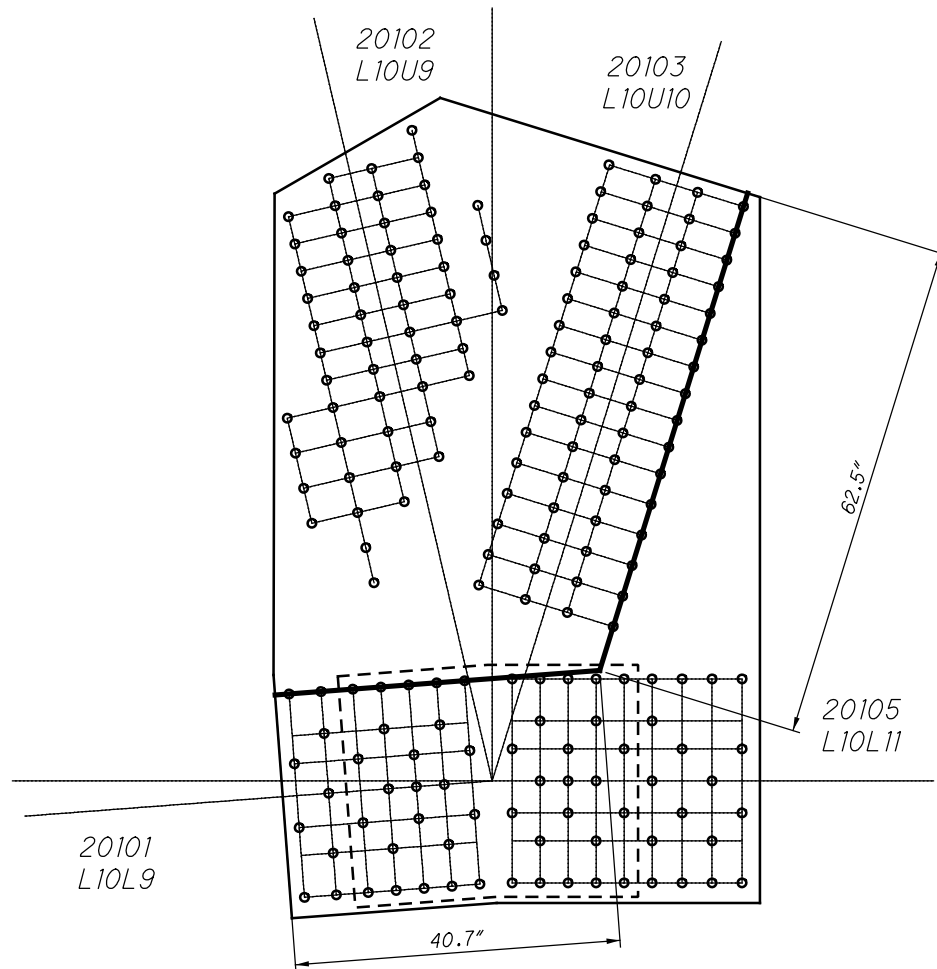
20101
L10L9

20105
L10L11

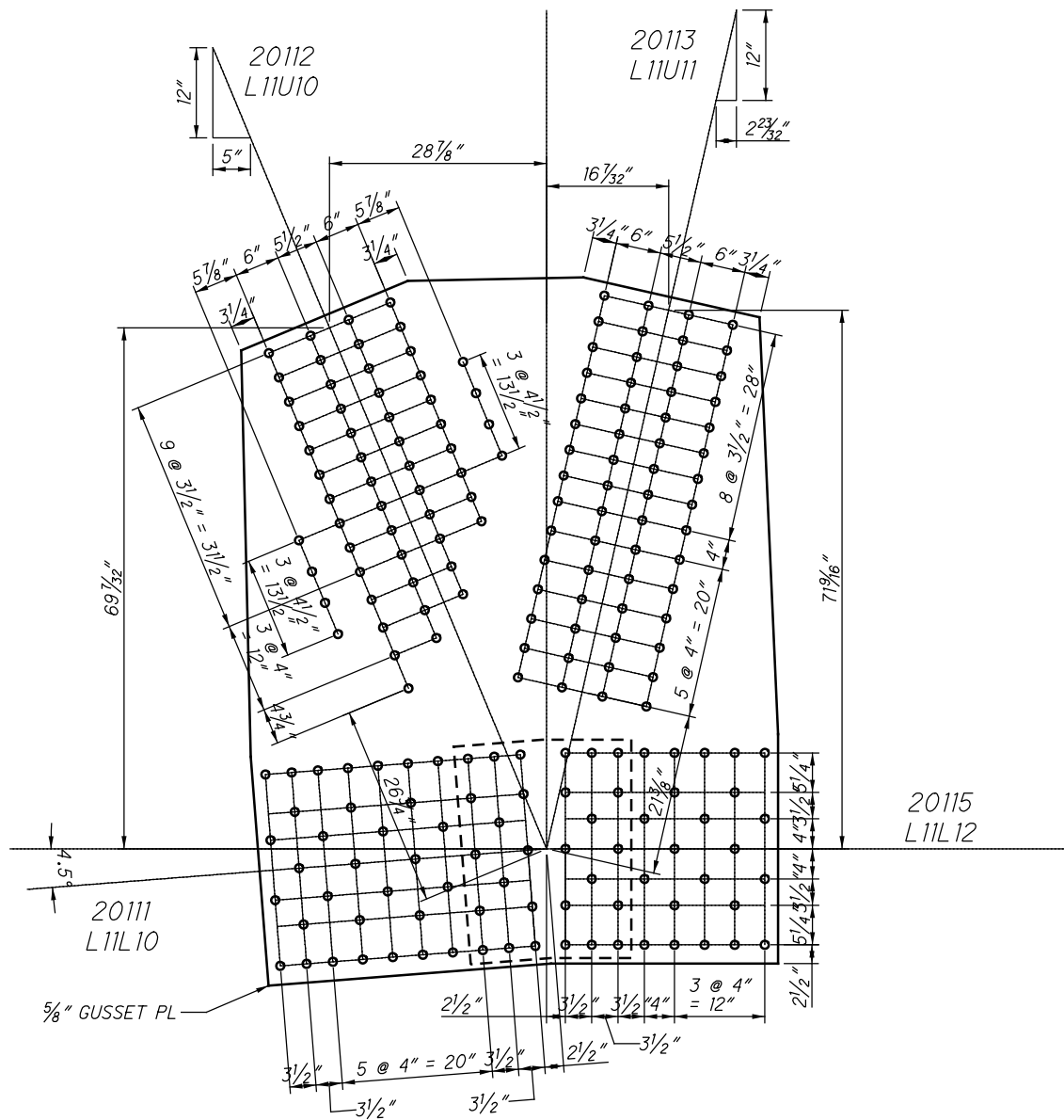
**L10 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L10 INSIDE
SHEAR AND FREE EDGE CHECK**

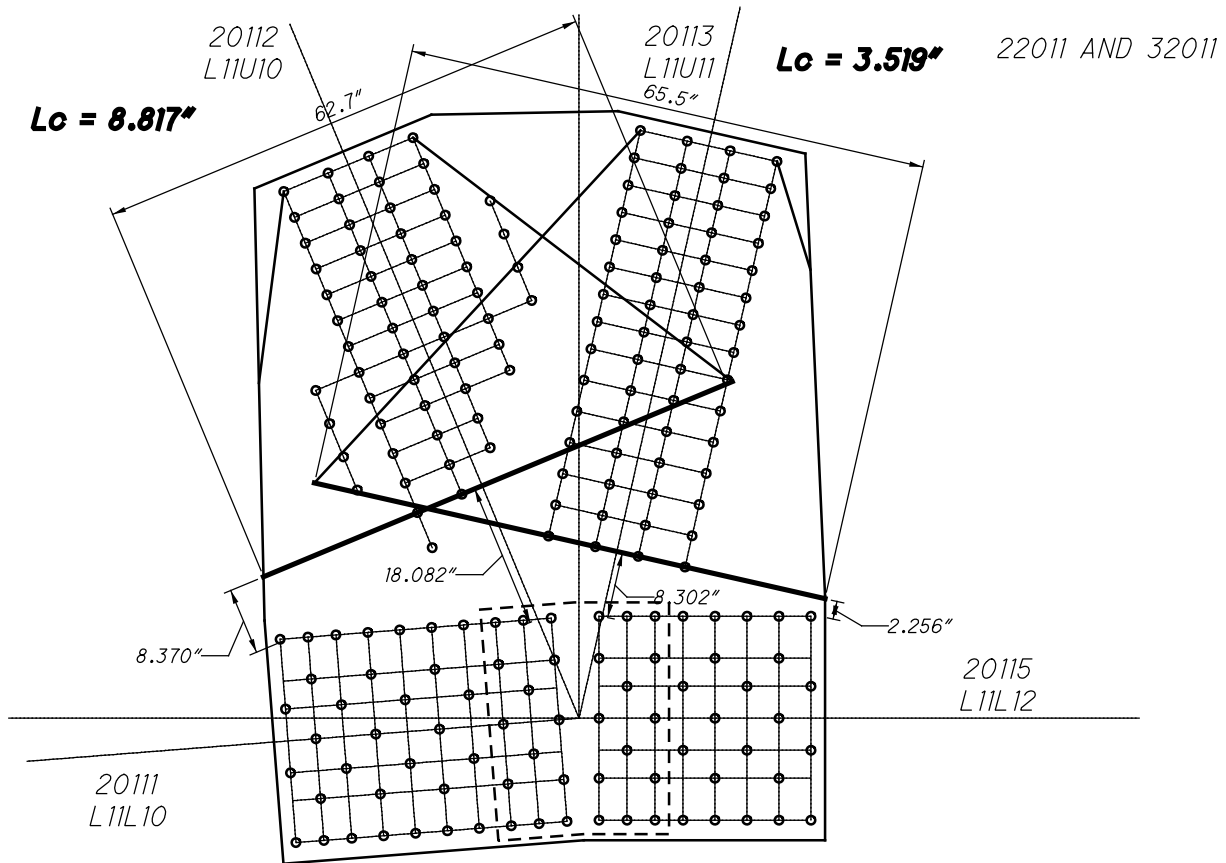


**L10 INSIDE
QUADRANT DIMENSIONS**

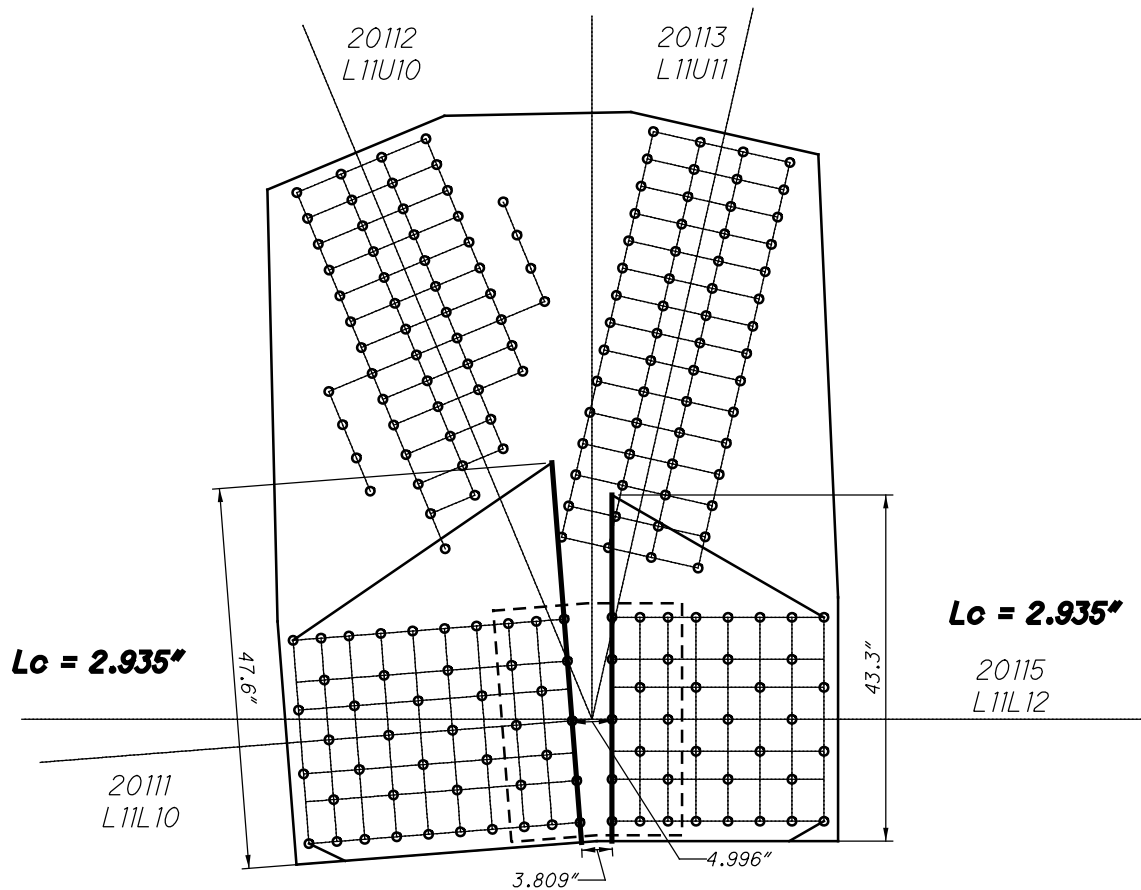


SPLICE PLATE
30" X 3/8" X 1'-11 5/8"

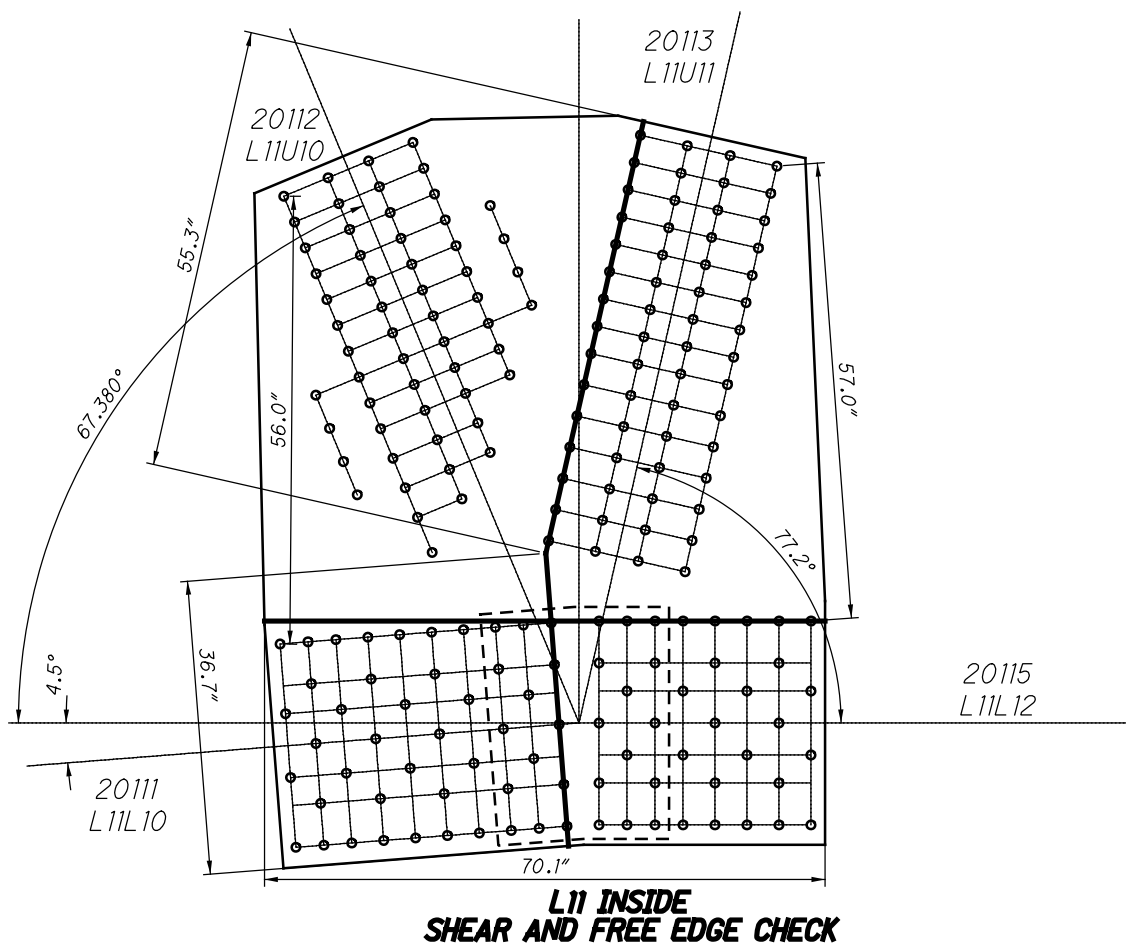
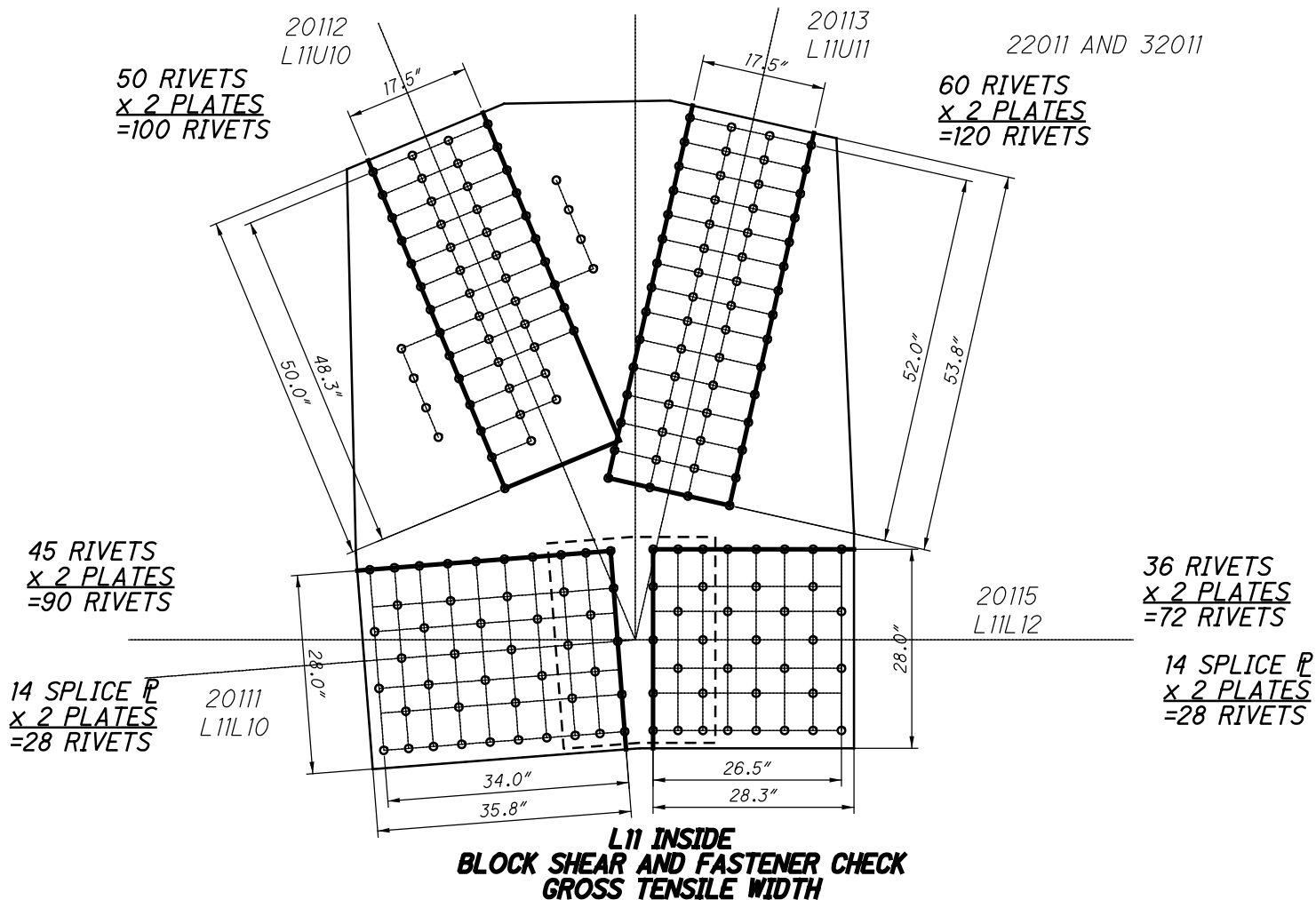
**L11 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**

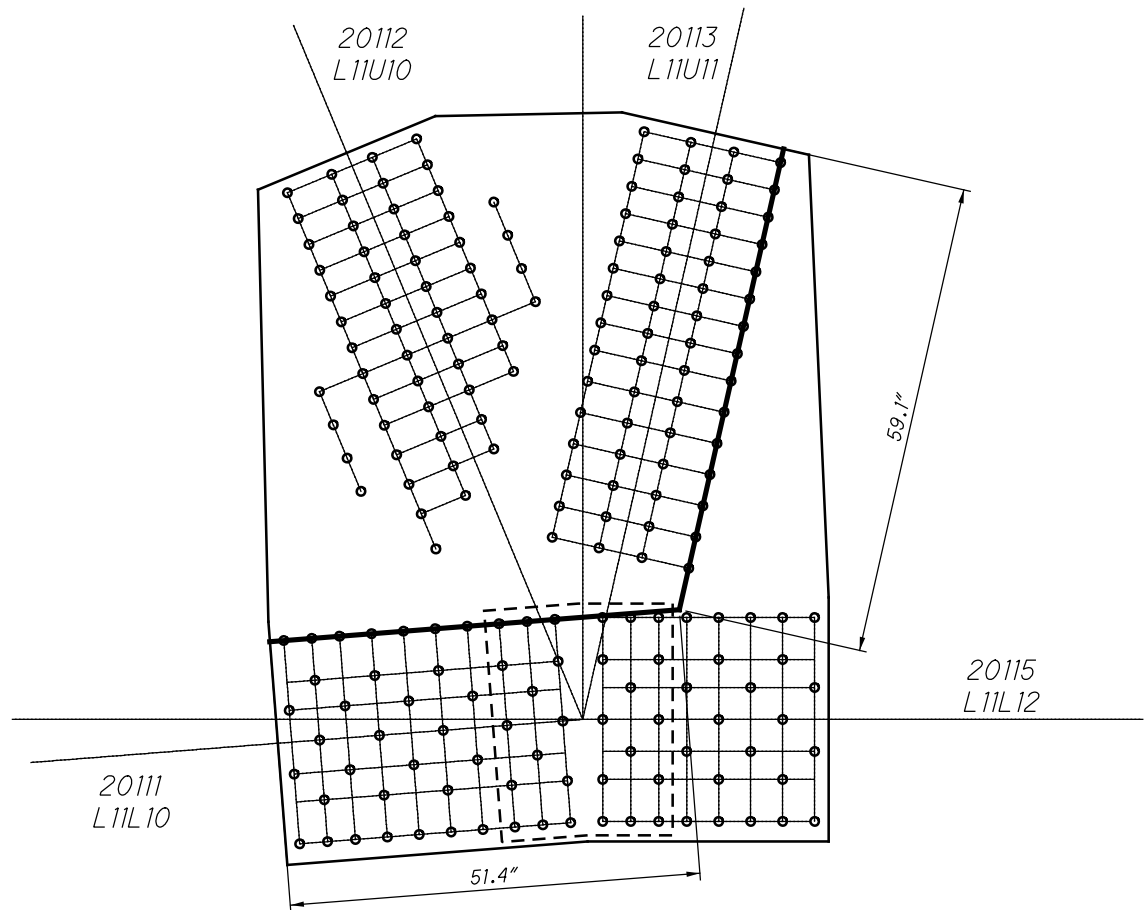


**L11 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

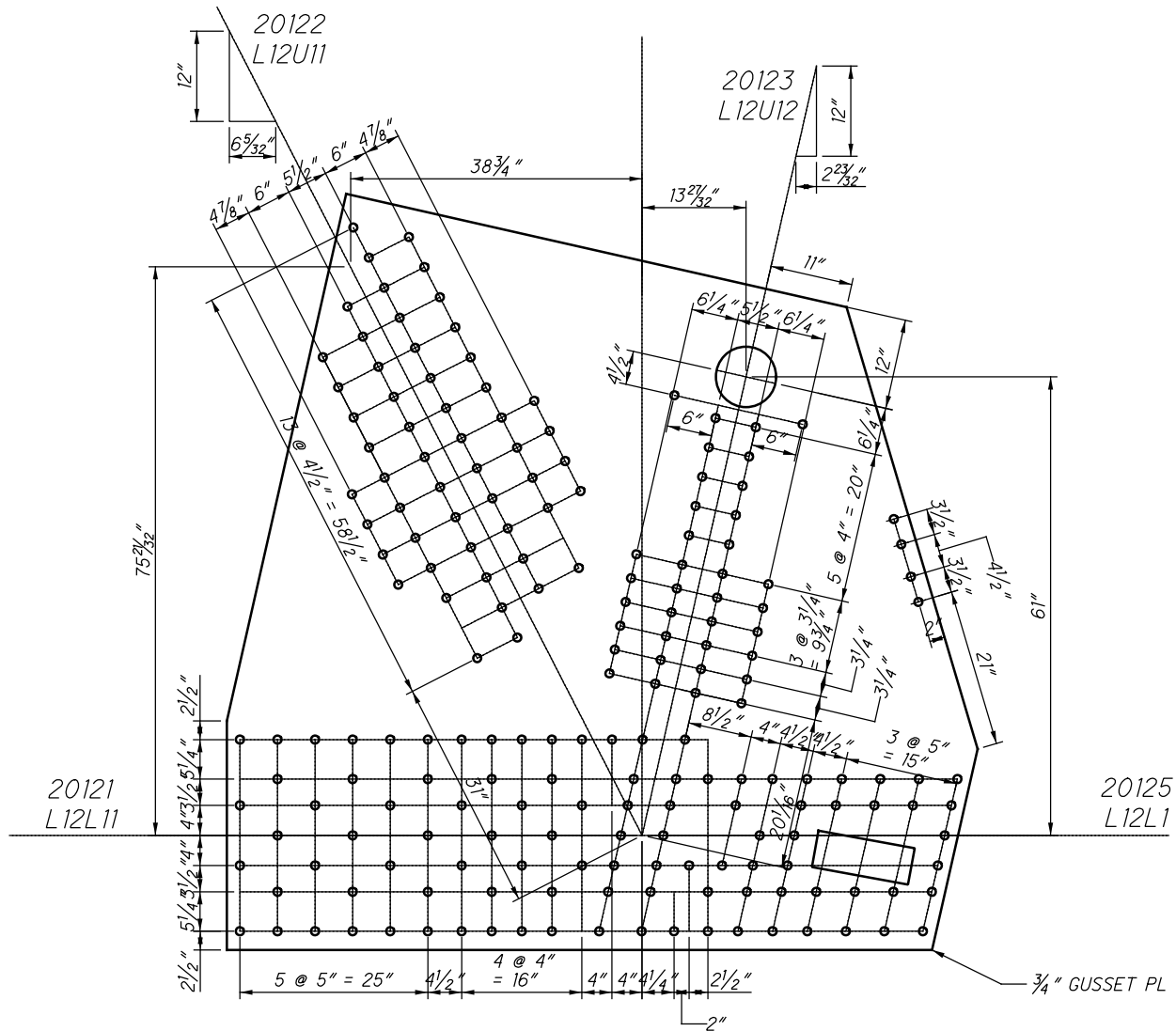


**L11 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

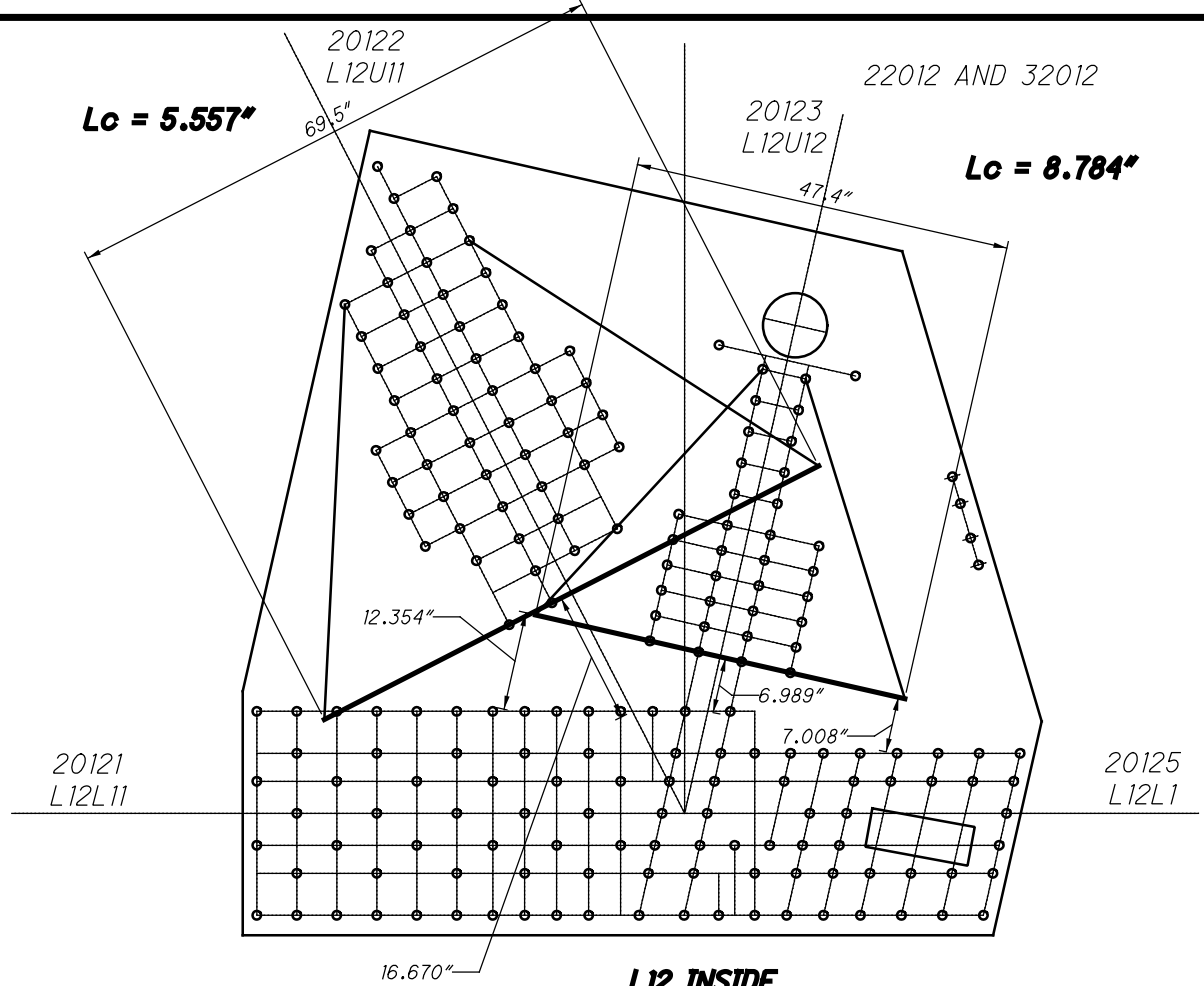




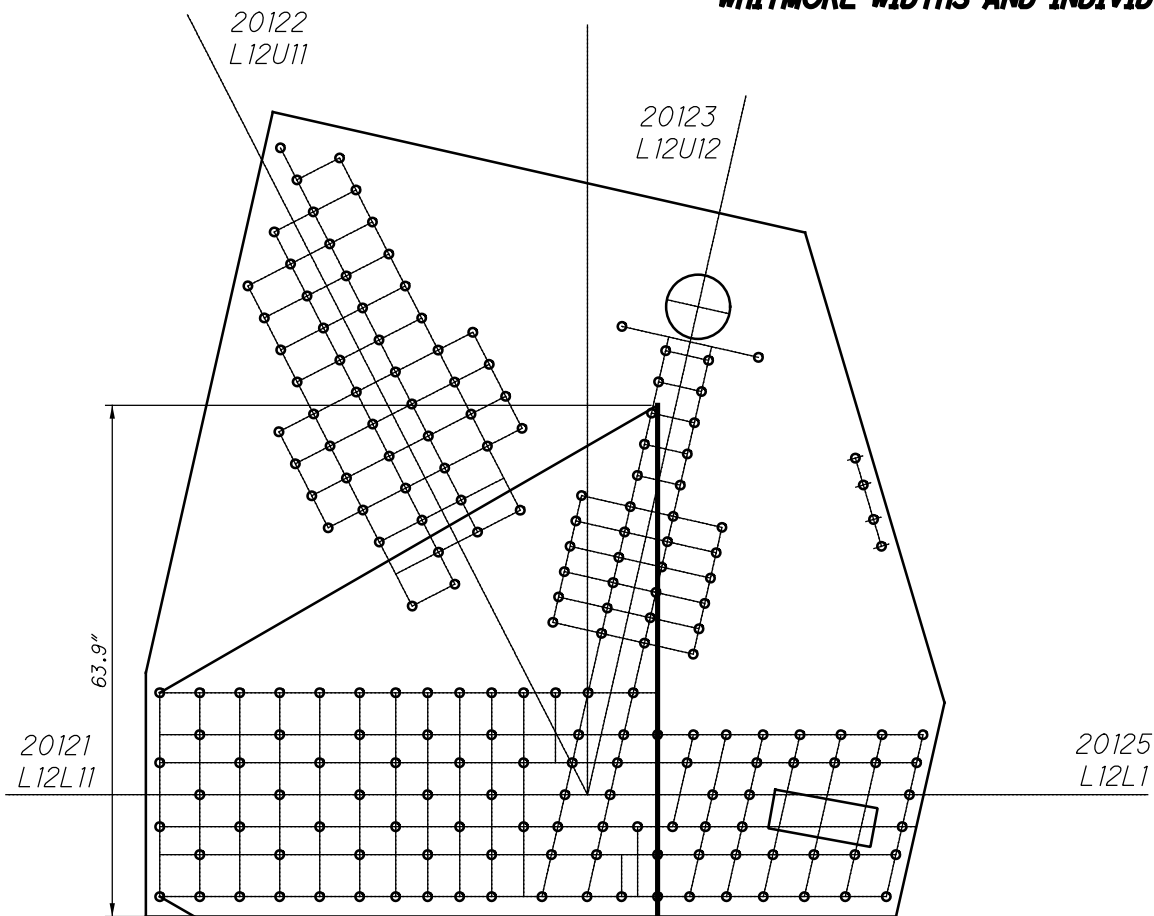
**L11 INSIDE
QUADRANT DIMENSIONS**



**L12 INSIDE (SPAN 6)
(NEAR AND FAR SIDE)**



**L12 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



$L_c = 0.000"$

**L12 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

22012 AND 32012

46 RIVETS
x 2 PLATES
=92 RIVETS

20123
L12U12

36 RIVETS
x 2 PLATES
=72 RIVETS

68 RIVETS
x 2 PLATES
=136 RIVETS

20121
L12L11

20125
L12L1

**L12 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

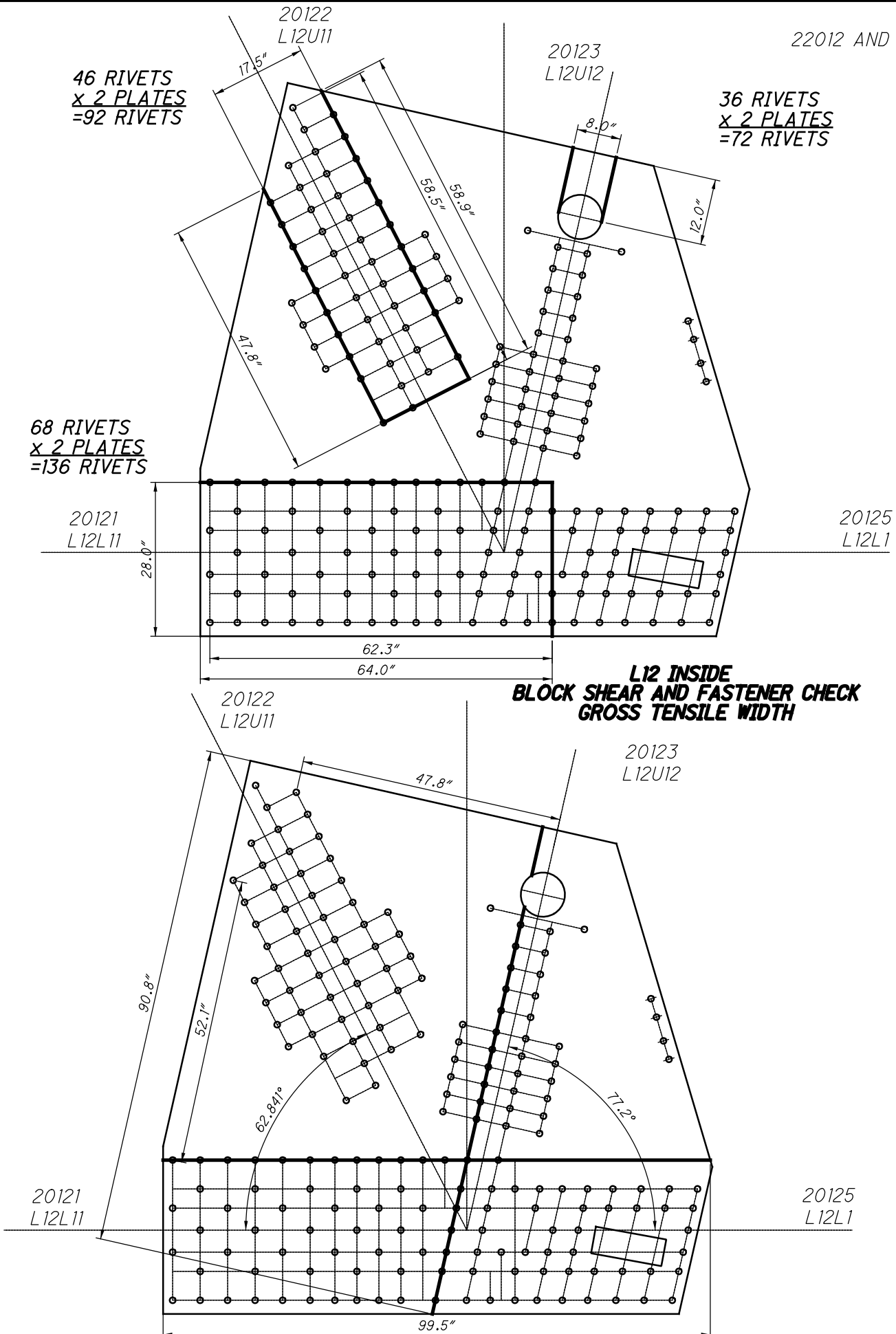
20122
L12U11

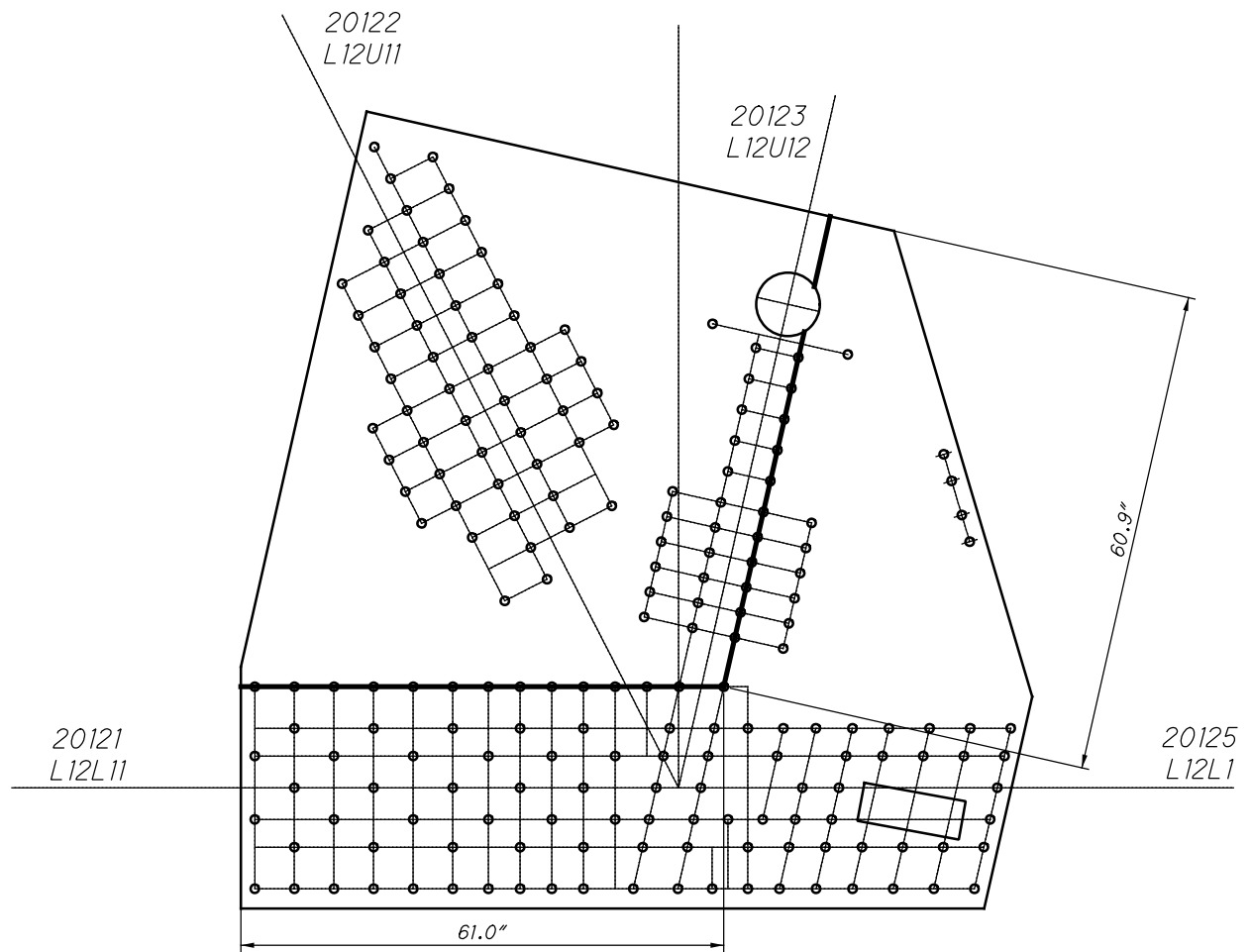
20123
L12U12

20121
L12L11

20125
L12L1

**L12 INSIDE
SHEAR AND FREE EDGE CHECK**





**L12 INSIDE
QUADRANT DIMENSIONS**

**OLD SPAN 12 GUSSET PLATES
LORAIN CARNEGIE**

**SPAN 7 GUSSET PLATES
LORAIN CARNEGIE**

CHECKED: JLV

DATE: 7-13-11

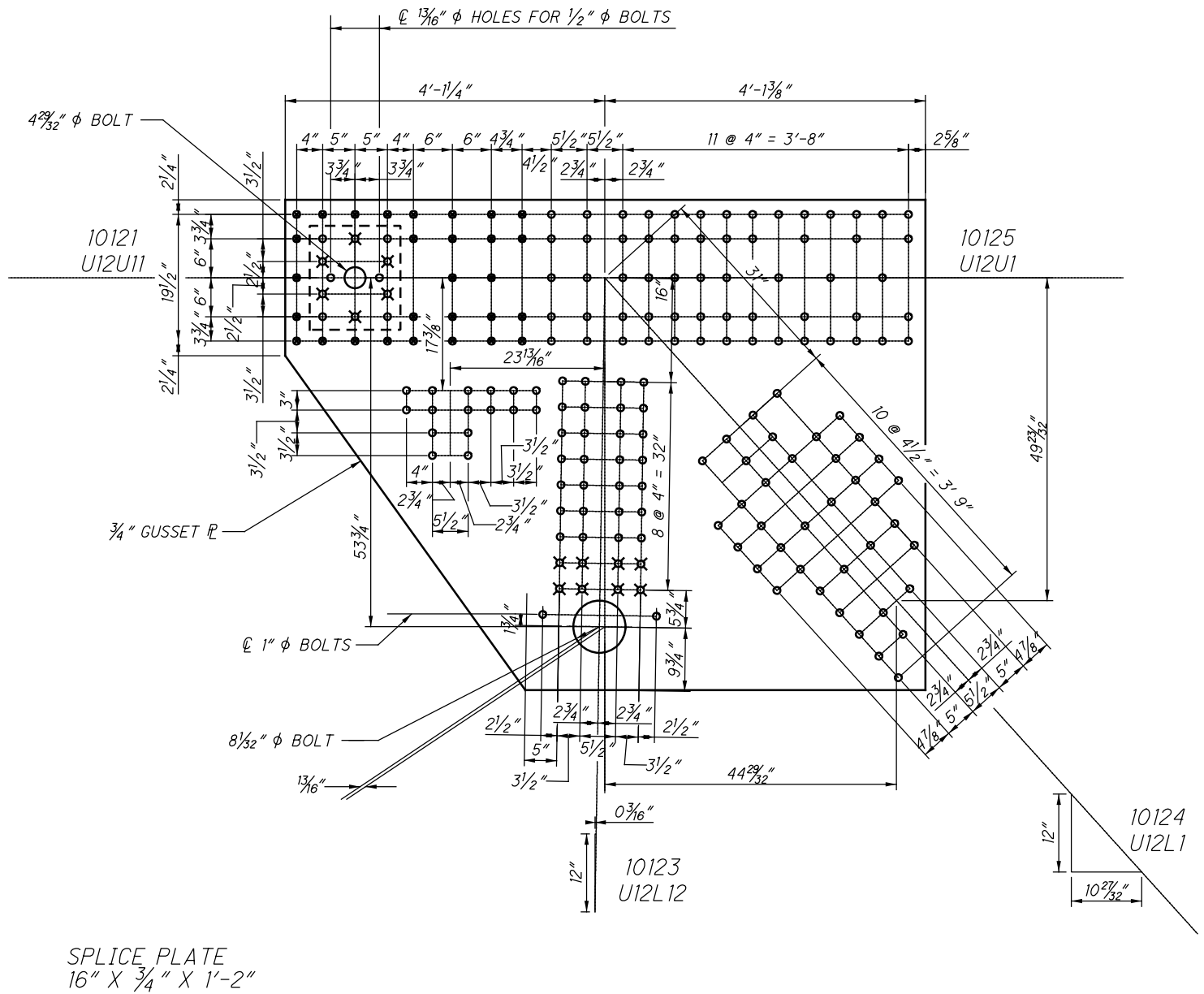
LEGEND

- 1 $\frac{1}{16}$ " HOLES TYPICAL
- ⌘ 1 $\frac{1}{16}$ " COUNTERSUNK RIVET

NOTES:

ALL EDGE DISTANCES ARE 1 $\frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

ALL GUSSET PLATES ARE COPPER
BEARING SILICON STEEL

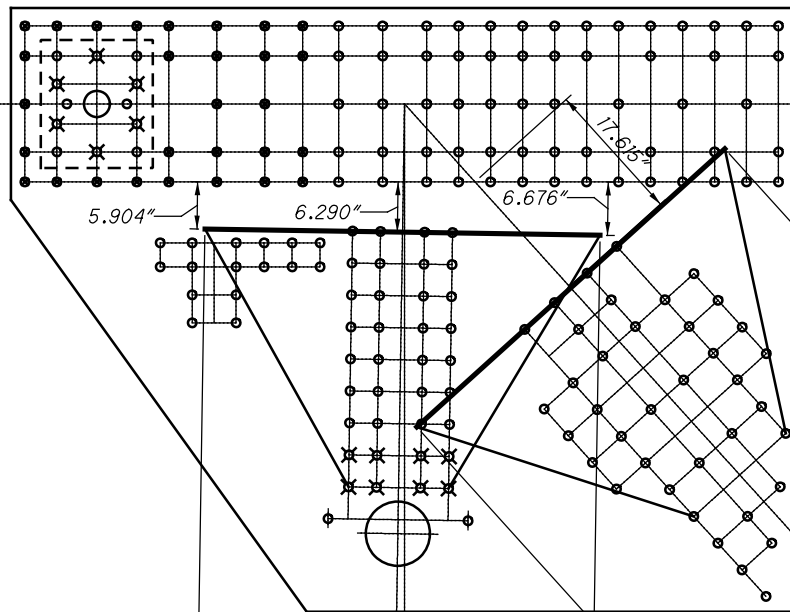


**U12 OUTSIDE (SPAN 7)
(NEAR AND FAR SIDE)**

11012 AND 41012

10121
U12U11

10125
U12U1



$L_c = 6.290"$

$L_c = 5.872"$

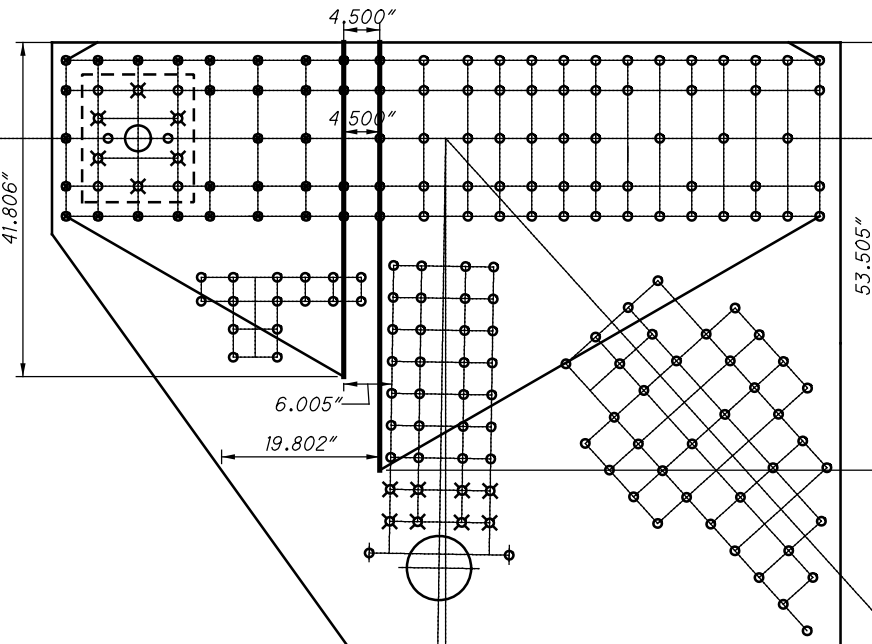
10123
U12L12

10124
U12L1

**U12 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10121
U12U11

10125
U12U1



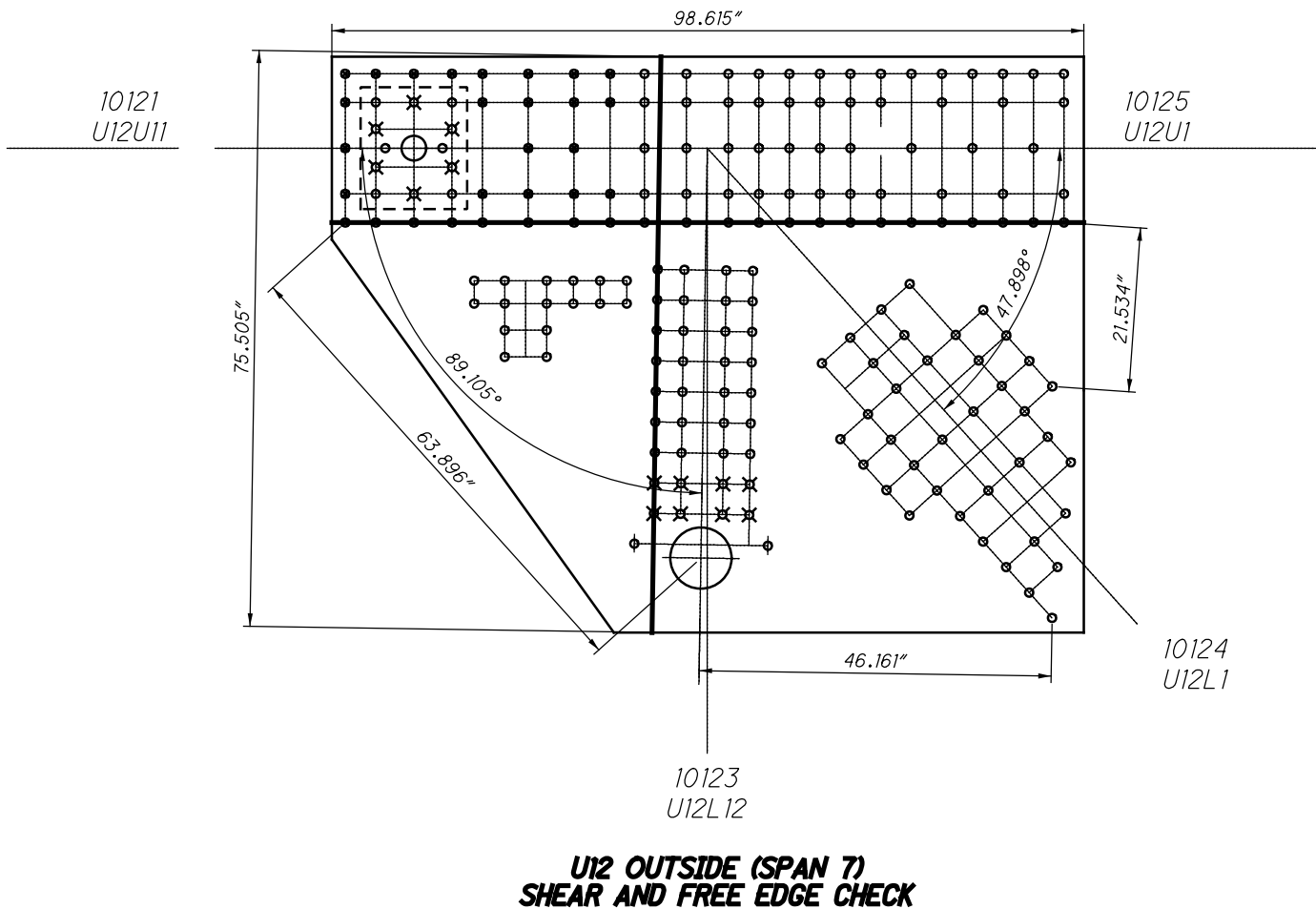
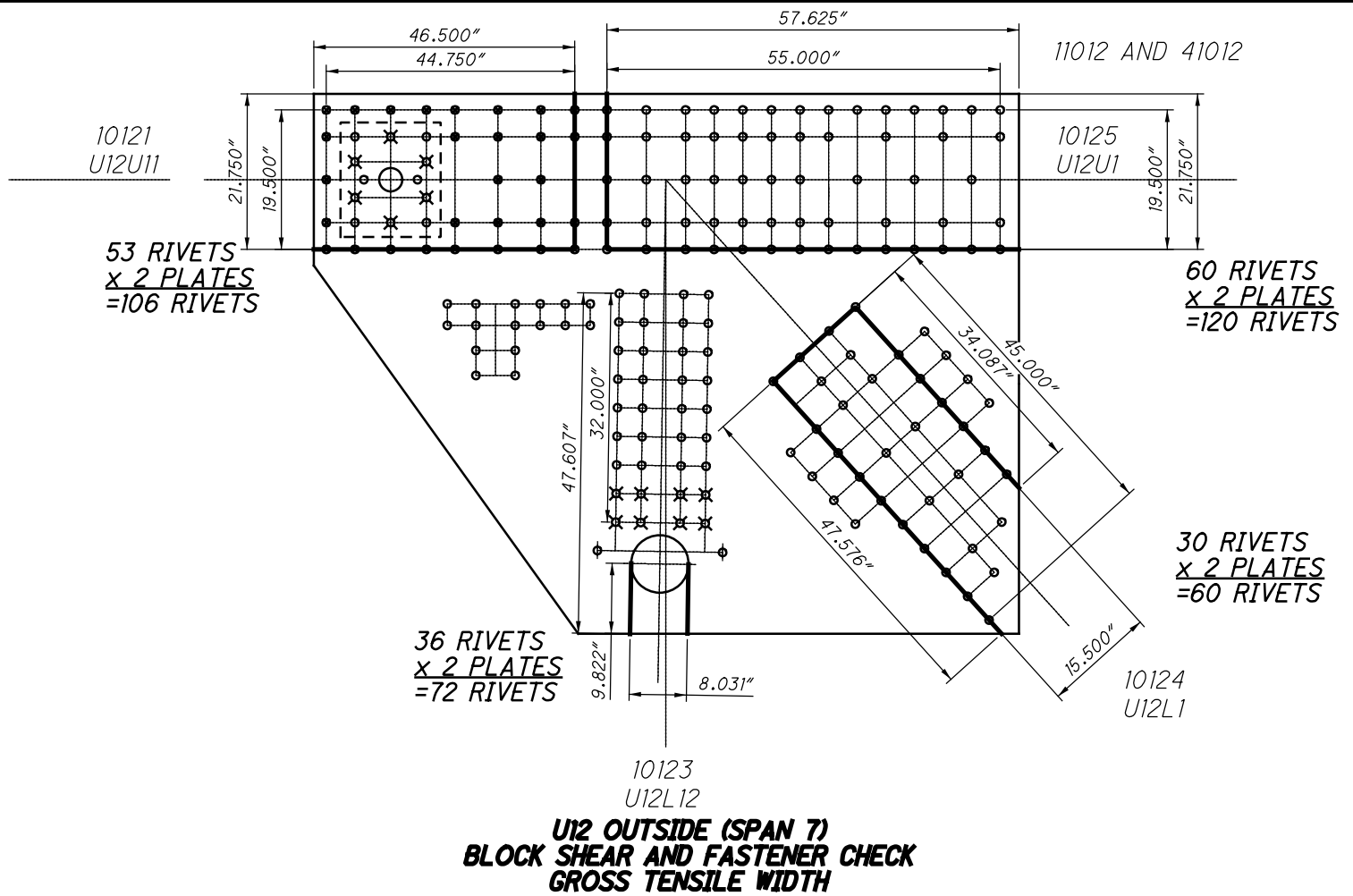
$L_c = 5.002"$

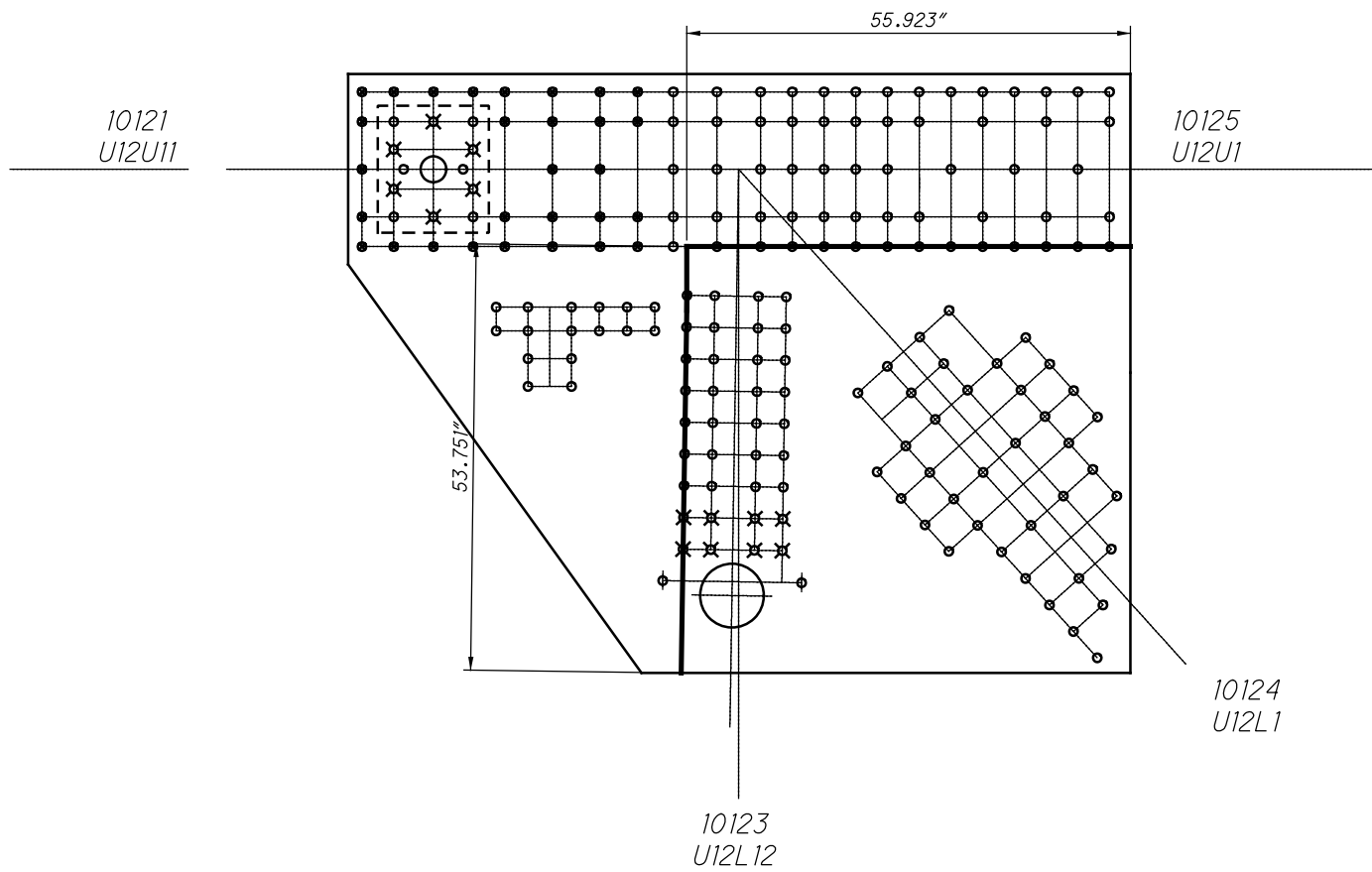
$L_c = 9.601"$

10123
U12L12

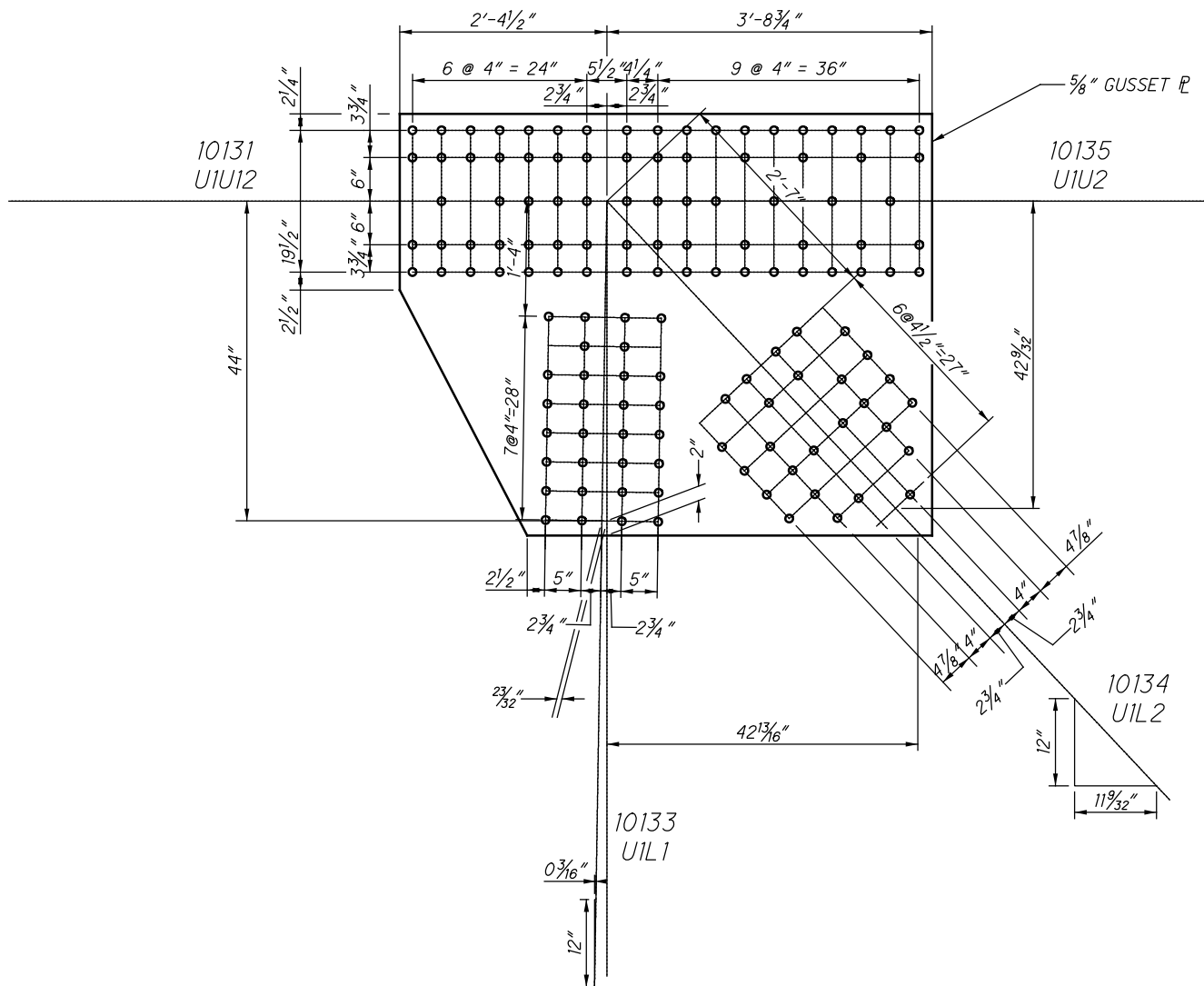
10124
U12L1

**U12 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

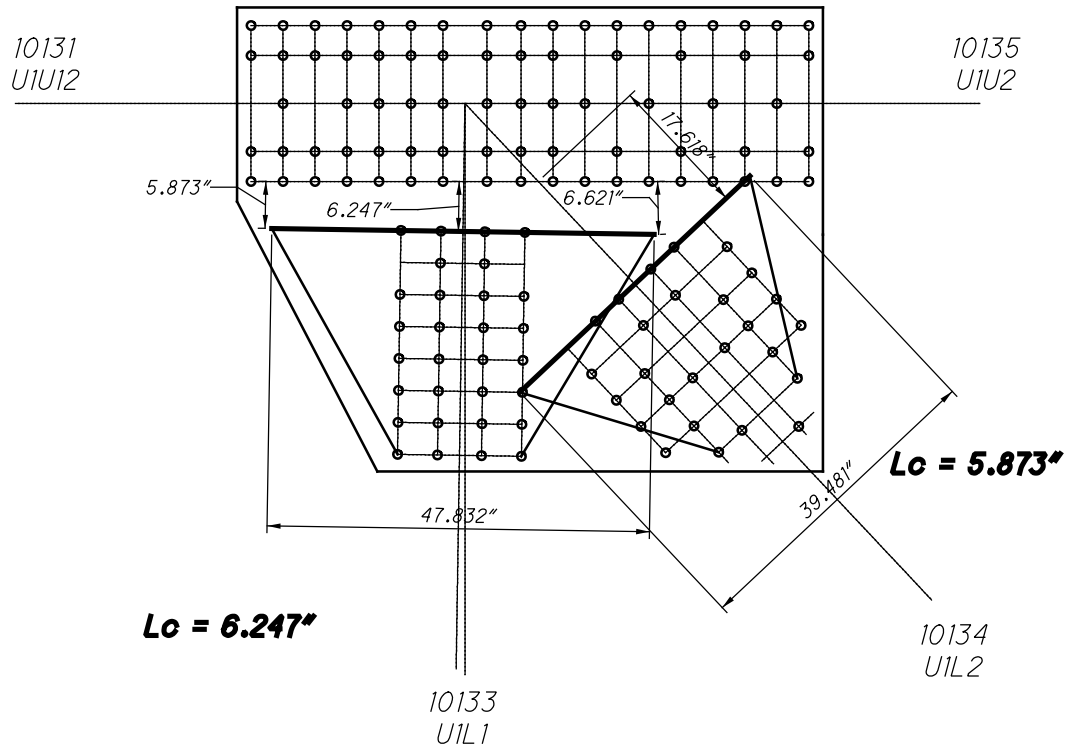




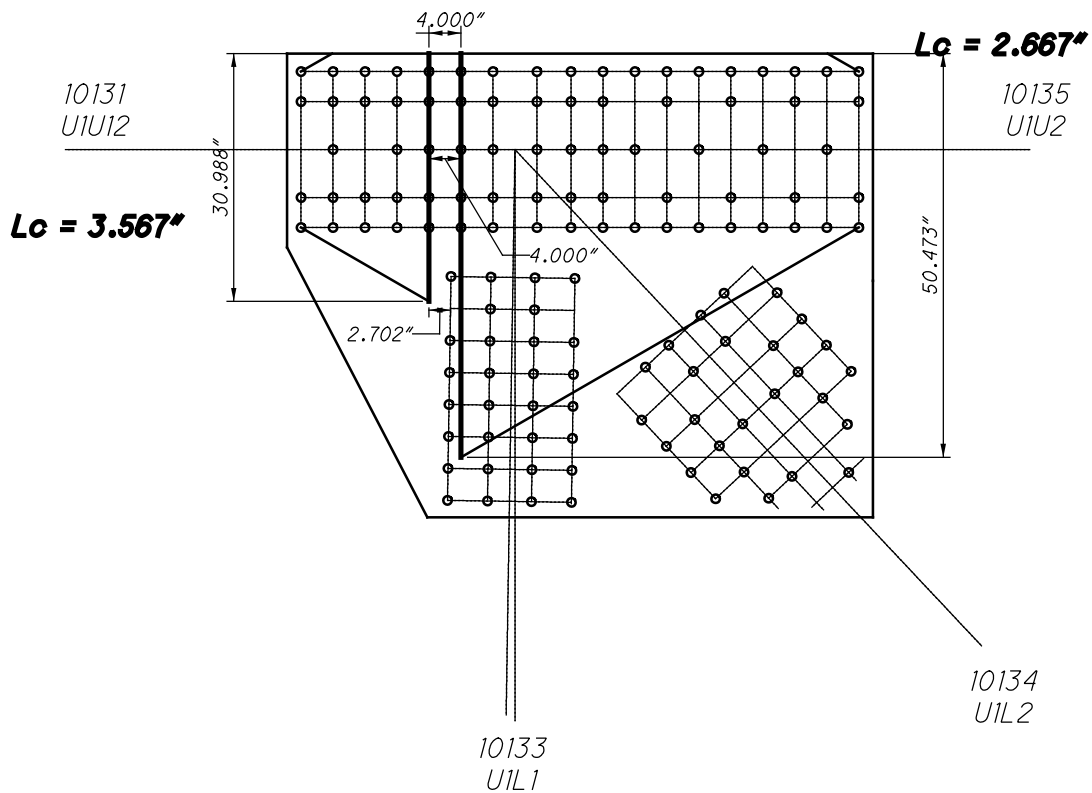
**U12 OUTSIDE (SPAN 7)
QUADRANT DIMENSIONS**



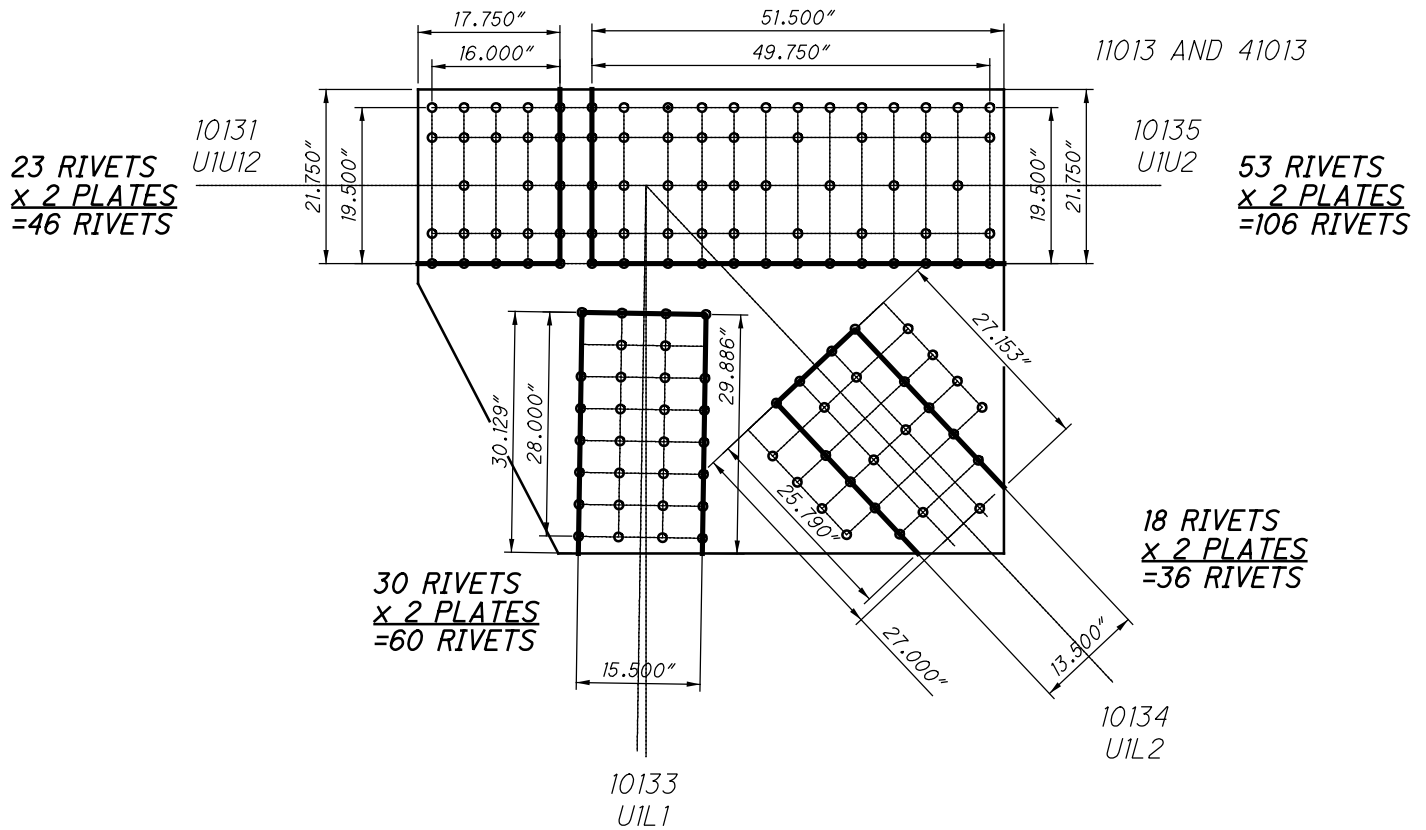
11013 AND 41013



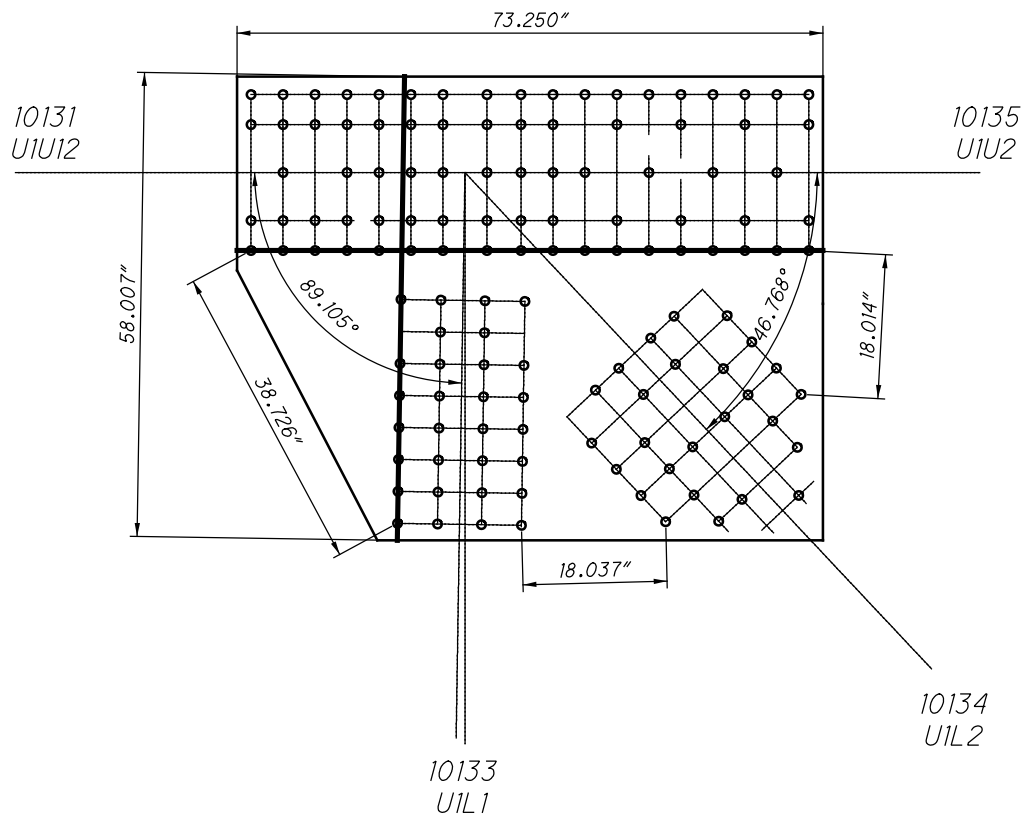
**U13 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



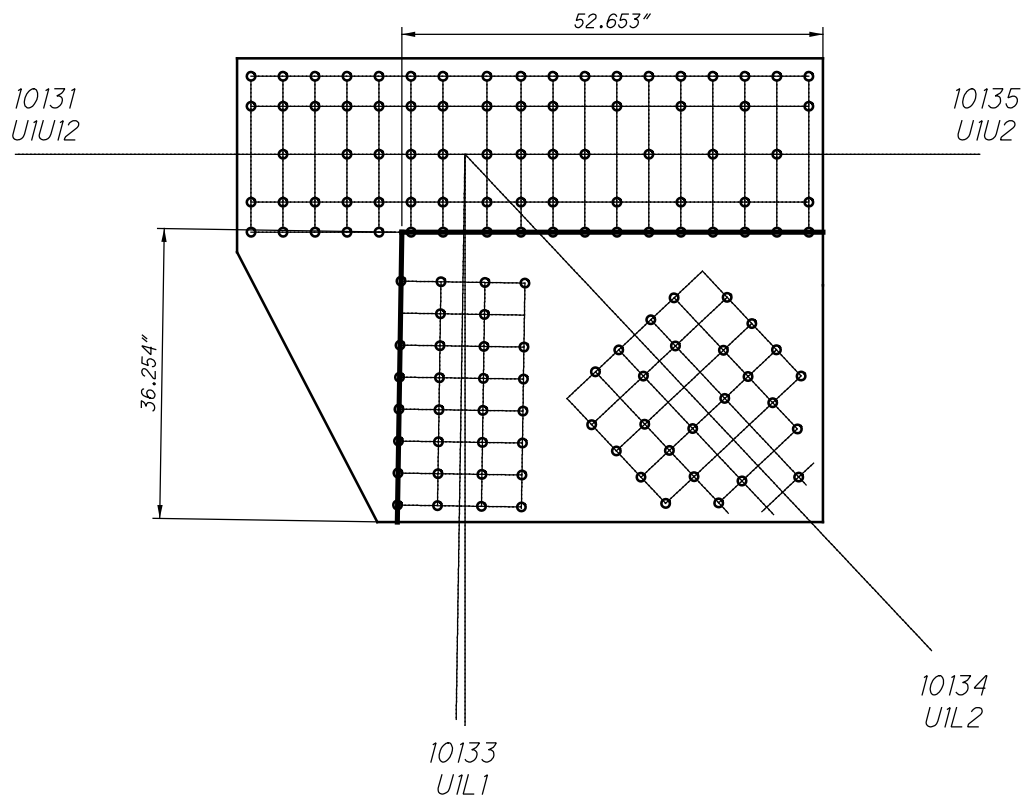
**U13 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U13 OUTSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

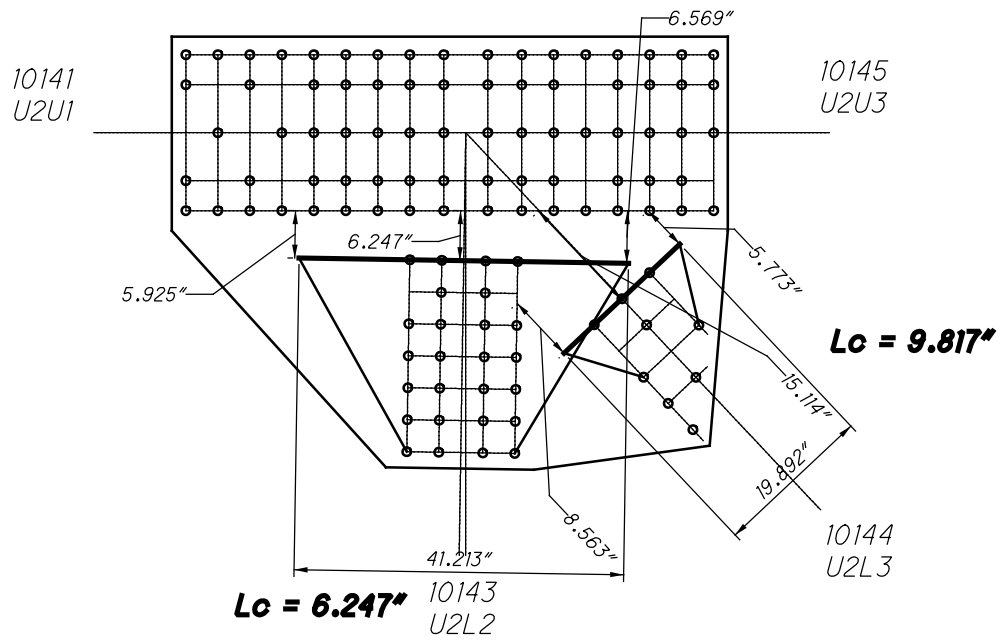


**U13 OUTSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**

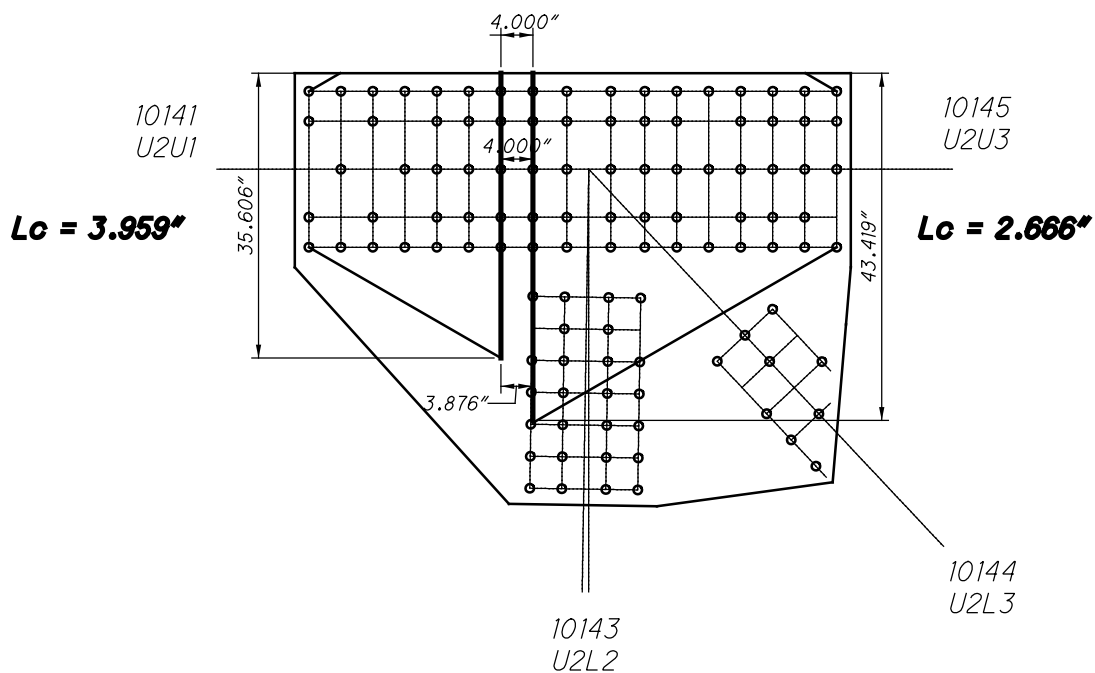


**U13 OUTSIDE (SPAN 7)
QUADRANT DIMENSIONS**

**U14 OUTSIDE (SPAN 7)
(INSIDE SAME)
(NEAR AND FAR SIDE)**



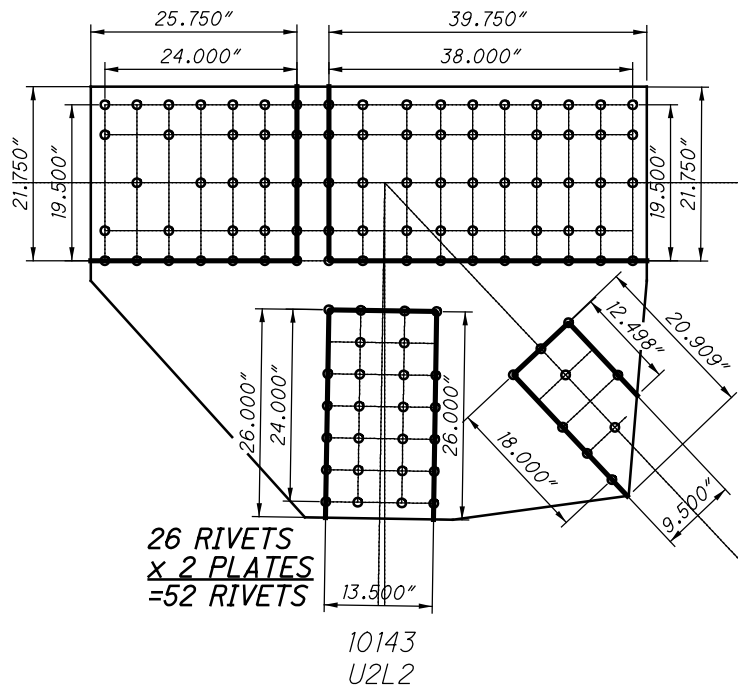
**U14 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U14 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

29 RIVETS
x 2 PLATES
=58 RIVETS

10141
U2U1



11014 AND 41014

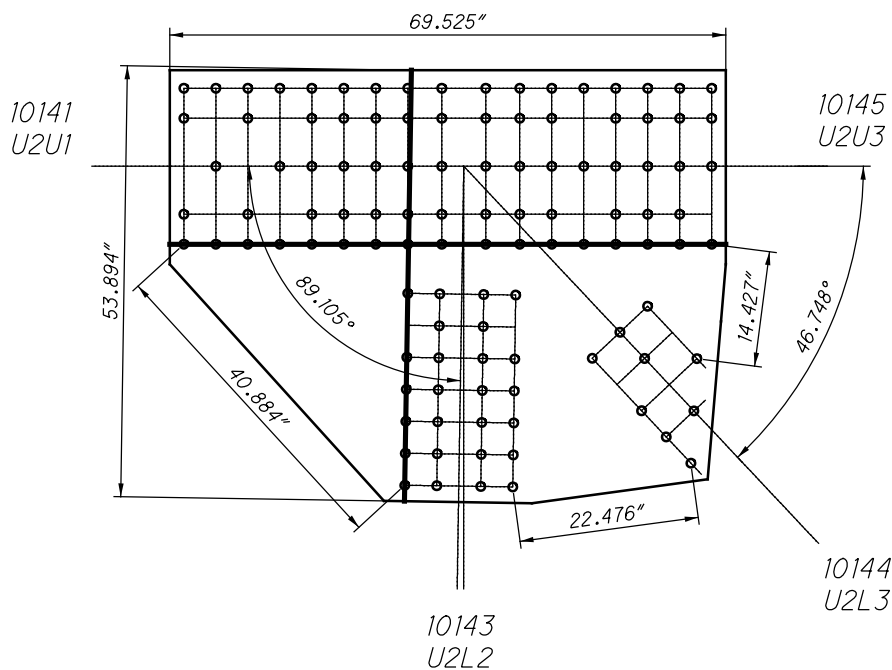
10145
U2U3

47 RIVETS
x 2 PLATES
=94 RIVETS

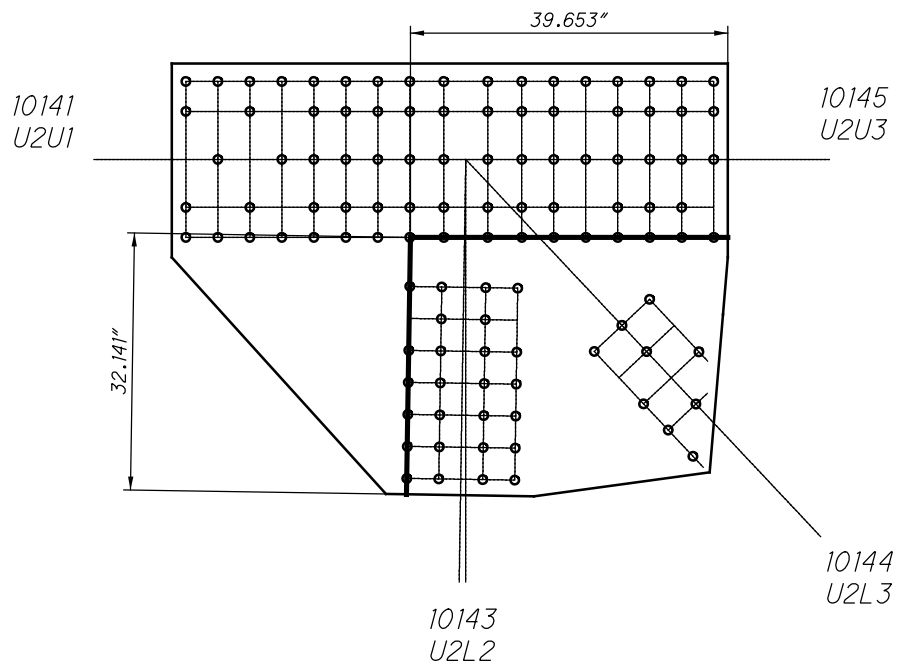
9 RIVETS
x 2 PLATES
=18 RIVETS

10144
U2L3

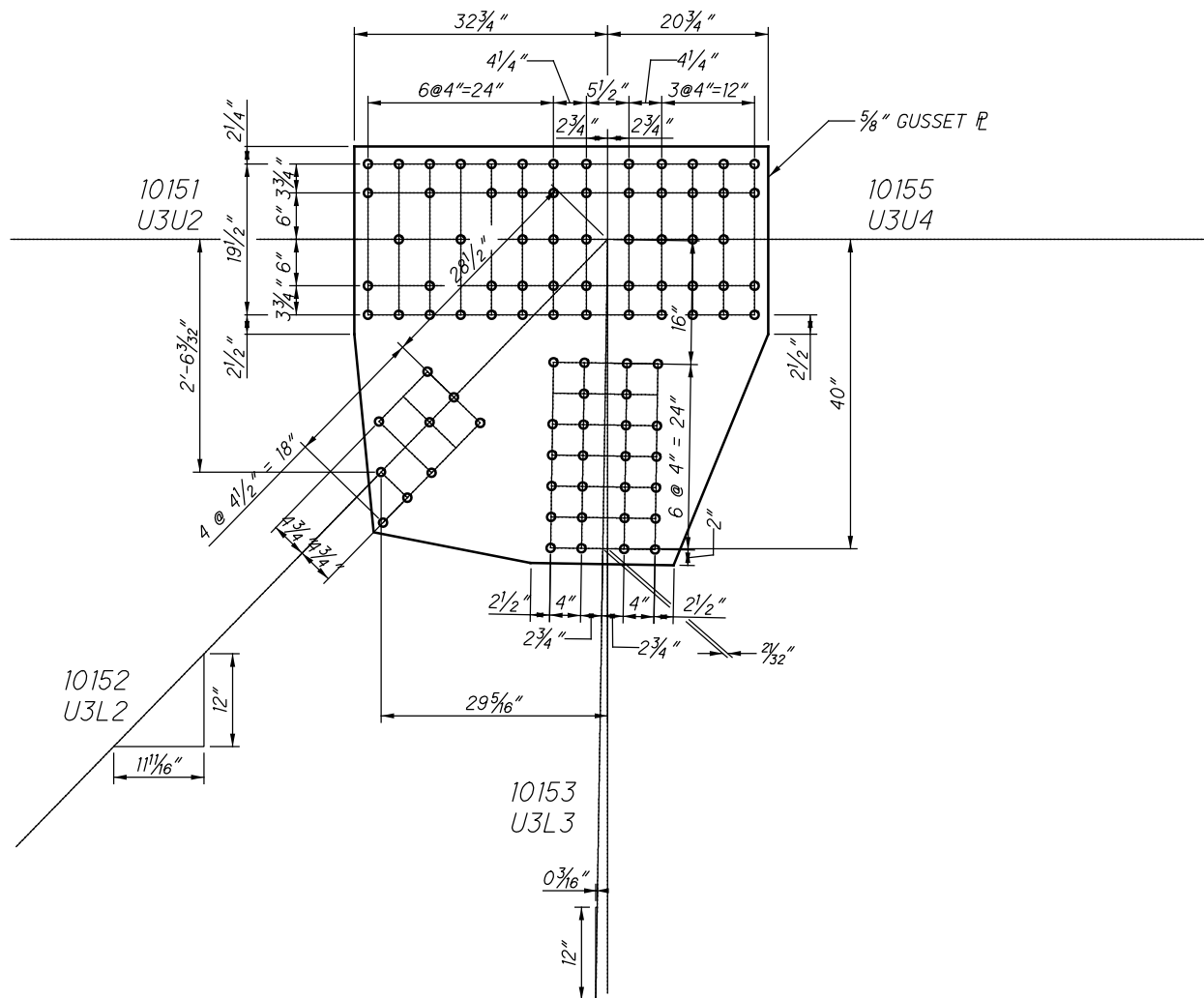
**U14 OUTSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



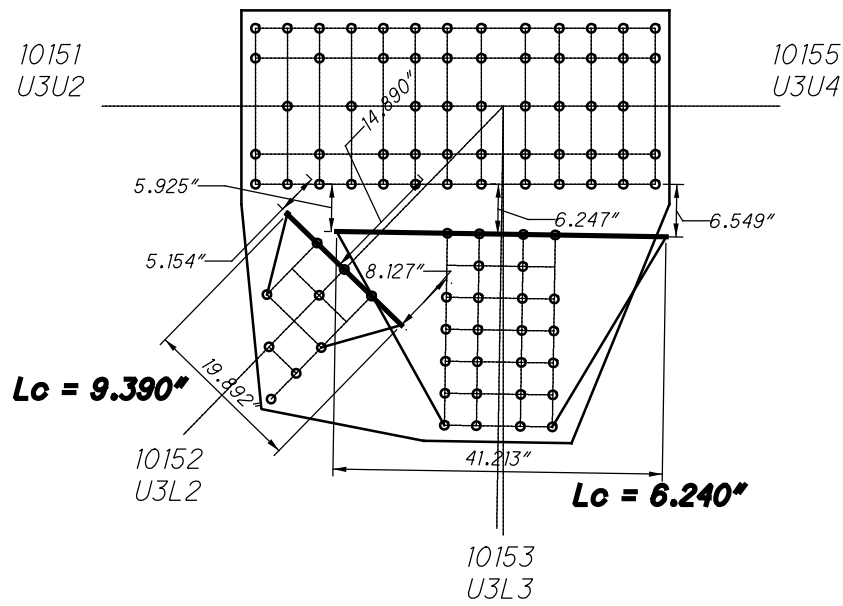
**U14 OUTSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



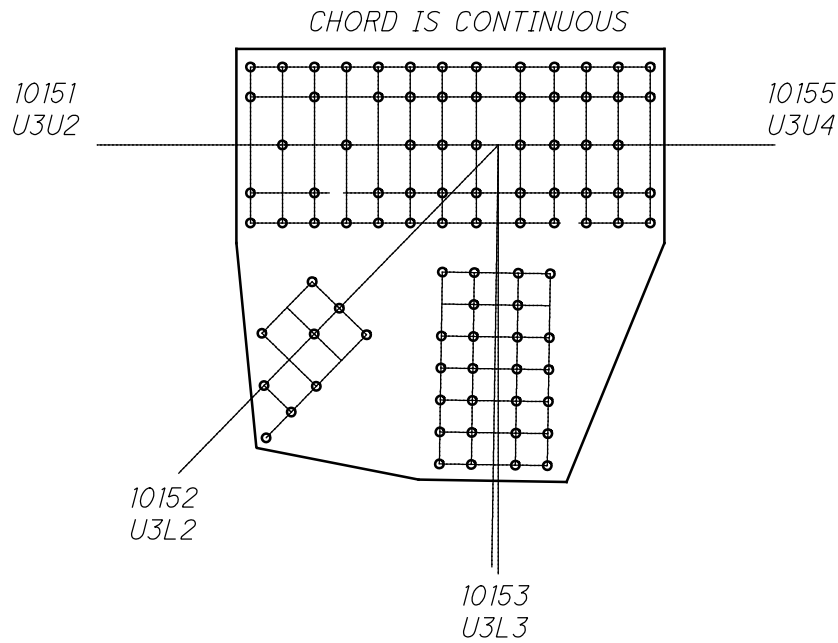
**U14 OUTSIDE (SPAN 7)
QUADRANT DIMENSIONS**



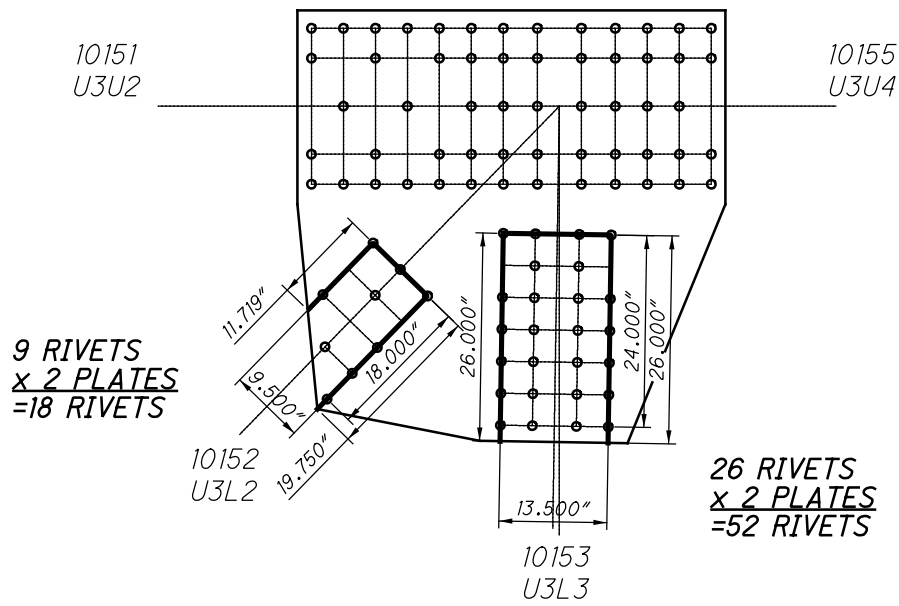
**U15 OUTSIDE (SPAN 7)
(INSIDE SAME)
(NEAR AND FAR SIDE)**



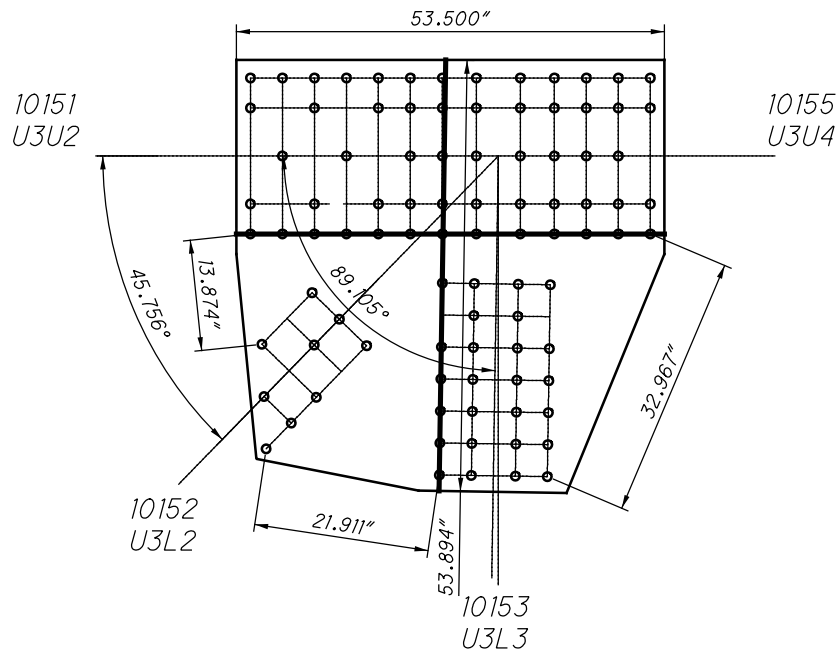
**U15 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



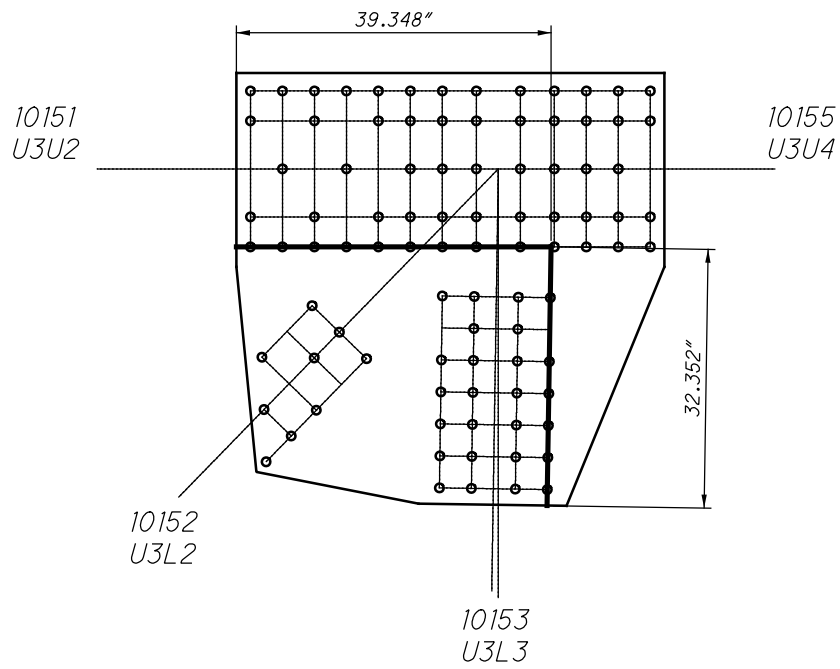
**U15 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U15 OUTSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

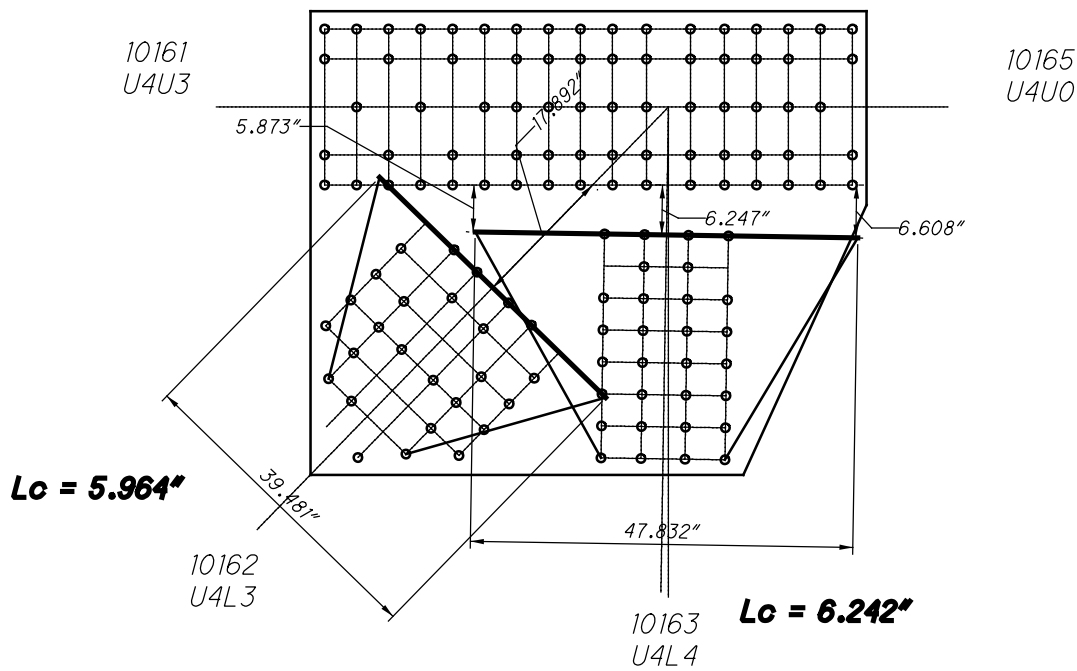


**U15 OUTSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**

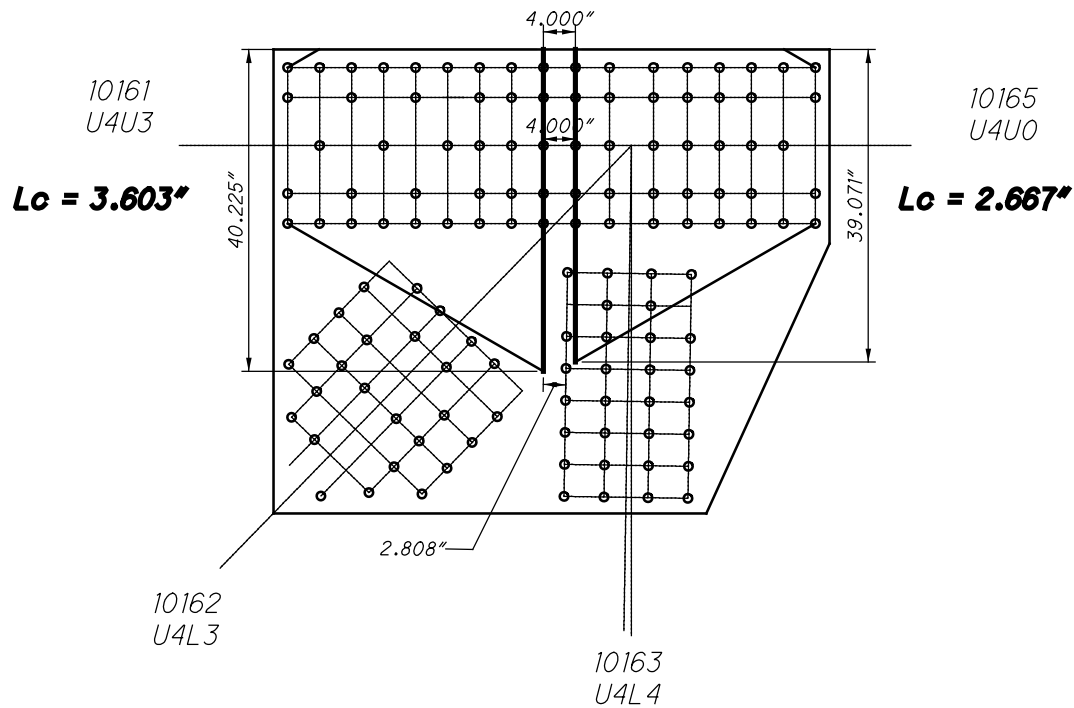


**U15 OUTSIDE (SPAN 7)
QUADRANT DIMENSIONS**

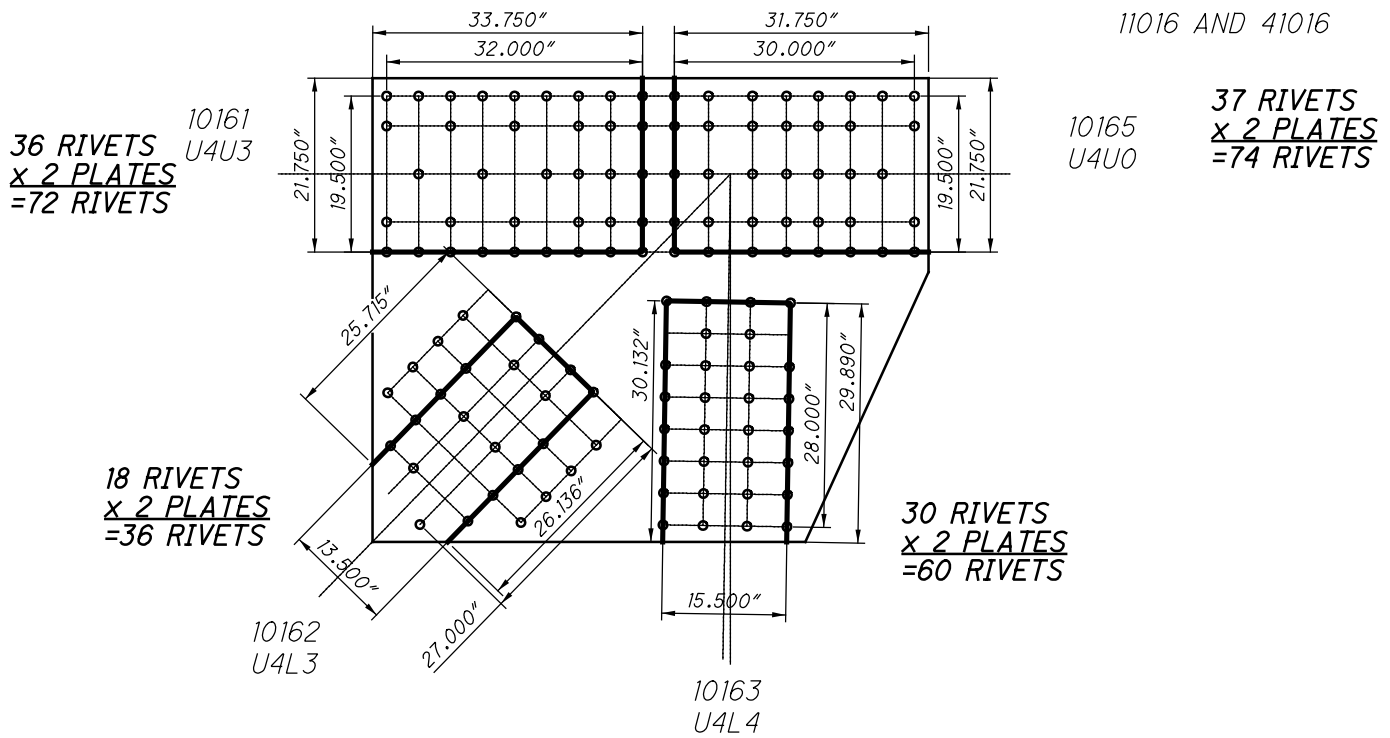
**U16 OUTSIDE (SPAN 7)
(NEAR AND FAR SIDE)**



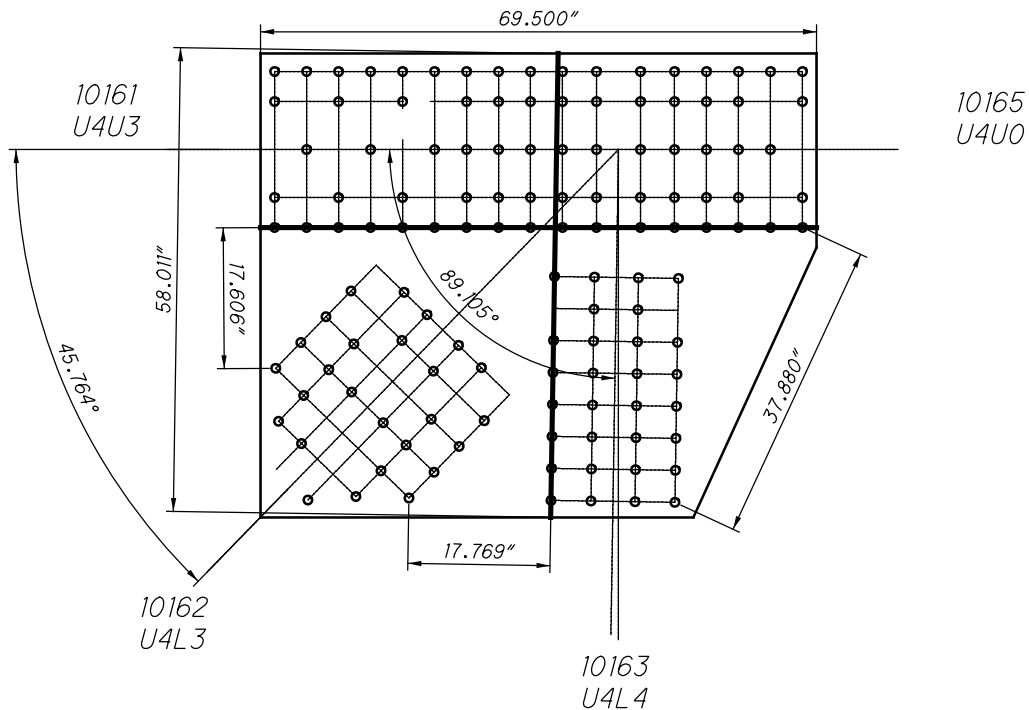
**U16 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



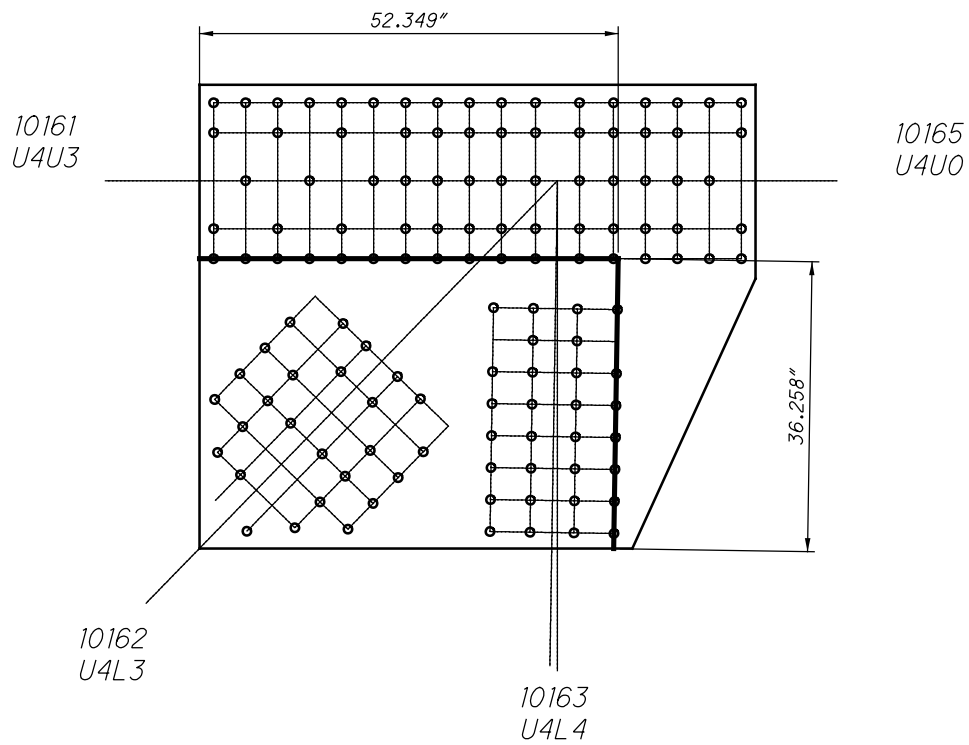
**U16 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



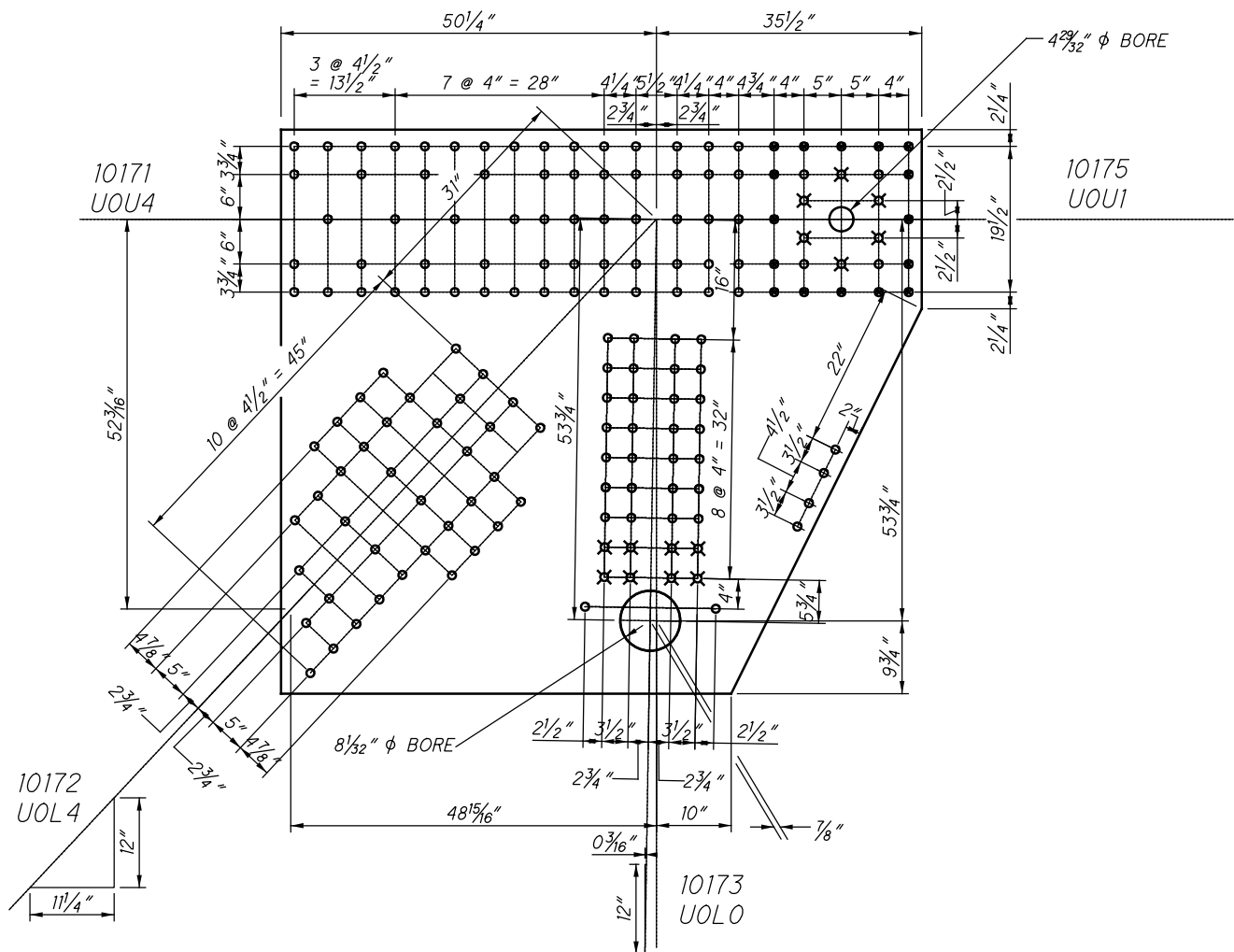
**U16 OUTSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



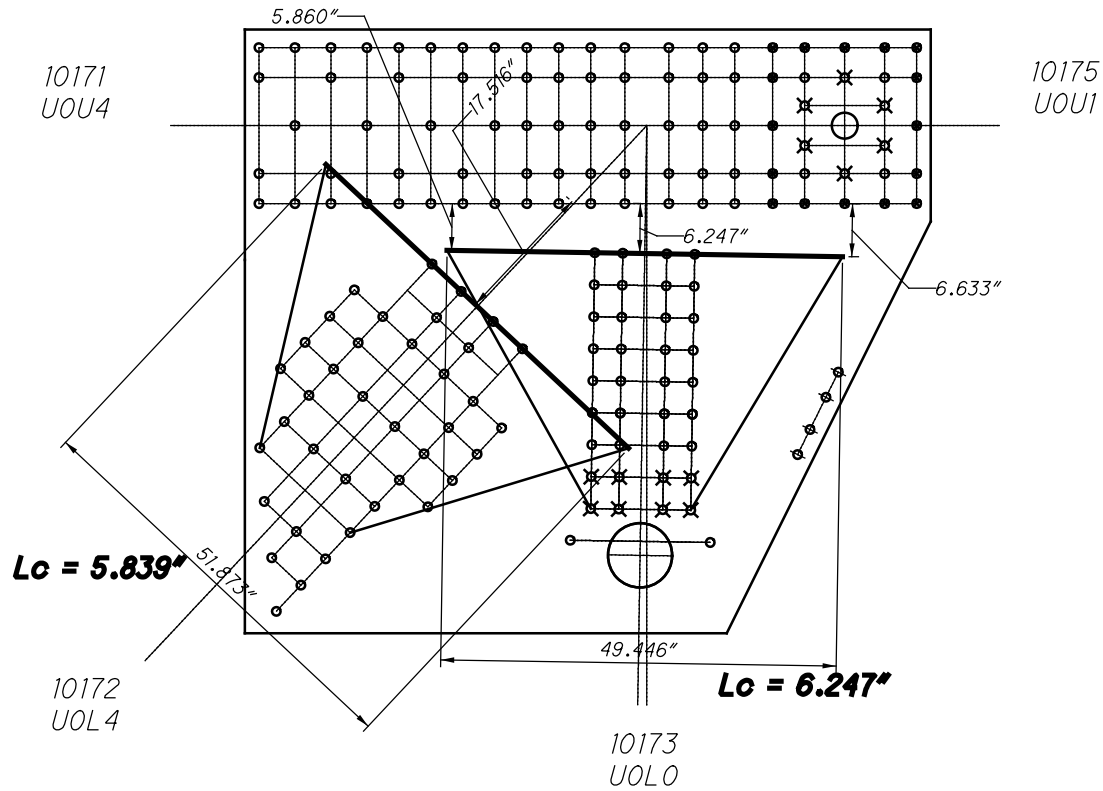
**U16 OUTSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



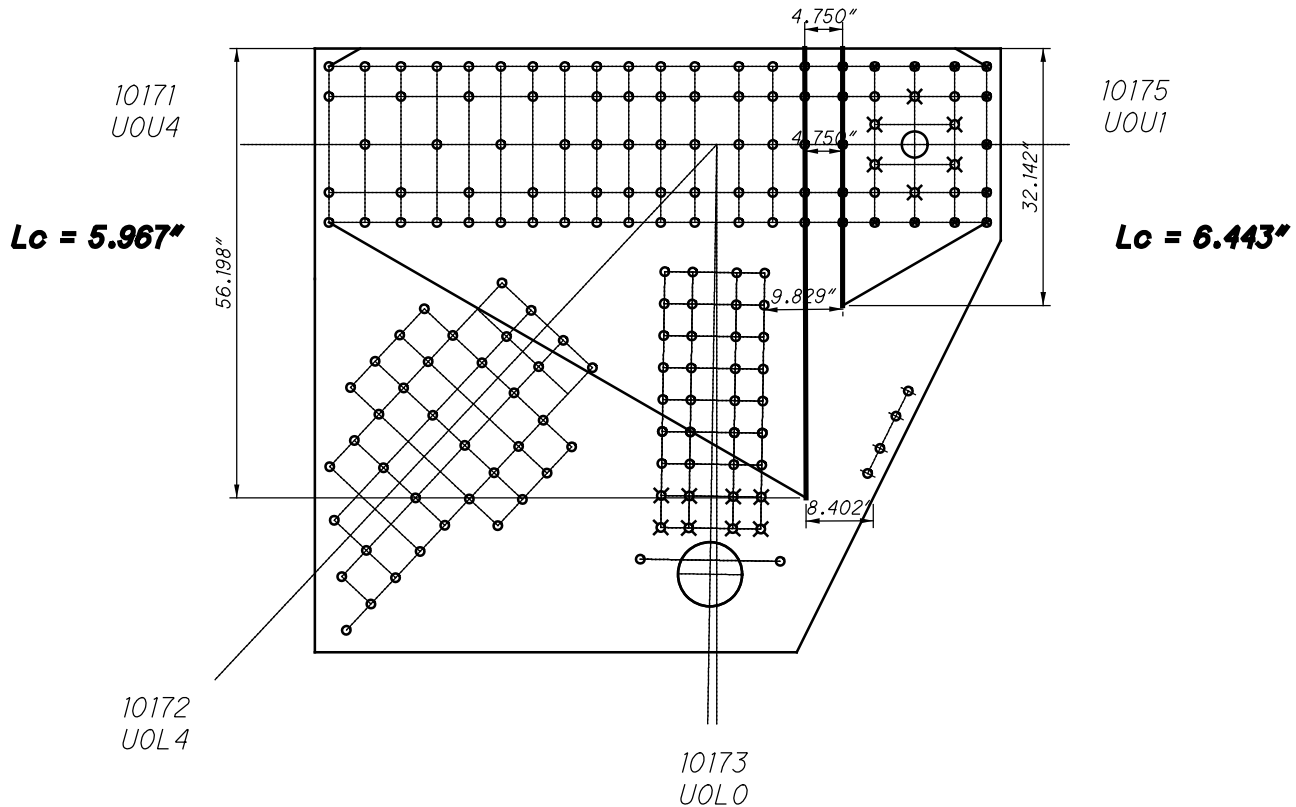
**U16 OUTSIDE (SPAN 7)
QUADRANT DIMENSIONS**



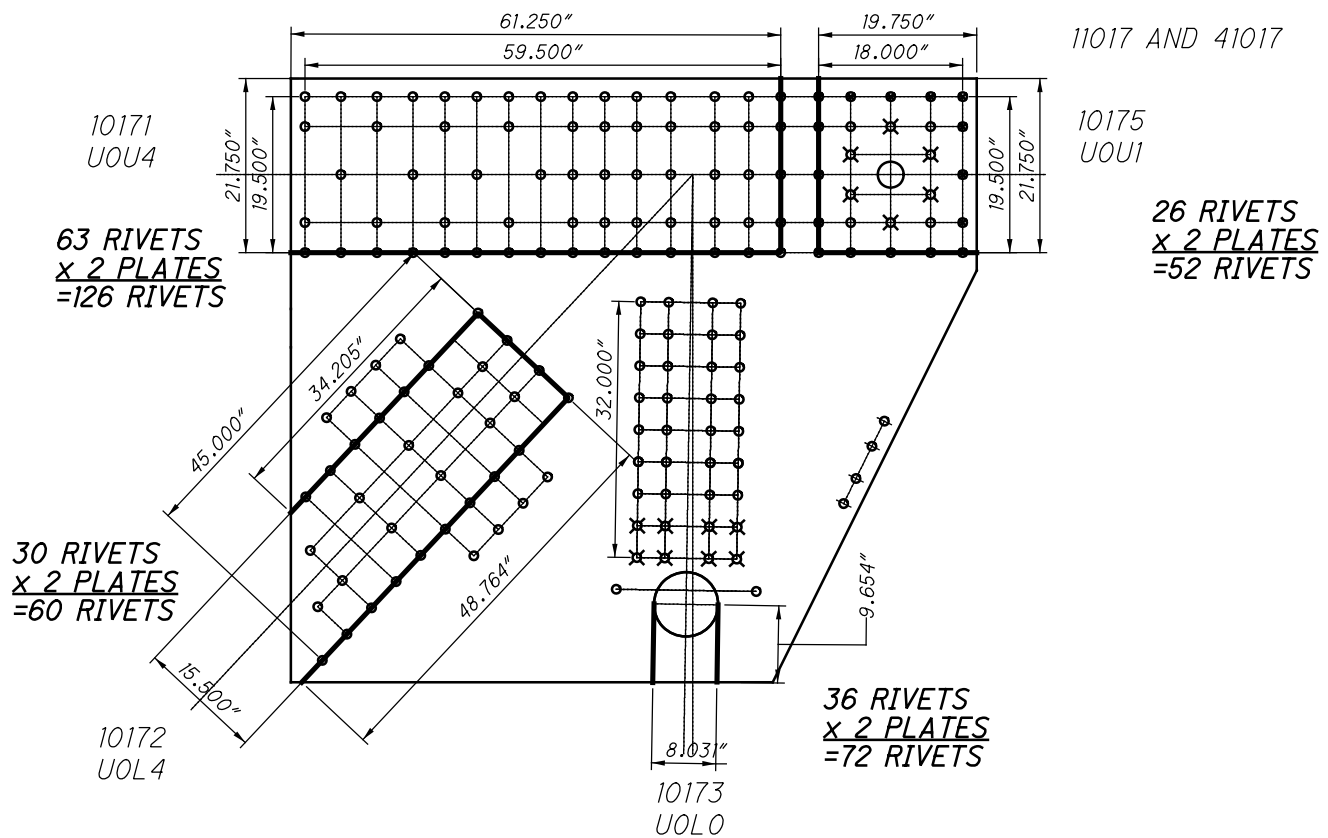
11017 AND 41017



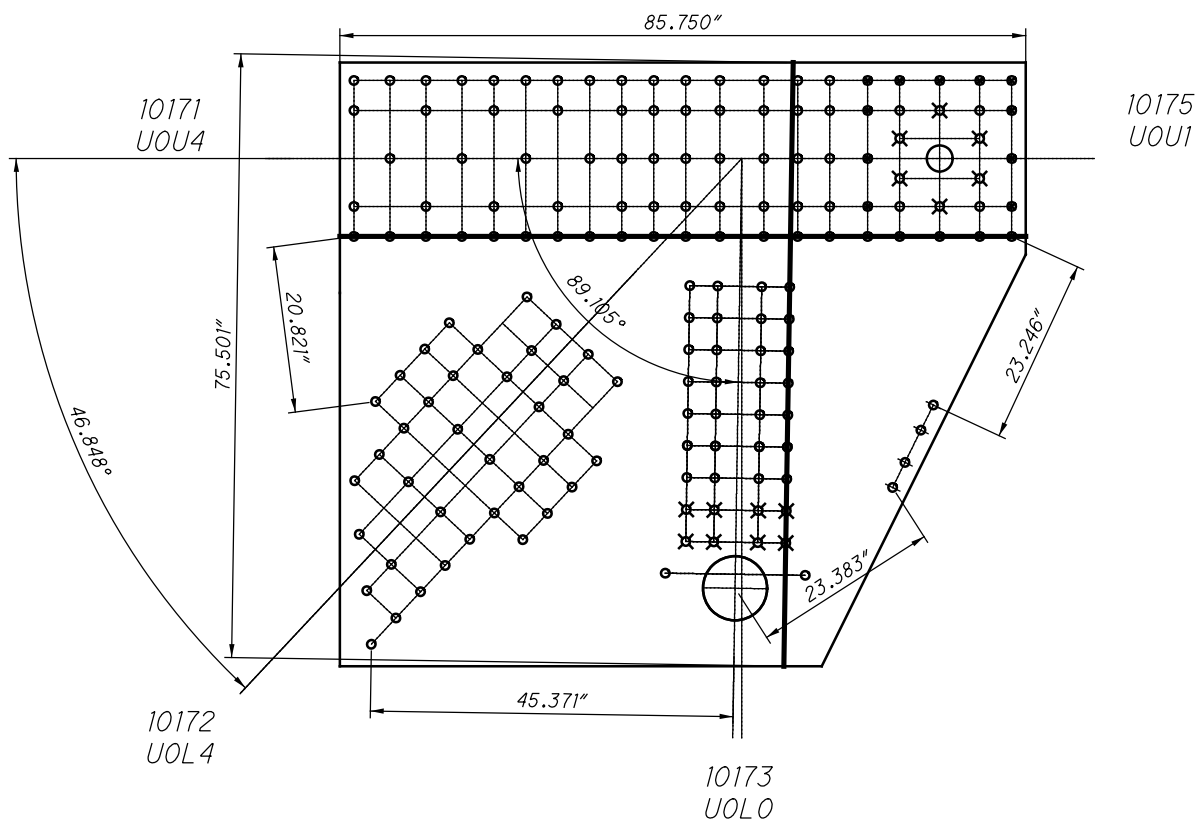
**U17 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



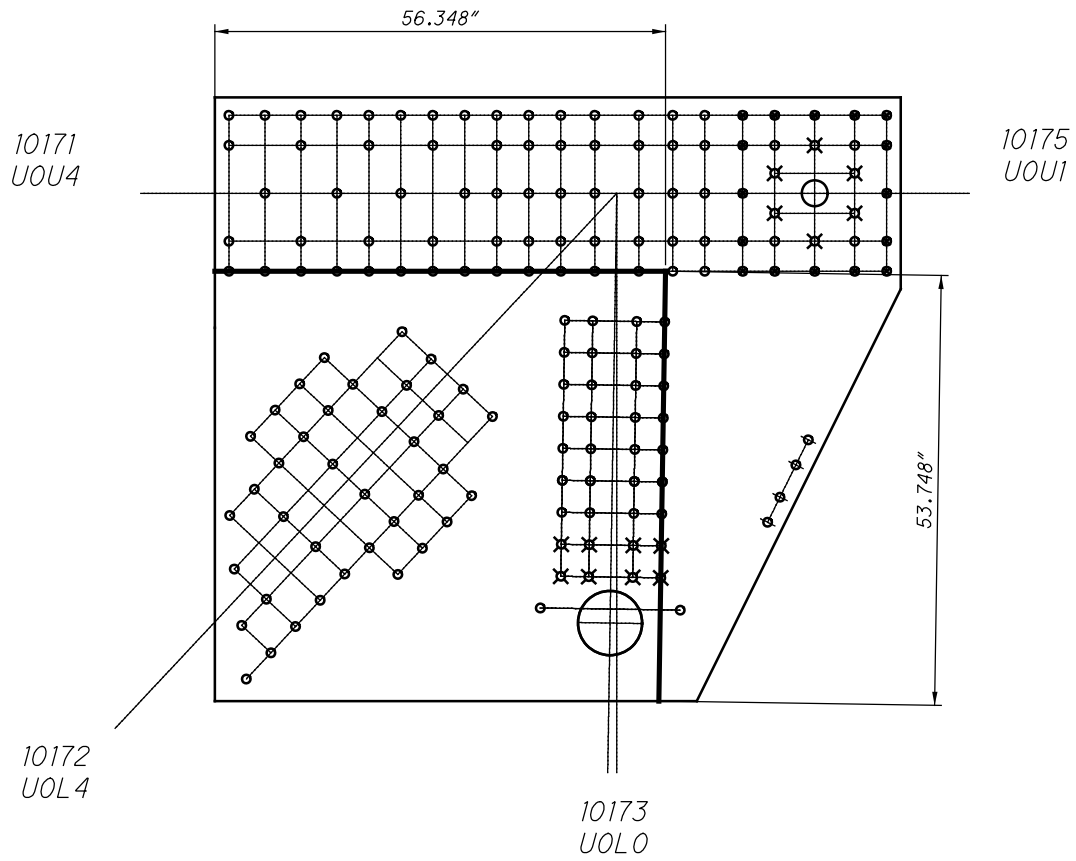
**U17 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U17 OUTSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



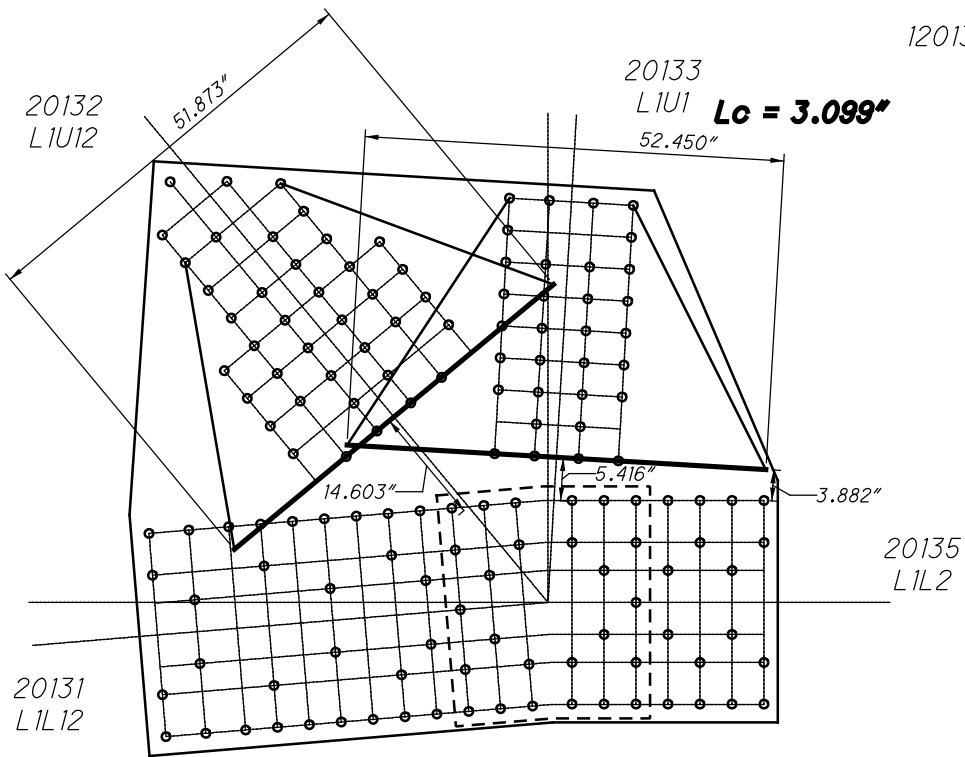
**U17 OUTSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



**U17 OUTSIDE (SPAN 7)
QUADRANT DIMENSIONS**

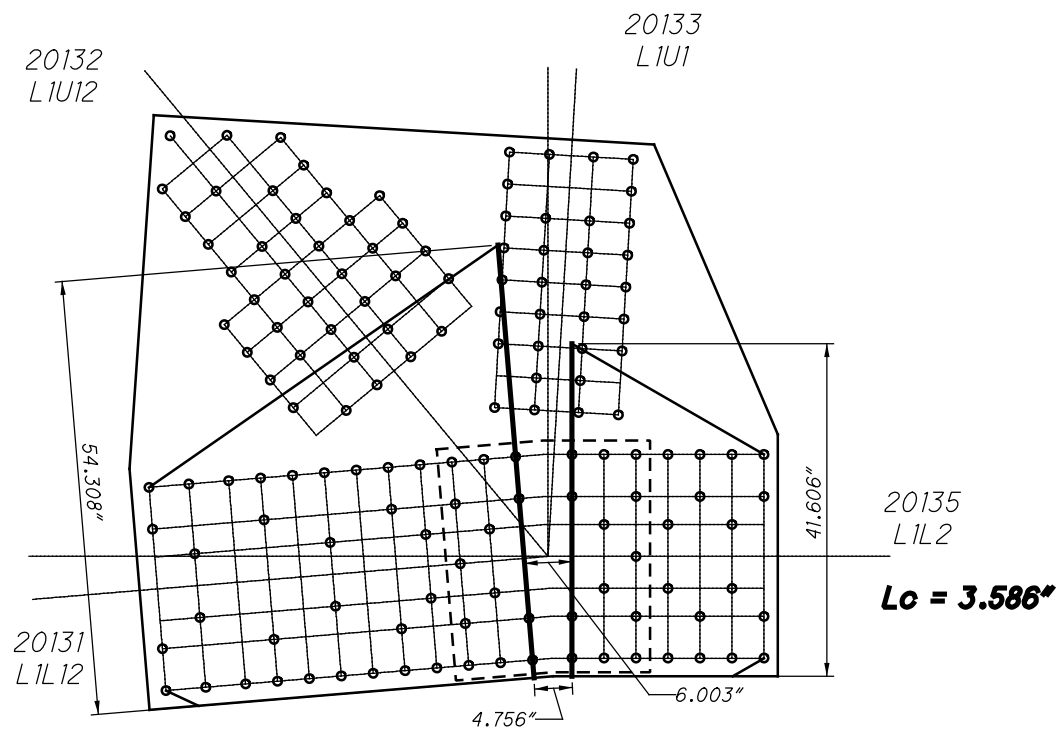


$L_c = 4.868''$



**L13 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 3.586''$



**L13 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

31 RIVETS
x 2 PLATES
=62 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

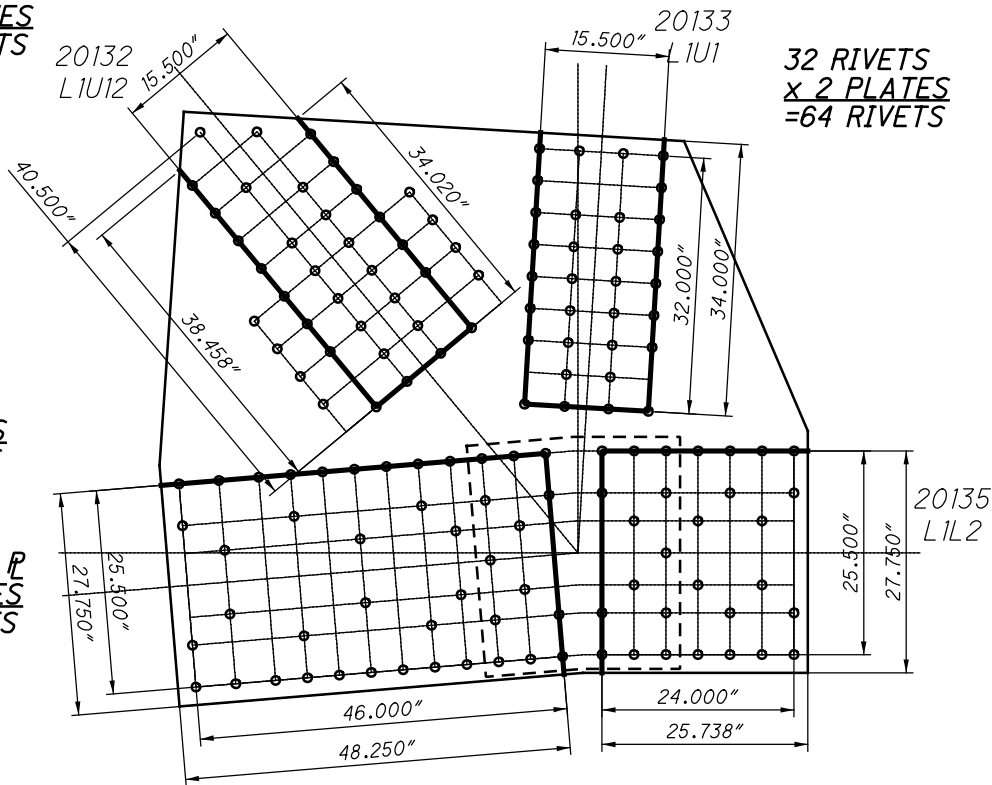
43 RIVETS
x 2 PLATES
=86 RIVETS

13 SPLICE P
x 2 PLATES
=26 RIVETS

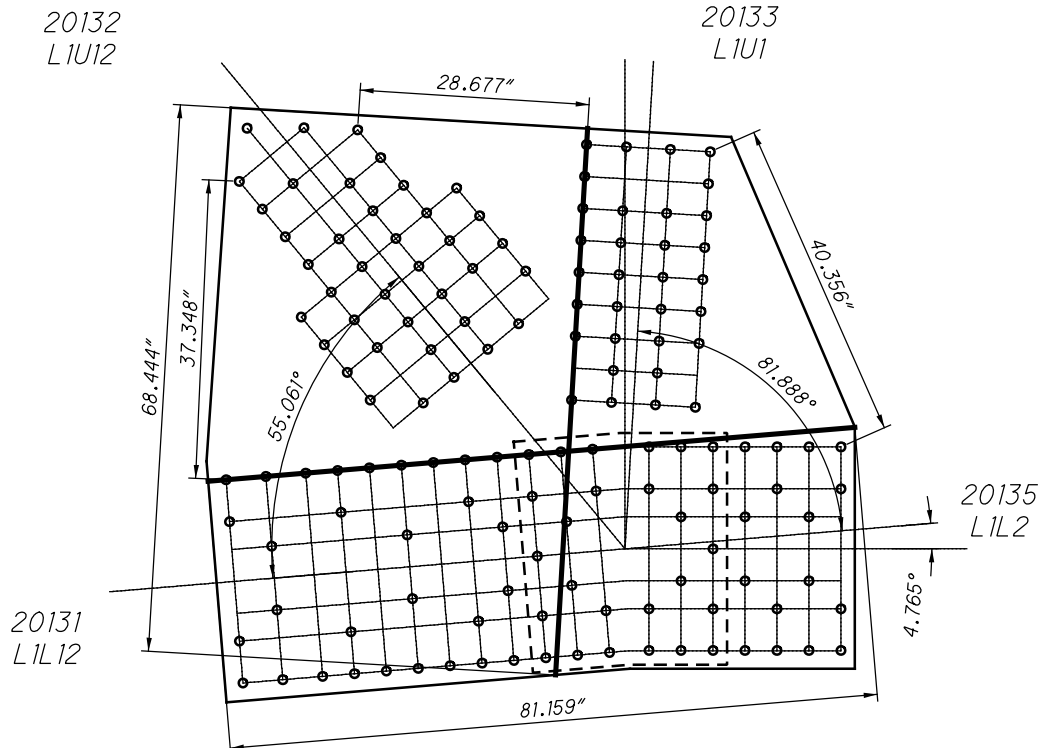
20131
L1L12

29 RIVETS
x 2 PLATES
=58 RIVETS

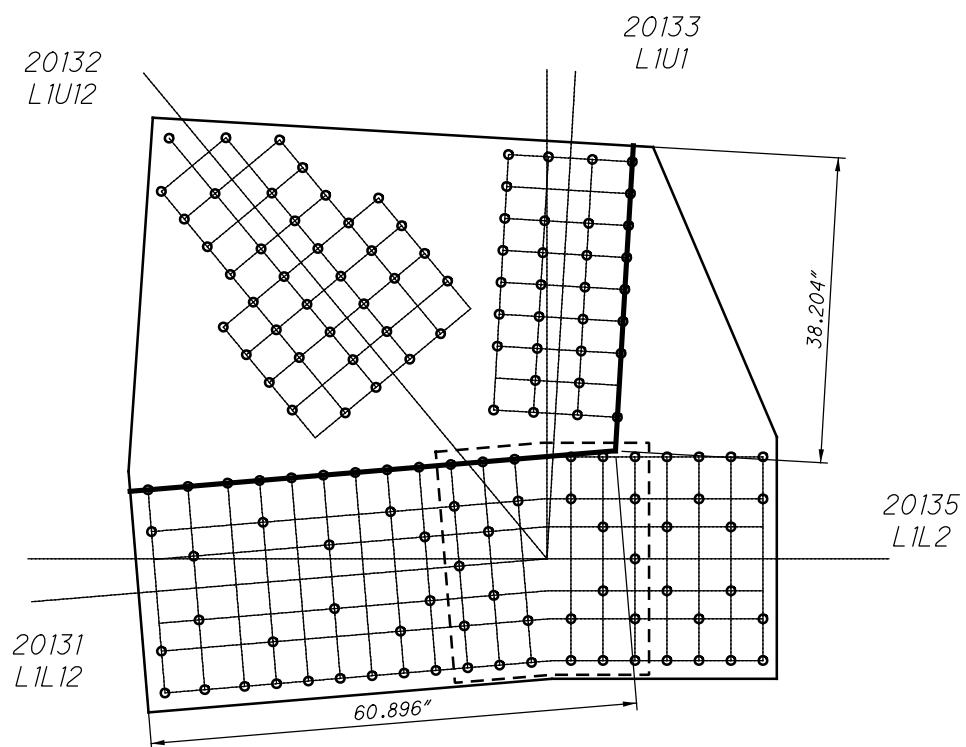
13 SPLICE P
x 2 PLATES
=26 RIVETS



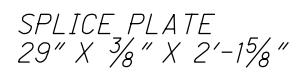
**L13 OUTSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



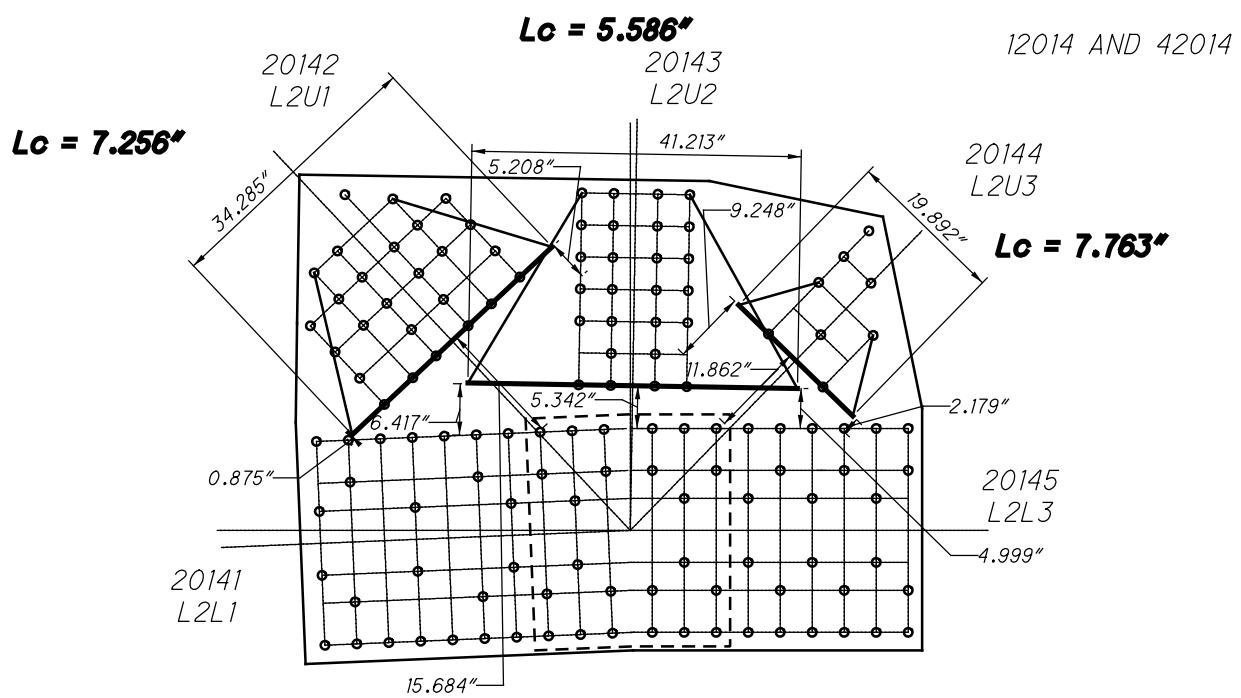
**L13 OUTSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



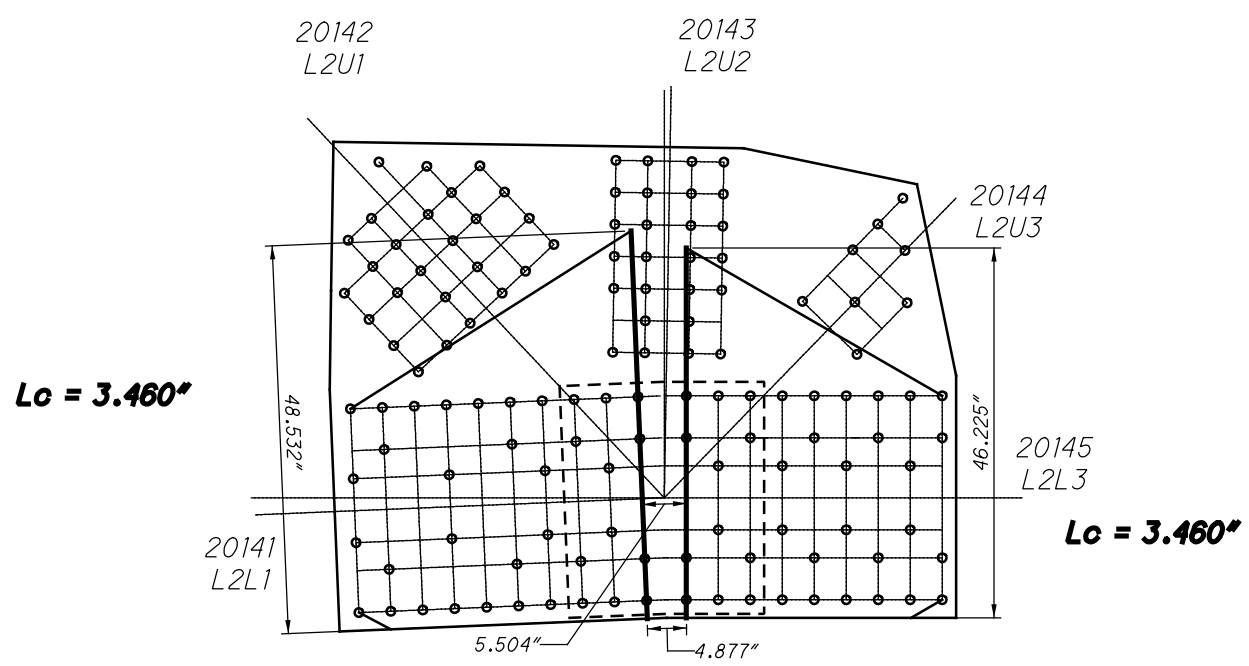
**L13 OUTSIDE (SPAN 7)
QUADRANT DIMENSIONS**



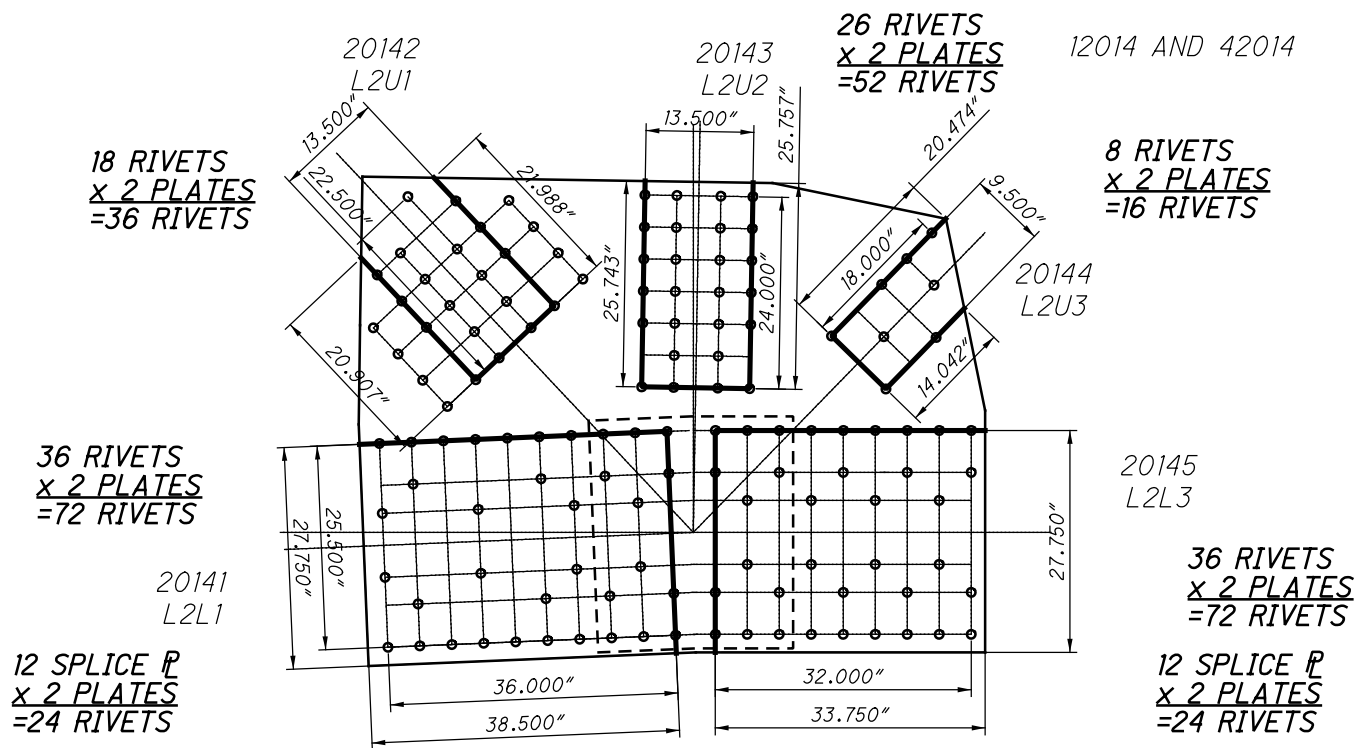
**L14 OUTSIDE (SPAN 7)
(NEAR AND FAR SIDE)**



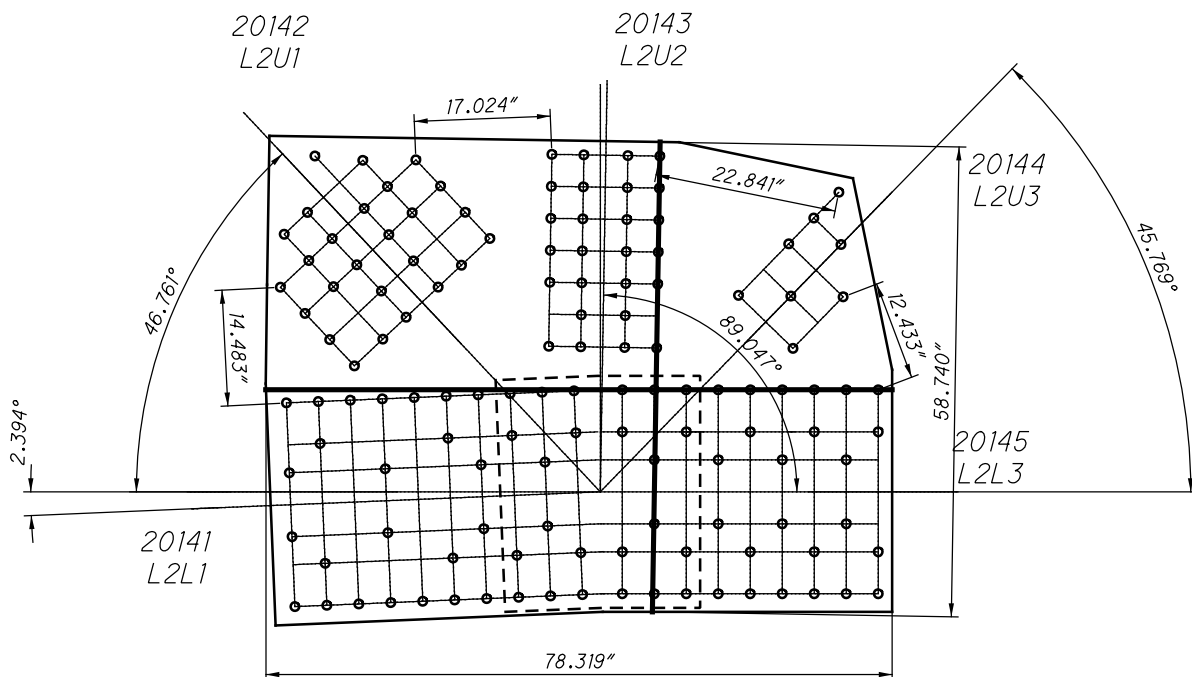
**L14 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



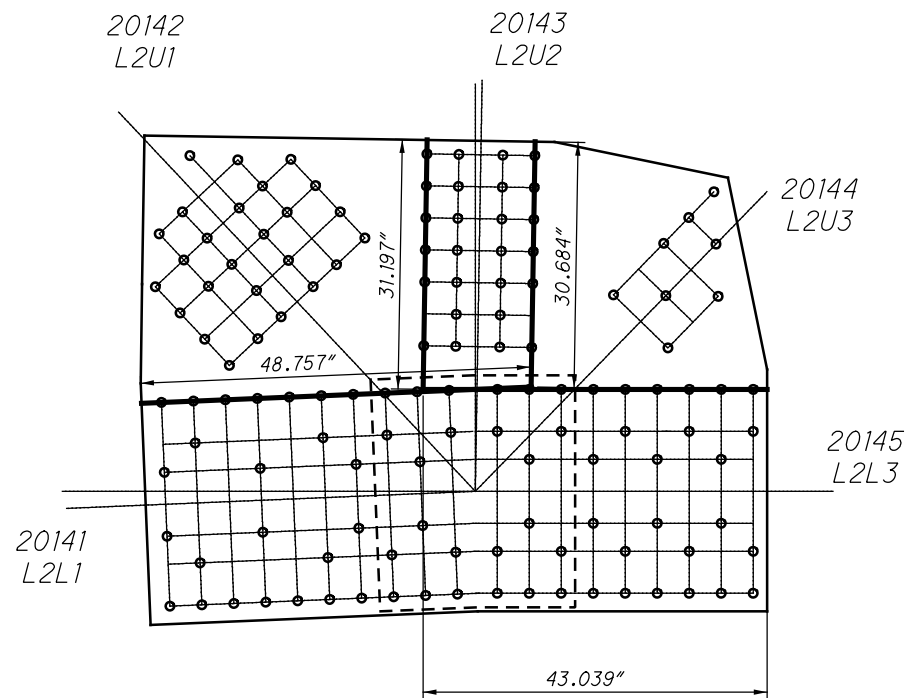
**L14 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



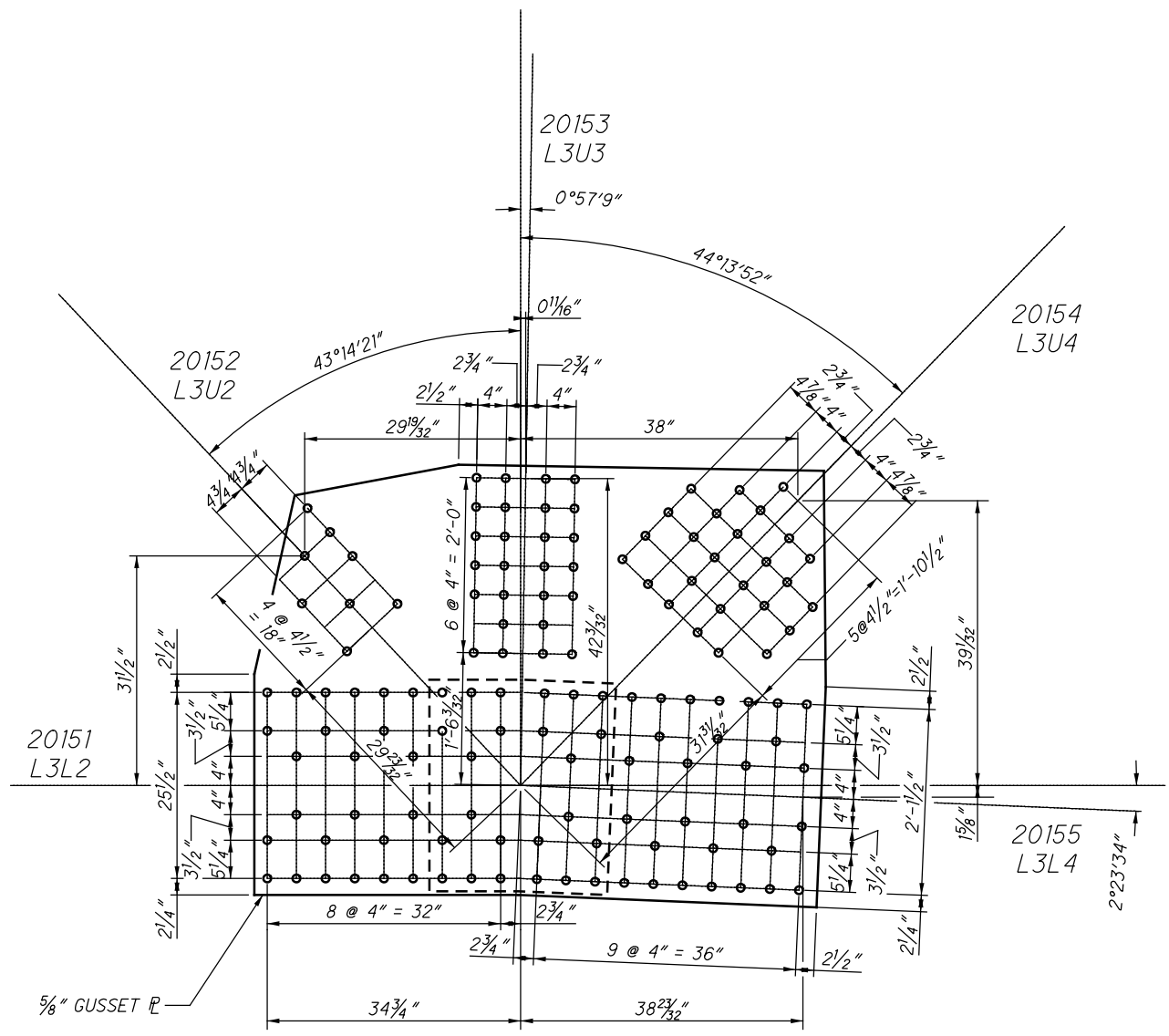
**L14 OUTSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



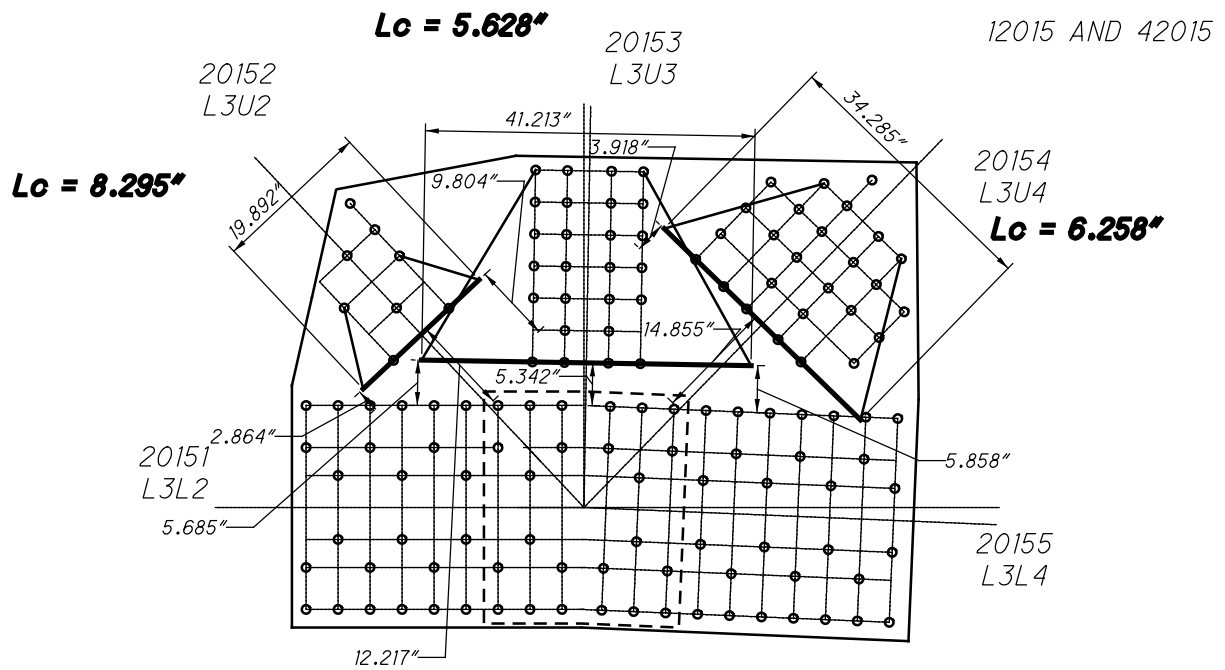
**L14 OUTSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



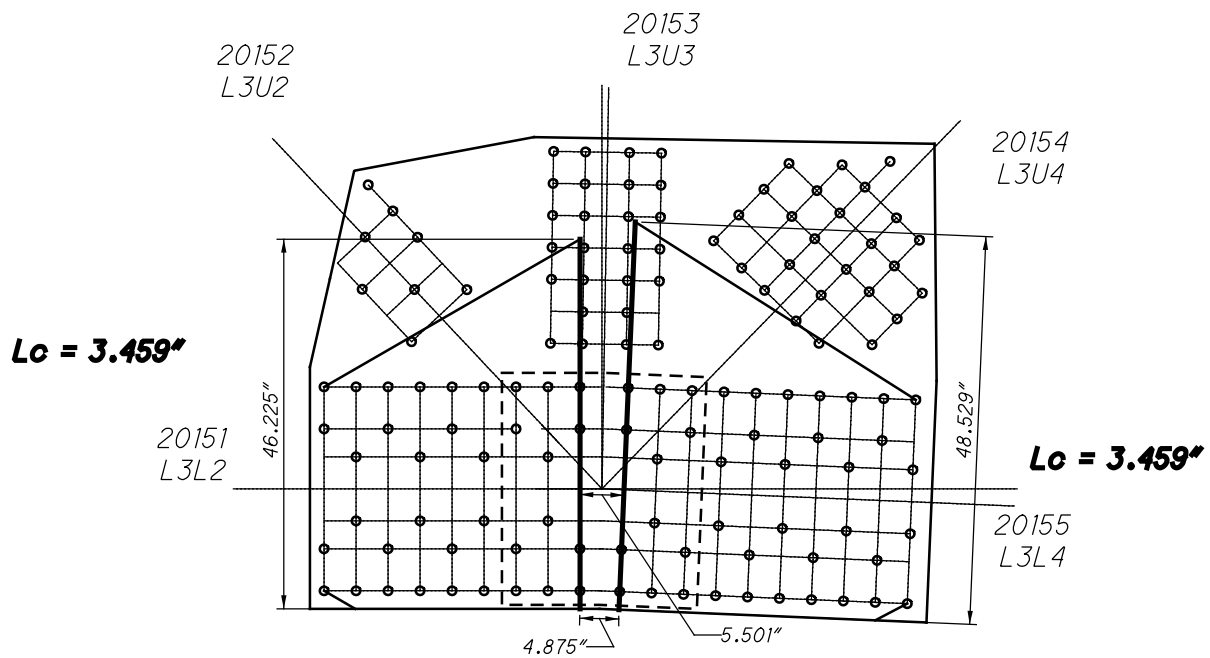
**L14 OUTSIDE (SPAN 7)
QUADRANT DIMENSIONS**



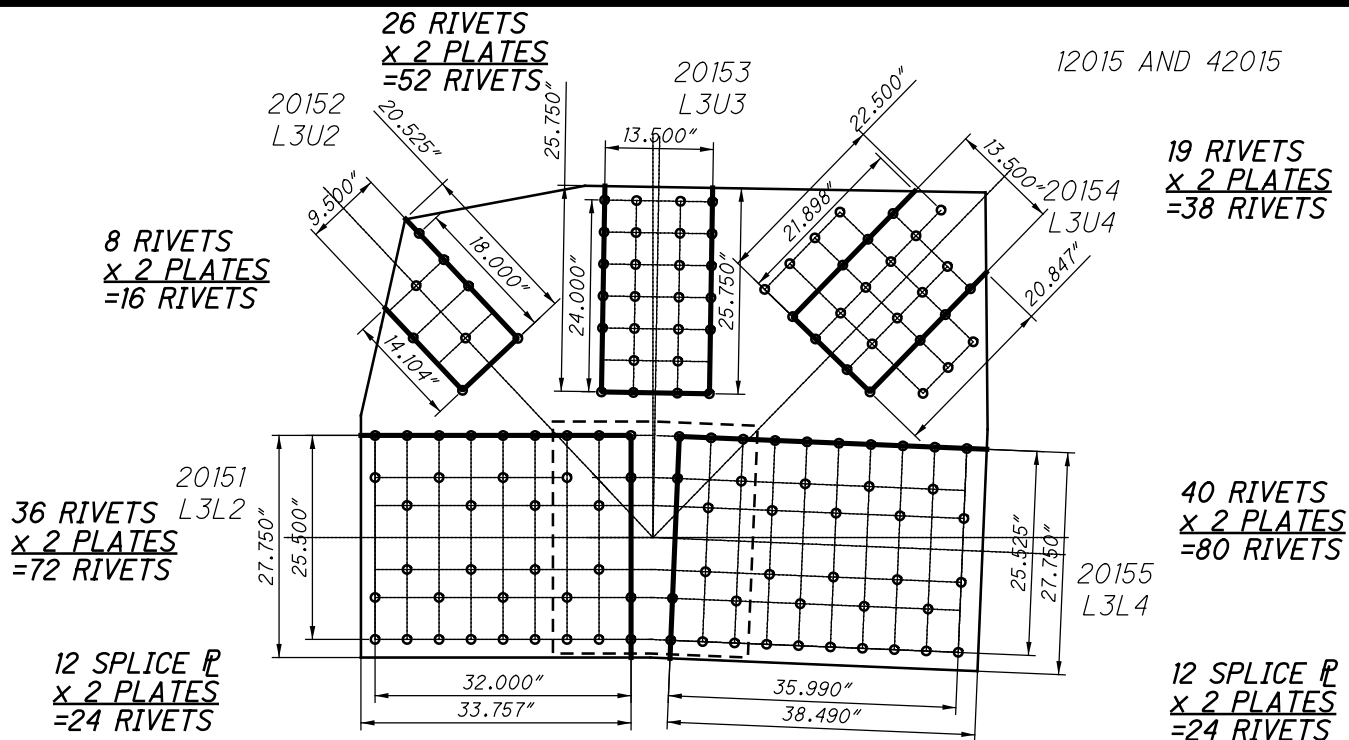
**L15 OUTSIDE (SPAN 7)
(NEAR AND FAR SIDE)**



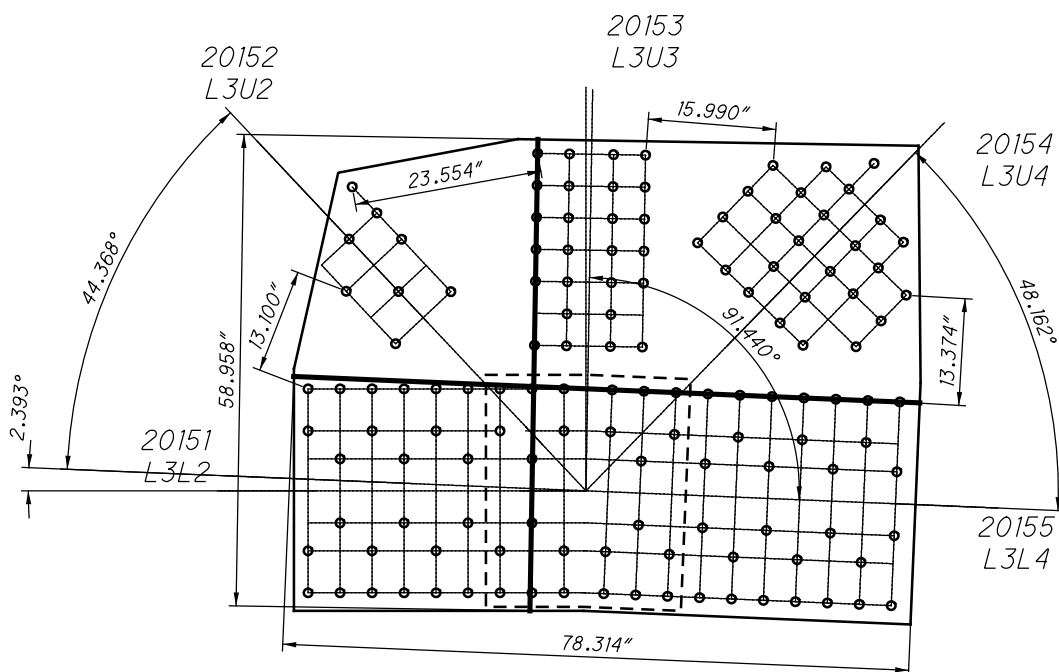
**L15 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



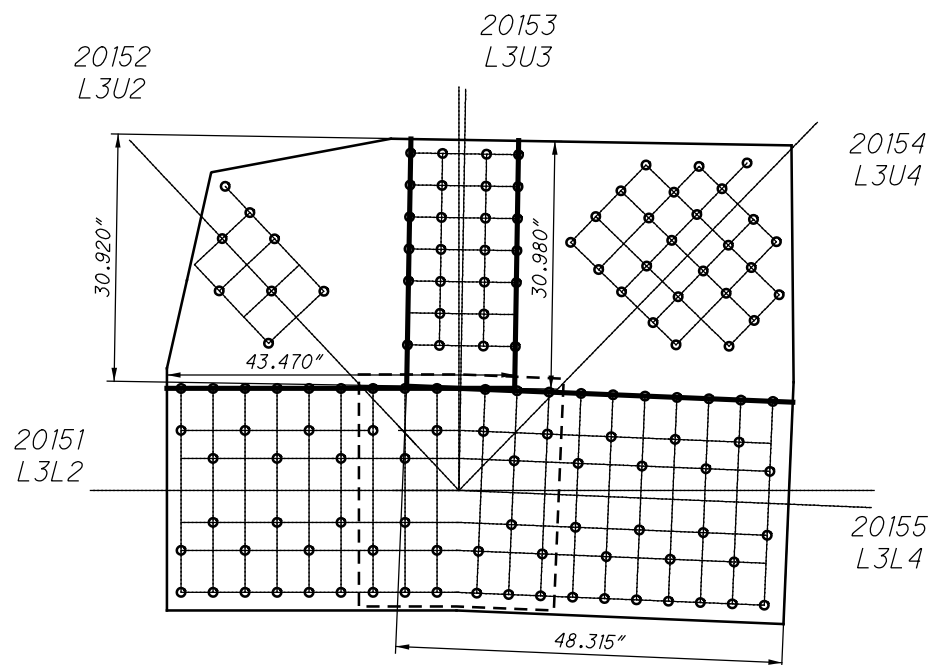
**L15 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



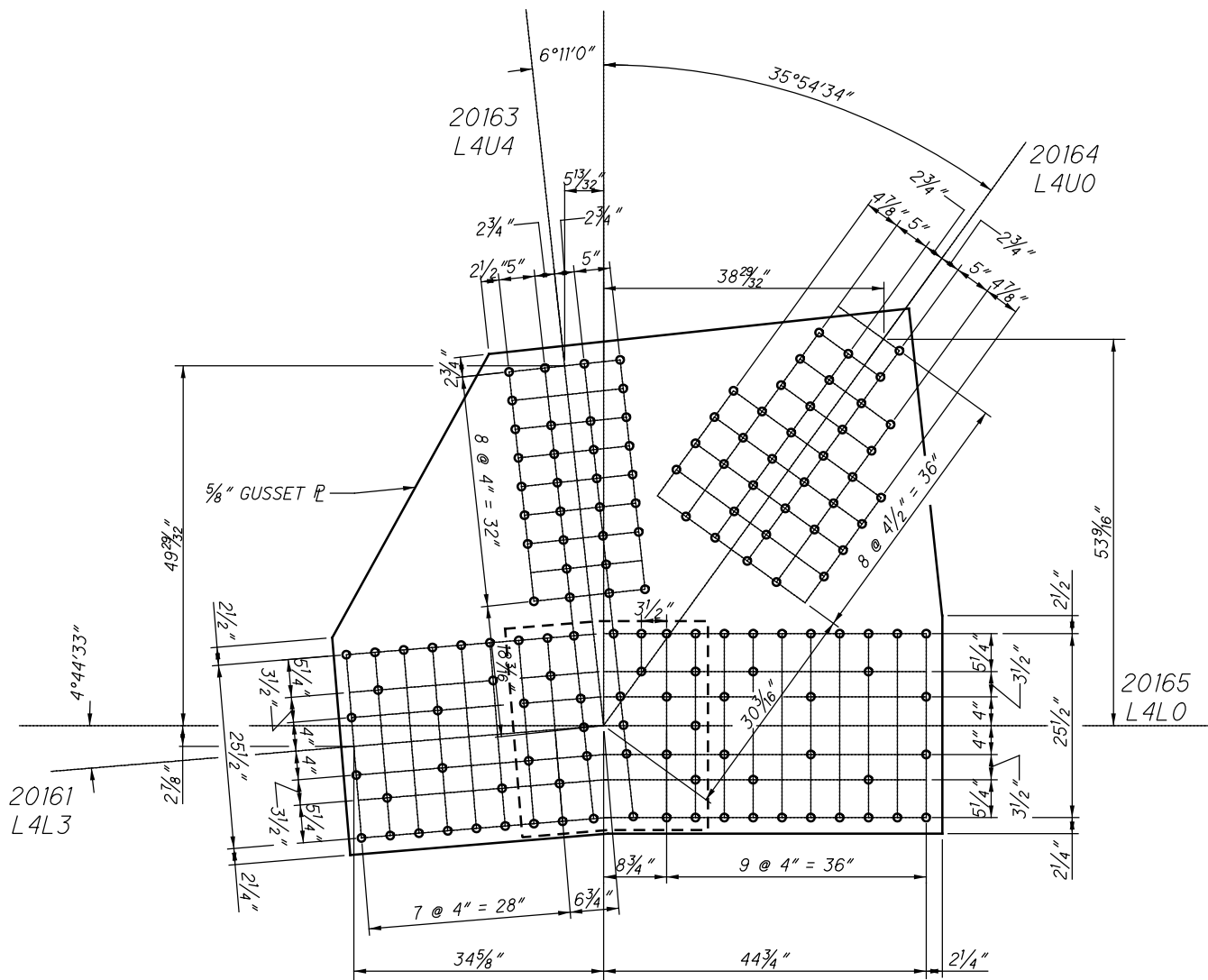
**L15 OUTSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L15 OUTSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**

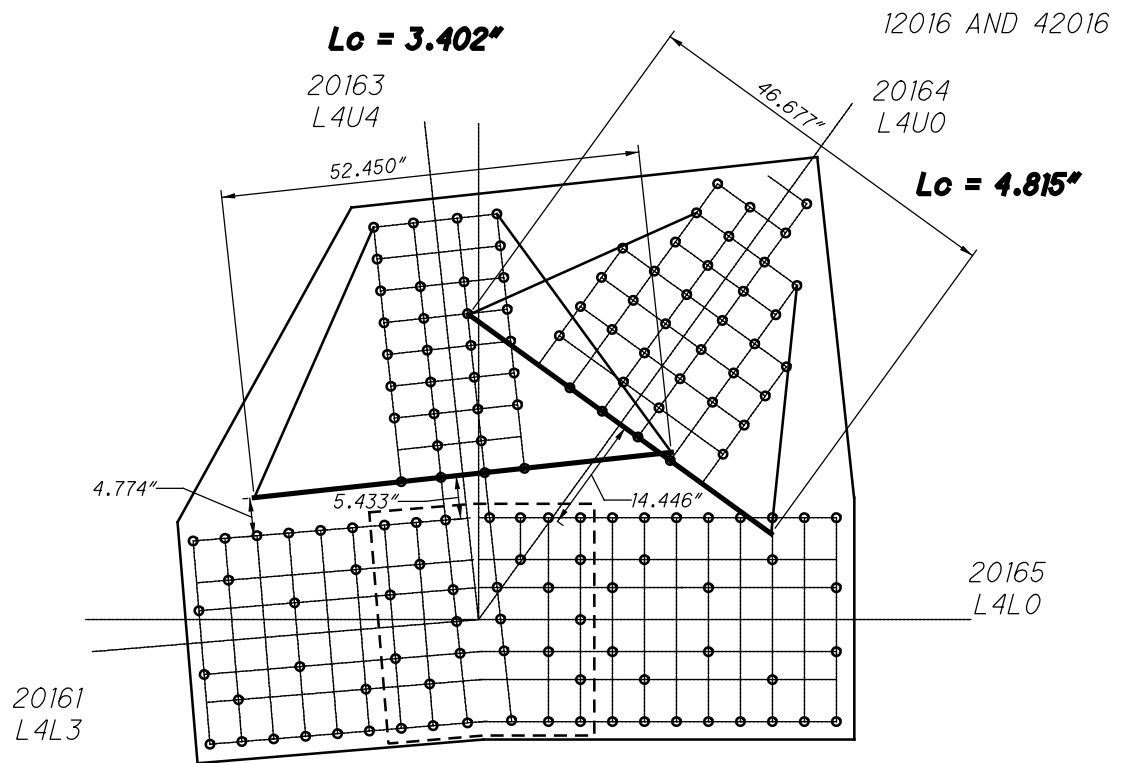


**L15 OUTSIDE (SPAN 7)
QUADRANT DIMENSIONS**

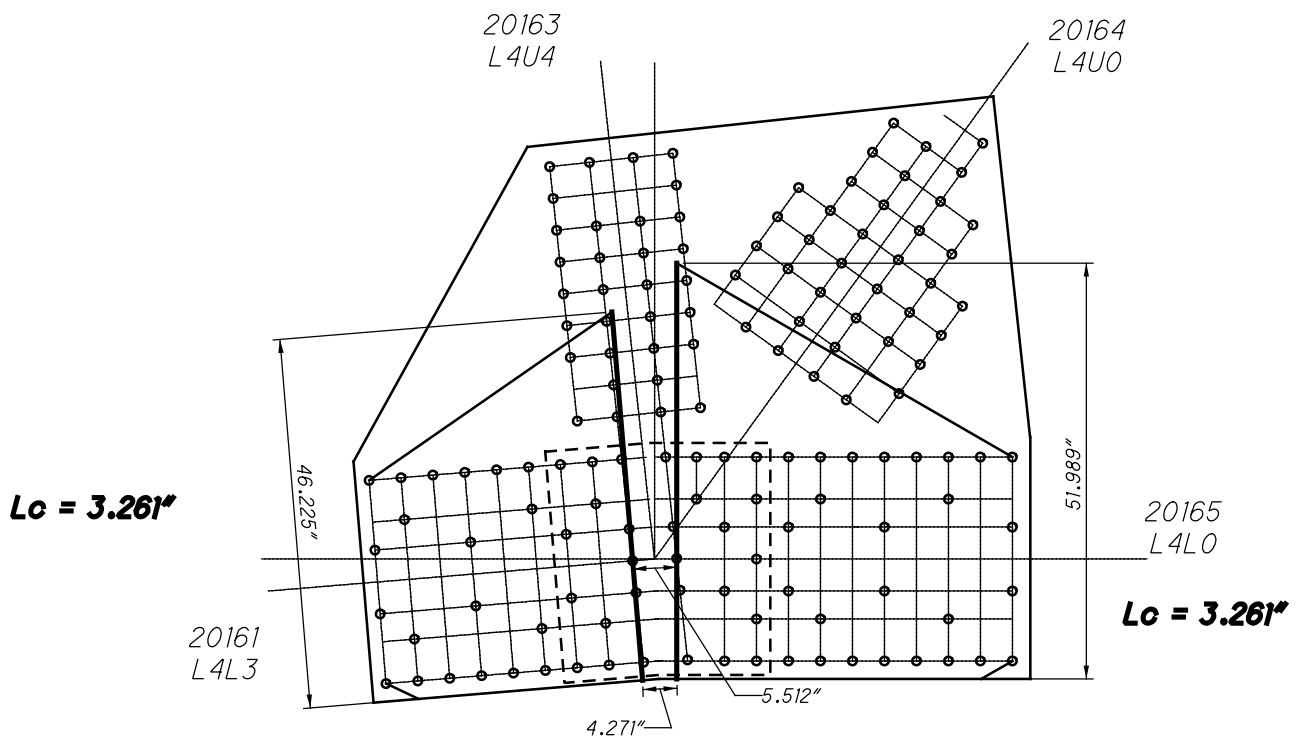


SPLICE PLATE
30" X 3/8" X 2'-4 1/2"

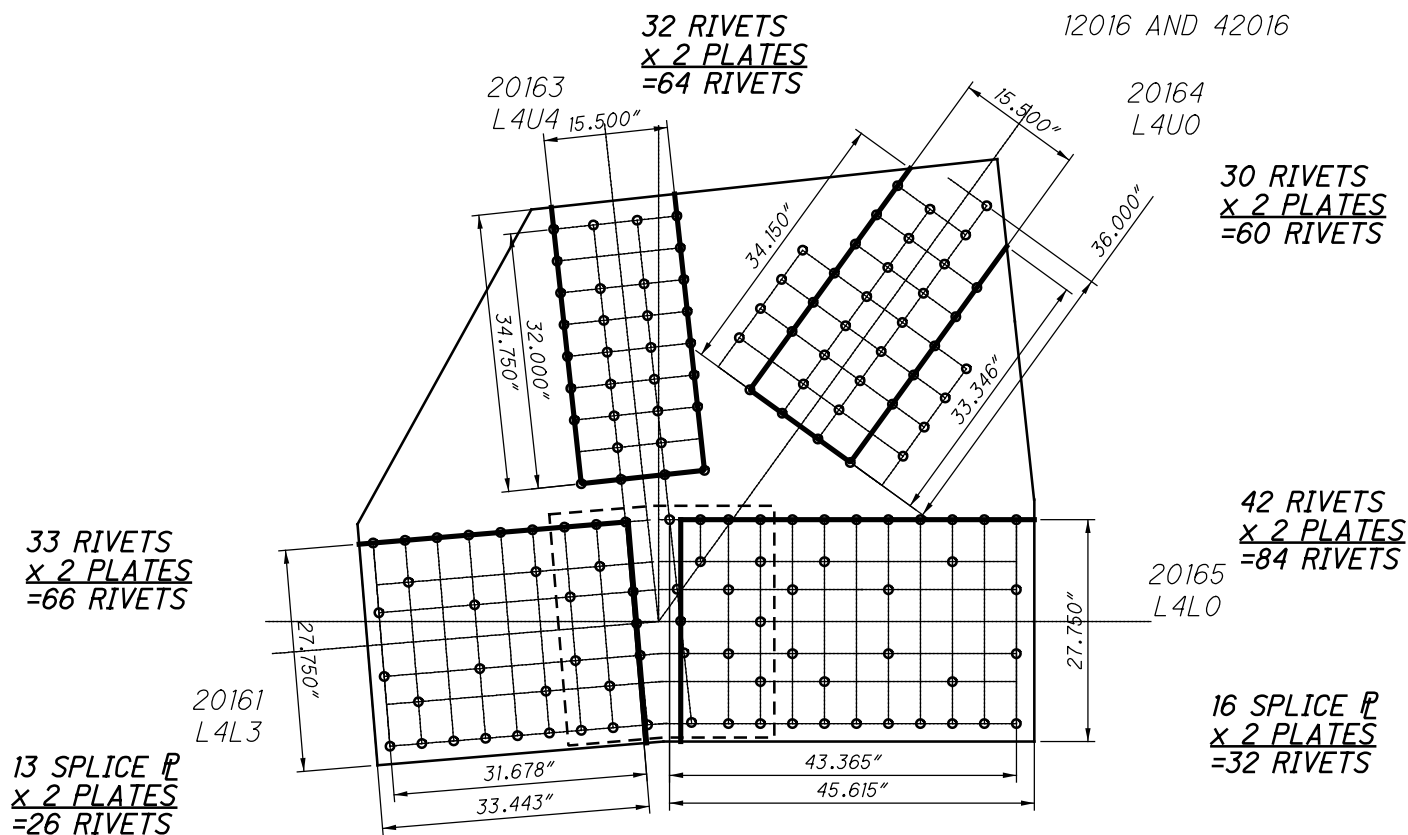
**L16 OUTSIDE (SPAN 7)
(NEAR AND FAR SIDE)**



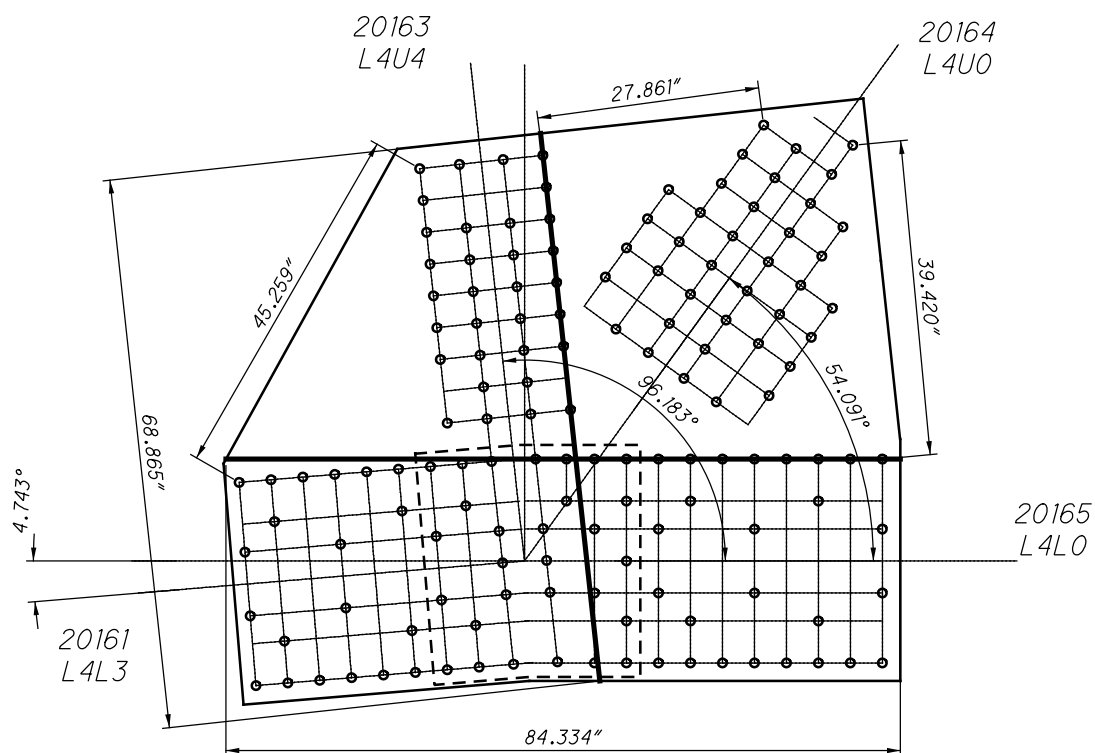
**L16 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



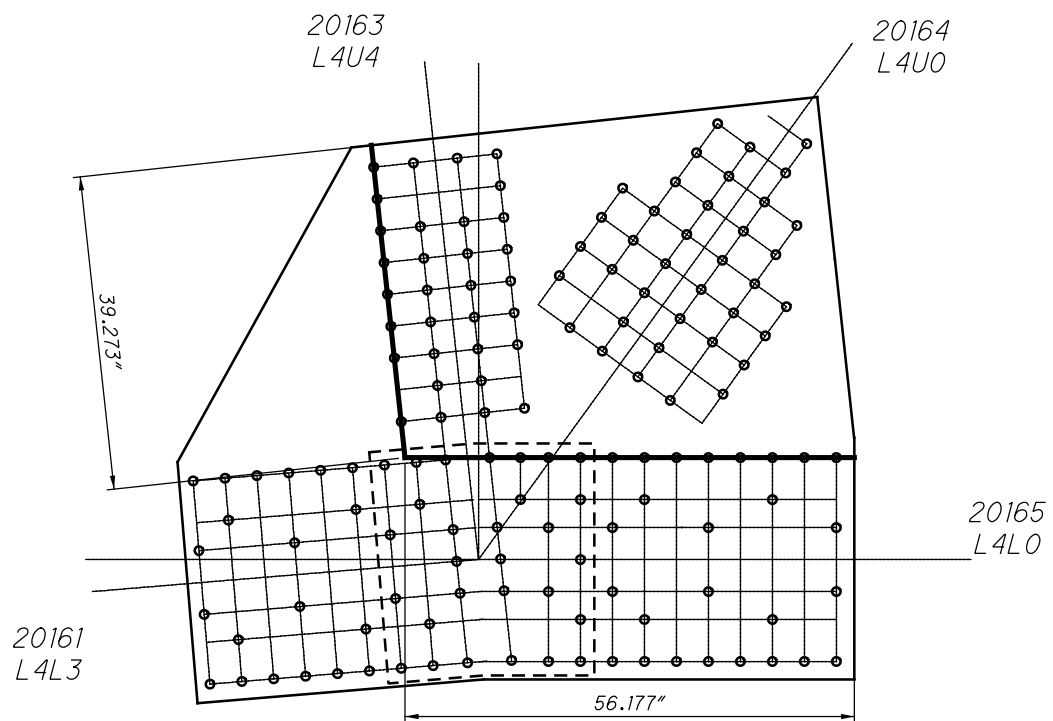
**L16 OUTSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



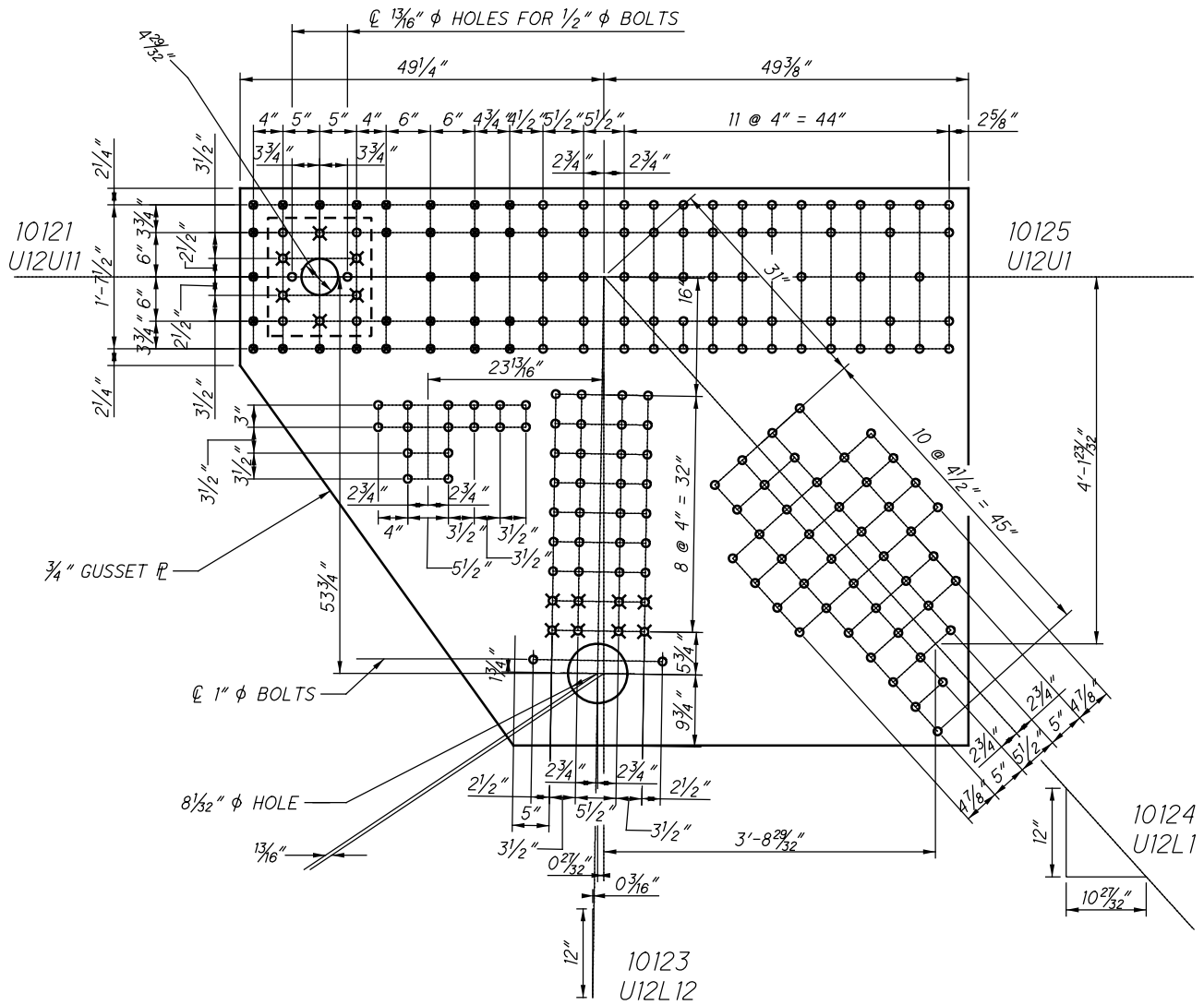
**L16 OUTSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



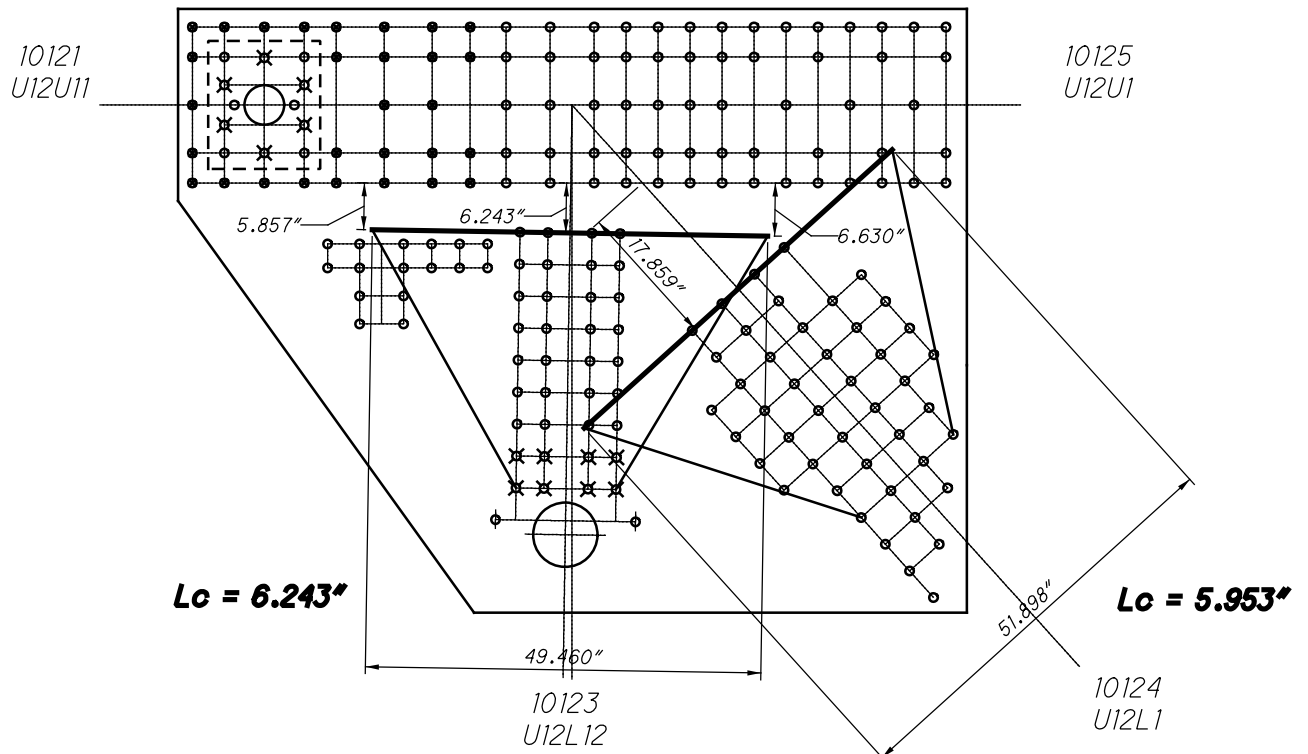
**L16 OUTSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



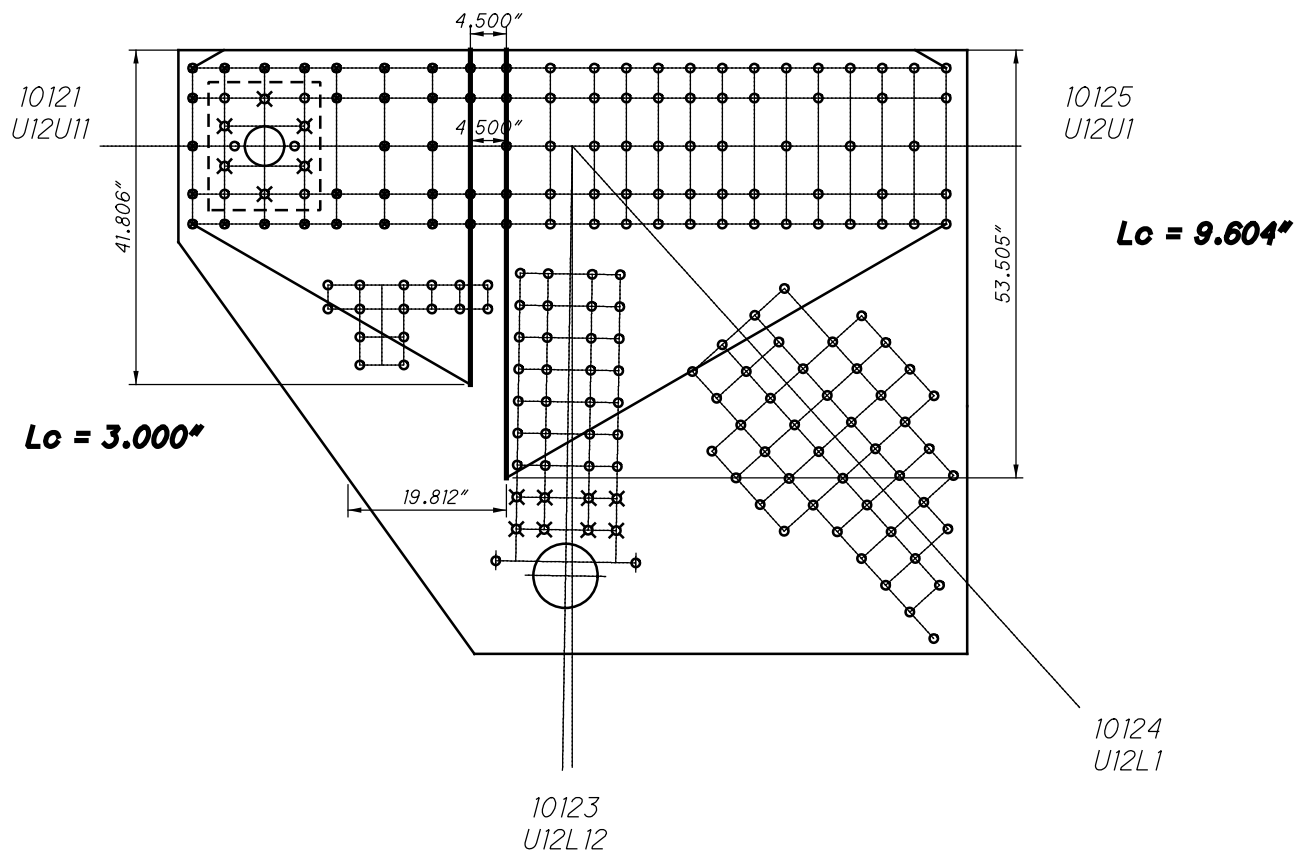
**L16 OUTSIDE (SPAN 7)
QUADRANT DIMENSIONS**



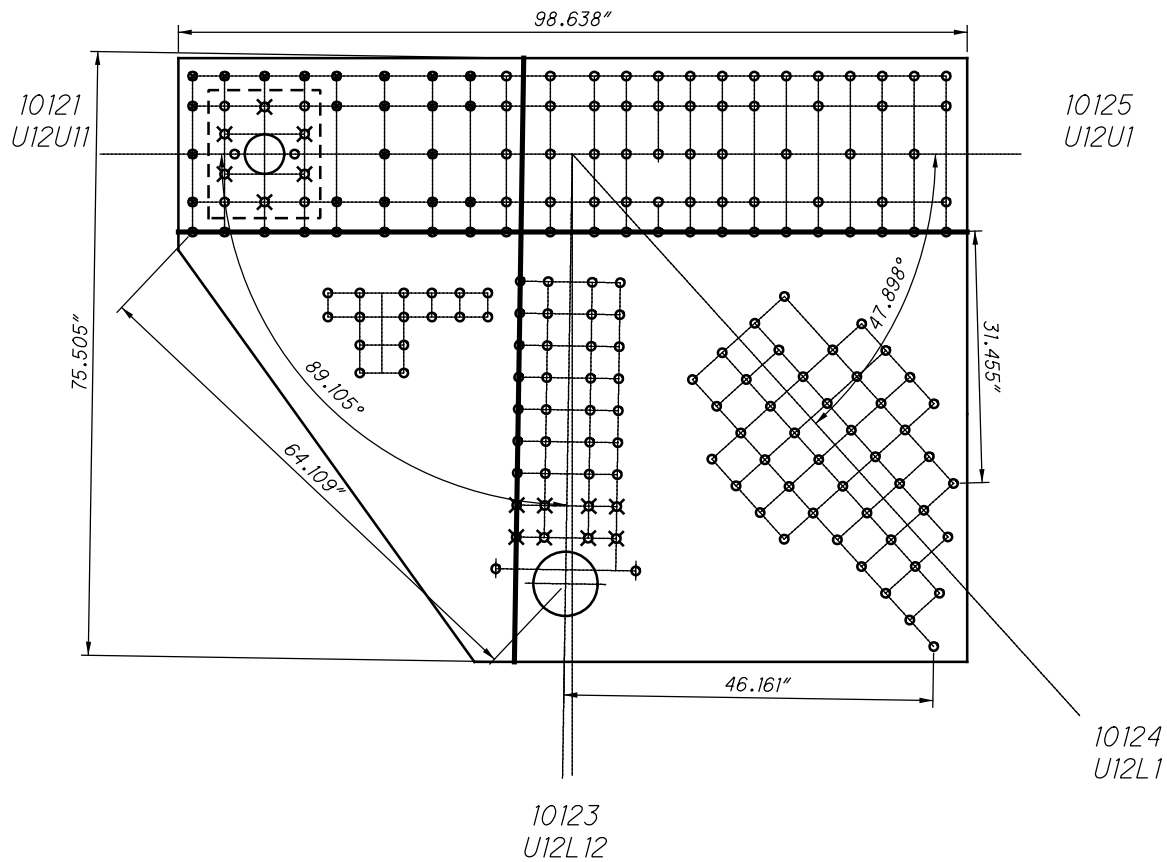
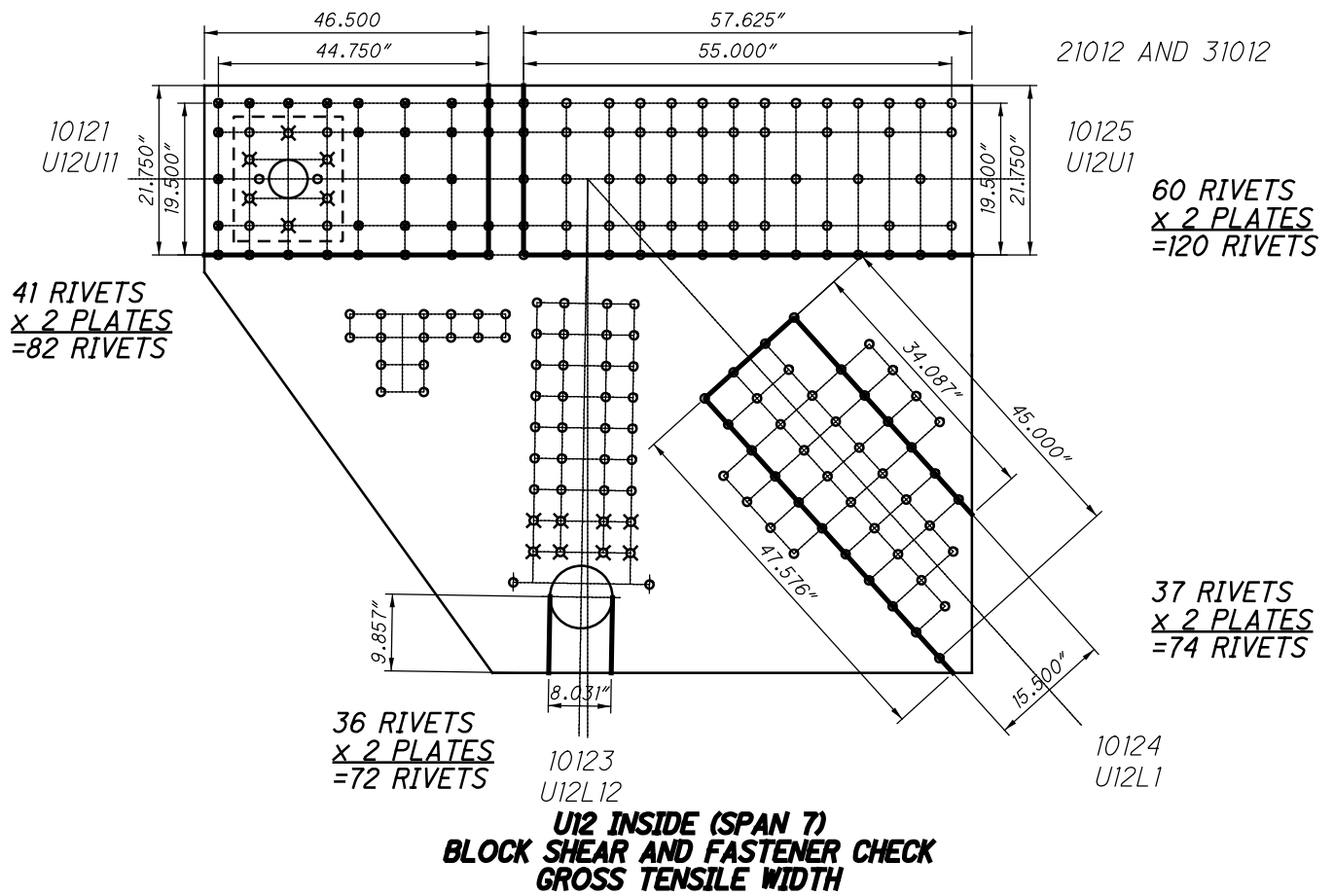
**U12 INSIDE (SPAN 7)
(NEAR AND FAR SIDE)**



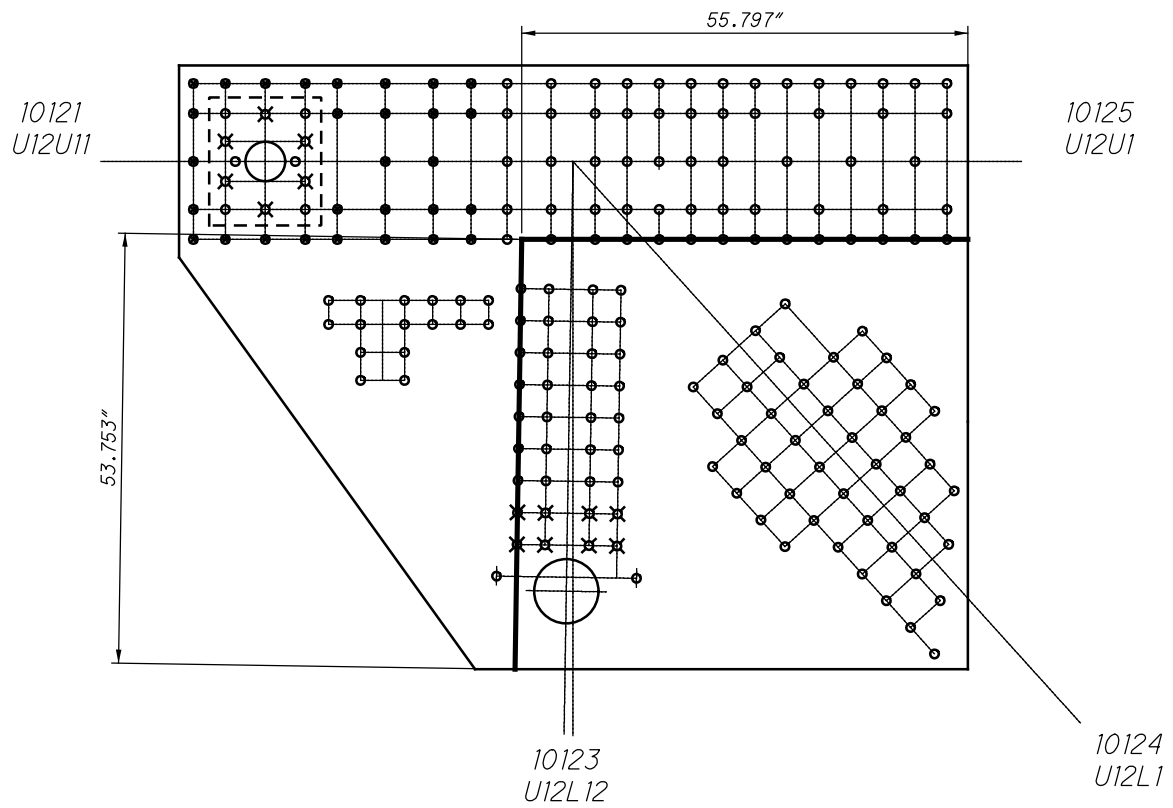
**U12 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



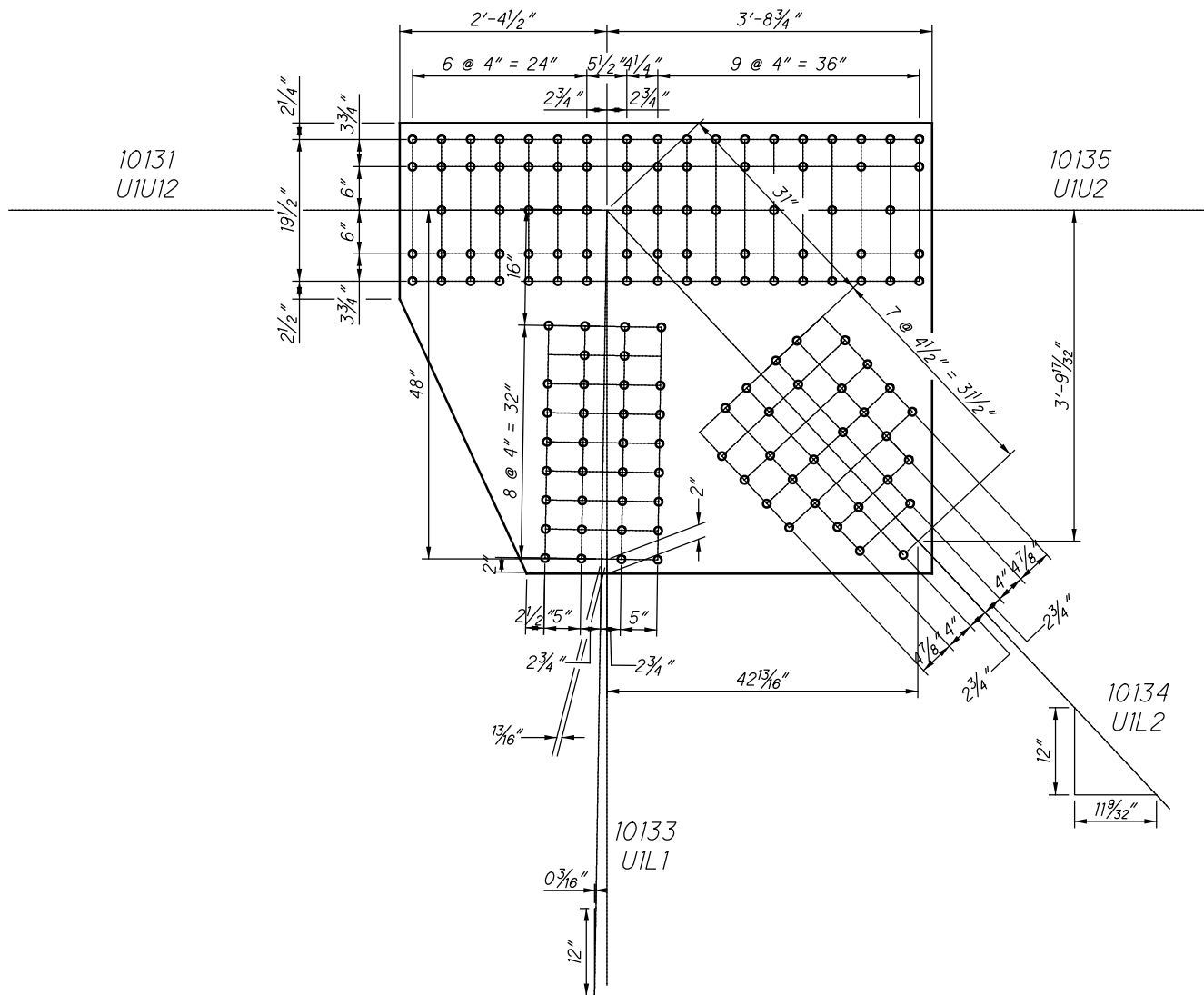
**U12 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U12 INSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**

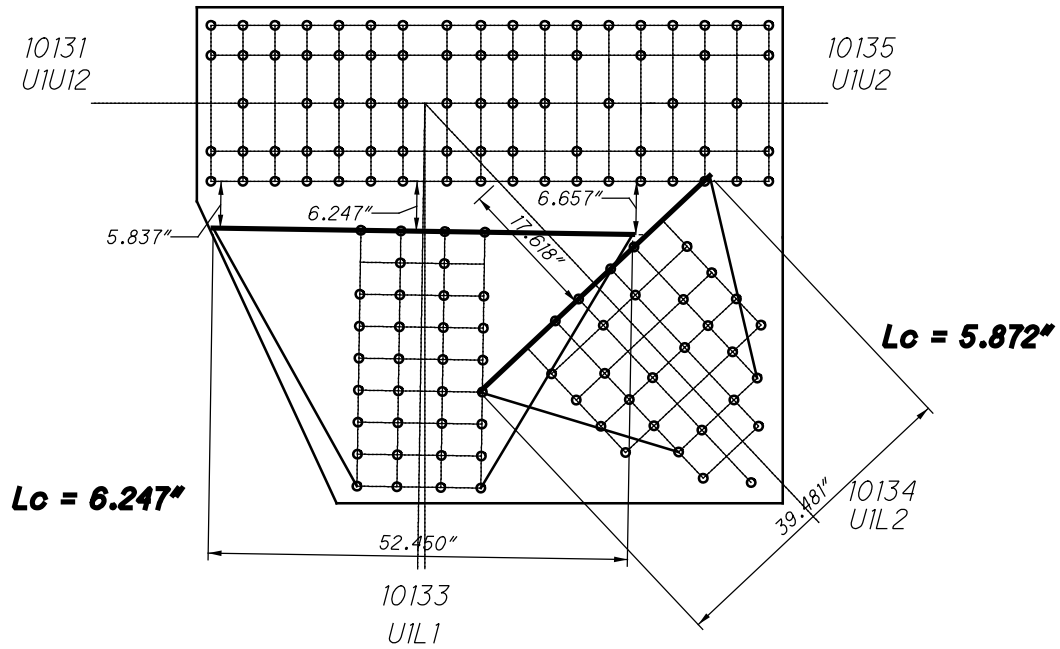


**U12 INSIDE (SPAN 7)
QUADRANT DIMENSIONS**

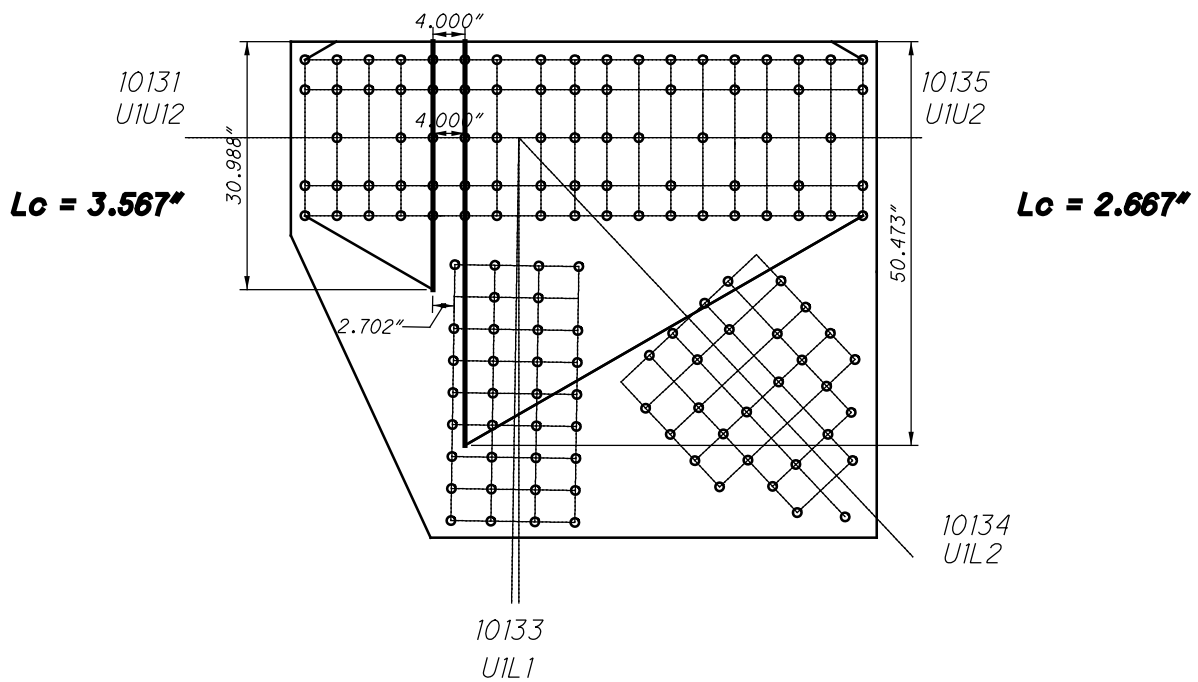


**U13 INSIDE (SPAN 7)
(NEAR AND FAR SIDE)**

21013 AND 31013



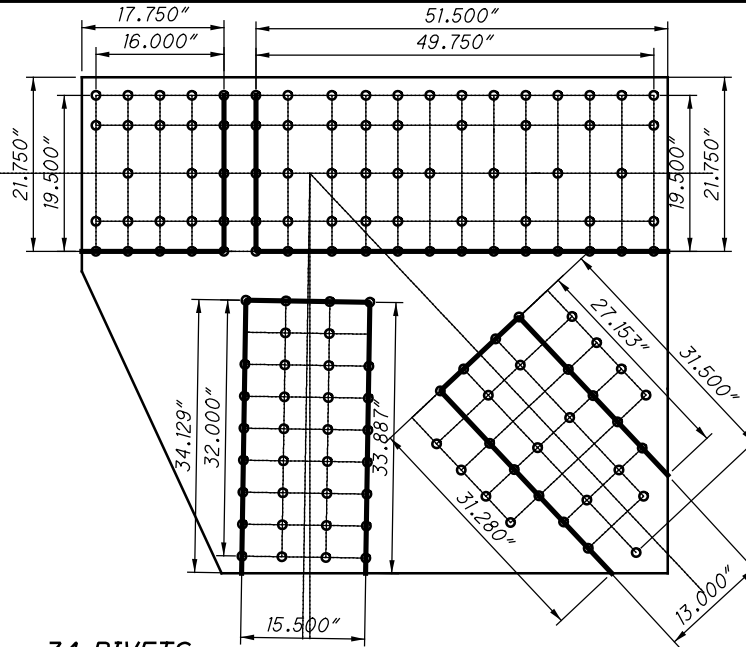
**U13 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U13 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

23 RIVETS
x 2 PLATES
=46 RIVETS

10131
U1U12



34 RIVETS
x 2 PLATES
=68 RIVETS

10133
U1L1

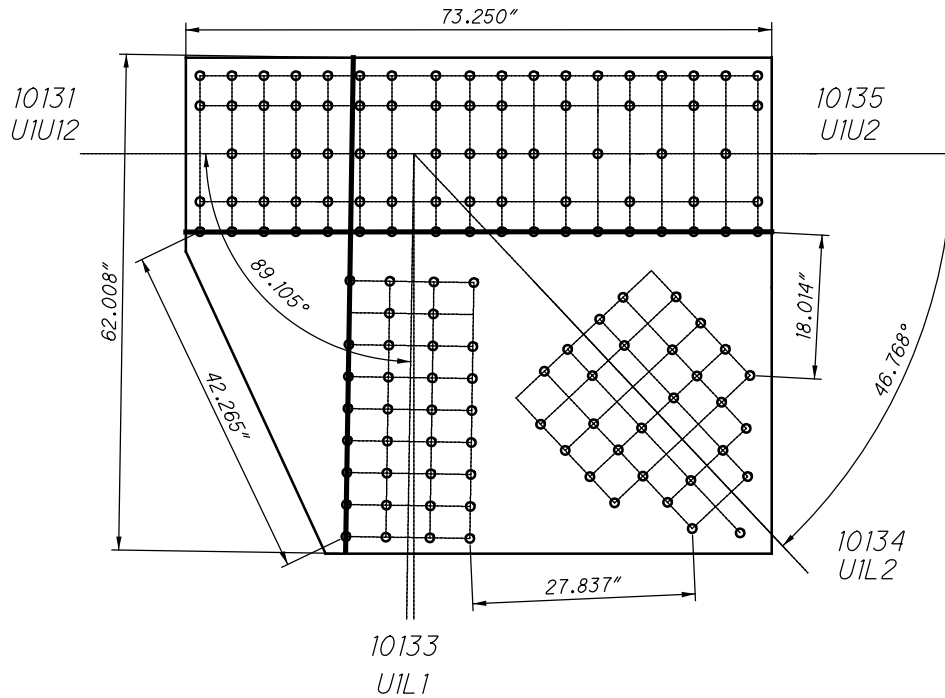
10135
U1U2

53 RIVETS
x 2 PLATES
=106 RIVETS

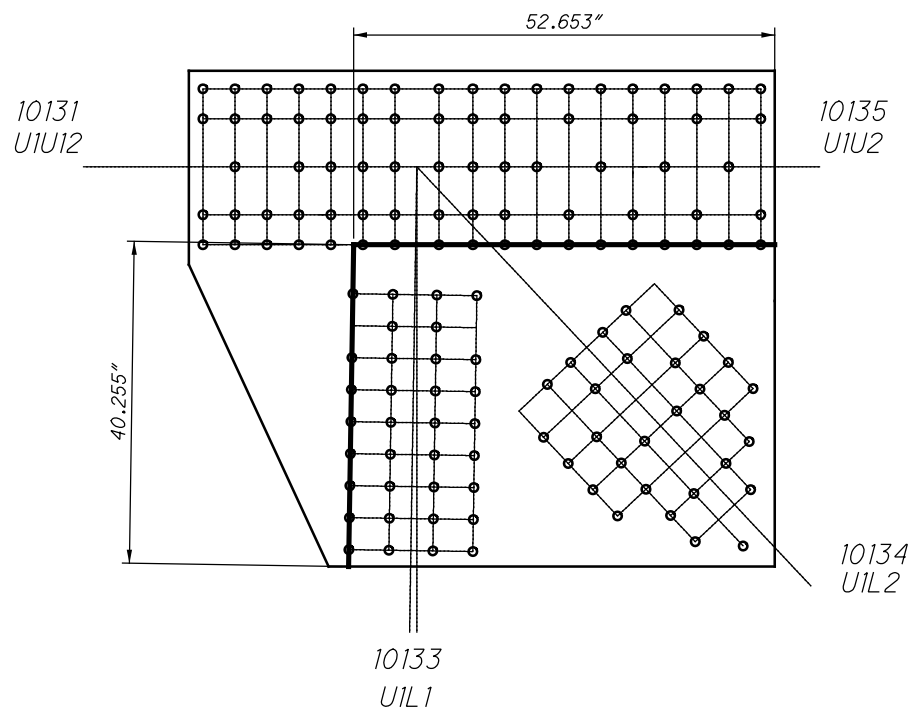
21 RIVETS
x 2 PLATES
=42 RIVETS

10134
U1L2

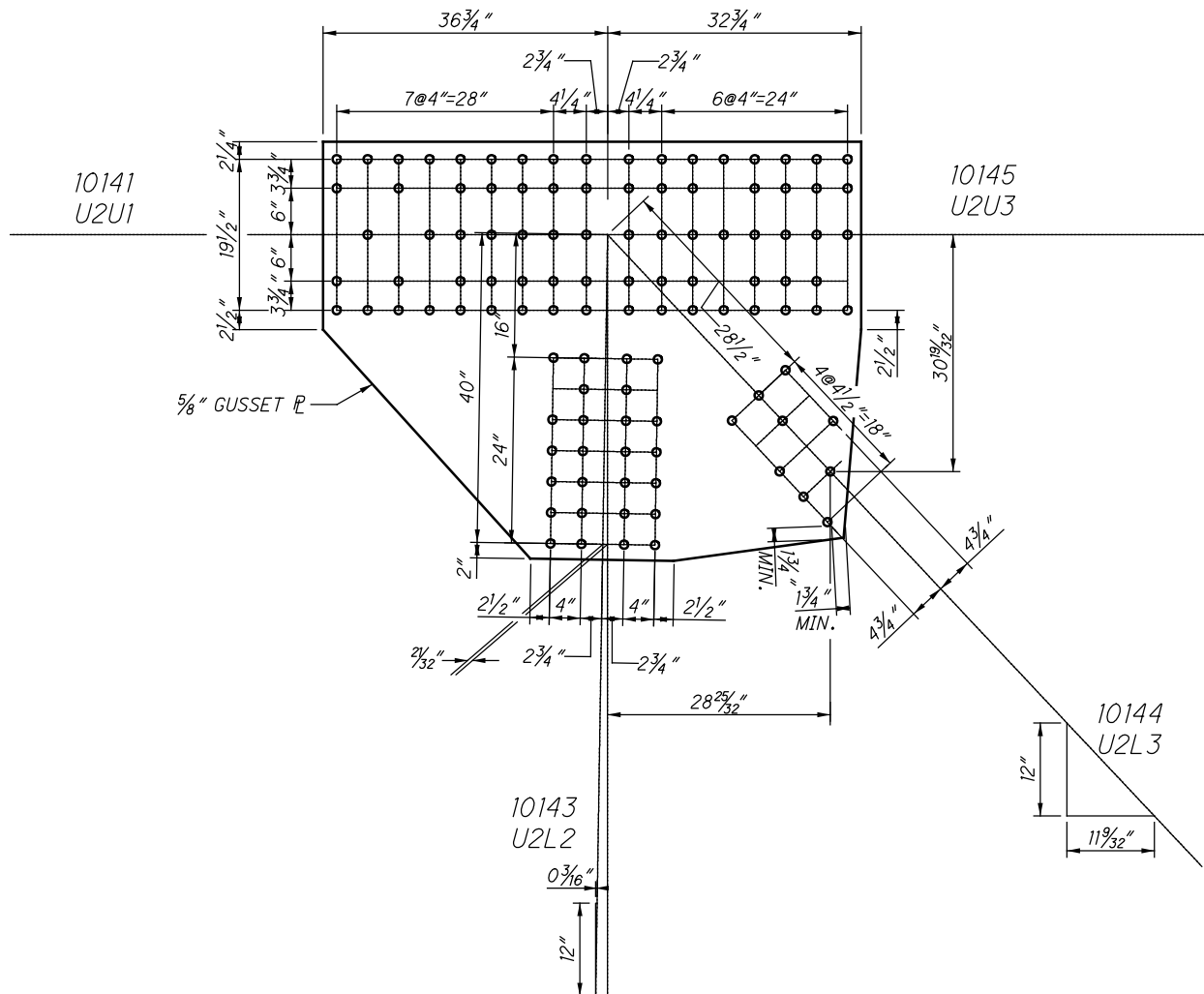
**U13 INSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



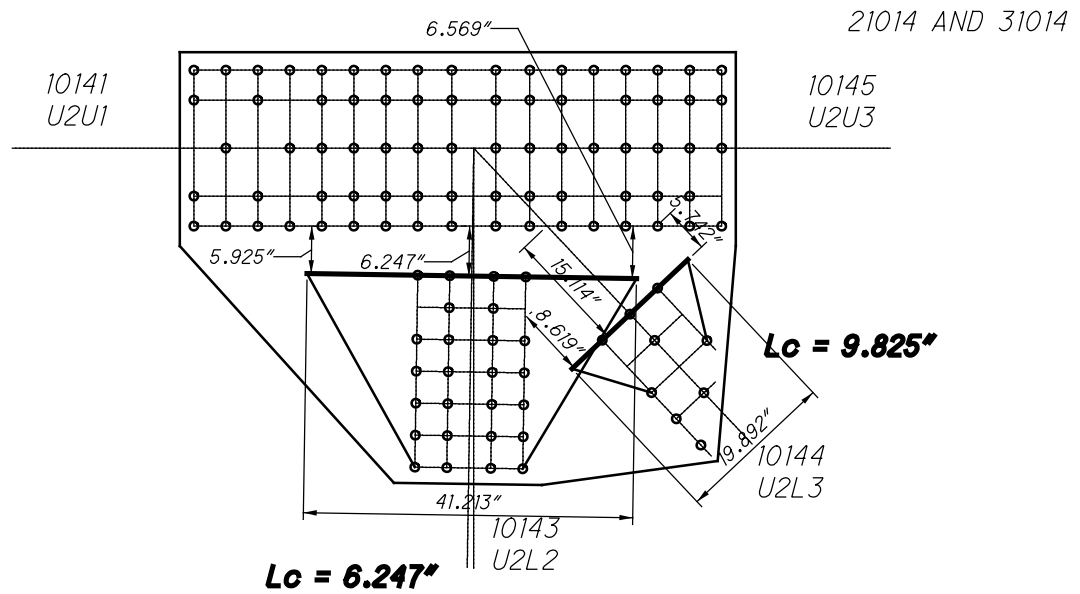
**U13 INSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



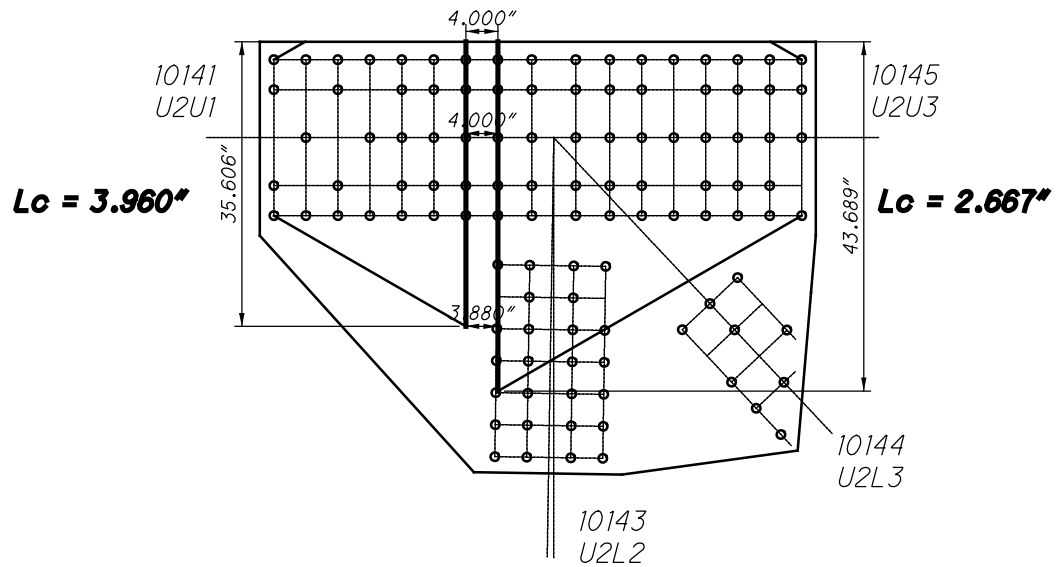
**U13 INSIDE (SPAN 7)
QUADRANT DIMENSIONS**



**U14 INSIDE (SPAN 7)
(OUTSIDE SAME)
(NEAR AND FAR SIDE)**

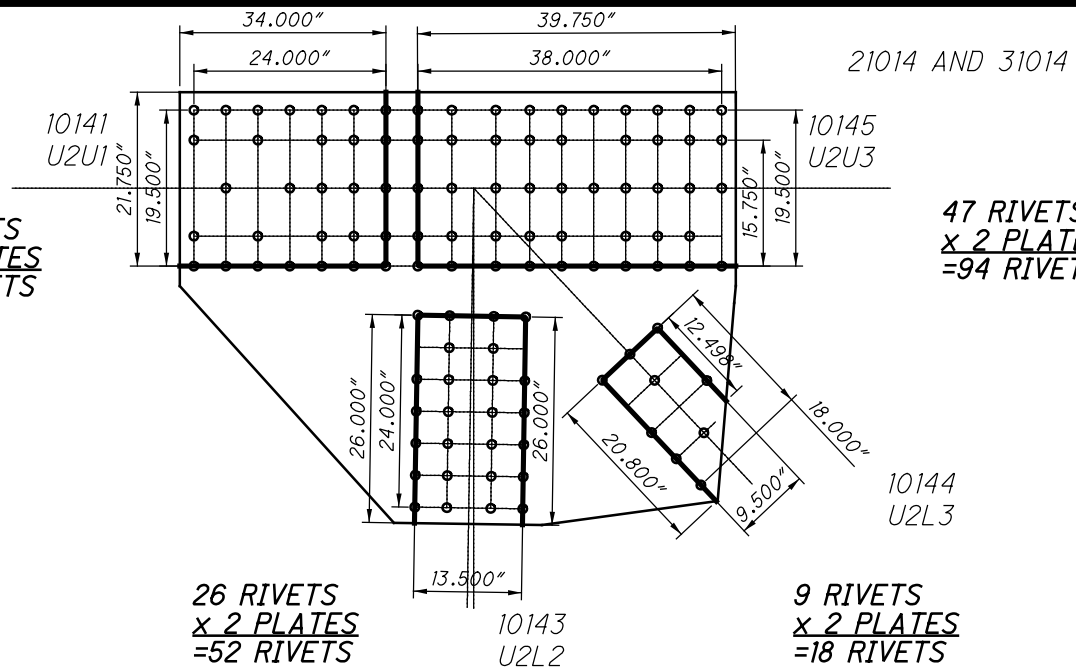


**U14 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

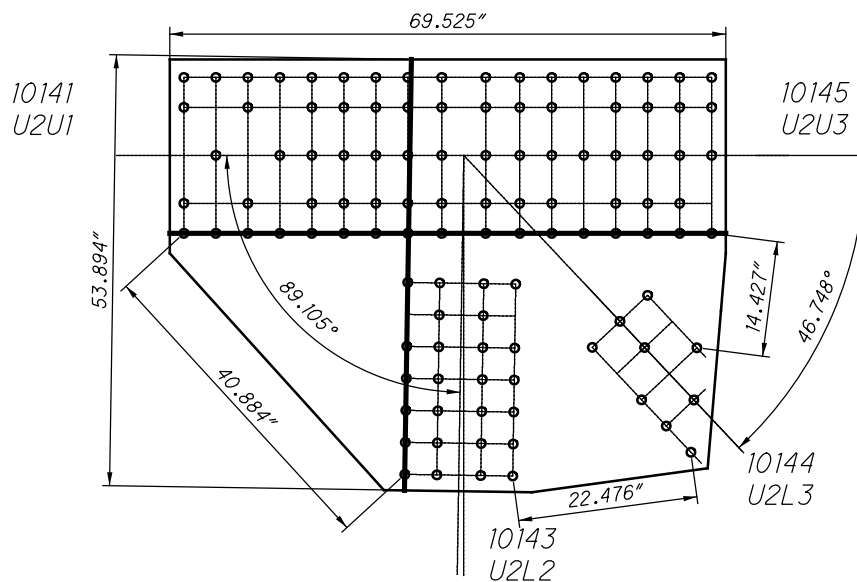


**U14 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

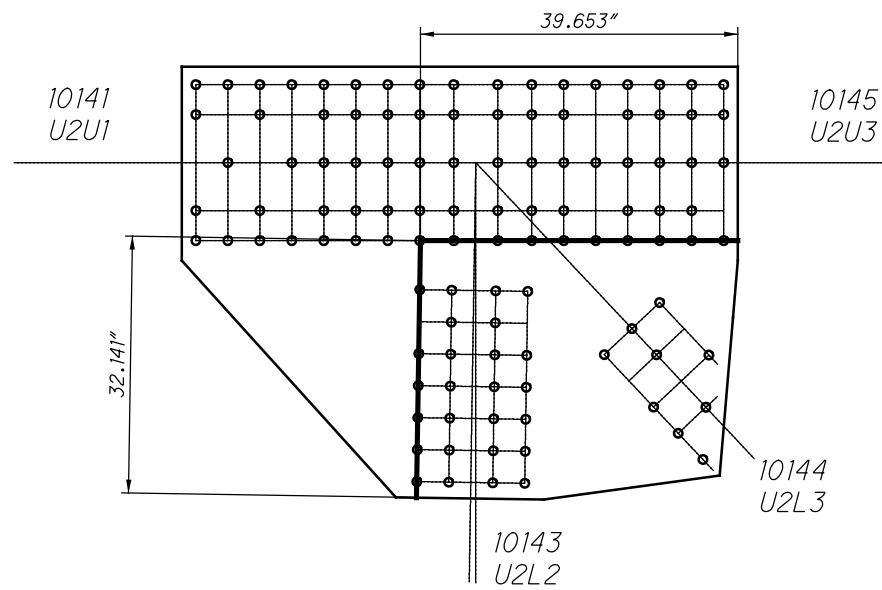
29 RIVETS
x 2 PLATES
=58 RIVETS



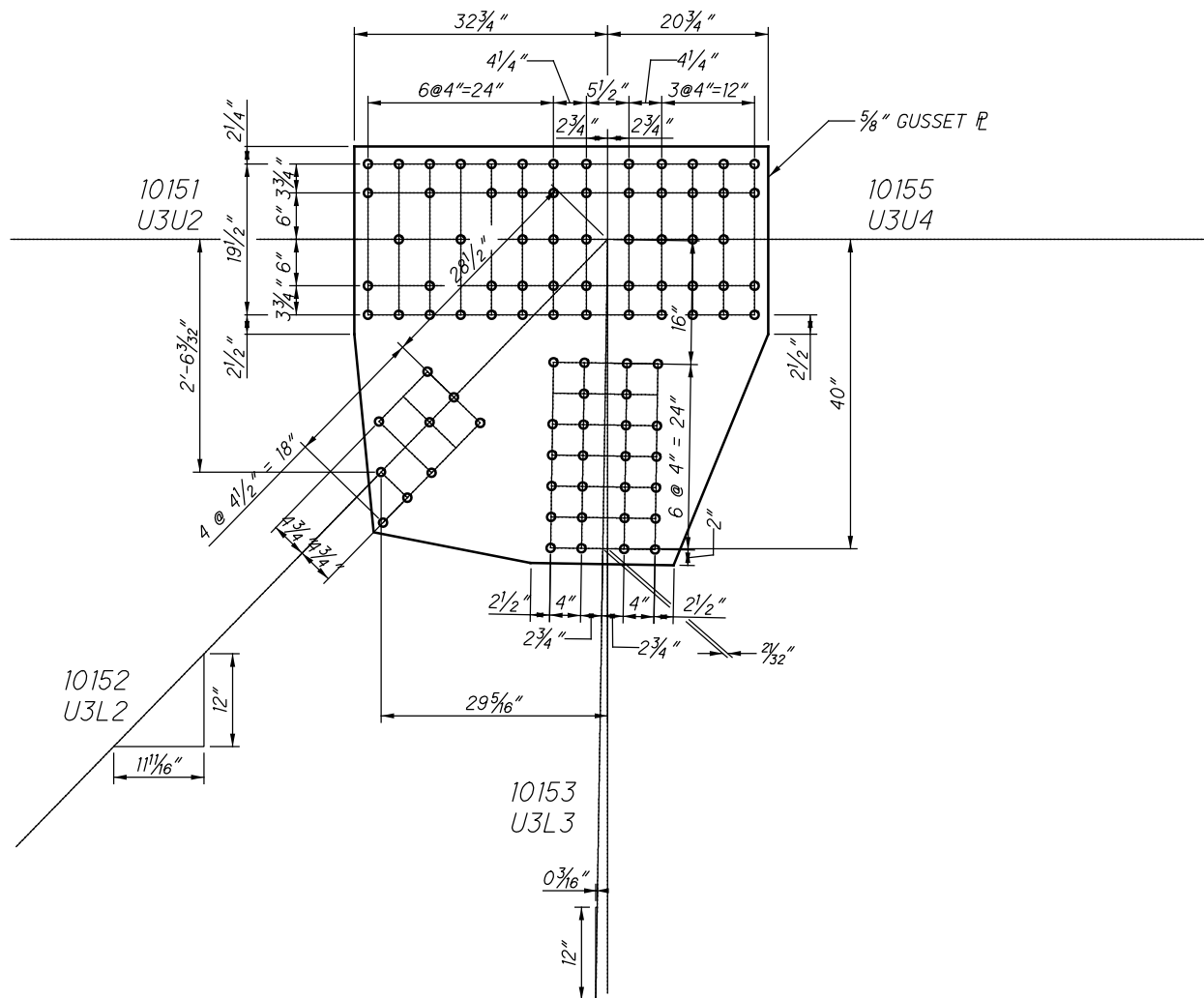
**U14 INSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



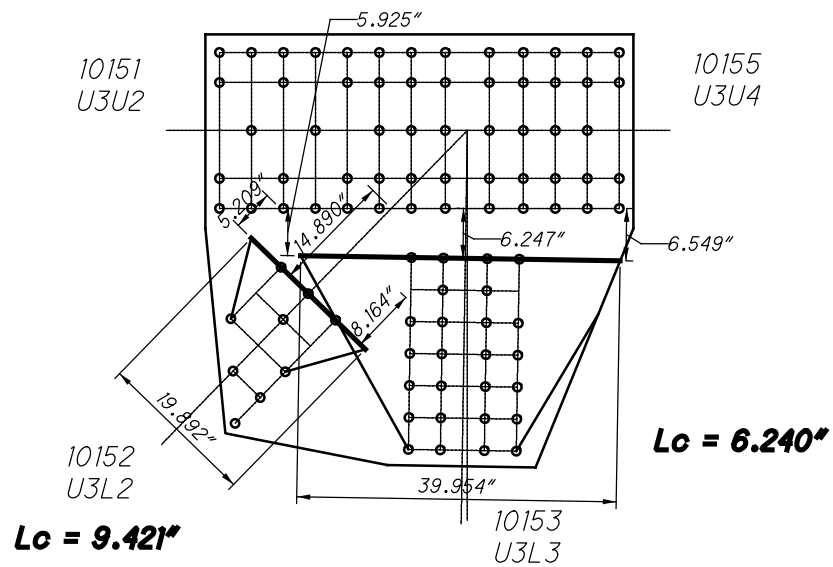
**U14 INSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



**U14 INSIDE (SPAN 7)
QUADRANT DIMENSIONS**

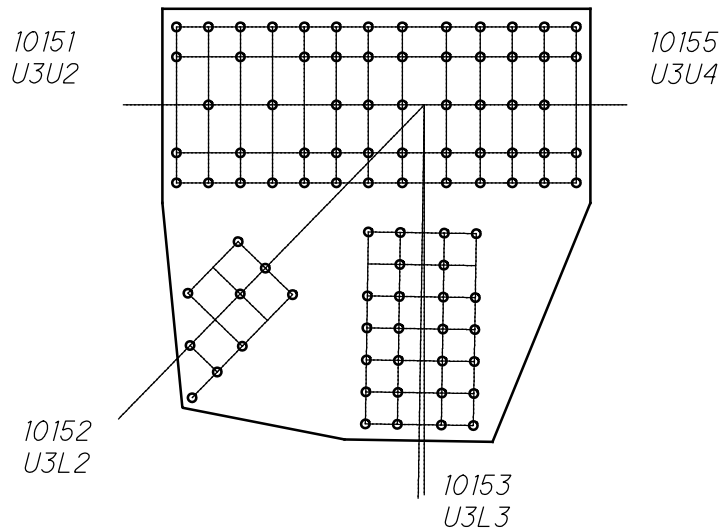


**U15 INSIDE (SPAN 7)
(OUTSIDE SAME)
(NEAR AND FAR SIDE)**

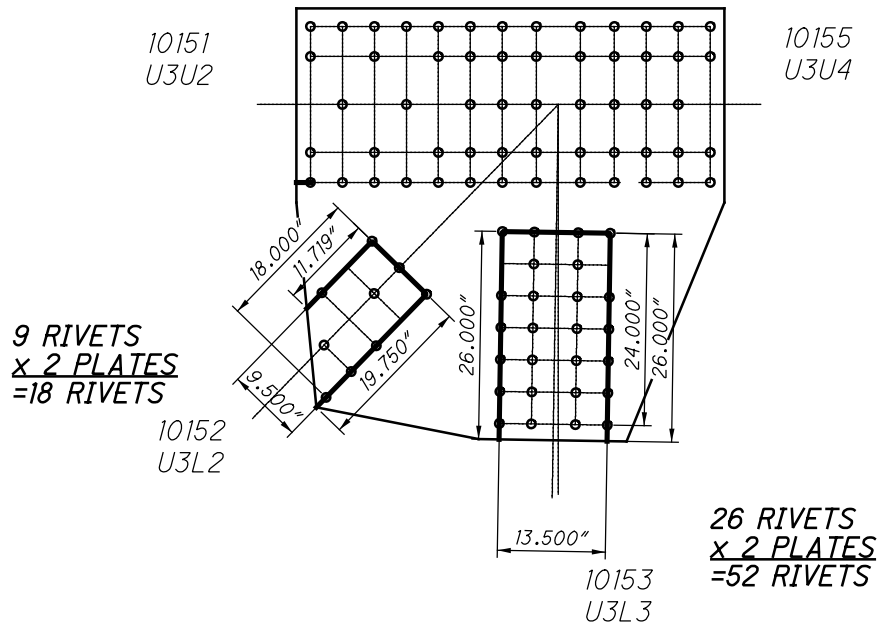


**U15 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

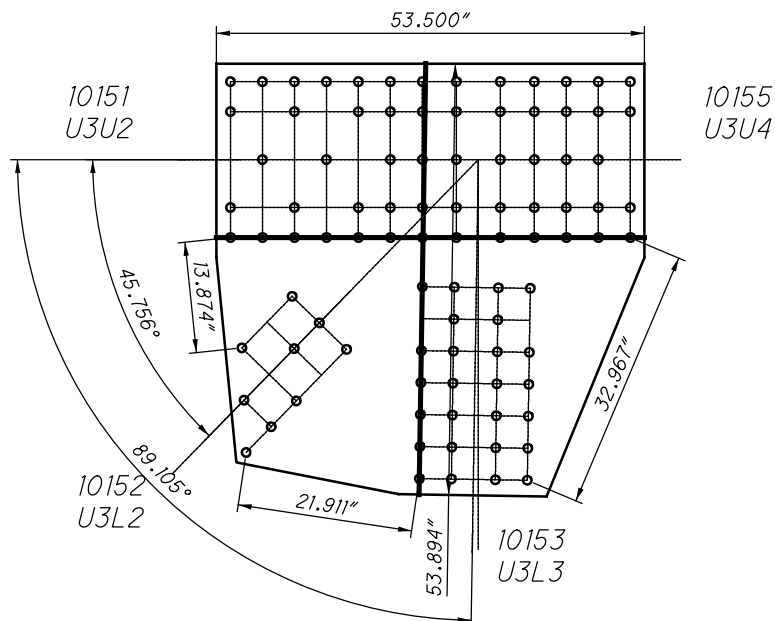
CHORD IS CONTINUOUS



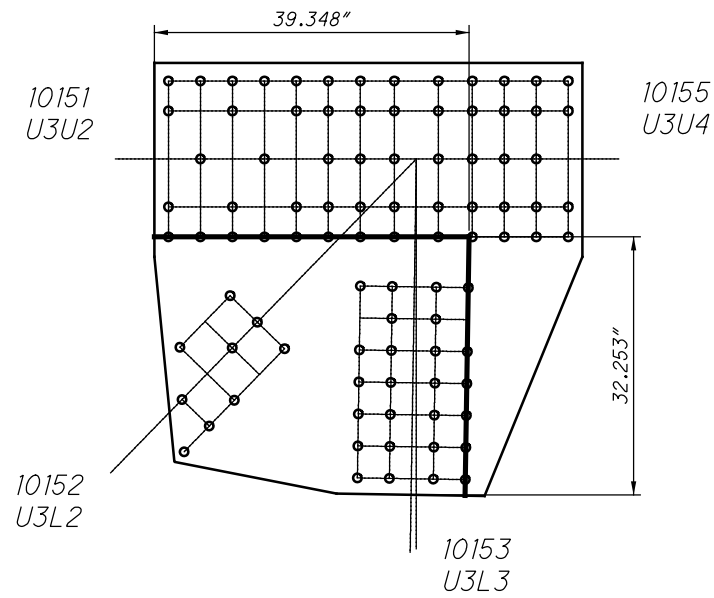
**U15 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



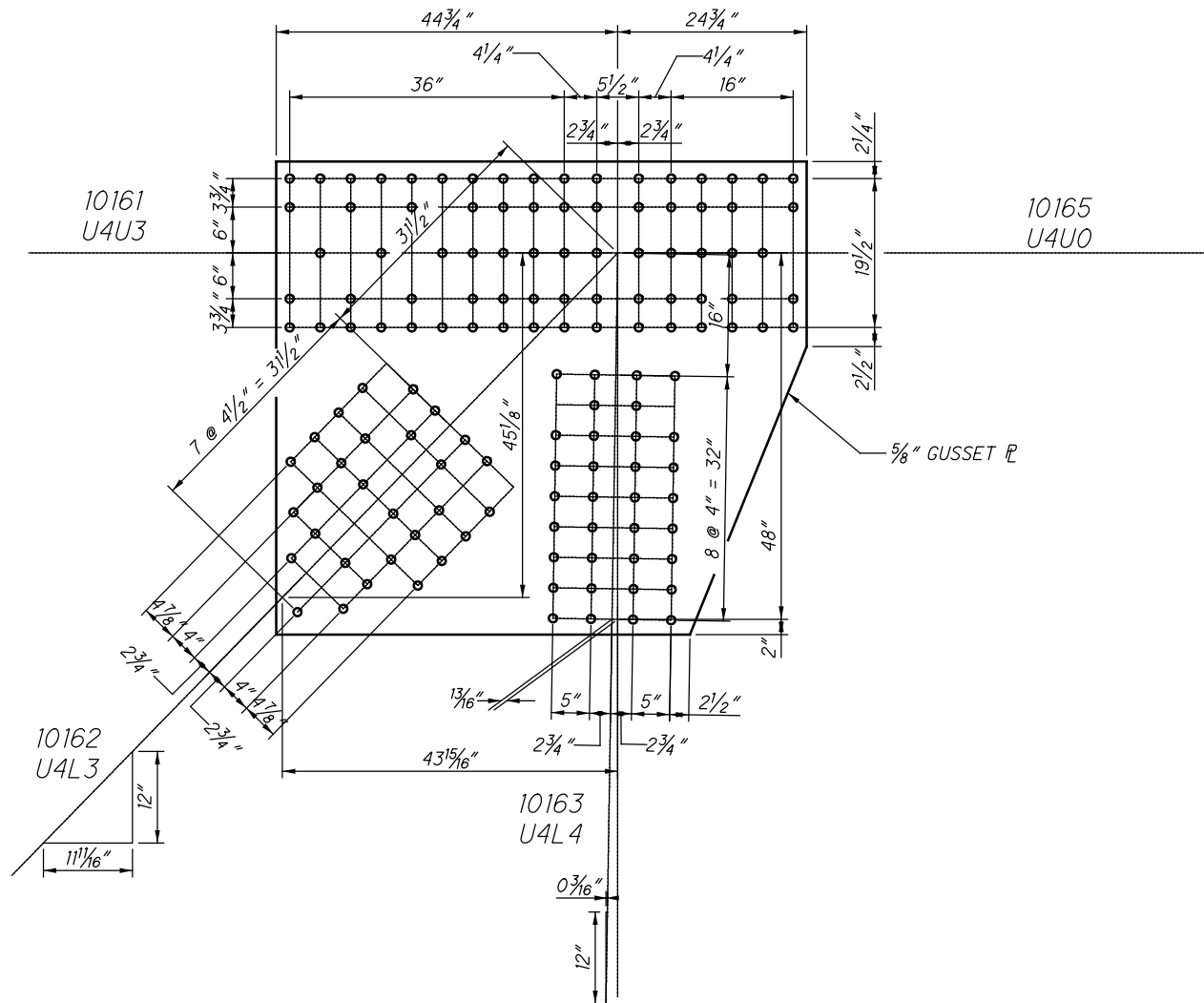
**U15 INSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

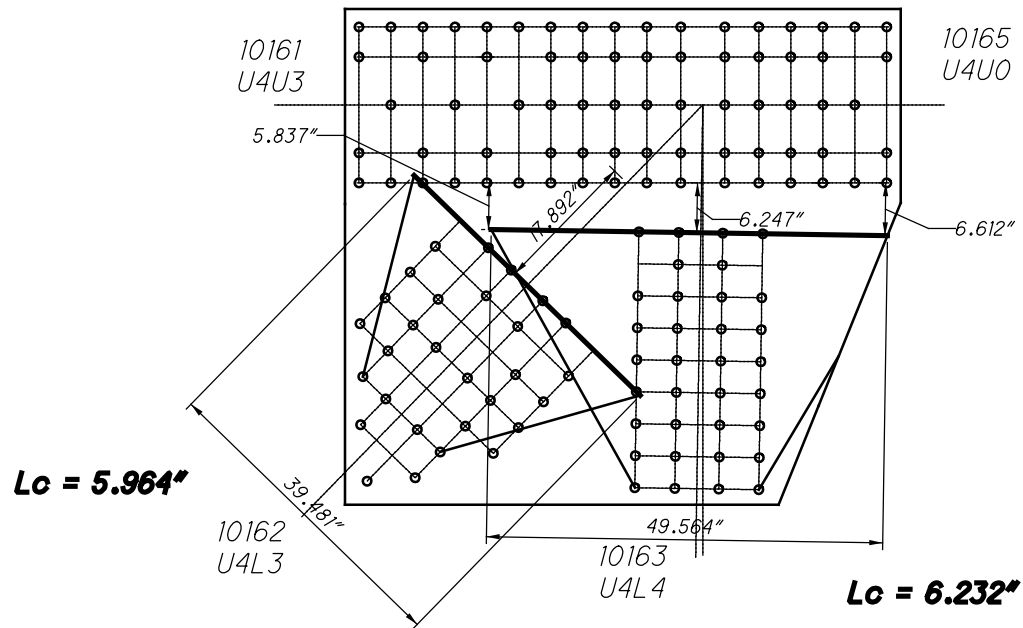


**U15 INSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**

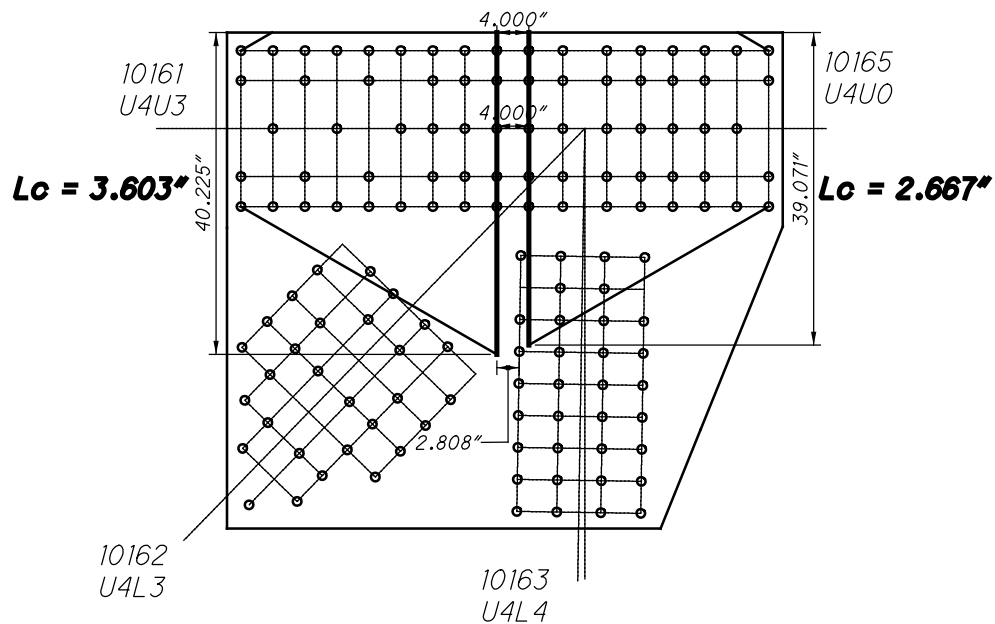


**U15 INSIDE (SPAN 7)
QUADRANT DIMENSIONS**



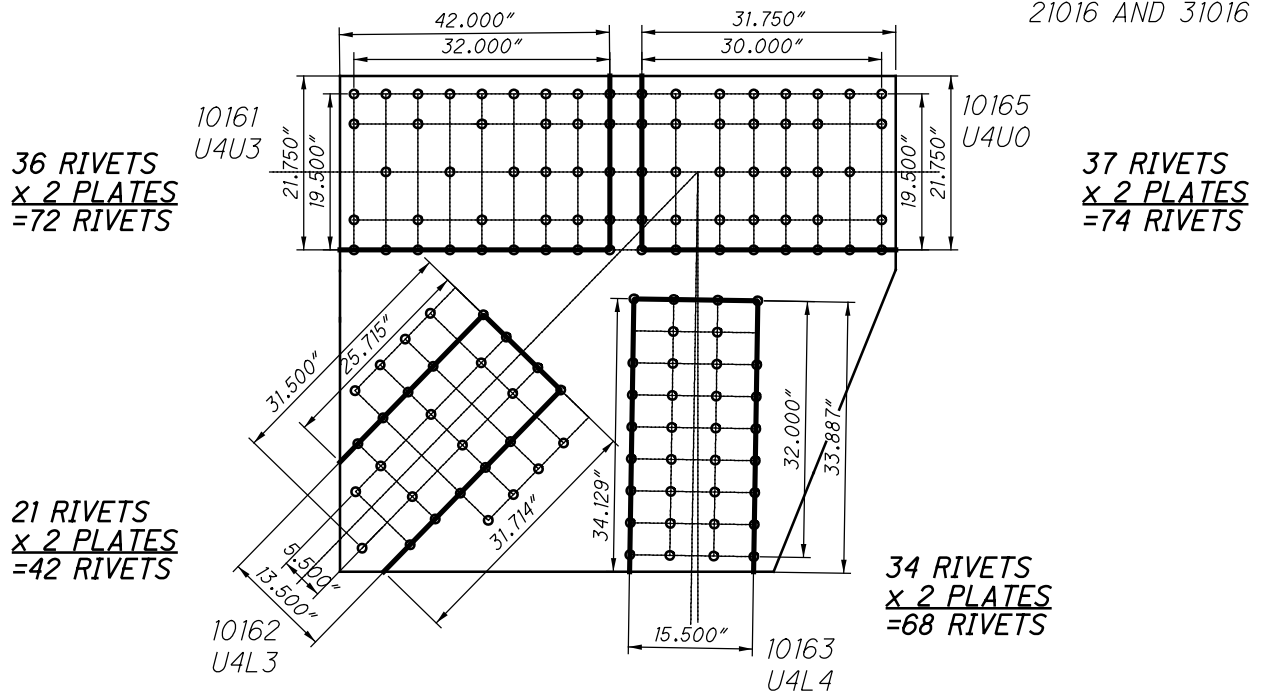


**U16 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

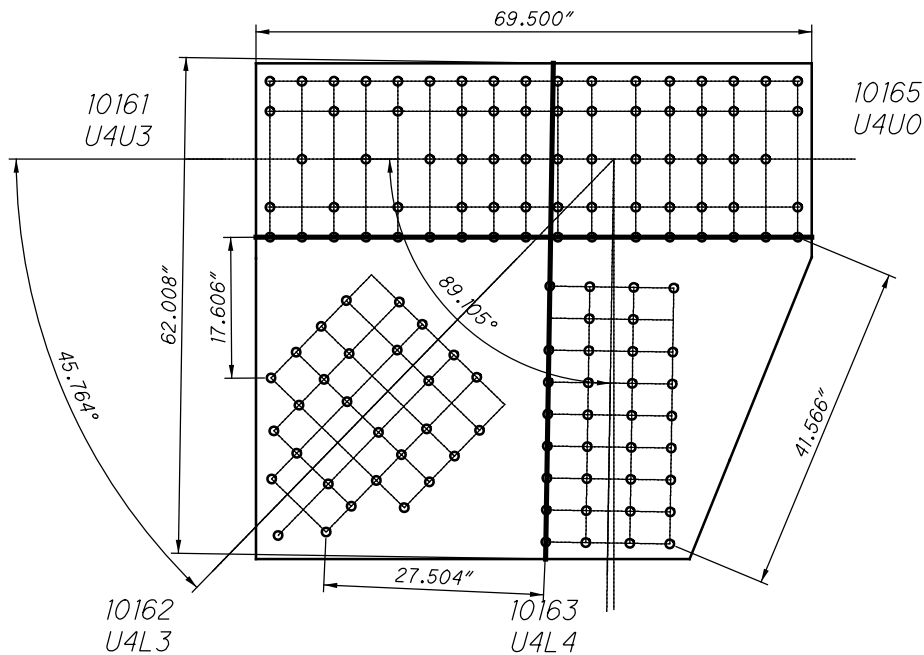


**U16 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

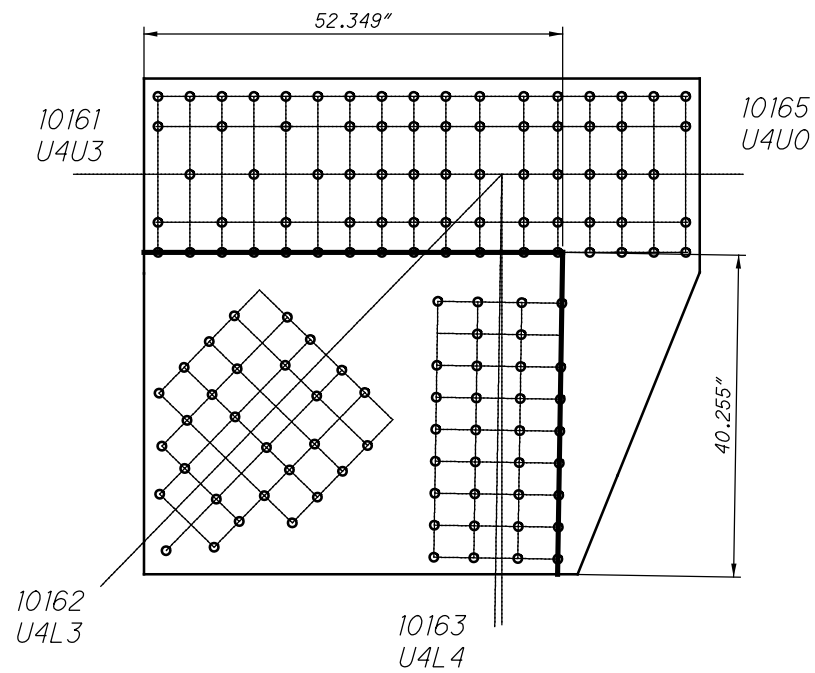
21016 AND 31016



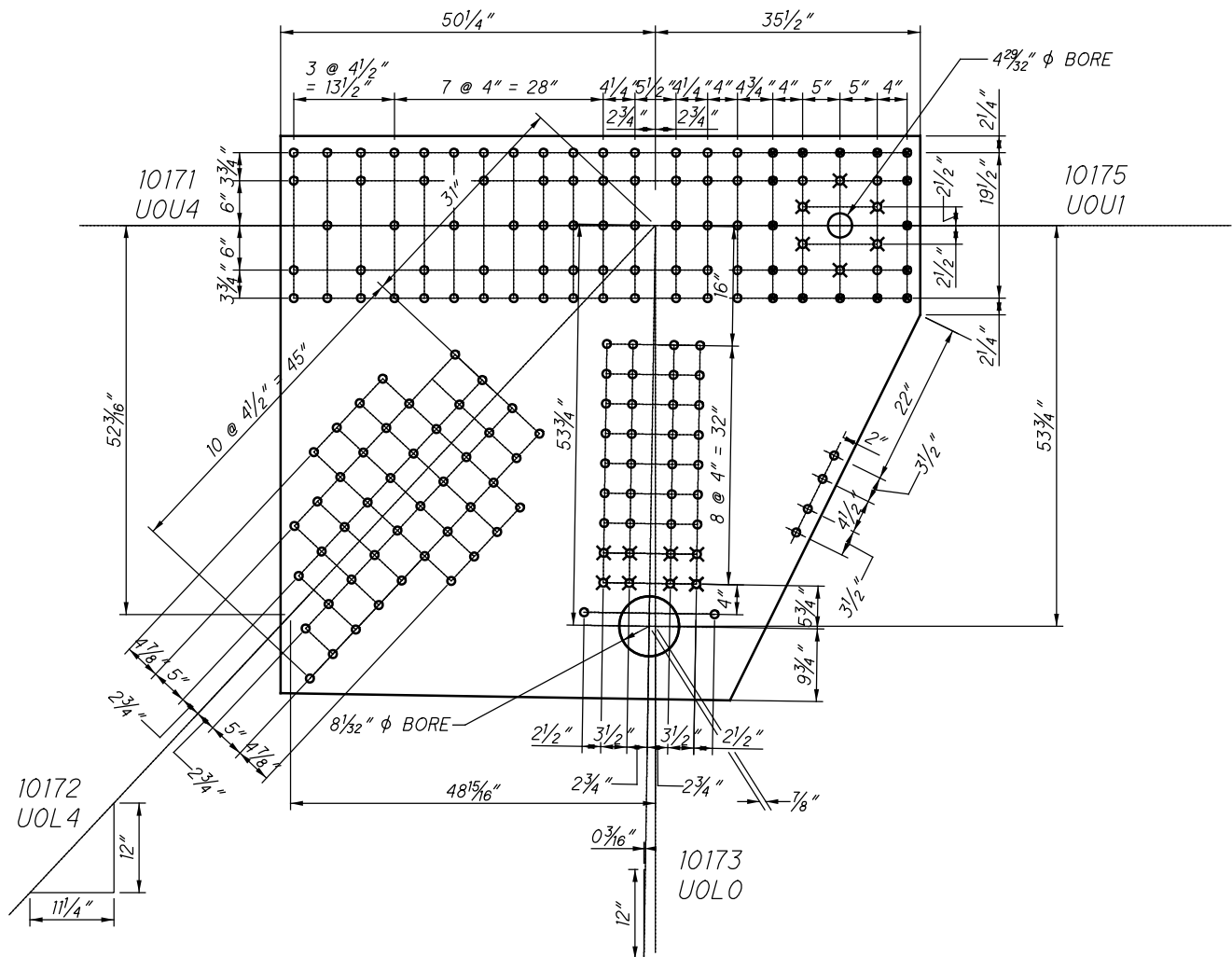
**U16 INSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



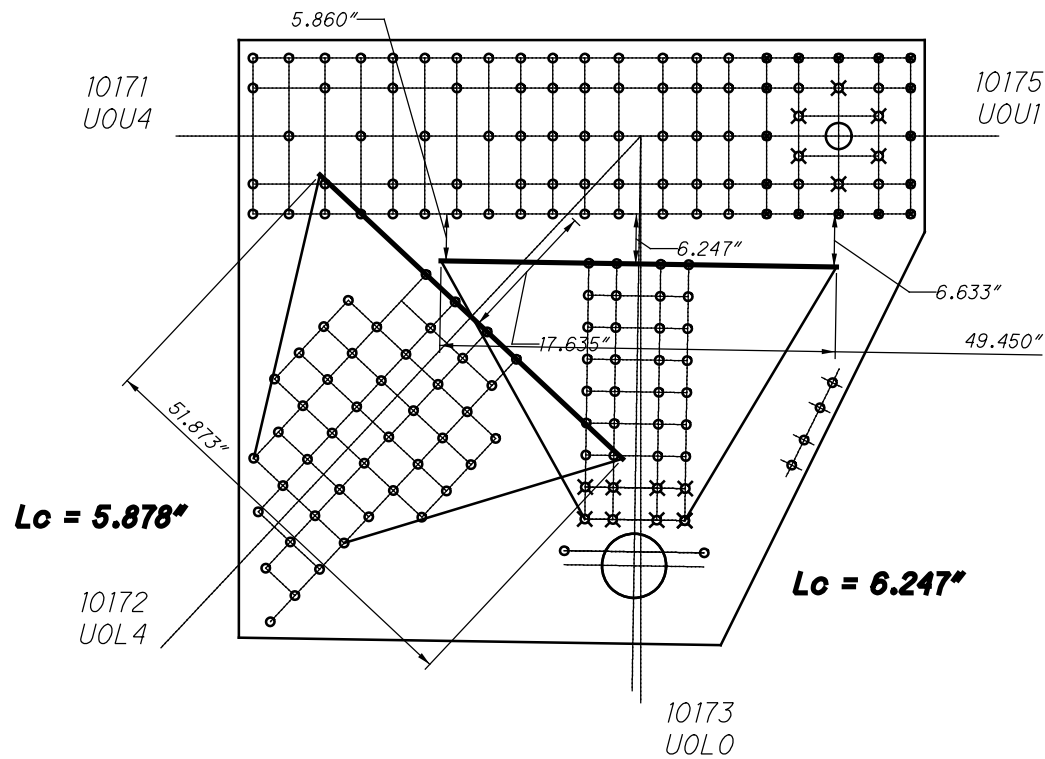
**U16 INSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



**U16 INSIDE (SPAN 7)
QUADRANT DIMENSIONS**

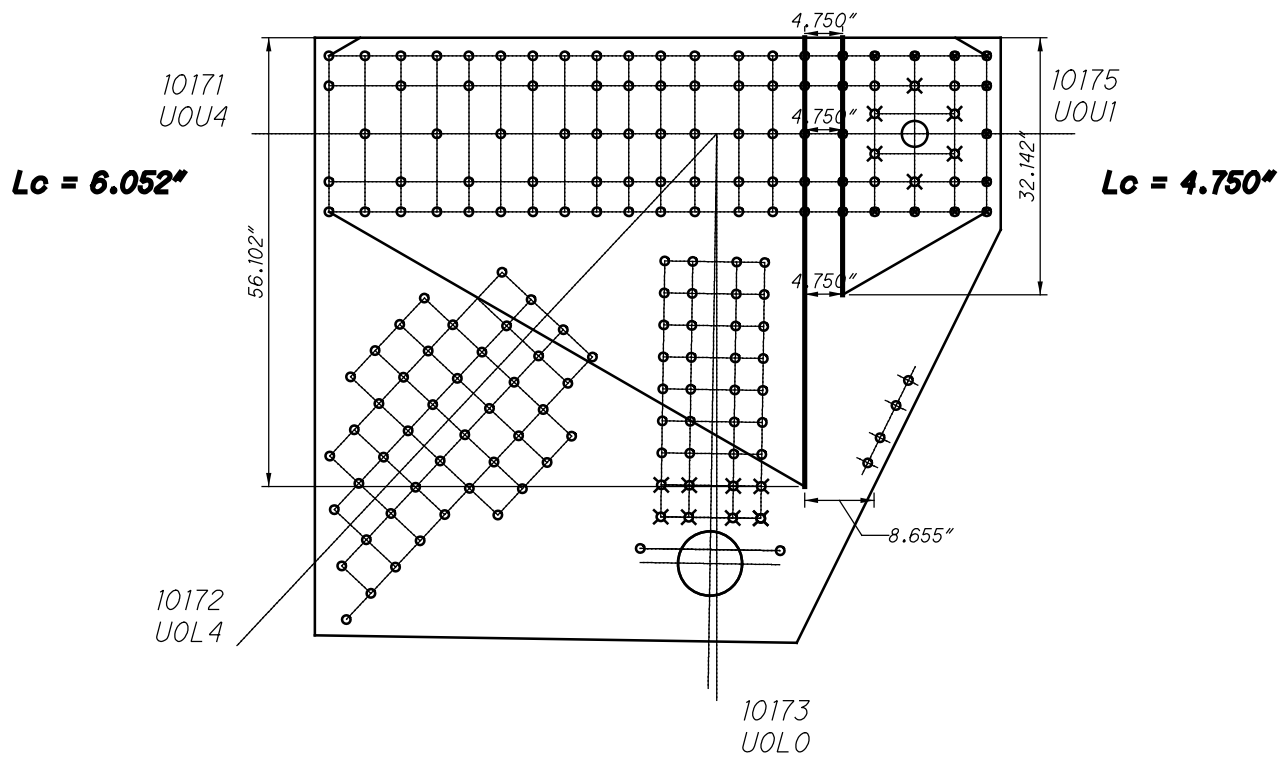


**U17 INSIDE (SPAN 7)
(NEAR AND FAR SIDE)**

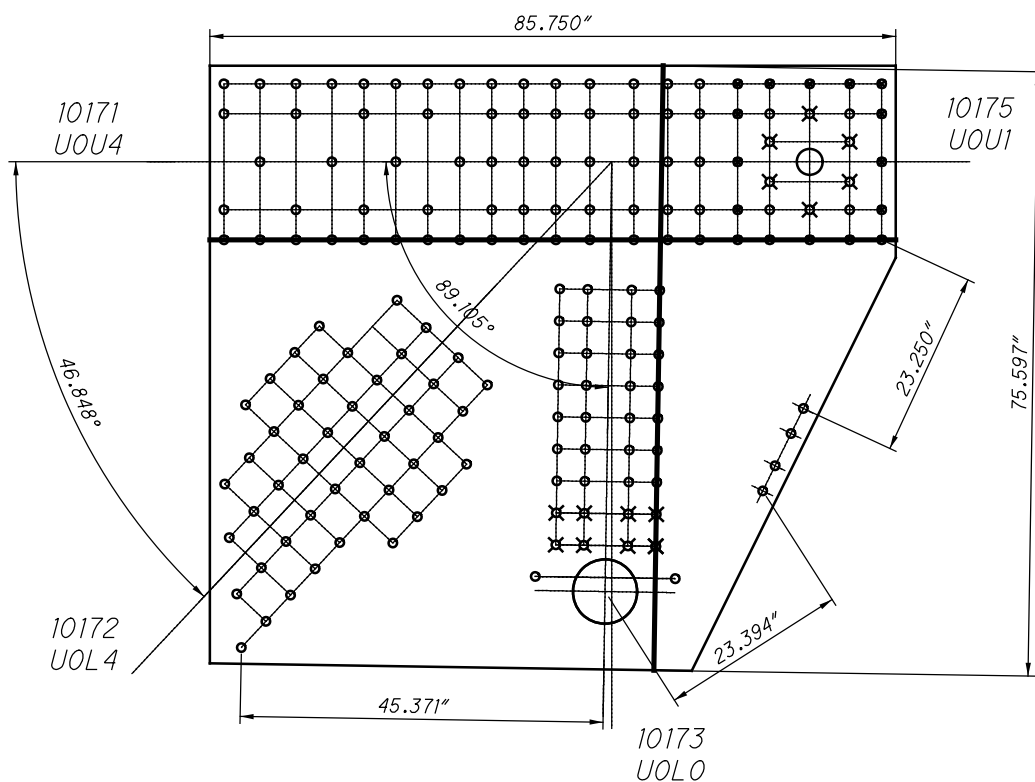
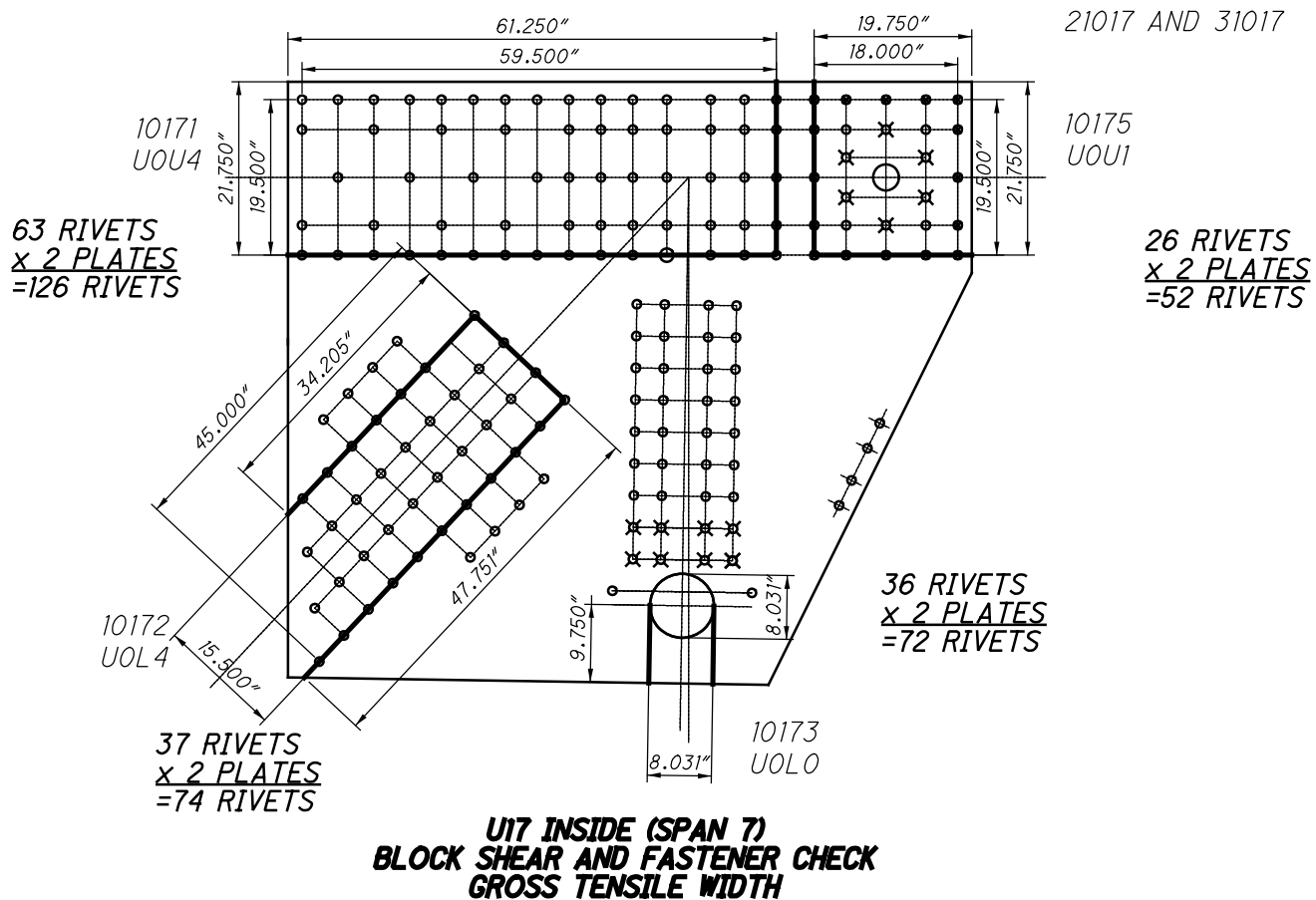


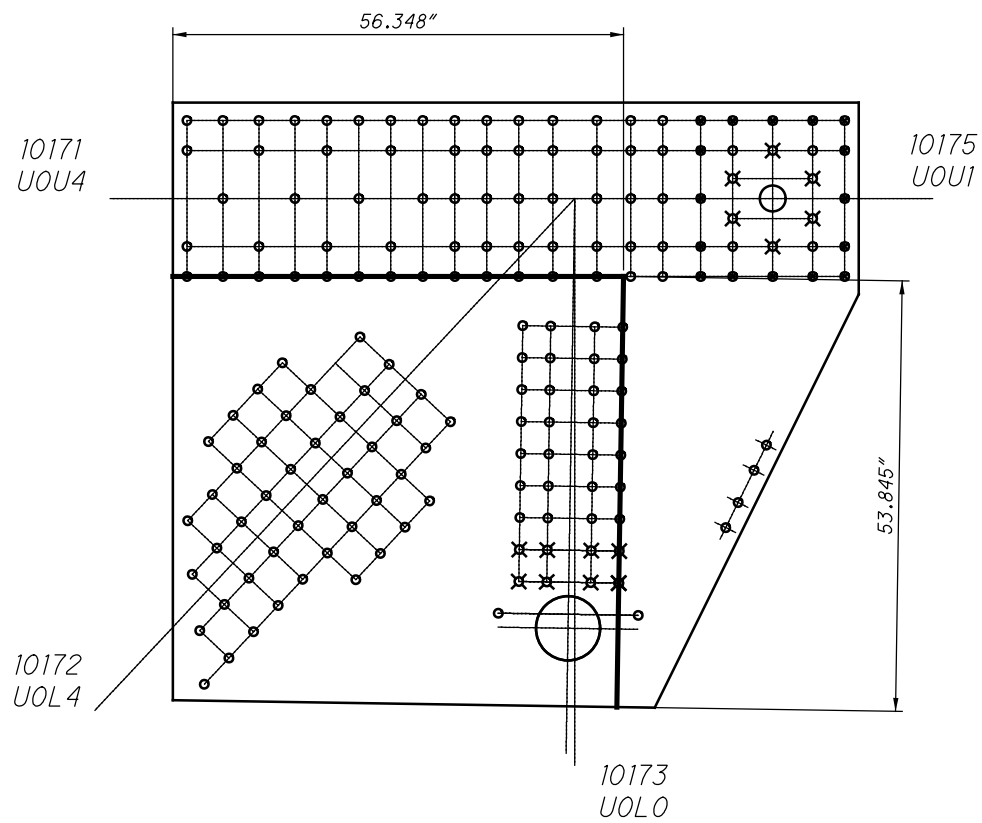
**U17 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

check

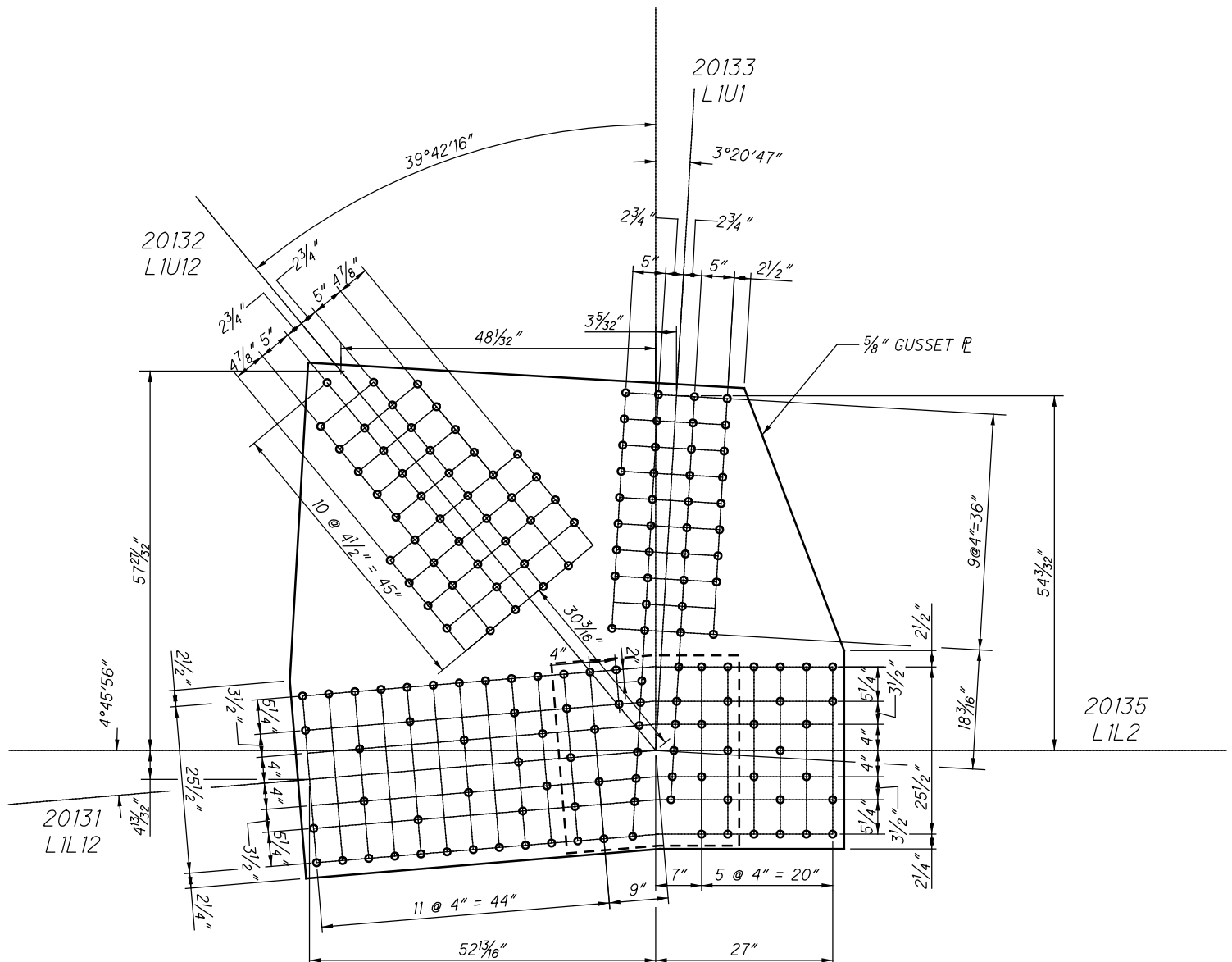


**U17 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**





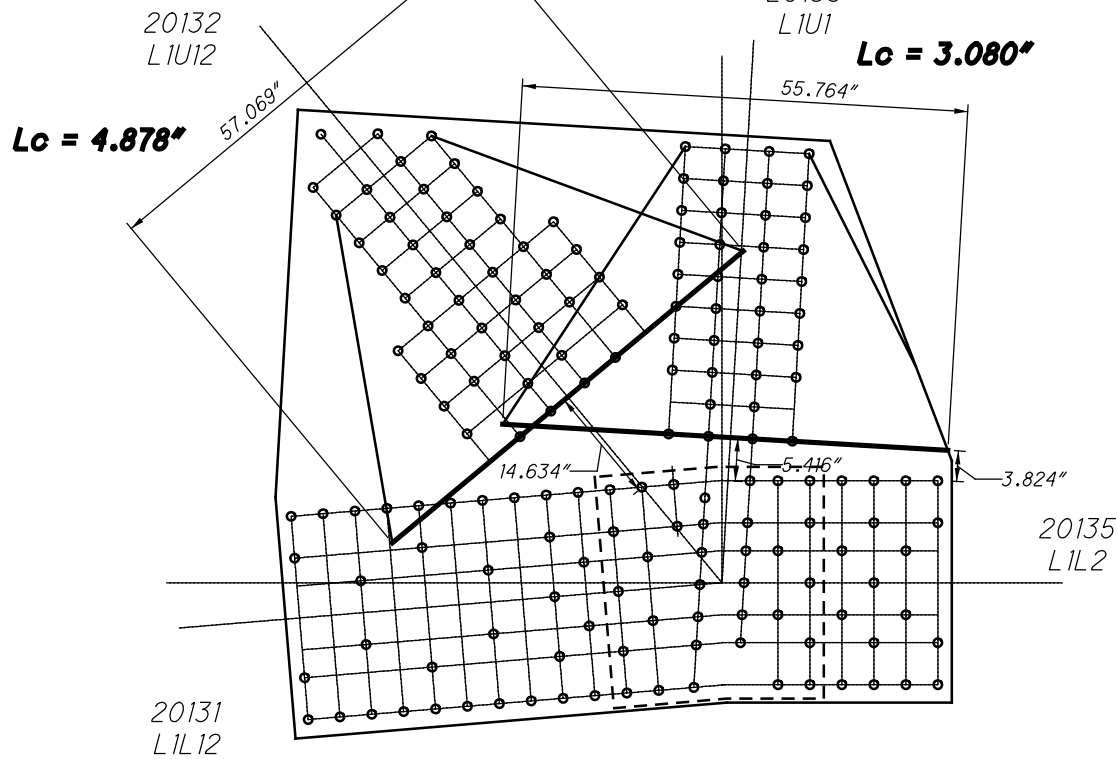
**U17 INSIDE (SPAN 7)
QUADRANT DIMENSIONS**



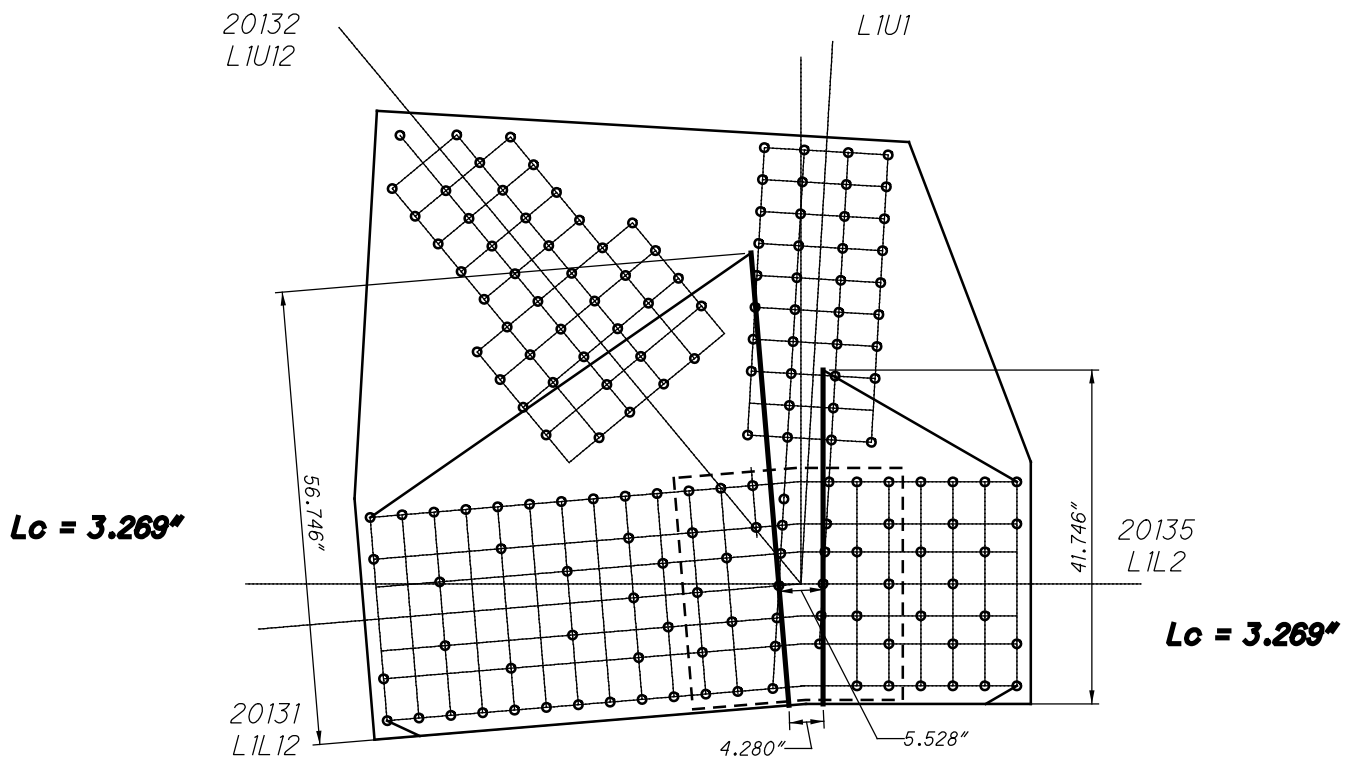
SPLICE PLATE
30" X 3/8" X 2'-5"

**L13 INSIDE (SPAN 7)
(NEAR AND FAR SIDE)**

22013 AND 32013

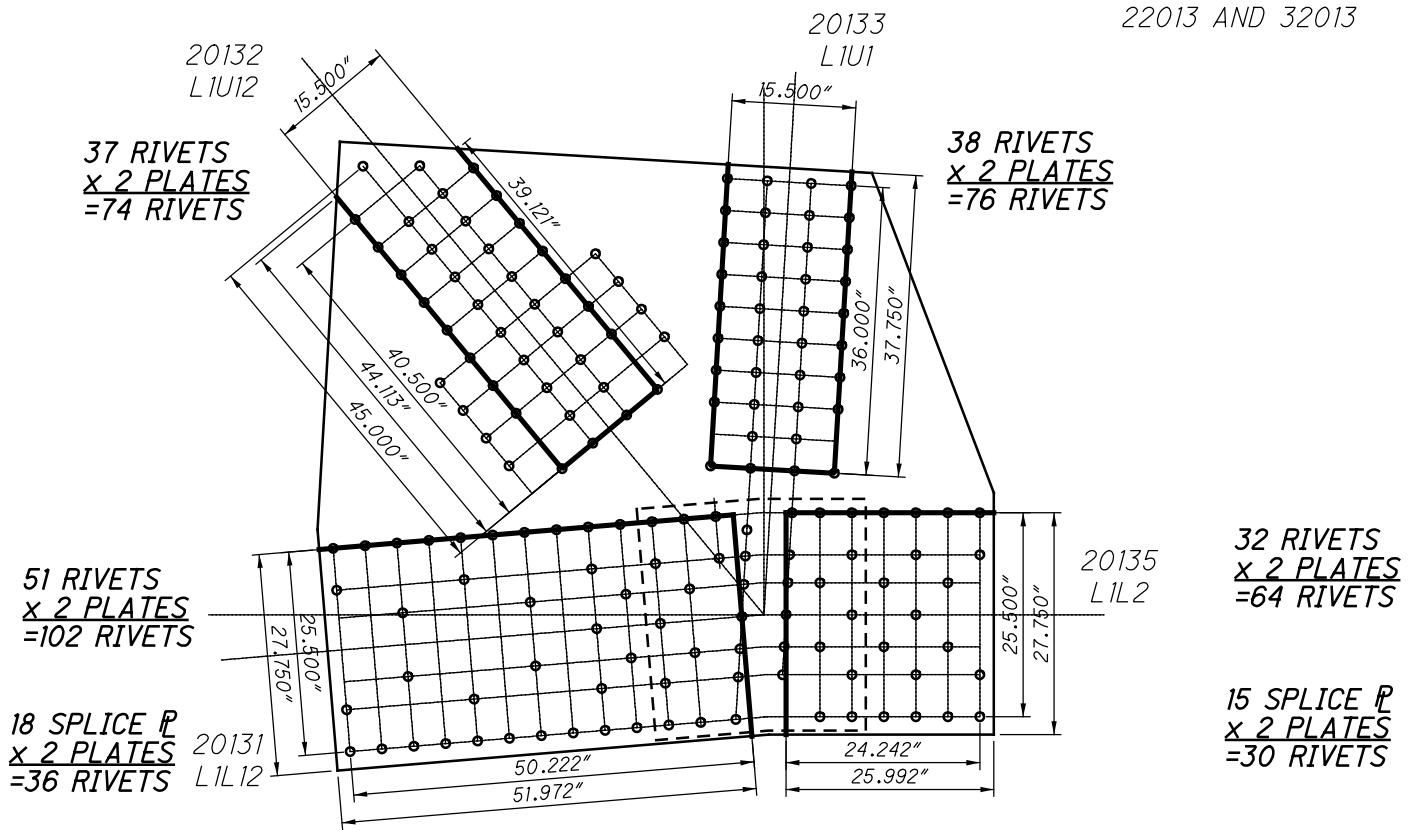


**L13 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

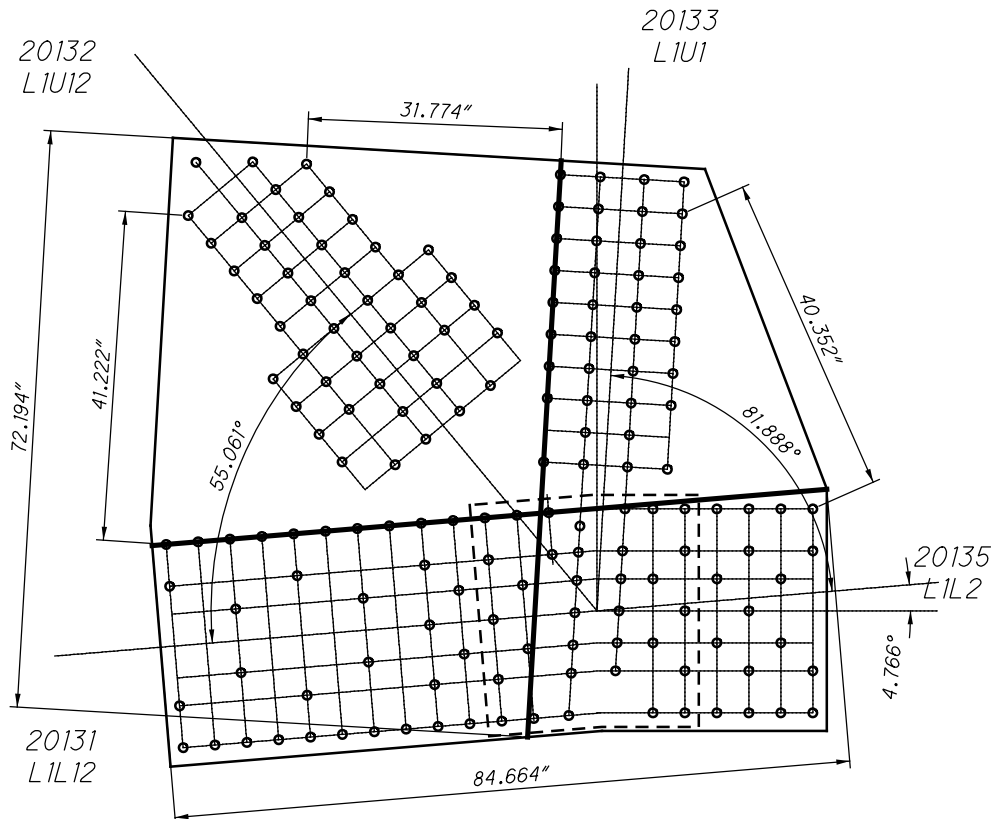


**L13 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

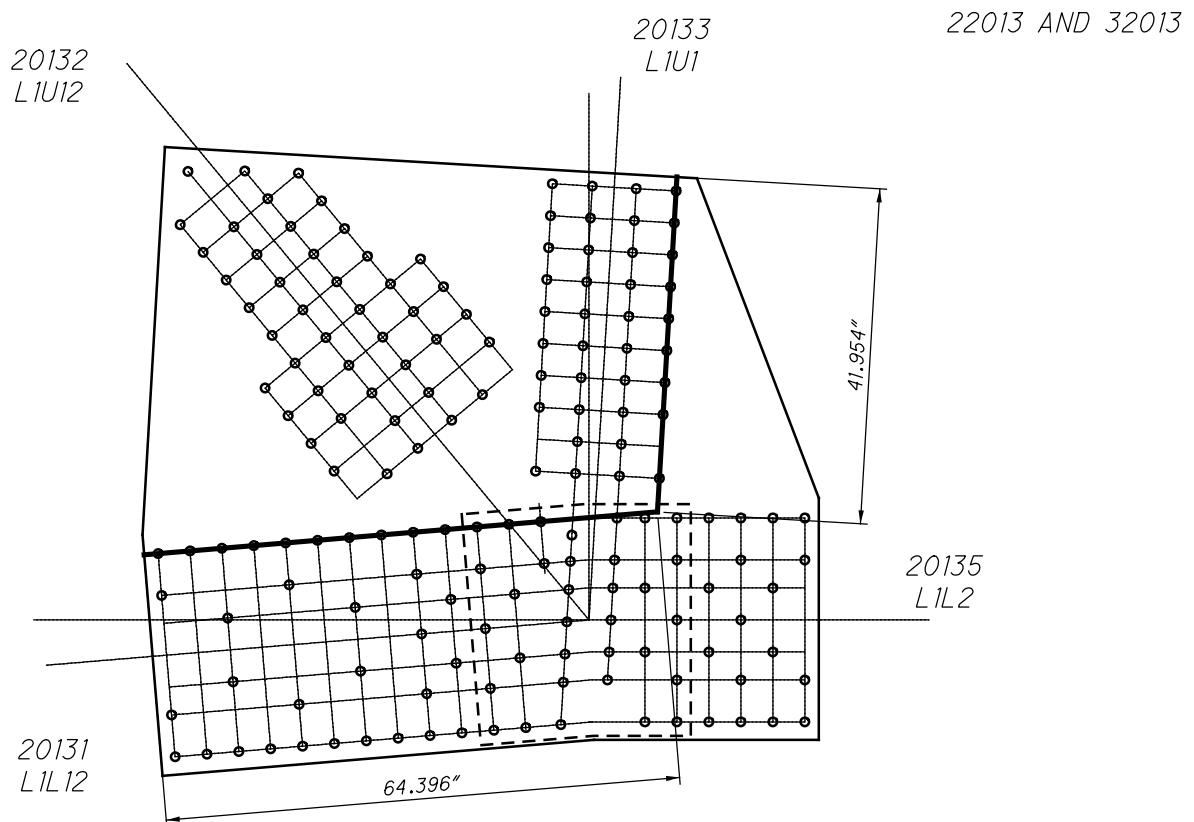
22013 AND 32013



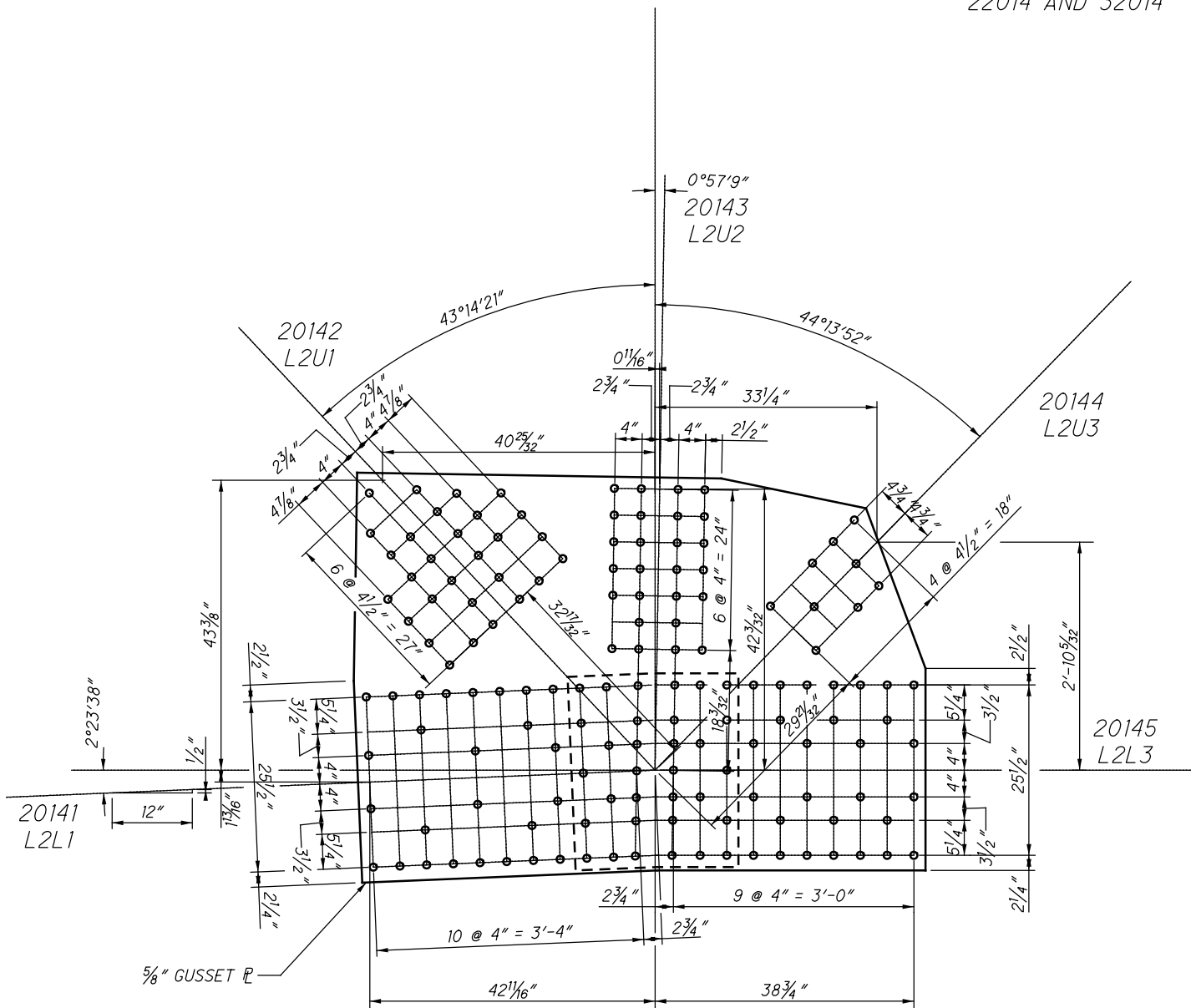
**L13 INSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



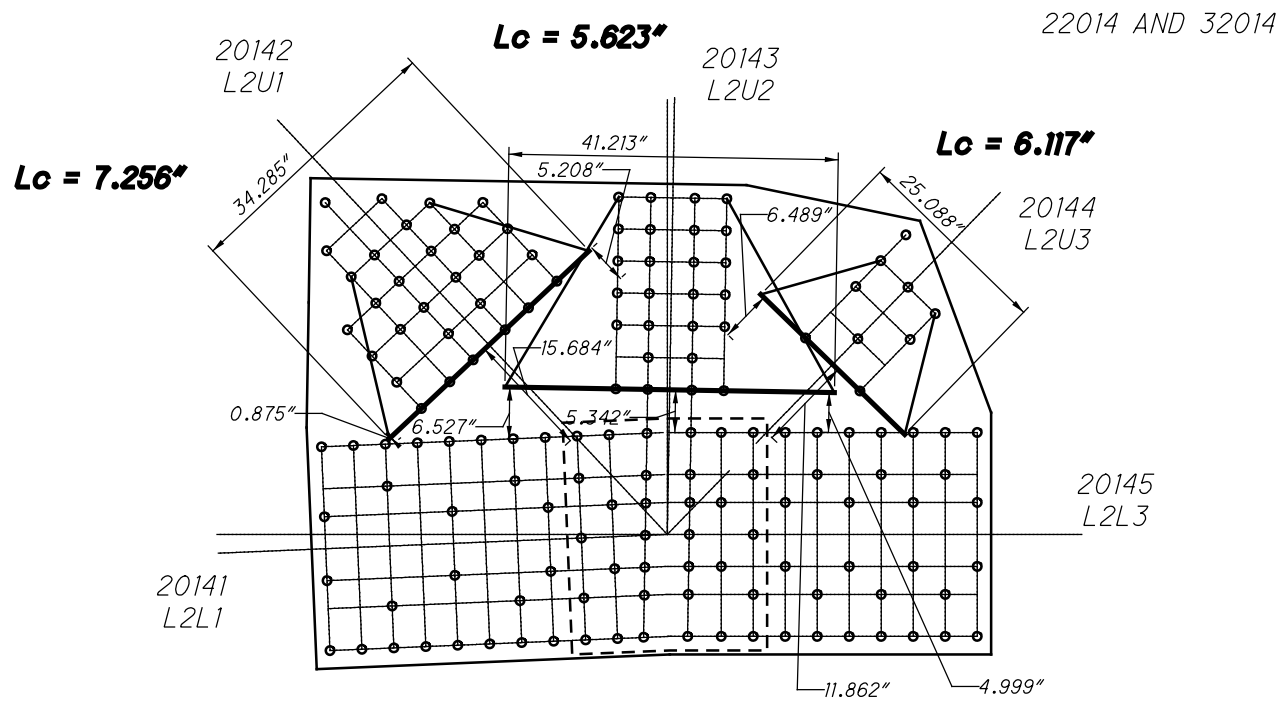
**L13 INSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



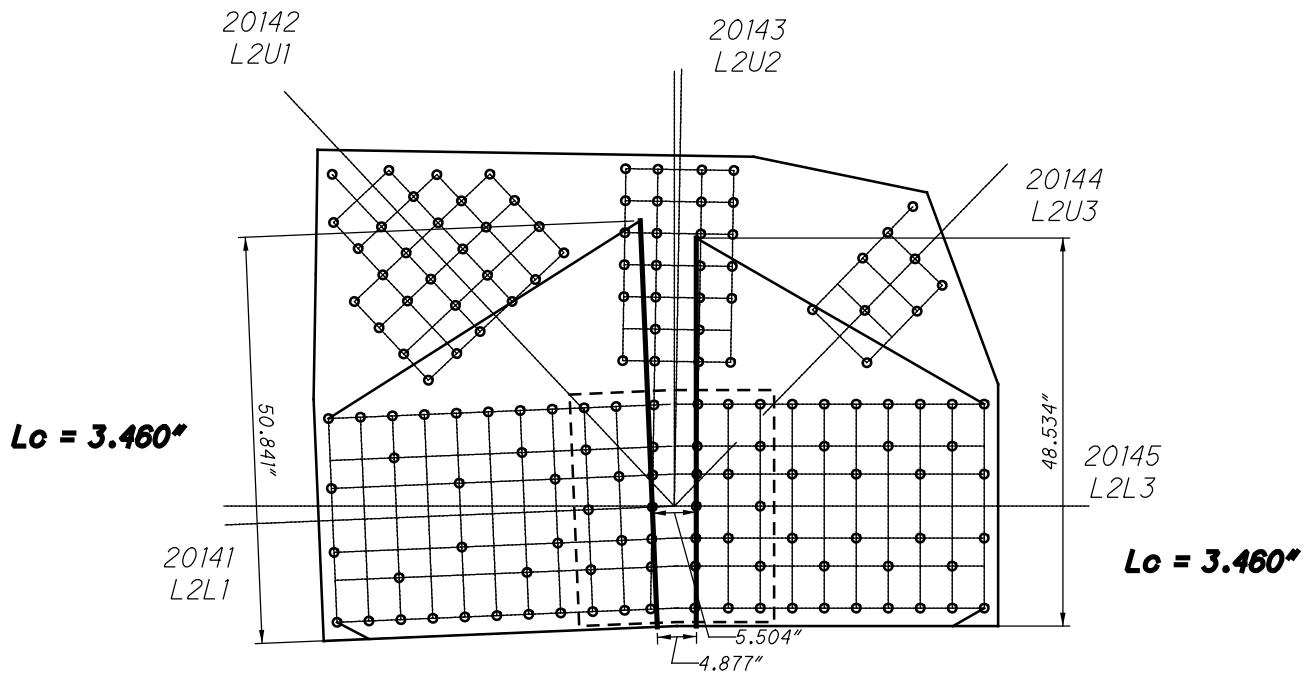
**L13 INSIDE (SPAN 7)
QUADRANT DIMENSIONS**



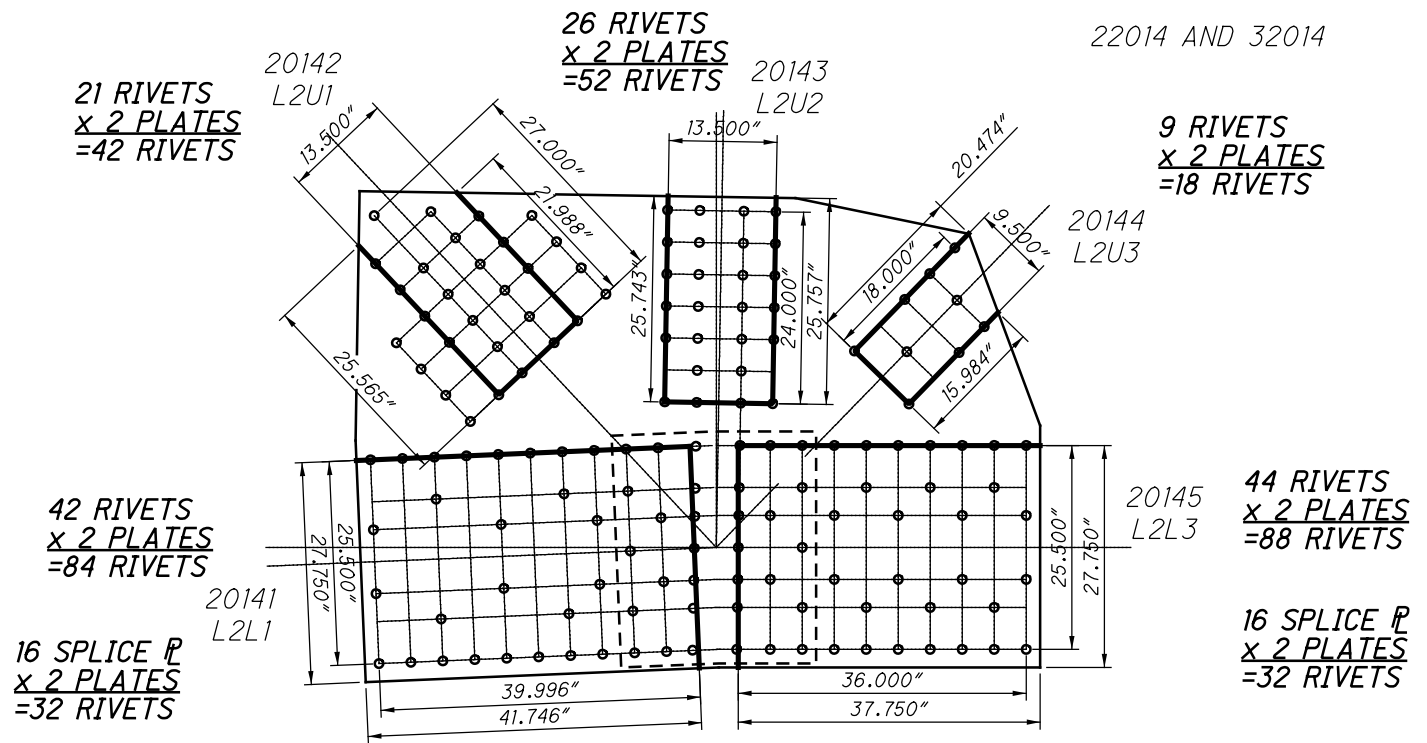
**L14 INSIDE (SPAN 7)
(NEAR AND FAR SIDE)**



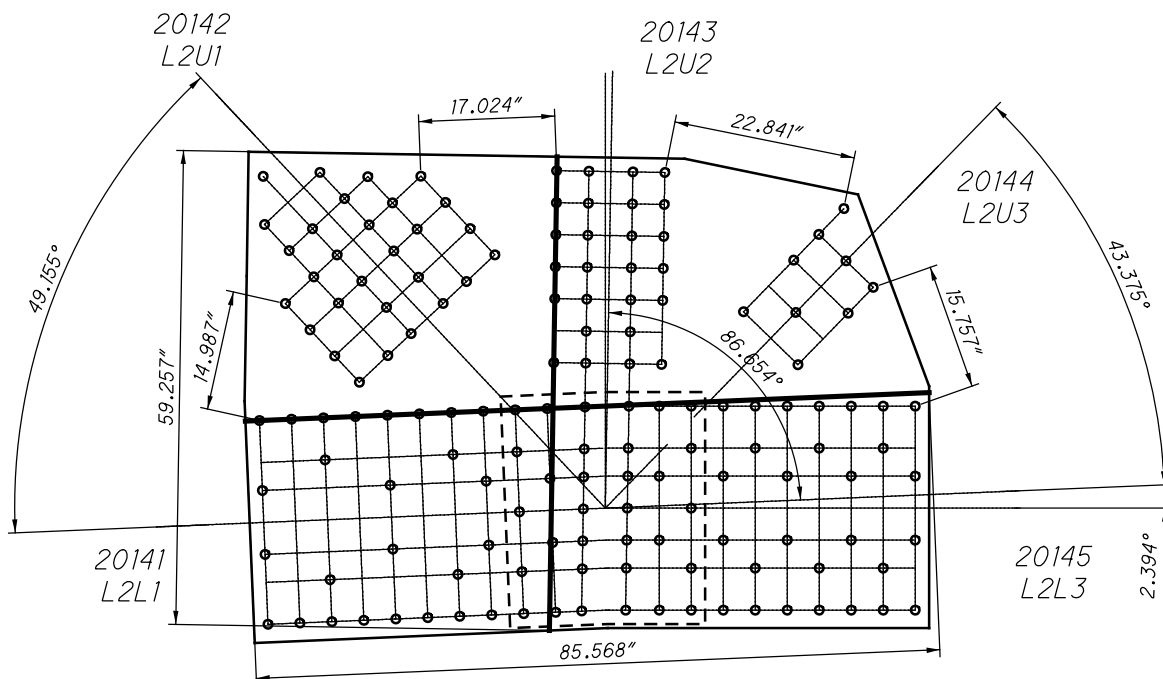
**L14 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



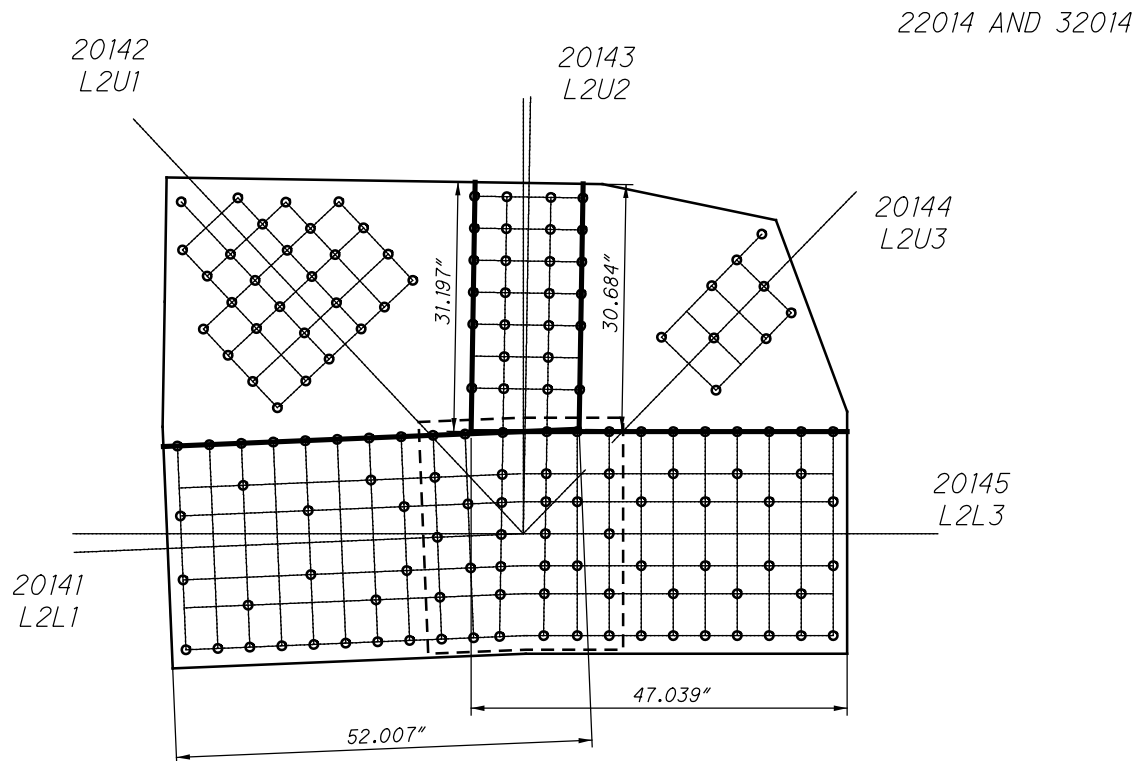
**L14 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



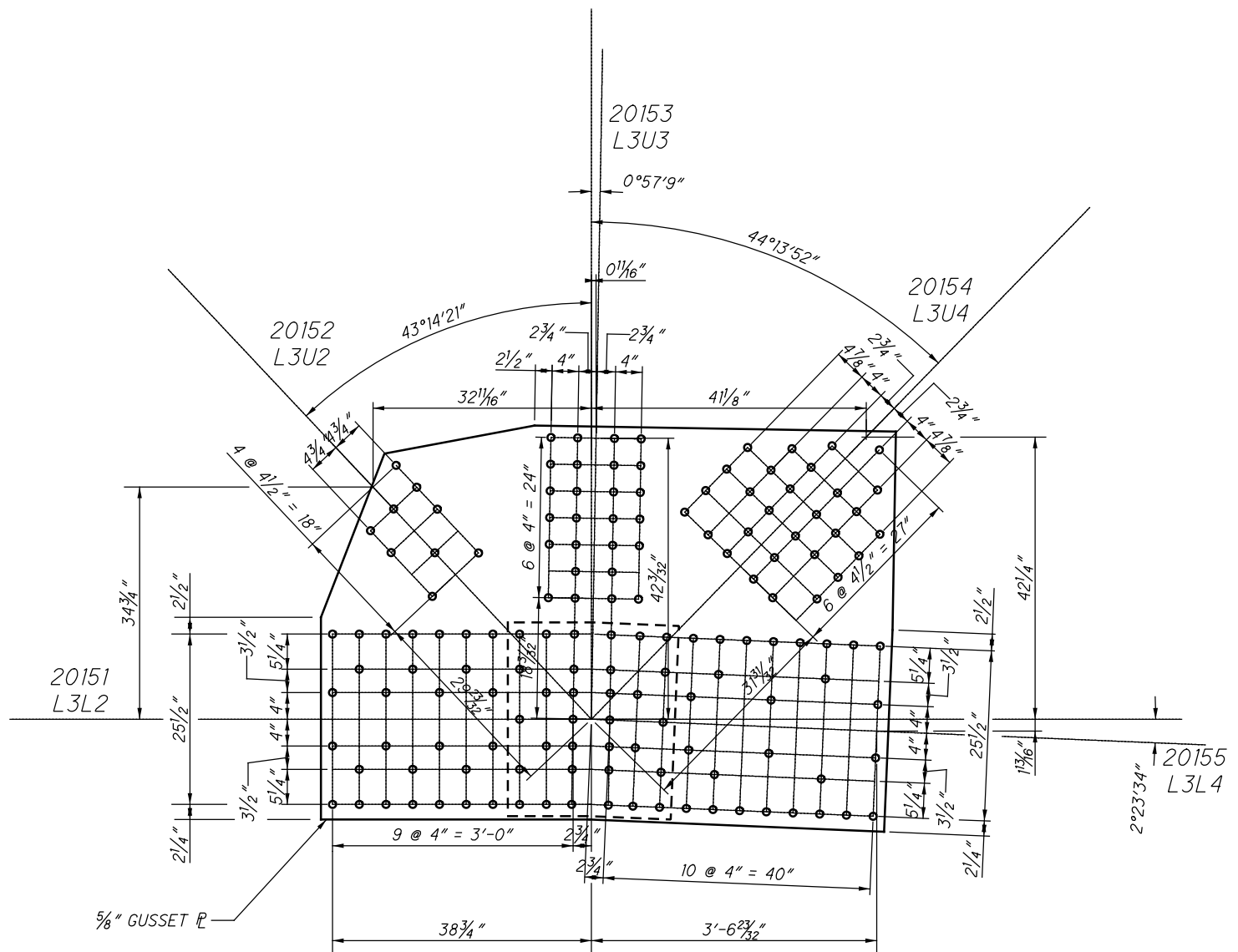
**L14 INSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L14 INSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



**L14 INSIDE (SPAN 7)
QUADRANT DIMENSIONS**



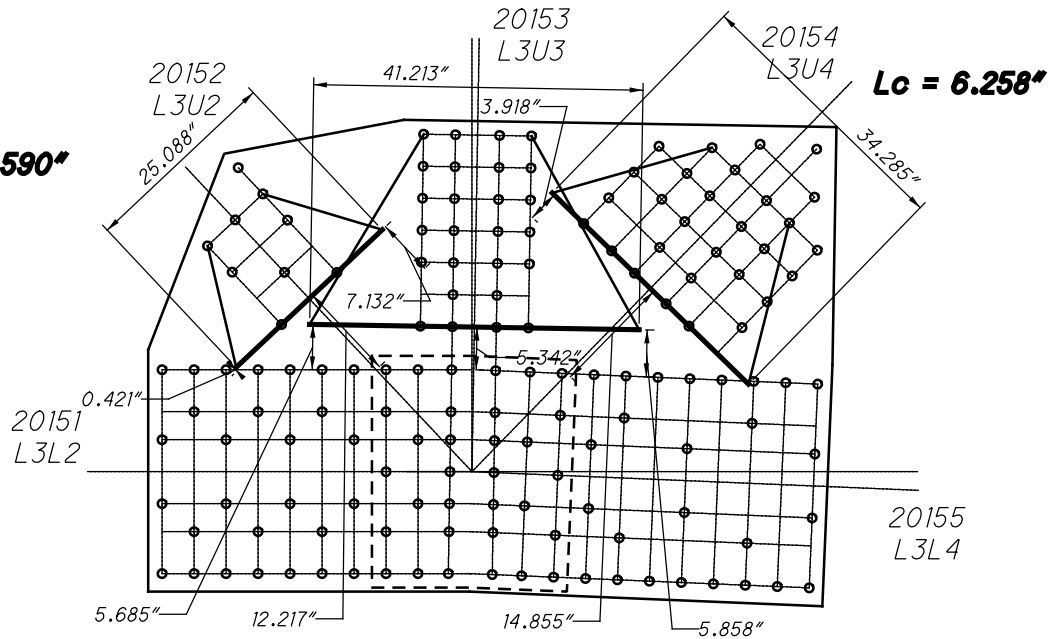
SPLICE PLATE
29" X 3/8" X 2'-15/8"

**L15 INSIDE (SPAN 7)
(NEAR AND FAR SIDE)**

$L_c = 5.628''$

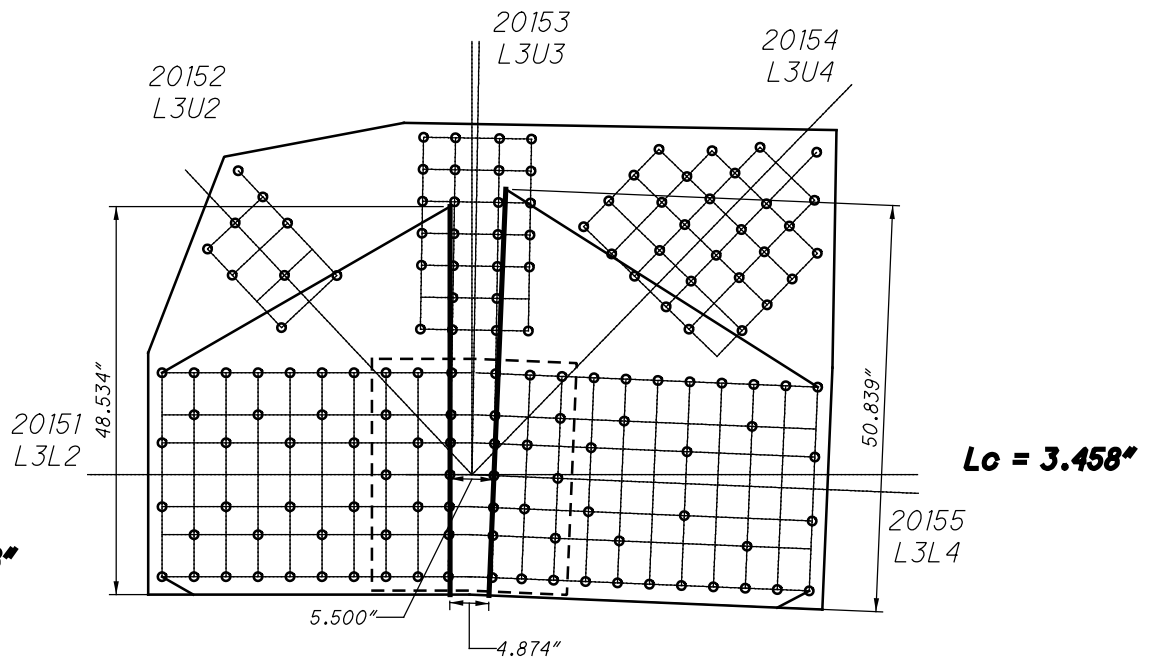
22015 AND 32015

$L_c = 6.590''$

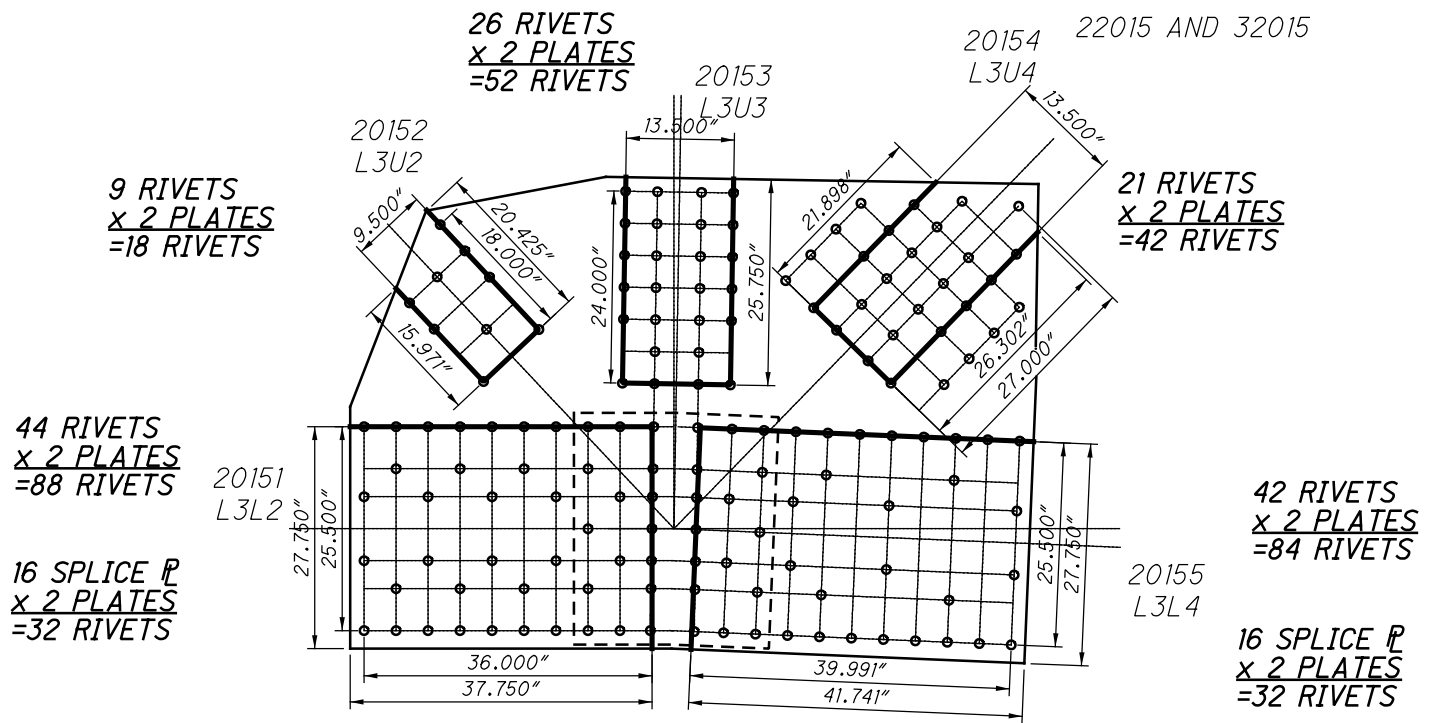


**L15 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

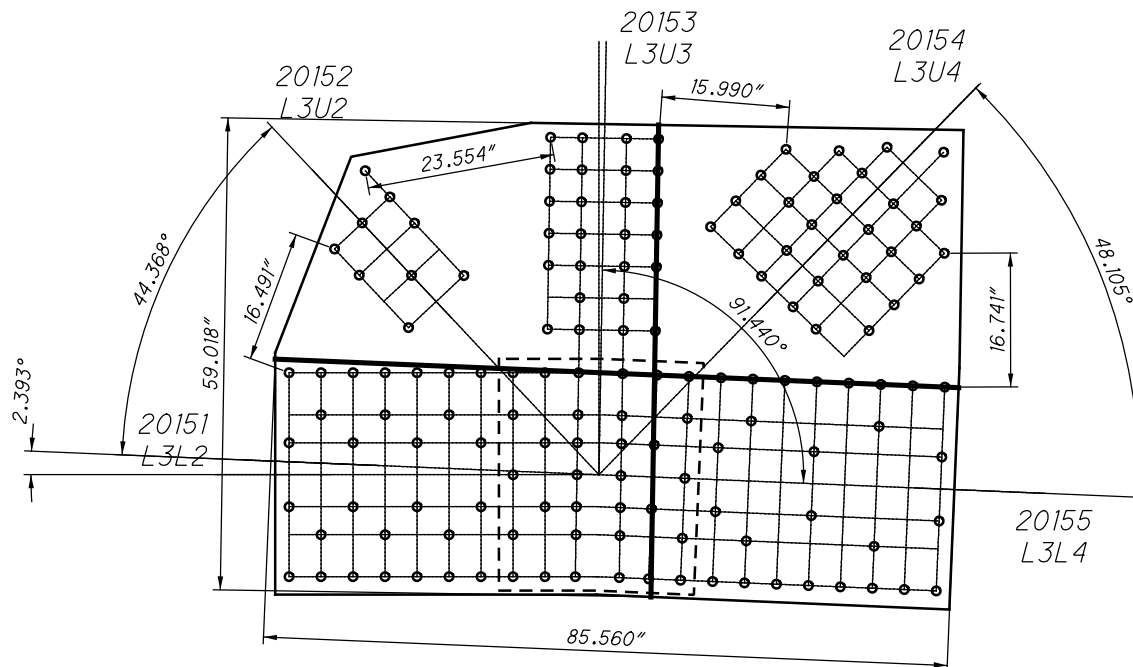
$L_c = 3.458''$



**L15 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

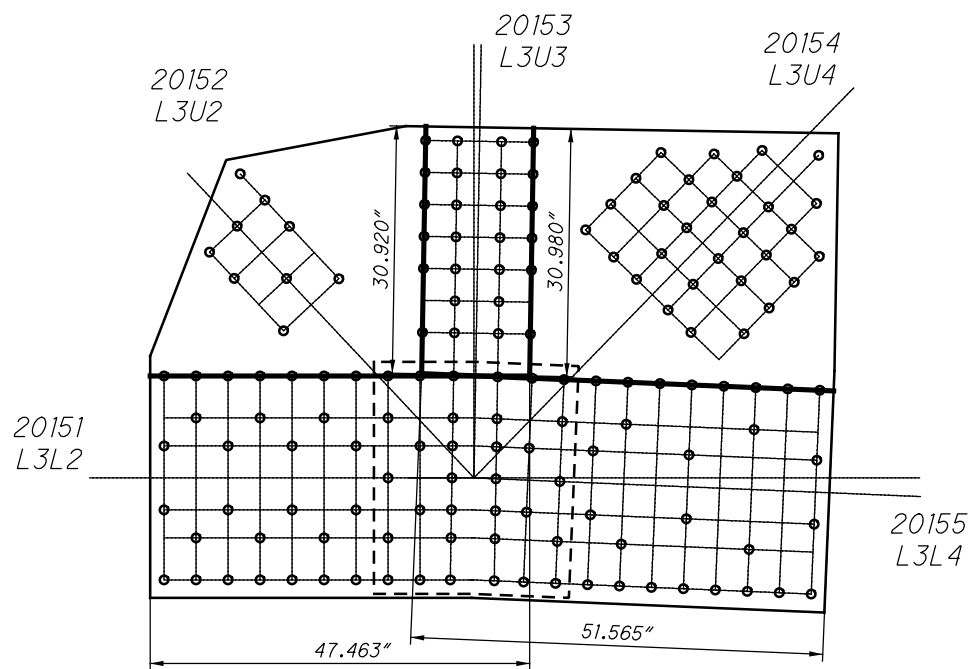


**L15 INSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



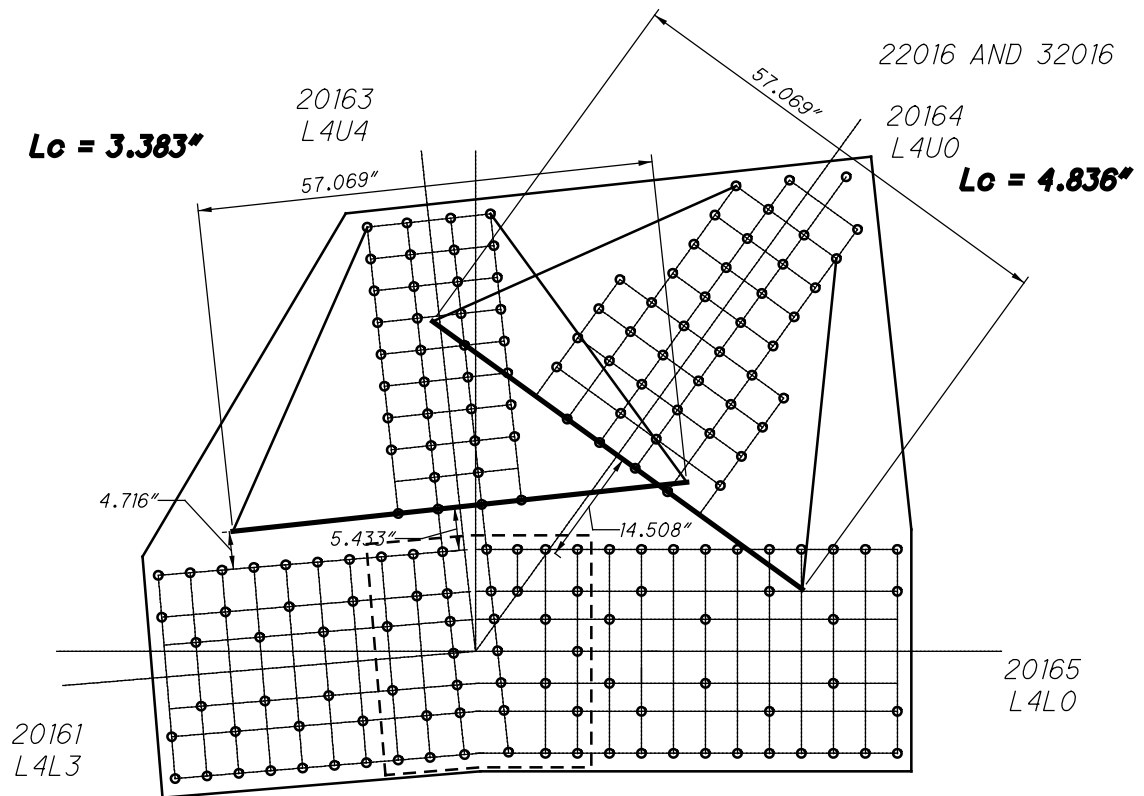
**L15 INSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**

22015 AND 32015

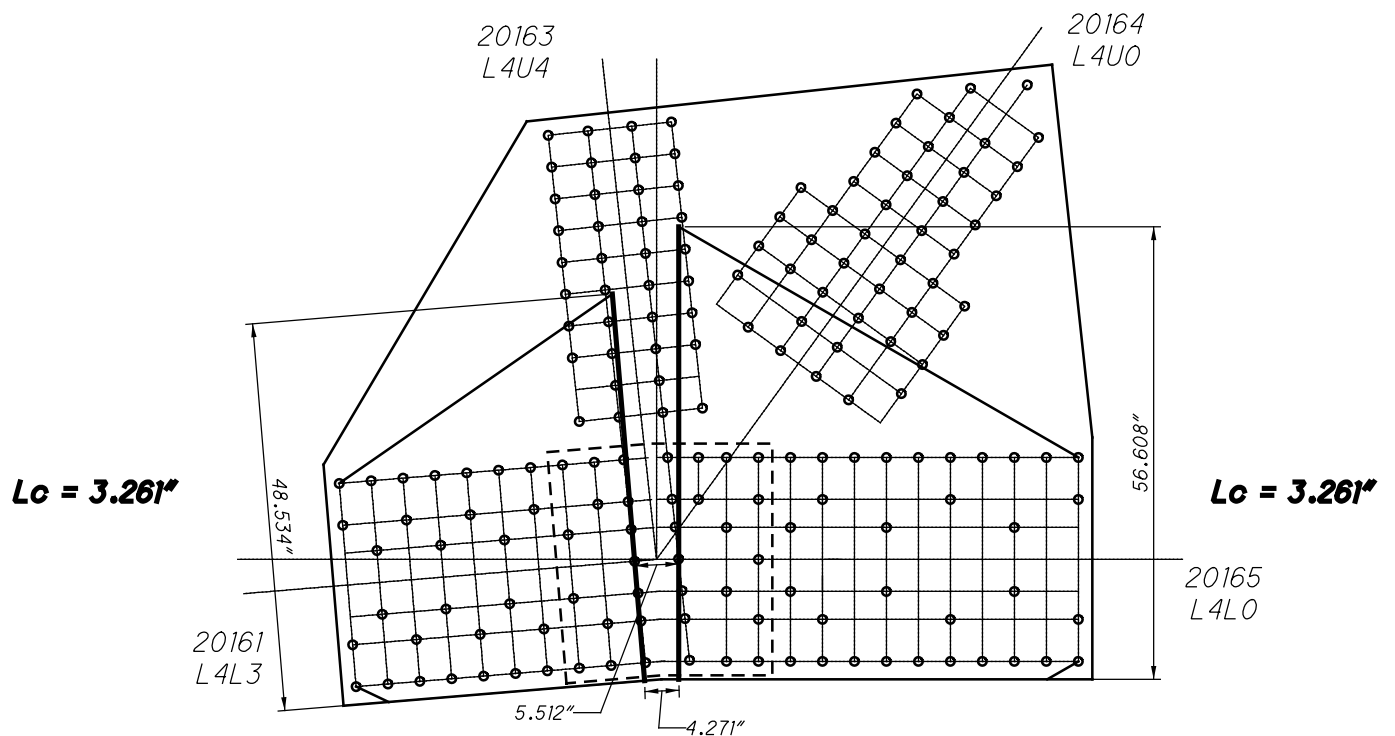


**L15 INSIDE (SPAN 7)
QUADRANT DIMENSIONS**

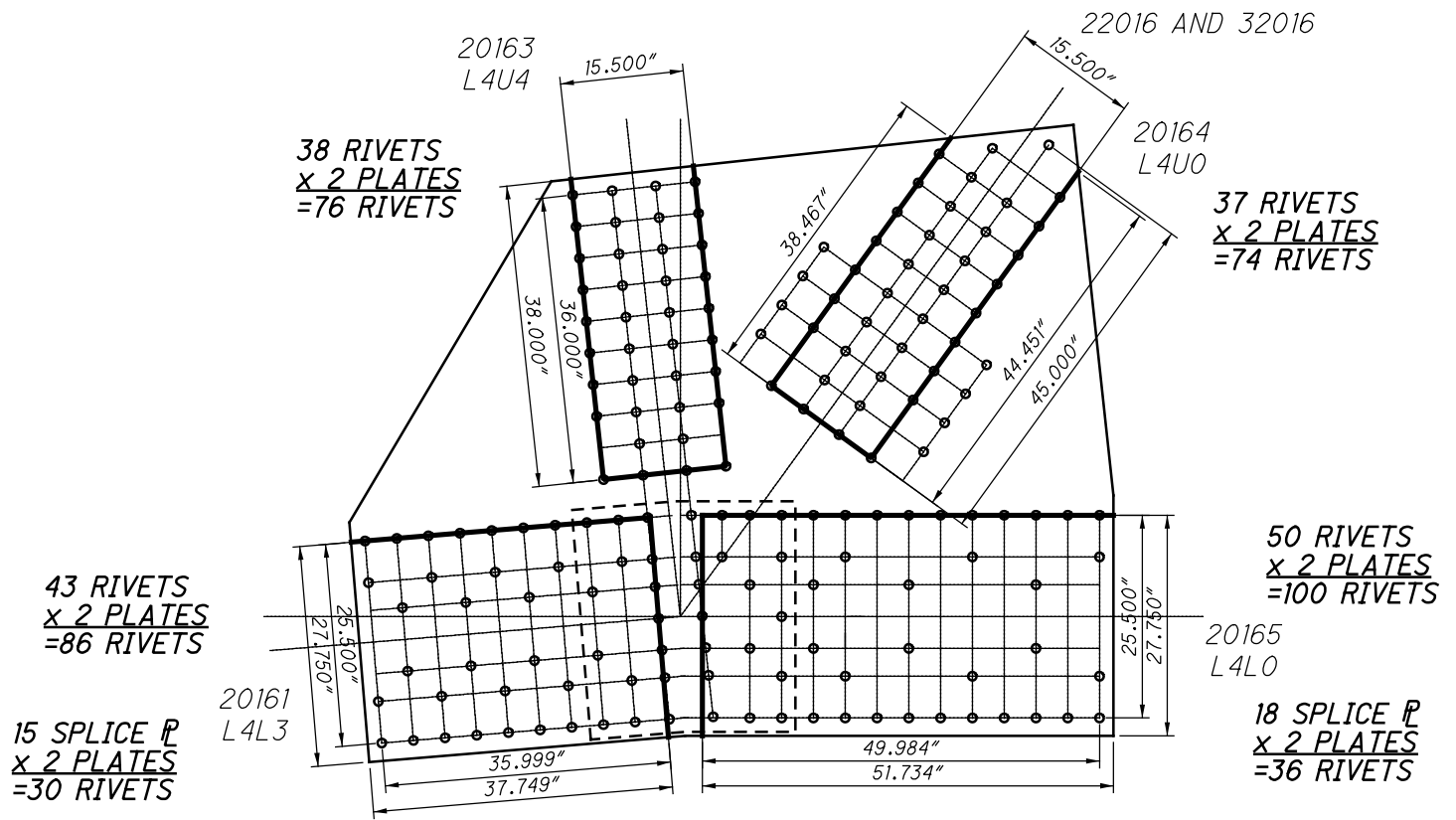




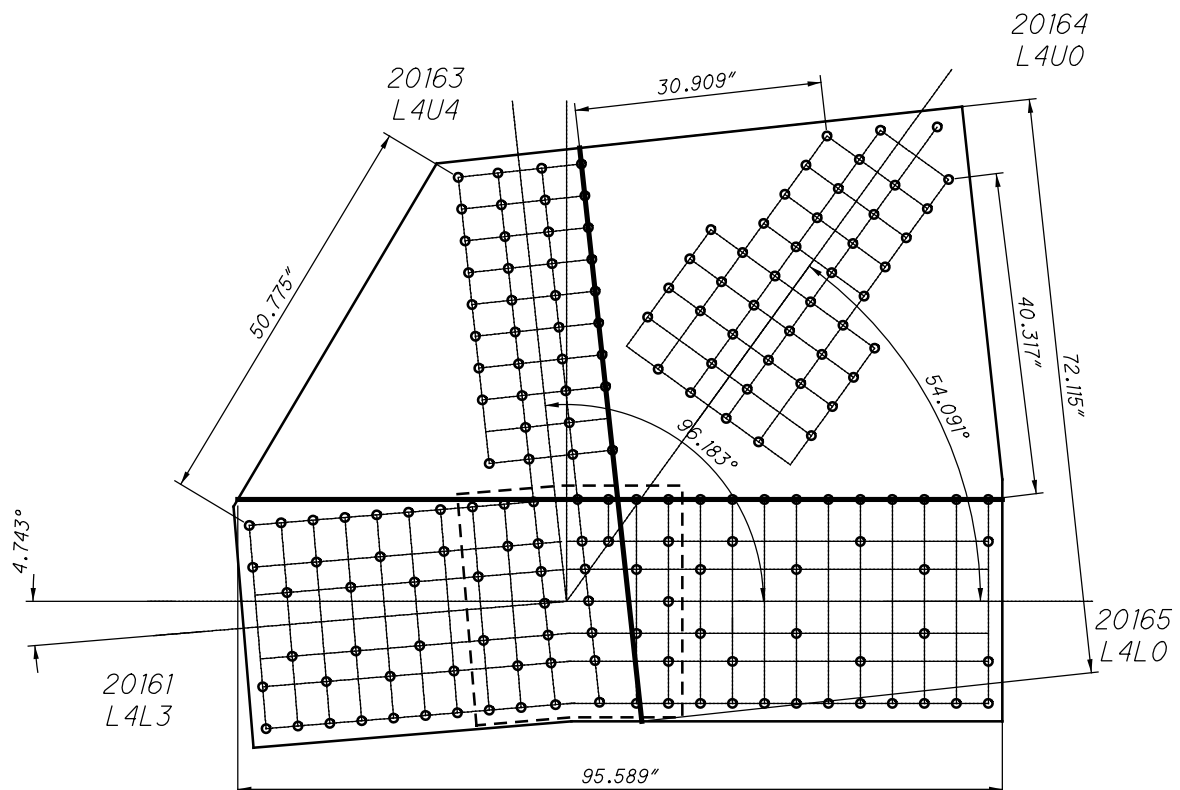
**L16 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



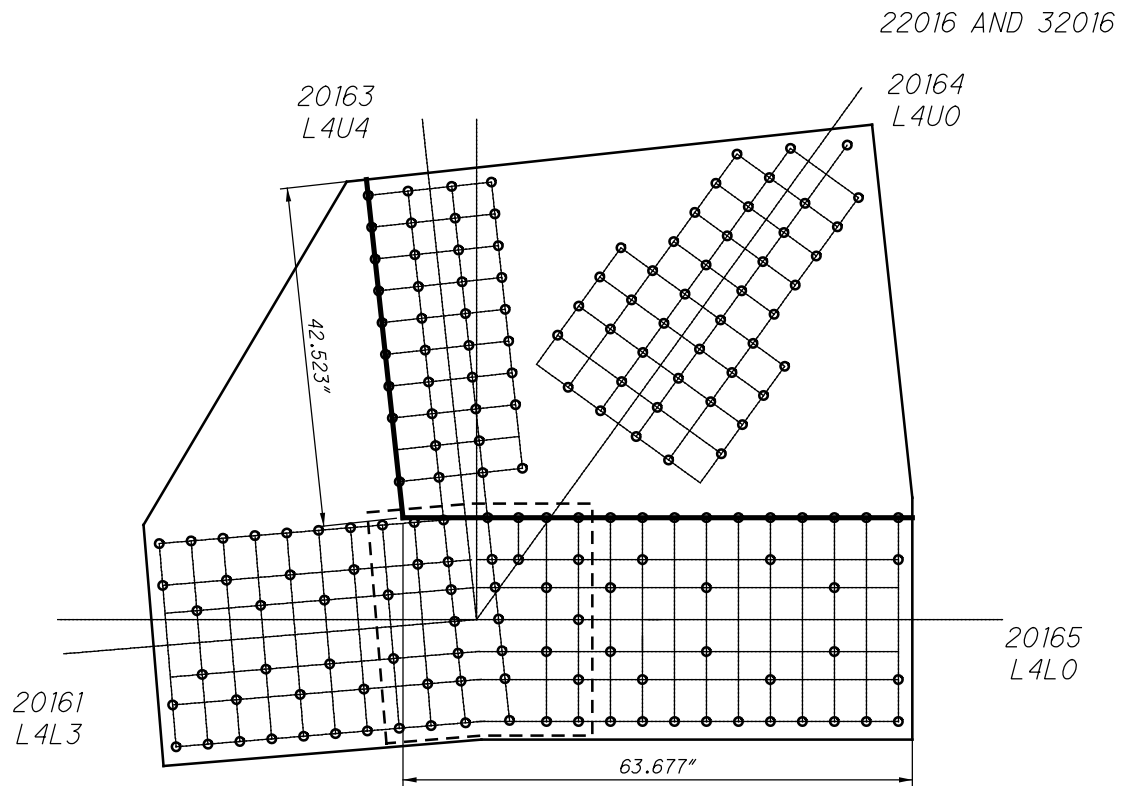
**L16 INSIDE (SPAN 7)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L16 INSIDE (SPAN 7)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L16 INSIDE (SPAN 7)
SHEAR AND FREE EDGE CHECK**



**L16 INSIDE (SPAN 7)
QUADRANT DIMENSIONS**

**SPAN 8 GUSSET PLATES (LOWER)
LORAIN CARNEGIE**

CHECKED: _____

DATE: _____

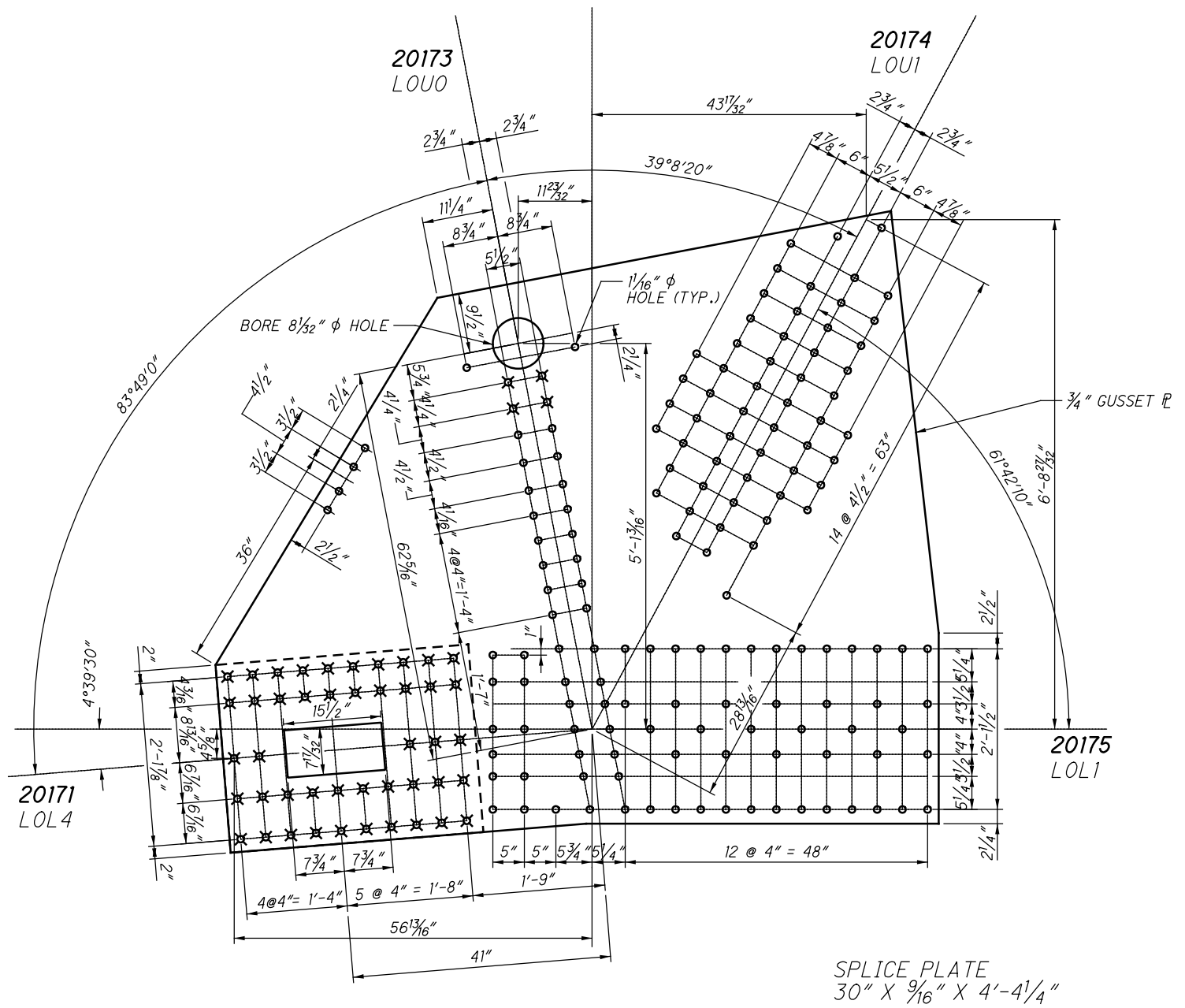
LEGEND

- $1 \frac{1}{16}$ " HOLES TYPICAL
- $1 \frac{3}{16}$ " HOLES TYPICAL
- ⌘ $1 \frac{1}{16}$ " COUNTERSUNK RIVET

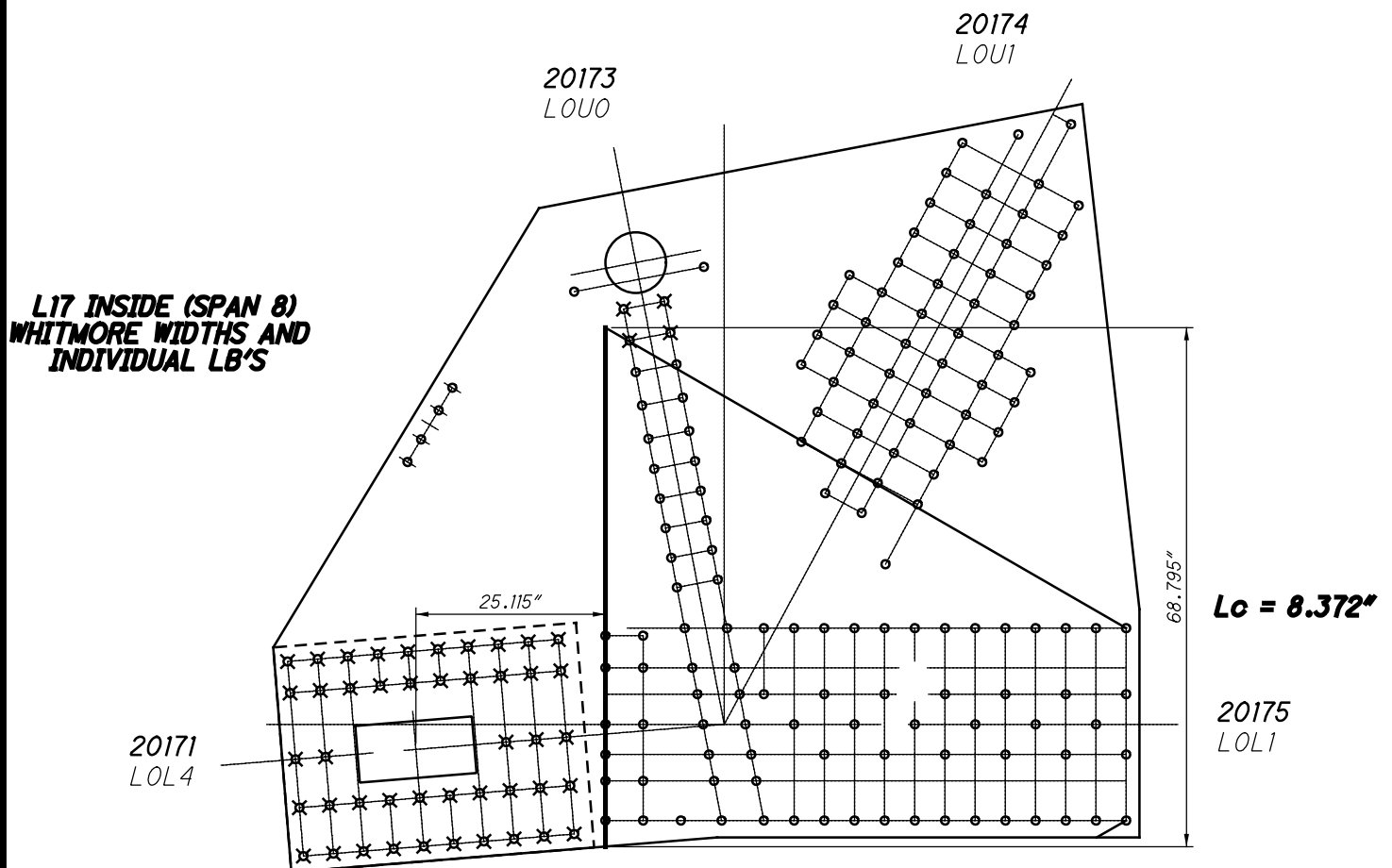
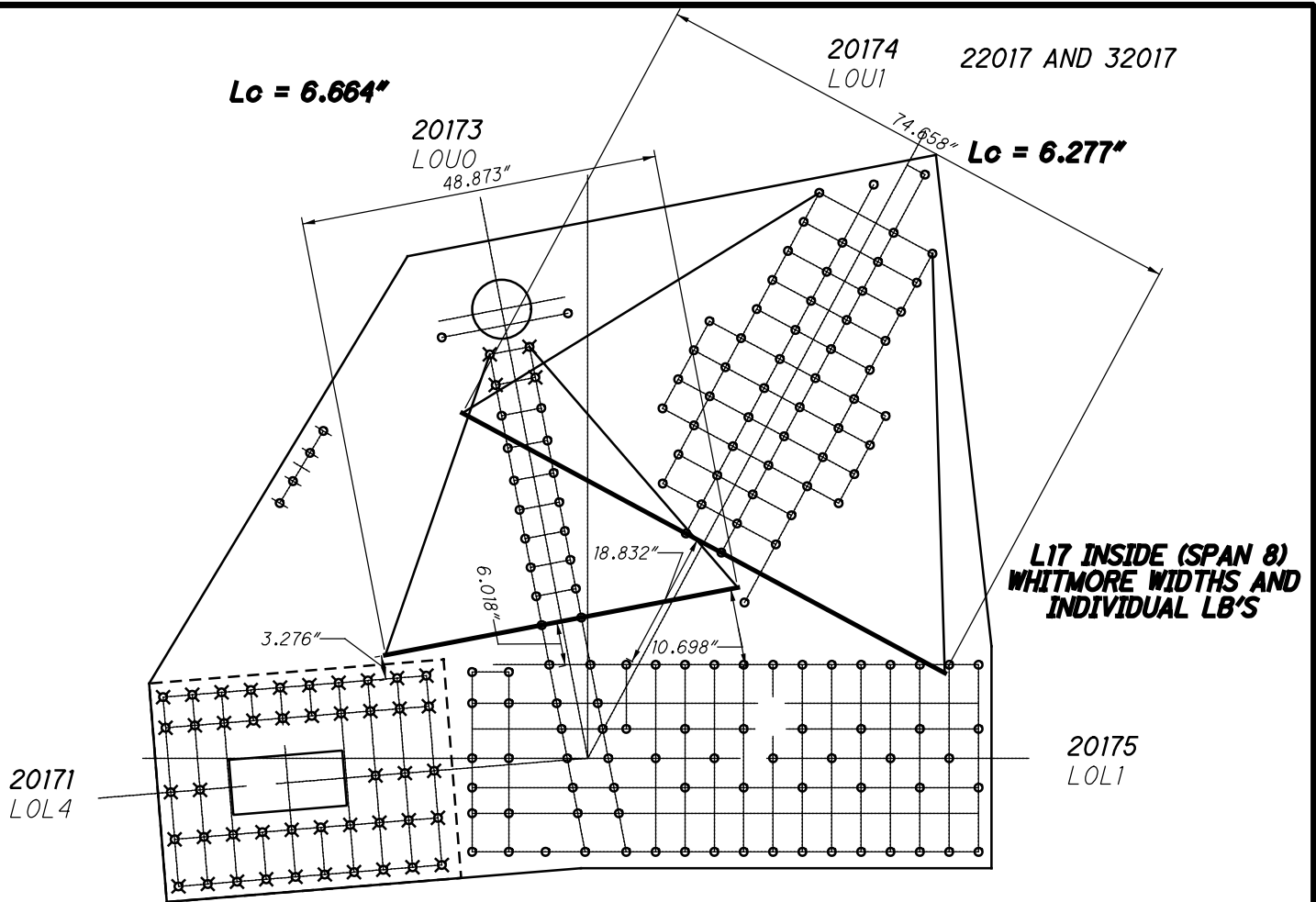
NOTES:

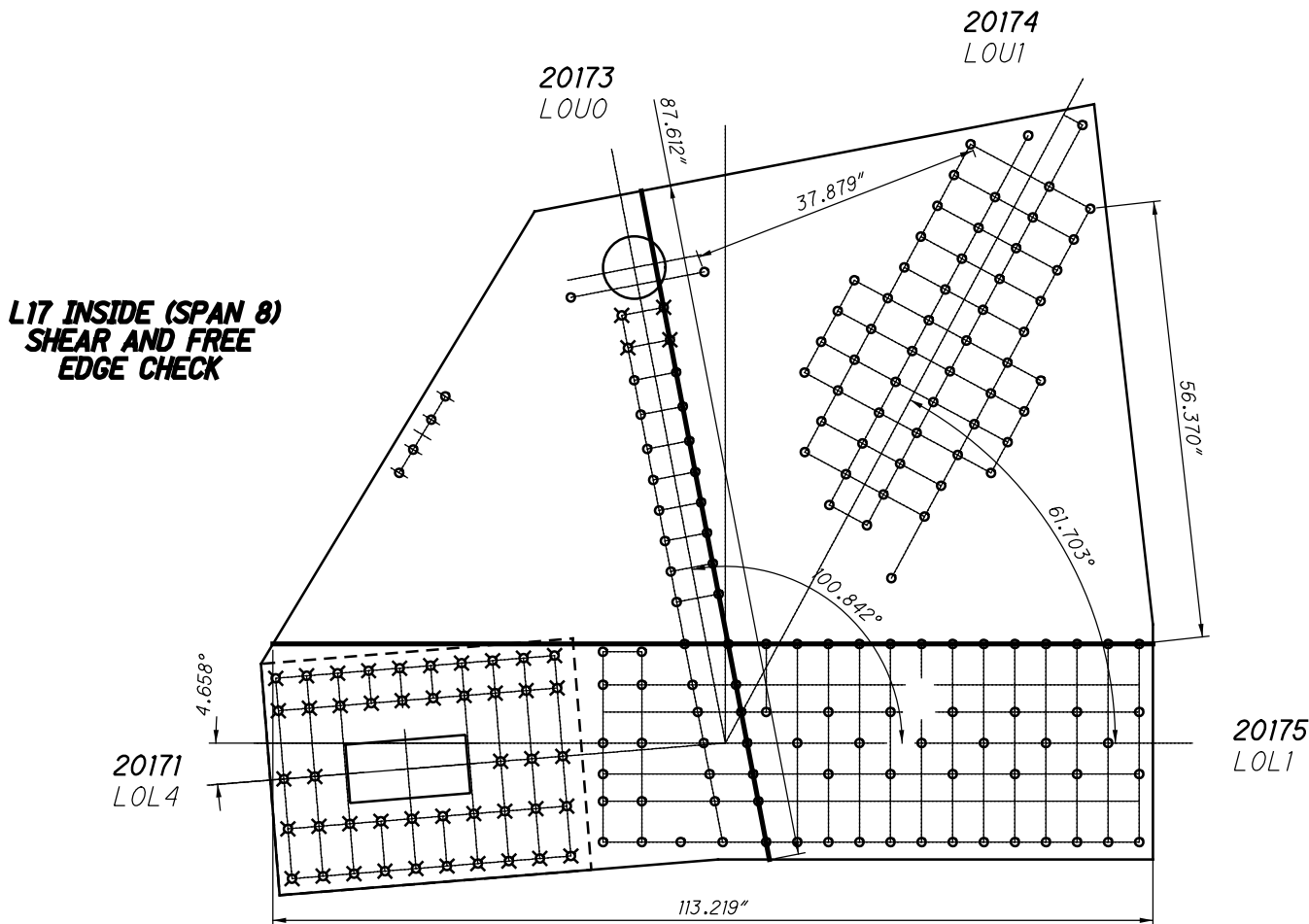
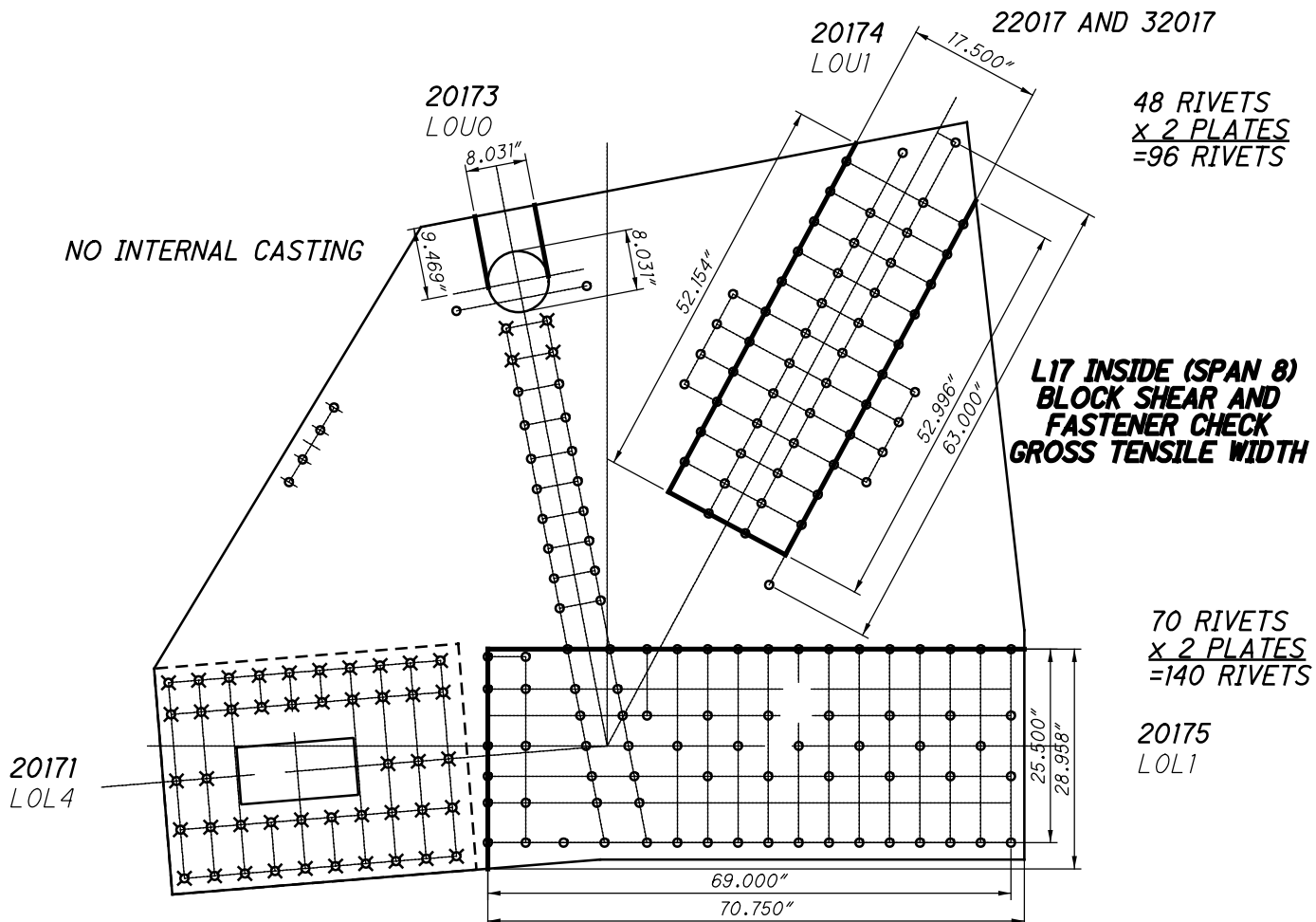
ALL EDGE DISTANCES ARE $1 \frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

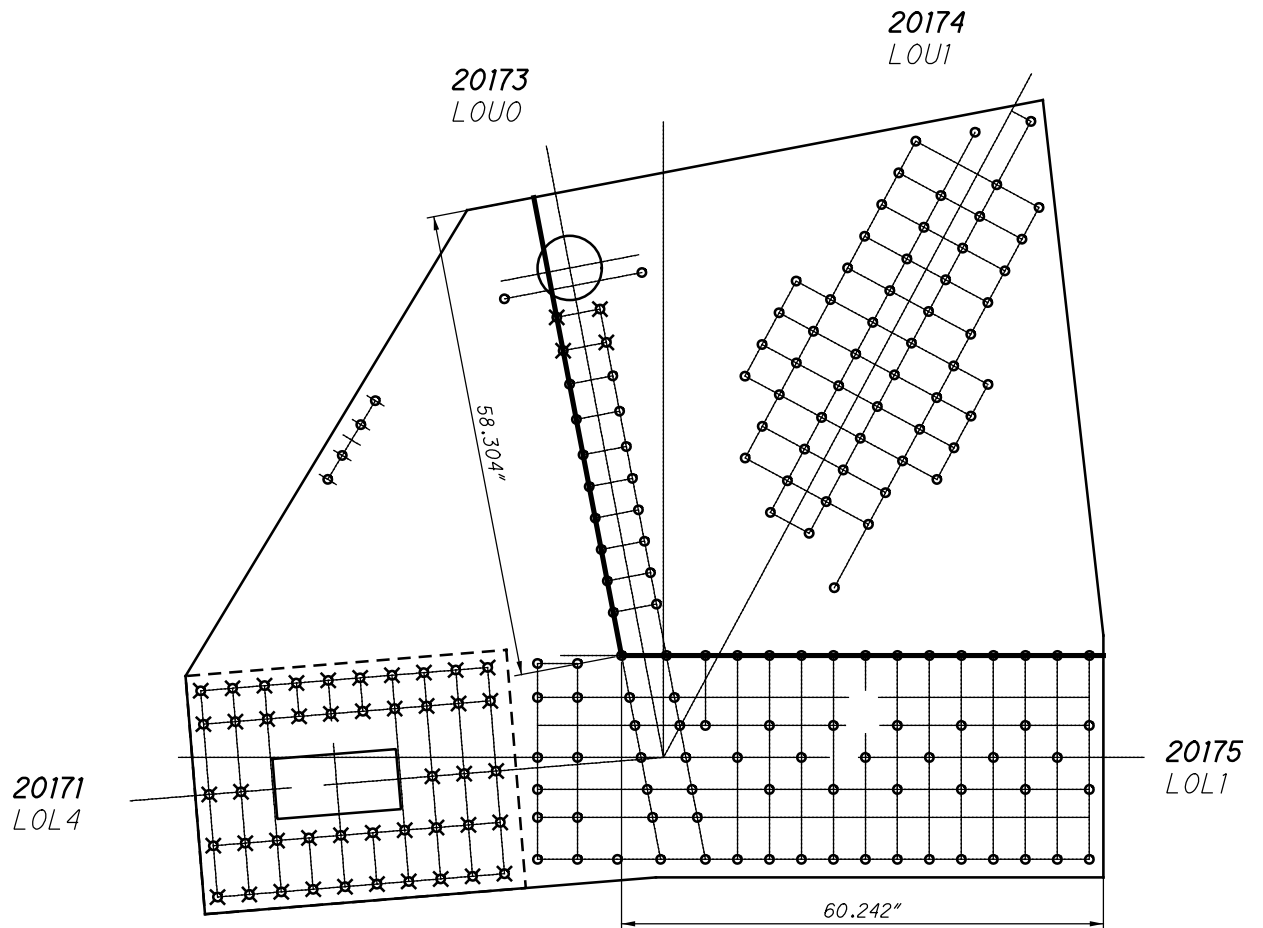
ALL GUSSET PLATES ARE COPPER
BEARING SILICON STEEL.



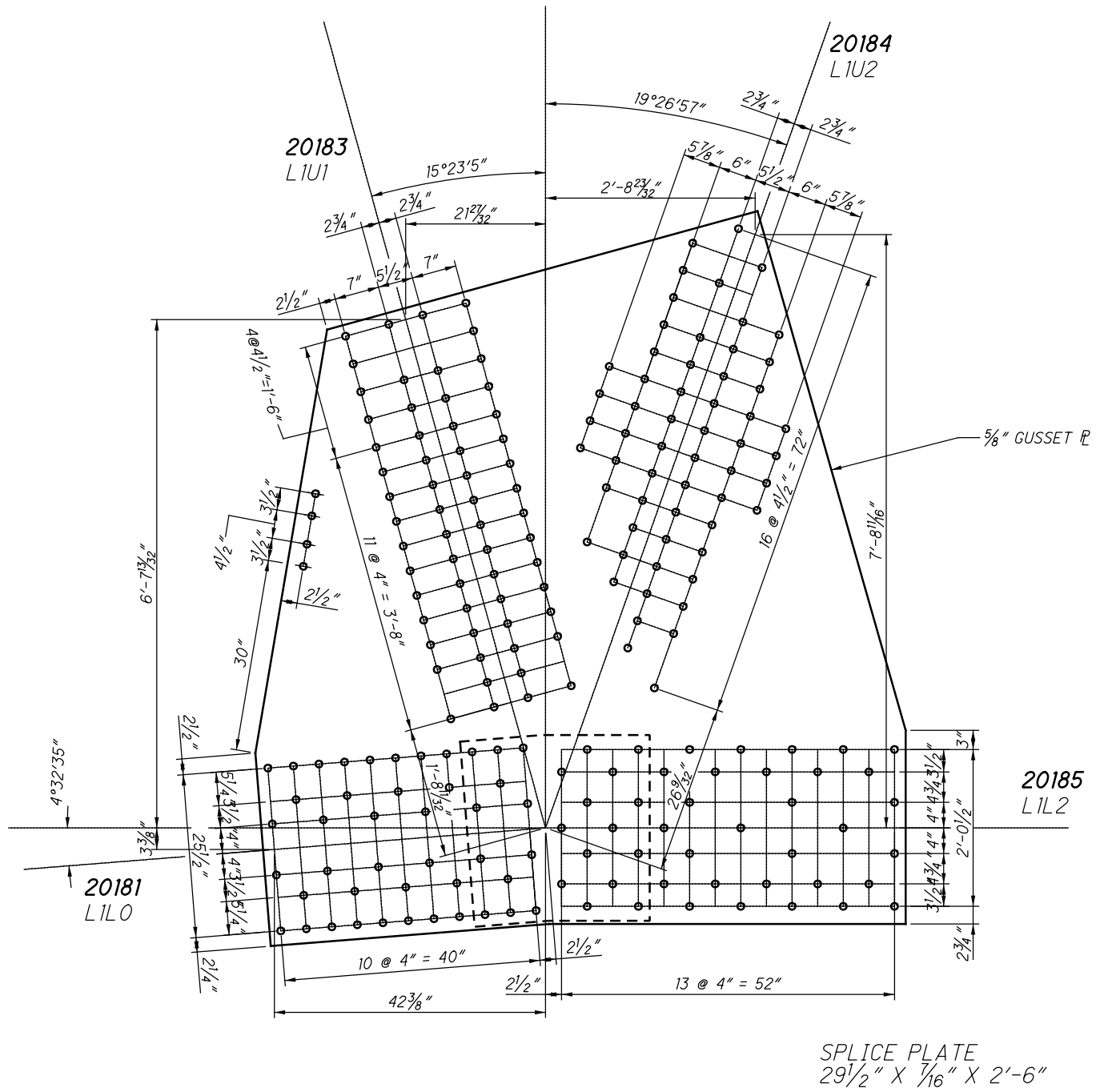
**L17 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



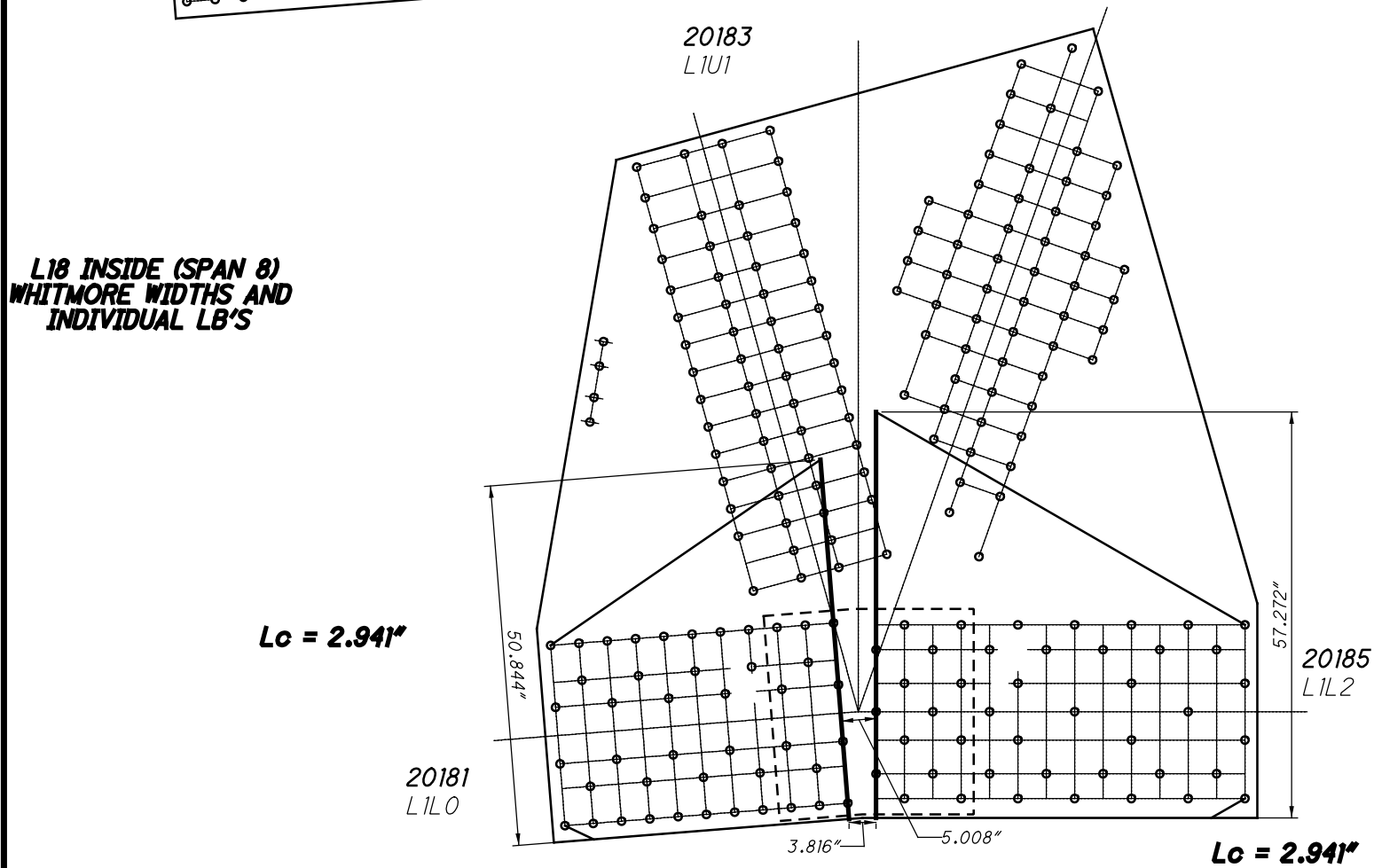
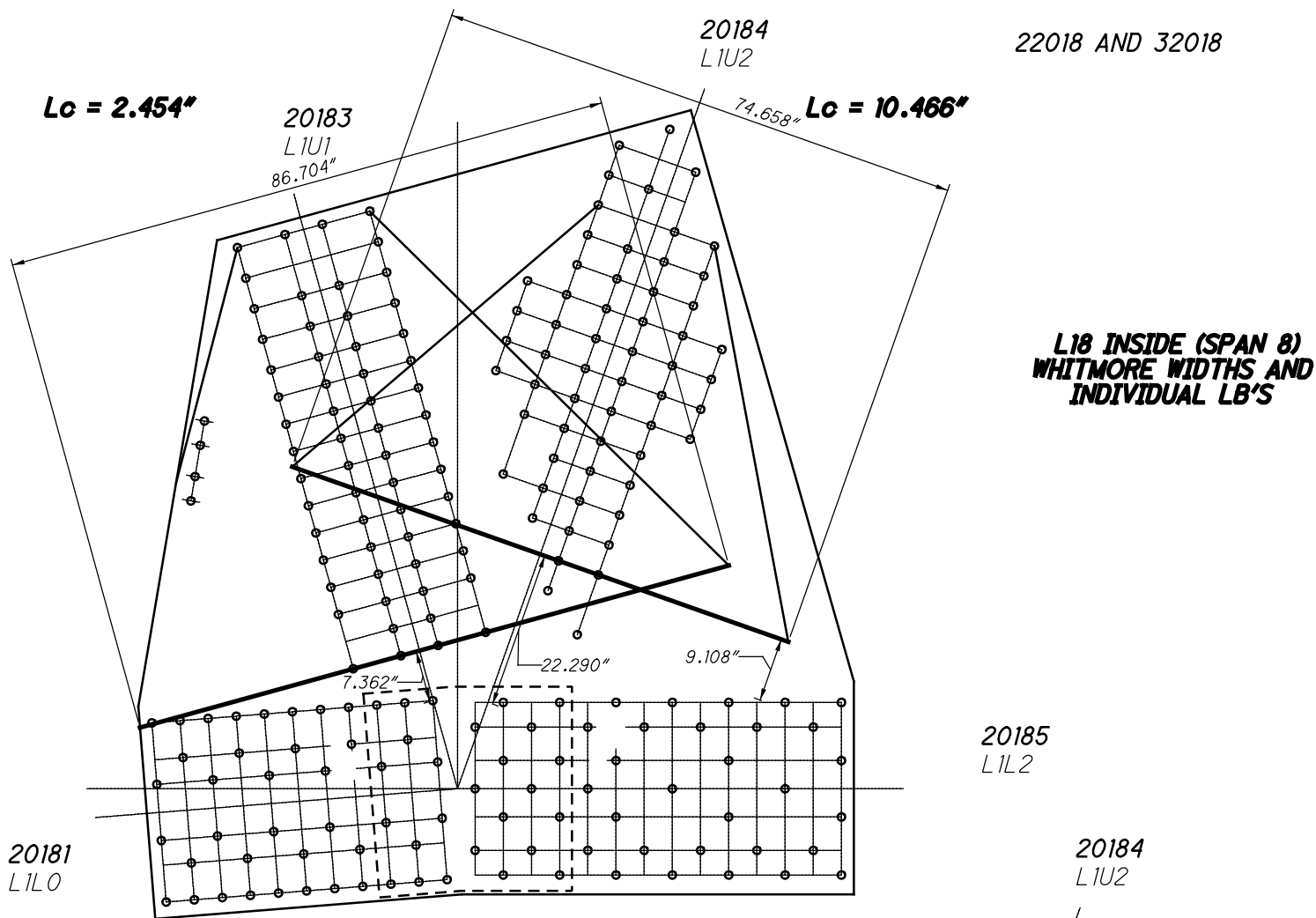




**L17 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L18 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



60 RIVETS
x 2 PLATES
=120 RIVETS

20183
L1U1

20184
L1U2

22018 AND 32018

48 RIVETS
x 2 PLATES
=96 RIVETS

**L18 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

43 RIVETS
x 2 PLATES
=86 RIVETS

20185
L1L2

14 SPLICE P
x 2 PLATES
=28 RIVETS

20181
L1L0

20184
L1U2

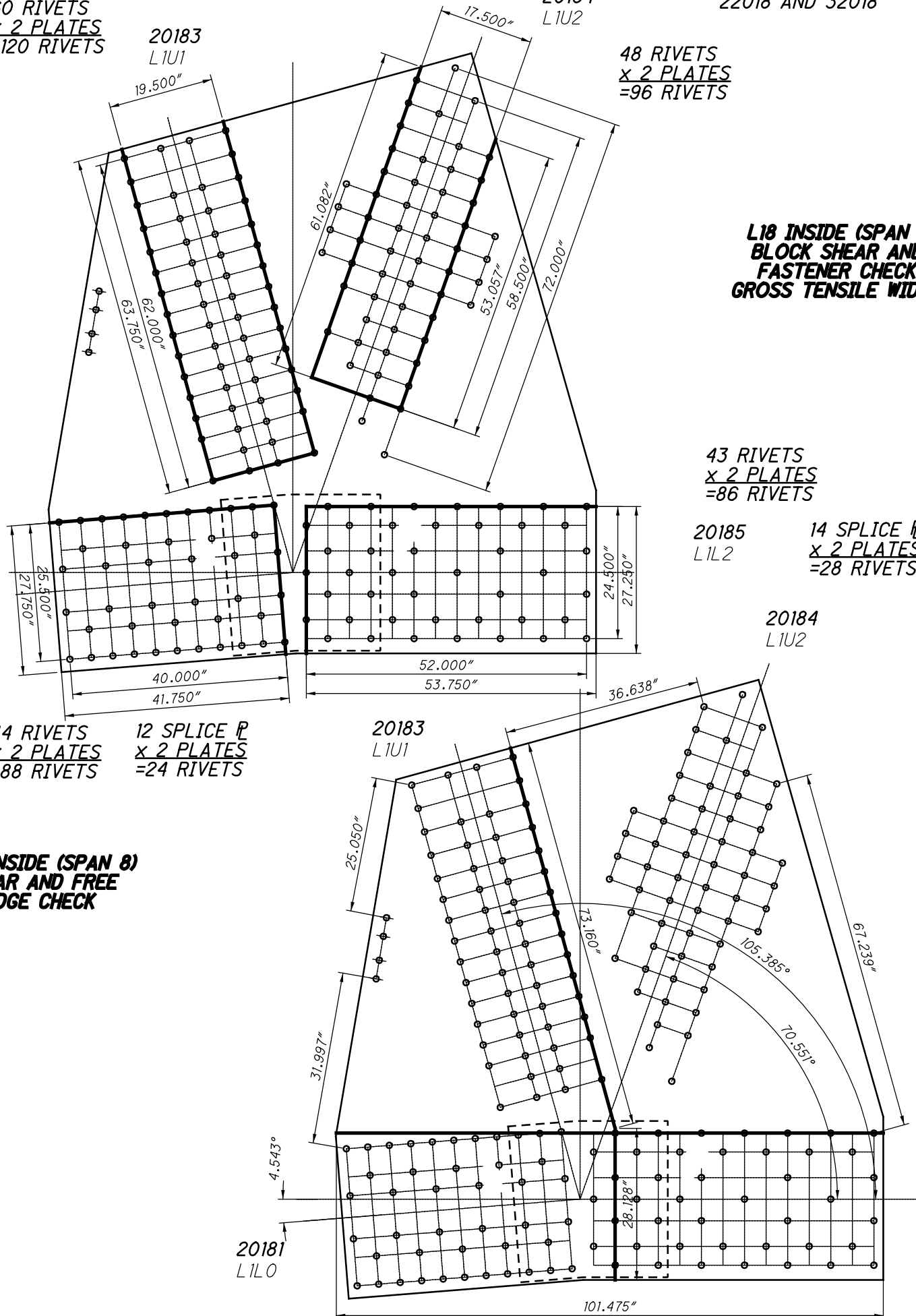
44 RIVETS
x 2 PLATES
=88 RIVETS

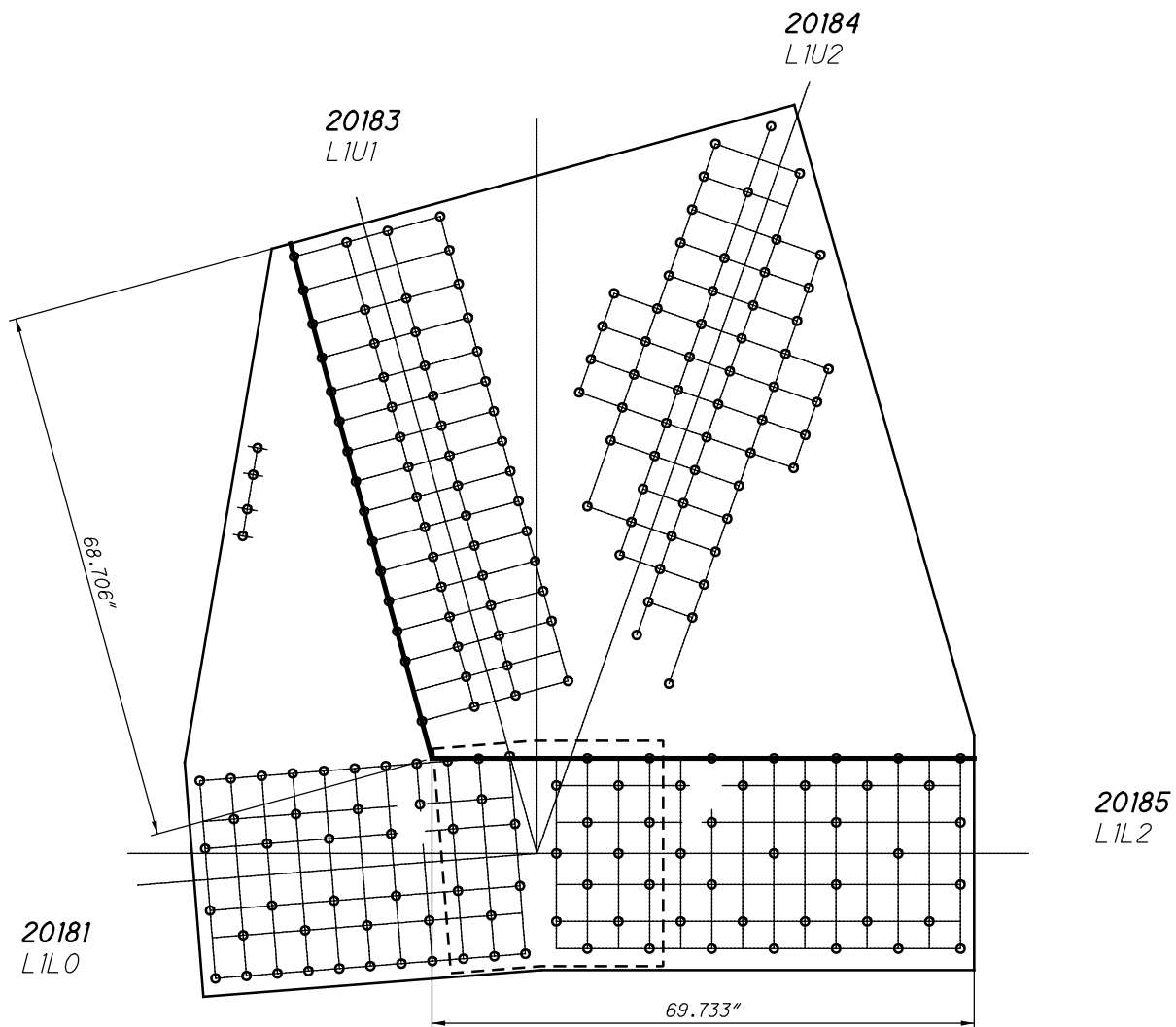
12 SPLICE P
x 2 PLATES
=24 RIVETS

**L18 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

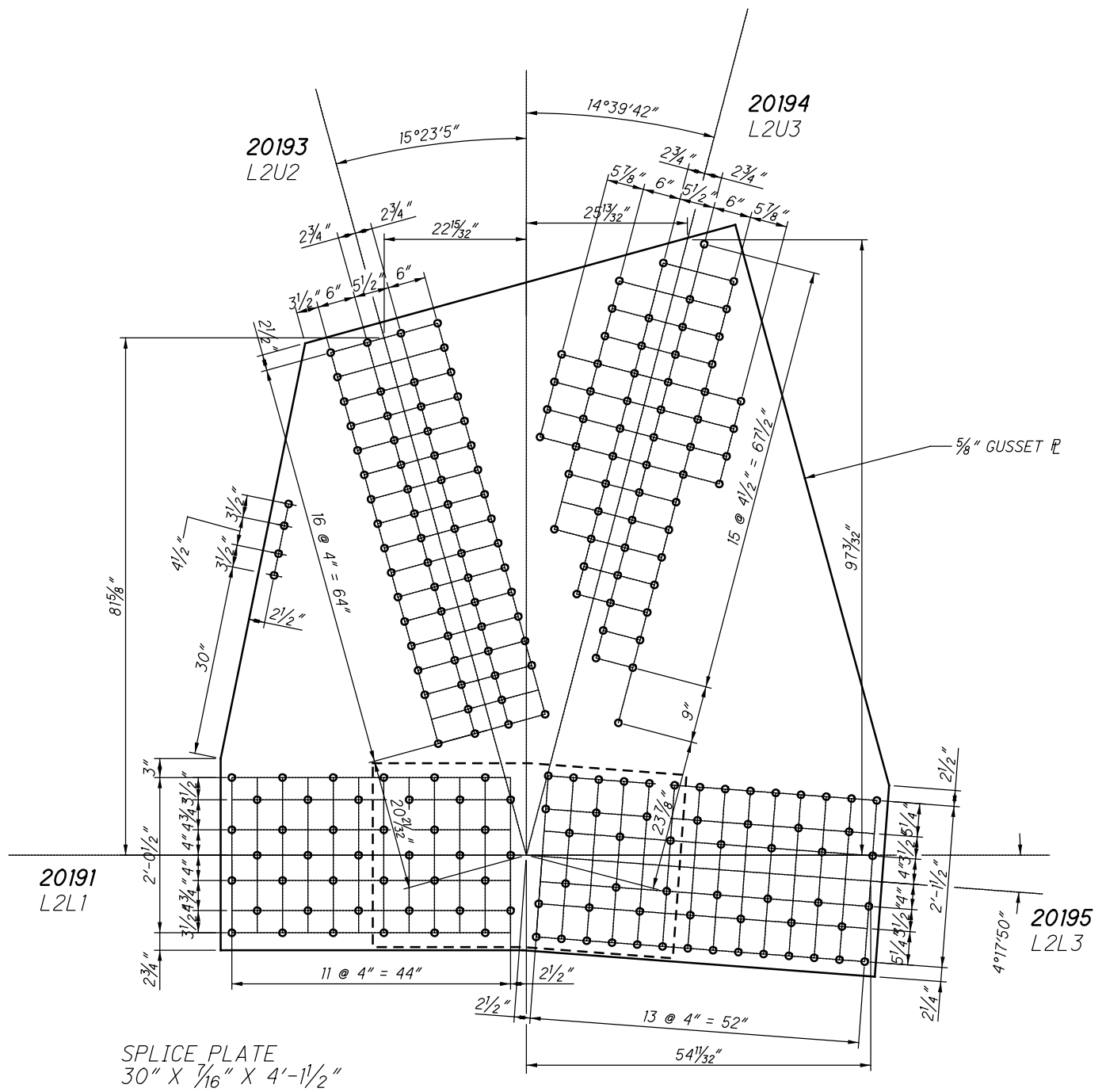
20181
L1L0

20185
L1L2



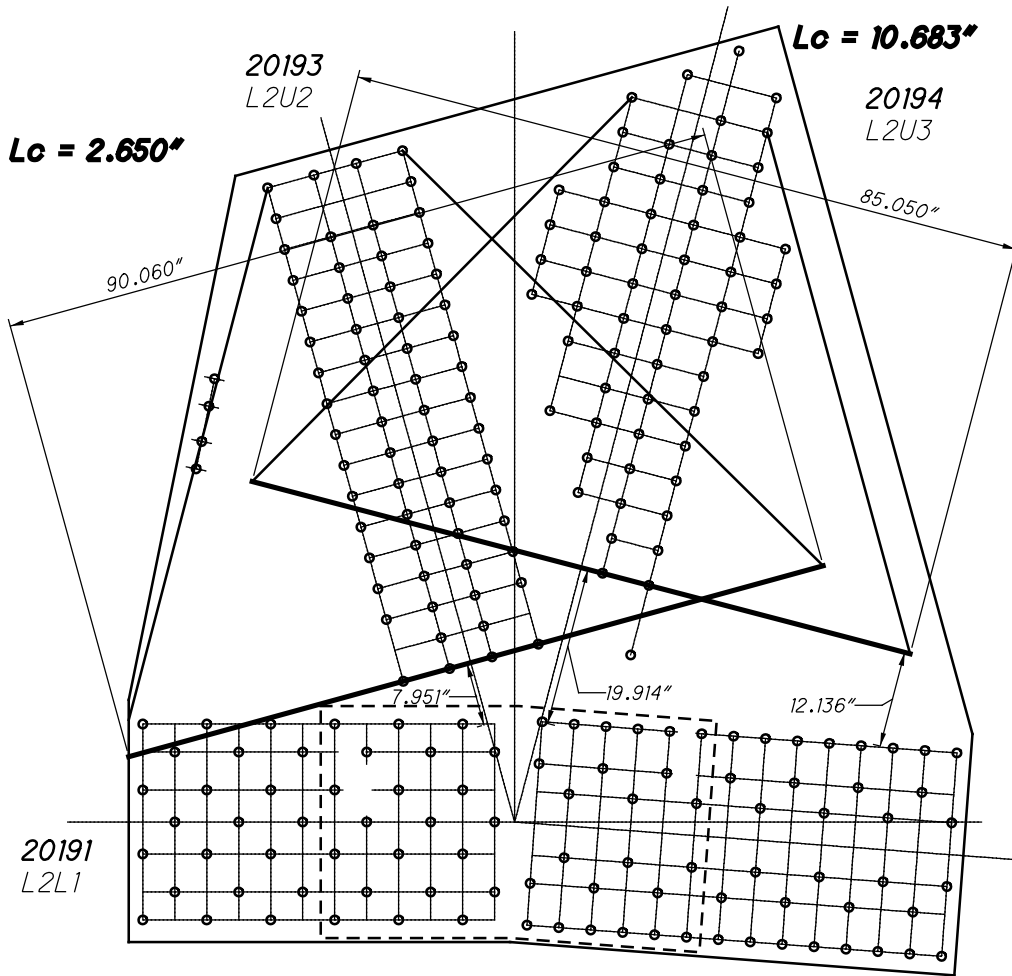


**L18 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

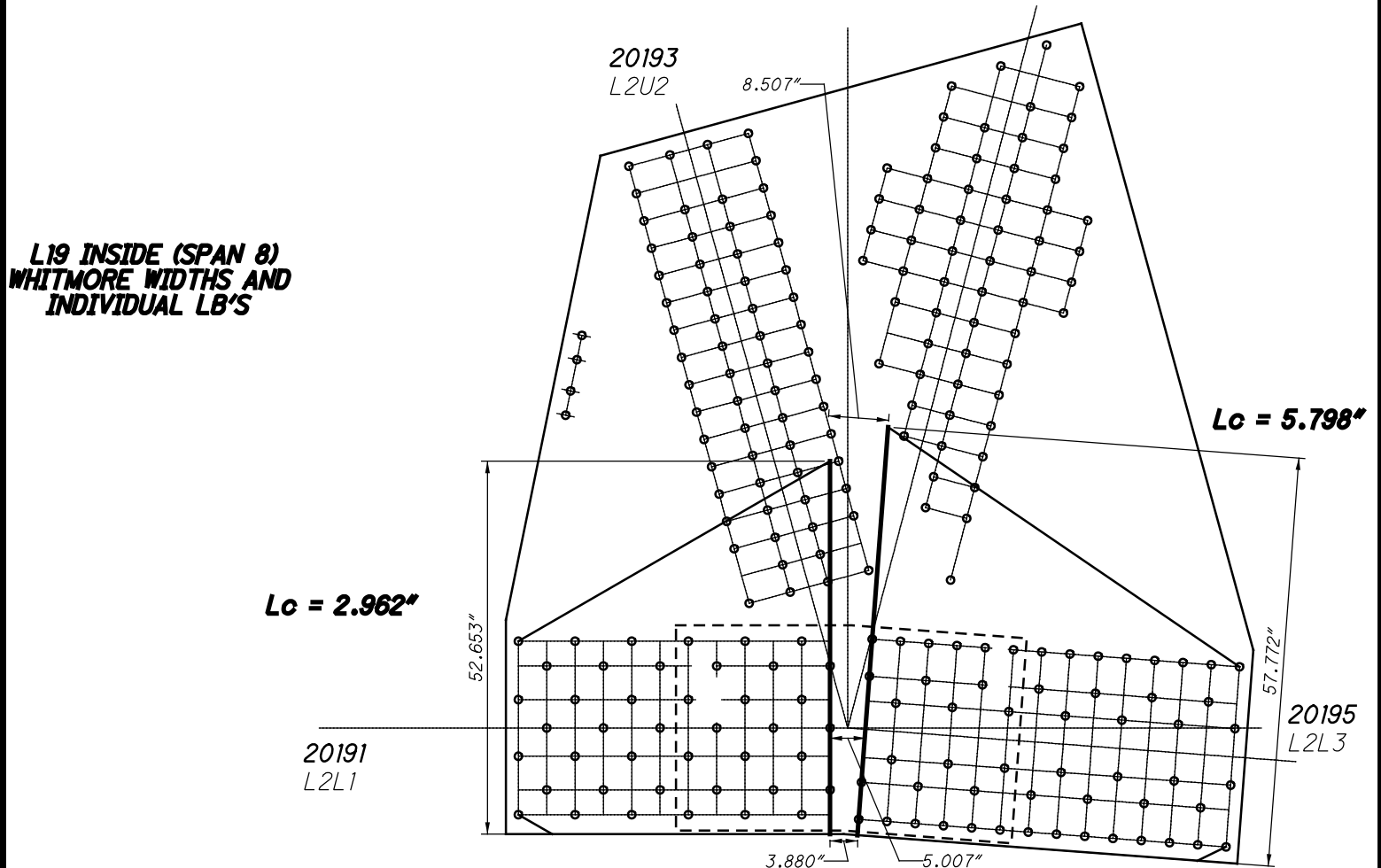


**L19 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

22019 AND 32019



**L19 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**



**L19 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

20193
L2U2

64 RIVETS
x 2 PLATES
=128 RIVETS

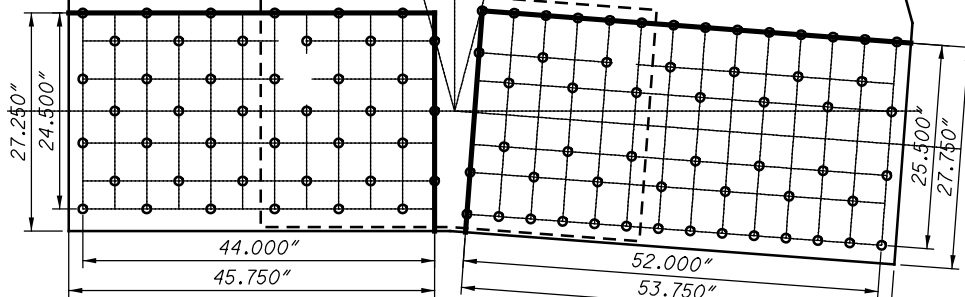
22019 AND 32019

20194
L2U3

52 RIVETS
x 2 PLATES
=104 RIVETS

**L19 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

20191
L2L1



42 RIVETS
x 2 PLATES
=84 RIVETS

21 SPLICE P
x 2 PLATES
=42 RIVETS

20195
L2L3

56 RIVETS
x 2 PLATES
=112 RIVETS

24 SPLICE P
x 2 PLATES
=48 RIVETS

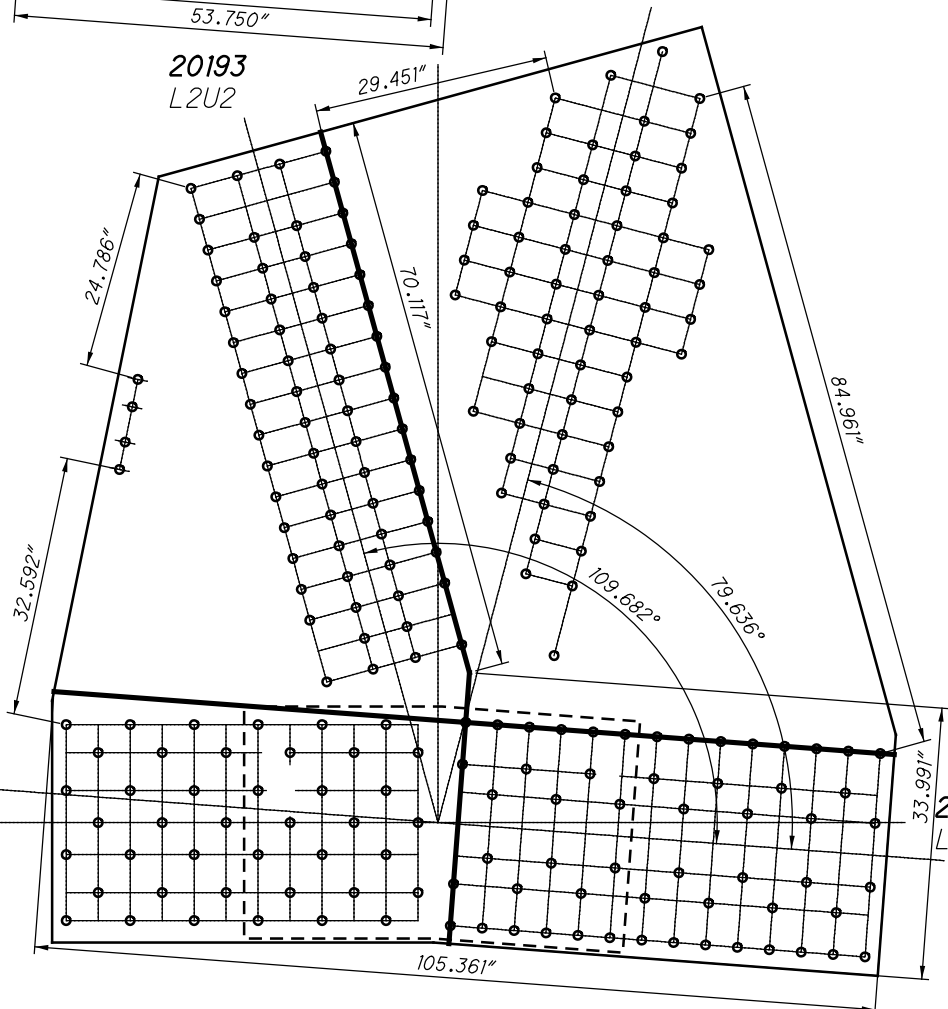
20194
L2U3

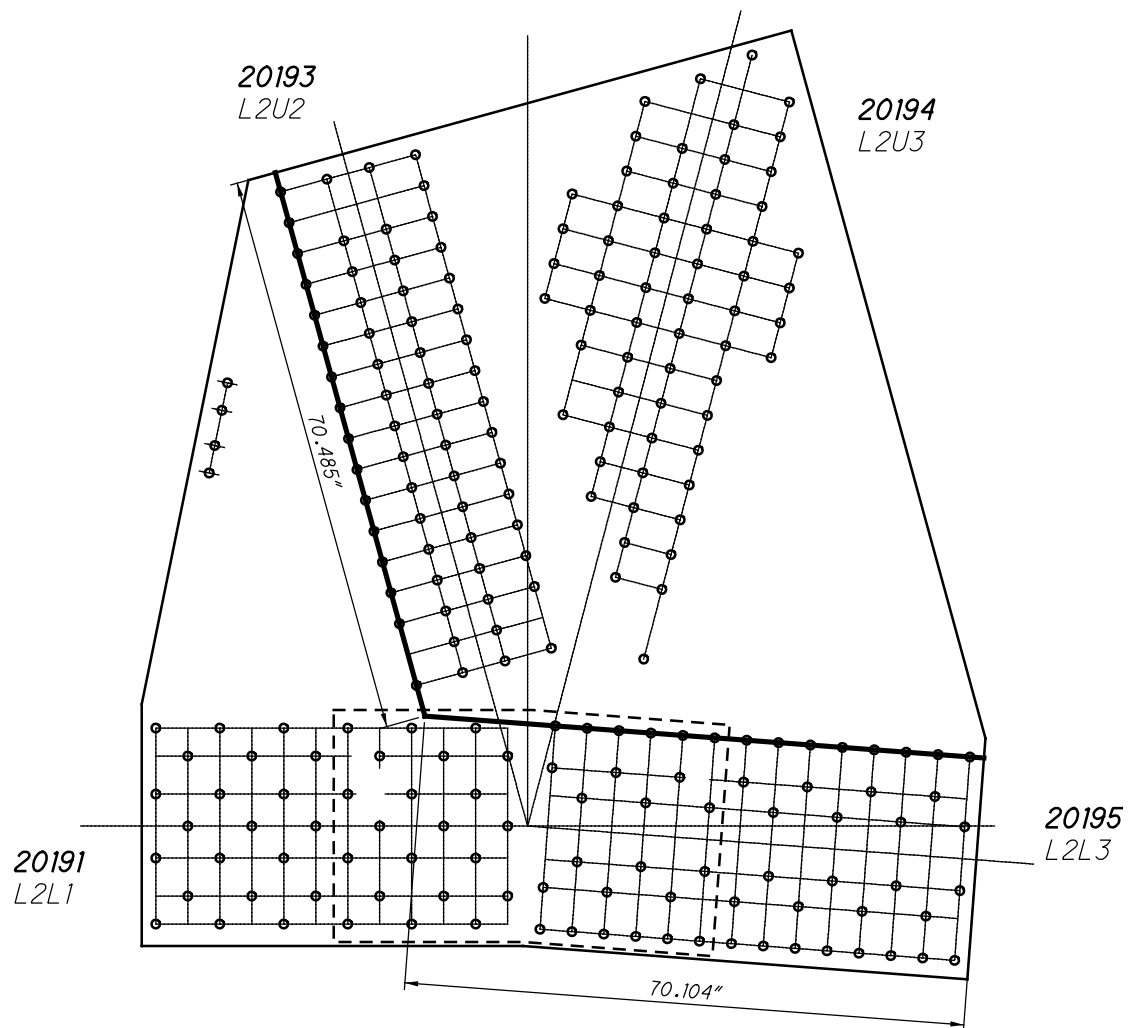
**L19 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

20193
L2U2

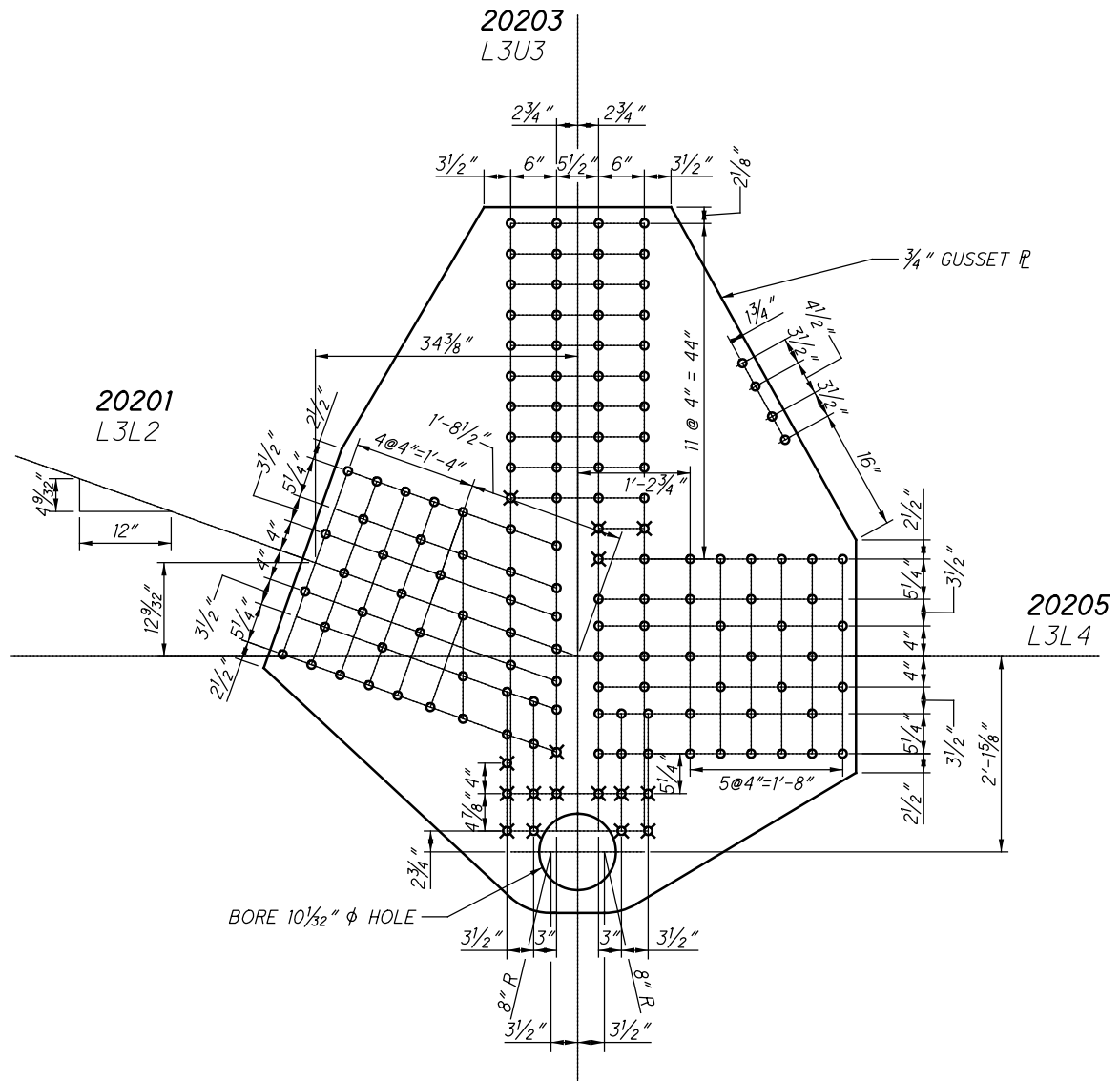
20191
L2L1

20195
L2L3





**L19 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L20 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

20203
L3U3

22020 AND 32020

20201
L3L2

**L20 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

20205
L3L4

65.573"

20203
L3U3

**L20 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

20201
L3L2

$L_c = 3.843''$

62.608"

20205
L3L4

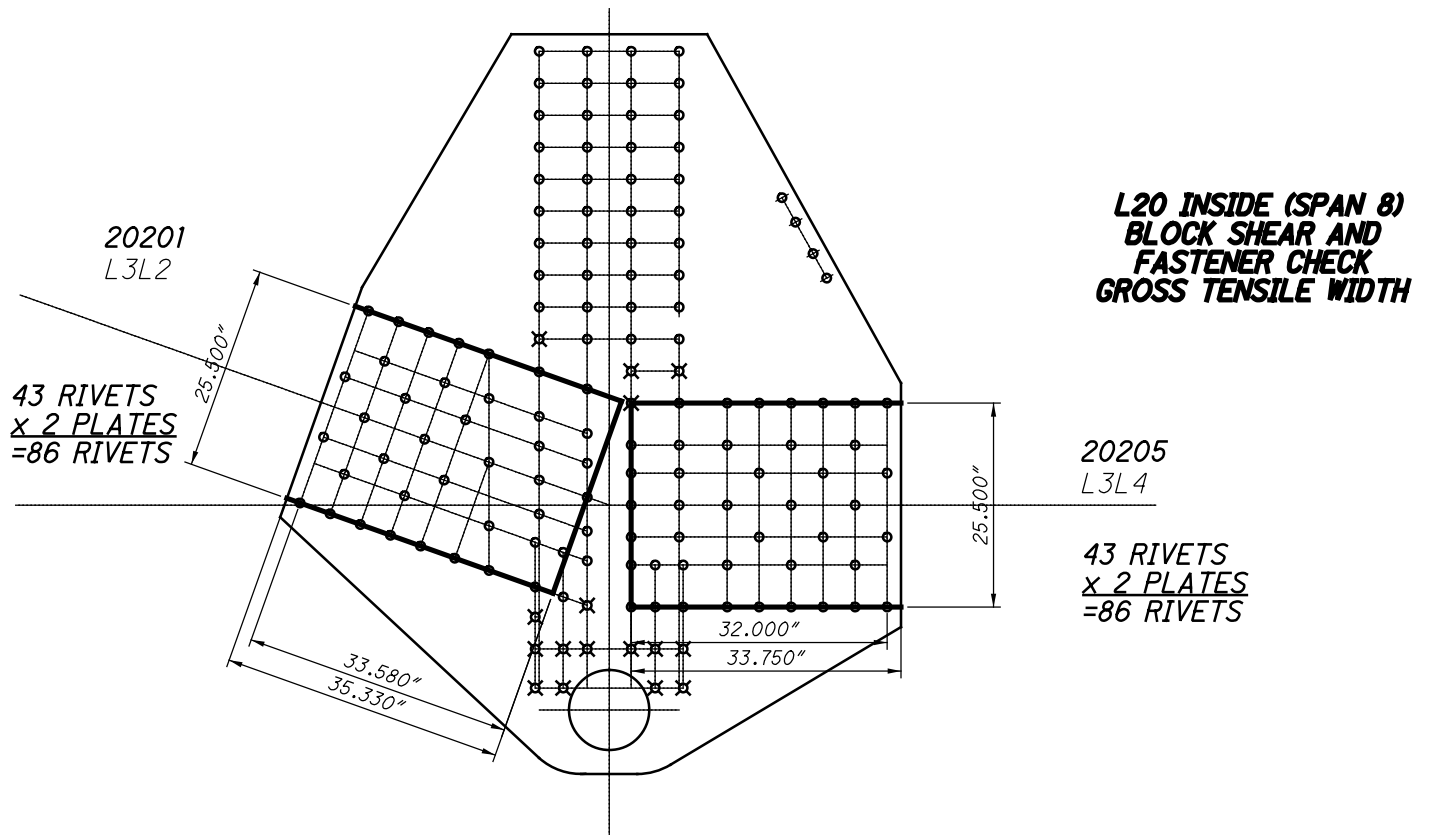
$L_c = 0.000''$

11.530"

62.450"

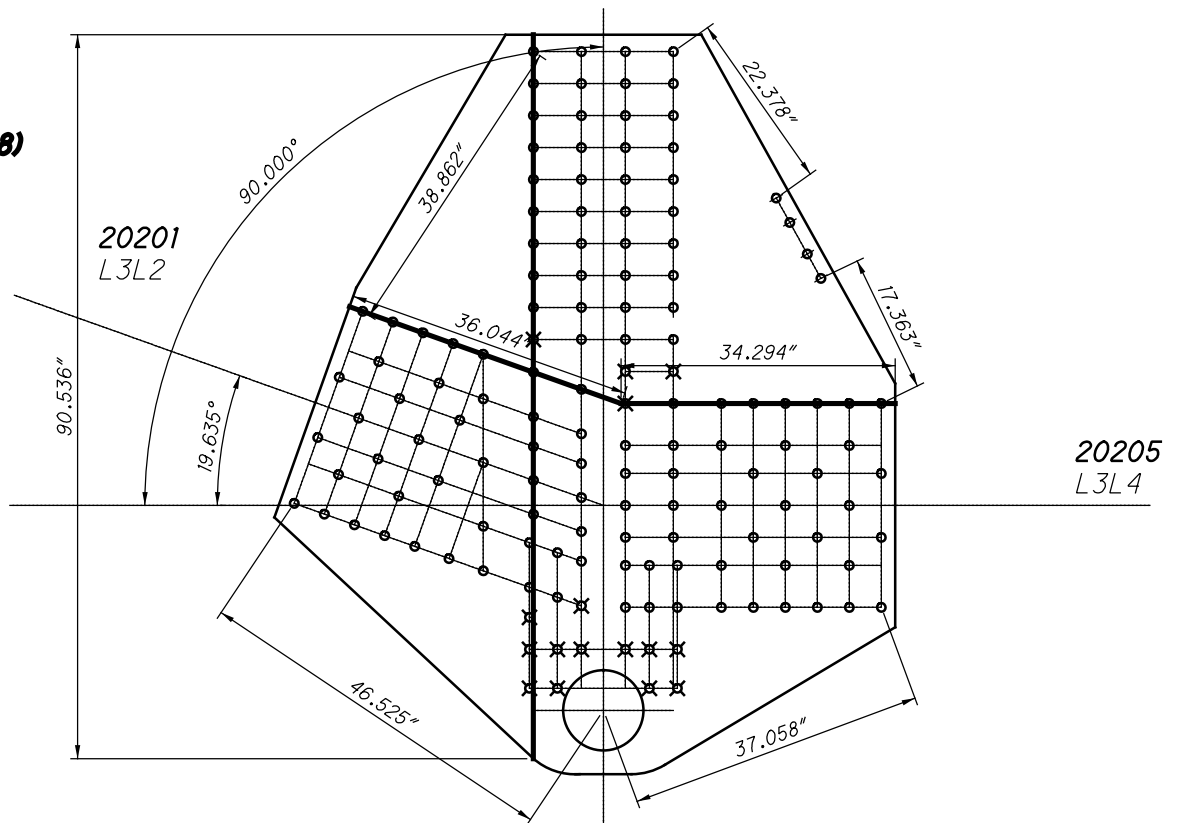
20203
L3U3

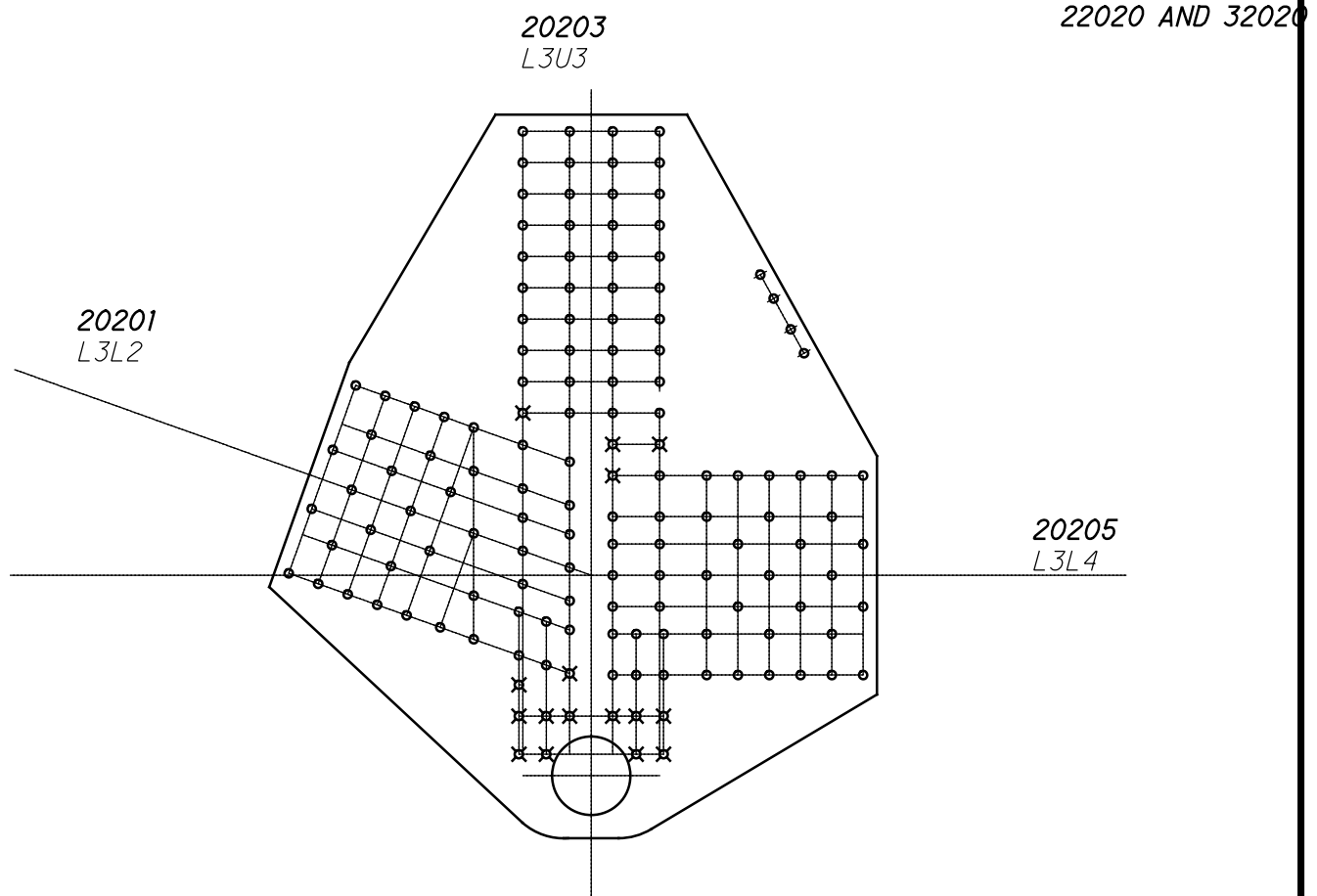
22020 AND 32020



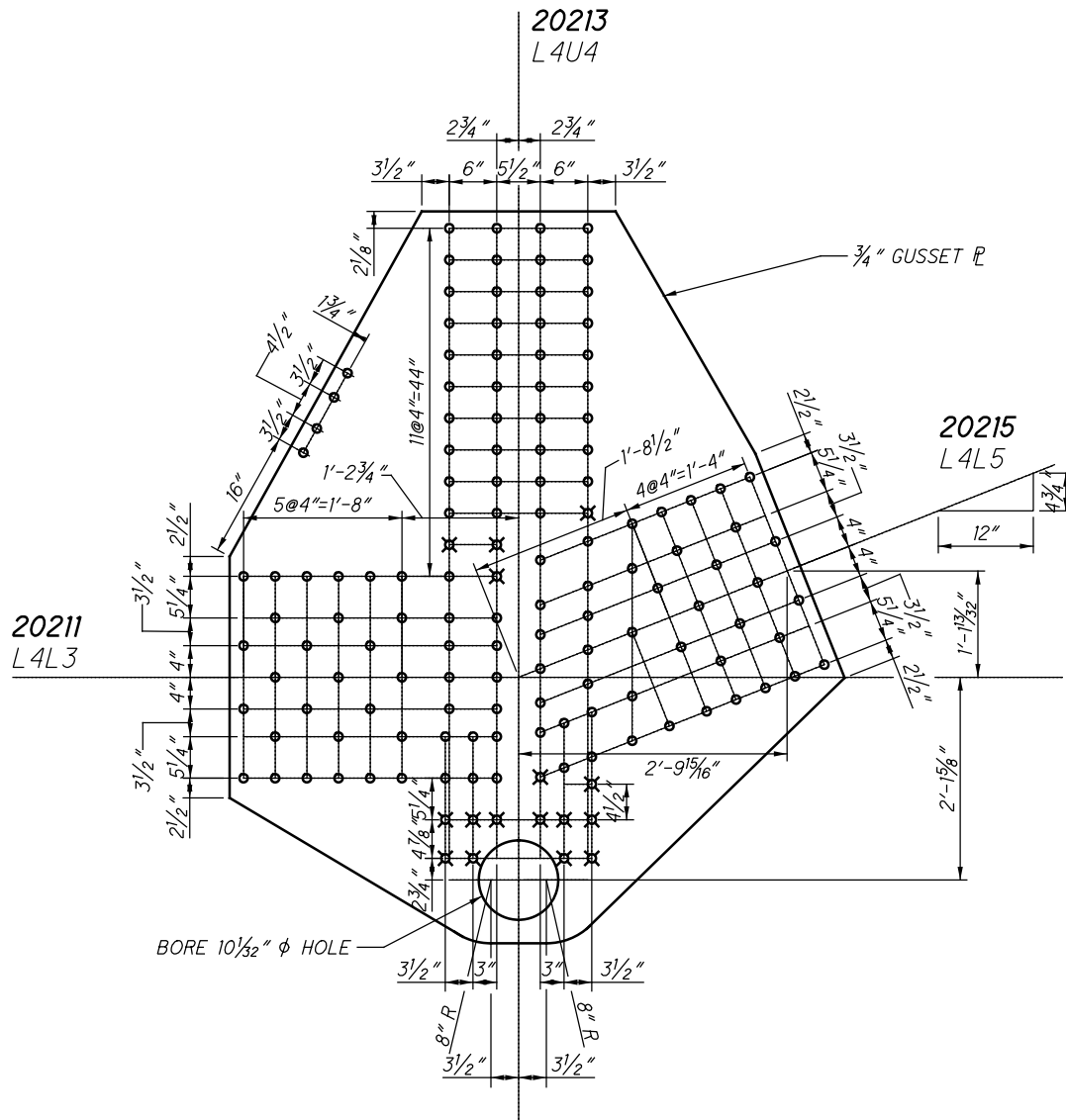
20203
L3U3

**L20 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**





**L20 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L21 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

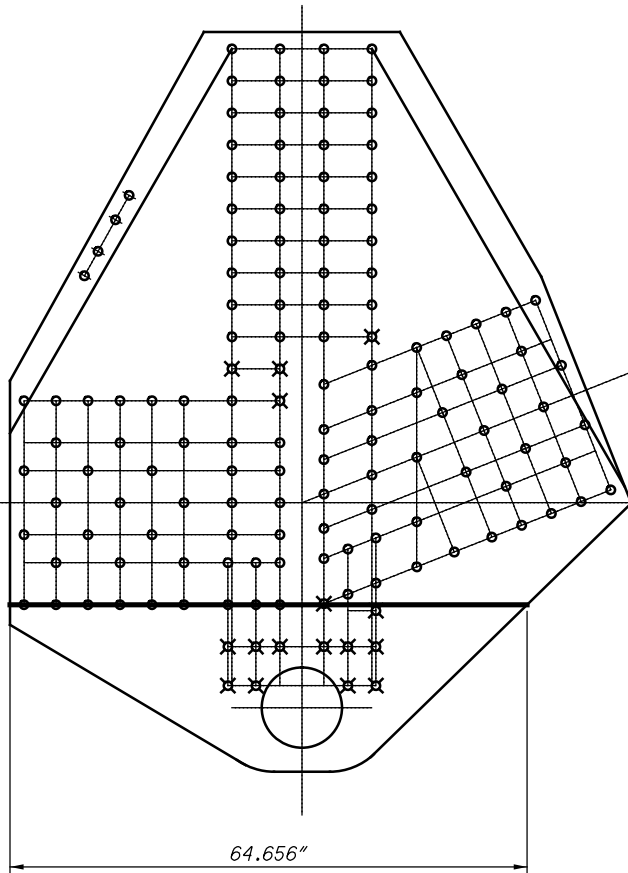
20213
L4U4

22021 AND 32021

20215
L4L5

**L21 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

20211
L4L3



20213
L4U4

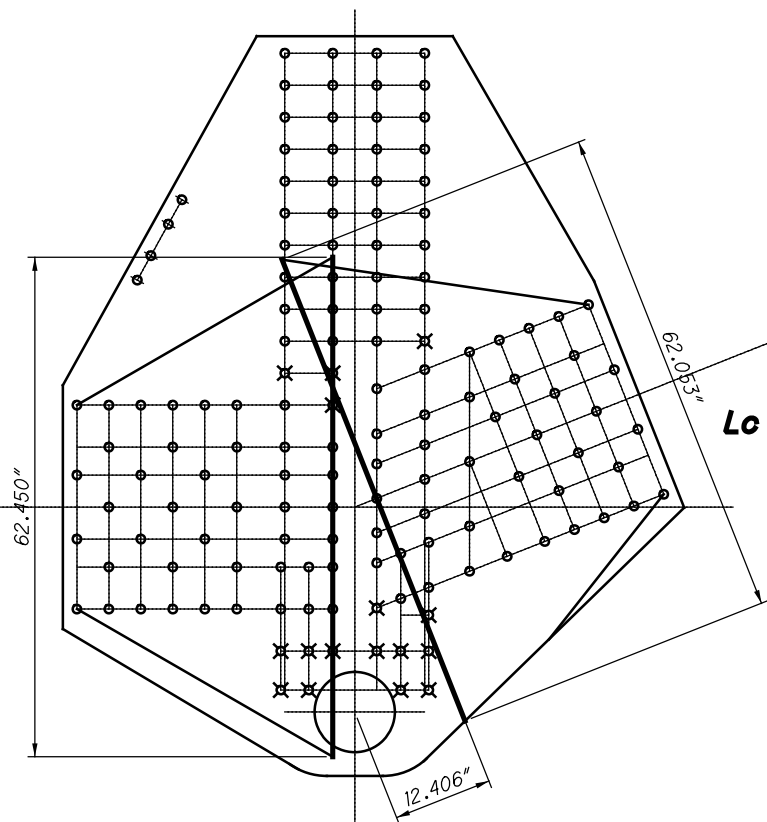
**L21 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

20215
L4L5

$L_c = 4.135"$

20211
L4L3

$L_c = 0.000"$



20213
L4U4

22021 AND 32021

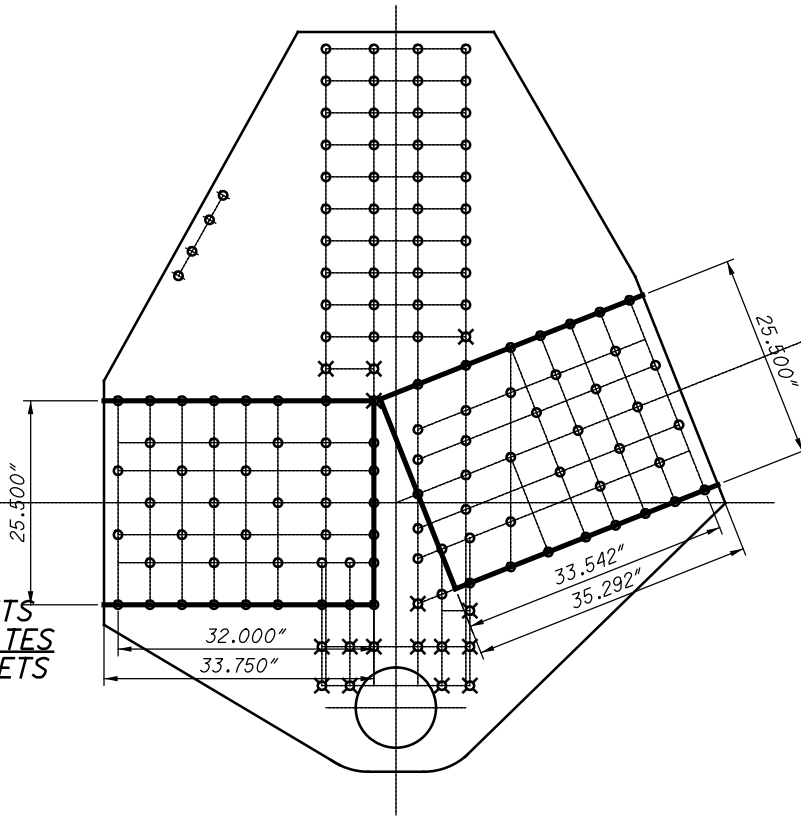
20215
L4L5

**L21 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

43 RIVETS
x 2 PLATES
=86 RIVETS

20211
L4L3

43 RIVETS
x 2 PLATES
=86 RIVETS

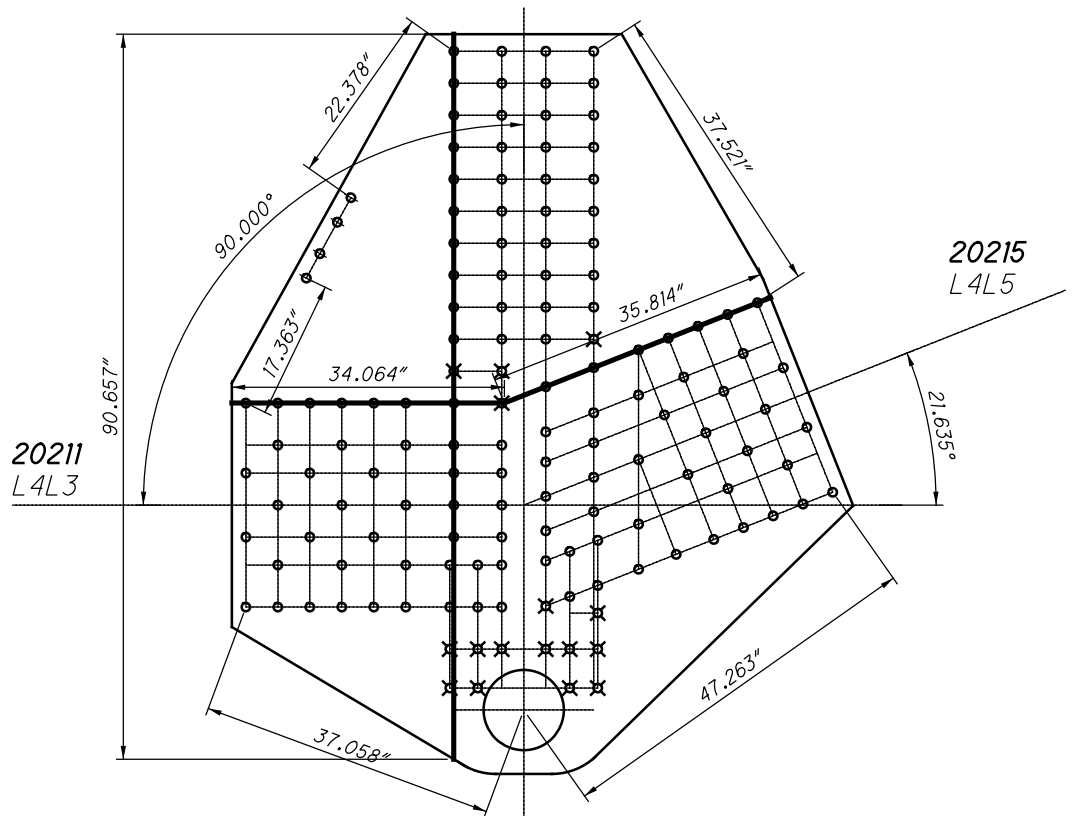


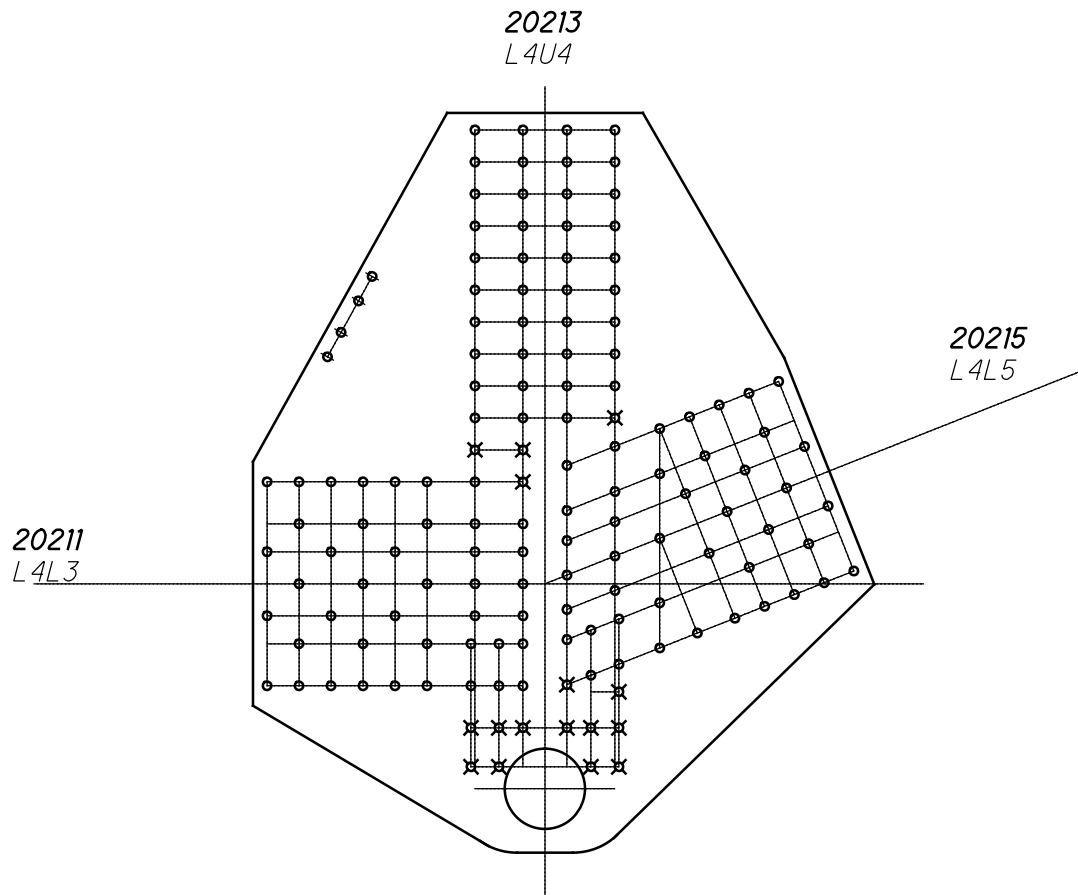
20213
L4U4

**L21 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

20215
L4L5

20211
L4L3





**L21 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

20222
L5U4

20223
L5U5

20223
L5U5

20225
L5L6

20225
L5L6

20221
L5L4

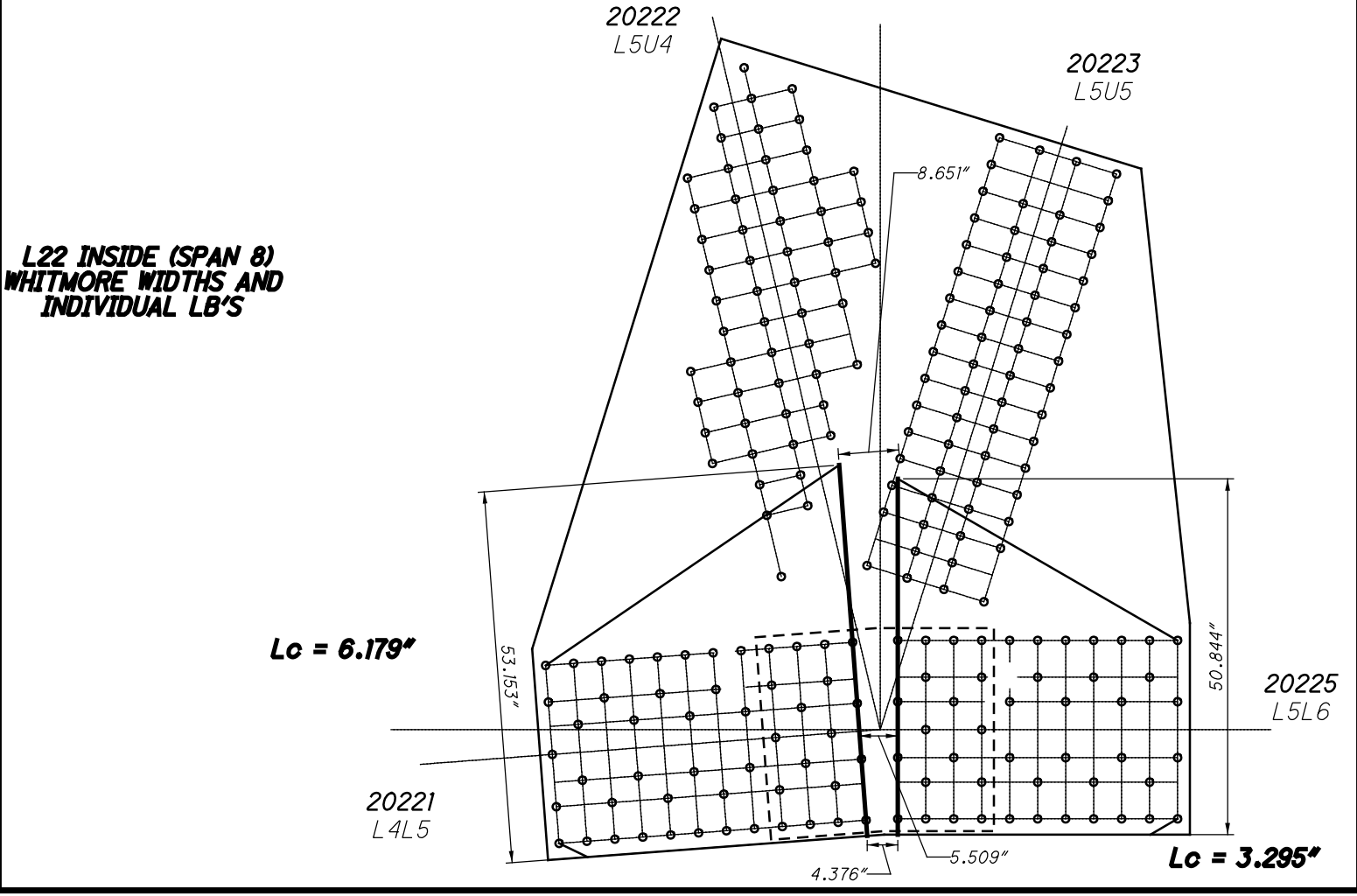
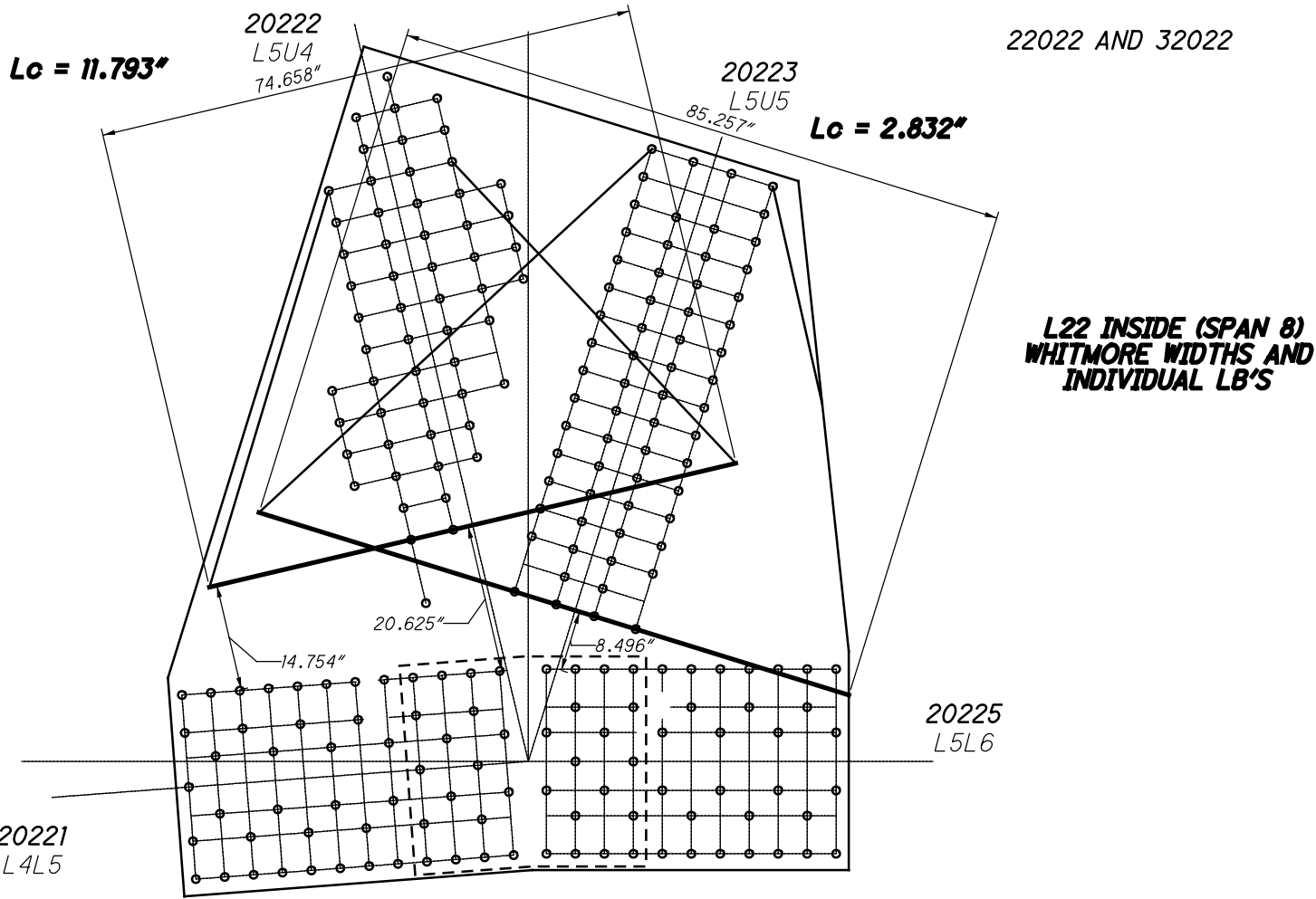
20221
L5L4

SPLICE PLATE
29 $\frac{3}{4}$ " X $\frac{7}{16}$ " X 2'-10"

SPLICE PLATE
29 $\frac{3}{4}$ " X $\frac{7}{16}$ " X 2'-10"

**L22 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

**L22 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



20222
L5U4

49 RIVETS
x 2 PLATES
=98 RIVETS

20223
L5U5

64 RIVETS
x 2 PLATES
=128 RIVETS

22022 AND 32022

**L22 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

51 RIVETS
x 2 PLATES
=102 RIVETS

18 SPLICE P
x 2 PLATES
=36 RIVETS

46 RIVETS
x 2 PLATES
=92 RIVETS

18 SPLICE P
x 2 PLATES
=36 RIVETS

20221
L4L5

20225
L5L6

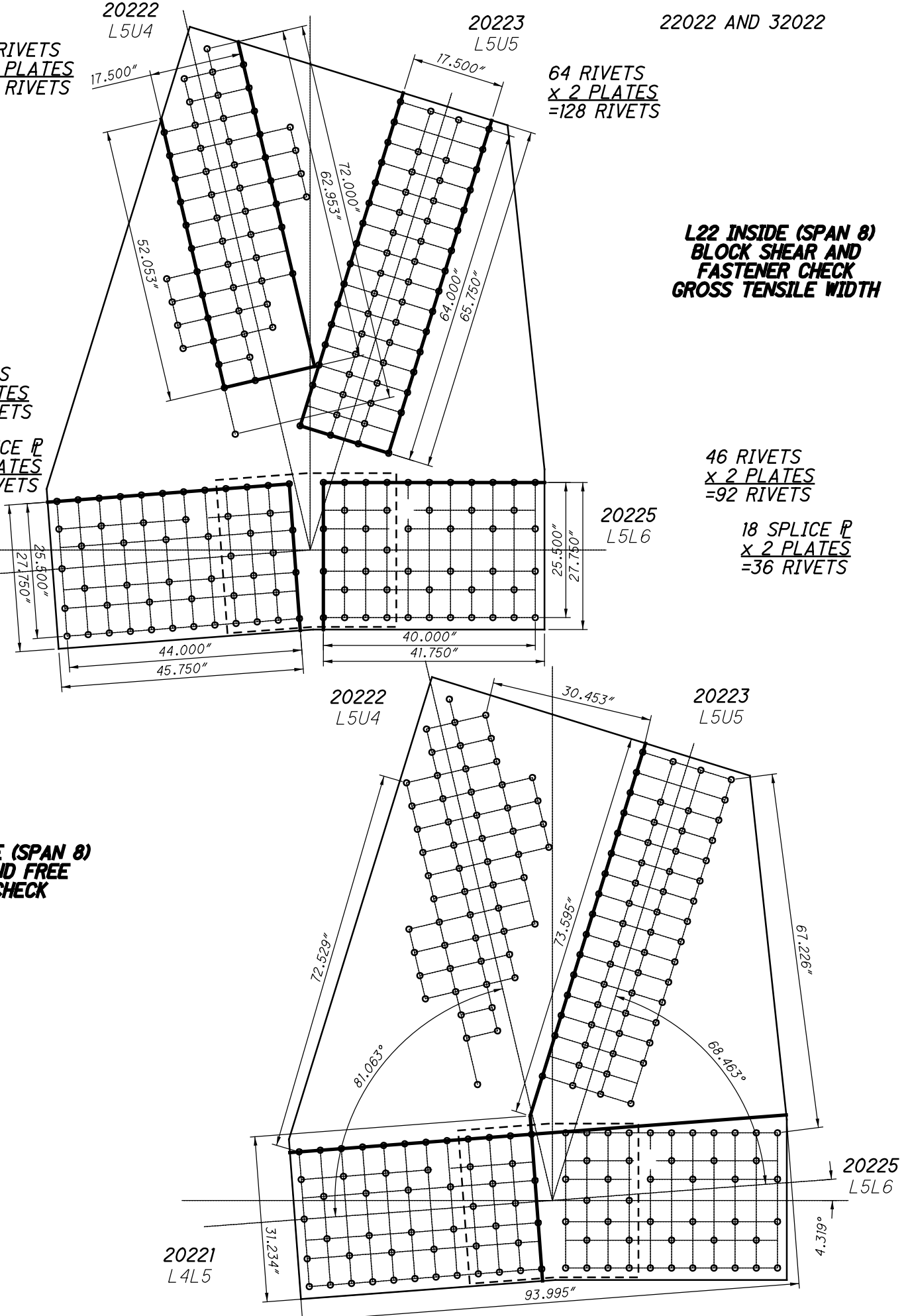
20222
L5U4

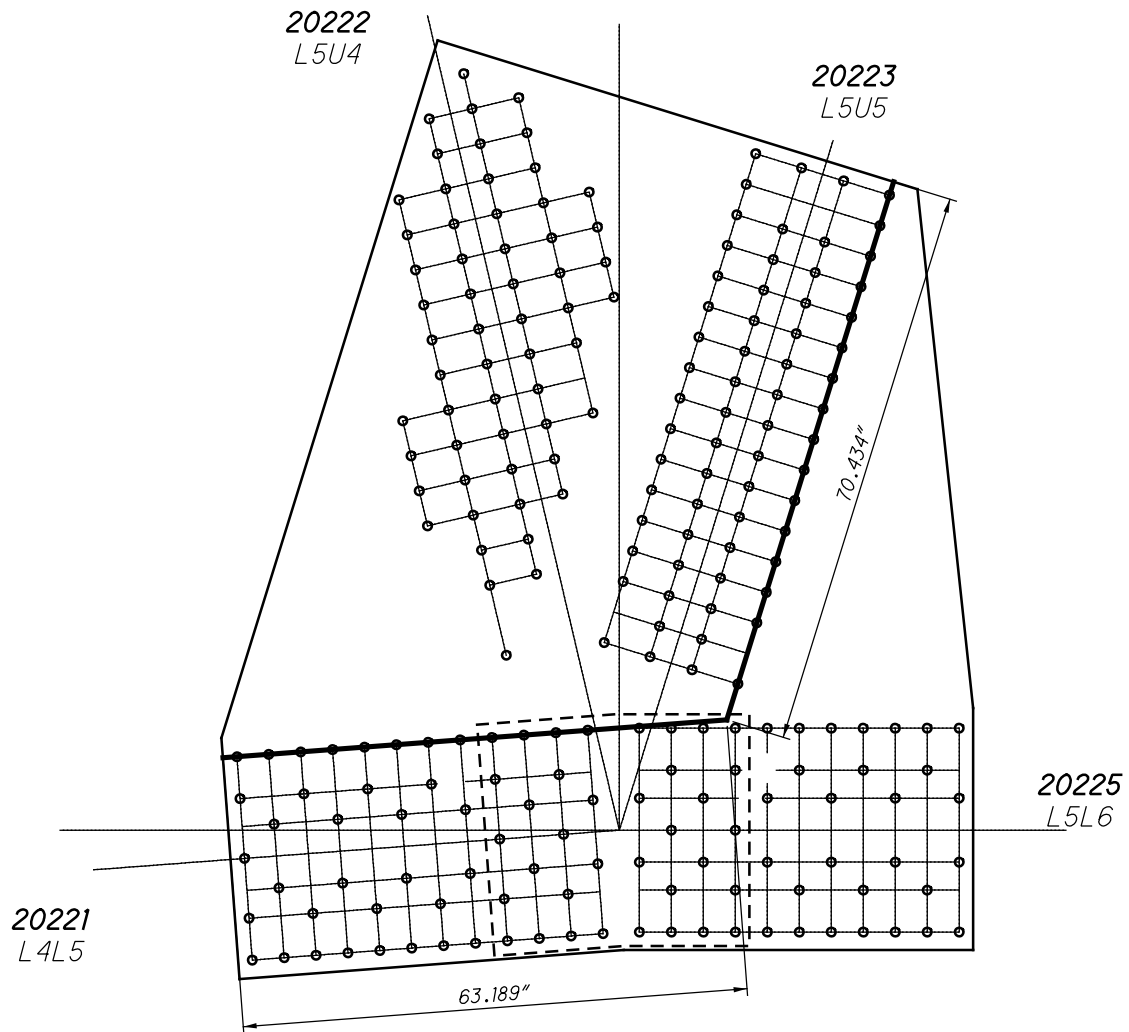
20223
L5U5

**L22 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

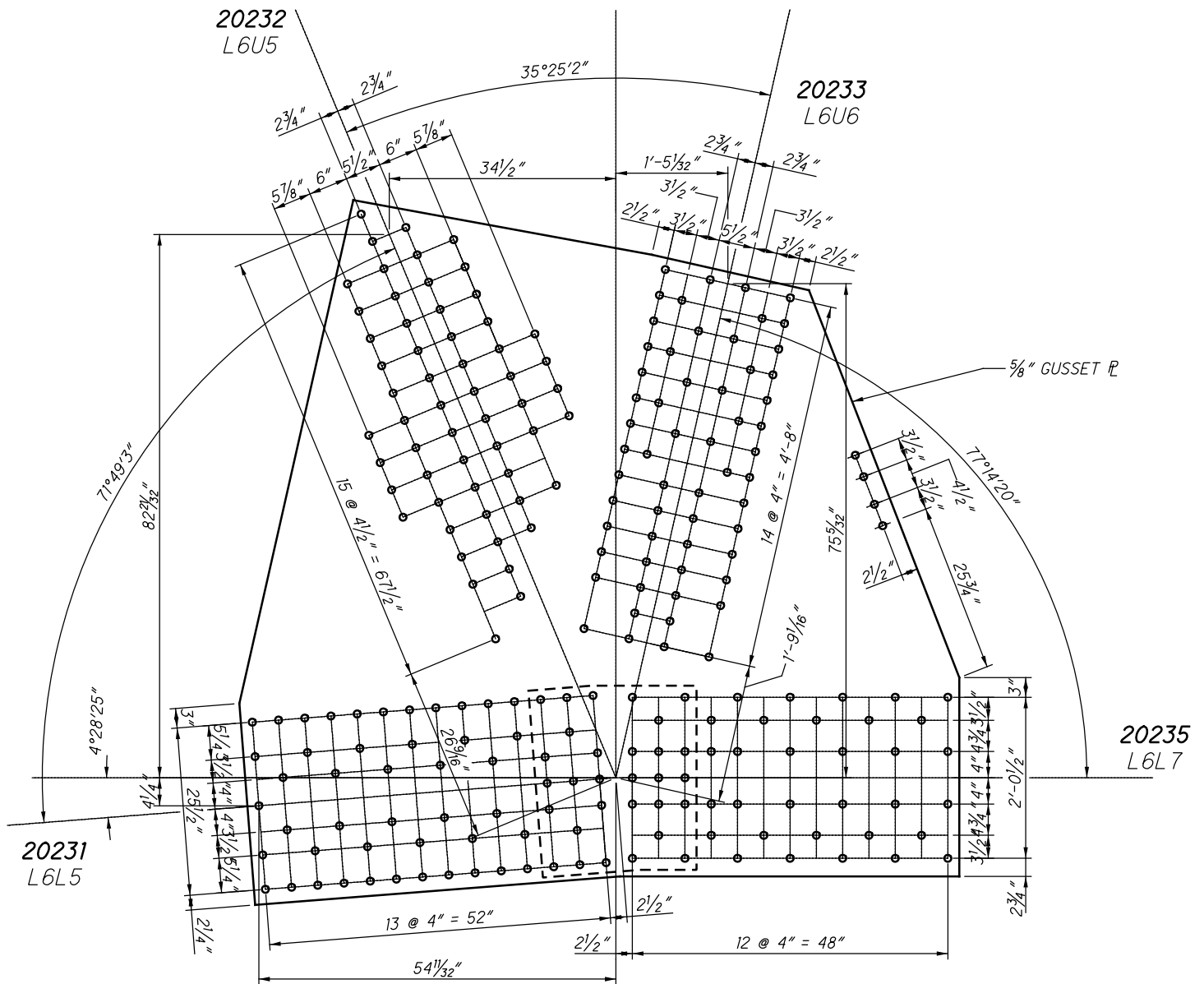
20221
L4L5

20225
L5L6

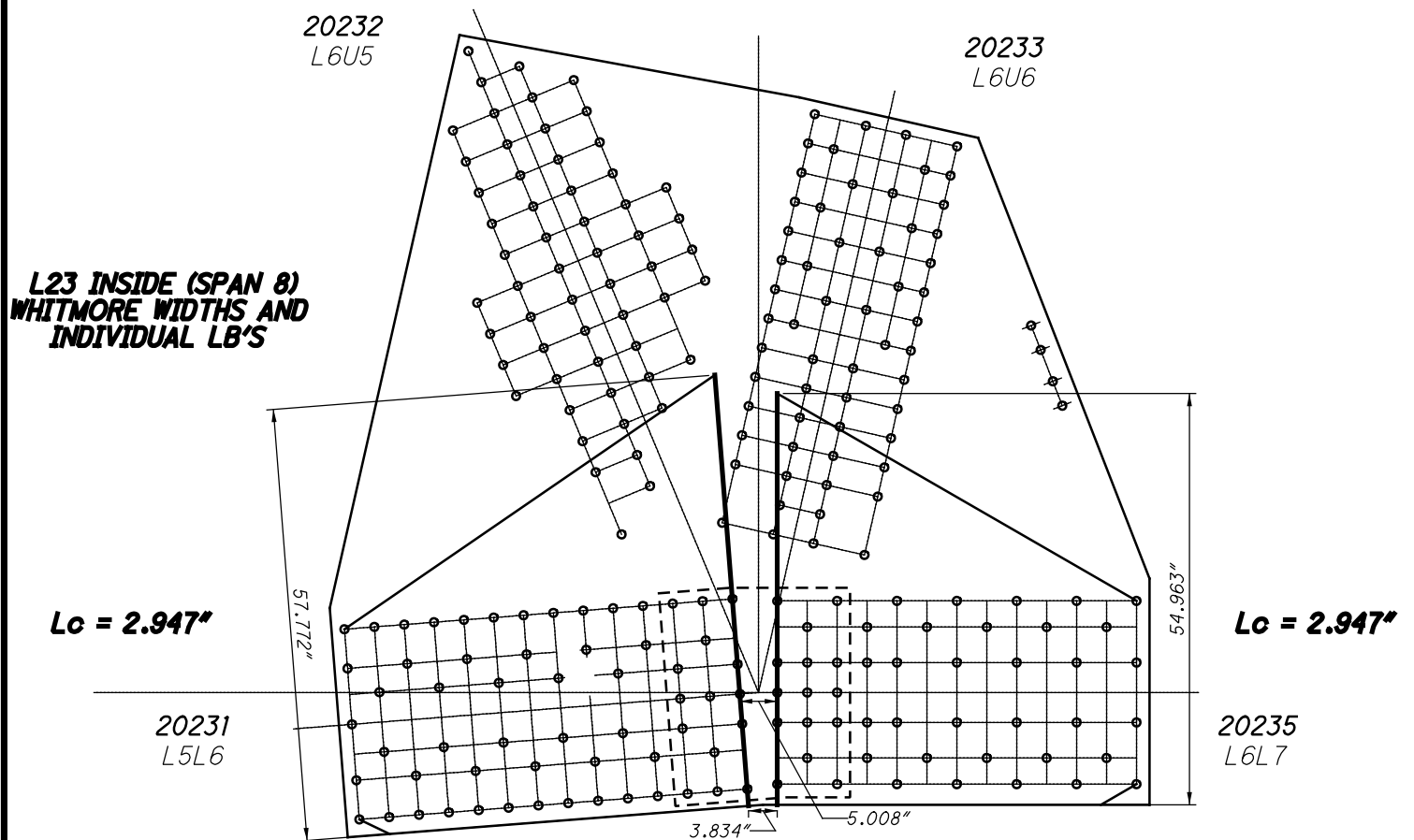
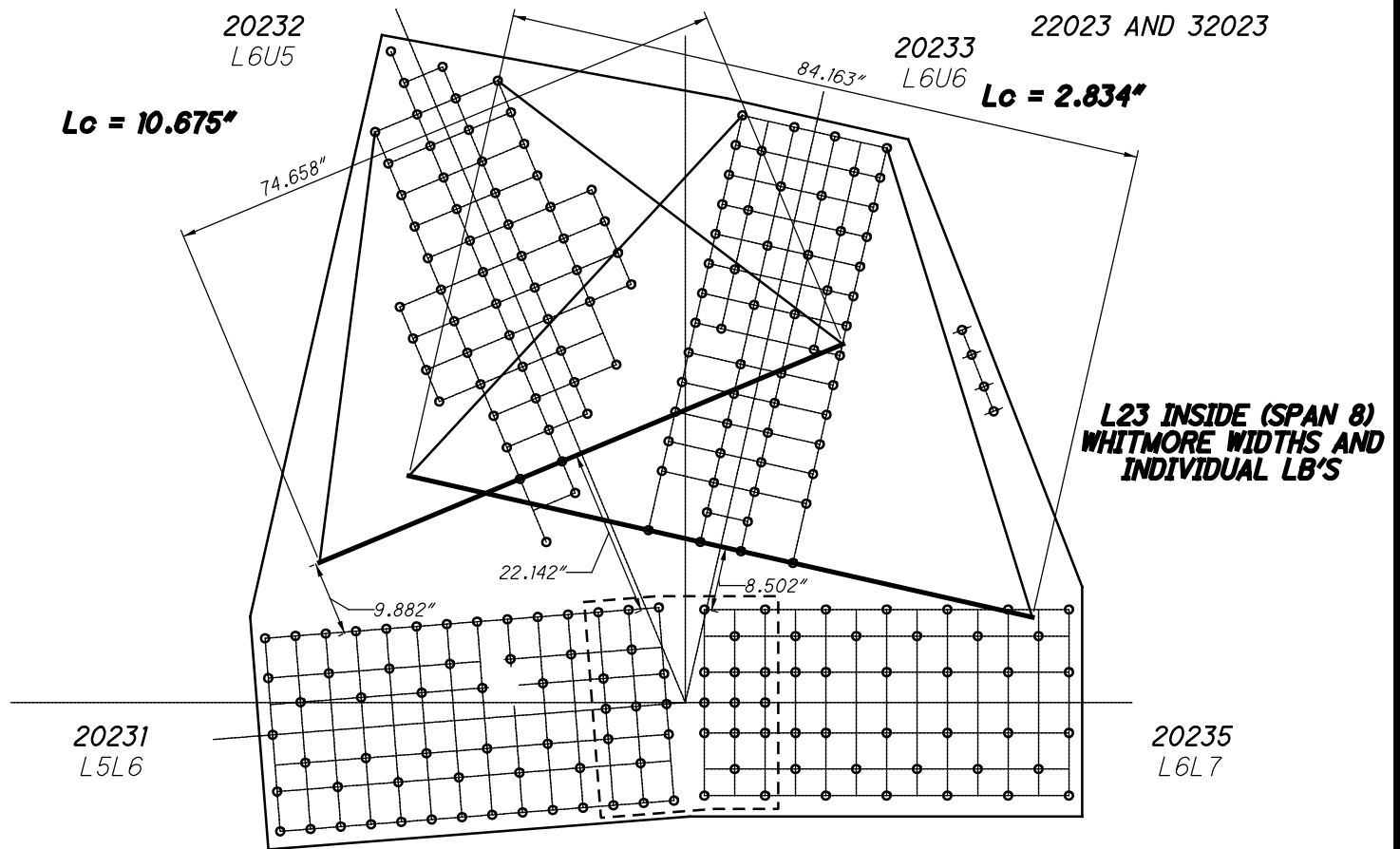




**L22 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L23 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



49 RIVETS
 $\times 2 \text{ PLATES}$
 =98 RIVETS

20232
 L6U5

22023 AND 32023

20233
 L6U6
 58 RIVETS
 $\times 2 \text{ PLATES}$
 =116 RIVETS

**L23 INSIDE (SPAN 8)
 BLOCK SHEAR AND
 FASTENER CHECK
 GROSS TENSILE WIDTH**

60 RIVETS
 $\times 2 \text{ PLATES}$
 =120 RIVETS

20231
 L5L6

15 SPLICE P
 $\times 2 \text{ PLATES}$
 =30 RIVETS

47 RIVETS
 $\times 2 \text{ PLATES}$
 =94 RIVETS

20235
 L6L7

15 SPLICE P
 $\times 2 \text{ PLATES}$
 =30 RIVETS

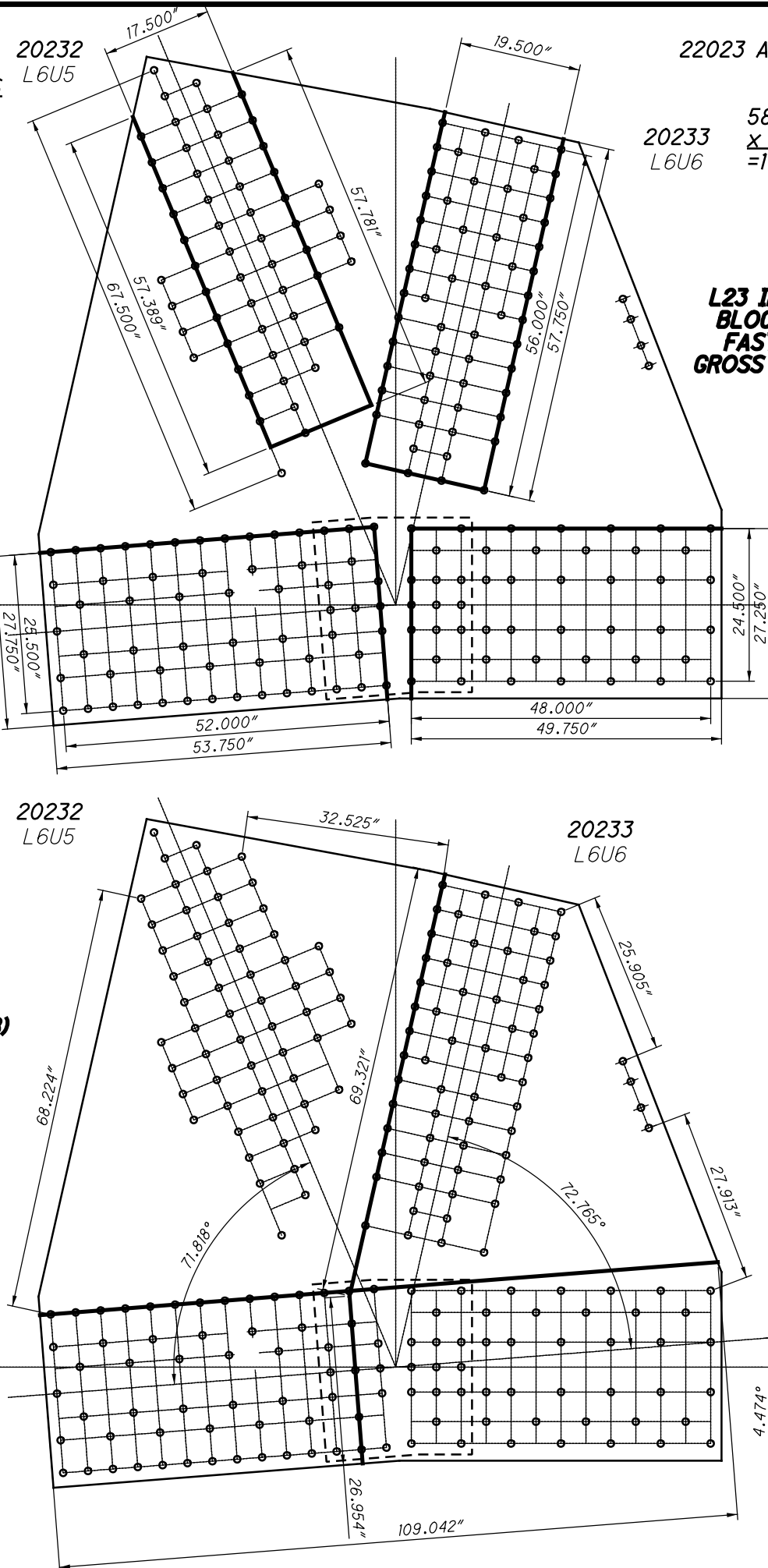
20232
 L6U5

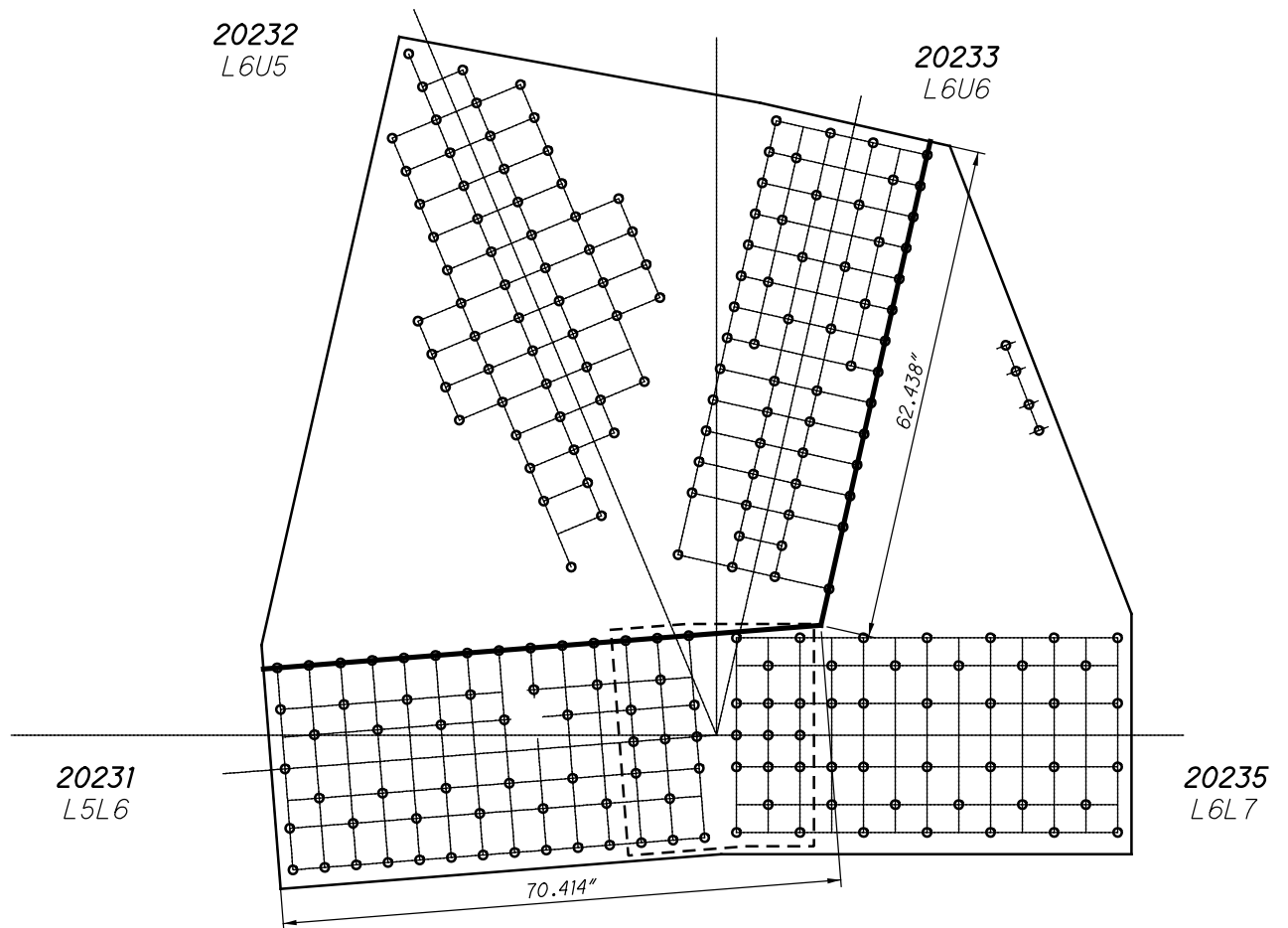
20233
 L6U6

**L23 INSIDE (SPAN 8)
 SHEAR AND FREE
 EDGE CHECK**

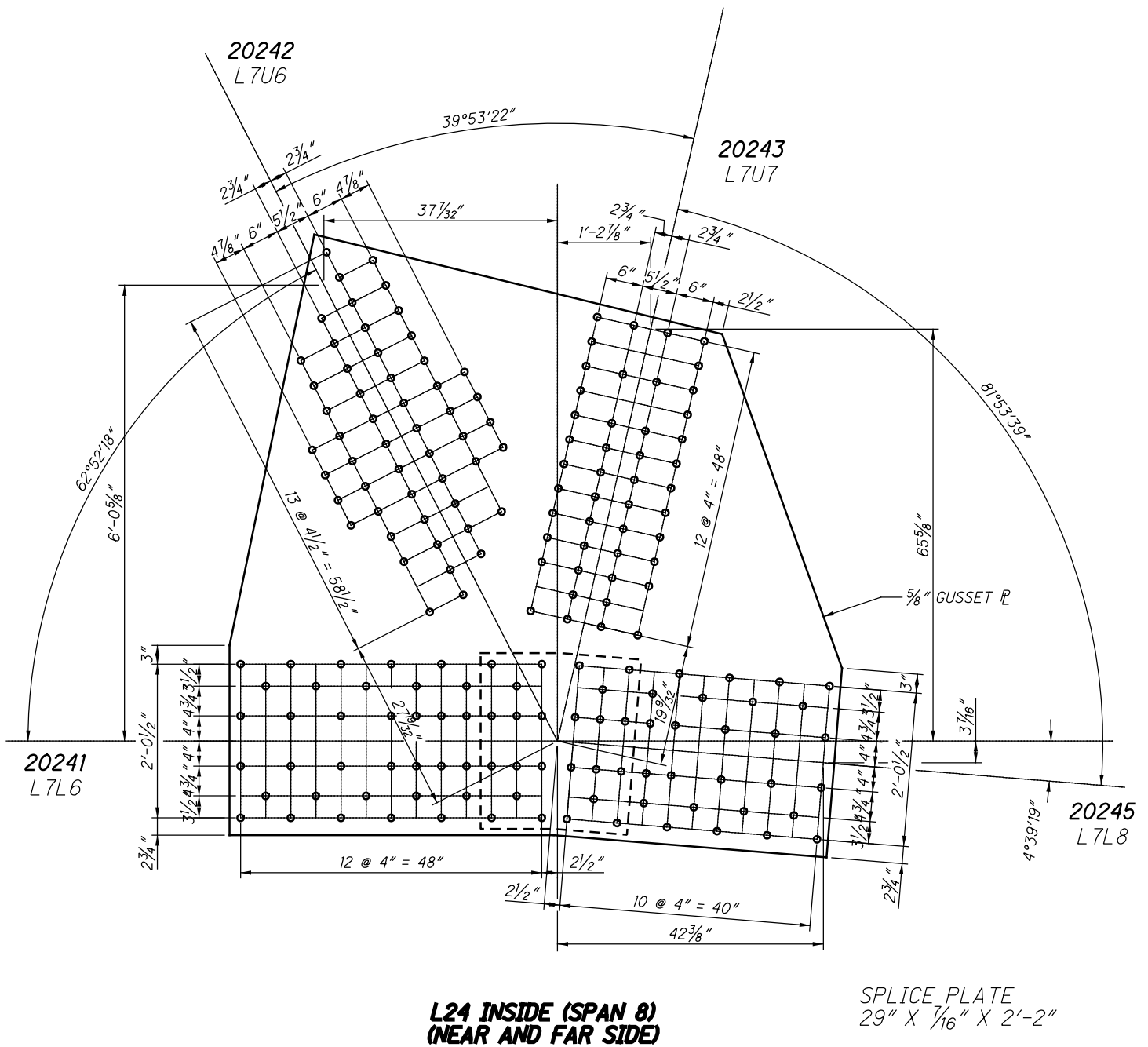
20231
 L5L6

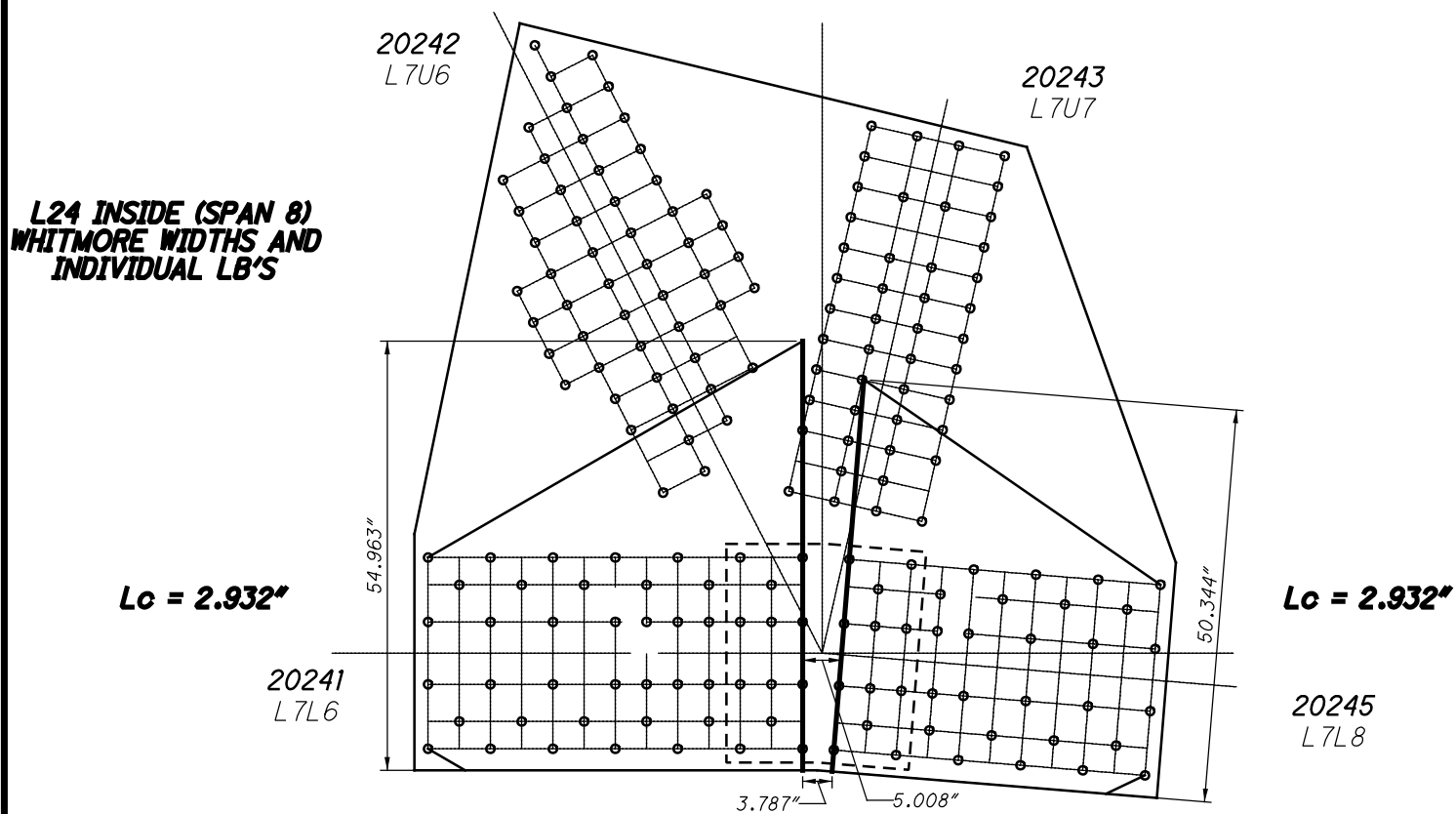
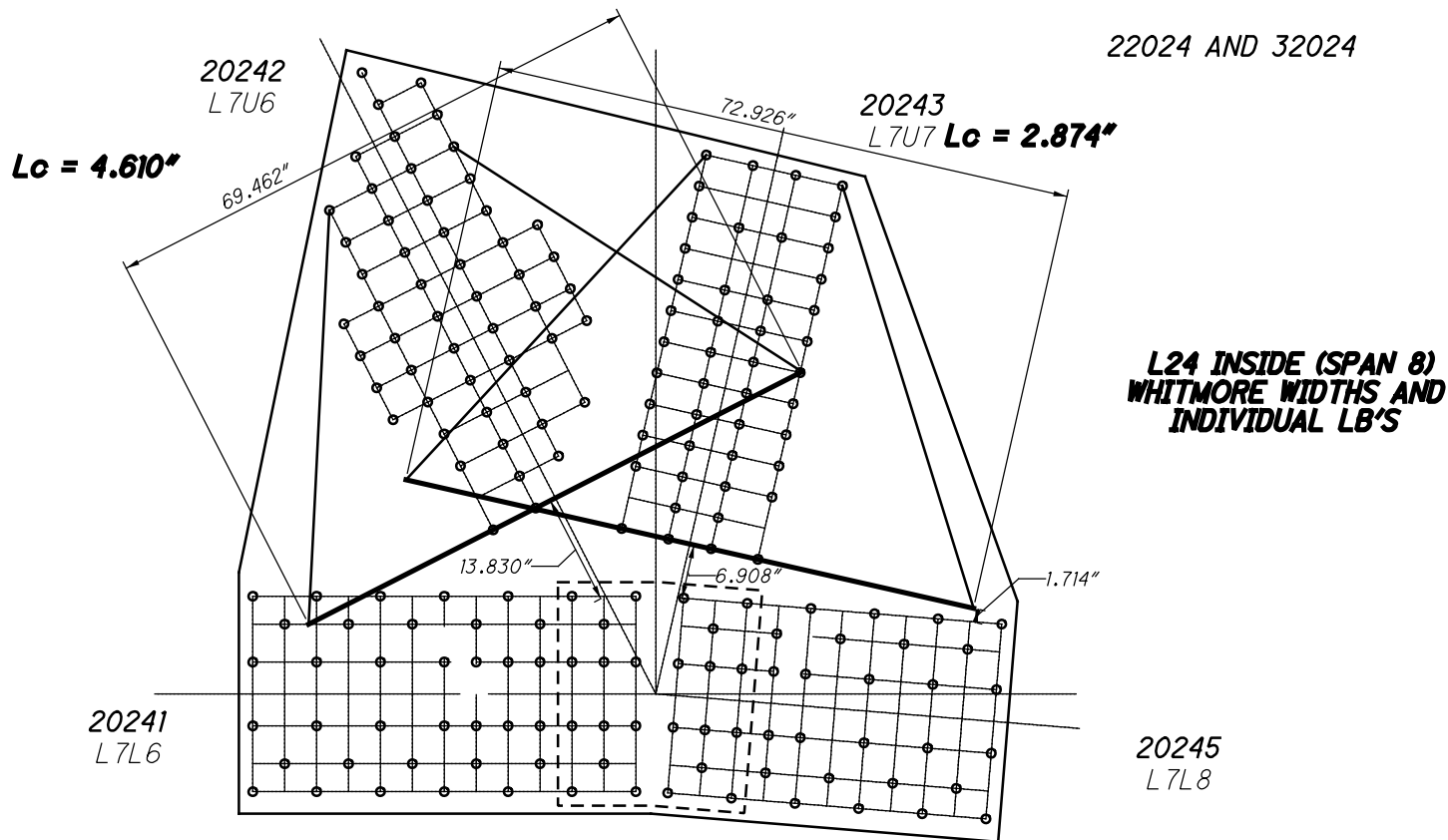
20235
 L6L7

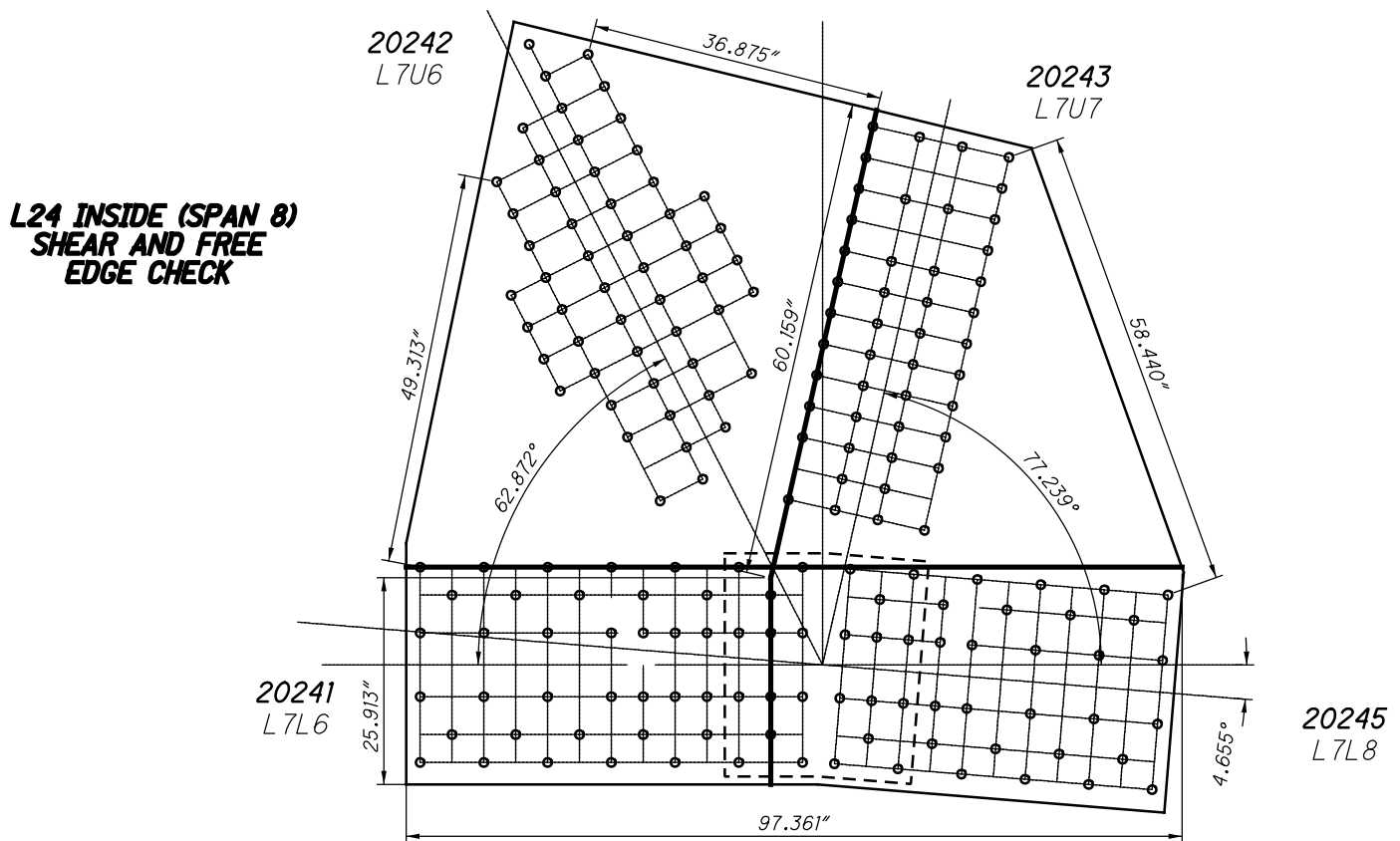
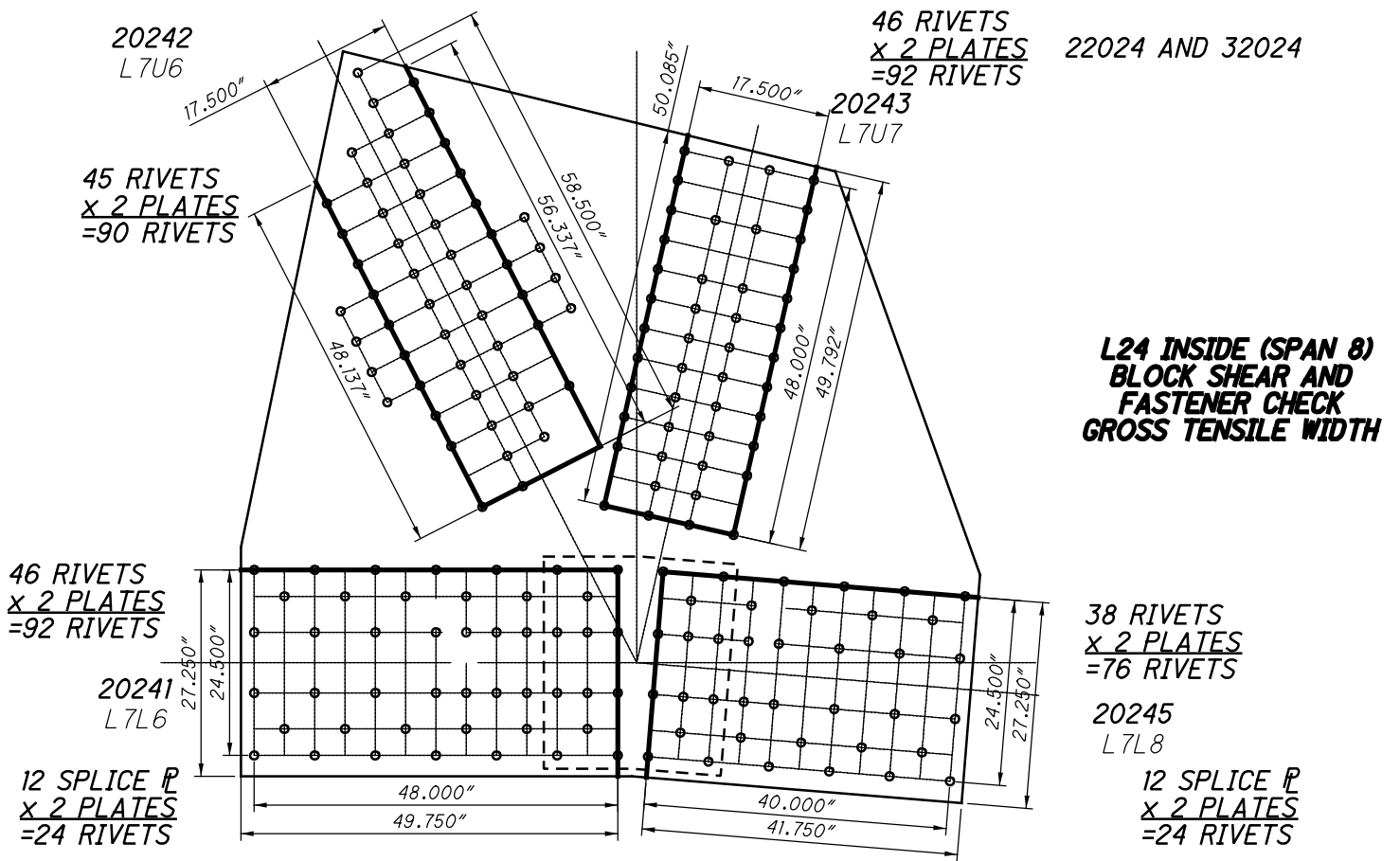


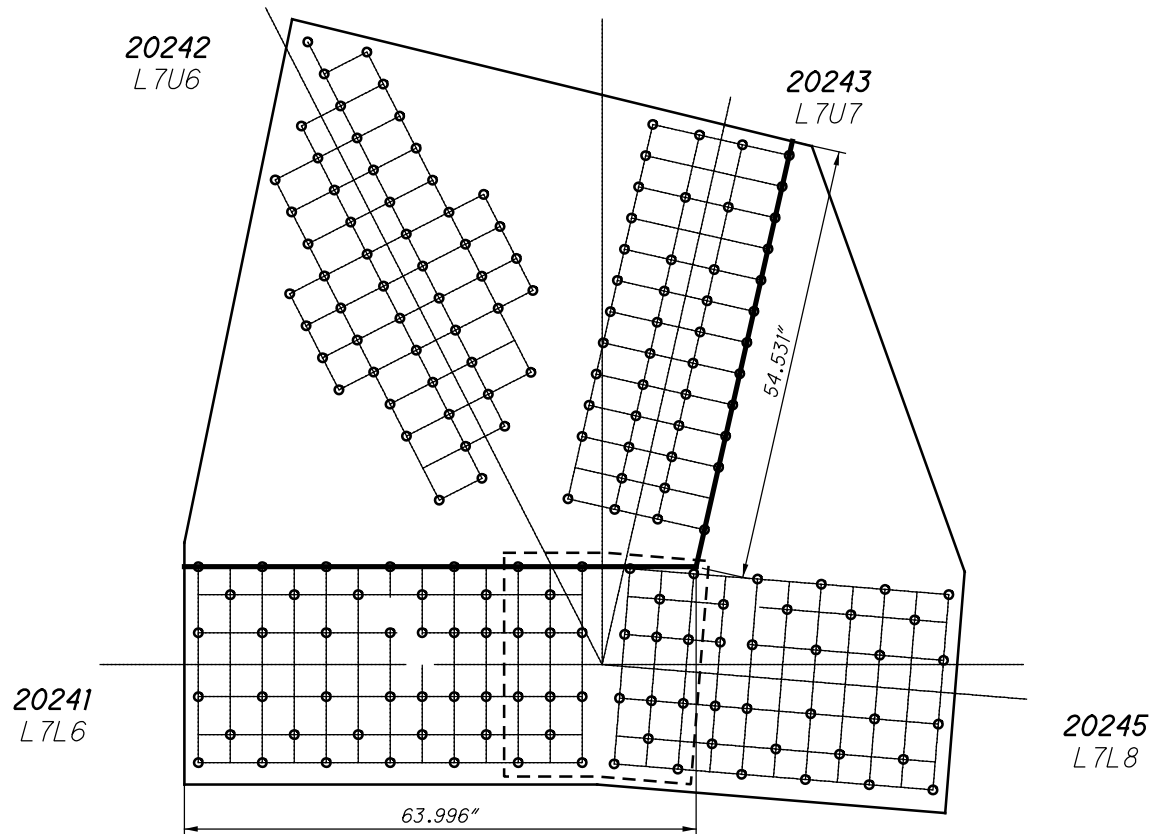


**L23 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

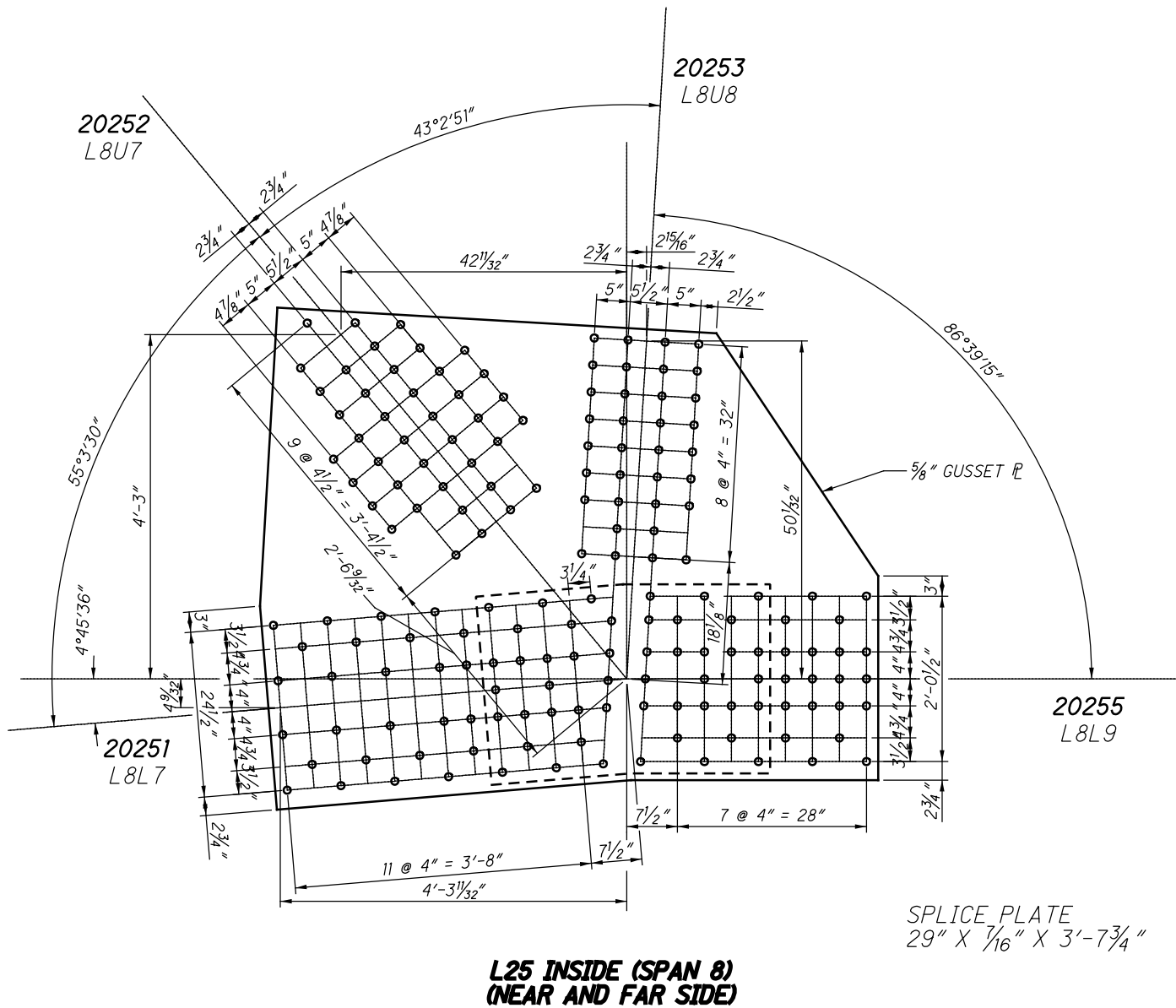








**L24 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



$L_c = 5.112''$

20253
L8U8

$L_c = 3.392''$

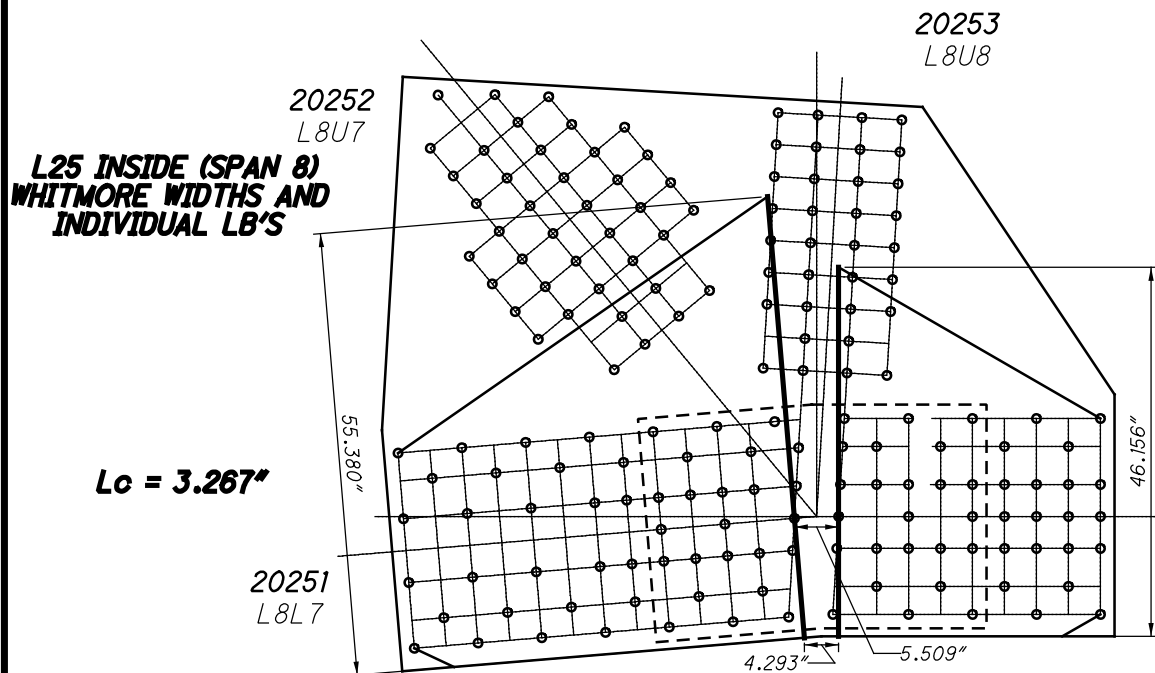
22025 AND 32025

20252
L8U7

20251
L8L7

**L25 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

20255
L8L9



22025 AND 32025

33 RIVETS
x 2 PLATES
=66 RIVETS

20252
L8U7

20253
L8U8

34 RIVETS
x 2 PLATES
=68 RIVETS

**L25 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

50 RIVETS
x 2 PLATES
=100 RIVETS

20251
L8L7

20255
L8L9

44 RIVETS
x 2 PLATES
=88 RIVETS

24 SPLICE P
x 2 PLATES
=48 RIVETS

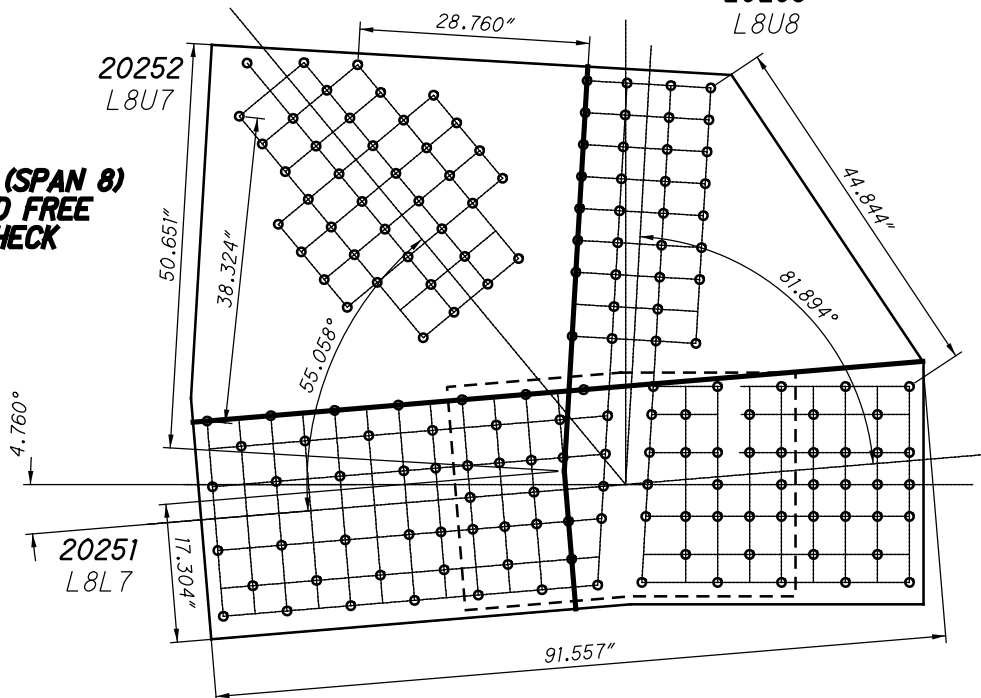
24 SPLICE P
x 2 PLATES
=48 RIVETS

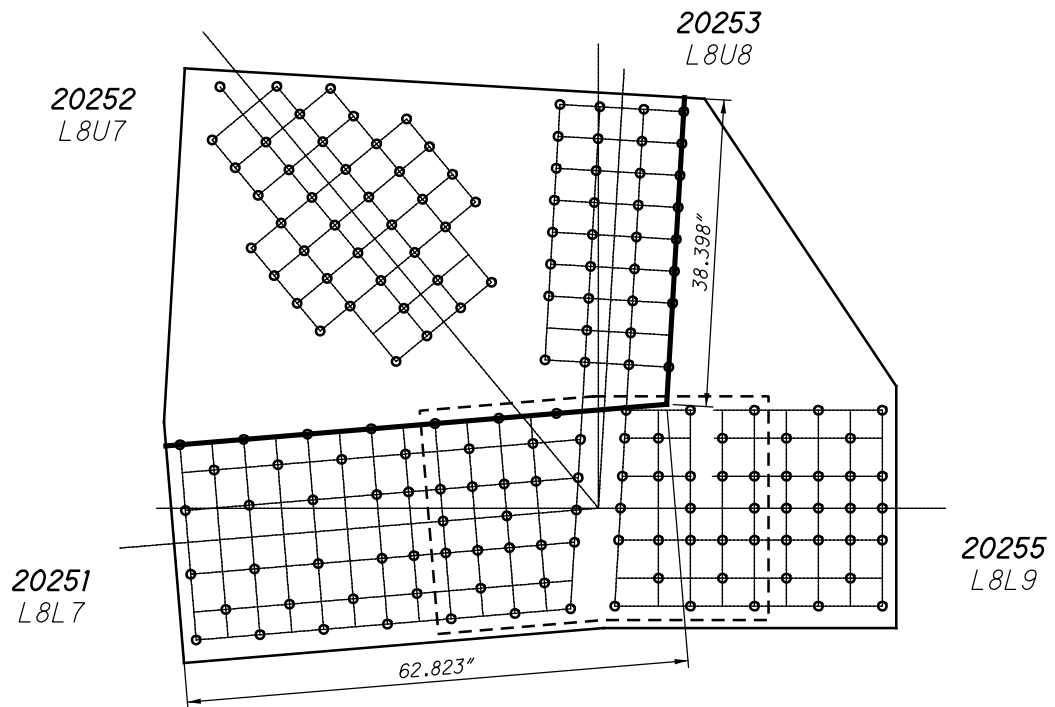
**L25 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

20252
L8U7

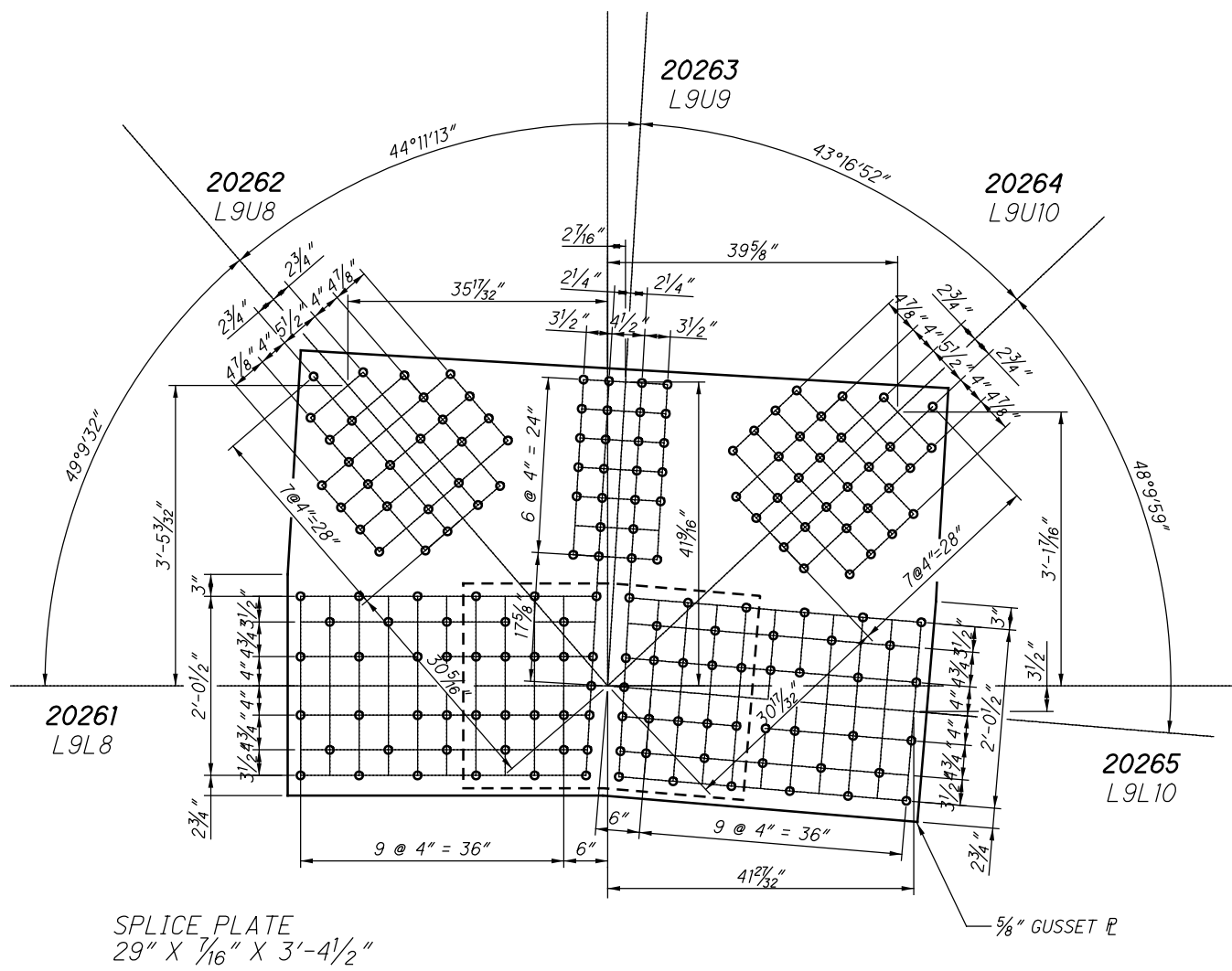
20253
L8U8

20255
L8L9





**L25 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L26 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

22026 AND 32026

$L_c = 5.913''$

20263
L9U9

20262
L9U8

20264
L9U10

$L_c = 5.786''$

$L_c = 5.602''$

**L26 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

20261
L9L8

20265
L9L10

20263
L9U9

20262
L9U8

20264
L9U10

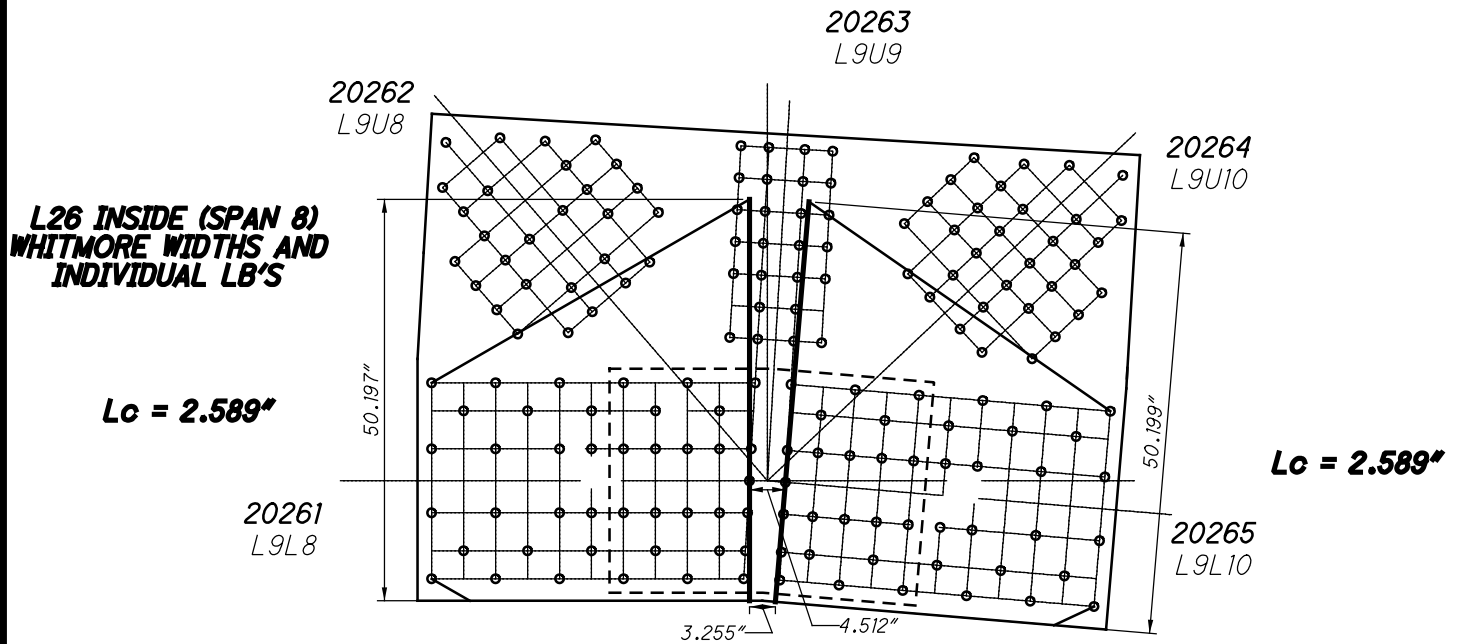
**L26 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

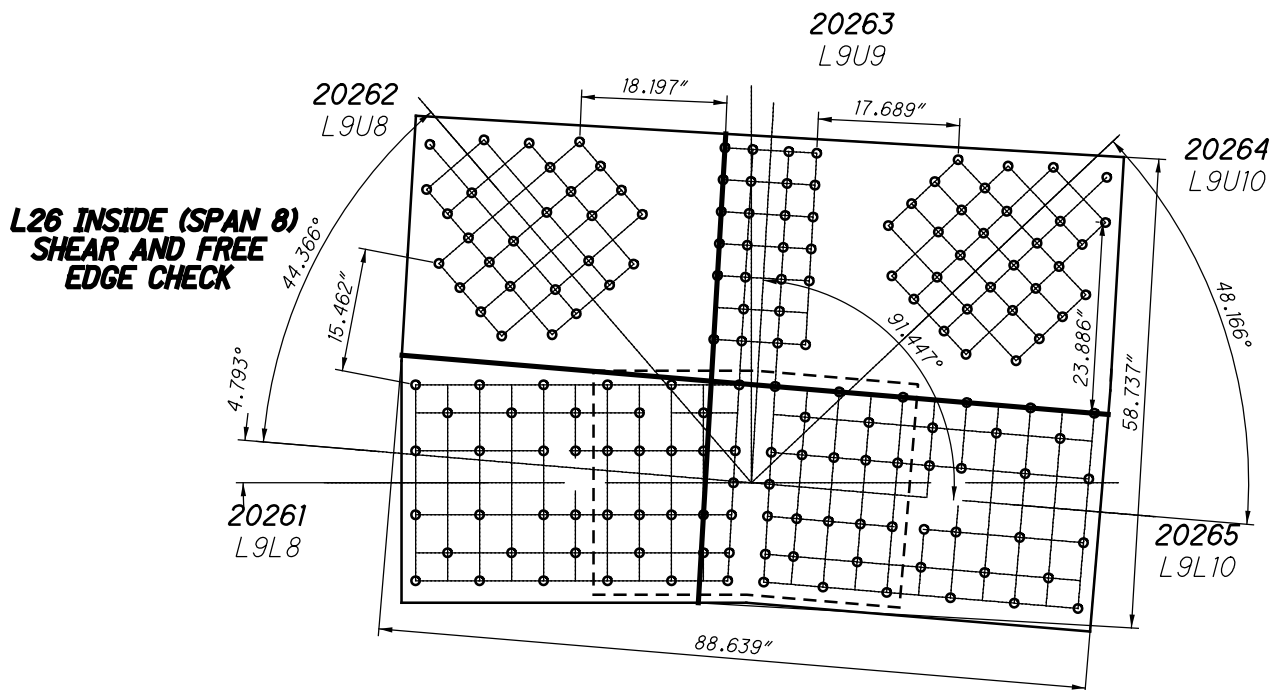
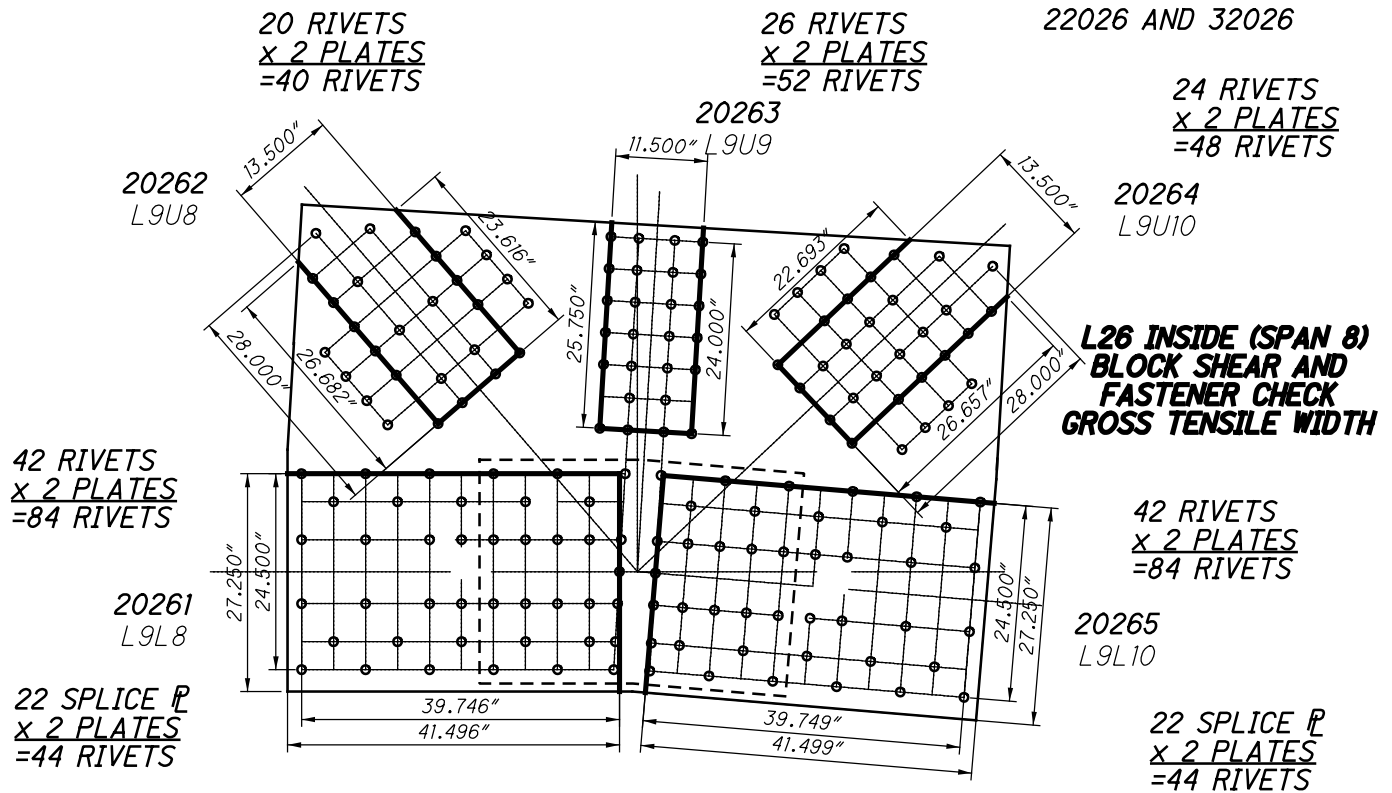
$L_c = 2.589''$

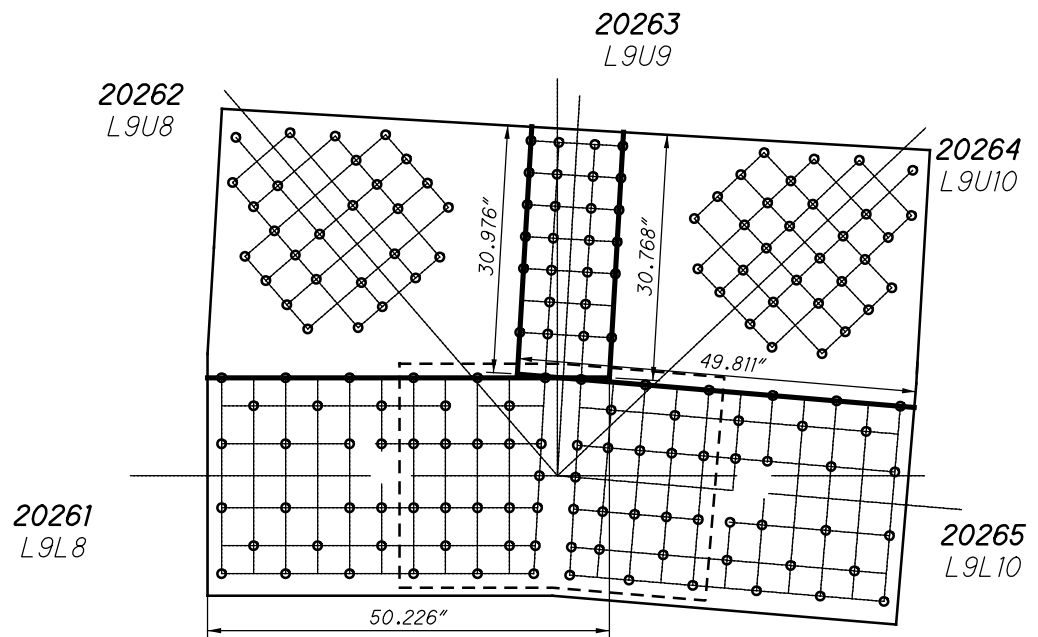
$L_c = 2.589''$

20261
L9L8

20265
L9L10

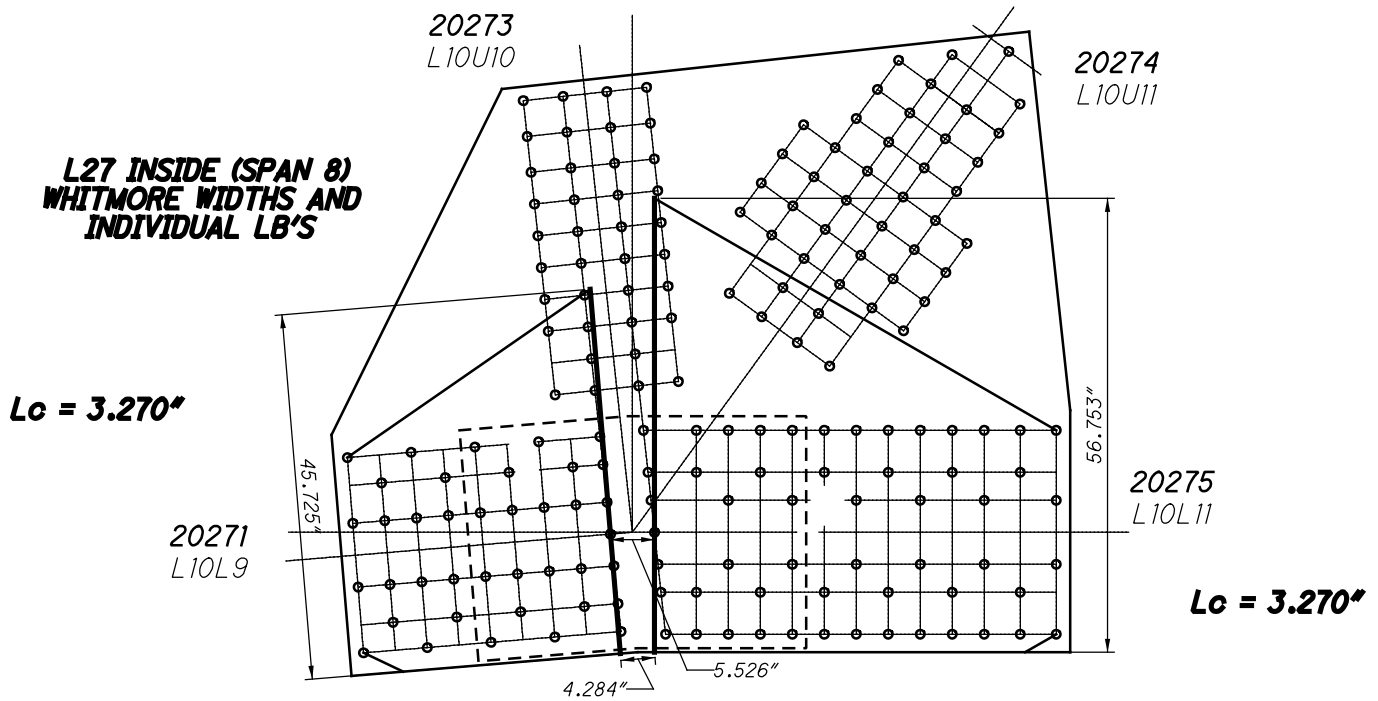
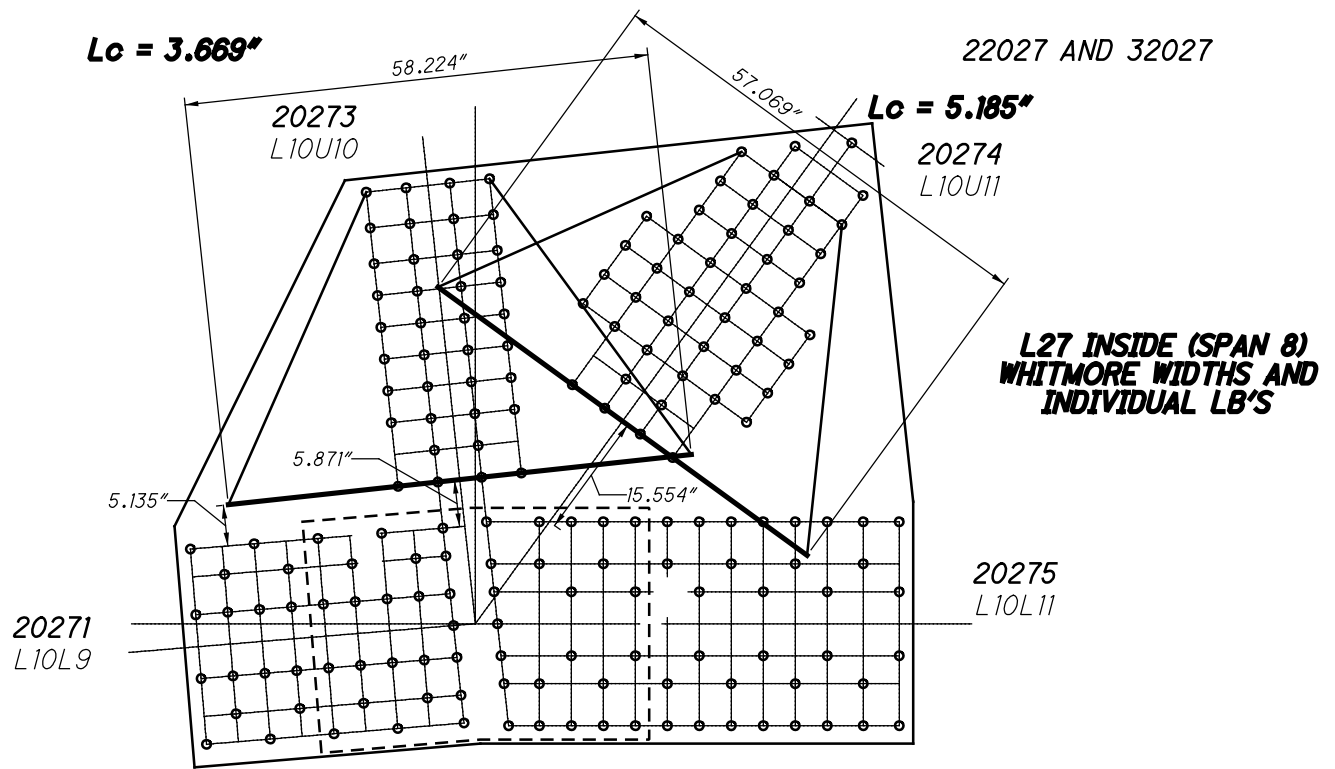






**L26 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**





38 RIVETS
x 2 PLATES
 =76 RIVETS

20273
 L10U10

22027 AND 32027

20274
 L10U11

37 RIVETS
x 2 PLATES
 =74 RIVETS

**L27 INSIDE (SPAN 8)
 BLOCK SHEAR AND
 FASTENER CHECK
 GROSS TENSILE WIDTH**

39 RIVETS
x 2 PLATES
 =78 RIVETS

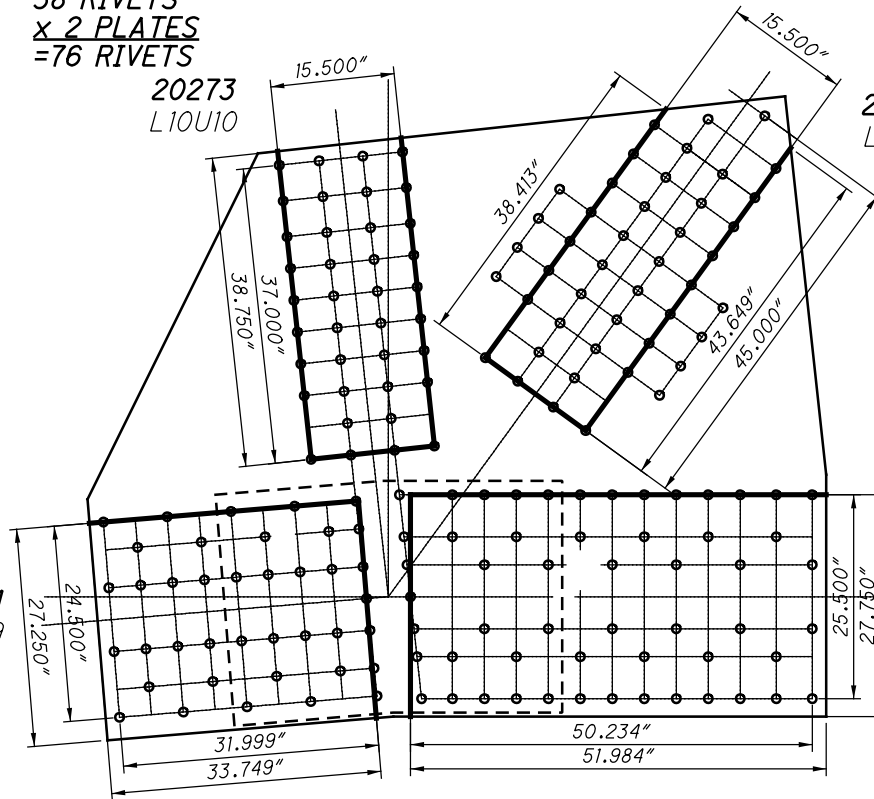
20271
 L10L9

55 RIVETS
x 2 PLATES
 =110 RIVETS

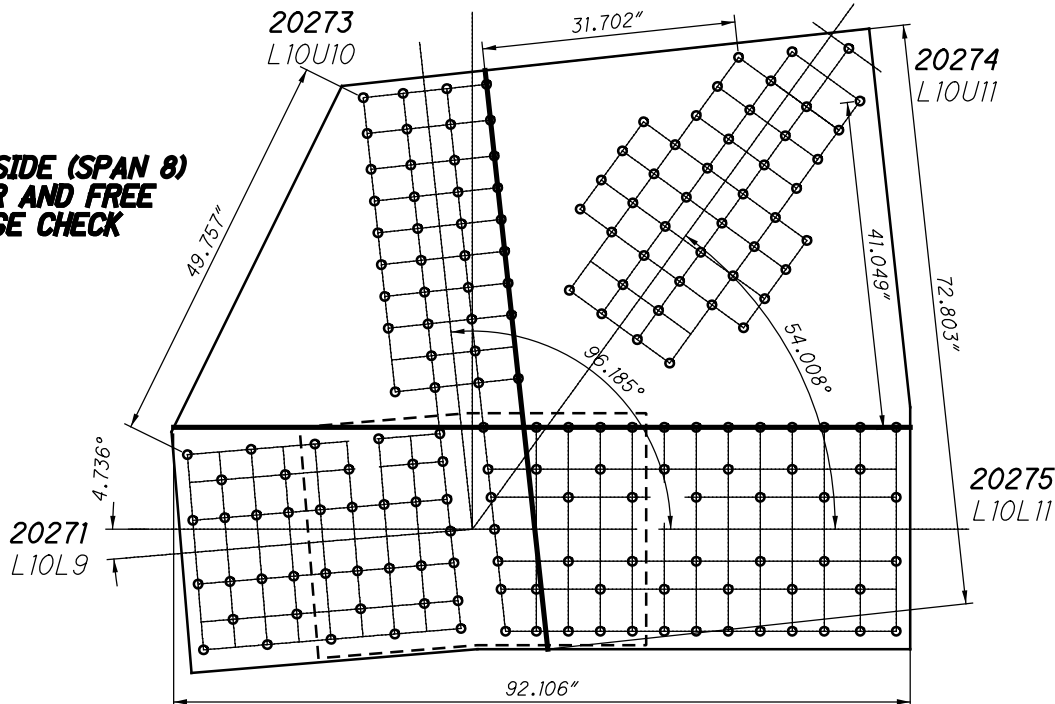
20275
 L10L11

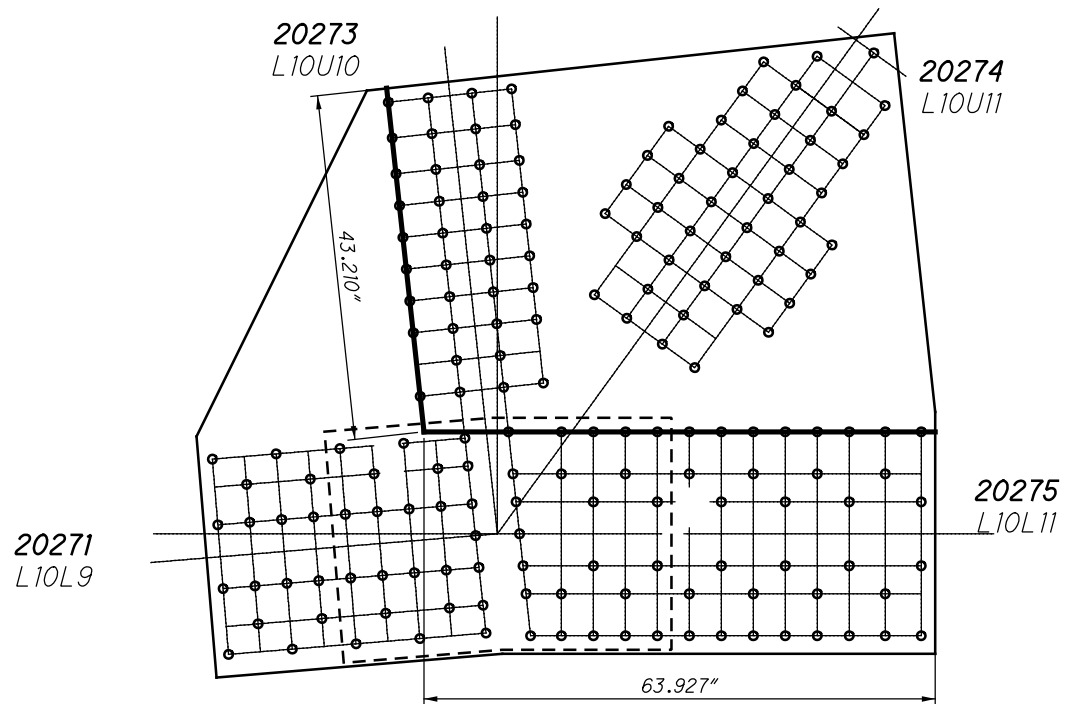
23 SPLICE P
x 2 PLATES
 =46 RIVETS

23 SPLICE P
x 2 PLATES
 =46 RIVETS

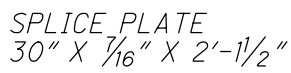


**L27 INSIDE (SPAN 8)
 SHEAR AND FREE
 EDGE CHECK**





**L27 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L28 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

$L_c = 2.738''$

20283
L11U11

22028 AND 32028

20284
L11U12

$L_c = 6.298''$

**L28 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

2.006"

6.207"

18.895"

74.658"

20281
L11L10

20285
L11L12

**L28 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

20283
L11U11

20284
L11U12

$L_c = 2.931''$

$L_c = 2.931''$

20281
L11L10

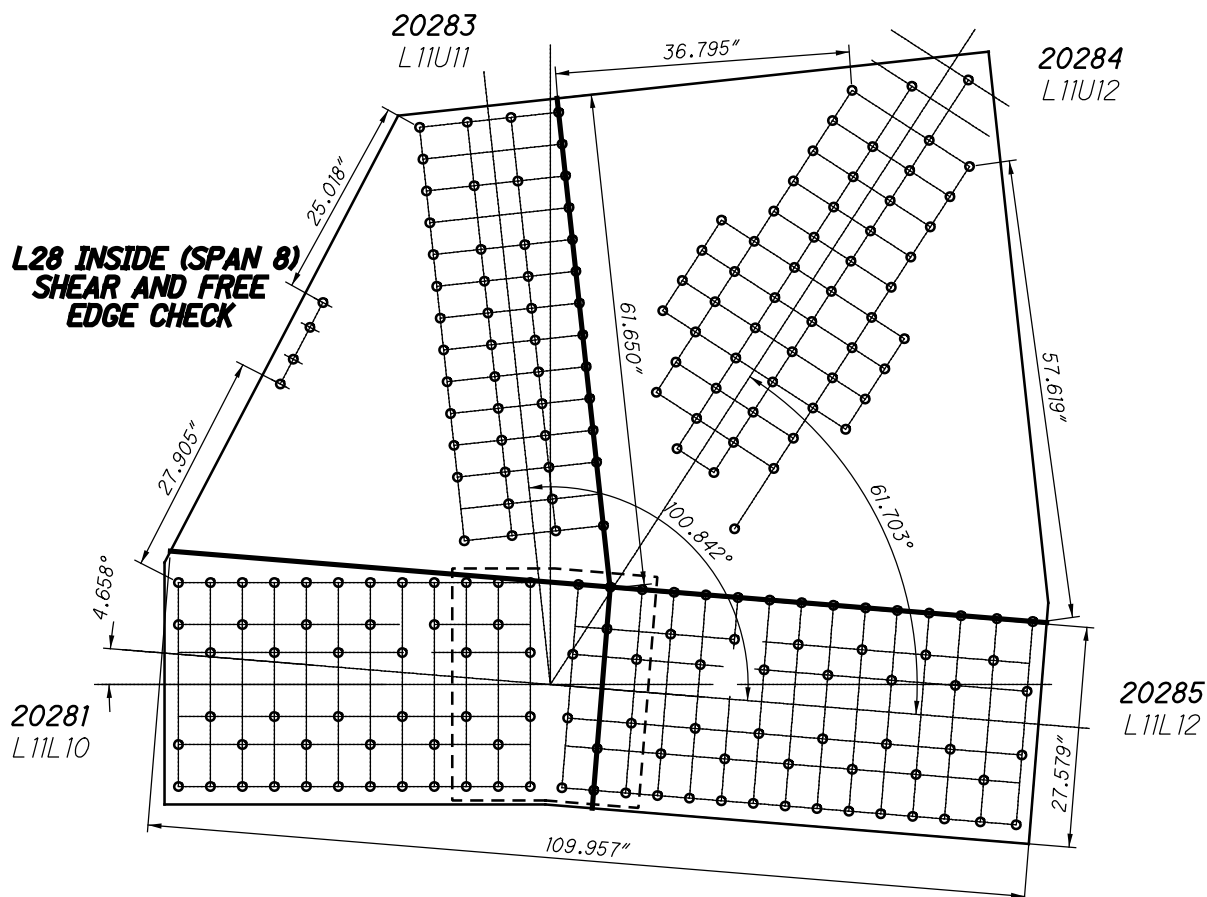
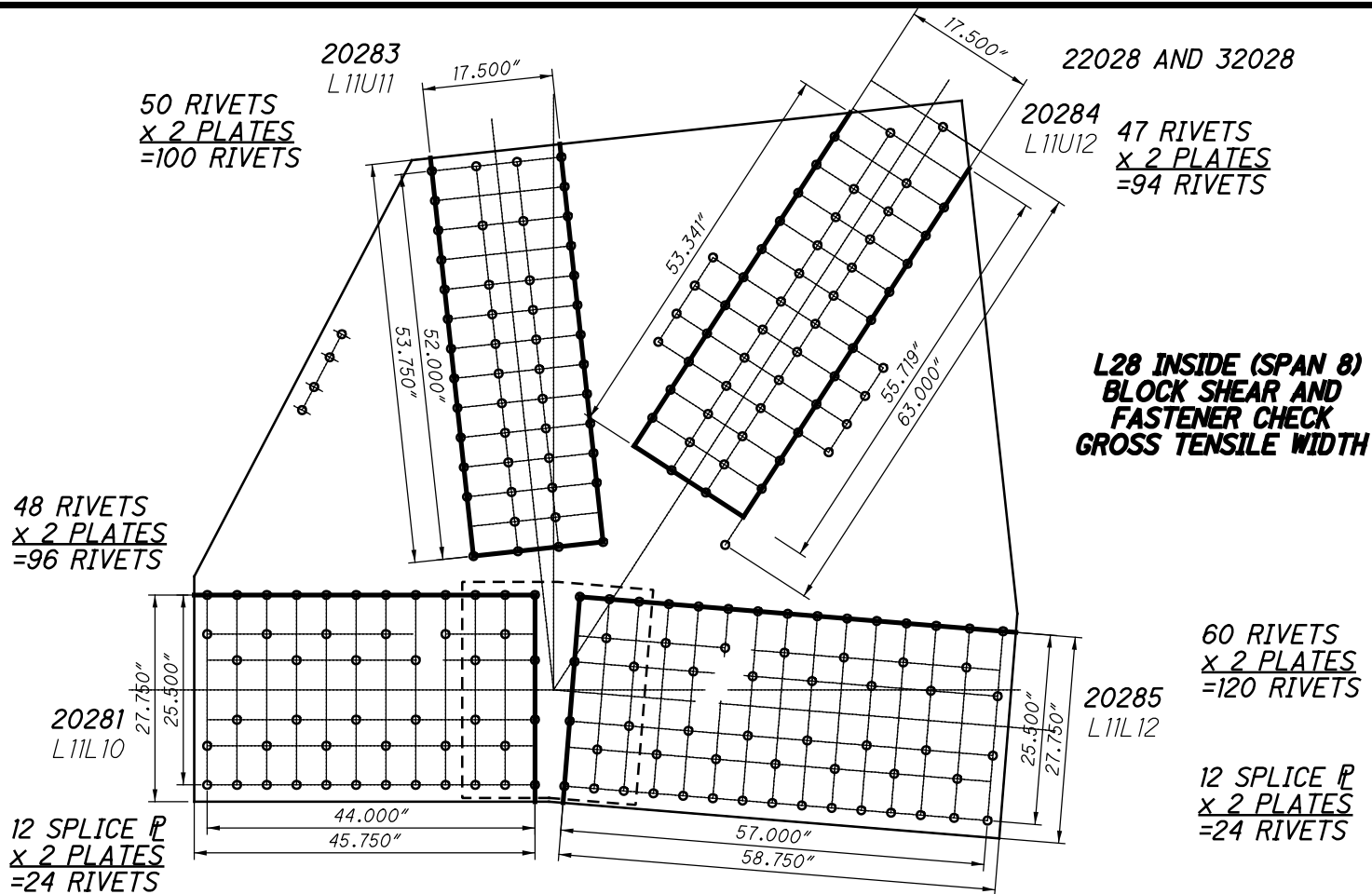
20285
L11L12

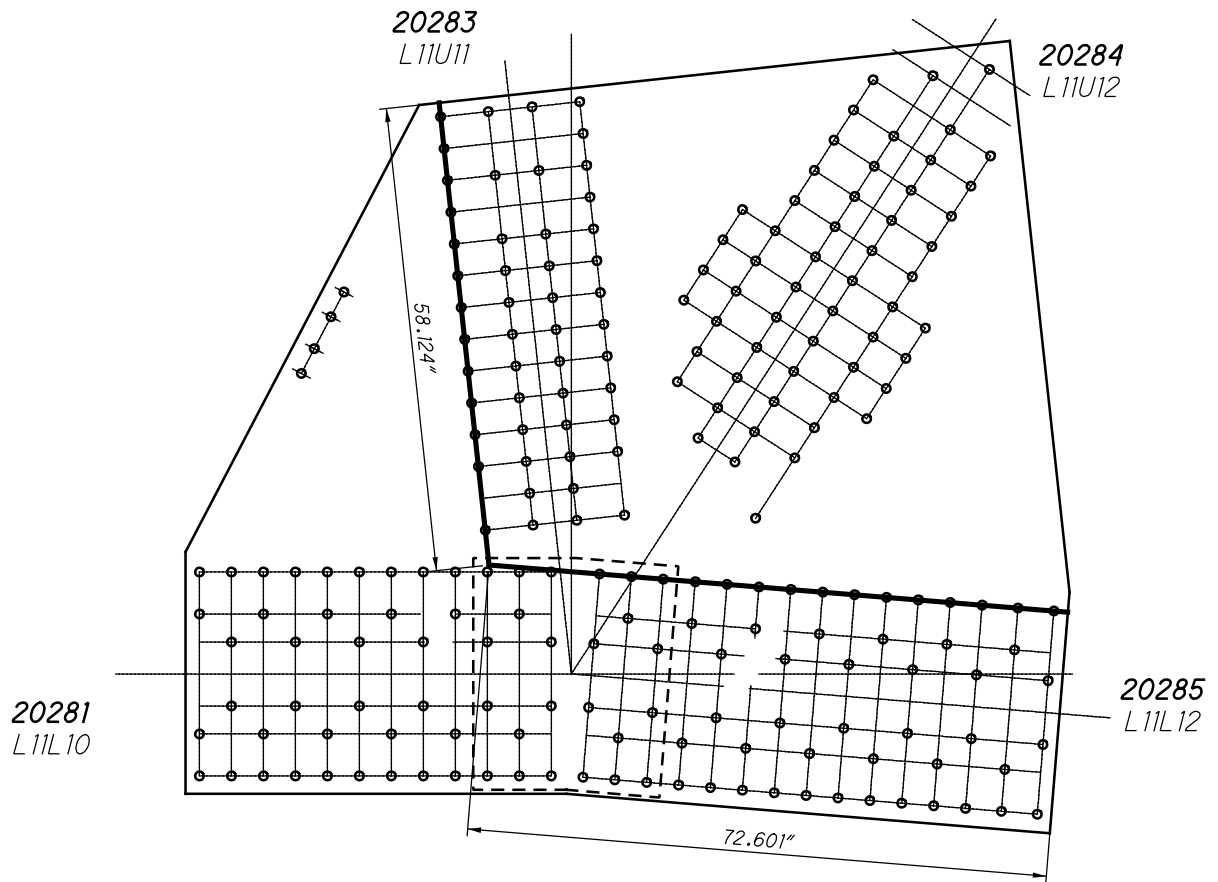
53.153"

60.659"

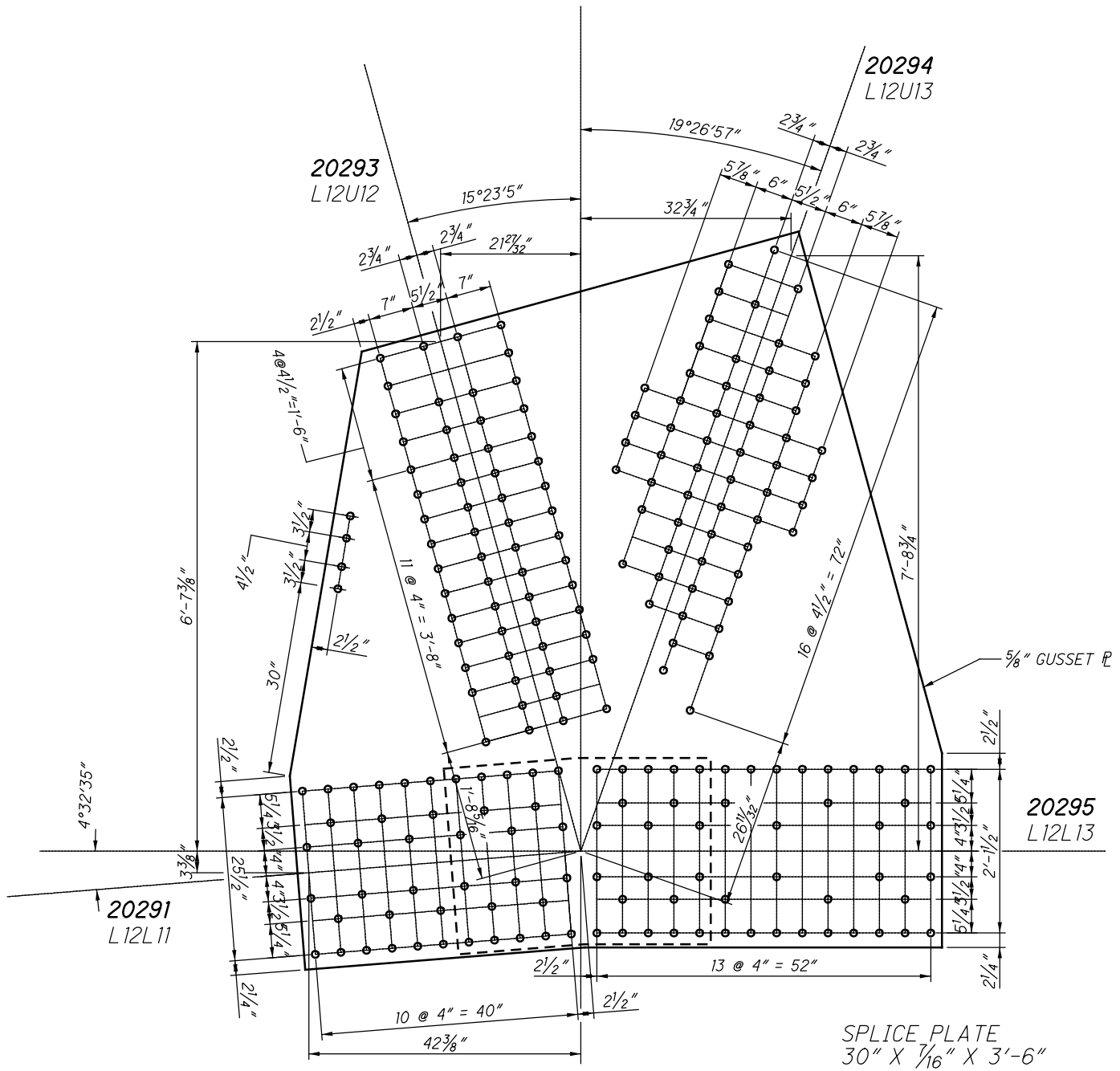
3.786"

5.008"





**L28 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L29 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

$L_c = 2.444''$

20293
L12U12

20294
L12U13

22029 AND 32029

$L_c = 10.154''$

**L29 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

20291
L12L11

20295
L12L13

**L29 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

$L_c = 2.941''$

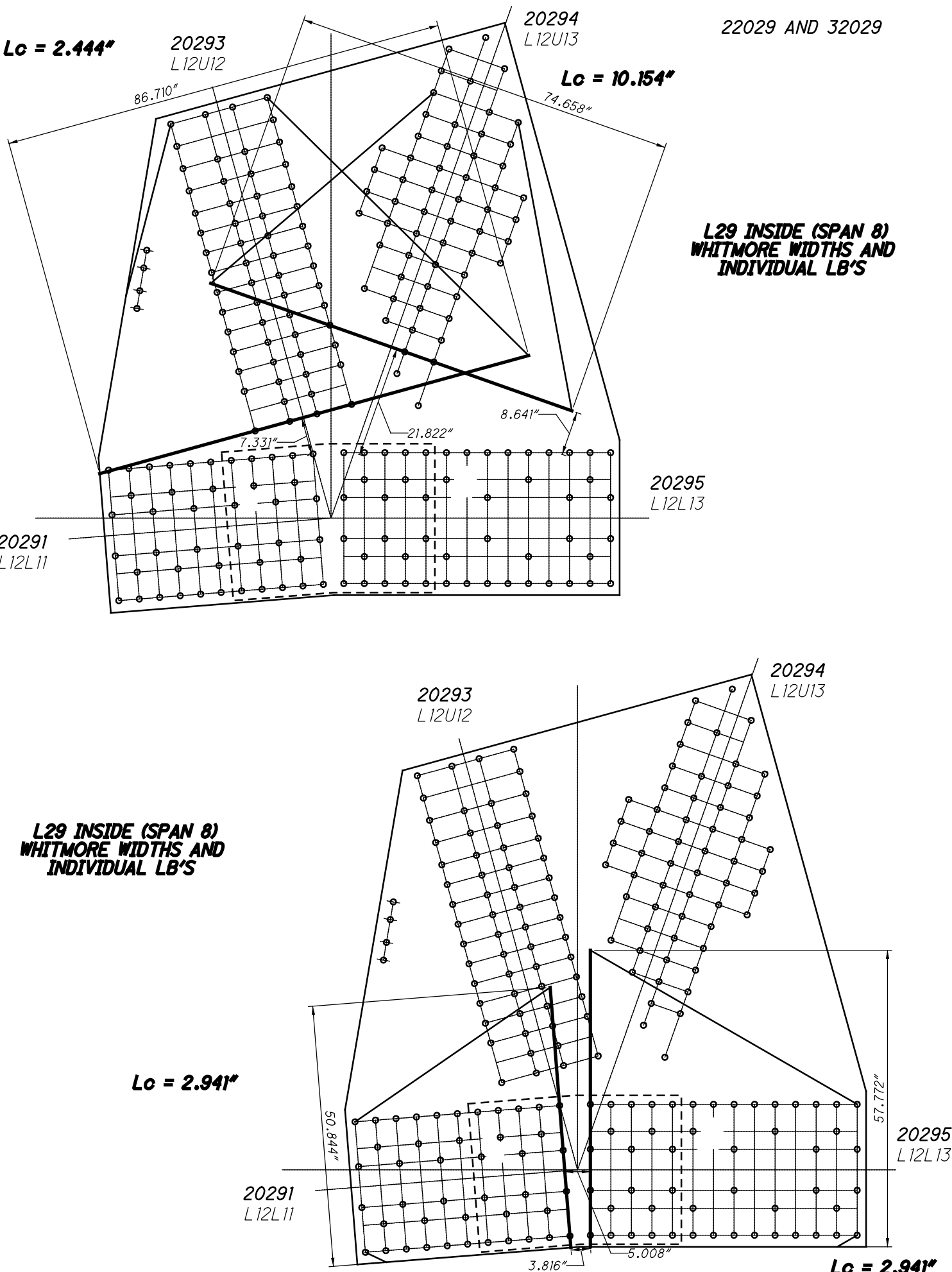
20293
L12U12

20294
L12U13

20291
L12L11

20295
L12L13

$L_c = 2.941''$



20293
L12U12
60 RIVETS
x 2 PLATES
=120 RIVETS

20294
L12U13

22029 AND 32029

50 RIVETS
x 2 PLATES
=100 RIVETS

**L29 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

44 RIVETS
x 2 PLATES
=88 RIVETS

48 RIVETS
x 2 PLATES
=96 RIVETS

20291
L12L11

20295
L12L13

20 SPLICE P
x 2 PLATES
=40 RIVETS

20 SPLICE P
x 2 PLATES
=40 RIVETS

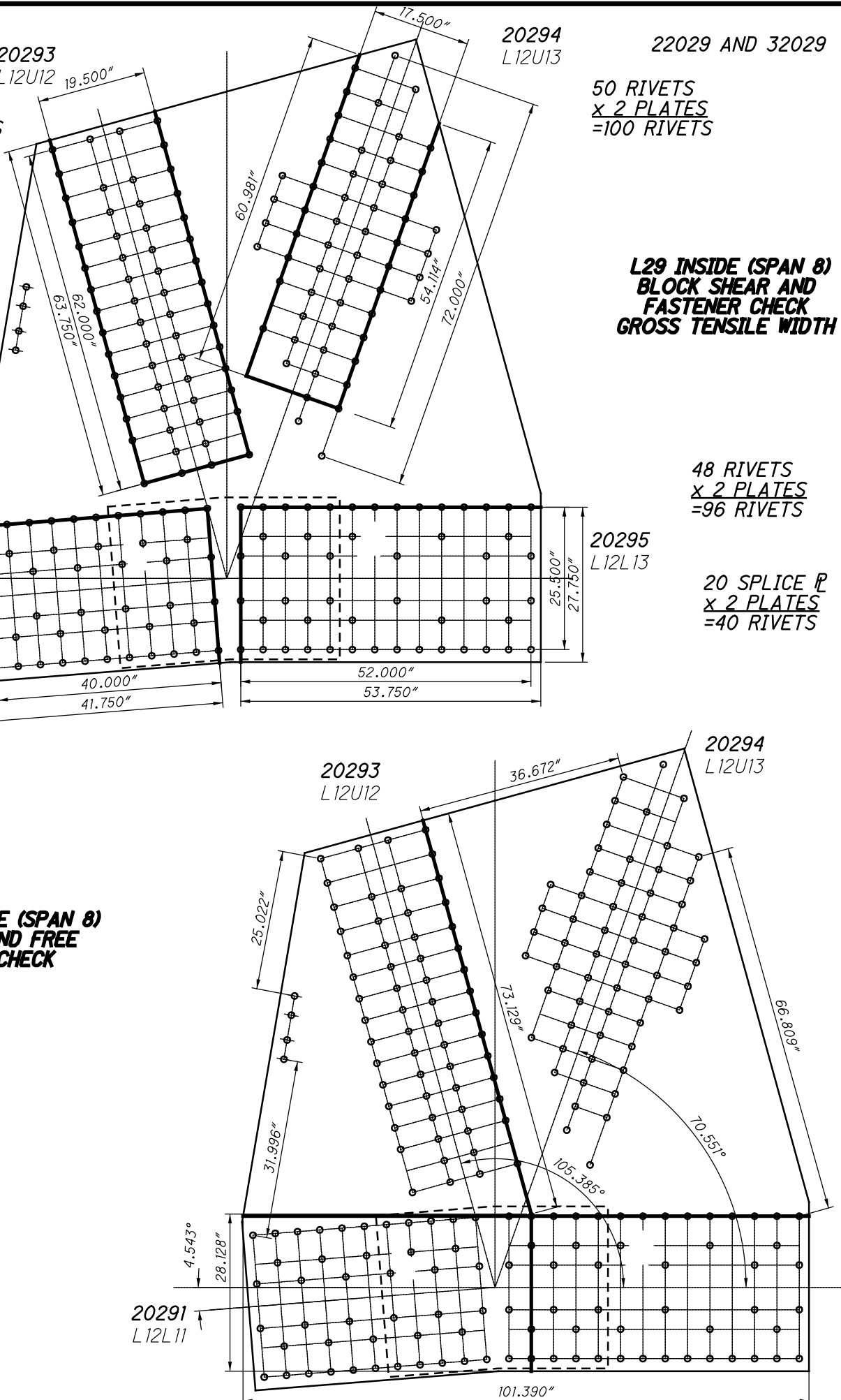
**L29 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

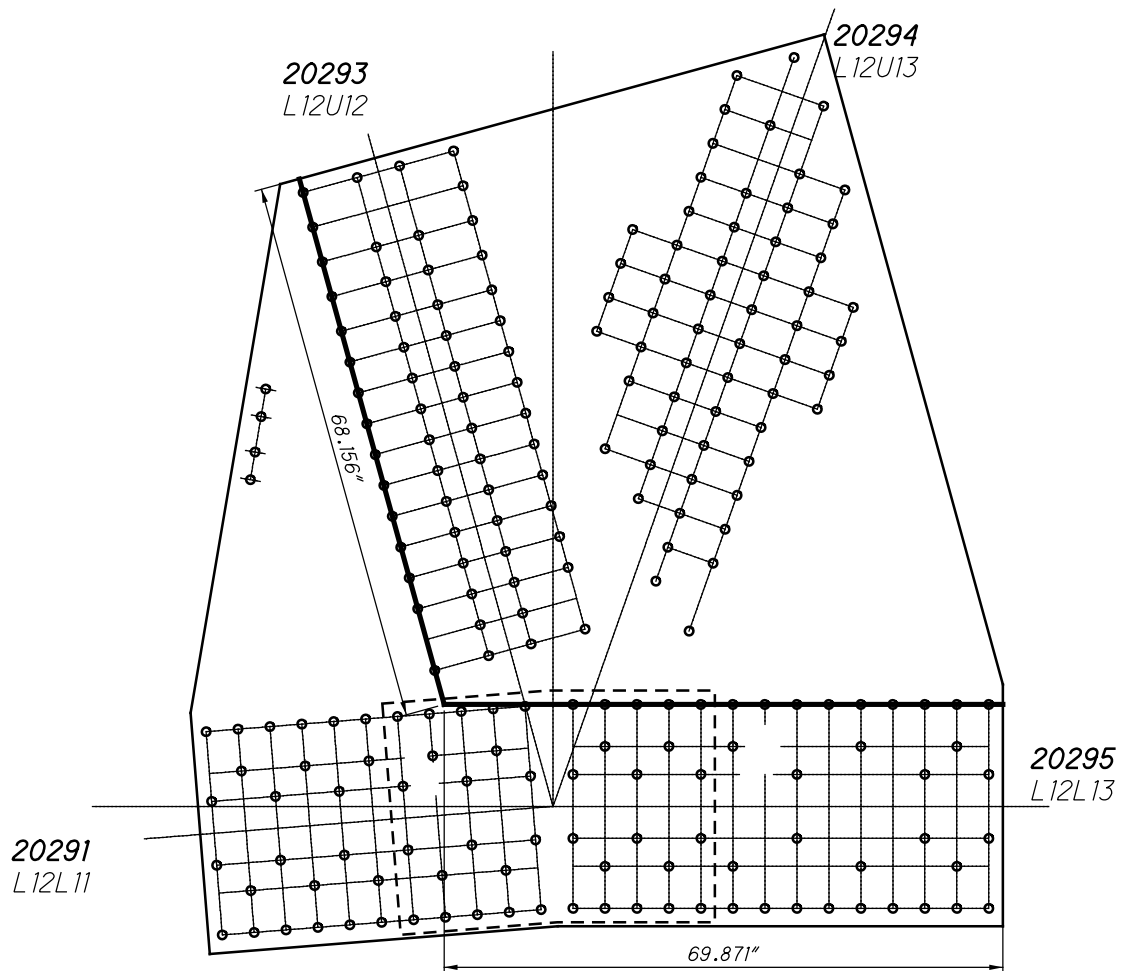
20293
L12U12

20294
L12U13

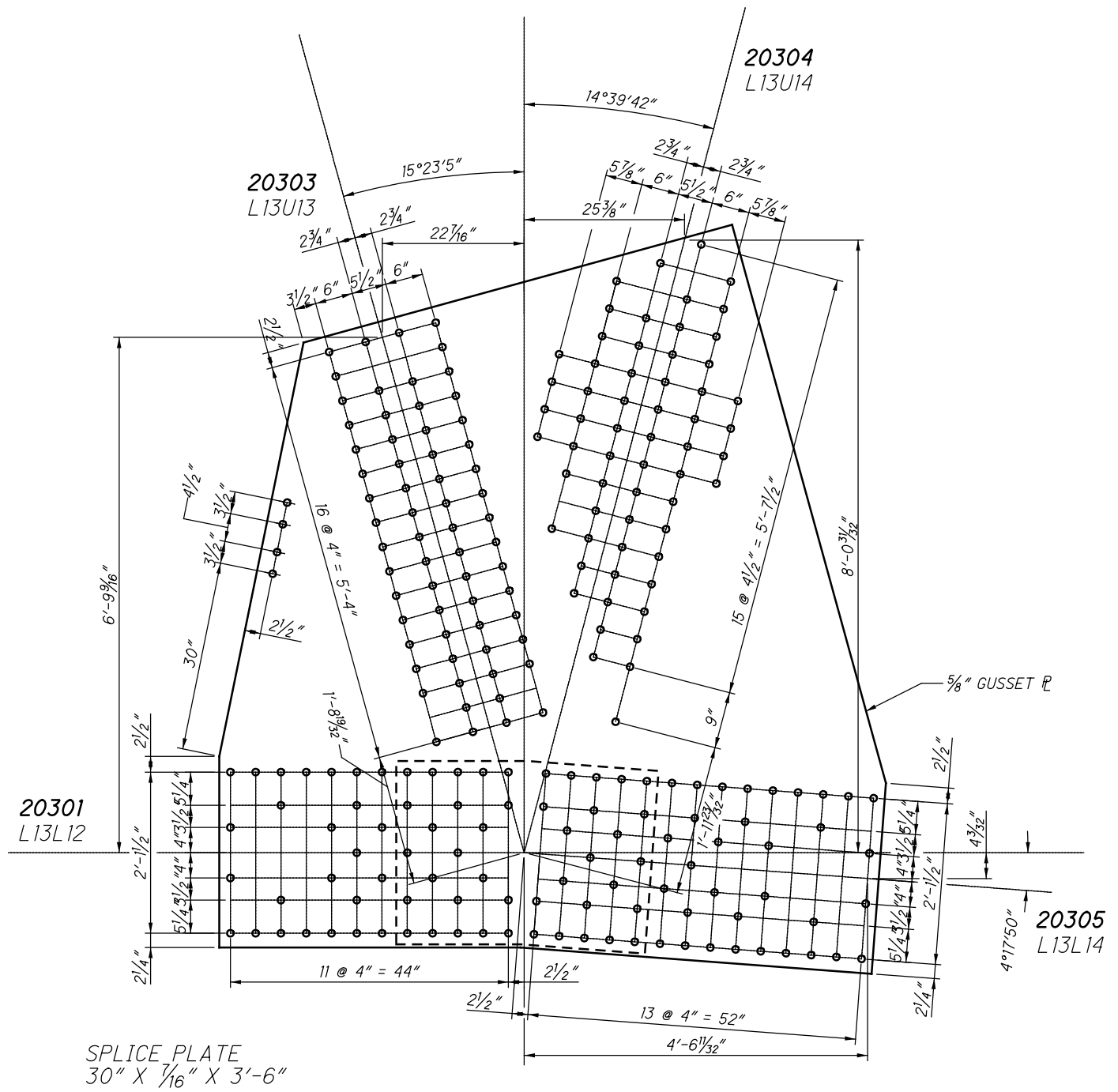
20295
L12L13

20291
L12L11





**L29 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L30 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

22030 AND 32030

20303
L13U13

20304
L13U14

$L_c = 10.579"$

90.077"

85.050"

**L30 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

7.370"

19.757"

11.980"

20301
L13L12

20305
L13L14

20303
L13U13

8.507"

20304
L13U14

**L30 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

$L_c = 5.798"$

$L_c = 2.962"$

20301
L13L12

53.153"

57.772"

20305
L13L14

3.880"

5.007"

20303
L13U13
64 RIVETS
x 2 PLATES
=128 RIVETS

20304
L13U14
52 RIVETS
x 2 PLATES
=104 RIVETS

22030 AND 32030

**L30 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

20301
L13L12
22 SPLICE P
x 2 PLATES
=44 RIVETS

47 RIVETS
x 2 PLATES
=94 RIVETS

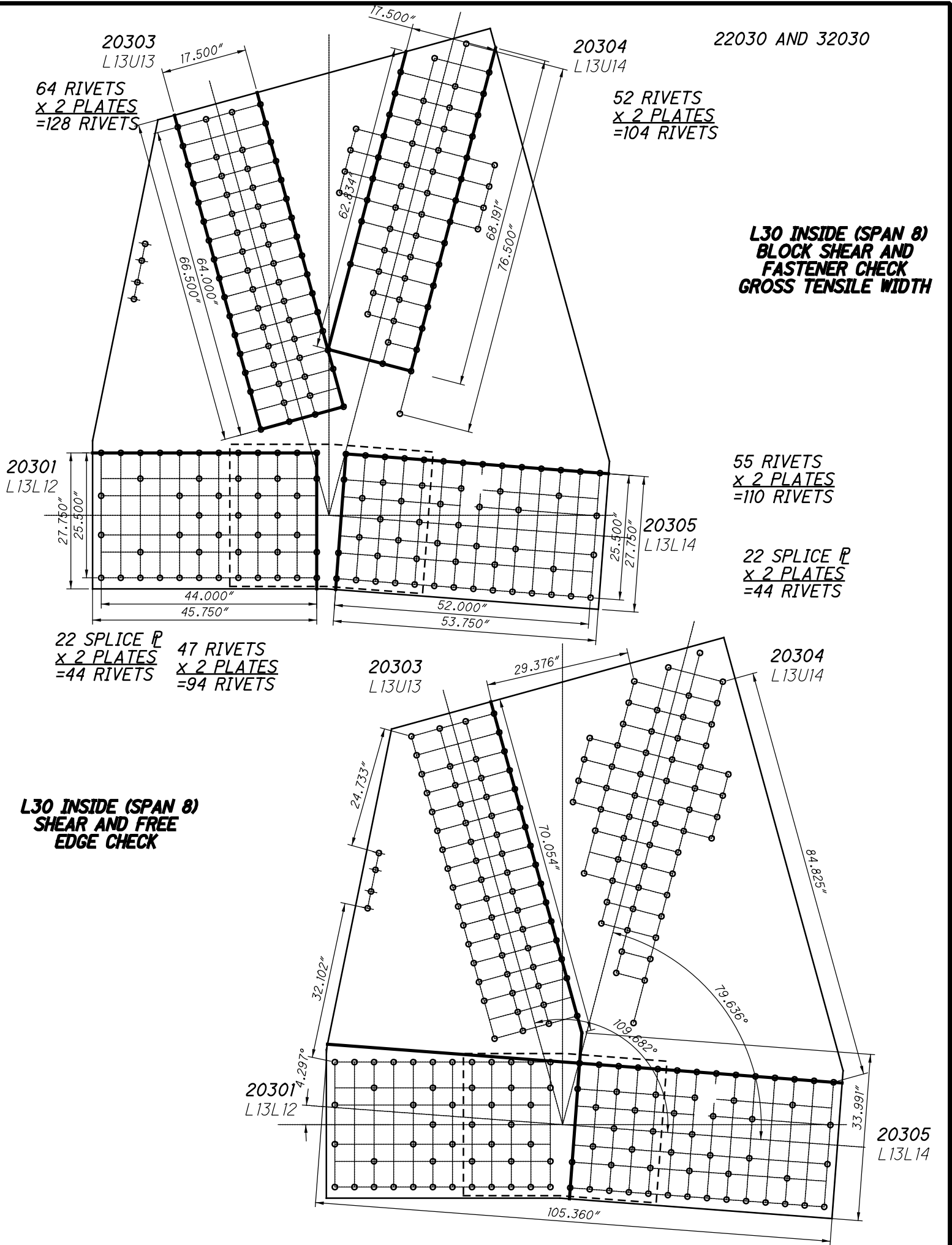
55 RIVETS
x 2 PLATES
=110 RIVETS

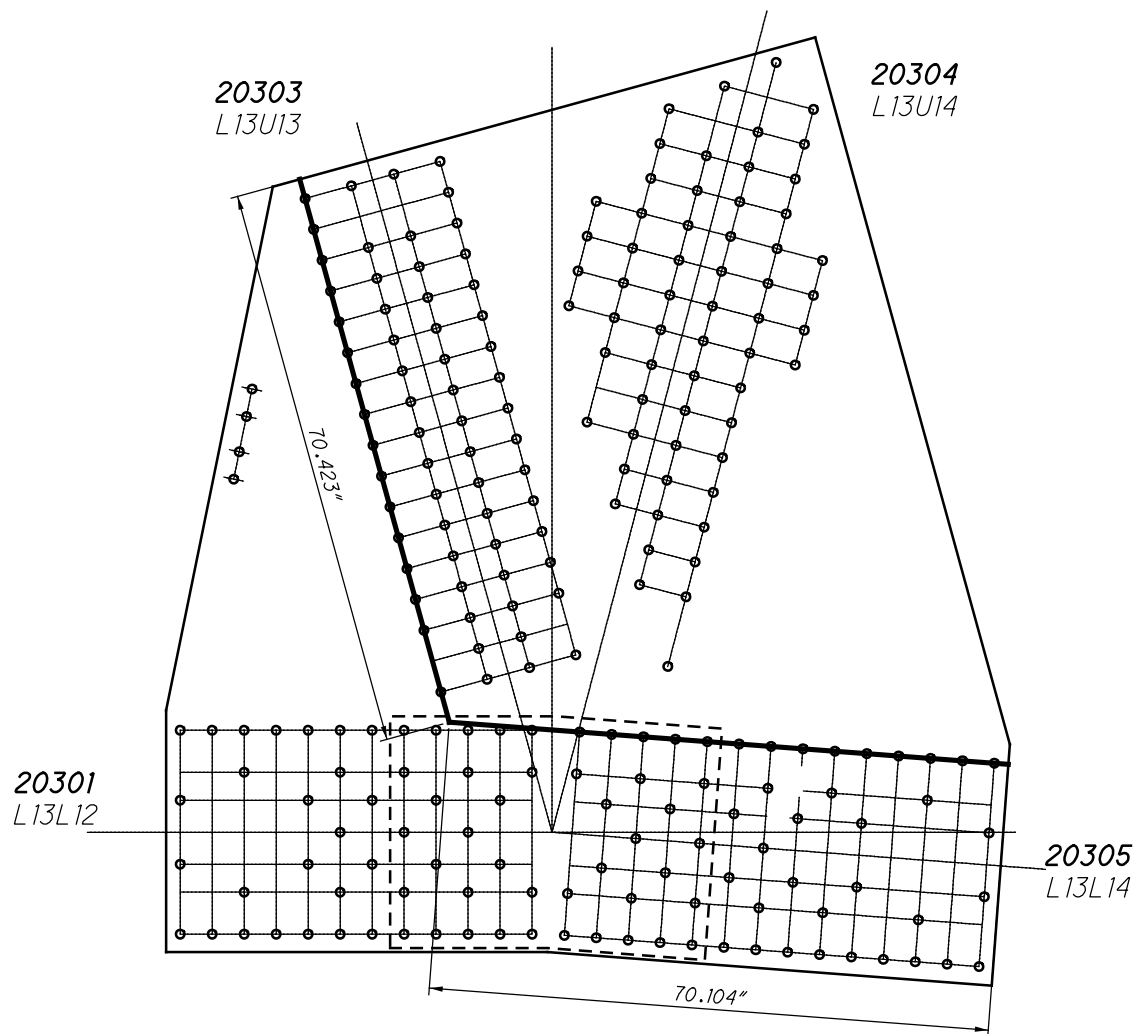
22 SPLICE P
x 2 PLATES
=44 RIVETS

**L30 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

20301
L13L12

20305
L13L14





**L30 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

22031 AND 32031

SHEETS MISSING

***L31 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)***

22031 AND 32031

**L31 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

SHEETS MISSING

**L31 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

22031 AND 32031

**L31 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

SHEETS MISSING

**L31 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

22031 AND 32031

SHEETS MISSING

***L31 INSIDE (SPAN 8)
QUADRANT DIMENSIONS***

22032 AND 32032

SHEETS MISSING

***L32 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)***

22032 AND 32032

**L32 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

SHEETS MISSING

**L32 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

22032 AND 32032

**L32 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

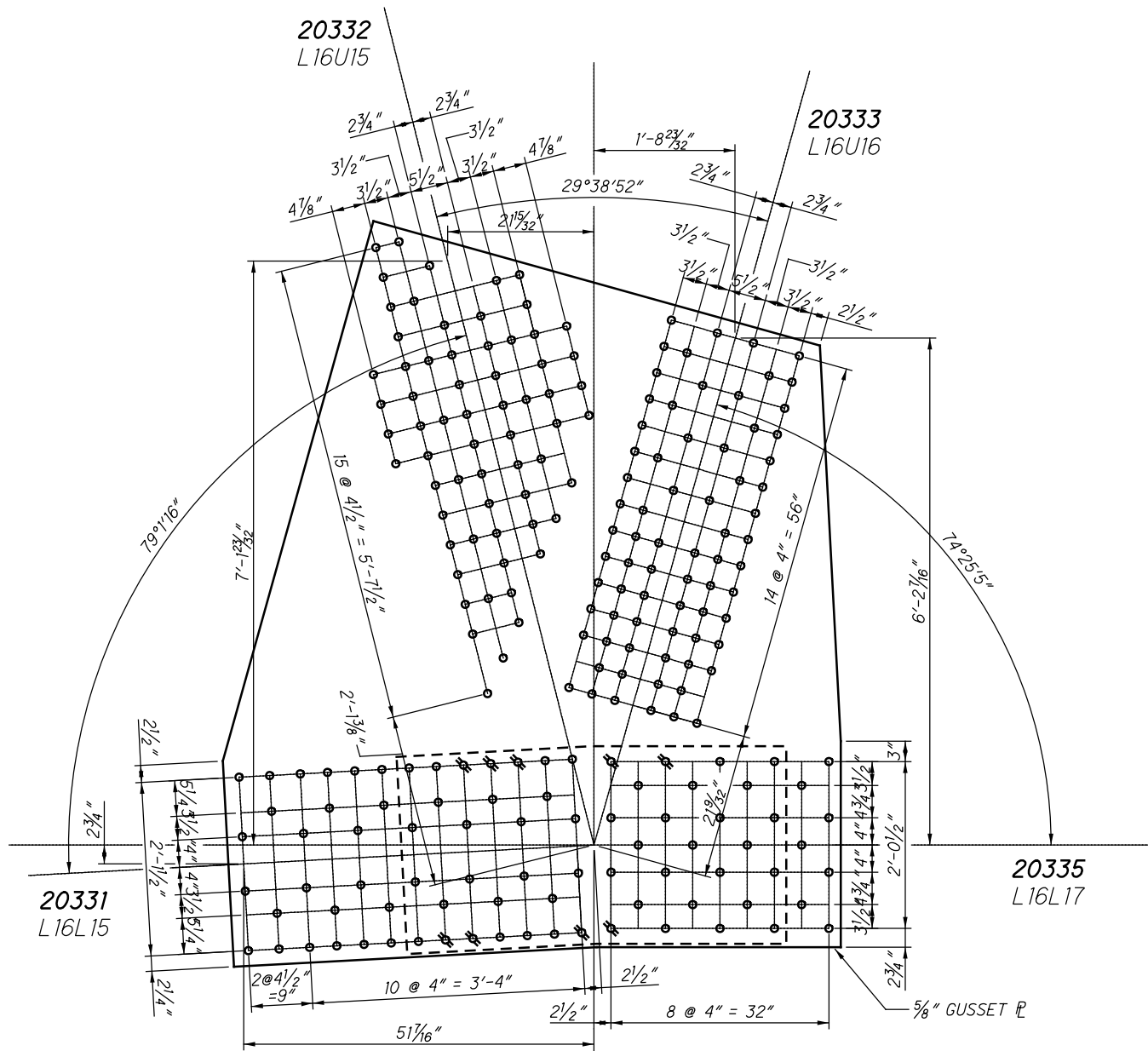
SHEETS MISSING

**L32 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

22032 AND 32032

SHEETS MISSING

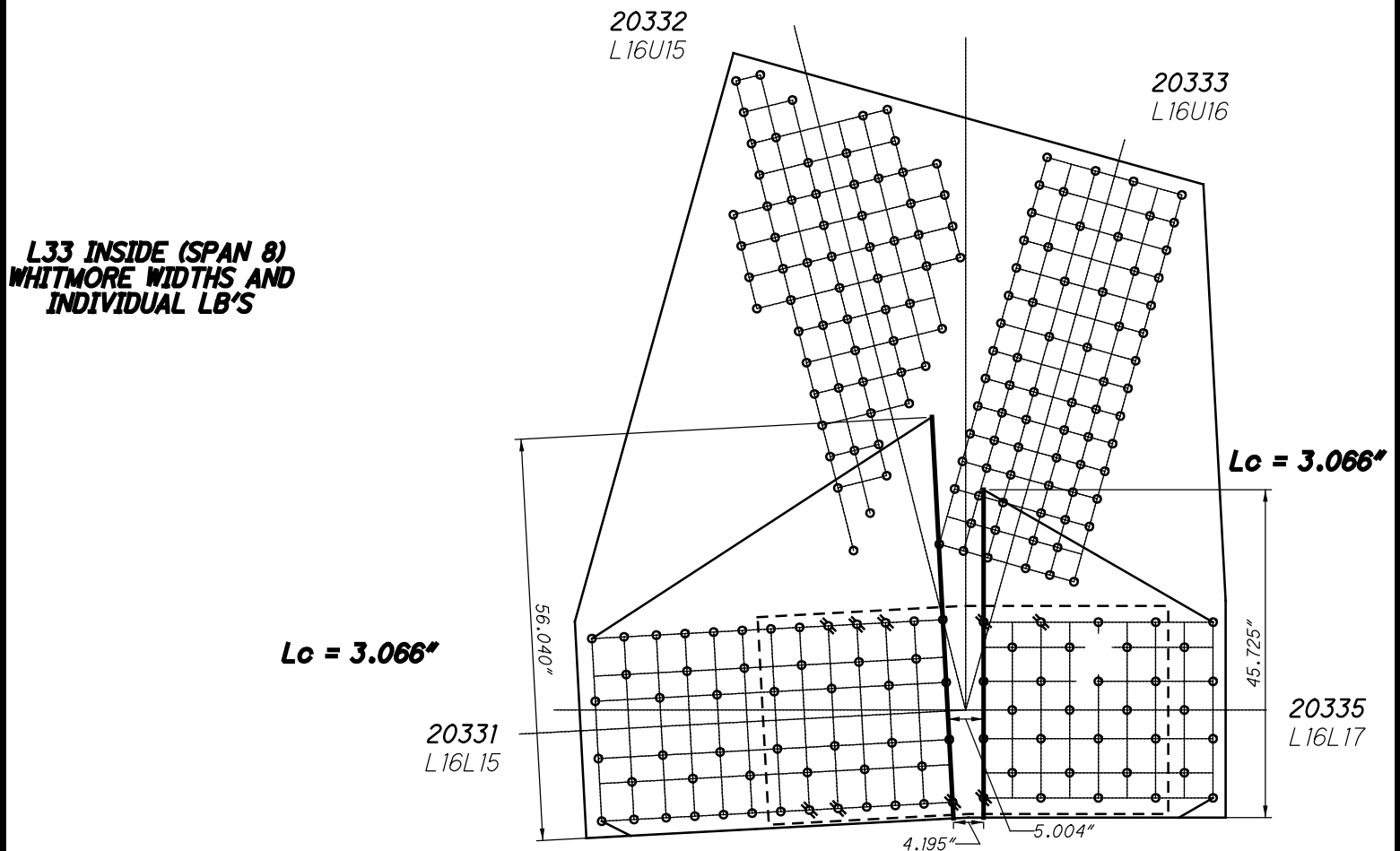
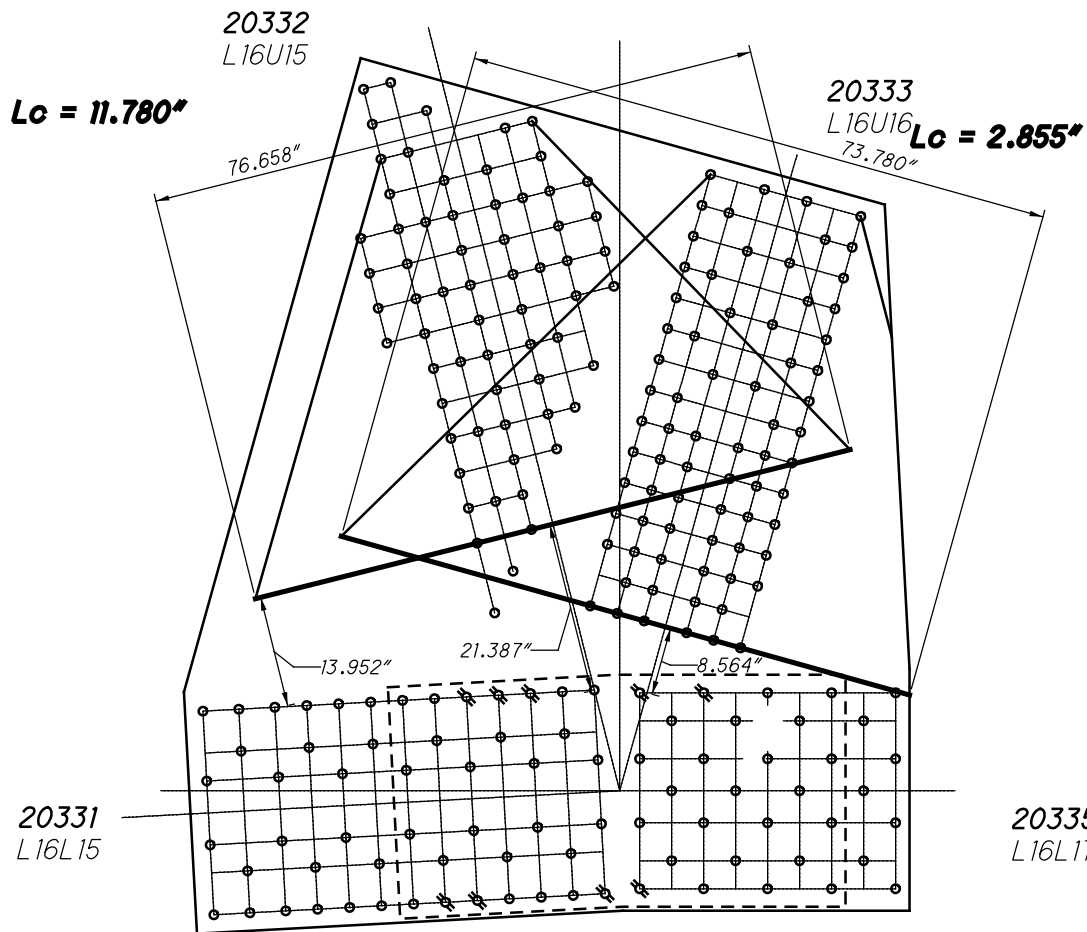
***L32 INSIDE (SPAN 8)
QUADRANT DIMENSIONS***



SPLICE PLATE
30" X 7¹/₁₆" X 4'-9¹/₄"

**L33 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

22033 AND 32033



56 RIVETS
x 2 PLATES
=112 RIVETS

20332
L16U15

20333
L16U16

22033 AND 32033

72 RIVETS
x 2 PLATES
=144 RIVETS

**L33 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

52 RIVETS
x 2 PLATES
=104 RIVETS

20331
L16L15

32 RIVETS
x 2 PLATES
=64 RIVETS

20335
L16L17

25 SPLICE P
x 2 PLATES
=50 RIVETS

28 SPLICE P
x 2 PLATES
=56 RIVETS

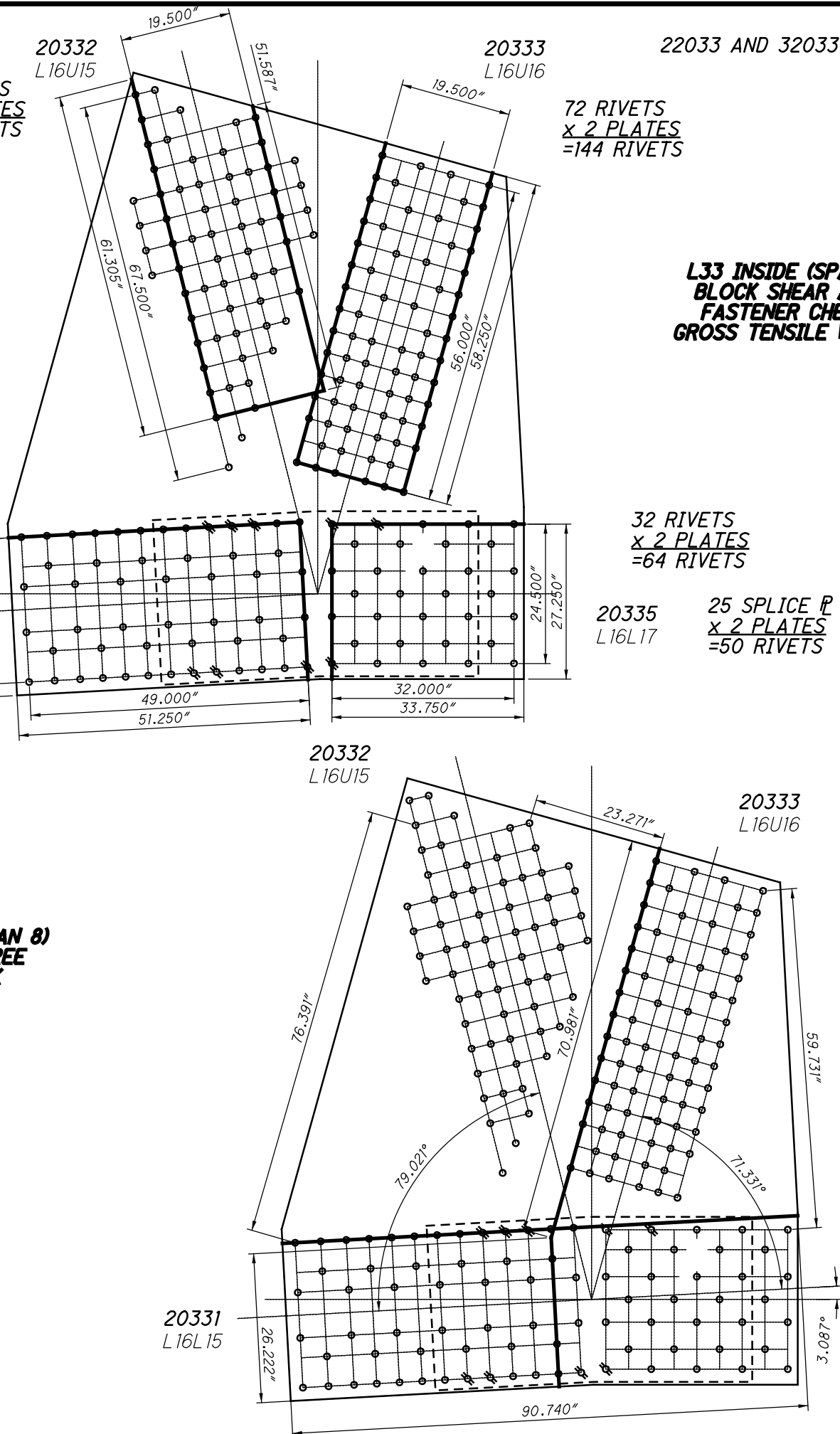
20332
L16U15

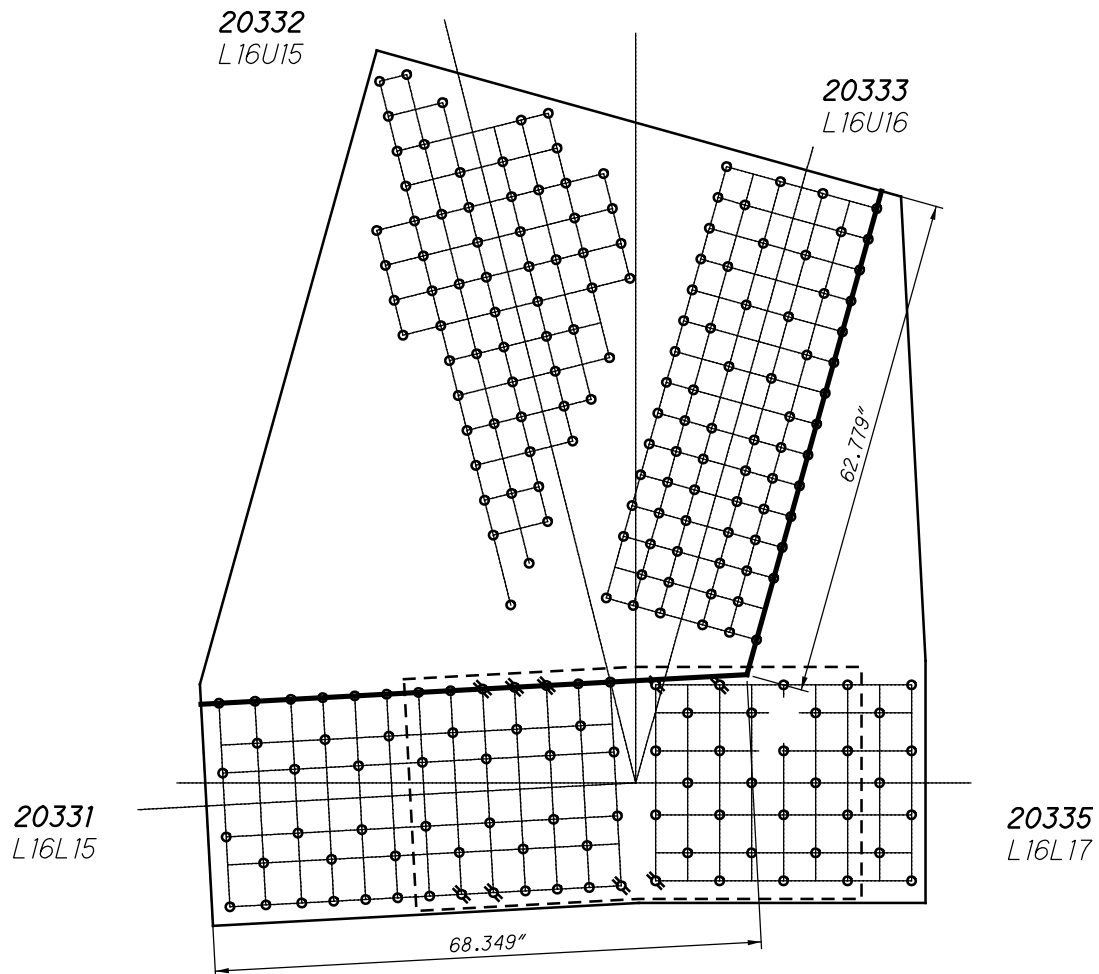
20333
L16U16

**L33 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

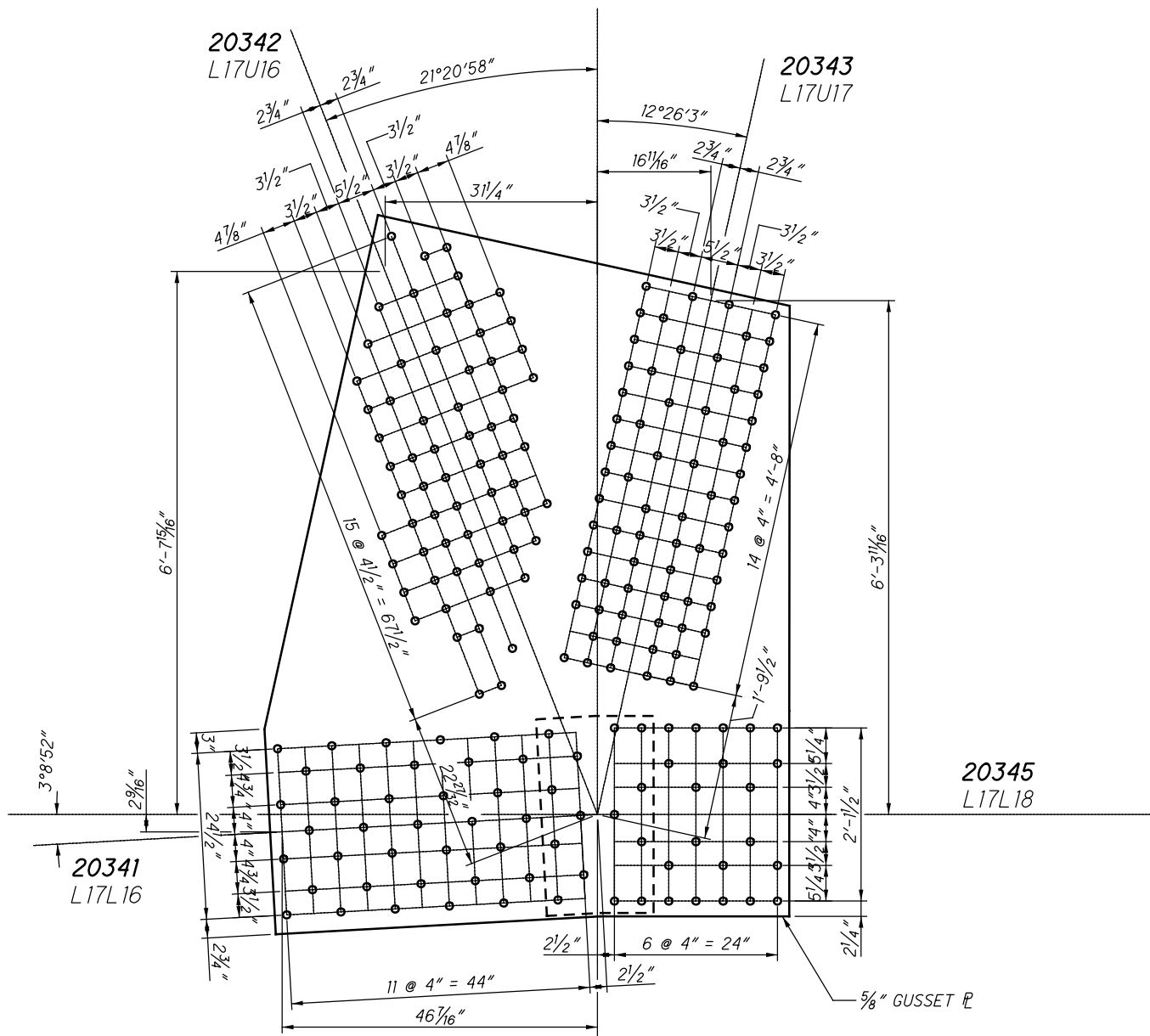
20331
L16L15

20335
L16L17



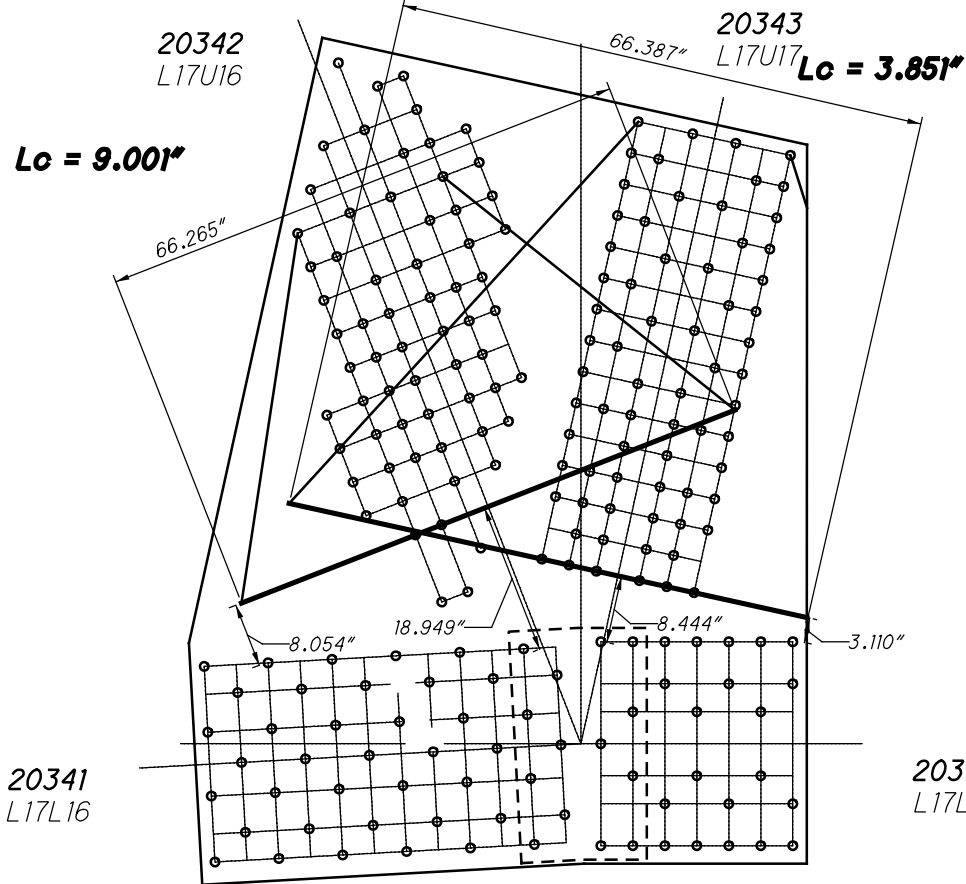


**L33 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



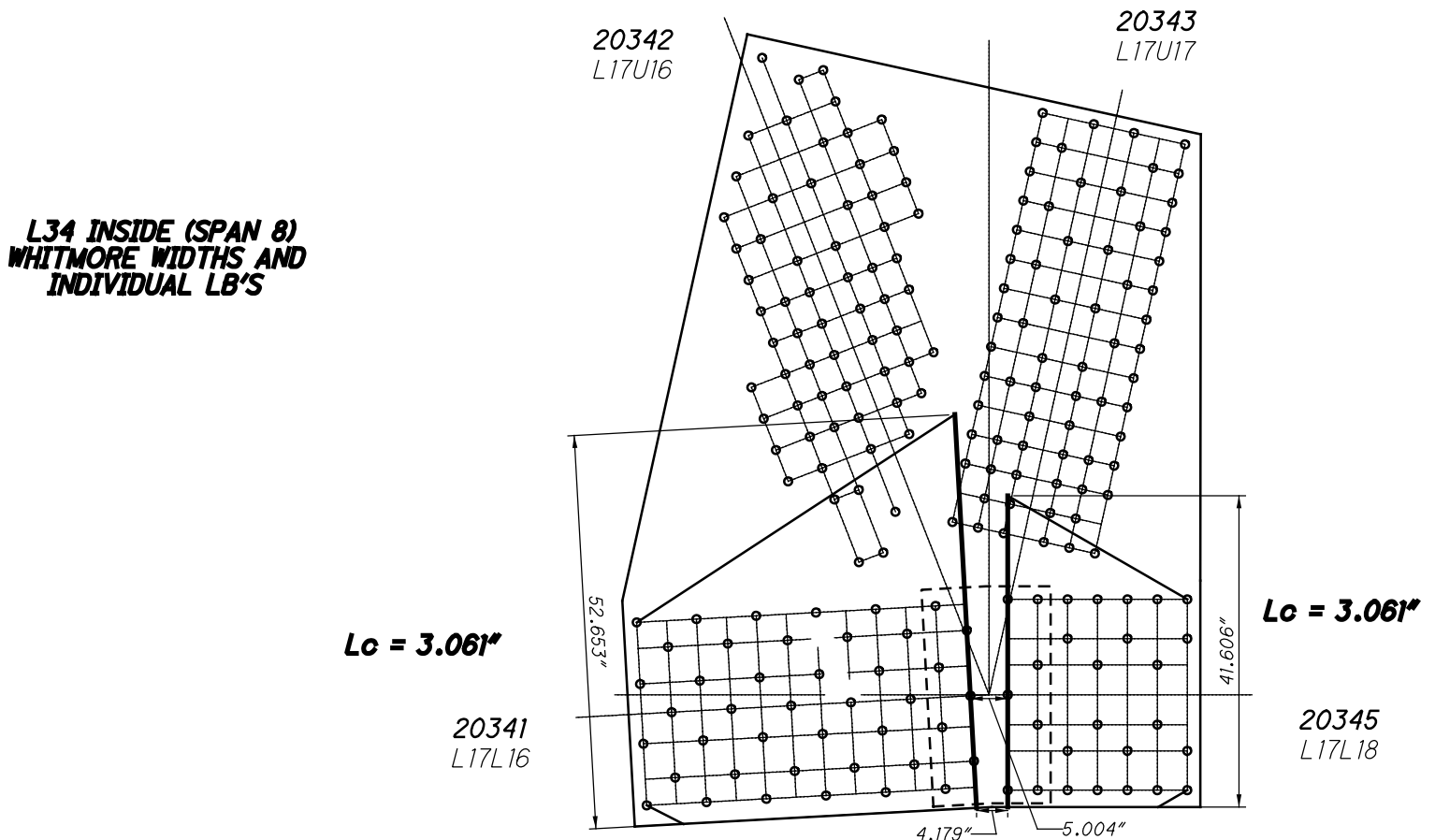
SPLICE PLATE
 $29\frac{1}{2}'' \times 1\frac{1}{16}'' \times 1'-6''$

**L34 INSIDE (SPAN 8)
 (NEAR AND FAR SIDE)**

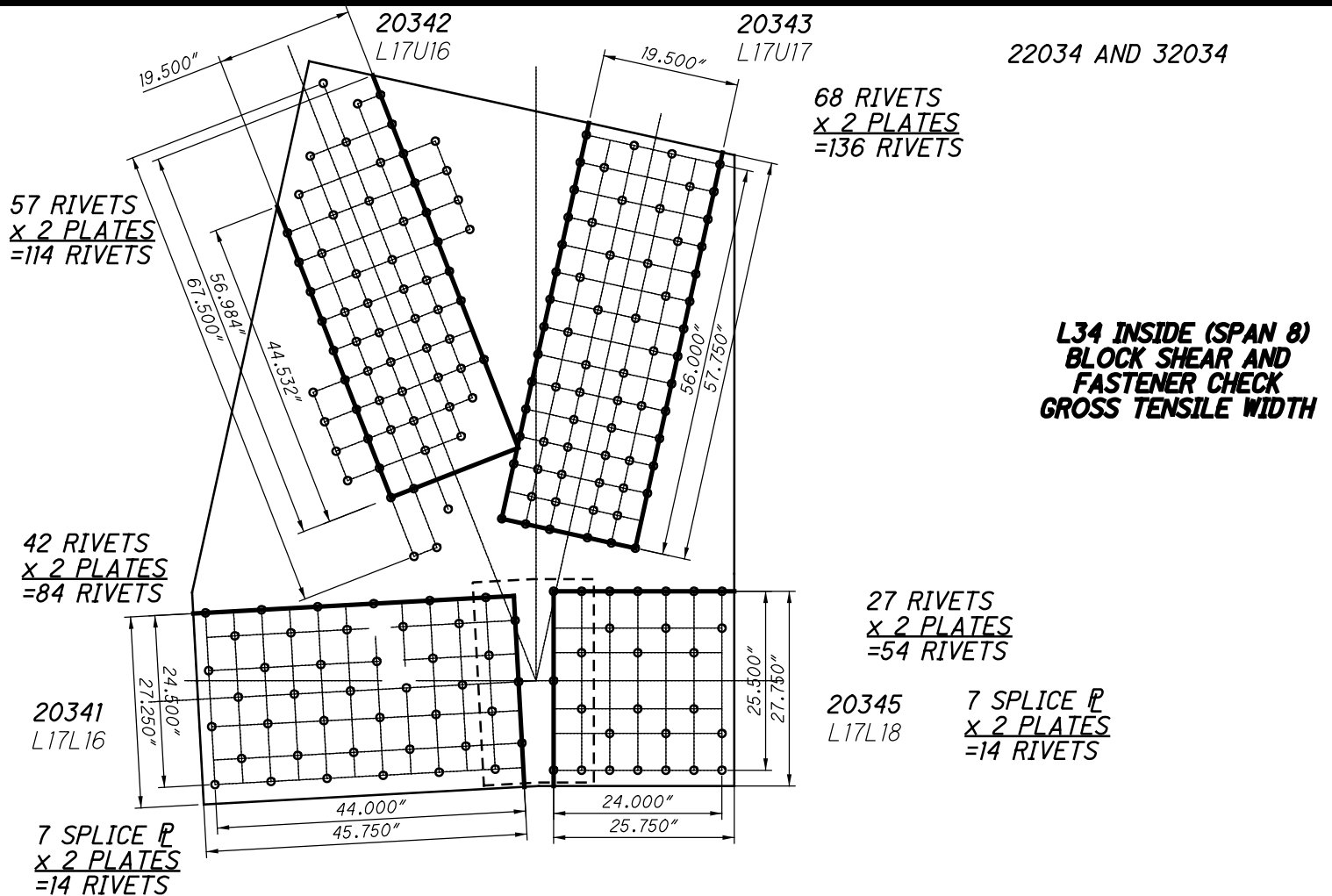


22034 AND 32034

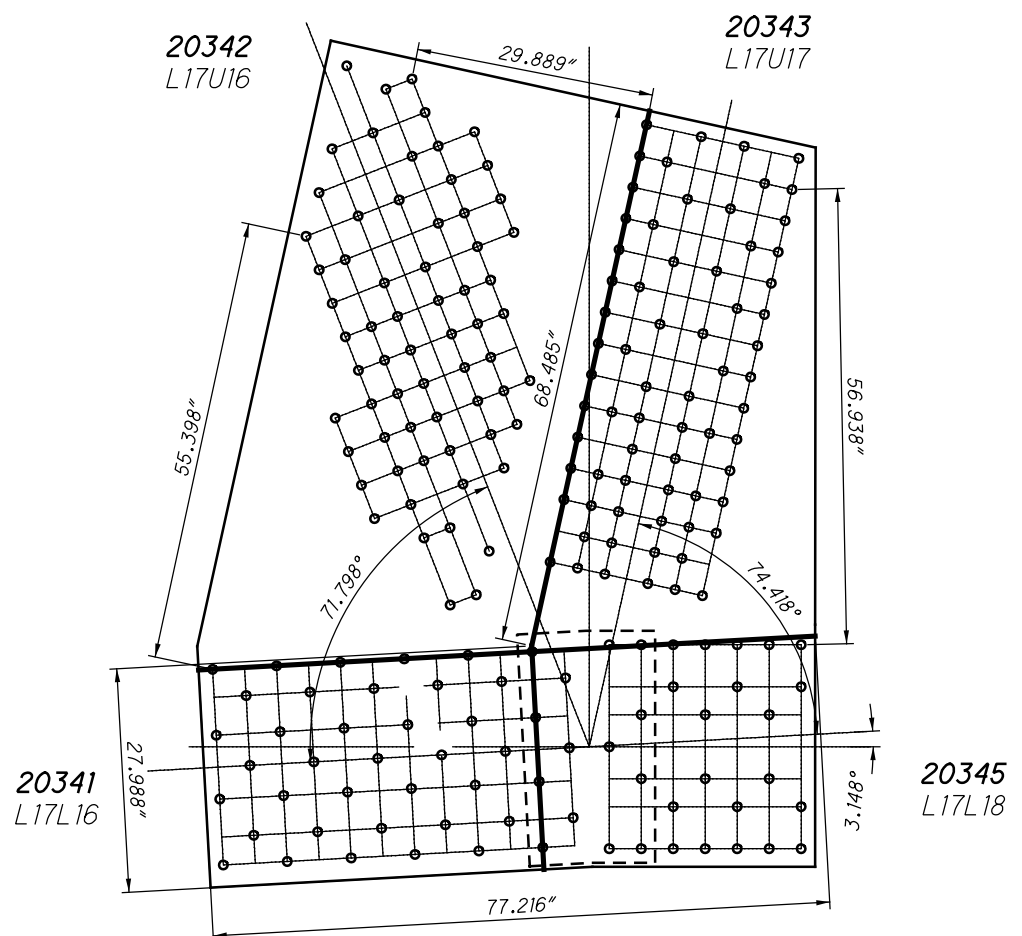
**L34 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

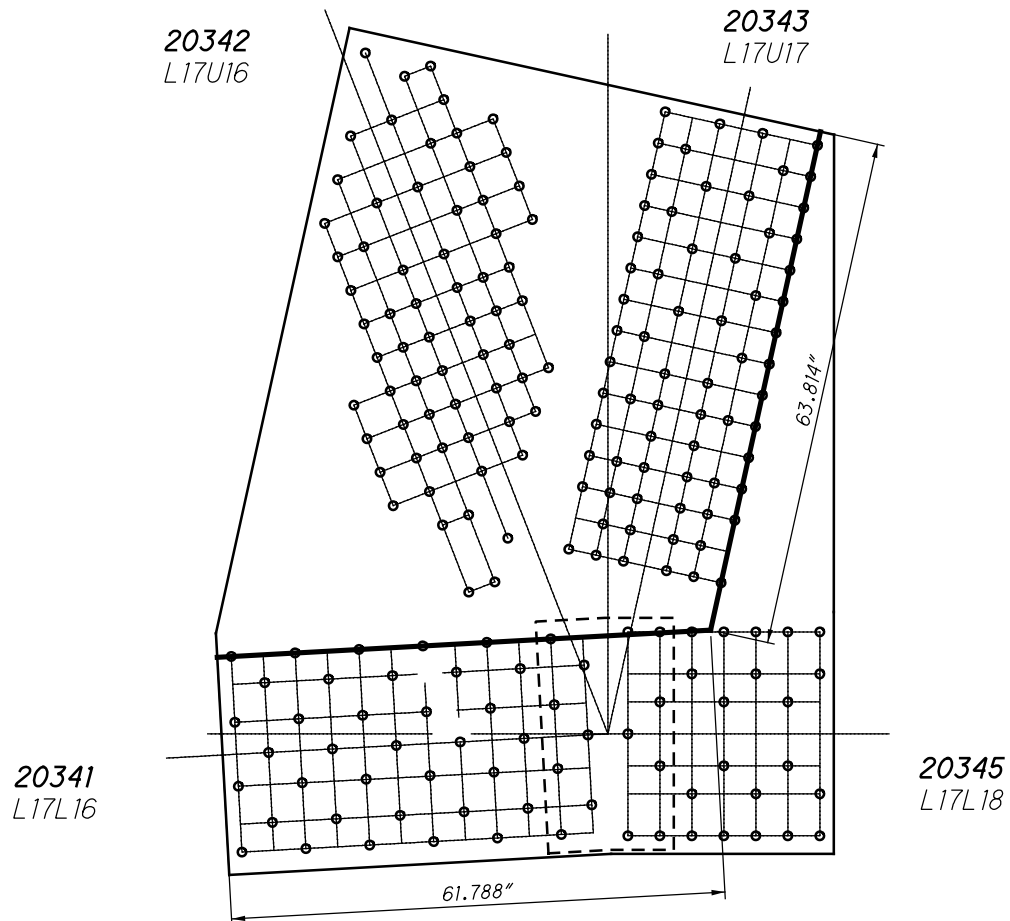


**L34 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

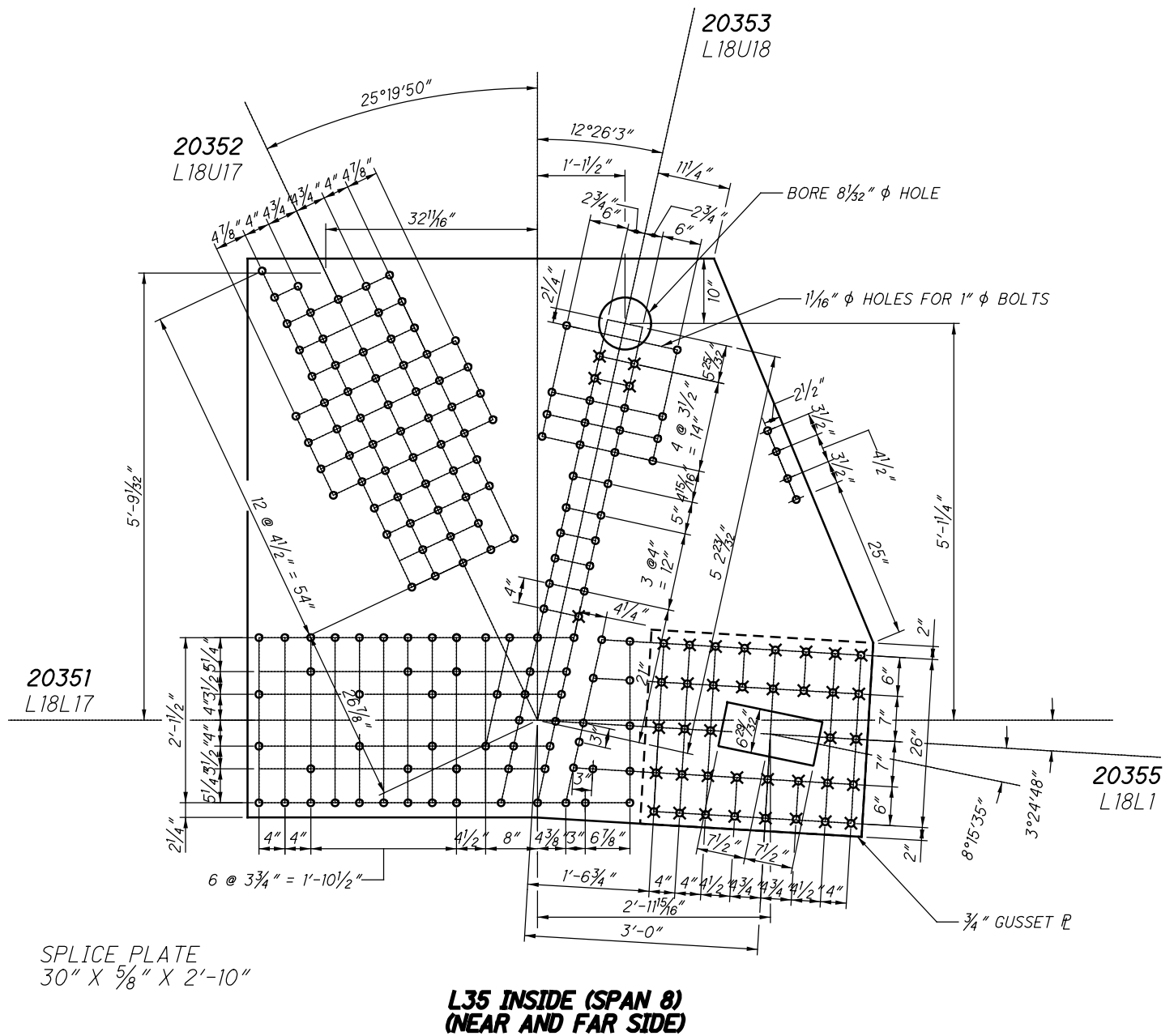


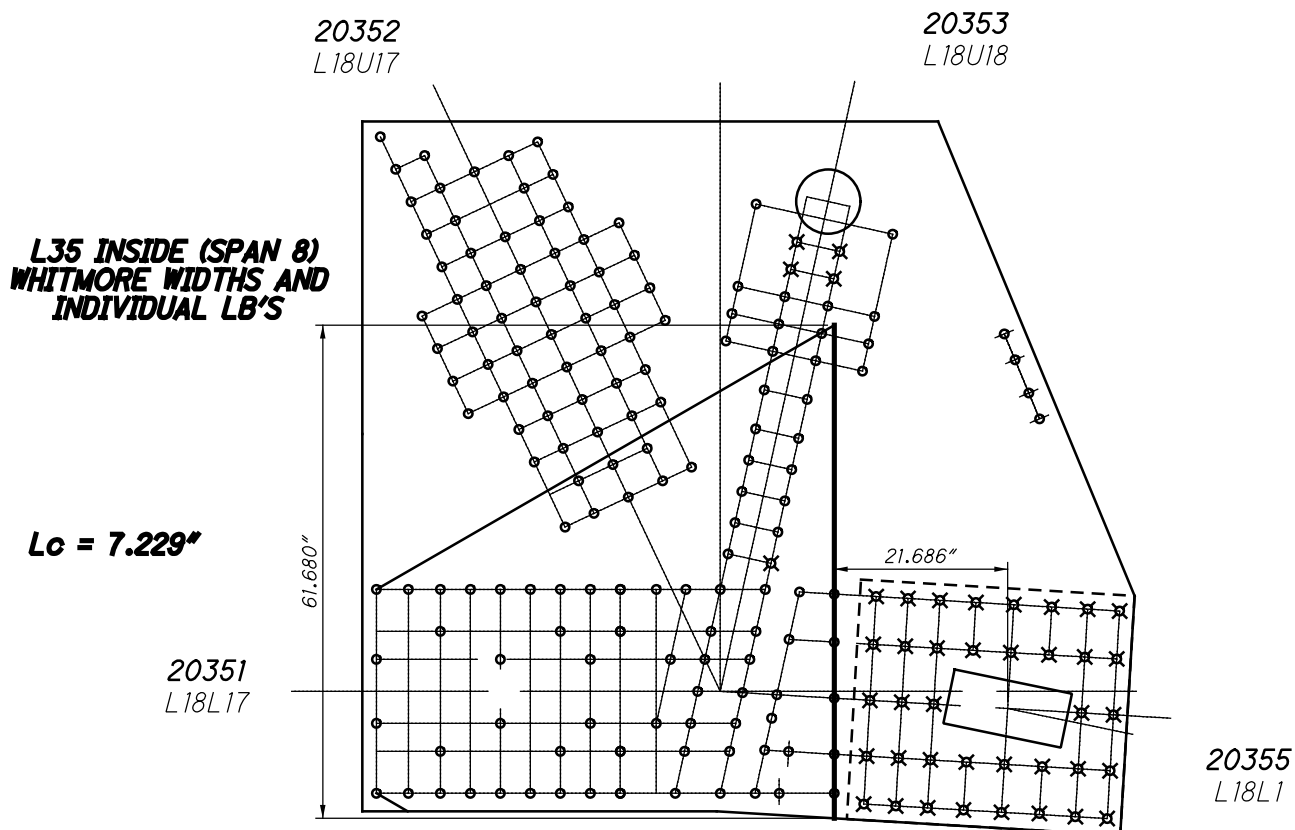
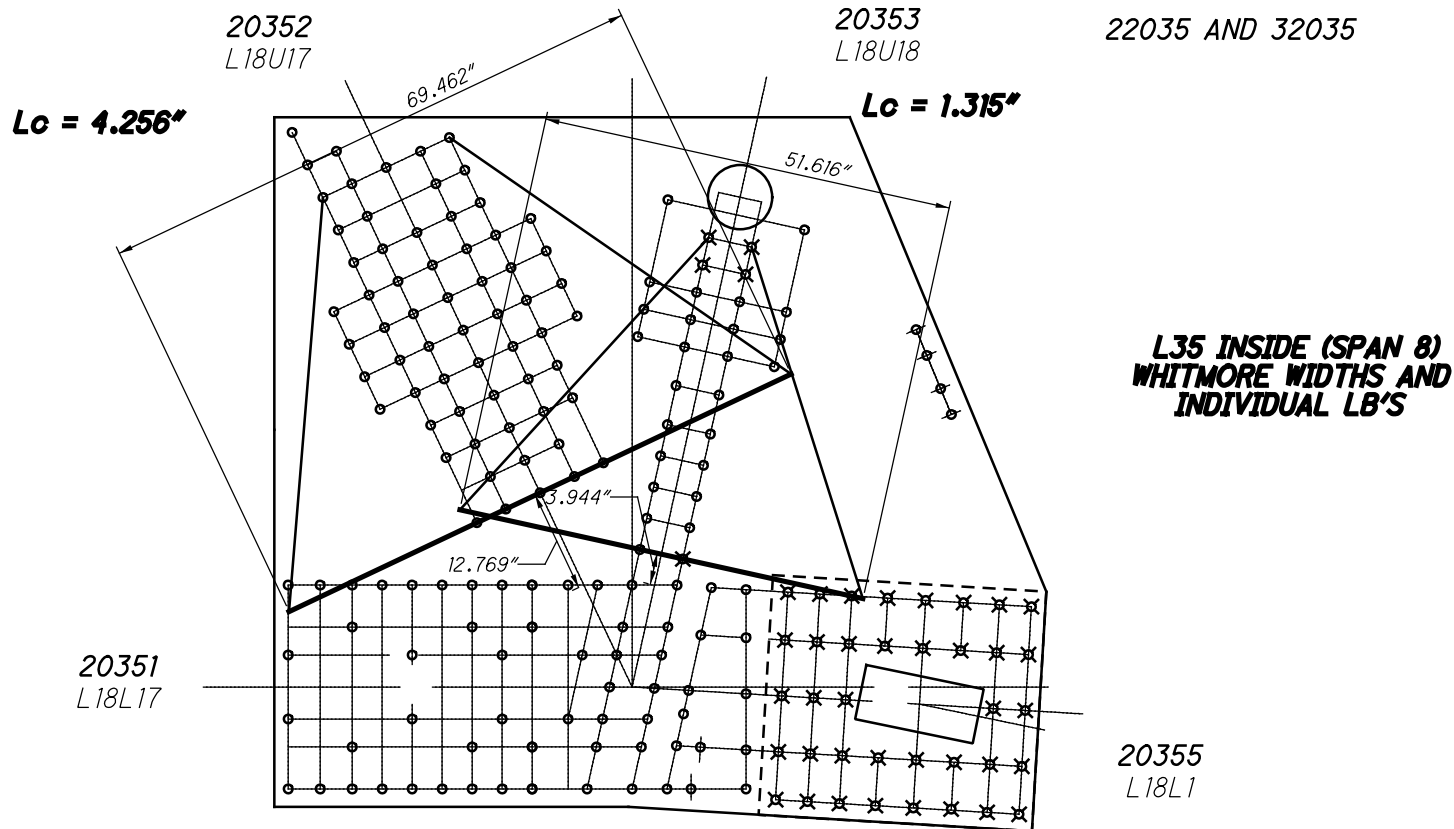
L34 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK





**L34 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**





55 RIVETS
x 2 PLATES
=110 RIVETS

20352
L18U17

20353
L18U18

22035 AND 32035

NO INTERNAL CASTING

**L35 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

20351
L18L17

61 RIVETS
x 2 PLATES
=122 RIVETS

20355
L18L1

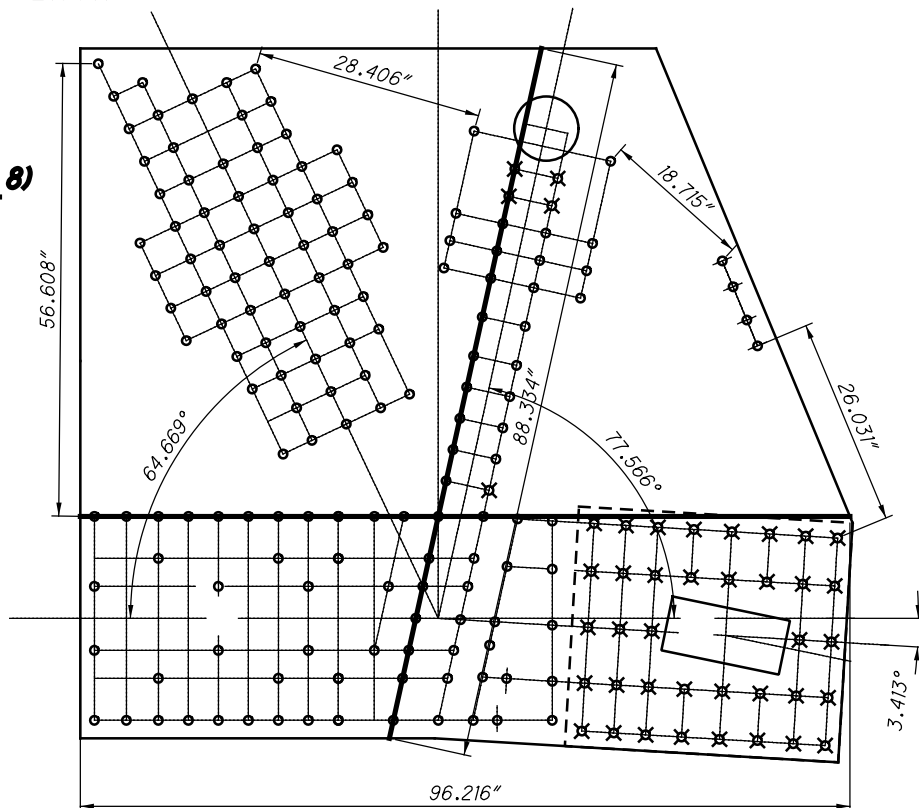
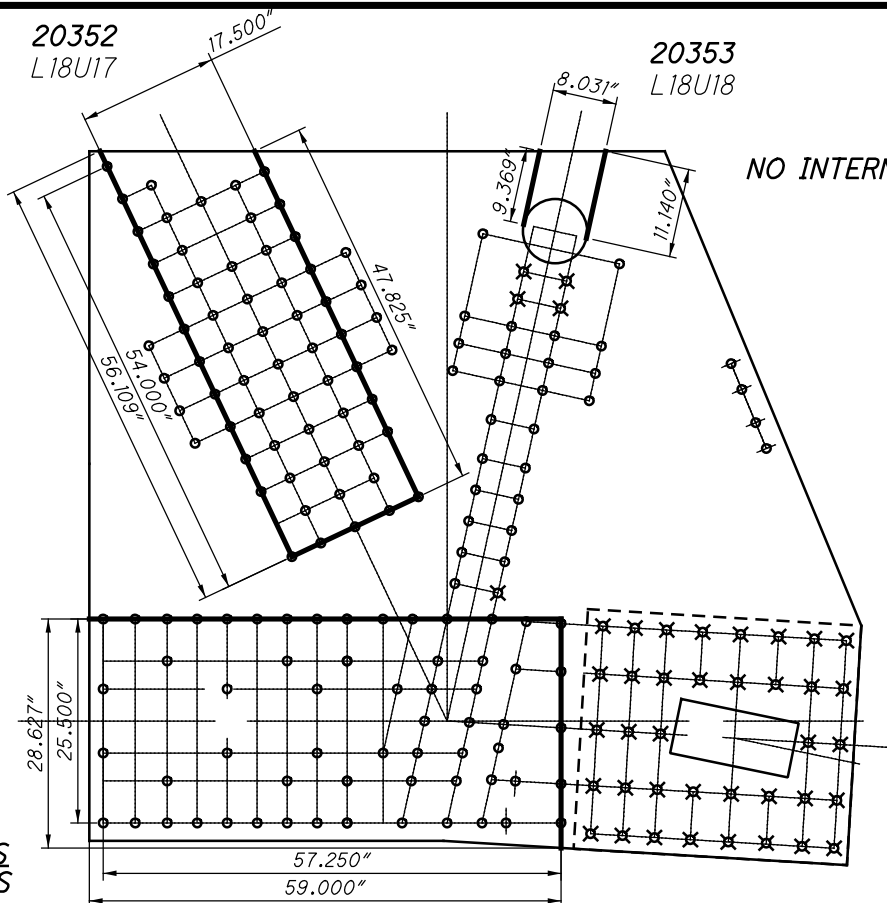
20352
L18U17

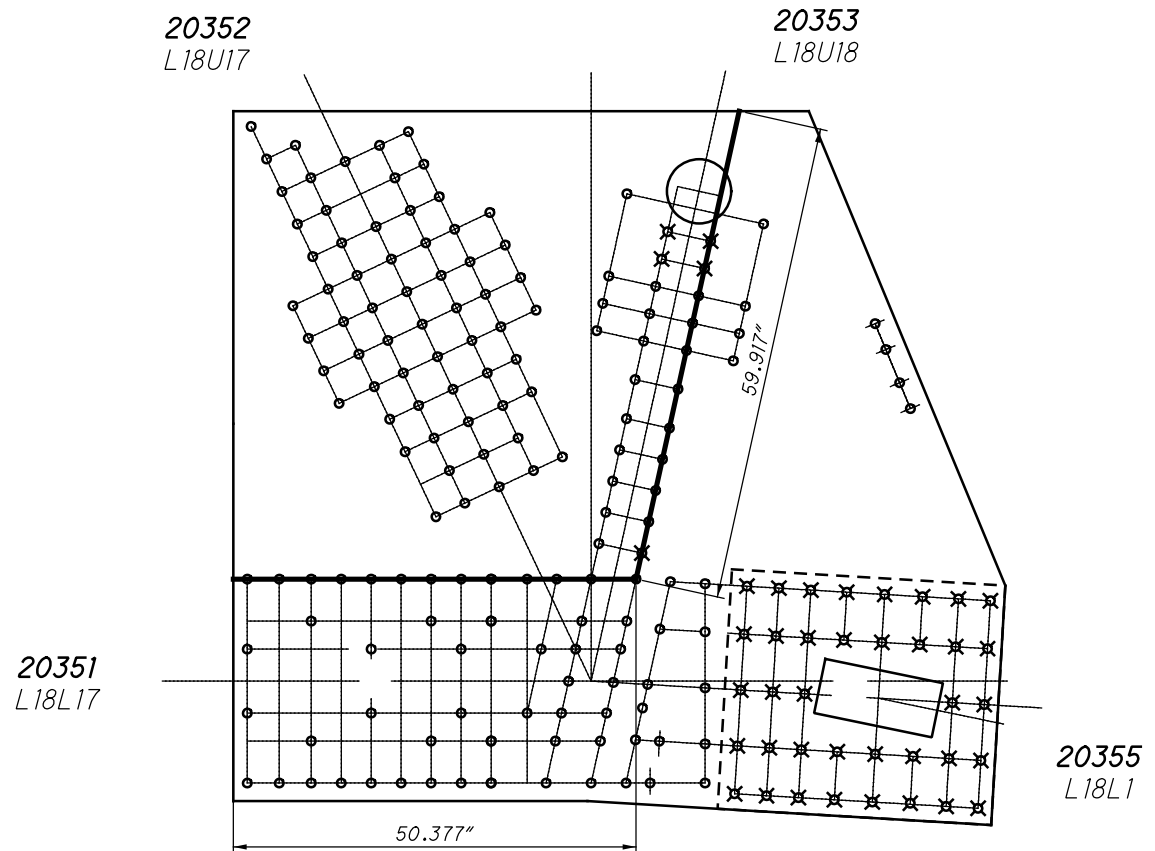
20353
L18U18

**L35 INSIDE (SPAN 8)
SHEAR AND FREE
EDGE CHECK**

20351
L18L17

20355
L18L1





**L35 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

20173
LOUO

20174
LOU1

20171
LOL4

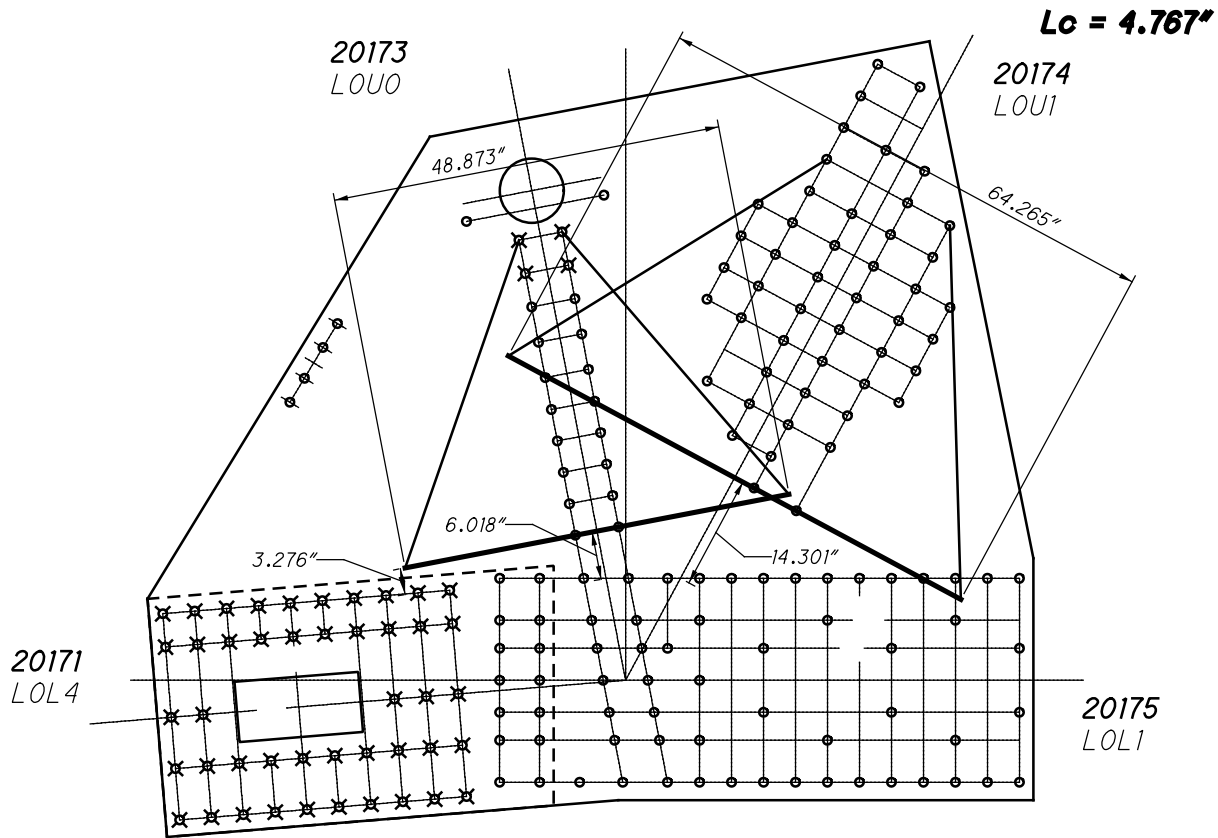
20175
LOL1

**L17 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

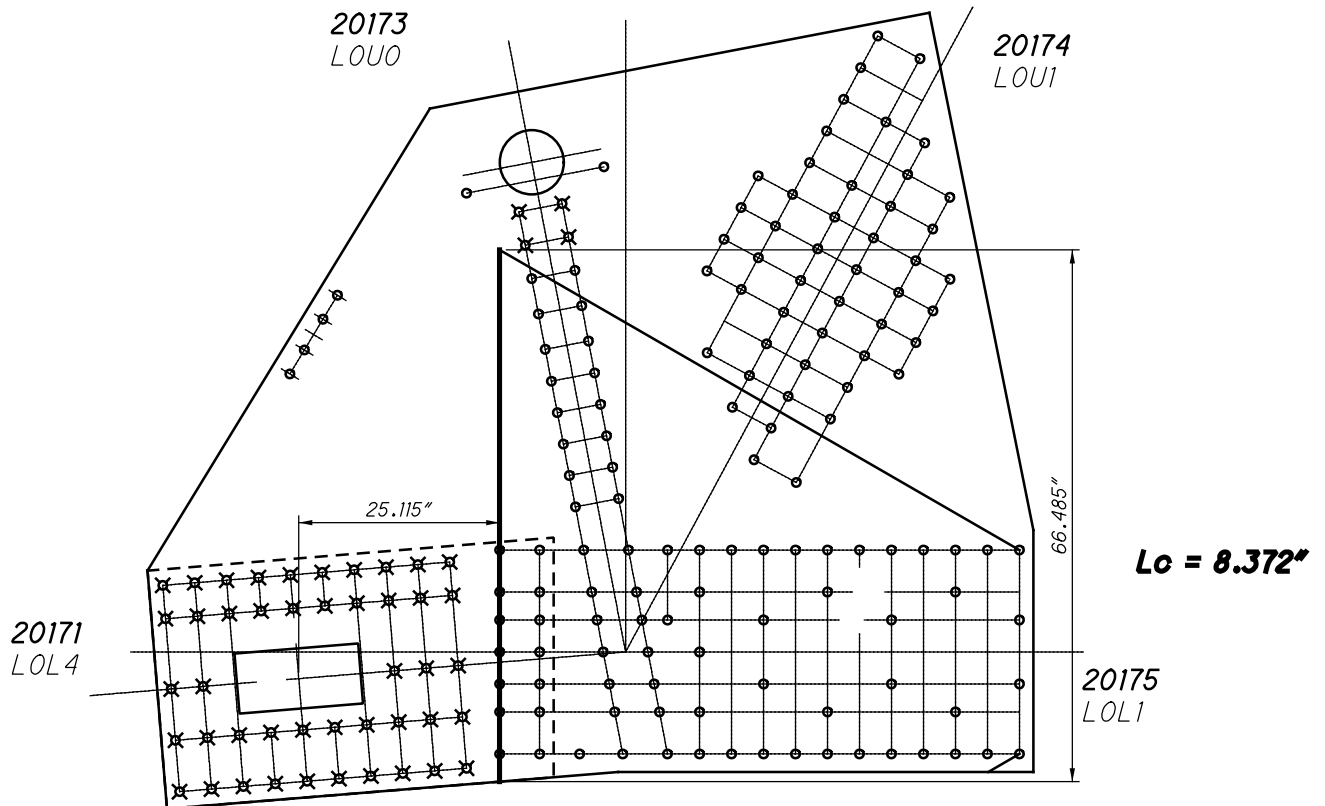
SPLICE PLATE
30" X $\frac{9}{16}$ " X 4'-3"

$L_c = 3.098''$

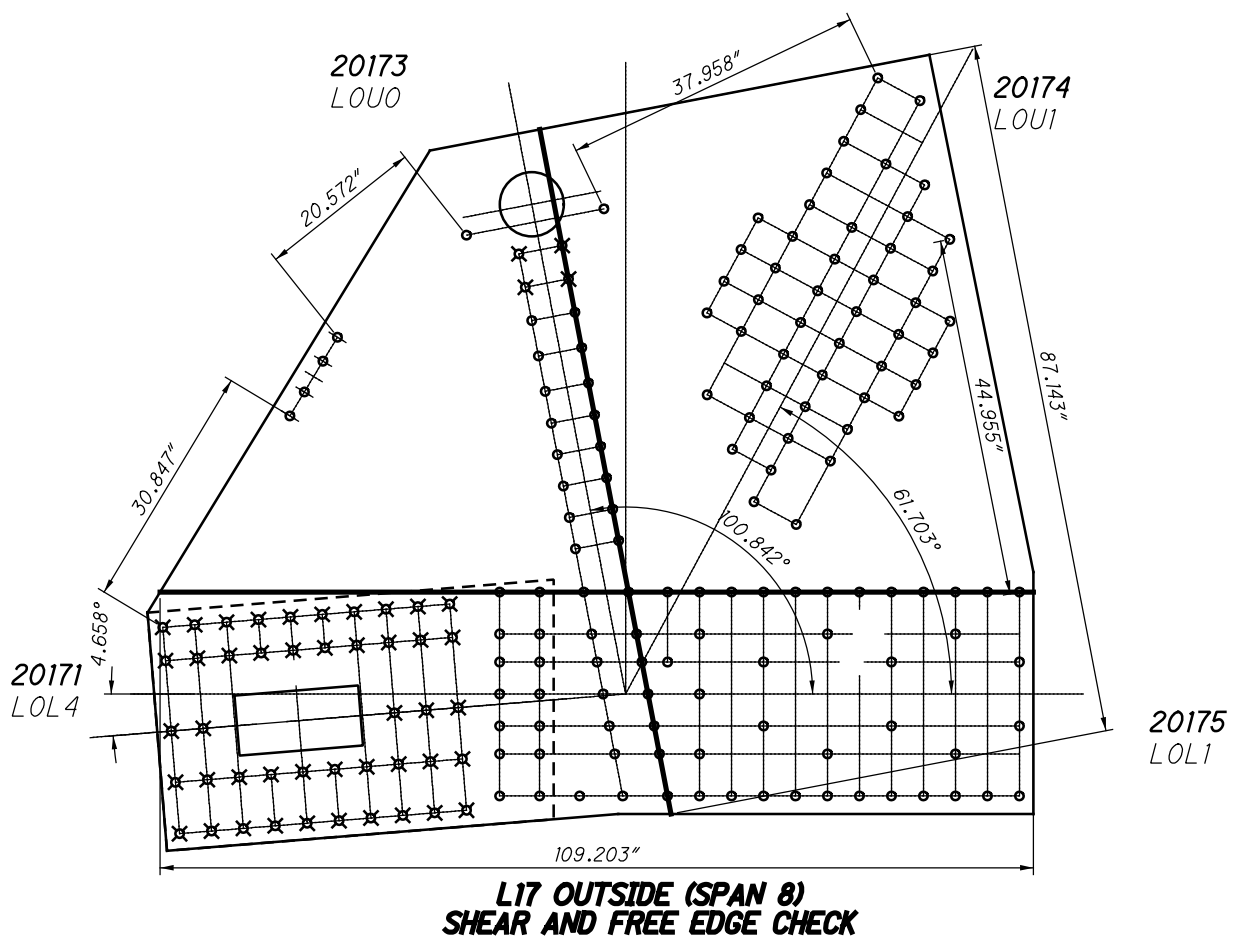
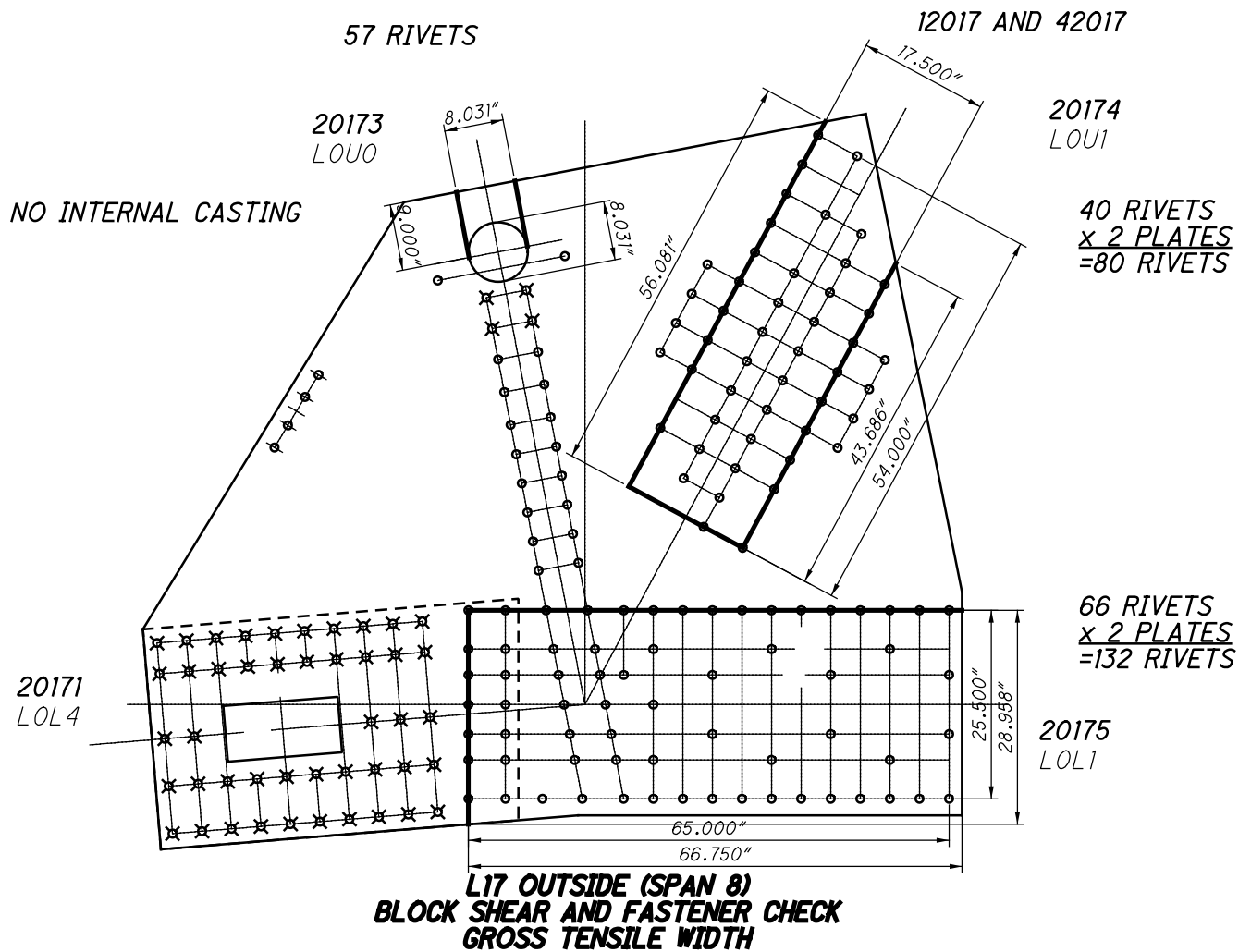
12017 AND 42017

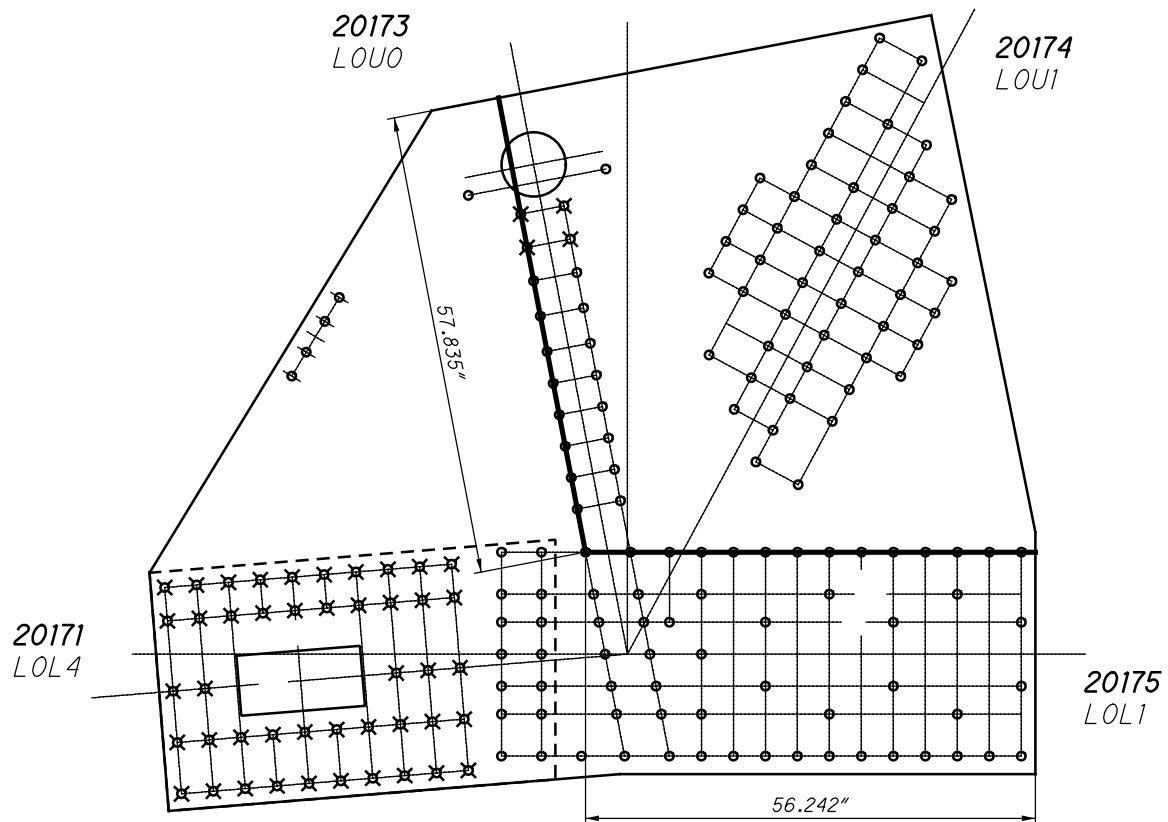


**L17 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

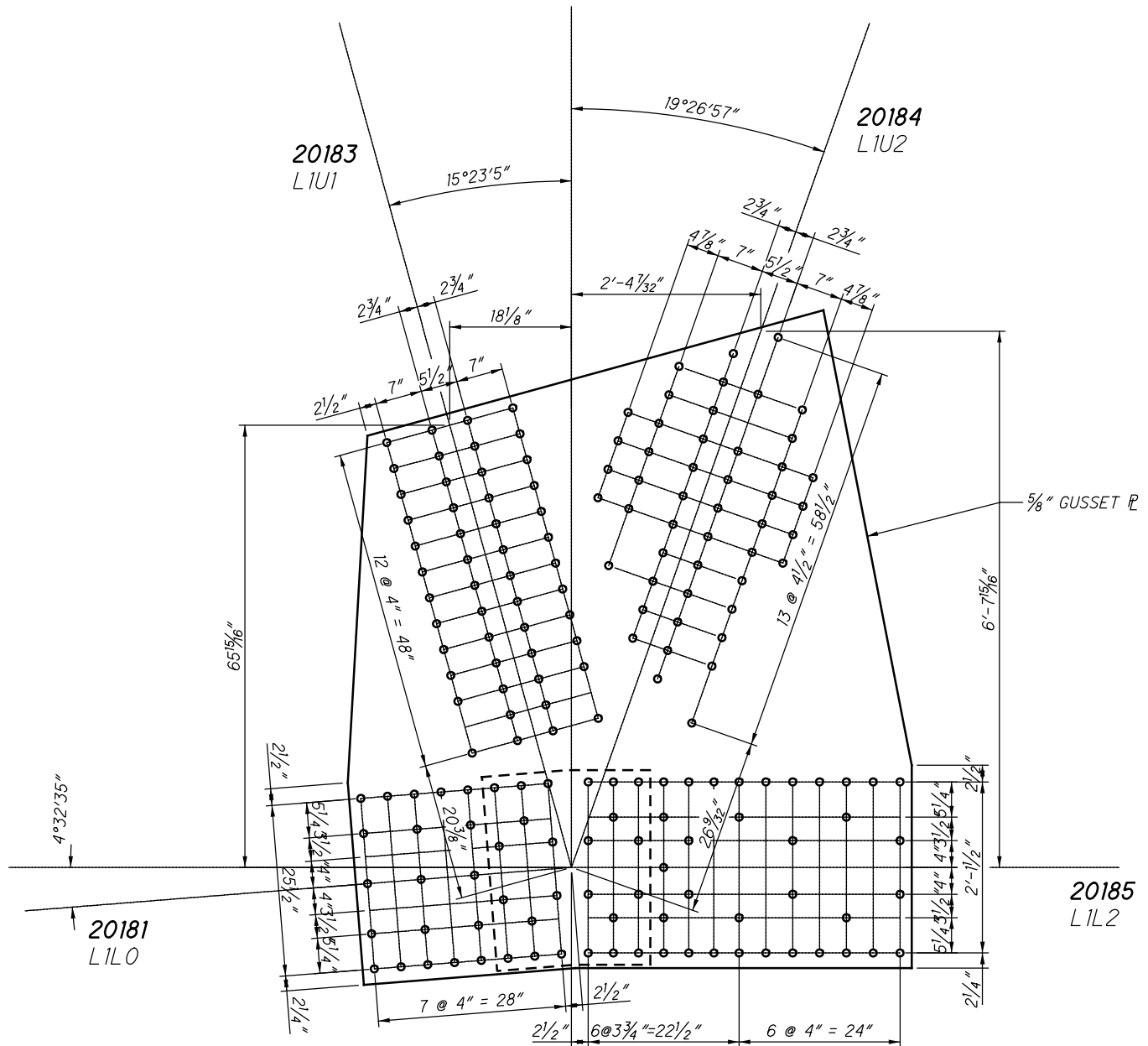


**L17 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



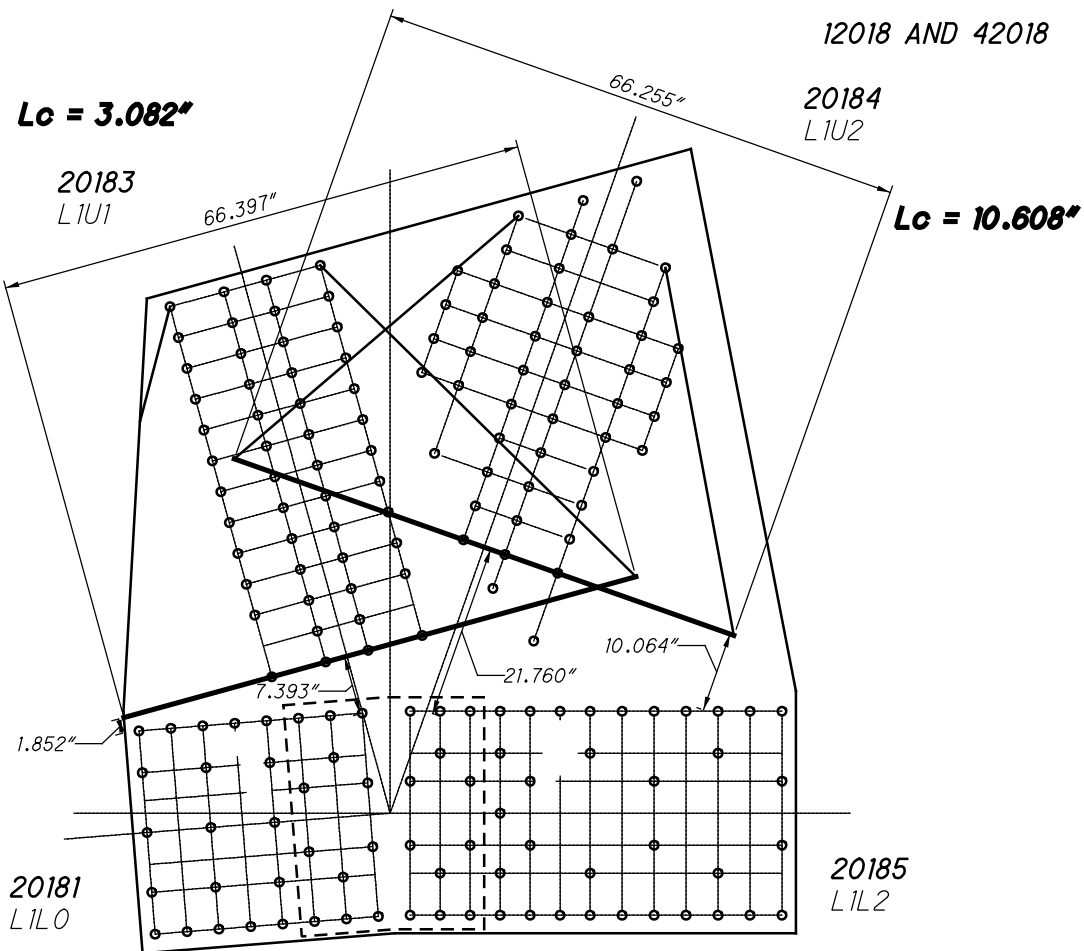


**L17 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**

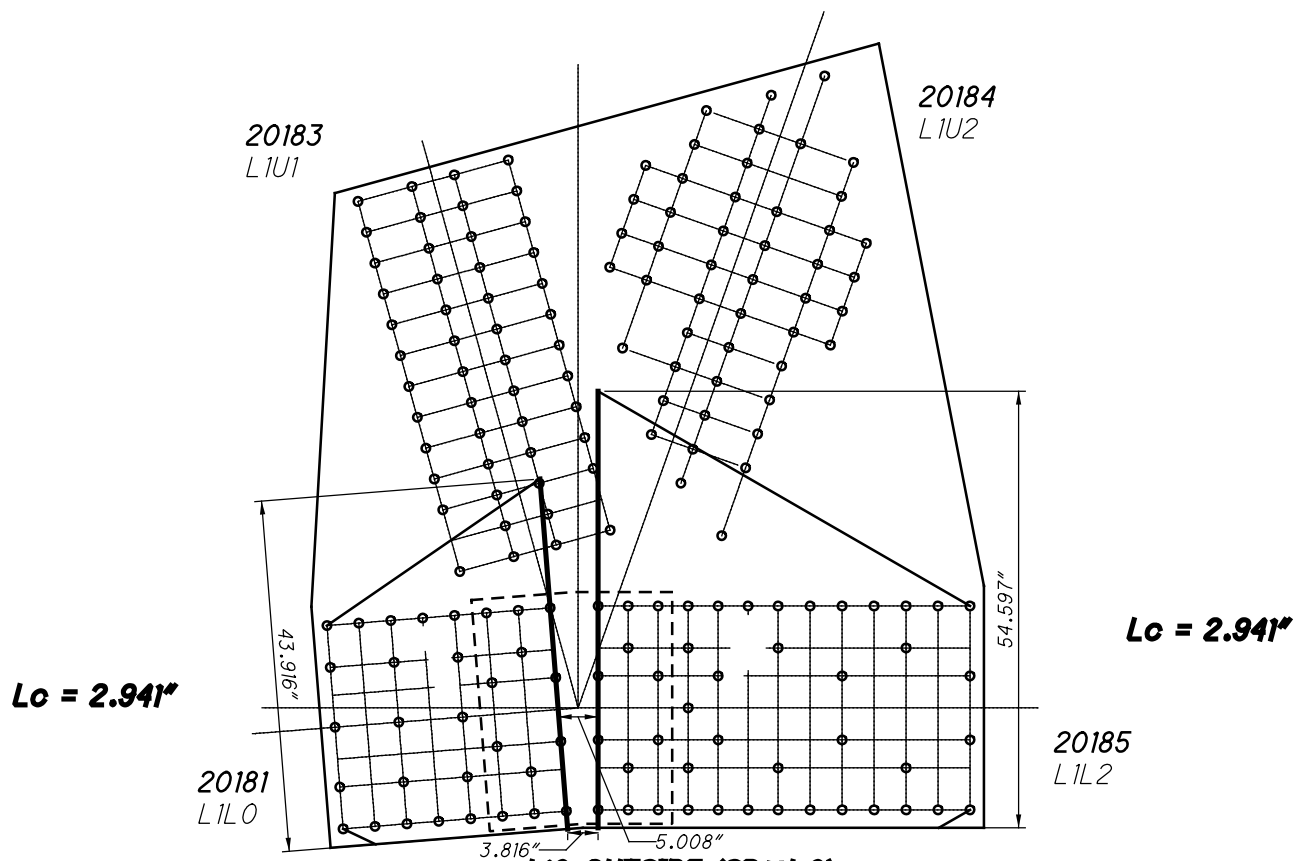


**L18 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

SPLICE PLATE
29 1/2" X 3/8" X 2'-1"



**L18 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L18 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

50 RIVETS
x 2 PLATES
=100 RIVETS

12018 AND 42018

20184
L1U2

40 RIVETS
x 2 PLATES
=80 RIVETS

20183
L1U1

31 RIVETS
x 2 PLATES
=62 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

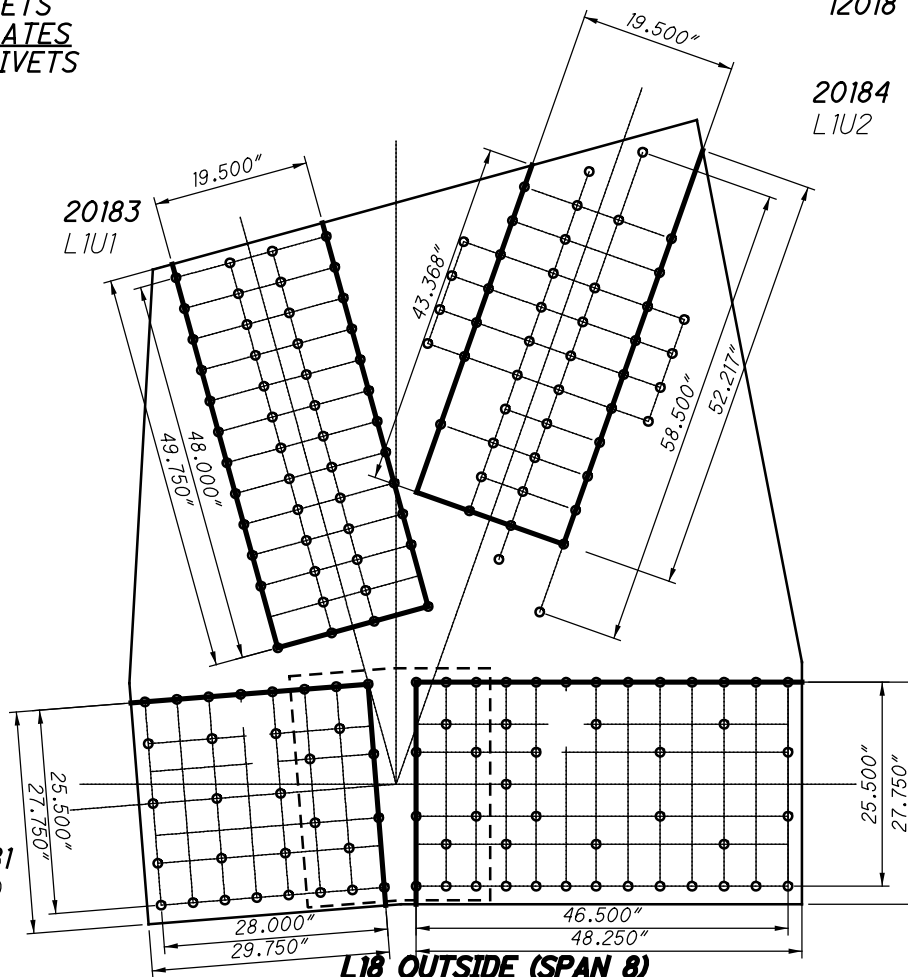
20181
L1L0

45 RIVETS
x 2 PLATES
=90 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

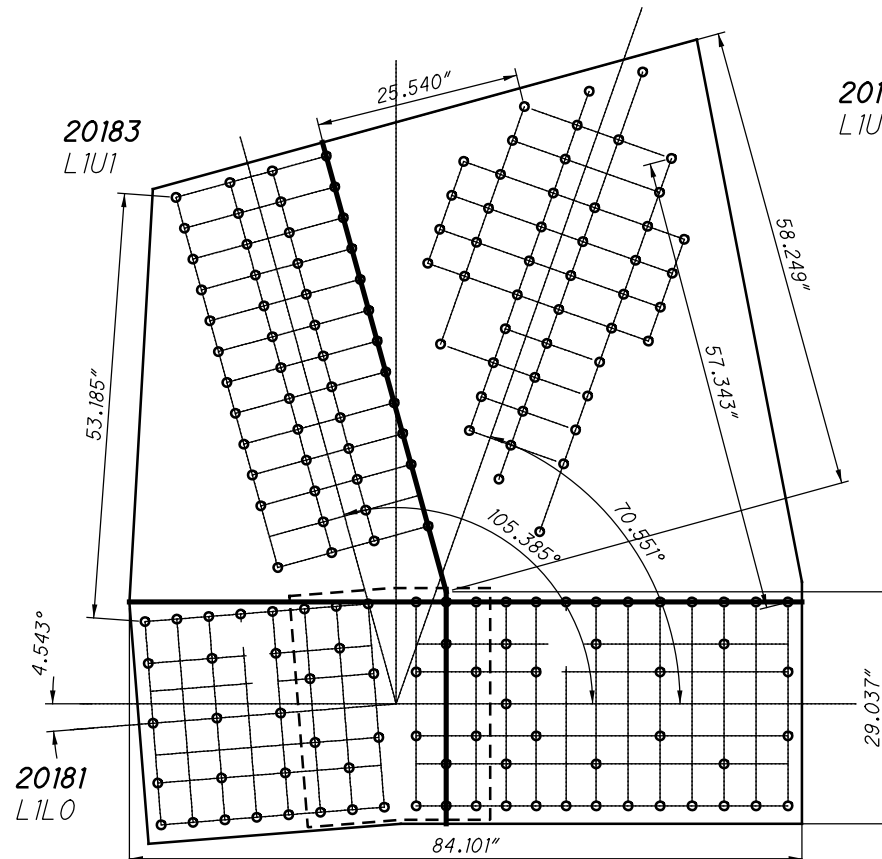
20185
L1L2

**L18 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



20184
L1U2

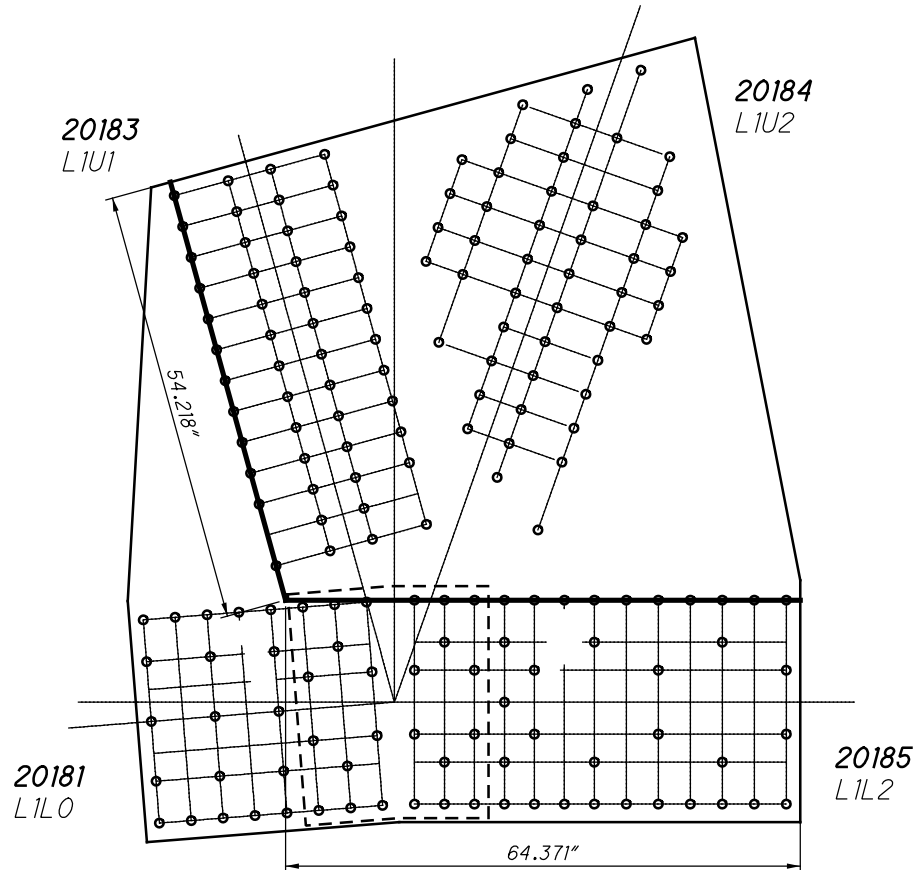
20183
L1U1



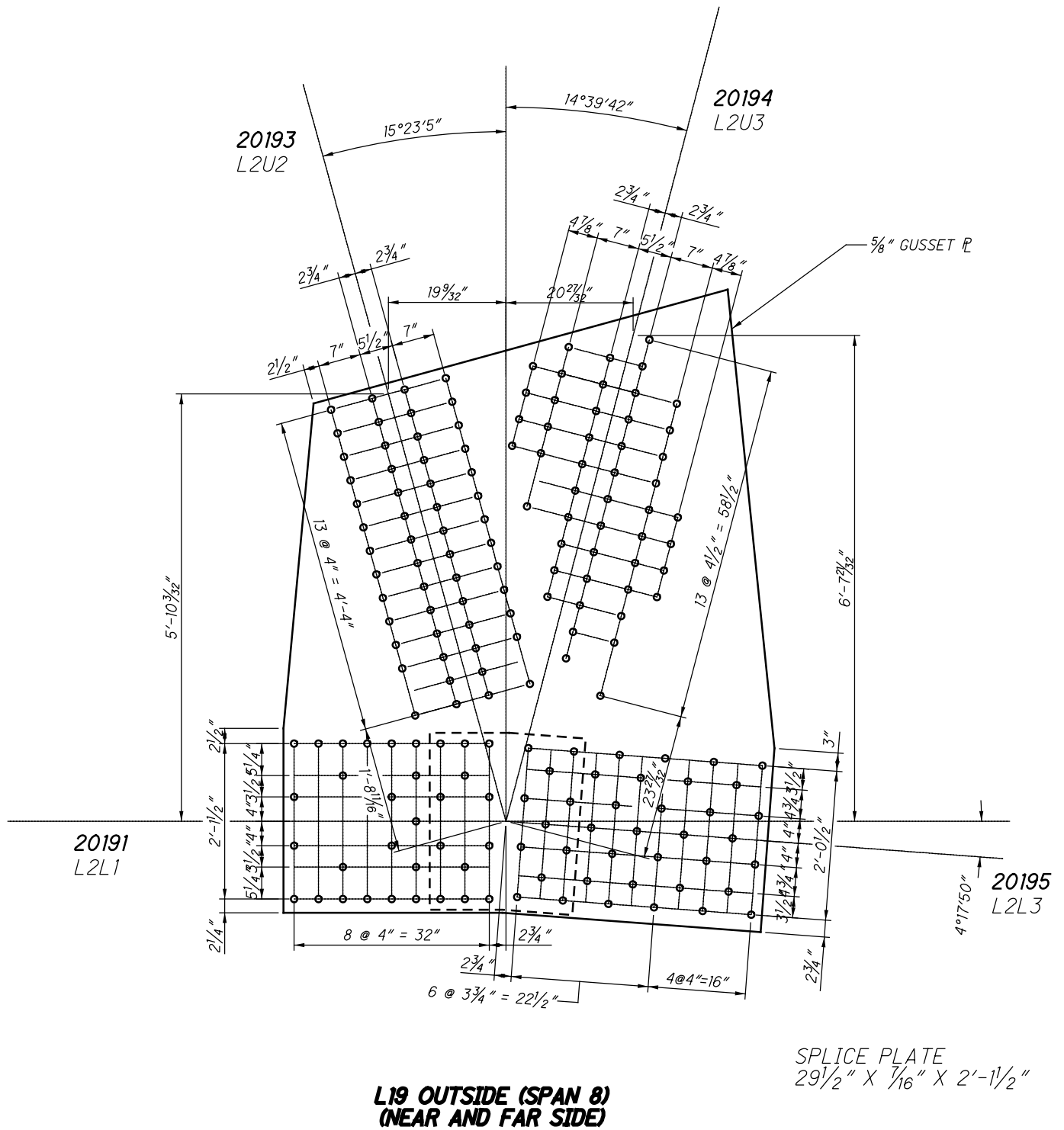
20181
L1L0

20185
L1L2

**L18 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

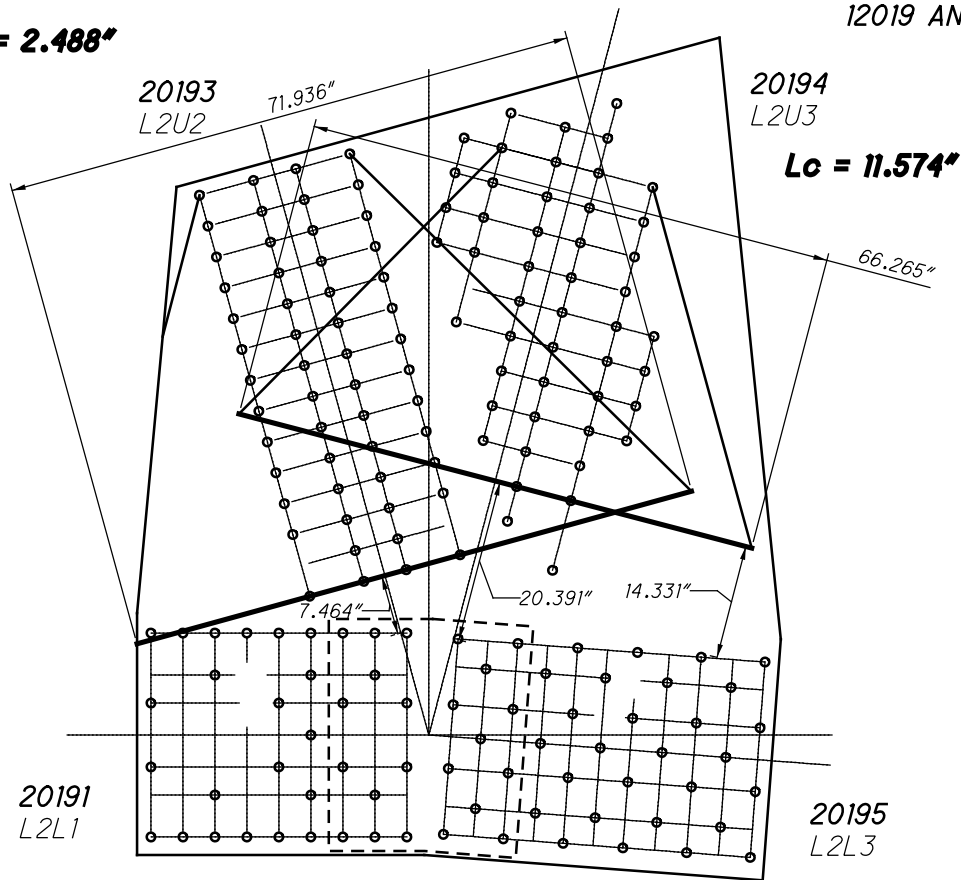


**L18 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**

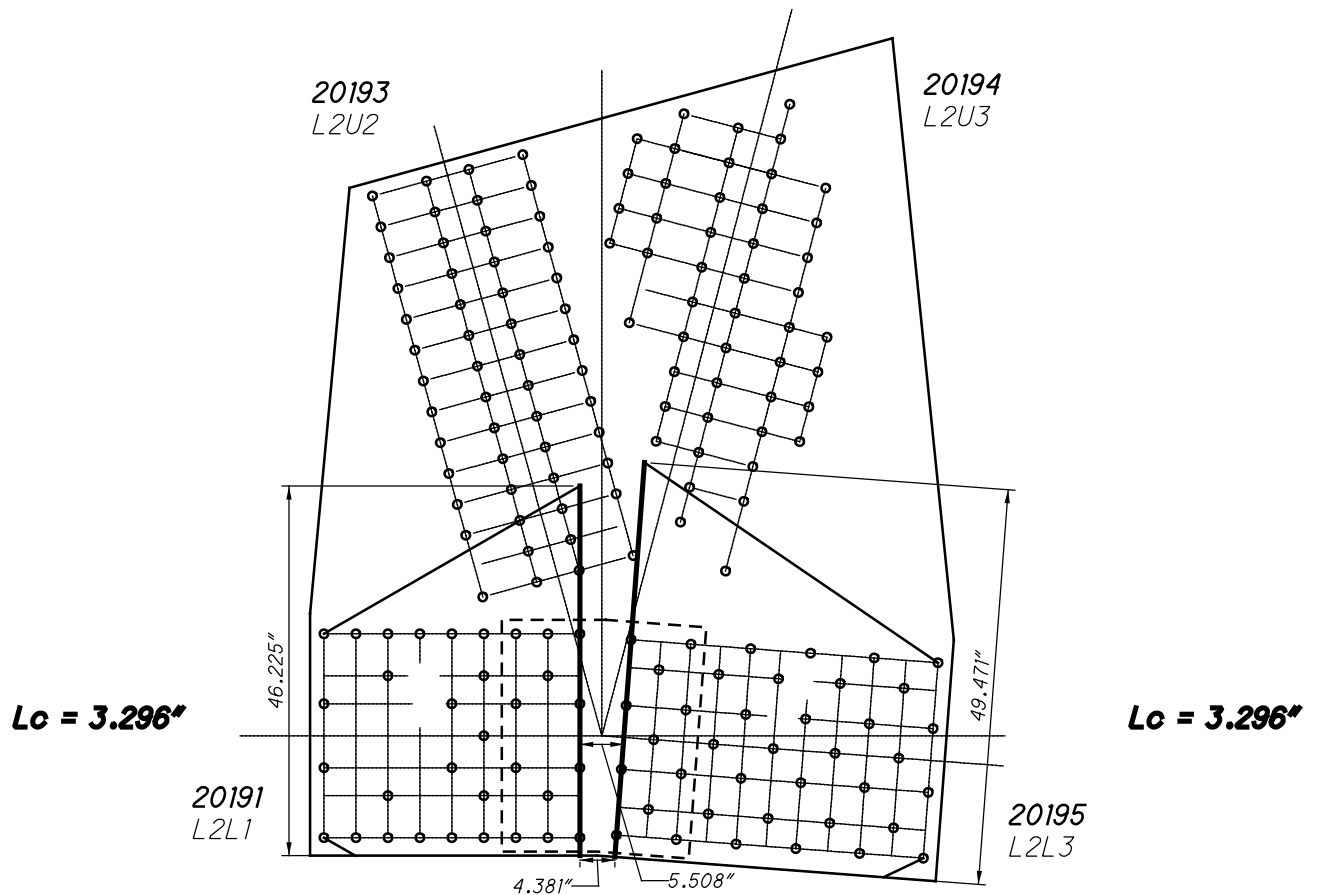


$L_c = 2.488''$

12019 AND 42019



**L19 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L19 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

54 RIVETS
x 2 PLATES
=108 RIVETS

20193
L2U2

12019 AND 42019

20194
L2U3
40 RIVETS
x 2 PLATES
=80 RIVETS

33 RIVETS
x 2 PLATES
=66 RIVETS

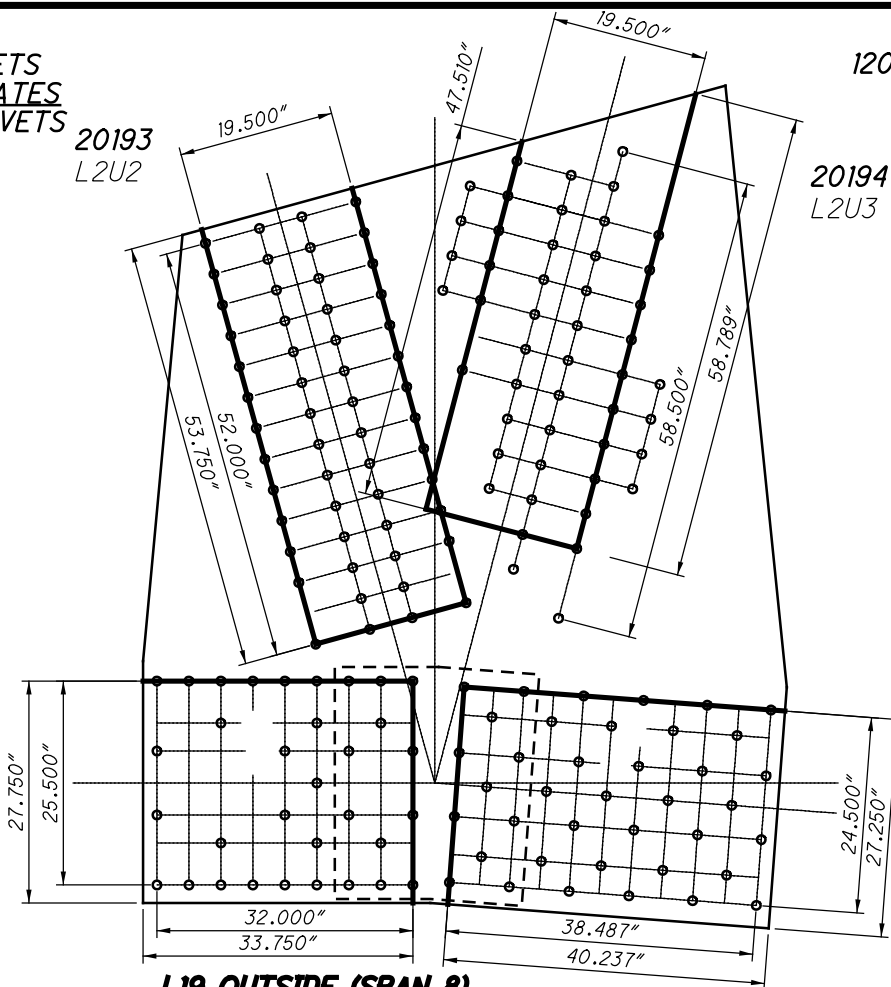
39 RIVETS
x 2 PLATES
=78 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

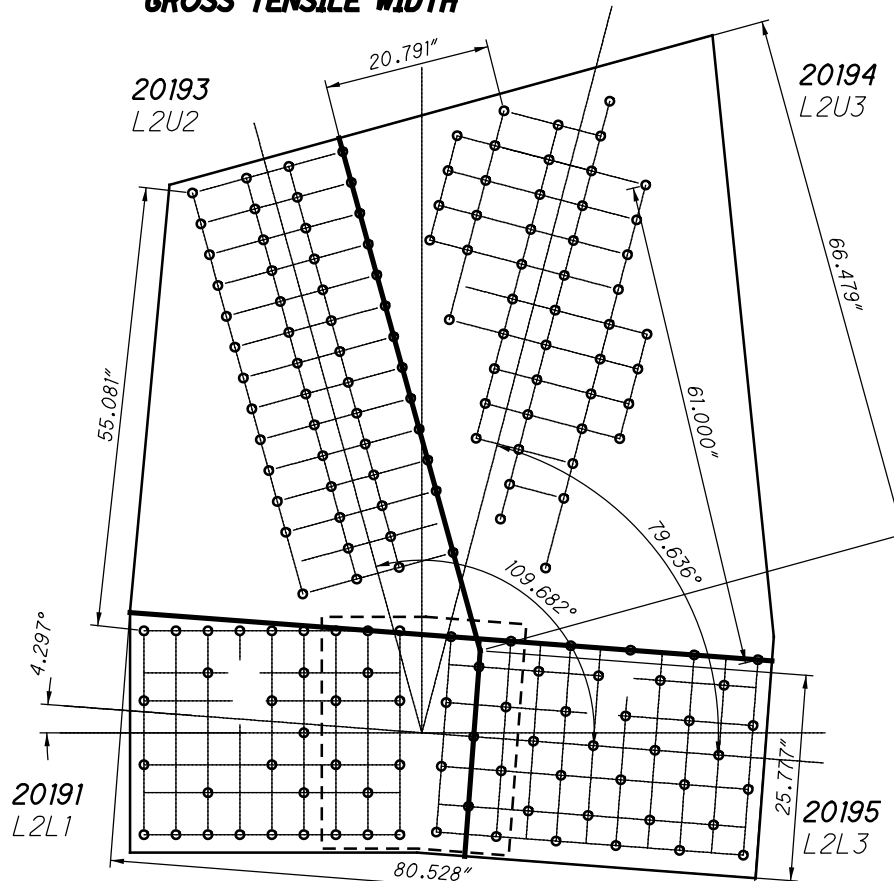
11 SPLICE P
x 2 PLATES
=22 RIVETS

20191
L2L1

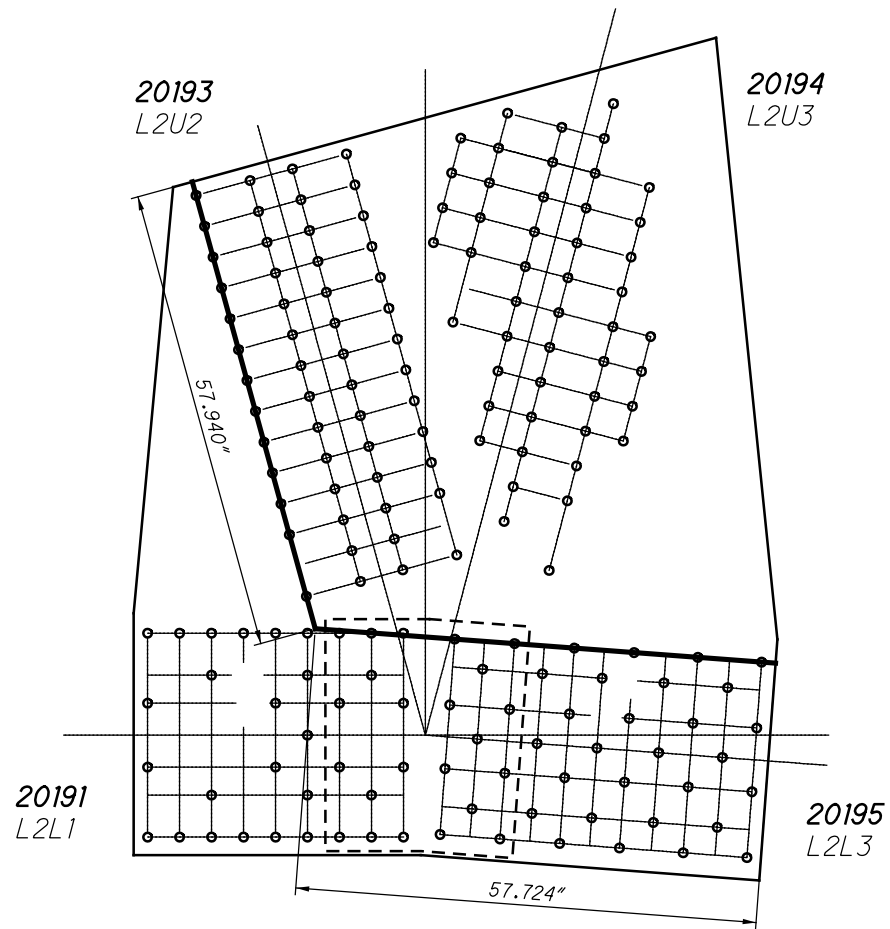
20195
L2L3



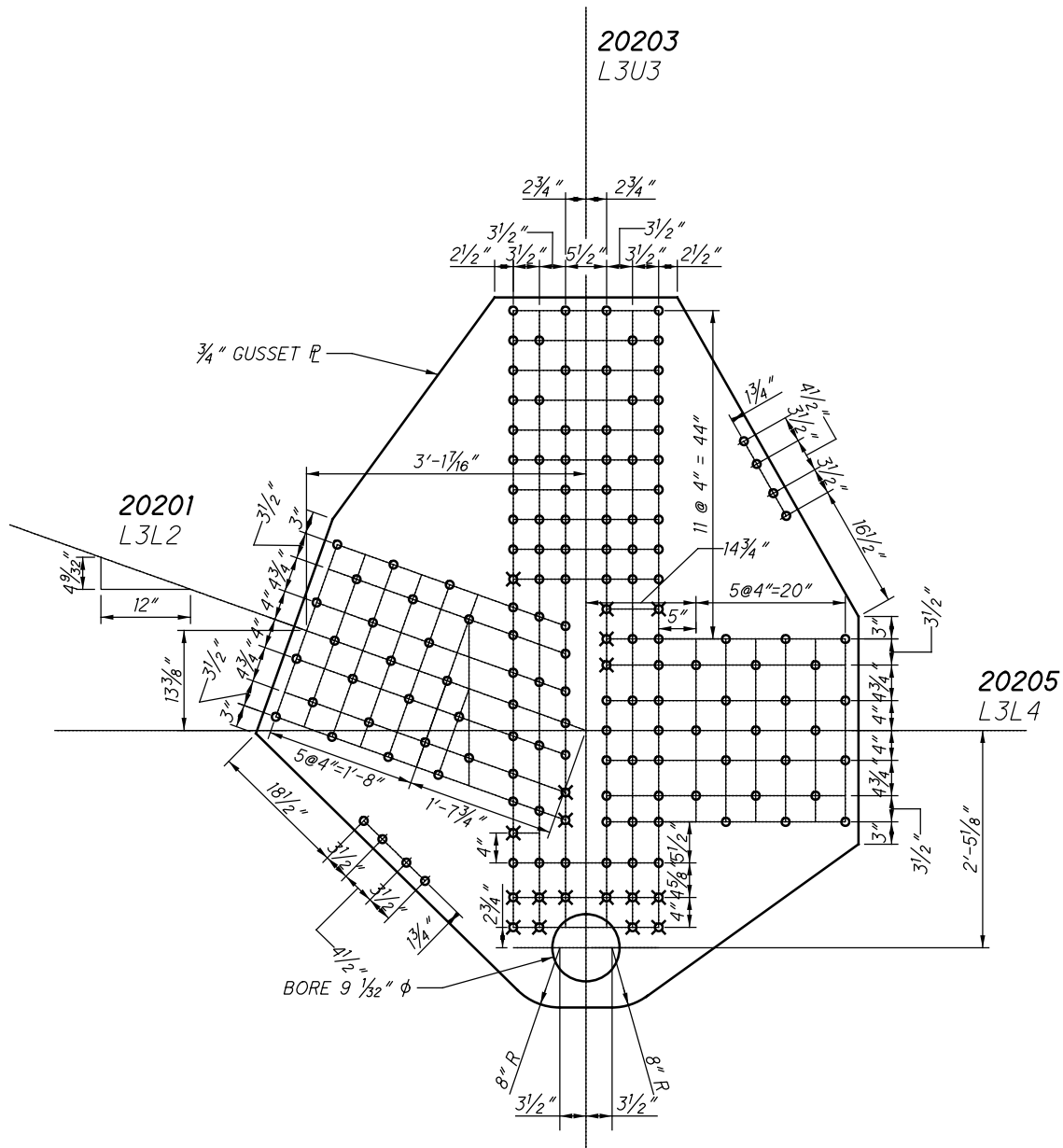
**L19 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



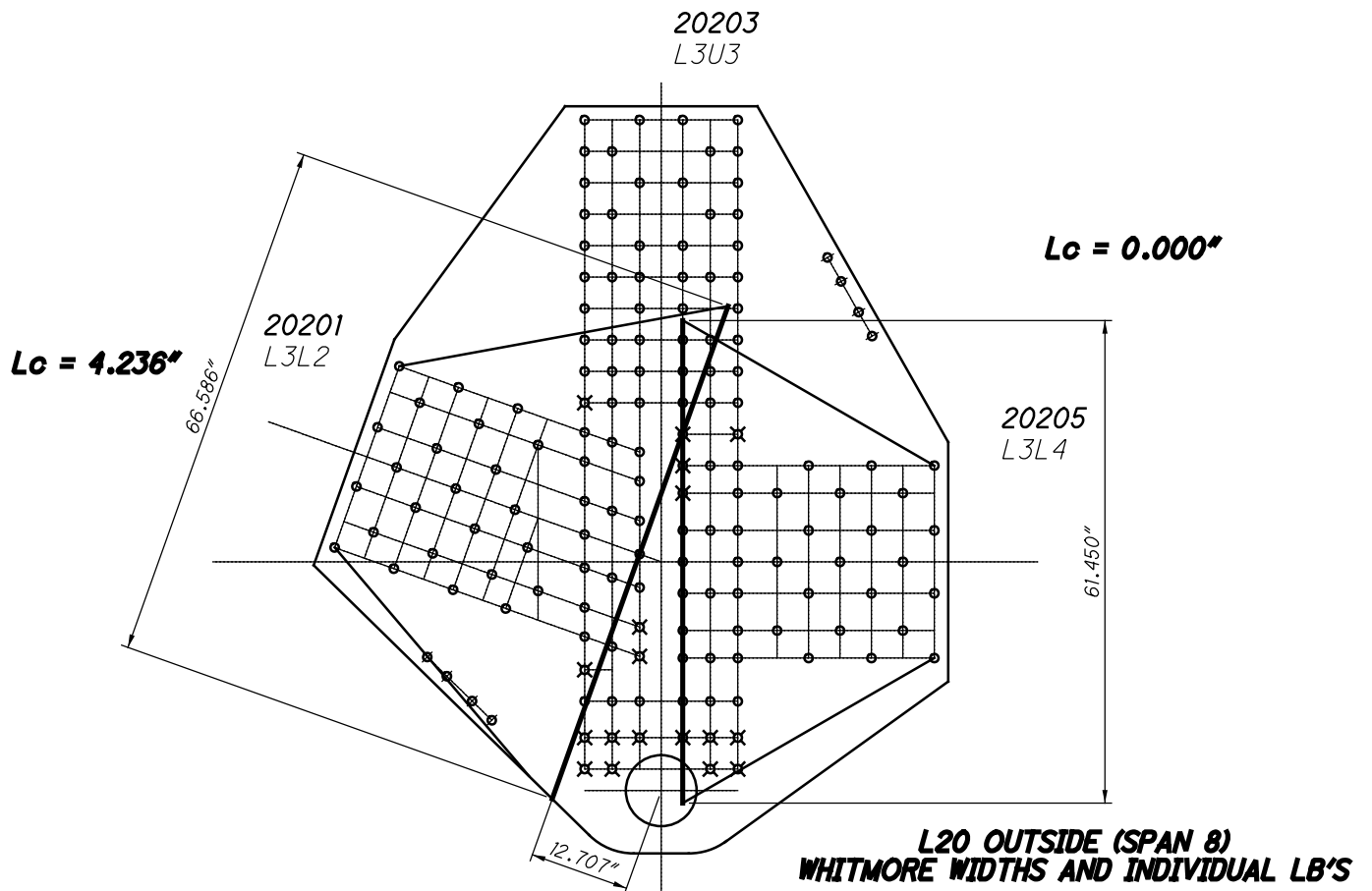
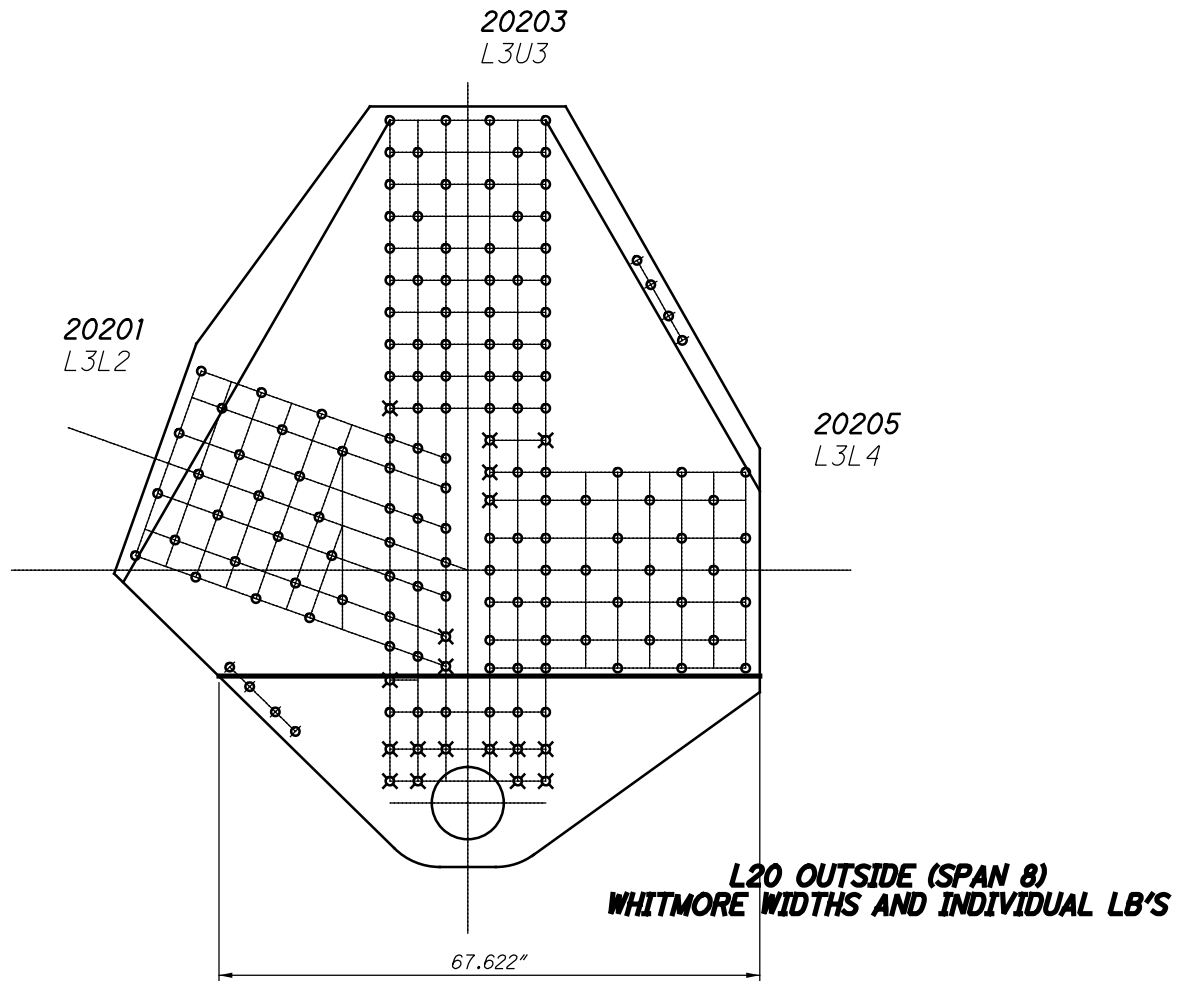
**L19 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

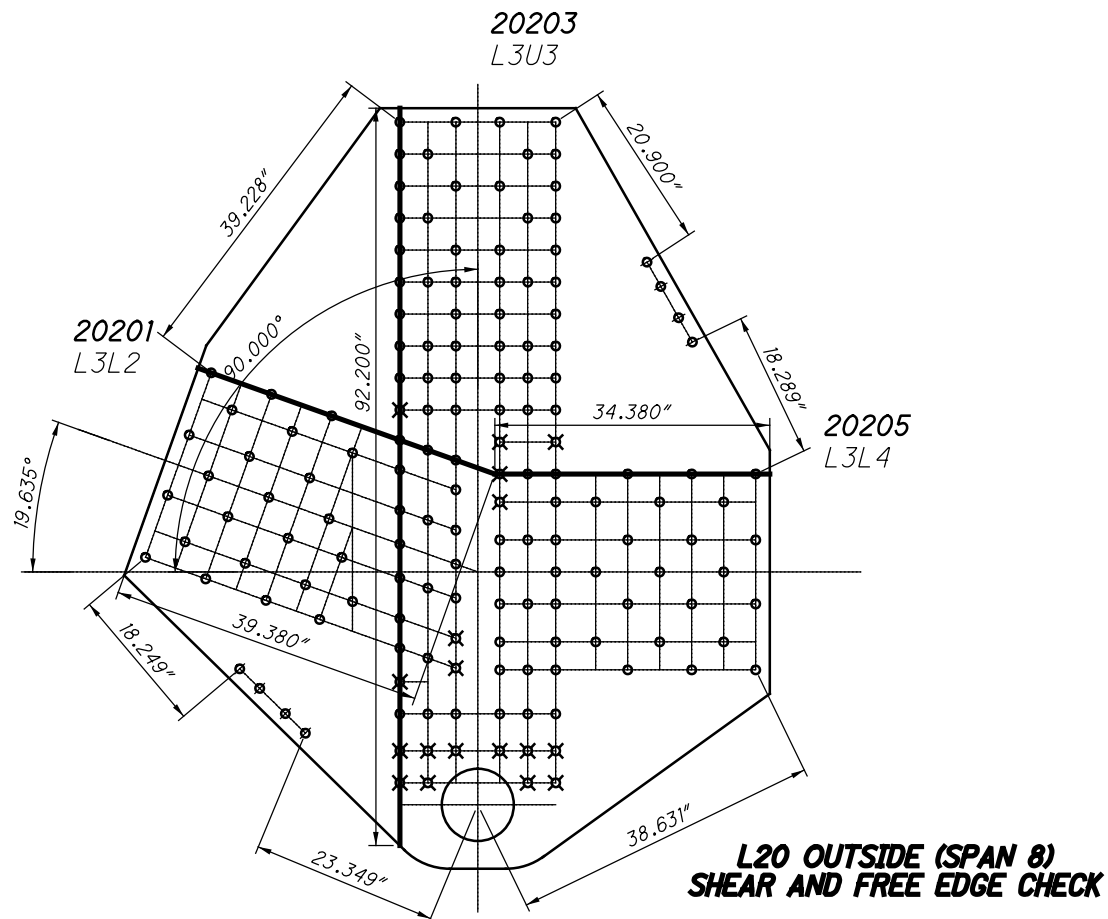
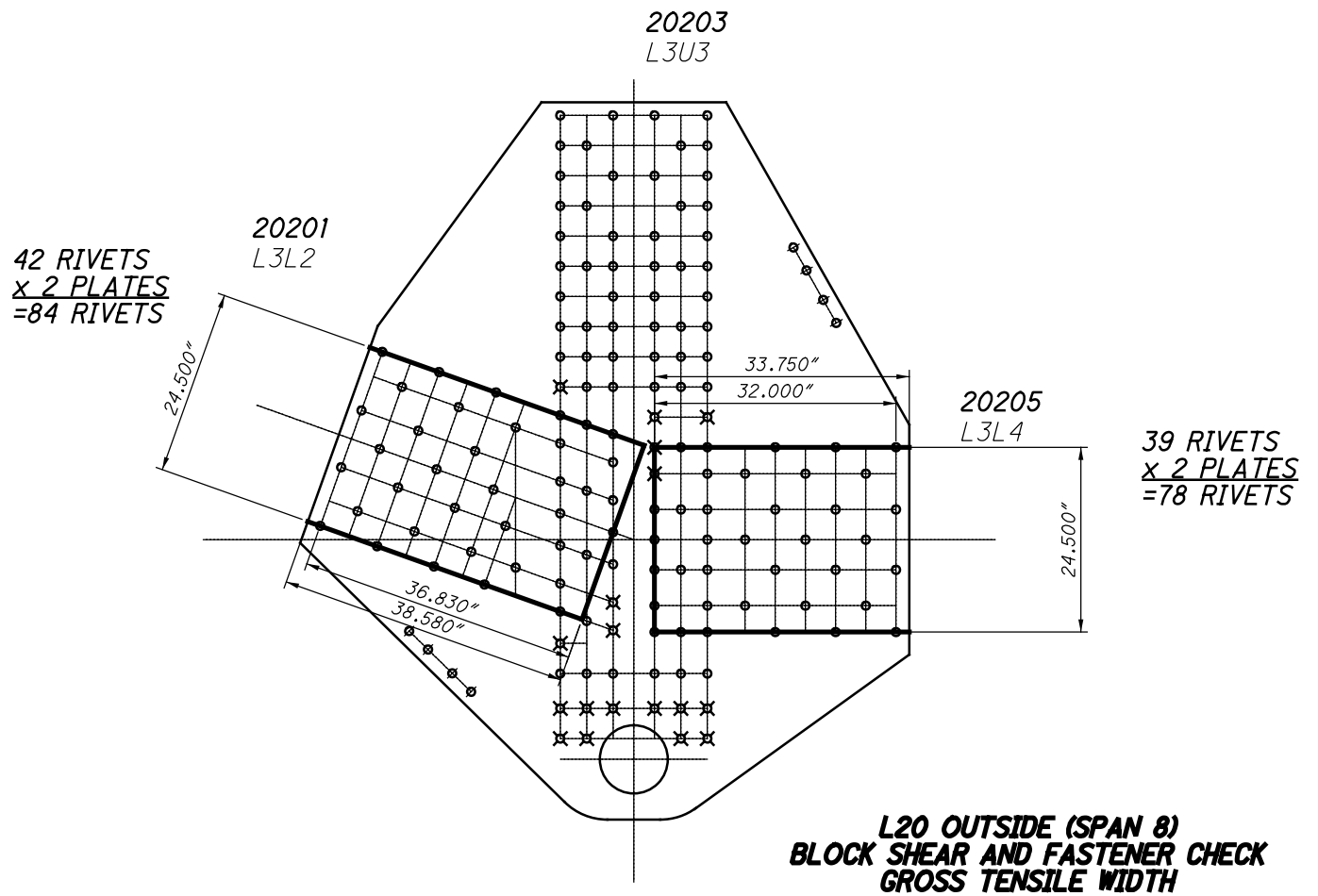


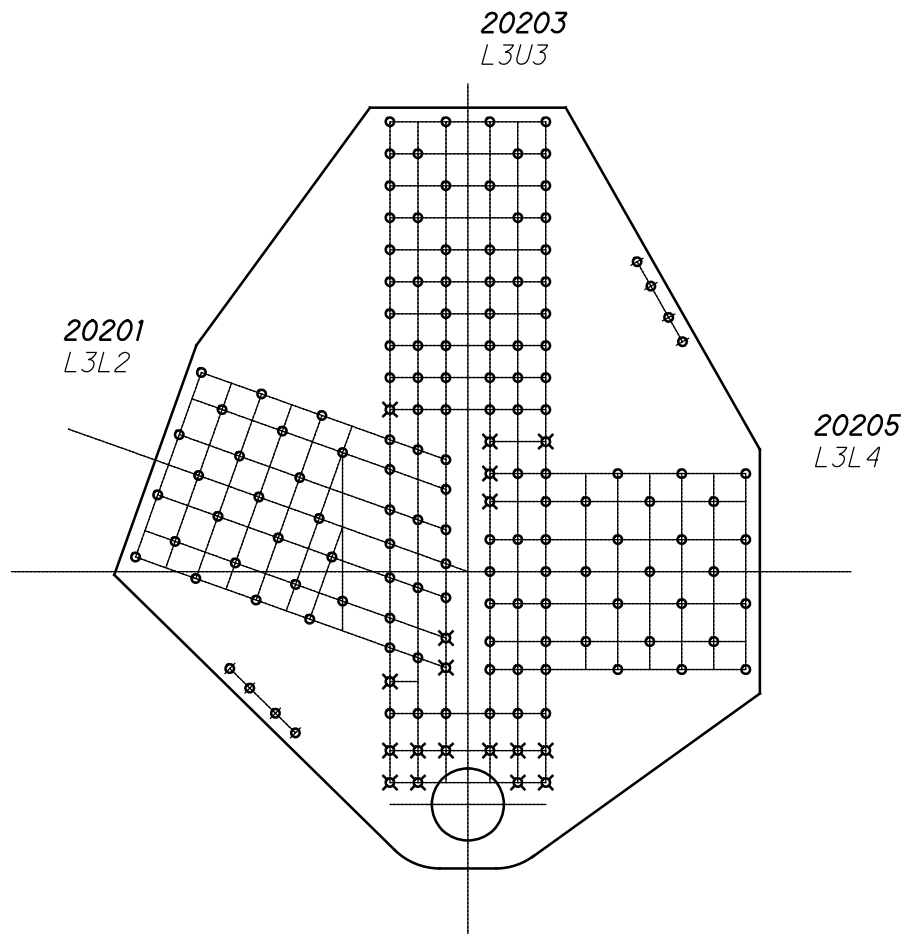
**L19 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



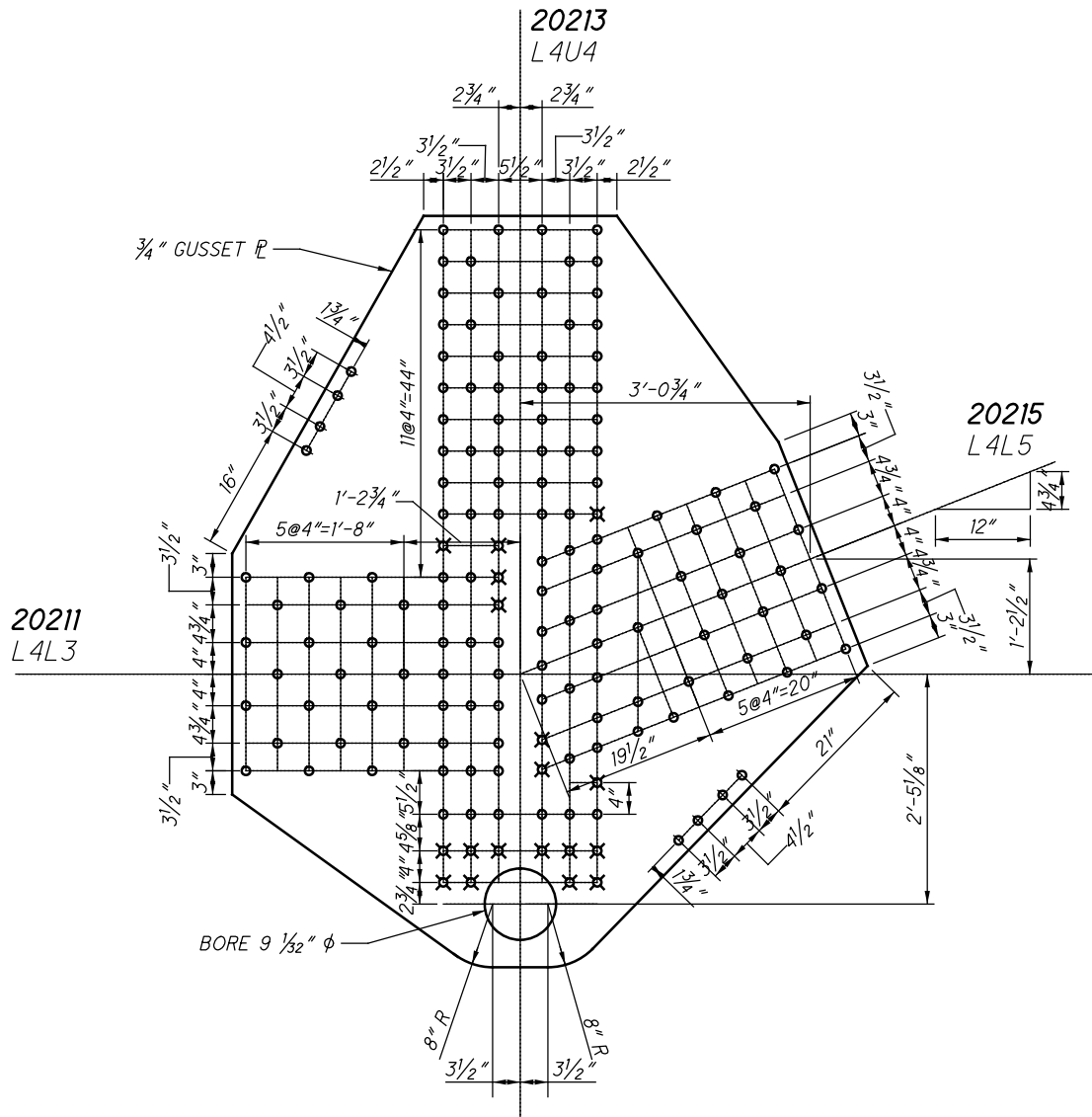
**L20 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



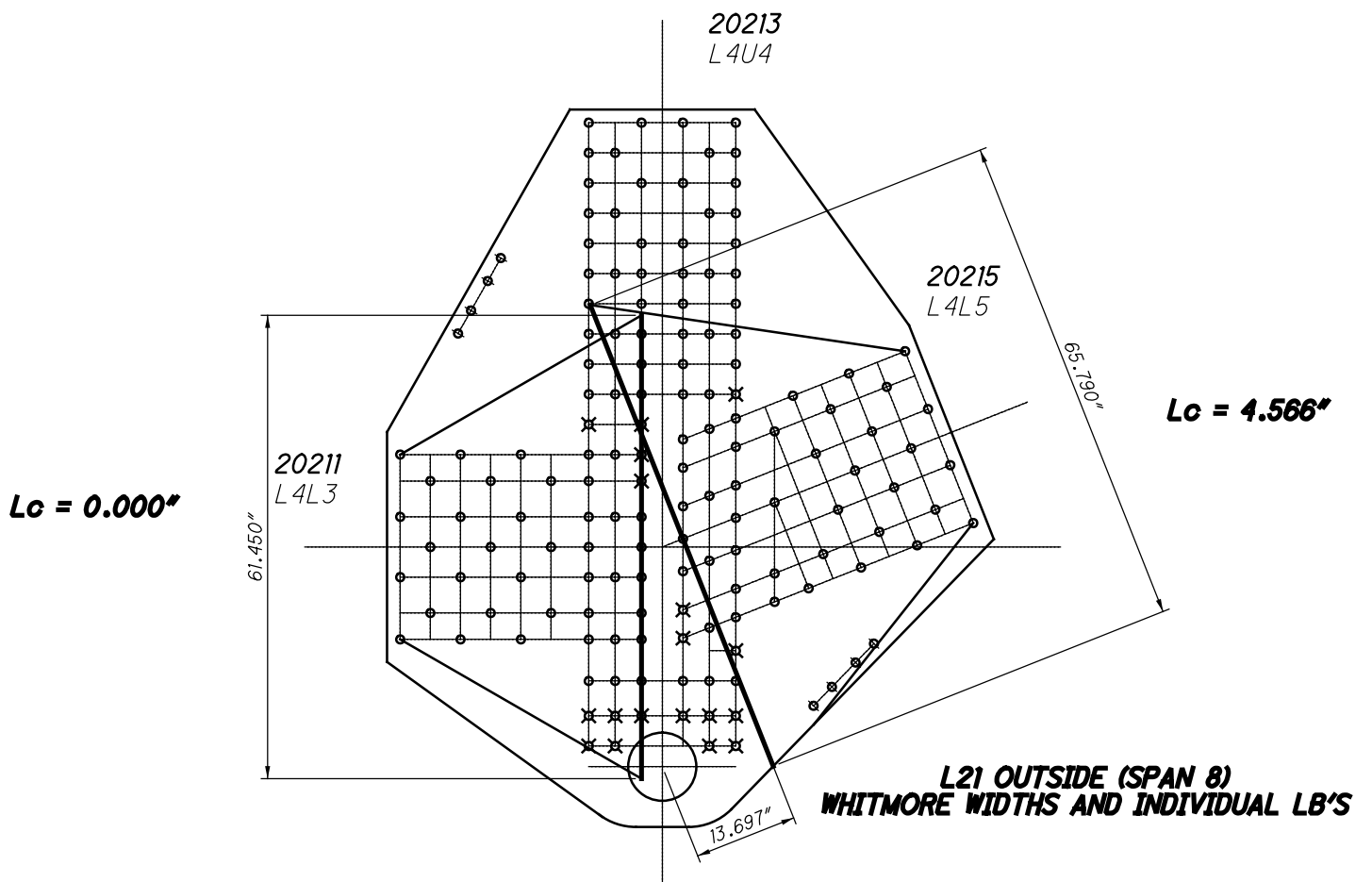
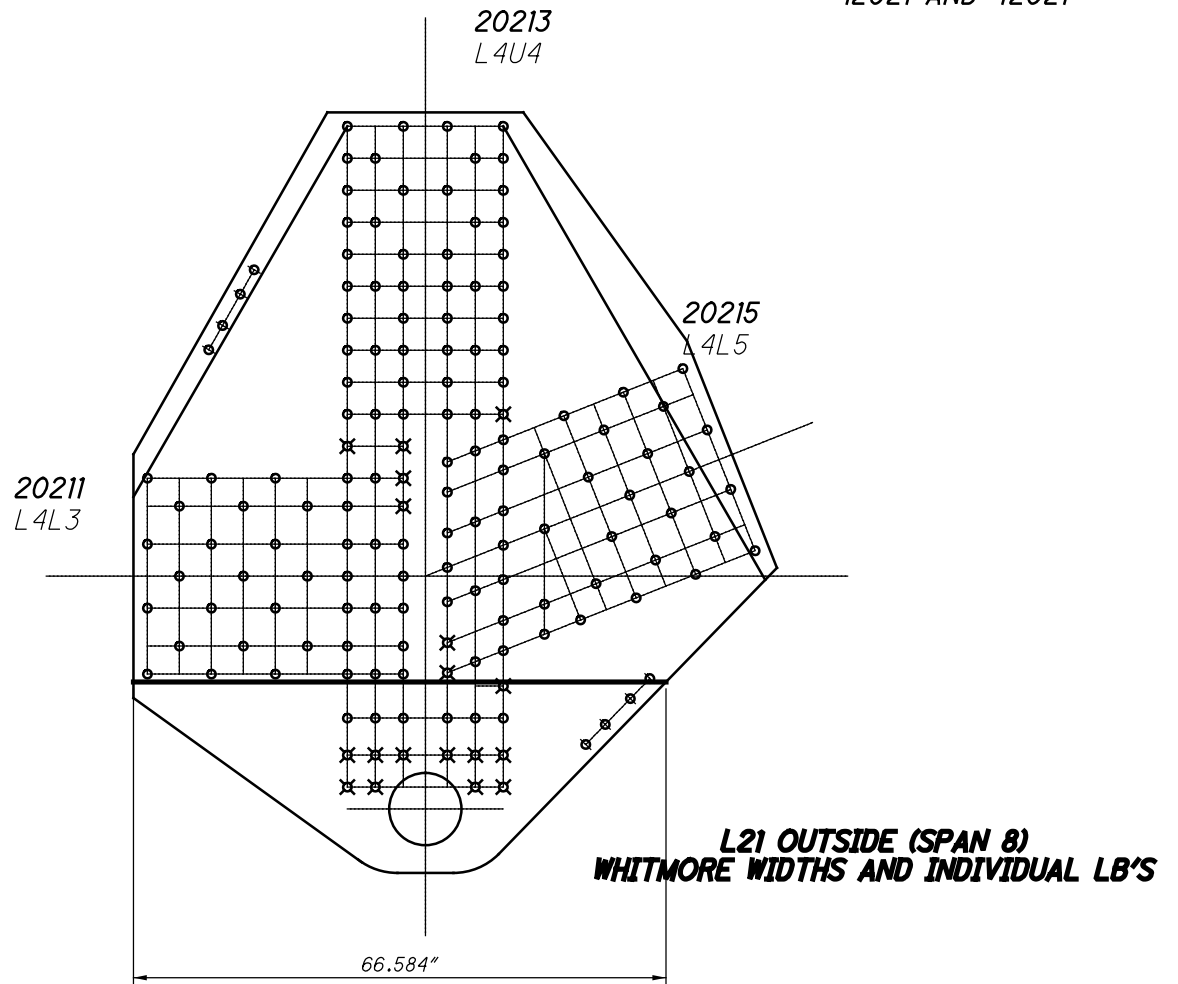




**L20 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L21 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



12021 AND 42021

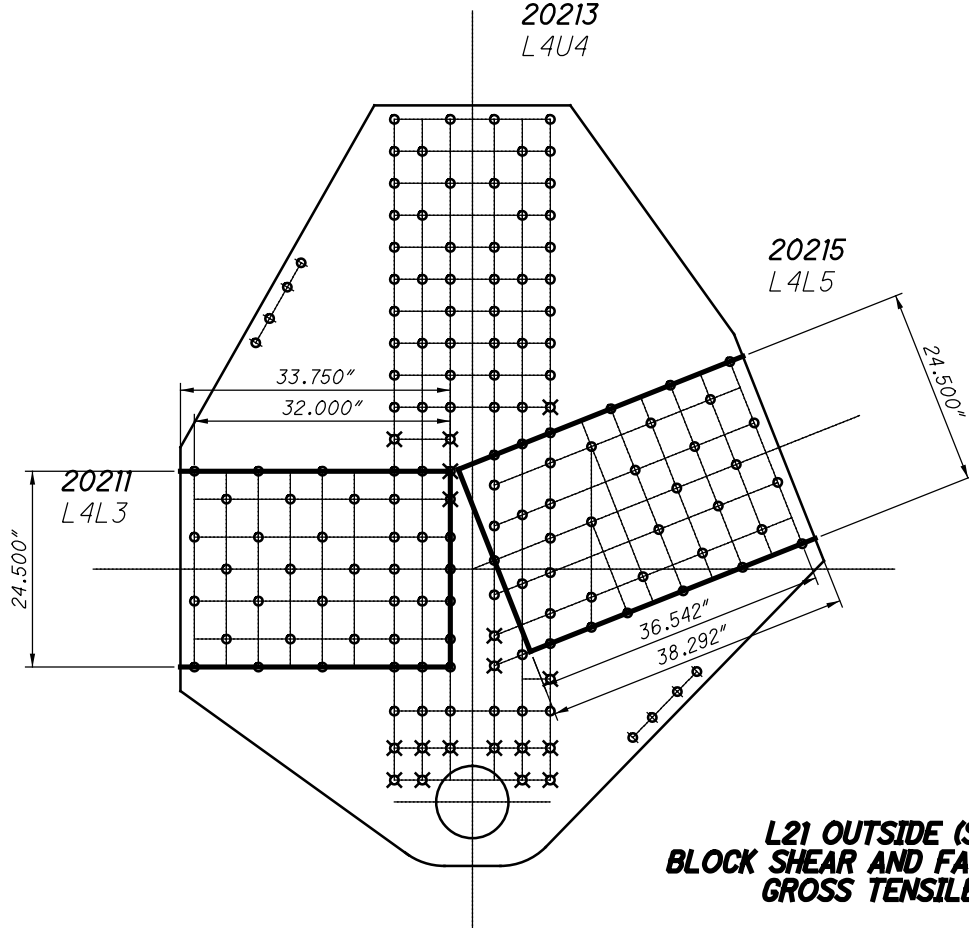
20213
L4U4

20215
L4L5

42 RIVETS
x 2 PLATES
=84 RIVETS

39 RIVETS
x 2 PLATES
=78 RIVETS

20211
L4L3

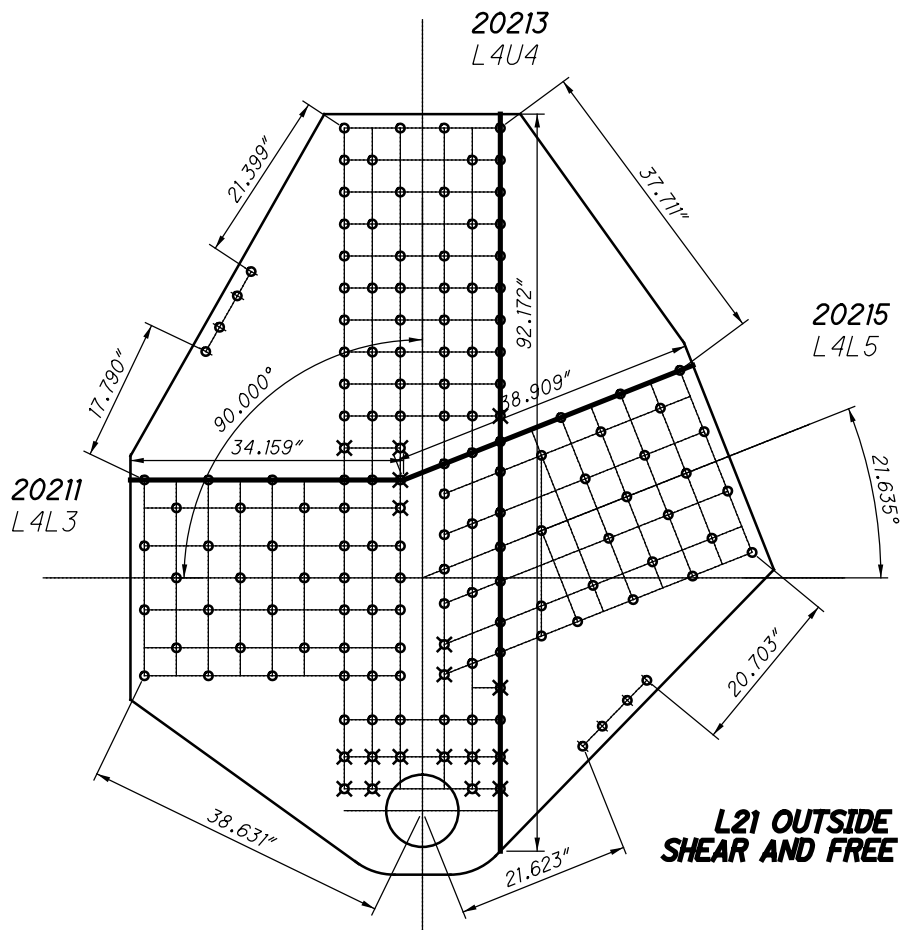


**L21 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

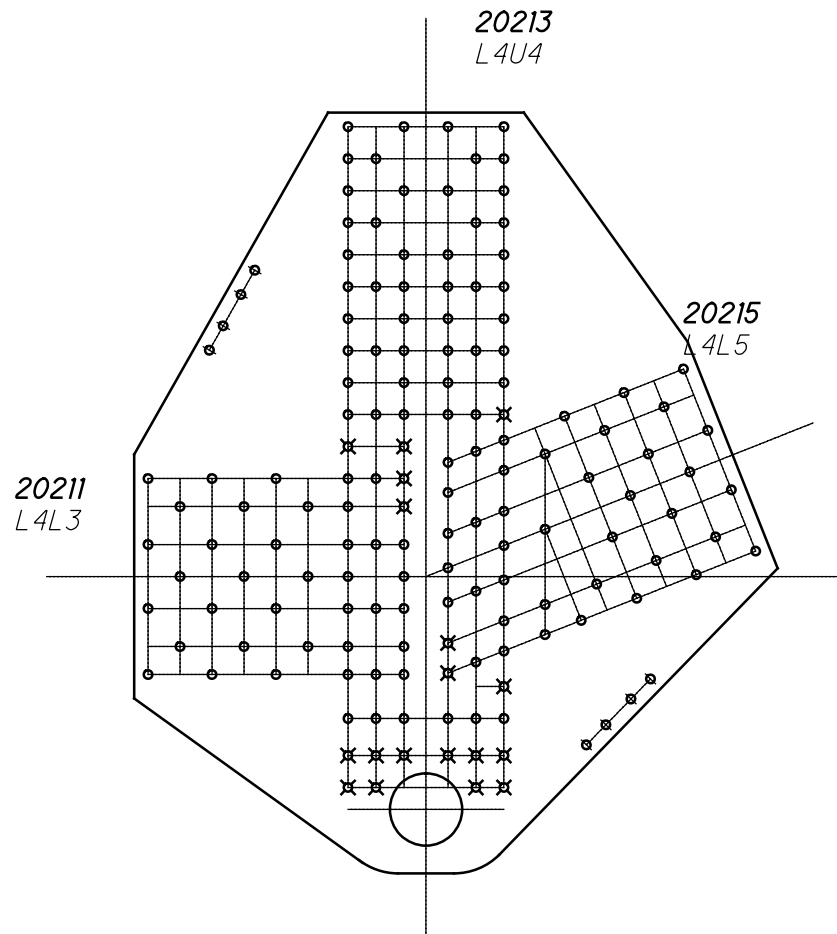
20213
L4U4

20215
L4L5

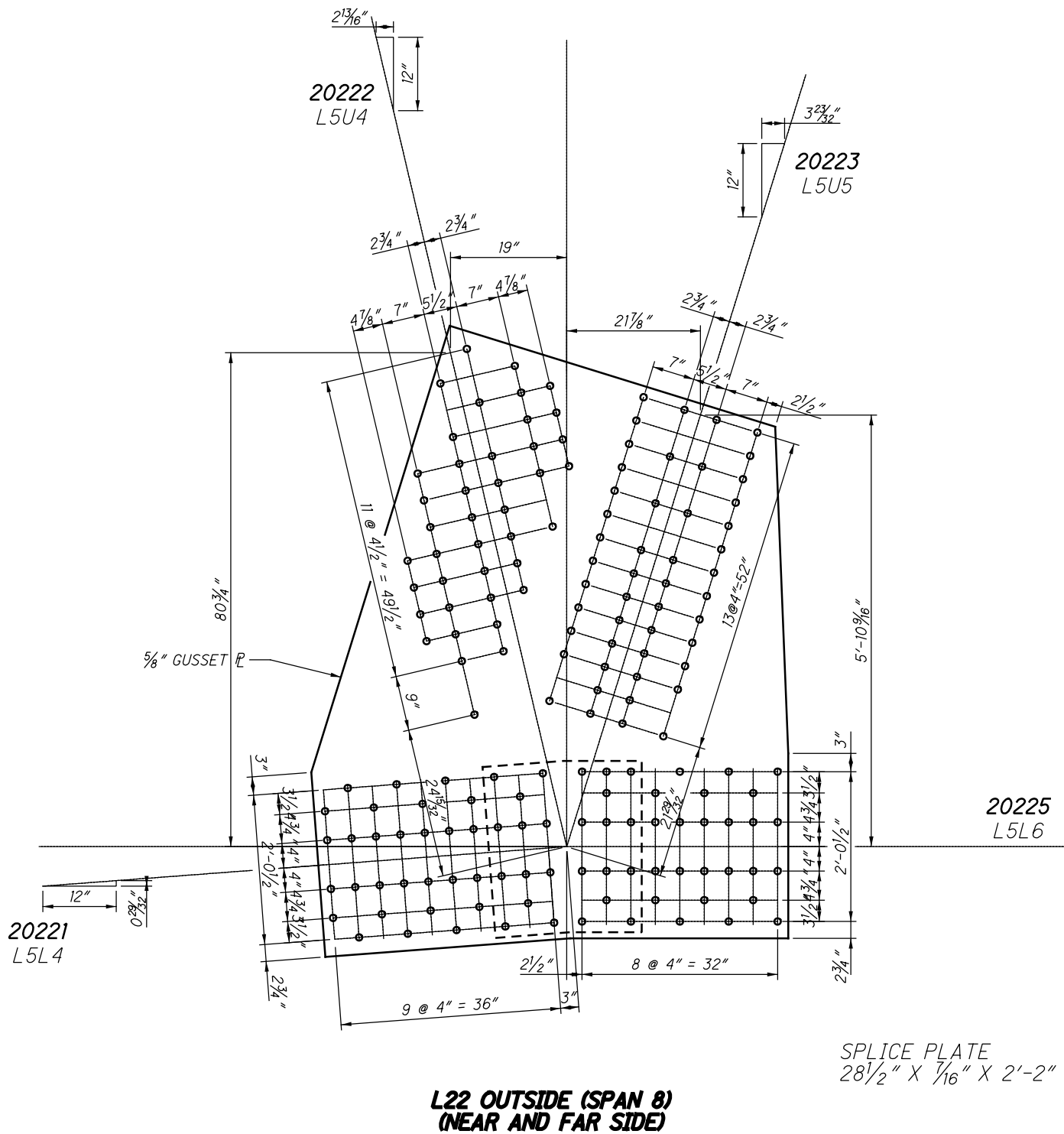
20211
L4L3

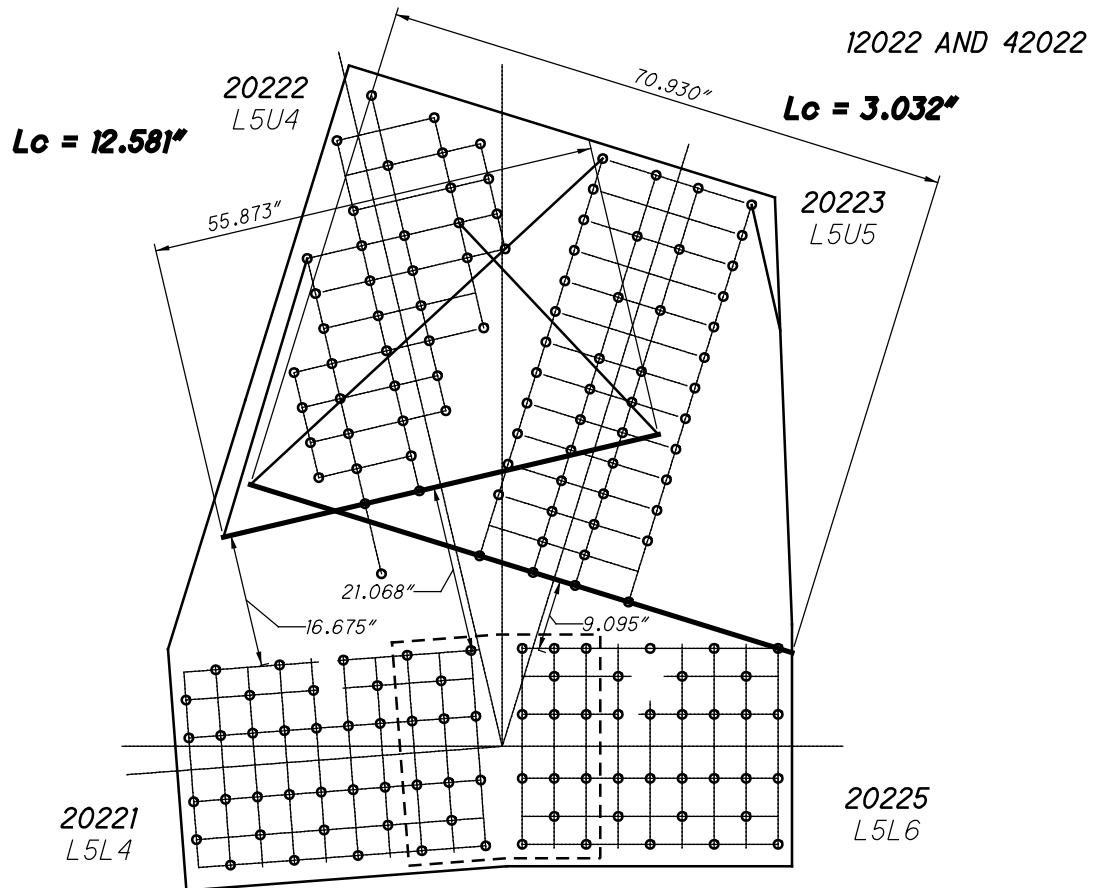


**L21 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

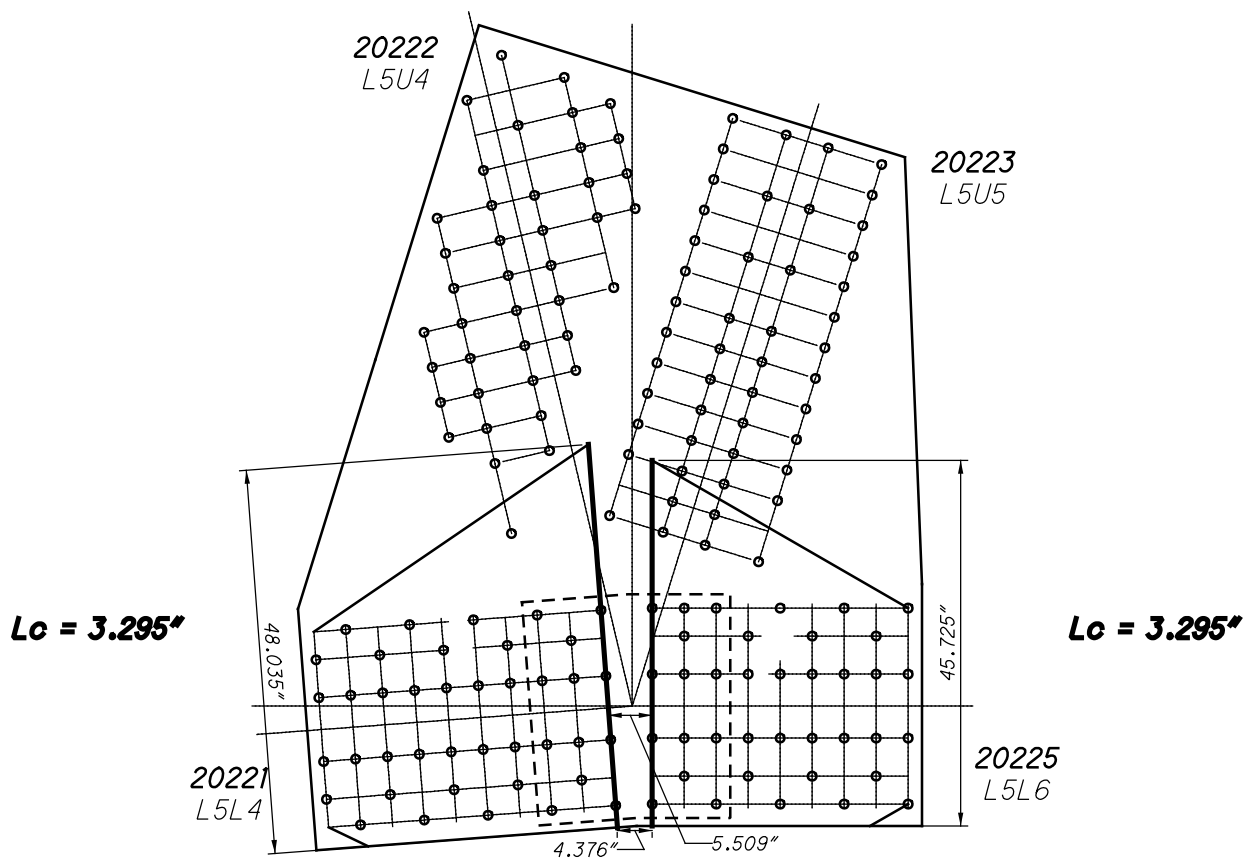


**L21 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**





**L22 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L22 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

33 RIVETS
x 2 PLATES
=66 RIVETS

20222
L5U4

12022 AND 42022

20223
L5U5

48 RIVETS
x 2 PLATES
=96 RIVETS

40 RIVETS
x 2 PLATES
=80 RIVETS

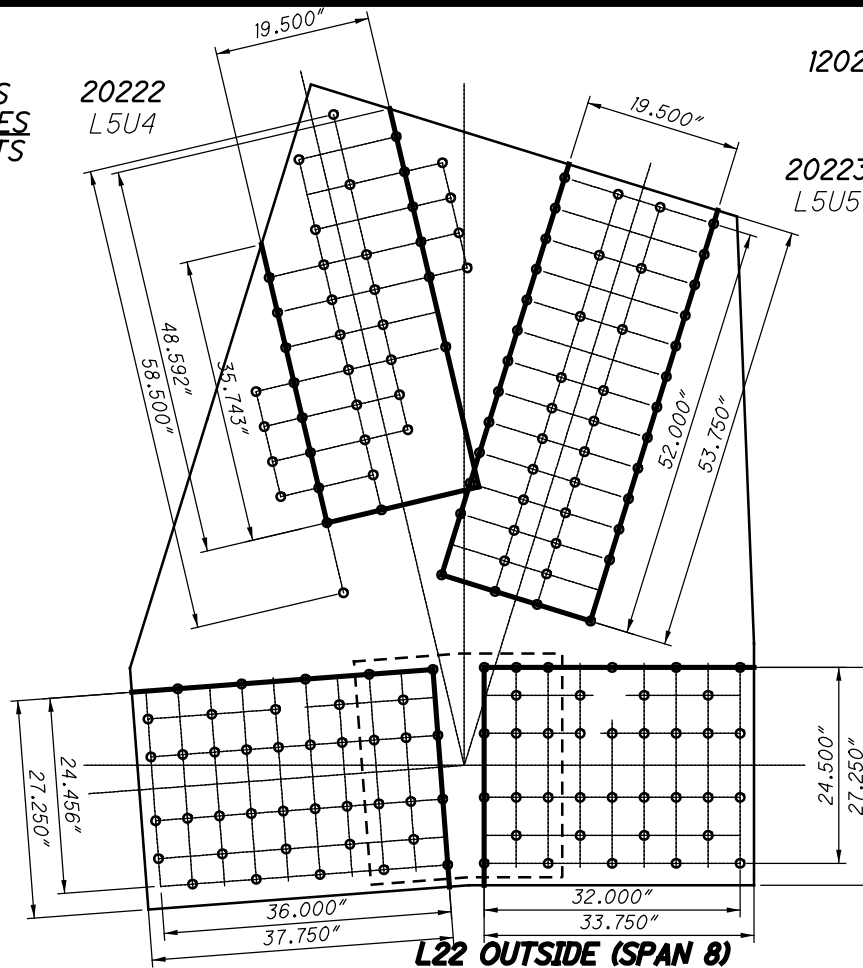
12 SPLICE P
x 2 PLATES
=24 RIVETS

20221
L5L4

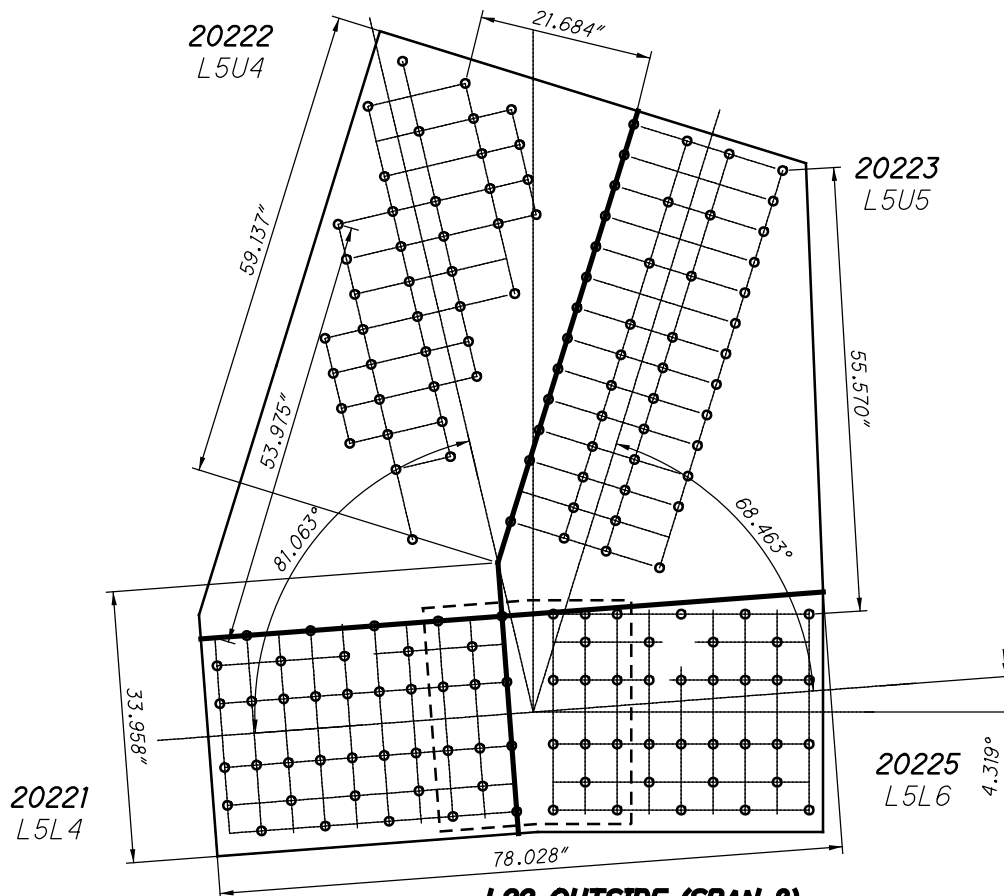
37 RIVETS
x 2 PLATES
74 RIVETS

13 SPLICE P
x 2 PLATES
=26 RIVETS

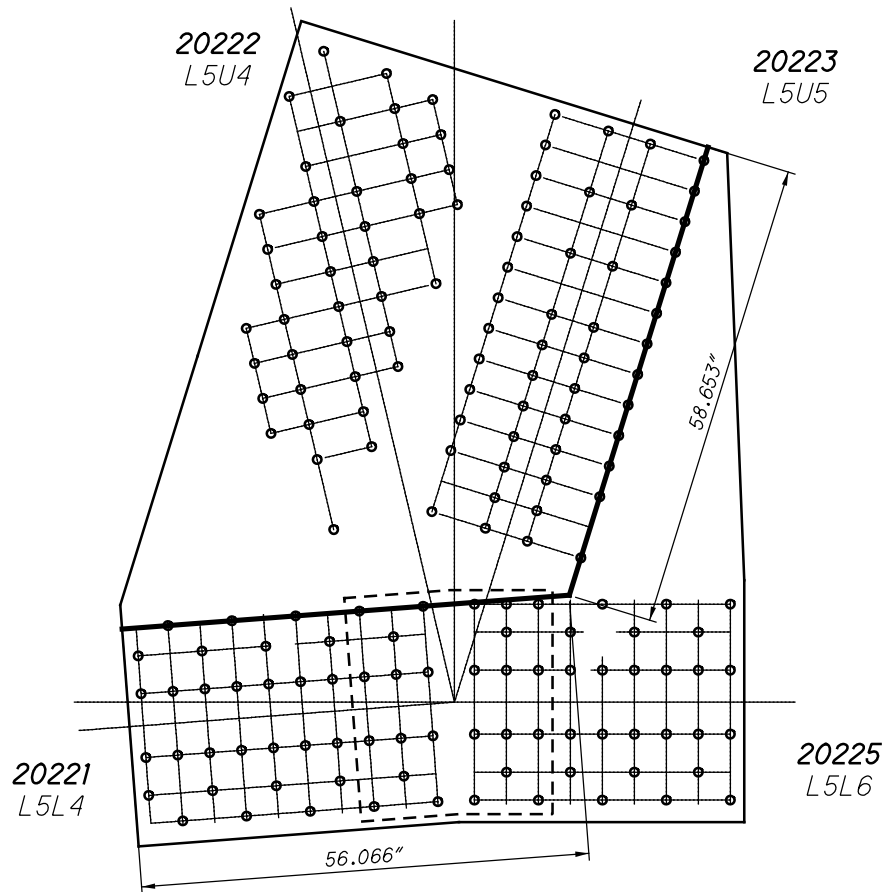
20225
L5L6



**L22 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L22 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



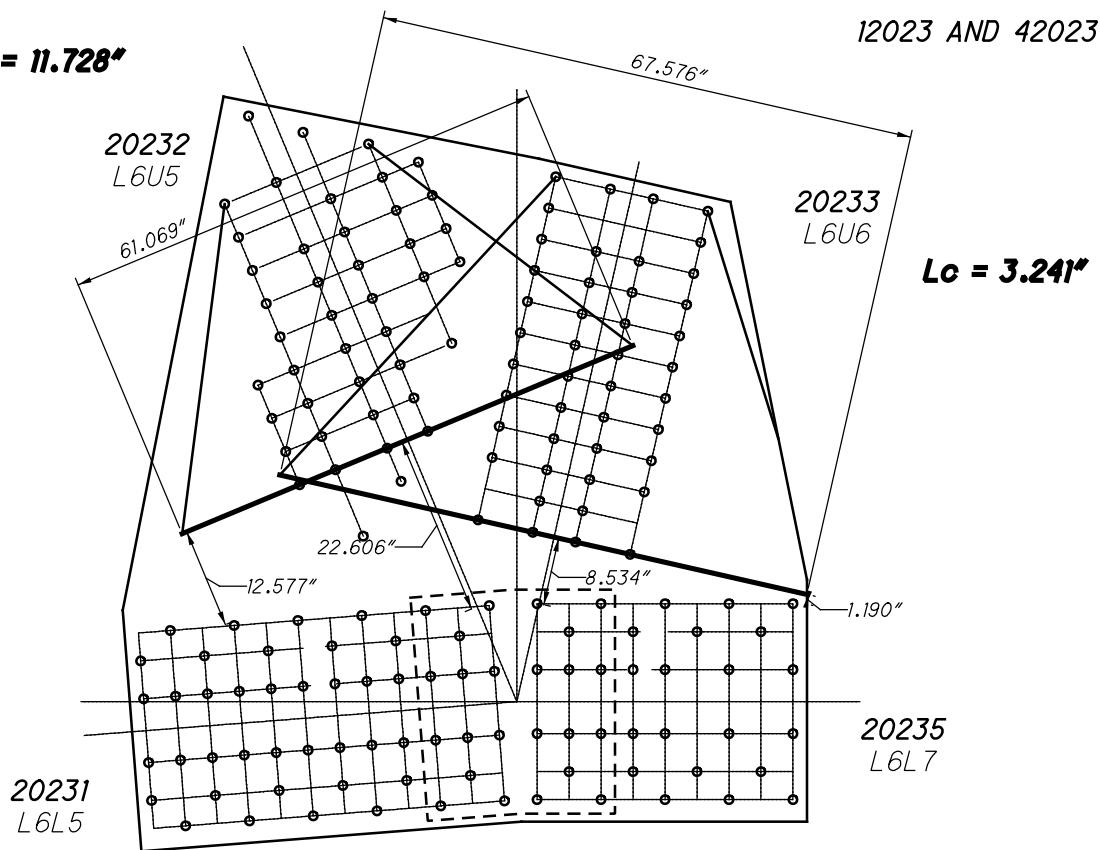
**L22 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**

**L23 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

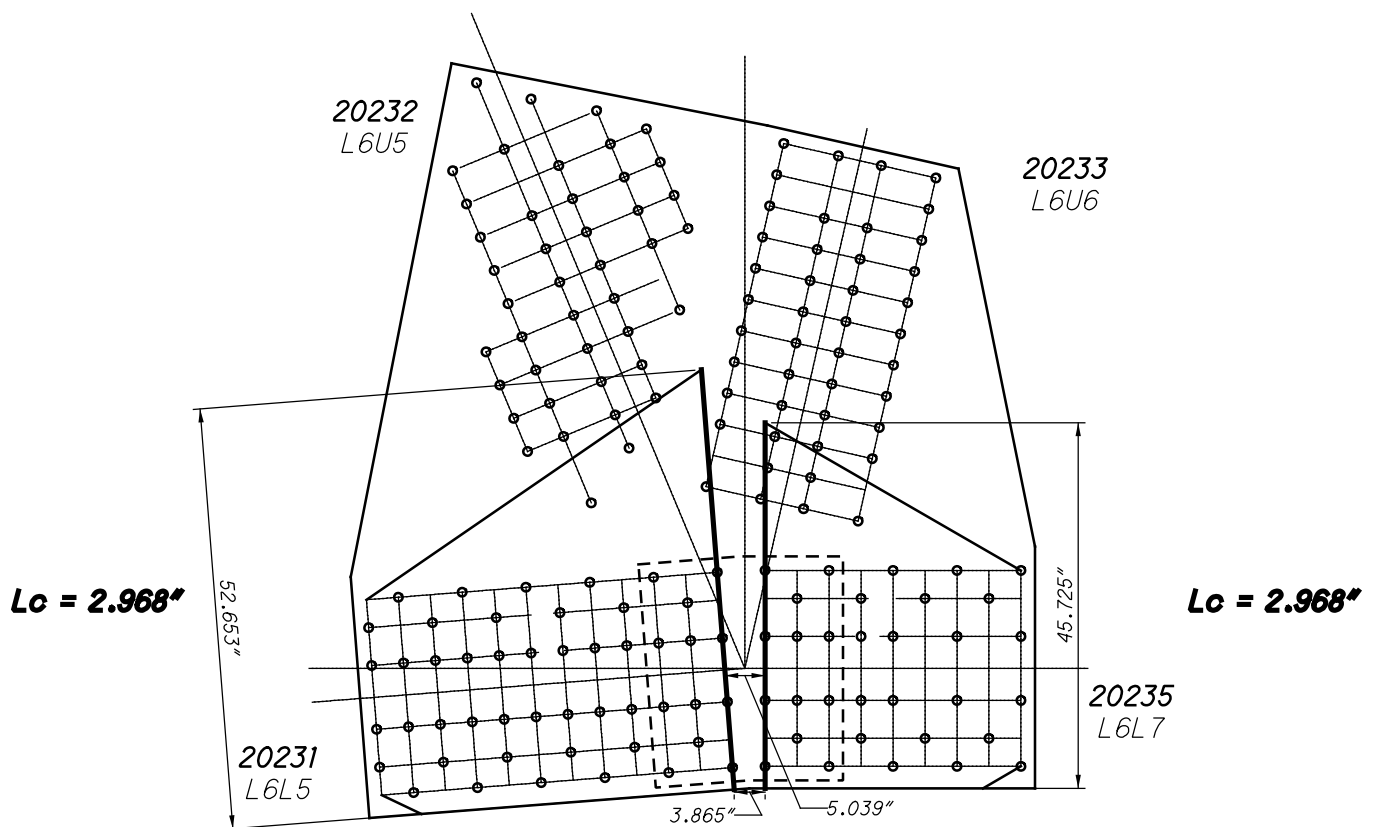
SPLICE PLATE
29" X 7/16" X 2'-2"

$L_c = 11.728''$

12023 AND 42023



**L23 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L23 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

35 RIVETS
x 2 PLATES
=70 RIVETS

20232
L6U5

44 RIVETS
x 2 PLATES
=88 RIVETS

12023 AND 42023

20233
L6U6

32 RIVETS
x 2 PLATES
=64 RIVETS

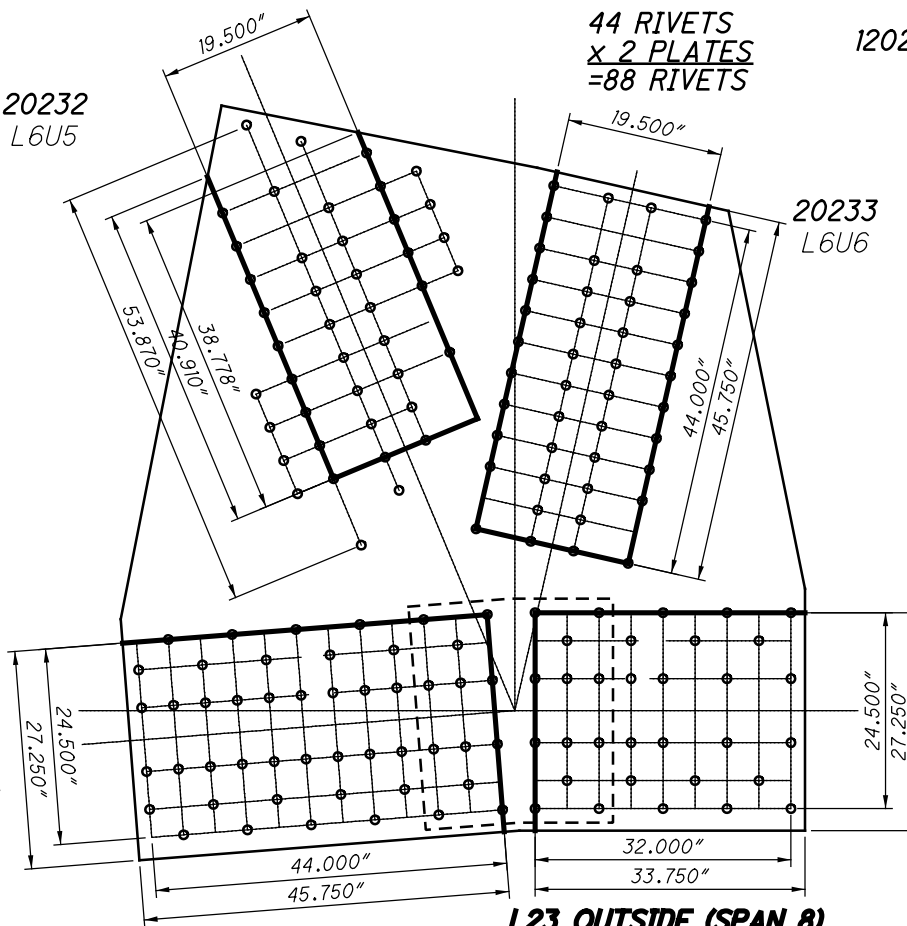
48 RIVETS
x 2 PLATES
=96 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

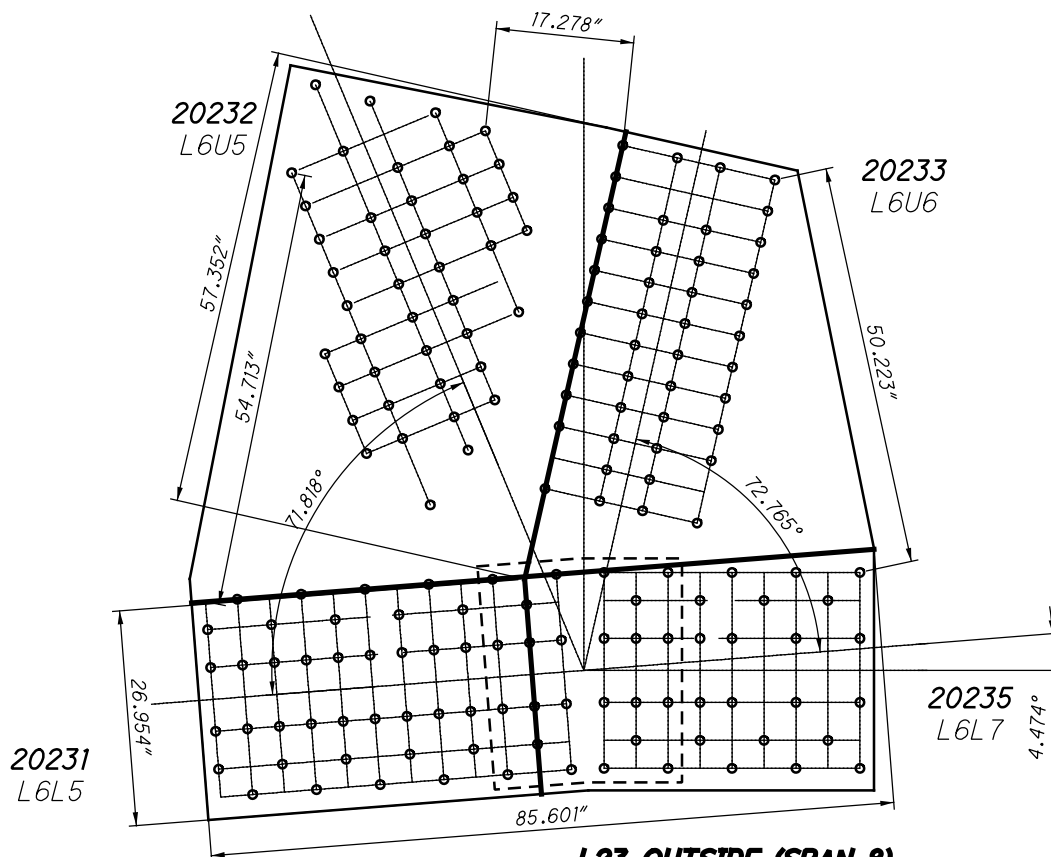
20231
L6L5

12 SPLICE P
x 2 PLATES
=24 RIVETS

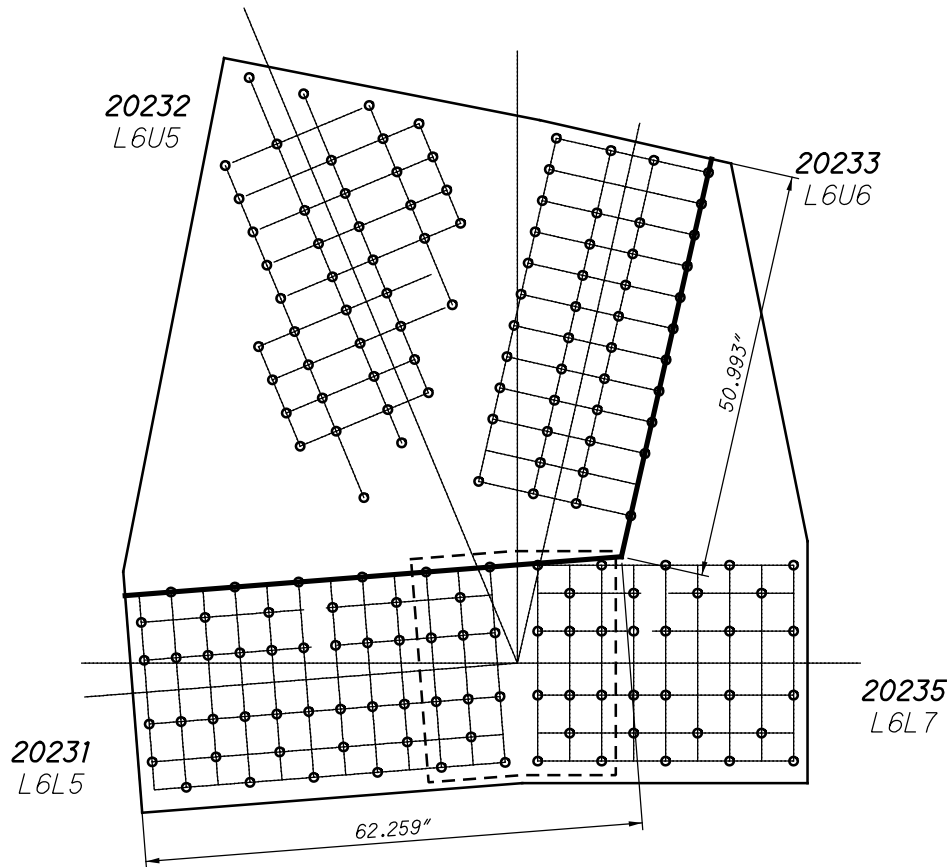
20235
L6L7



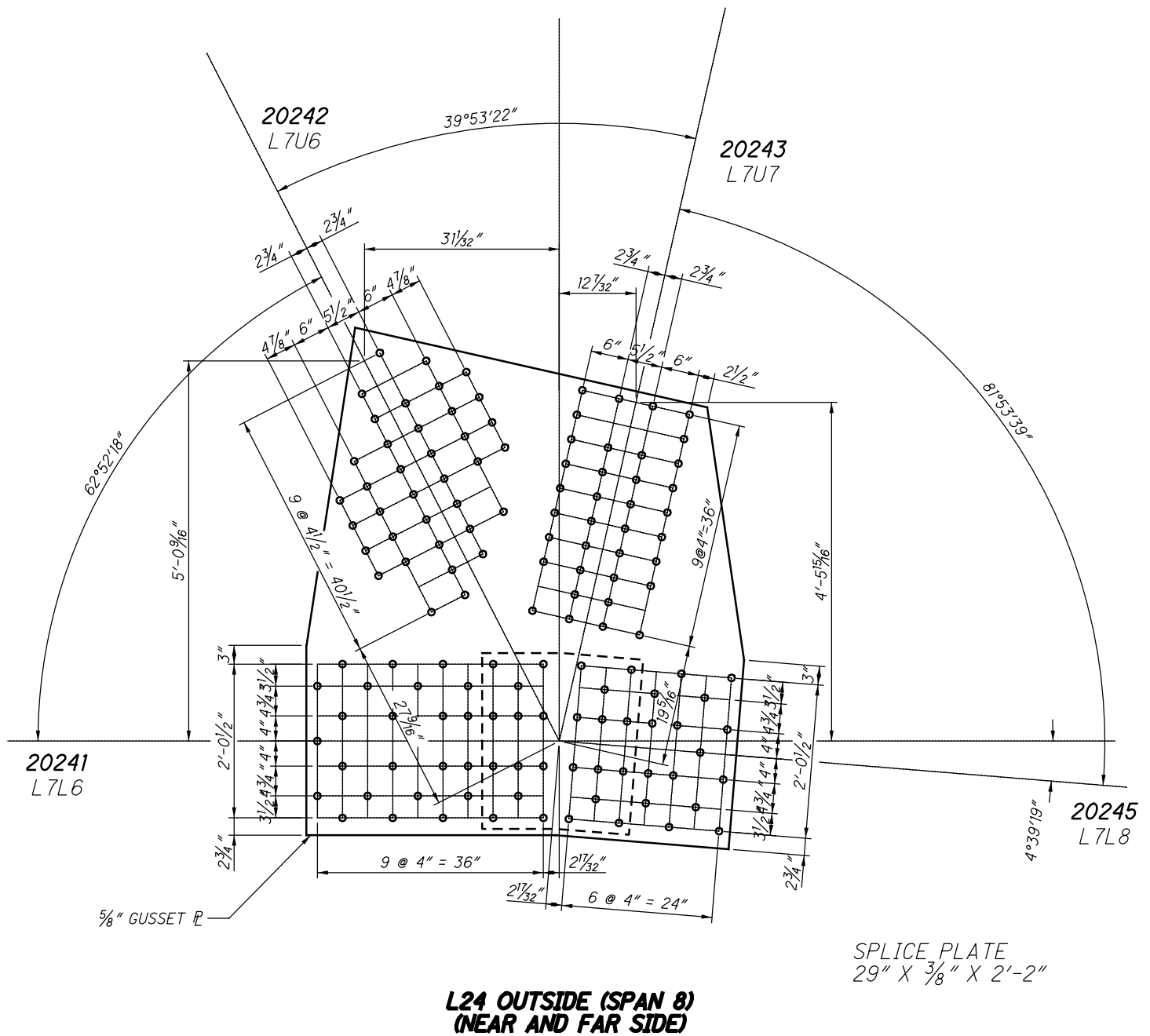
**L23 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L23 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

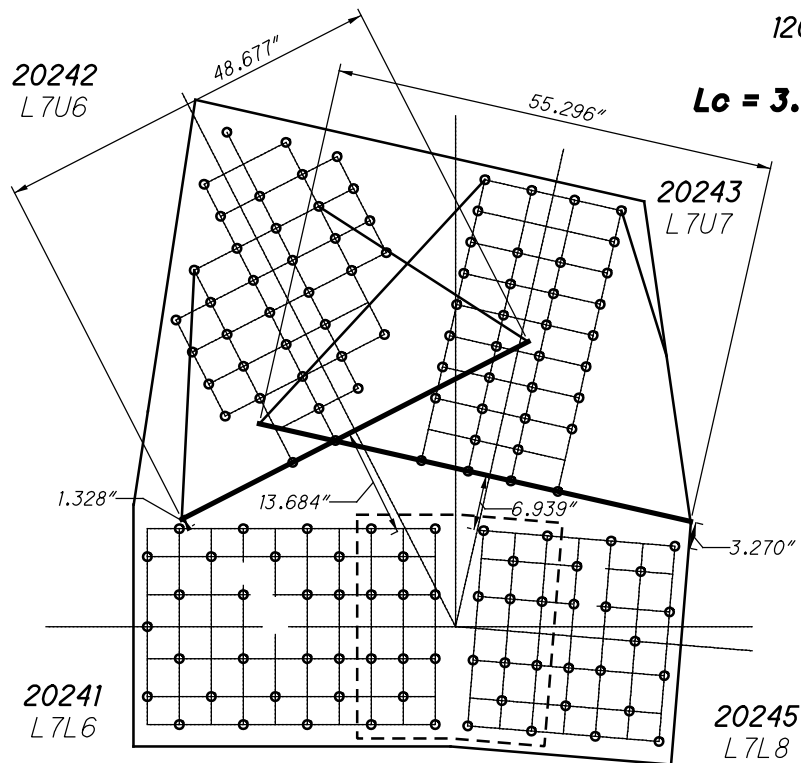


**L23 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



12024 AND 42024

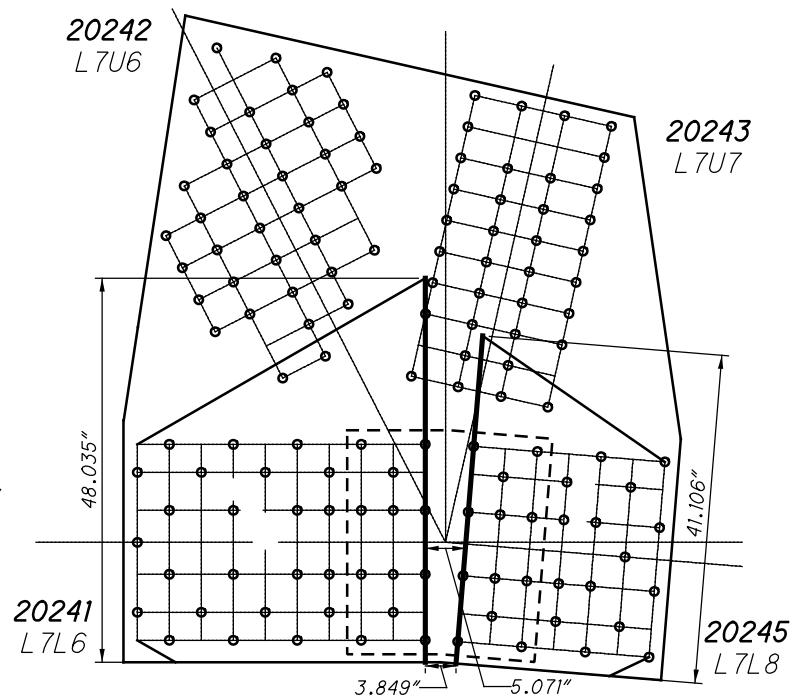
$L_c = 5.004''$



$L_c = 3.403''$

**L24 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

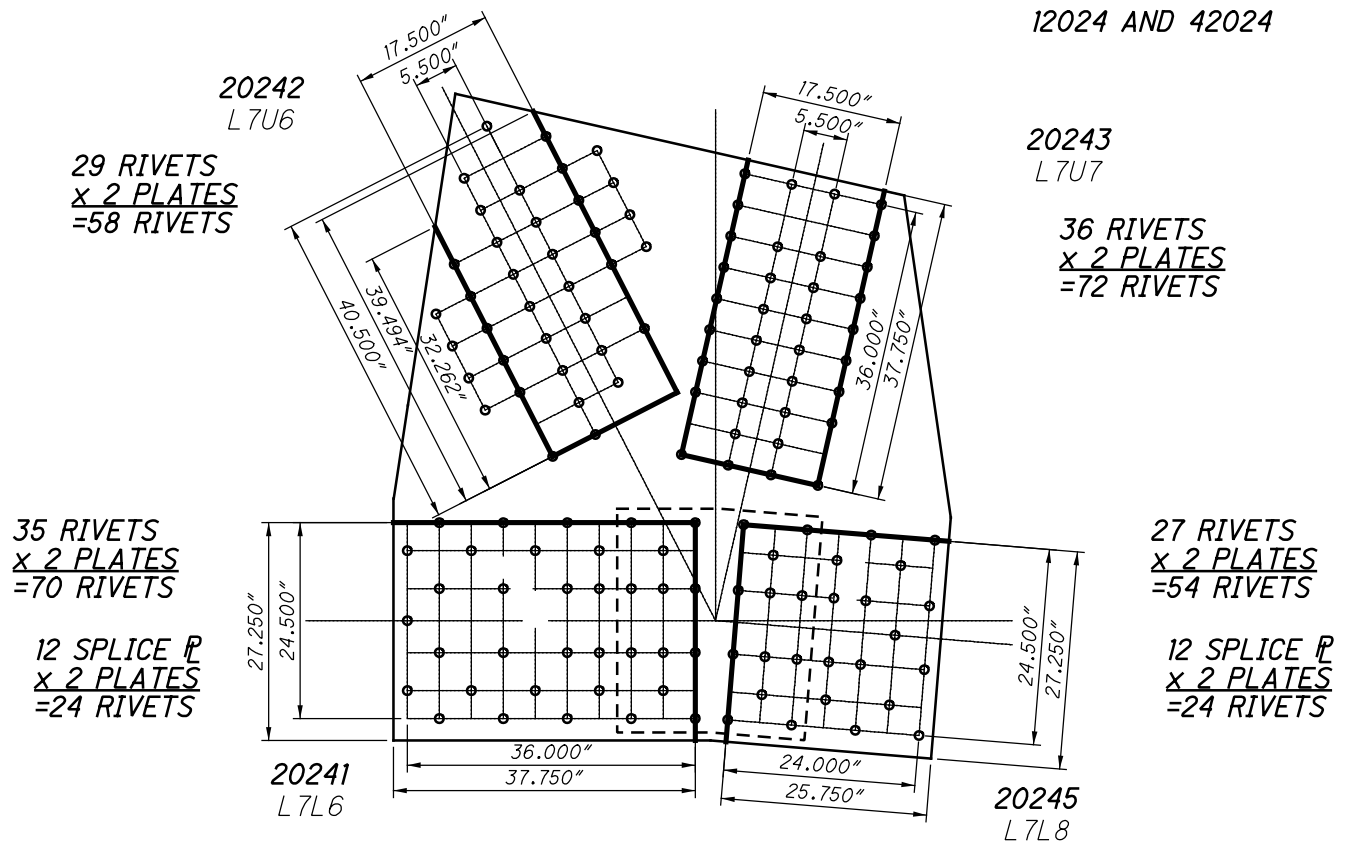
$L_c = 2.973''$



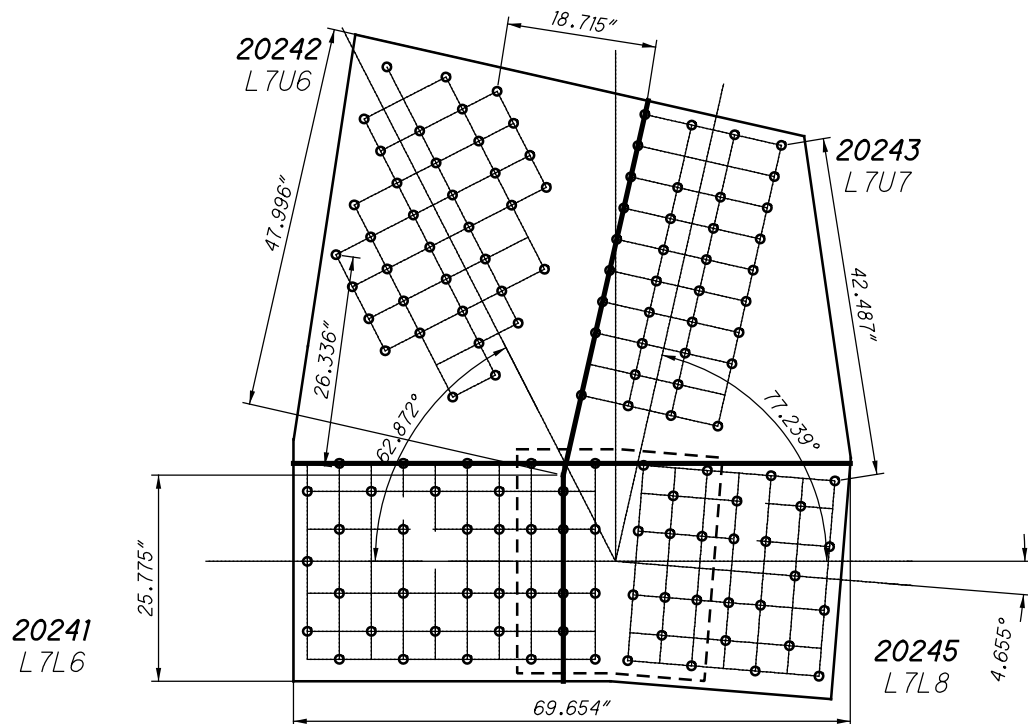
$L_c = 2.973''$

**L24 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

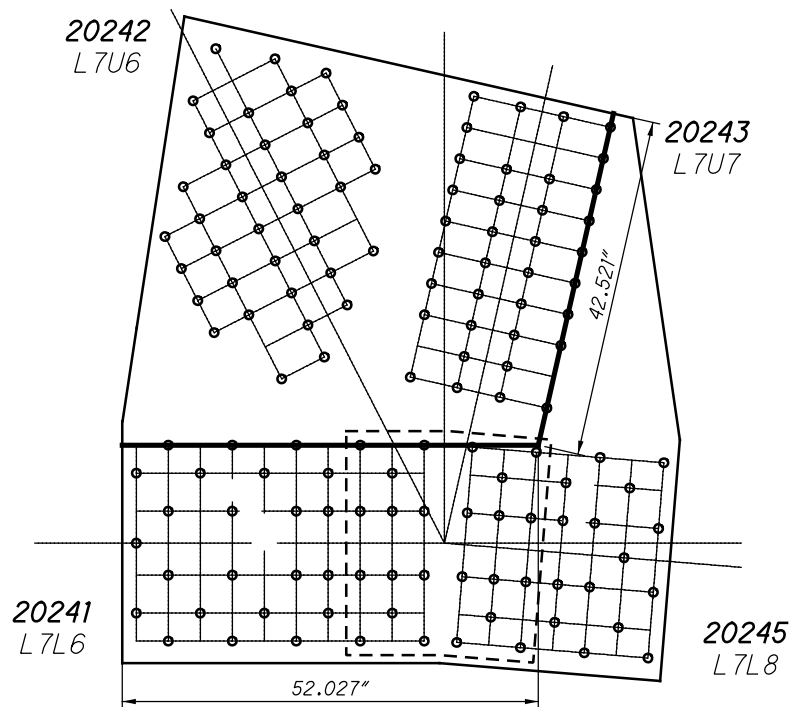
12024 AND 42024



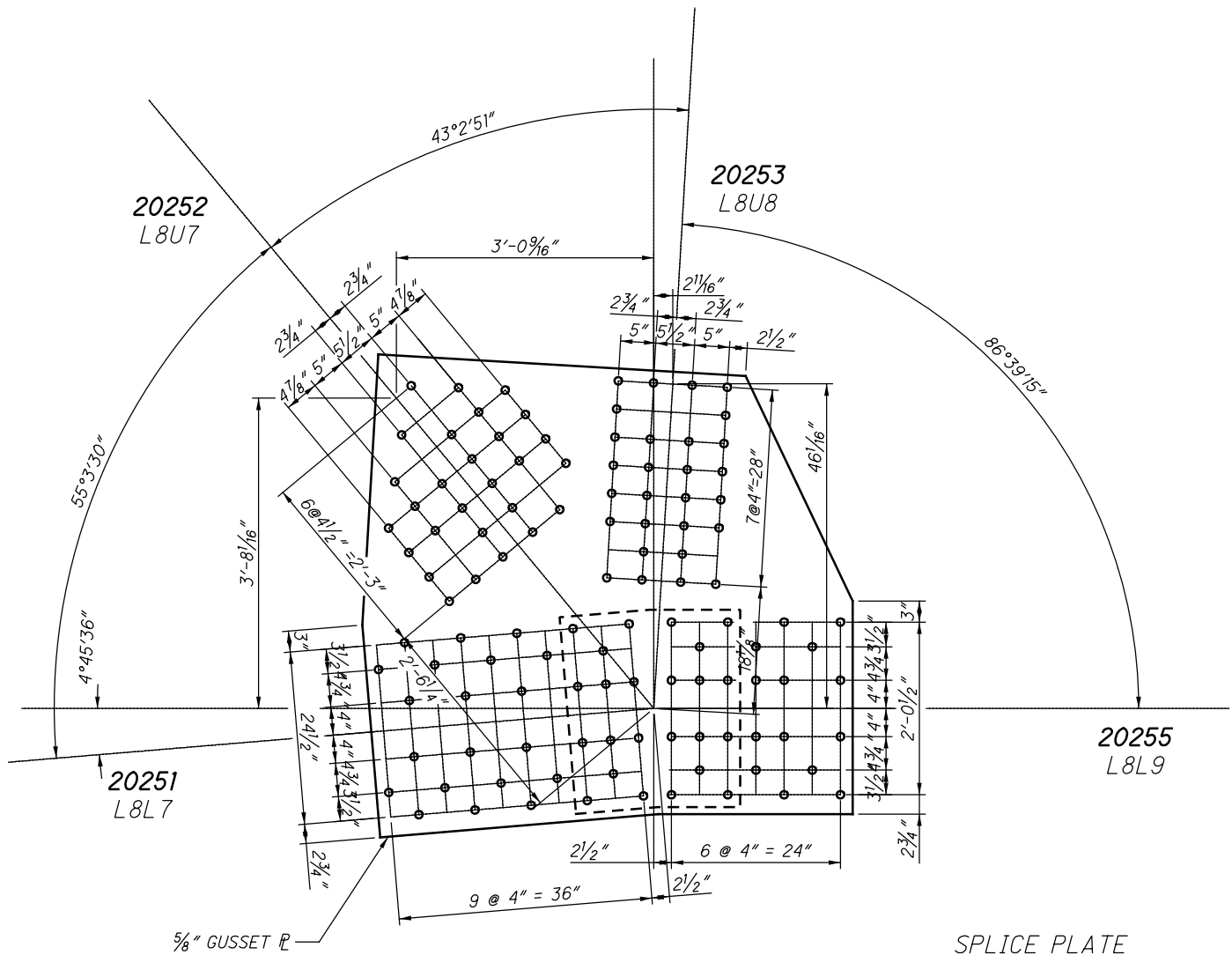
**L24 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L24 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

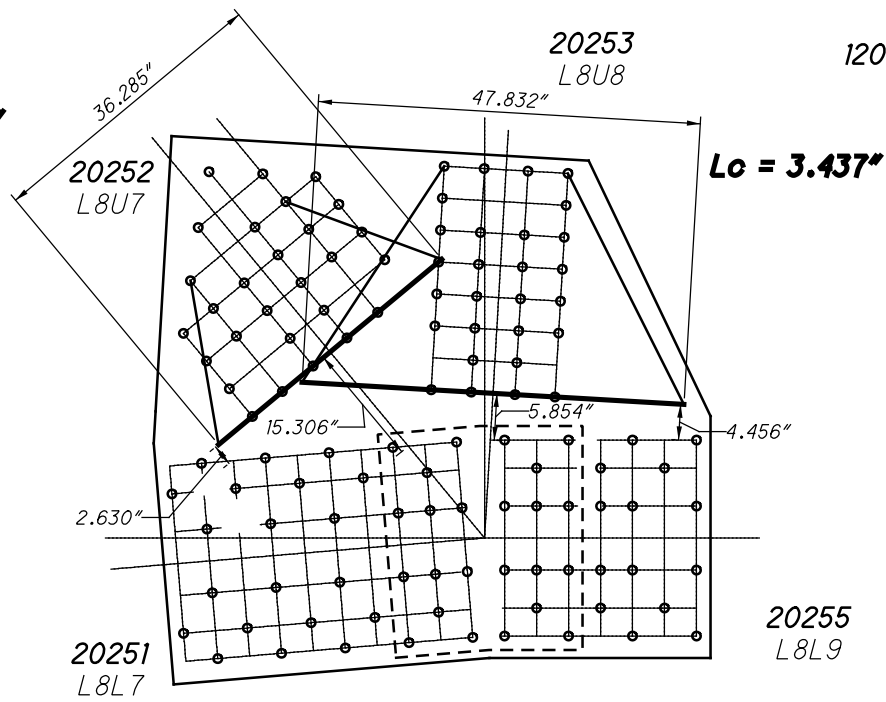


**L24 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



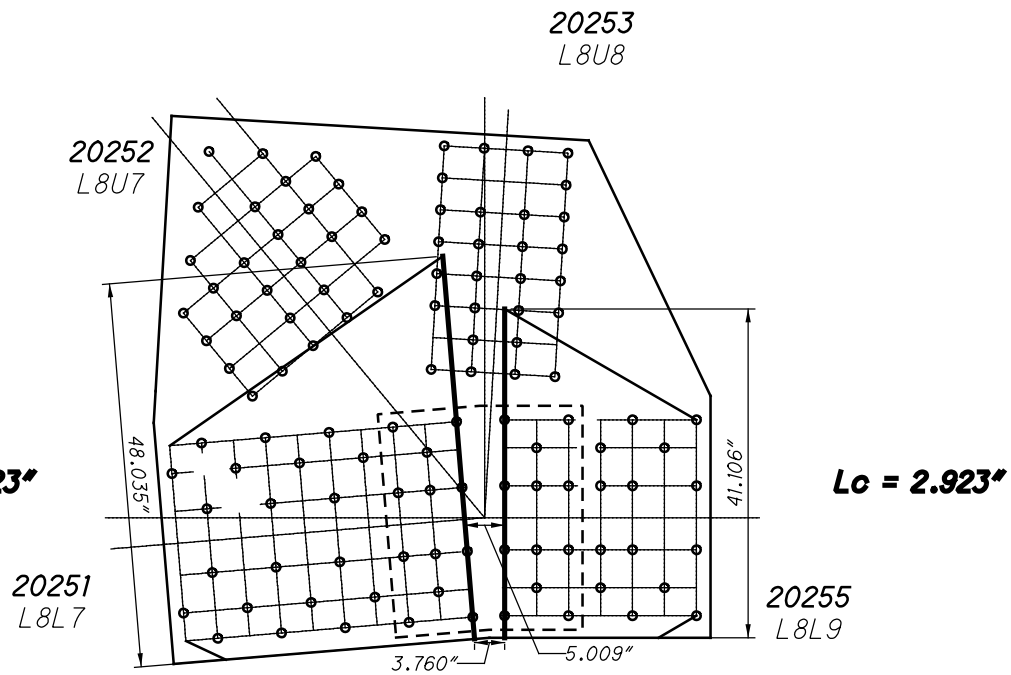
**L25 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

$L_c = 5.979''$



**L25 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 2.923''$



**L25 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20 RIVETS
x 2 PLATES
=40 RIVETS

12025 AND 42025

20252
L8U7

20253
L8U8

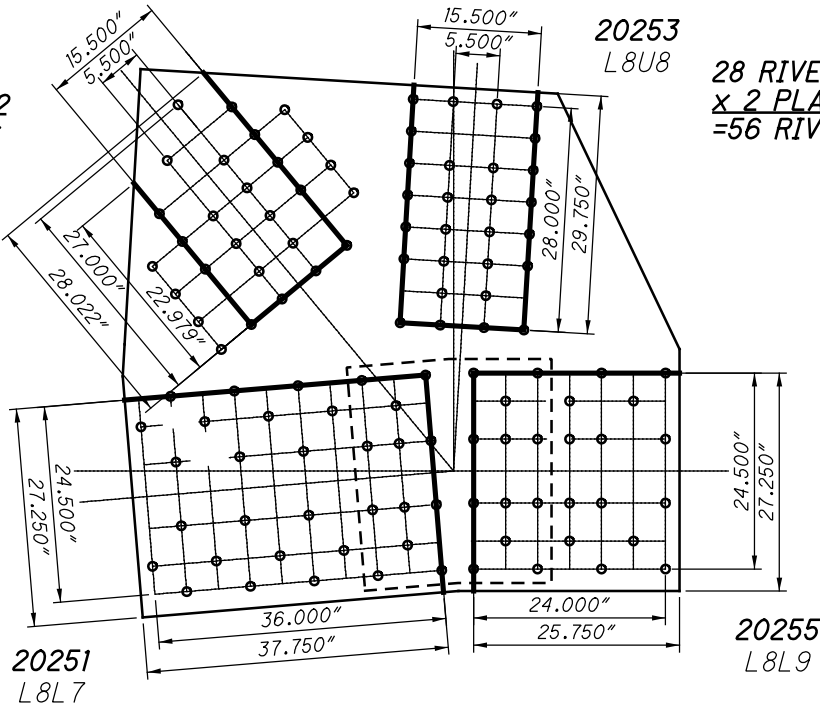
28 RIVETS
x 2 PLATES
=56 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

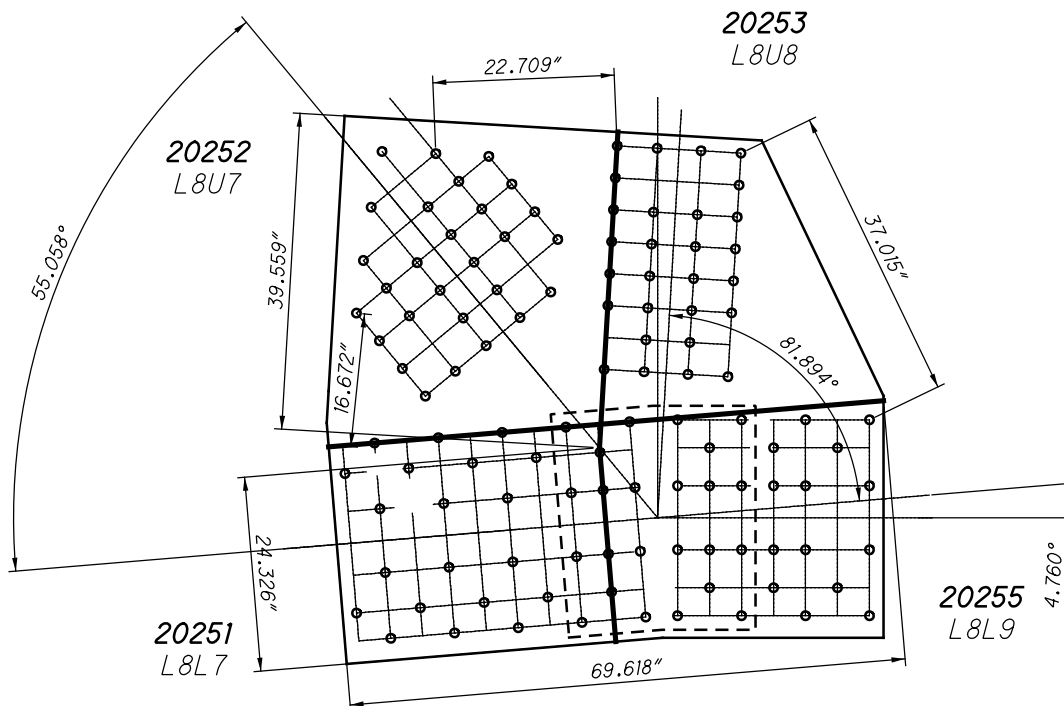
12 SPLICE P
x 2 PLATES
=24 RIVETS

26 RIVETS
x 2 PLATES
=52 RIVETS

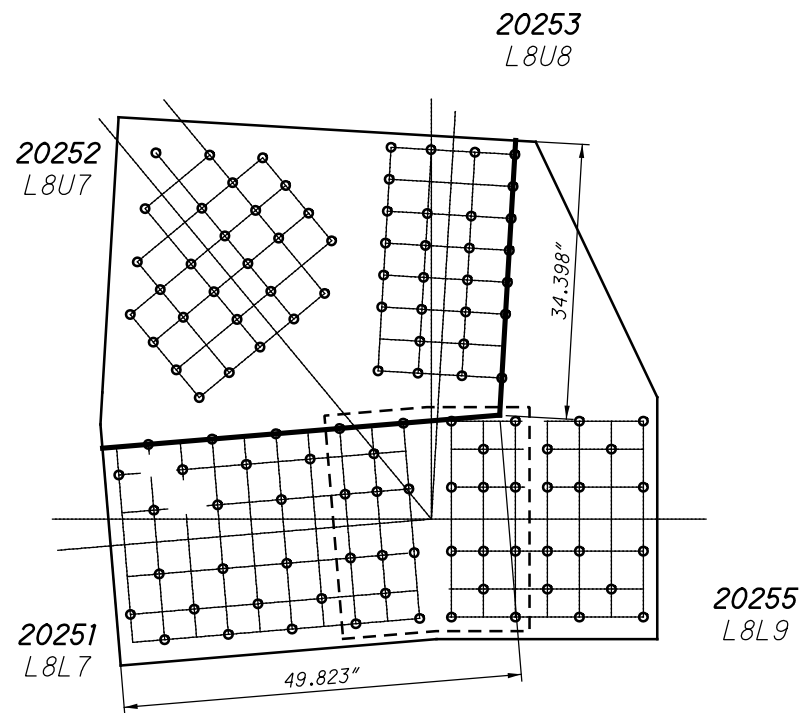
12 SPLICE P
x 2 PLATES
=24 RIVETS



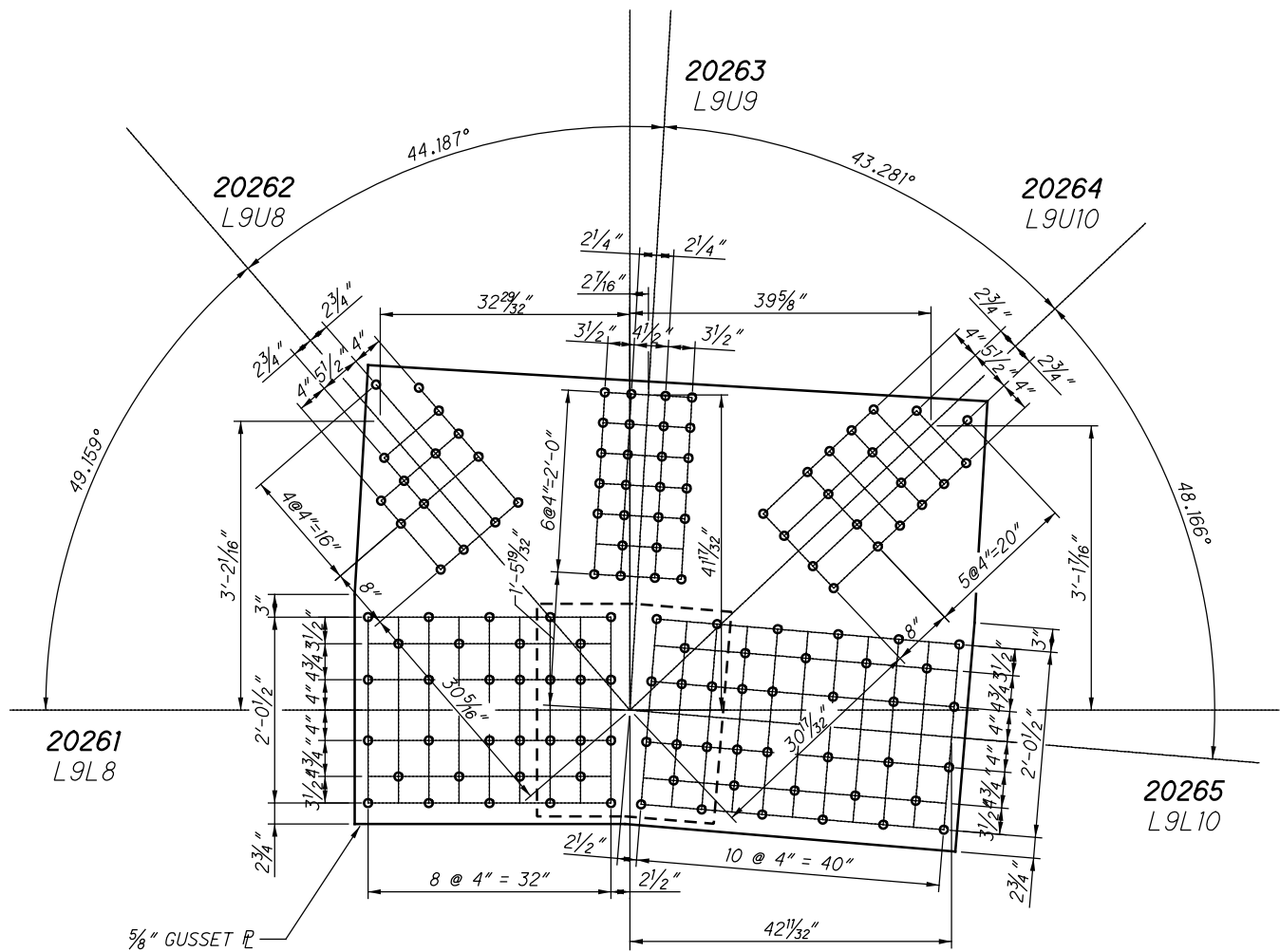
**L25 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L25 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

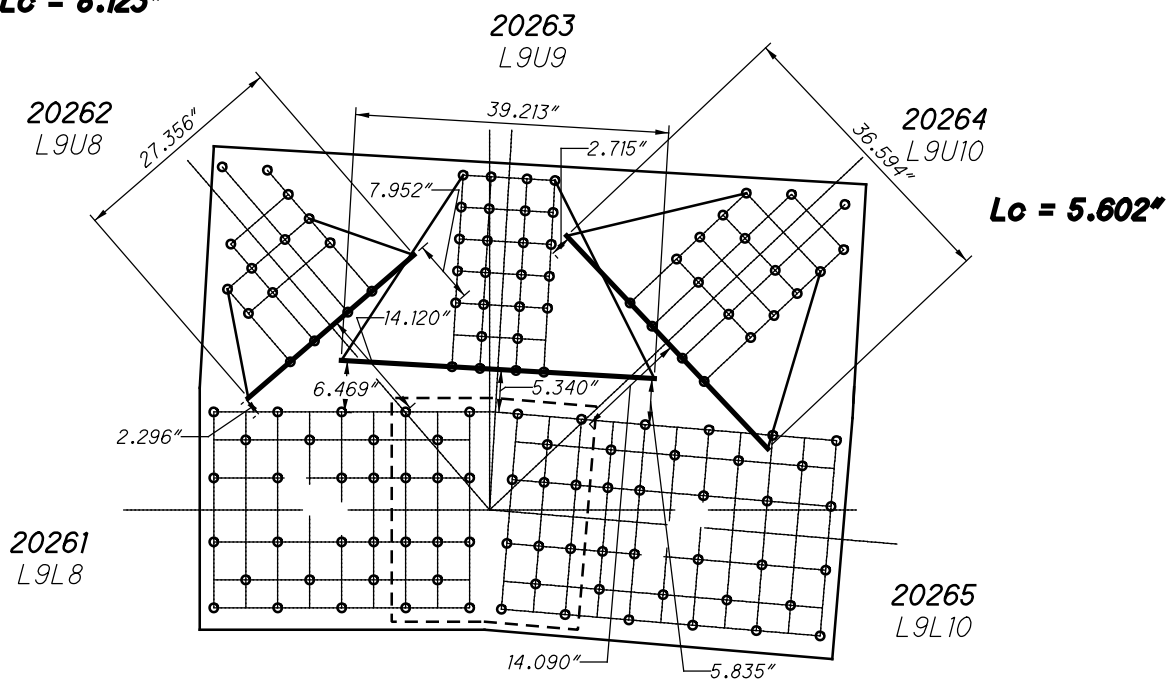


**L25 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**

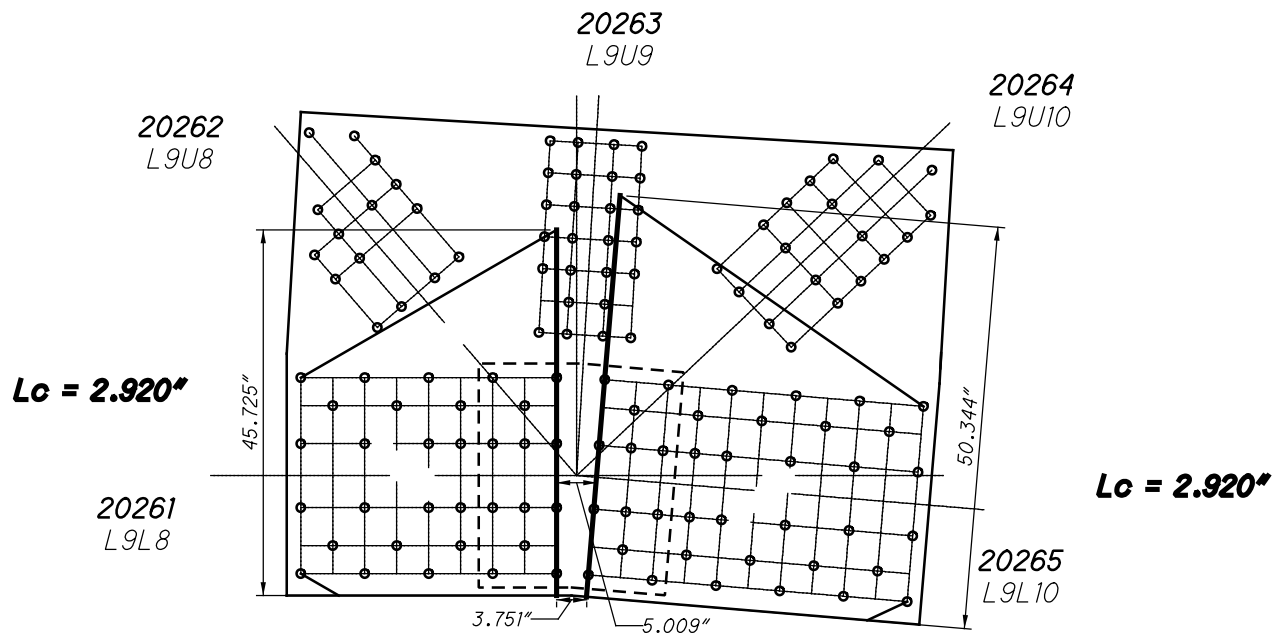


$L_c = 8.123''$

$L_c = 5.881''$



**L26 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L26 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

15 RIVETS
x 2 PLATES
=30 RIVETS

20263
L9U9

26 RIVETS
x 2 PLATES
=52 RIVETS

12026 AND 42026

19 RIVETS
x 2 PLATES
=38 RIVETS

20264
L9U10

20262
L9U8

32 RIVETS
x 2 PLATES
=64 RIVETS

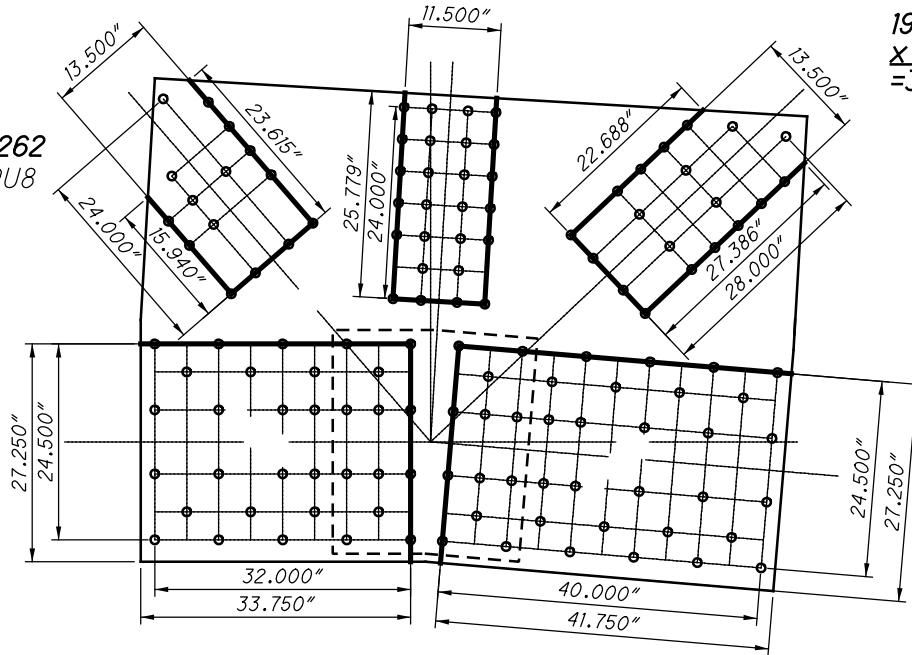
20261
L9L8

12 SPLICE P
x 2 PLATES
=24 RIVETS

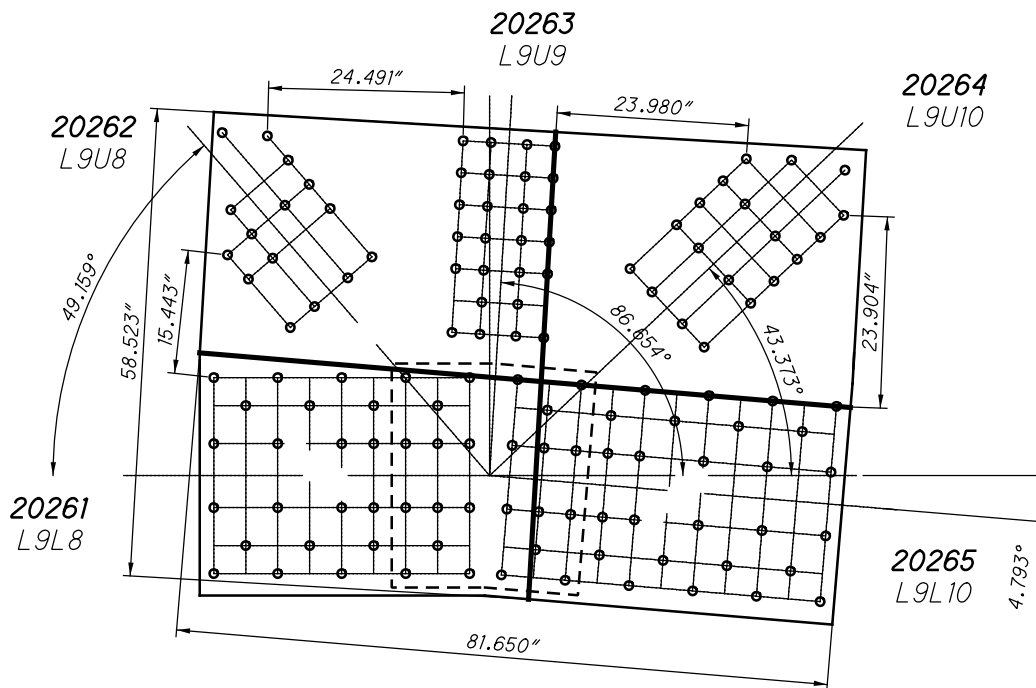
38 RIVETS
x 2 PLATES
=76 RIVETS

20265
L9L10

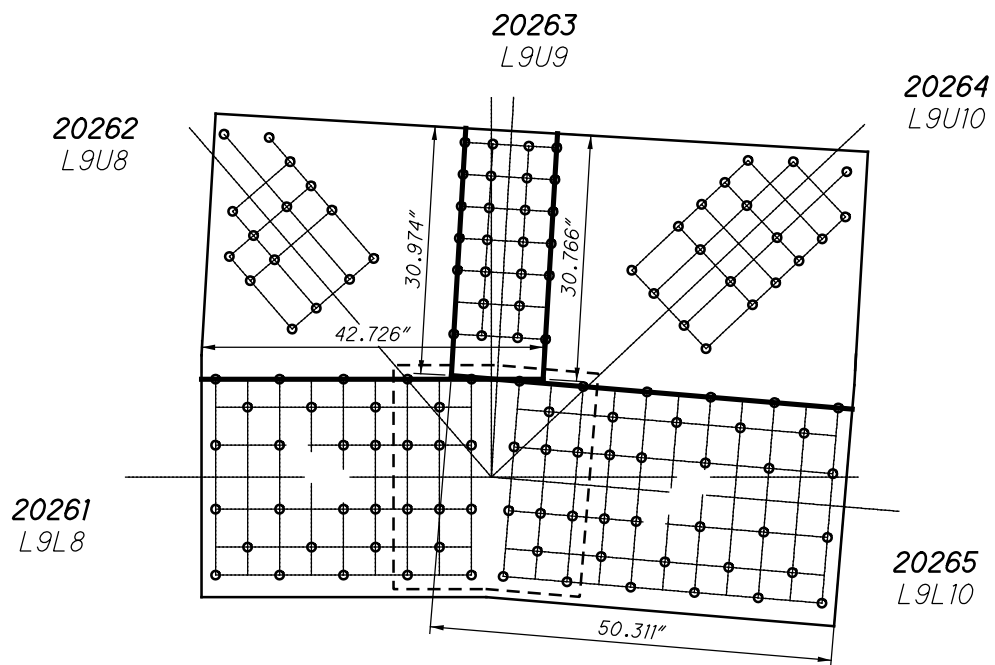
12 SPLICE P
x 2 PLATES
=24 RIVETS



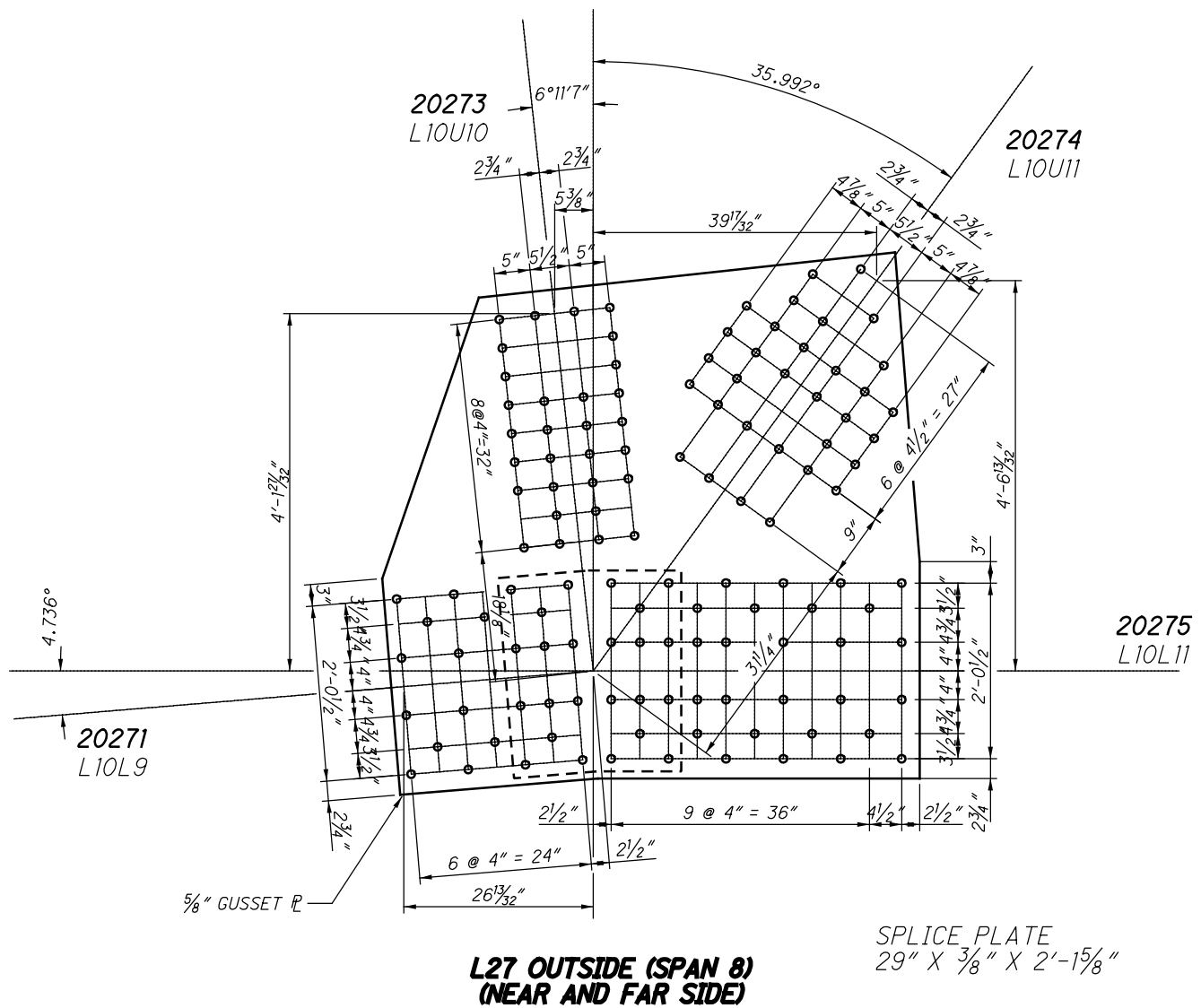
**L26 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



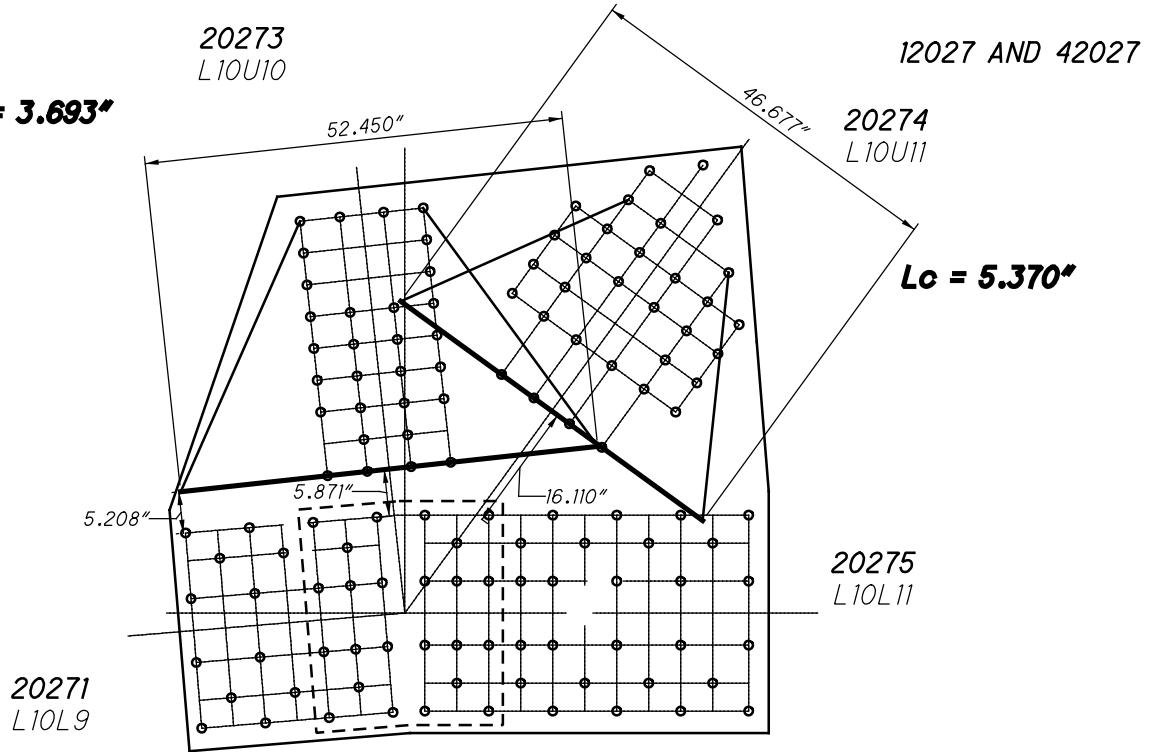
**L26 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



**L26 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**

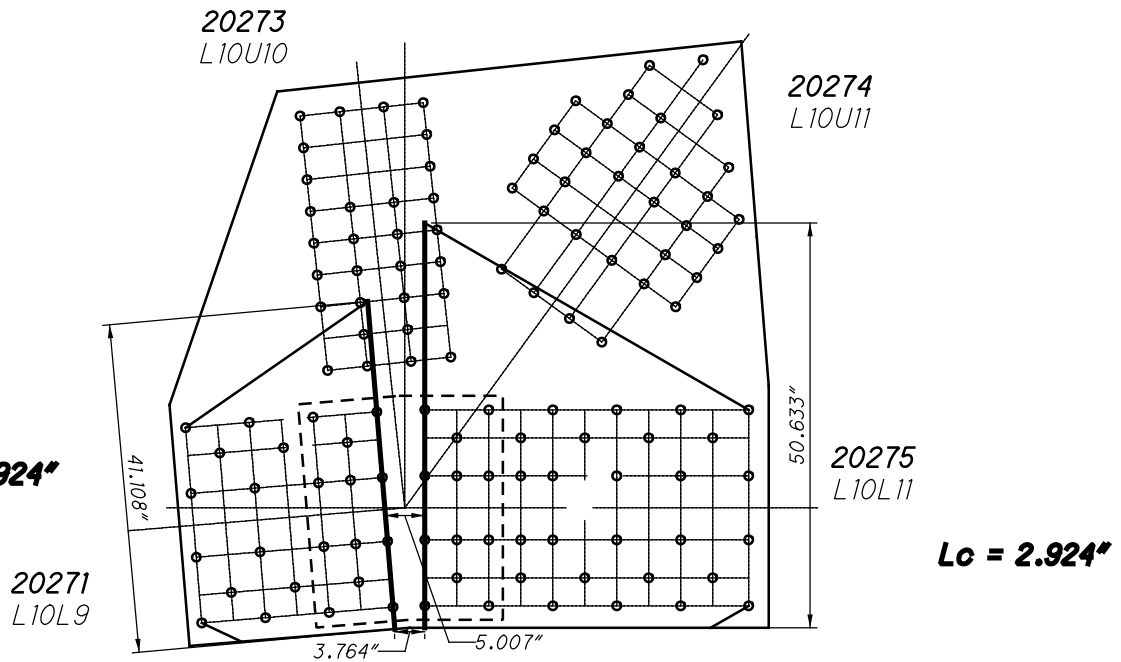


$L_c = 3.693''$



**L27 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 2.924''$



**L27 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

30 RIVETS
 x 2 PLATES
 =60 RIVETS

20273
 L10U10

12027 AND 42027

24 RIVETS
 x 2 PLATES
 =48 RIVETS

20274
 L10U11

38 RIVETS
 x 2 PLATES
 =76 RIVETS

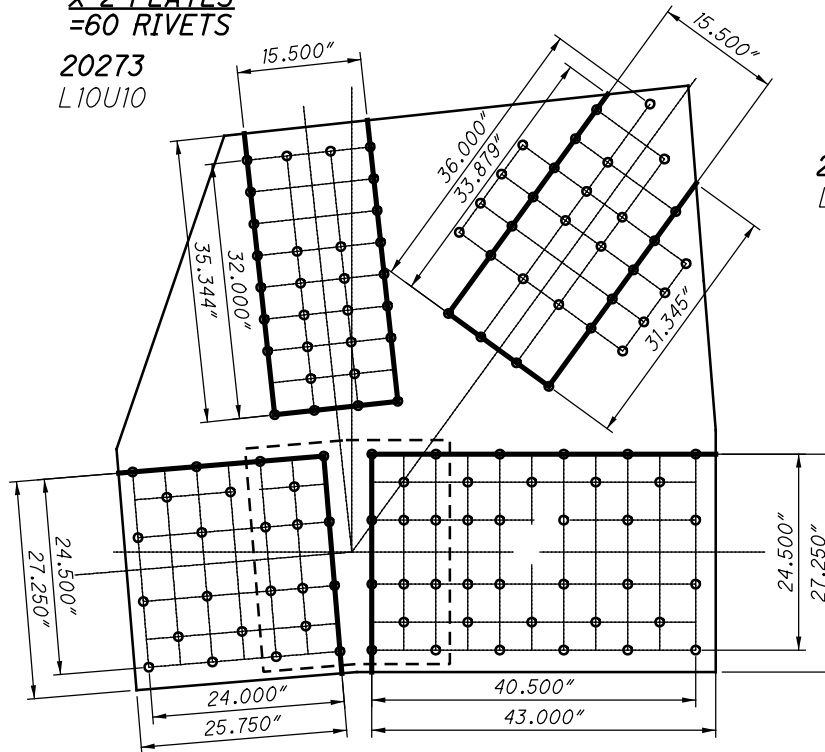
20275
 L10L11

12 SPLICE P
 x 2 PLATES
 =24 RIVETS

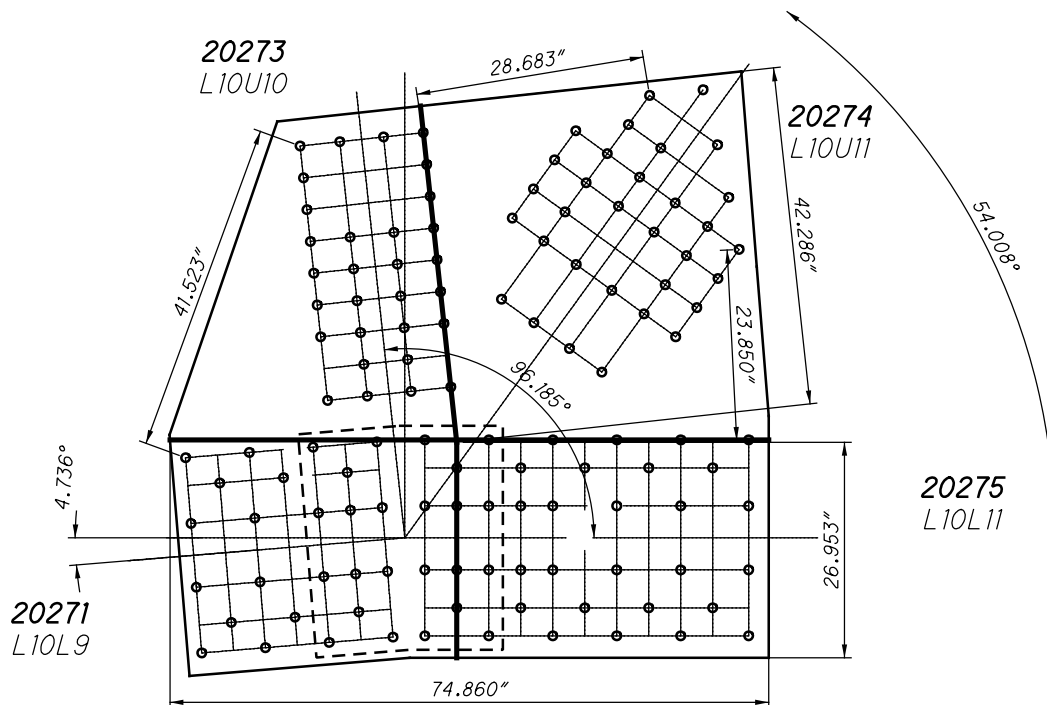
24 RIVETS
 x 2 PLATES
 =48 RIVETS

12 SPLICE P
 x 2 PLATES
 =24 RIVETS

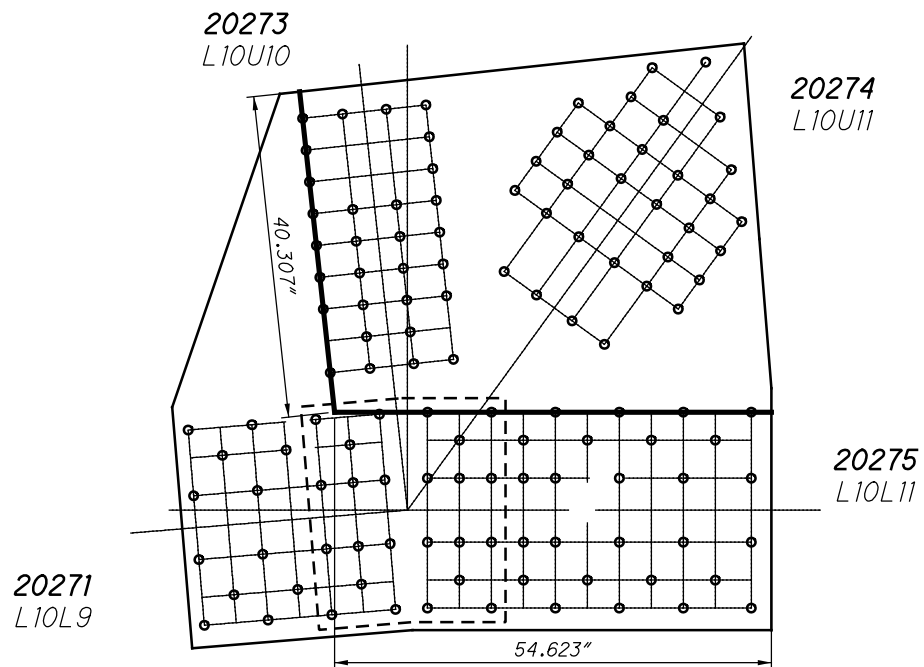
20271
 L10L9



**L27 OUTSIDE (SPAN 8)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**



**L27 OUTSIDE (SPAN 8)
 SHEAR AND FREE EDGE CHECK**



**L27 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**

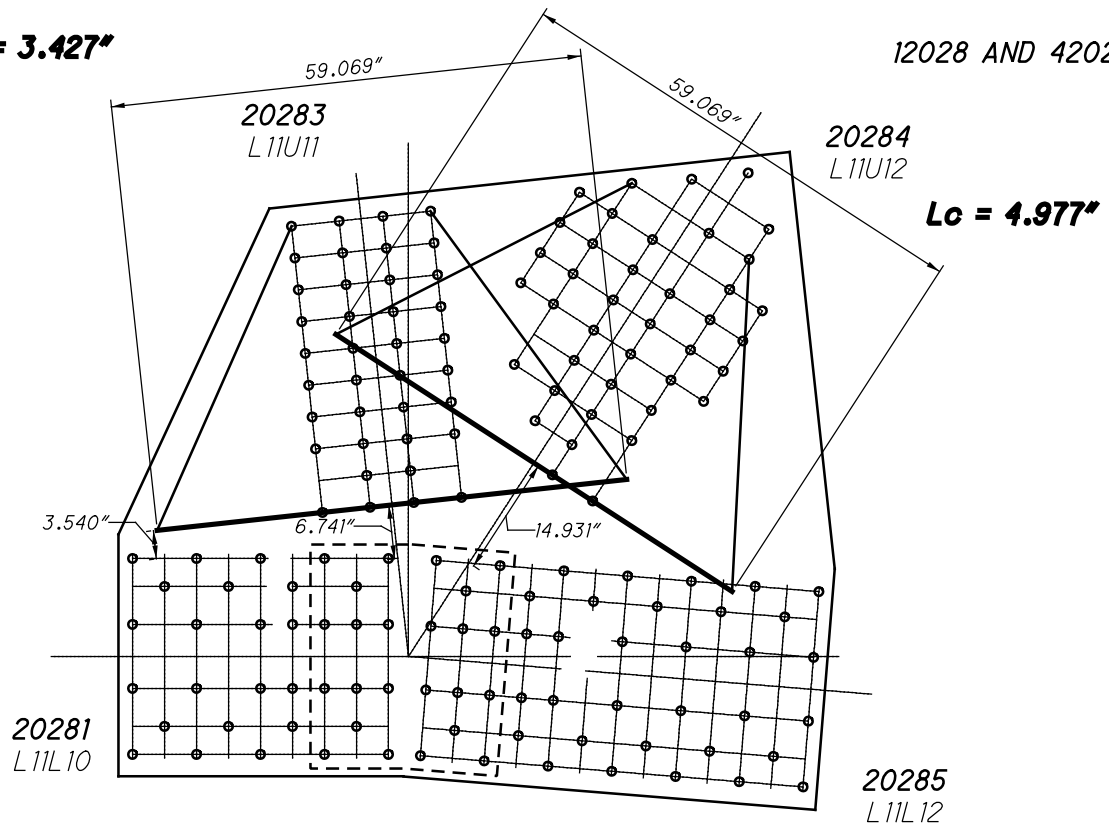
$$\underline{9 @ 4" = 36"}$$

4°39'30"

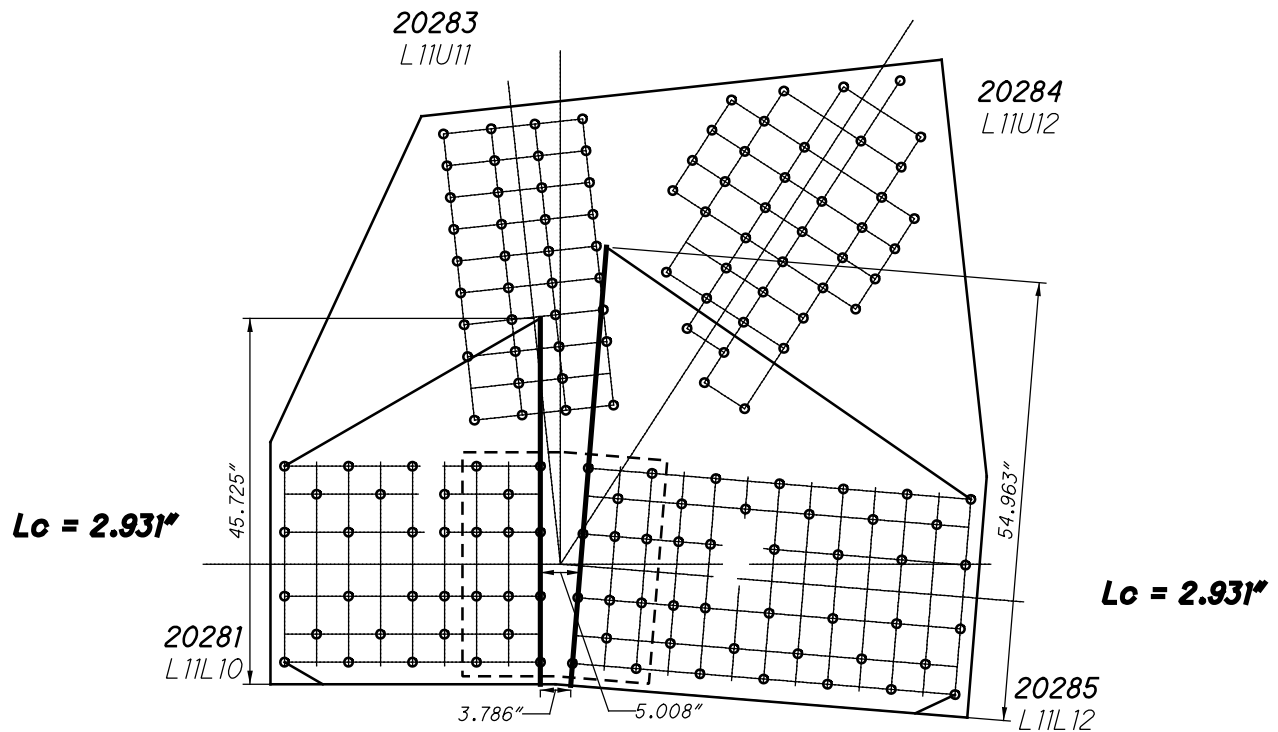
SPLICE PLATE
28" X 3/8" X 2'-15/8"

$L_c = 3.427''$

12028 AND 42028



**L28 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L28 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

38 RIVETS
x 2 PLATES
=76 RIVETS

20283
L11U11

12028 AND 42028

20284
L11U12

32 RIVETS
x 2 PLATES
=64 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

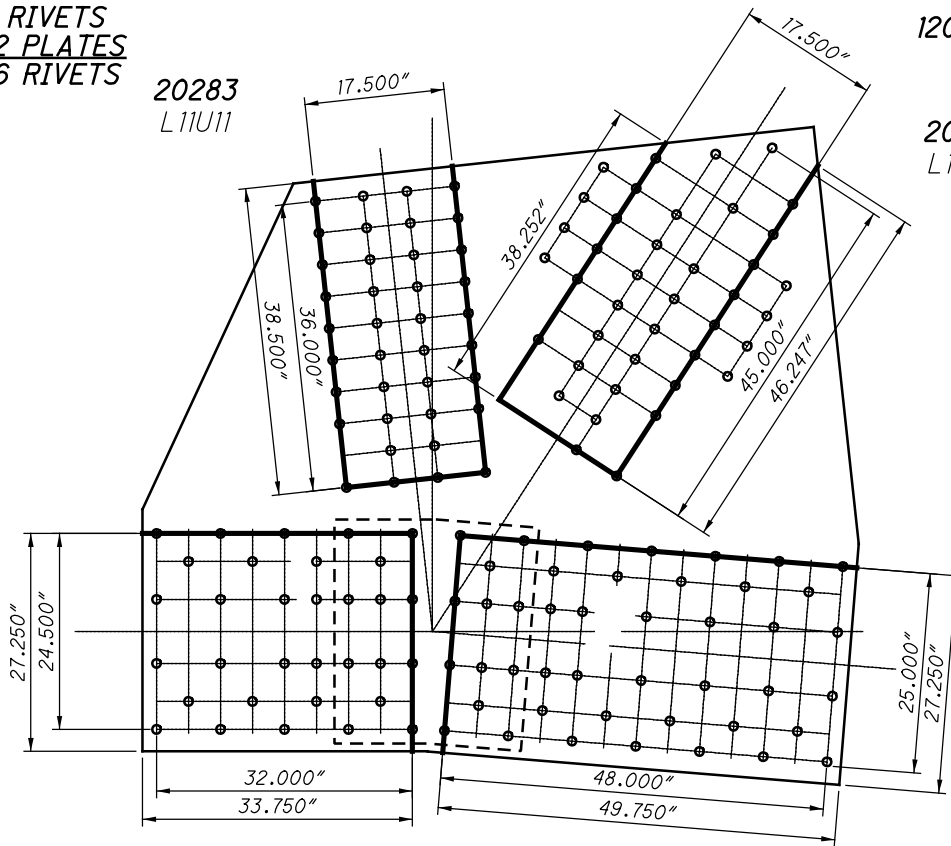
12 SPLICE P
x 2 PLATES
=24 RIVETS

20281
L11L10

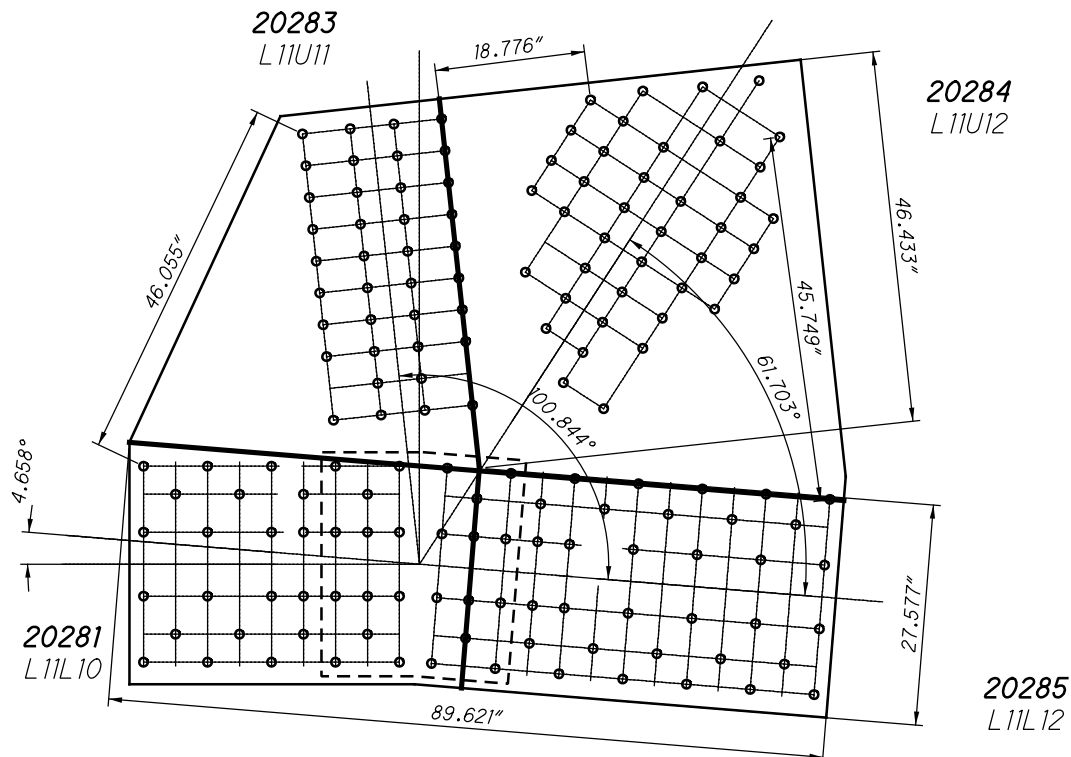
44 RIVETS
x 2 PLATES
=88 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

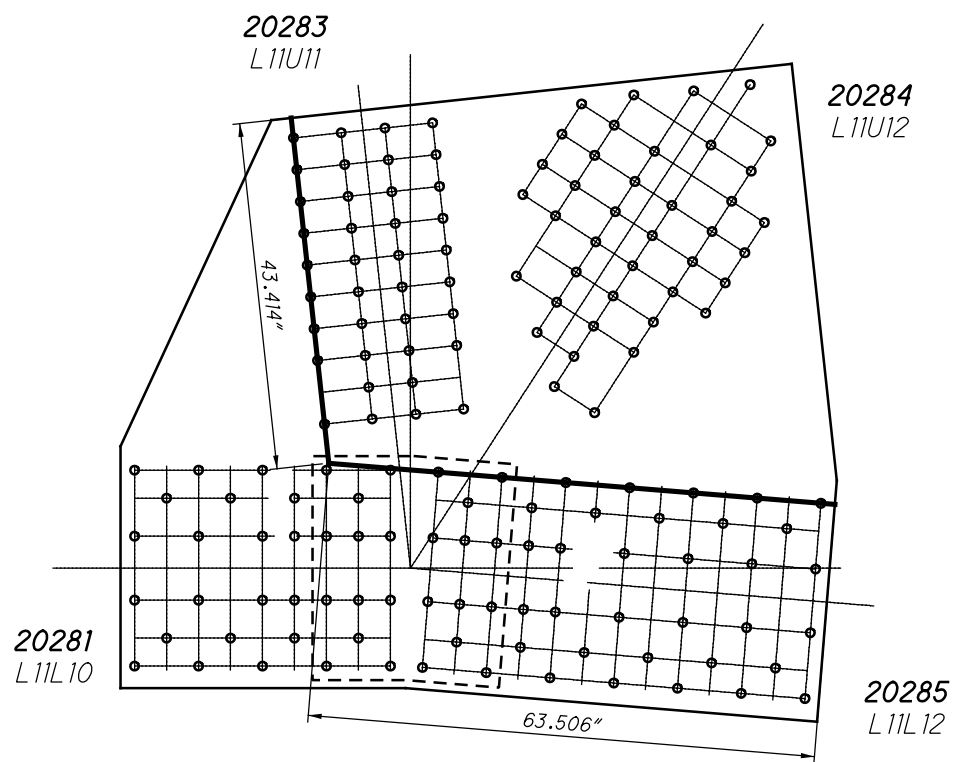
20285
L11L12



**L28 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

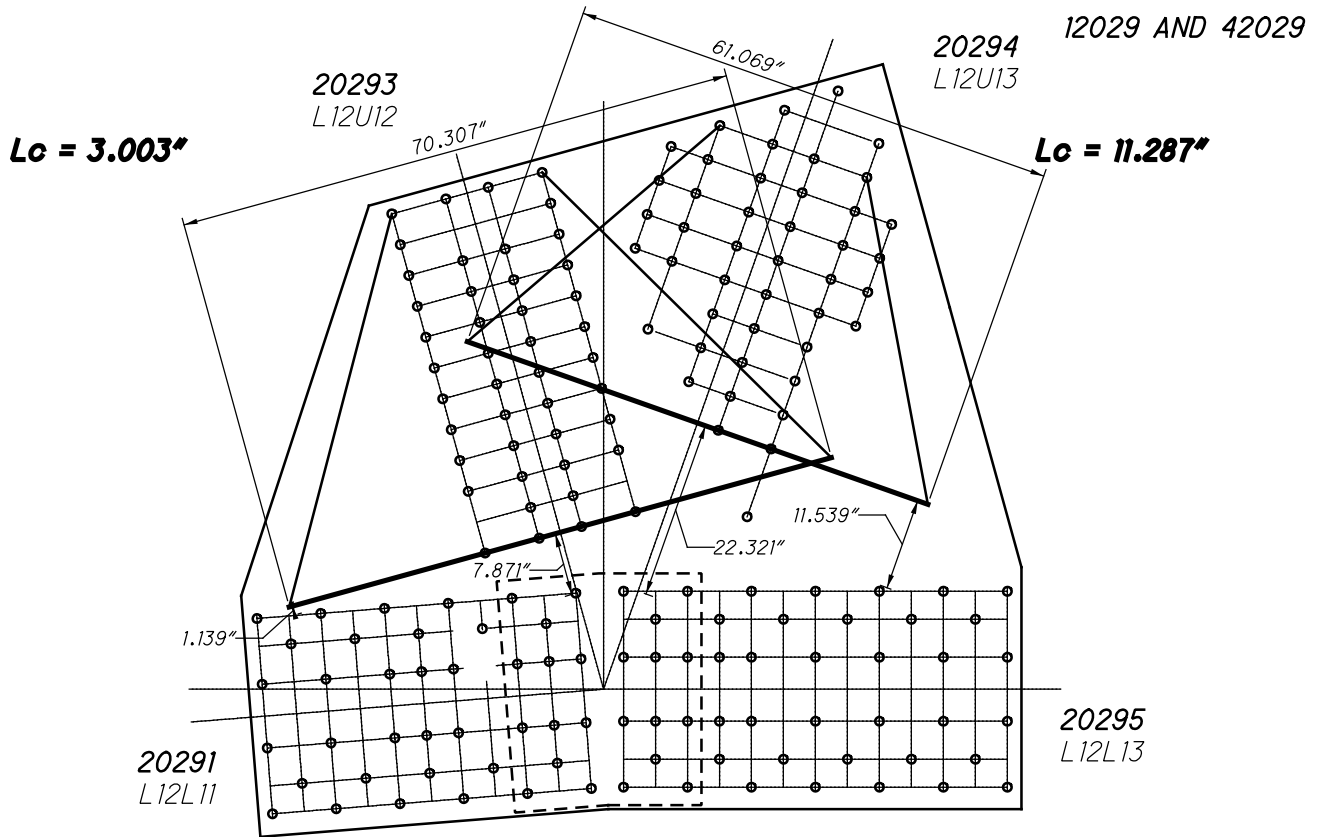


**L28 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

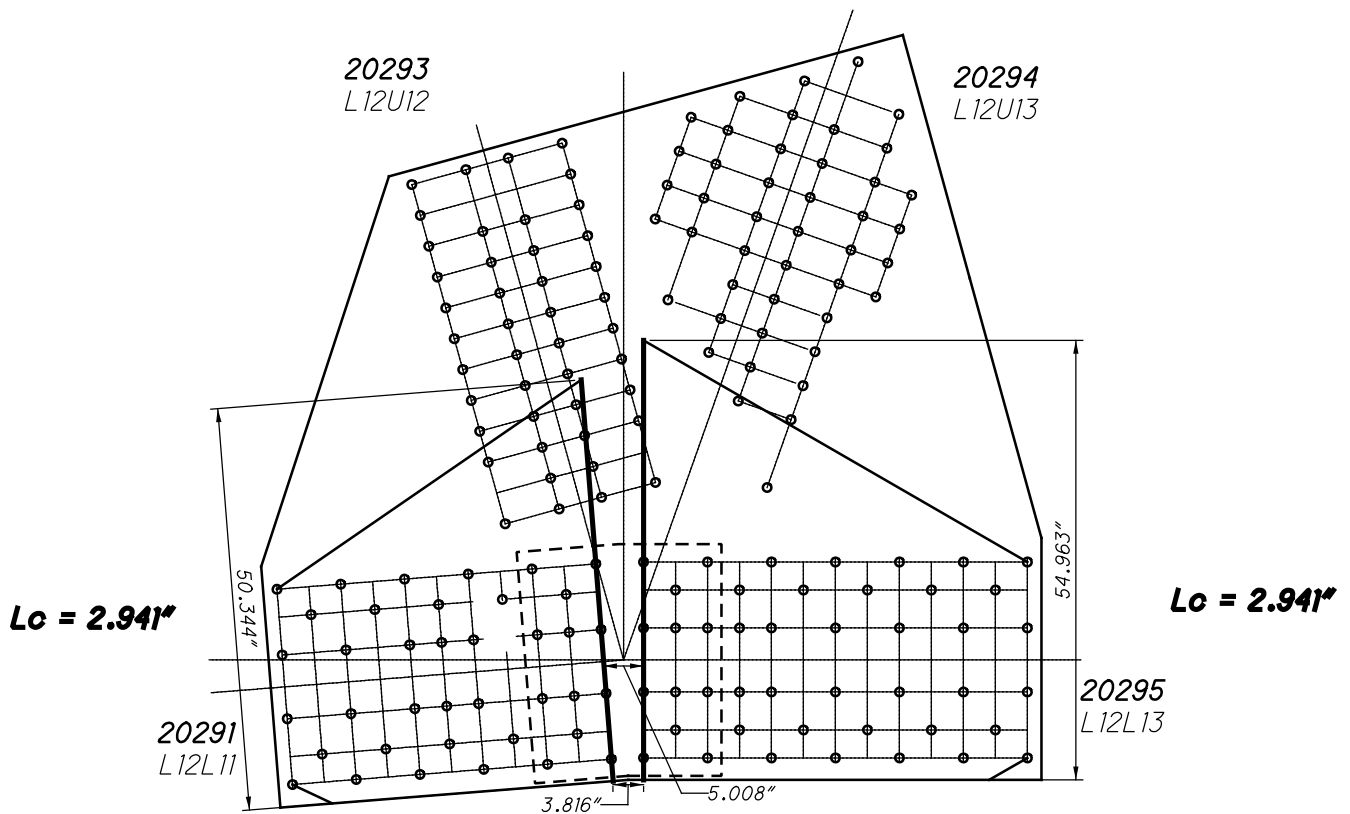


**L28 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**

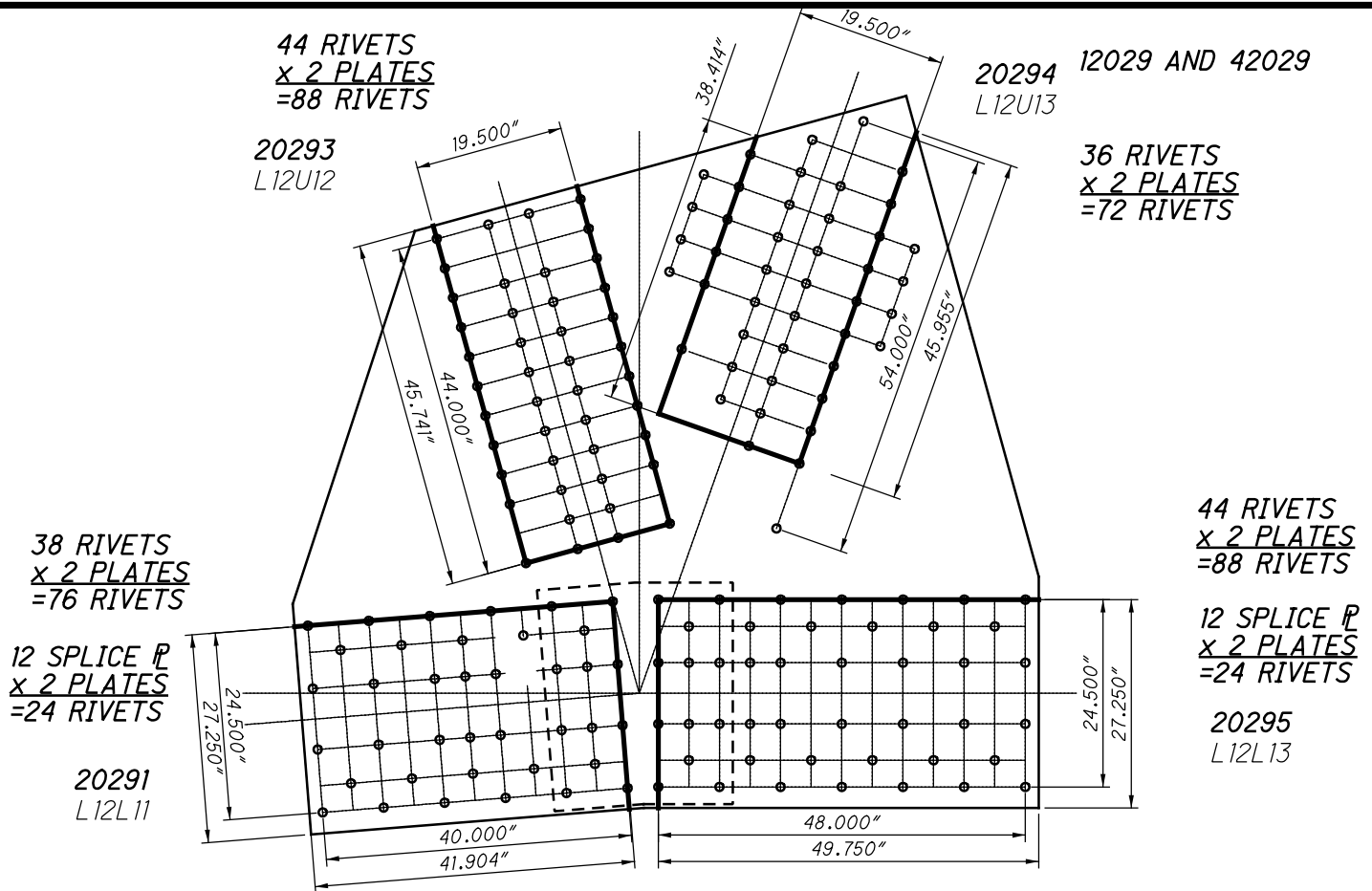
SPLICE PLATE
30" X 7/16" X 2'-2"



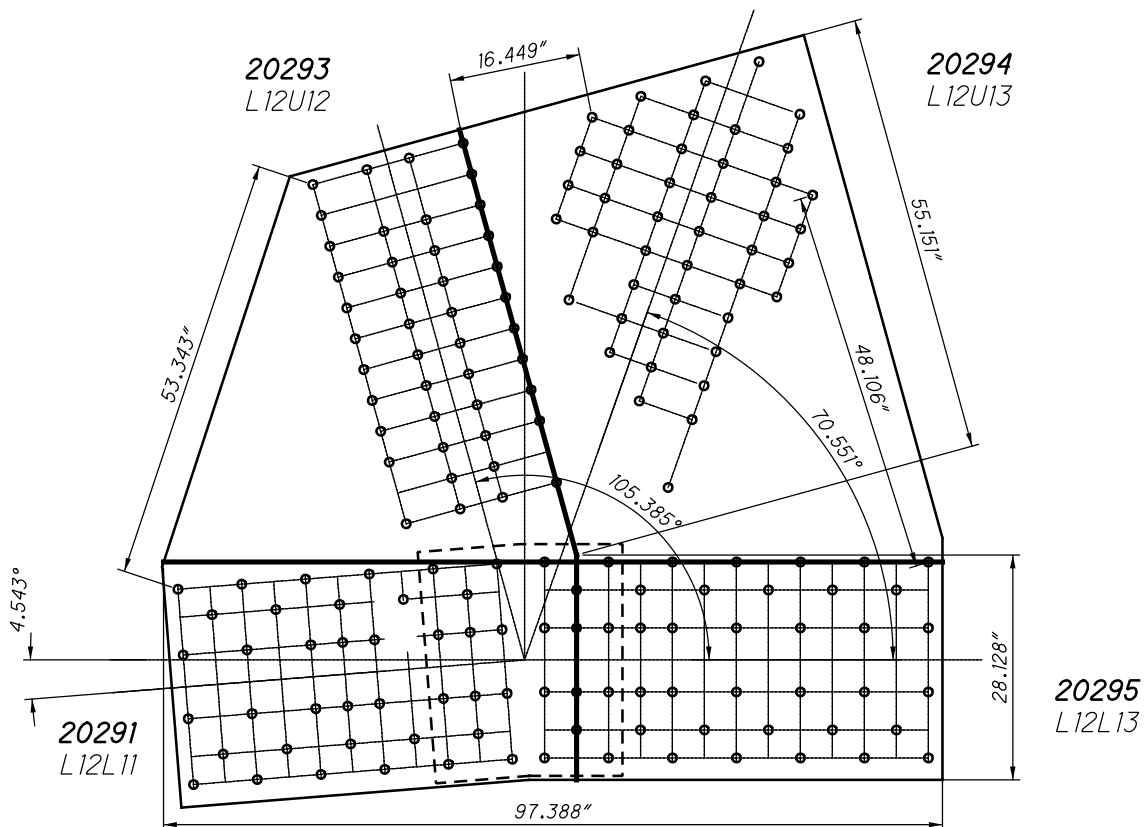
**L29 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



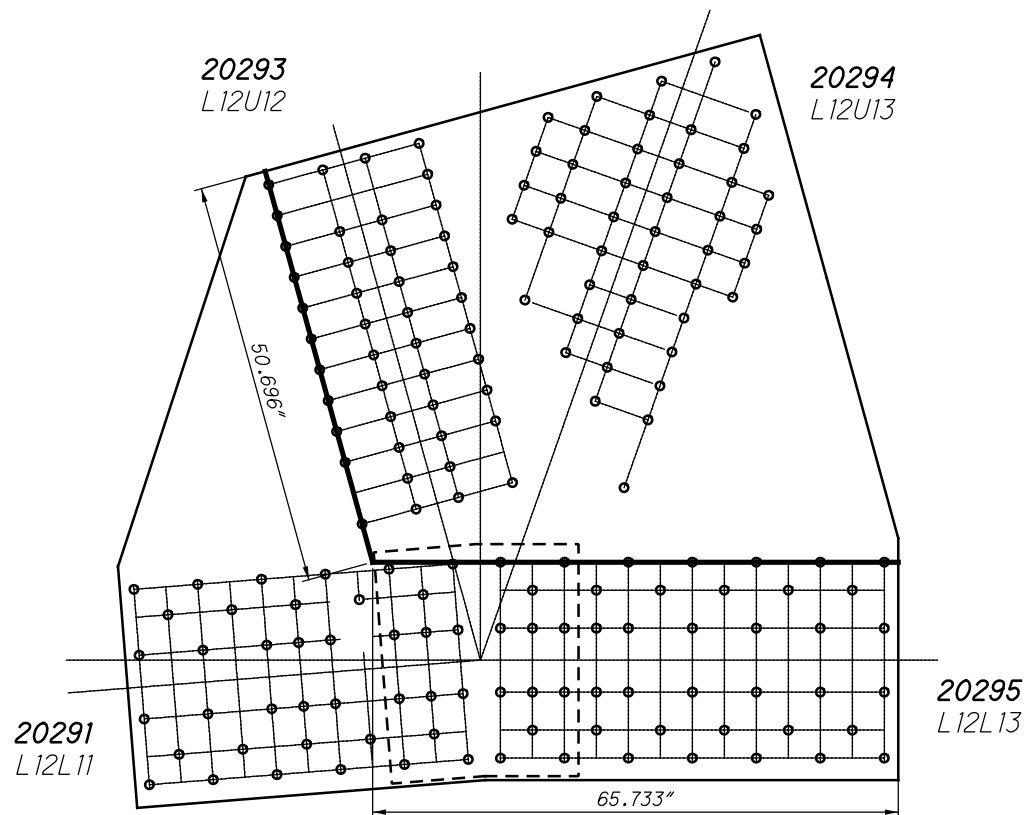
**L29 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



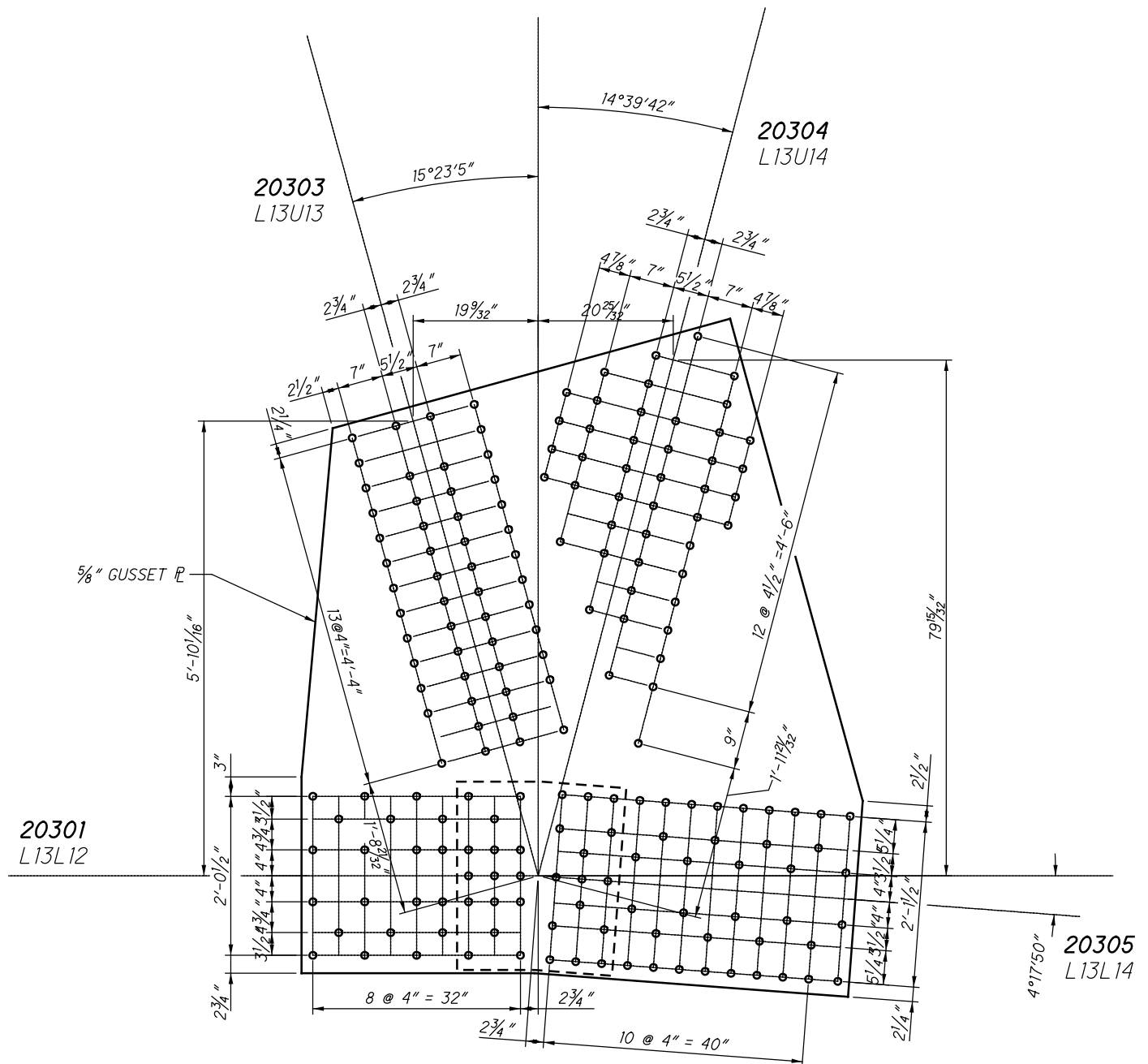
**L29 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L29 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



**L29 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**

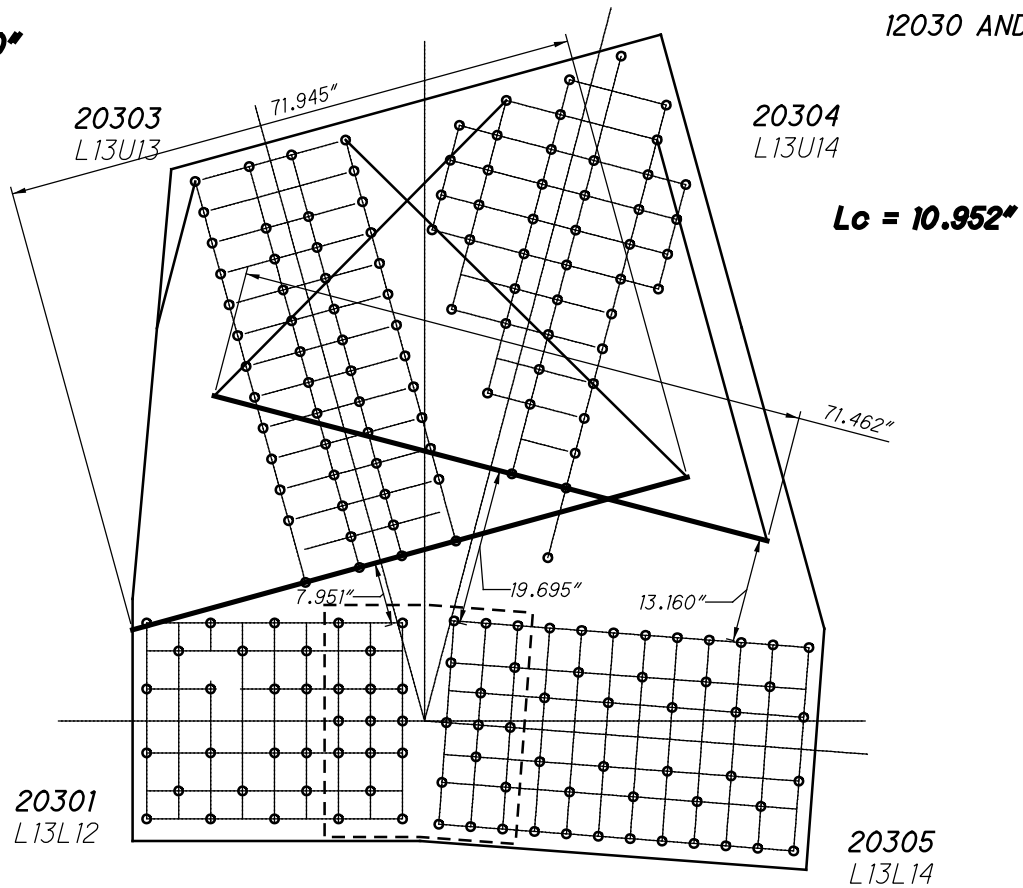


**L30 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

SPLICE PLATE
30" X 7/16" X 2'-2 1/2"

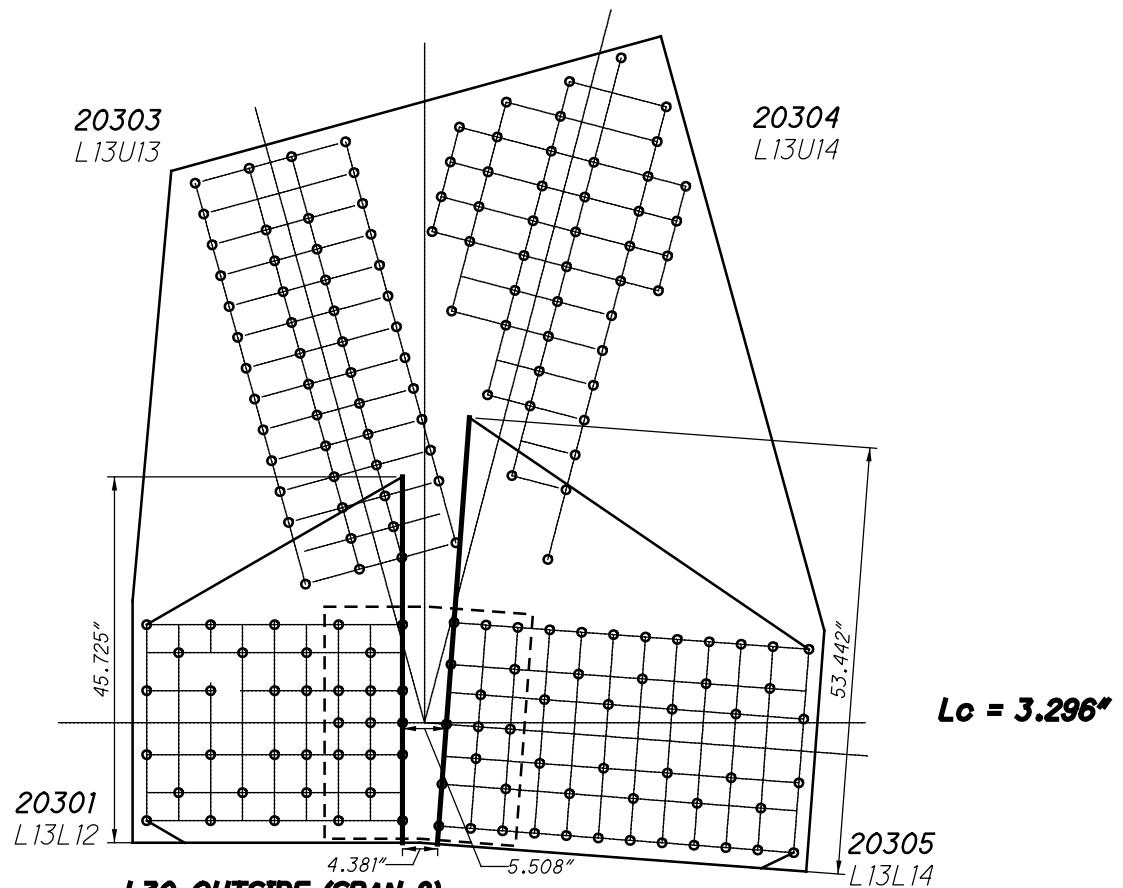
$L_c = 2.650''$

12030 AND 42030



**L30 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 3.296''$



**L30 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

52 RIVETS
x 2 PLATES
=104 RIVETS

20303
L13U13

12030 AND 42030

38 RIVETS
x 2 PLATES
=76 RIVETS

20304
L13U14

35 RIVETS
x 2 PLATES
=70 RIVETS

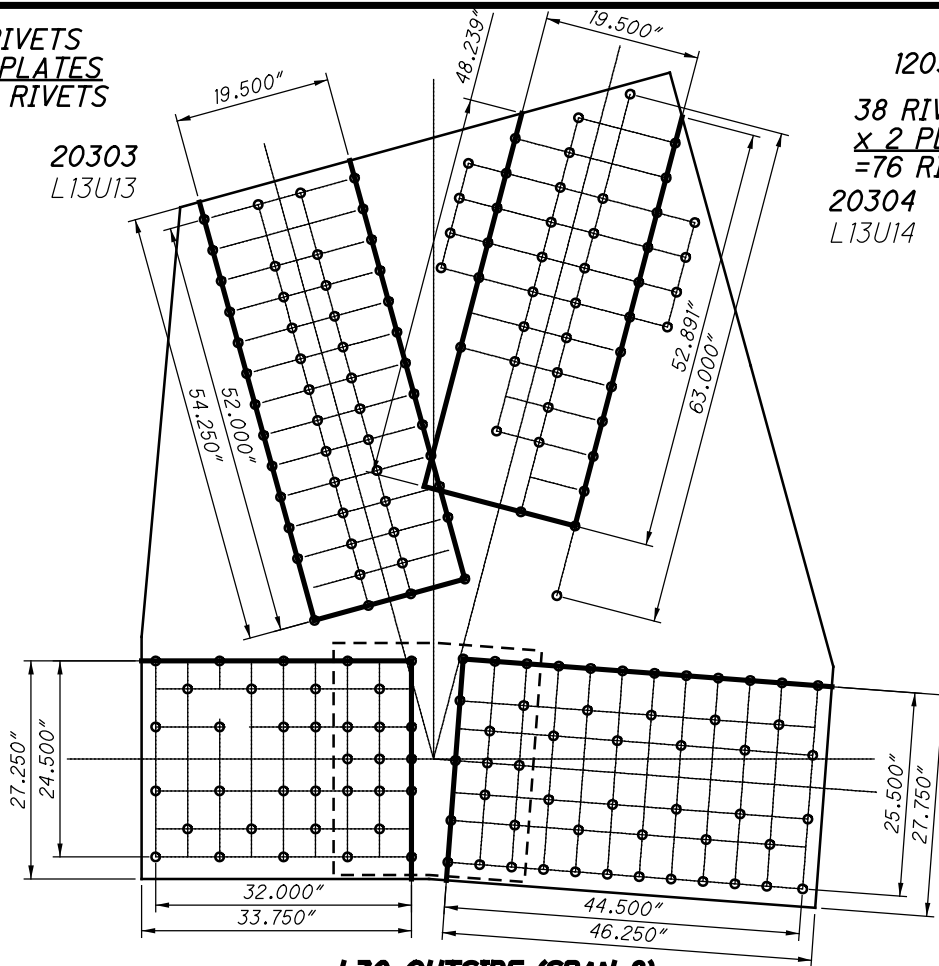
15 SPLICE P
x 2 PLATES
=30 RIVETS

20301
L13L12

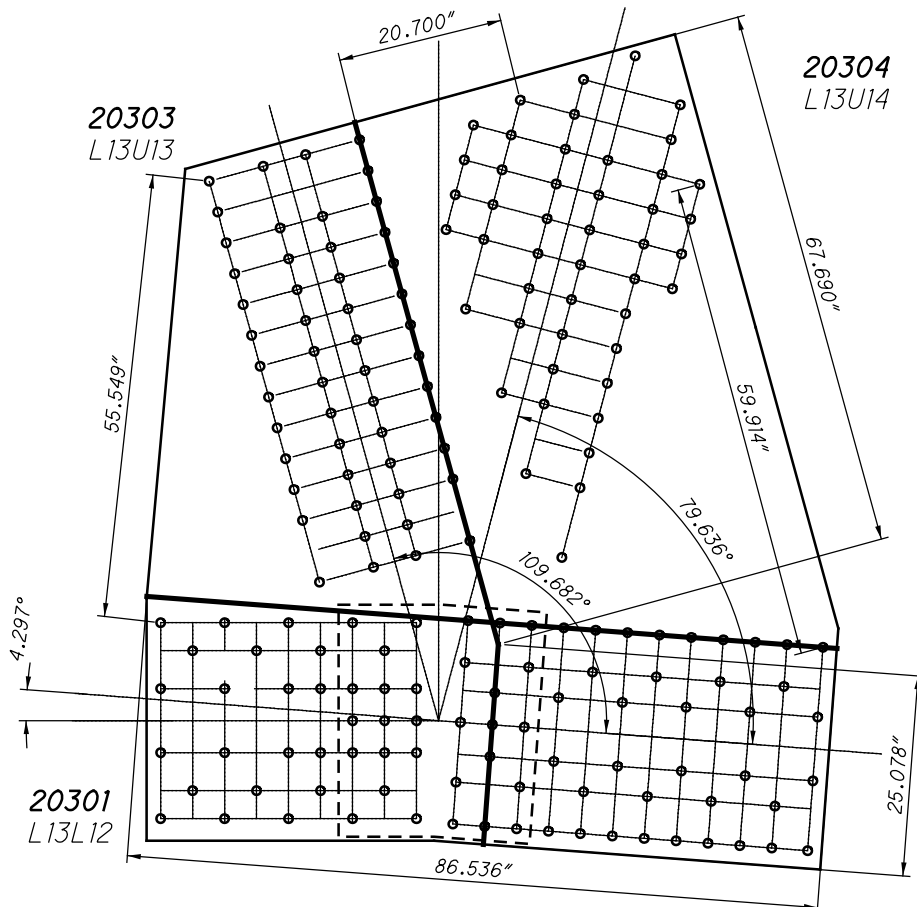
51 RIVETS
x 2 PLATES
=102 RIVETS

15 SPLICE P
x 2 PLATES
=30 RIVETS

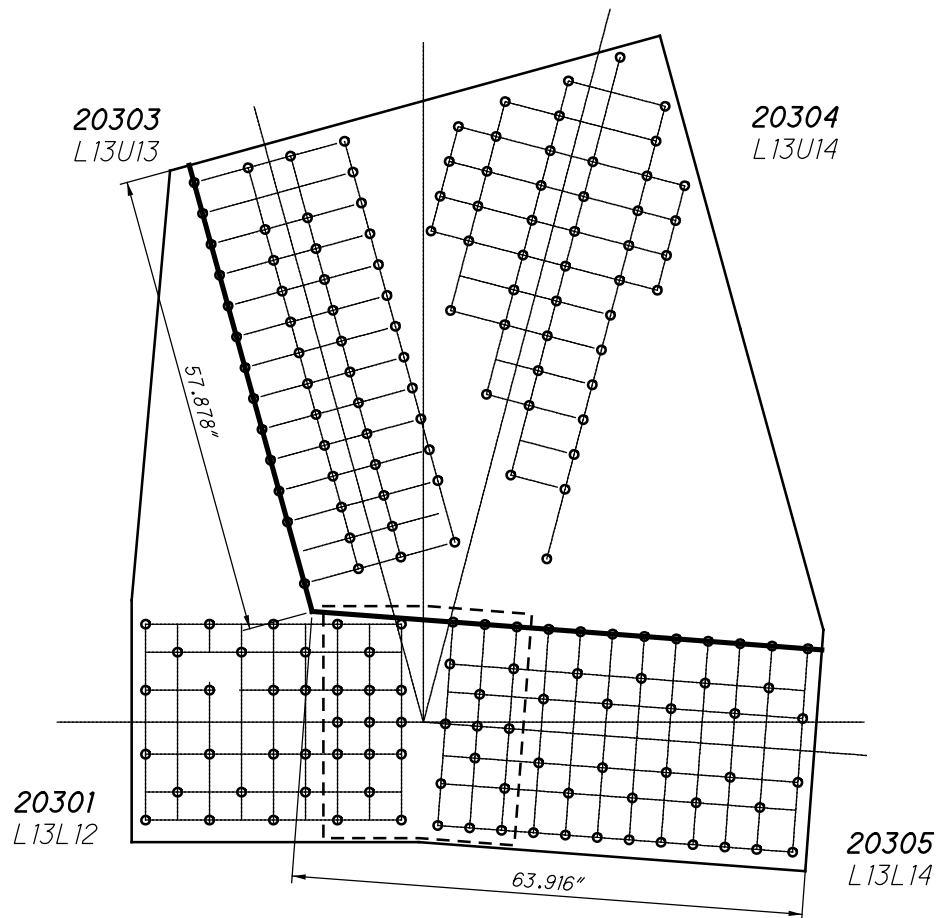
20305
L13L14



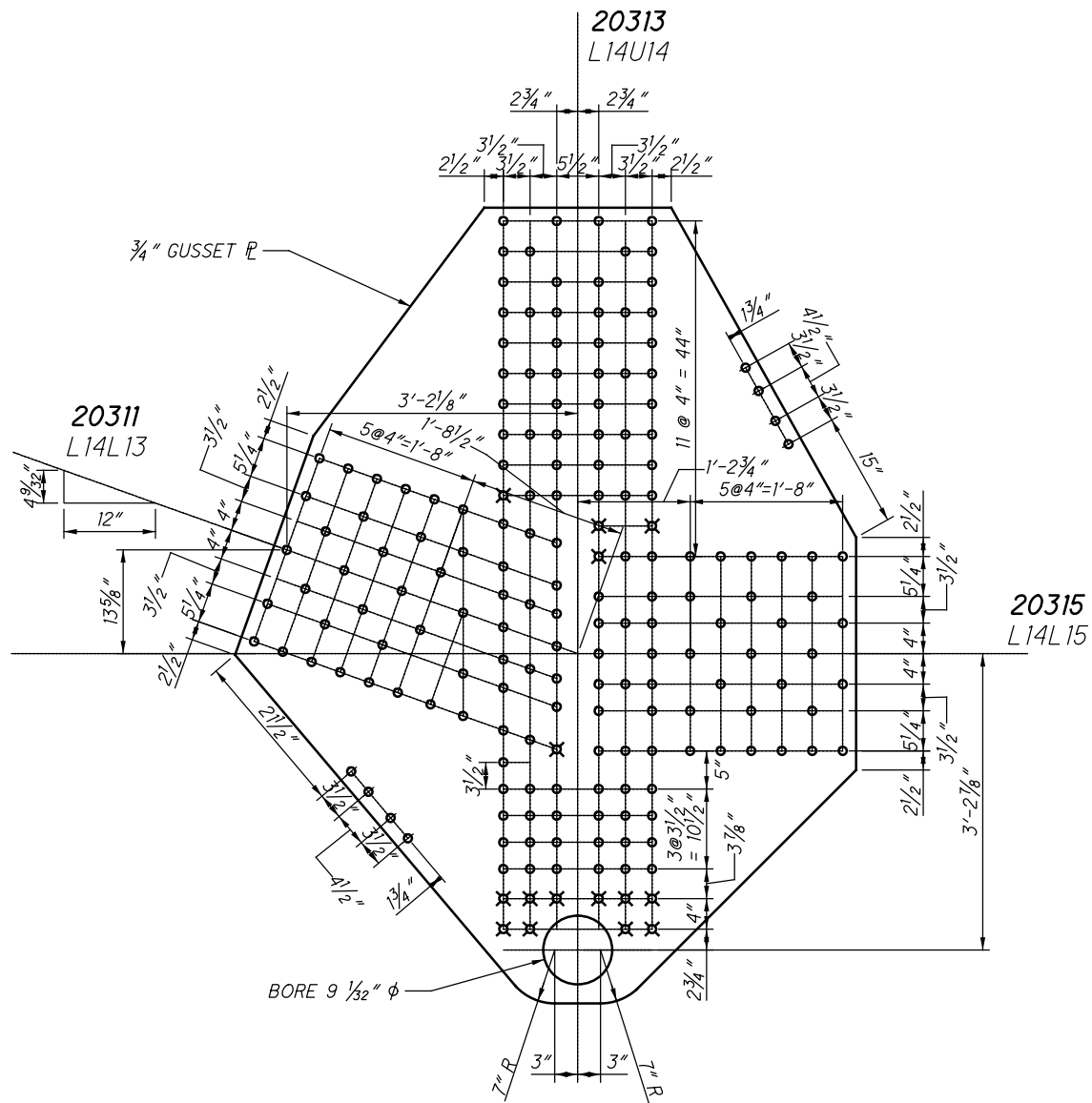
**L30 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



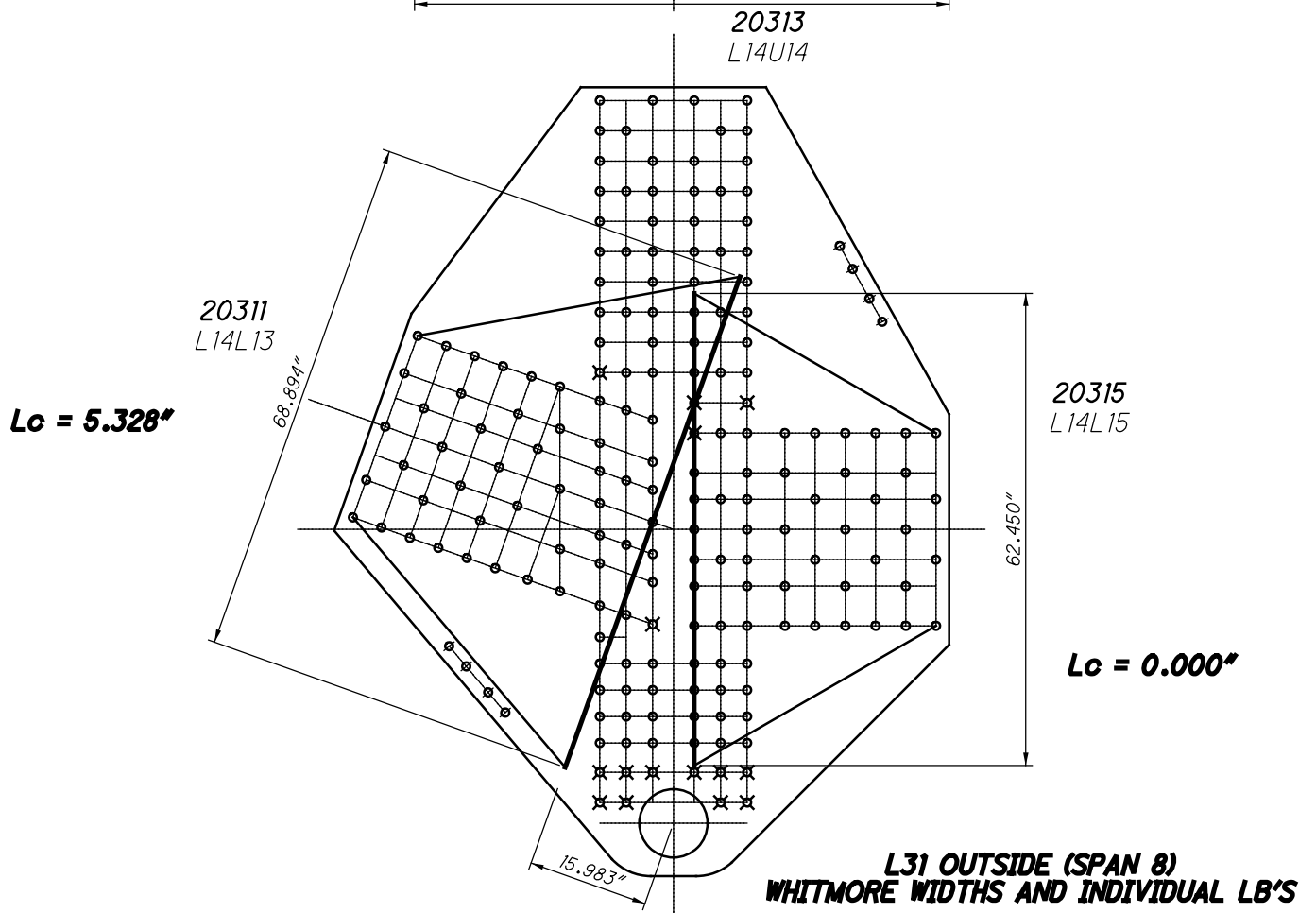
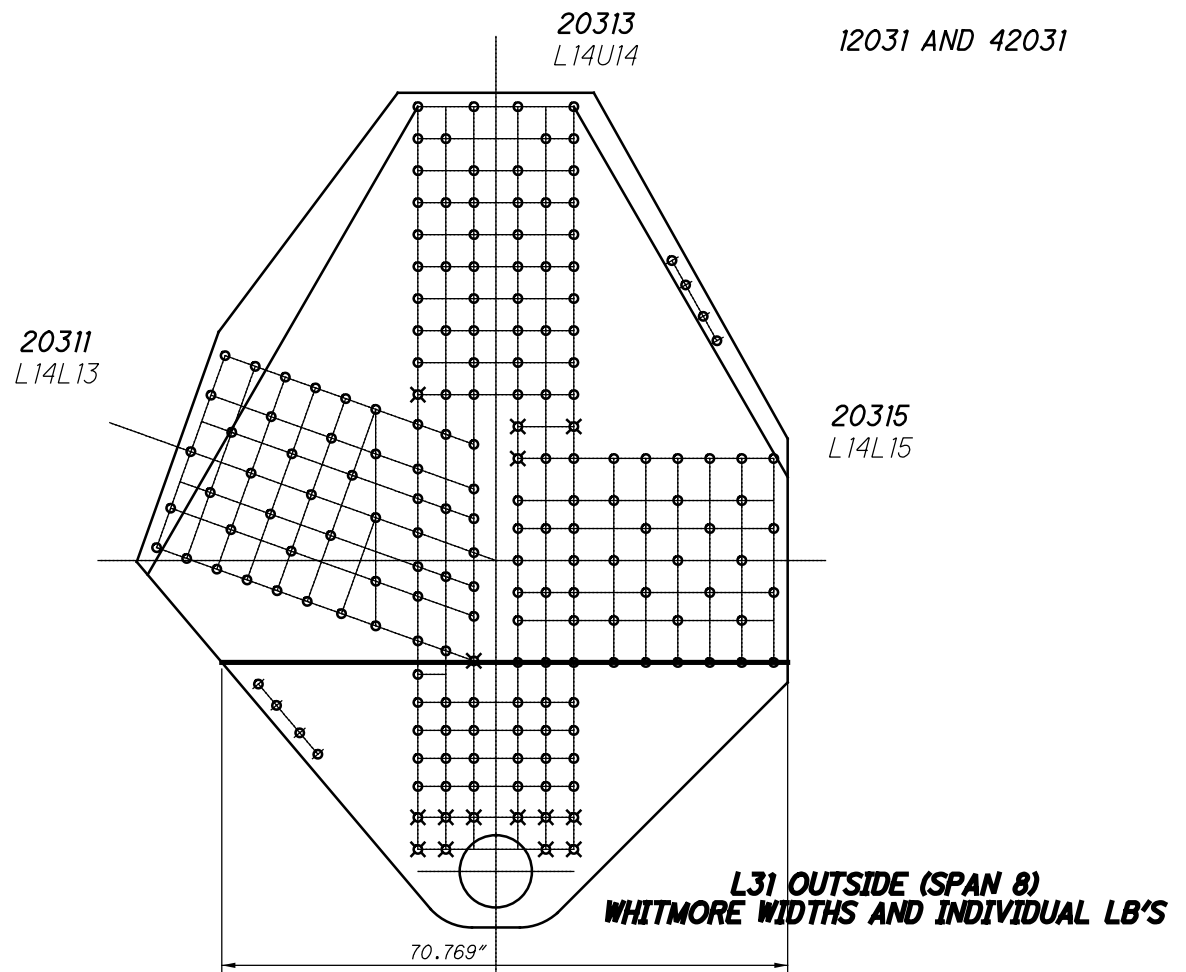
**L30 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



**L30 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L31 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



50 RIVETS
 $\times 2$ PLATES
 =100 RIVETS

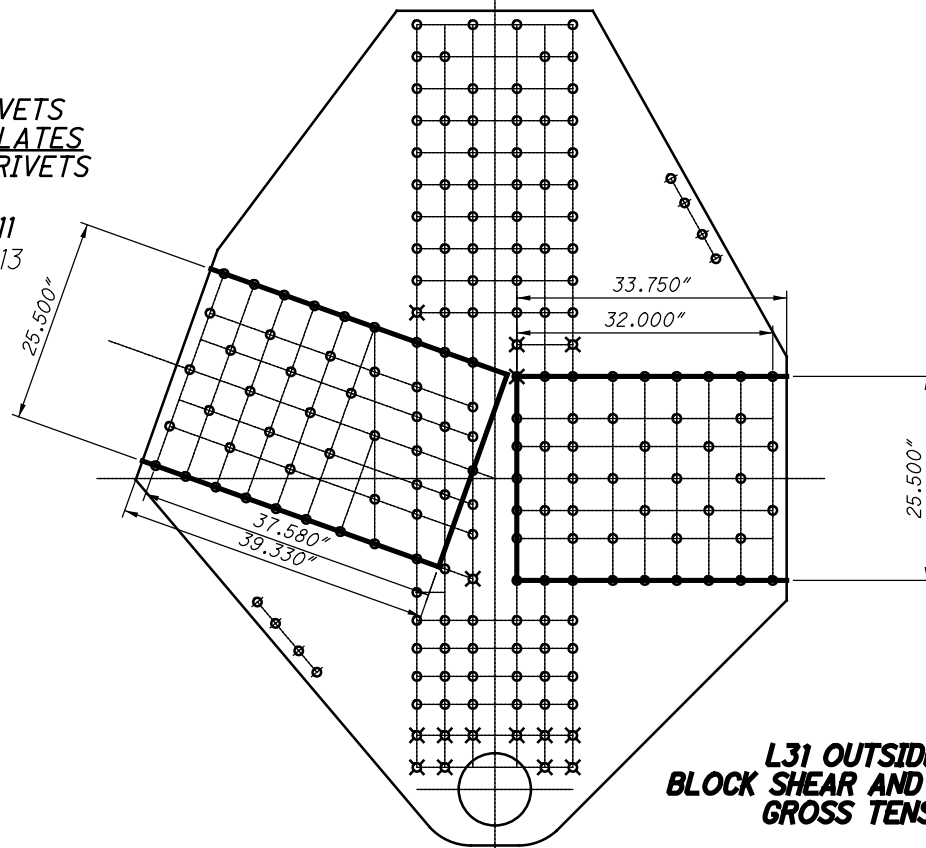
20311
 L14L13

20313
 L14U14

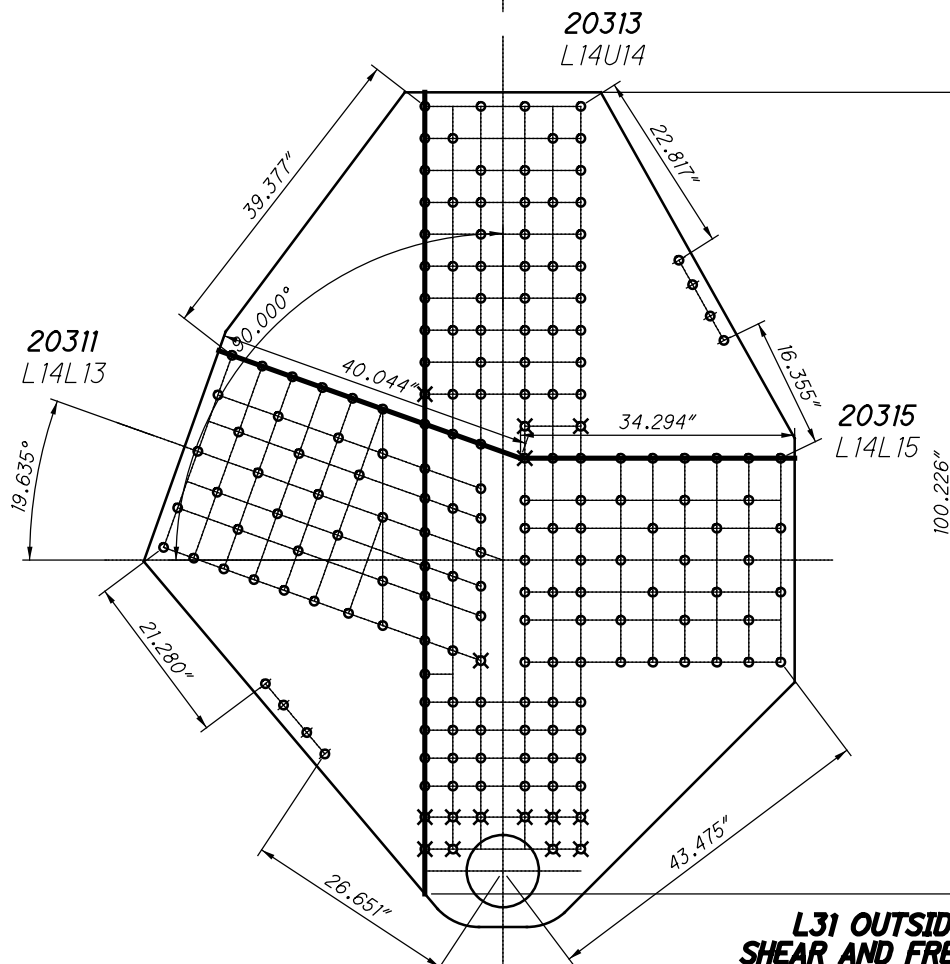
12031 AND 42031

45 RIVETS
 $\times 2$ PLATES
 =90 RIVETS

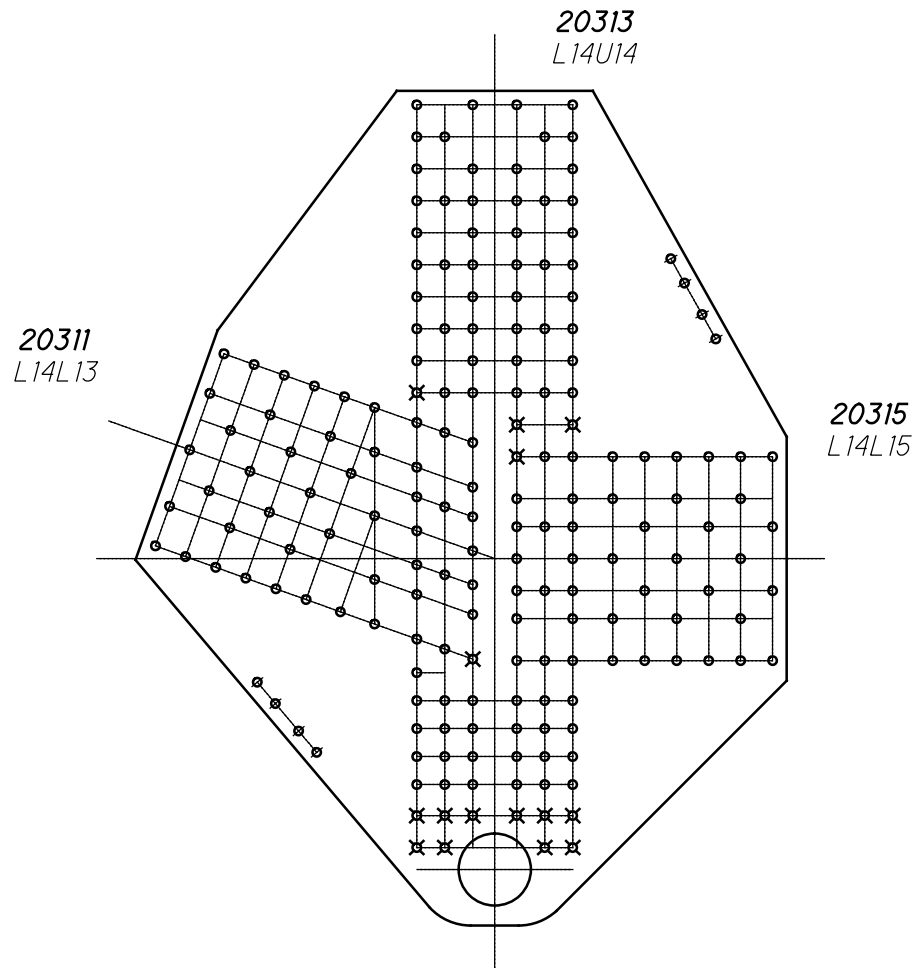
20315
 L14L15



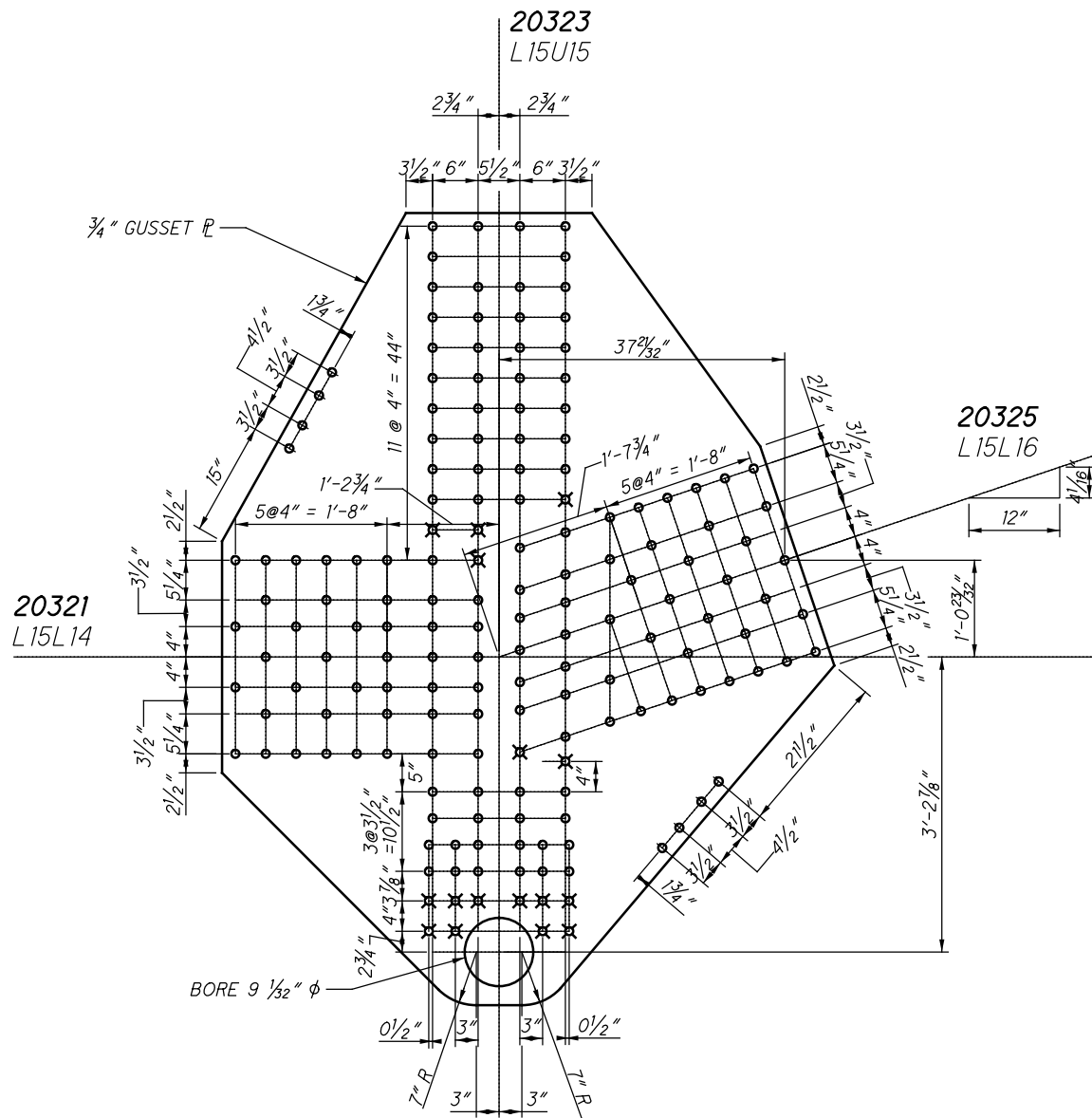
**L31 OUTSIDE (SPAN 8)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**



**L31 OUTSIDE (SPAN 8)
 SHEAR AND FREE EDGE CHECK**



**L31 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L32 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

20323
L15U15

12032 AND 42032

20321
L15L14

20325
L15L16

**L32 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20323
L15U15

70.842"

20321
L15L14

20325
L15L16

$L_c = 5.123"$

68.047"

$L_c = 0.000"$

62.450"

15.369"

**L32 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

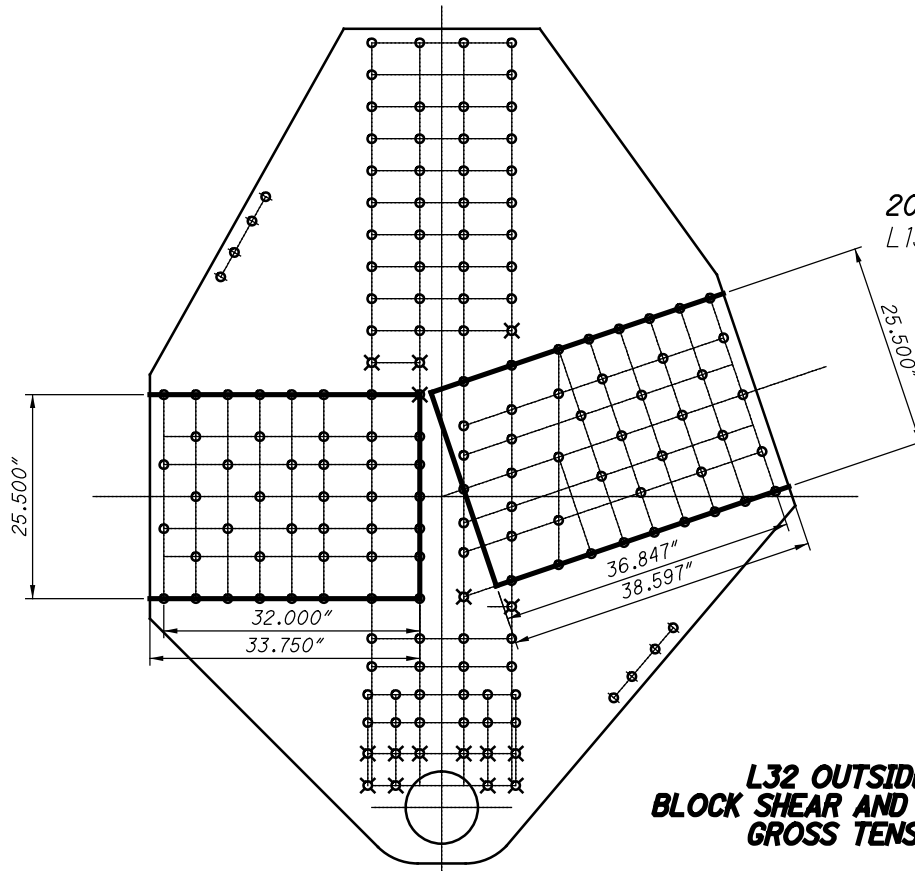
20323
L15U15

12032 AND 42032

20321
L15L14
43 RIVETS
x 2 PLATES
=86 RIVETS

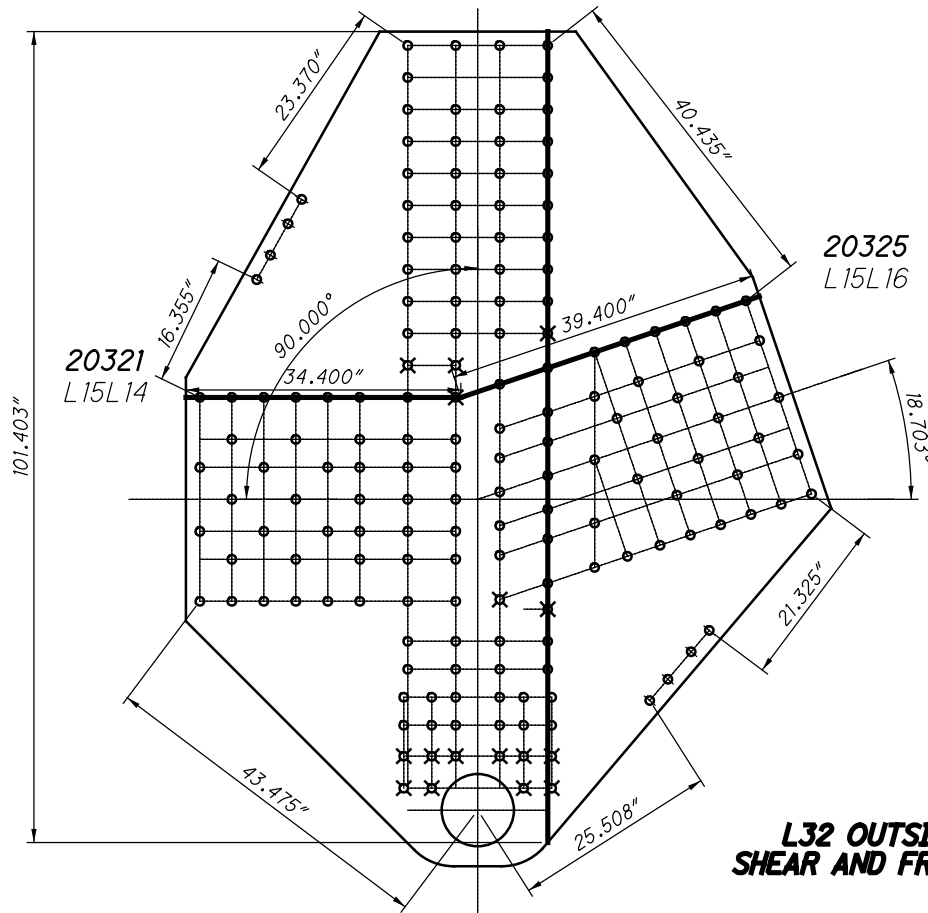
20325
L15L16

46 RIVETS
x 2 PLATES
=92 RIVETS

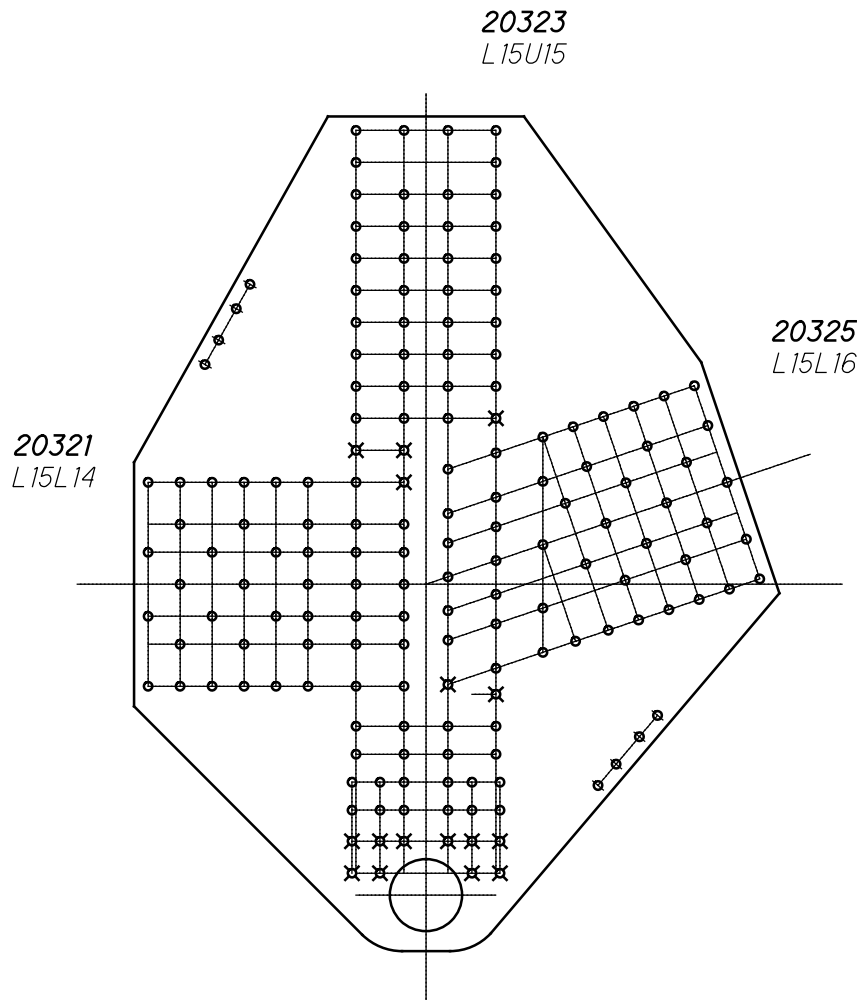


**L32 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

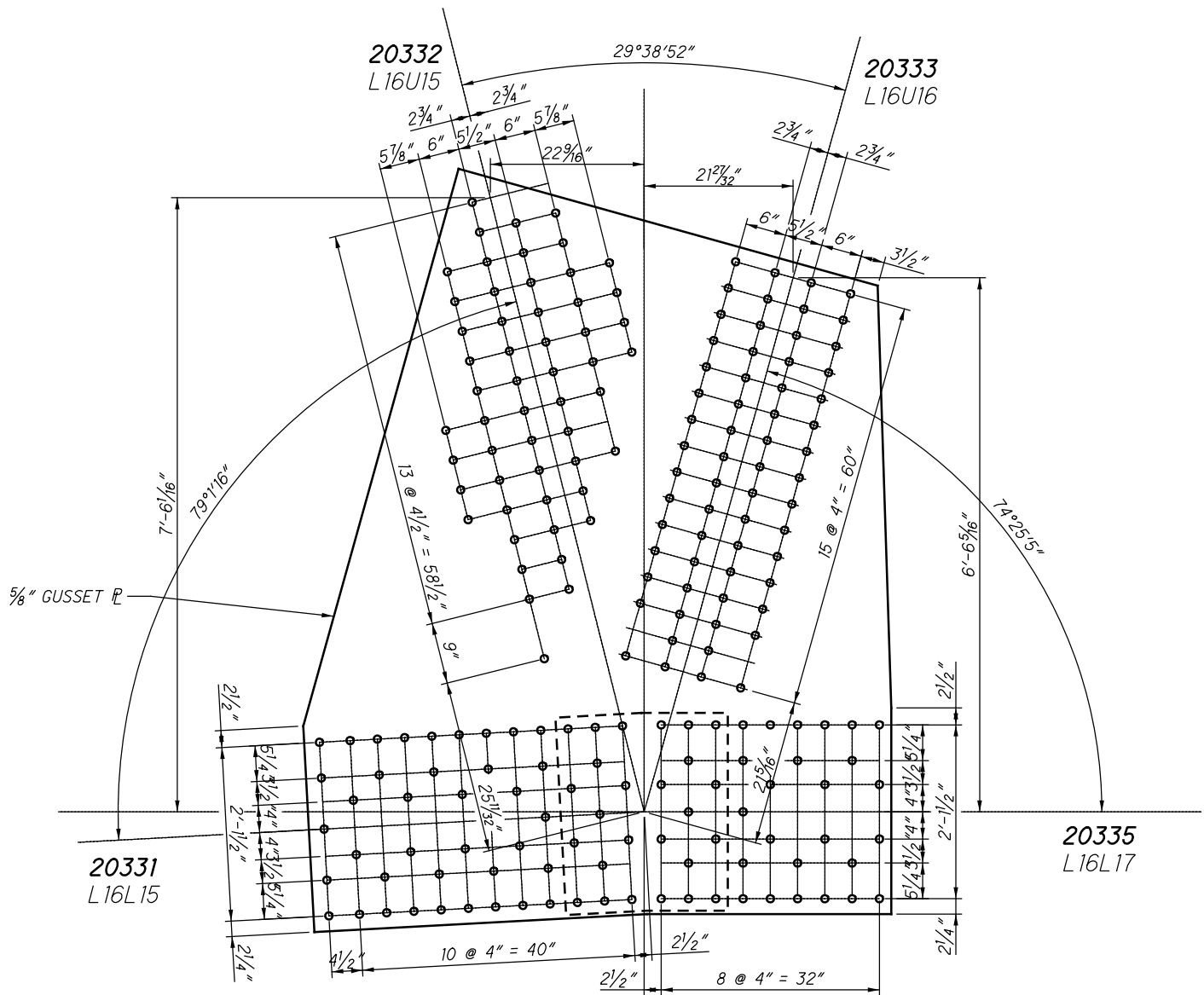
20323
L15U15



**L32 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



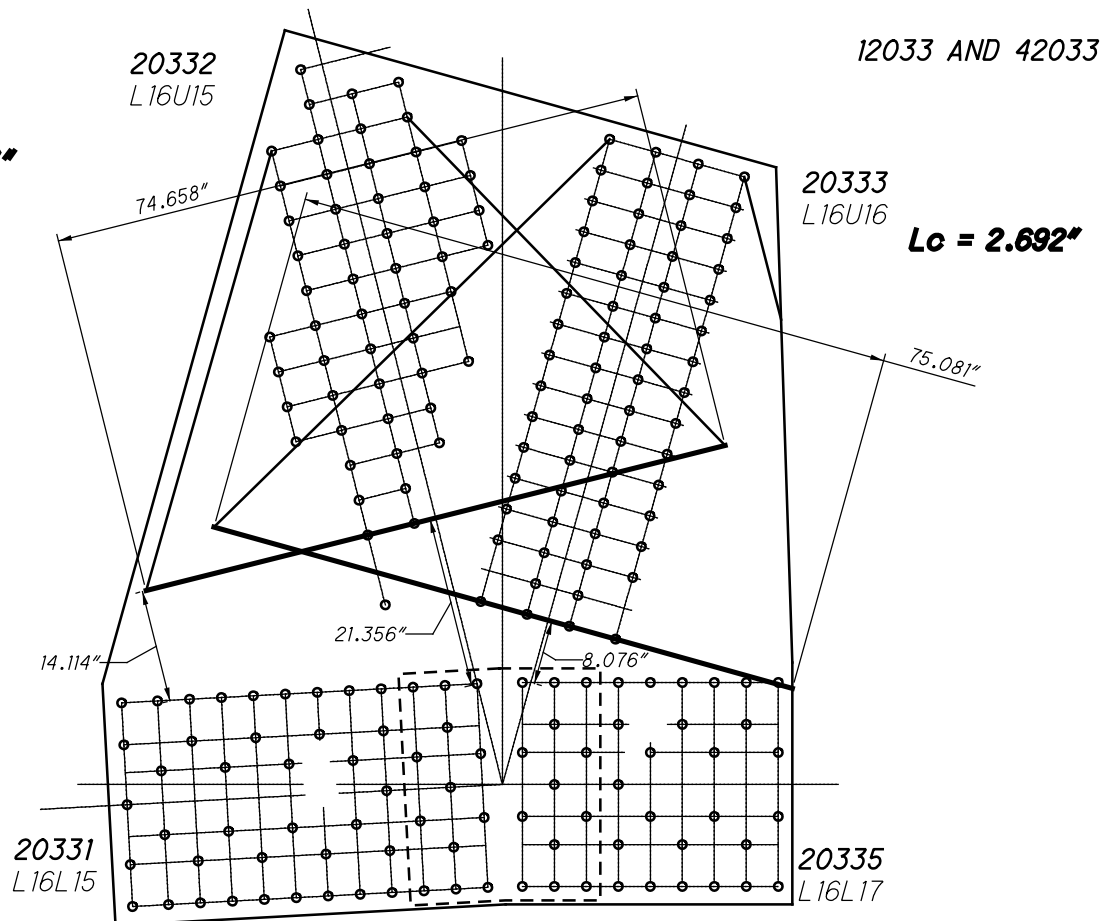
**L32 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L33 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

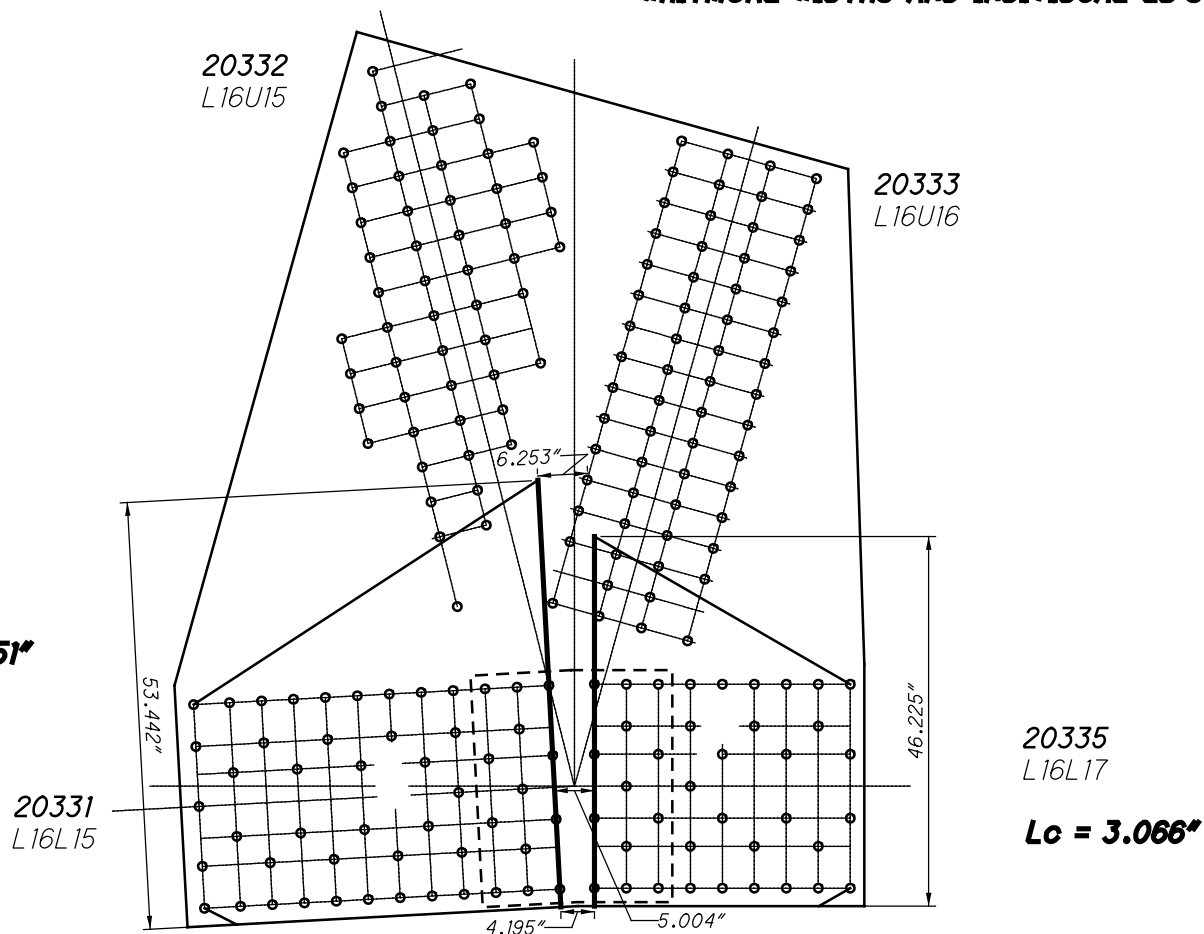
SPLICE PLATE
 $29\frac{1}{4}'' \times \frac{7}{16}'' \times 2'-1\frac{1}{4}''$

$L_c = 11.823''$



**L33 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 5.151''$



**L33 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

46 RIVETS
x 2 PLATES
=92 RIVETS

20332
L16U15

12033 AND 42033

20333
L16U16

62 RIVETS
x 2 PLATES
=124 RIVETS

51 RIVETS
x 2 PLATES
=102 RIVETS

13 SPLICE P
x 2 PLATES
=26 RIVETS

20331
L16L15

38 RIVETS
x 2 PLATES
=76 RIVETS

13 SPLICE P
x 2 PLATES
=26 RIVETS

20335
L16L17

**L33 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

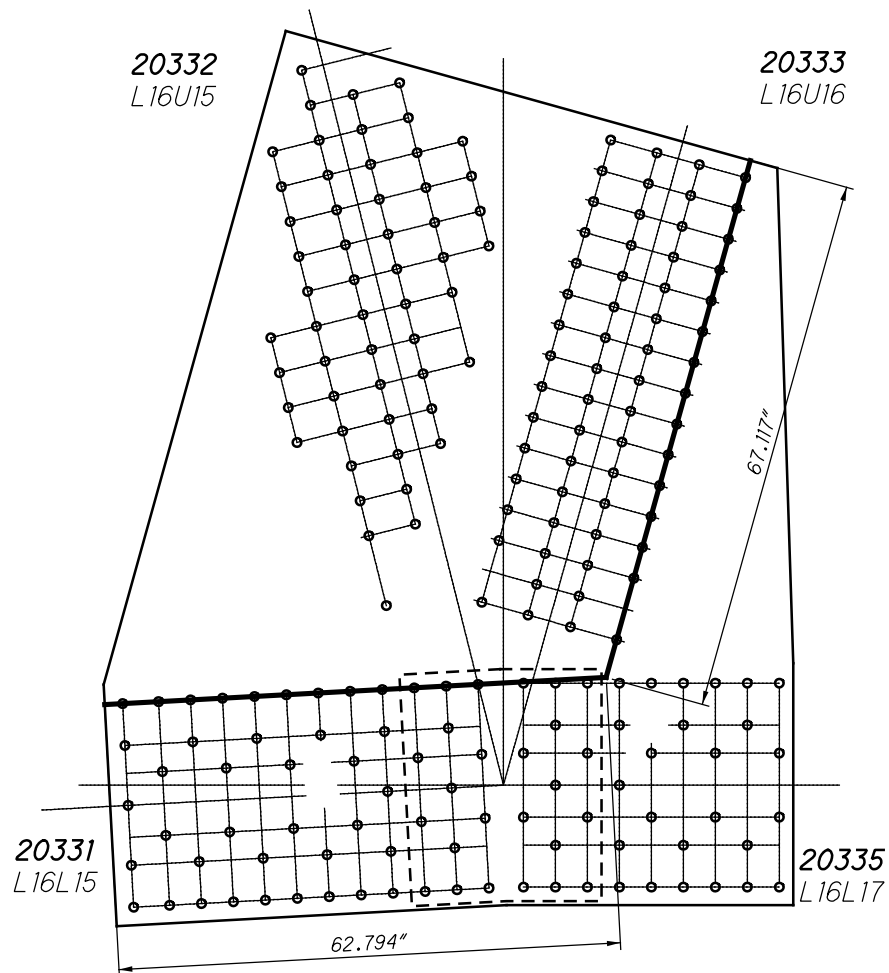
20332
L16U15

20333
L16U16

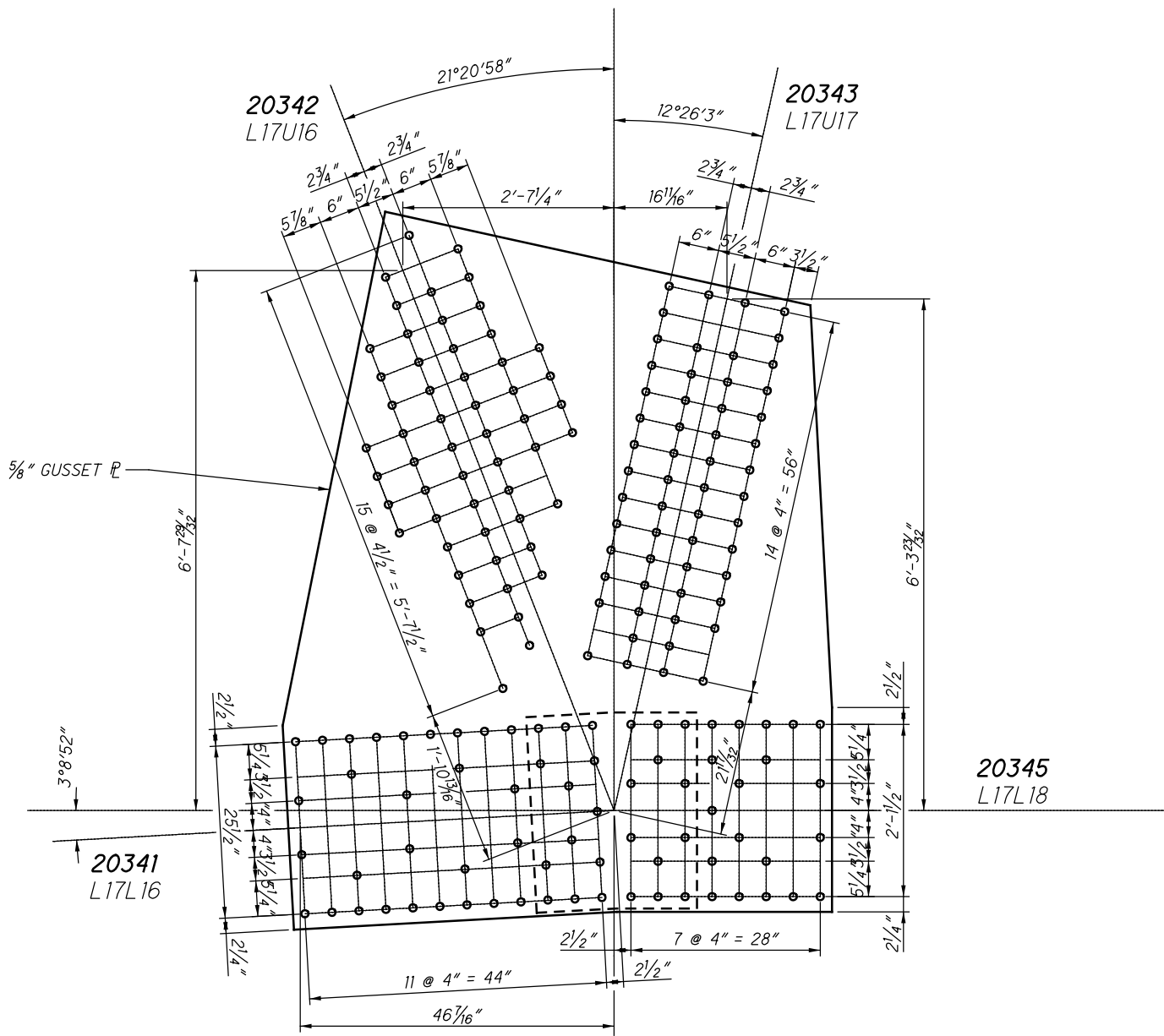
20331
L16L15

20335
L16L17

**L33 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



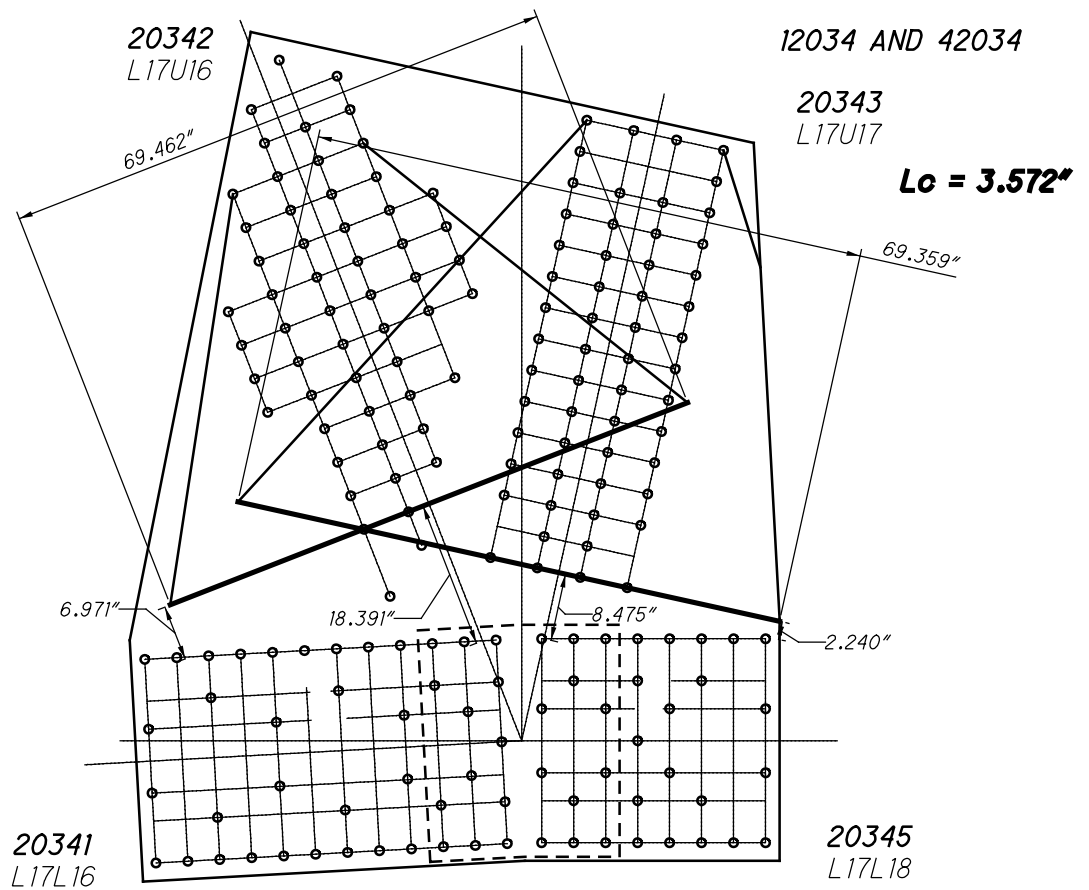
**L33 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**L34 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

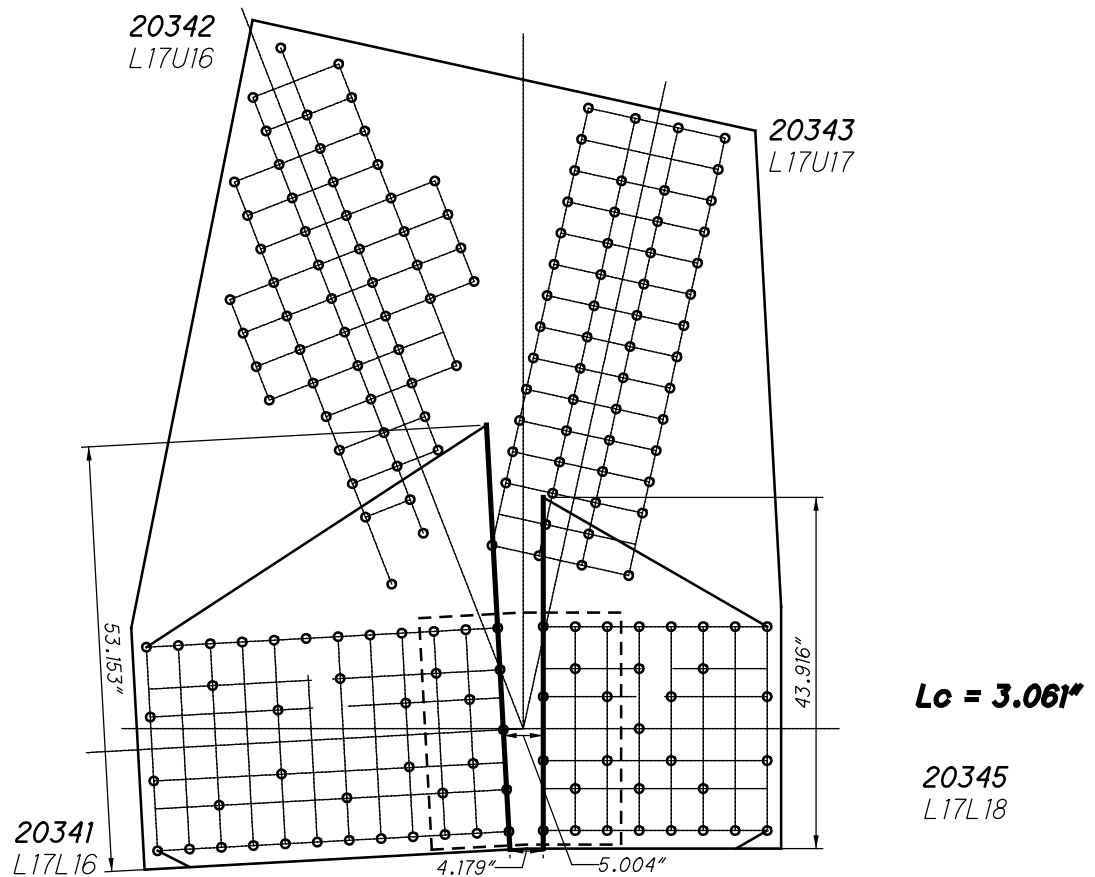
SPLICE PLATE
29" X 3/8" X 2'-1 1/2"

$L_c = 8.454''$

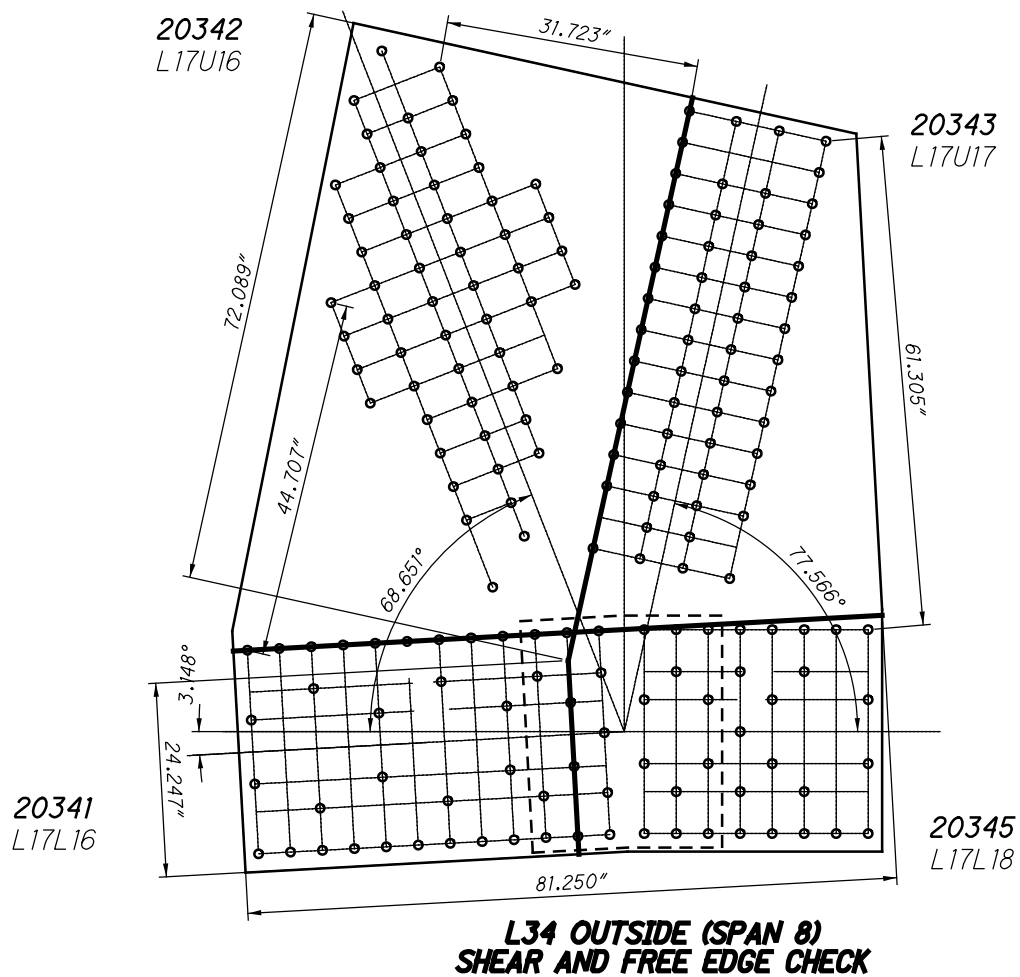
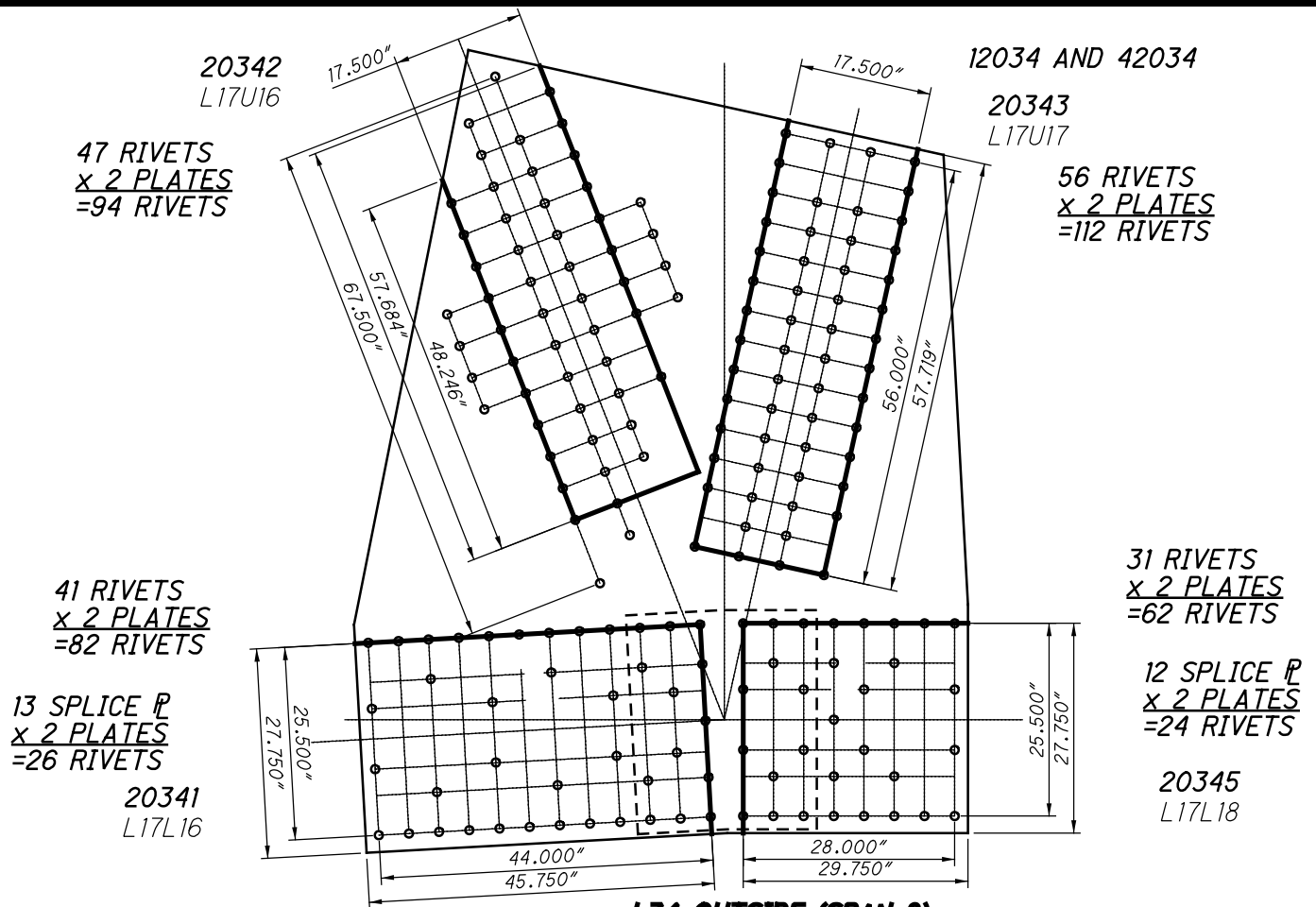


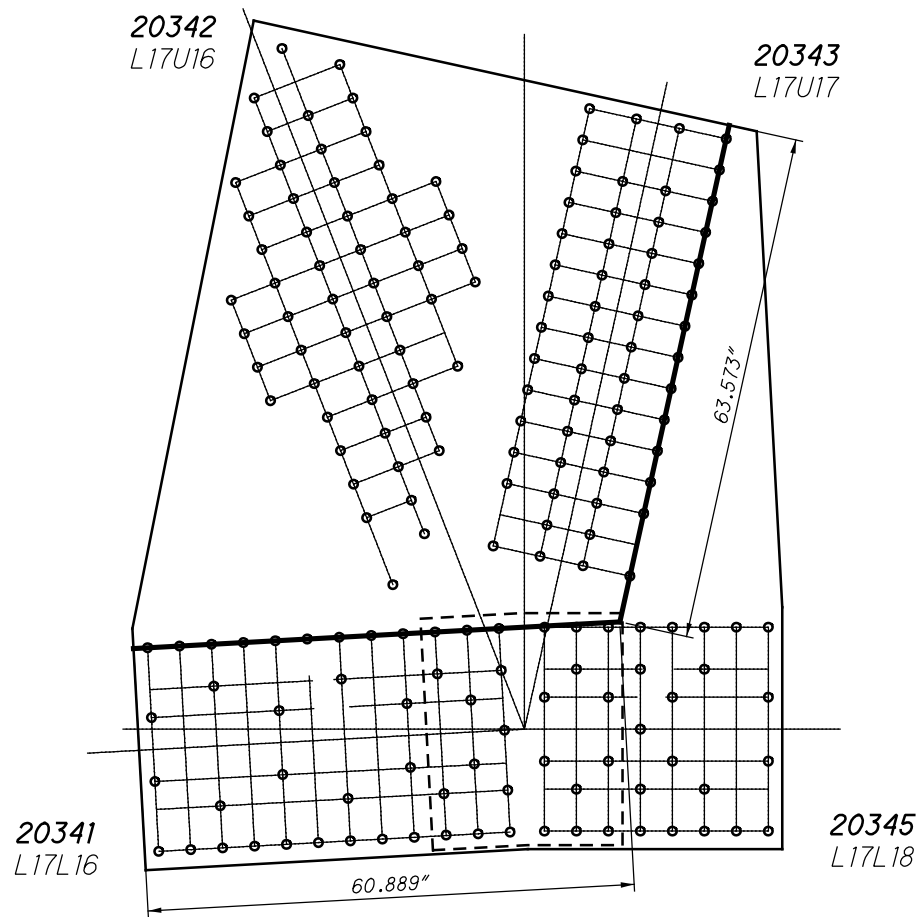
**L34 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 3.061''$

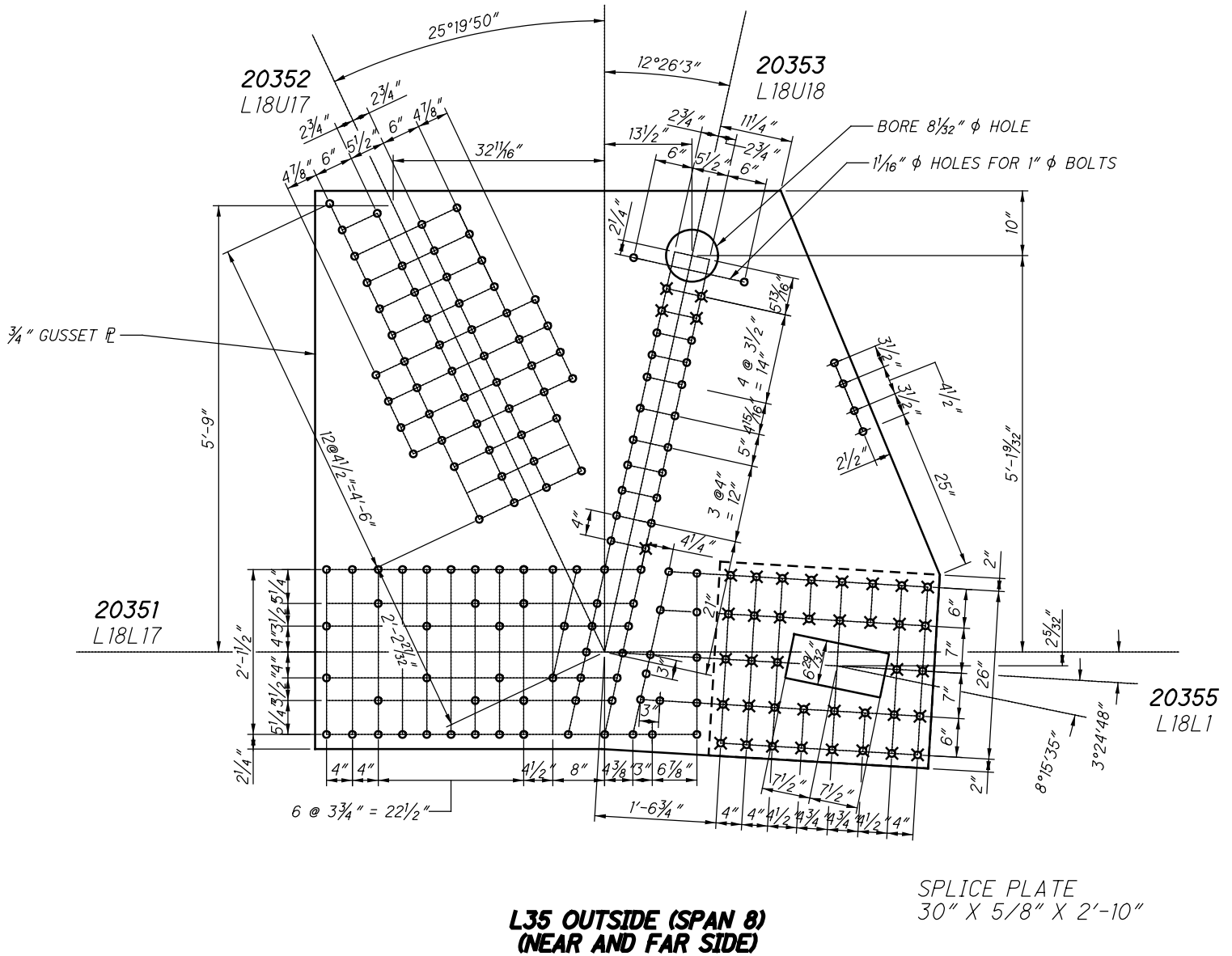


**L34 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

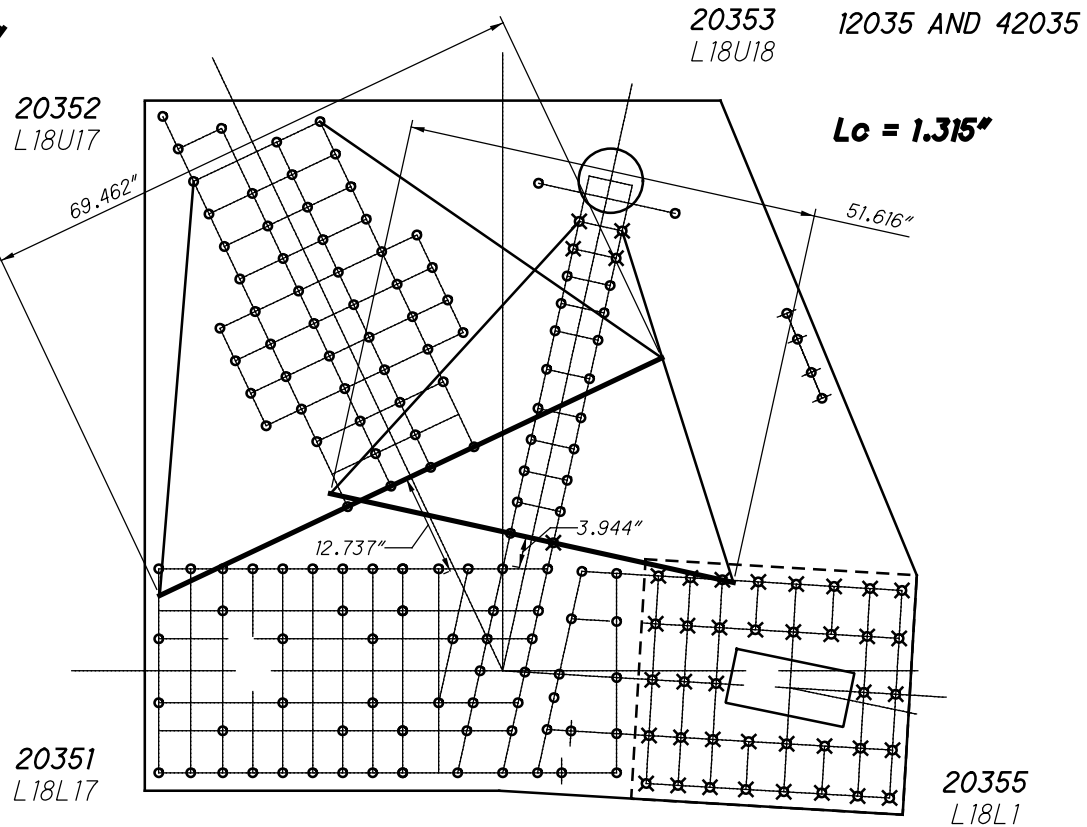




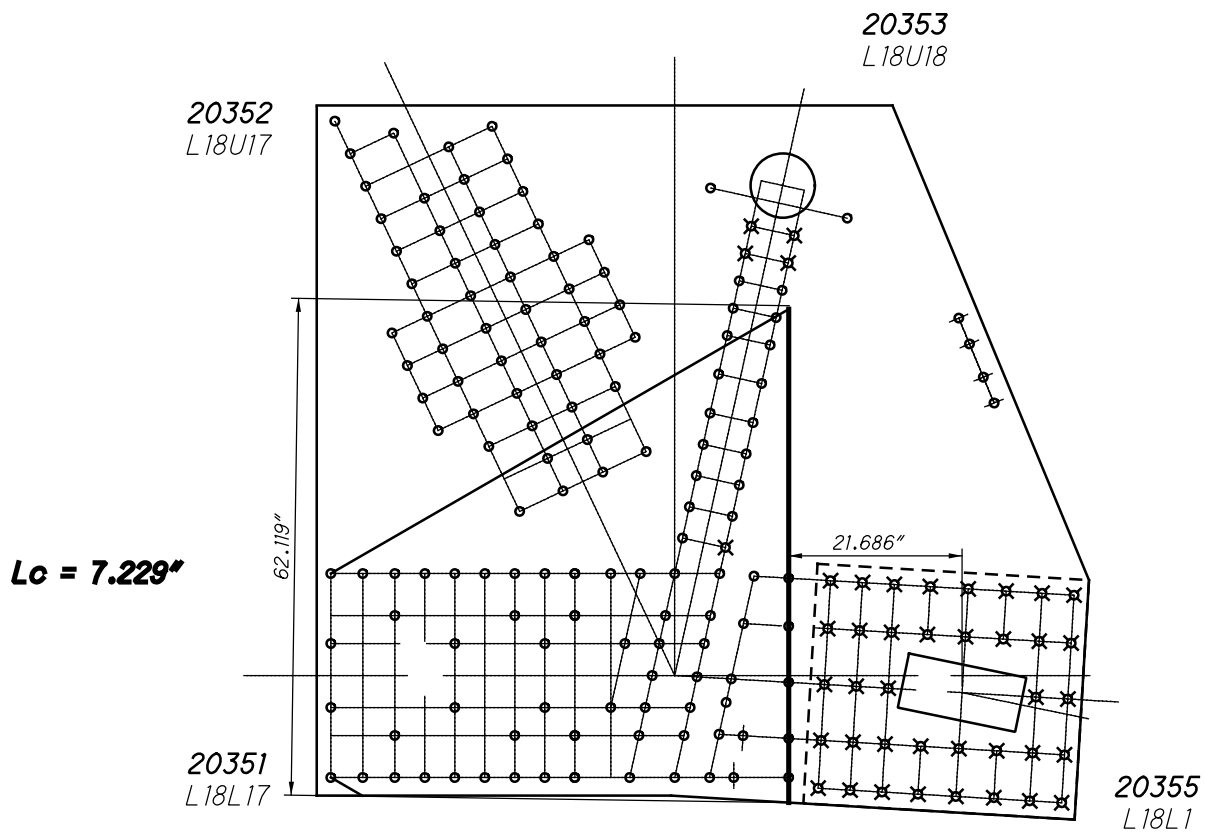
**L34 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



$L_c = 4.246''$



**L35 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L35 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

44 RIVETS
X 2 PLATES
=88 RIVETS

20352
L18U17

20353 12035 AND 42035
L18U18

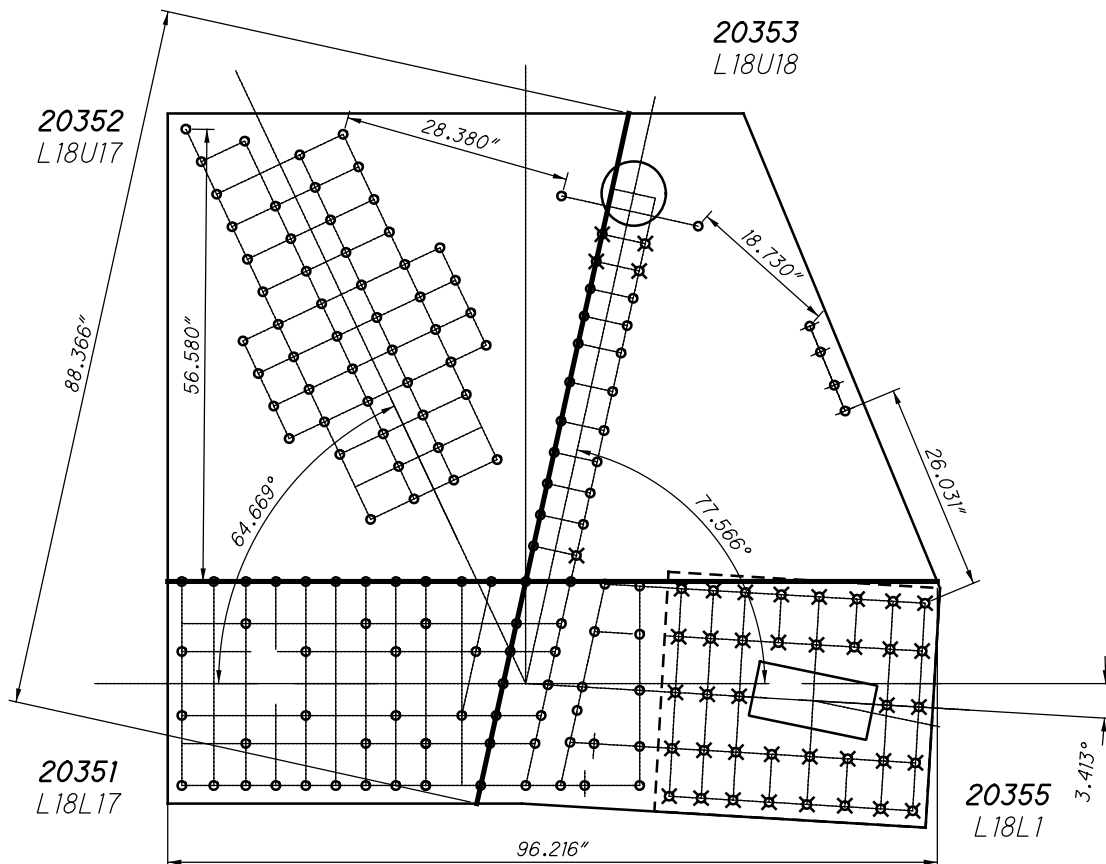
NO INTERNAL CASTING

61 RIVETS
X 2 PLATES
=122 RIVETS

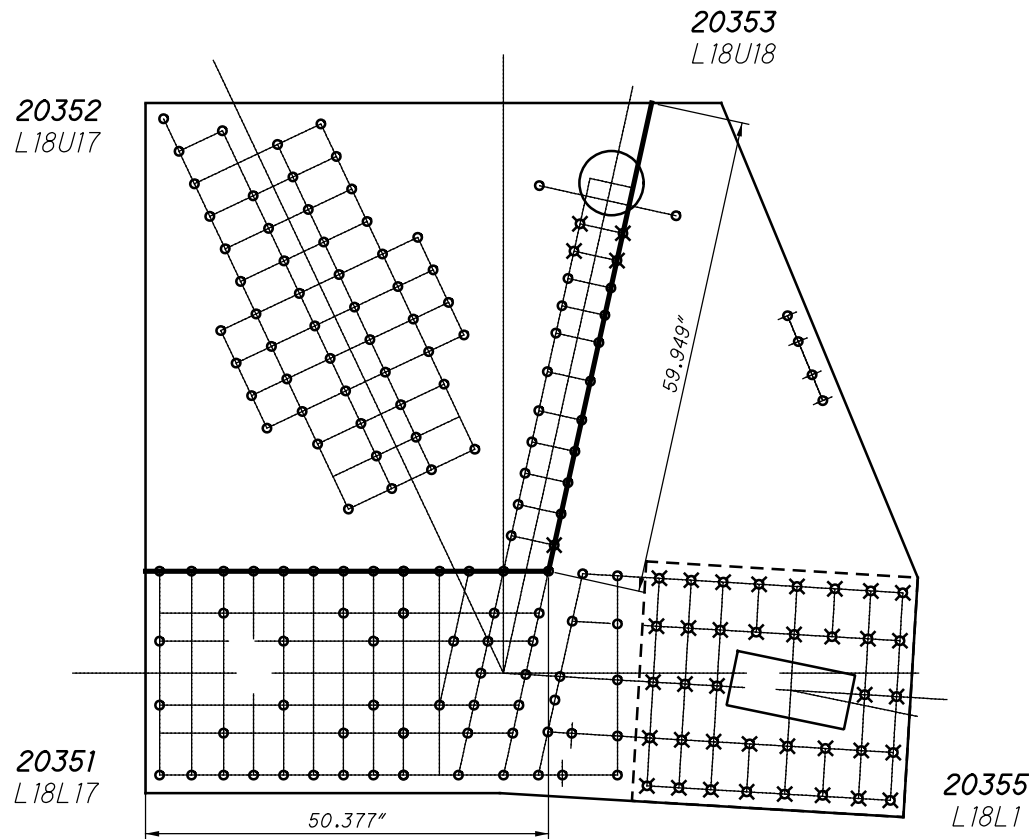
20351
L18L17

20355
L18L1

**L35 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L35 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



**L35 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**

**SPAN 8 GUSSET PLATES (UPPER)
LORAIN CARNEGIE**

CHECKED: _____

DATE: _____

LEGEND

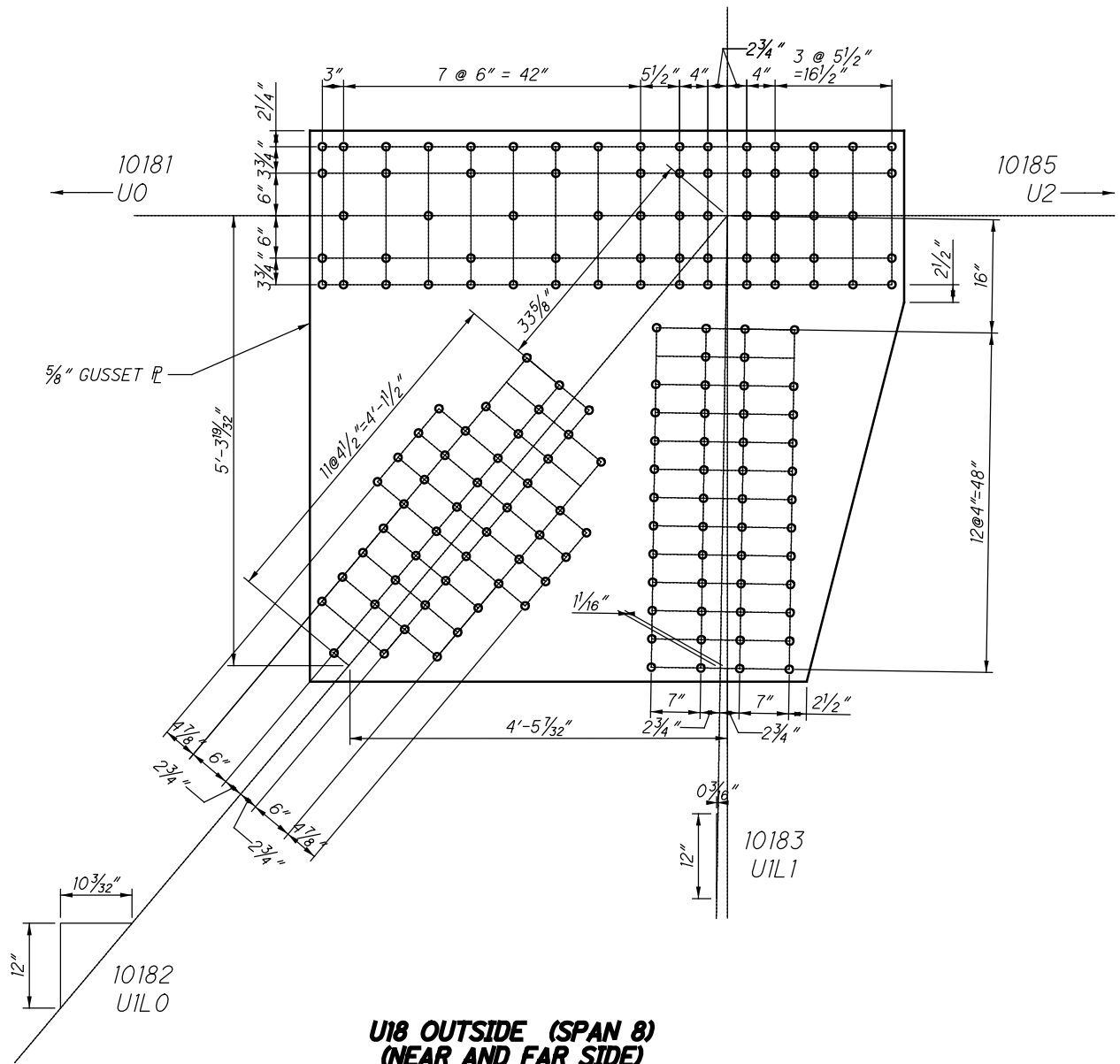
- $1 \frac{1}{16}$ " HOLES TYPICAL
- $1 \frac{3}{16}$ " HOLES TYPICAL

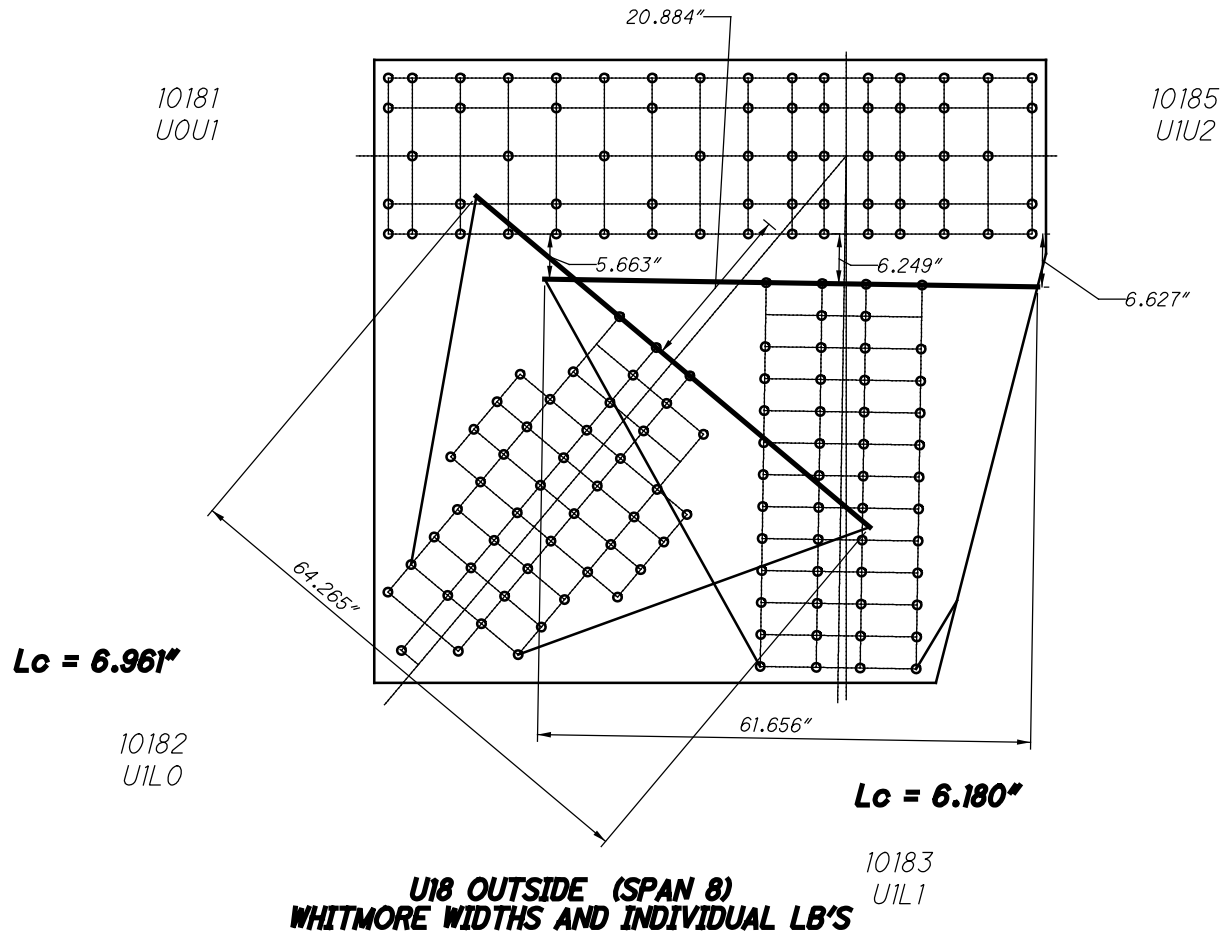
NOTES:

ALL EDGE DISTANCES ARE $1 \frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

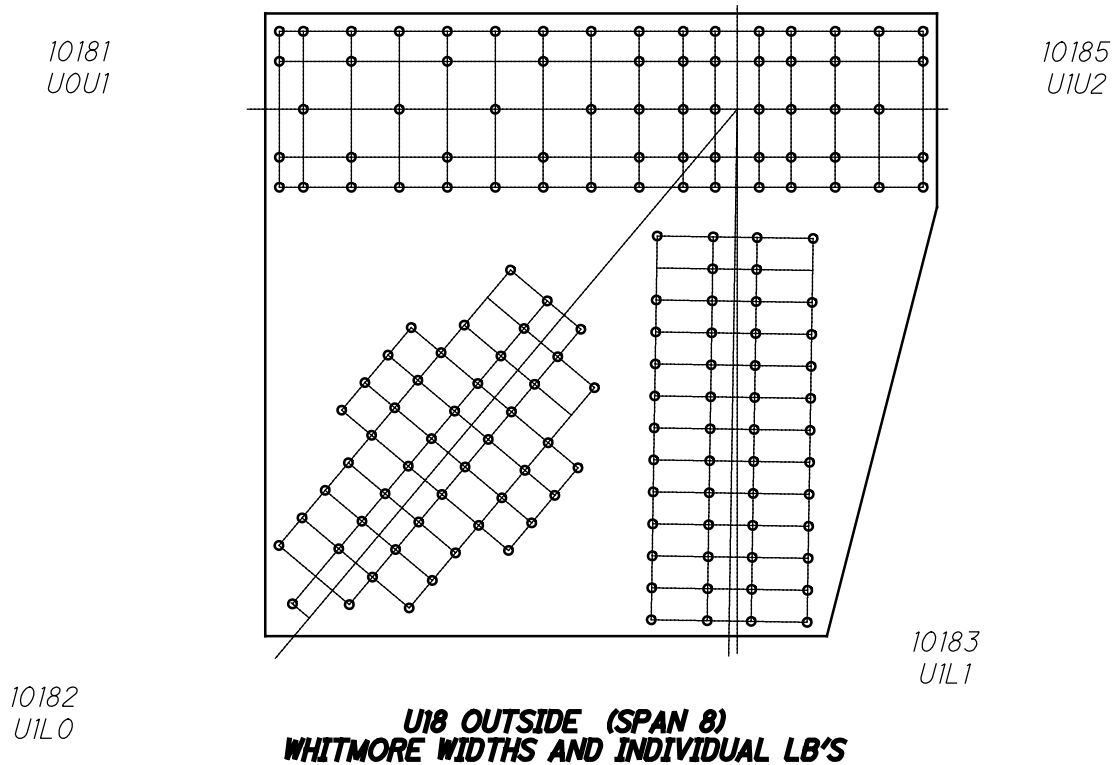
SPLICE PLATES ARE NOT SHOWN.

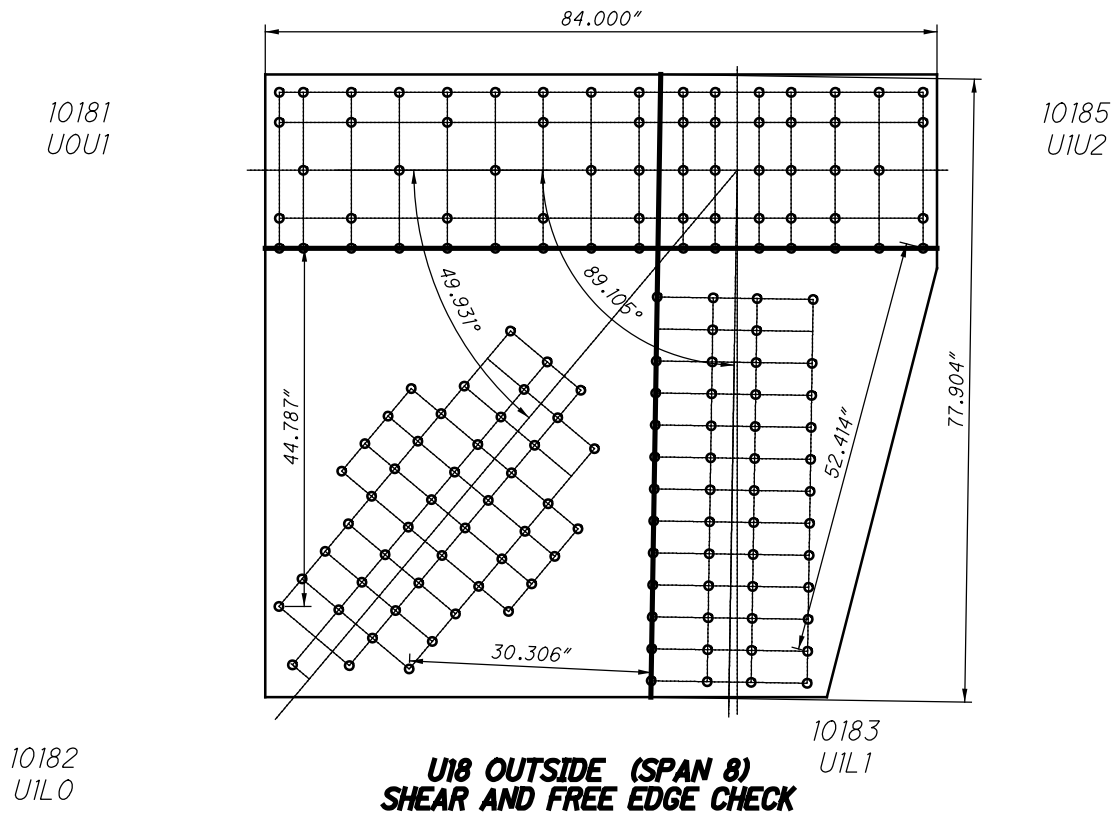
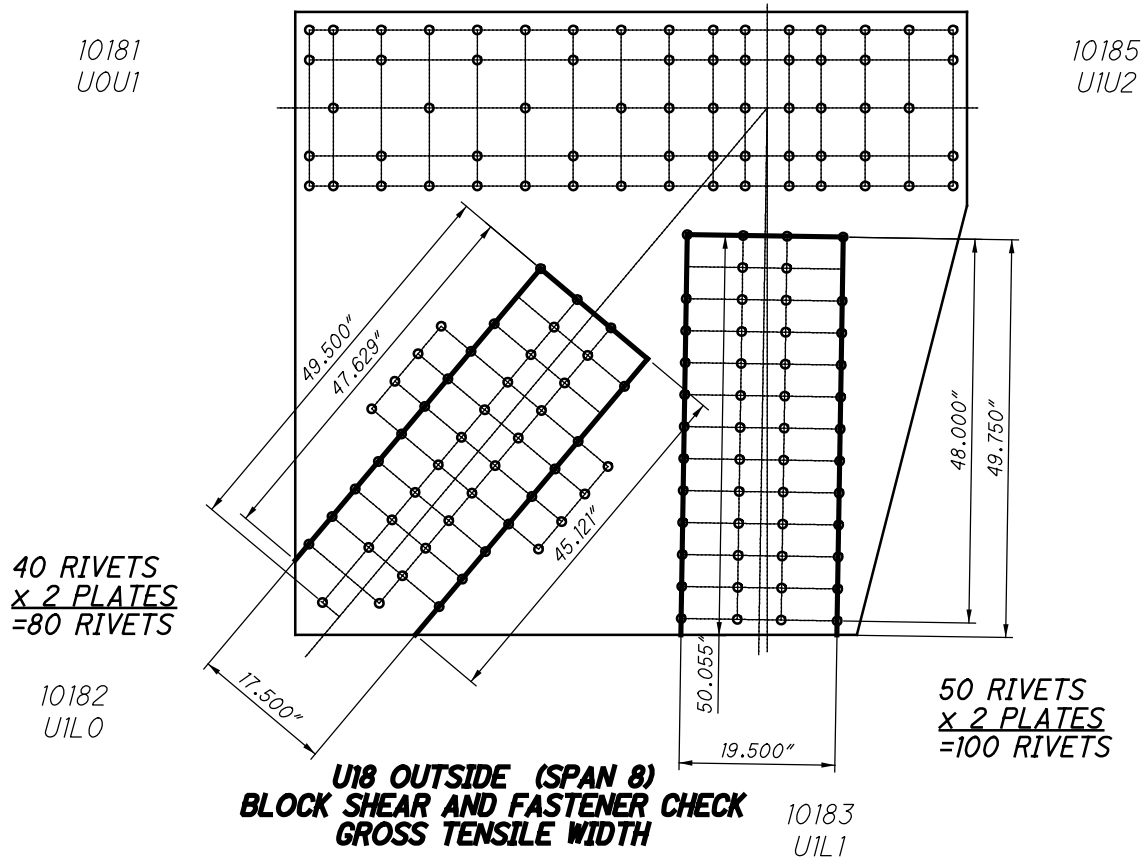
ALL GUSSET PLATES ARE COPPER
BEARING SILICON STEEL

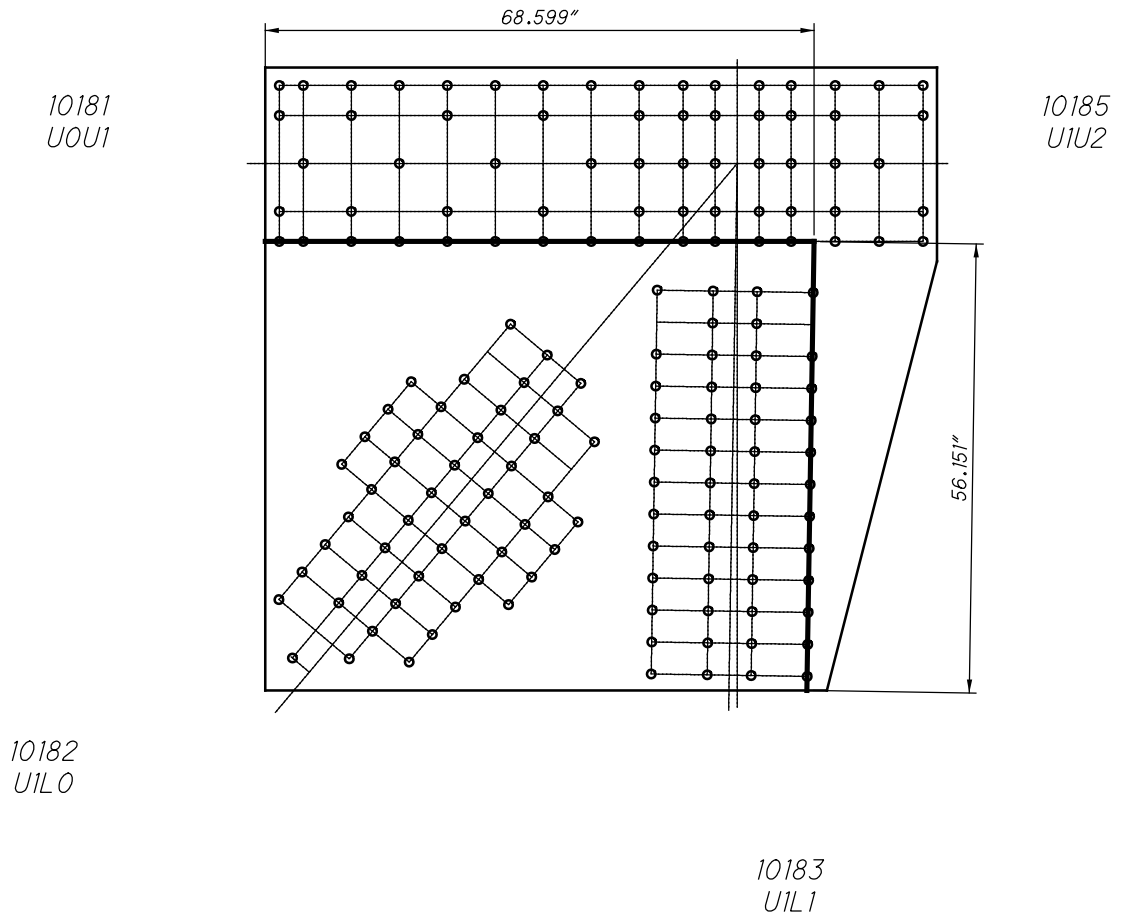




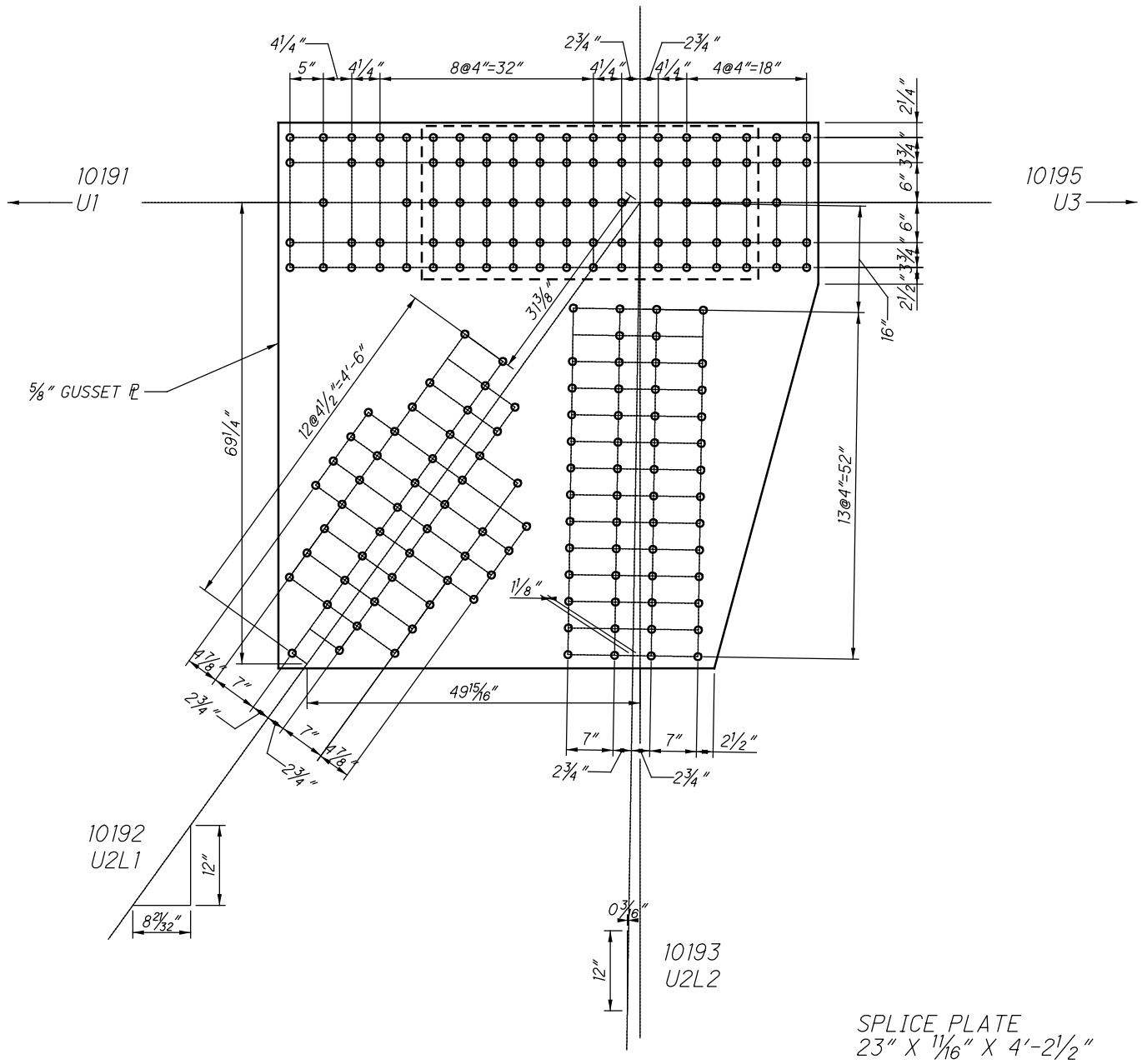
CHORD IS CONTINUOUS



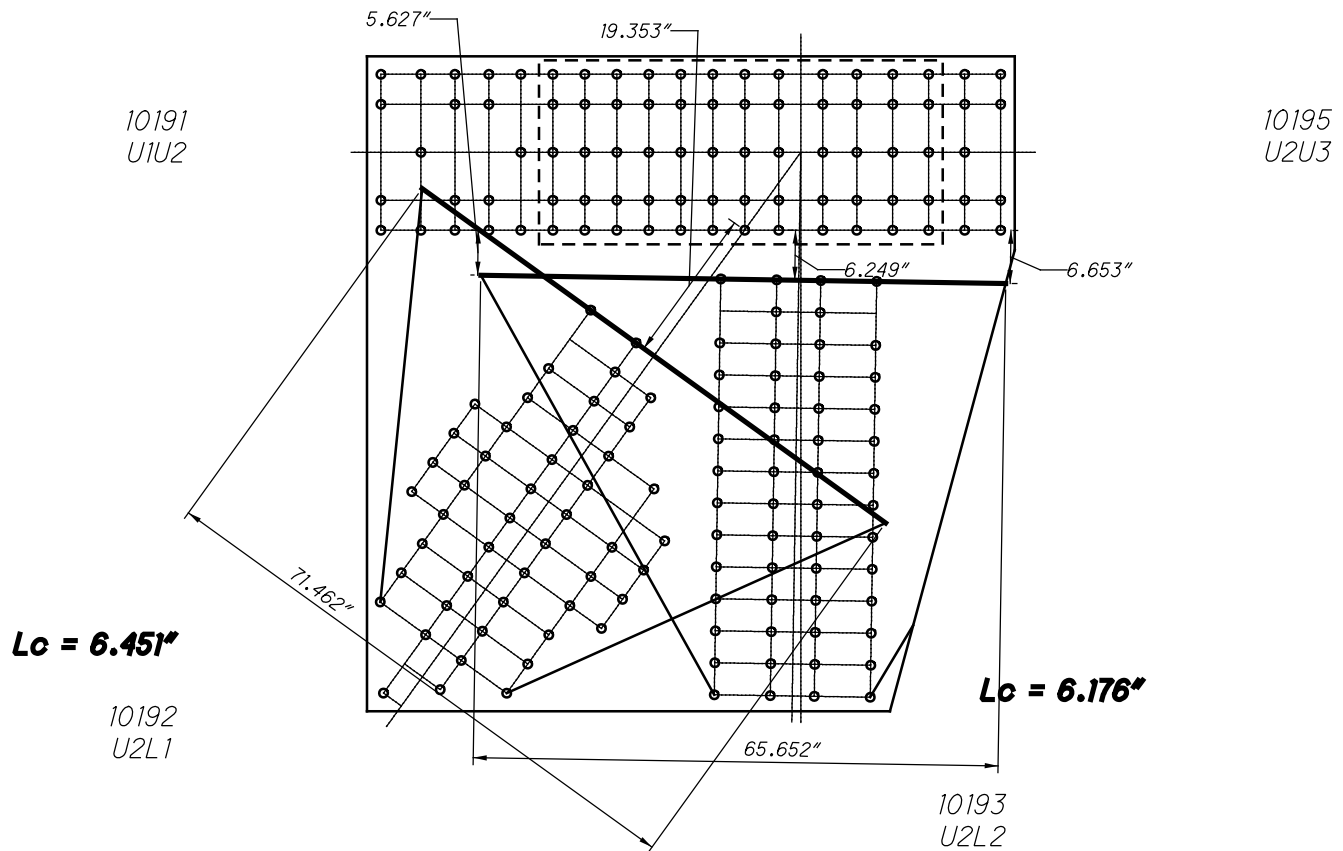




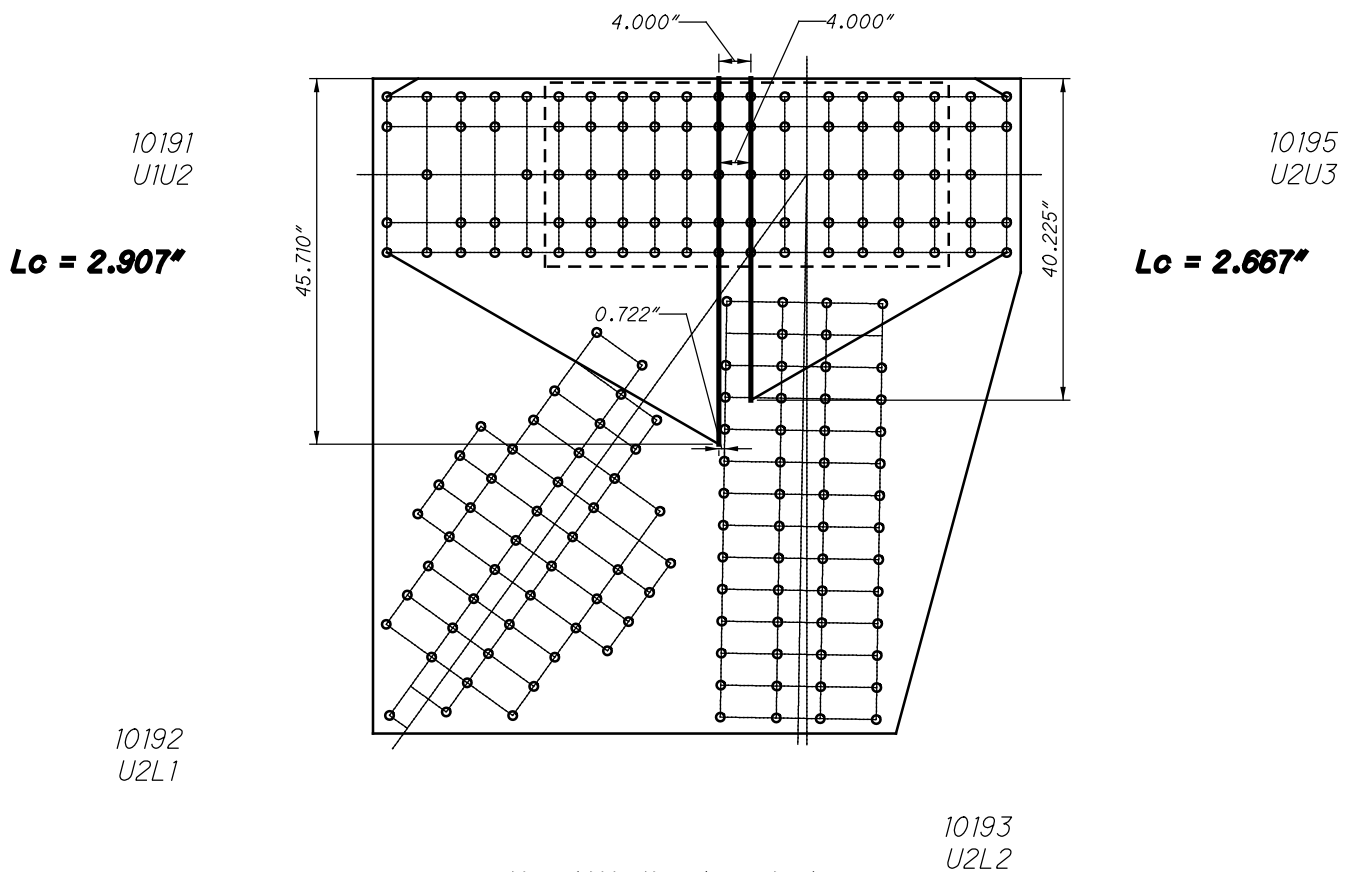
**UI8 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U19 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



**U19 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U19 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

48 RIVETS
x 2 PLATES
=96 RIVETS

10191
U1U2

30 SPLICE P
x 2 PLATES
=60 RIVETS

11019 AND 41019

39 RIVETS
x 2 PLATES
=78 RIVETS

10195
U2U3

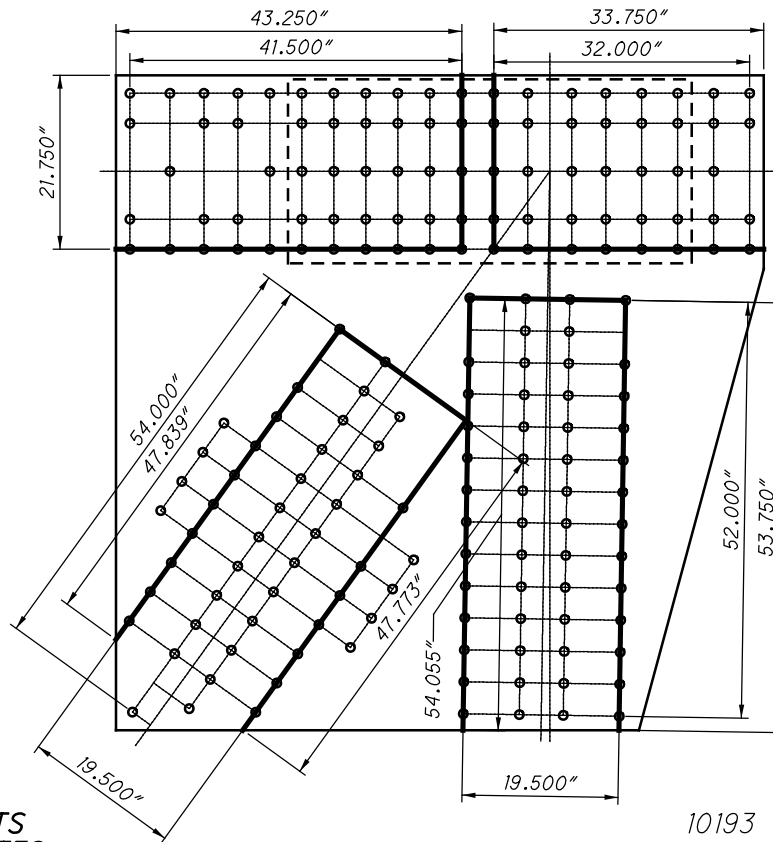
30 SPLICE P
x 2 PLATES
=60 RIVETS

10192
U2L1

40 RIVETS
x 2 PLATES
=80 RIVETS

10193
U2L2

54 RIVETS
x 2 PLATES
=108 RIVETS



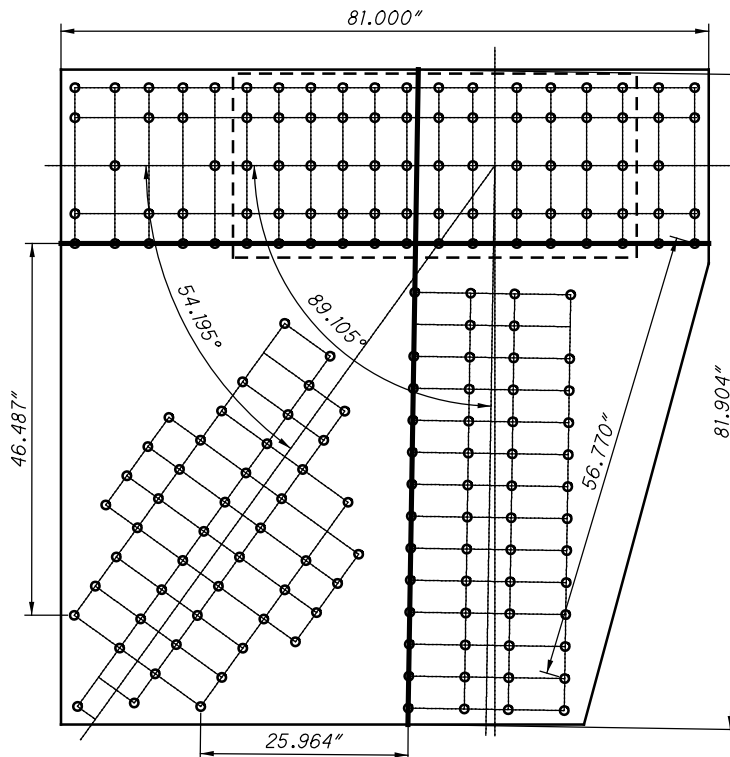
**U19 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10191
U1U2

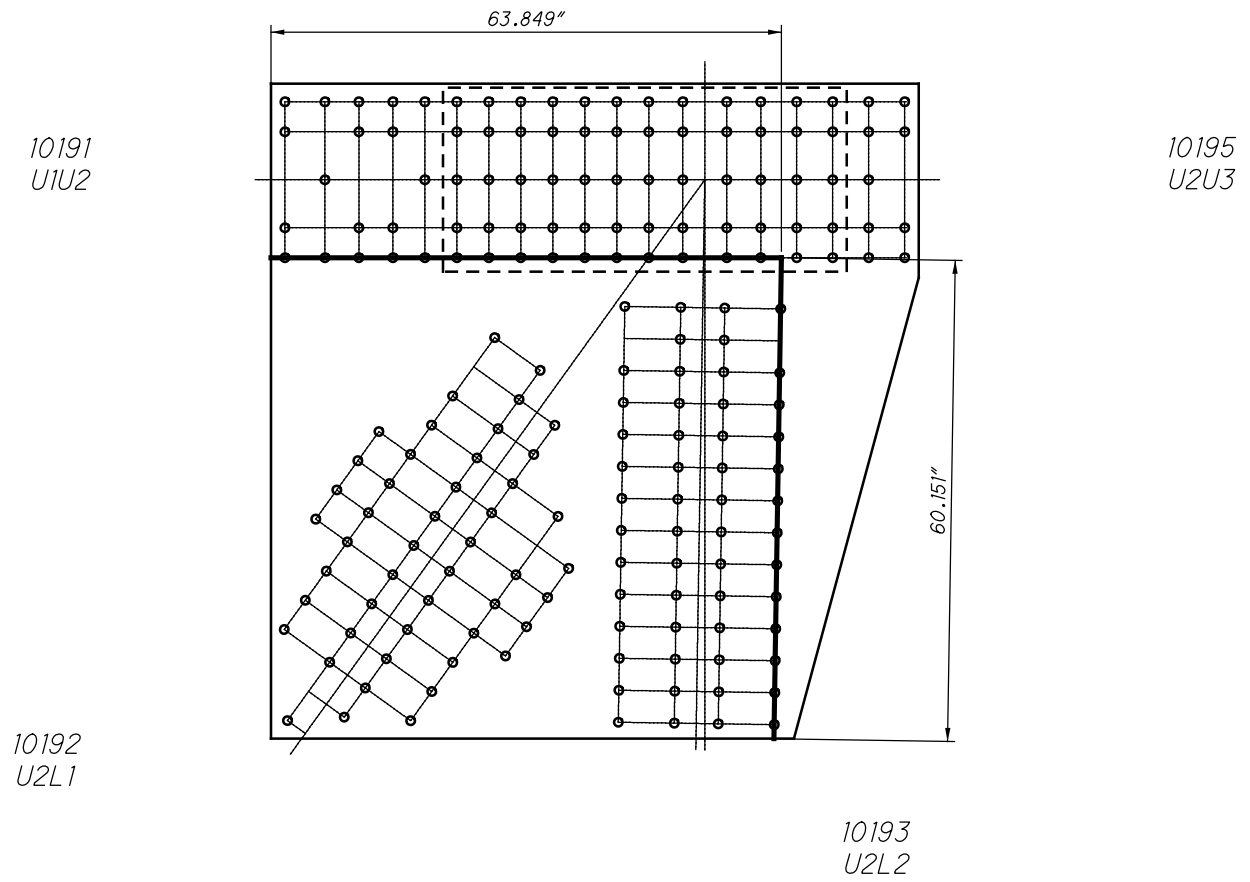
10195
U2U3

10192
U2L1

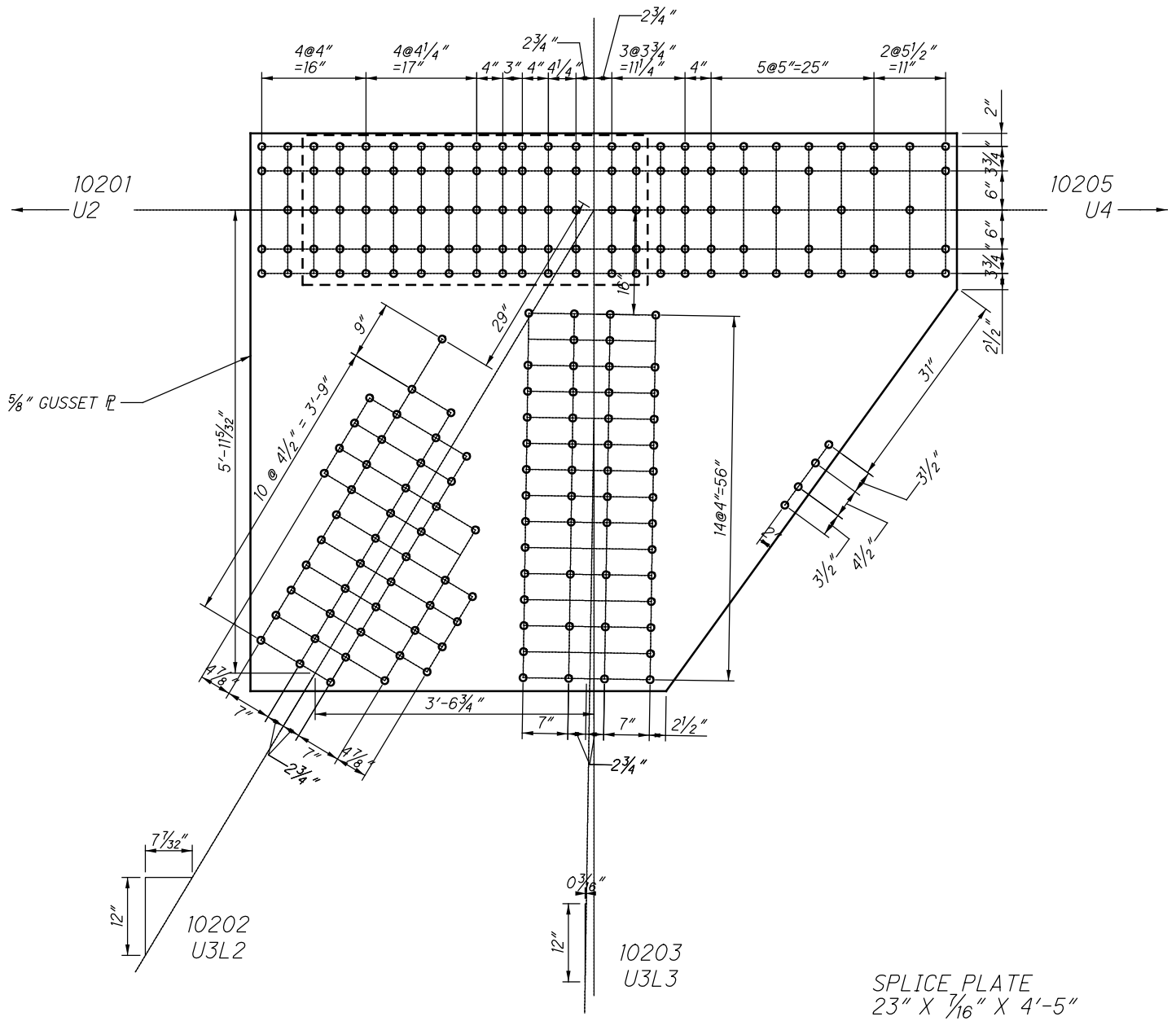
10193
U2L2



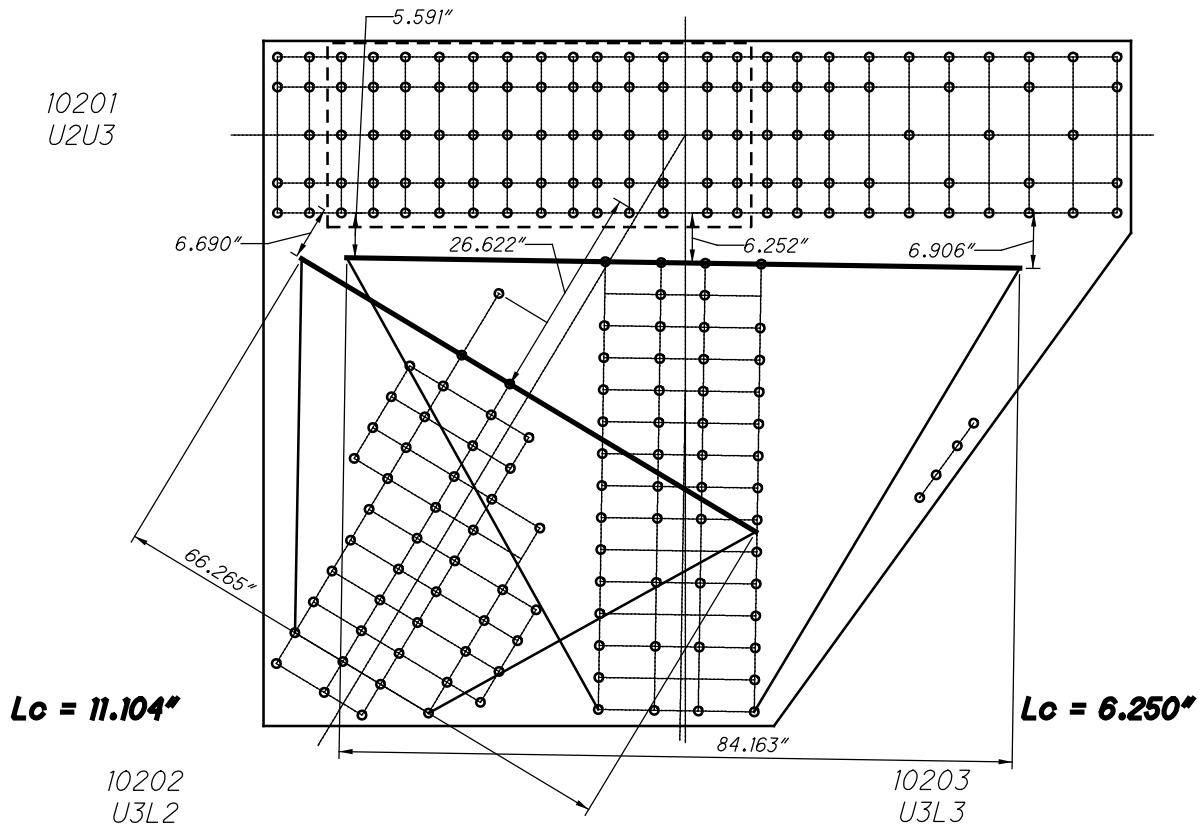
**U19 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



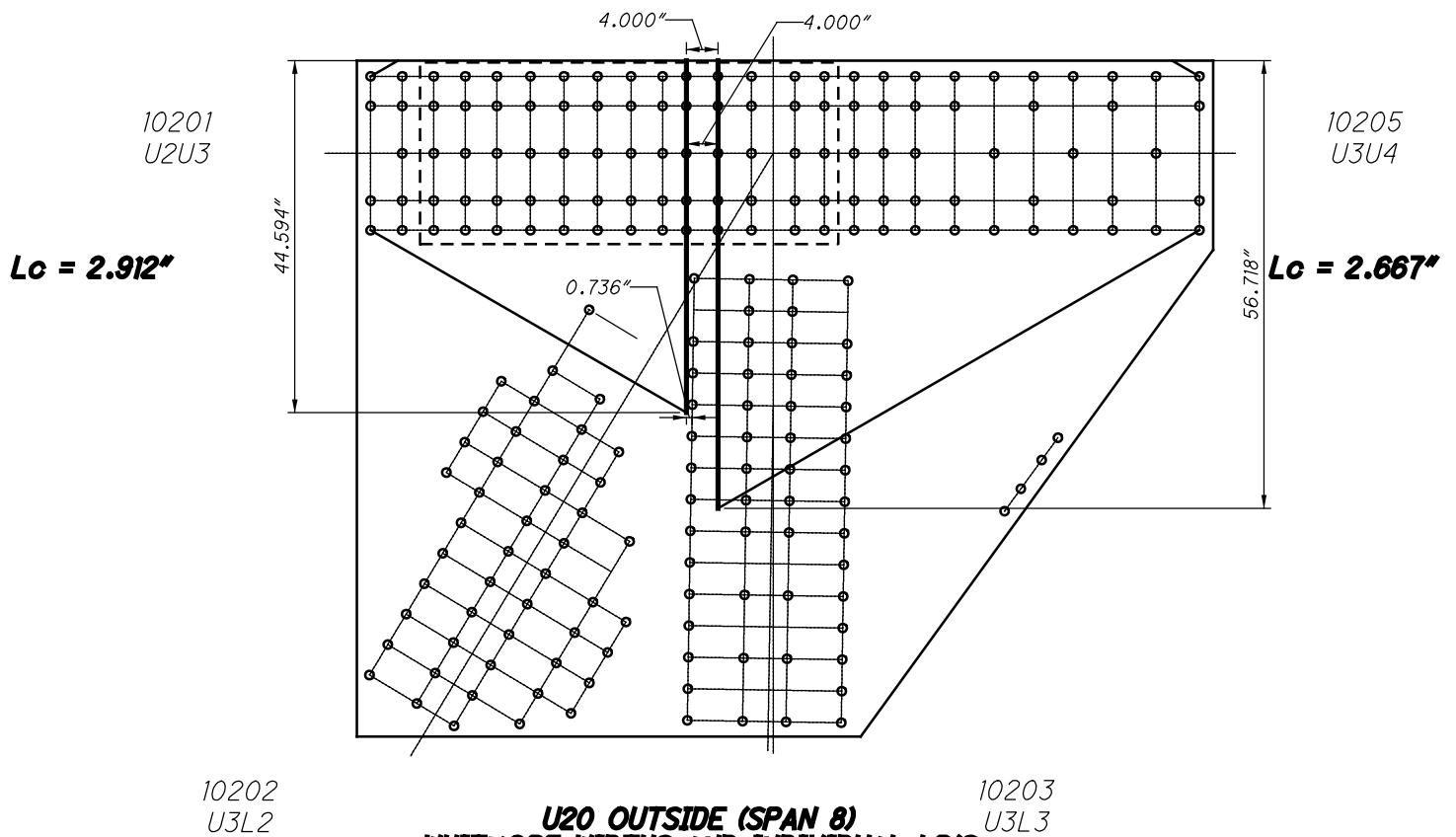
**U19 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U20 OUTSIDE (SPAN 8)
(NEAR AND FAR)**



**U20 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U20 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

54 RIVETS
x 2 PLATES
=108 RIVETS

10201
U2U3

45 SPLICE P
x 2 PLATES
=90 RIVETS

60 RIVETS
x 2 PLATES
=120 RIVETS

10205
U3U4

20 SPLICE P
x 2 PLATES
=40 RIVETS

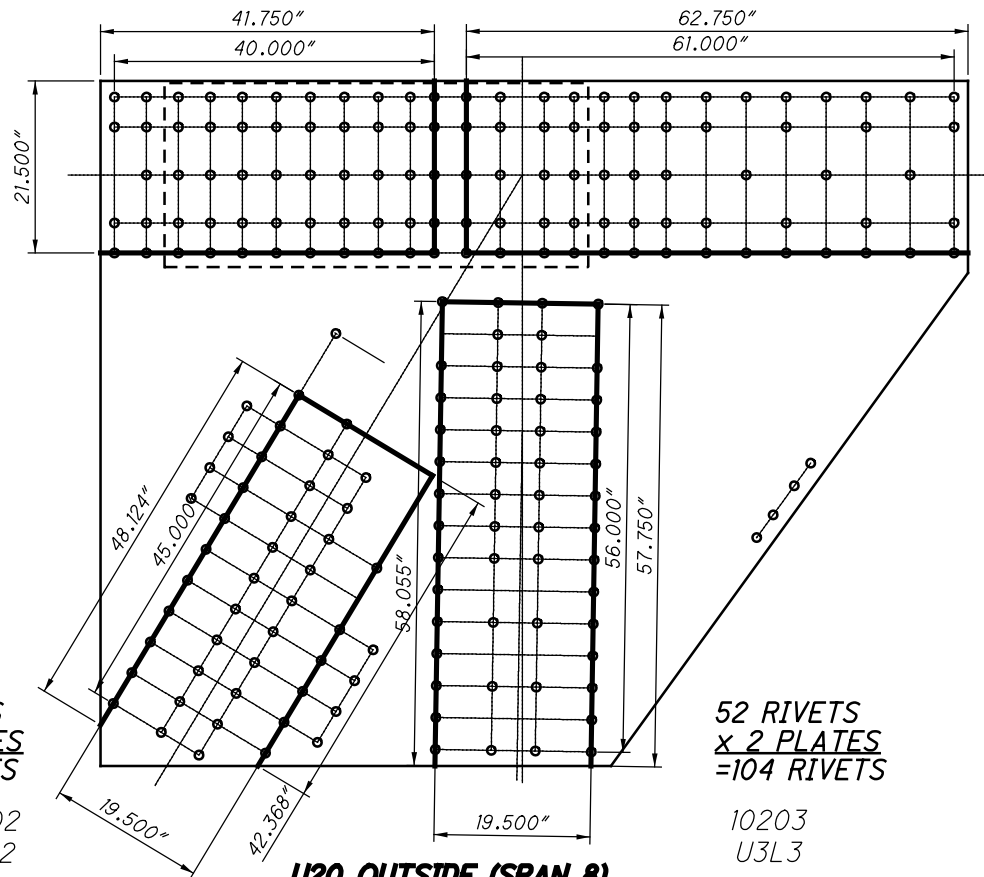
38 RIVETS
x 2 PLATES
=76 RIVETS

10202
U3L2

52 RIVETS
x 2 PLATES
=104 RIVETS

10203
U3L3

**U20 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



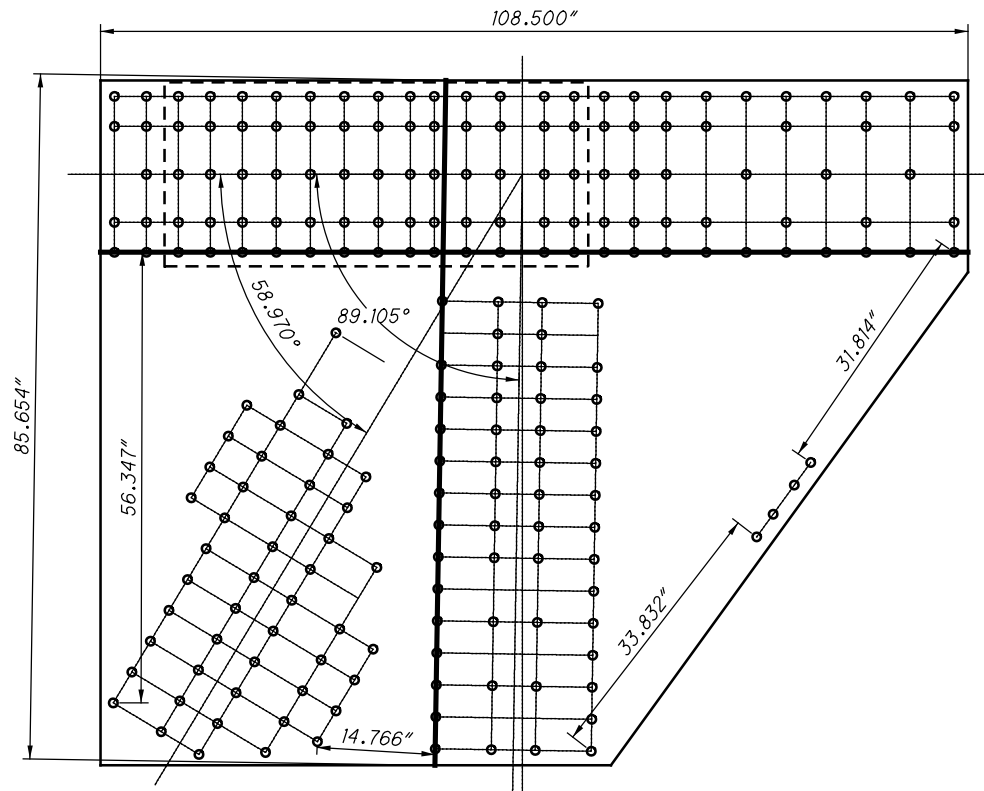
10201
U2U3

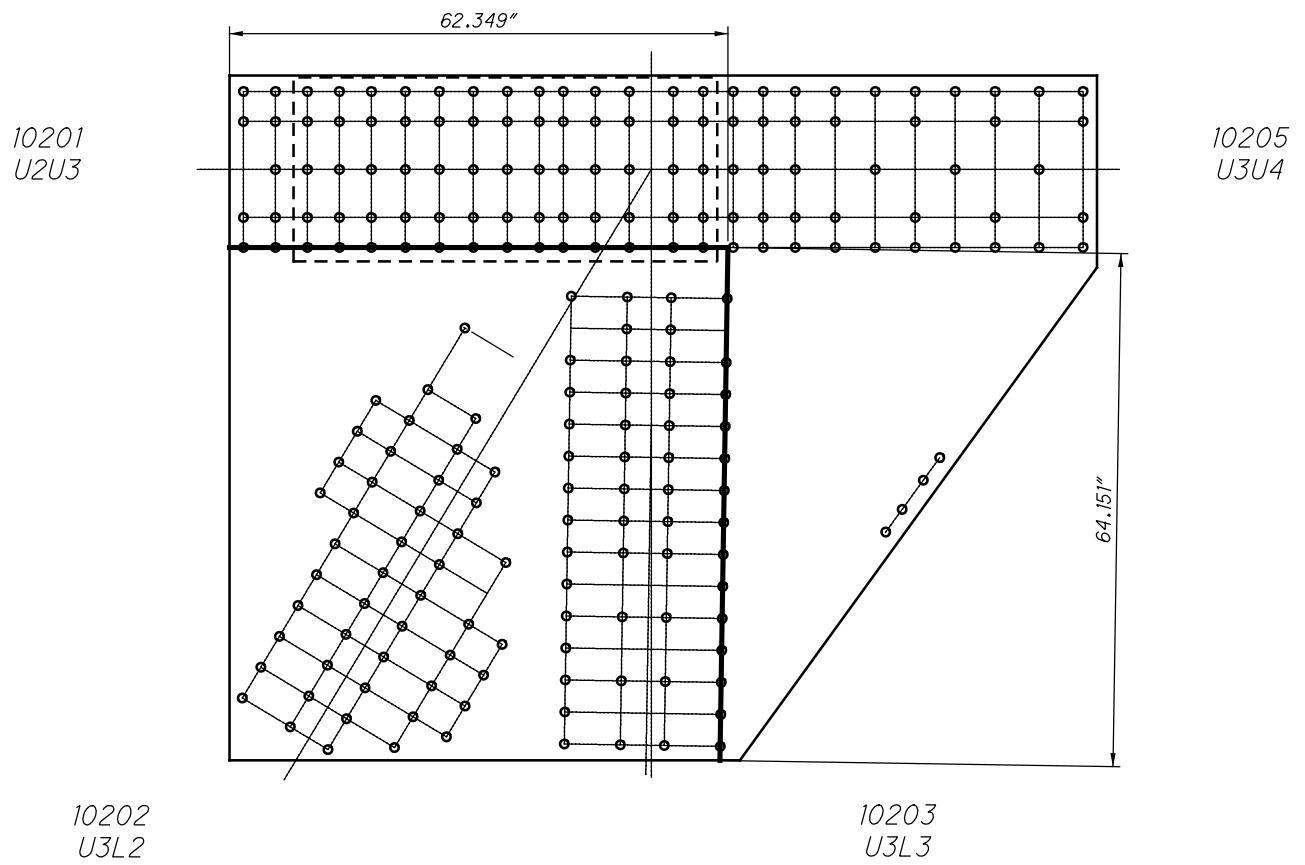
10205
U3U4

10202
U3L2

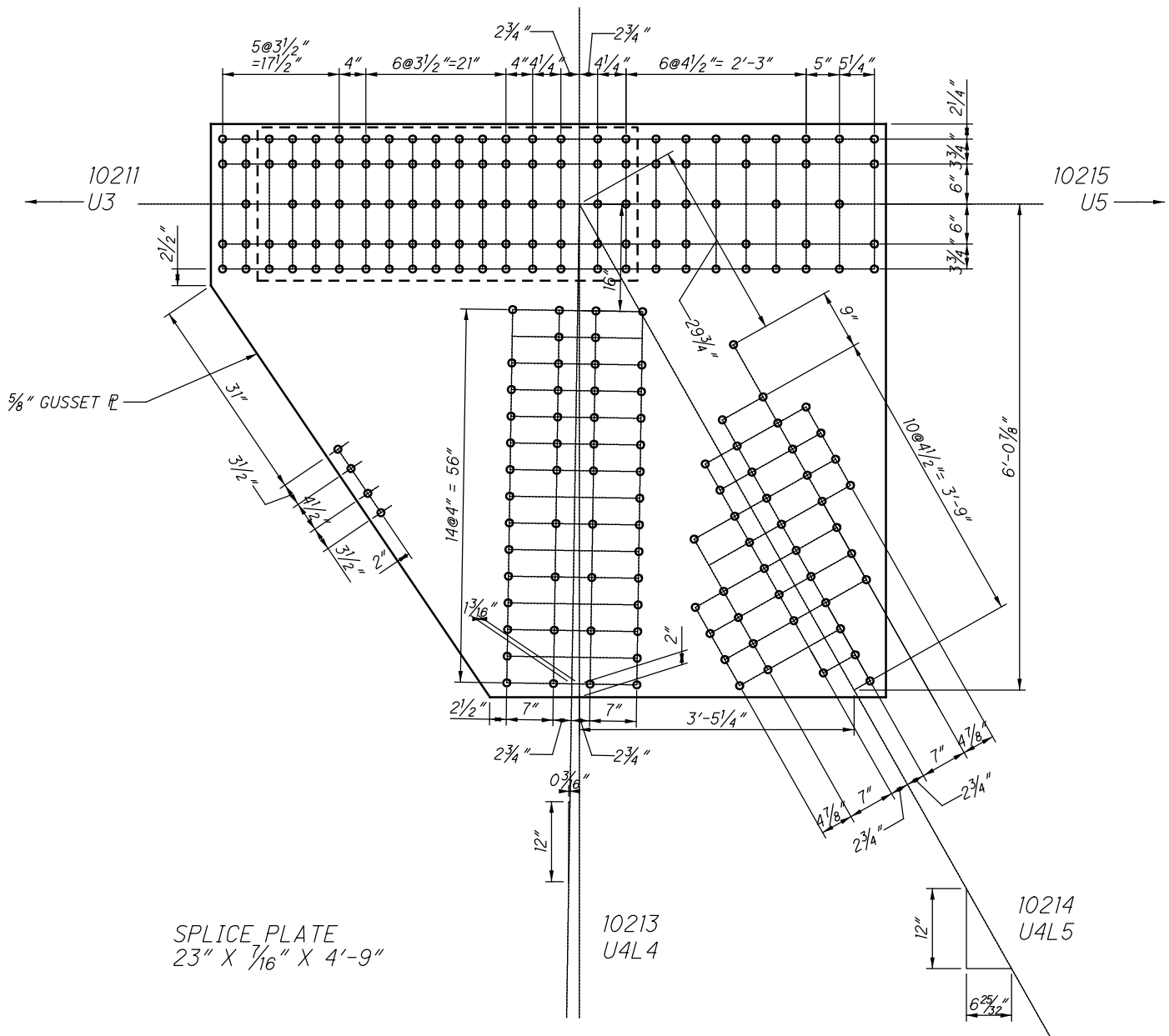
10203
U3L3

**U20 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

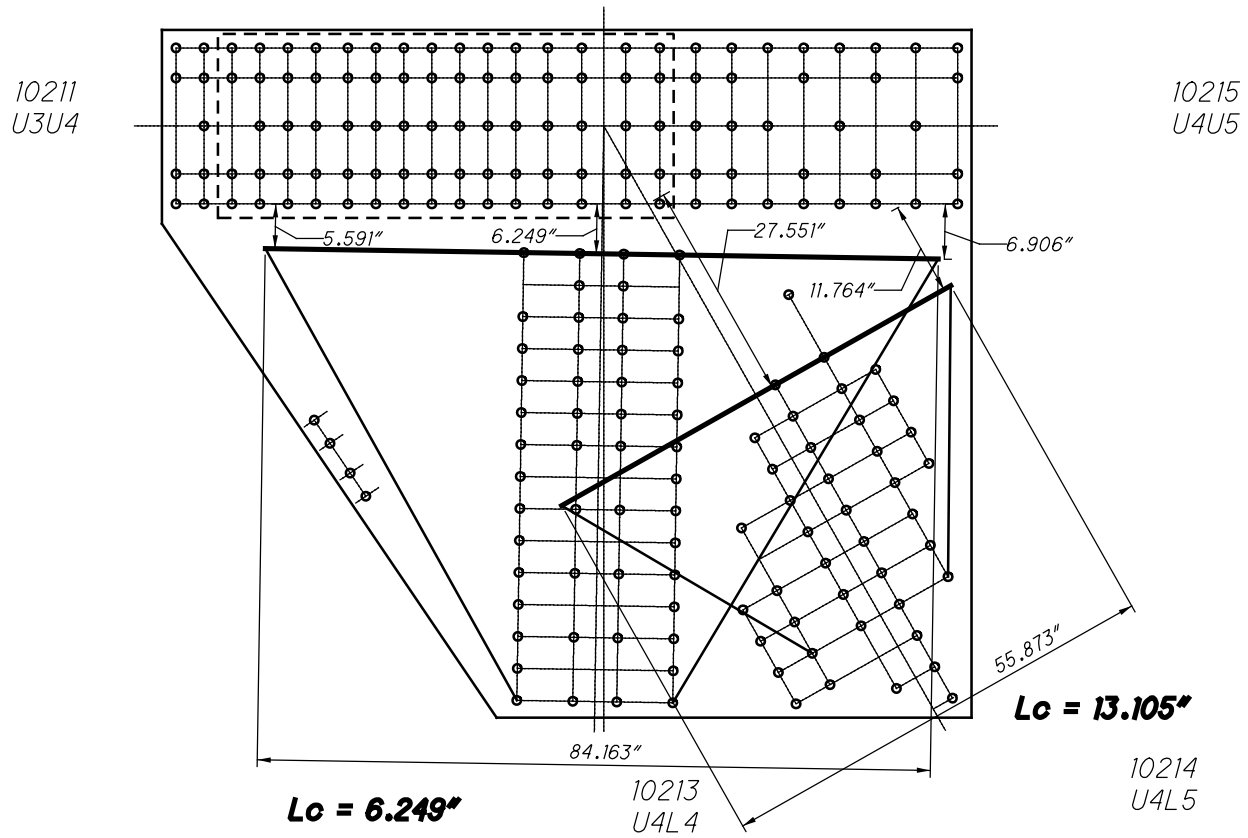




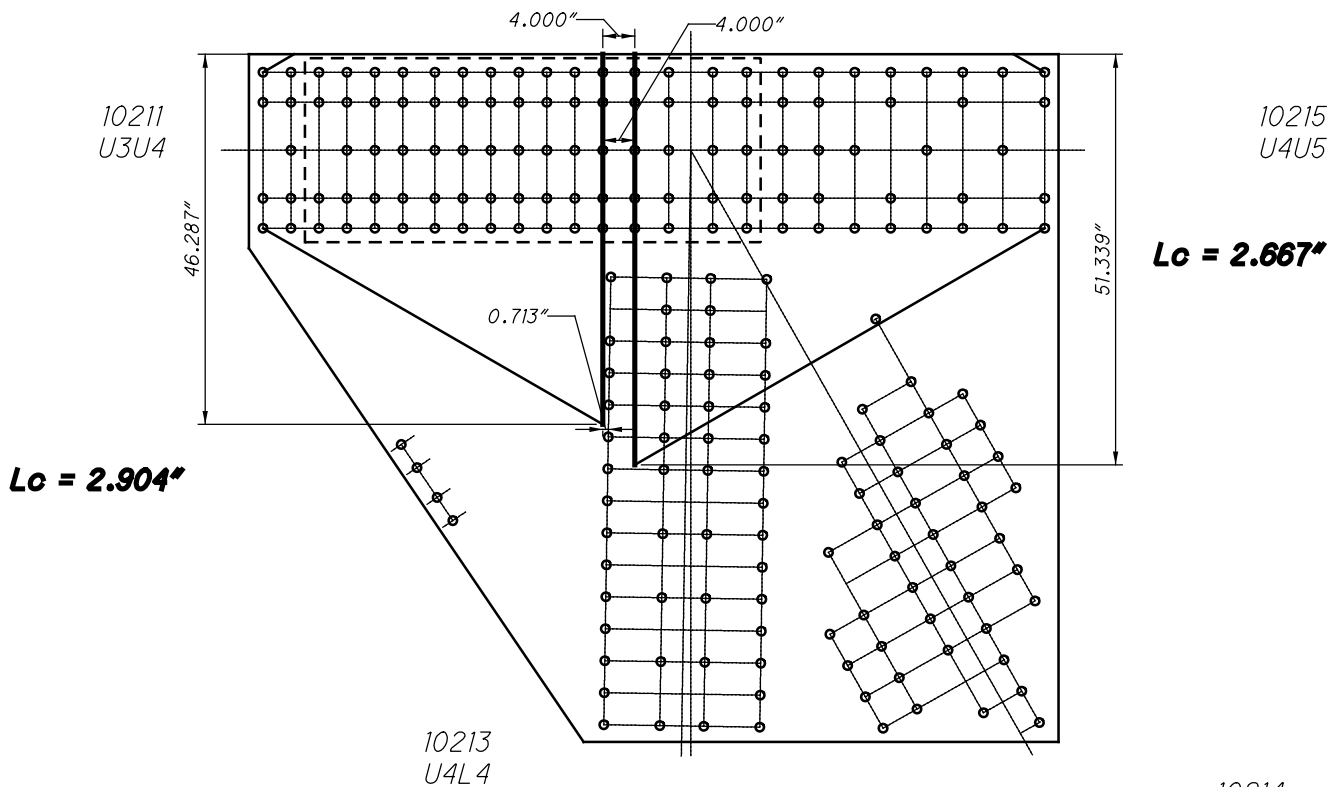
**U20 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U21 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



**U21 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U21 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11021 AND 41021

63 RIVETS
x 2 PLATES
=126 RIVETS

10211
U3U4

54 SPLICE P
x 2 PLATES
=108 RIVETS

51 RIVETS
x 2 PLATES
=102 RIVETS

10215
U4U5

20 SPLICE P
x 2 PLATES
=40 RIVETS

50 RIVETS
x 2 PLATES
=100 RIVETS

10213
U4L4

32 RIVETS
x 2 PLATES
=64 RIVETS

10214
U4L5

**U21 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

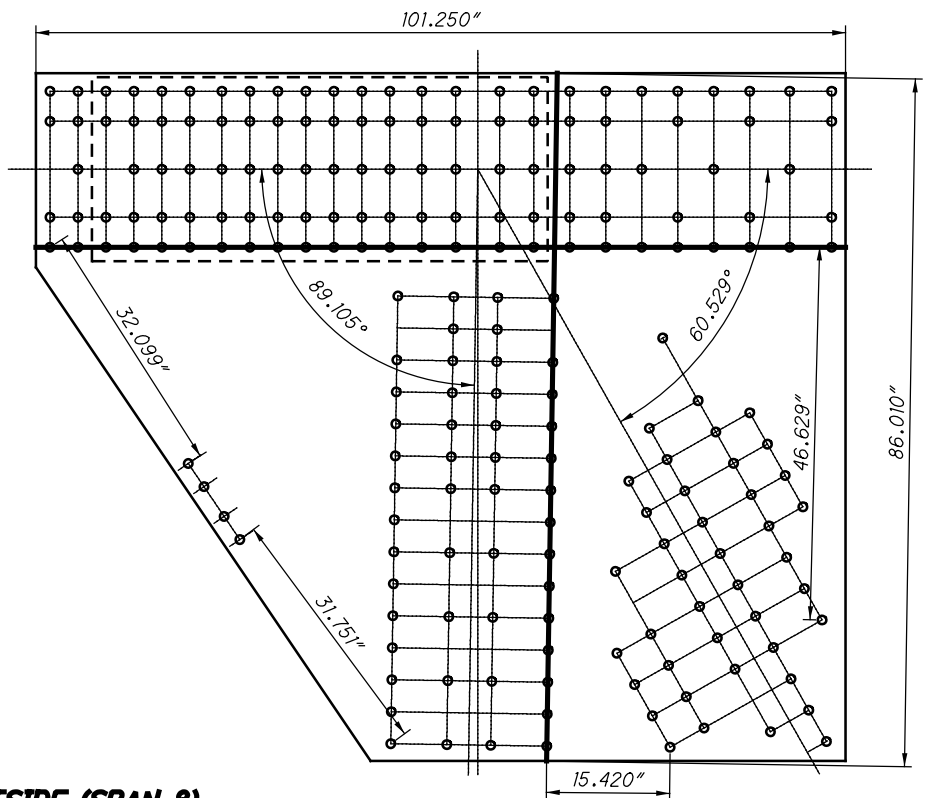
10211
U3U4

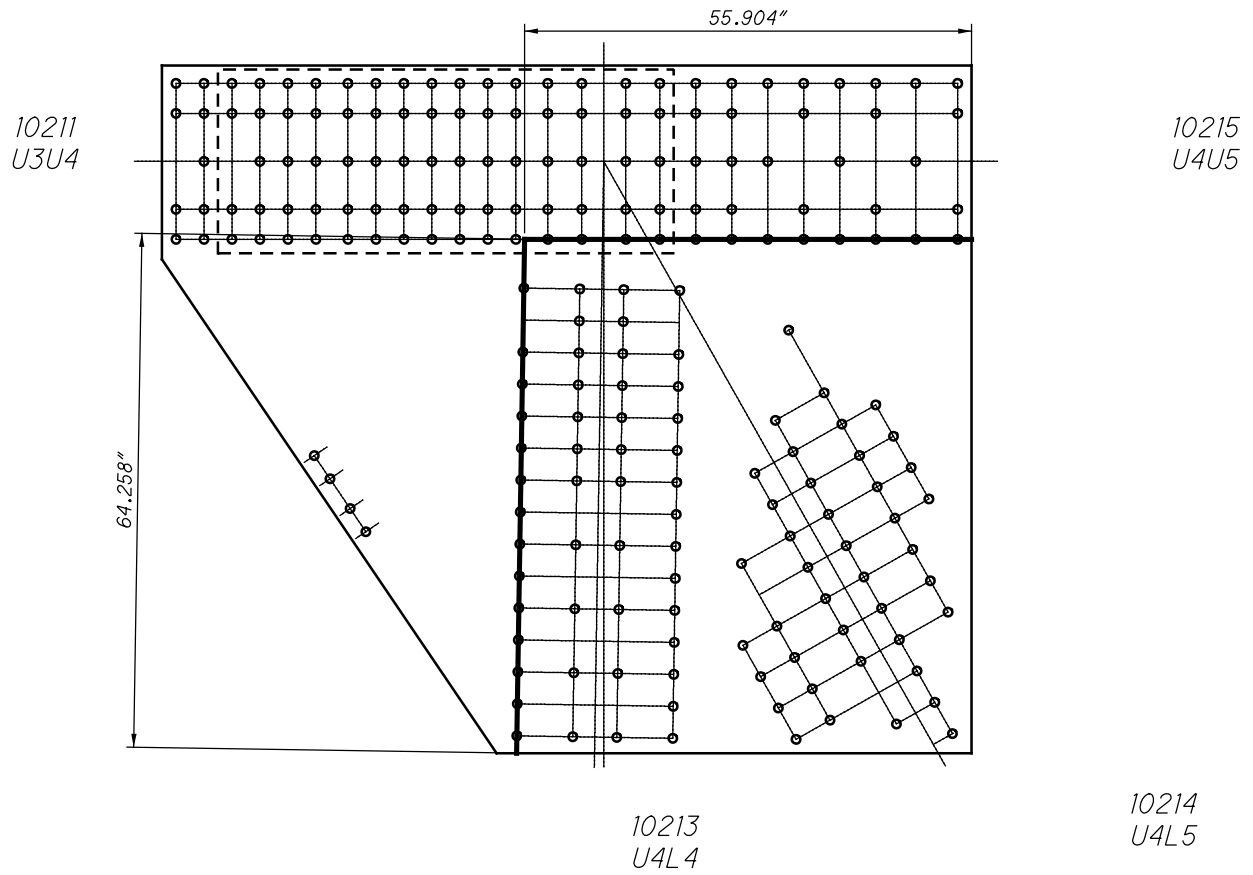
10215
U4U5

**U21 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

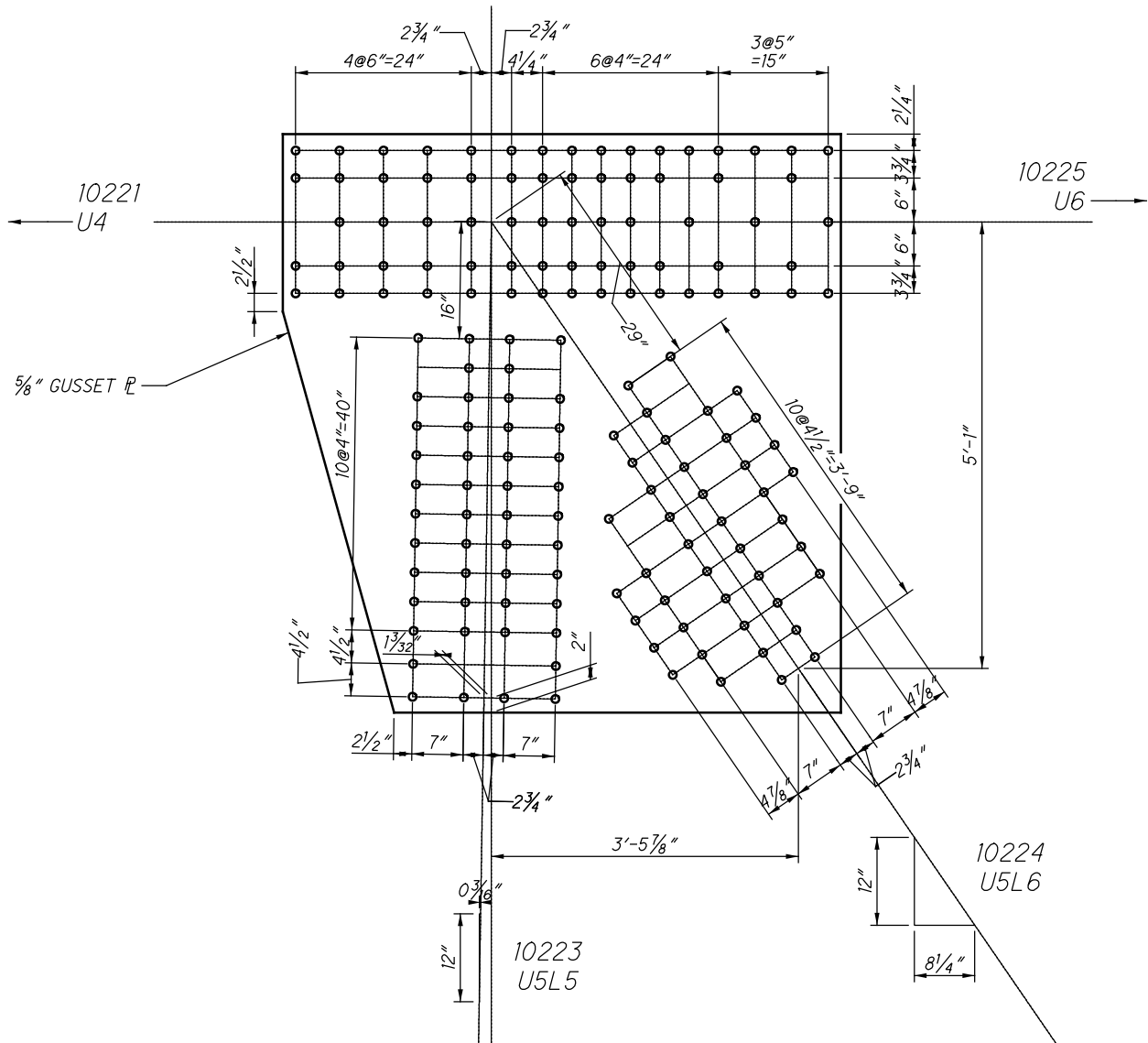
10213
U4L4

10214
U4L5





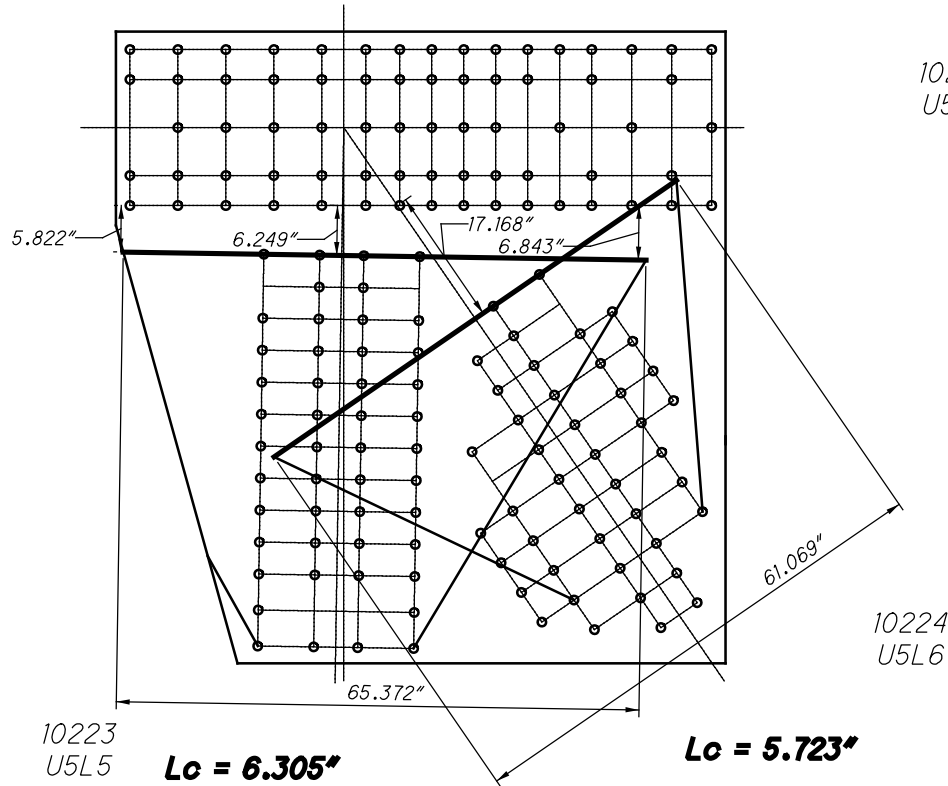
**U21 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U22 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

10221
U4U5

10225
U5U6



10224
U5L6

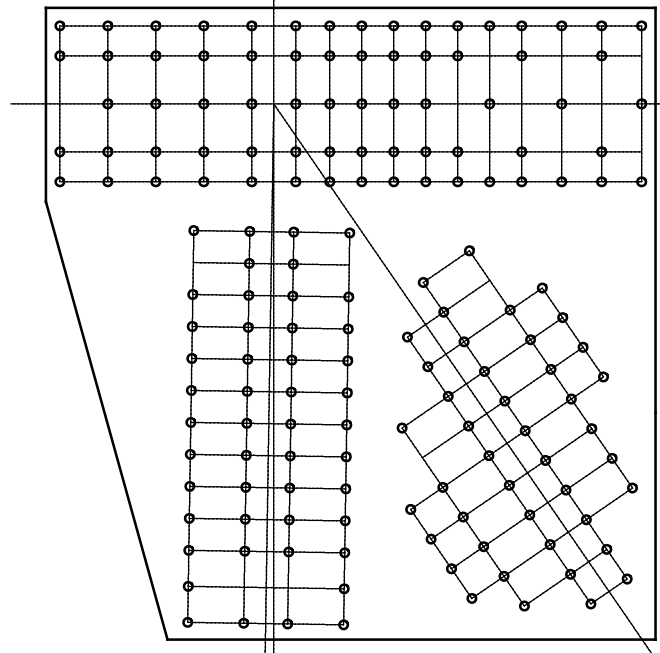
10223
U5L5

**U22 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10221
U4U5

10225
U5U6



10224
U5L6

10223
U5L5

**U22 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10221
U4U5

10225
U5U6

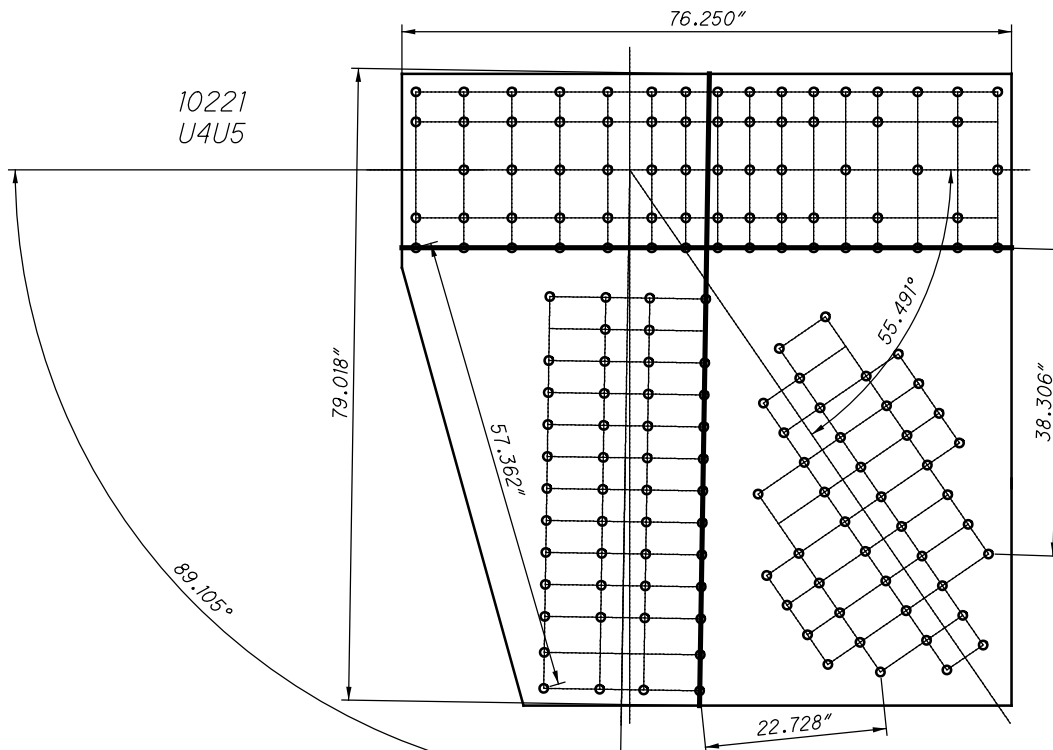
48 RIVETS
x 2 PLATES
=96 RIVETS

10223
U5L5

10224
U5L6

35 RIVETS
x 2 PLATES
=70 RIVETS

**U22 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



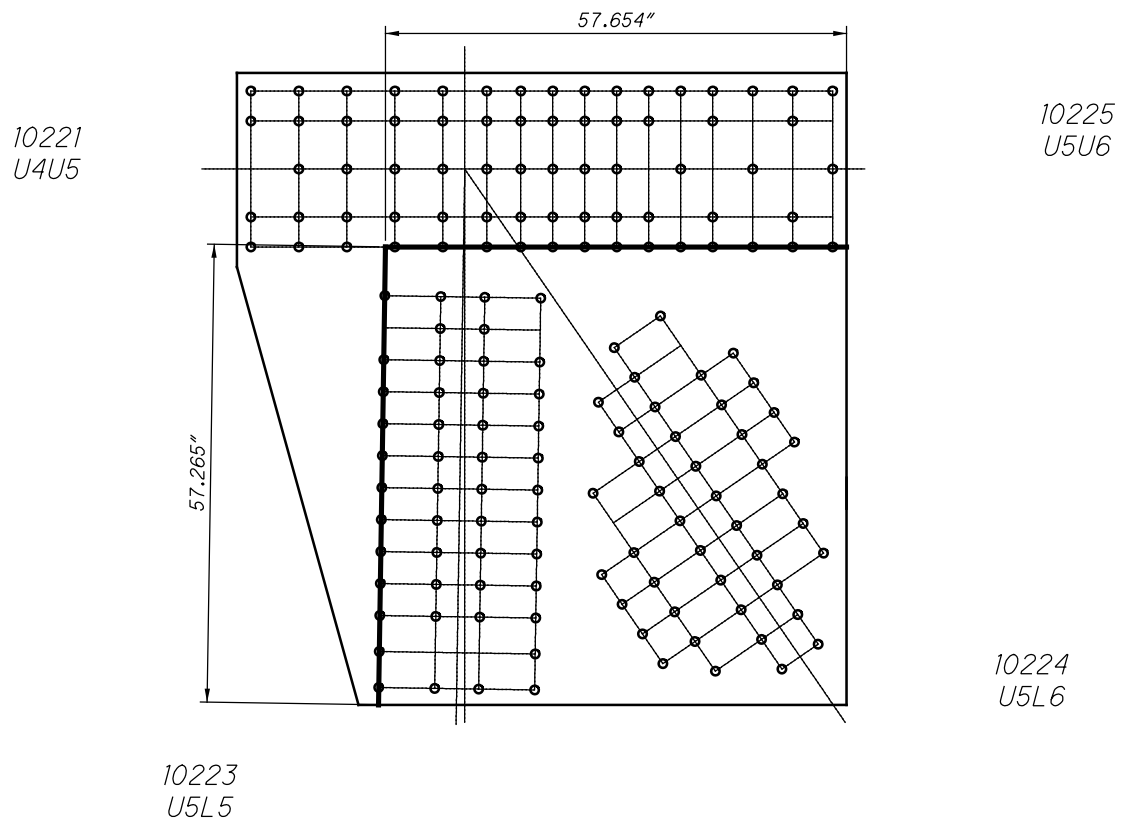
10221
U4U5

10225
U5U6

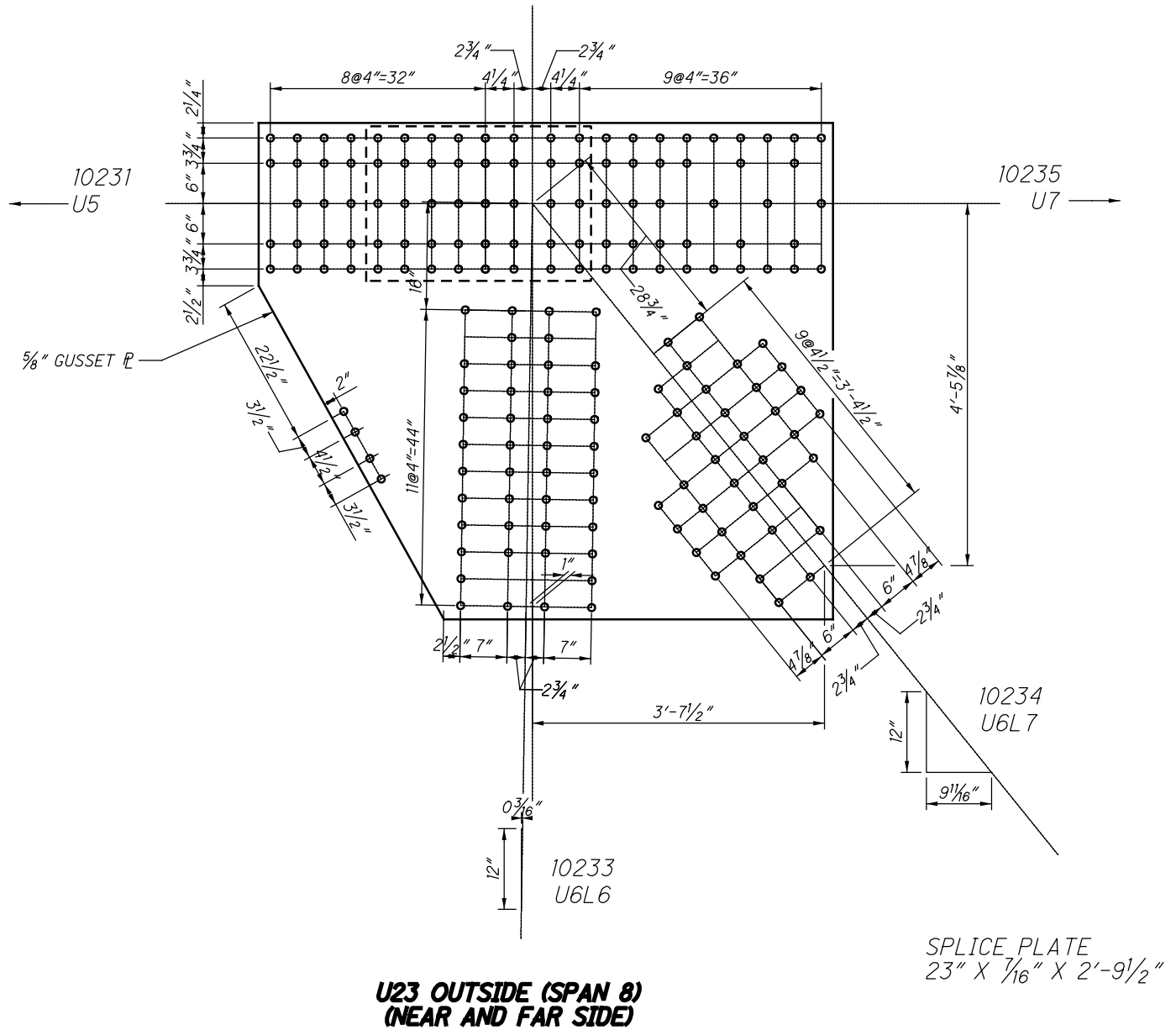
10223
U5L5

10224
U5L6

**U22 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

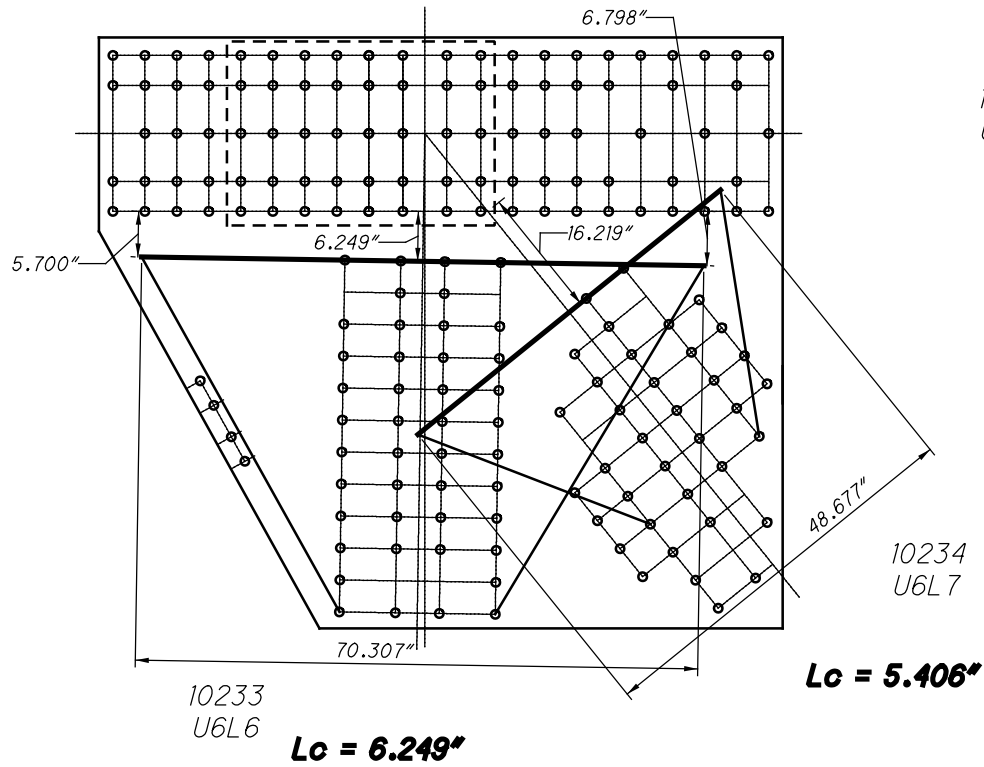


**U22 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



10231
U5U6

10235
U6U7

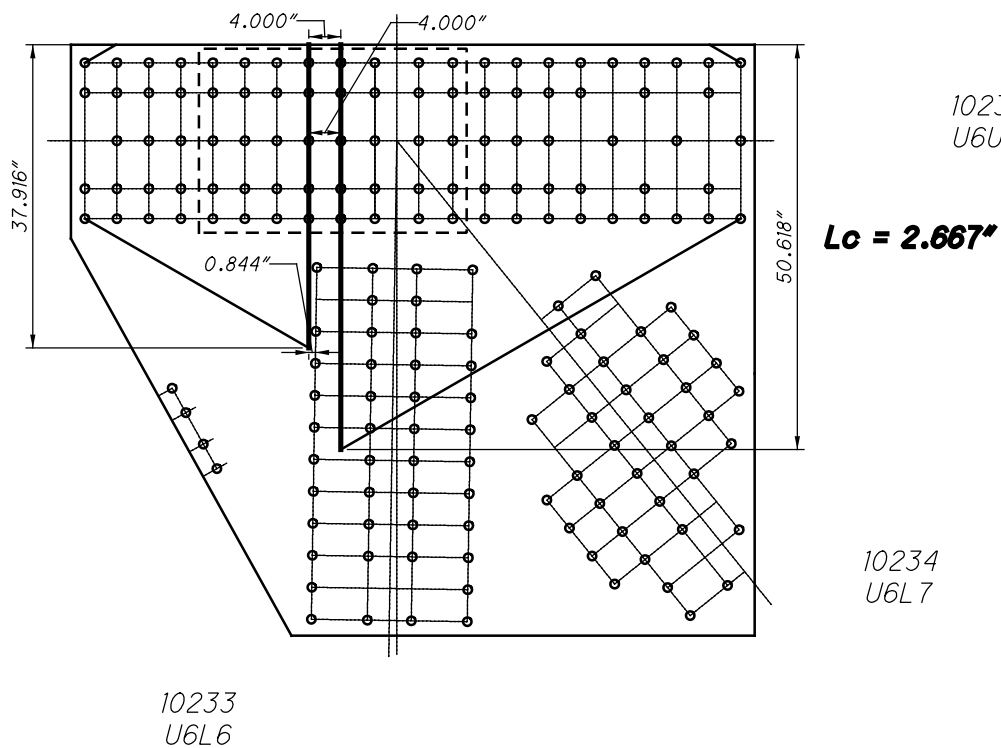


**U23 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

Lc = 2.948"

10231
U5U6

10235
U6U7

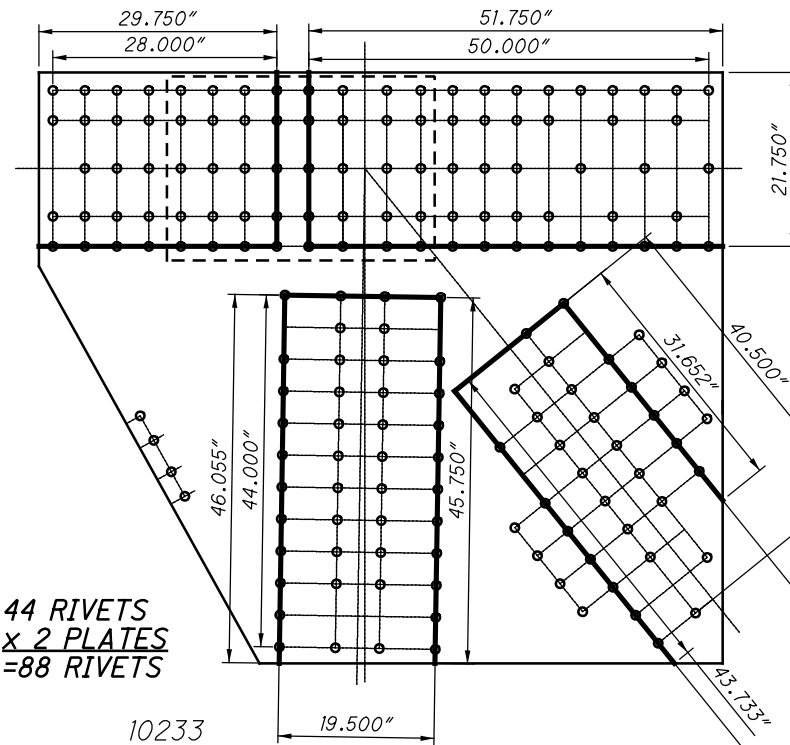


**U23 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

39 RIVETS
x 2 PLATES
=78 RIVETS

10231
U5U6

20 SPLICE P
x 2 PLATES
=40 RIVETS



56 RIVETS
x 2 PLATES
=112 RIVETS

10235
U6U7

20 SPLICE P
x 2 PLATES
=40 RIVETS

44 RIVETS
x 2 PLATES
=88 RIVETS

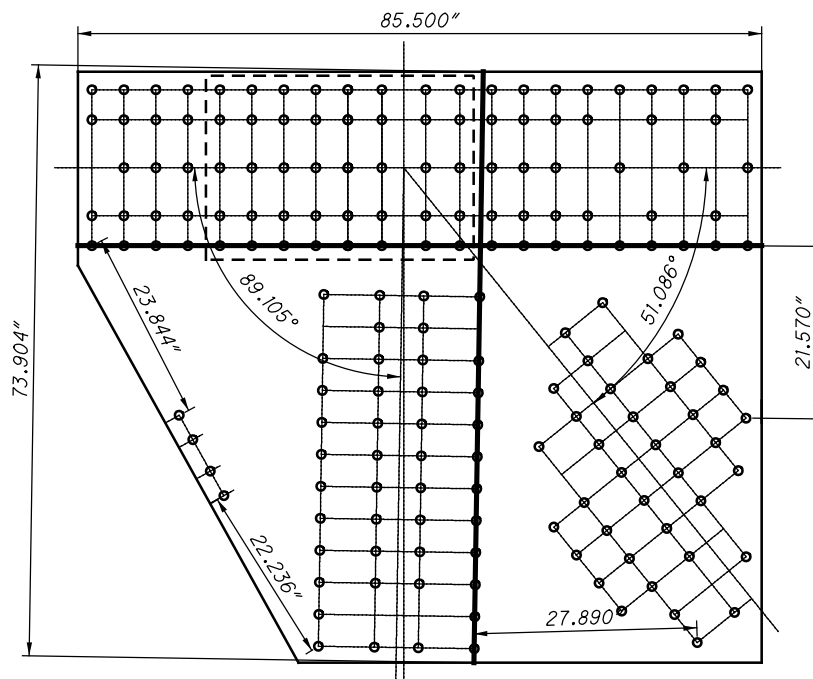
10233
U6L6

10234
U6L7

29 RIVETS
x 2 PLATES
=58 RIVETS

**U23 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10231
U5U6

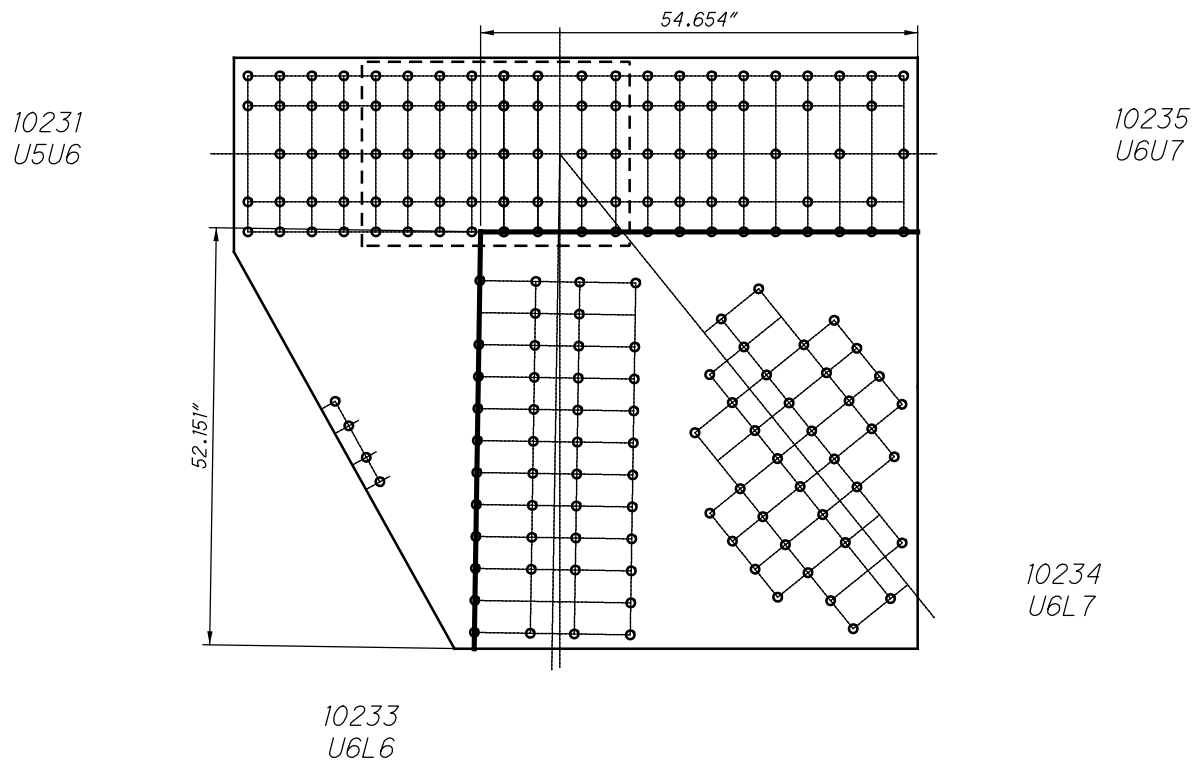


10235
U6U7

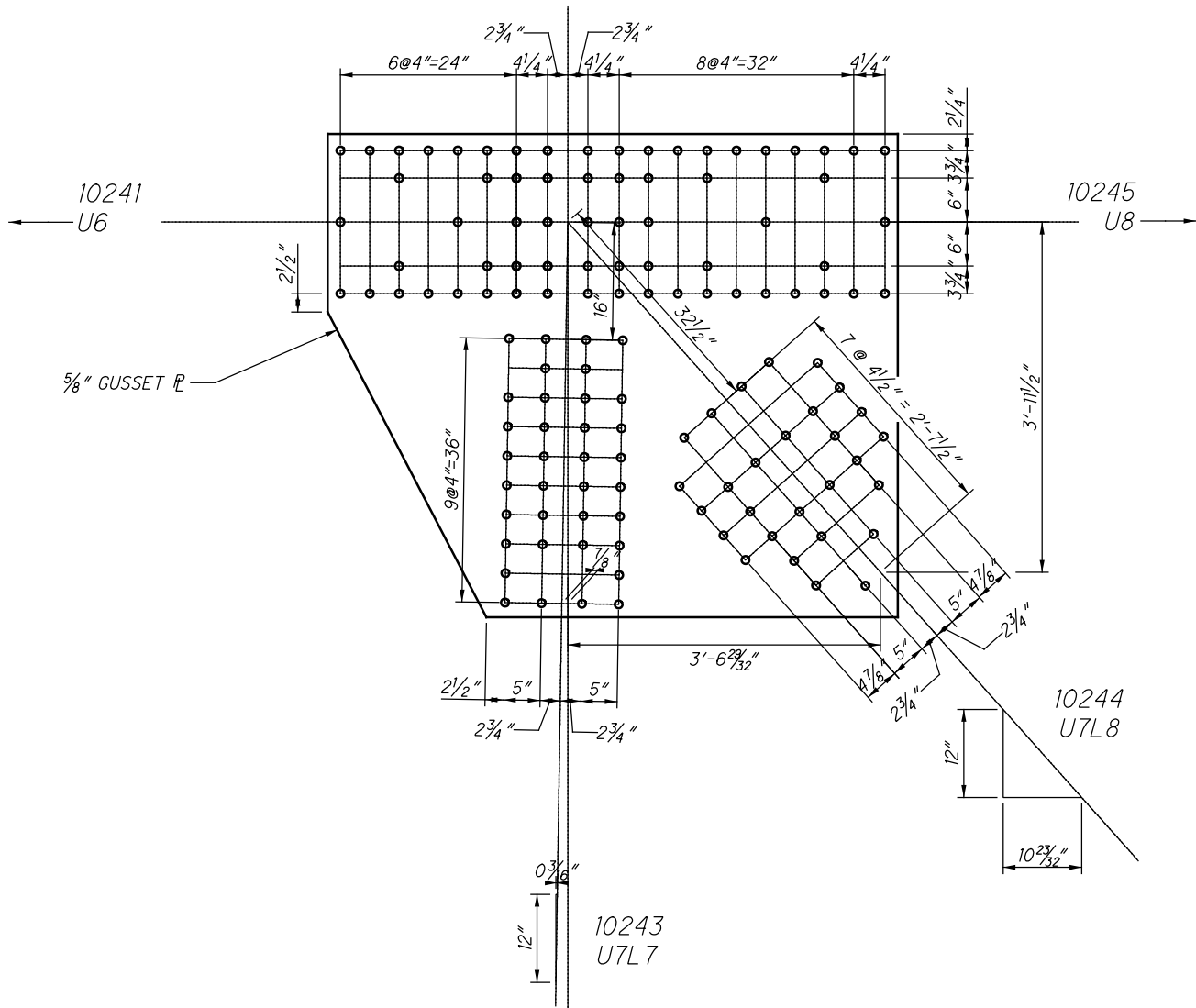
10234
U6L7

10233
U6L6

**U23 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



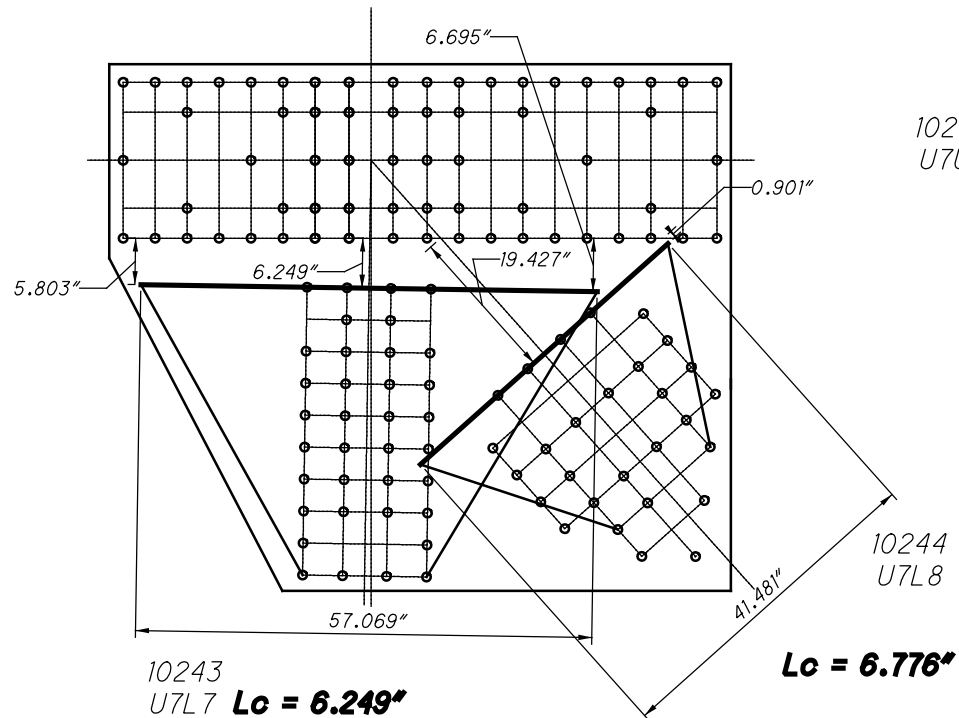
**U23 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U24 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

10241
U6U7

10245
U7U8

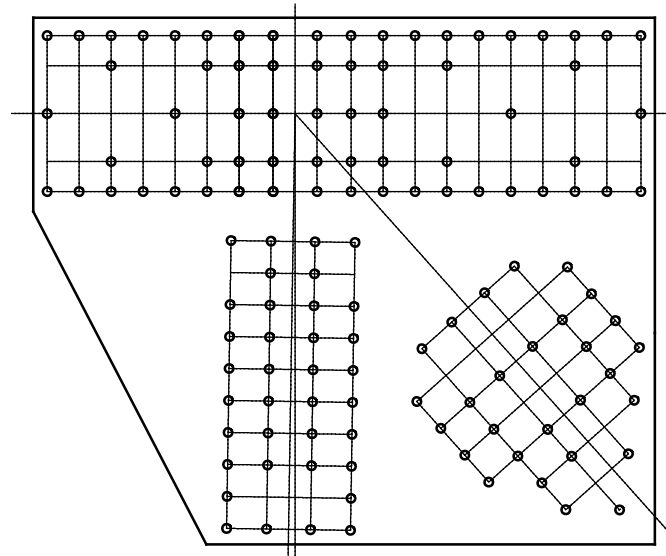


**U24 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10241
U6U7

10245
U7U8



10244
U7L8

10243
U7L7

**U24 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10241
U6U7

10245
U7U8

36 RIVETS
x 2 PLATES
= 72 RIVETS

10243
U7L7

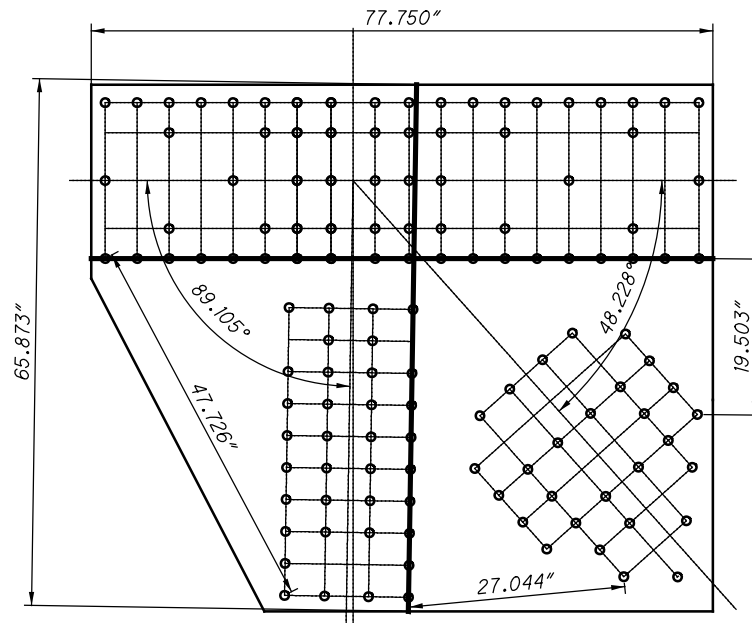
10244
U7L8

20 RIVETS
x 2 PLATES
= 40 RIVETS

**U24 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10241
U6U7

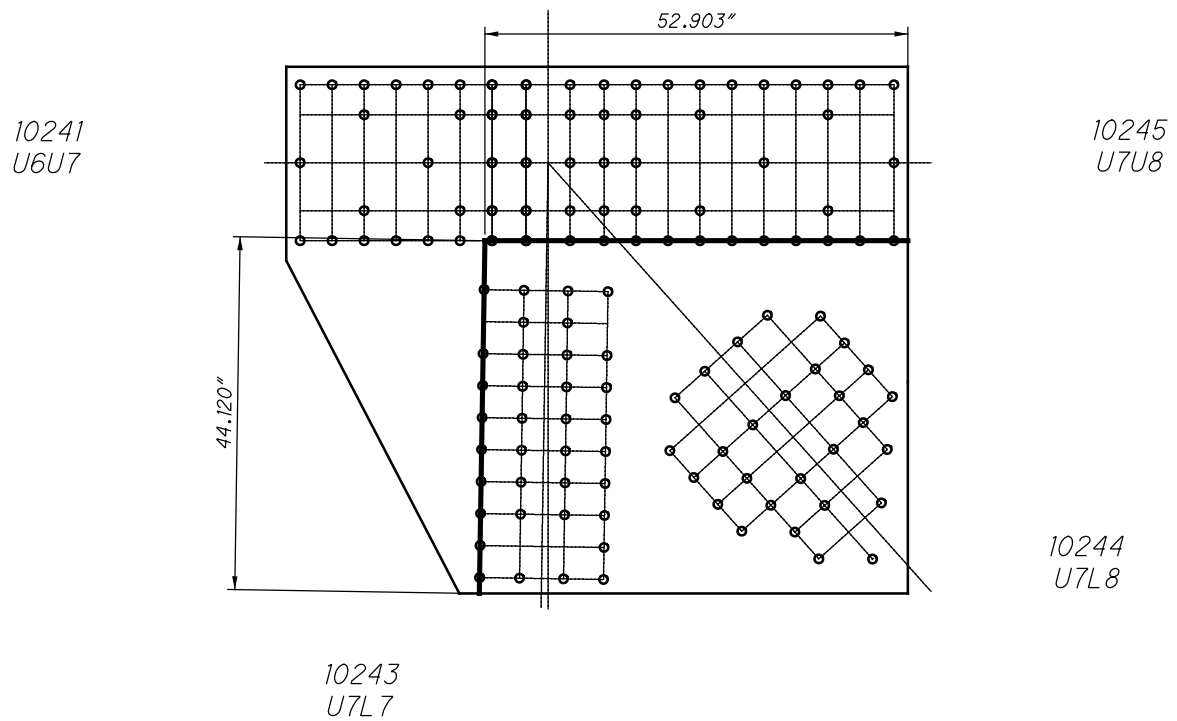
10245
U7U8

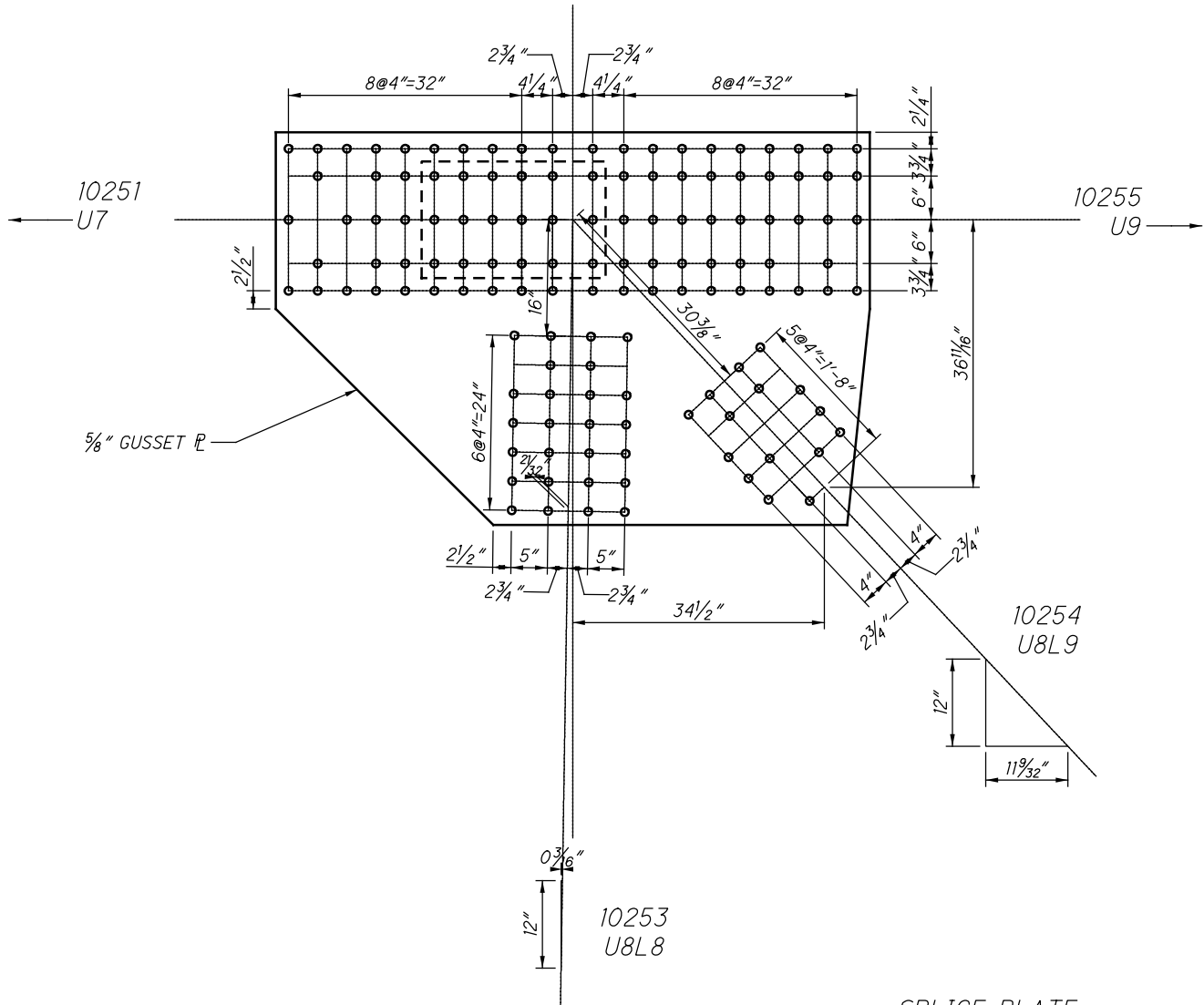


10243
U7L7

10244
U7L8

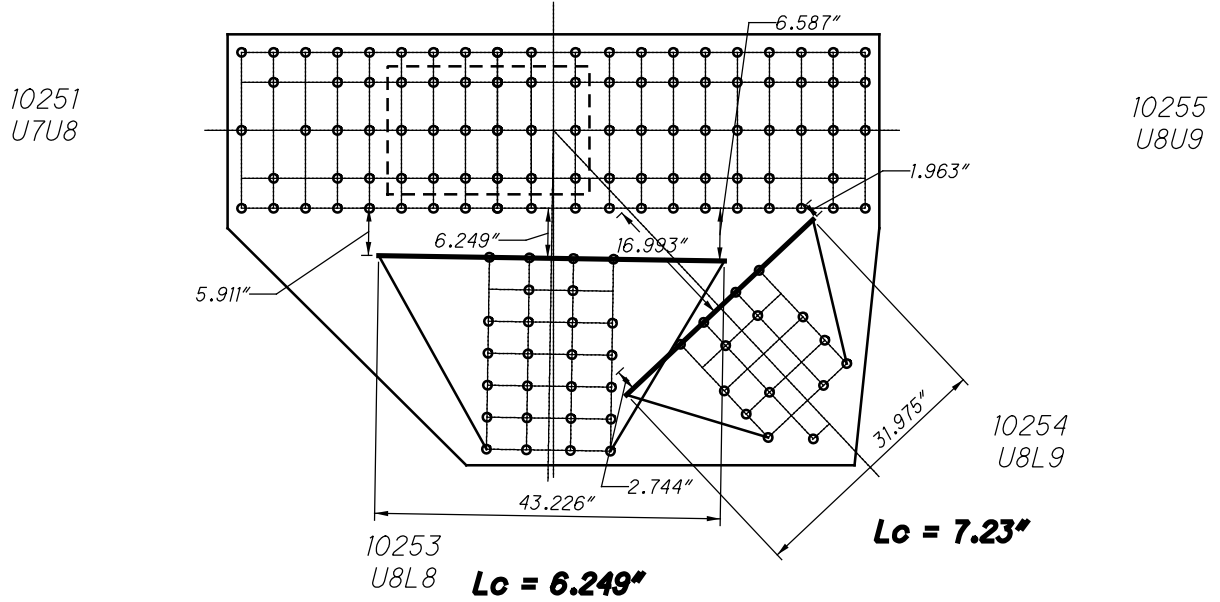
**U24 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



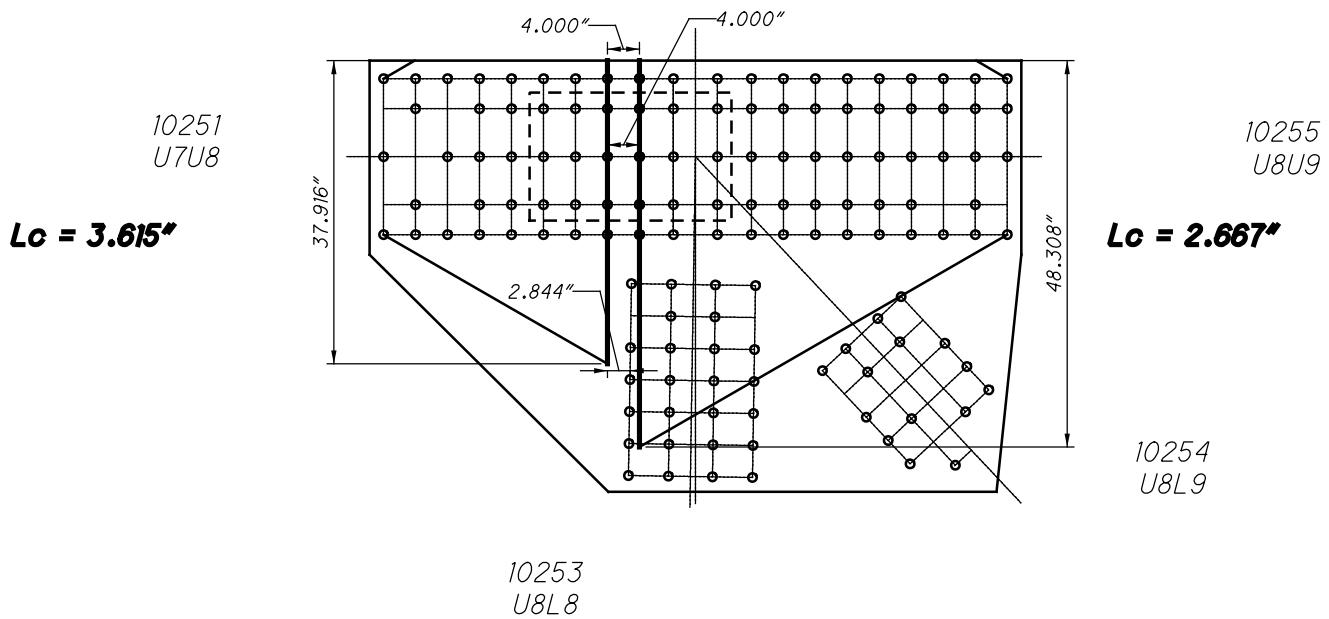


**U25 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

SPLICE PLATE
16" X 1/2" X 1'-2 1/4"



**U25 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

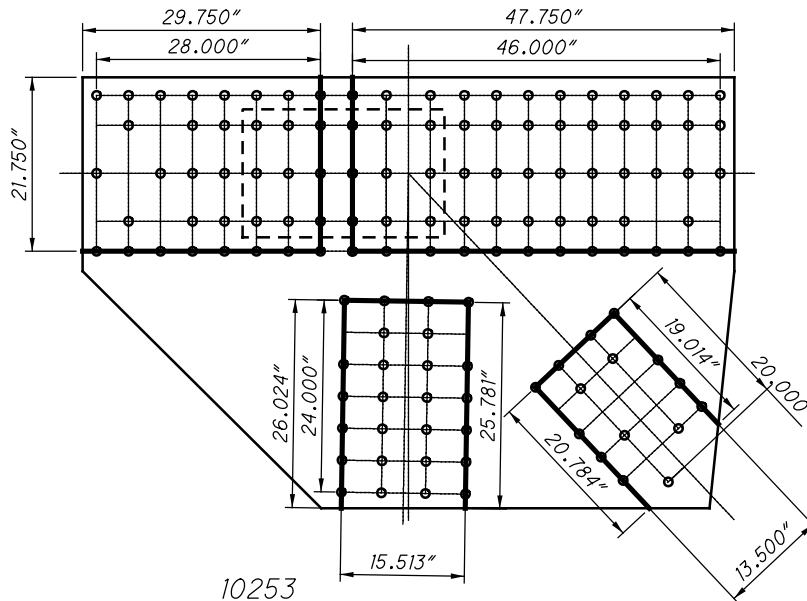


**U25 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

35 RIVETS
x 2 PLATES
=70 RIVETS

10251
U7U8

9 SPLICE P
x 2 PLATES
=18 RIVETS



58 RIVETS
x 2 PLATES
=116 RIVETS

10255
U8U9

9 SPLICE P
x 2 PLATES
=18 RIVETS

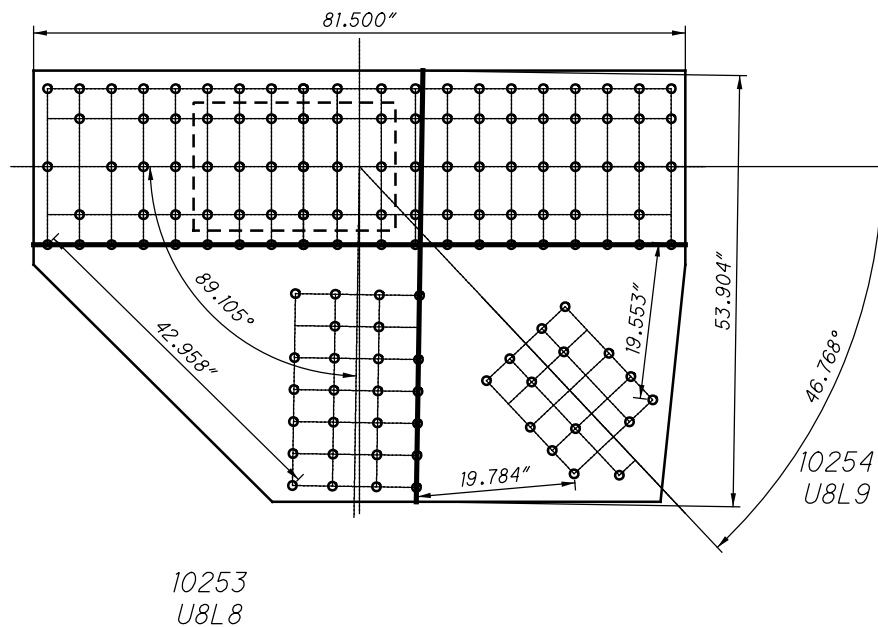
10254
U8L9

26 RIVETS
x 2 PLATES
=52 RIVETS

15 RIVETS
x 2 PLATES
=30 RIVETS

**U25 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10251
U7U8

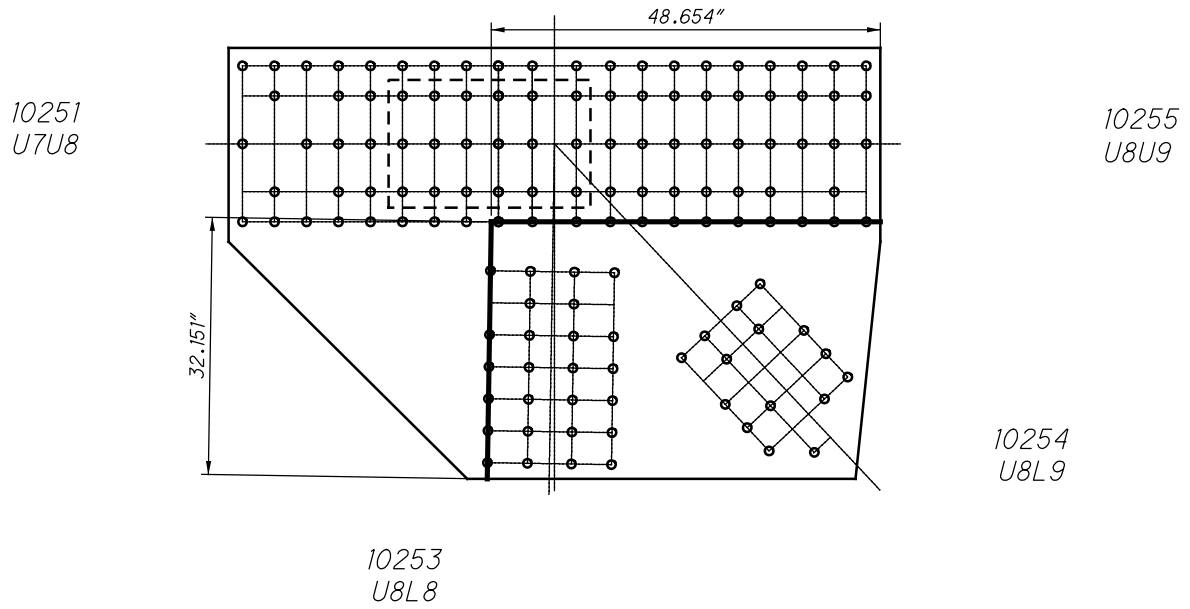


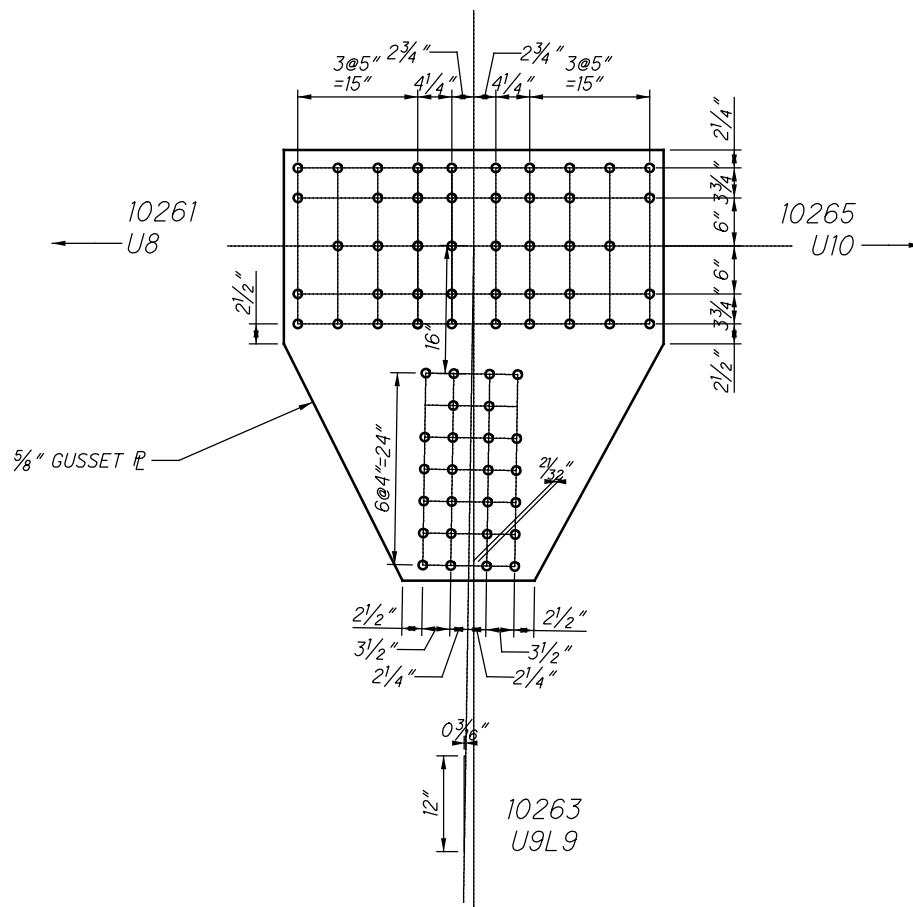
10255
U8U9

10254
U8L9

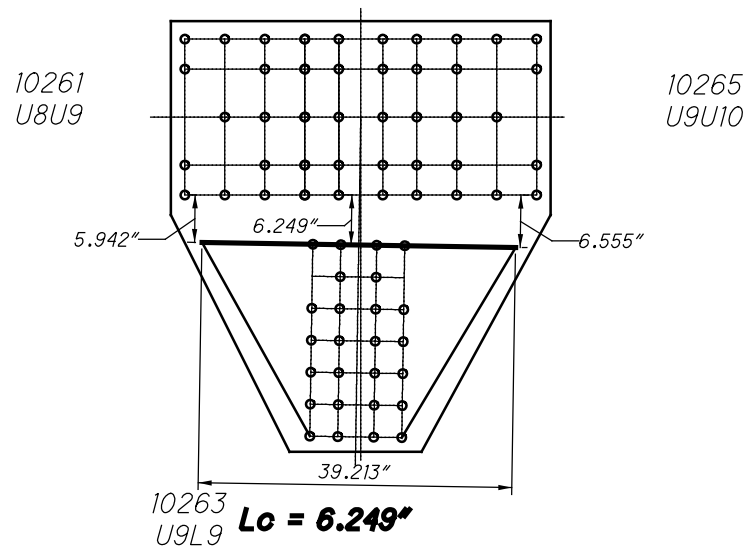
10253
U8L8

**U25 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



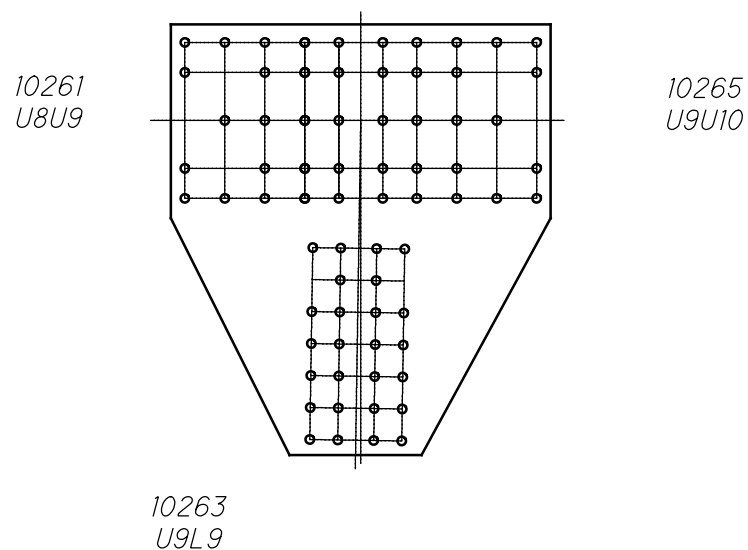


**U26 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

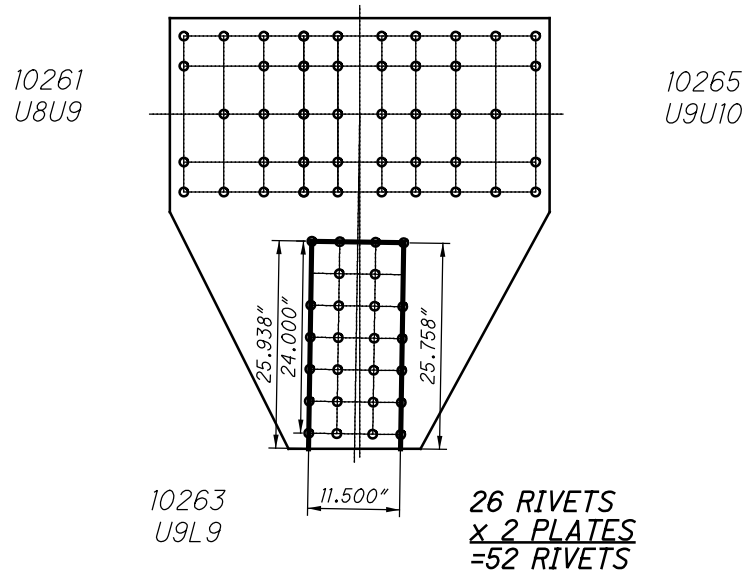


**U26 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

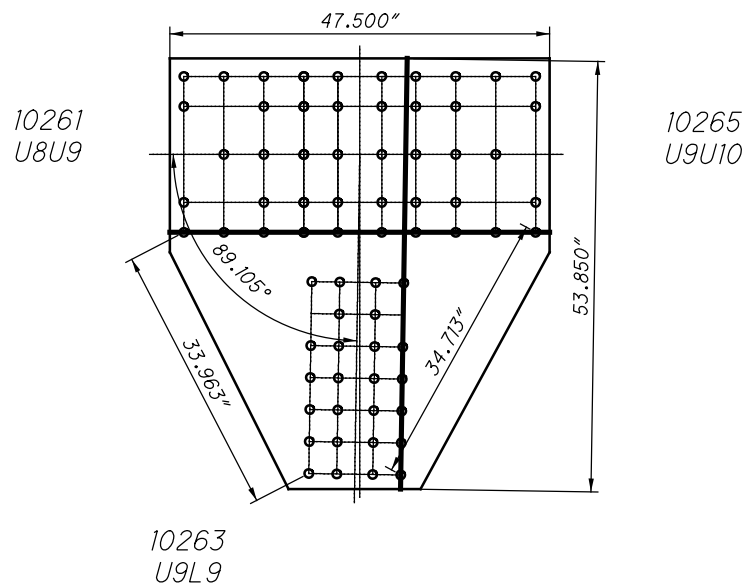
CHORD IS CONTINUOUS



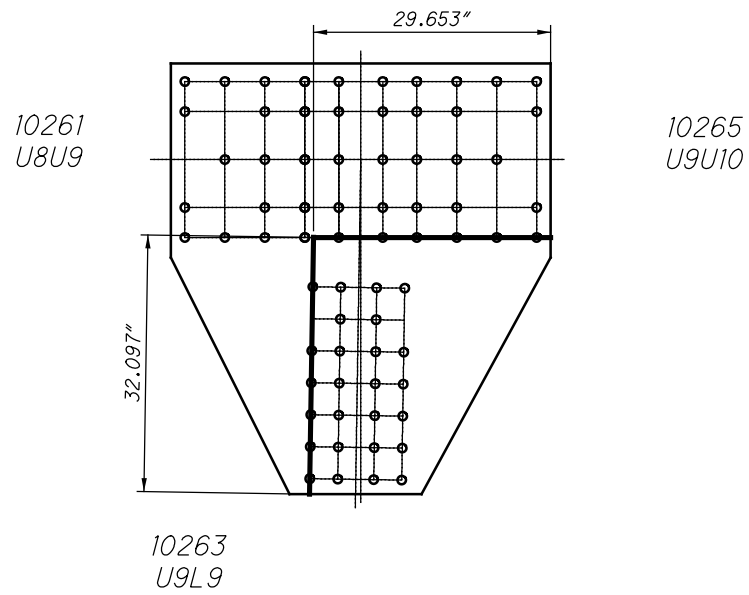
**U26 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



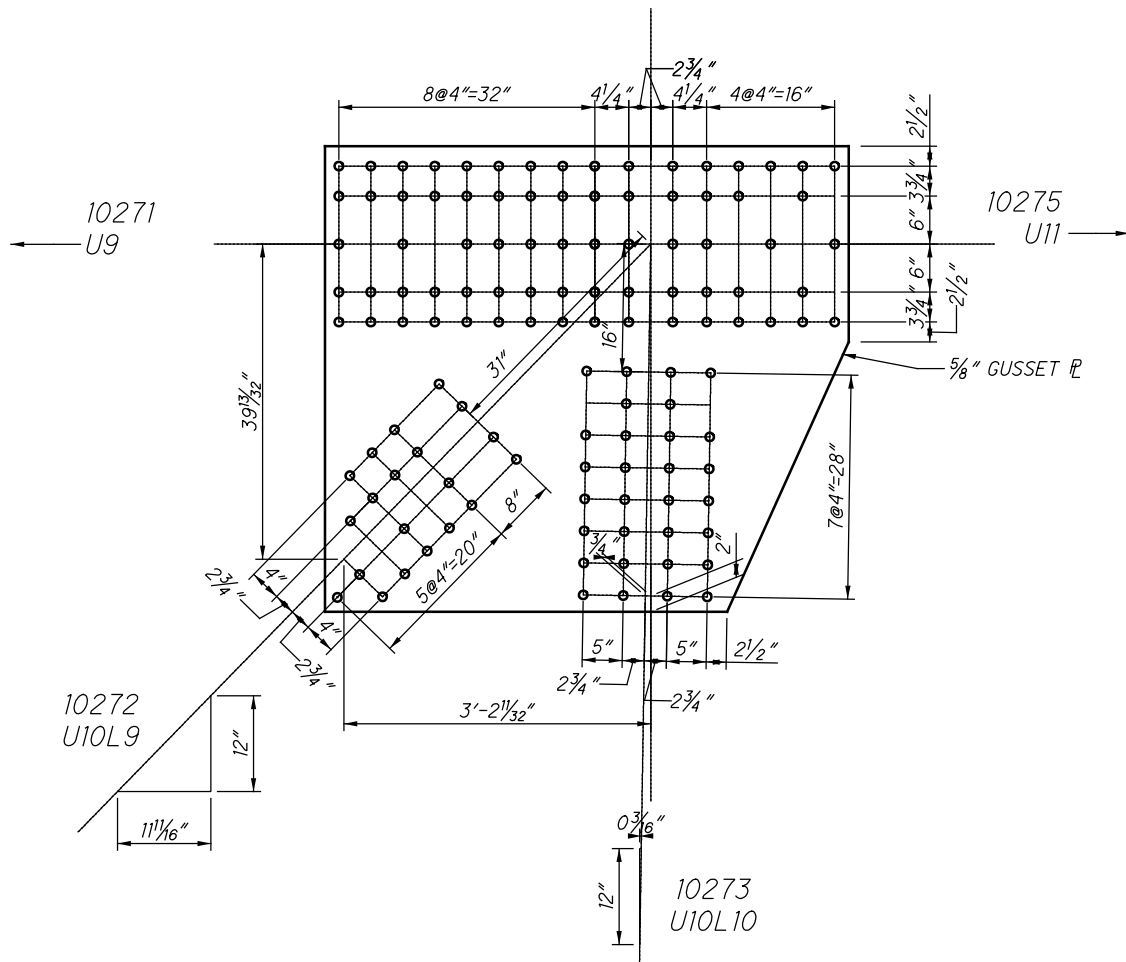
**U26 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



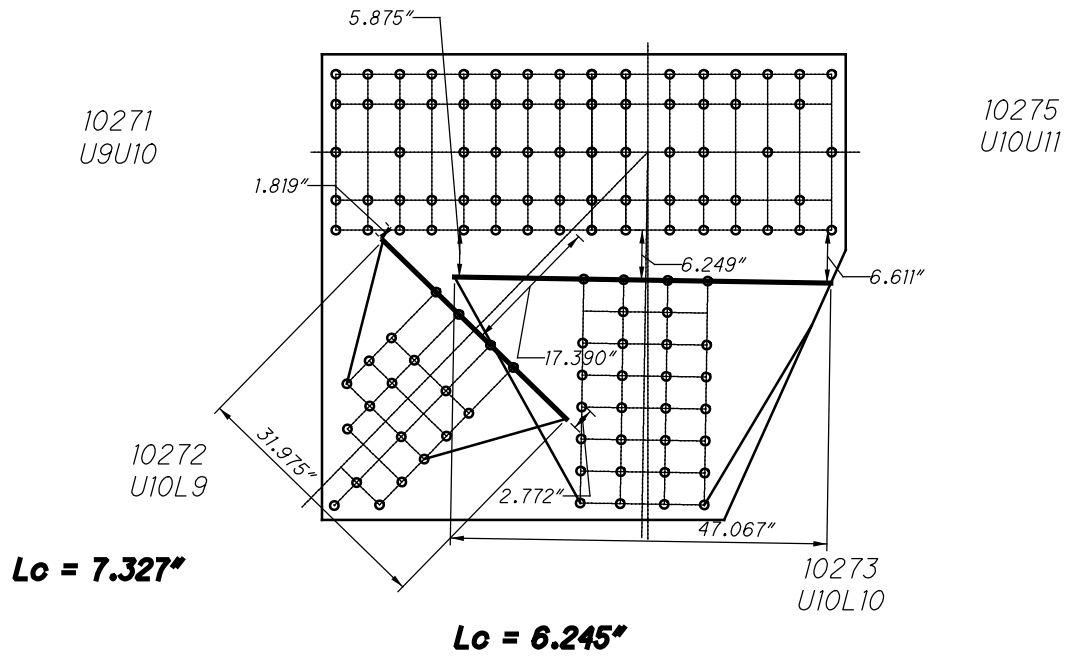
**U26 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



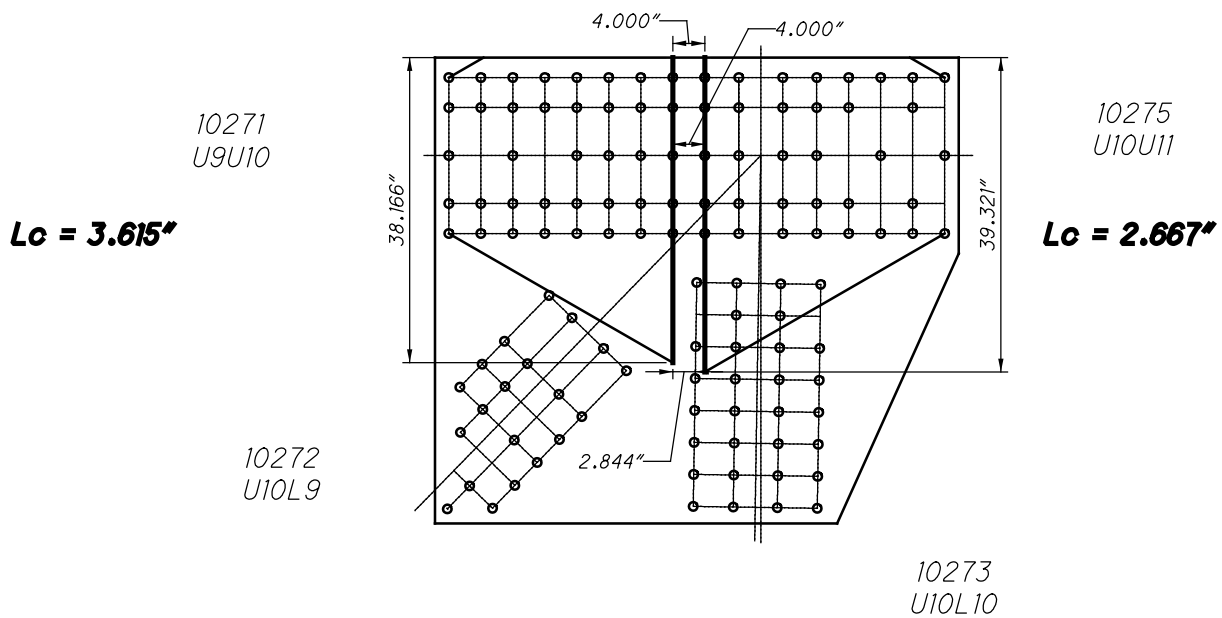
**U26 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U27 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



**U27 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U27 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

38 RIVETS
x 2 PLATES
=76 RIVETS

10271
U9U10

34 RIVETS
x 2 PLATES
=68 RIVETS

10275
U10U11

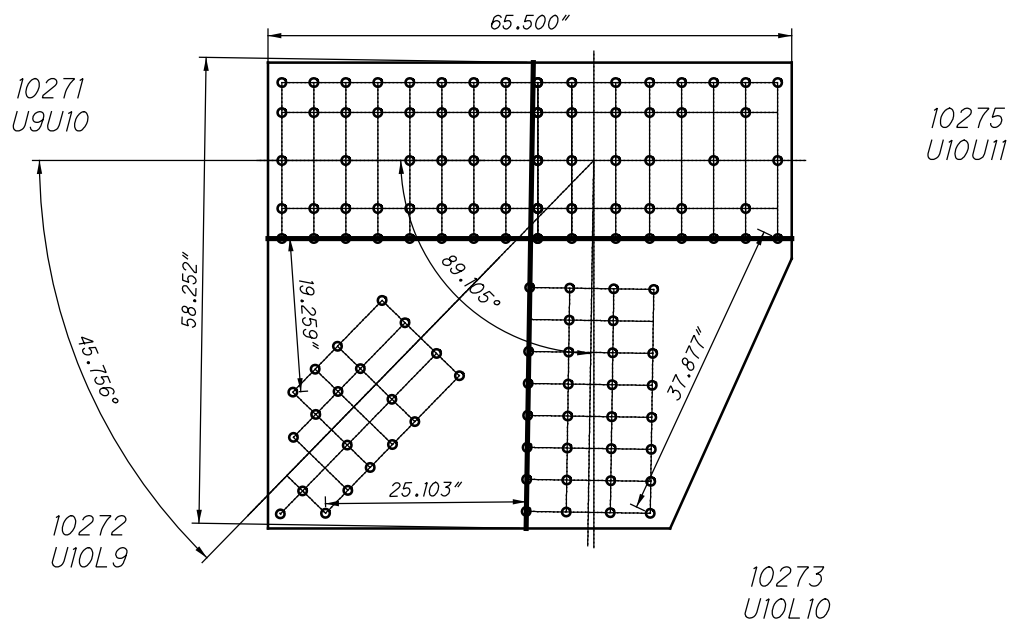
20 RIVETS
x 2 PLATES
=40 RIVETS

10272
U10L9

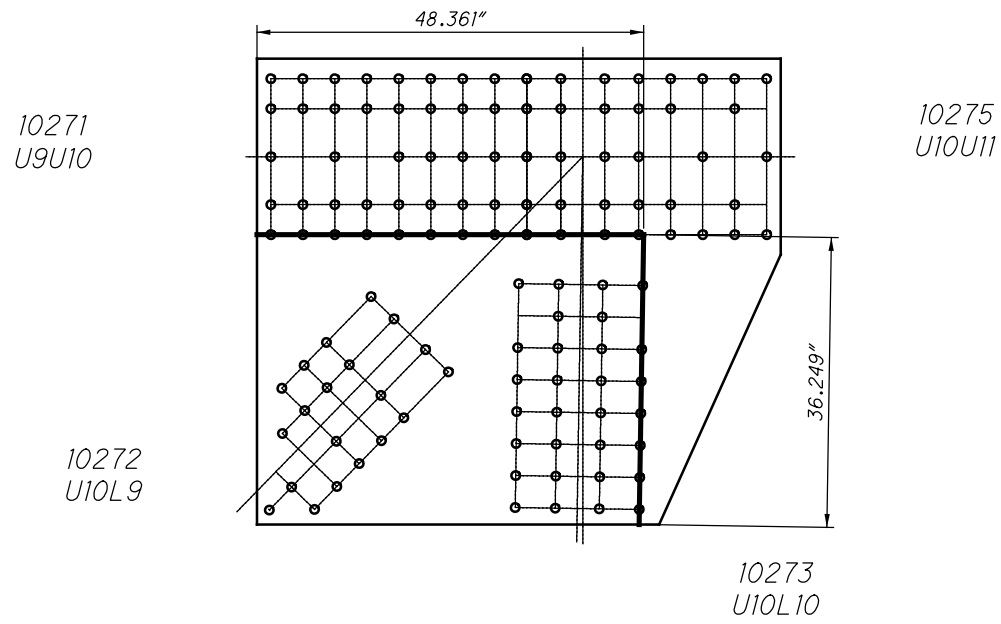
30 RIVETS
x 2 PLATES
=60 RIVETS

10273
U10L10

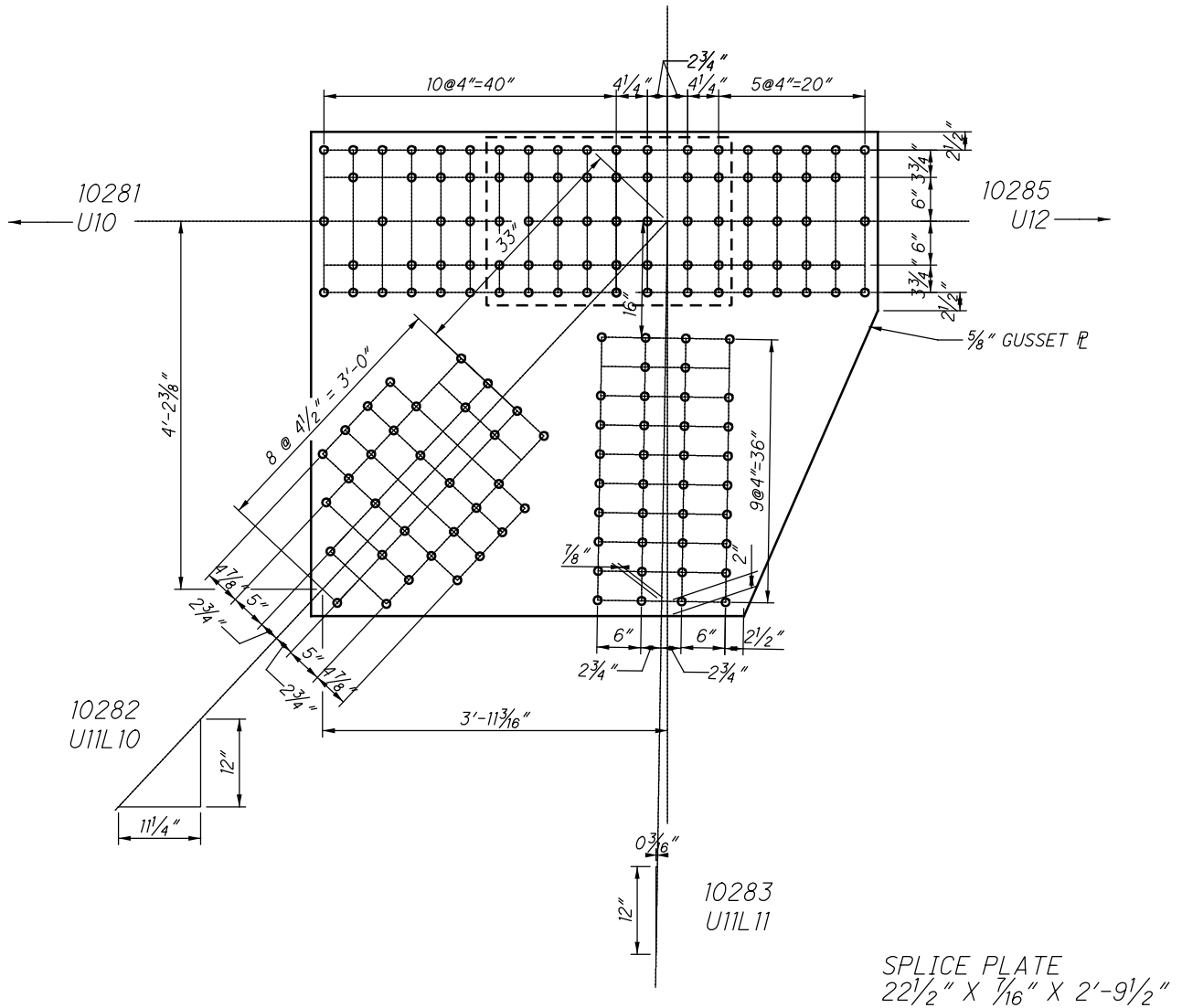
**U27 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



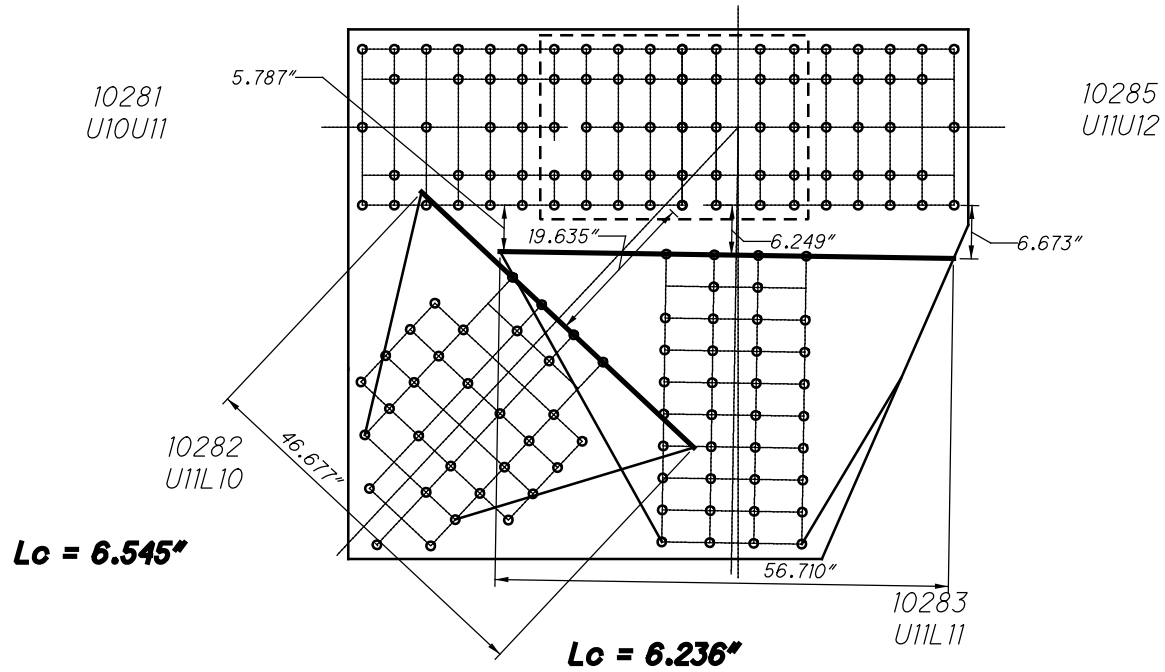
**U27 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



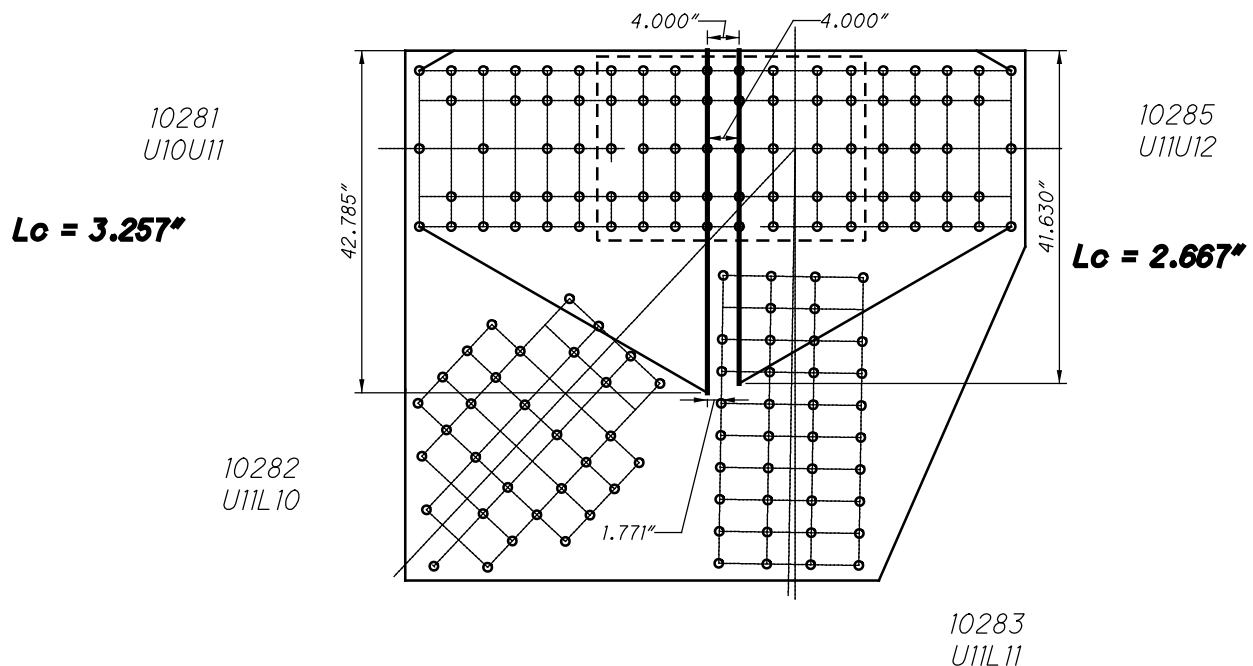
**U27 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



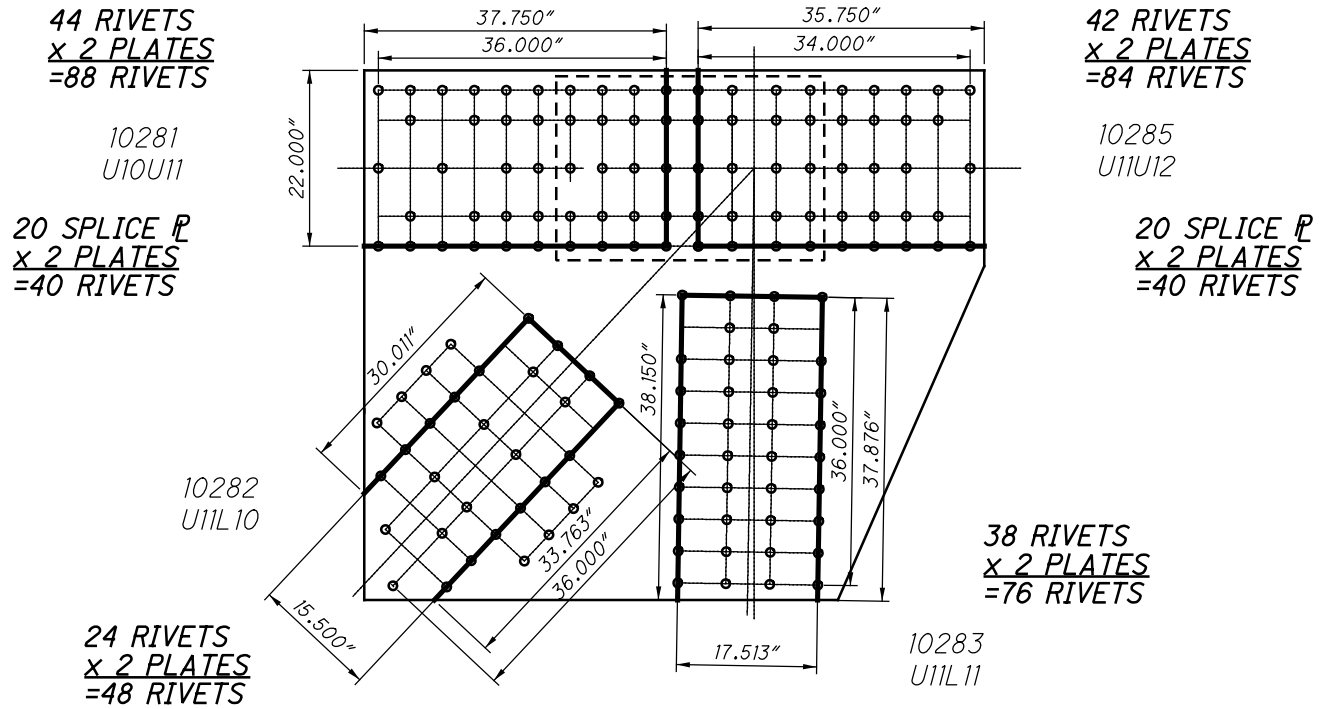
**U28 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



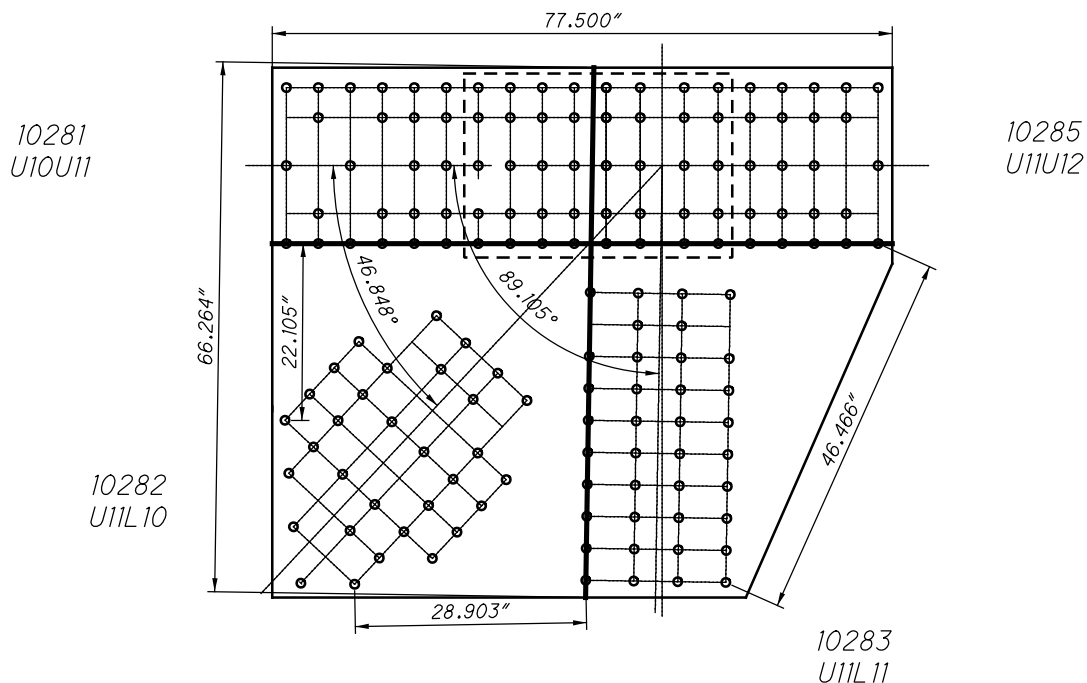
**U28 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



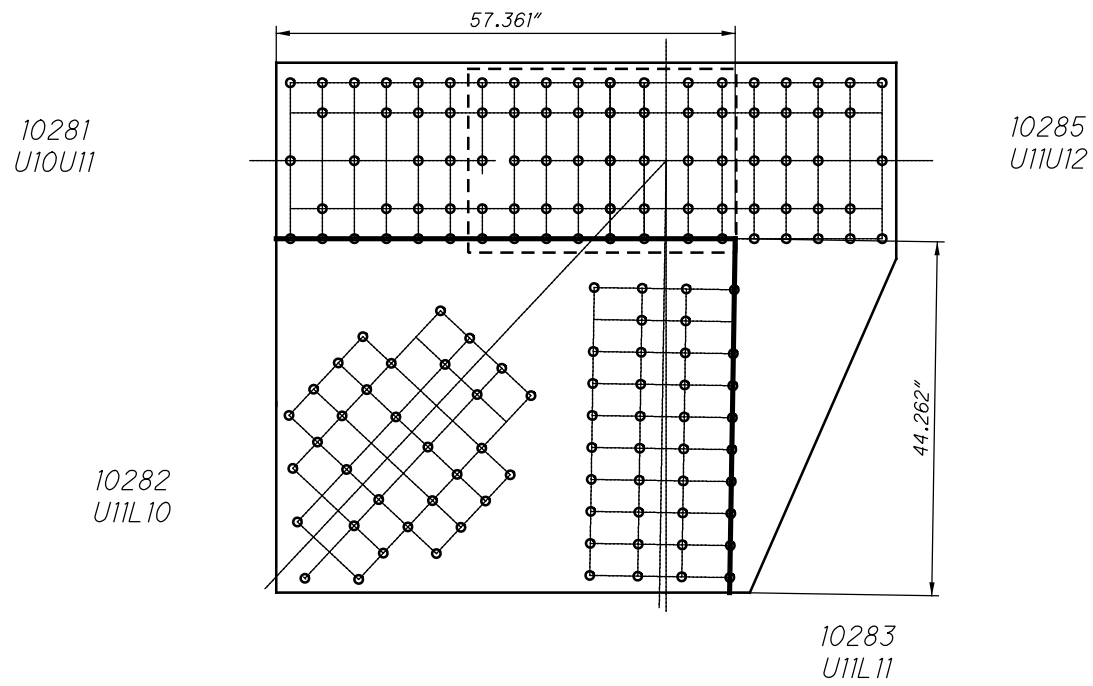
**U28 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



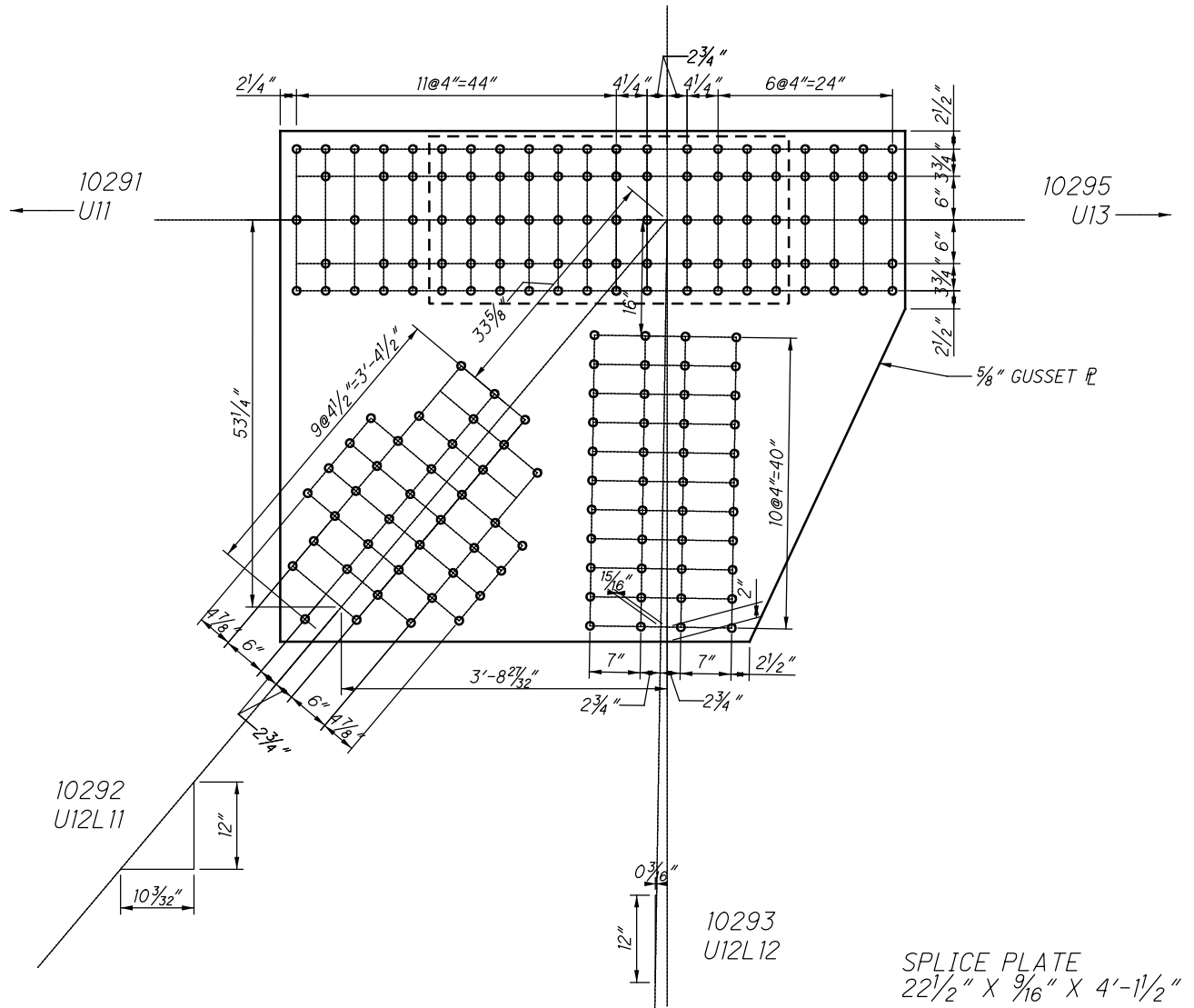
**U28 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



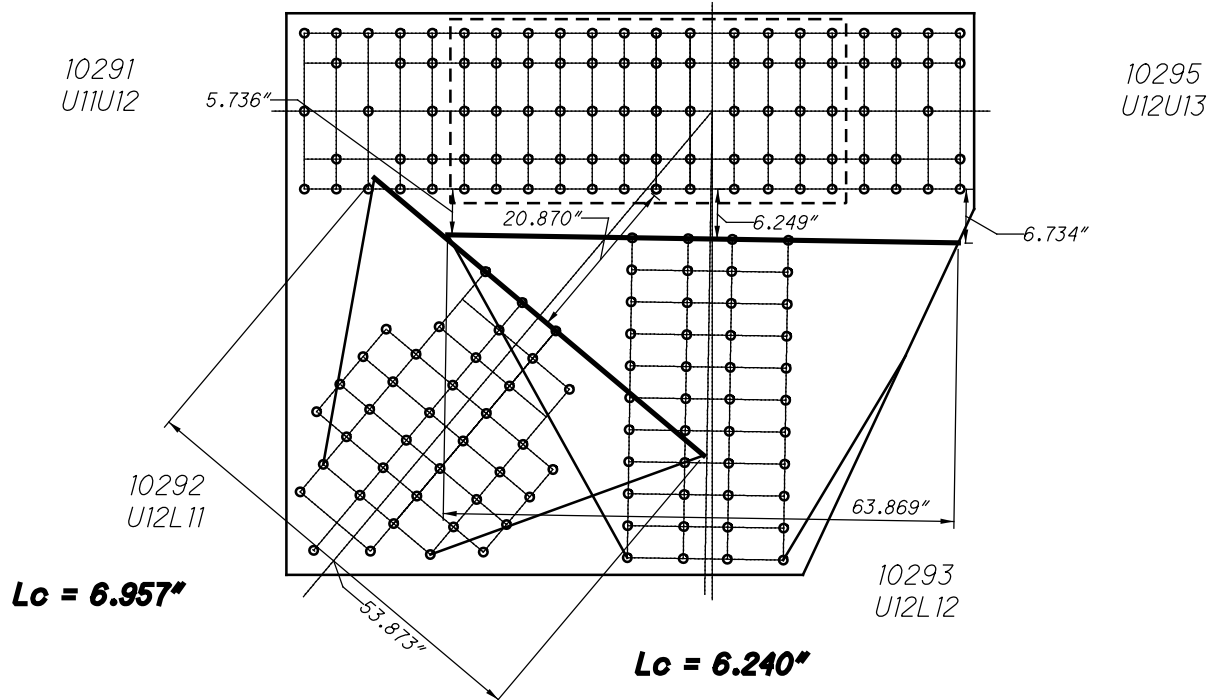
**U28 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



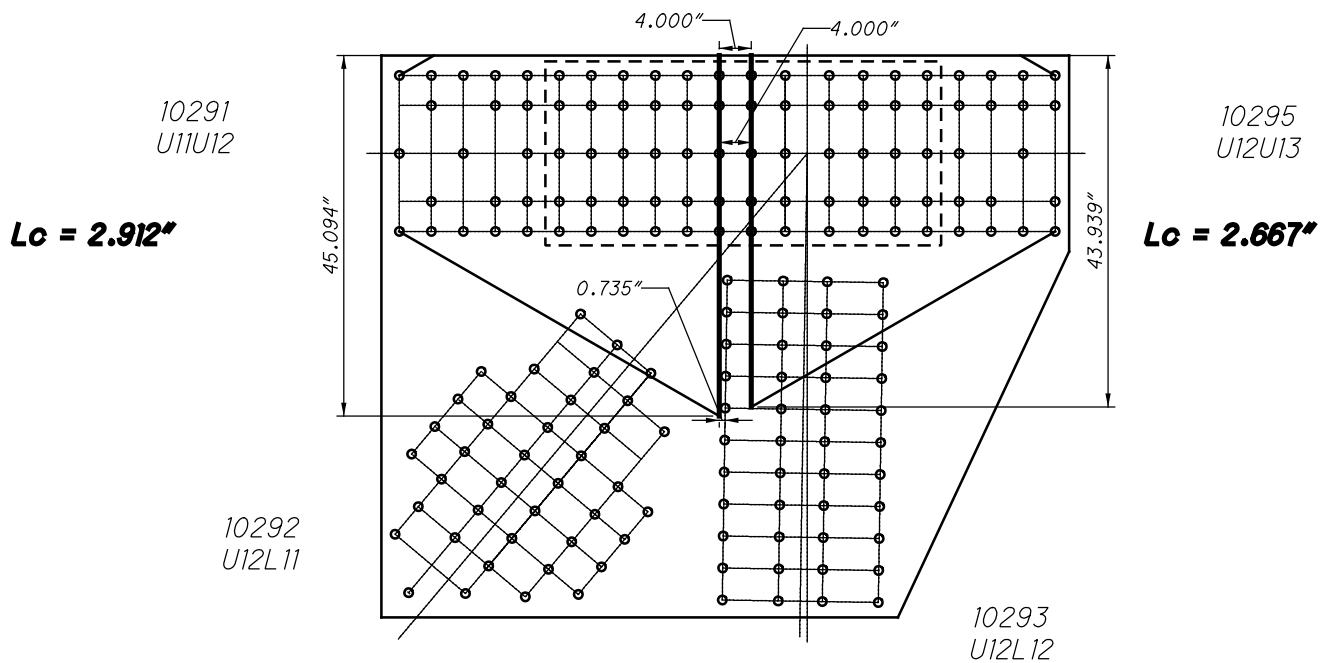
**U28 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



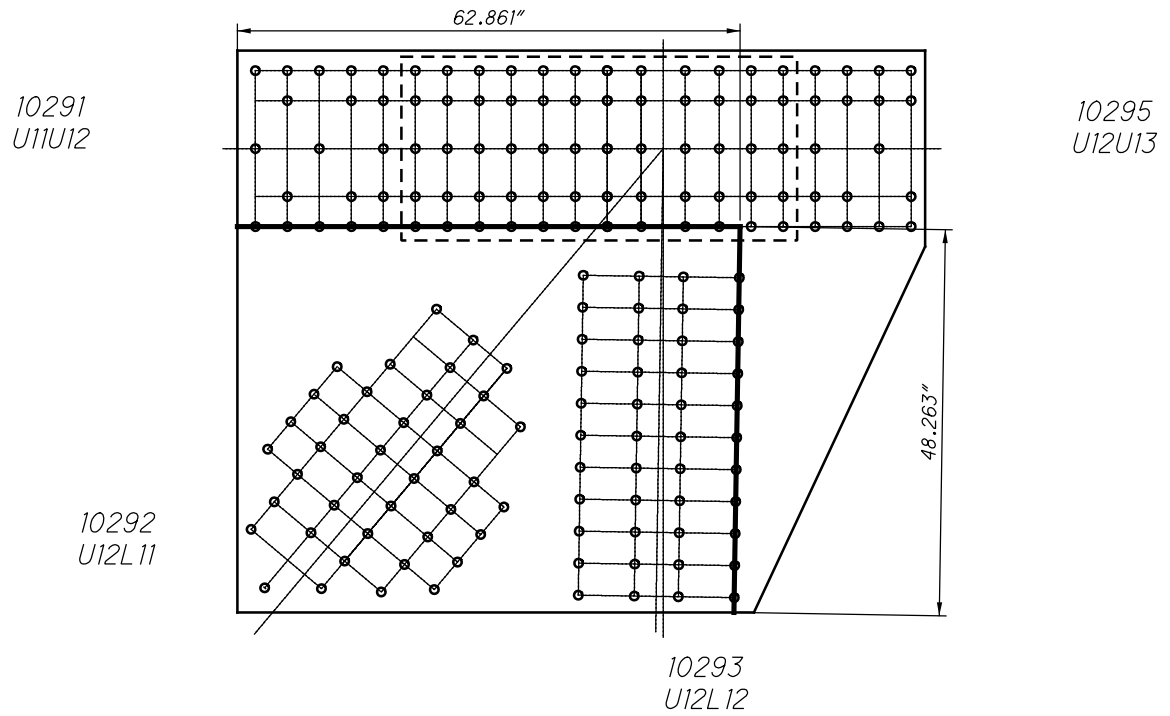
**U29 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



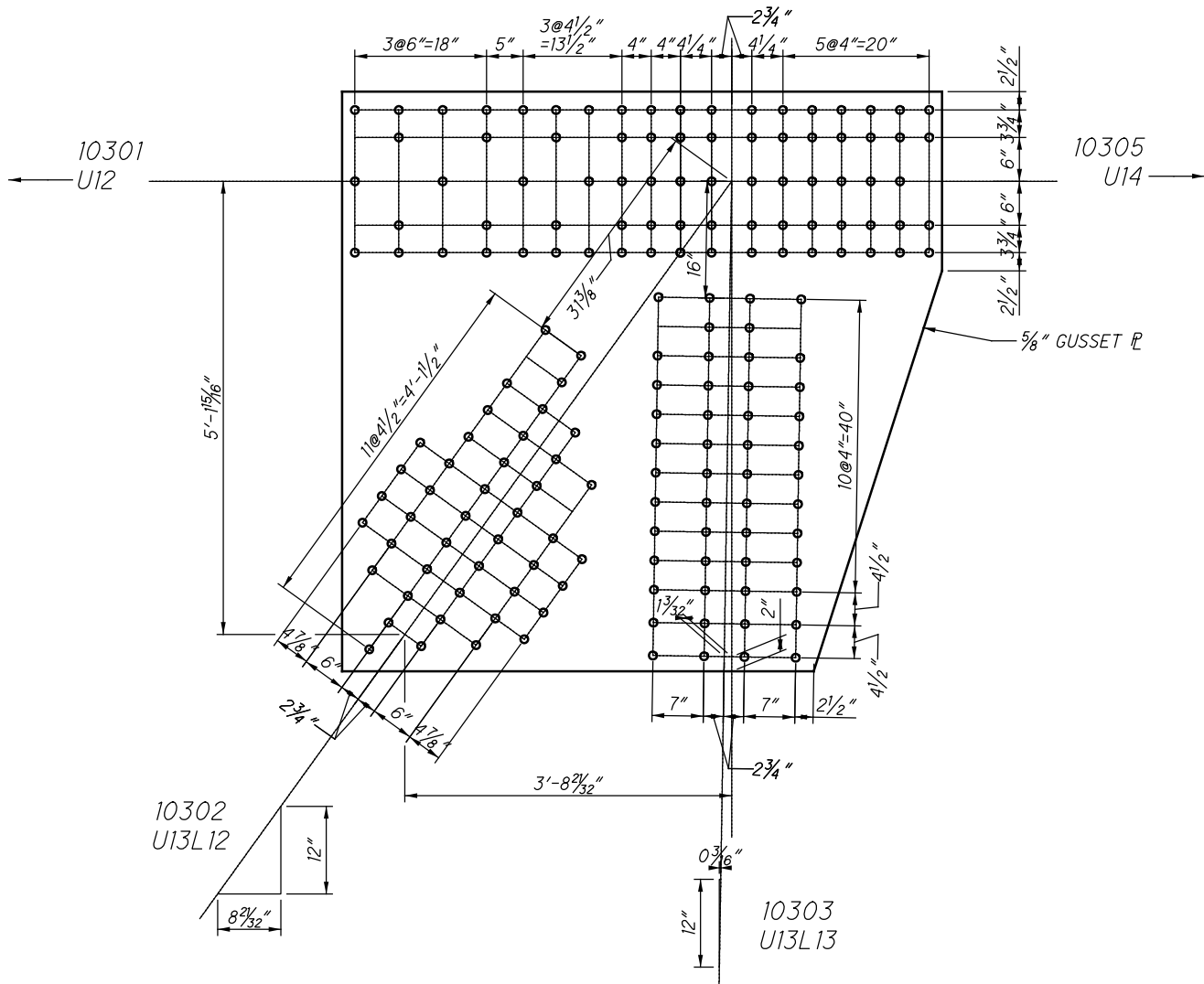
**U29 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



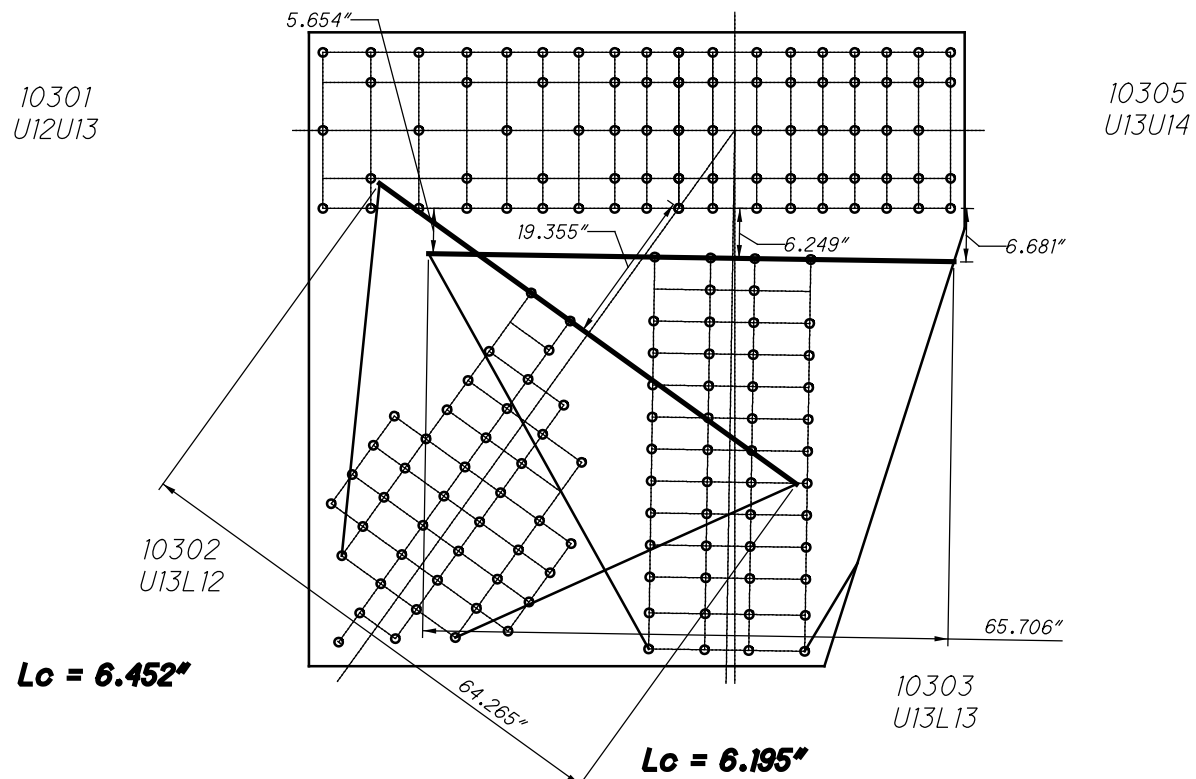
**U29 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U29 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**

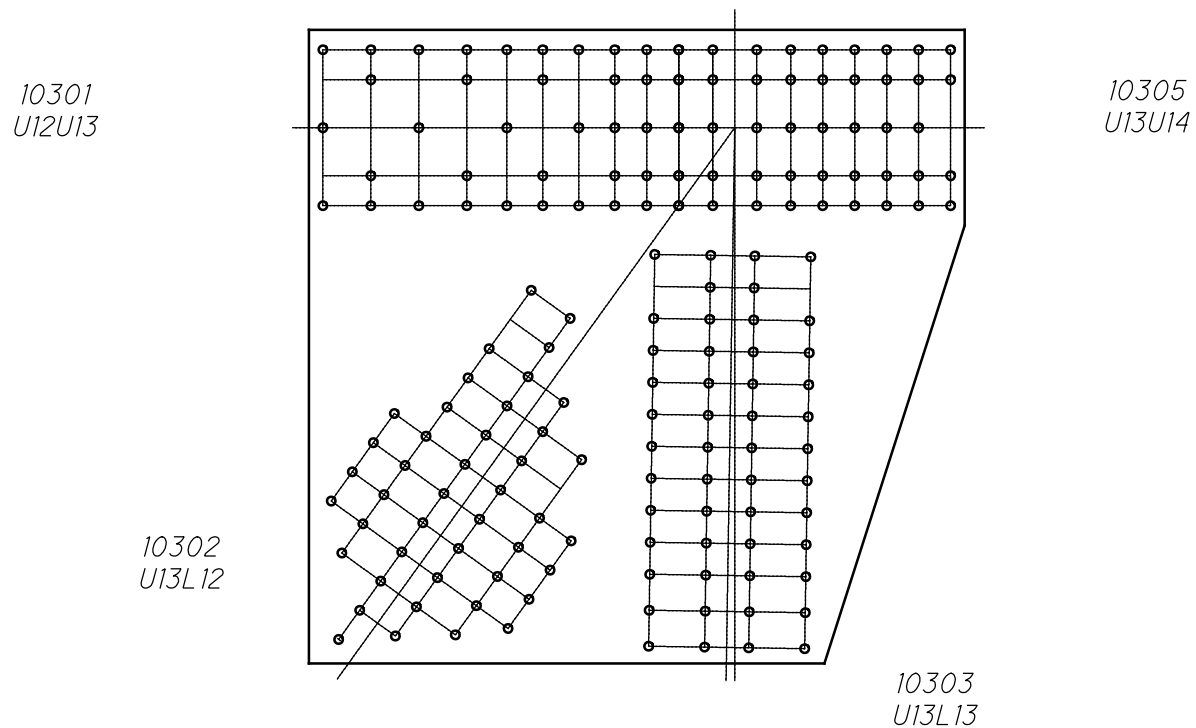


**U30 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



**U30 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS



**U30 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10301
U12U13

10305
U13U14

36 RIVETS
x 2 PLATES
= 72 RIVETS

10302
U13L12

50 RIVETS
x 2 PLATES
= 100 RIVETS

10303
U13L13

**U30 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

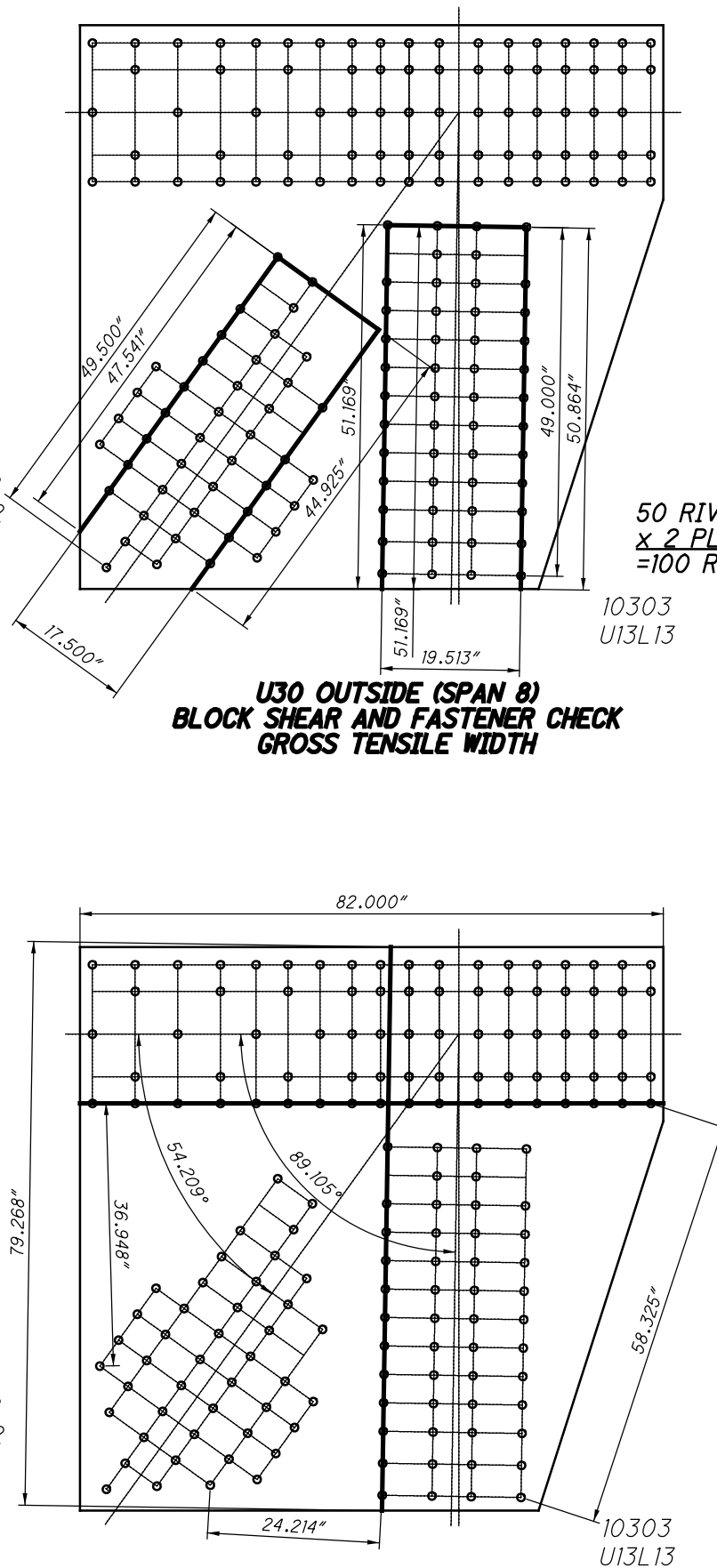
10301
U12U13

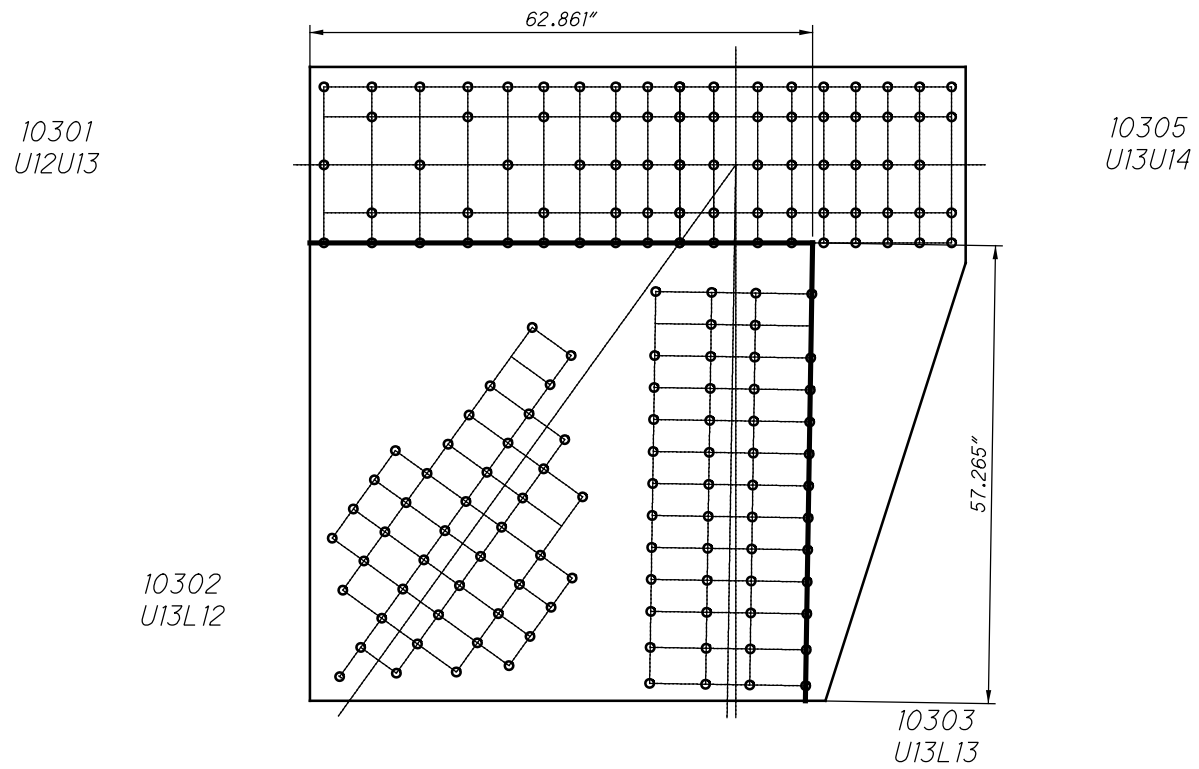
10305
U13U14

10302
U13L12

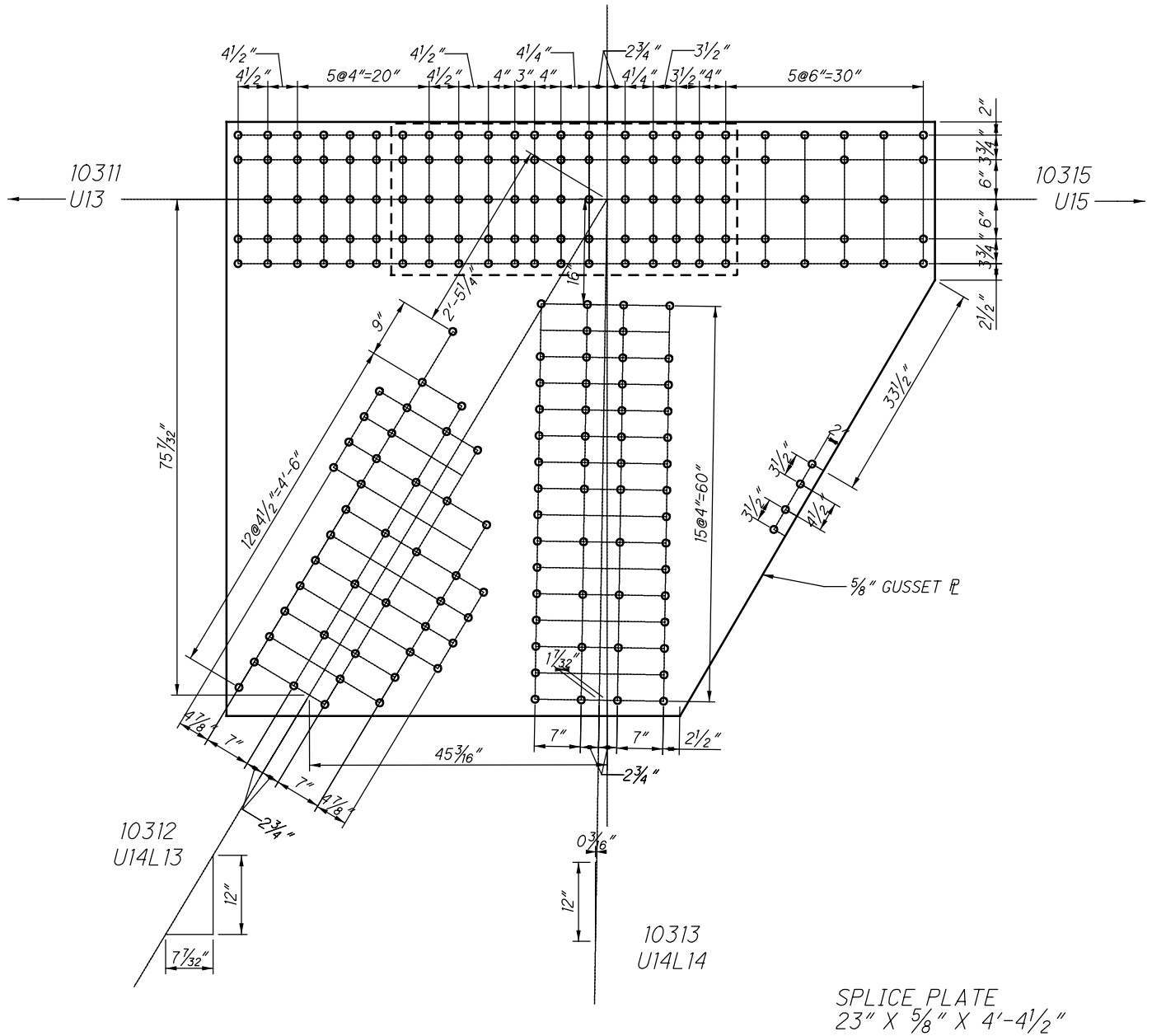
10303
U13L13

**U30 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**





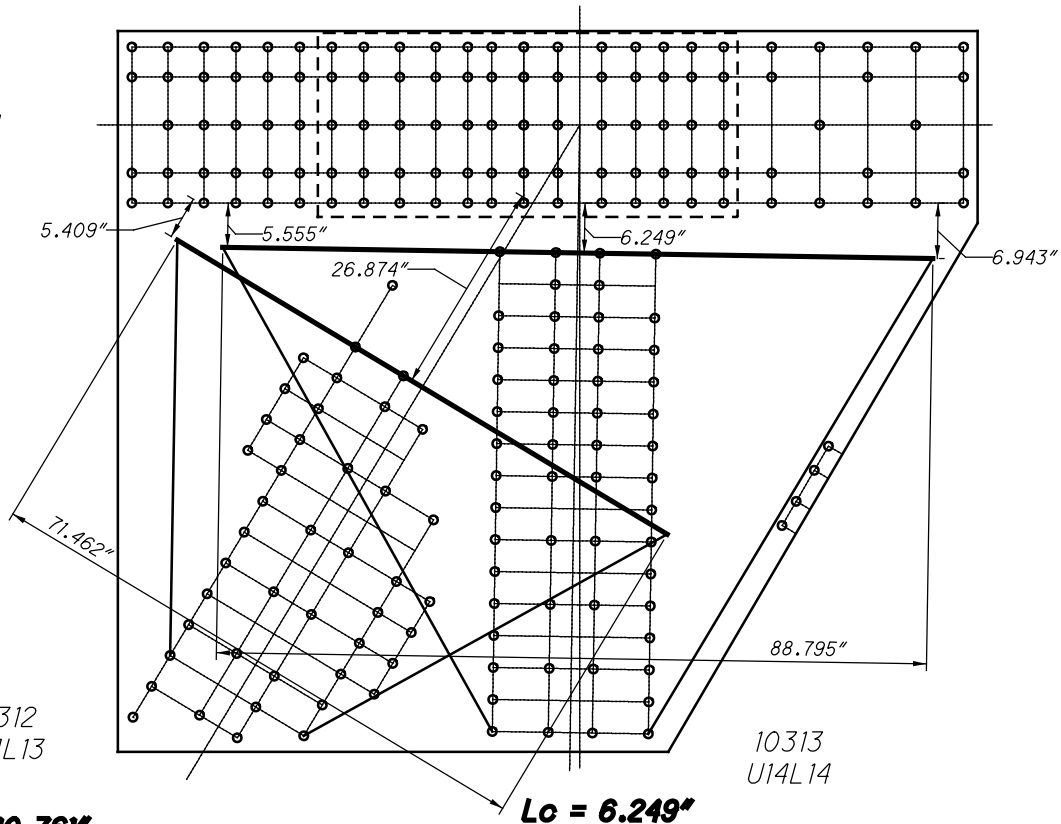
**U30 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U31 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

10311
U13U14

10315
U14U15



$L_c = 10.761"$

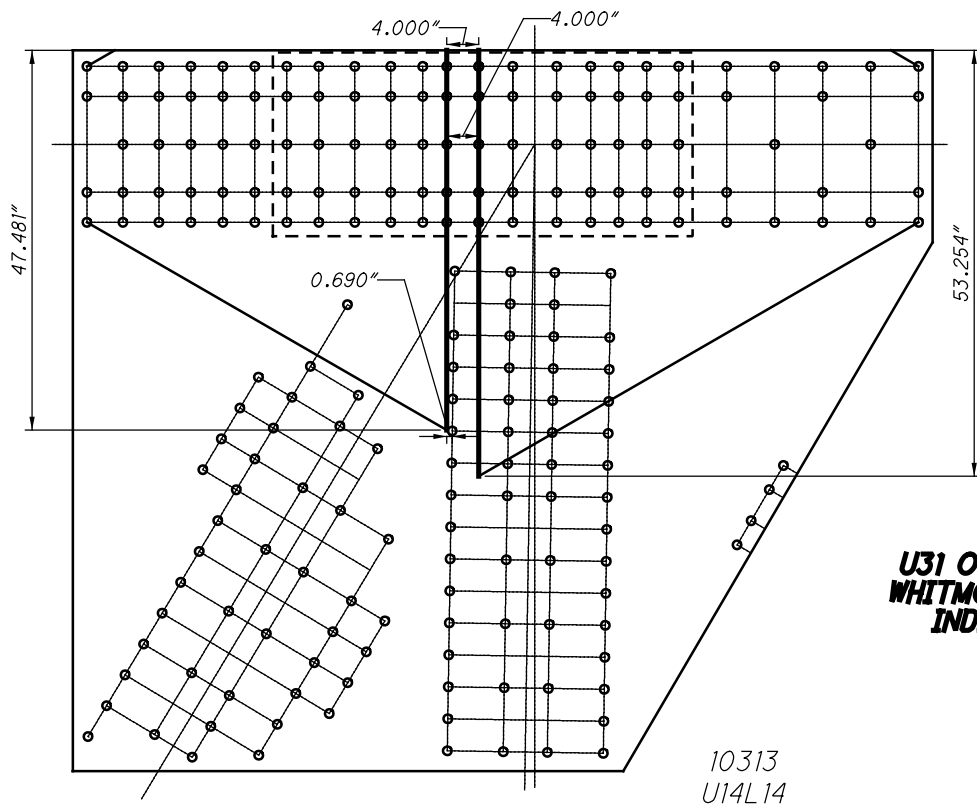
$L_c = 6.249"$

**U31 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10311
U13U14

10315
U14U15

$L_c = 2.897"$



$L_c = 2.667"$

**U31 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

10312
U14L13

10313
U14L14

59 RIVETS
x 2 PLATES
=118 RIVETS

10311
U13U14

30 SPLICE P
x 2 PLATES
=60 RIVETS

53 RIVETS
x 2 PLATES
=106 RIVETS

10315
U14U15

35 SPLICE P
x 2 PLATES
=70 RIVETS

34 RIVETS
x 2 PLATES
=68 RIVETS

10312
U14L13

54 RIVETS
x 2 PLATES
=108 RIVETS

10313
U14L14

**U31 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

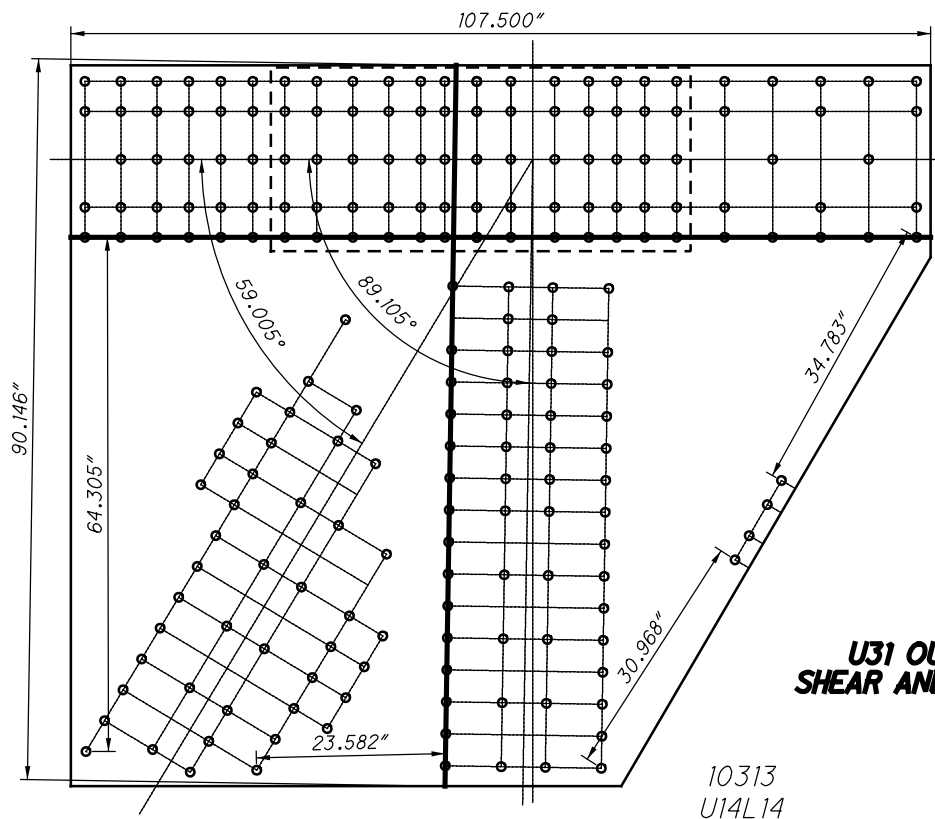
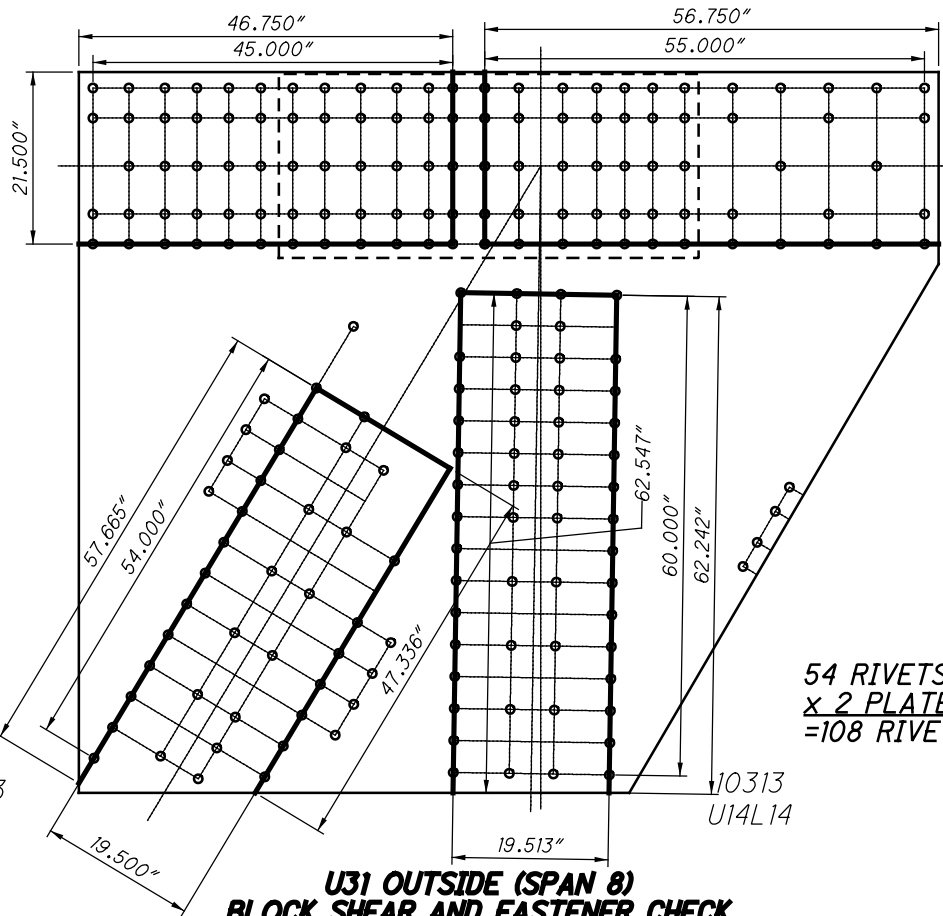
10311
U13U14

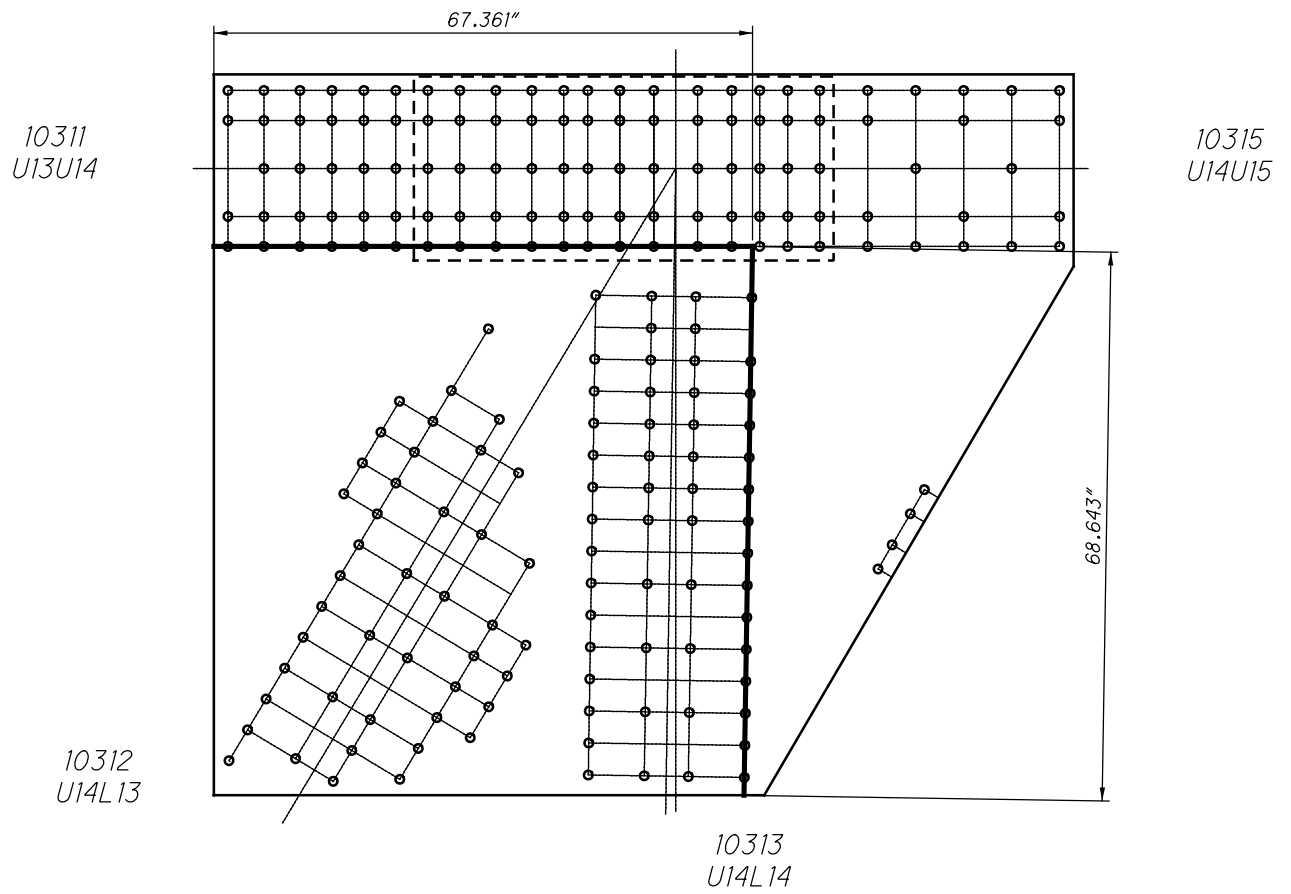
10315
U14U15

10312
U14L13

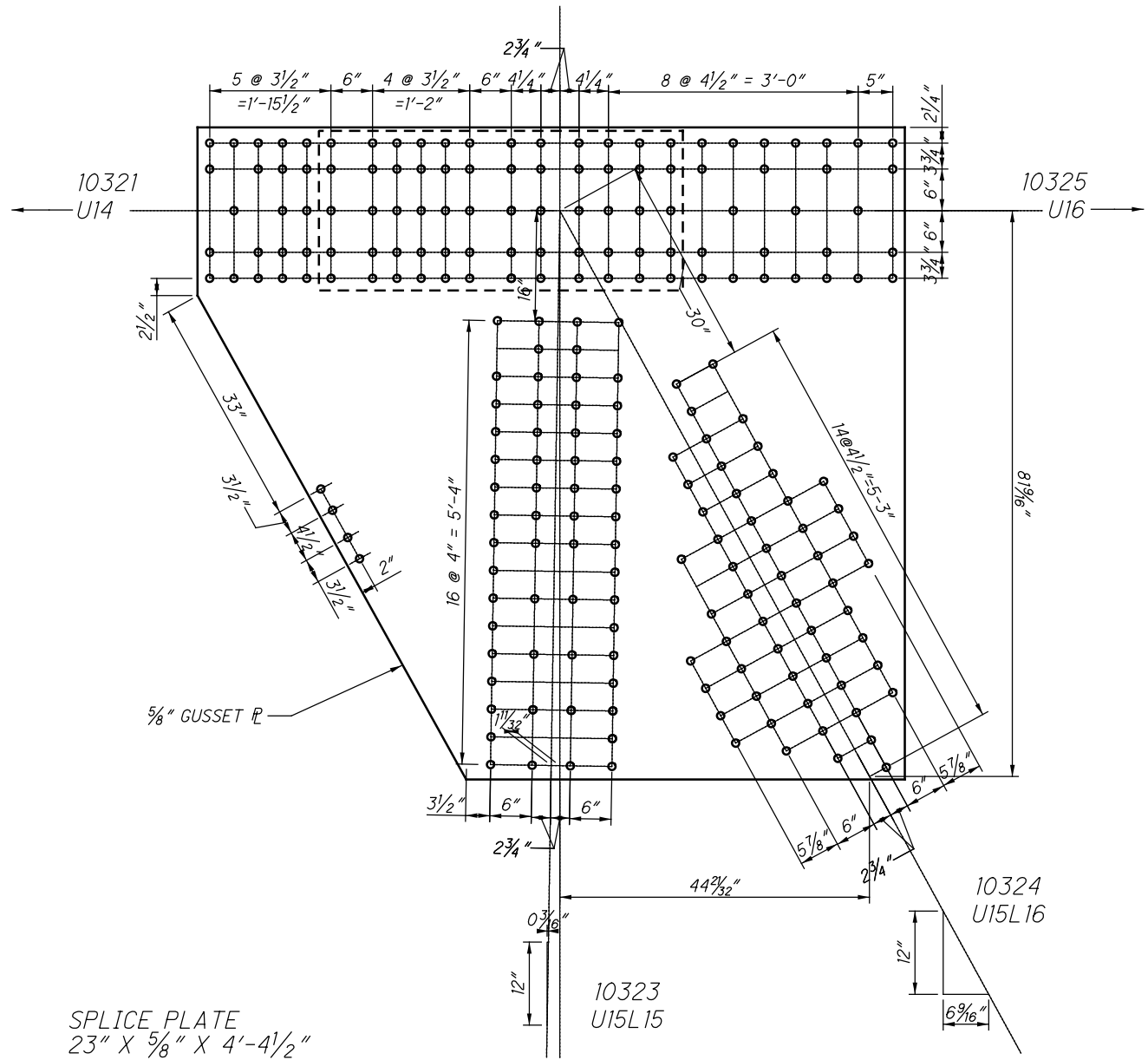
10313
U14L14

**U31 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

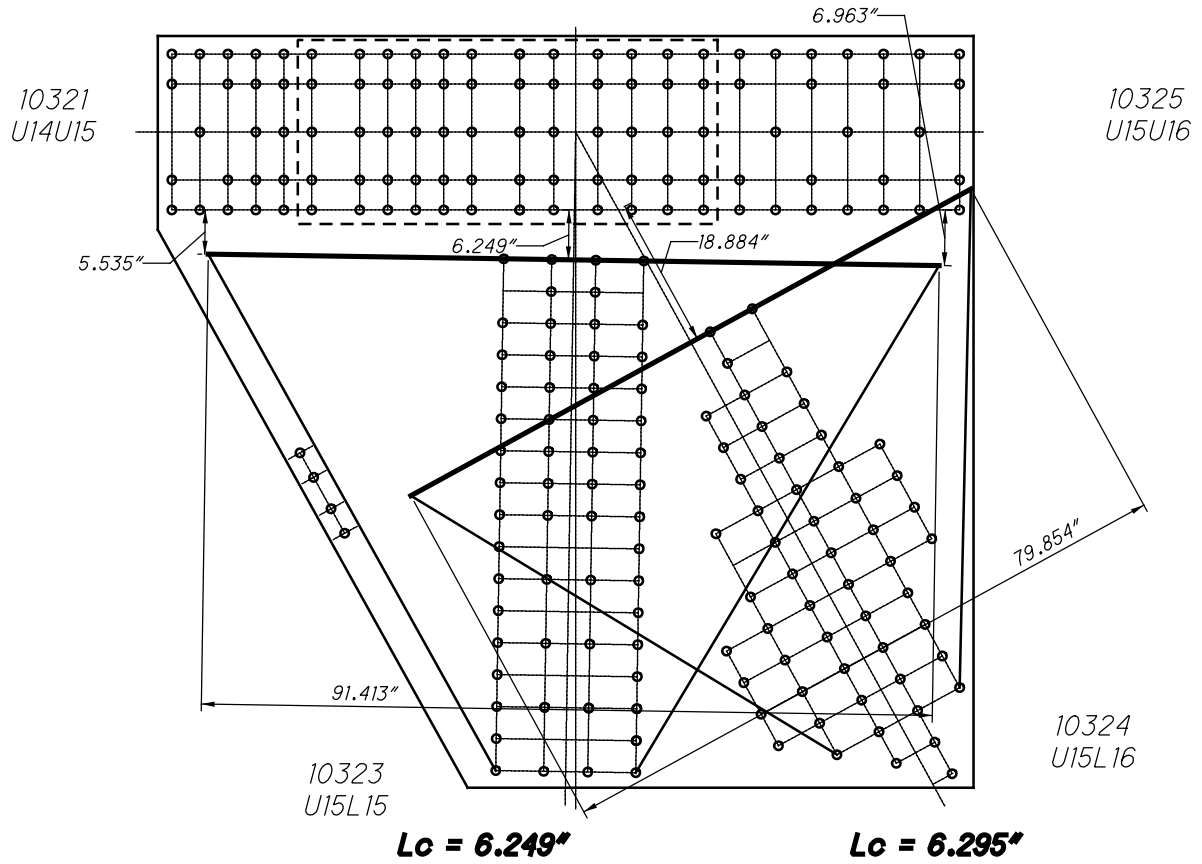




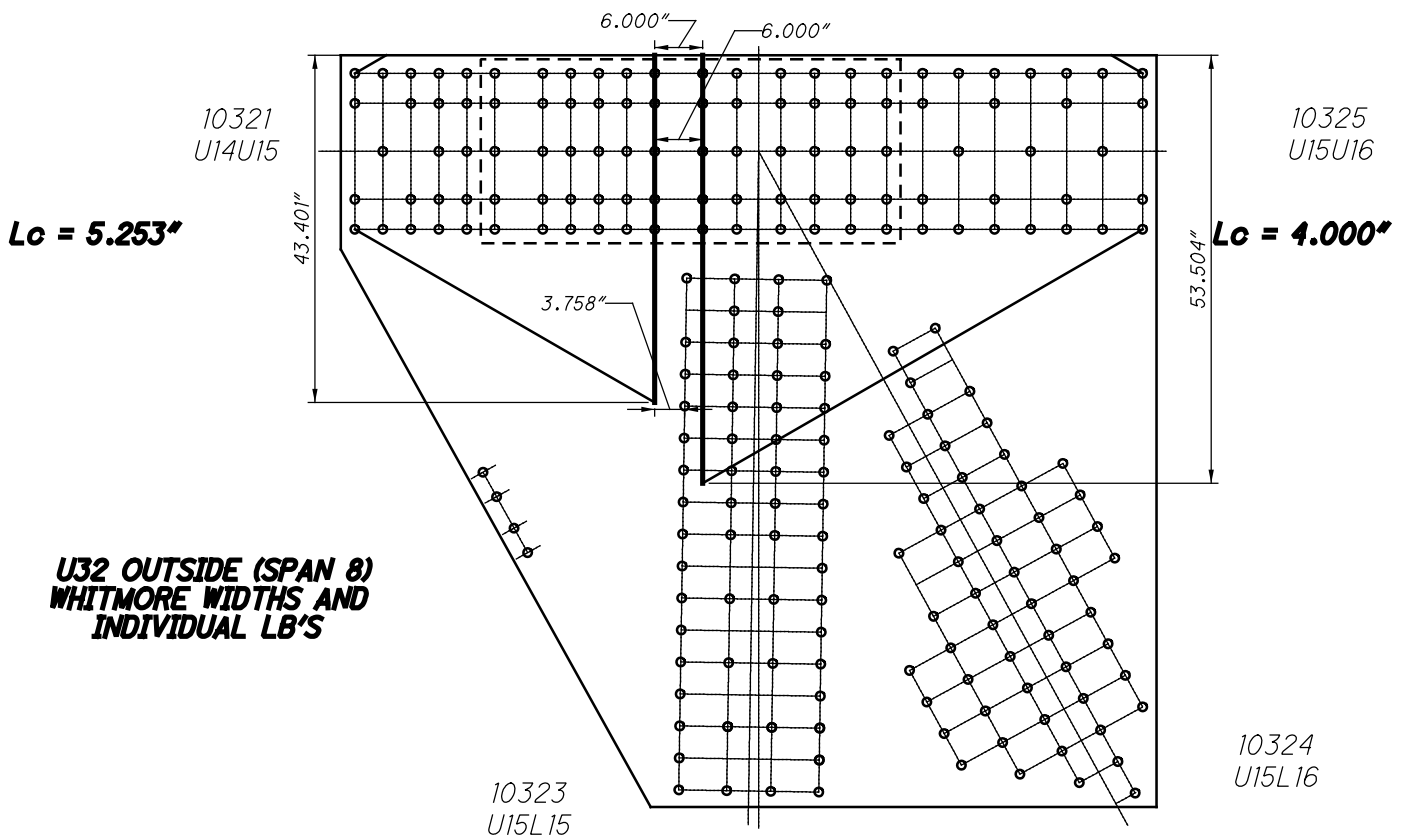
**U31 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U32 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



**U32 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U32 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

51 RIVETS
x 2 PLATES
=102 RIVETS

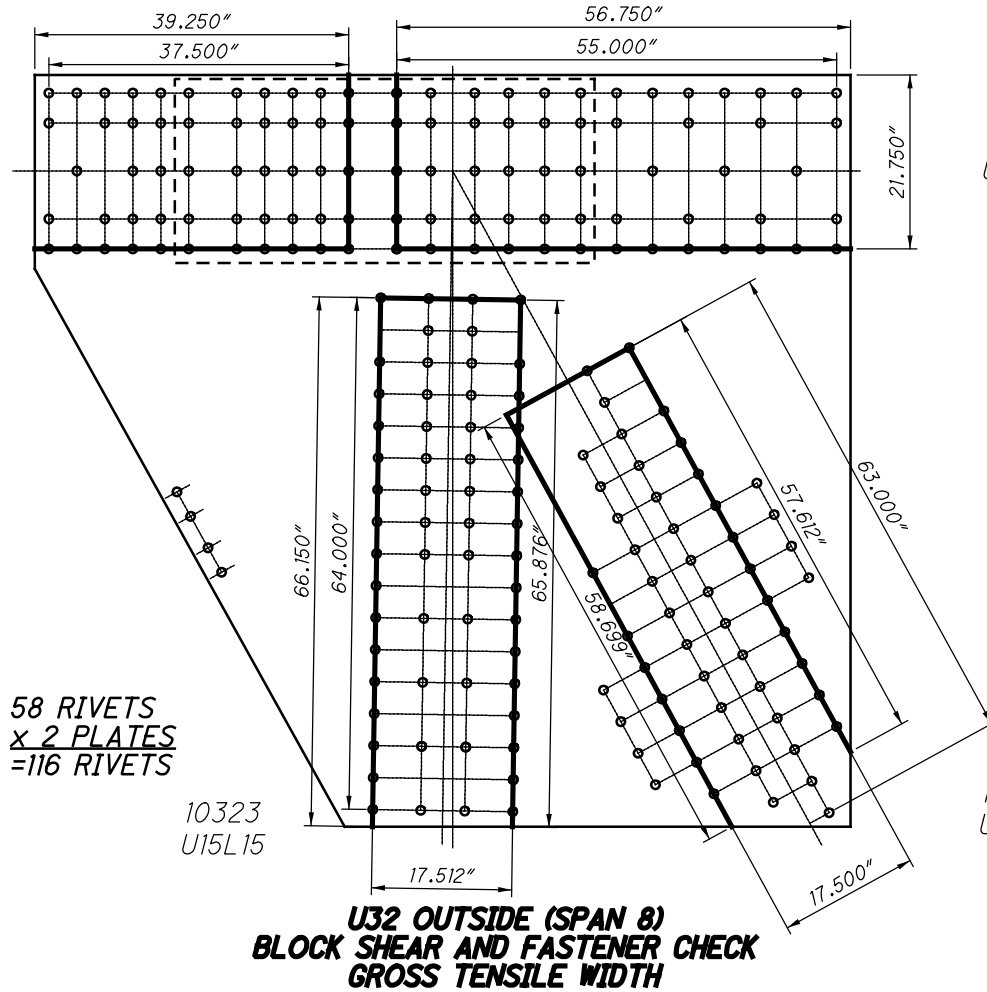
10321
U14U15

30 SPLICE P
x 2 PLATES
=60 RIVETS

55 RIVETS
x 2 PLATES
=110 RIVETS

10325
U15U16

30 SPLICE P
x 2 PLATES
=60 RIVETS

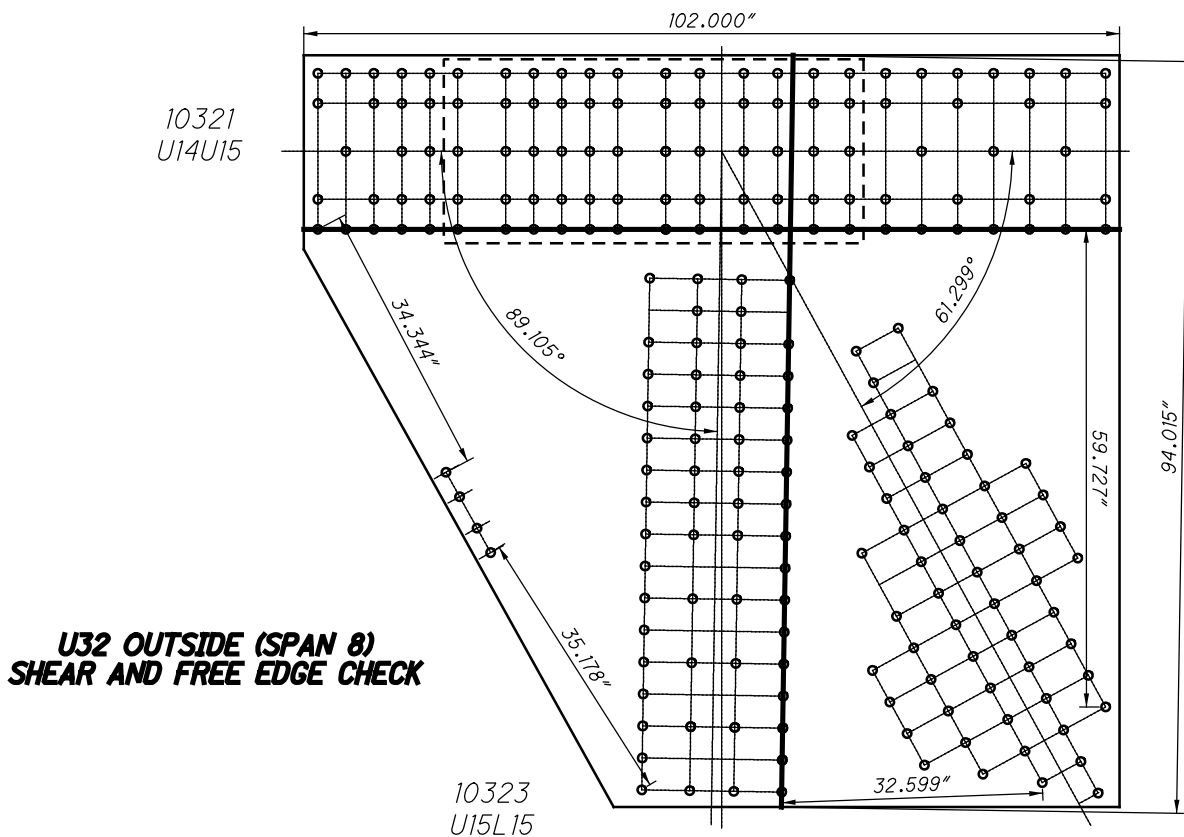


46 RIVETS
x 2 PLATES
=92 RIVETS

10324
U15L16

58 RIVETS
x 2 PLATES
=116 RIVETS

10323
U15L15

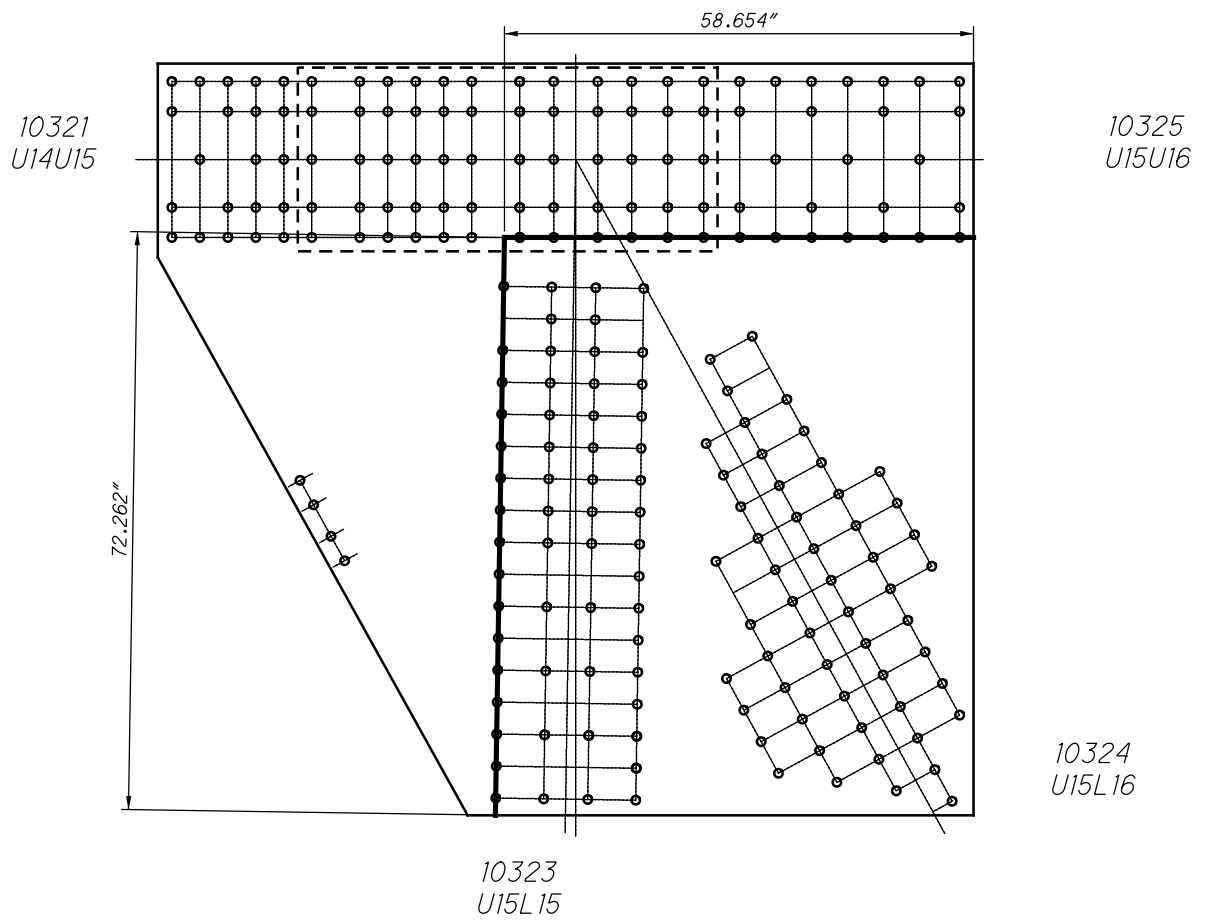


10321
U14U15

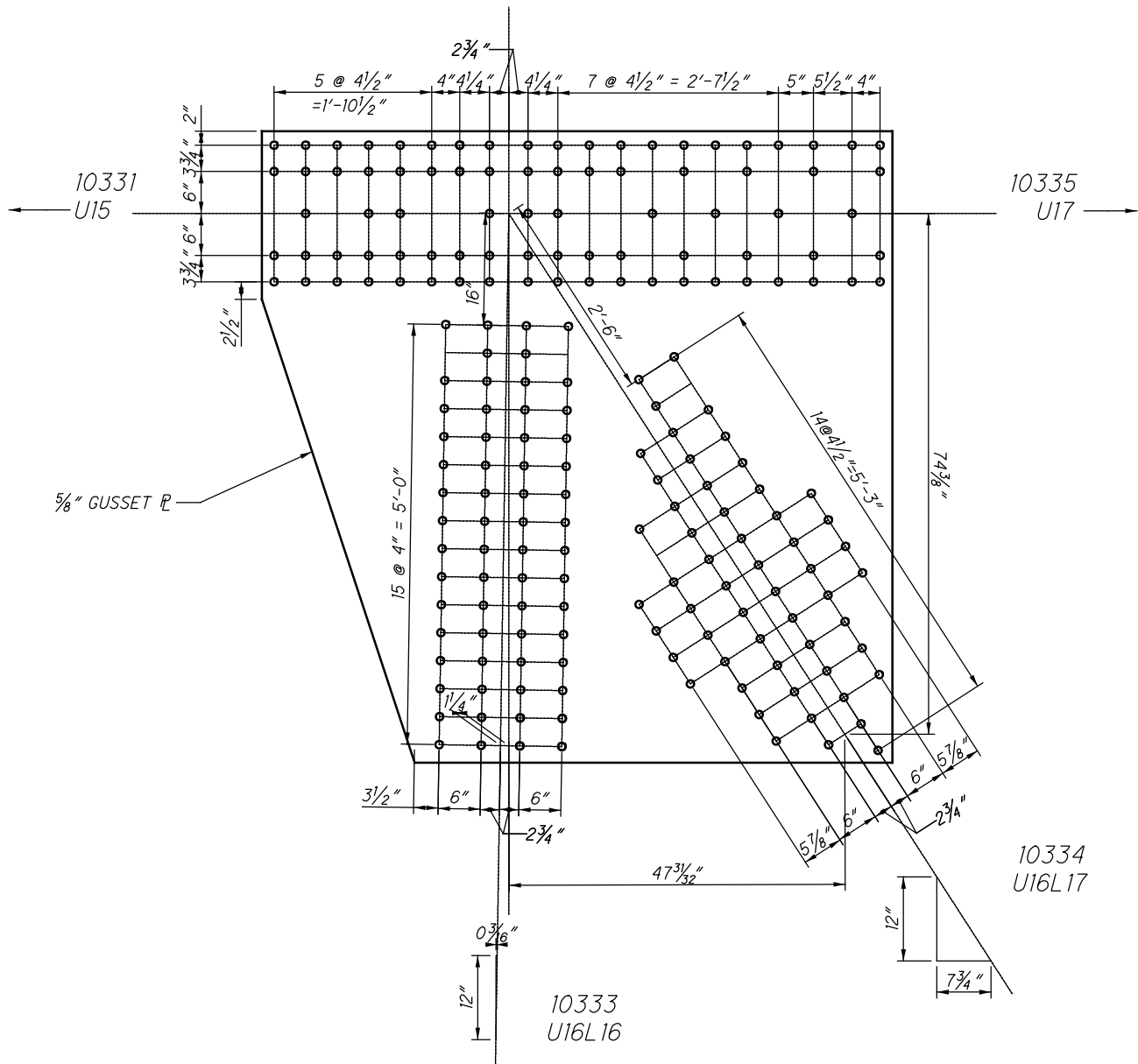
10325
U15U16

10323
U15L15

10324
U15L16



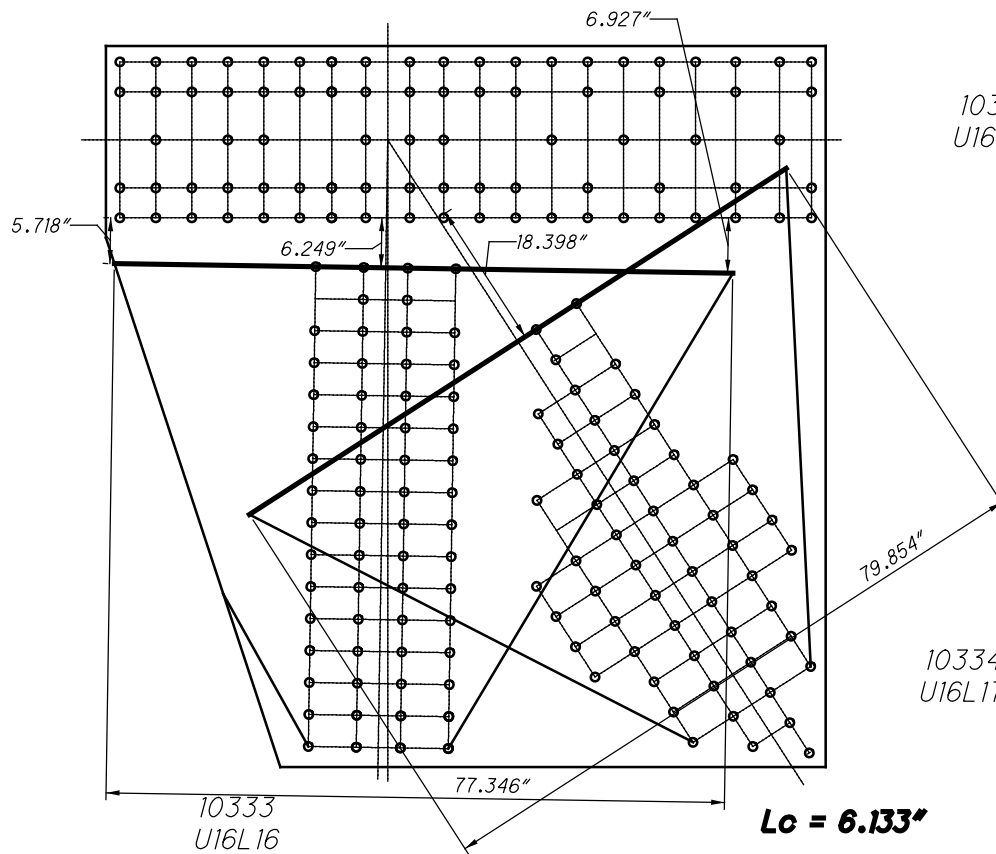
**U32 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U33 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

10331
U15U16

10335
U16U17



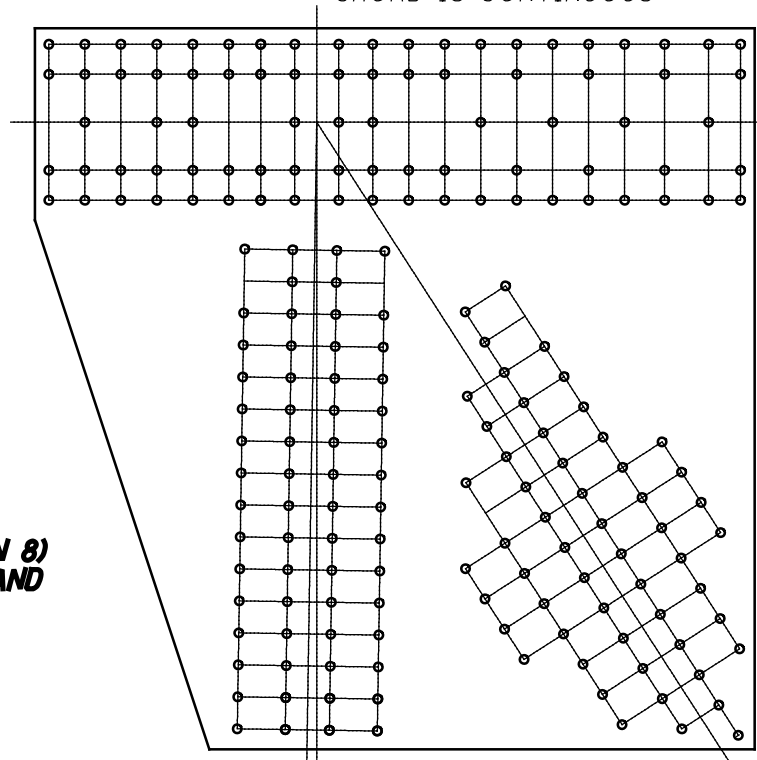
$L_c = 6.298"$

**U33 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10331
U15U16

10335
U16U17



**U33 OUTSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

10333
U16L16

10334
U16L17

10331
U15U16

10335
U16U17

62 RIVETS
x 2 PLATES
=124 RIVETS

10333
U16L16

10334
U16L17

47 RIVETS
x 2 PLATES
=94 RIVETS

**U33 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

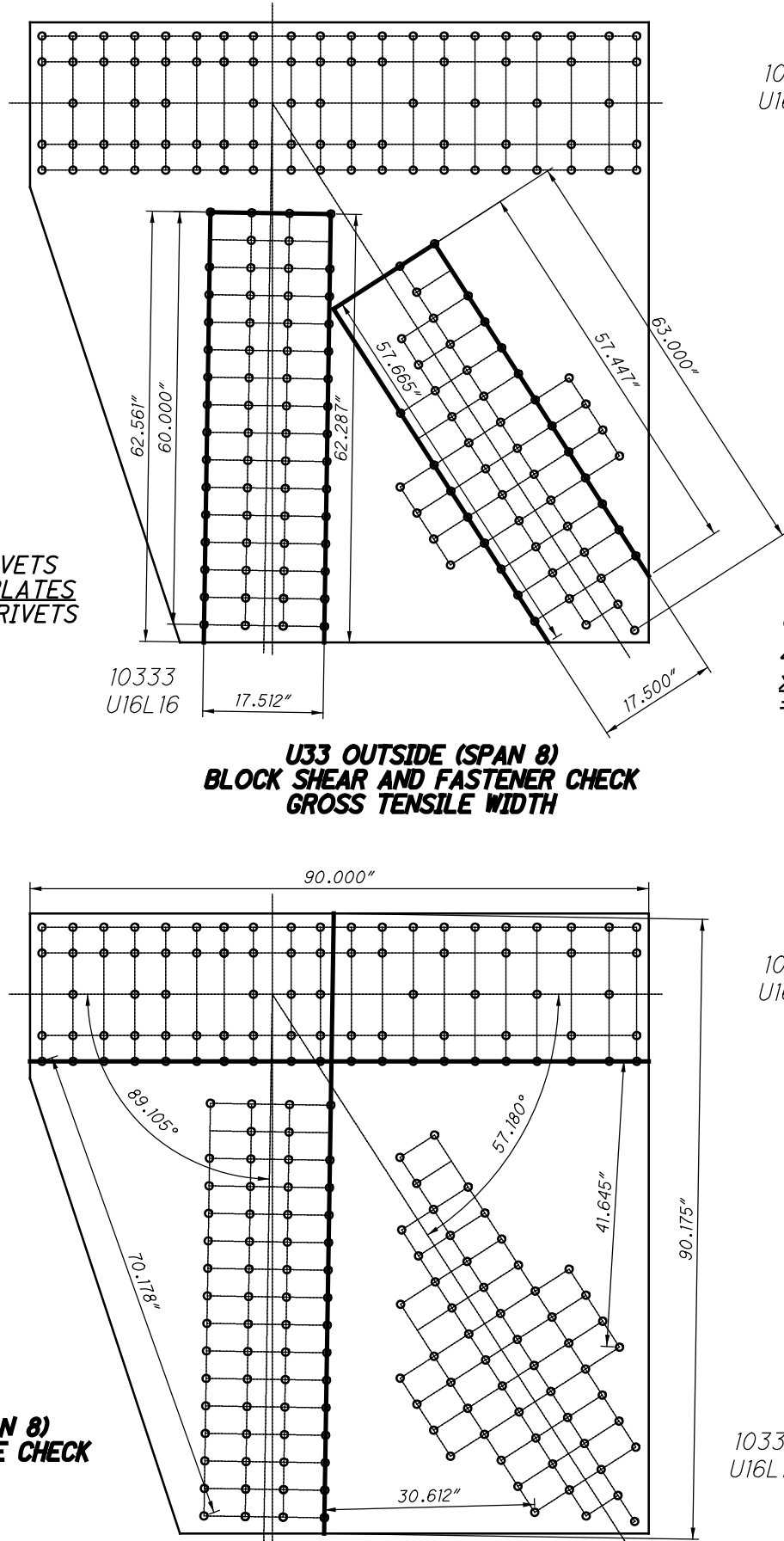
10331
U15U16

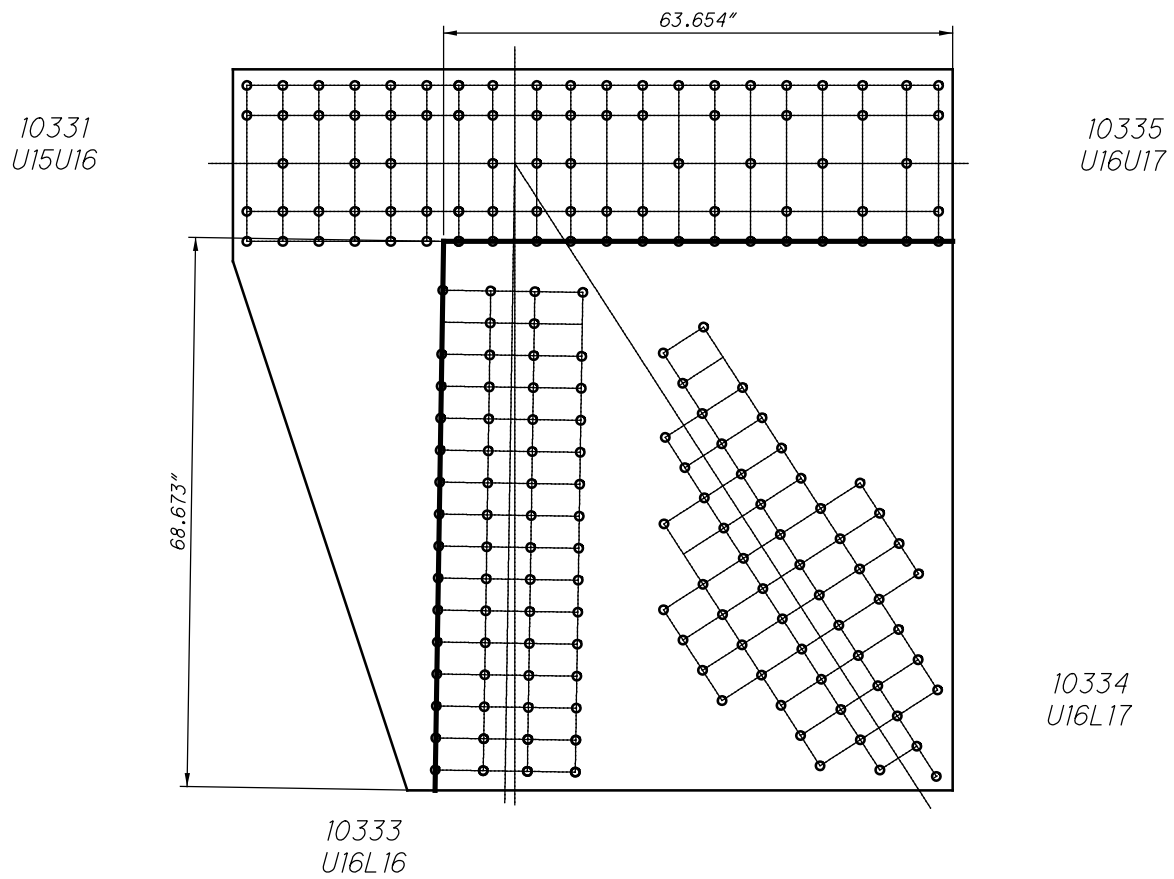
10335
U16U17

**U33 OUTSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

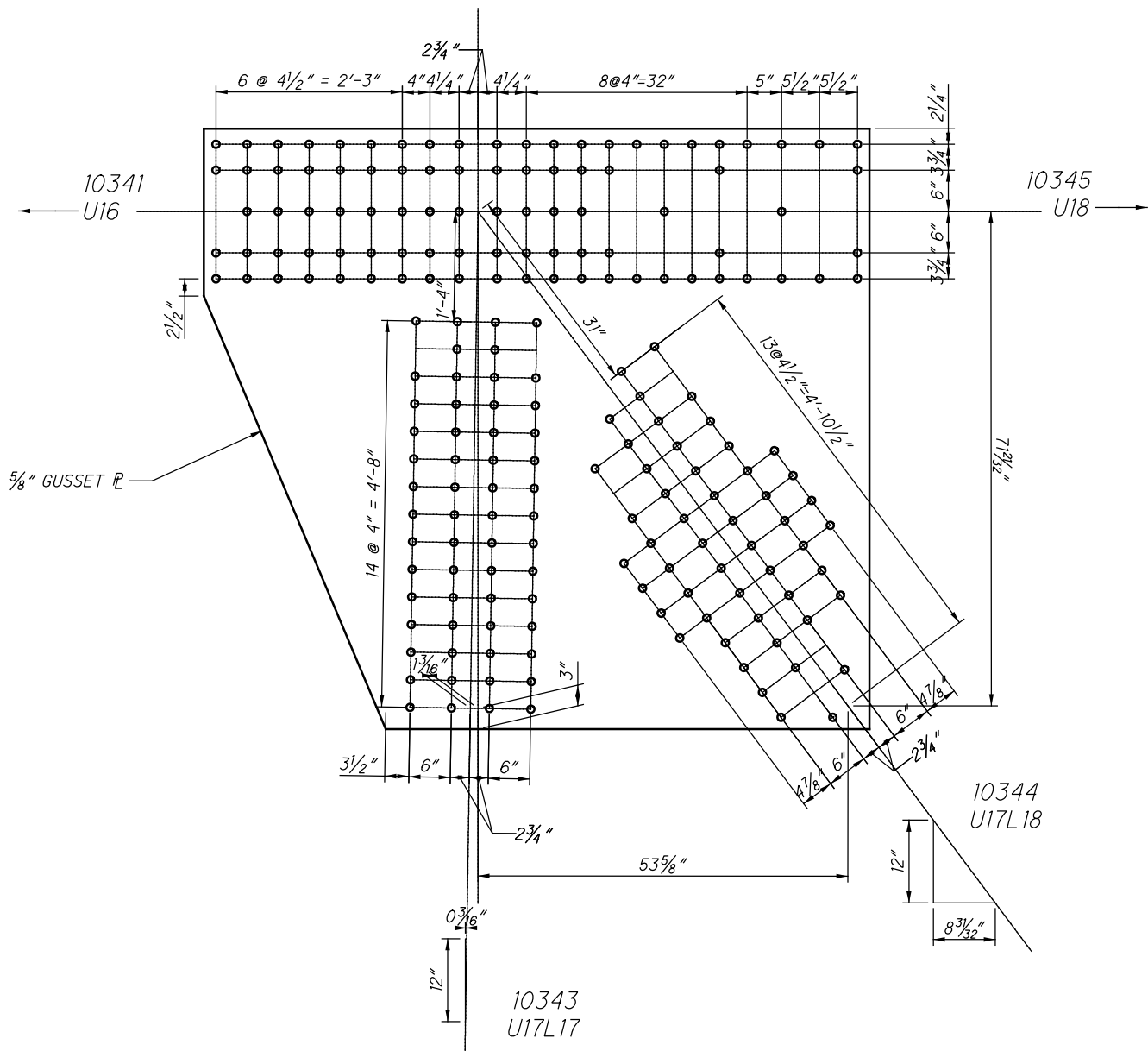
10333
U16L16

10334
U16L17





**U33 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U34 OUTSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

11034 AND 41034

34 RIVETS
x 2 PLATES
=68 RIVETS

10341
U16U17

56 RIVETS
x 2 PLATES
=112 RIVETS

10345
U17U18

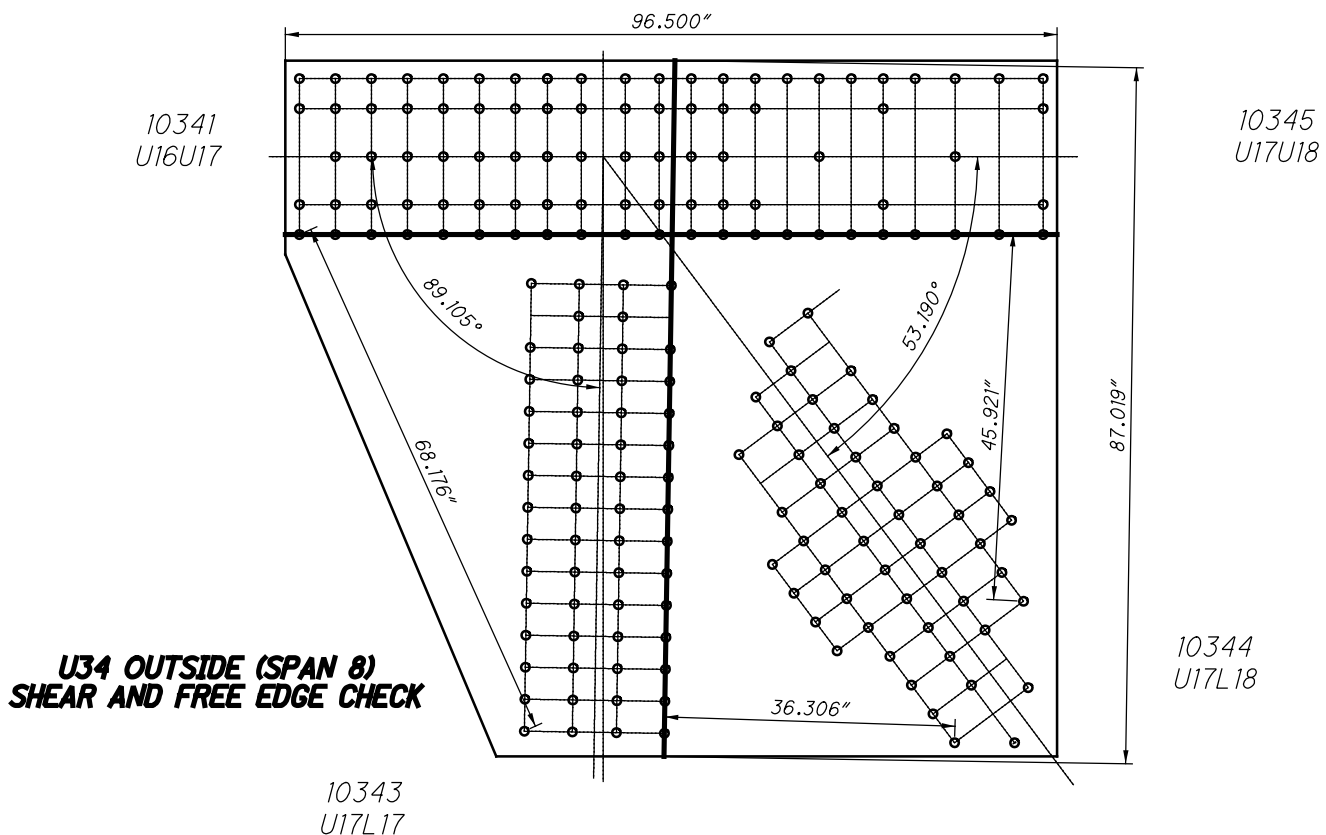
58 RIVETS
x 2 PLATES
=116 RIVETS

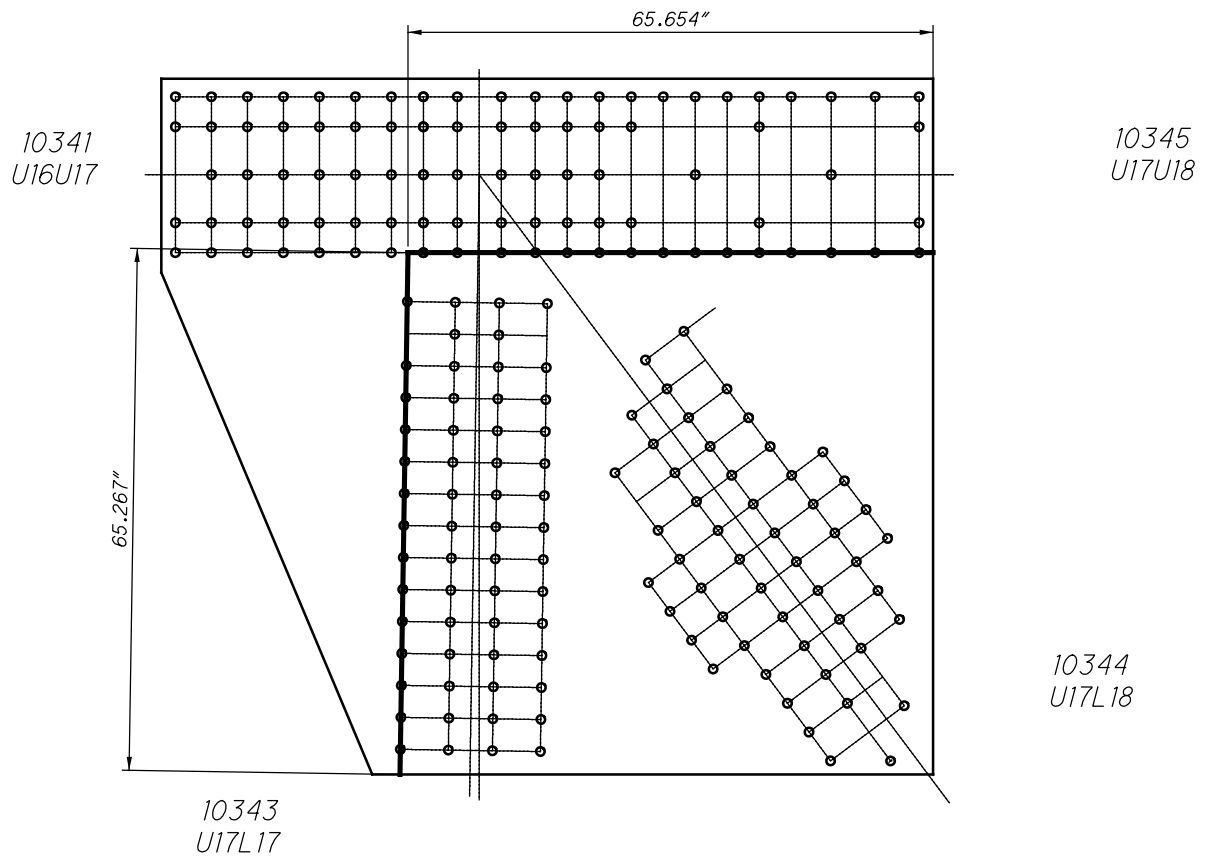
10343
U17L17

10344
U17L18

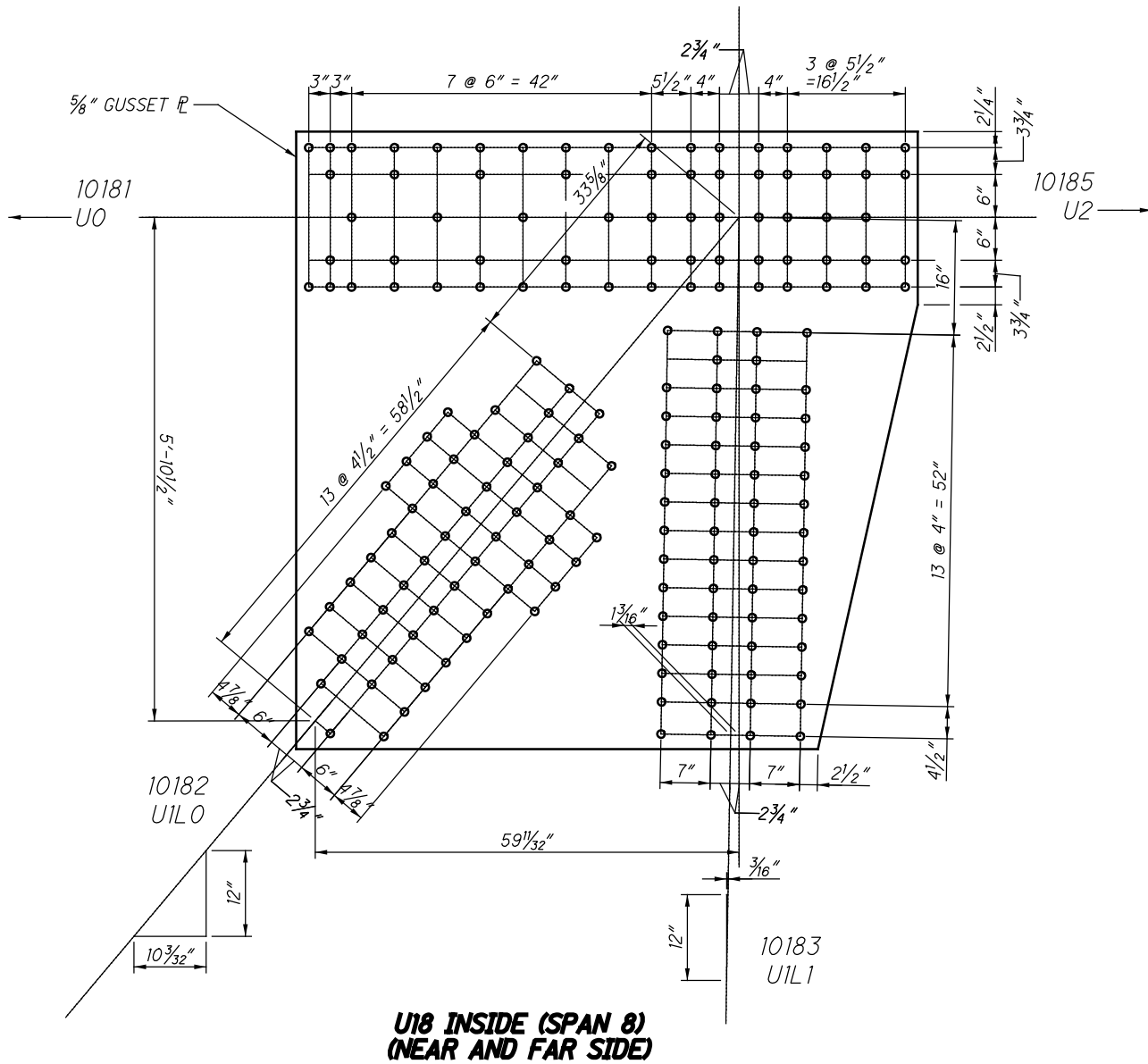
44 RIVETS
x 2 PLATES
=88 RIVETS

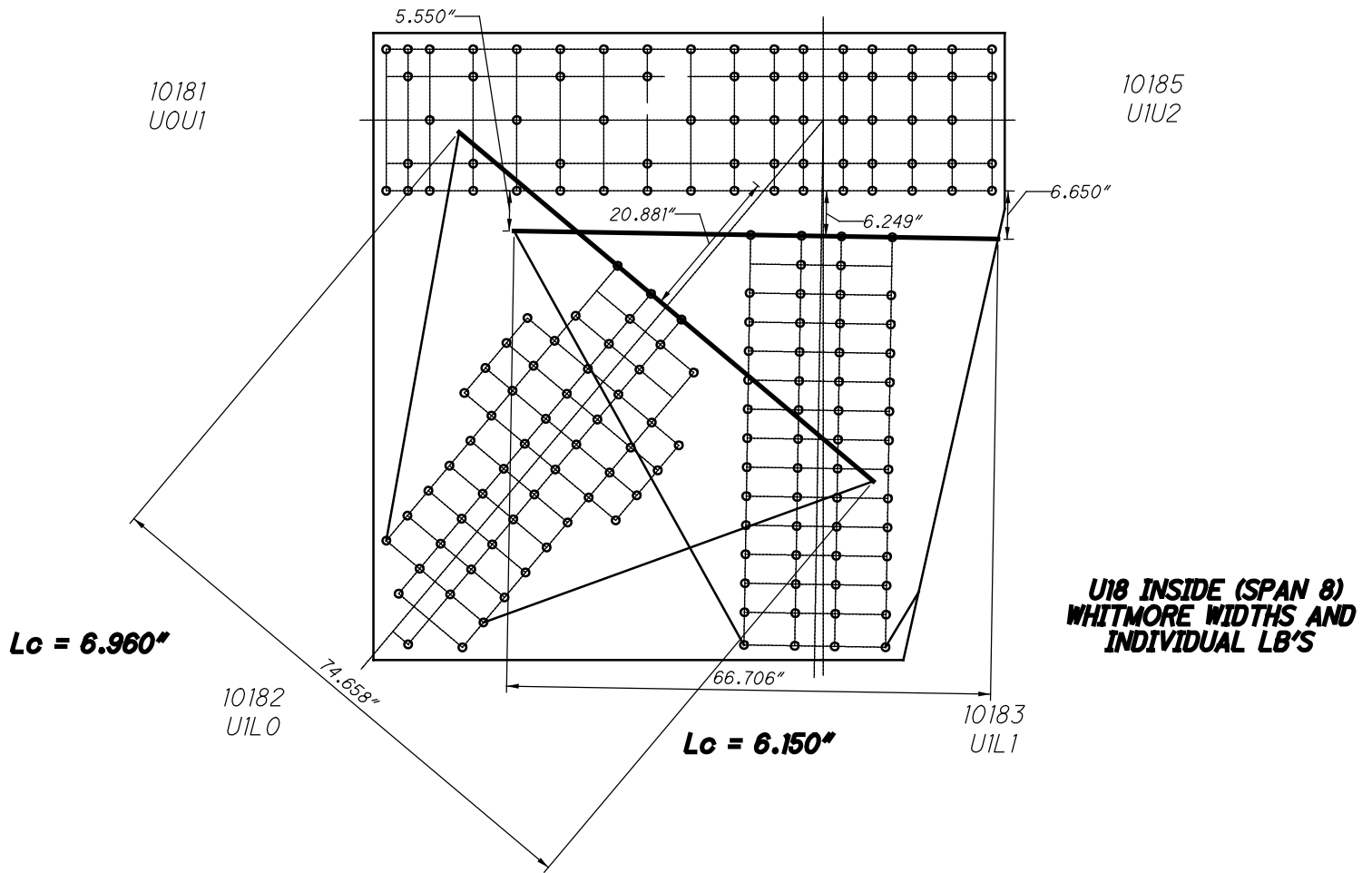
**U34 OUTSIDE (SPAN 8)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



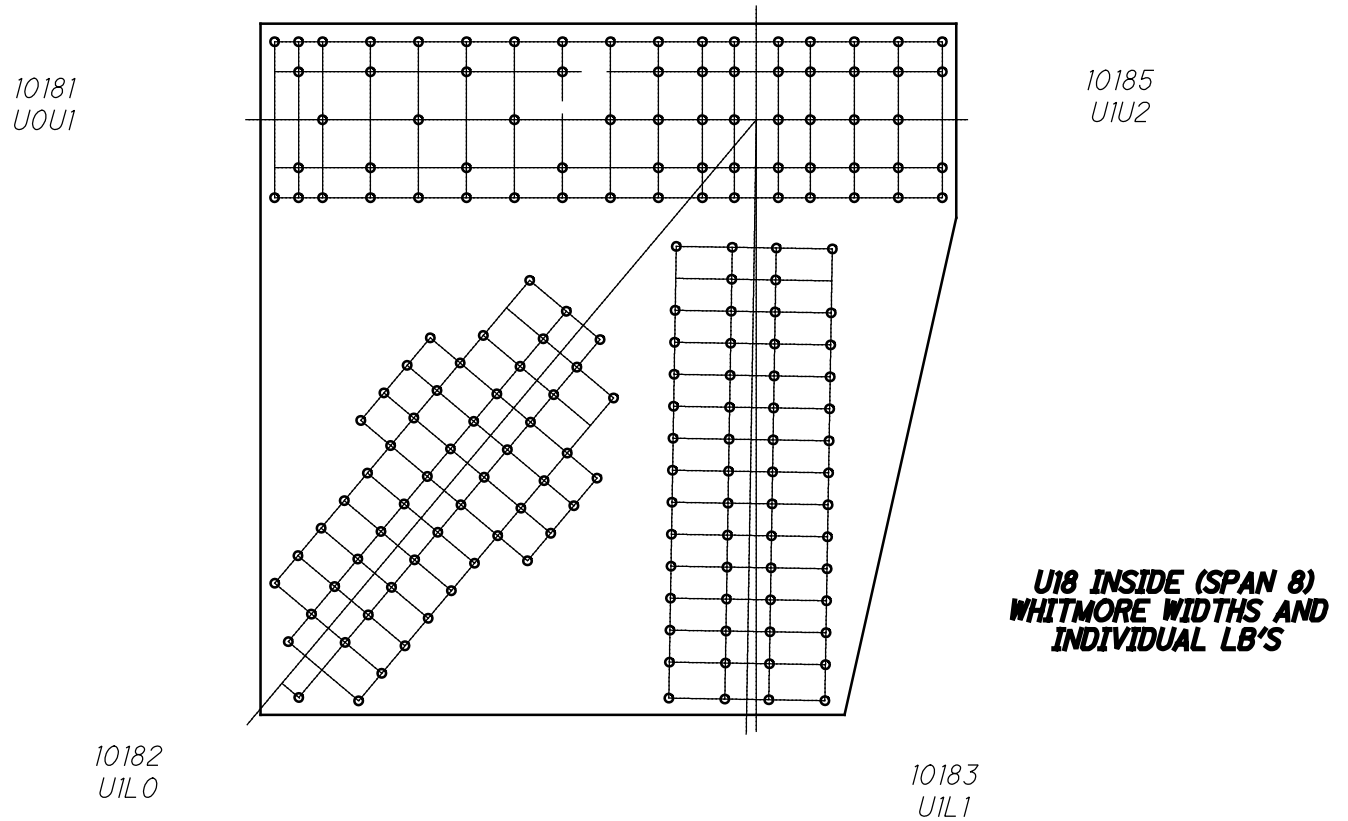


**U34 OUTSIDE (SPAN 8)
QUADRANT DIMENSIONS**



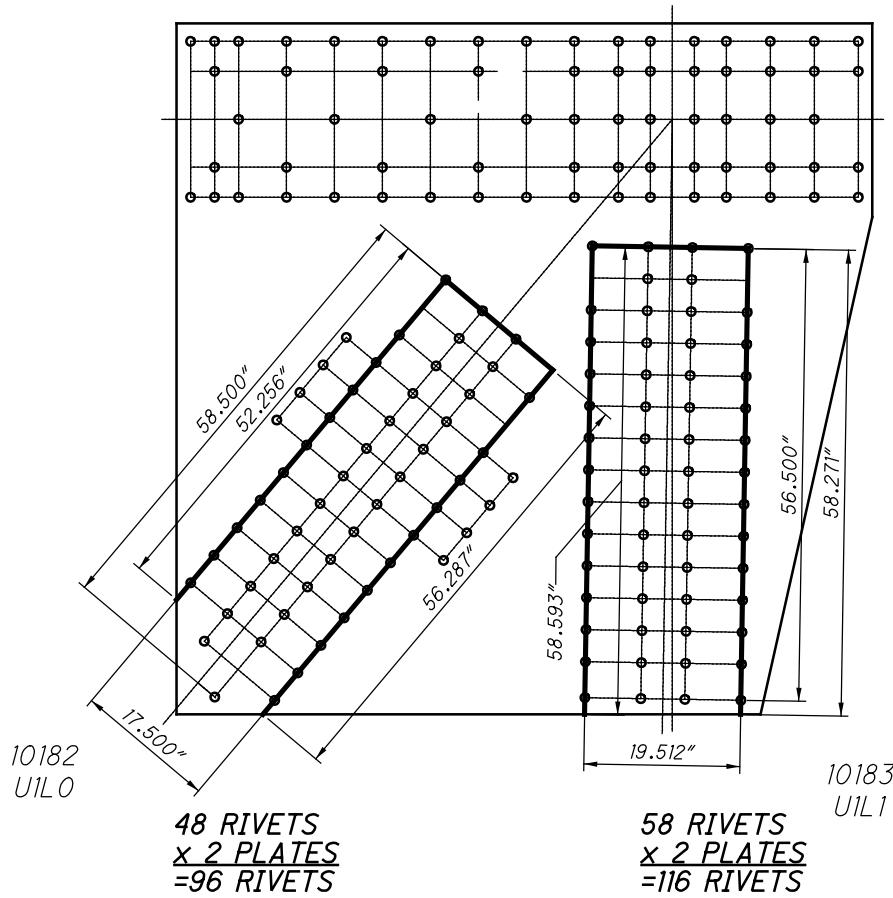


CHORD IS CONTINUOUS



10181
UOU1

10185
UIU2



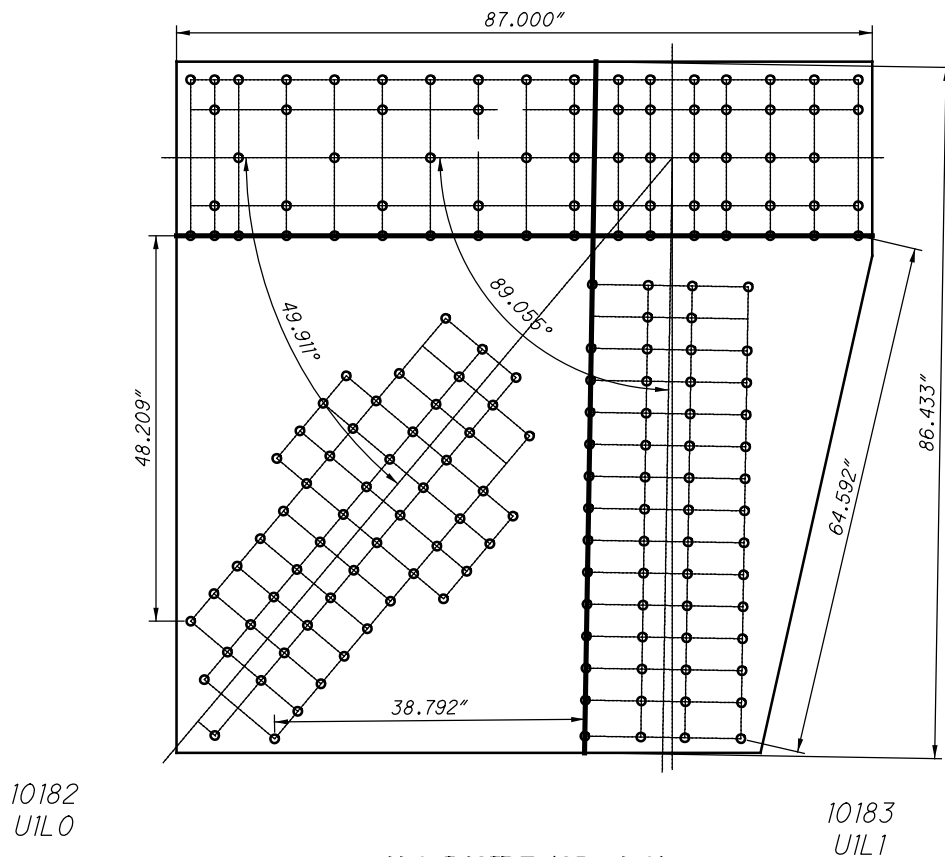
**U18 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

10182
UILO

10183
UIL1

10181
UOU1

10185
UIU2



**U18 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

10182
UILO

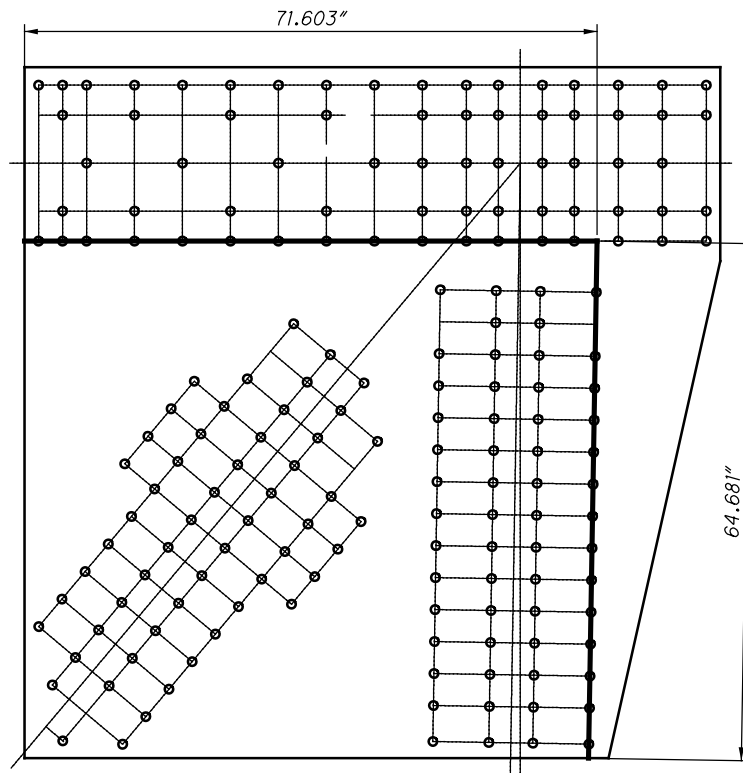
10183
UIL1

10181
U0U1

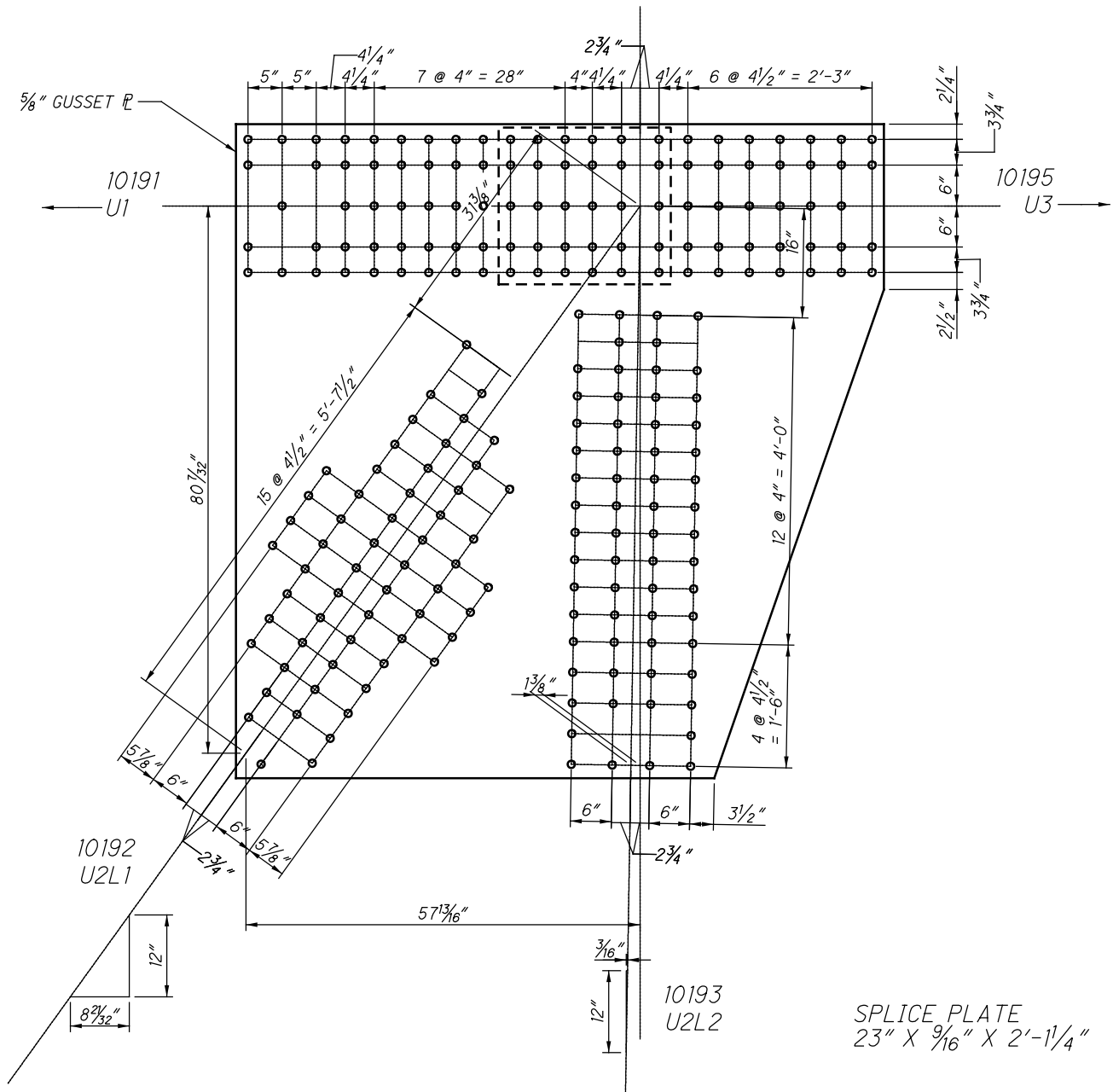
10185
U1U2

10182
U1L0

10183
U1L1

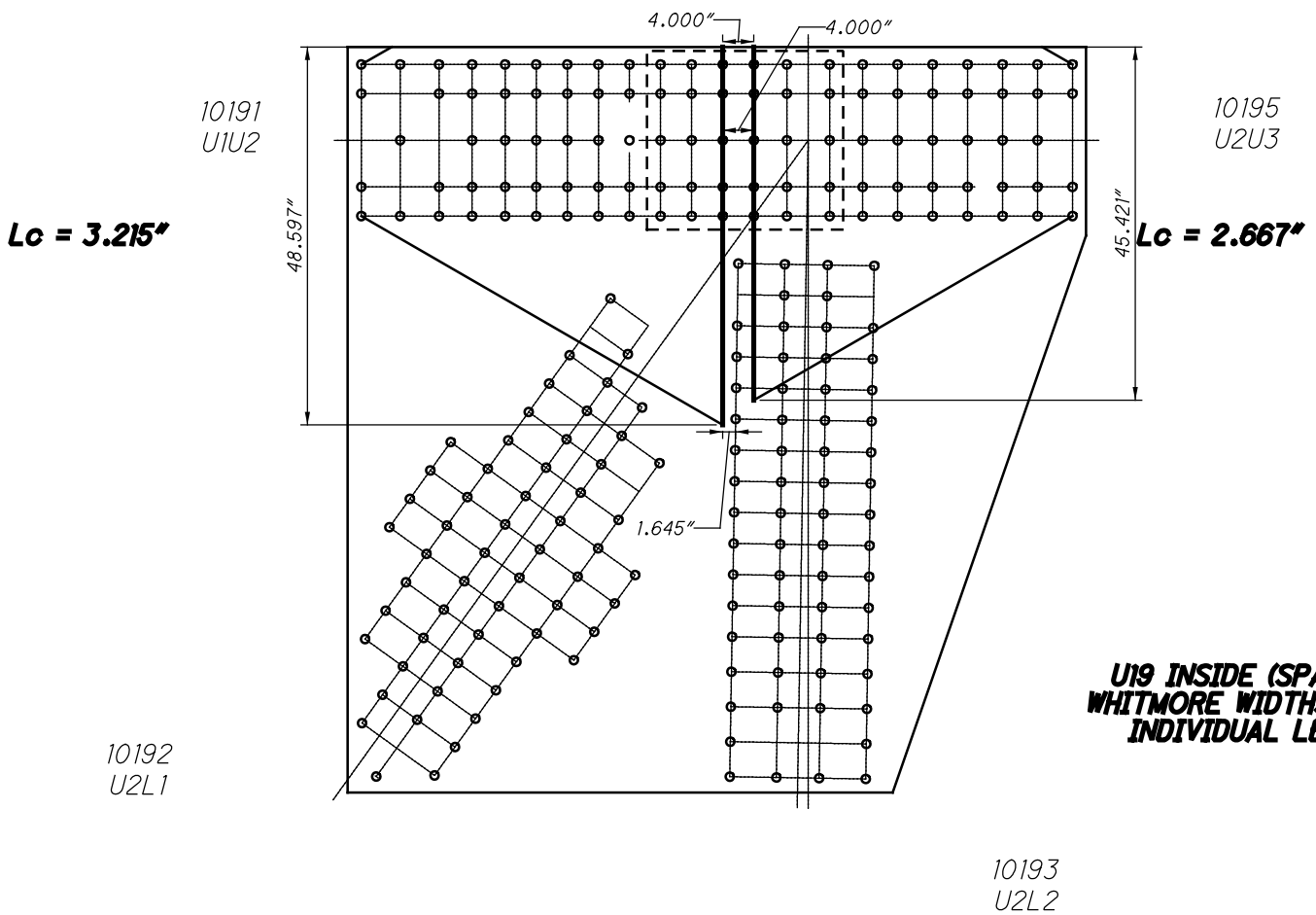
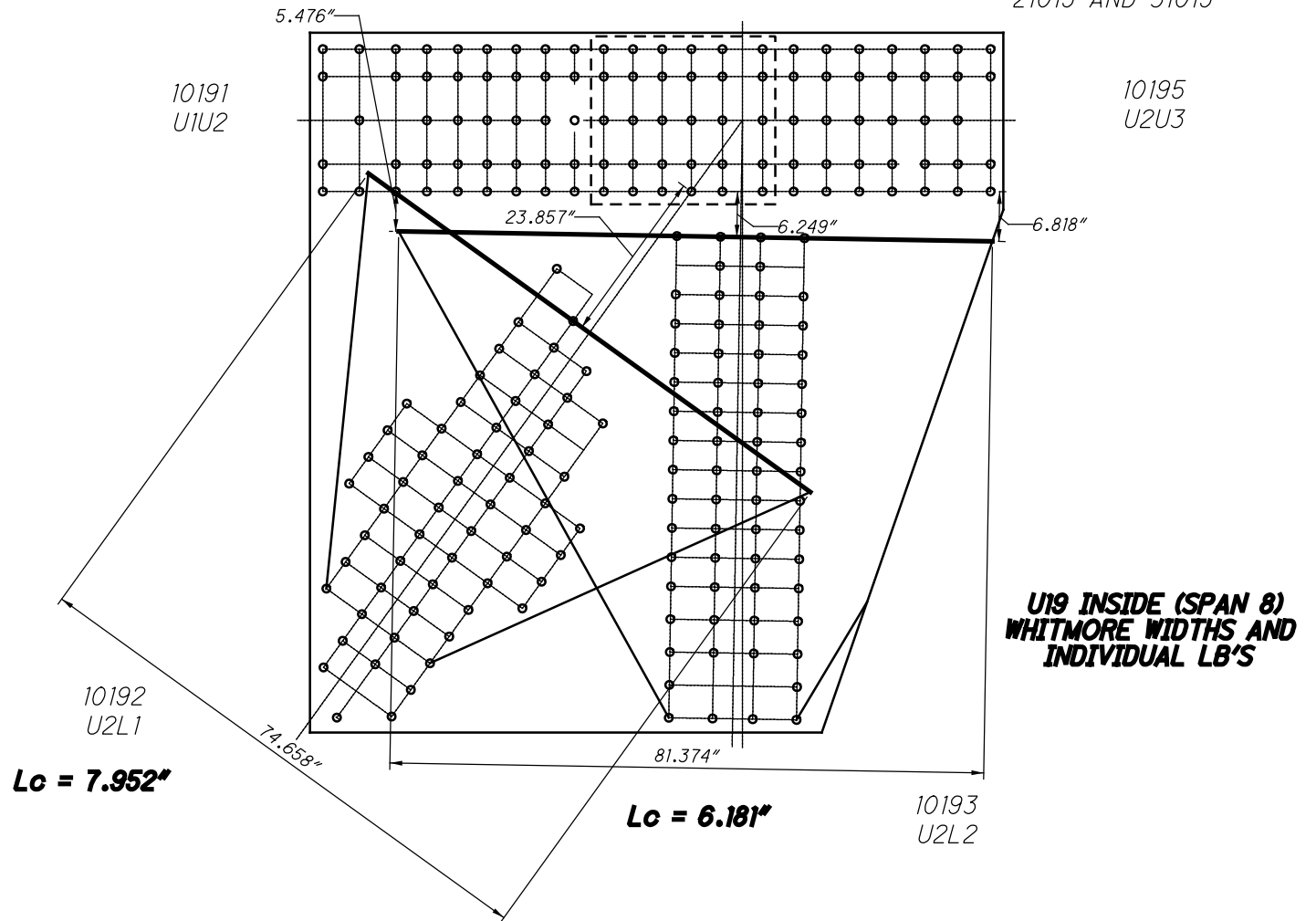


**U18 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U19 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

21019 AND 31019



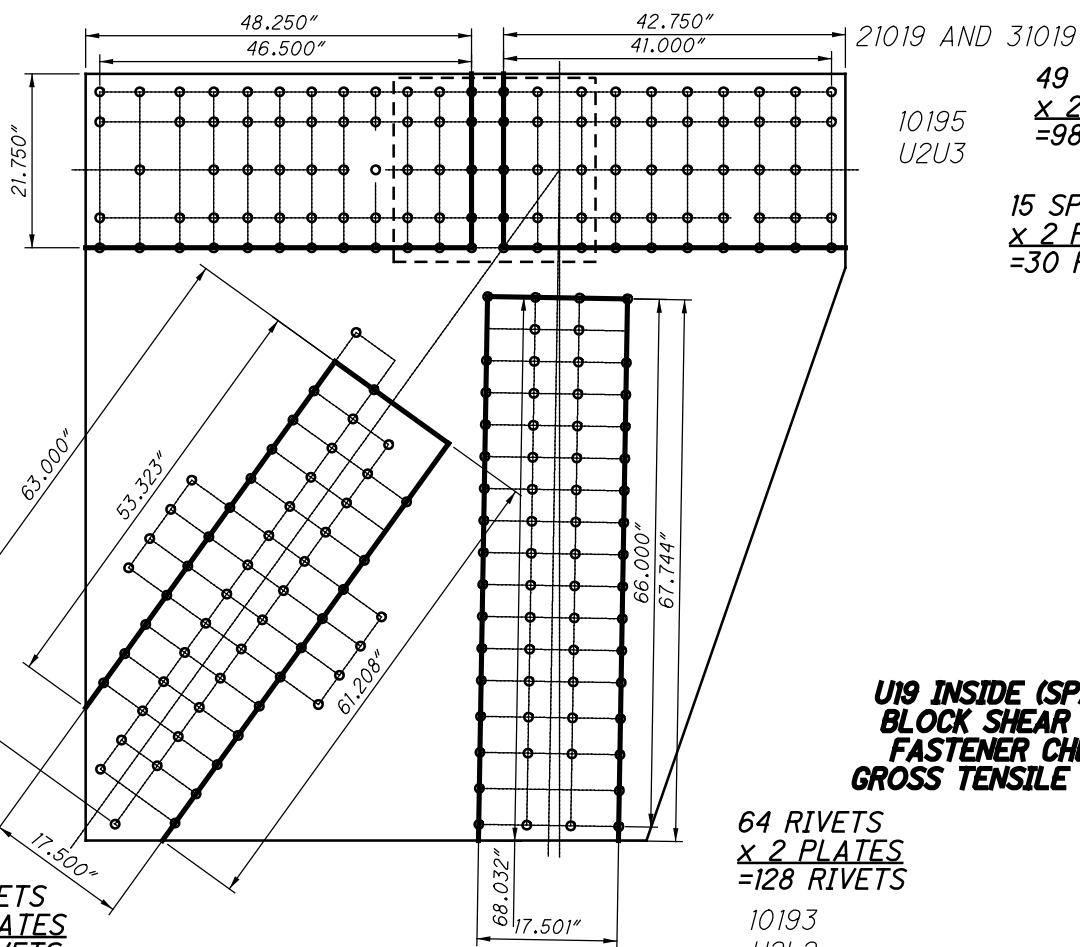
56 RIVETS
x 2 PLATES
=112 RIVETS

15 SPLICE P
x 2 PLATES
=30 RIVETS

10191
U1U2

10192
U2L1

49 RIVETS
x 2 PLATES
=98 RIVETS



49 RIVETS
x 2 PLATES
=98 RIVETS

15 SPLICE P
x 2 PLATES
=30 RIVETS

10195
U2U3

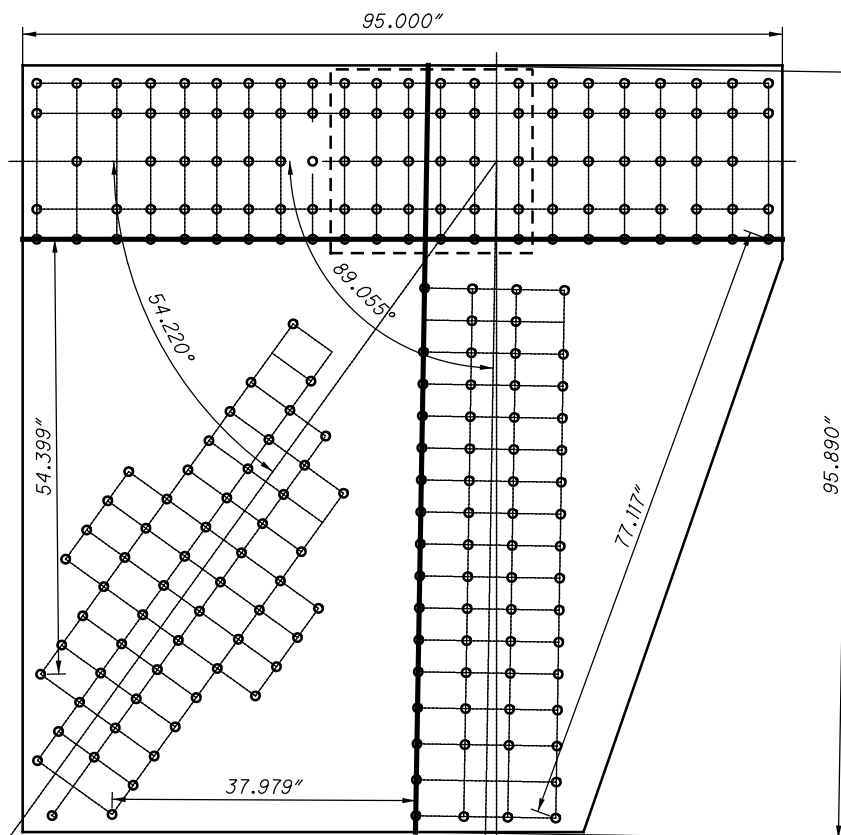
U19 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH

64 RIVETS
x 2 PLATES
=128 RIVETS

10193
U2L2

10191
U1U2

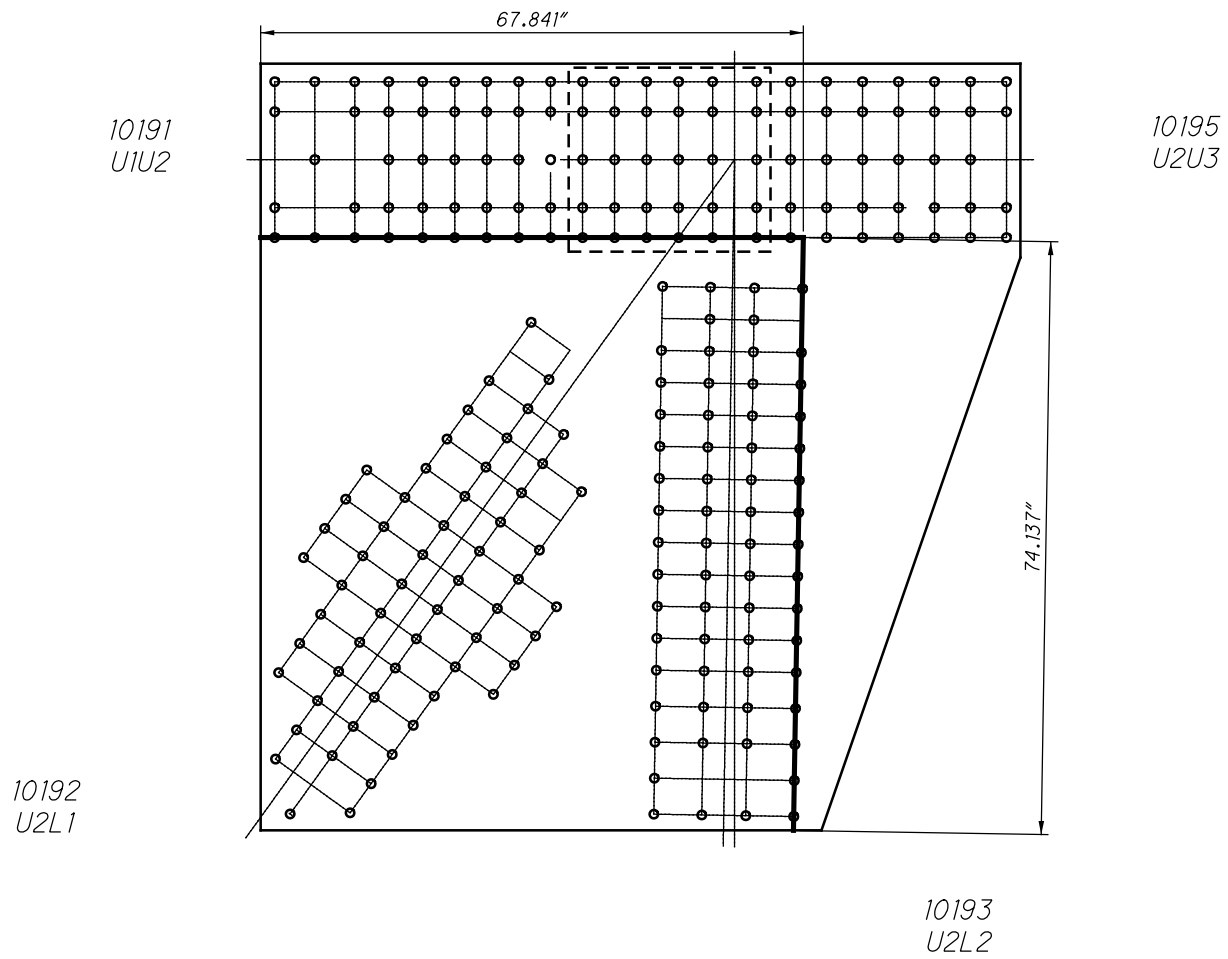
10192
U2L1



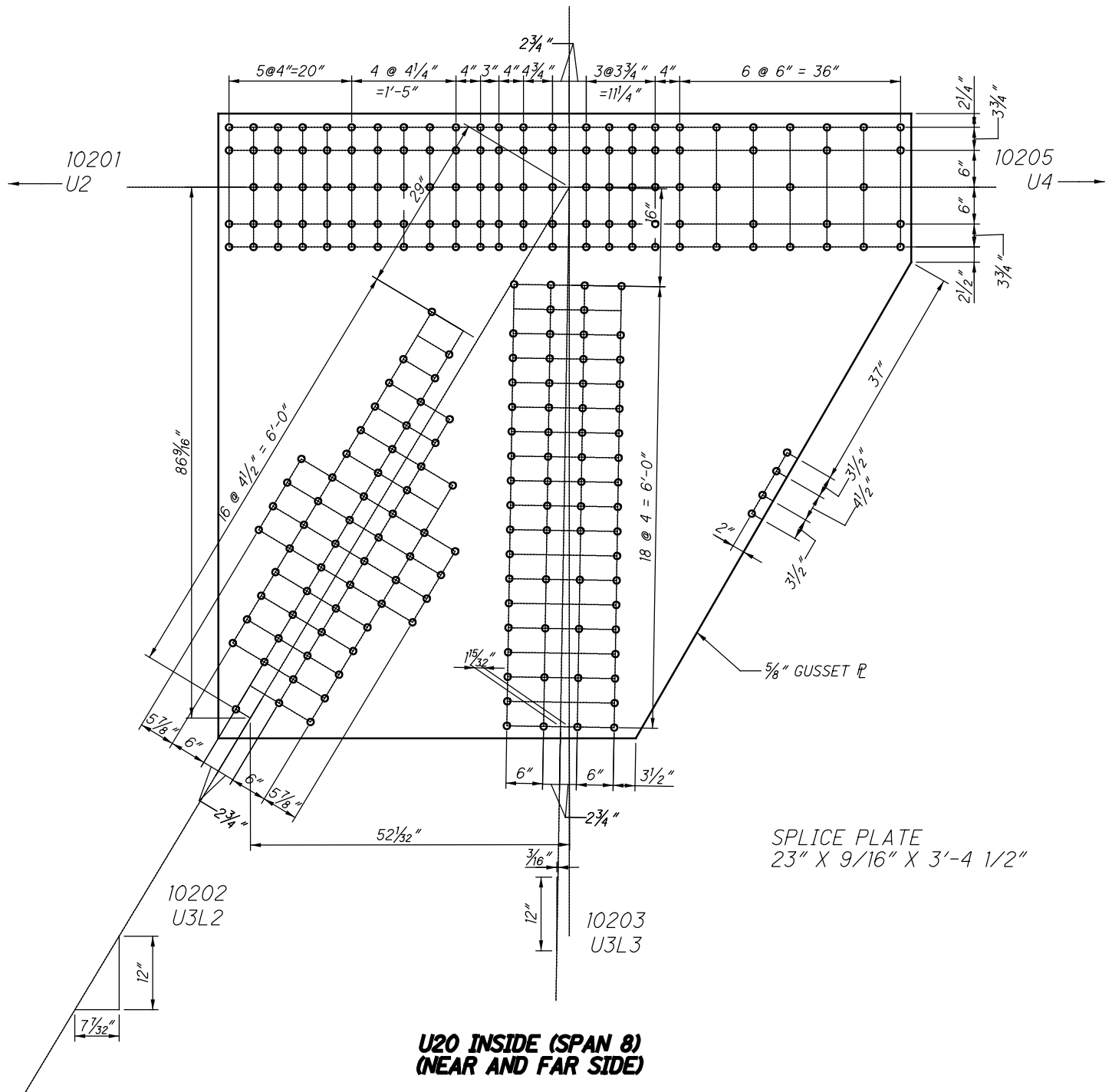
10195
U2U3

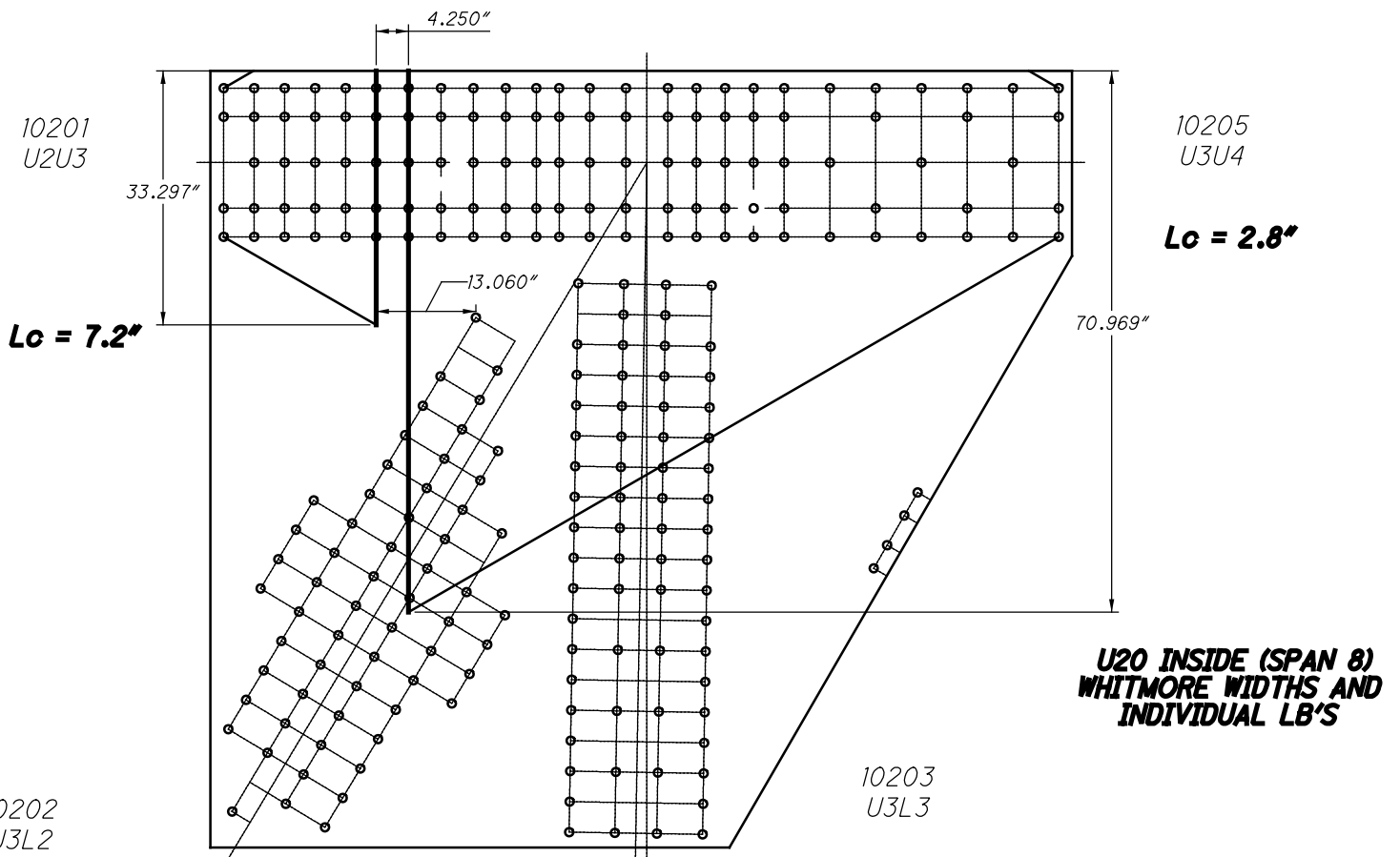
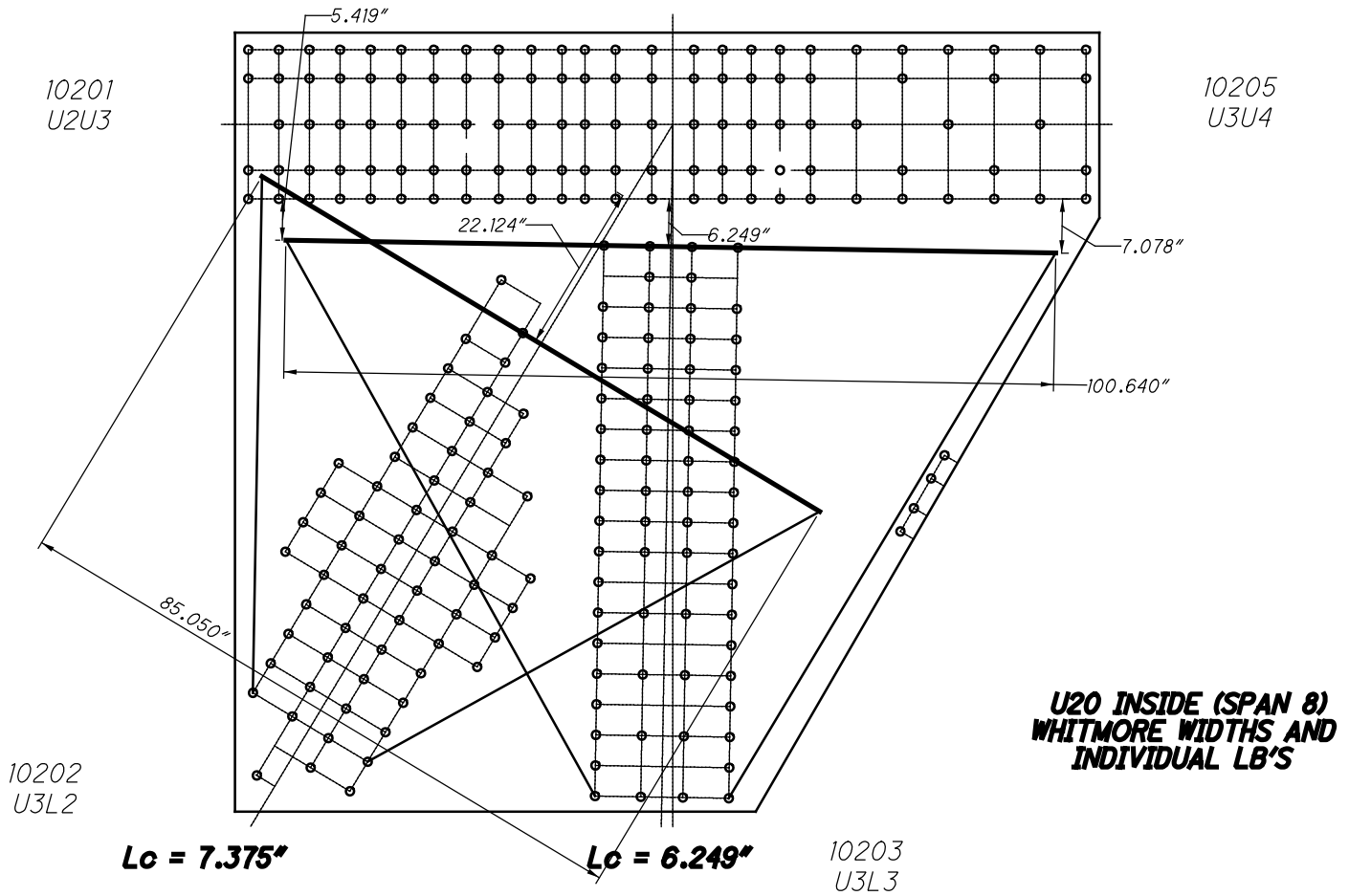
U19 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK

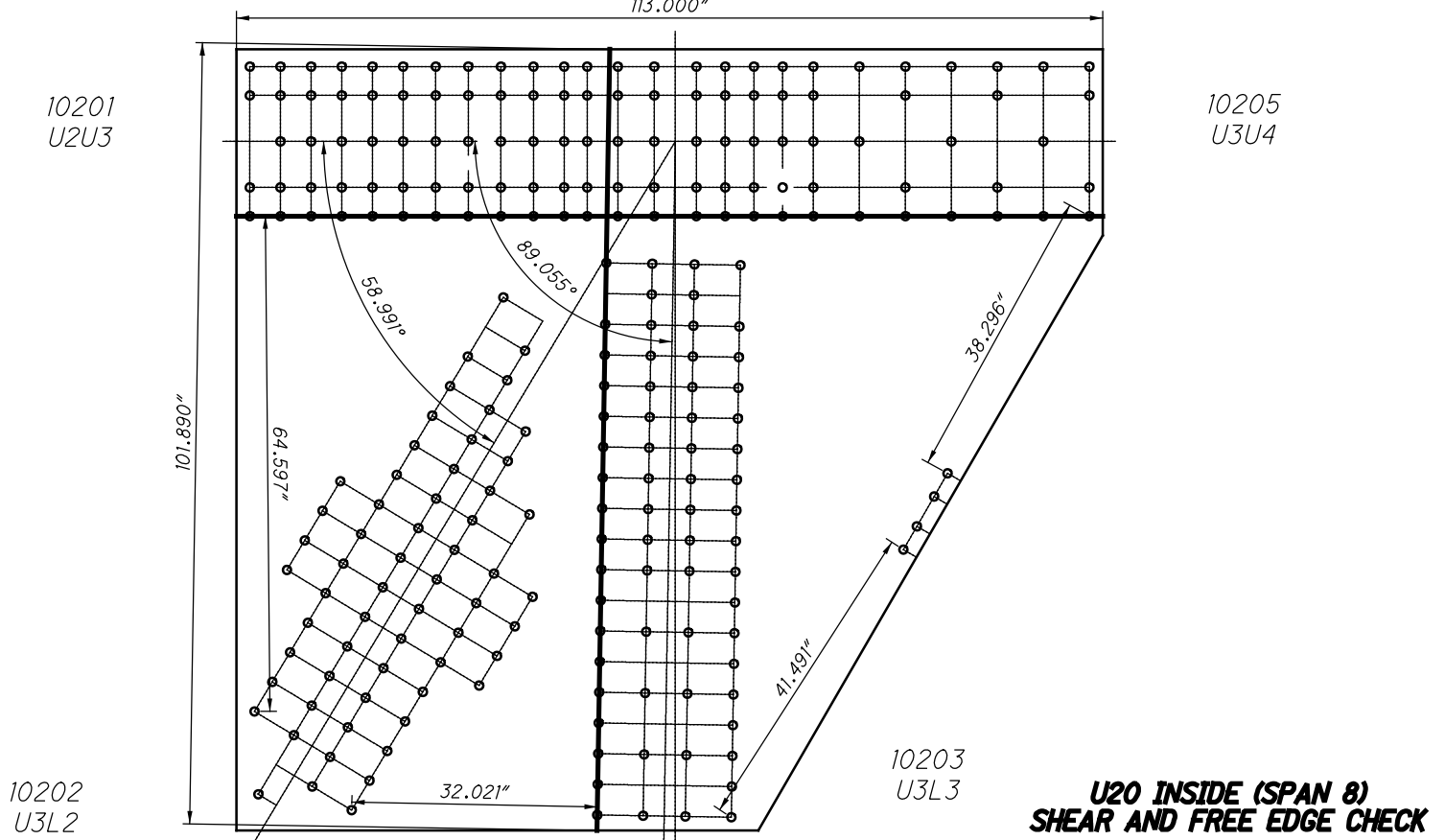
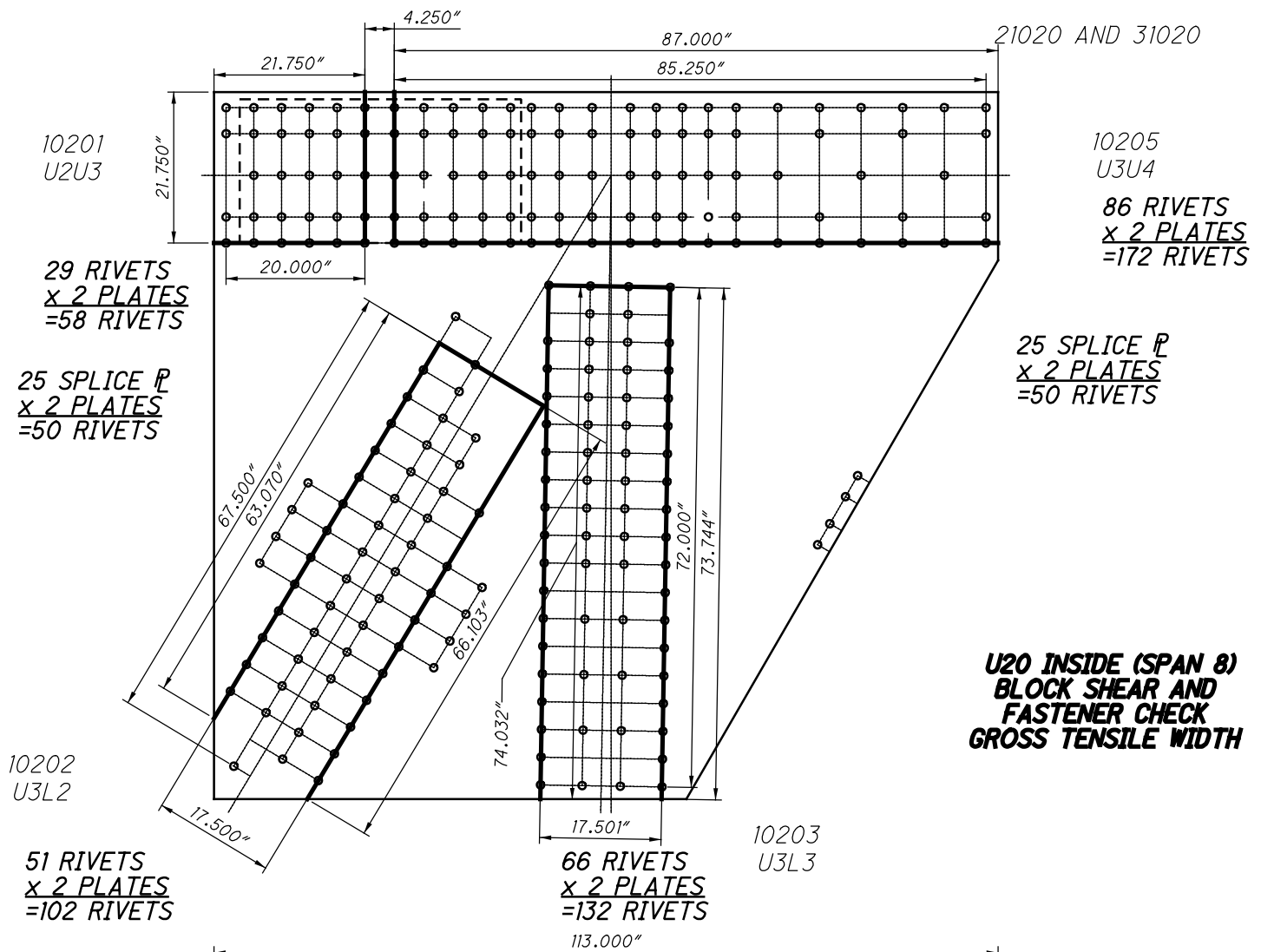
10193
U2L2

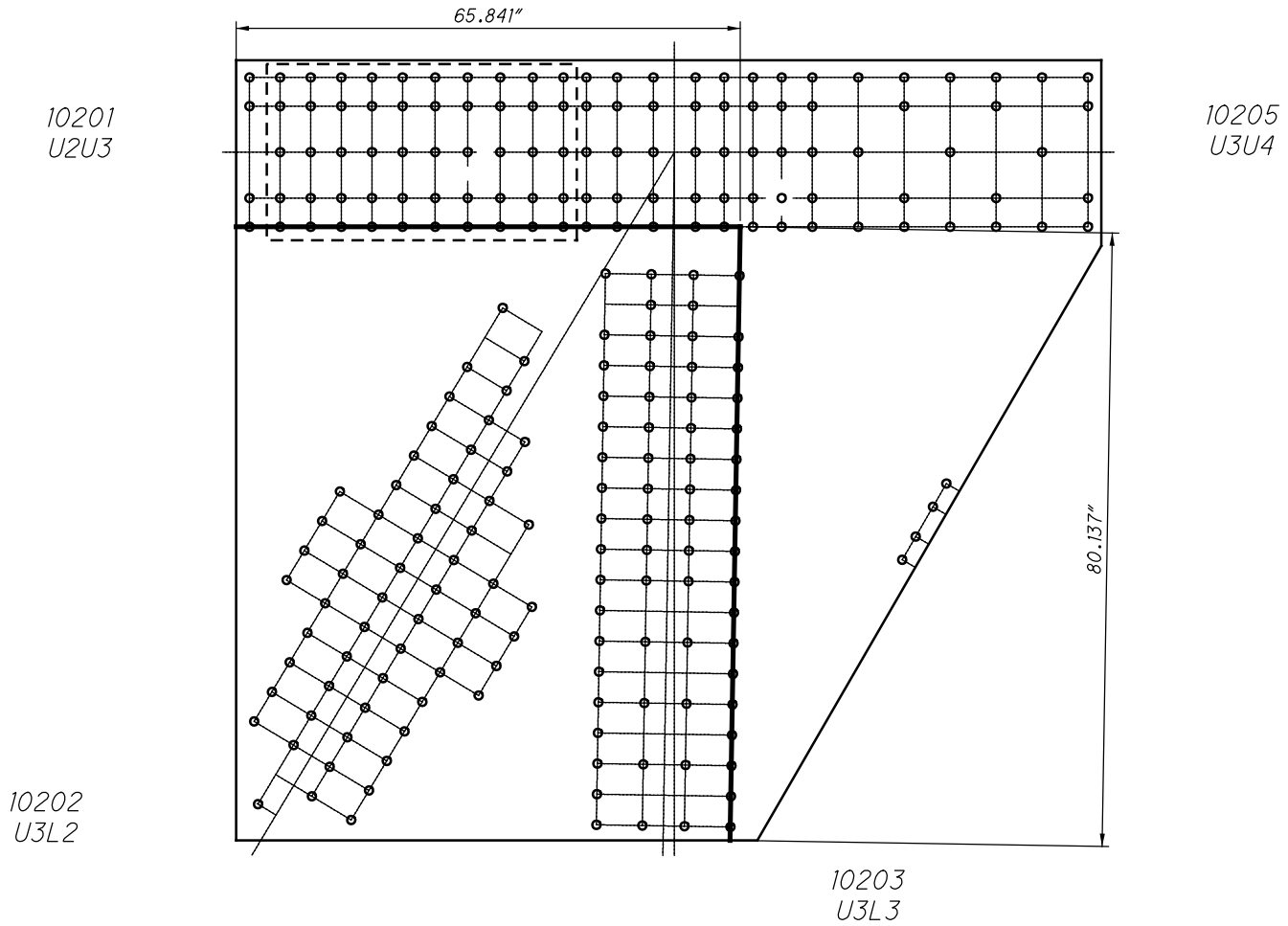


**U19 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

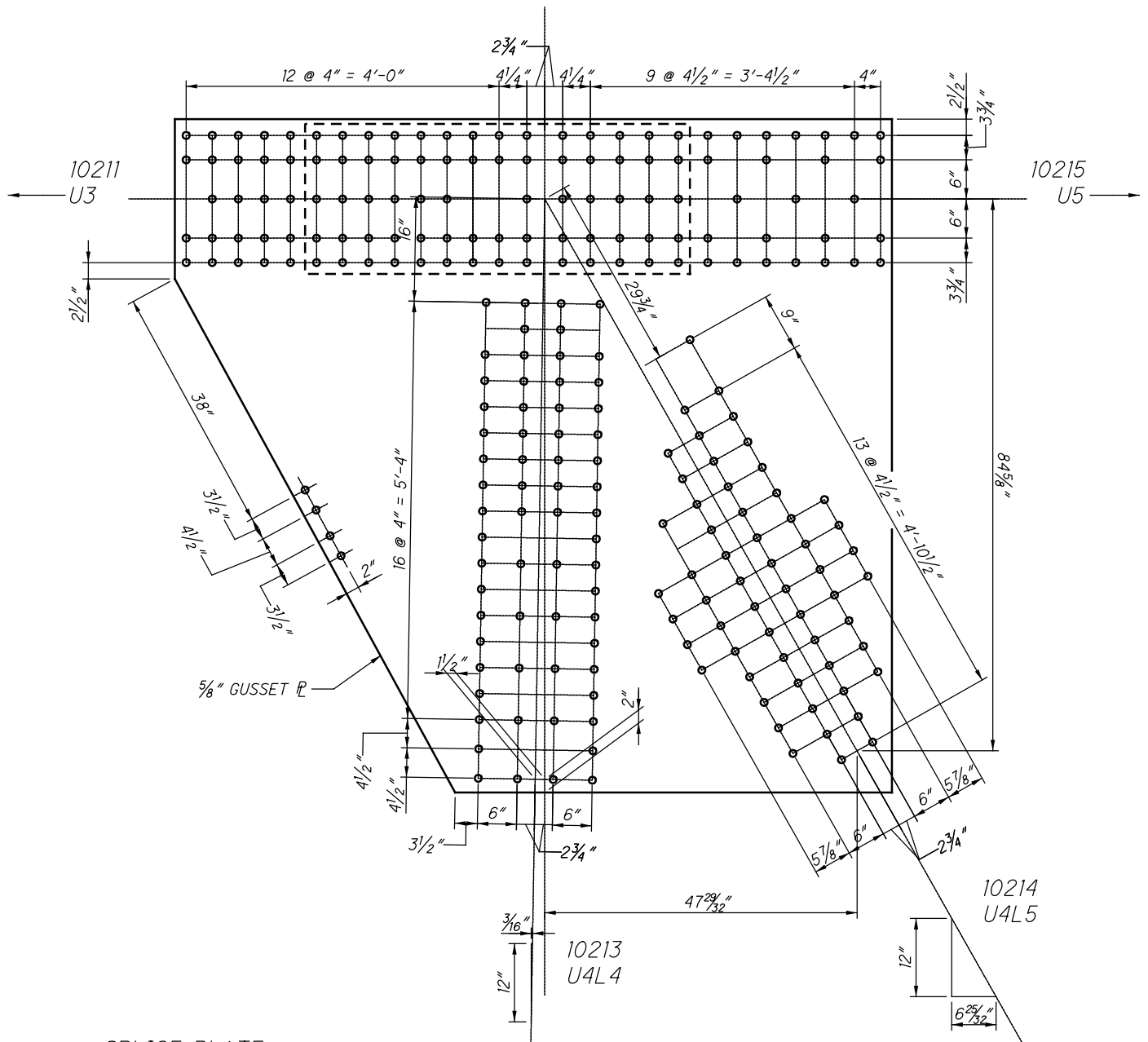






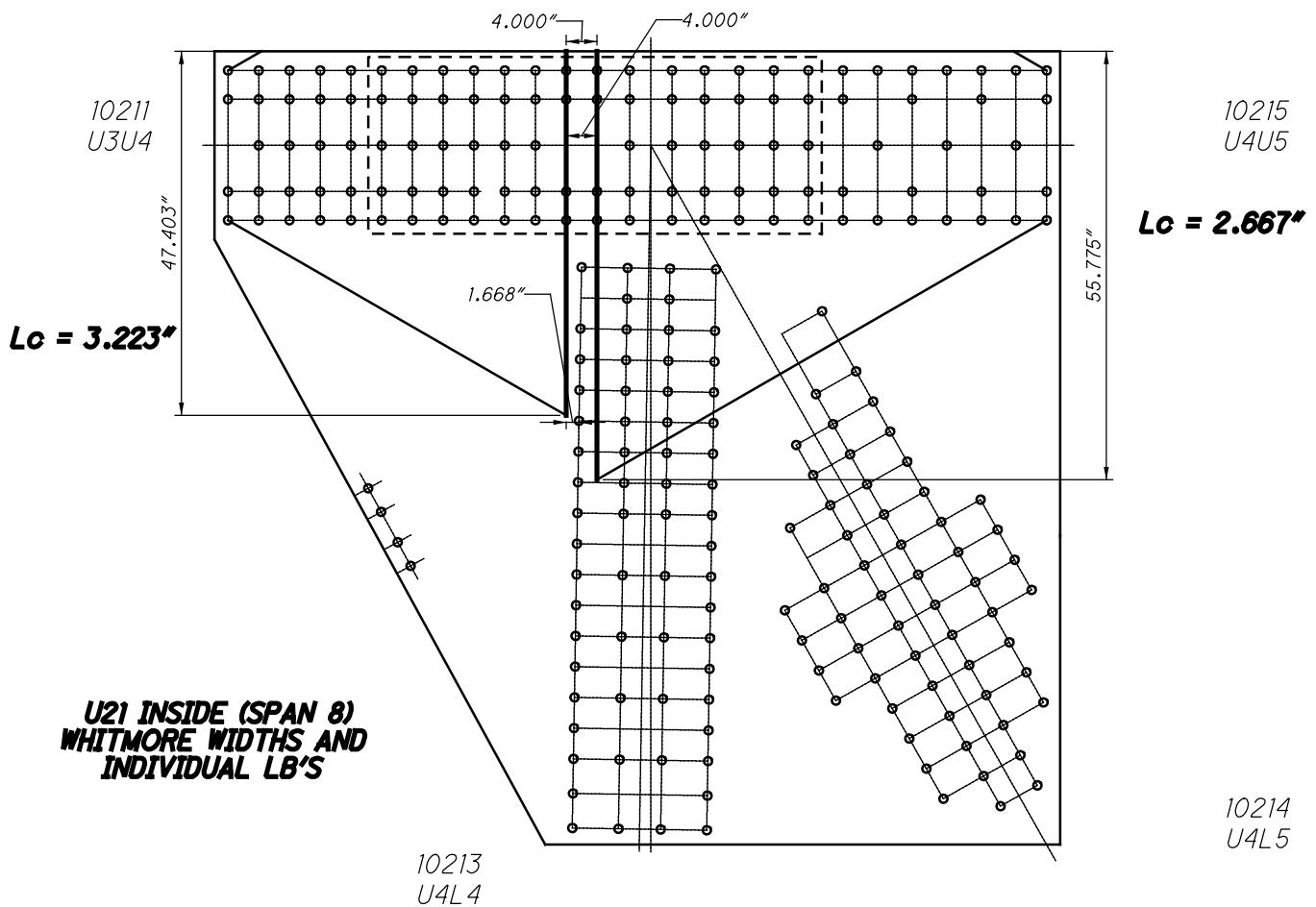
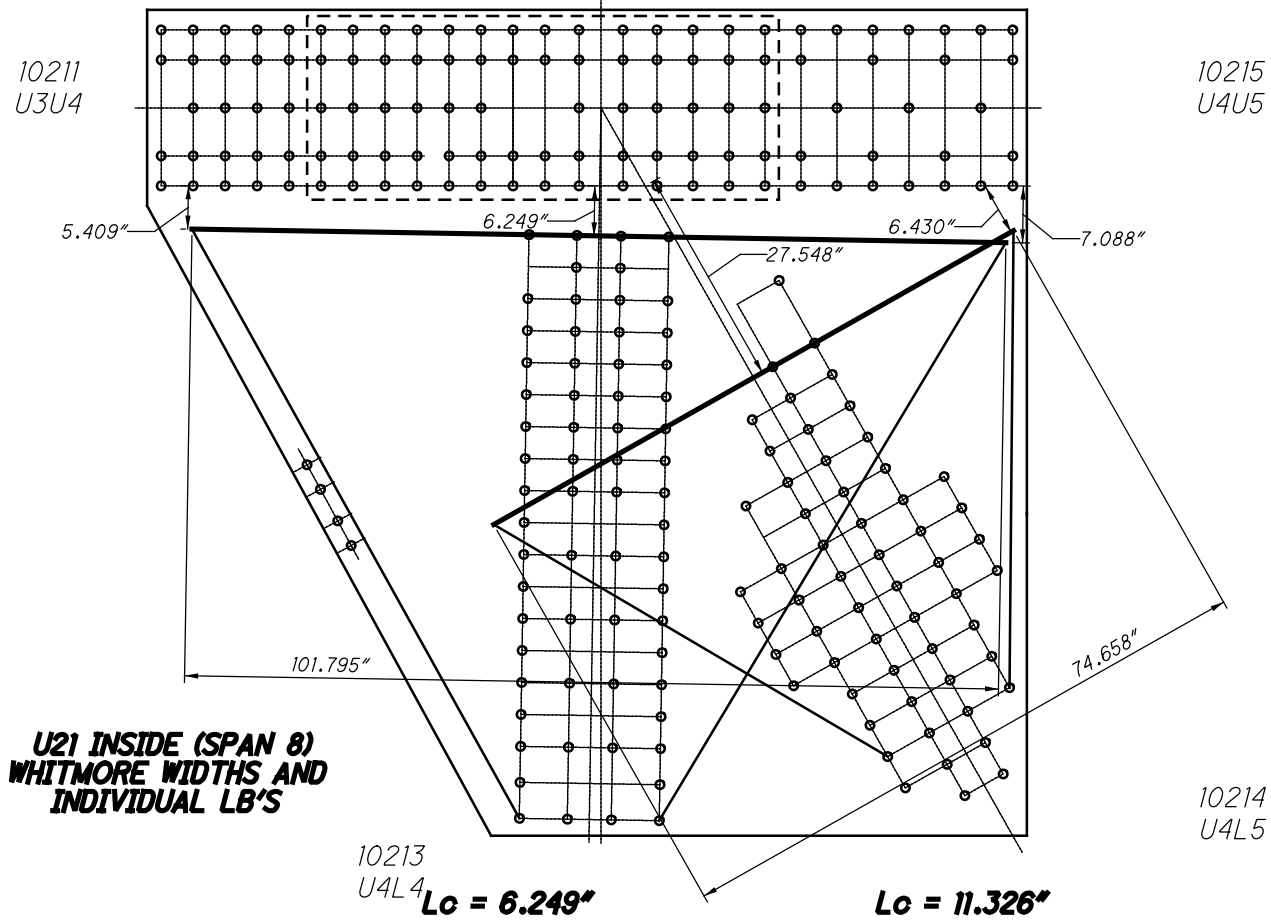


**U20 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



SPLICE PLATE
23" X 5/8" X 4'-11"

**U21 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



58 RIVETS
x 2 PLATES
=116 RIVETS

10211
U3U4

34 SPLICE P
x 2 PLATES
=68 RIVETS

21021 AND 31021

10215
U4U5

59 RIVETS
x 2 PLATES
=118 RIVETS

34 SPLICE P
x 2 PLATES
=68 RIVETS

**U21 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

10213
U4L4

64 RIVETS
x 2 PLATES
=128 RIVETS

10214
U4L5

48 RIVETS
x 2 PLATES
=96 RIVETS

110.000"

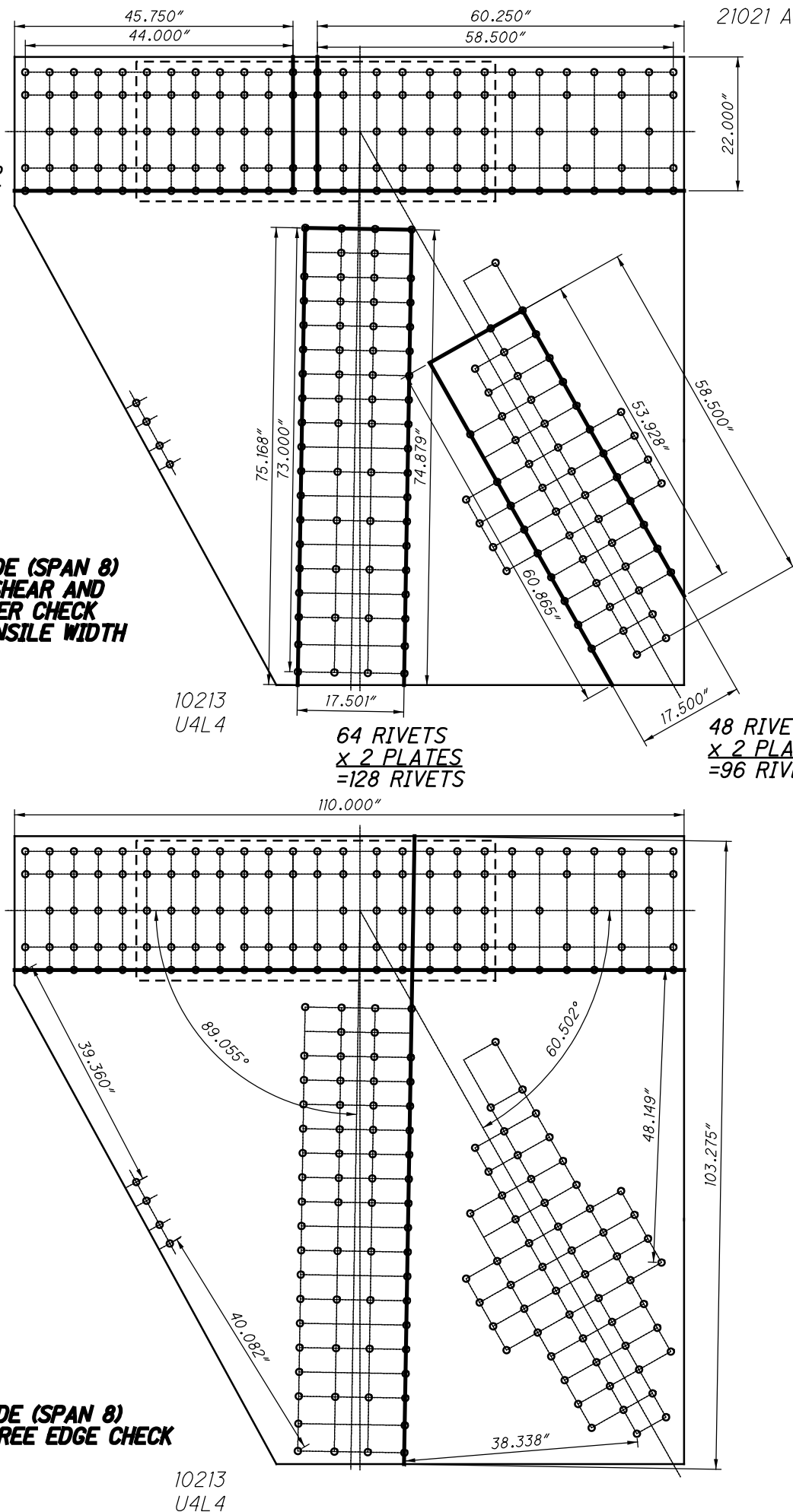
10211
U3U4

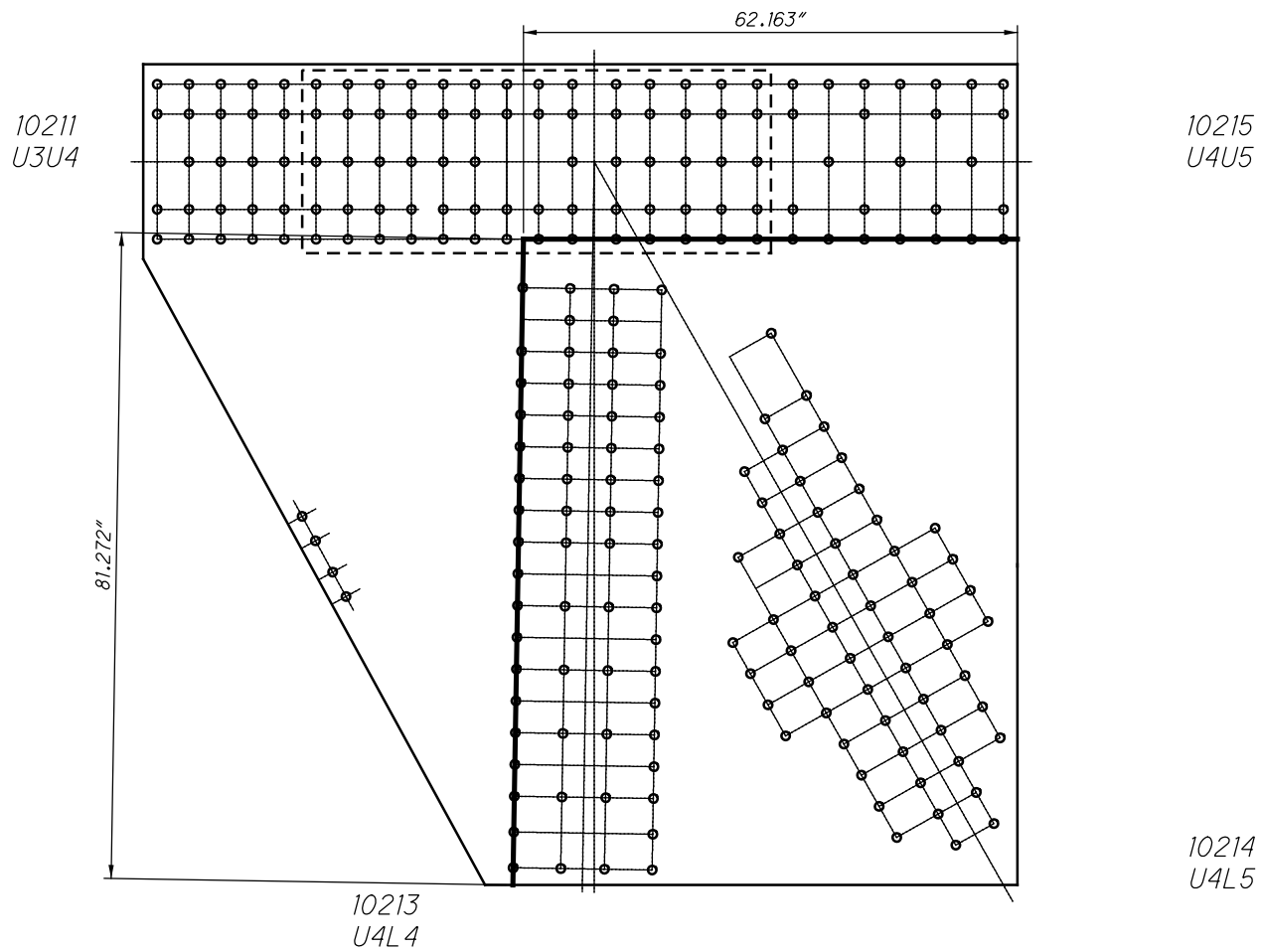
10215
U4U5

**U21 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

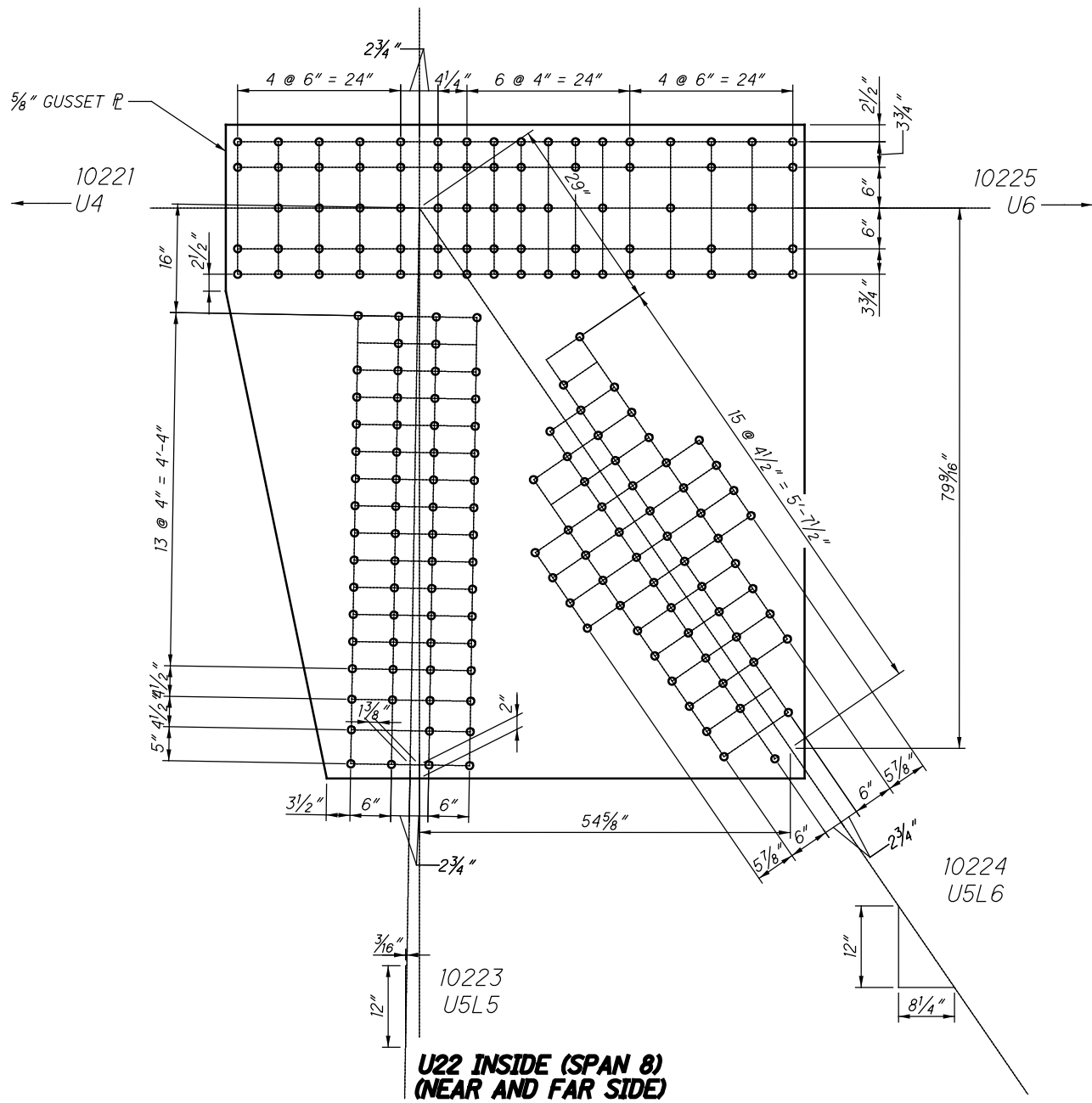
10213
U4L4

10214
U4L5

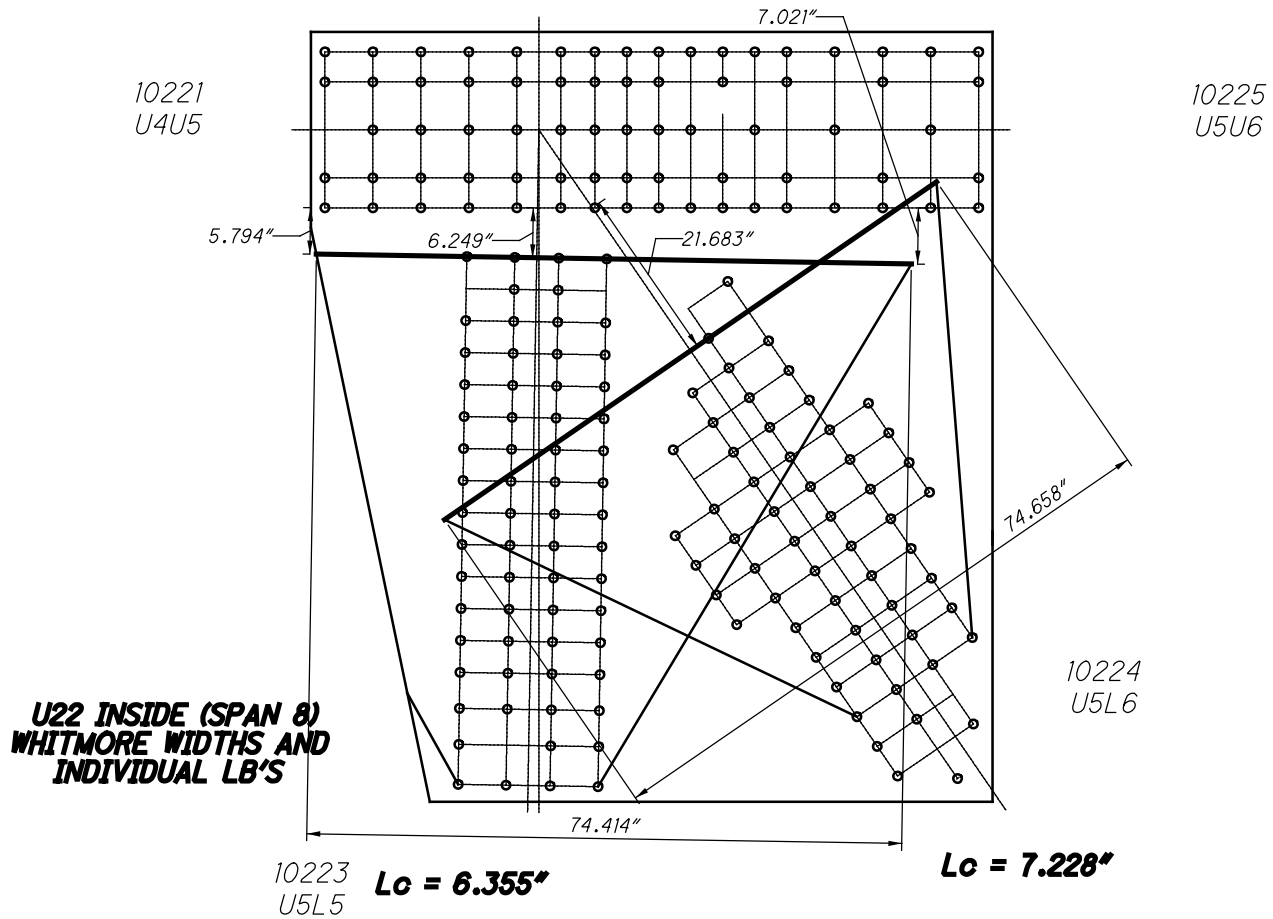




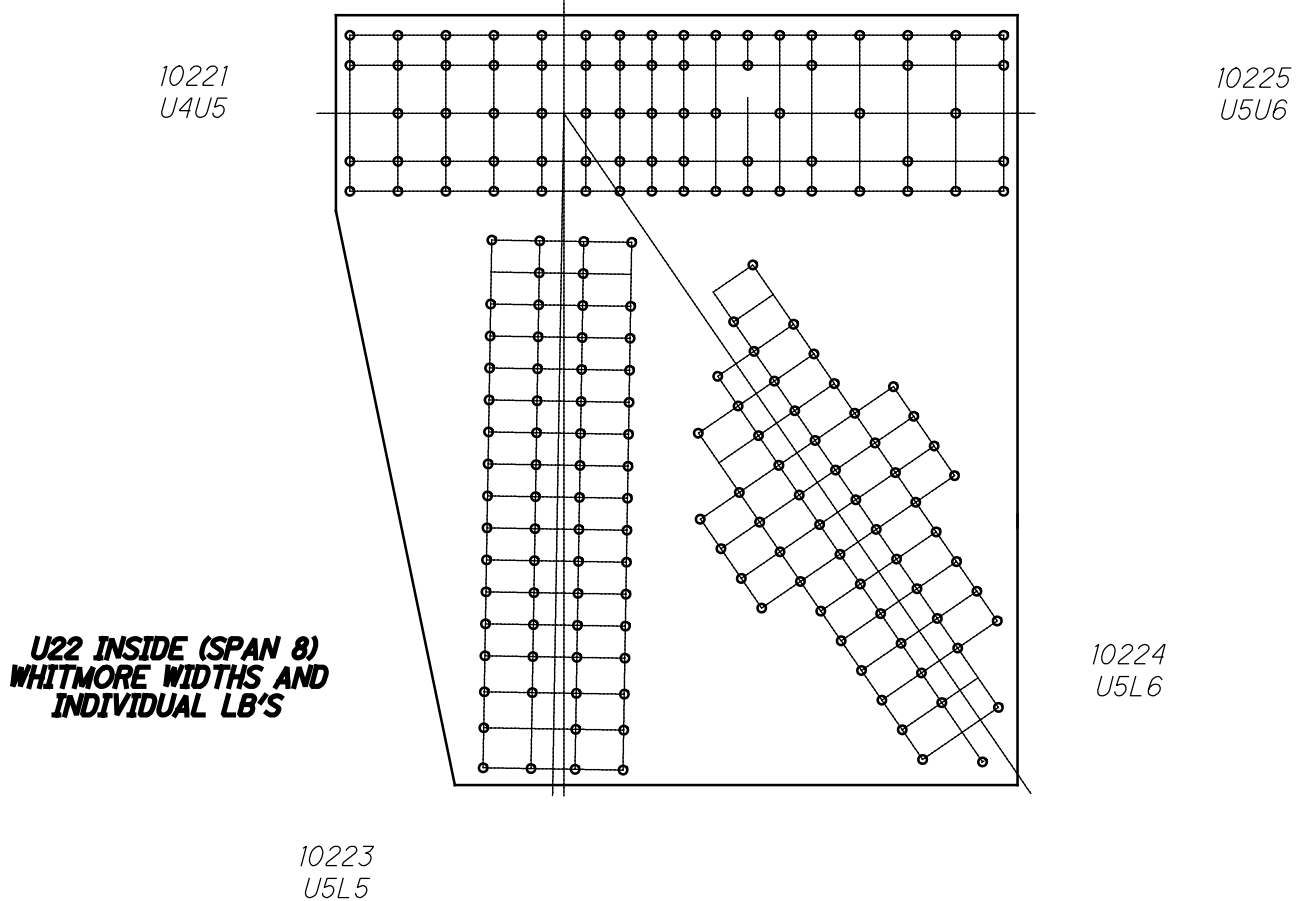
**U21 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

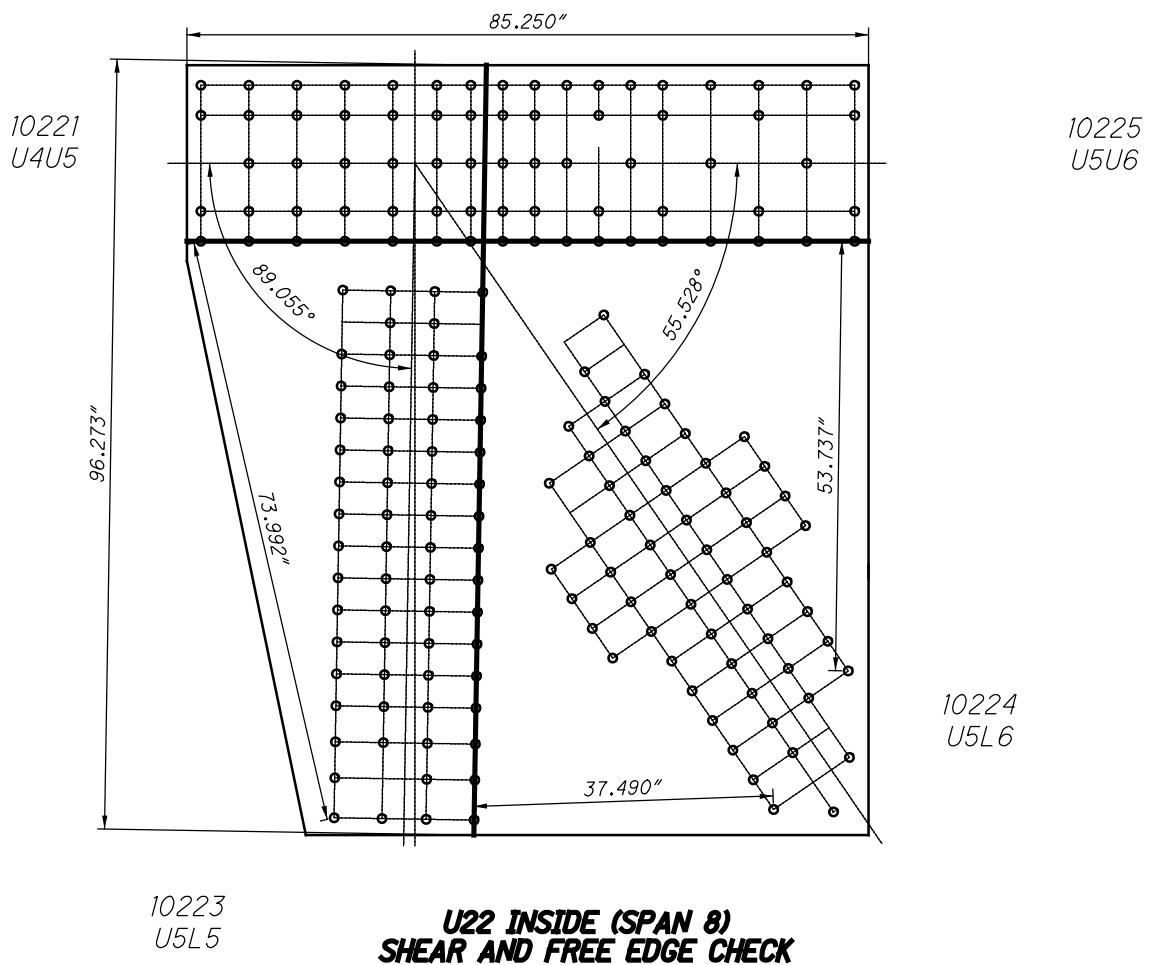
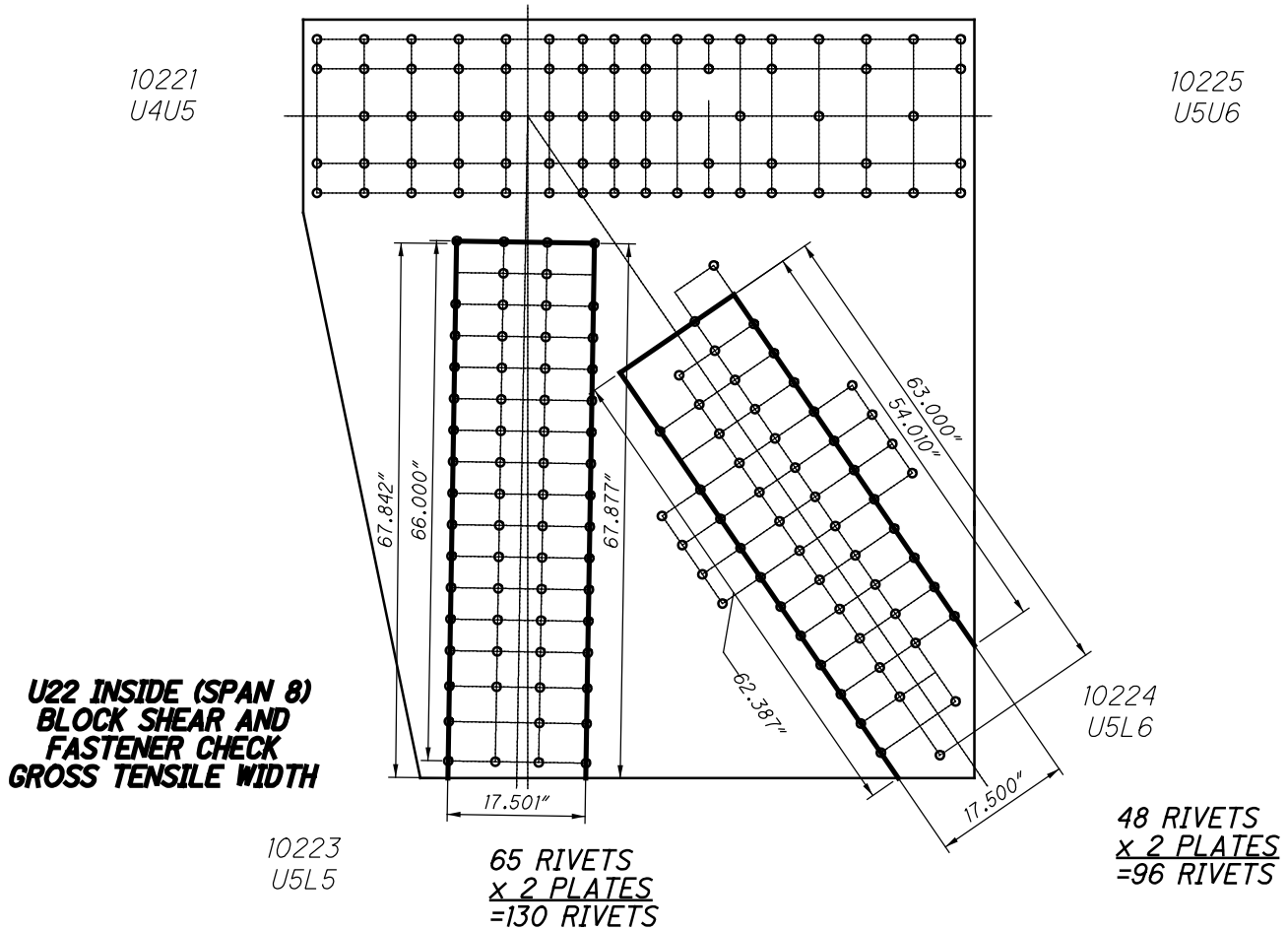


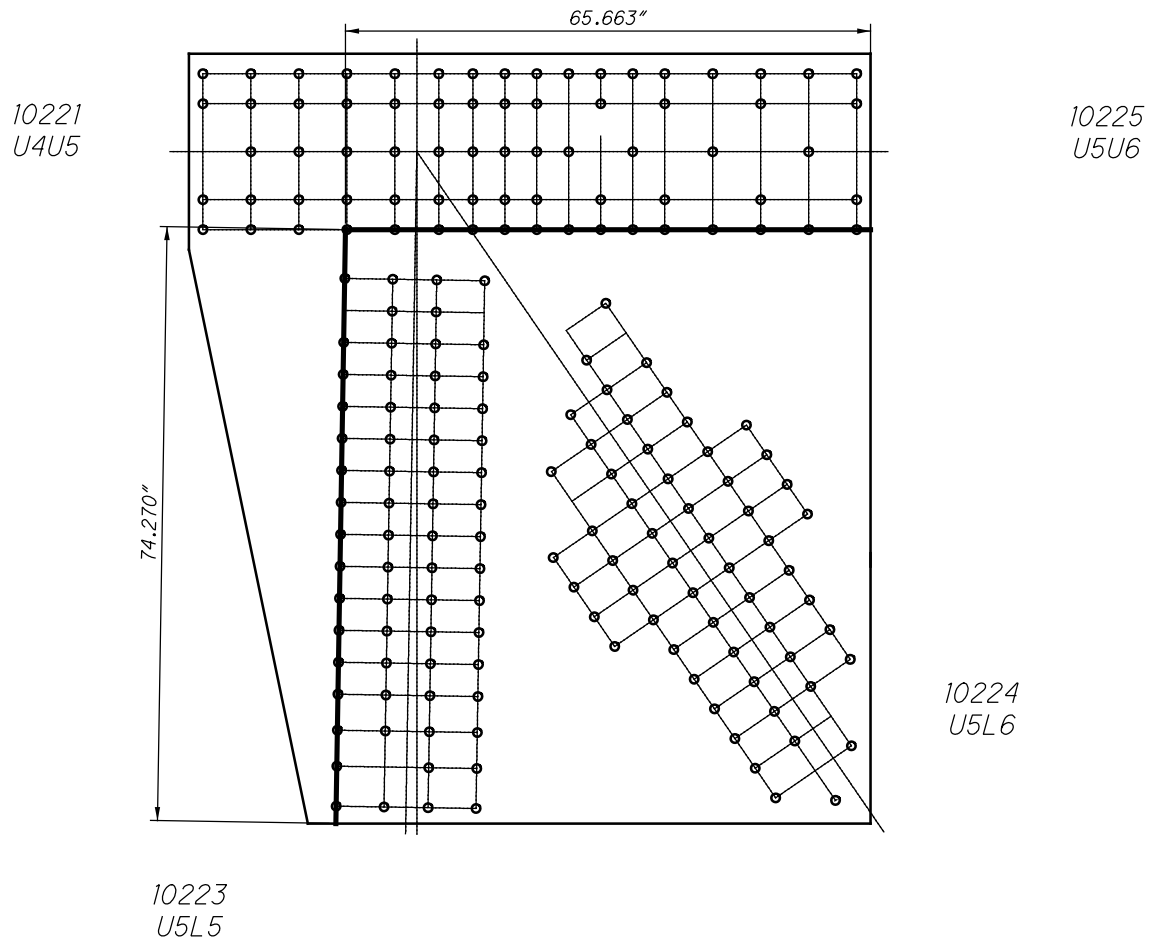
21022 AND 31022



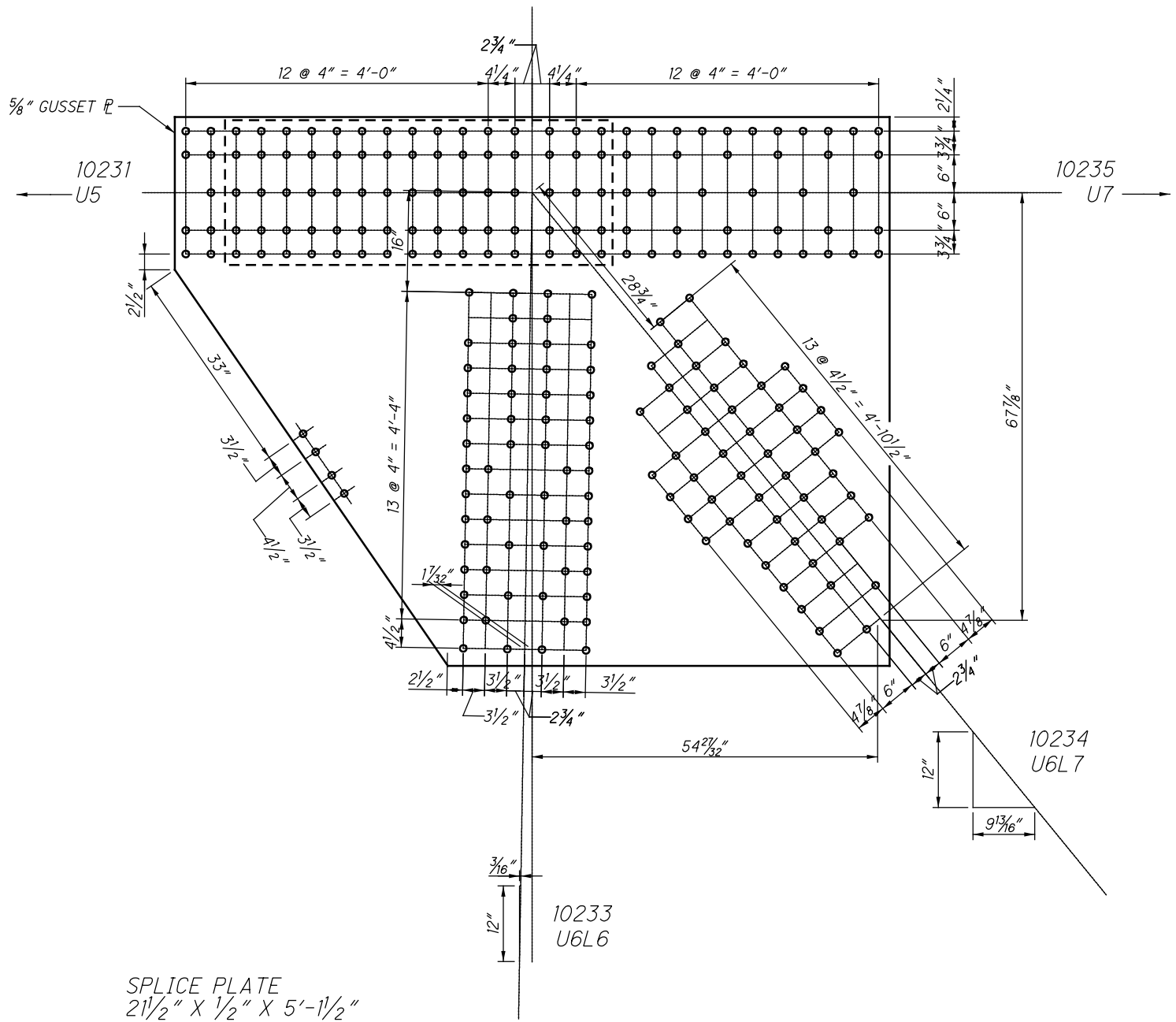
CHORD IS CONTINUOUS







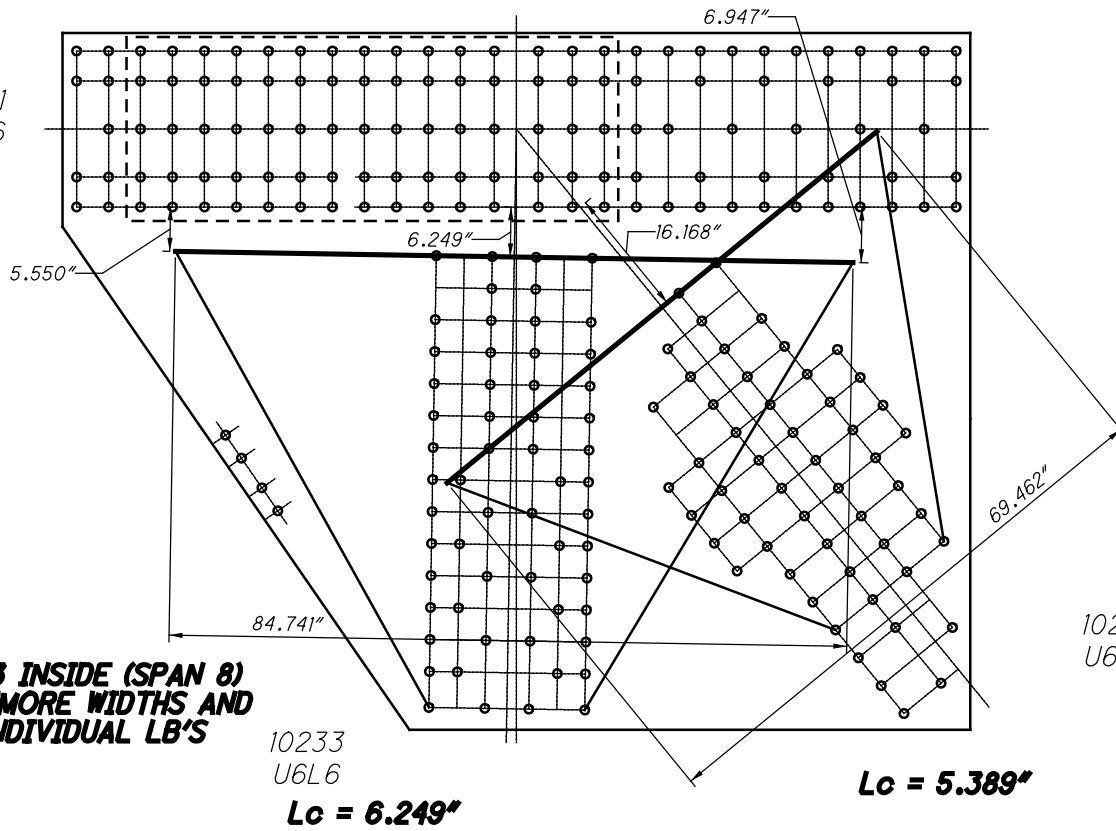
**U22 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U23 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

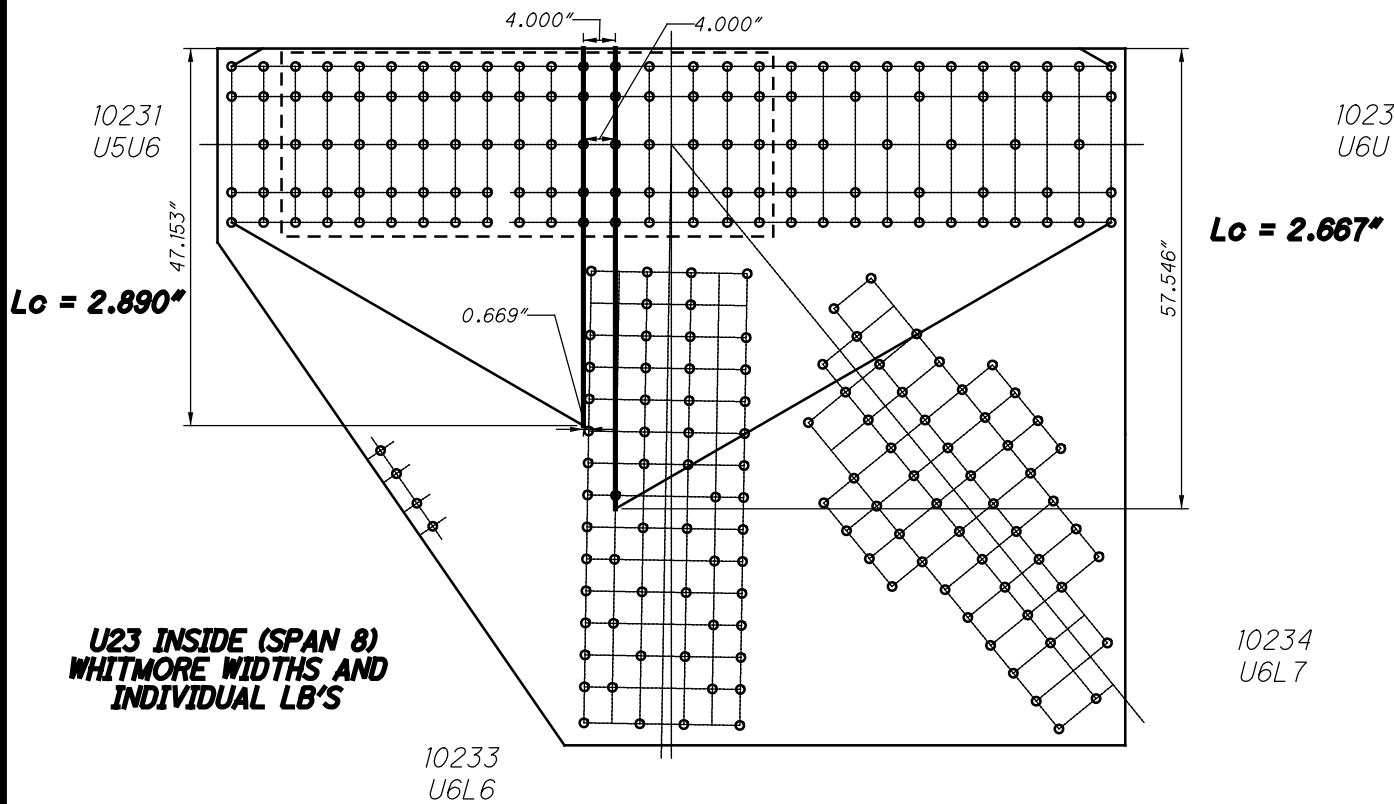
10231
U5U6

10235
U6U7

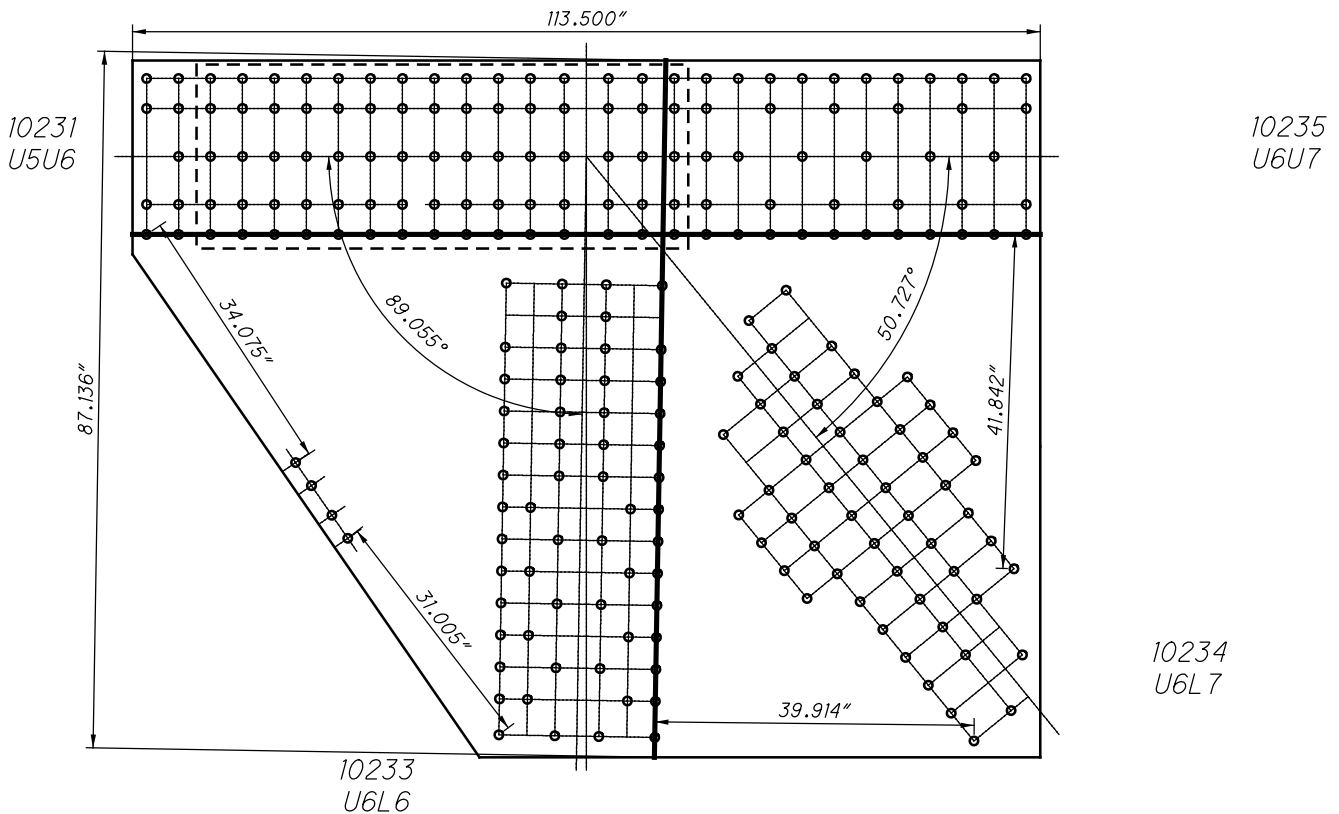
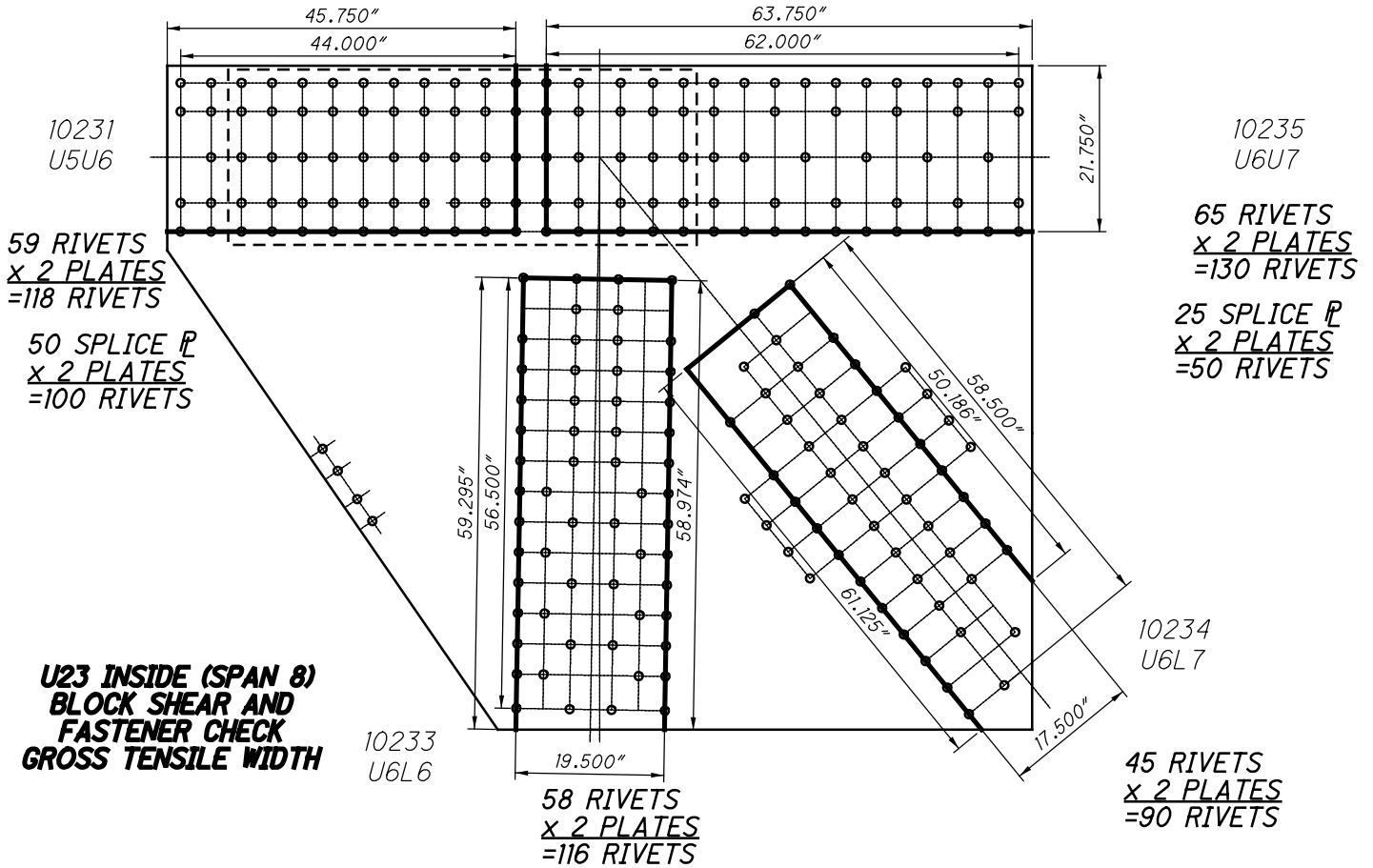


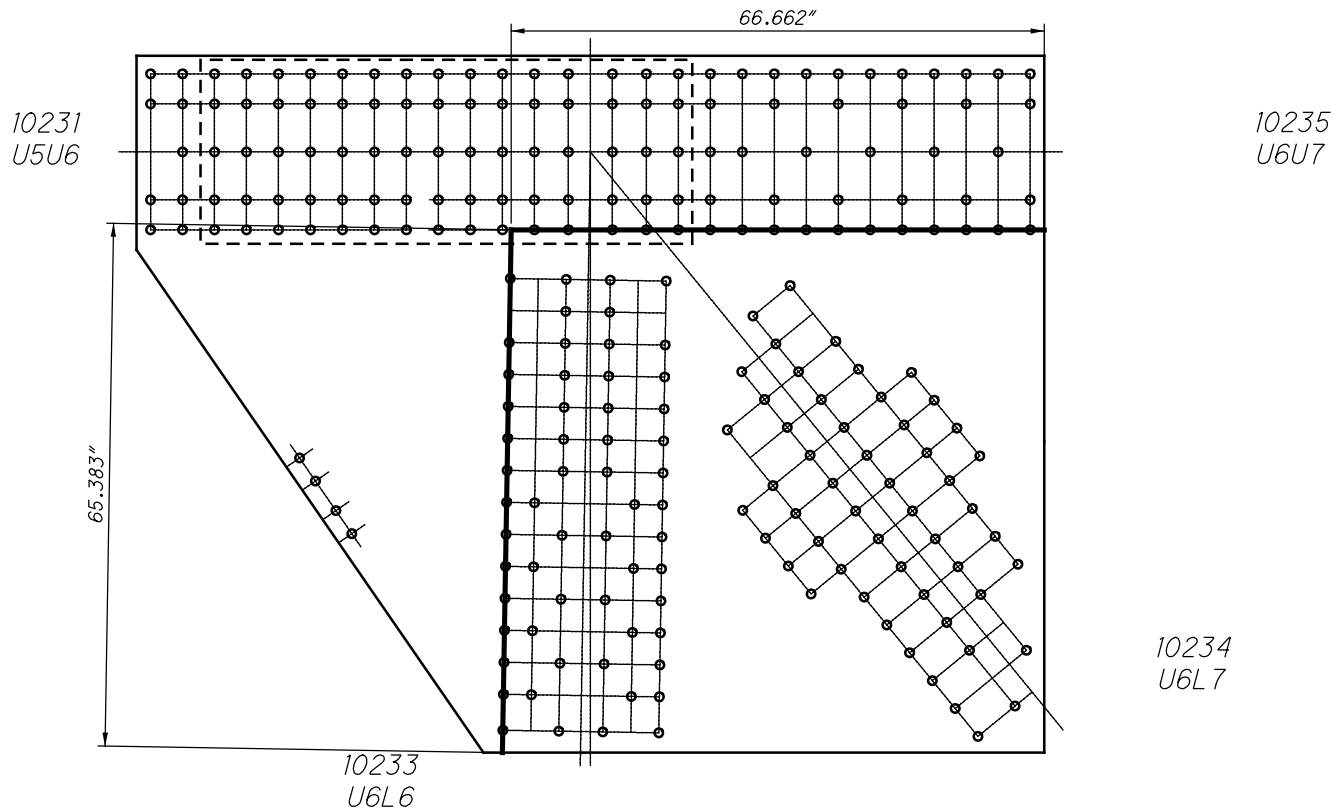
10231
U5U6

10235
U6U7



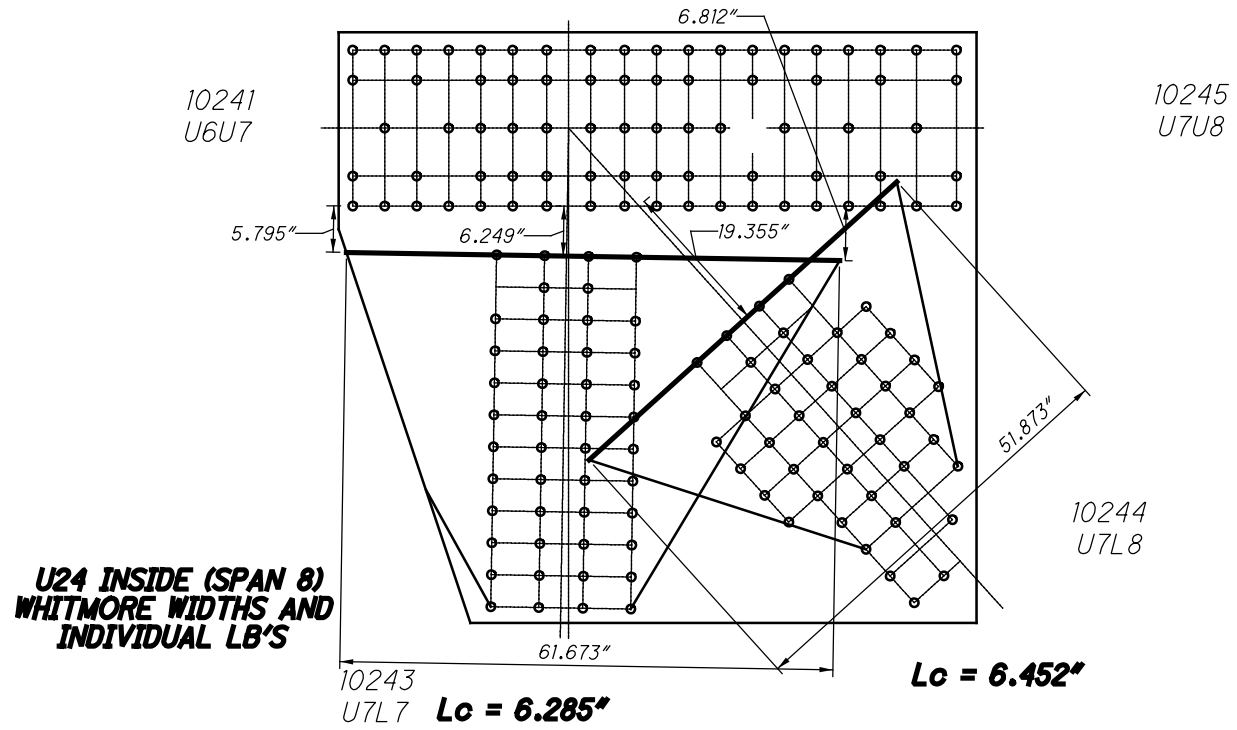
21023 AND 31023



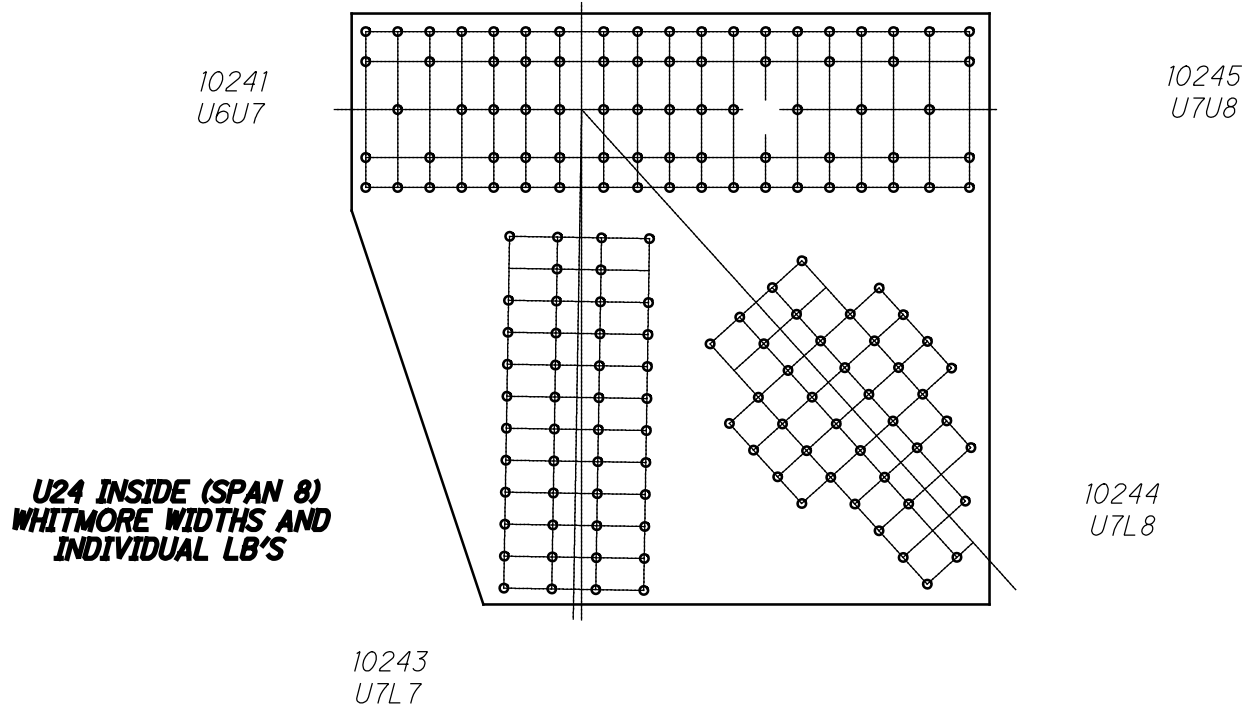


**U23 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

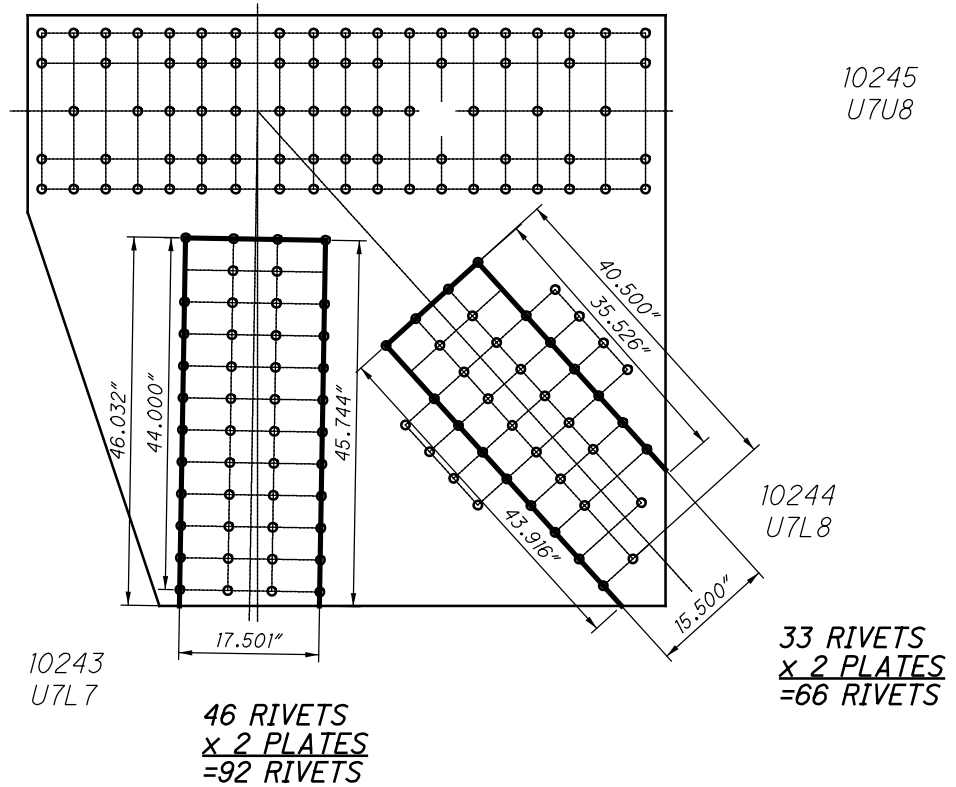
**U24 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



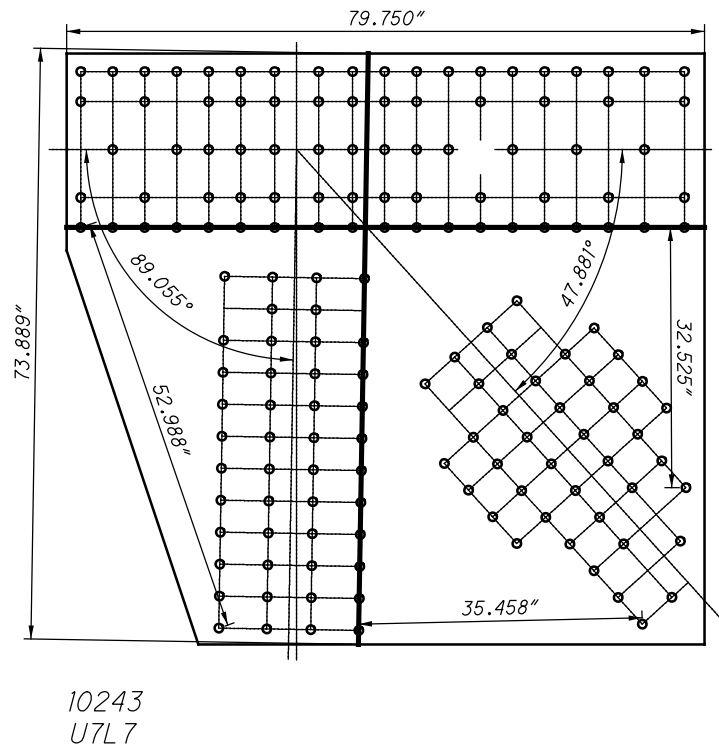
CHORD IS CONTINUOUS



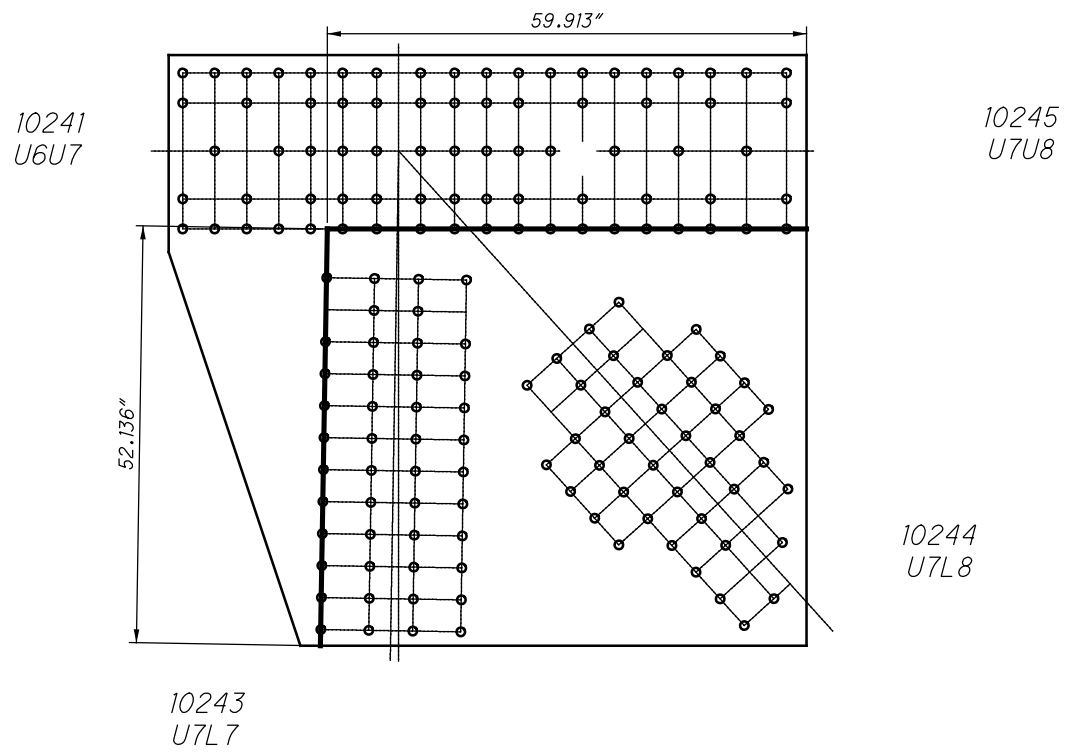
**U24 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**



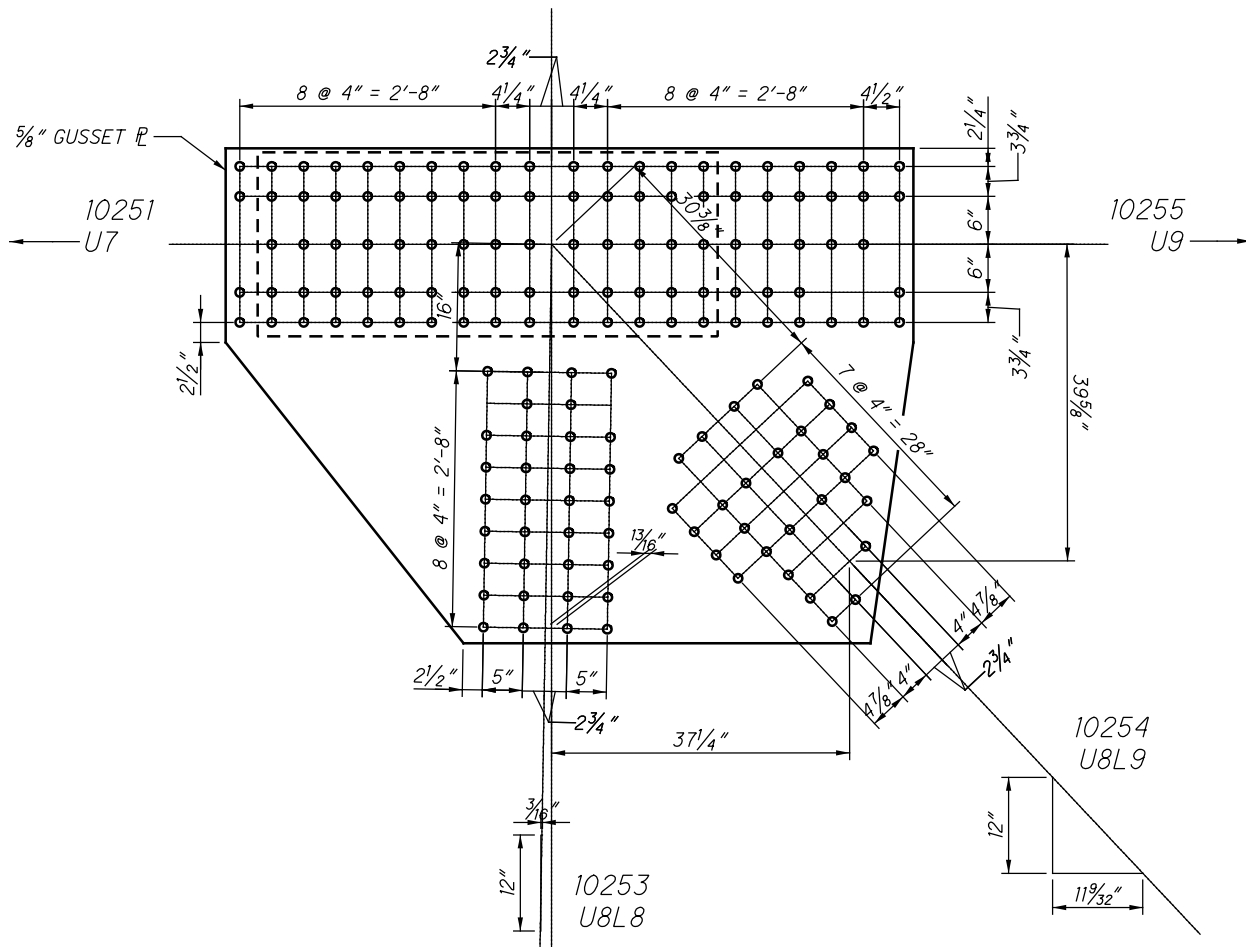
10241
U6U7



**U24 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

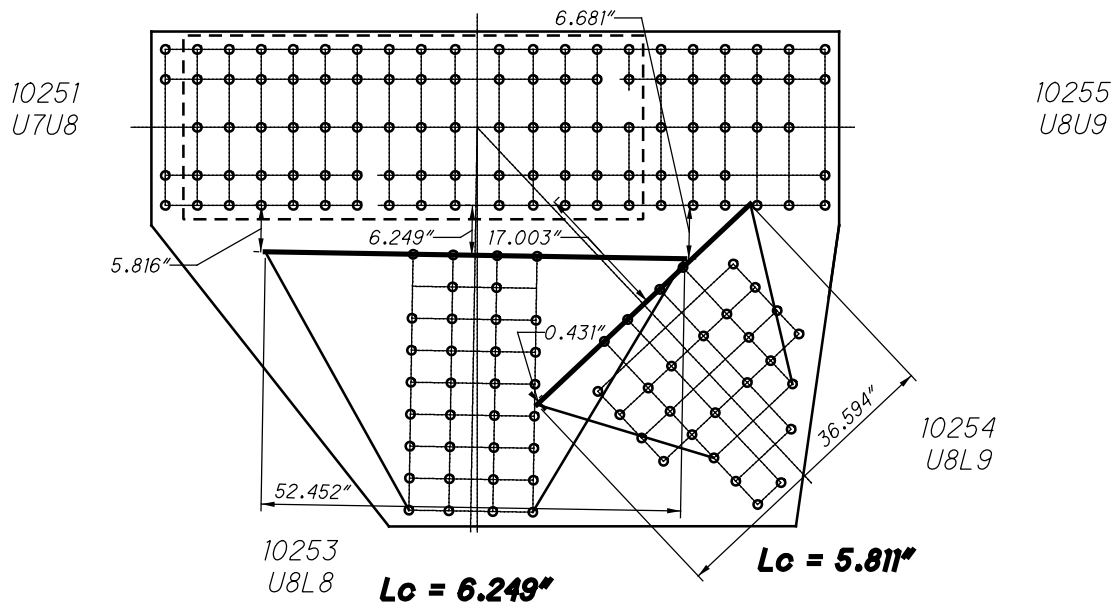


**U24 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

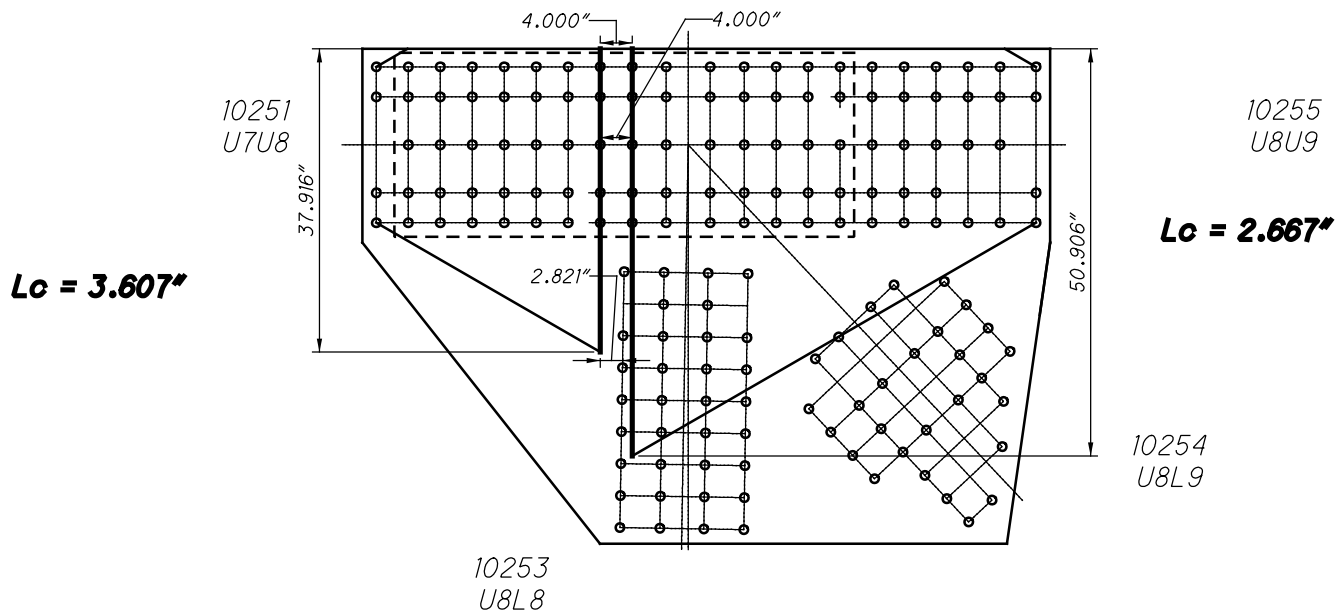


SPLICE PLATE
 $22\frac{1}{2}" \times \frac{3}{4}" \times 4'-9\frac{1}{2}"$

**U25 INSIDE (SPAN 8)
 (NEAR AND FAR SIDE)**



**U25 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**



**U25 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

39 RIVETS
x 2 PLATES
=78 RIVETS

35 SPLICE P
x 2 PLATES
=70 RIVETS

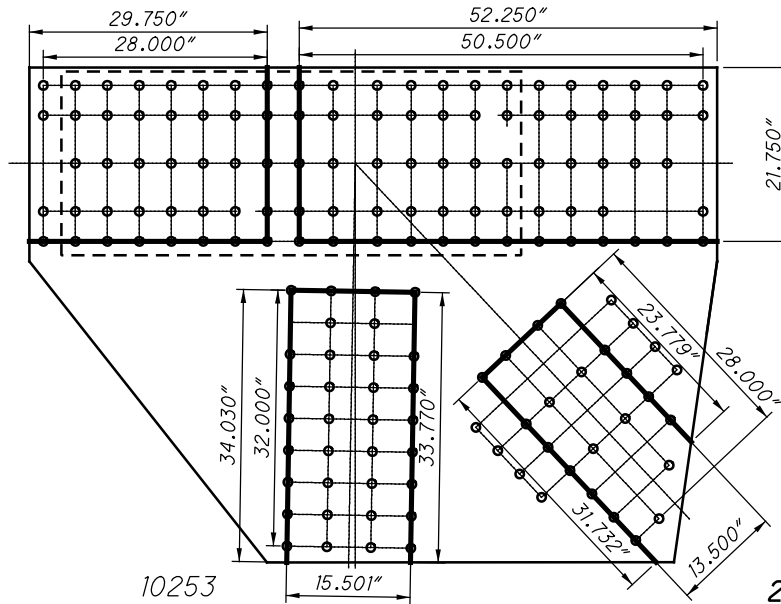
10251
U7U8

21025 AND 31025

62 RIVETS
x 2 PLATES
=124 RIVETS

35 SPLICE P
x 2 PLATES
=70 RIVETS

10255
U8U9

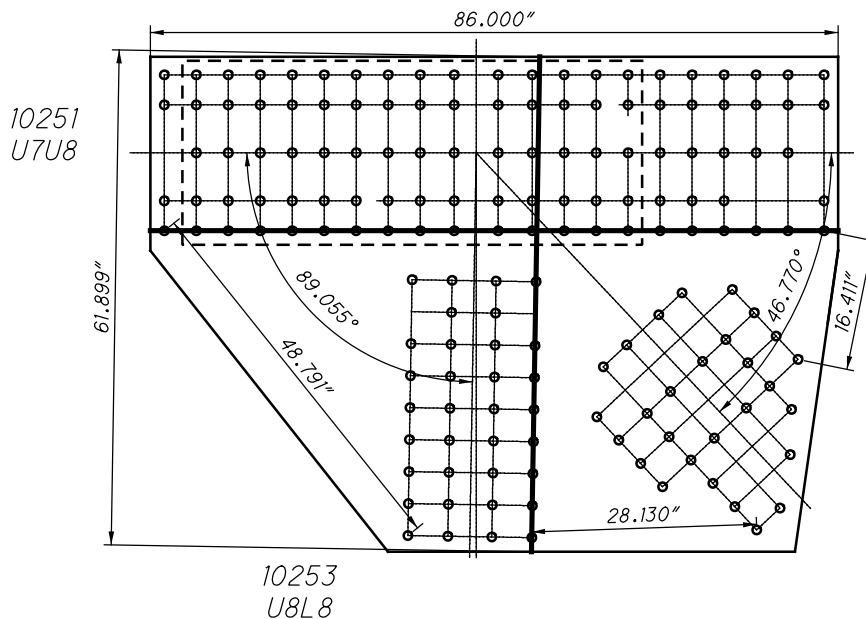


10253
U8L8

34 RIVETS
x 2 PLATES
=68 RIVETS

**U25 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

20 RIVETS
x 2 PLATES
=40 RIVETS



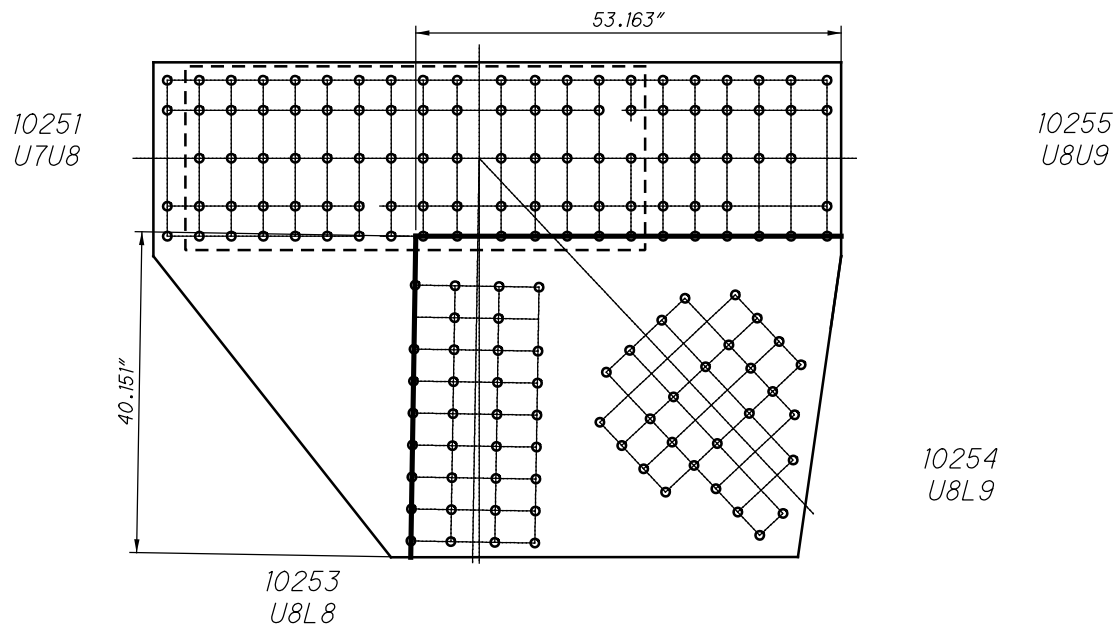
10251
U7U8

10255
U8U9

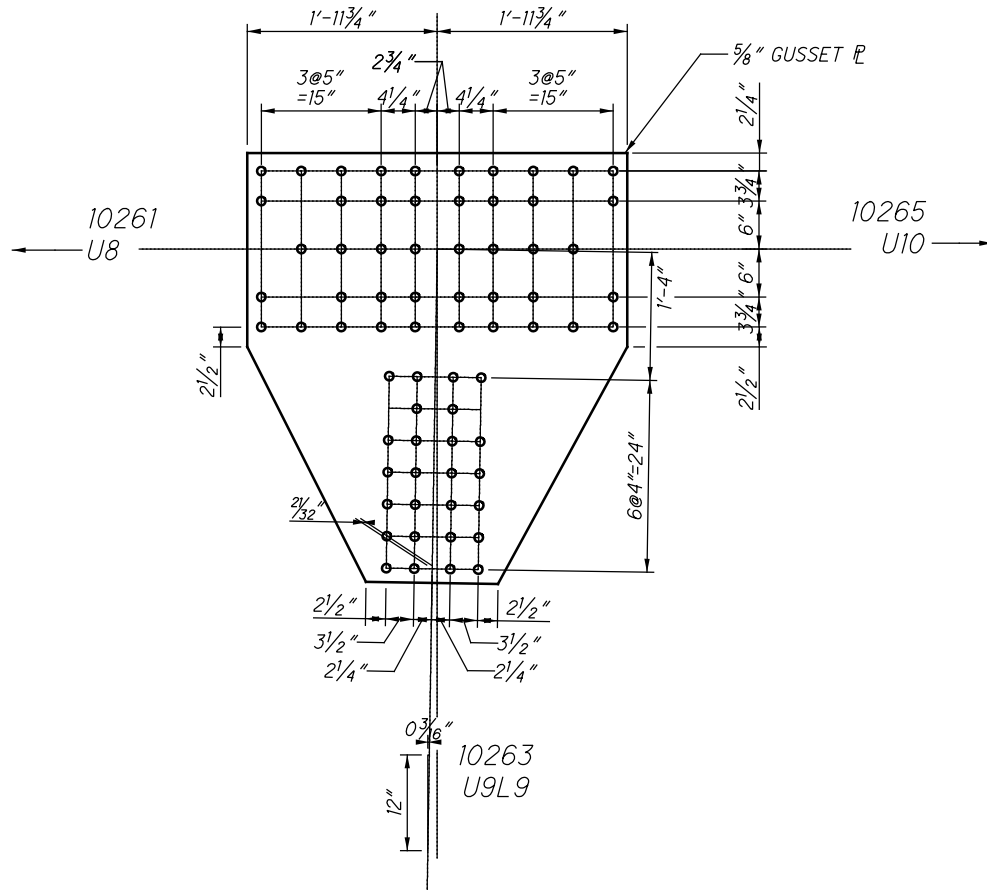
10254
U8L9

10253
U8L8

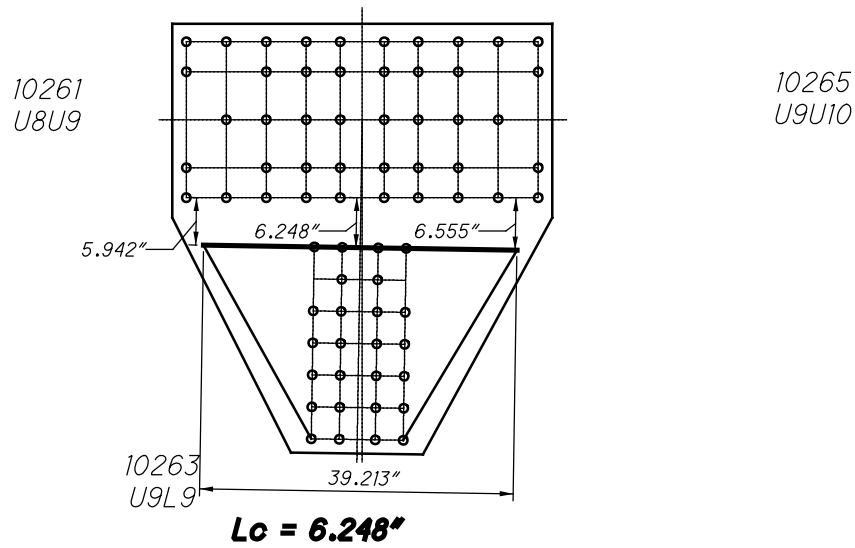
**U25 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



**U25 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

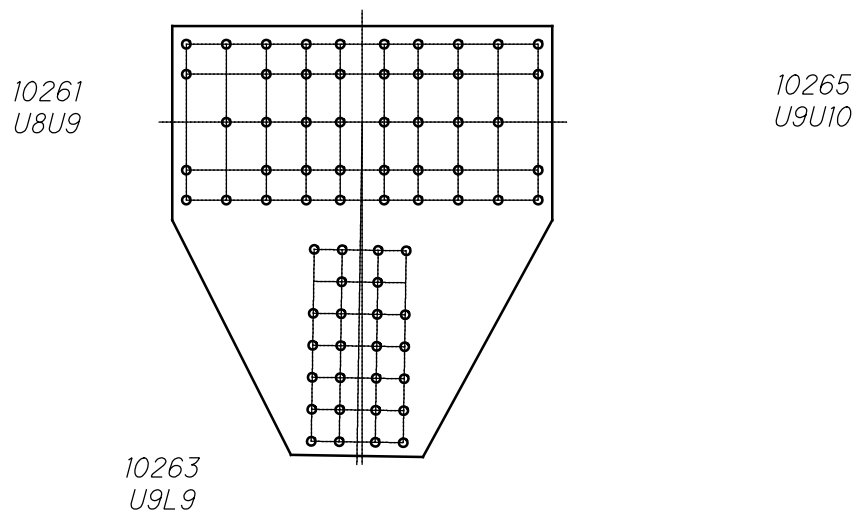


**U26 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



**U26 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

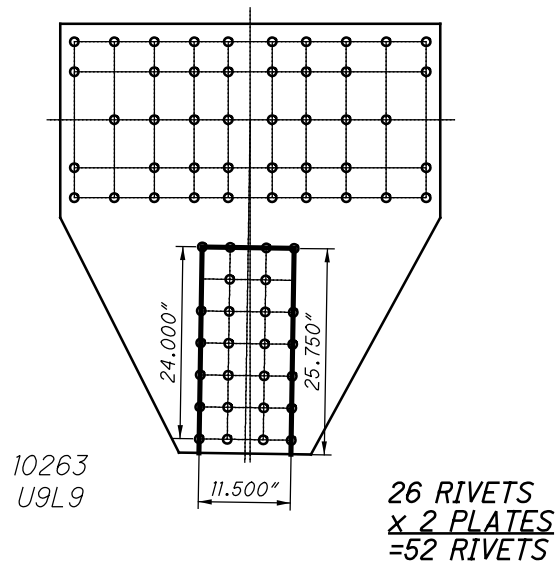
CHORD IS CONTINUOUS



**U26 INSIDE (SPAN 8)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

10261
U8U9

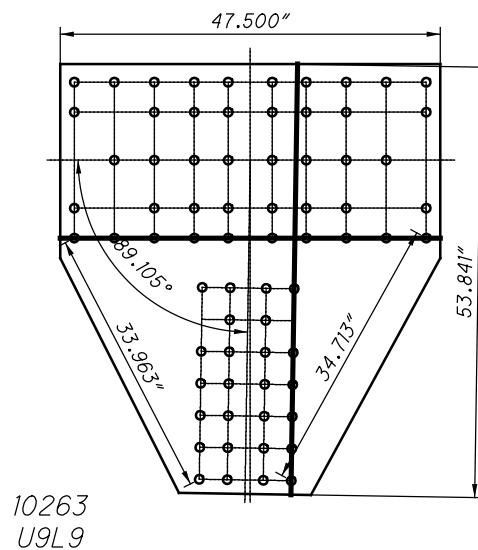
10265
U9U10



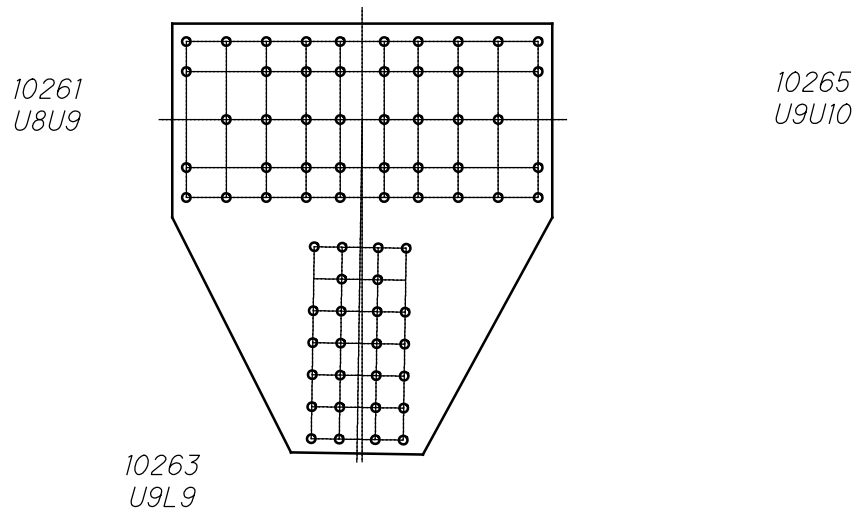
**U26 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

10261
U8U9

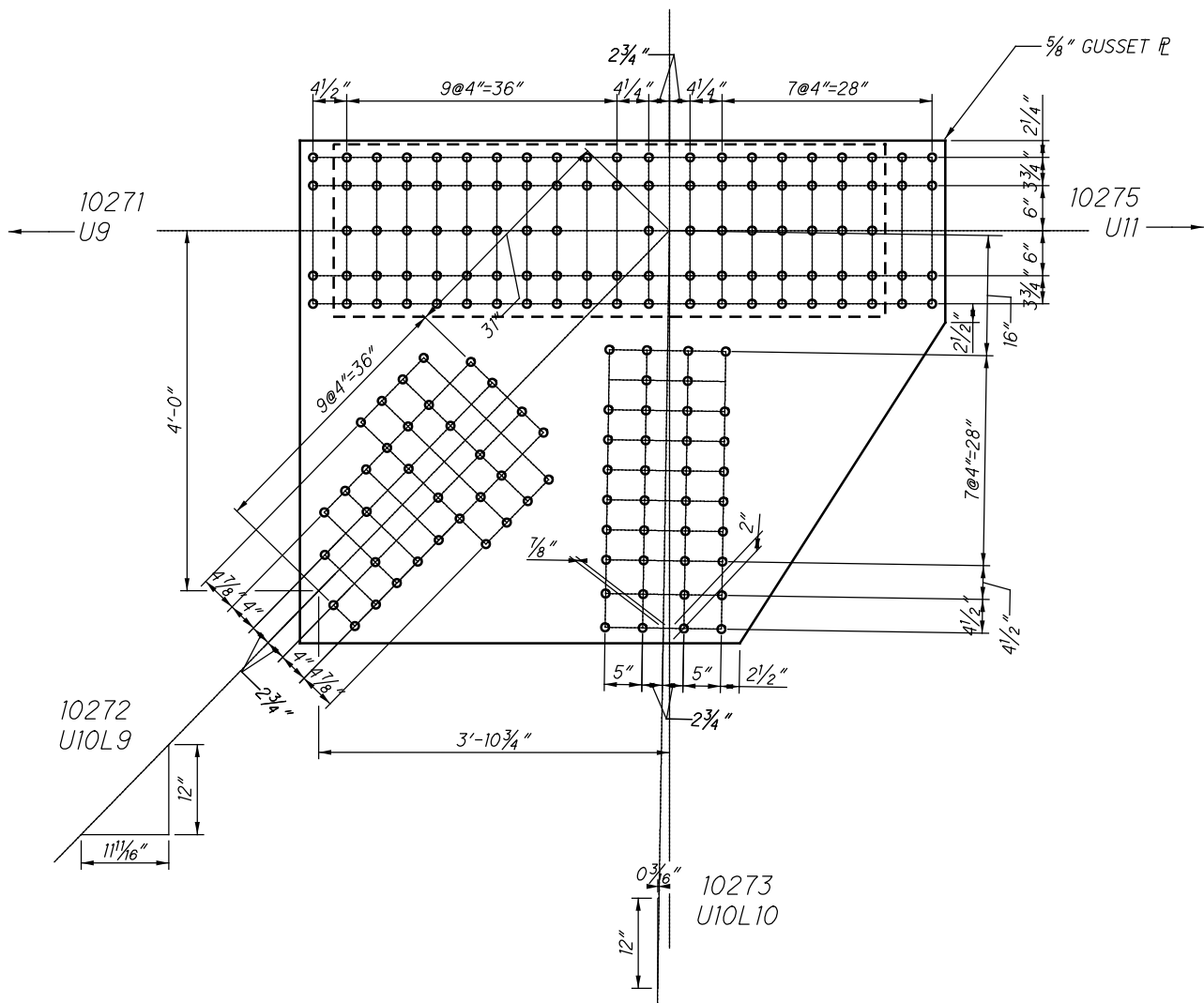
10265
U9U10



**U26 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

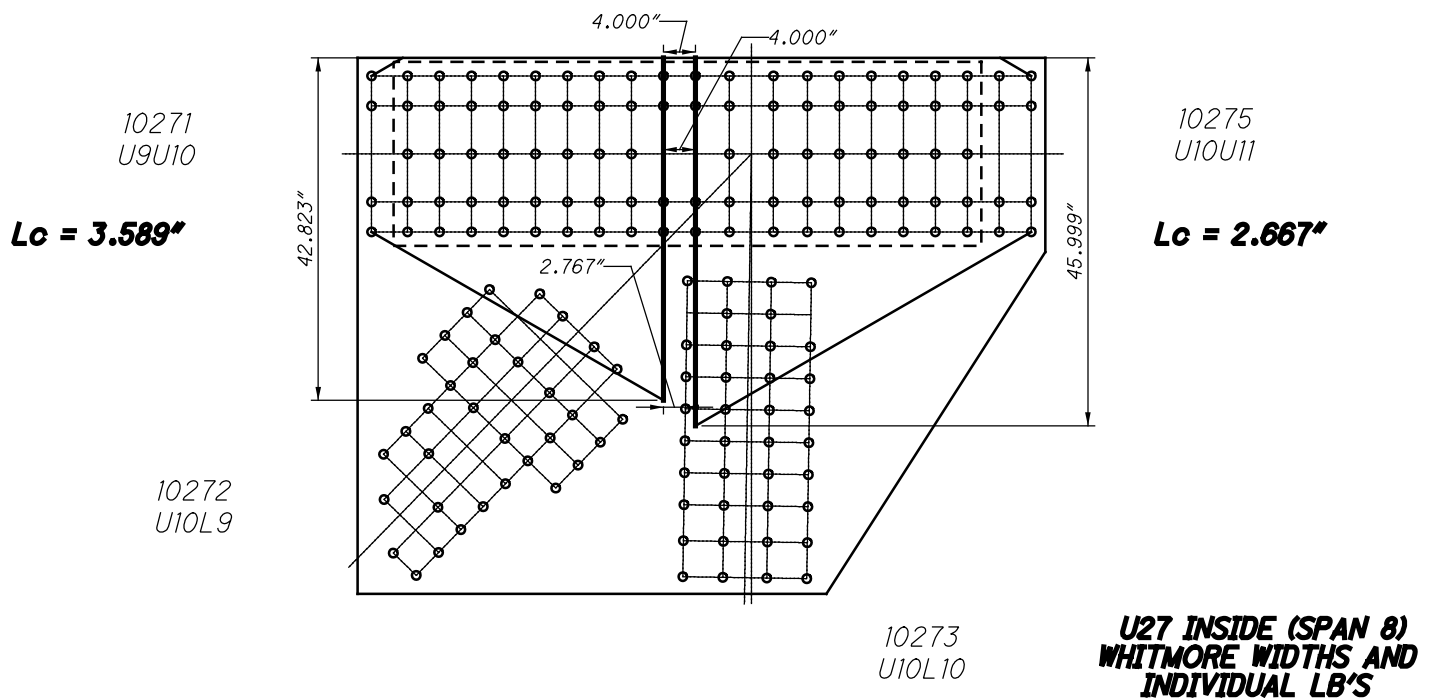
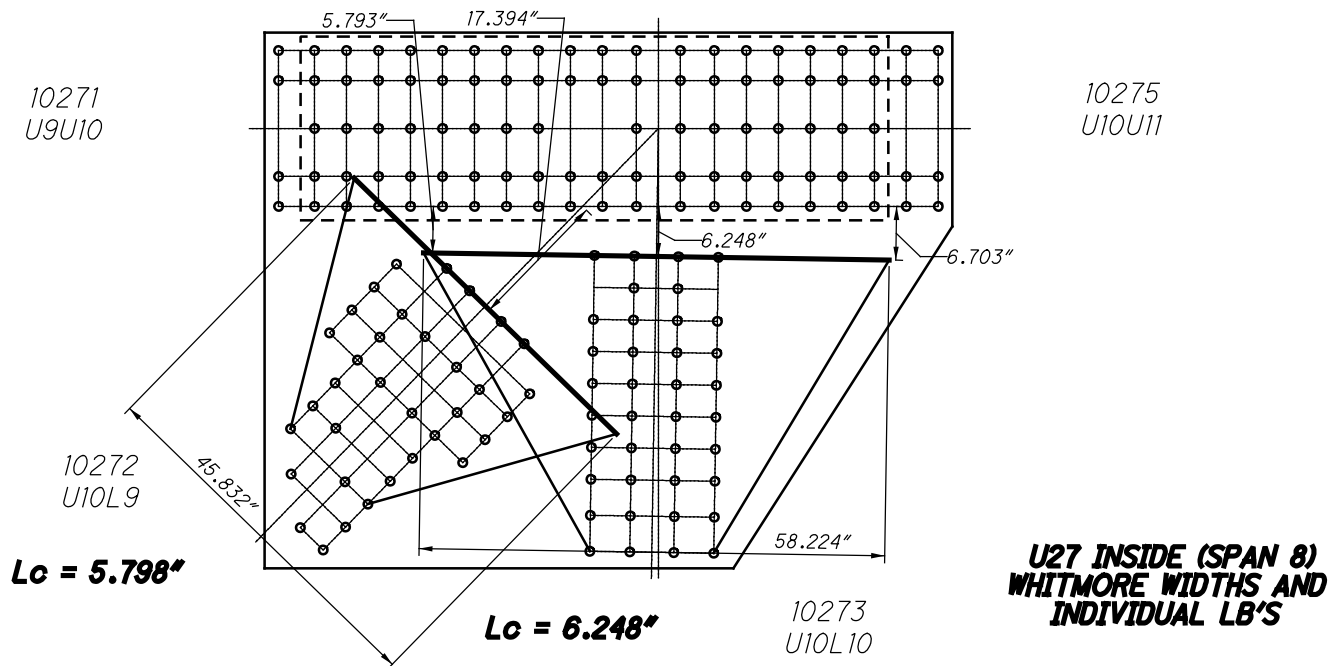


**U26 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U27 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

SPLICE PLATE
22 1/2" X 5/8" X 6'-1 1/2"



48 RIVETS
x 2 PLATES
=96 RIVETS

10271
U9U10

44 SPLICE P
x 2 PLATES
=88 RIVETS

10272
U10L9

26 RIVETS
x 2 PLATES
=52 RIVETS

52 RIVETS
x 2 PLATES
=104 RIVETS

10275
U10U11

44 SPLICE P
x 2 PLATES
=88 RIVETS

38 RIVETS
x 2 PLATES
=76 RIVETS

10273
U10L10

**U27 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

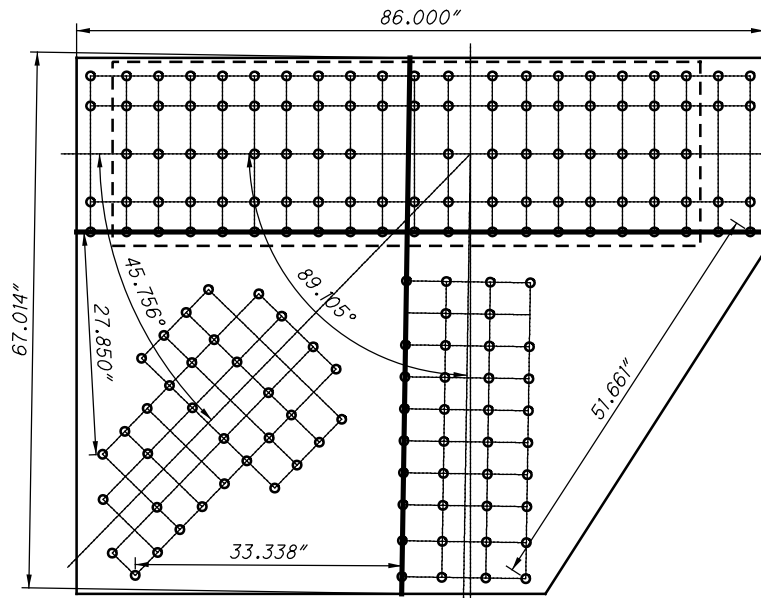
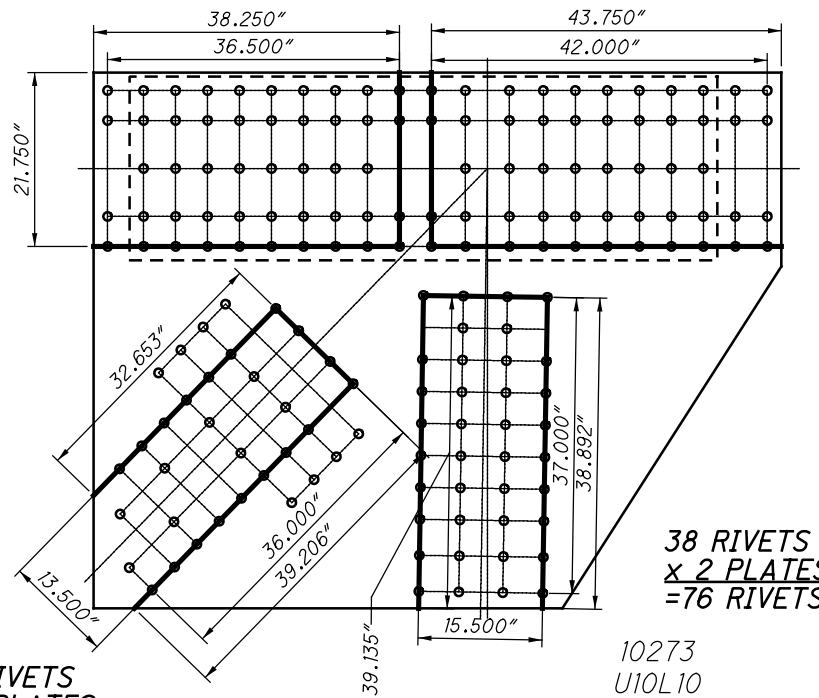
10271
U9U10

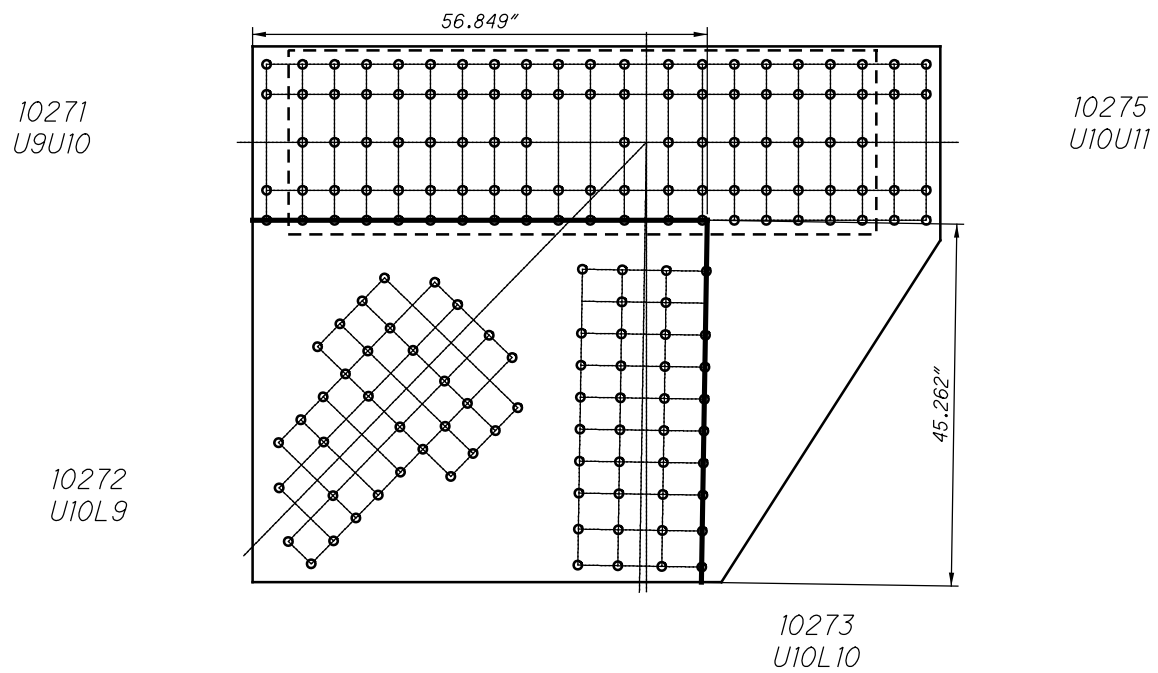
10272
U10L9

10275
U10U11

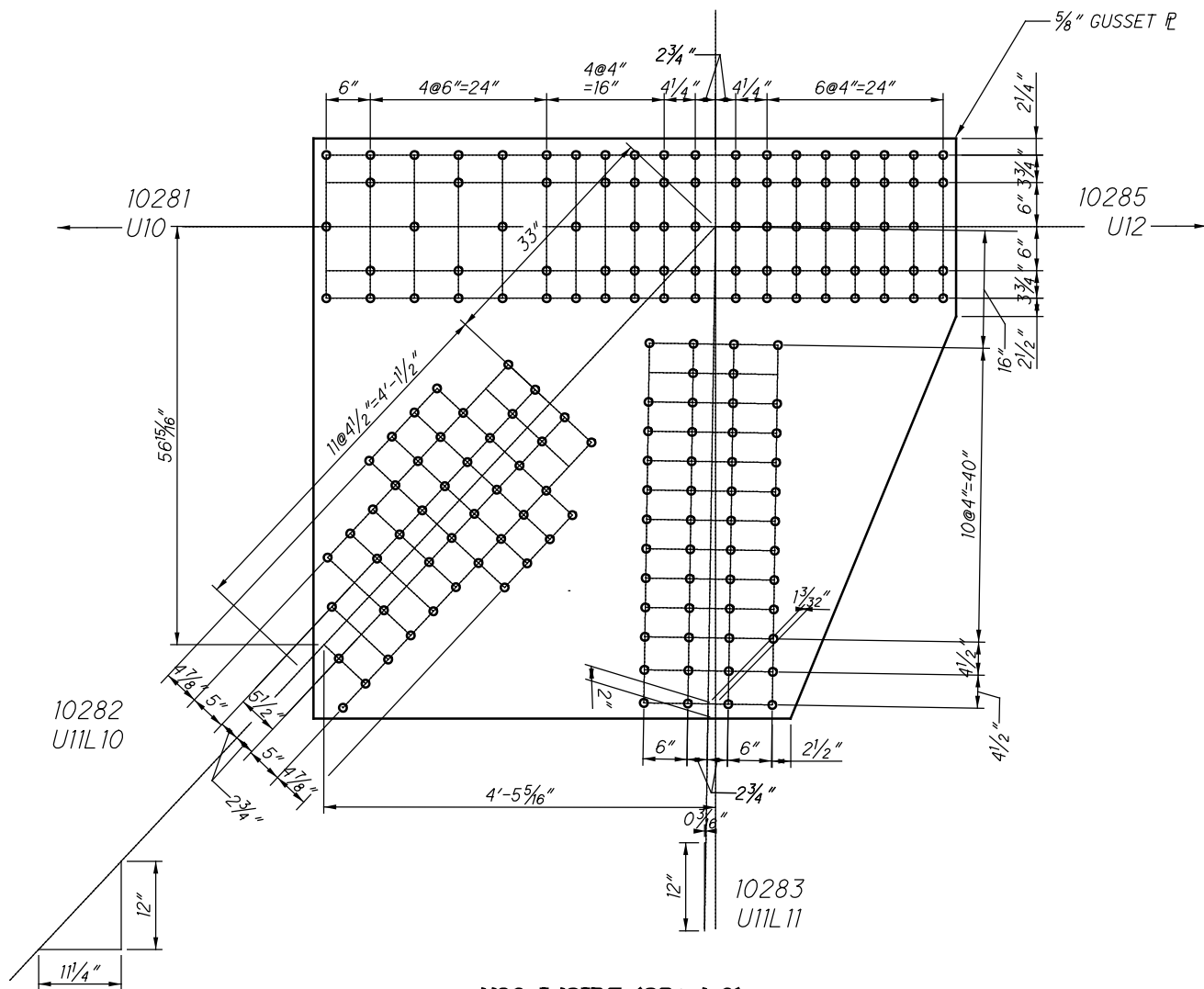
10273
U10L10

**U27 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

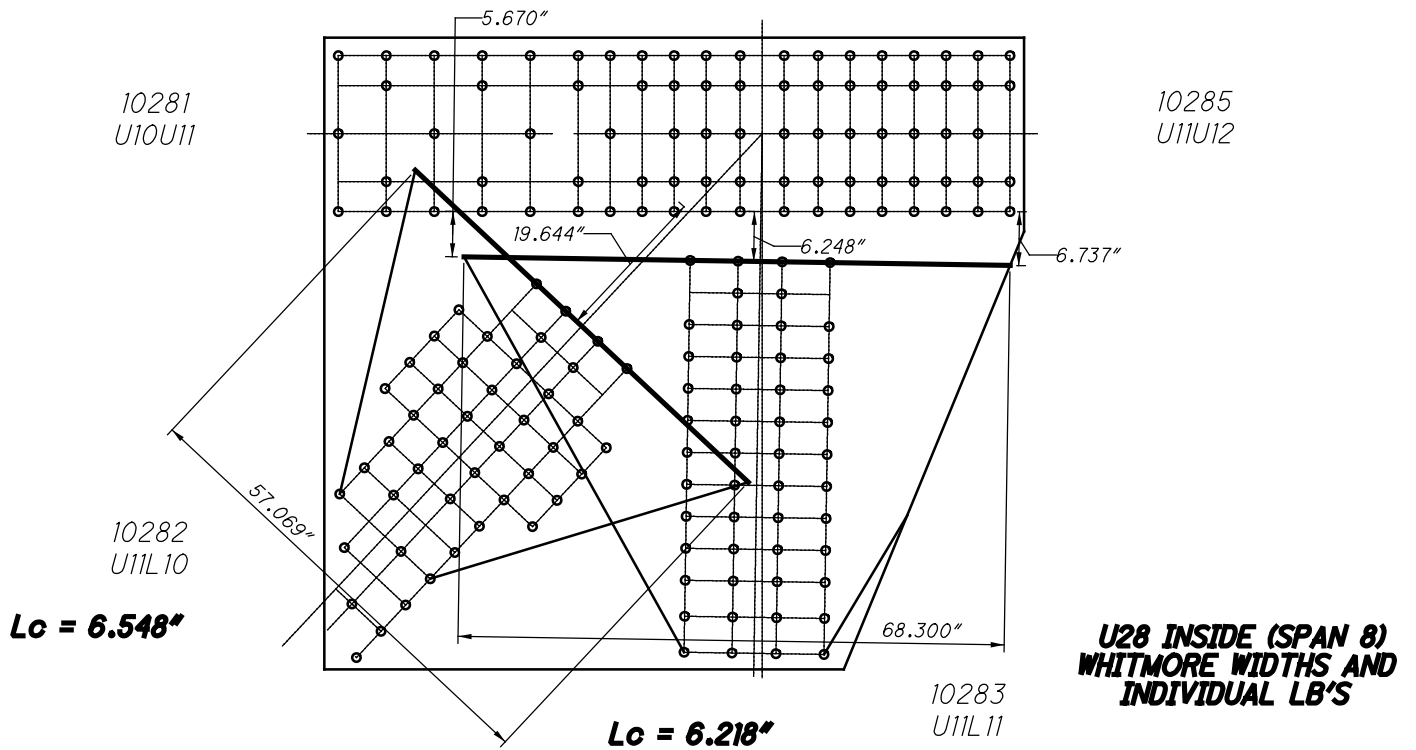




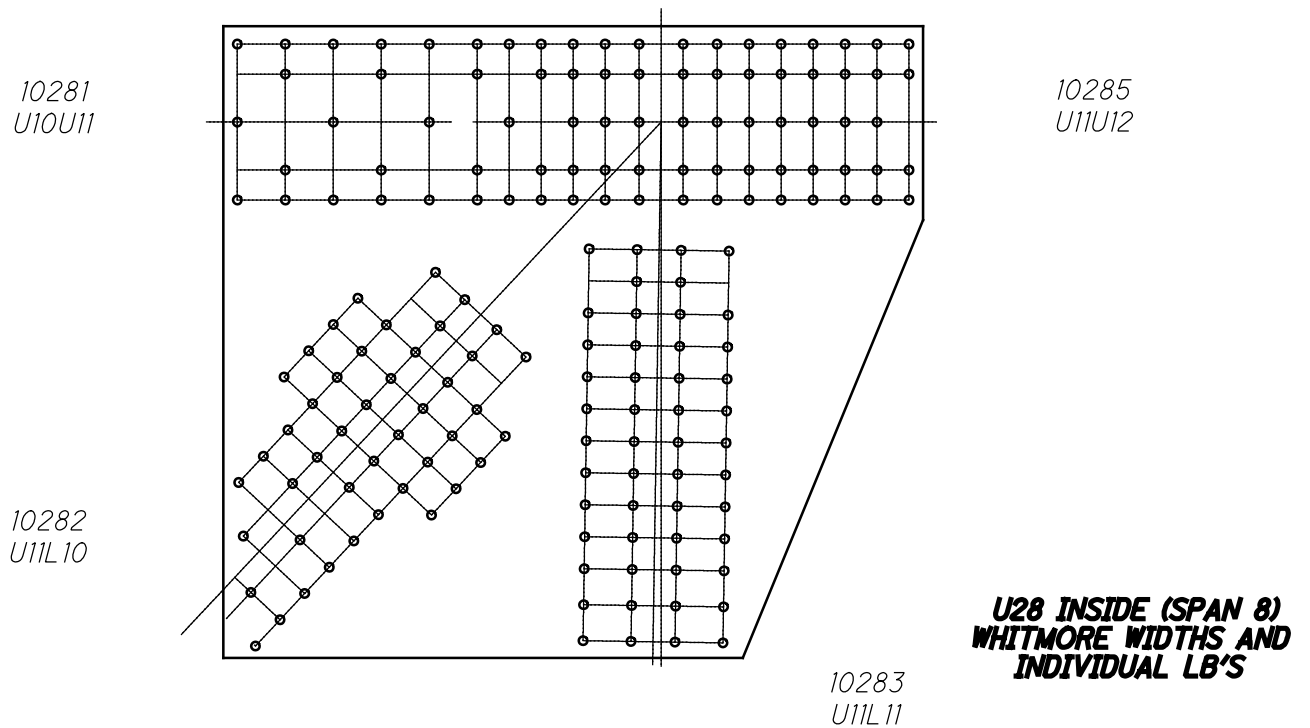
**U27 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

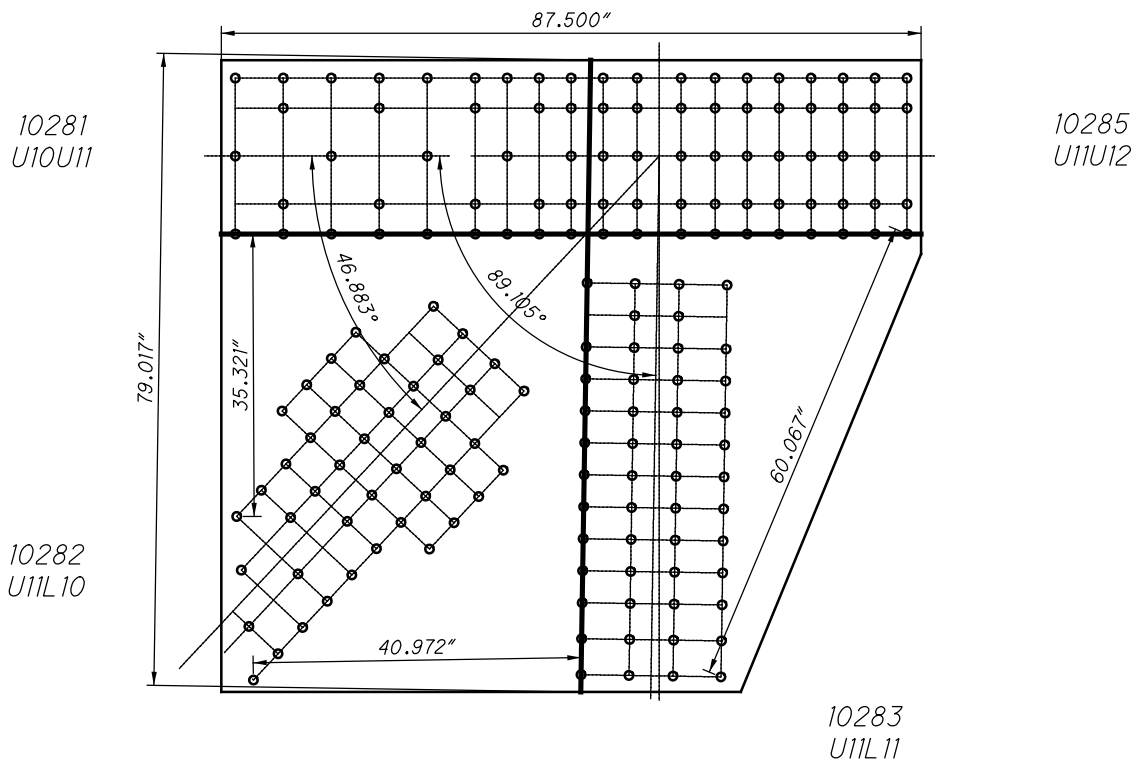
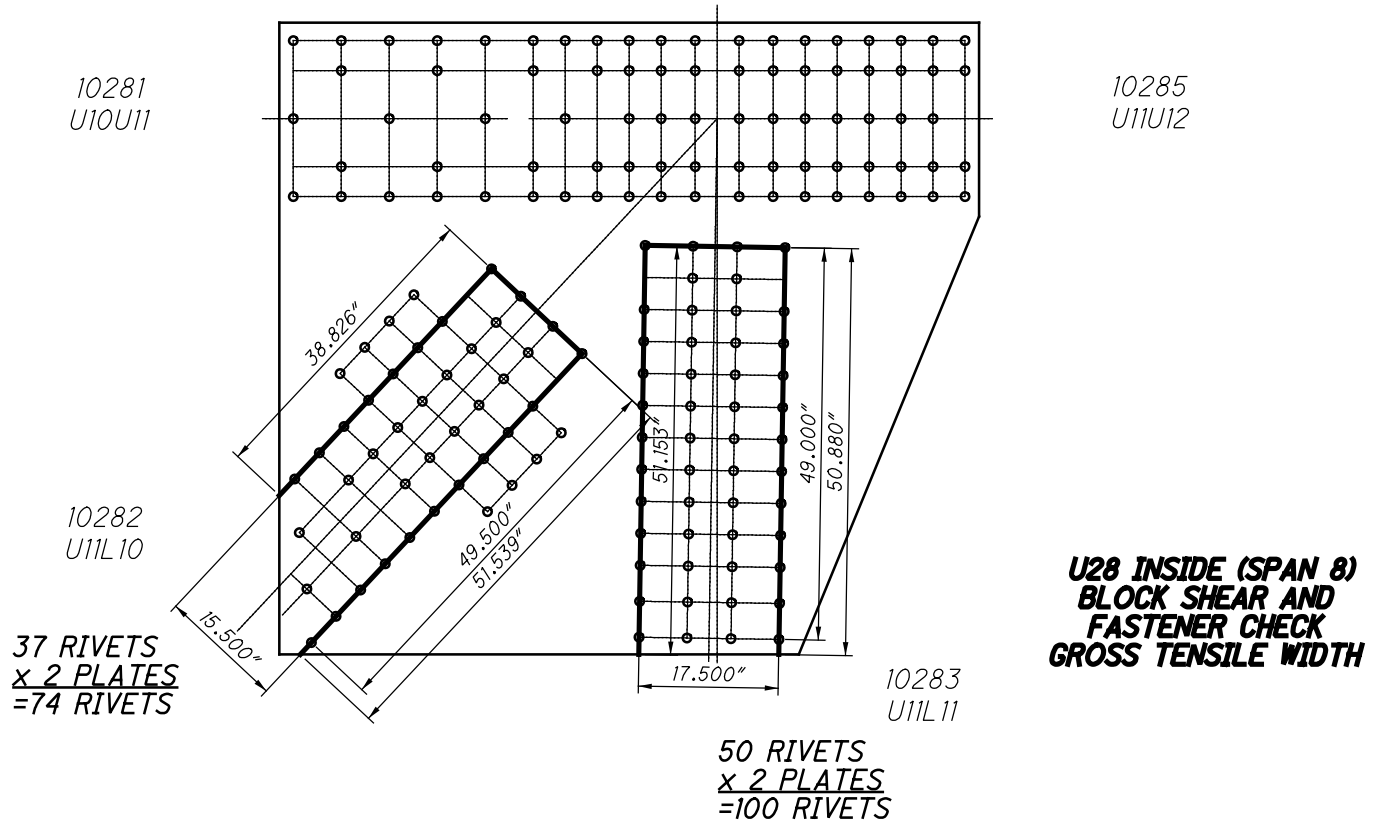


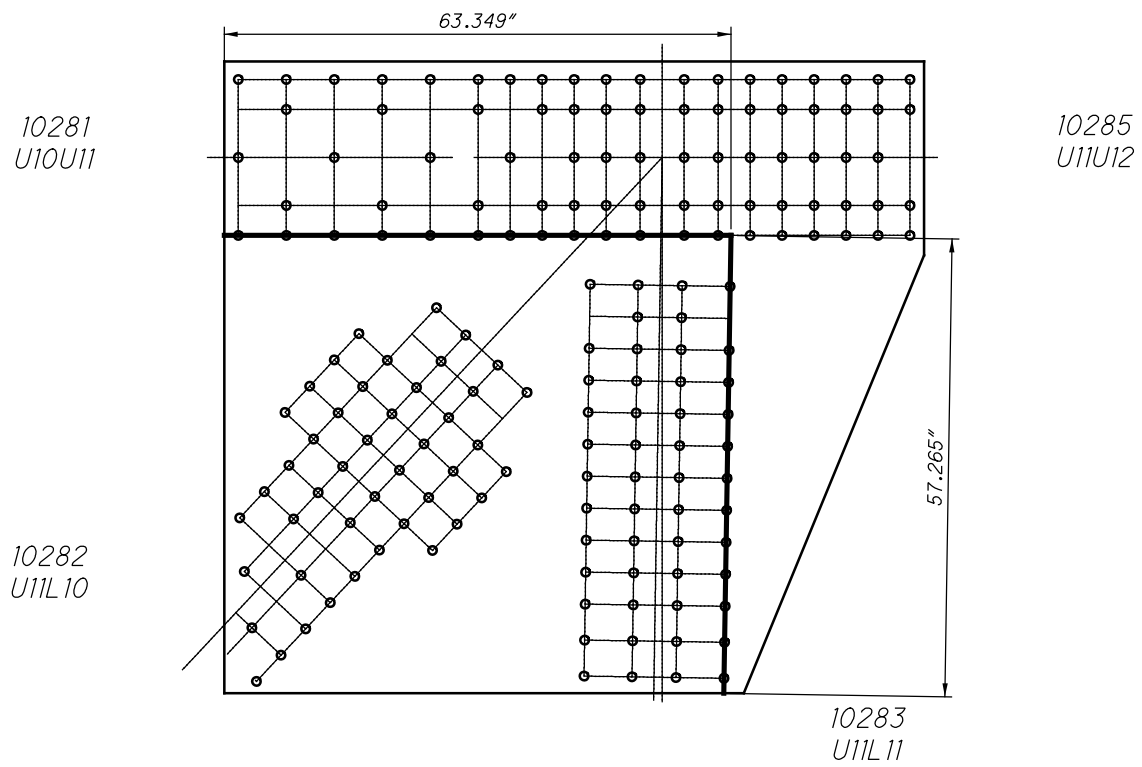
**U28 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



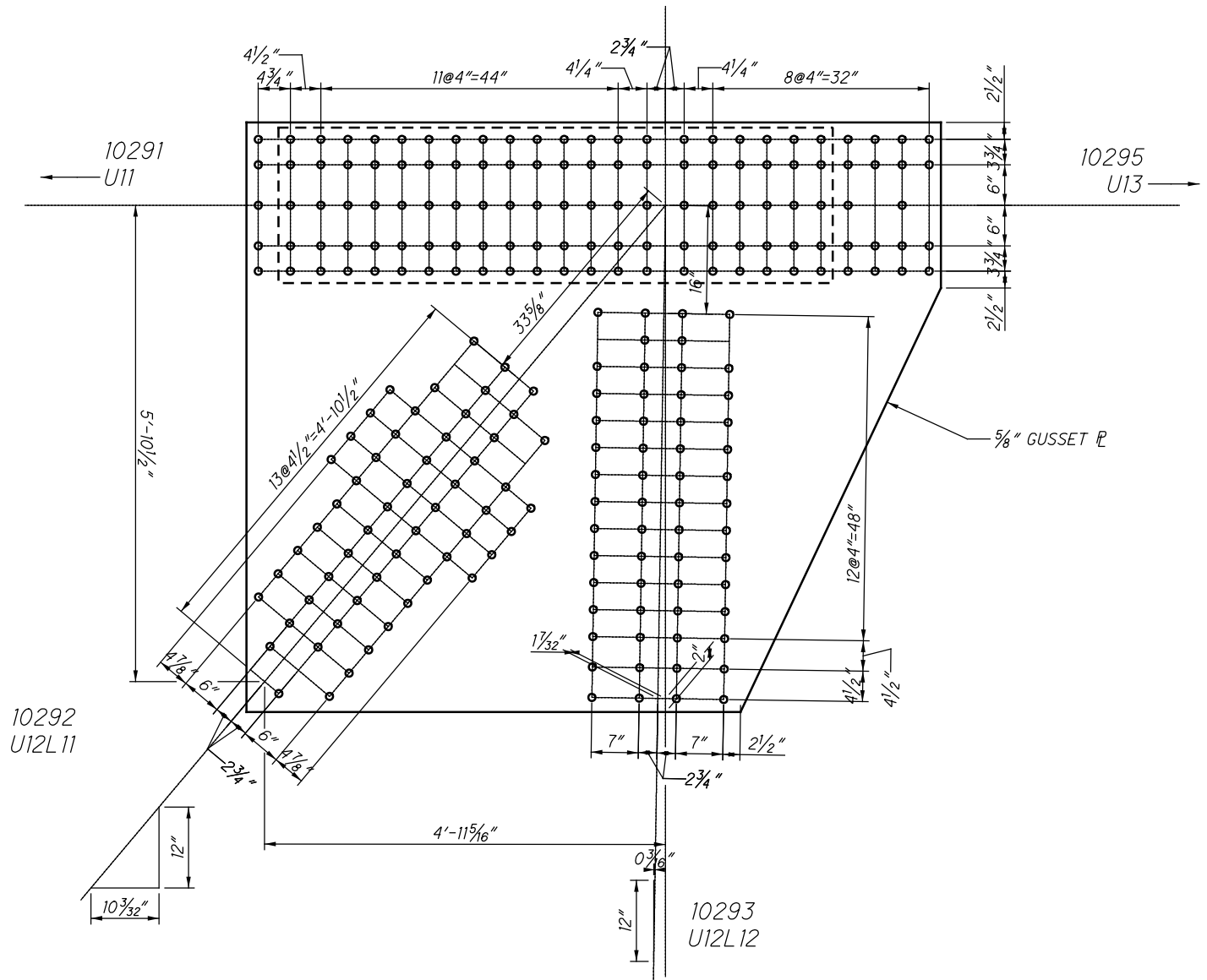
CHORD IS CONTINUOUS





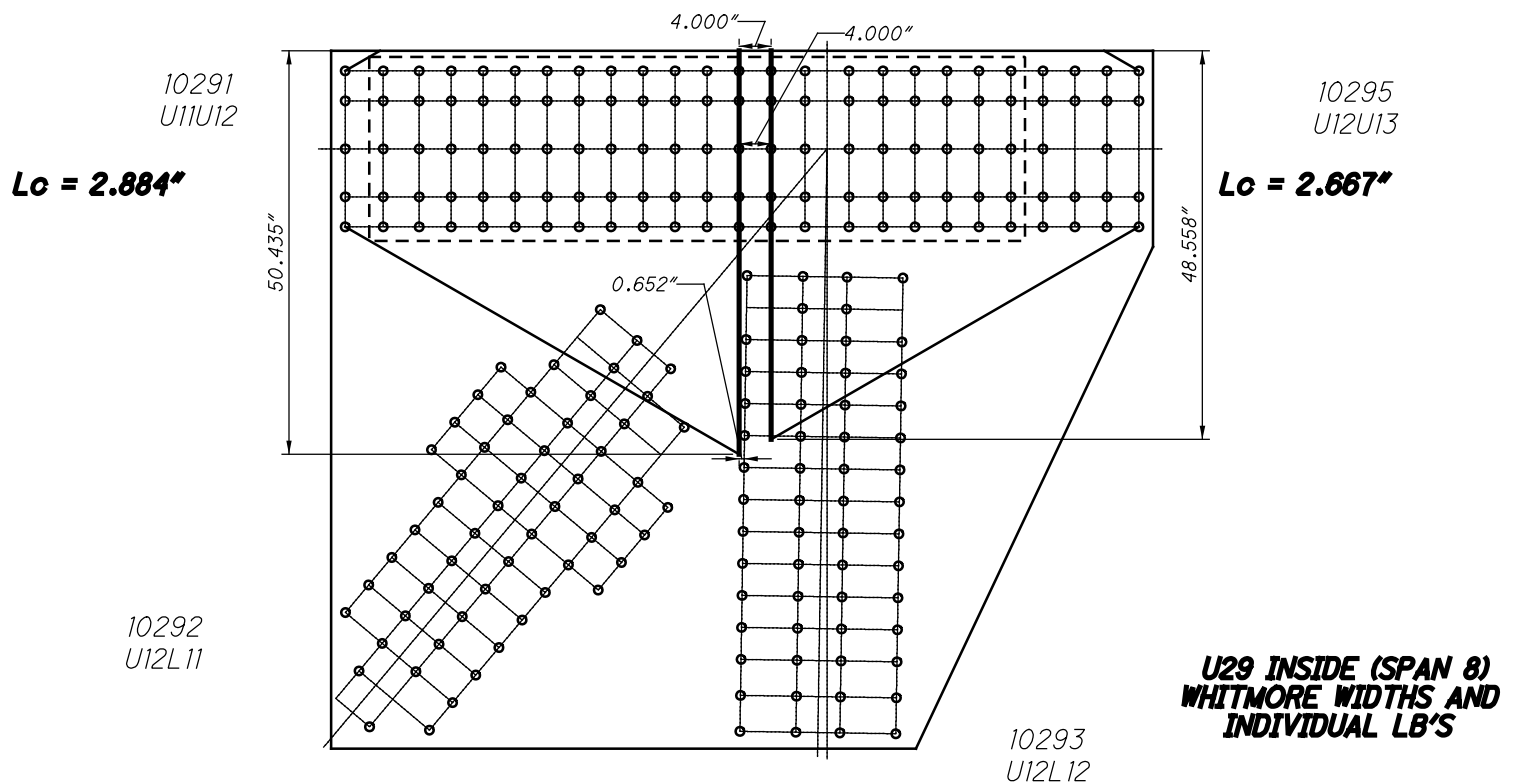
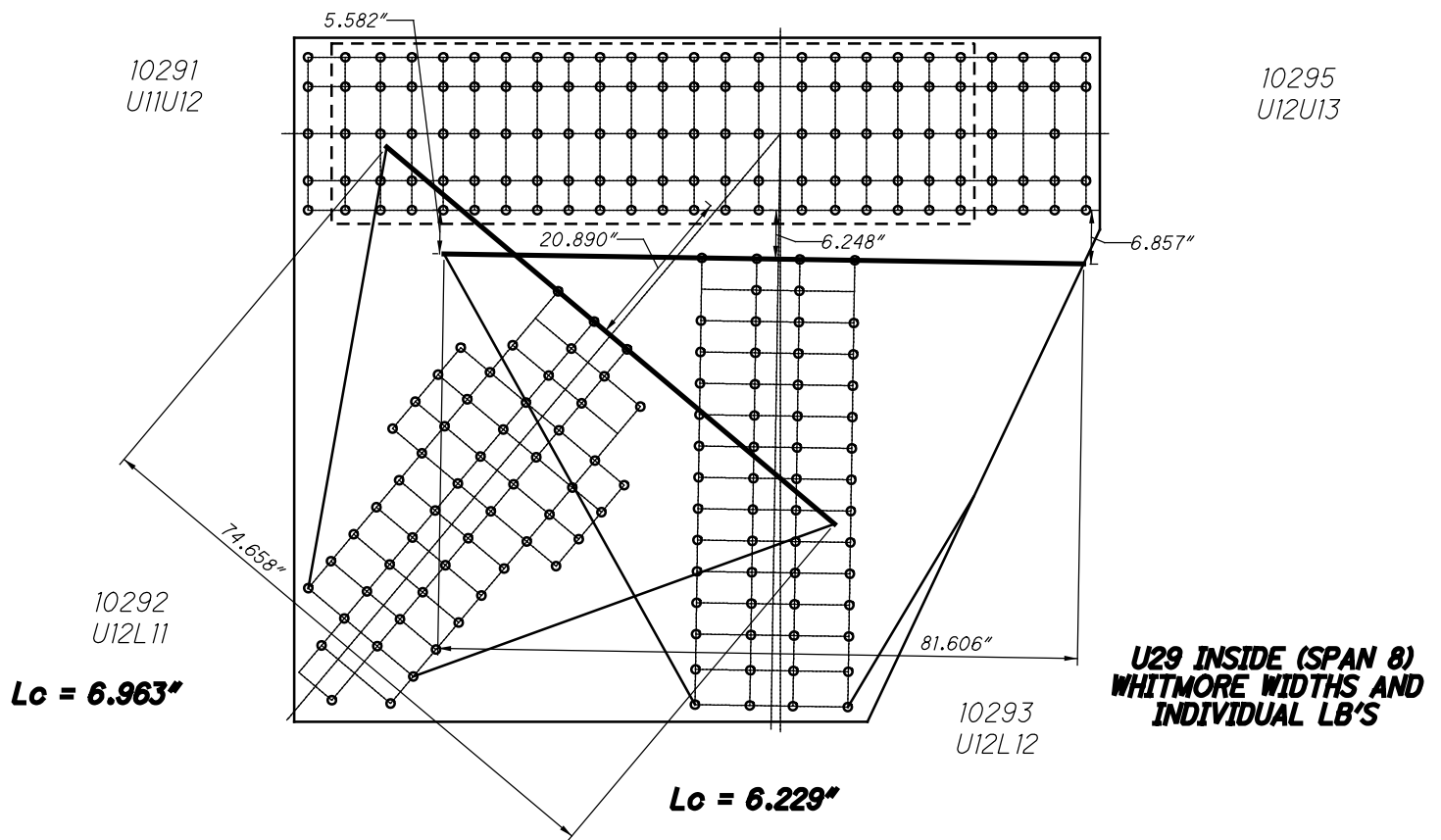


**U28 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



SPLICE PLATE
22 1/2" X 3/4" X 6'-10"

**U29 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



21029 AND 31029

65 RIVETS
x 2 PLATES
=130 RIVETS

10291
U11U12

60 SPLICE P
x 2 PLATES
=120 RIVETS

10295
U12U13

58 RIVETS
x 2 PLATES
=116 RIVETS

40 SPLICE P
x 2 PLATES
=80 RIVETS

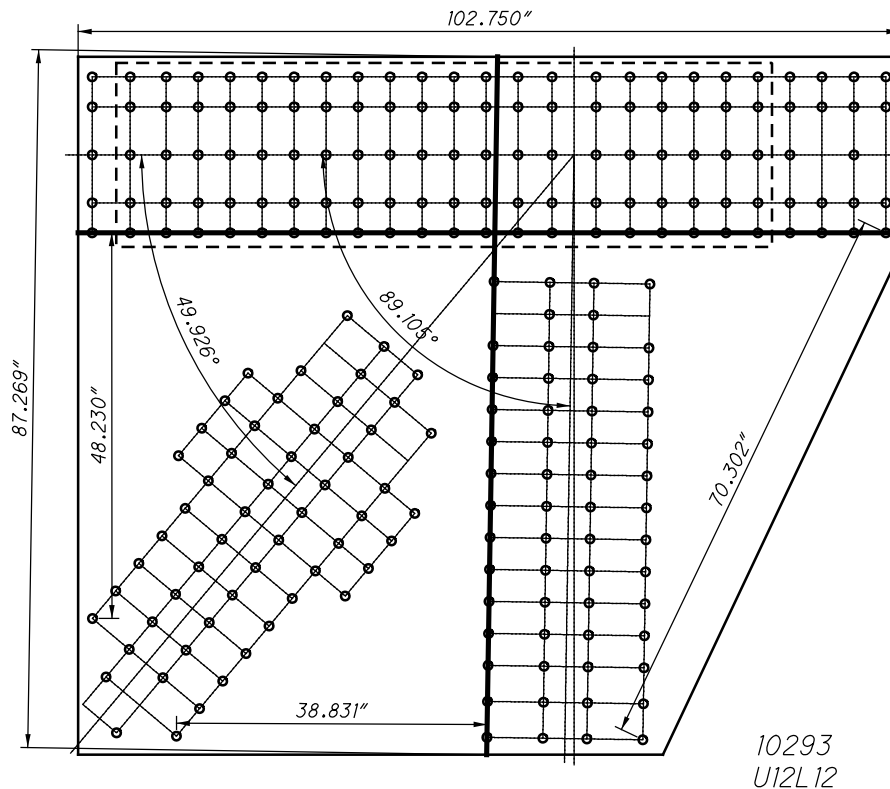
10292
U12L11

48 RIVETS
x 2 PLATES
=96 RIVETS

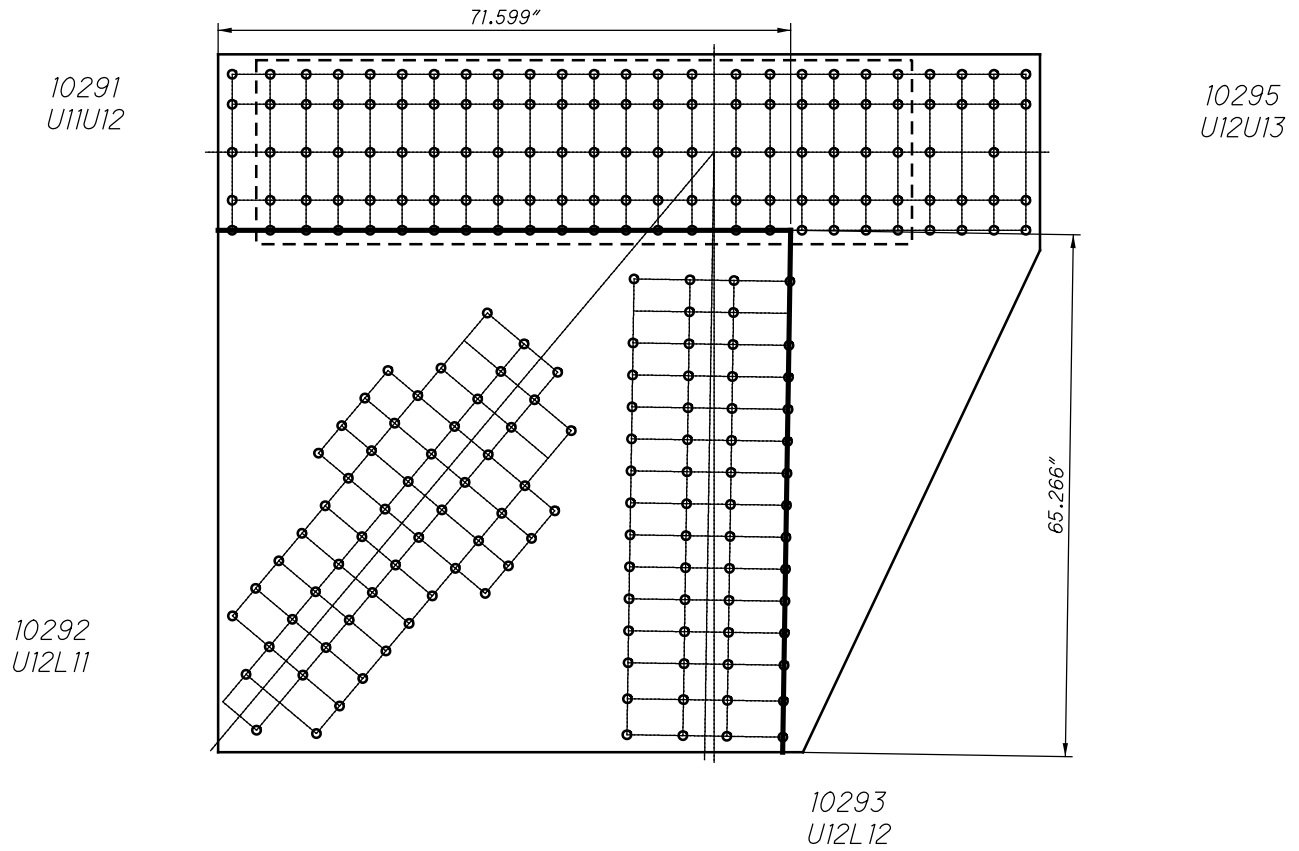
10293
U12L12

58 RIVETS
x 2 PLATES
=116 RIVETS

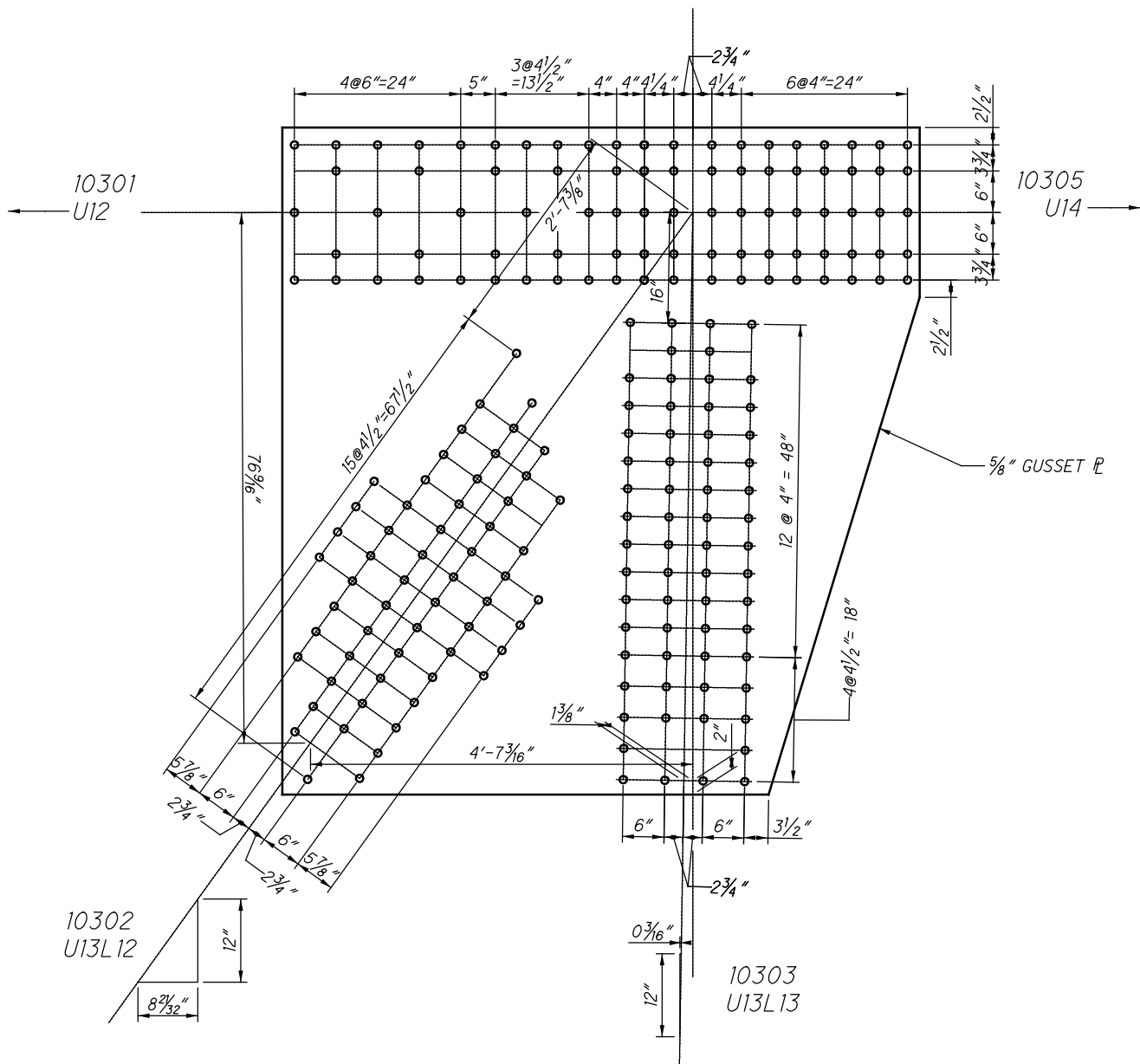
**U29 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**



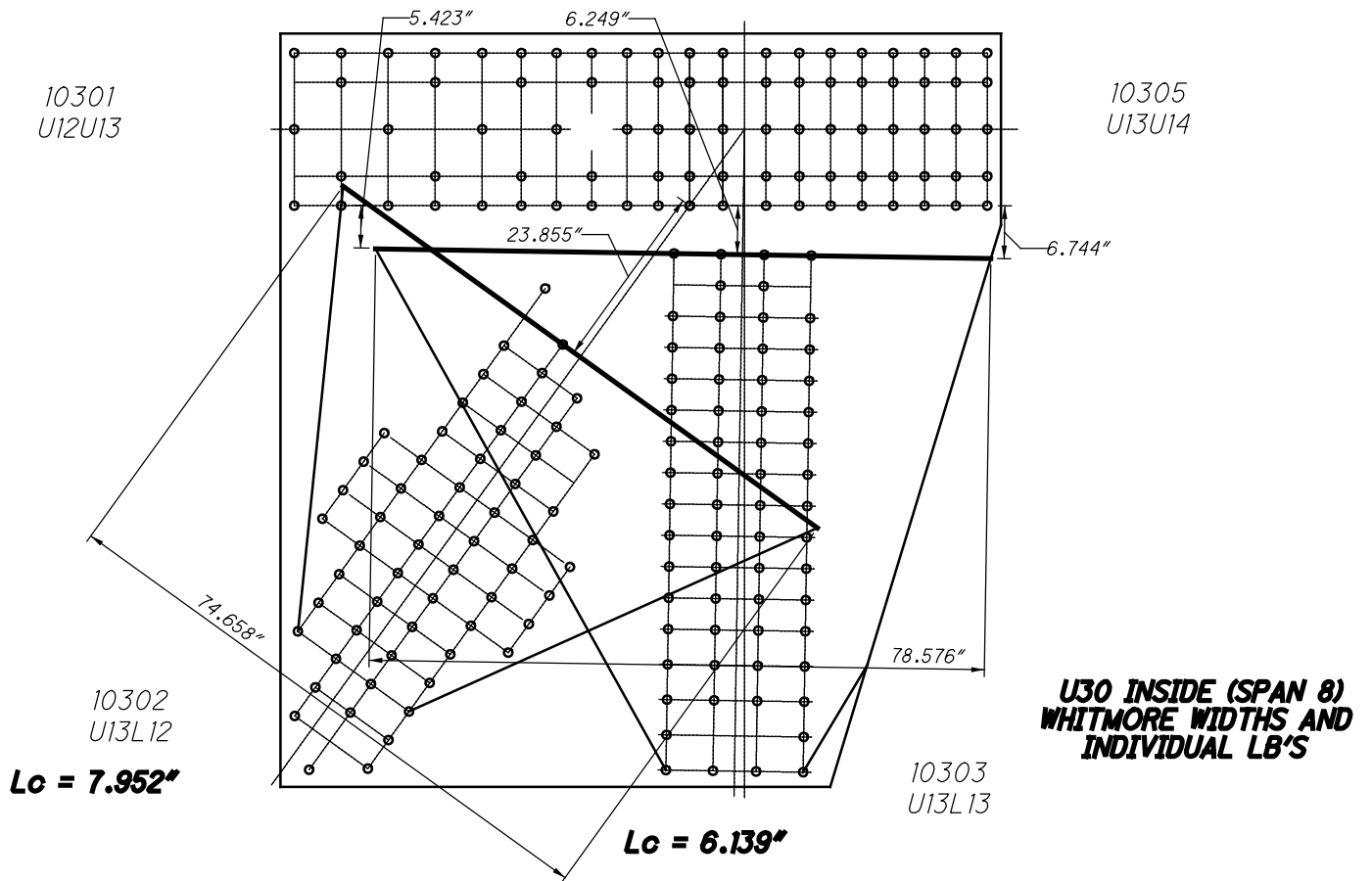
**U29 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



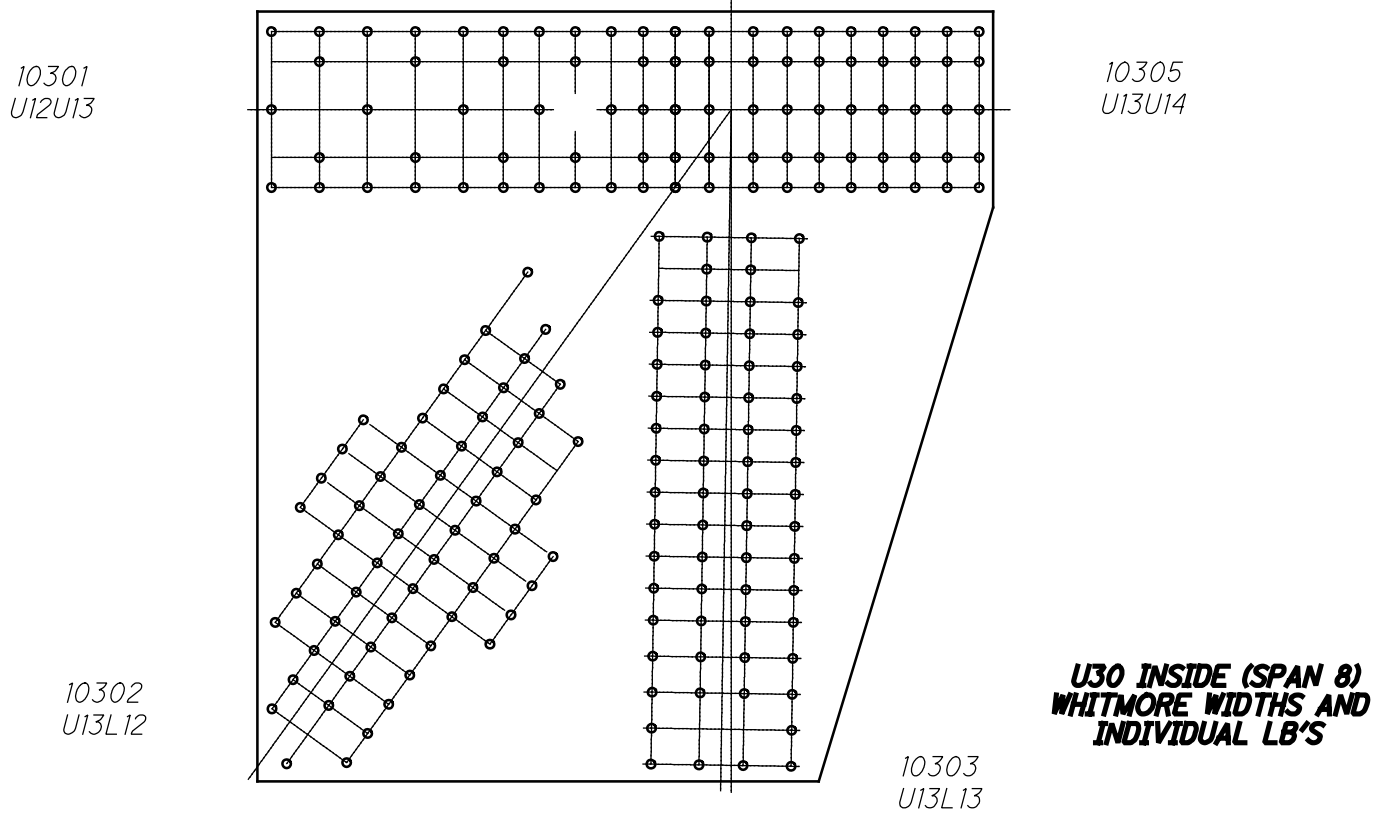
**U29 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U30 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



CHORD IS CONTINUOUS



10301
U12U13

10305
U13U14

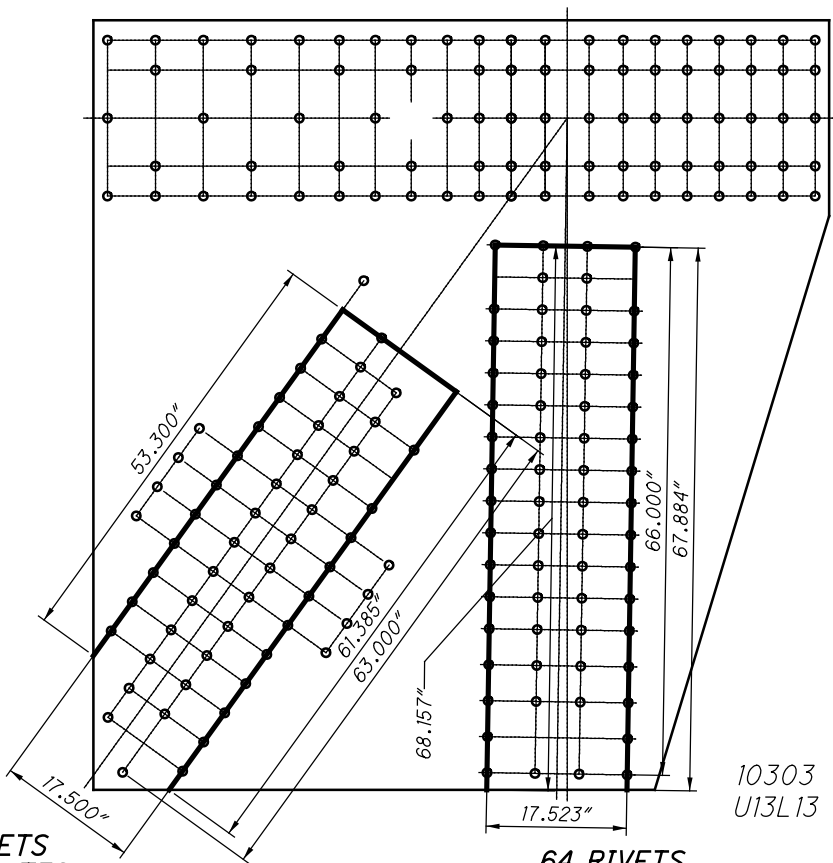
10302
U13L12

10303
U13L13

**U30 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

**49 RIVETS
x 2 PLATES
=98 RIVETS**

**64 RIVETS
x 2 PLATES
=128 RIVETS**



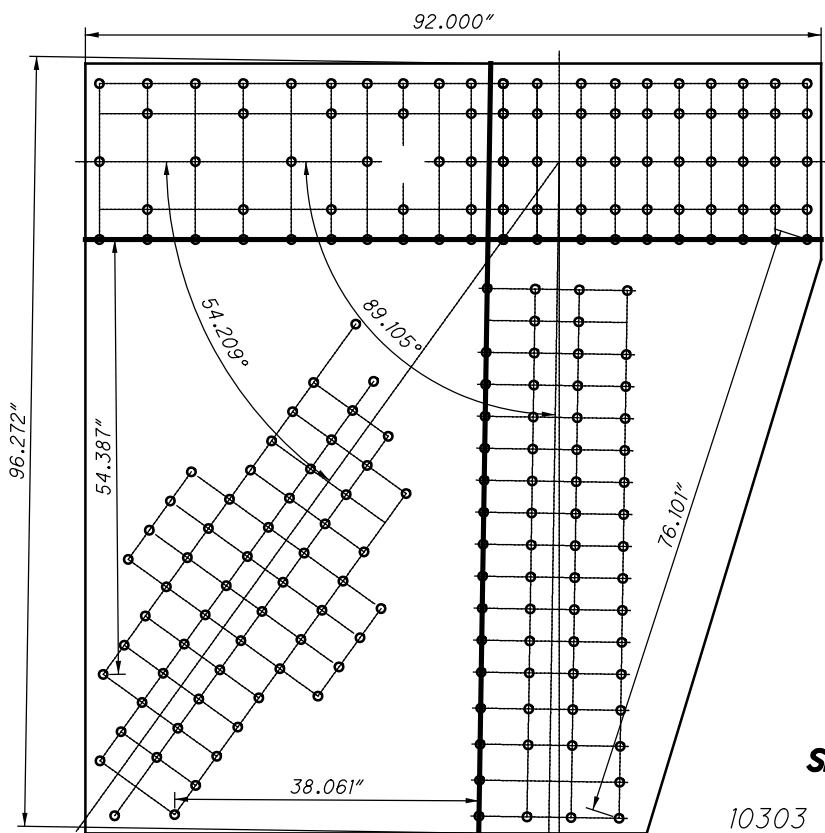
10301
U12U13

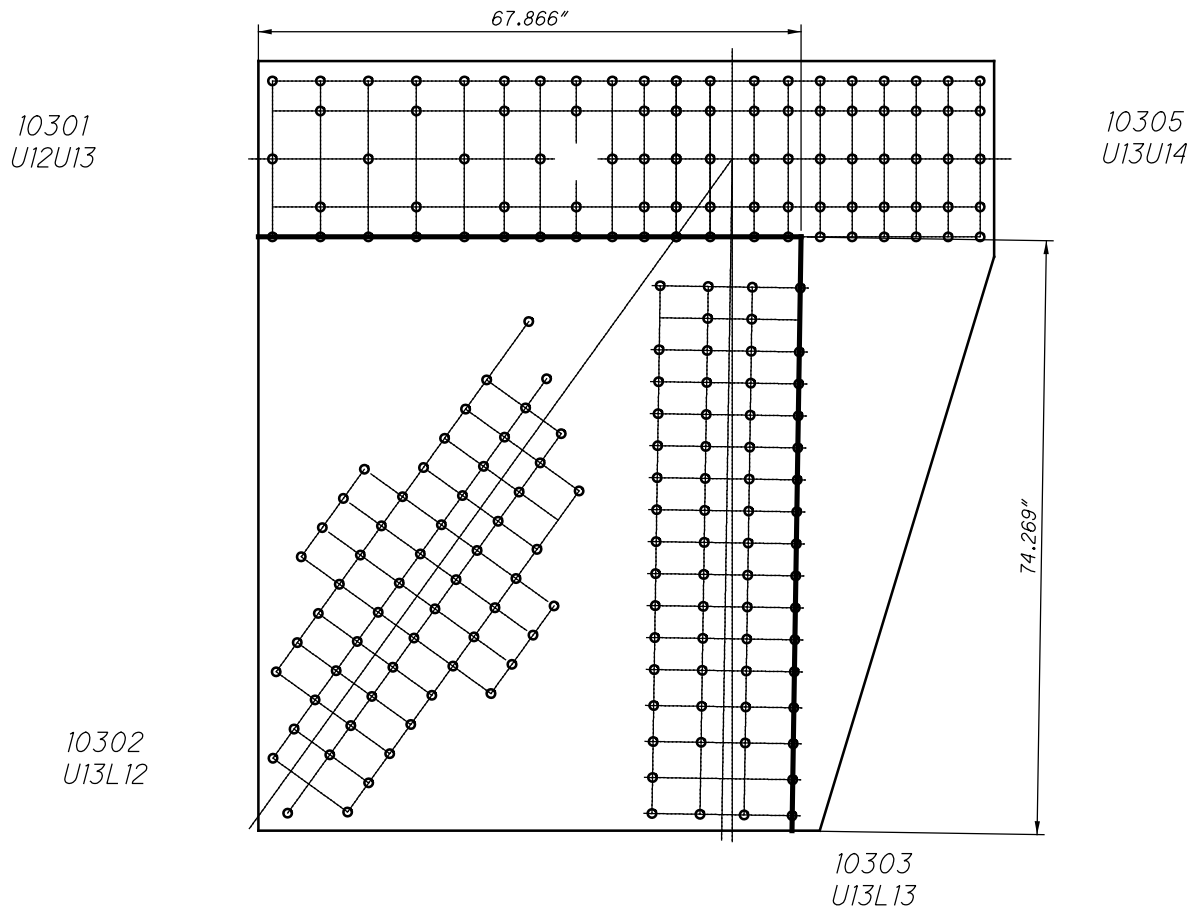
10305
U13U14

10302
U13L12

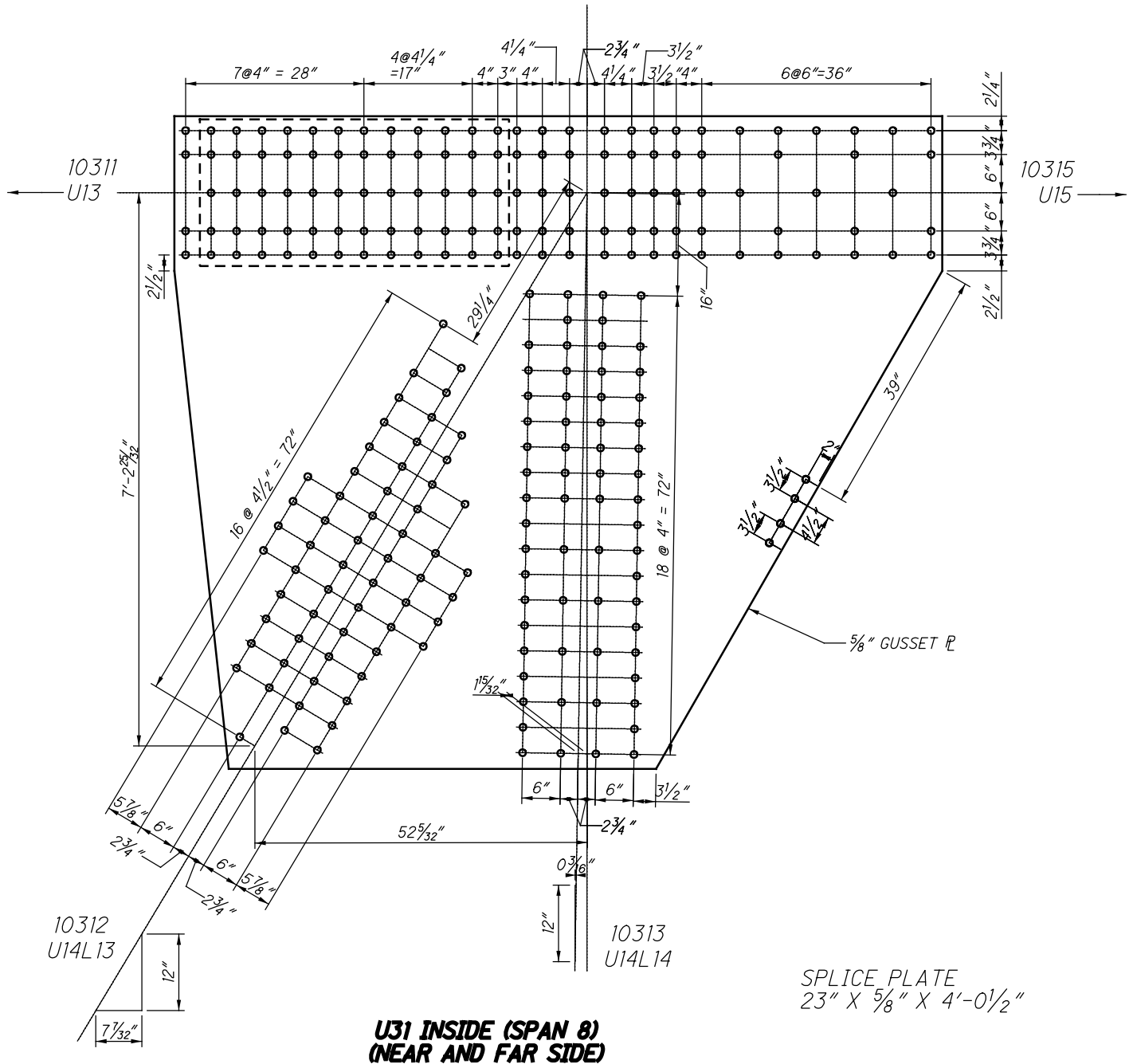
10303
U13L13

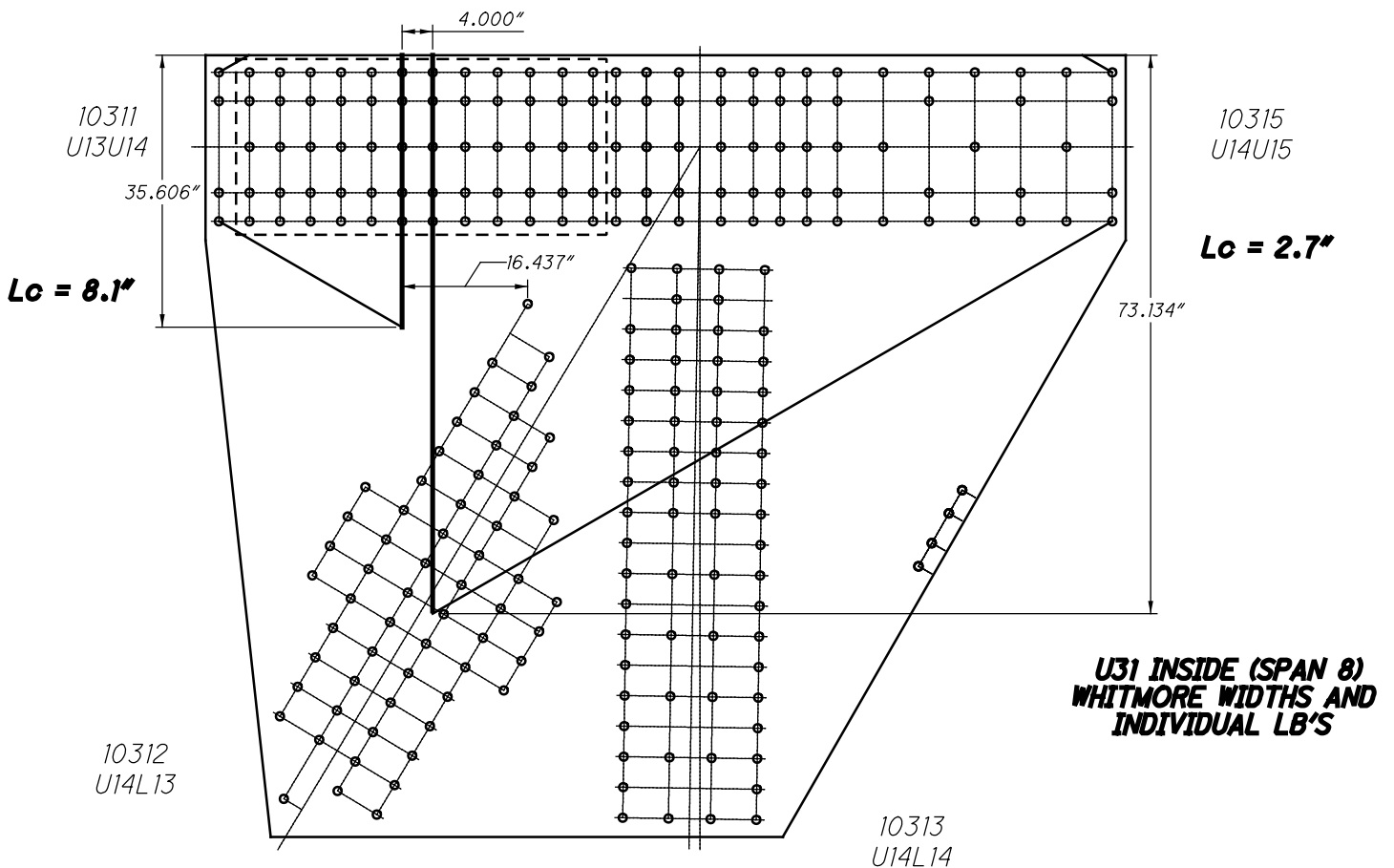
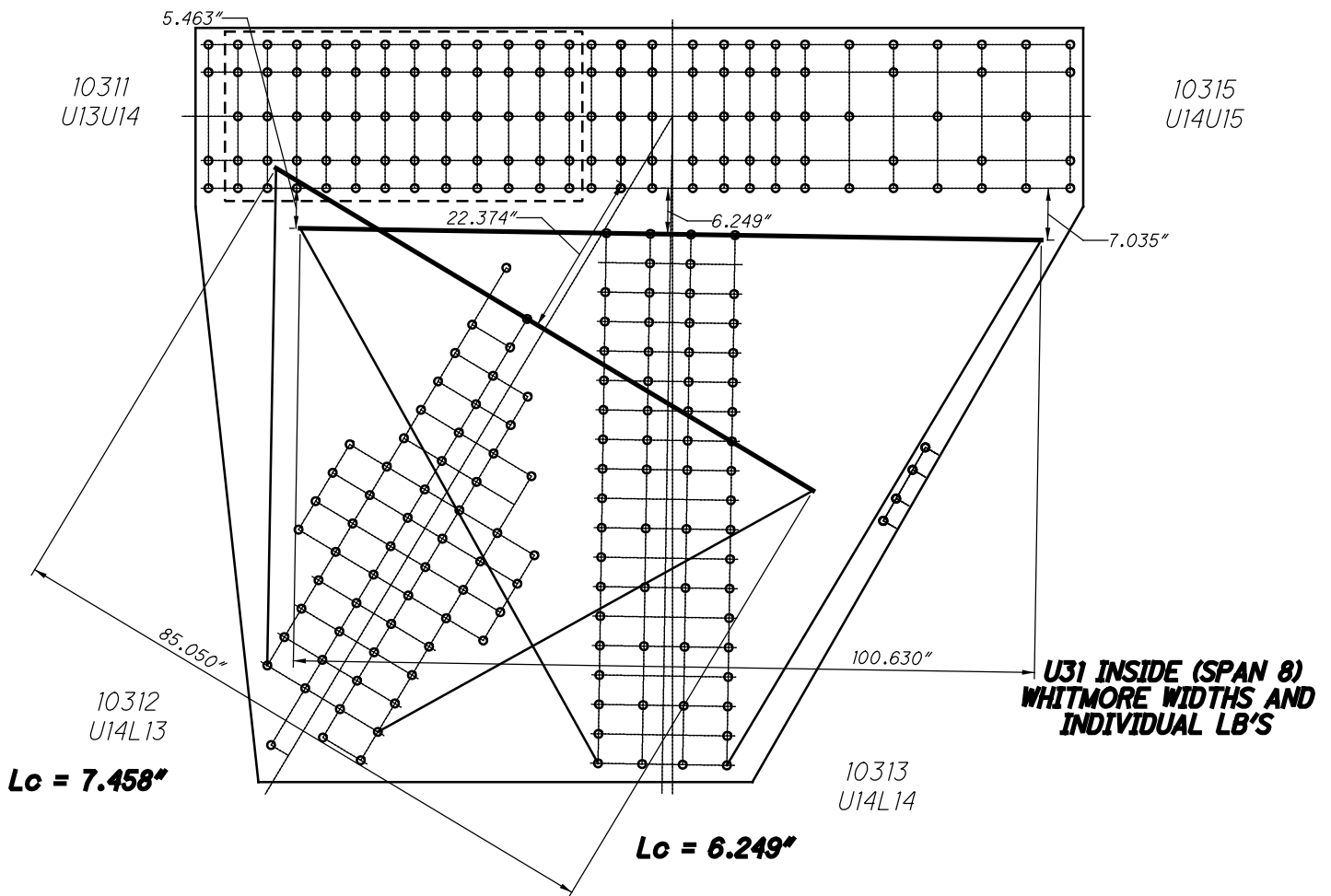
**U30 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

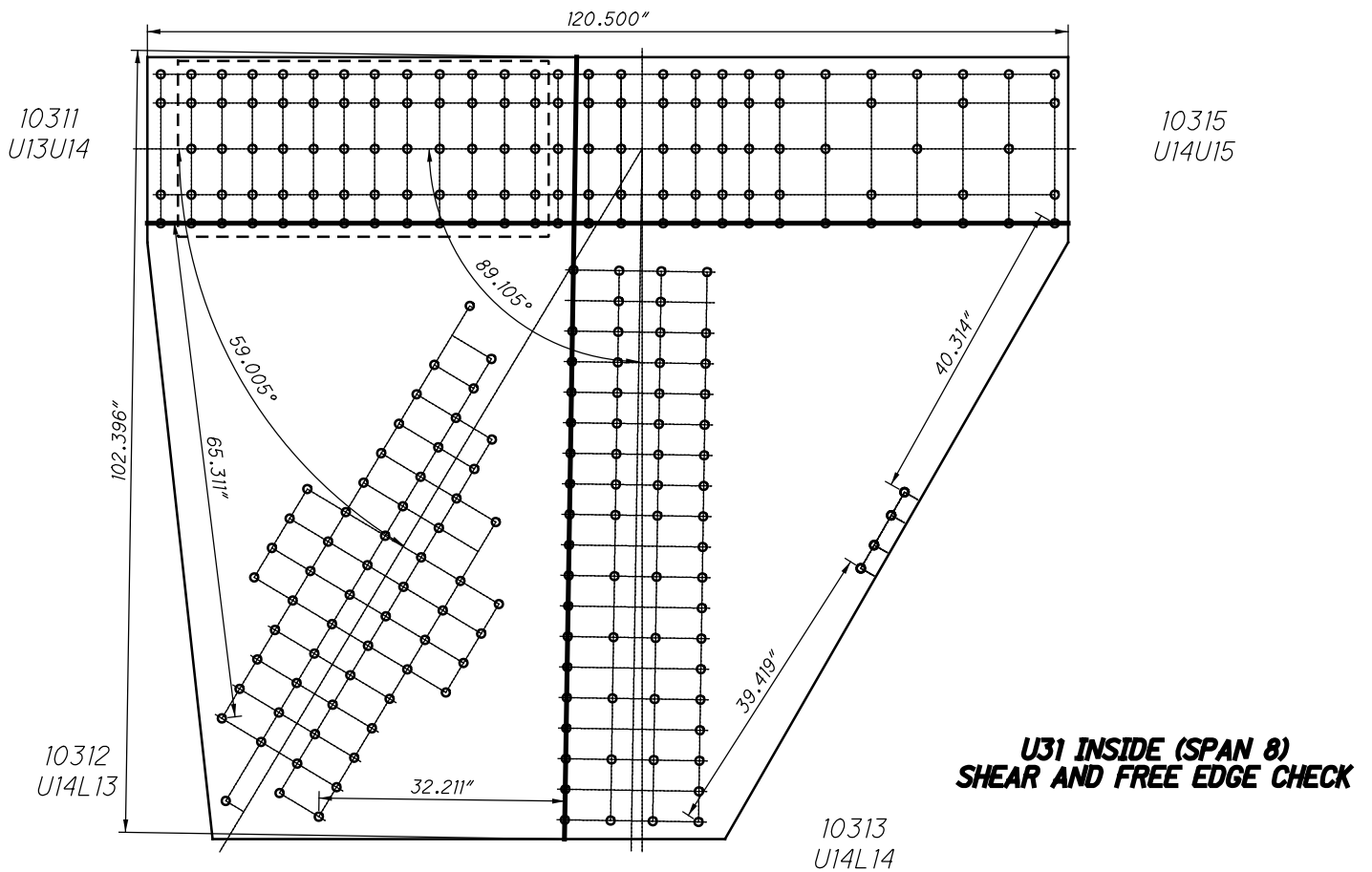
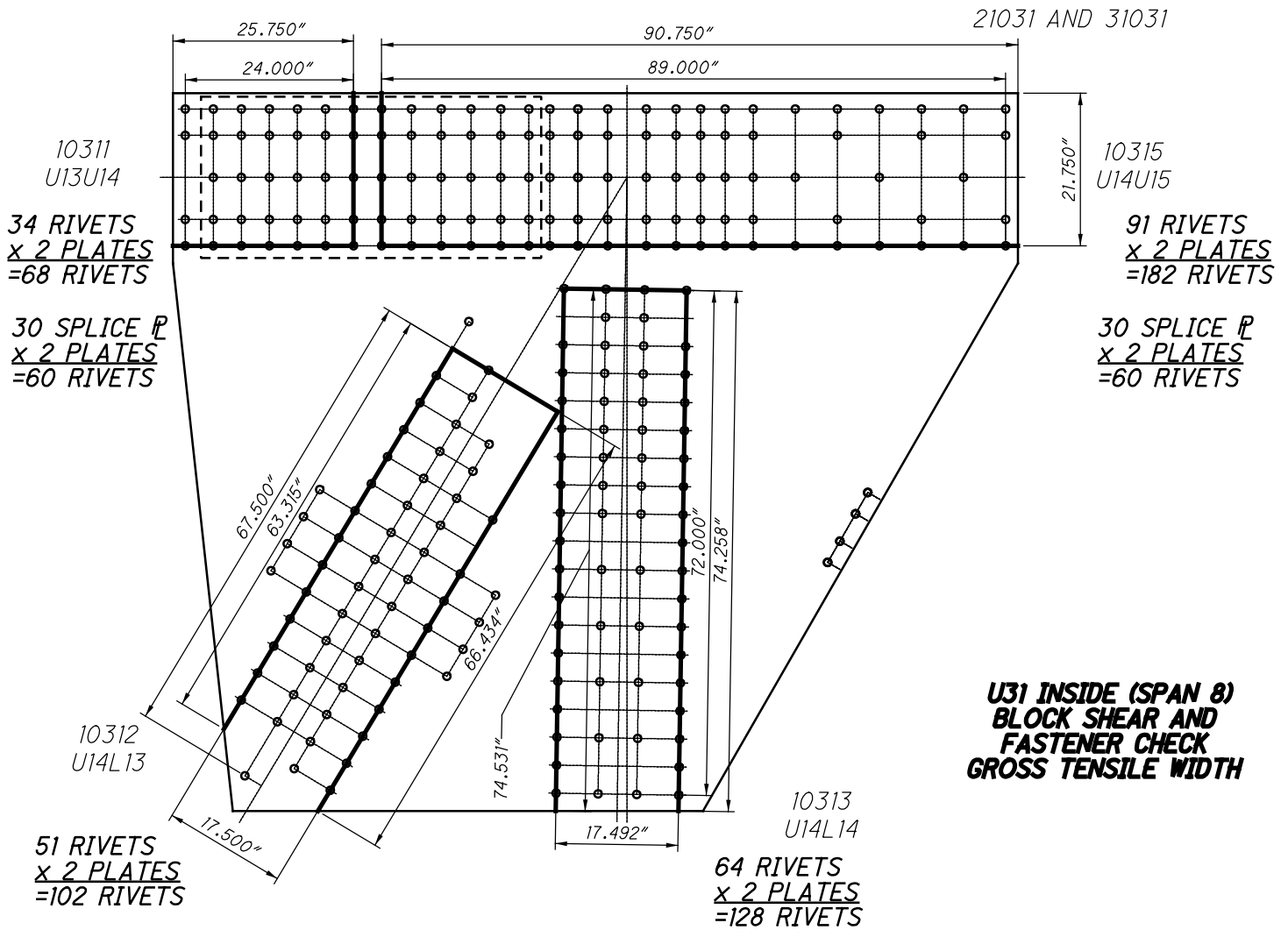


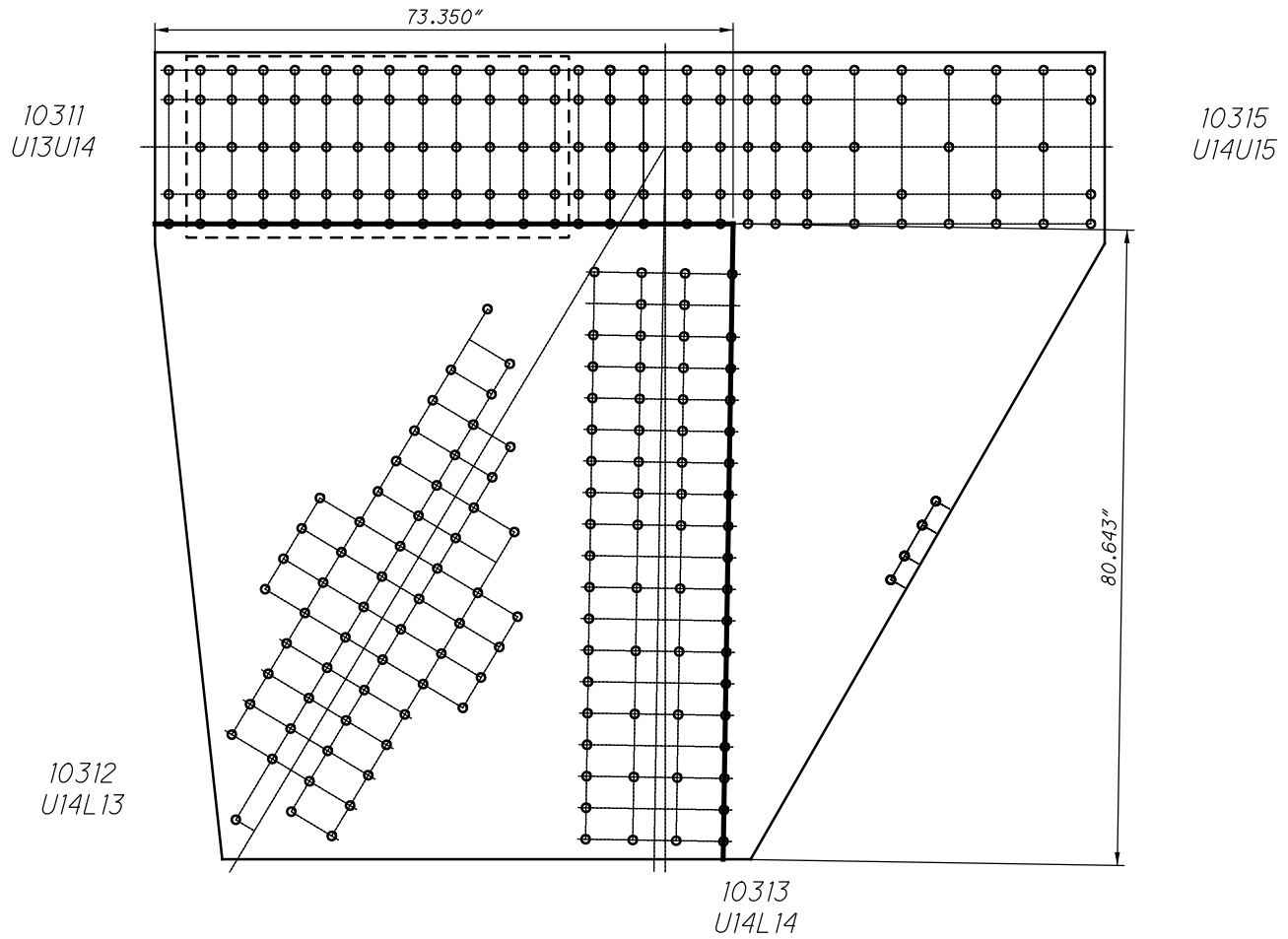


**U30 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**

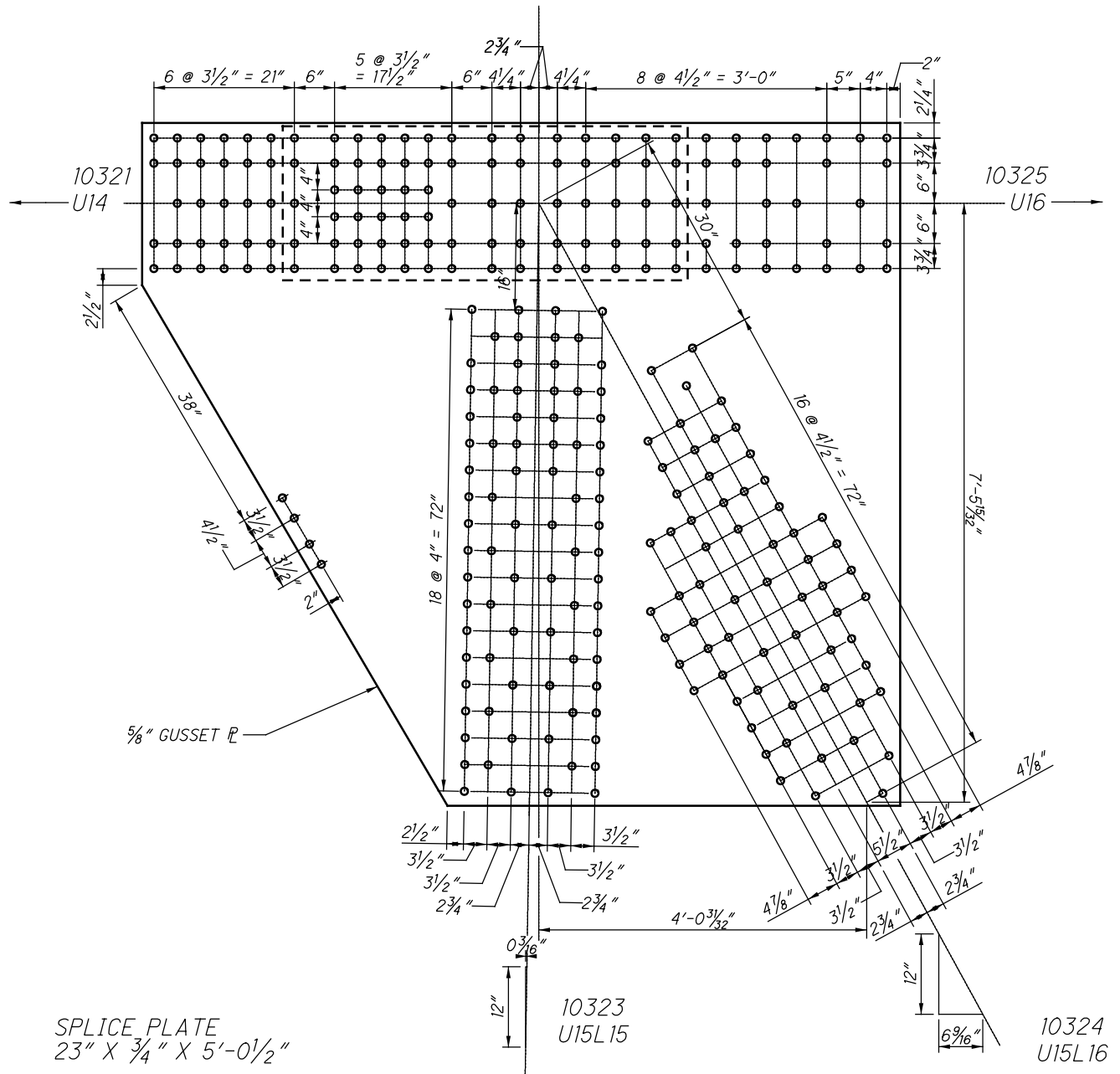




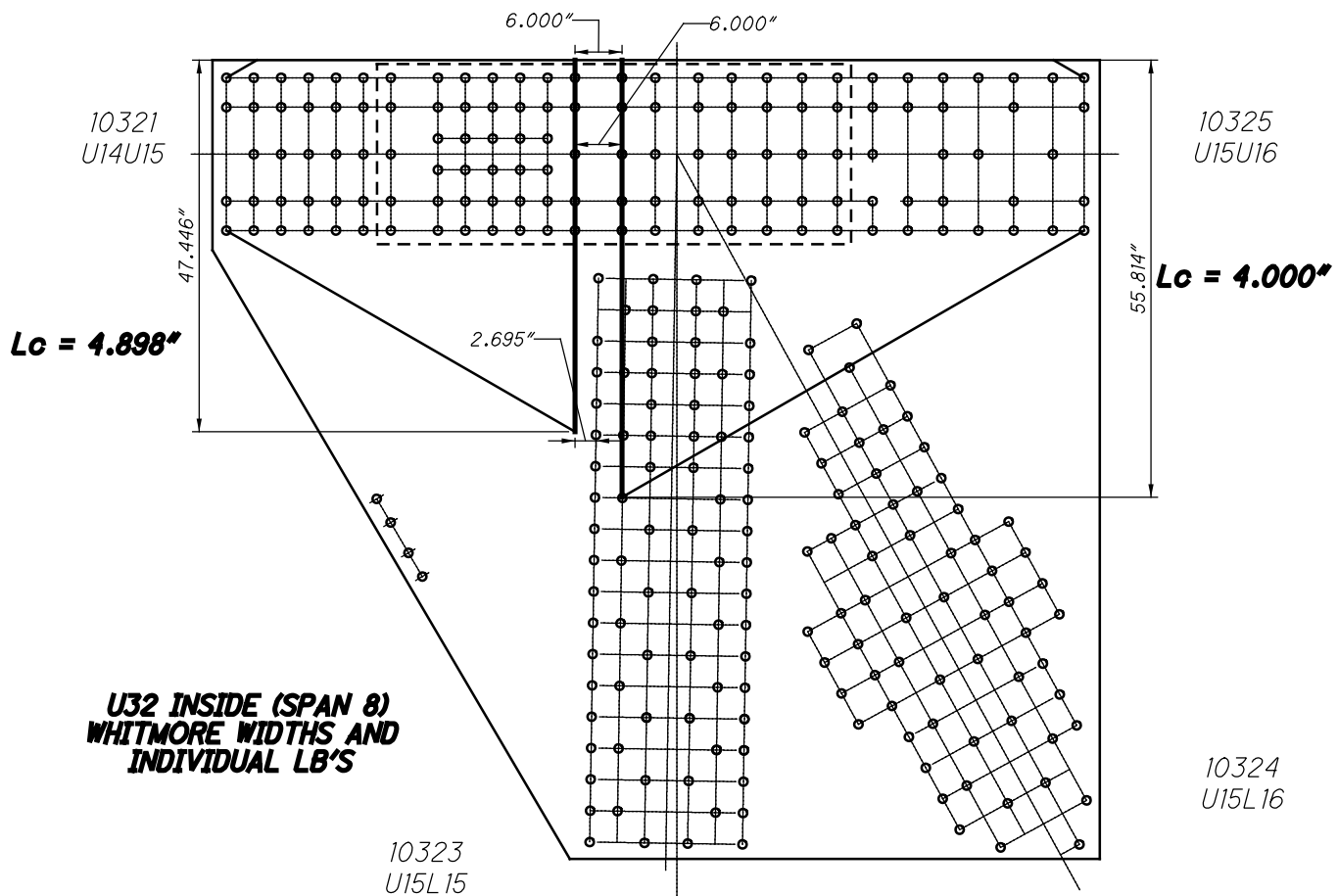
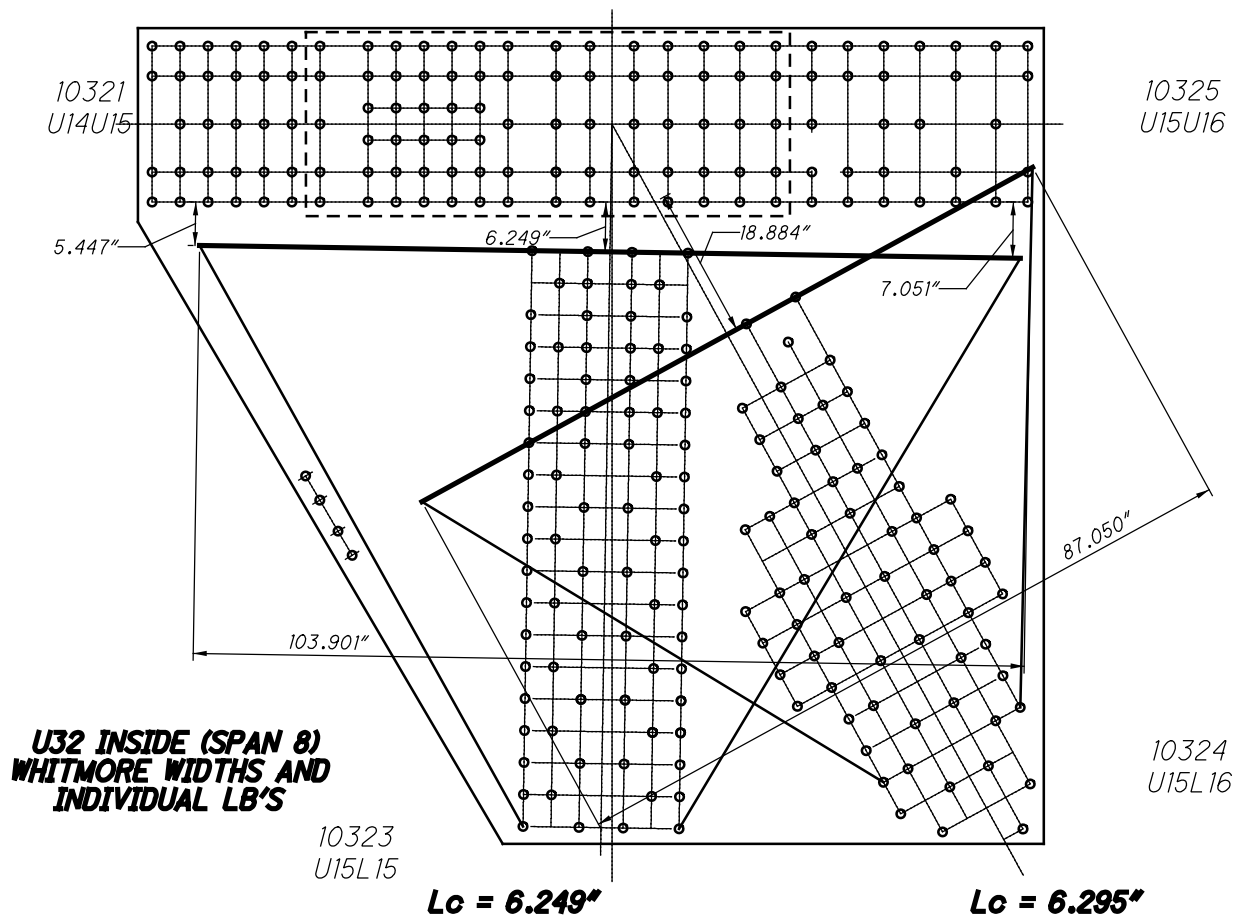


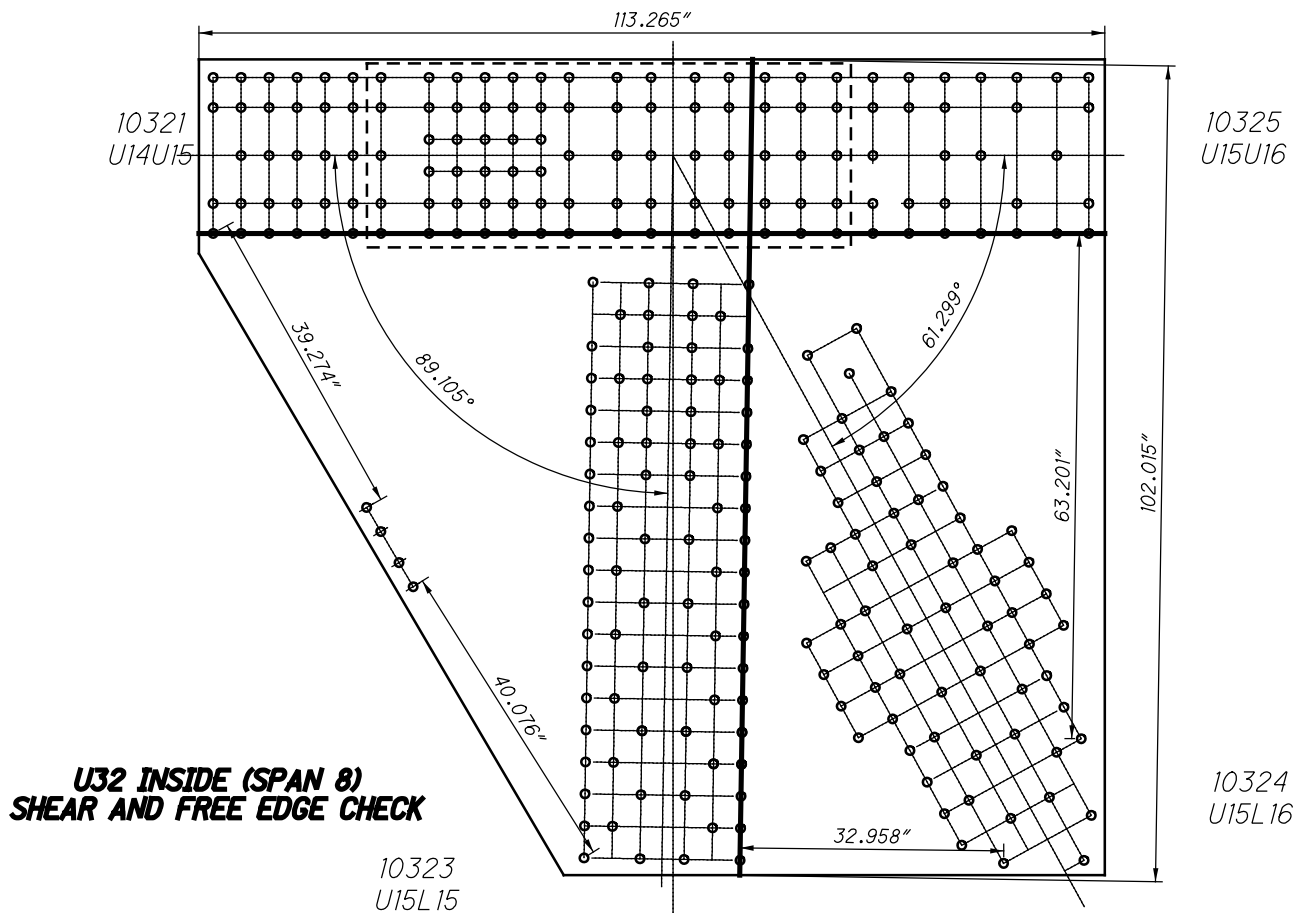
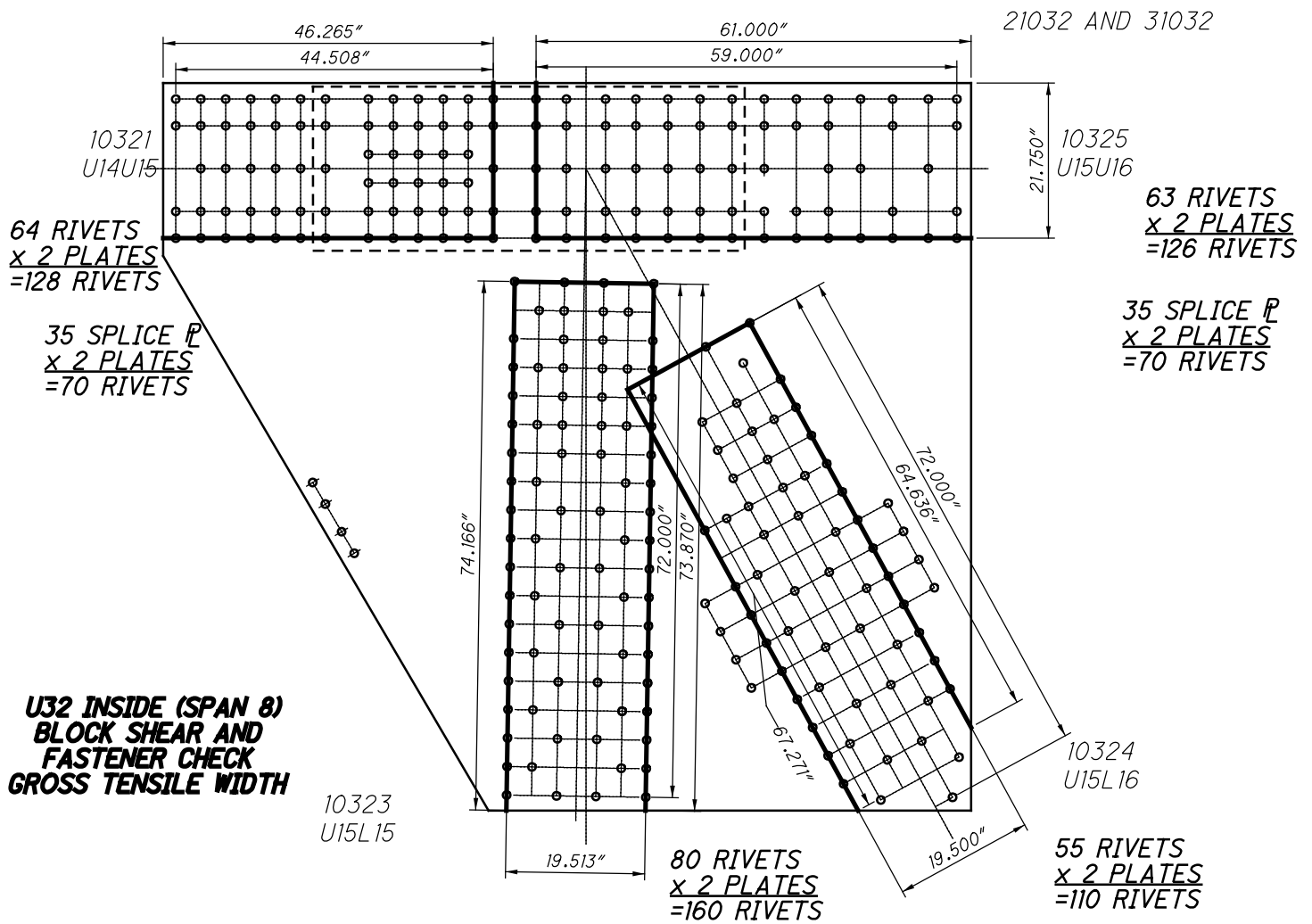


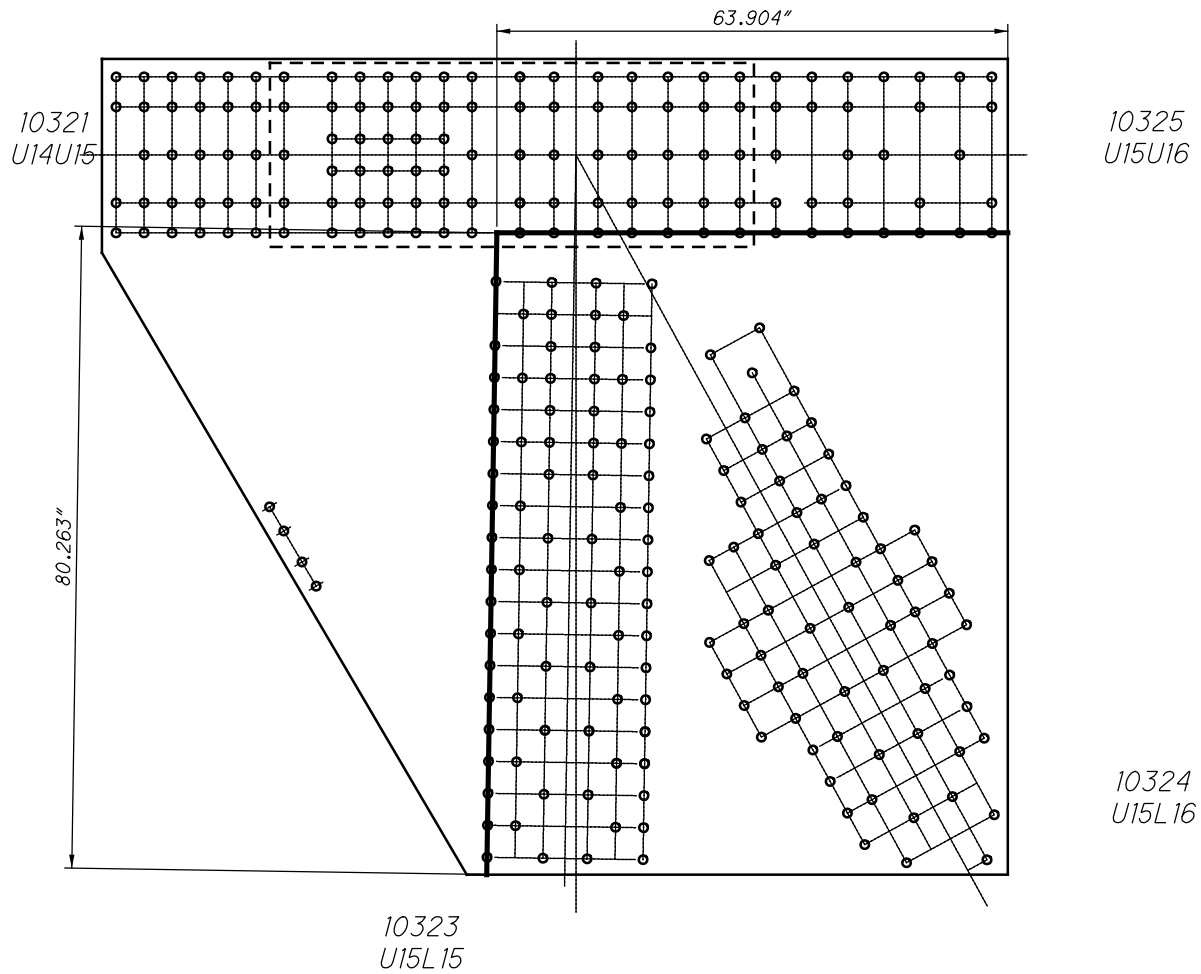
**U31 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



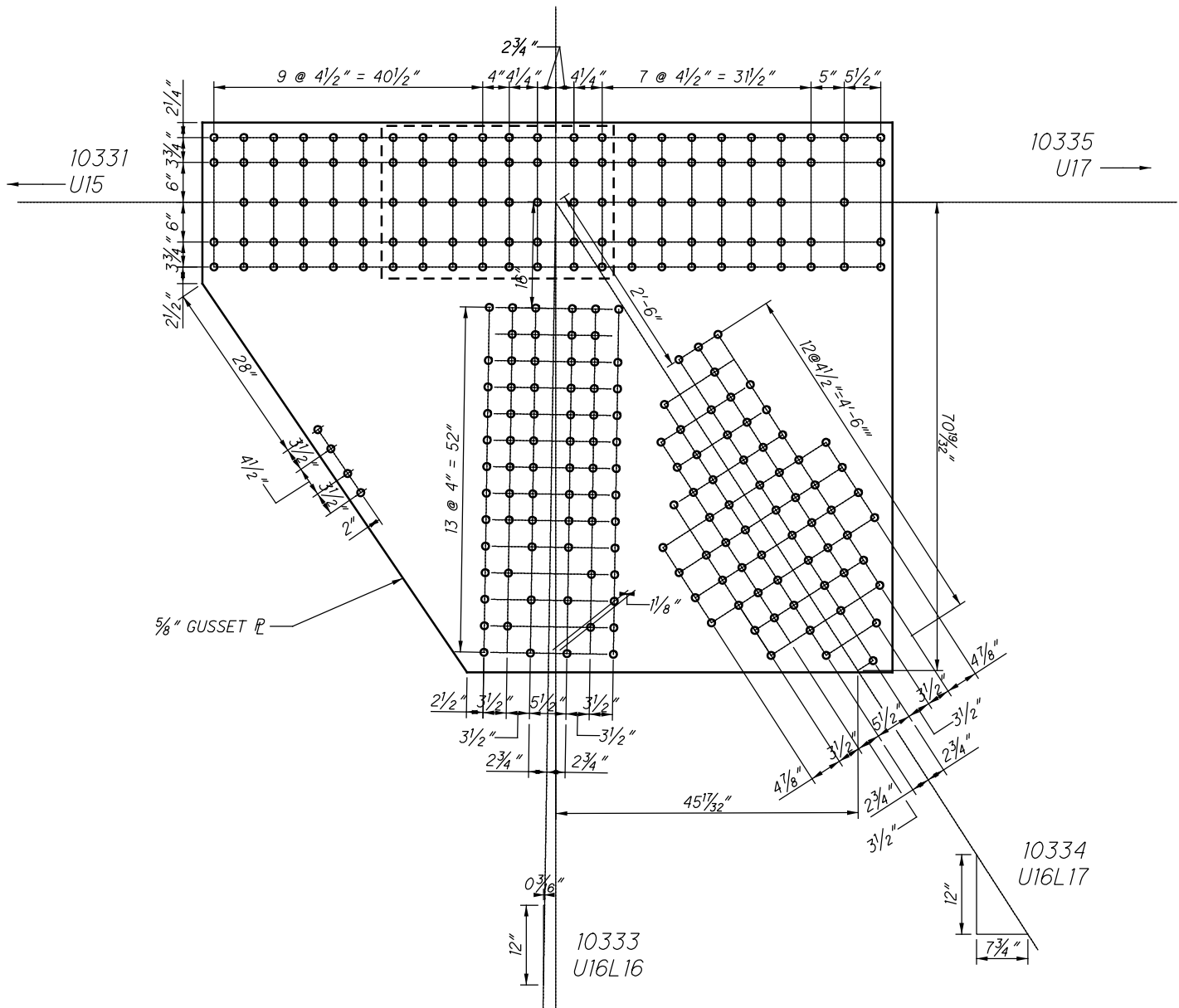
**U2 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**





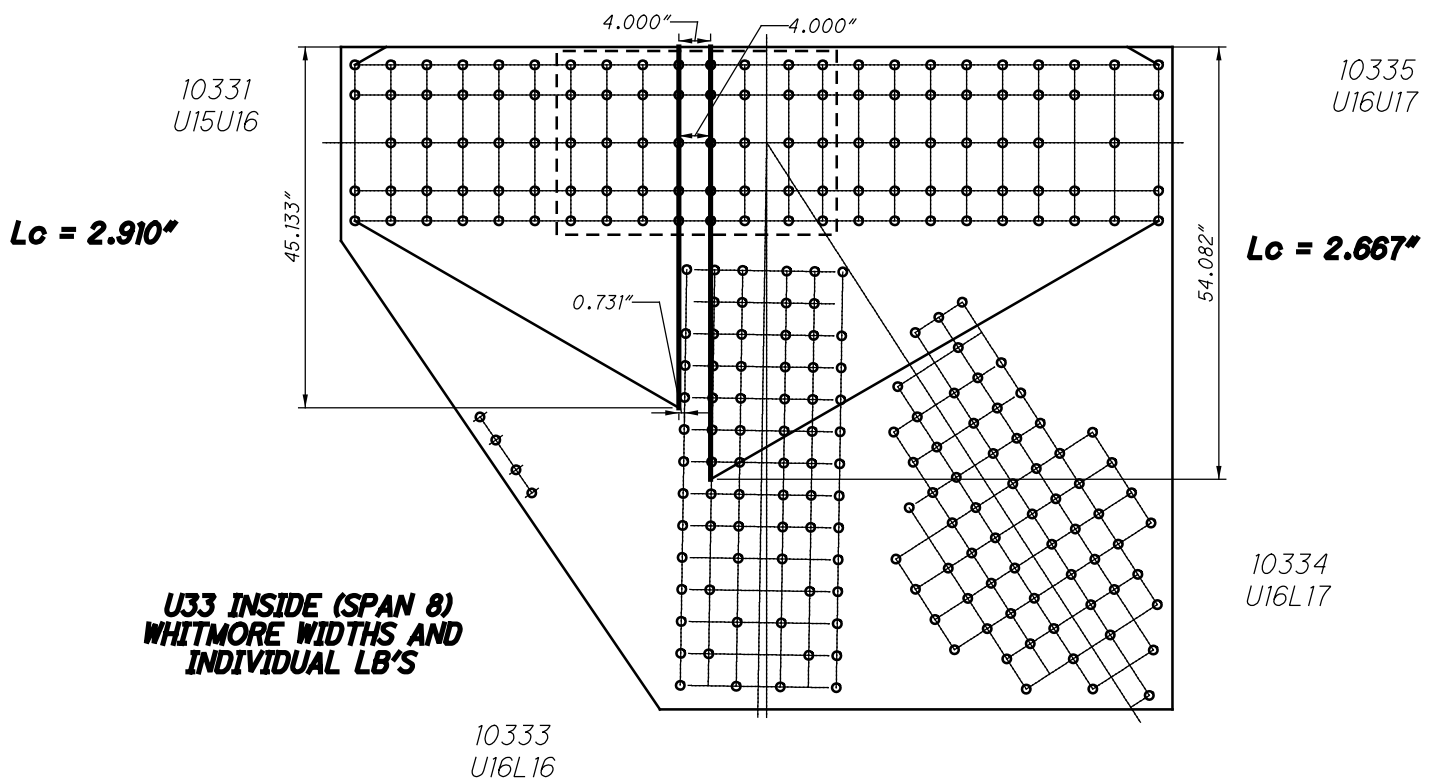
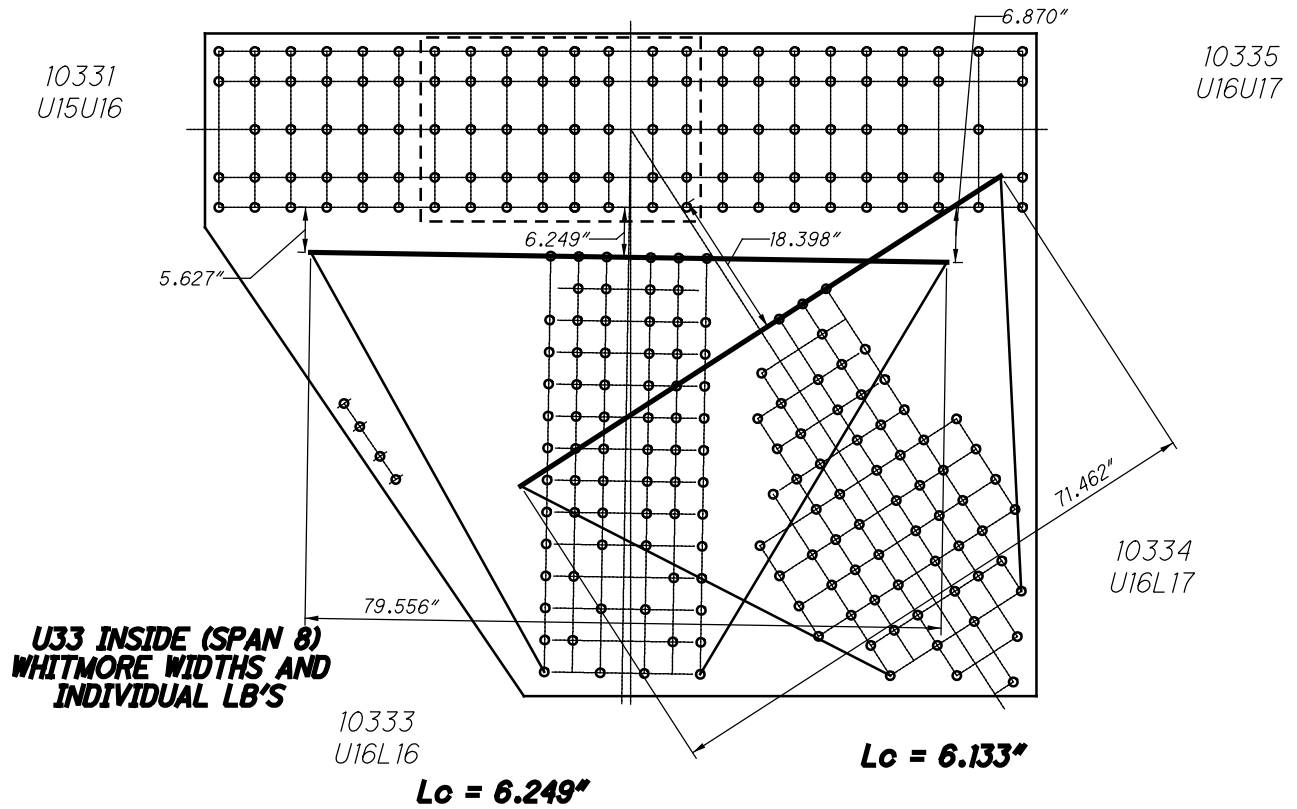


**U32 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U33 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**

**SPLICE PLATE
23" X 7/16" X 2'-11"**



21033 AND 31033

49 RIVETS
x 2 PLATES
=98 RIVETS

10331
U15U16

20 SPLICE P
x 2 PLATES
=40 RIVETS

61 RIVETS
x 2 PLATES
=122 RIVETS
10335
U16U17

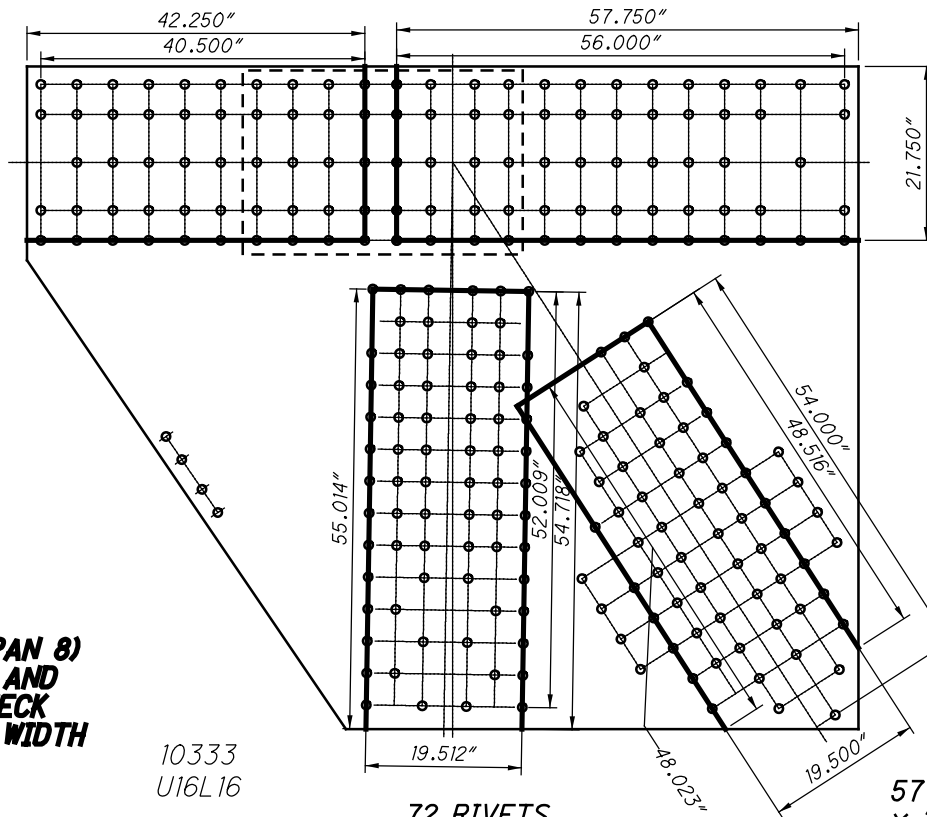
20 SPLICE P
x 2 PLATES
=40 RIVETS

**U33 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

10333
U16L16

72 RIVETS
x 2 PLATES
=144 RIVETS

57 RIVETS
x 2 PLATES
=114 RIVETS

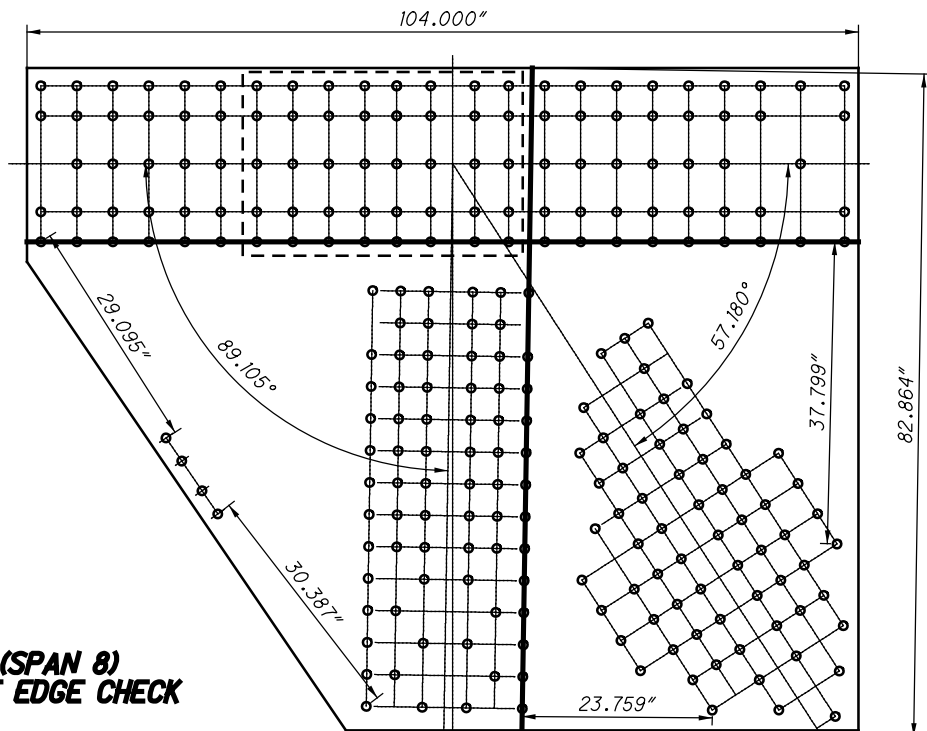


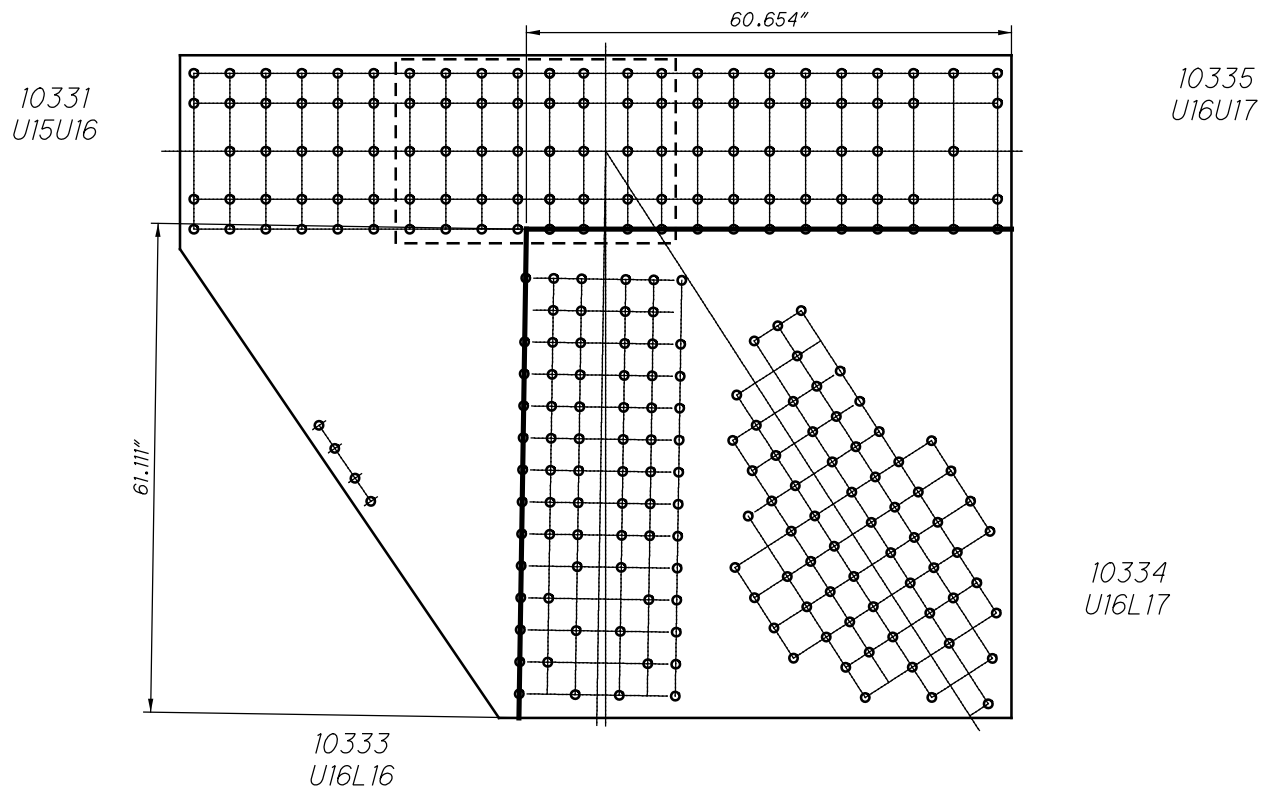
**U33 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**

10333
U16L16

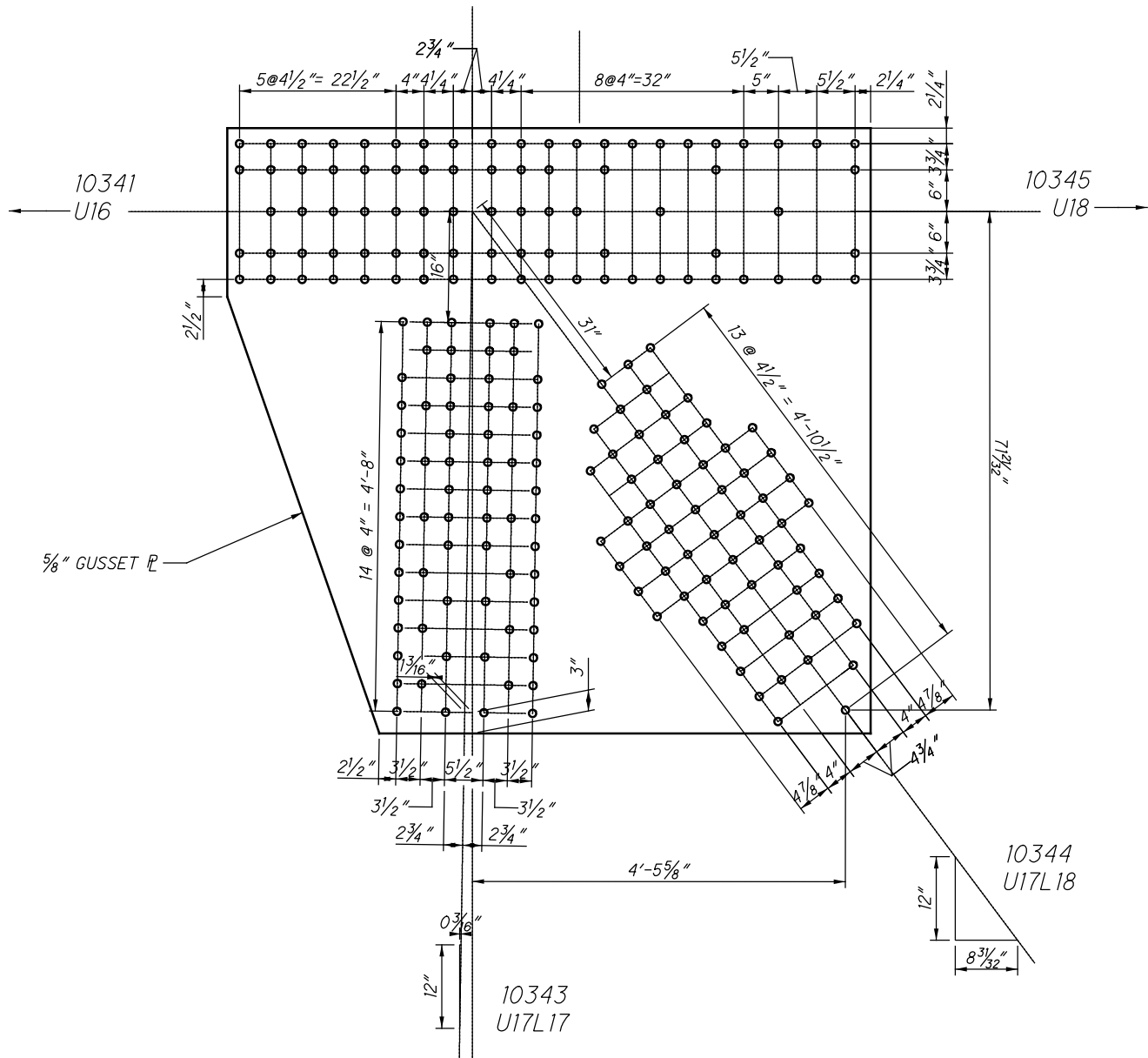
10335
U16U17

10334
U16L17

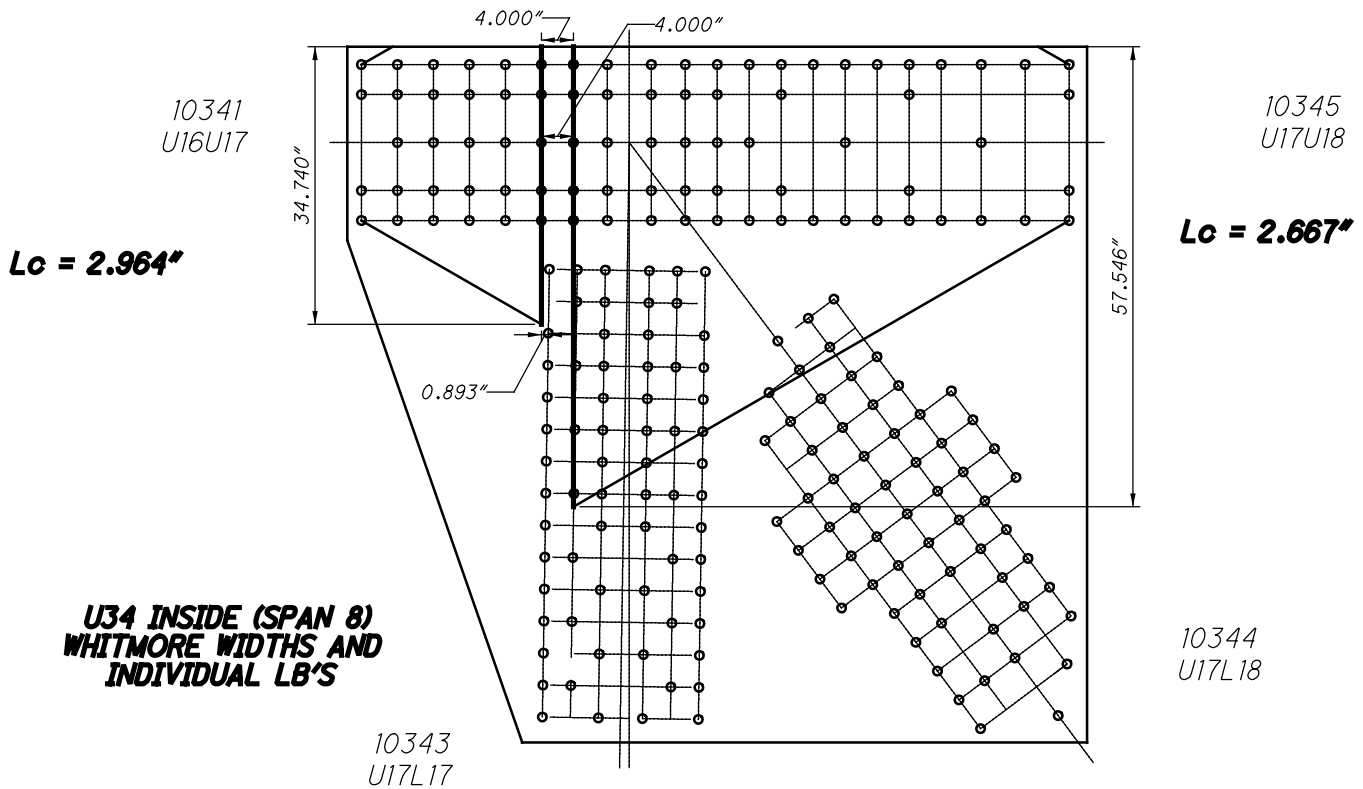
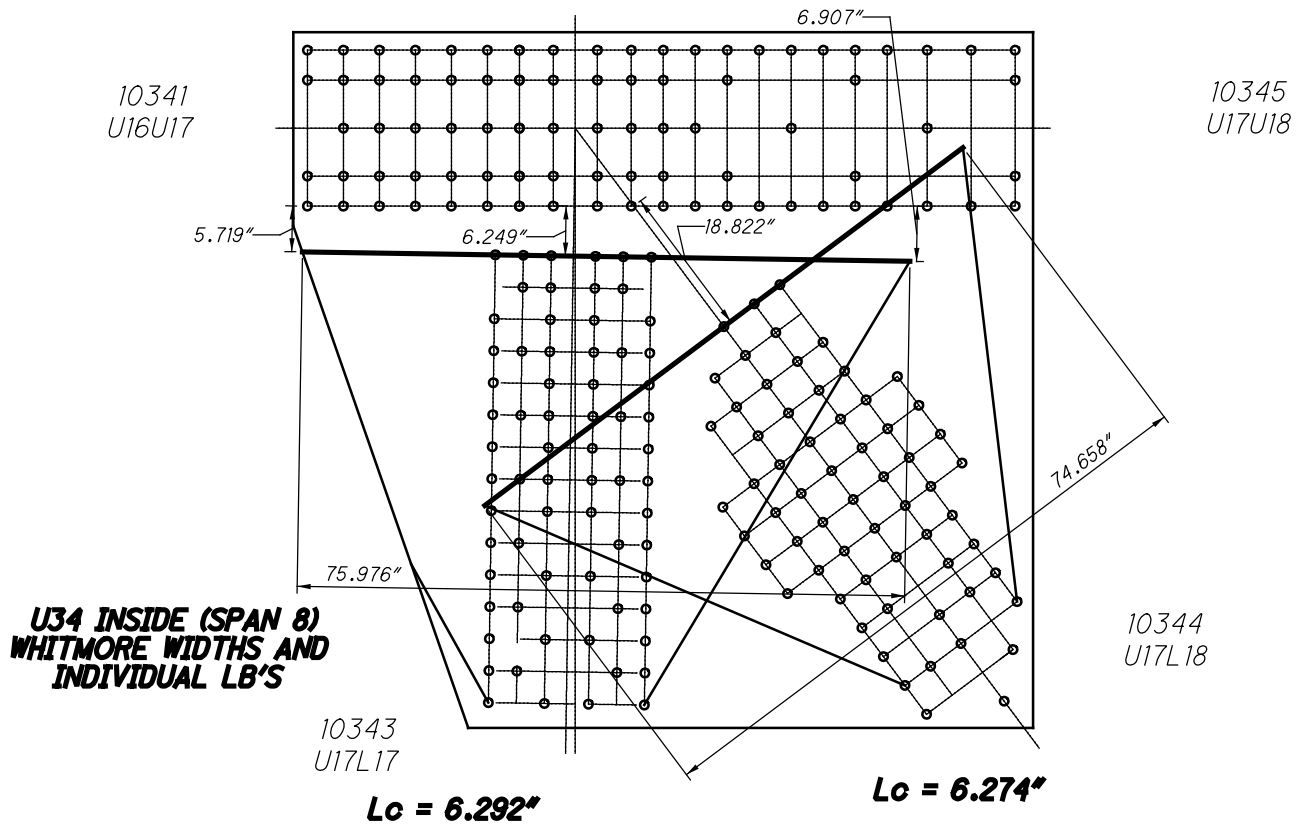




**U33 INSIDE (SPAN 8)
QUADRANT DIMENSIONS**



**U34 INSIDE (SPAN 8)
(NEAR AND FAR SIDE)**



21034 AND 31034

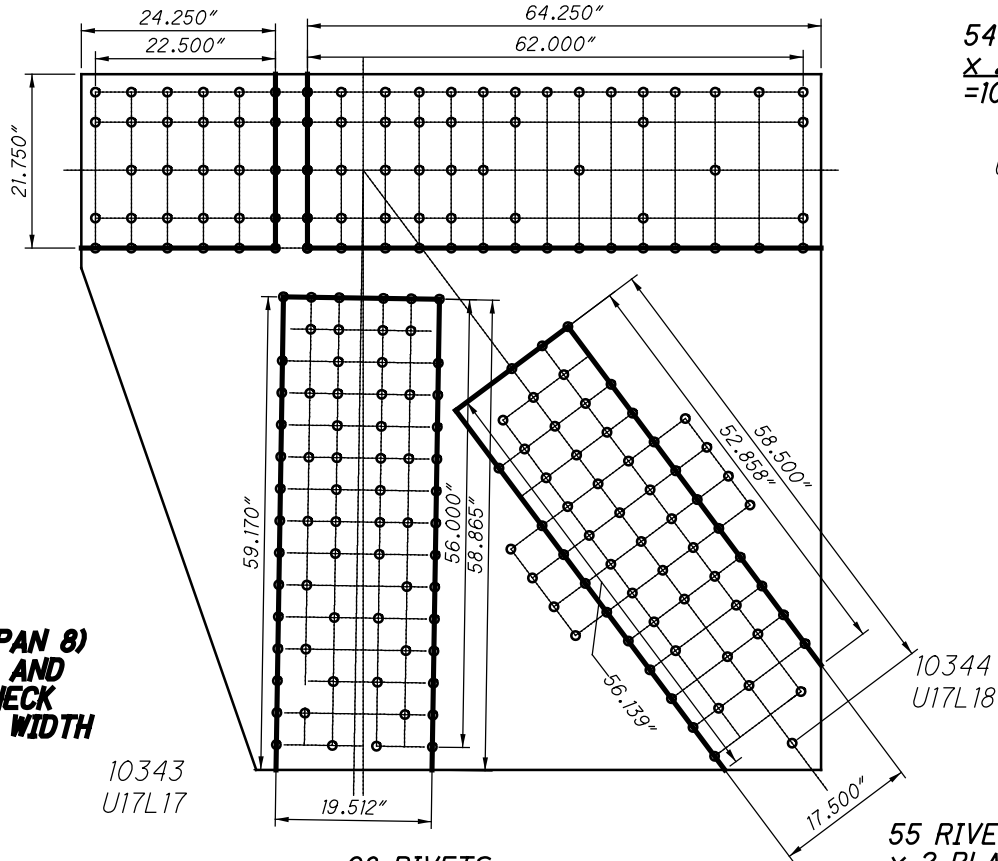
29 RIVETS
x 2 PLATES
=58 RIVETS

10341
U16U17

54 RIVETS
x 2 PLATES
=108 RIVETS

10345
U17U18

**U34 INSIDE (SPAN 8)
BLOCK SHEAR AND
FASTENER CHECK
GROSS TENSILE WIDTH**

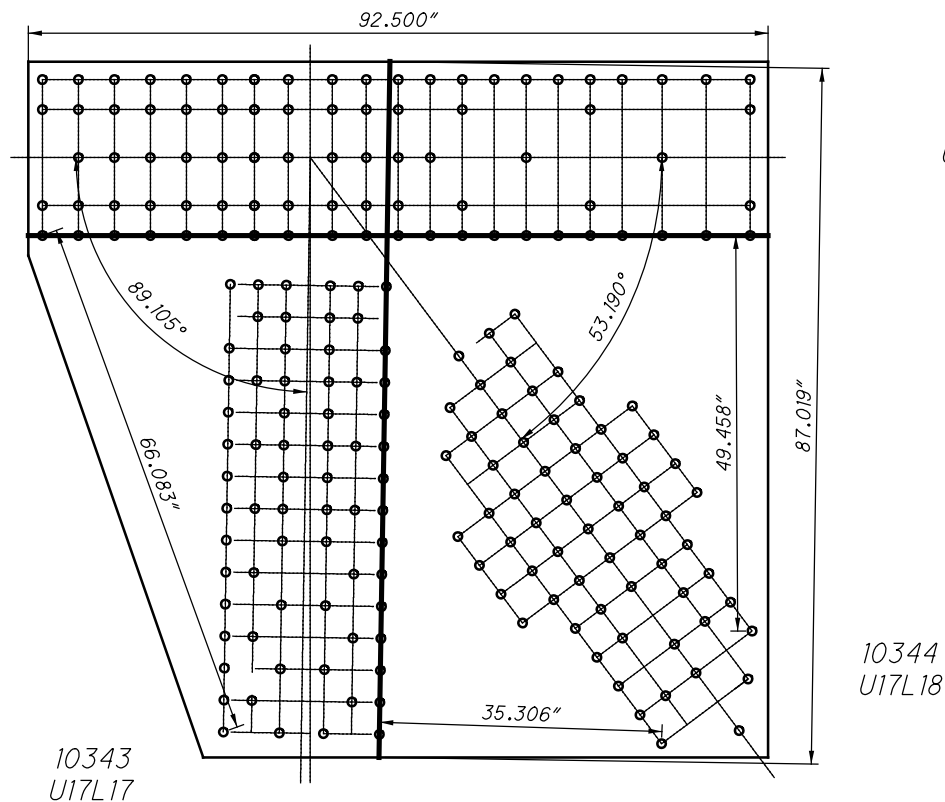


68 RIVETS
x 2 PLATES
=136 RIVETS

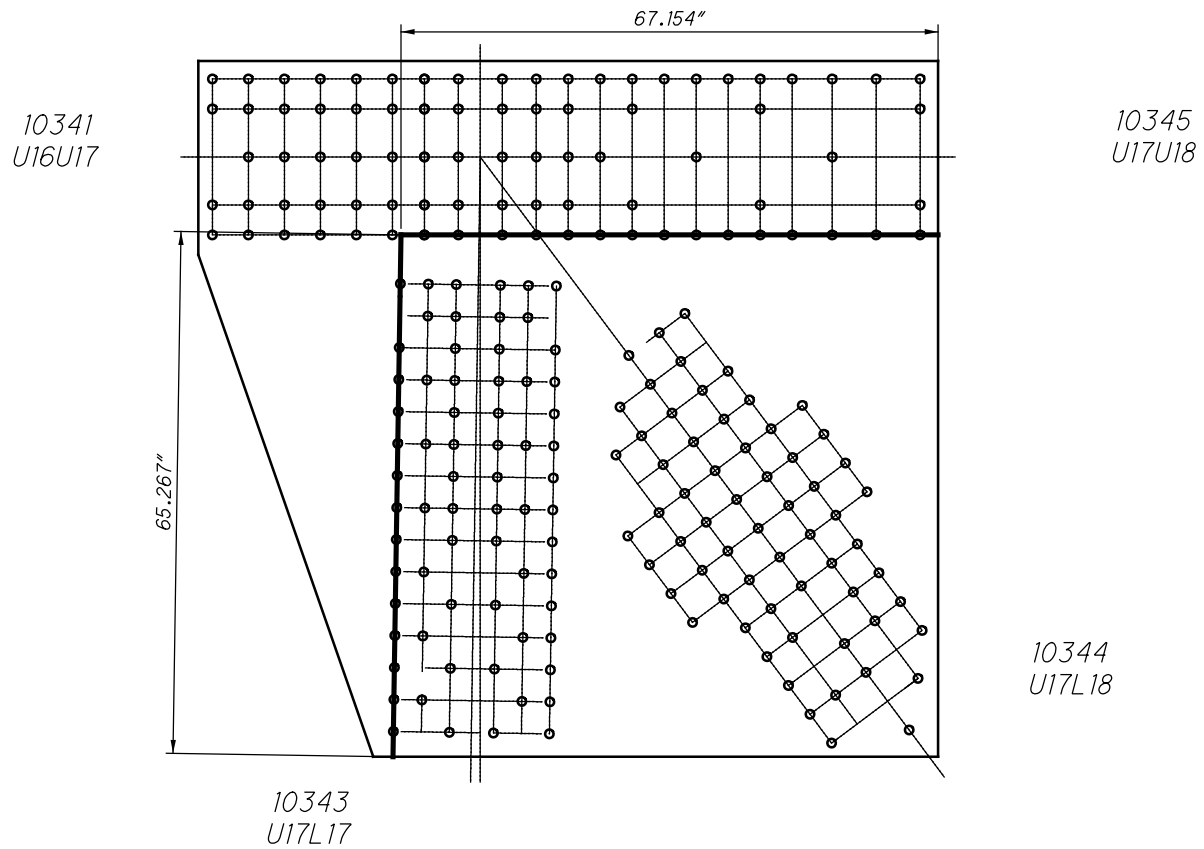
55 RIVETS
x 2 PLATES
=110 RIVETS

10341
U16U17

10345
U17U18



**U34 INSIDE (SPAN 8)
SHEAR AND FREE EDGE CHECK**



**SPAN 9 GUSSET PLATES
LORAIN CARNEGIE**

CHECKED:

DATE:

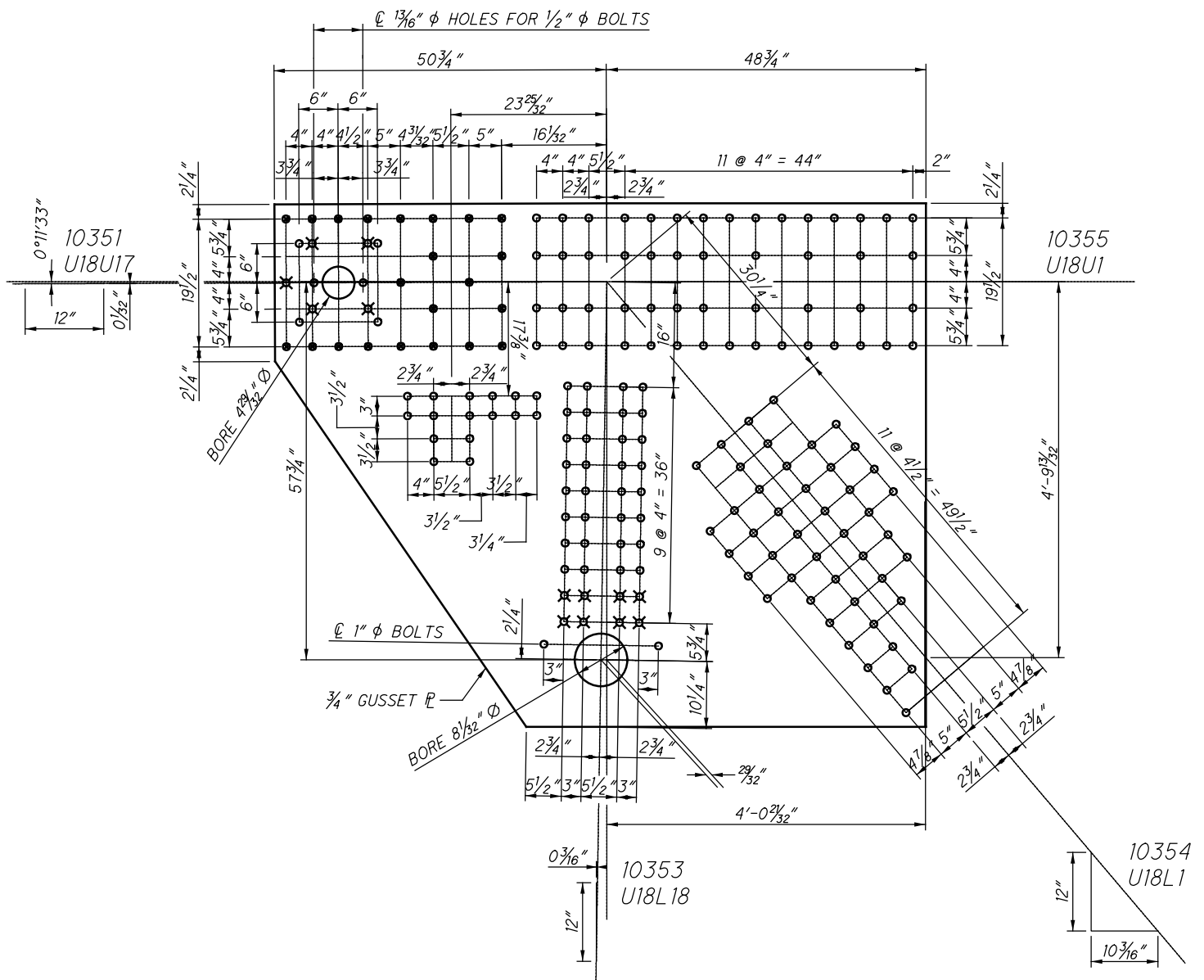
LEGEND

- $1 \frac{1}{16}$ " HOLES TYPICAL

NOTES:

ALL EDGE DISTANCES ARE $1 \frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

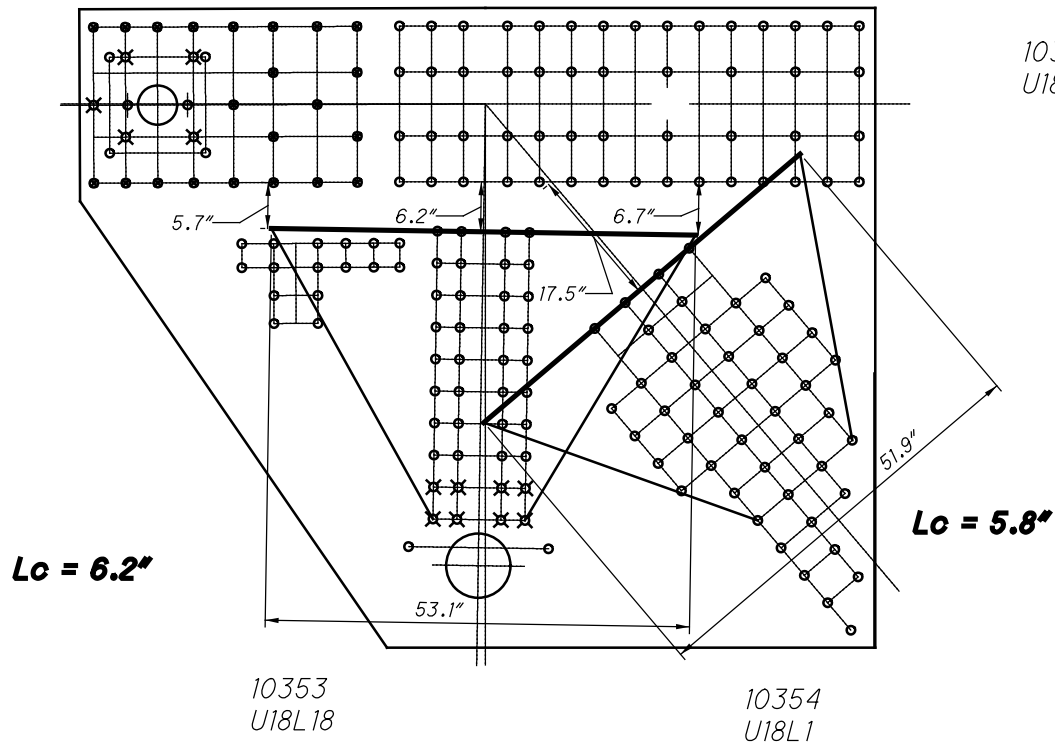
ALL GUSSET PLATES ARE COPPER
COPPER BEARING SILICON STEEL.



**U35 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

10351
U18U17

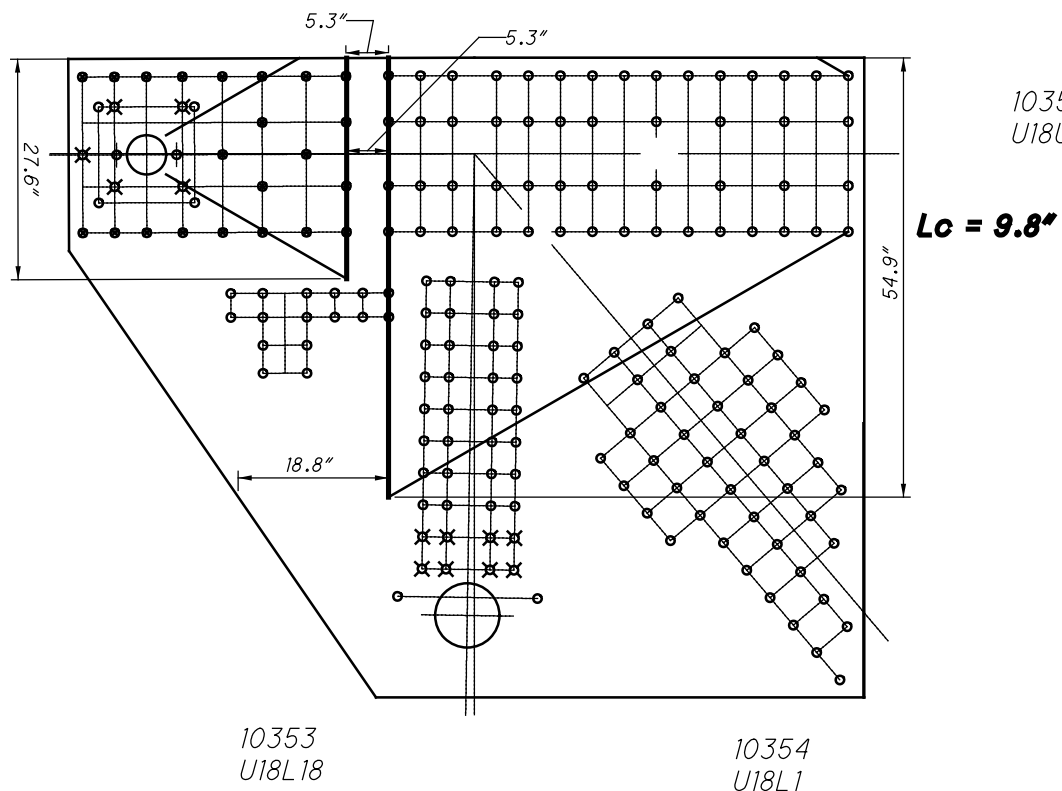
10355
U18U1



**U35 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10351
U18U17

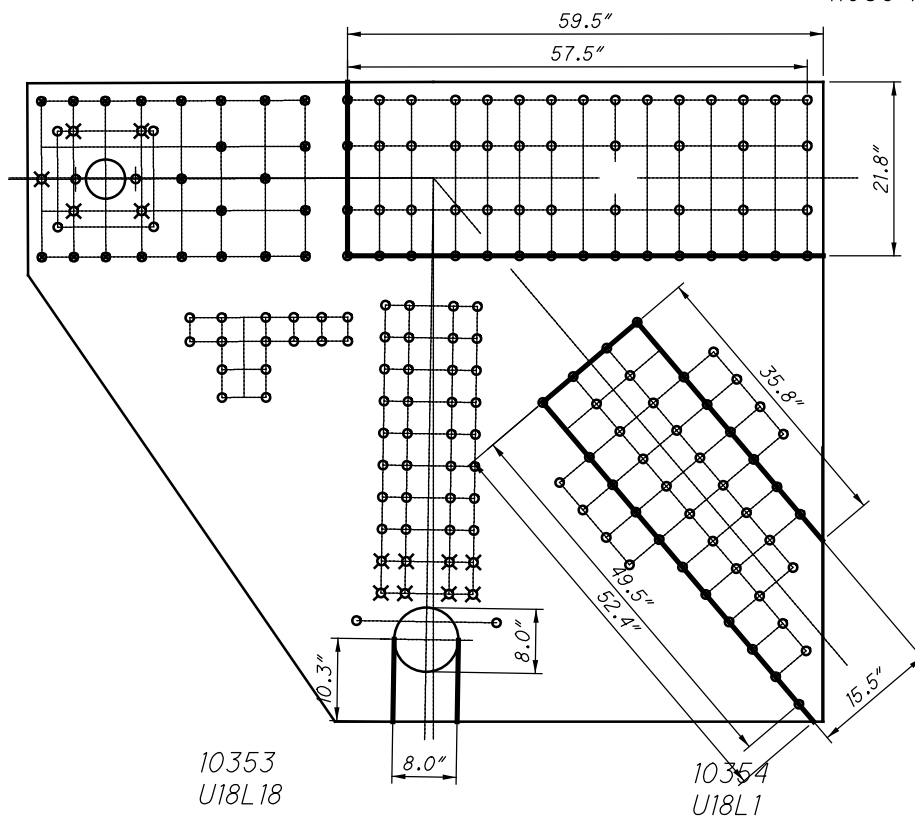
10355
U18U1



**U35 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10351
U18U17

11035 AND 41035

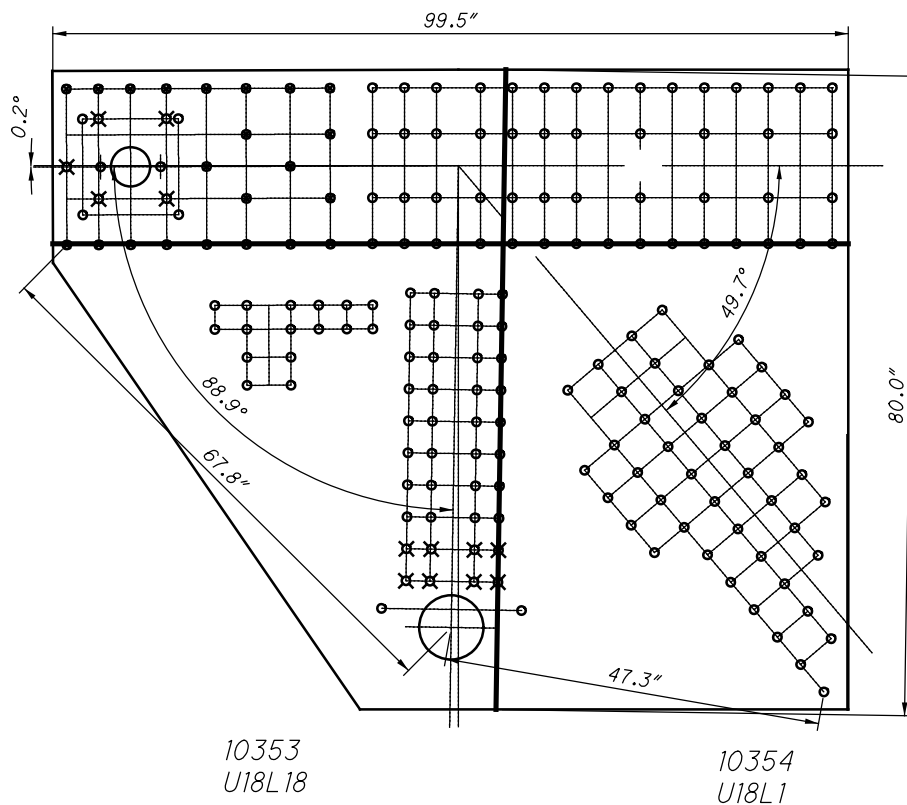


10355
U18U1
52 RIVETS
x 2 PLATES
=104 RIVETS

38 RIVETS
x 2 PLATES
=76 RIVETS

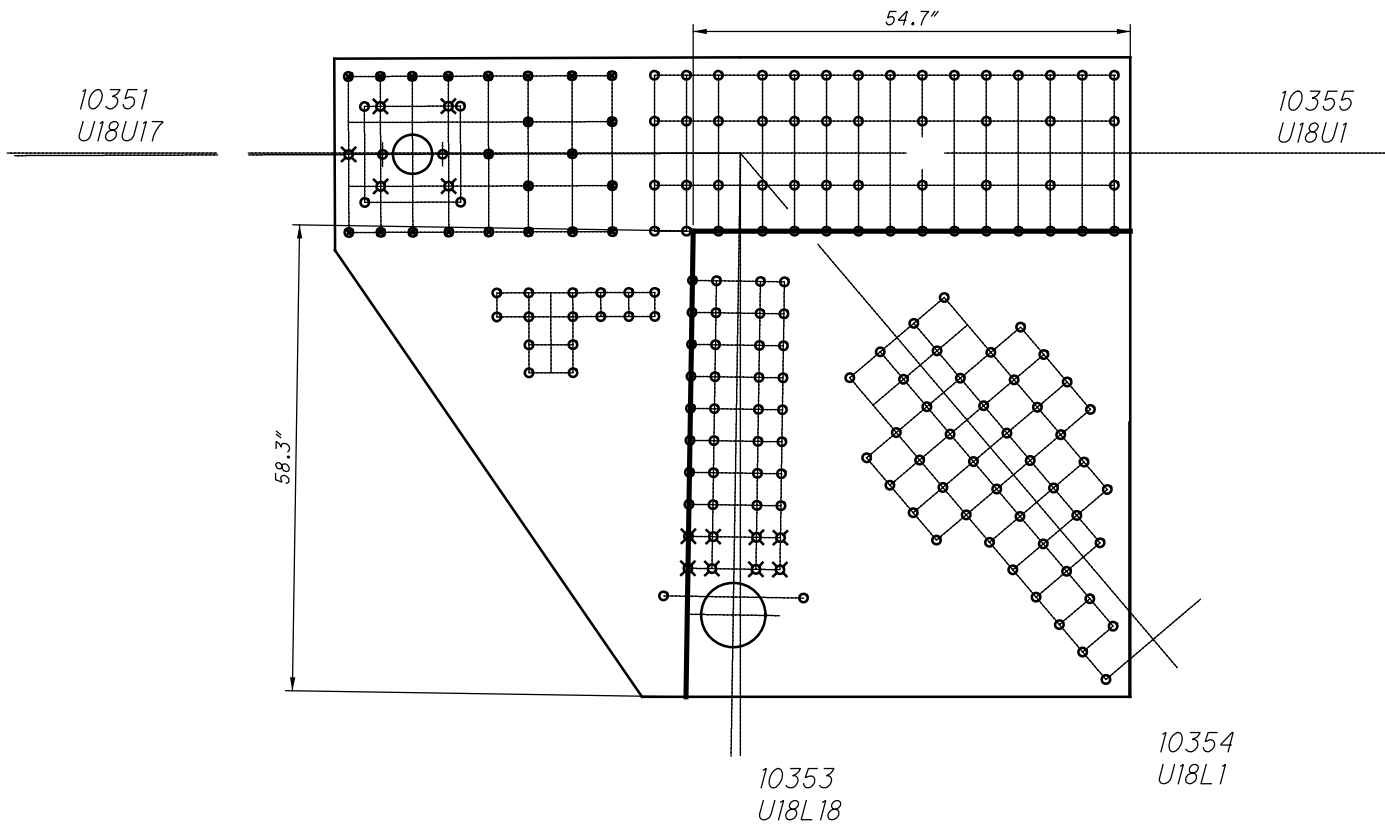
**U35 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10351
U18U17

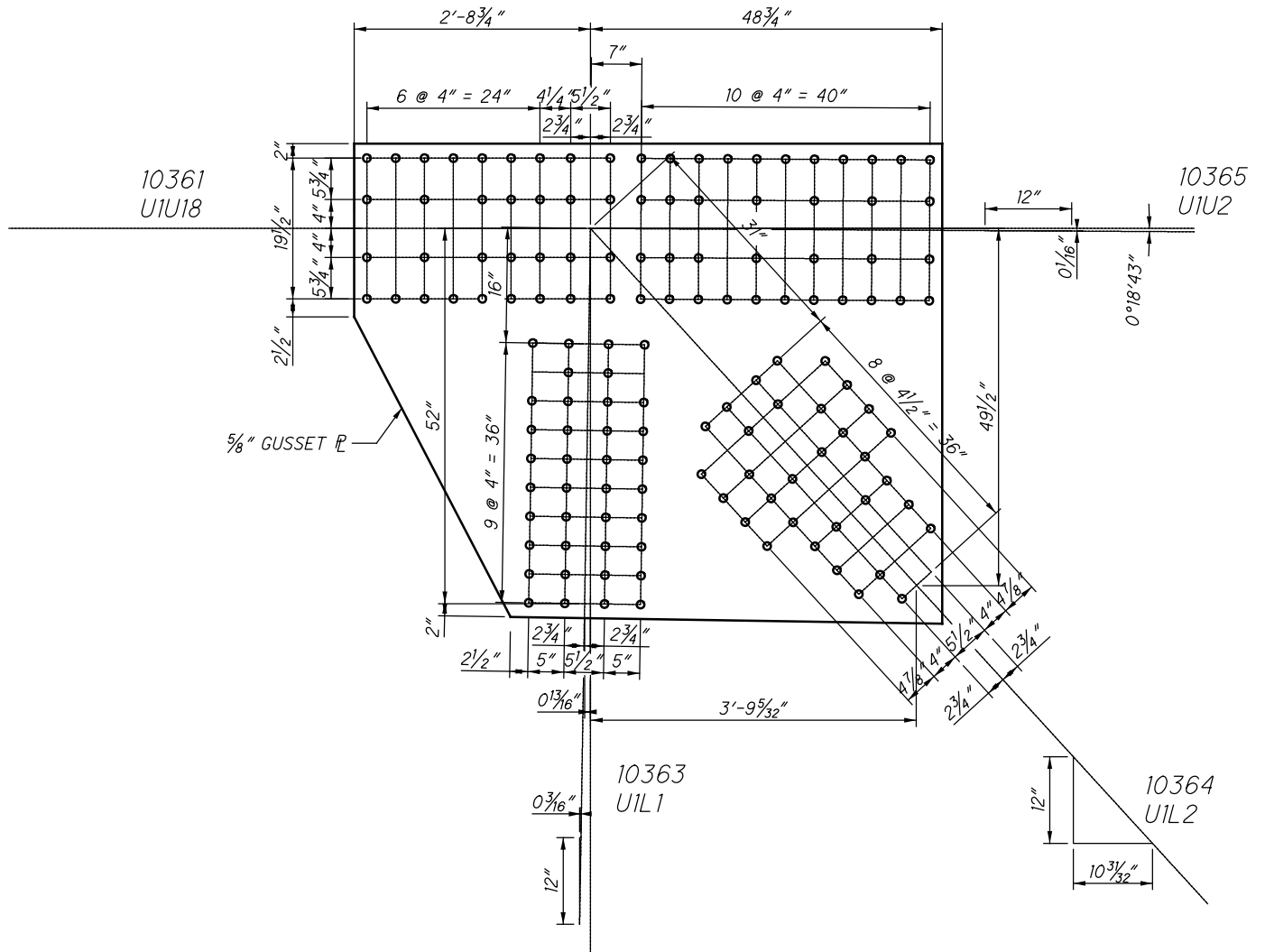


10355
U18U1

**U35 OUTSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



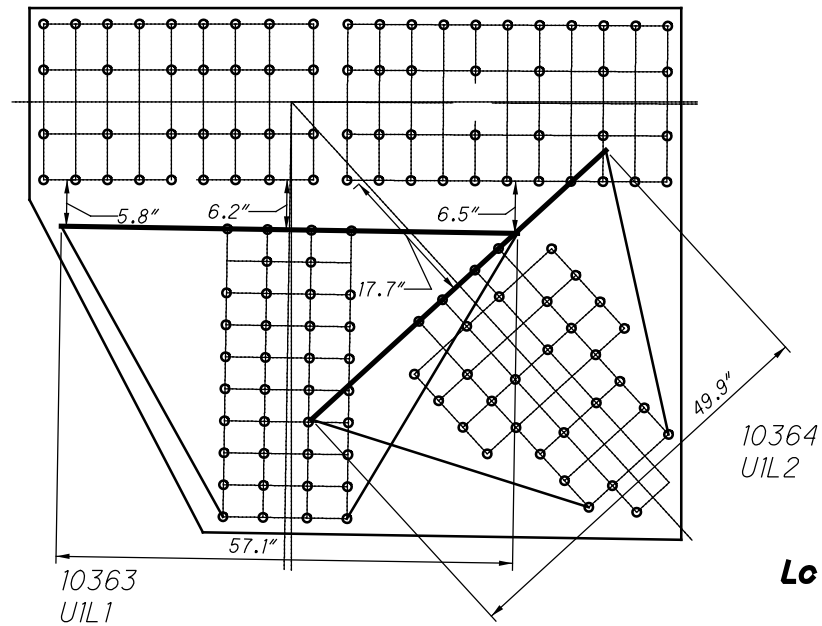
**U35 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**



**U36 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

10361
U1U18

10365
U1U2

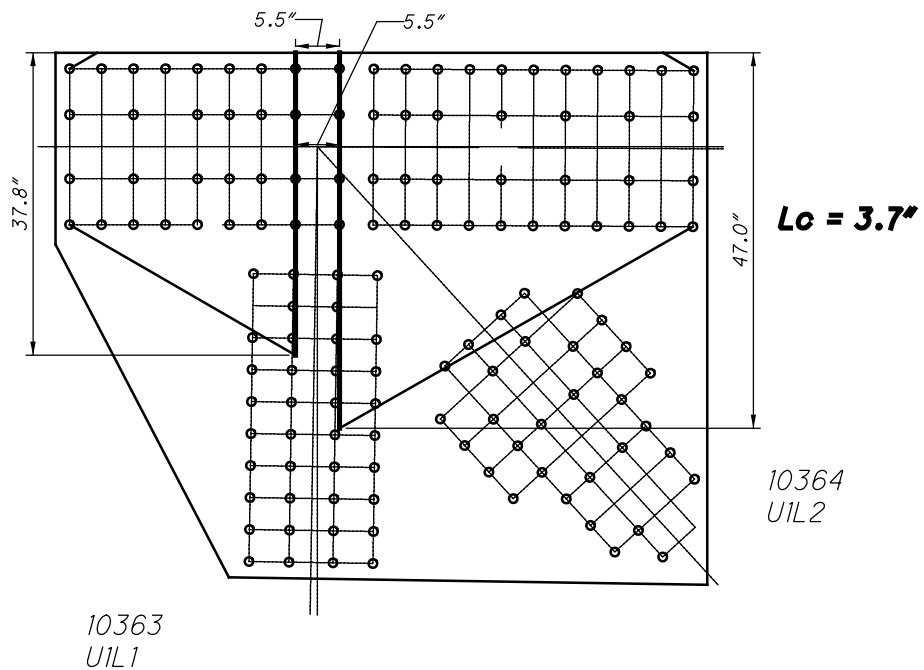


**U36 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10361
U1U18

10365
U1U2

$L_c = 3.7"$

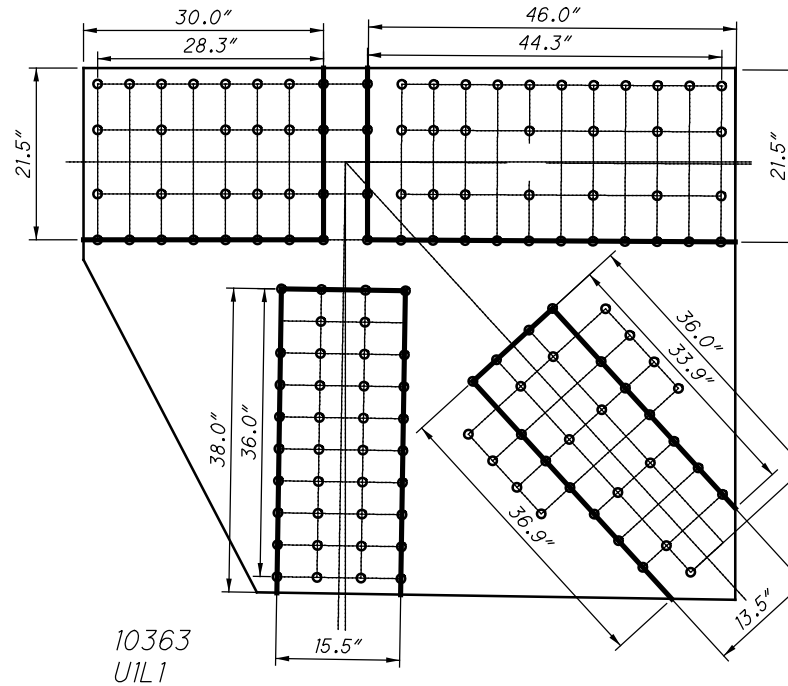


**U36 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11036 AND 41036

10361
U1U18

28 RIVETS
x 2 PLATES
=56 RIVETS



10365
U1U2

40 RIVETS
x 2 PLATES
=80 RIVETS

10364
U1L2

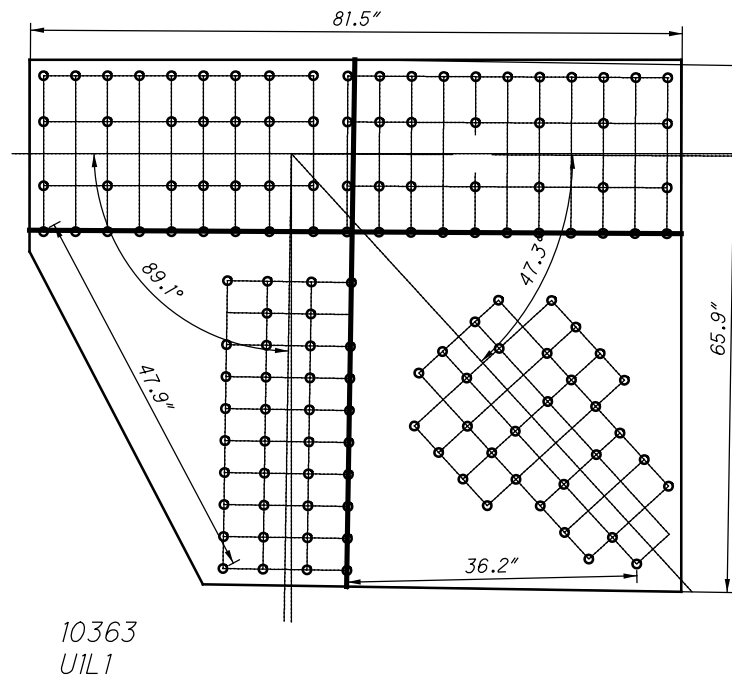
24 RIVETS
x 2 PLATES
=48 RIVETS

10363
U1L1

38 RIVETS
x 2 PLATES
=76 RIVETS

**U36 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10361
U1U18

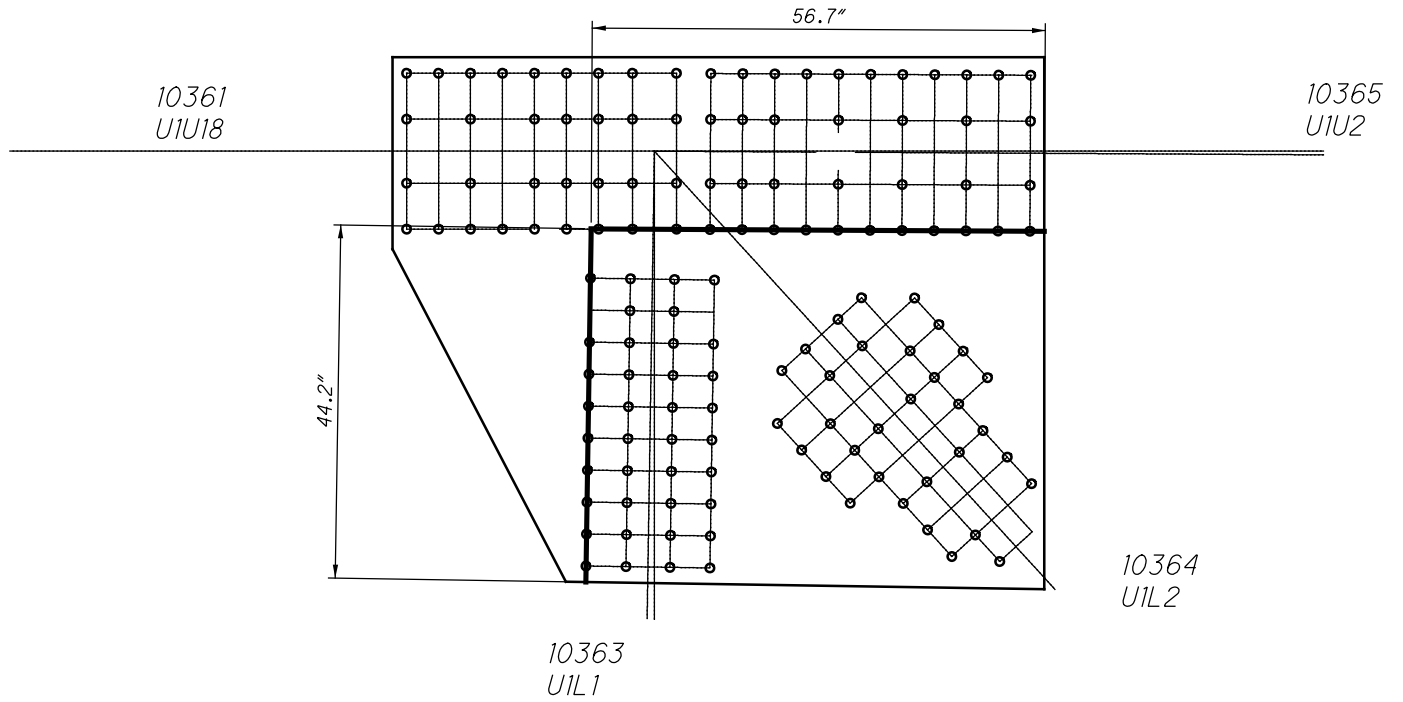


10365
U1U2

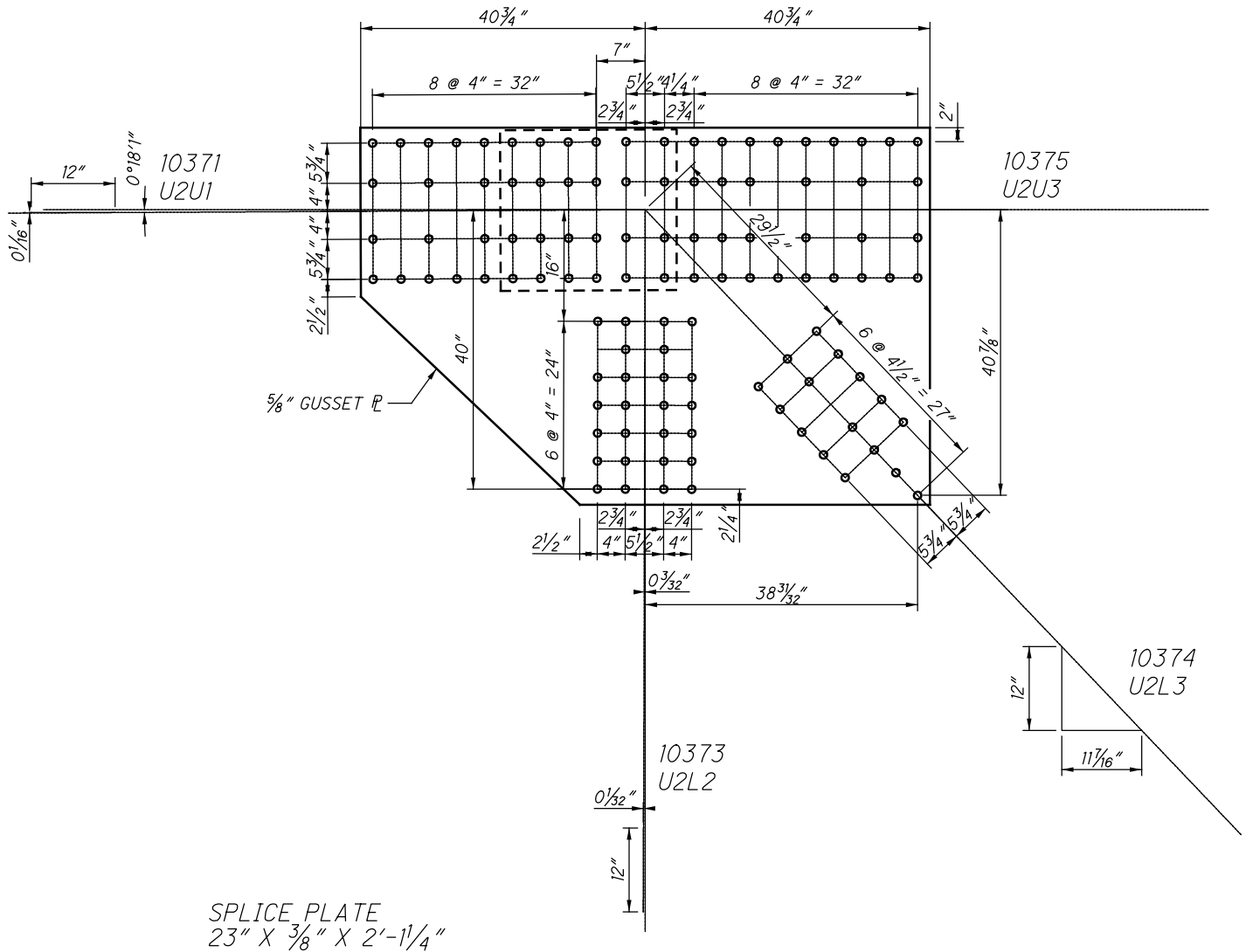
10364
U1L2

10363
U1L1

**U36 OUTSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



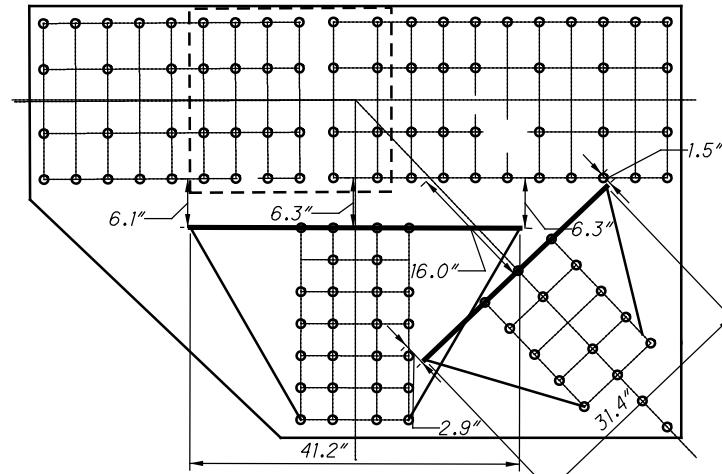
**U36 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**



**U37 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

10371
U2U1

10375
U2U3



10374
U2L3

10373
U2L2

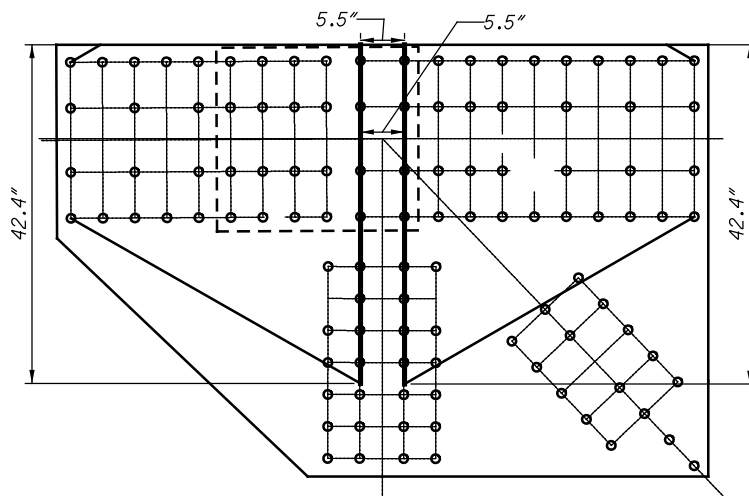
$L_c = 6.8"$

$L_c = 6.2"$

**U37 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10371
U2U1

10375
U2U3



$L_c = 3.7"$

$L_c = 3.7"$

10373
U2L2

10374
U2L3

**U37 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

36 RIVETS
x 2 PLATES
=72 RIVETS

10371
U2U1

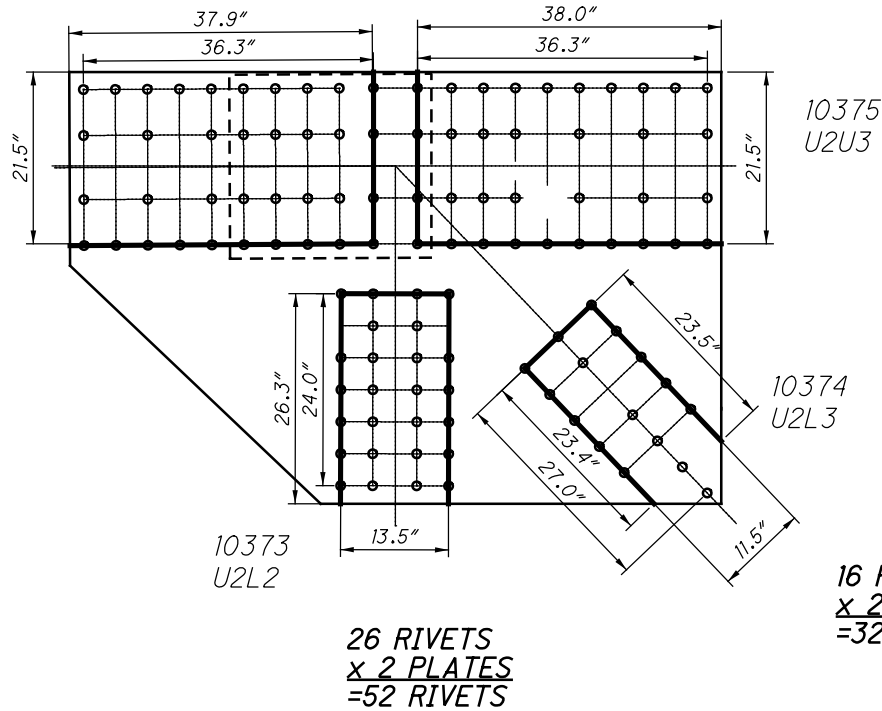
20 SPLICE P
x 2 PLATES
=40 RIVETS

11037 AND 41037

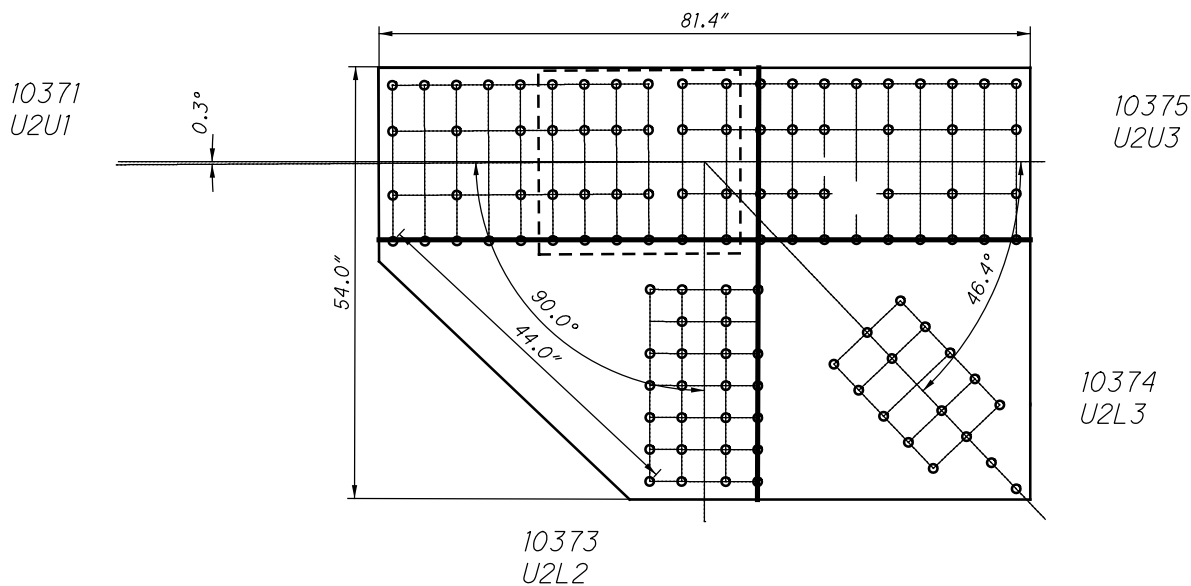
34 RIVETS
x 2 PLATES
=68 RIVETS

10375
U2U3

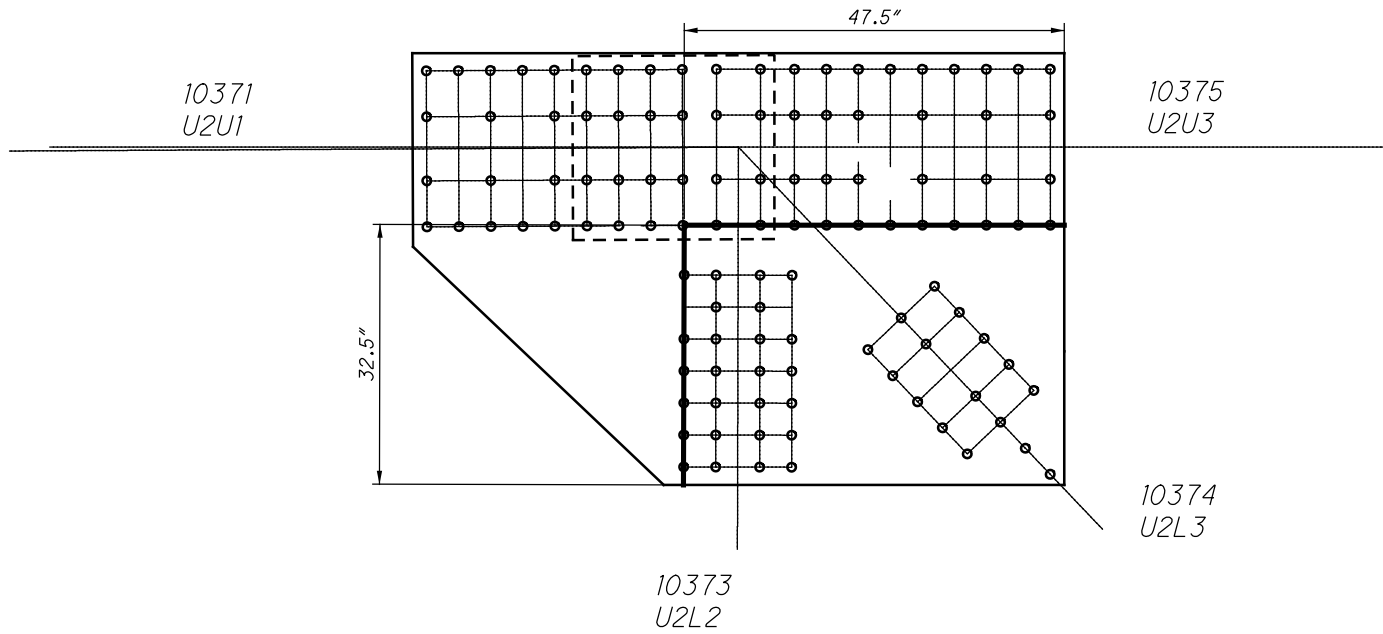
4 SPLICE P
x 2 PLATES
=8 RIVETS



**U37 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U37 OUTSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



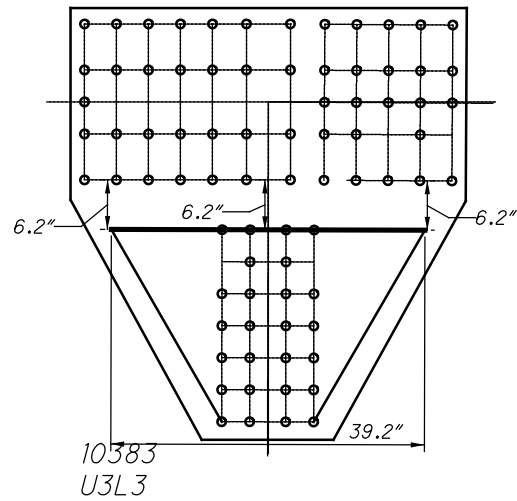
**U37 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**



**U38 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

10381
U3U2

10385
U3U4



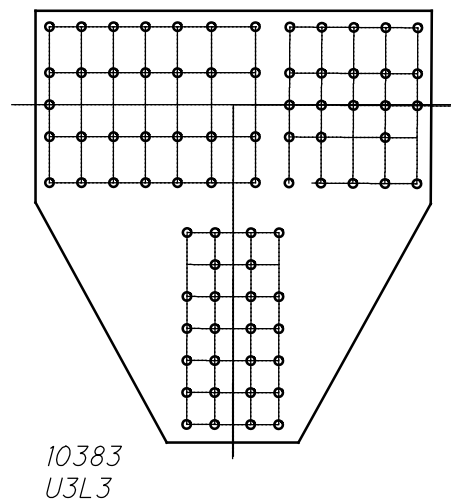
$$L_c = 6.2''$$

**U38 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD CONTINUOUS

10381
U3U2

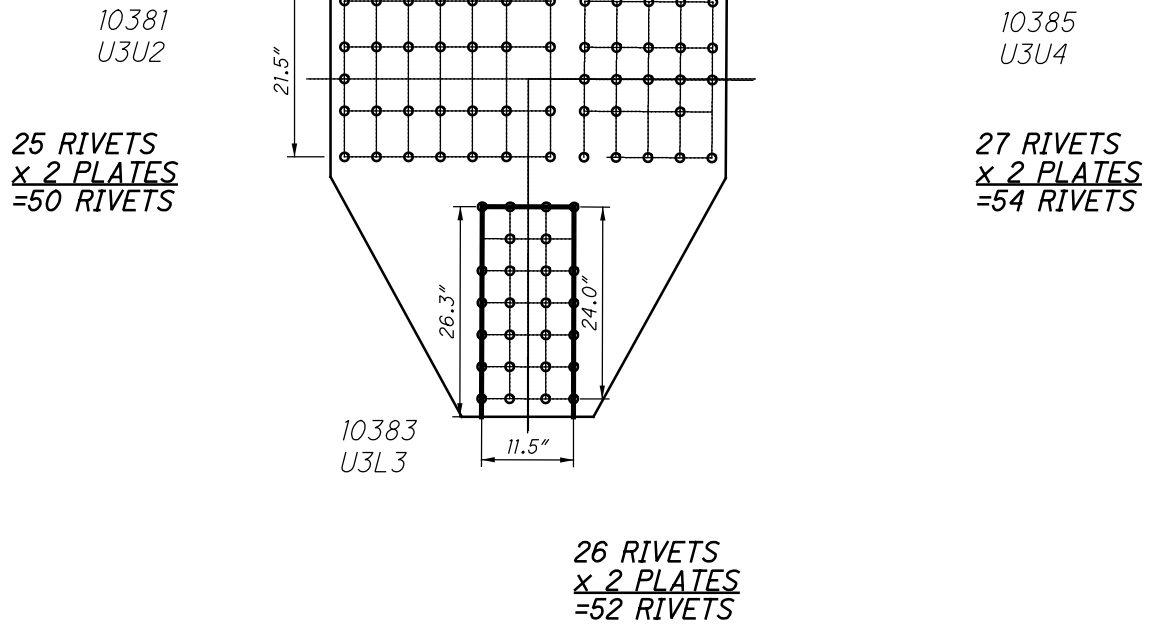
10385
U3U4



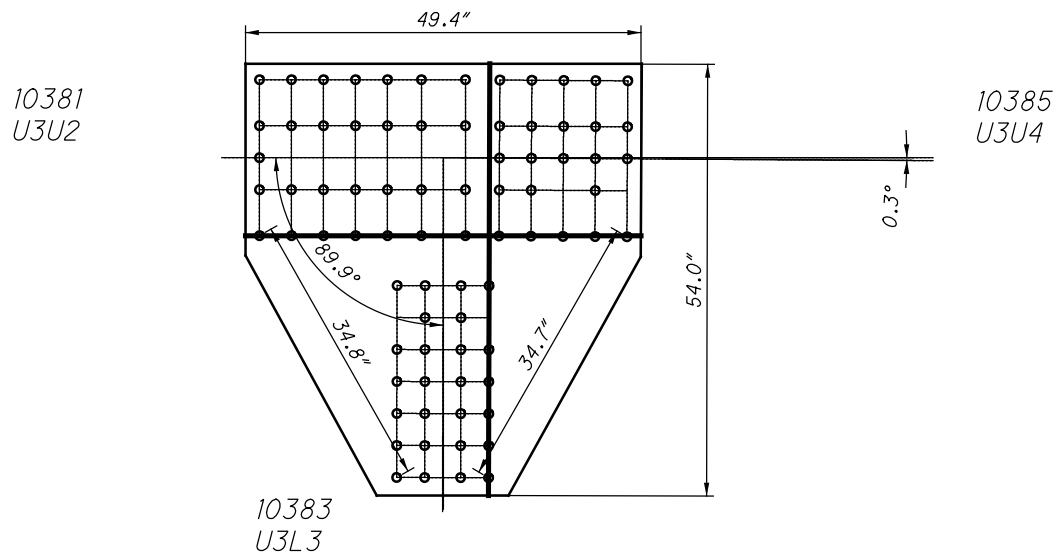
**U38 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD CONTINUOUS

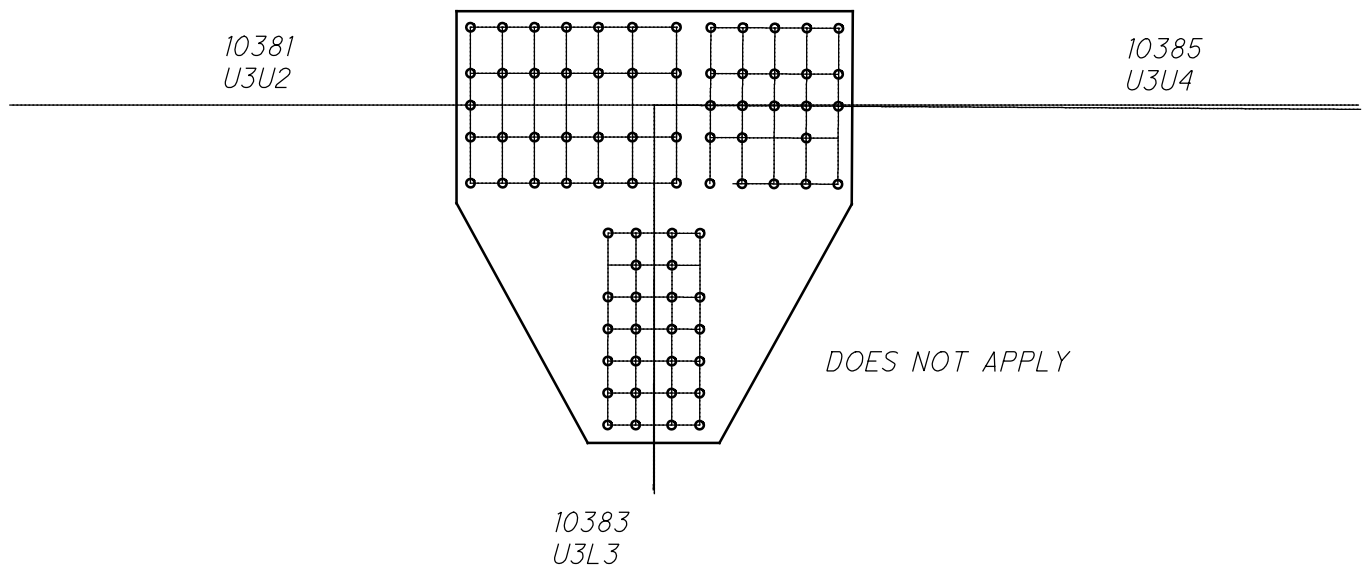
11038 AND 41038



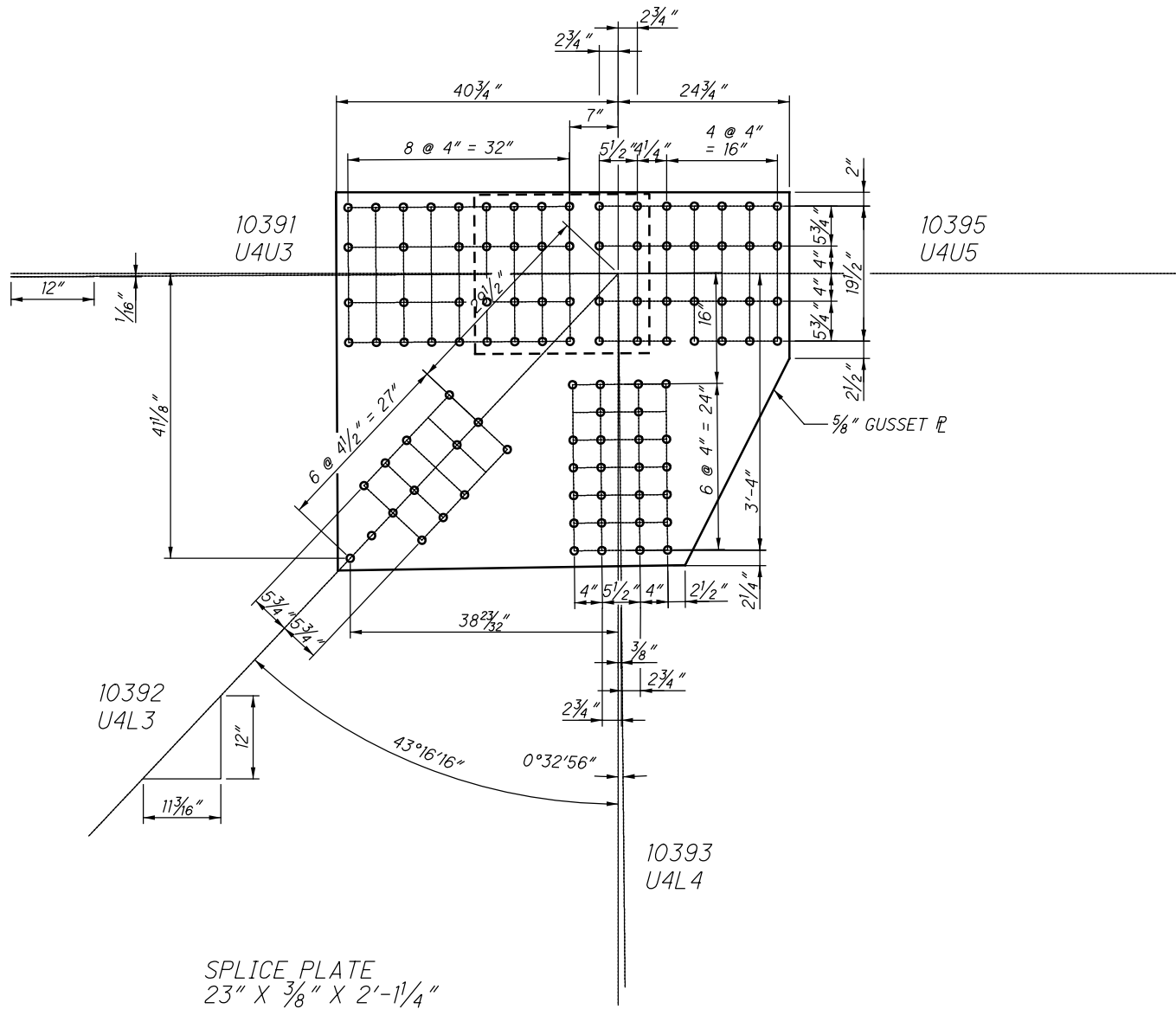
U38 OUTSIDE (SPAN 9) BLOCK SHEAR AND FASTENER CHECK GROSS TENSILE WIDTH



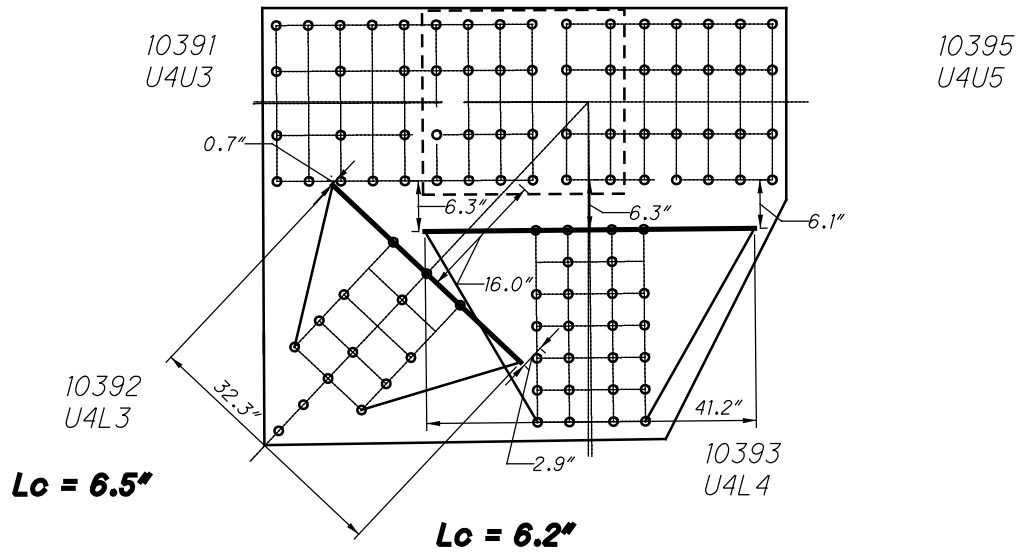
U38 OUTSIDE (SPAN 9) SHEAR AND FREE EDGE CHECK



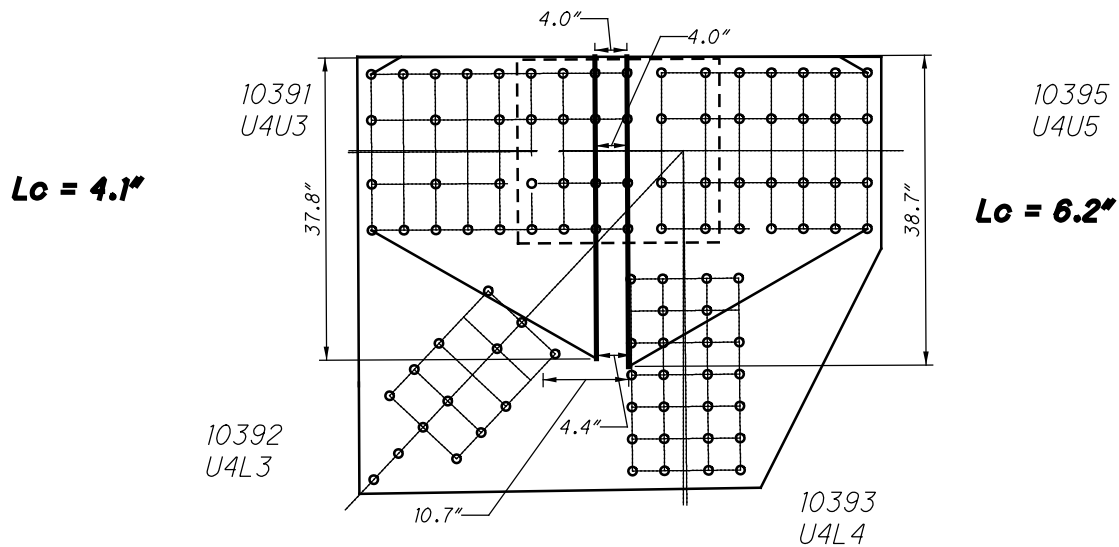
**U38 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**



**U39 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**



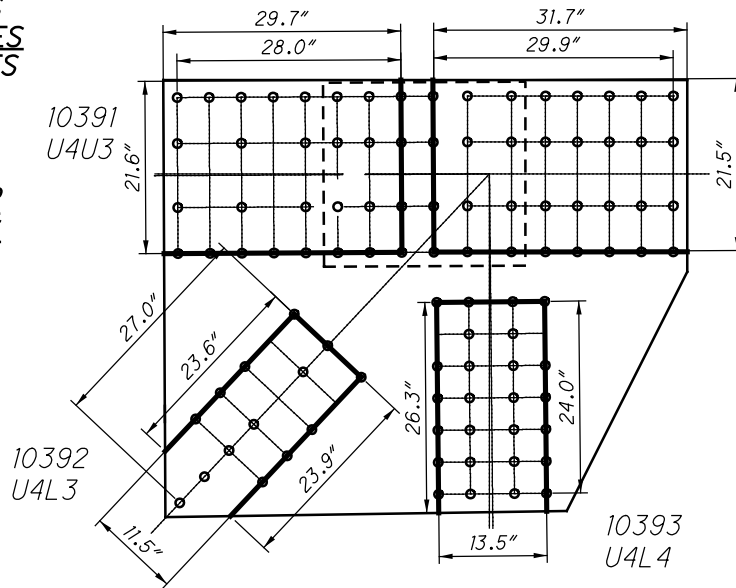
**U39 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U39 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

28 RIVETS
x 2 PLATES
=56 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS



14 RIVETS
x 2 PLATES
=28 RIVETS

26 RIVETS
x 2 PLATES
=52 RIVETS

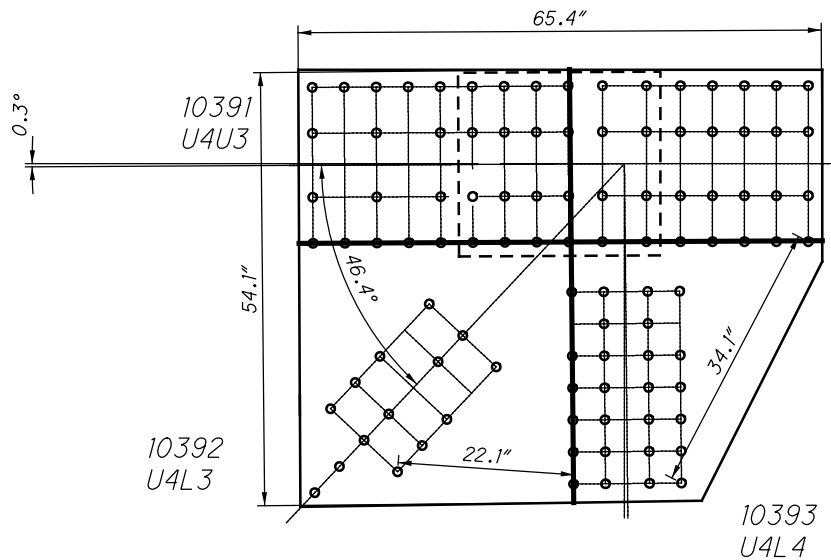
11039 AND 41039

10395
U4U5

32 RIVETS
x 2 PLATES
=64 RIVETS

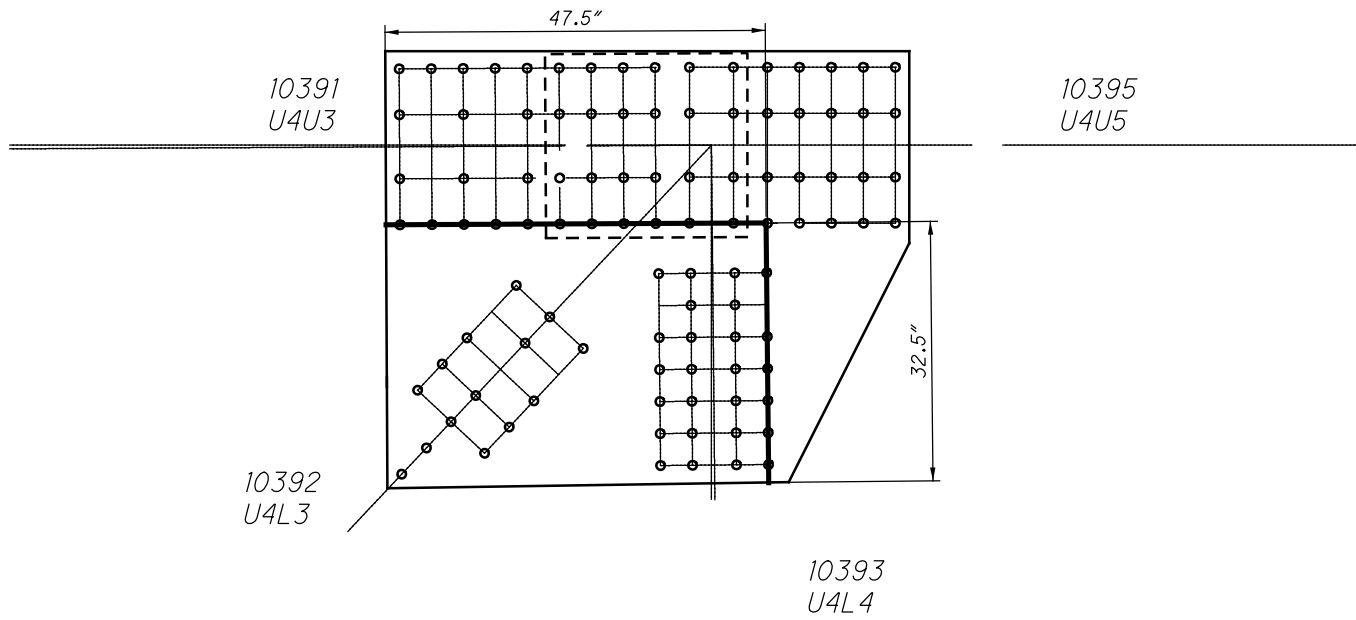
12 SPLICE P
x 2 PLATES
=24 RIVETS

**U39 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

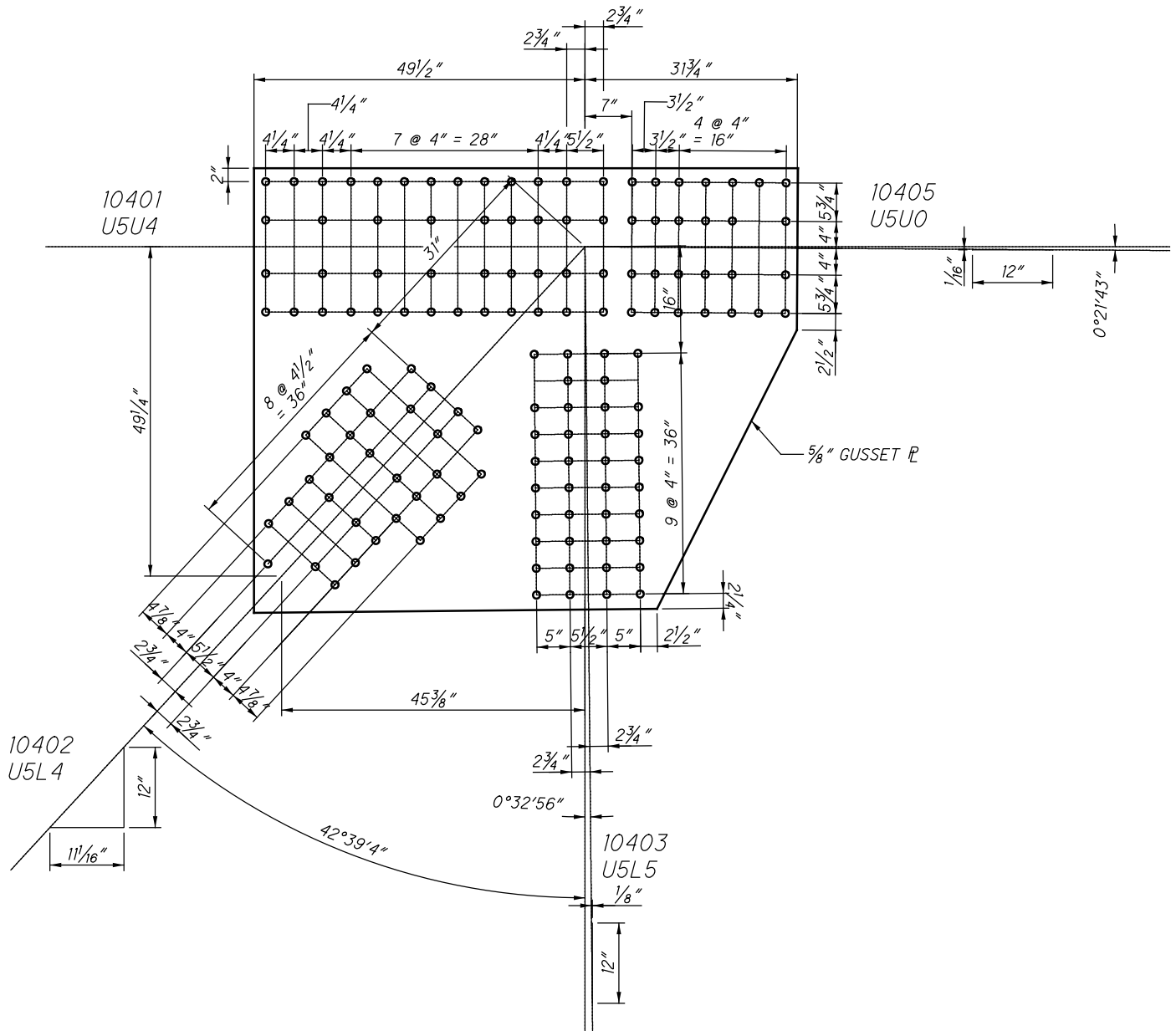


10395
U4U5

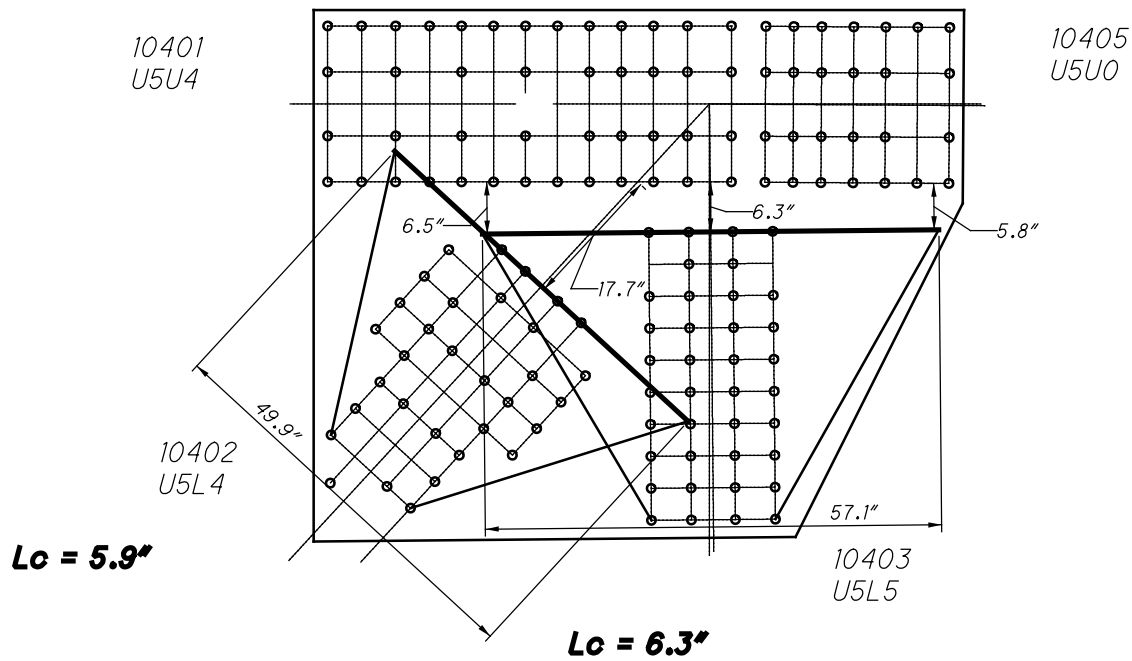
**U39 OUTSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



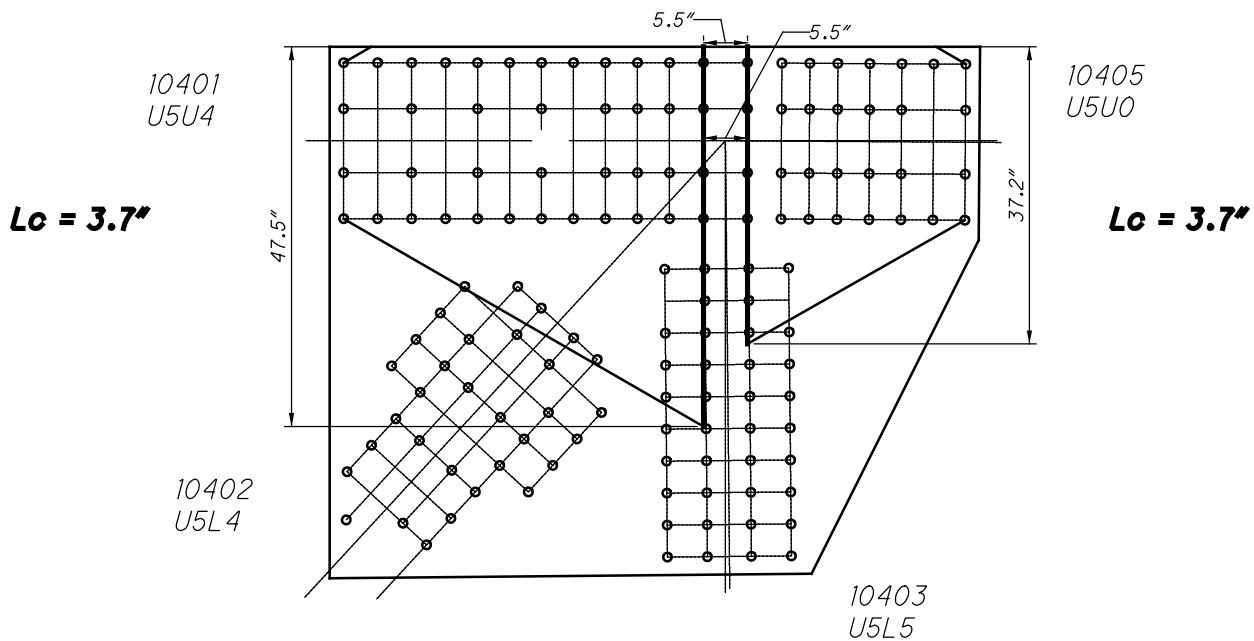
**U39 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**



**U40 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**



**U40 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

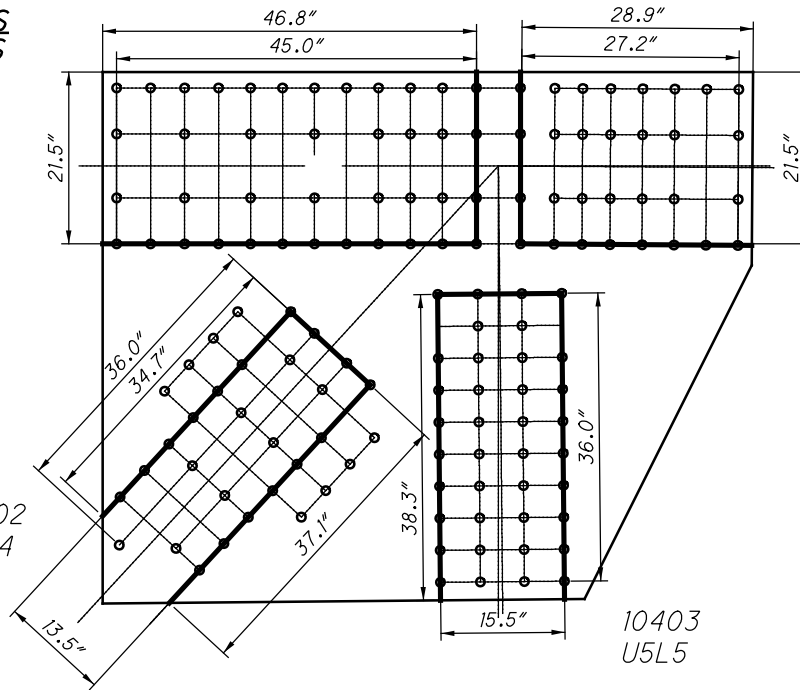


**U40 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

40 RIVETS
x 2 PLATES
=80 RIVETS

11040 AND 41040

10401
U5U4



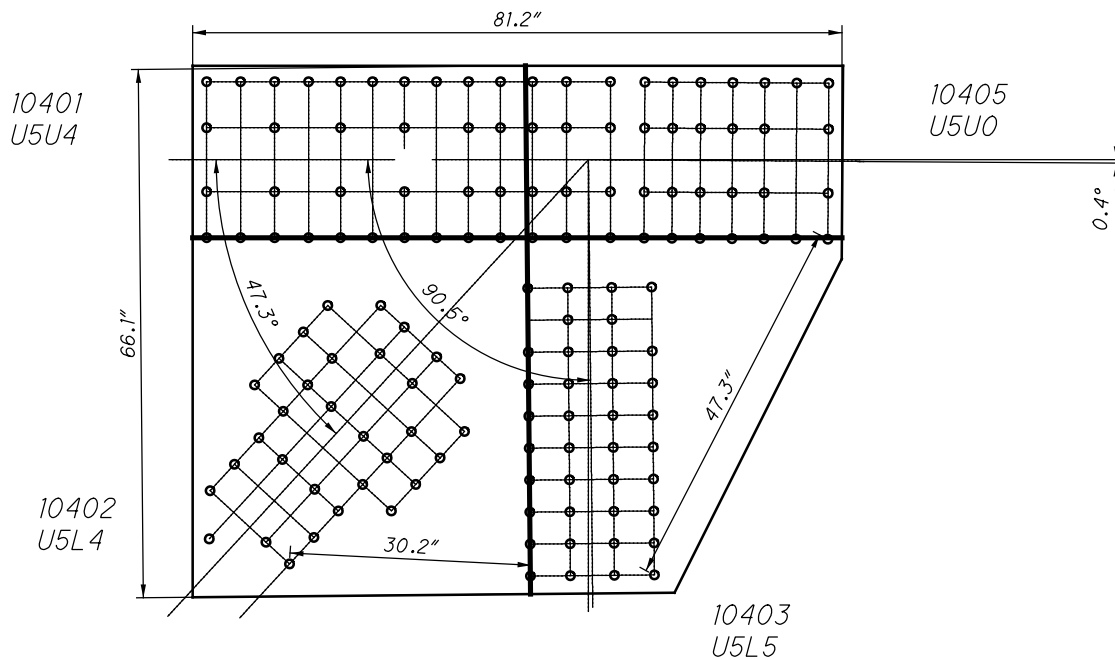
10405
U5U0

30 RIVETS
x 2 PLATES
=60 RIVETS

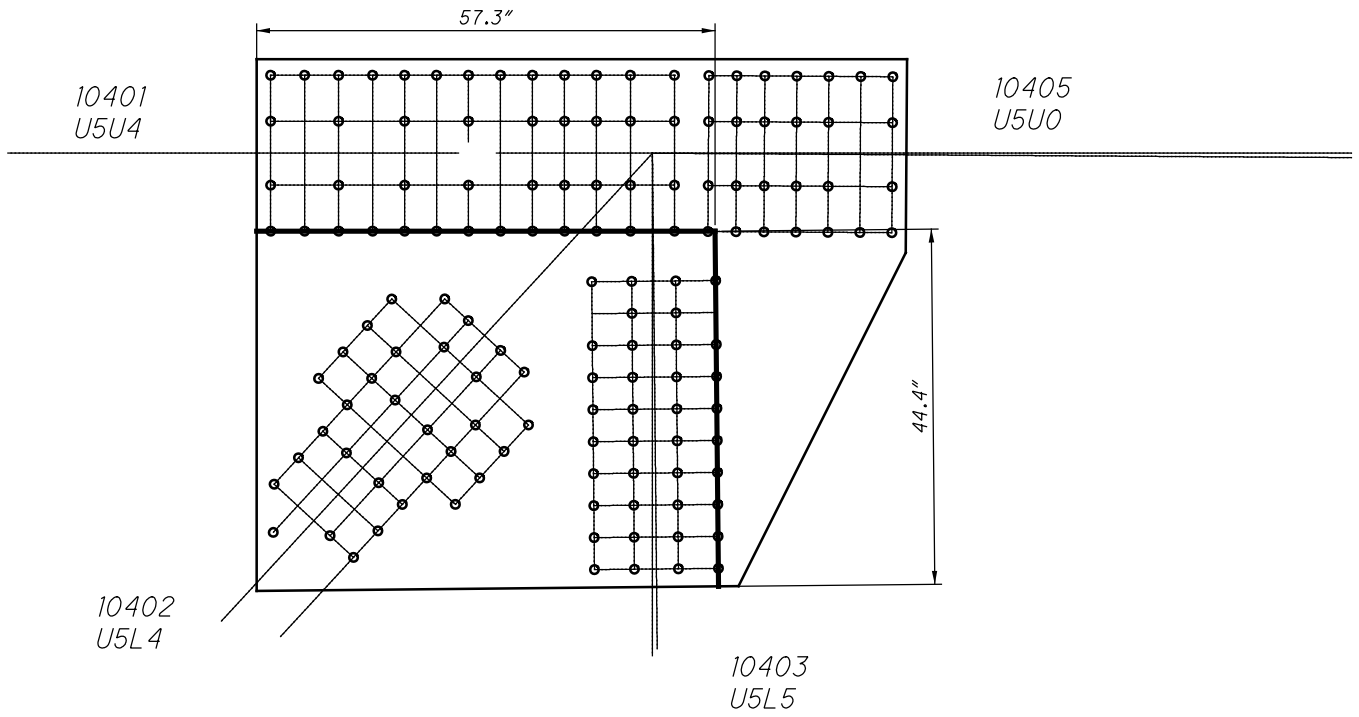
24 RIVETS
x 2 PLATES
=48 RIVETS

38 RIVETS
x 2 PLATES
=76 RIVETS

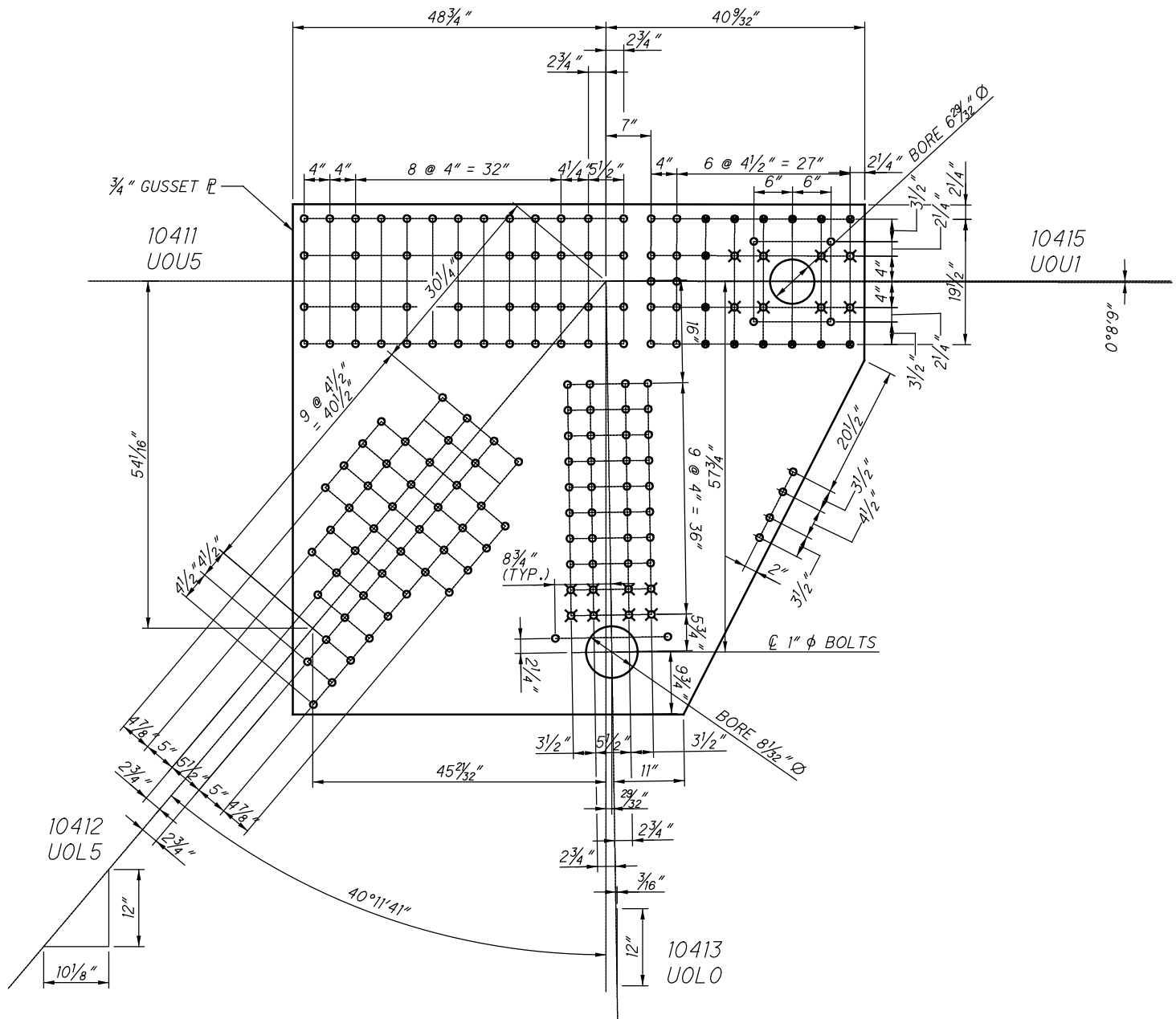
**U40 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

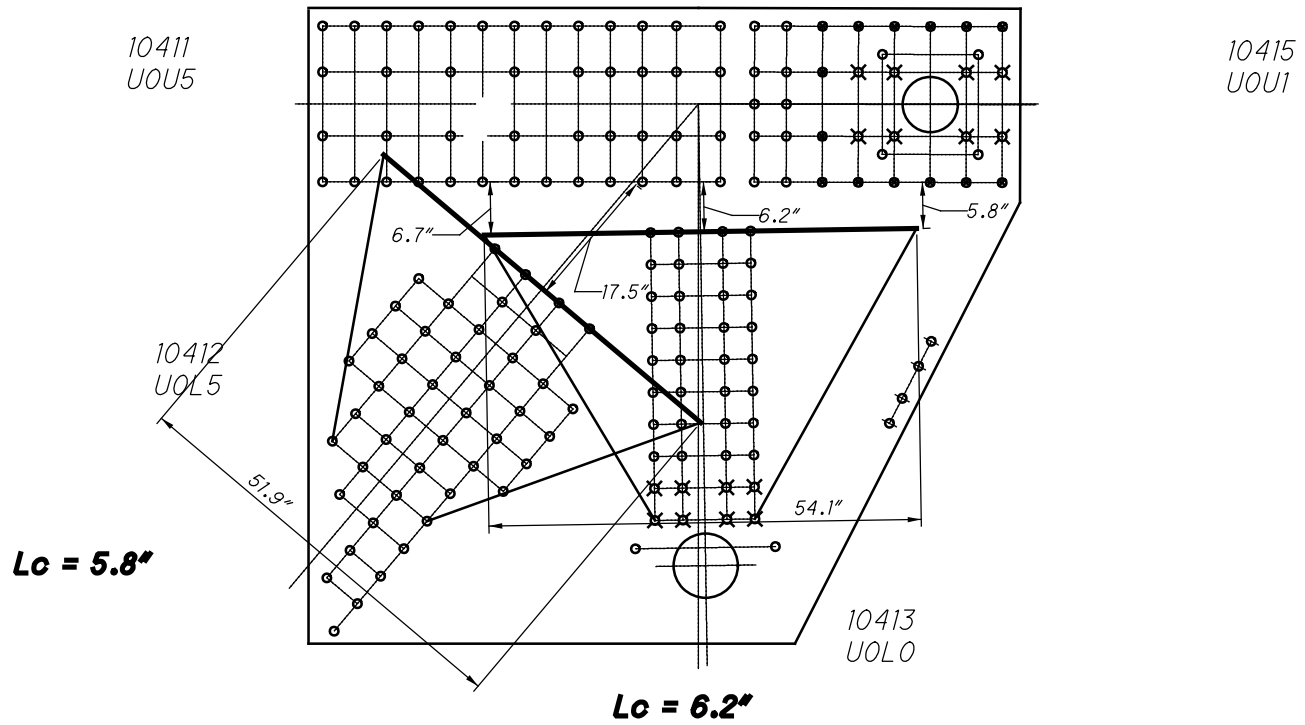


**U40 OUTSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**

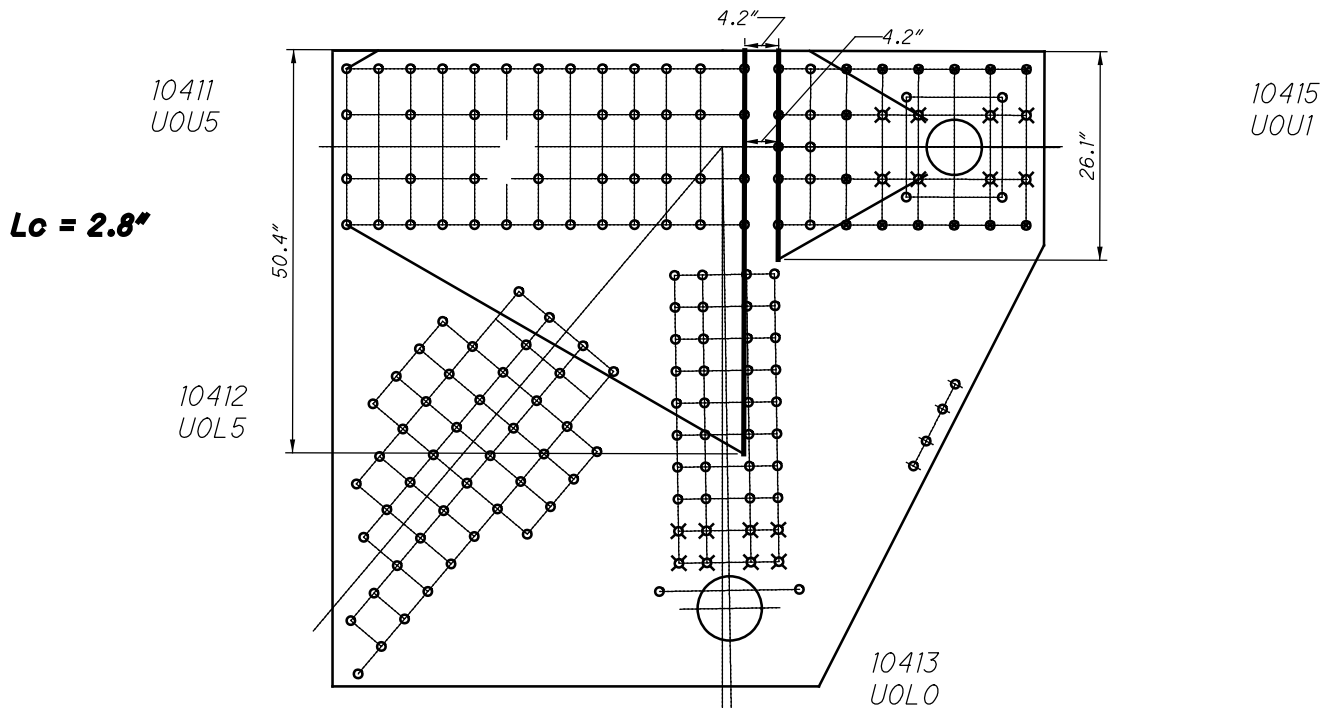


**U40 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**





**U41 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

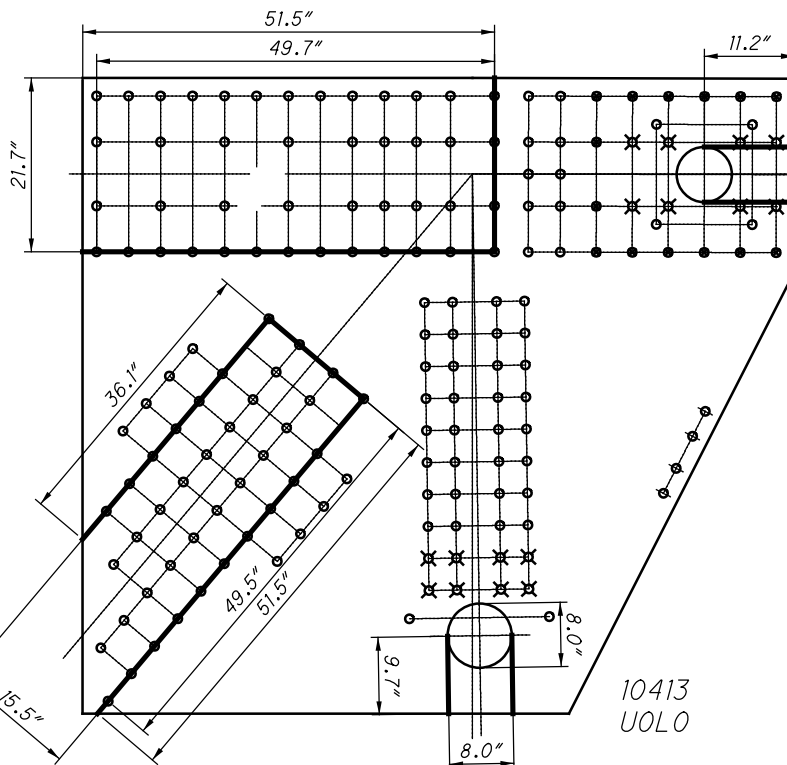


**U41 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

44 RIVETS
x 2 PLATES
=88 RIVETS

11041 AND 41041

10411
U0U5



11.2" x Ratio of all plate thicknesses to gusset plate thickness (2.667") = 29.87"

10415
U0U1

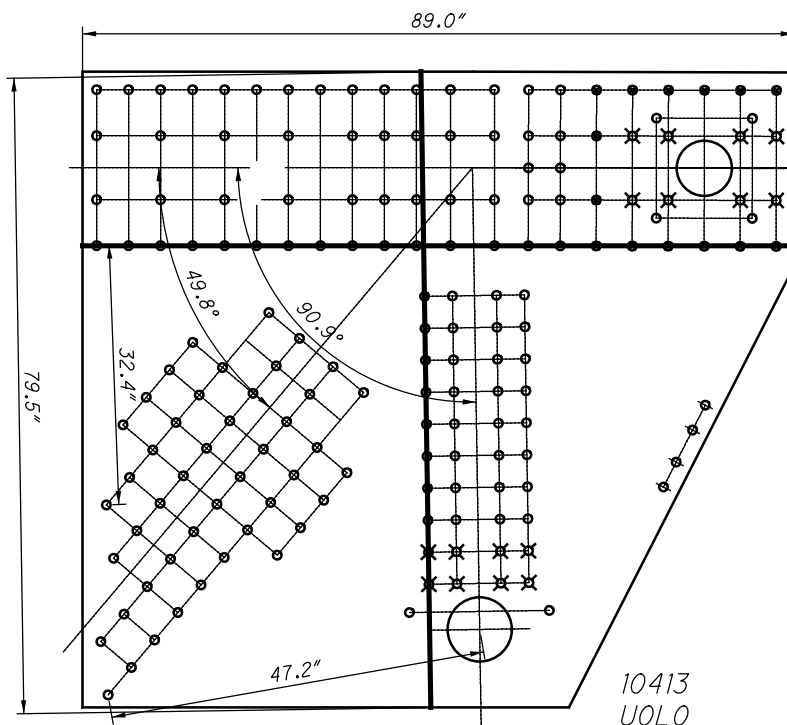
10412
U0L5

38 RIVETS
x 2 PLATES
=76 RIVETS

10413
U0L0

**U41 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10411
U0U5

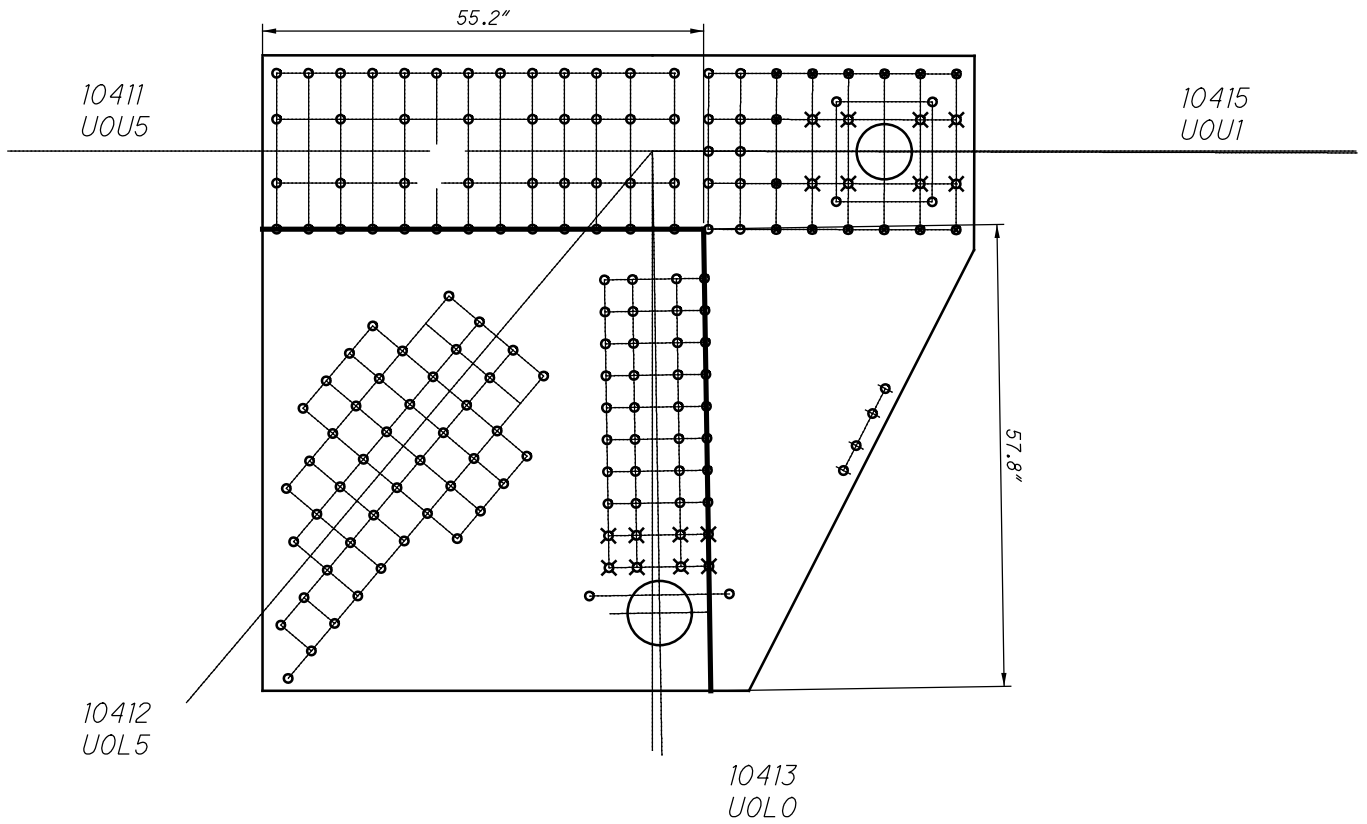


10415
U0U1

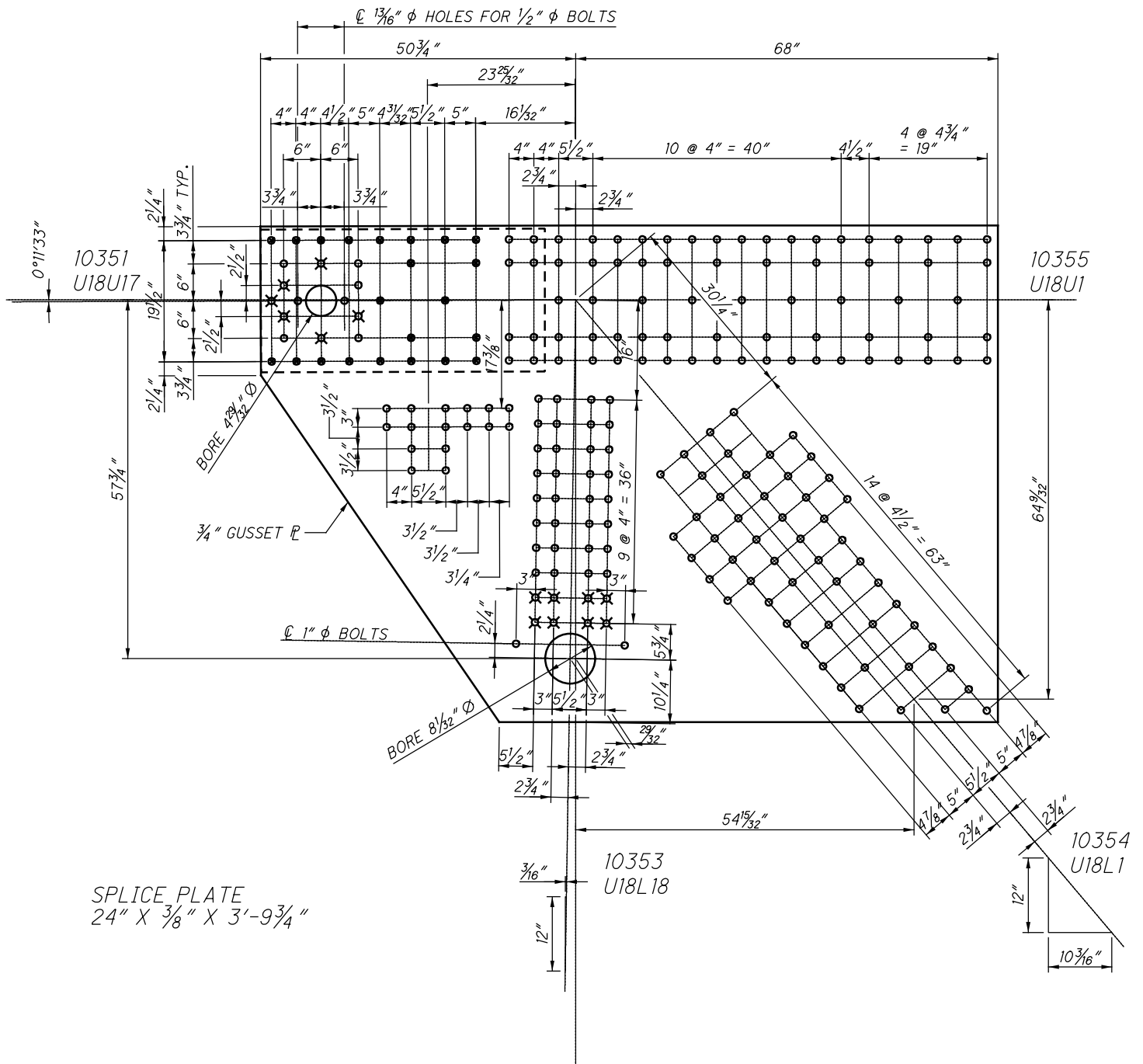
10412
U0L5

10413
U0L0

**U41 OUTSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



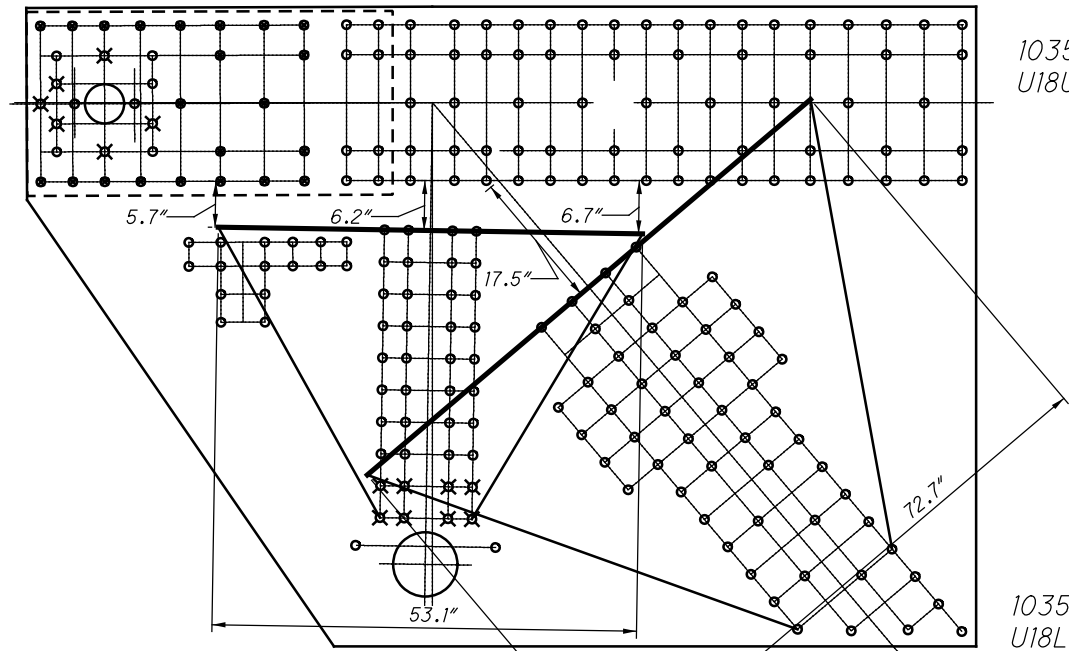
**U41 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**



**U35 INSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

10351
U18U17

10355
U18U1



10353
U18L18

10354
U18L1

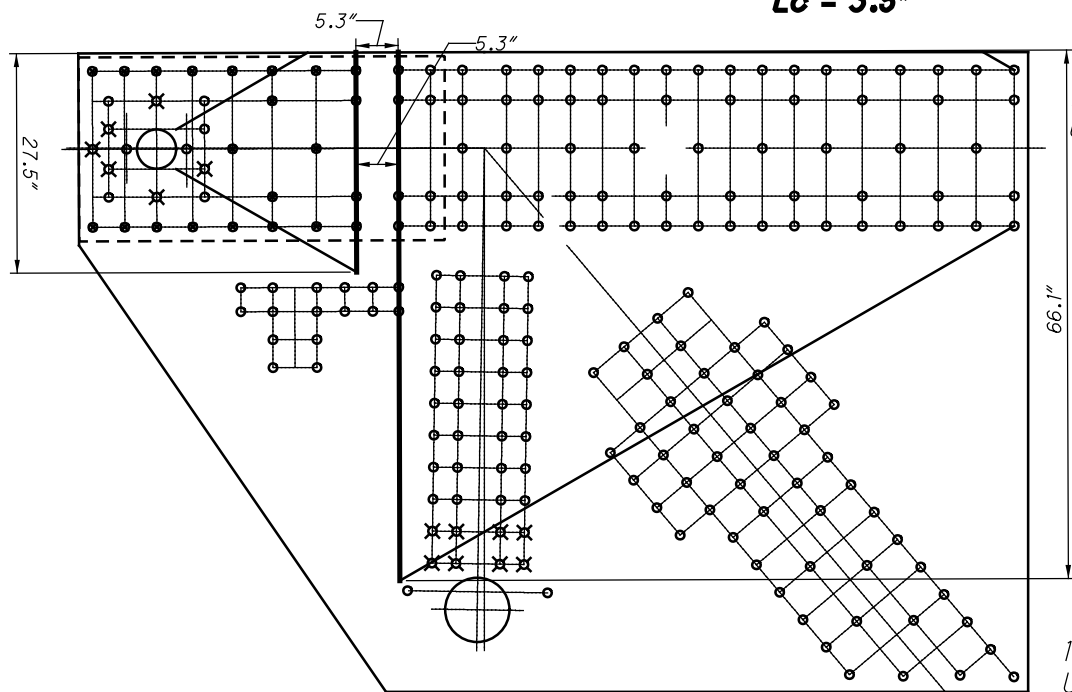
$L_c = 6.2"$

$L_c = 5.8"$

**U35 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10351
U18U17

10355
U18U1



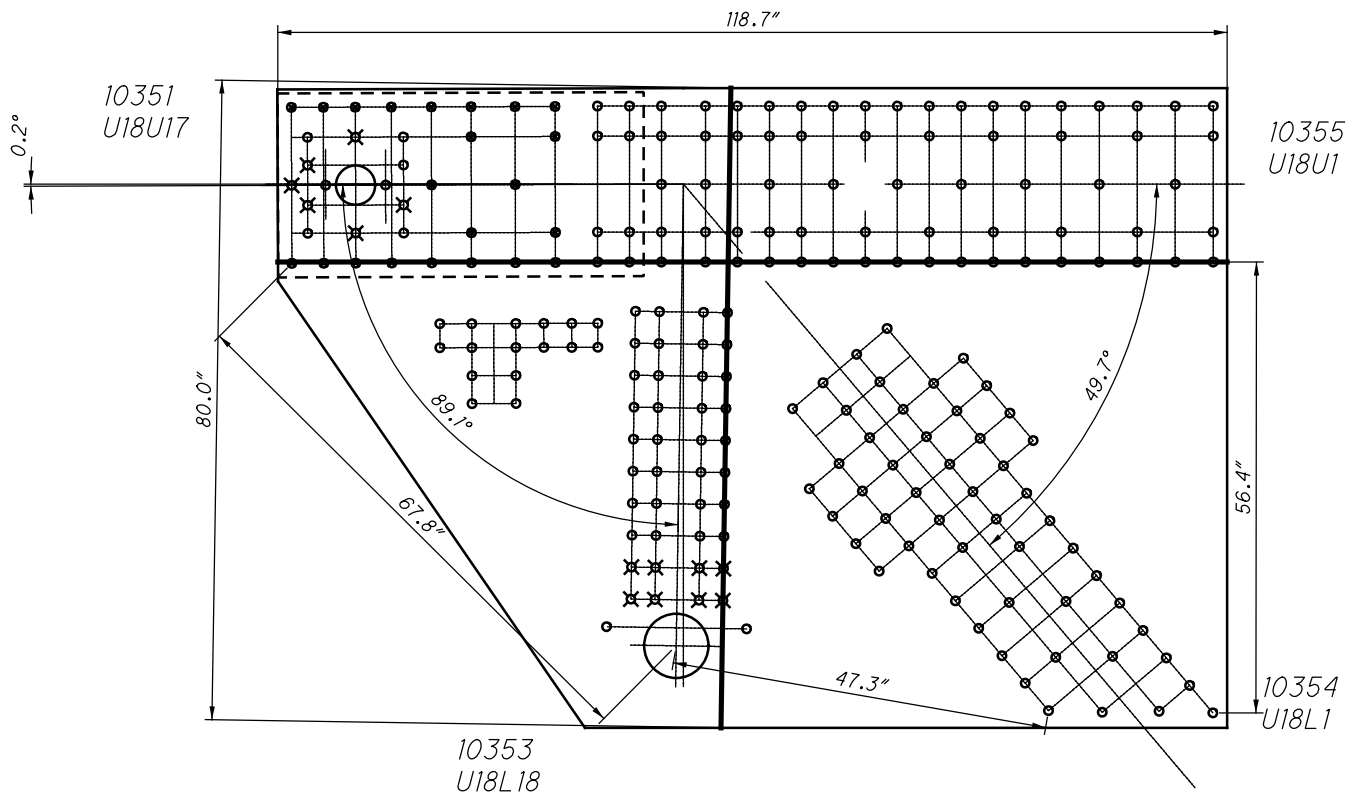
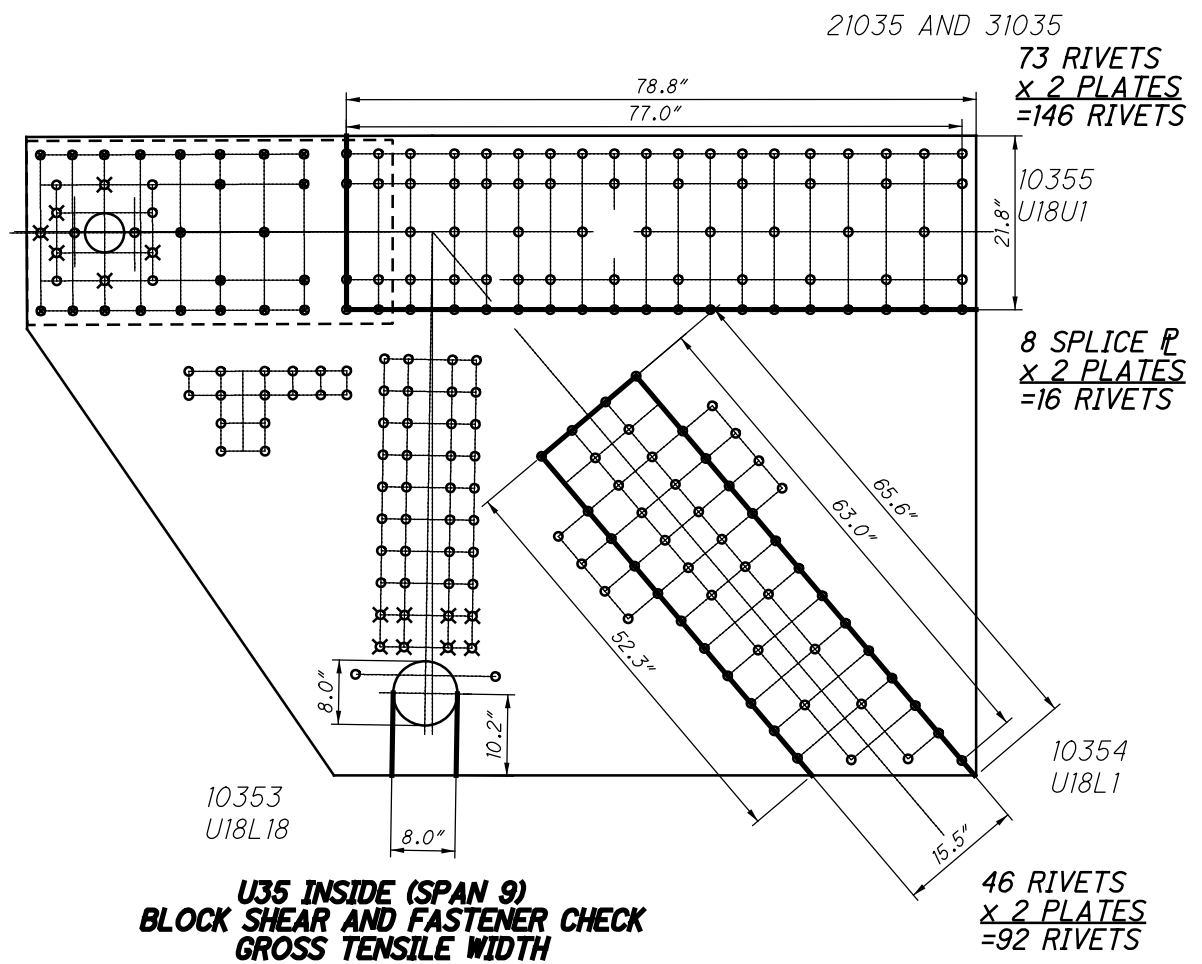
10353
U18L18

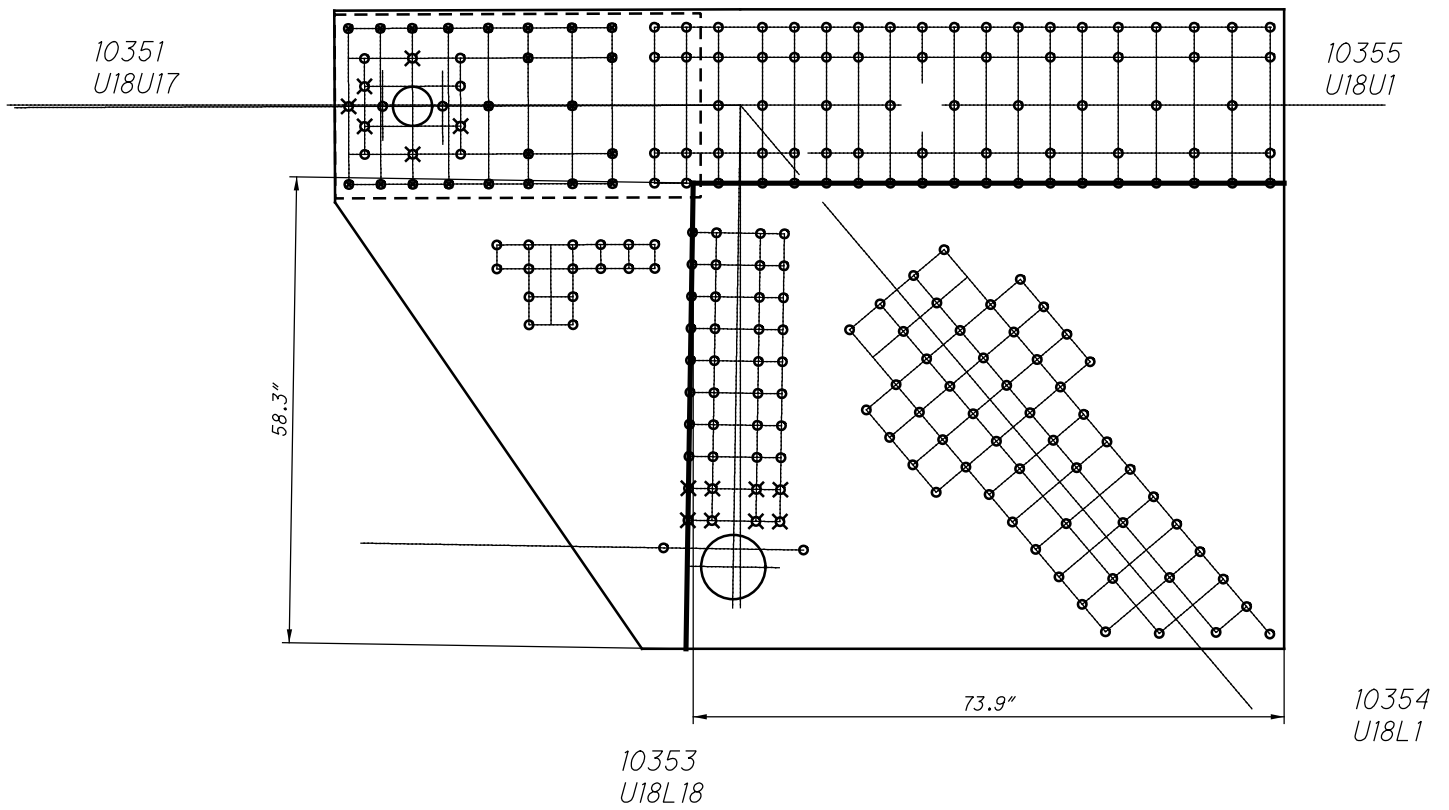
10354
U18L1

$L_c = 3.5"$

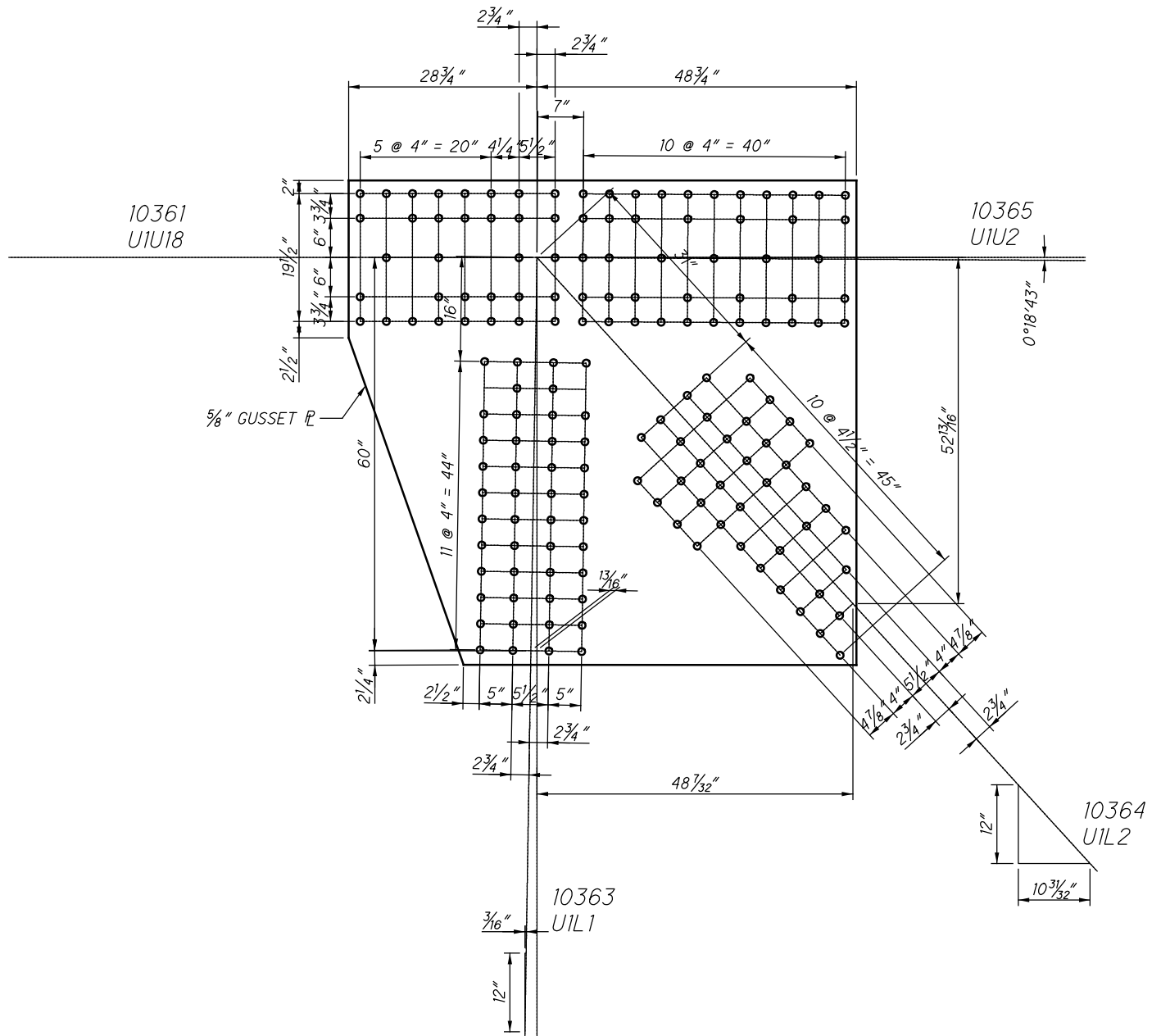
**U35 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10351
U18U17





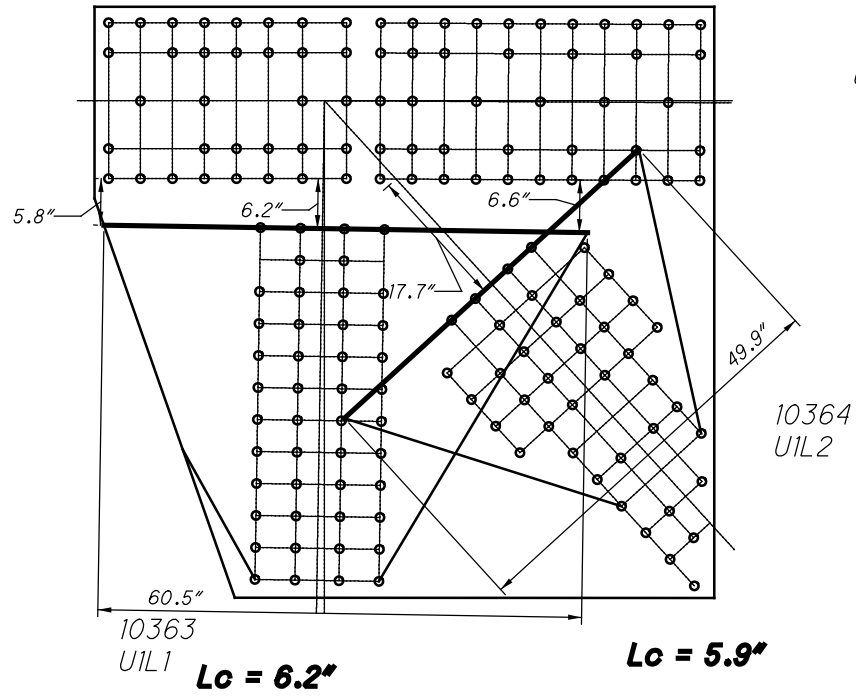
**U35 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**



**U36 INSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

10361
U1U18

10365
U1U2

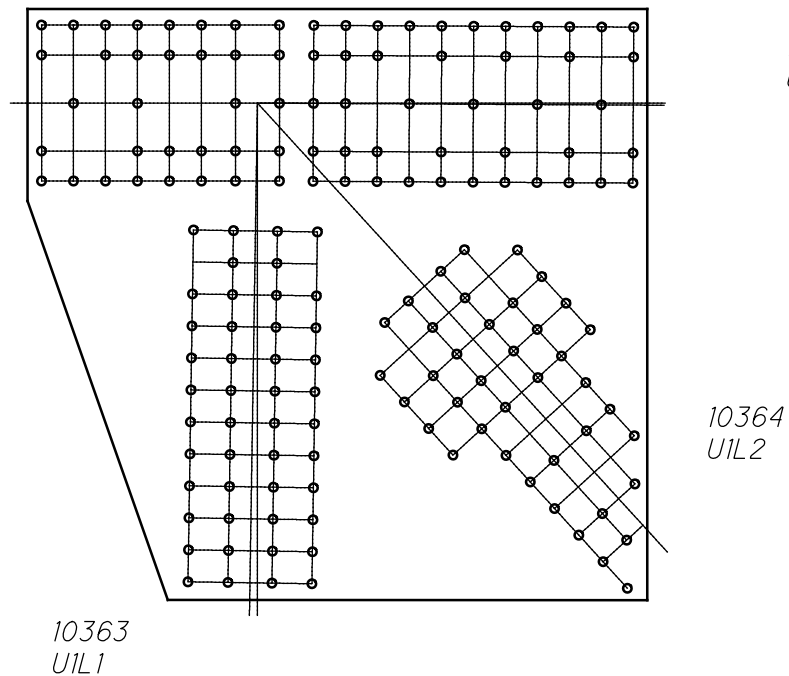


**U36 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10361
U1U18

10365
U1U2

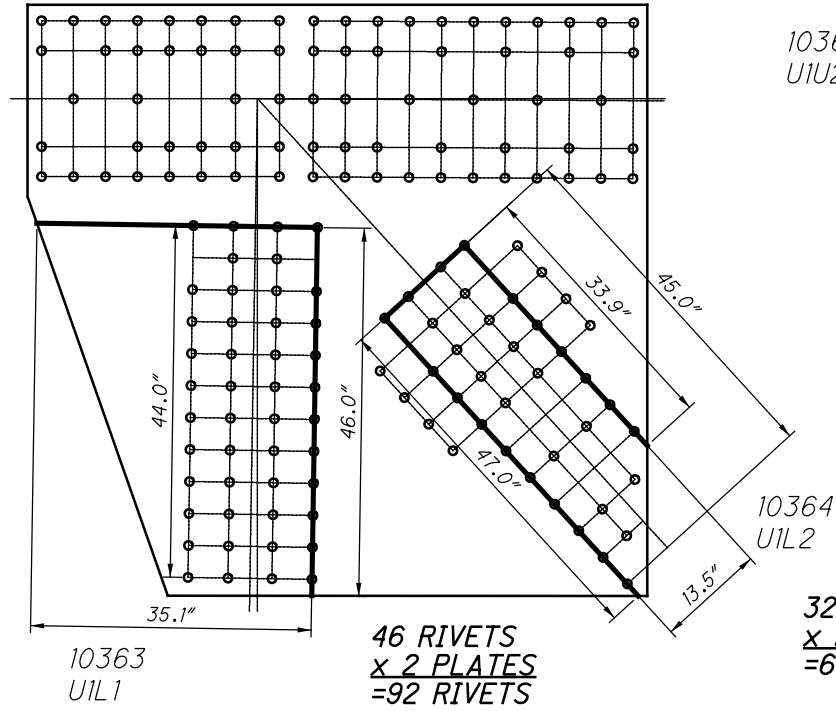


**U36 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10361
U1U18

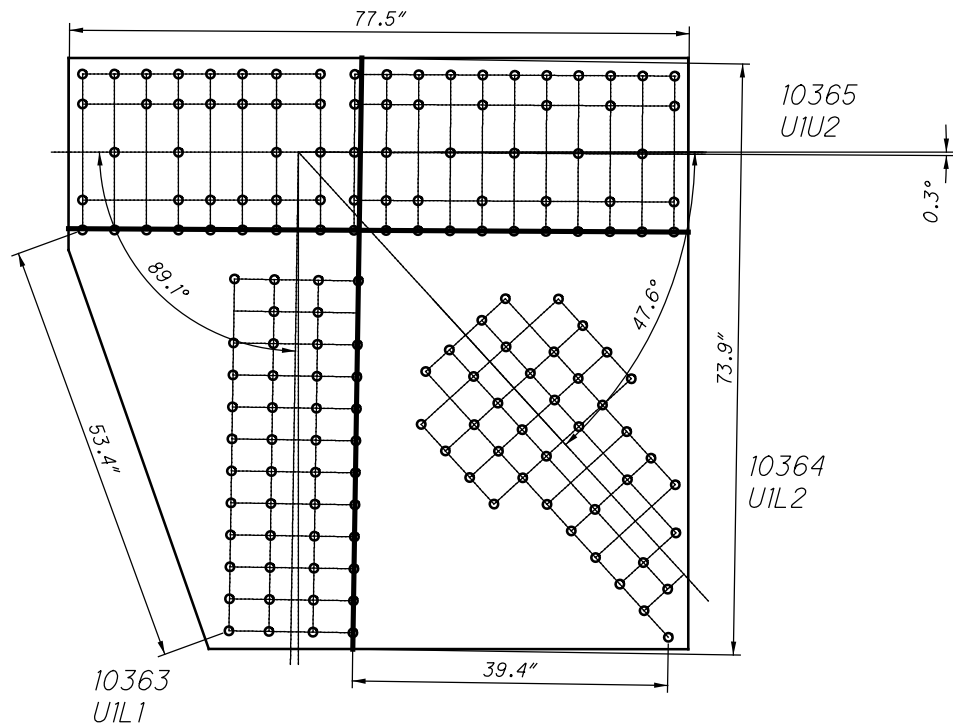
10365
U1U2



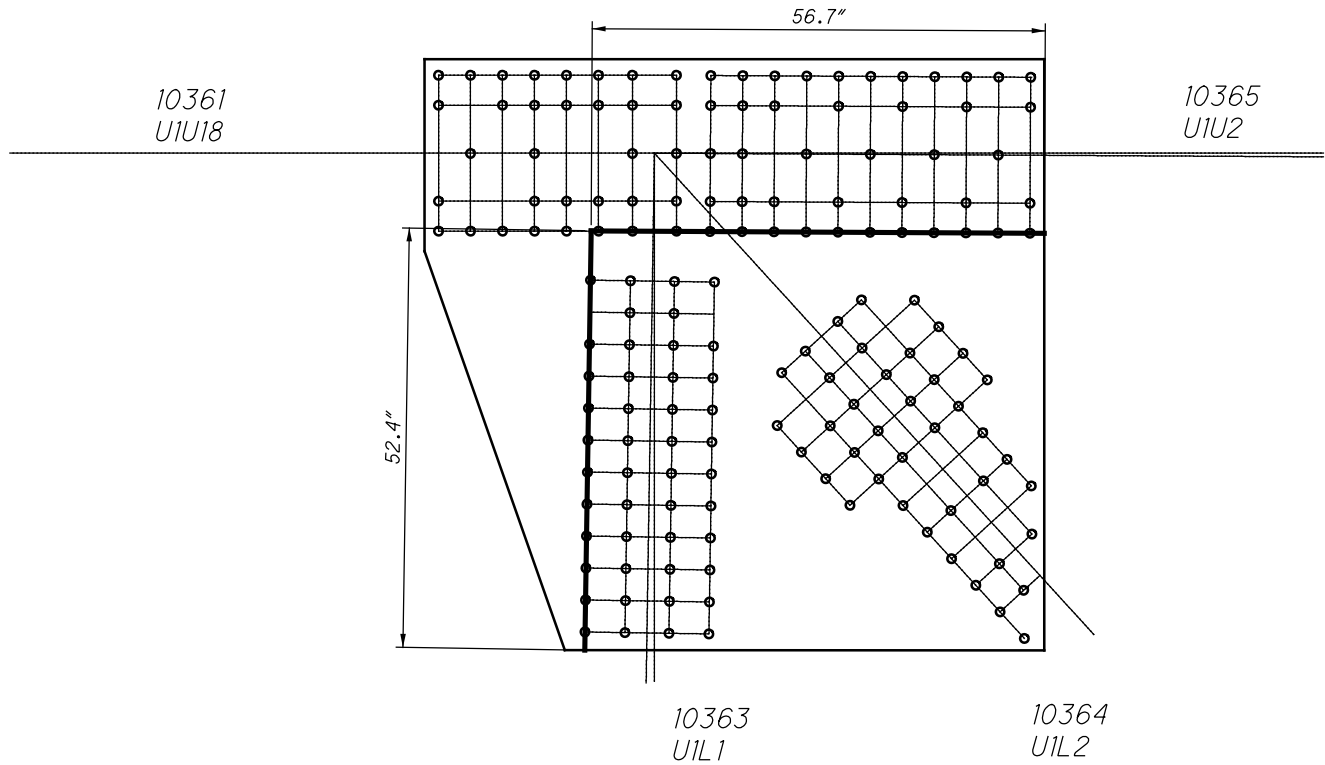
**U36 INSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10361
U1U18

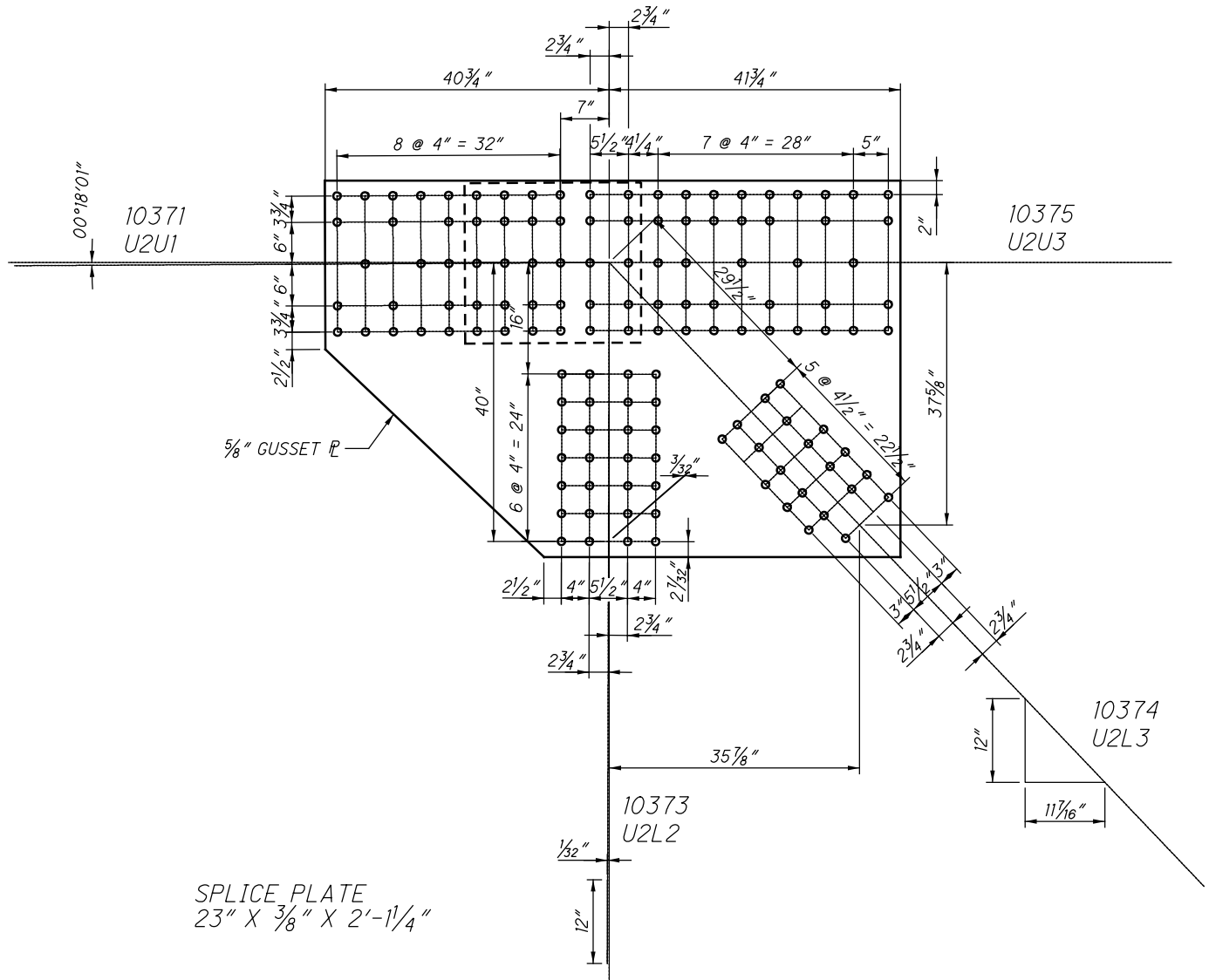
10365
U1U2



**U36 INSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



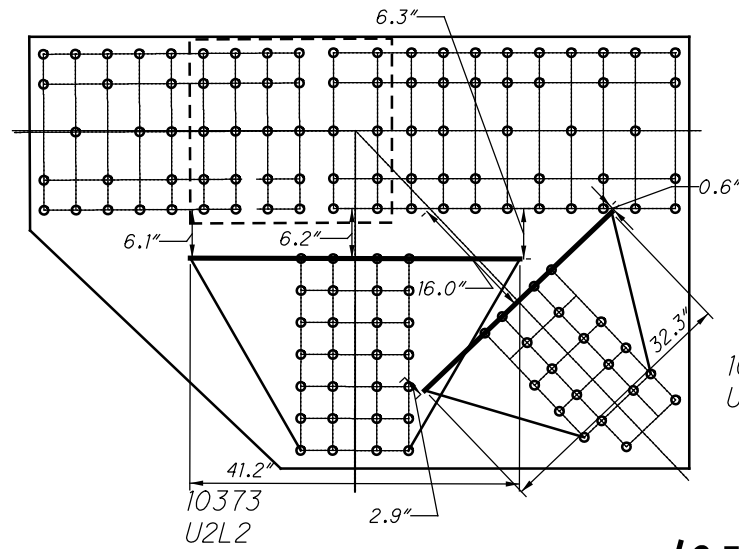
**U36 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**



**U37 INSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

10371
U2U1

10375
U2U3



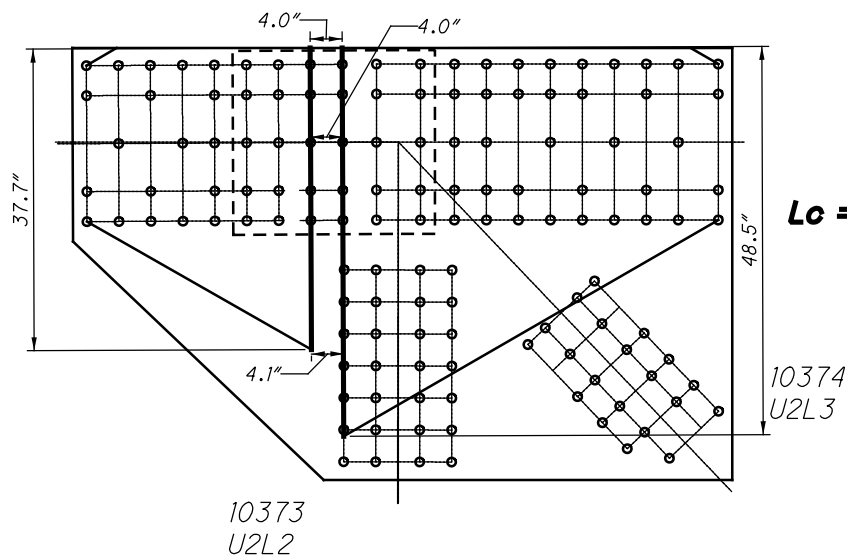
$L_c = 6.2"$

$L_c = 6.5"$

**U37 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10371
U2U1

10375
U2U3



$L_c = 4.0"$

$L_c = 2.7"$

**U37 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

34 RIVETS
x 2 PLATES
=68 RIVETS

10371
U2U1

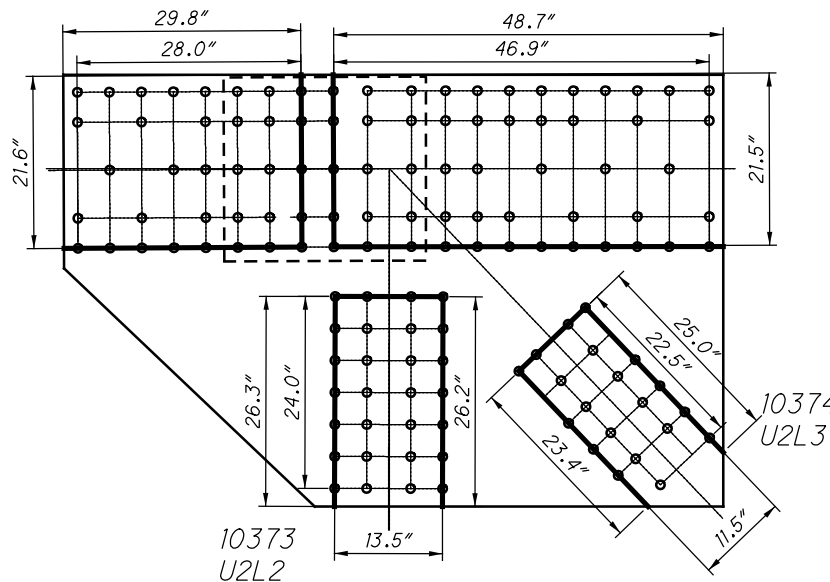
15 SPLICE P
x 2 PLATES
=30 RIVETS

21037 AND 31037

51 RIVETS
x 2 PLATES
=102 RIVETS

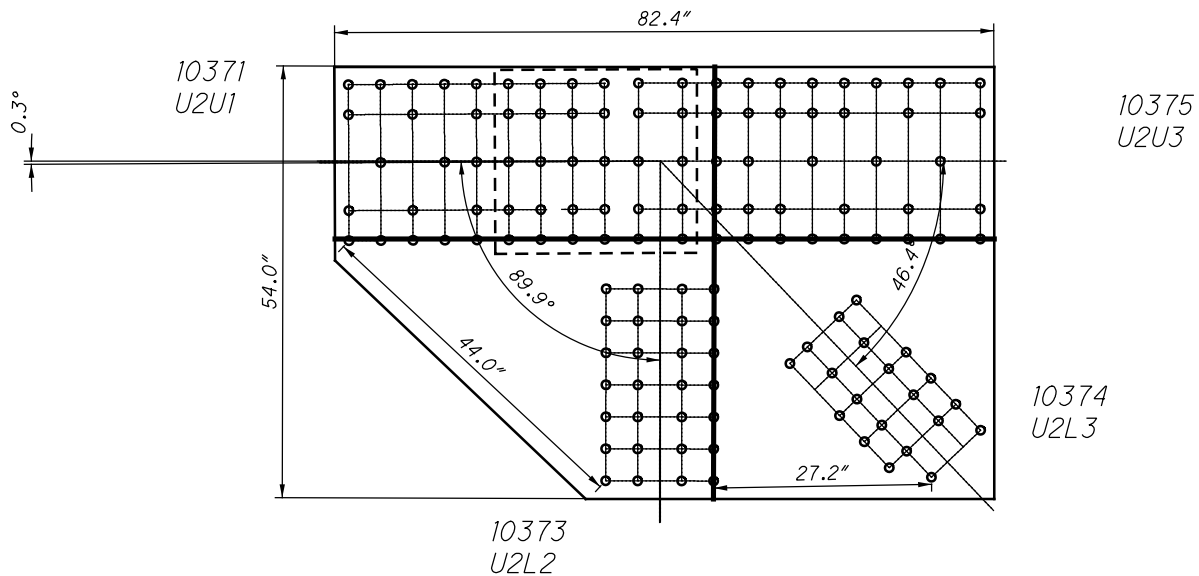
10375
U2U3

15 SPLICE P
x 2 PLATES
=30 RIVETS

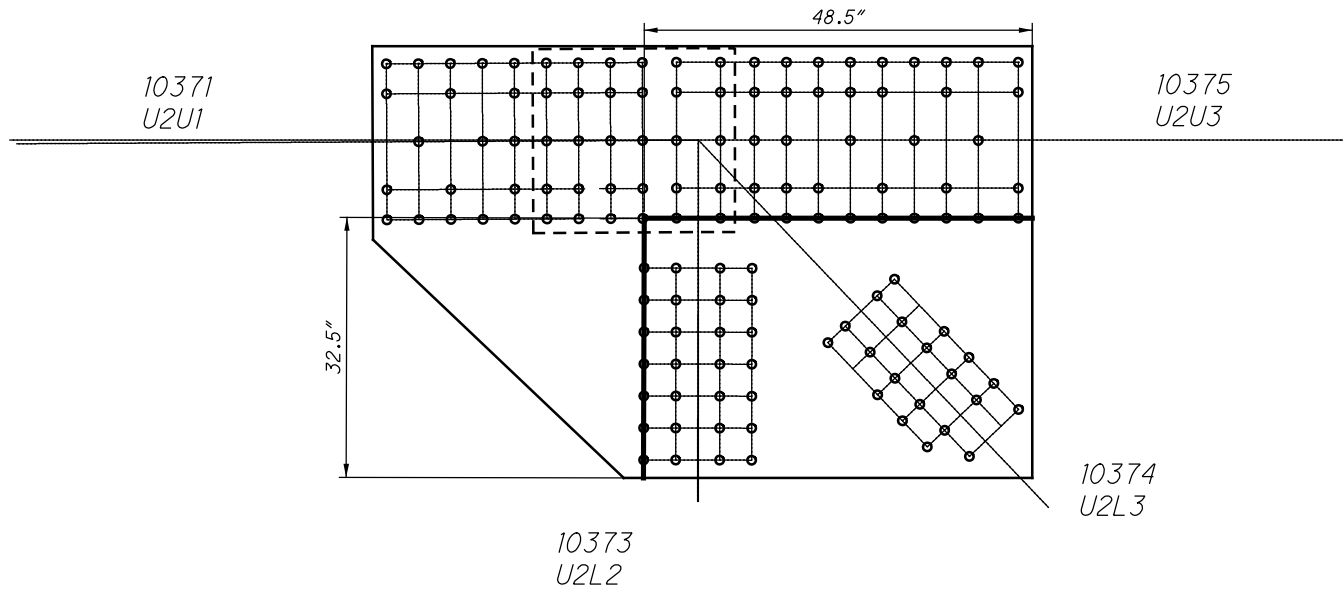


28 RIVETS
x 2 PLATES
=56 RIVETS

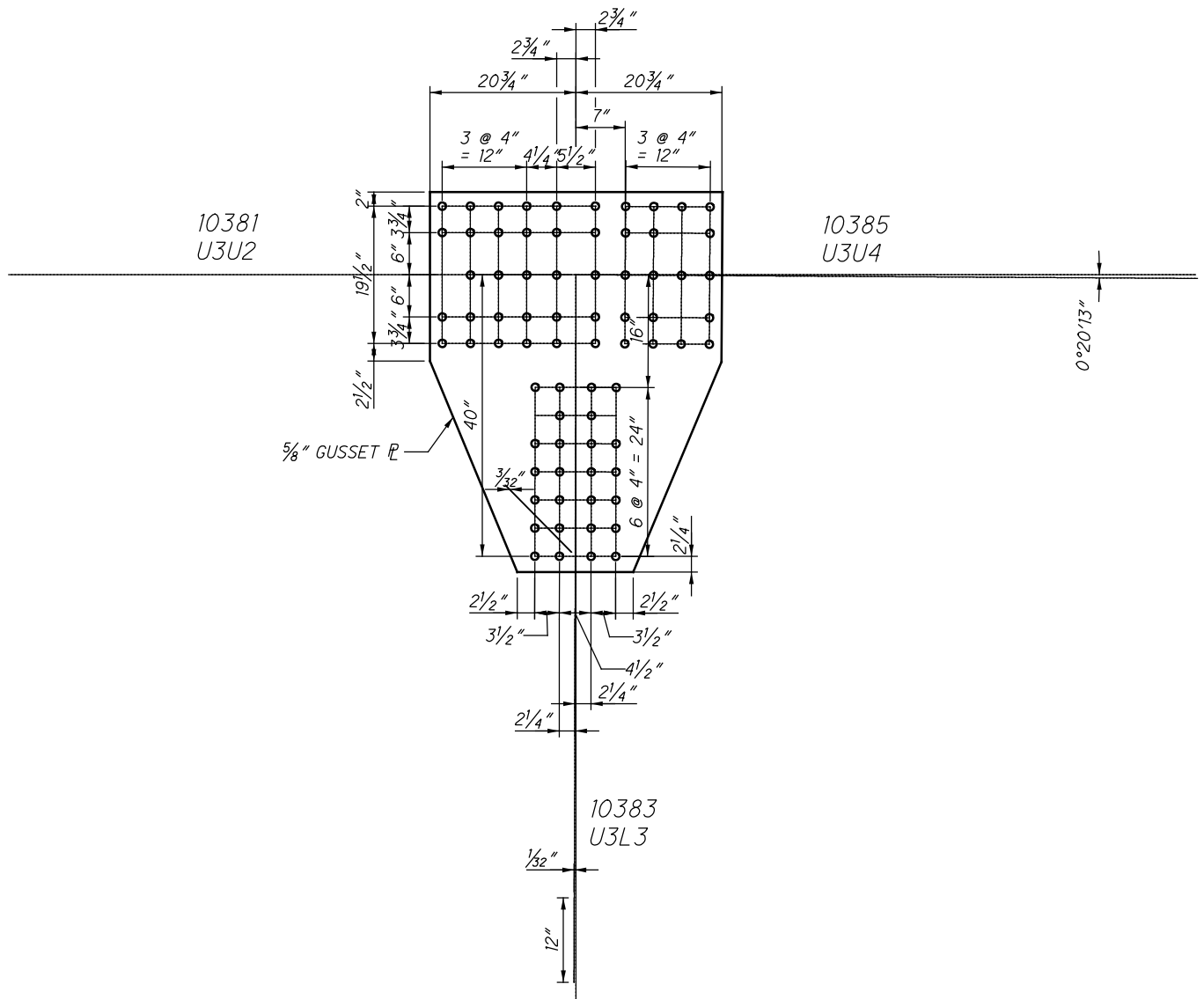
**U37 INSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U37 INSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



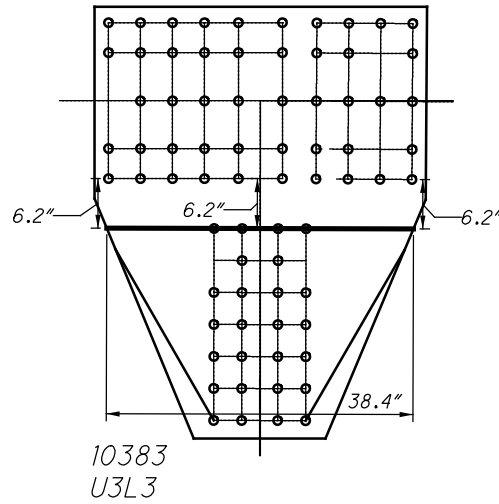
**U37 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**



**U38 INSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

10381
U3U2

10385
U3U4



10383
U3L3

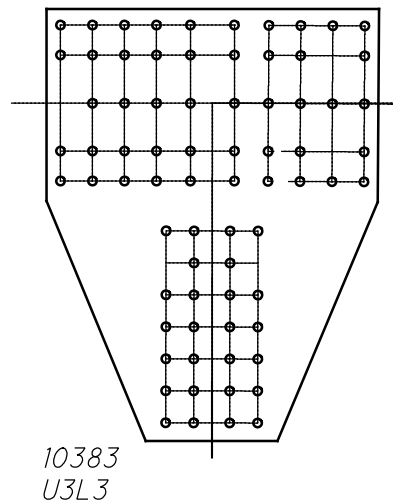
$L_c = 6.2"$

**U38 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10381
U3U2

10385
U3U4

$L_c = 3.7"$



10383
U3L3

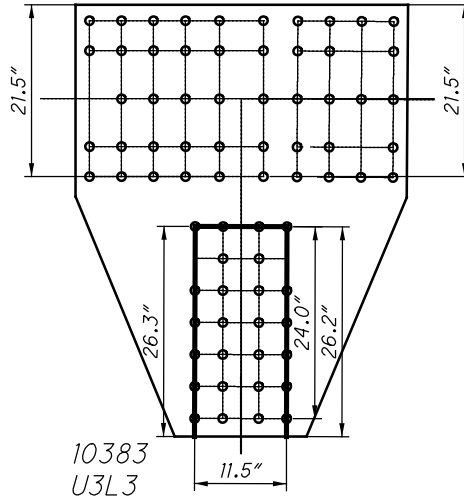
$L_c = 3.7"$

**U38 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

24 RIVETS
 $\times 2$ PLATES
 =48 RIVETS

10381
 U3U2

CHORD IS CONTINUOUS



21038 AND 31038

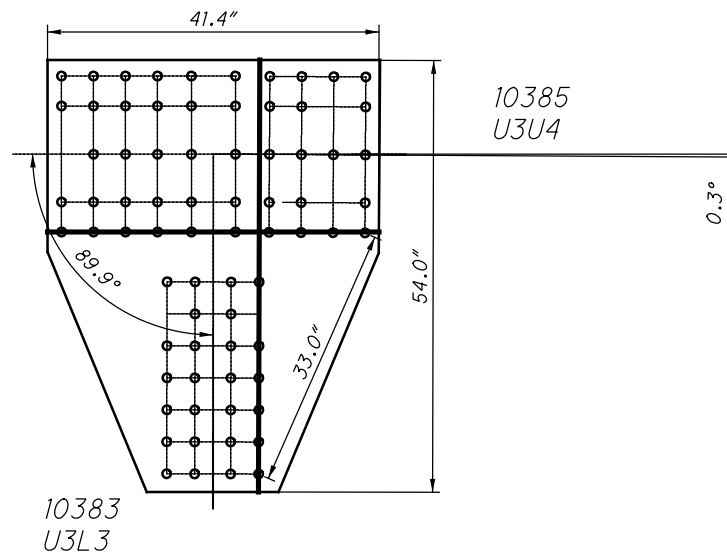
23 RIVETS
 $\times 2$ PLATES
 =46 RIVETS

10385
 U3U4

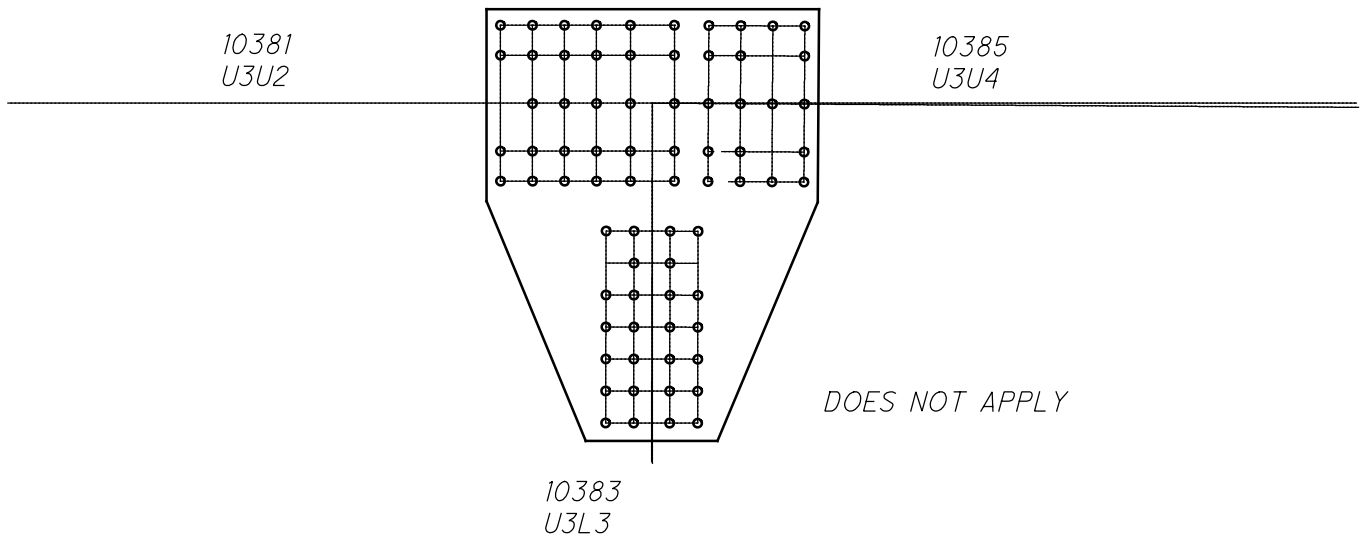
26 RIVETS
 $\times 2$ PLATES
 =52 RIVETS

**U38 INSIDE (SPAN 9)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

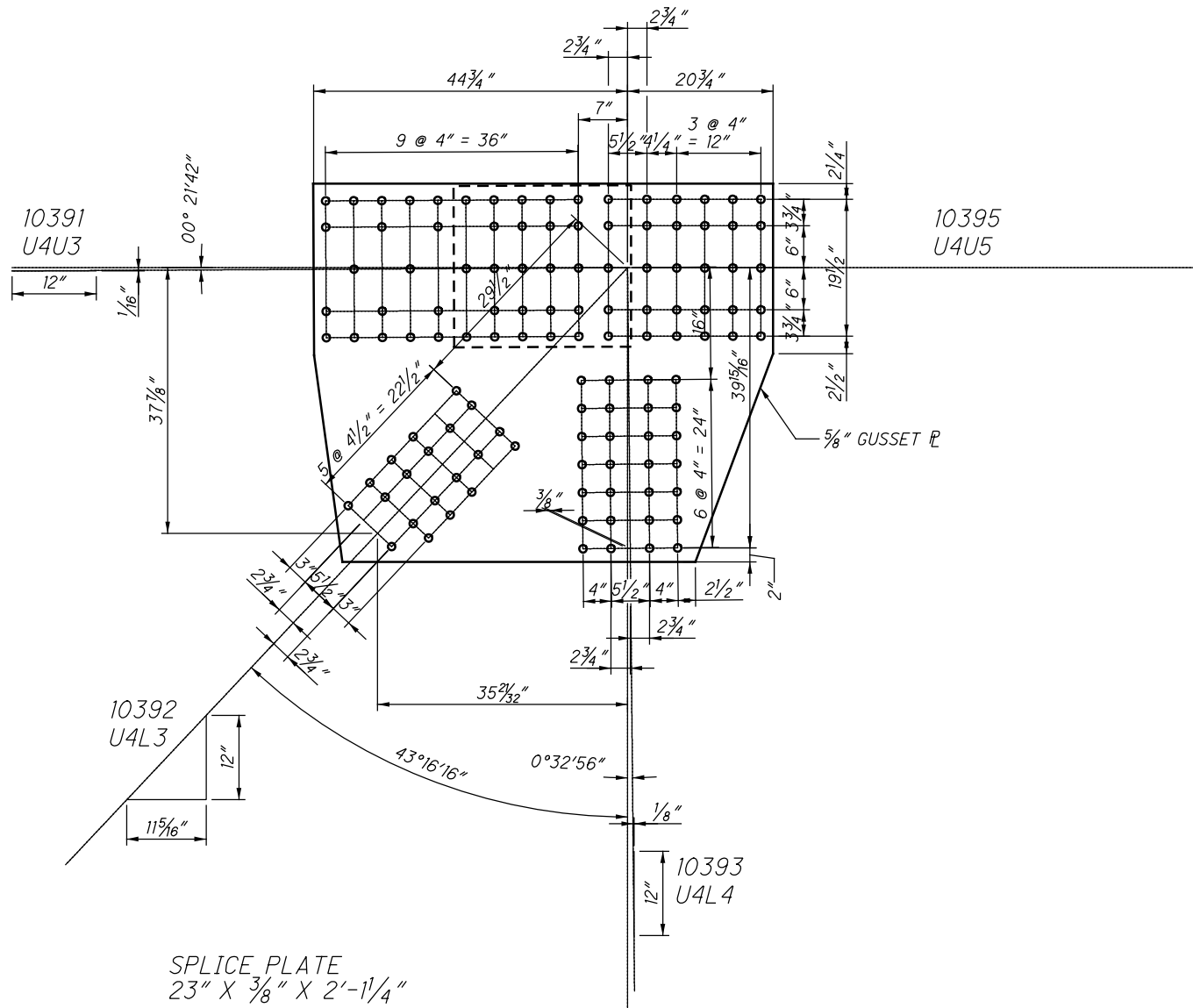
10381
 U3U2



**U38 INSIDE (SPAN 9)
 SHEAR AND FREE EDGE CHECK**



**U38 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**

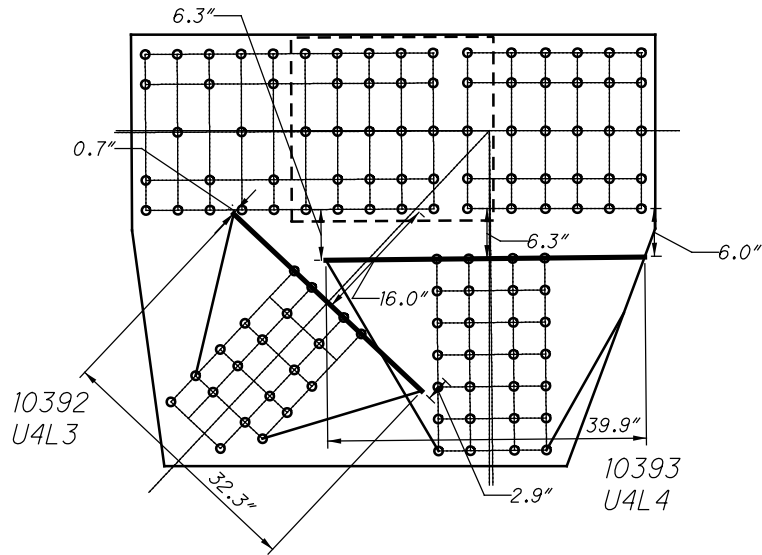


**U39 INSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

10391
U4U3

10395
U4U5

$L_c = 6.5''$



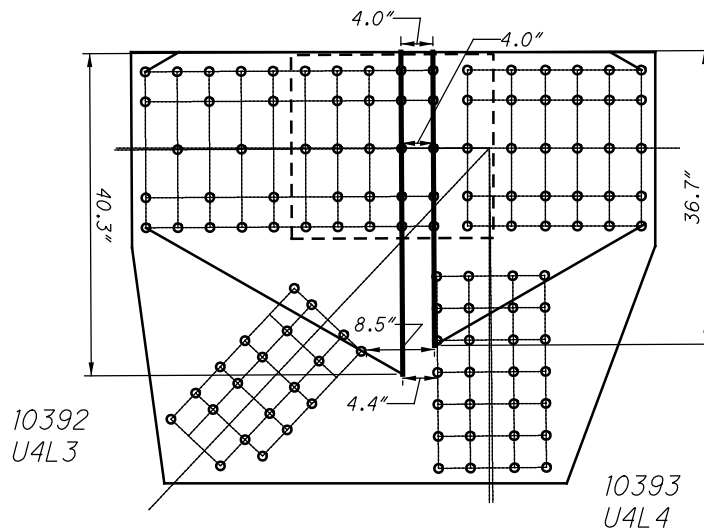
$L_c = 6.2''$

**U39 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10391
U4U3

10395
U4U5

$L_c = 4.1''$



$L_c = 5.5''$

**U39 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

36 RIVETS
x 2 PLATES
=72 RIVETS

10391
U4U3

15 SPLICE P
x 2 PLATES
=30 RIVETS

10392
U4L3

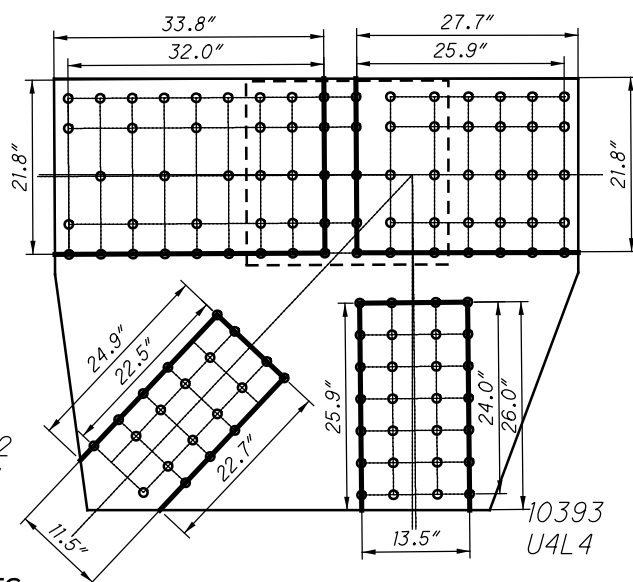
20 RIVETS
x 2 PLATES
=40 RIVETS

21039 AND 31039

35 RIVETS
x 2 PLATES
=70 RIVETS

10395
U4U5

15 SPLICE P
x 2 PLATES
=30 RIVETS



28 RIVETS
x 2 PLATES
=56 RIVETS

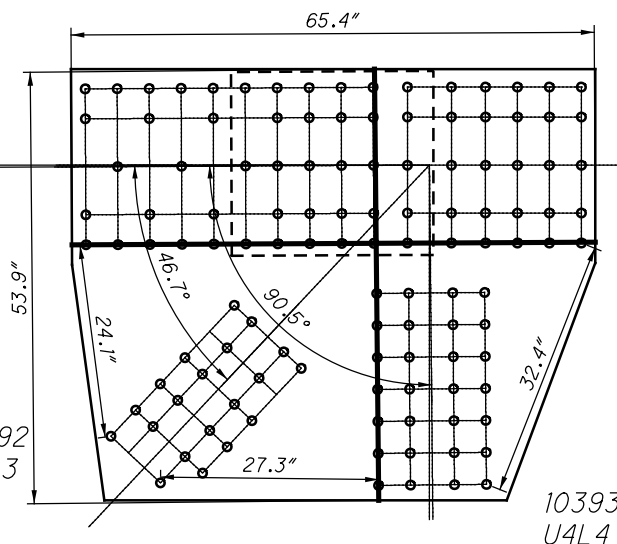
**U39 INSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10391
U4U3

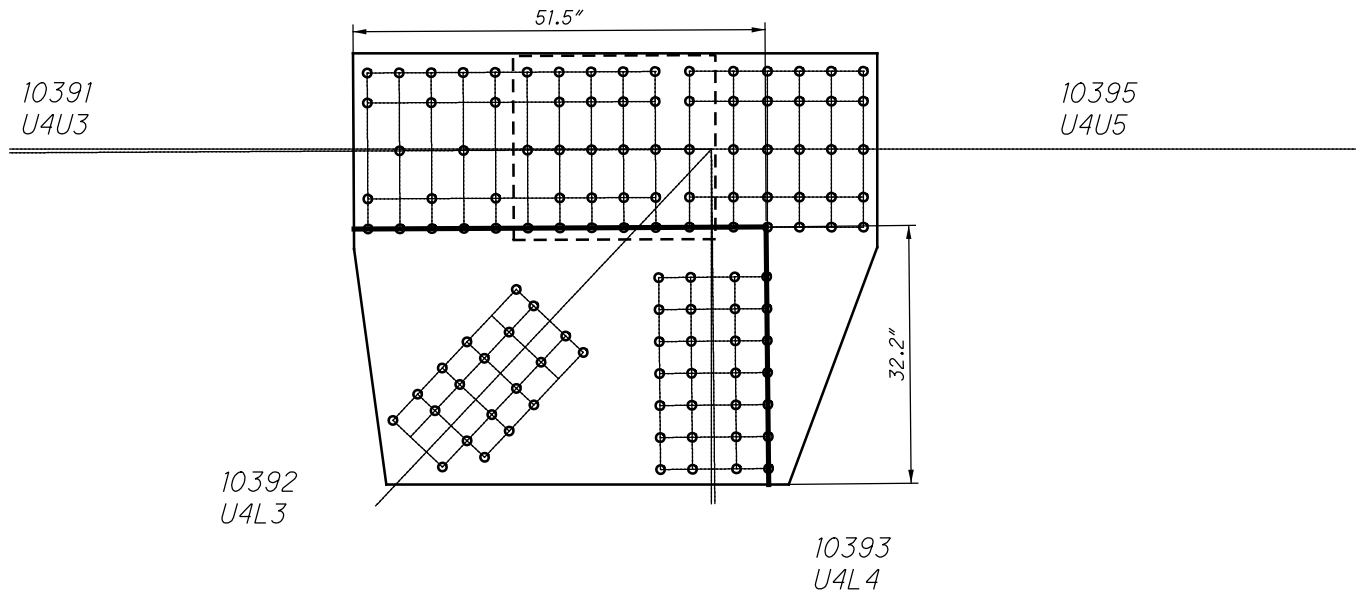
0.3°

10392
U4L3

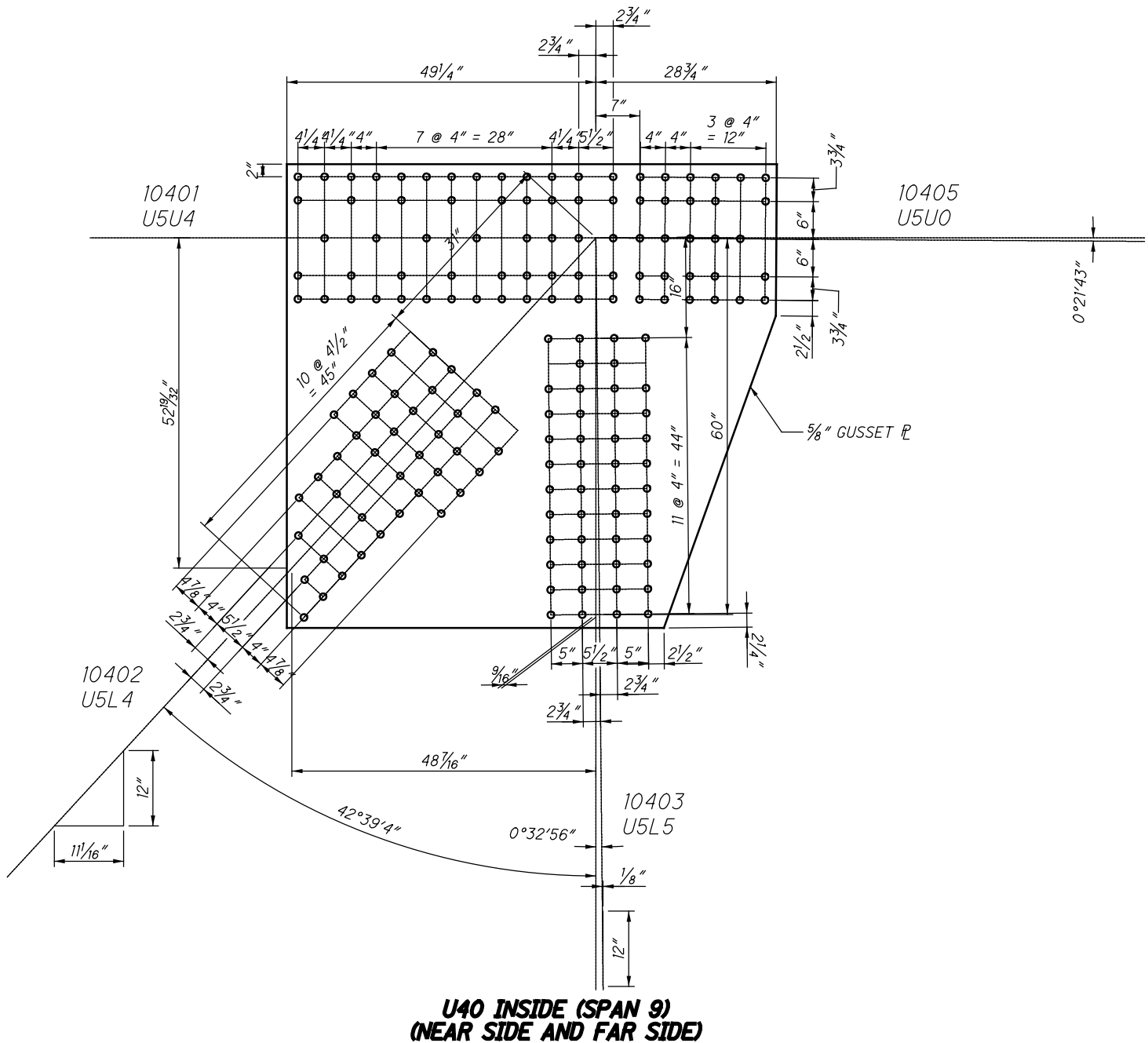
10395
U4U5

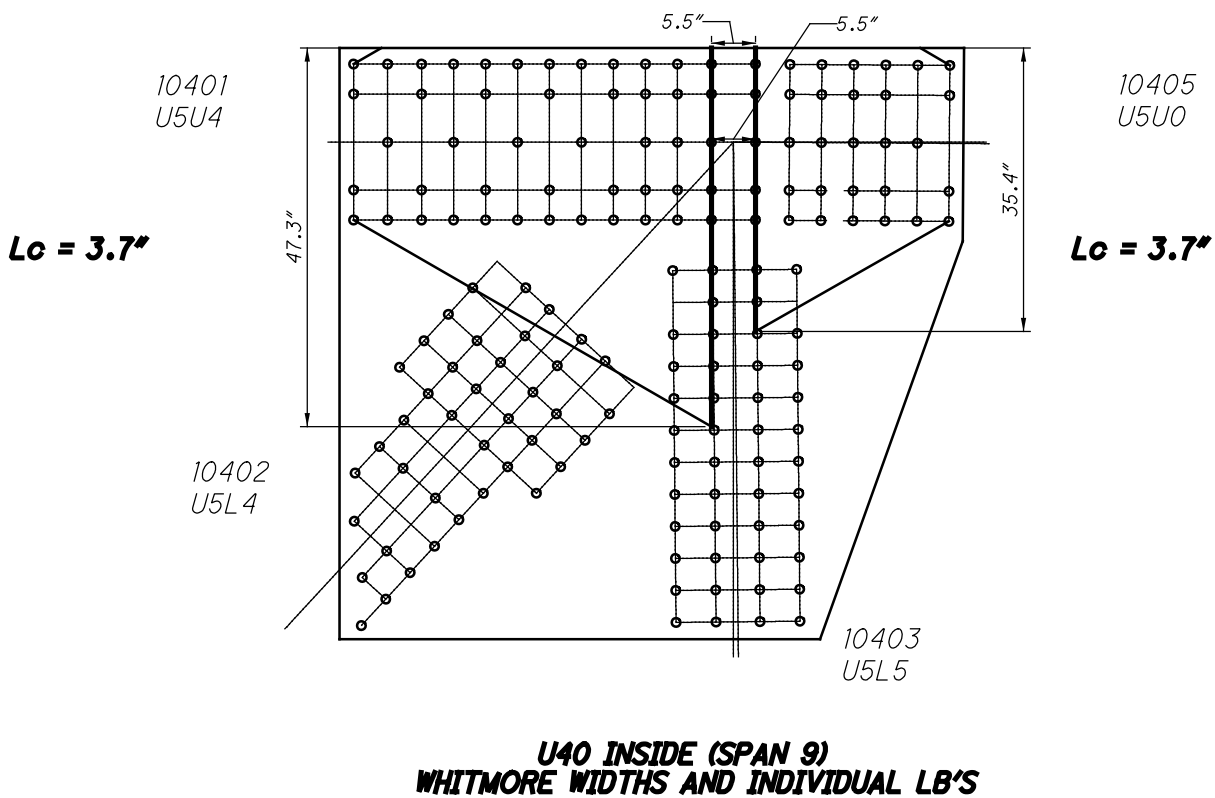
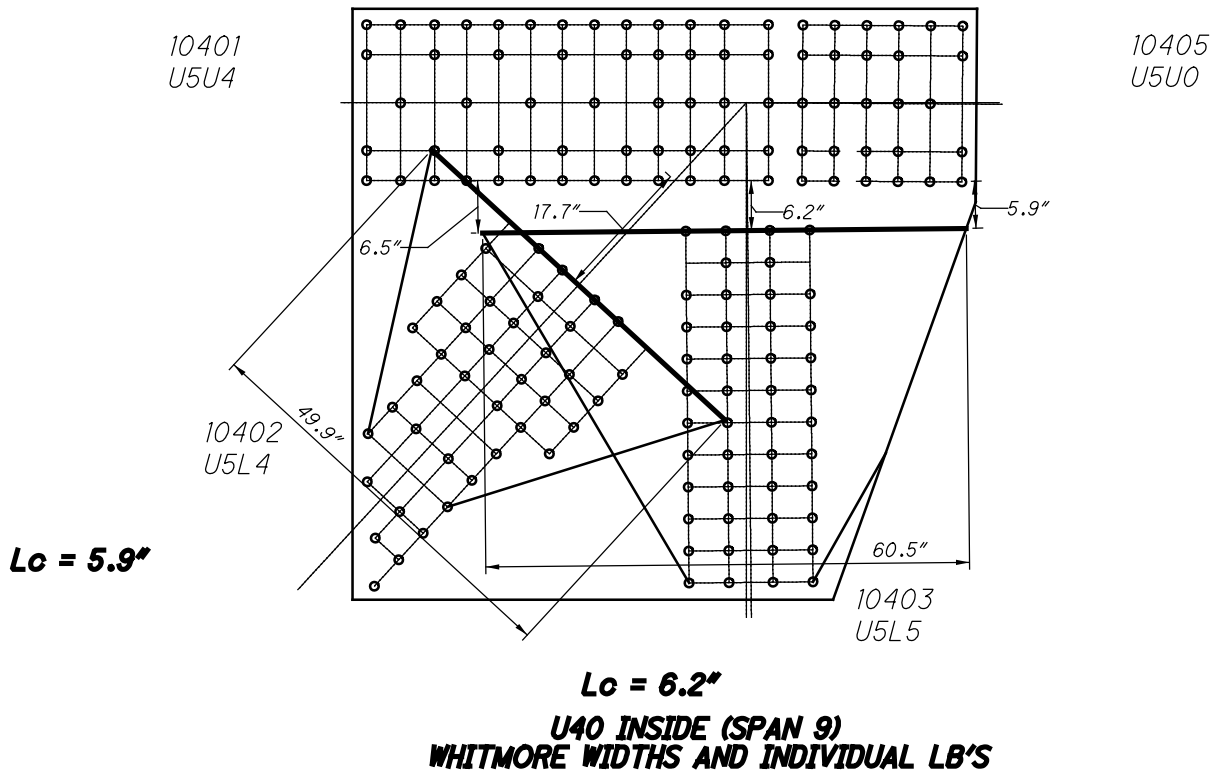


**U39 INSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



**U39 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**





47 RIVETS
x 2 PLATES
=94 RIVETS

21040 AND 31040

10401
U5U4

10405
U5U0

32 RIVETS
x 2 PLATES
=64 RIVETS

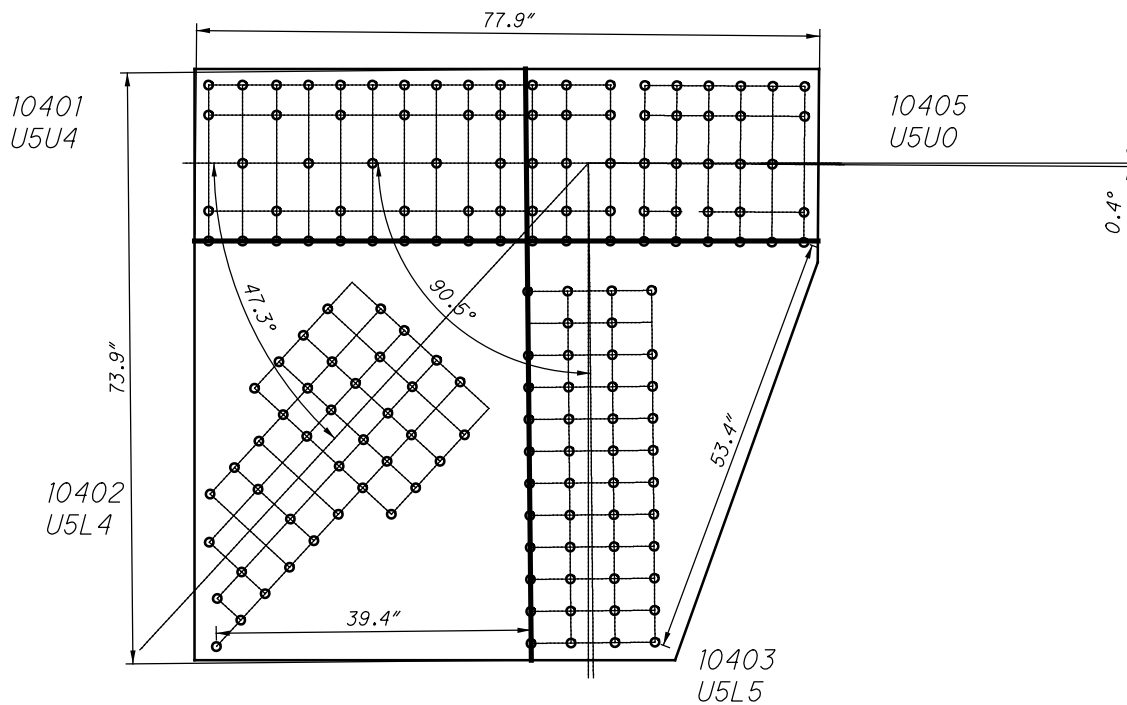
32 RIVETS
x 2 PLATES
=64 RIVETS

46 RIVETS
x 2 PLATES
=92 RIVETS

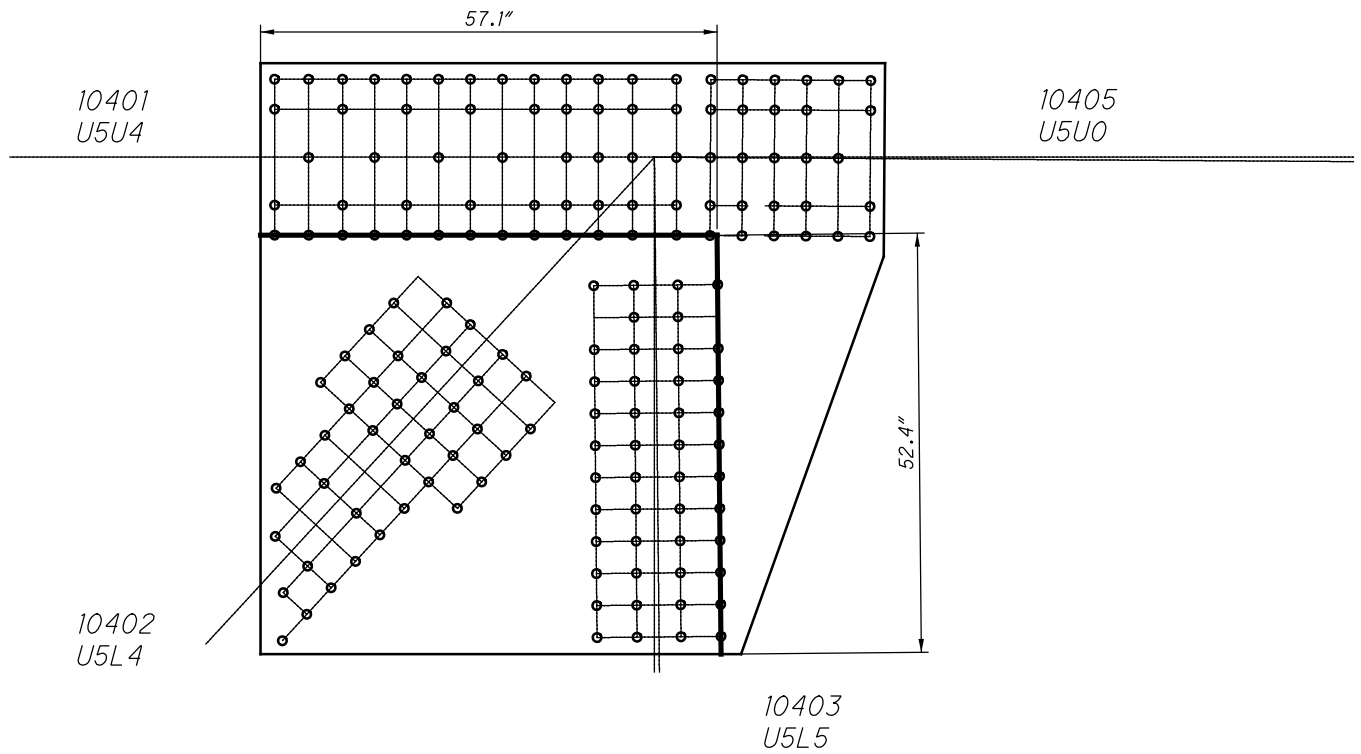
10402
U5L4

10403
U5L5

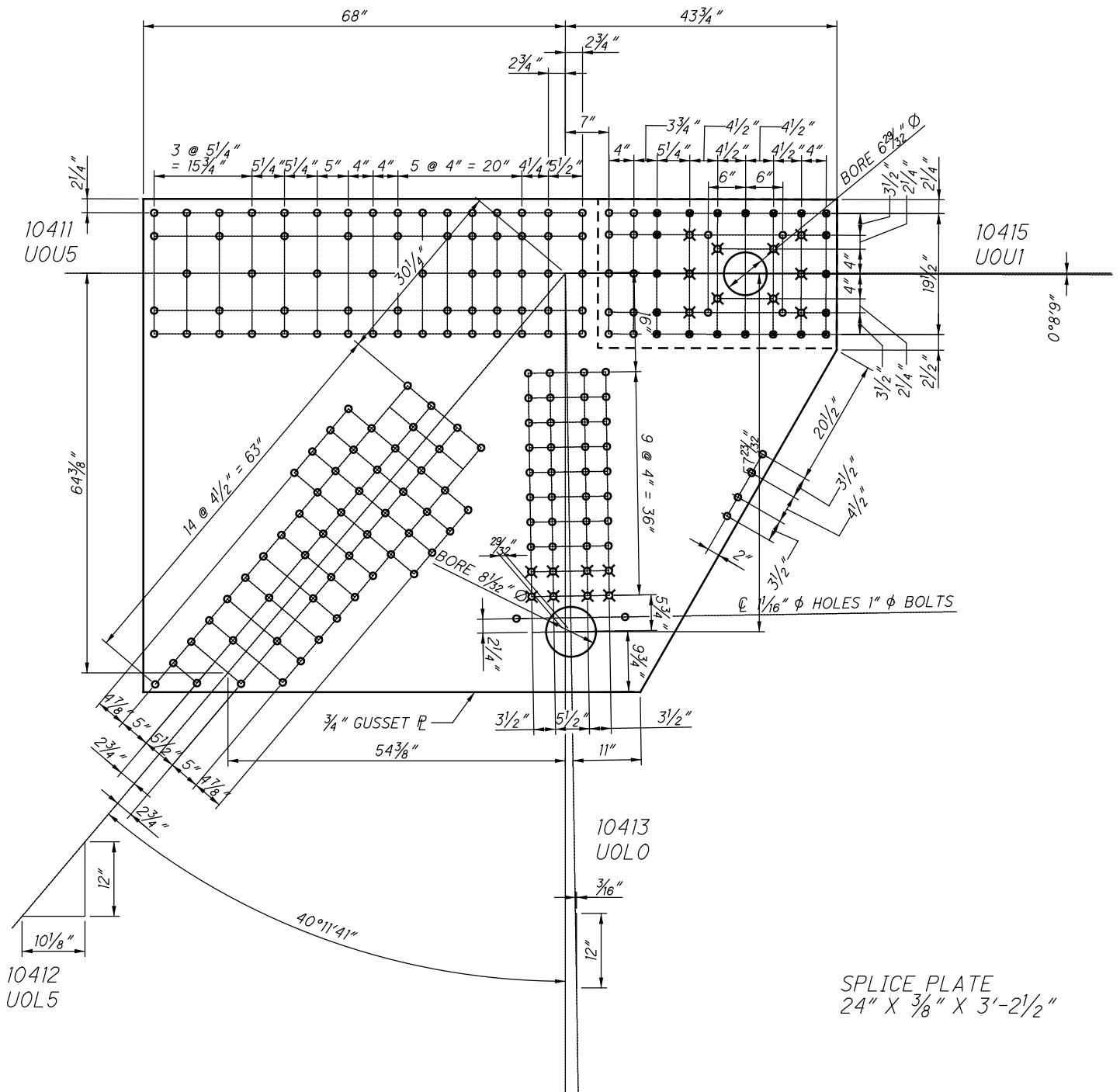
**U40 INSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



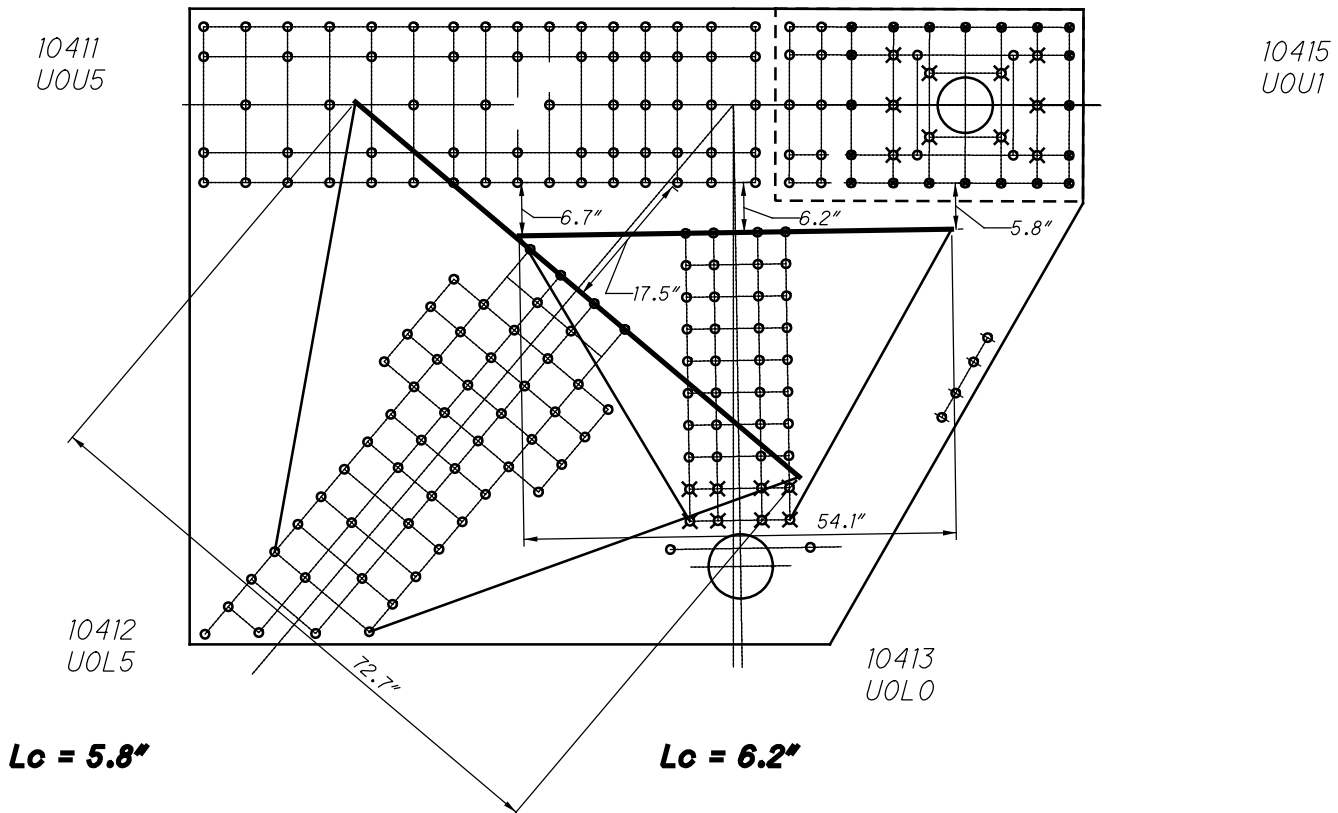
**U40 INSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



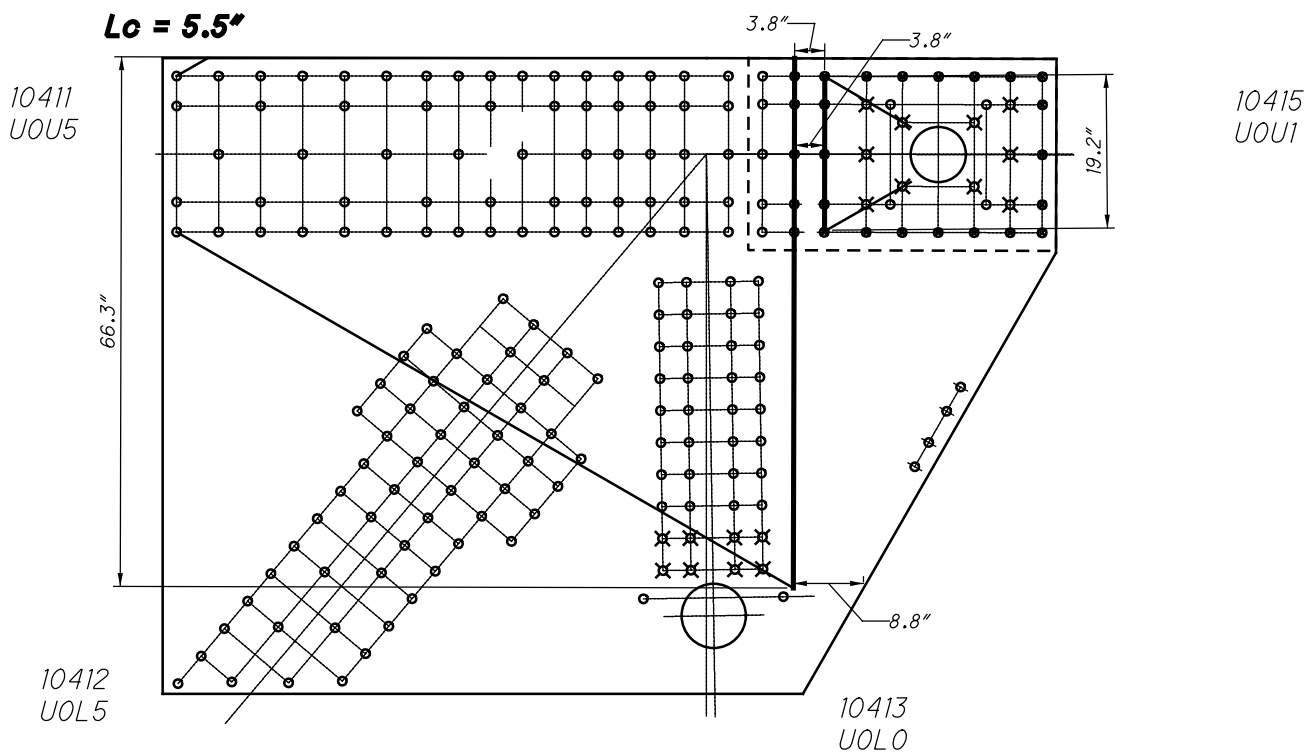
**U40 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**



**U41 INSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**



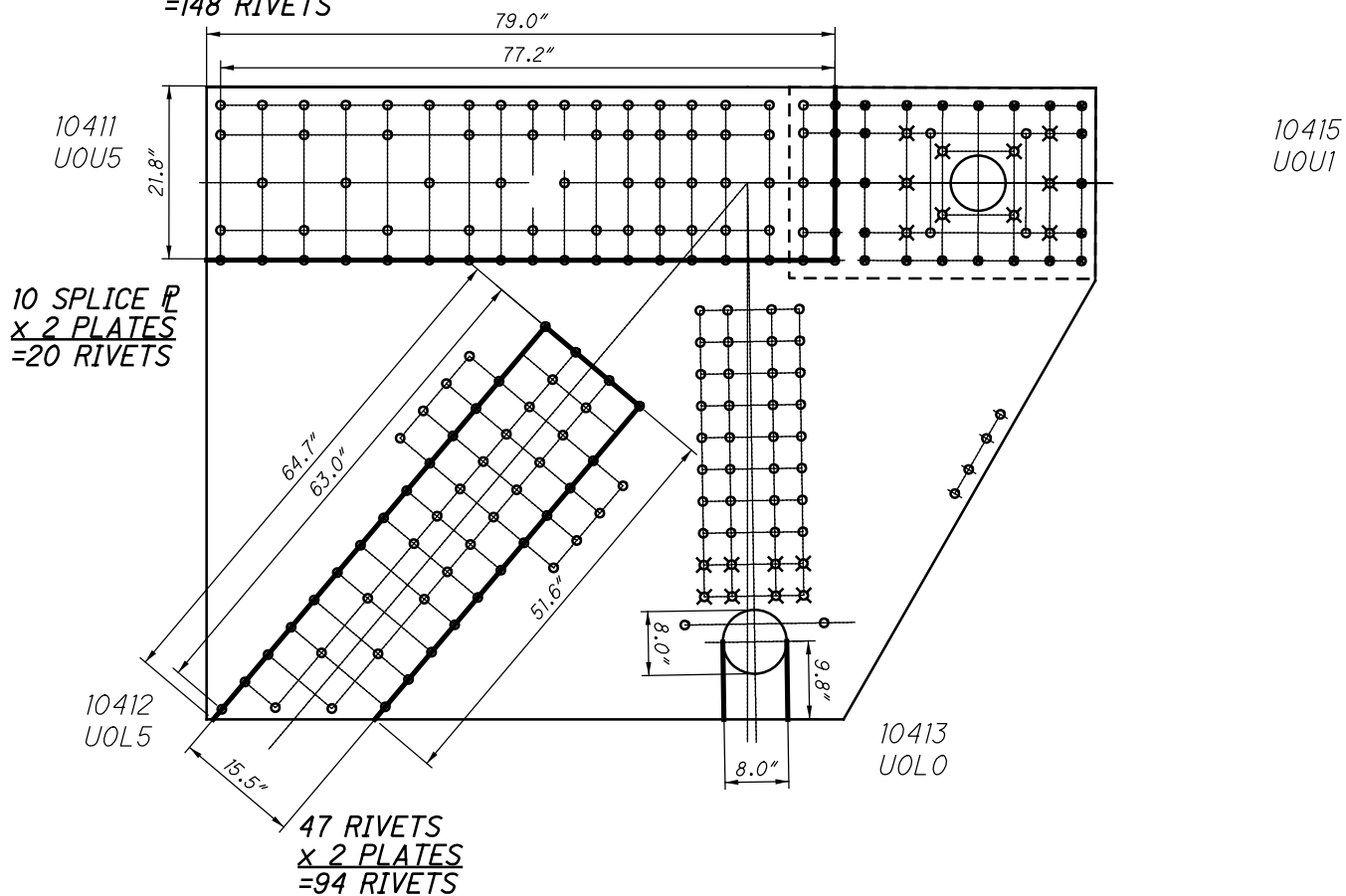
**U41 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



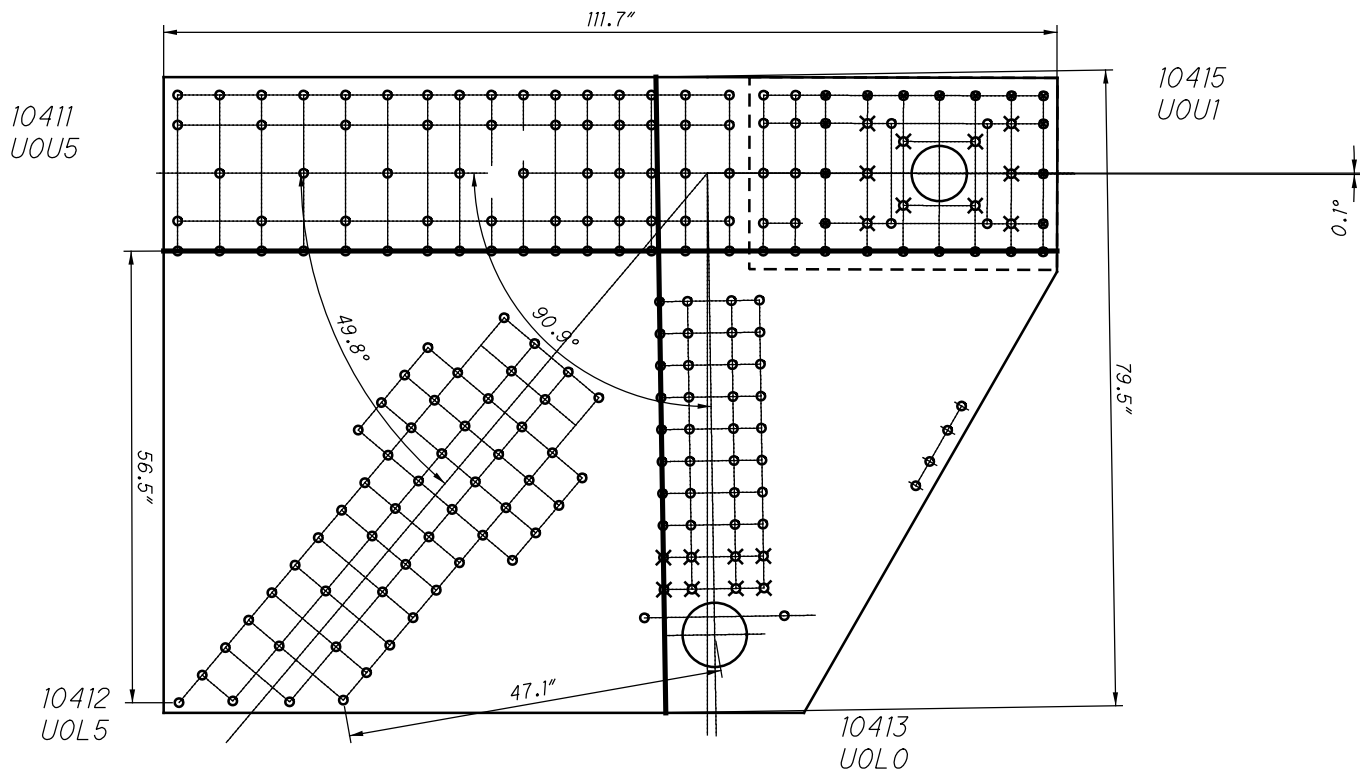
**U41 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

74 RIVETS
x 2 PLATES
=148 RIVETS

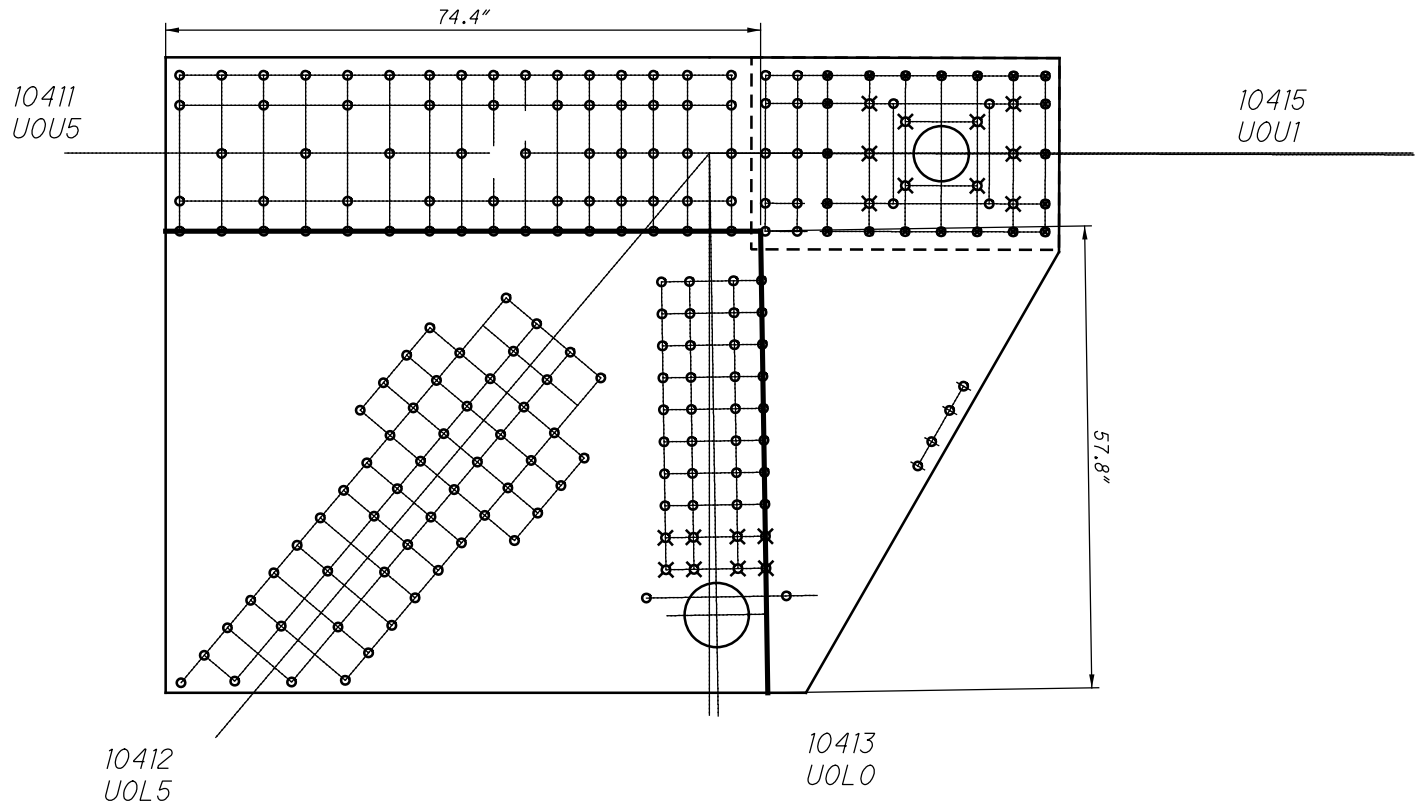
21041 AND 31041



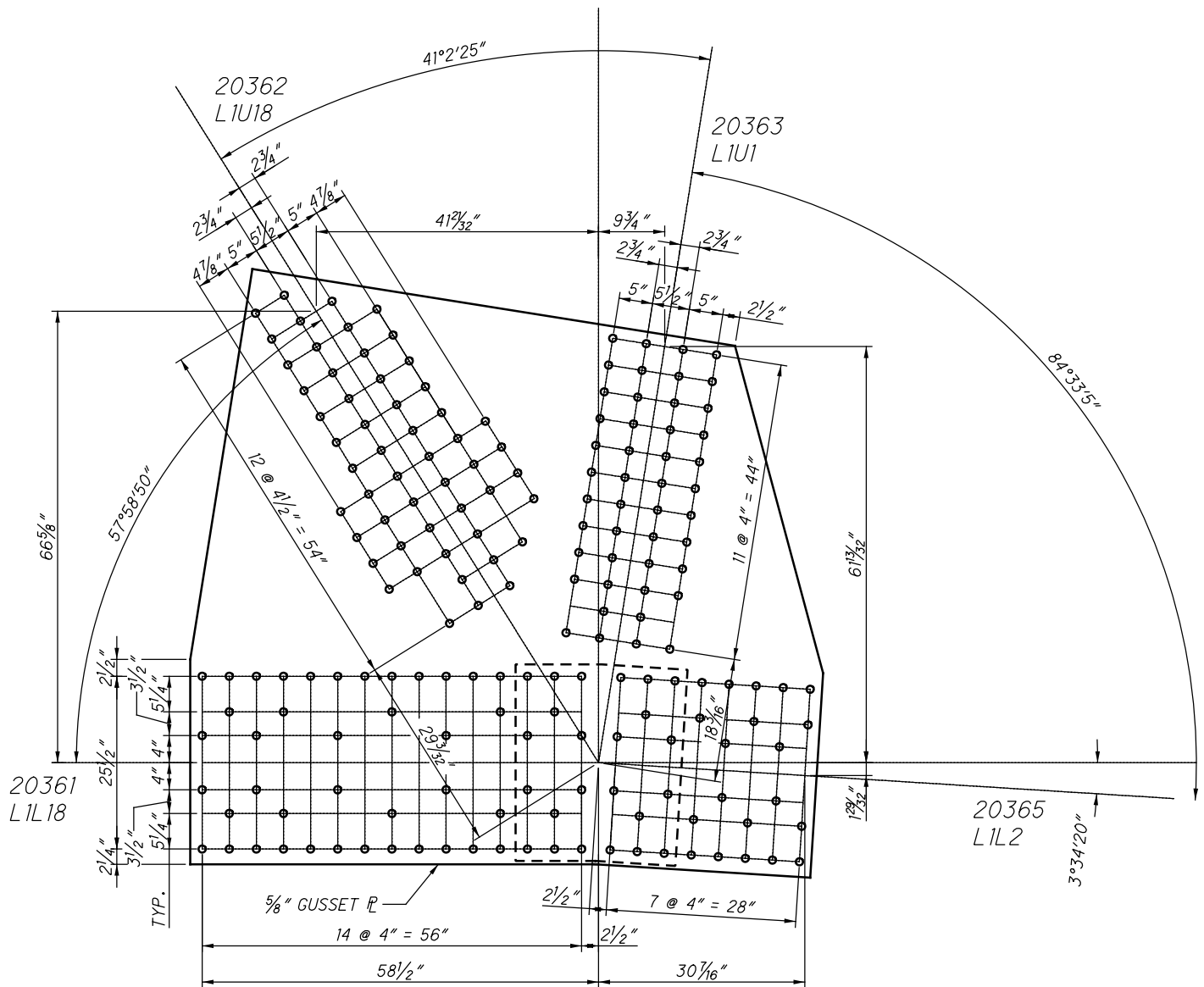
**U41 INSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U41 INSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



**U41 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**

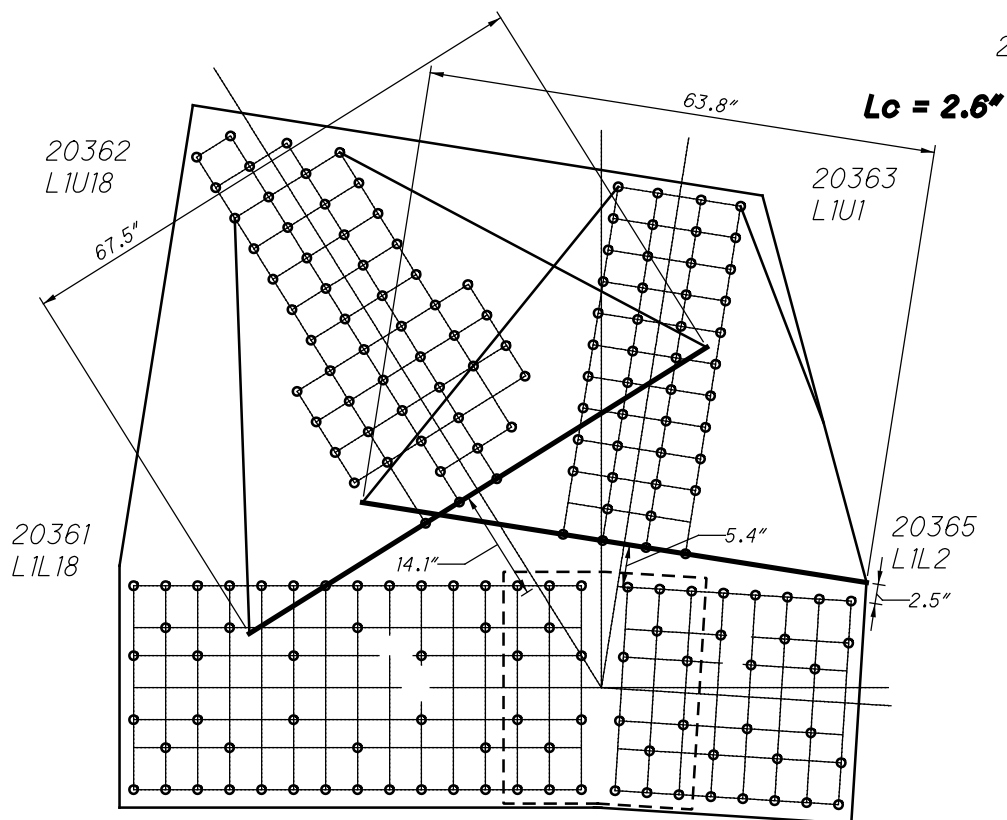


SPLICE PLATE
29" X $\frac{3}{8}''$ X 2'-1 $\frac{1}{4}''$

**L36 INSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

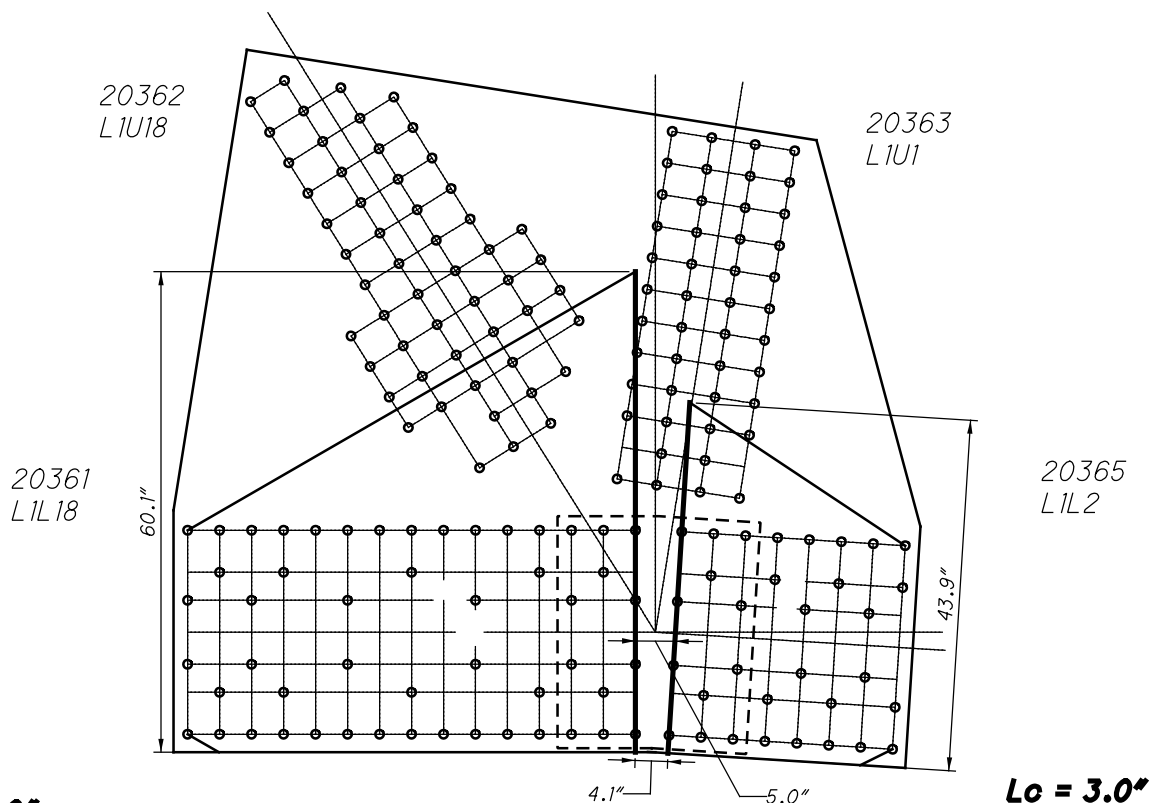
$L_c = 4.7''$

22036 AND 32036



**L36 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 3.0''$

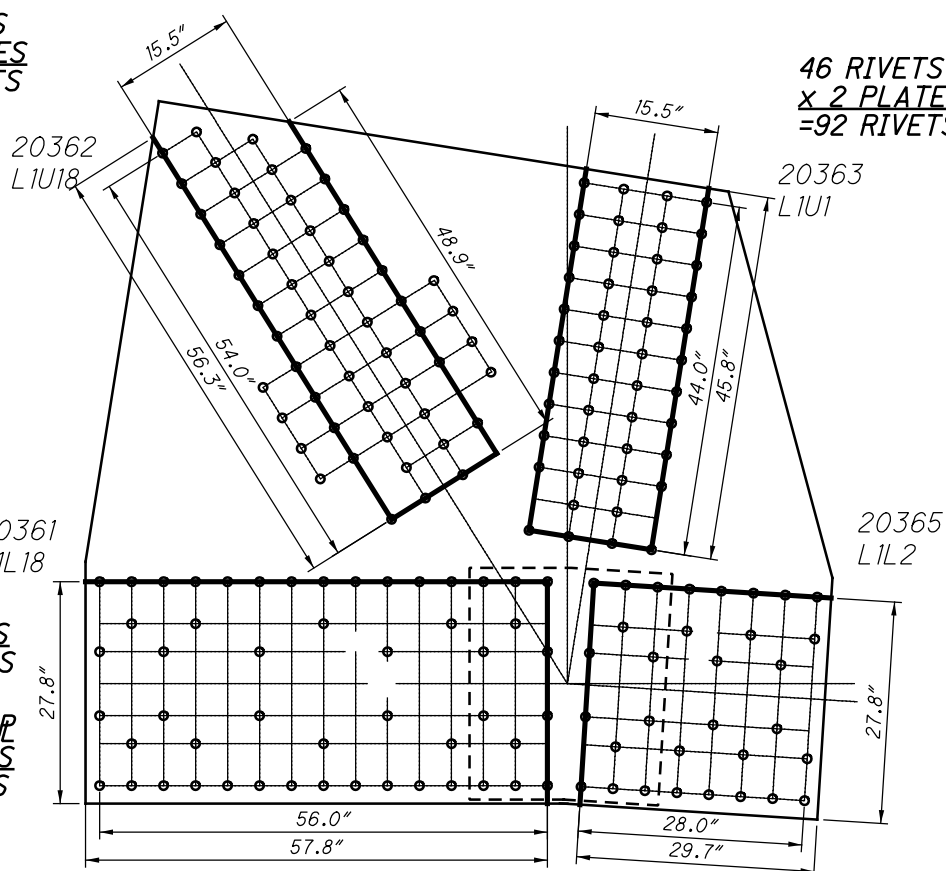


**L36 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

46 RIVETS
x 2 PLATES
=92 RIVETS

22036 AND 32036

46 RIVETS
x 2 PLATES
=92 RIVETS



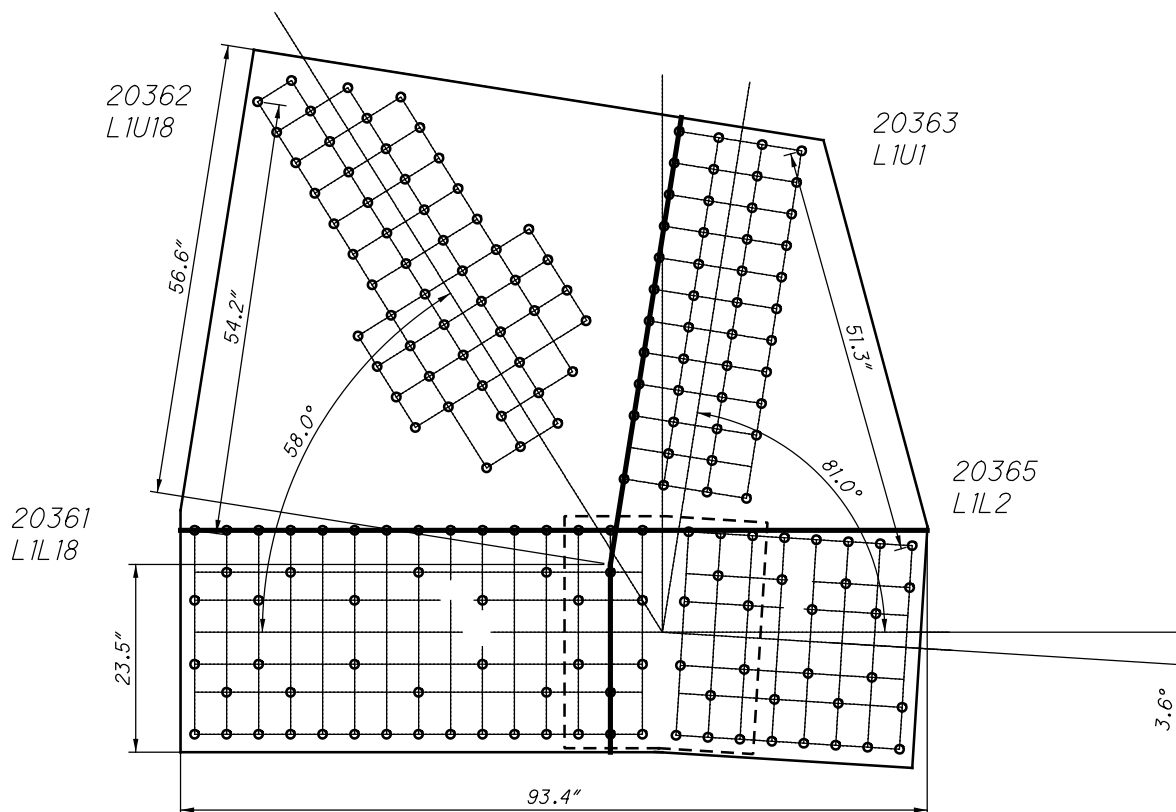
52 RIVETS
x 2 PLATES
=104 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

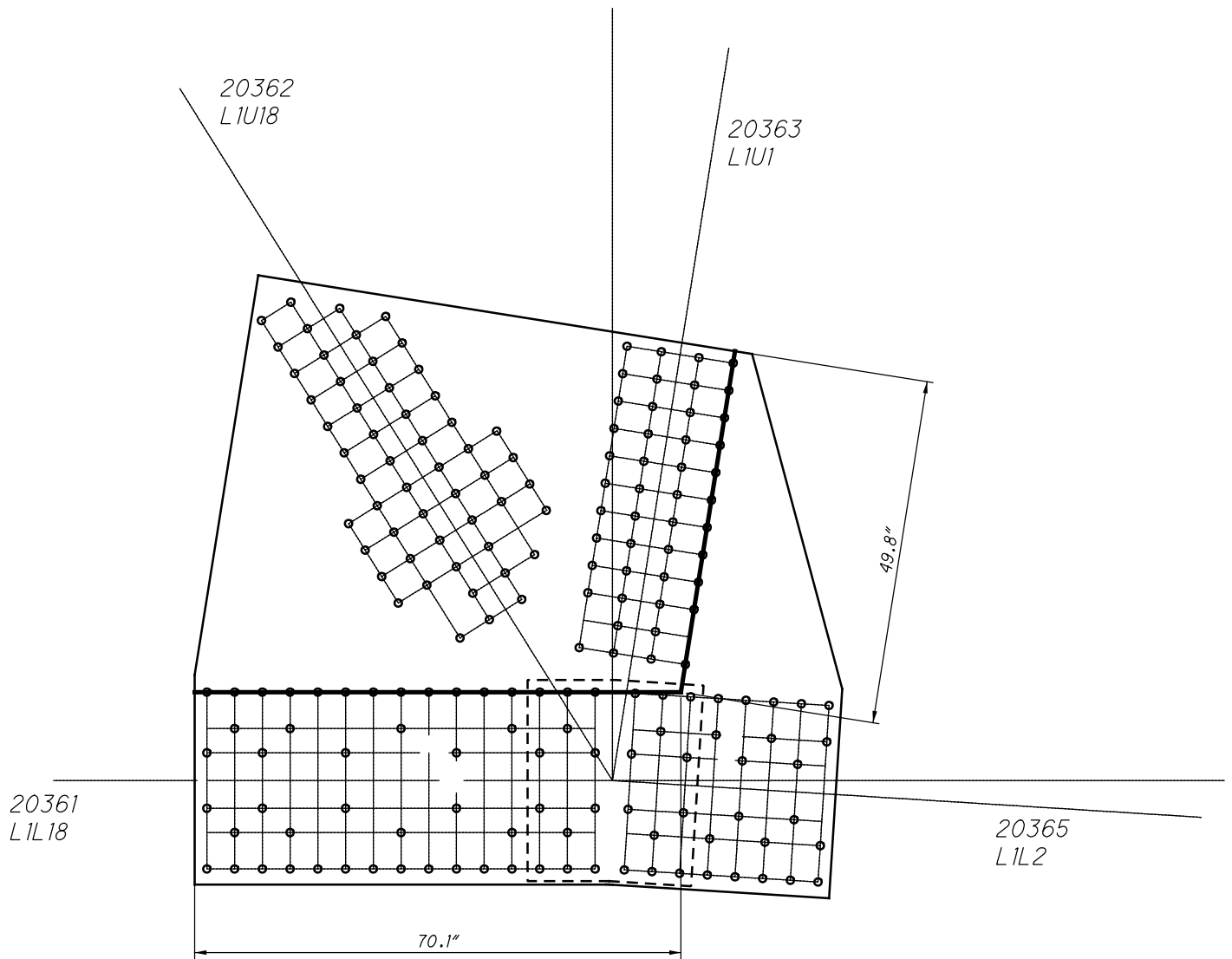
32 RIVETS
x 2 PLATES
=64 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

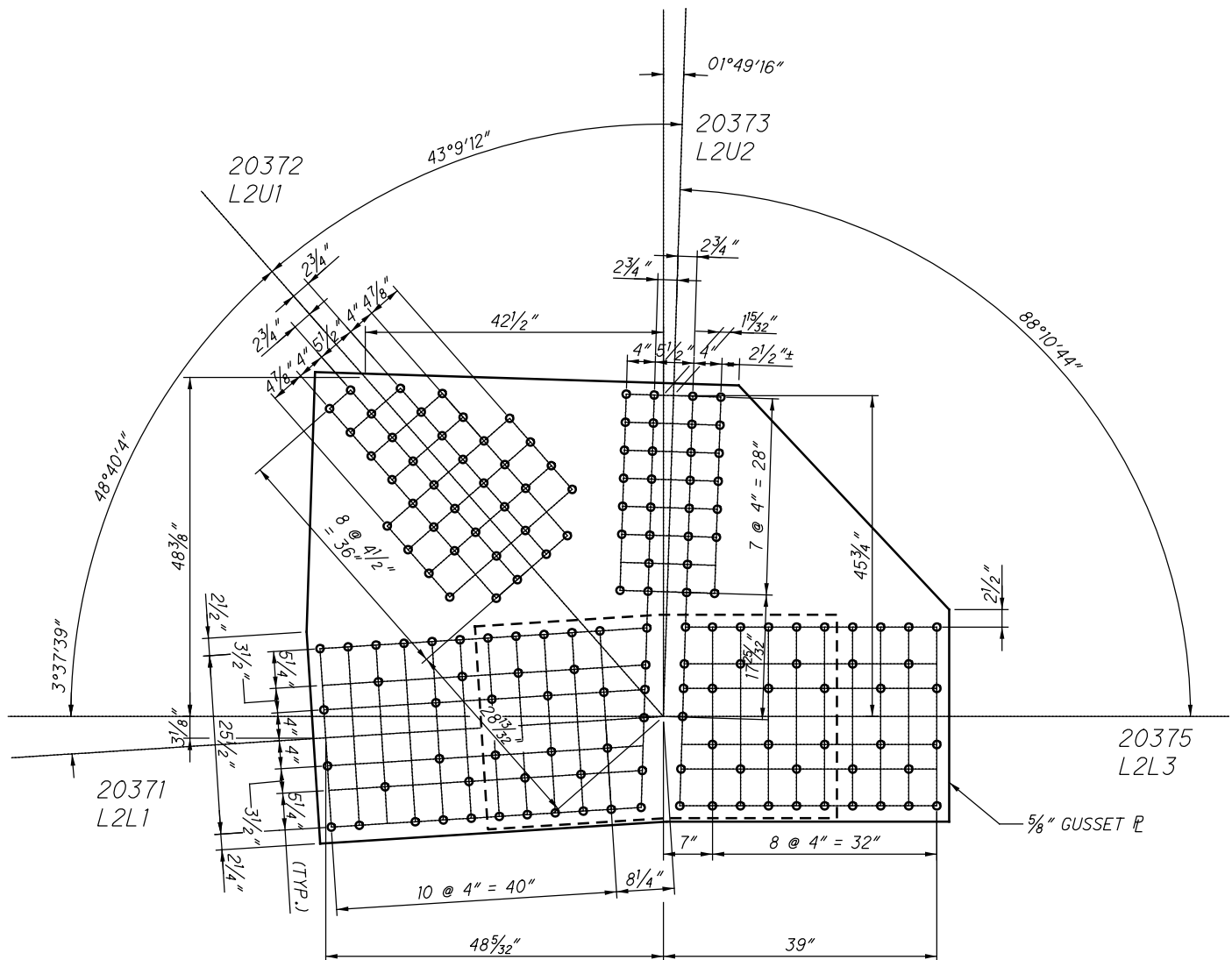
**L36 INSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L36 INSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



**L36 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**

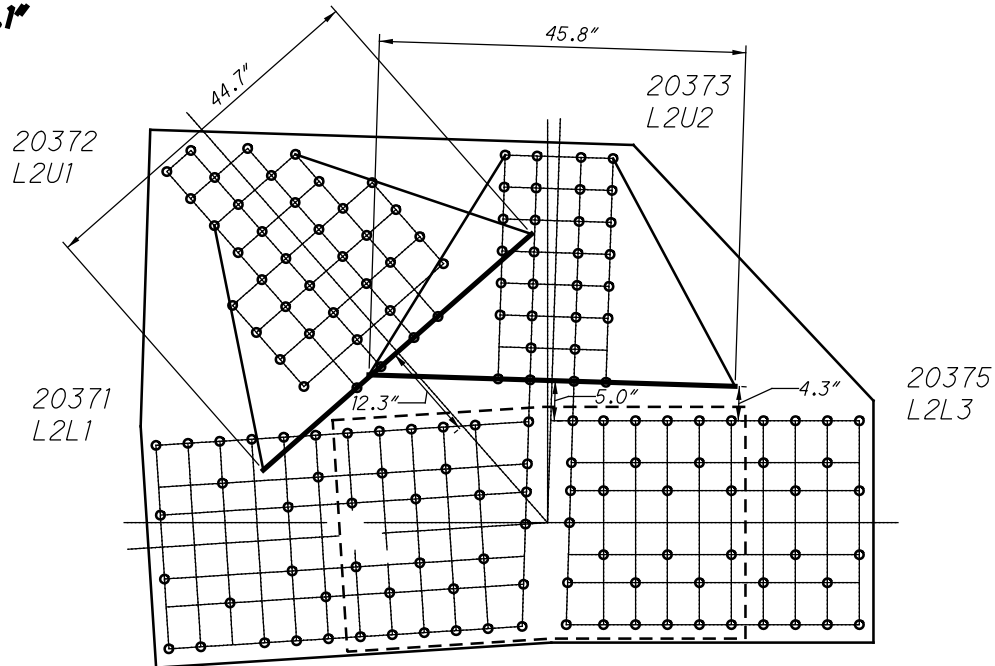


SPLICE PLATE
 $29\frac{1}{2}'' \times \frac{7}{16}'' \times 4'-3\frac{5}{8}''$

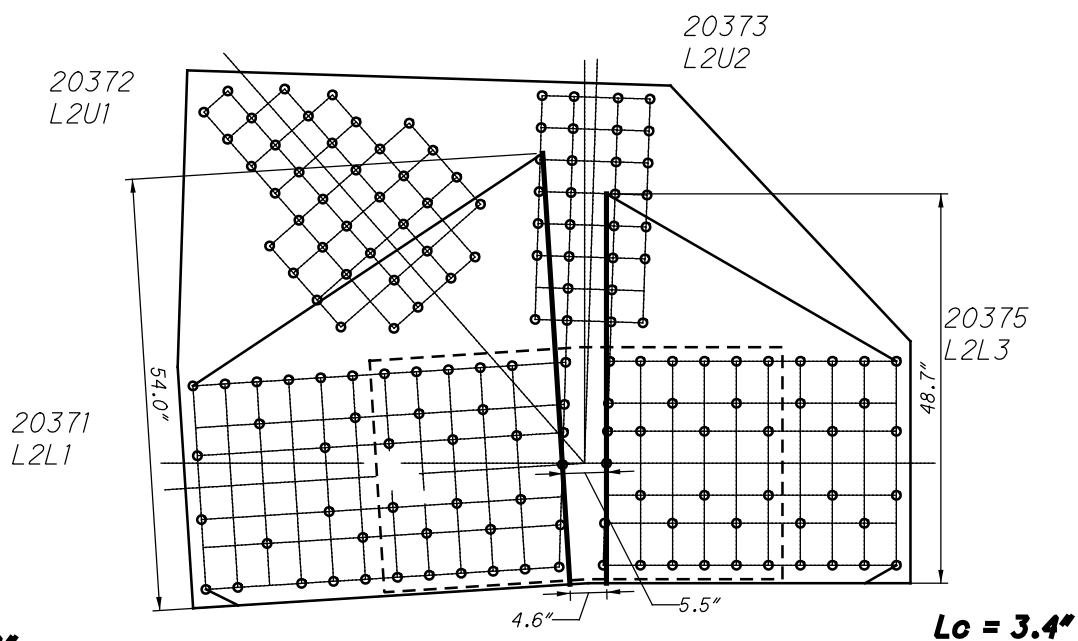
**L37 INSIDE (SPAN 9)
 (NEAR SIDE AND FAR SIDE)**

$L_c = 4.1''$

$L_c = 3.1''$



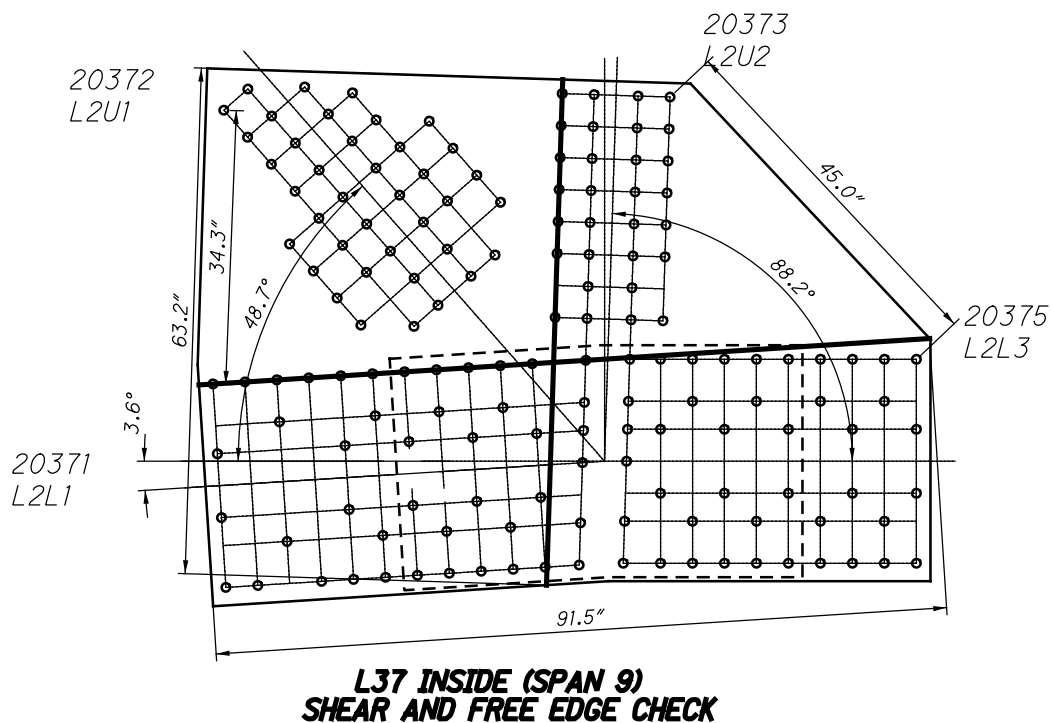
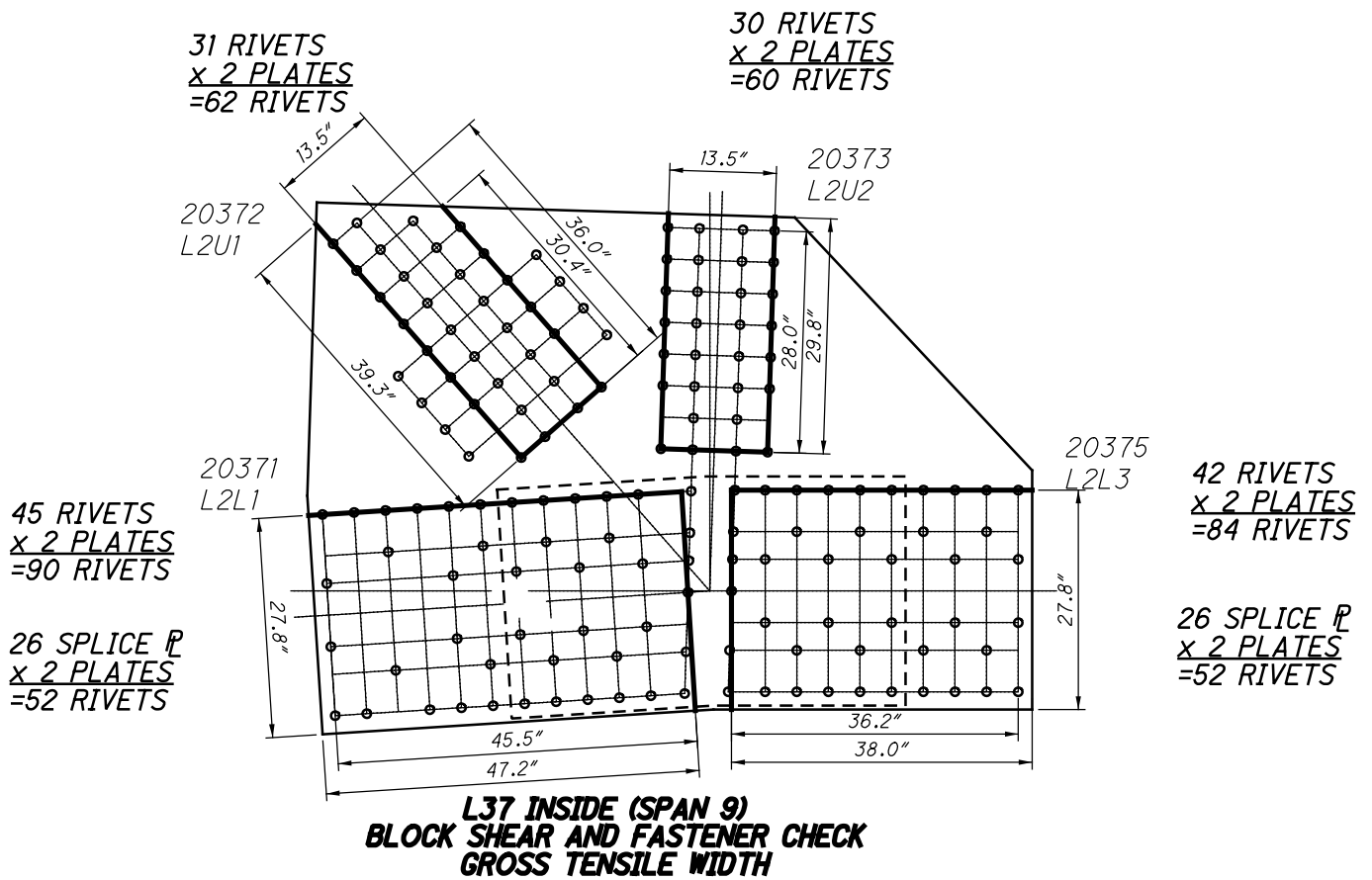
**L37 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

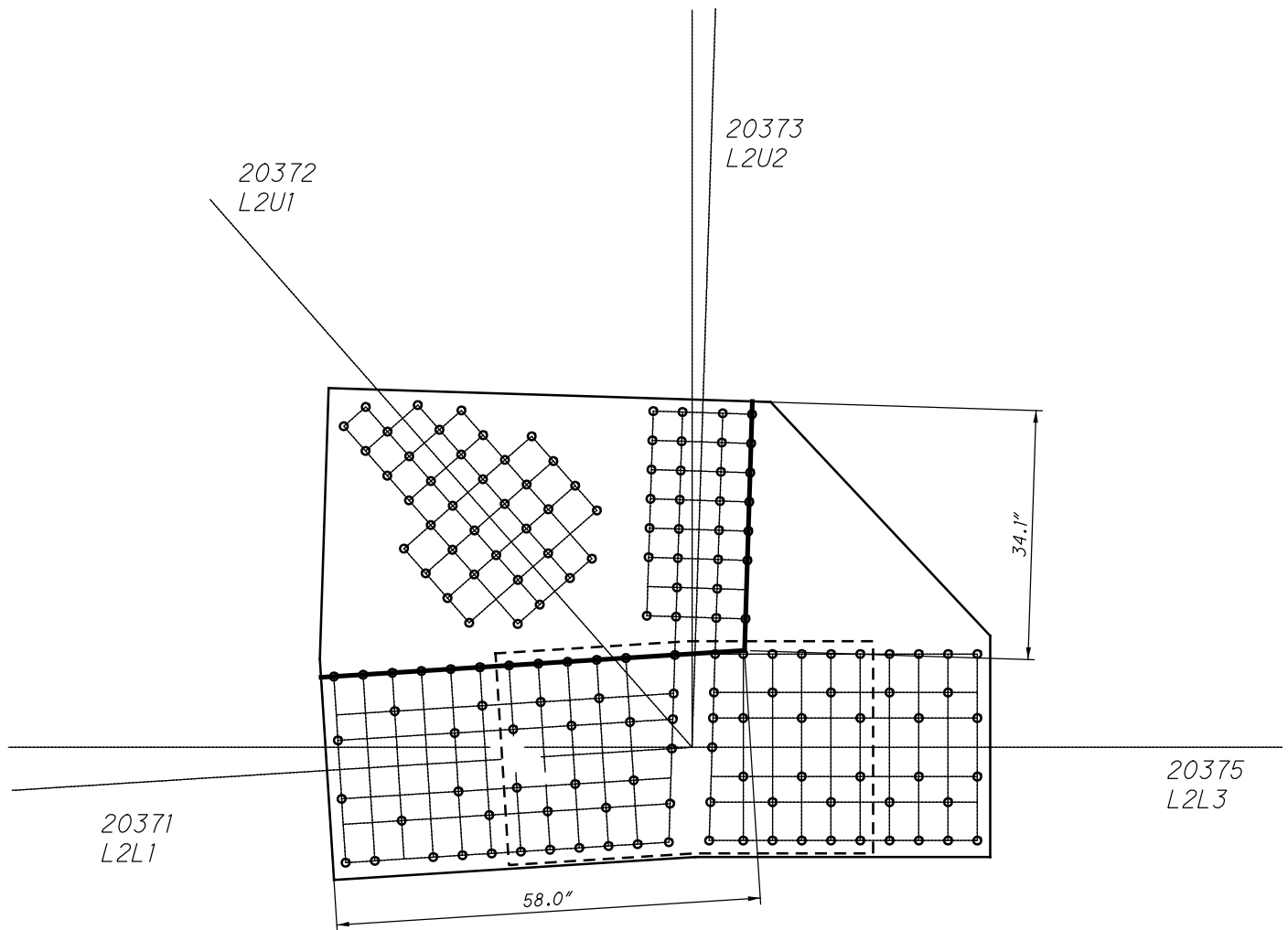


$L_c = 3.4''$

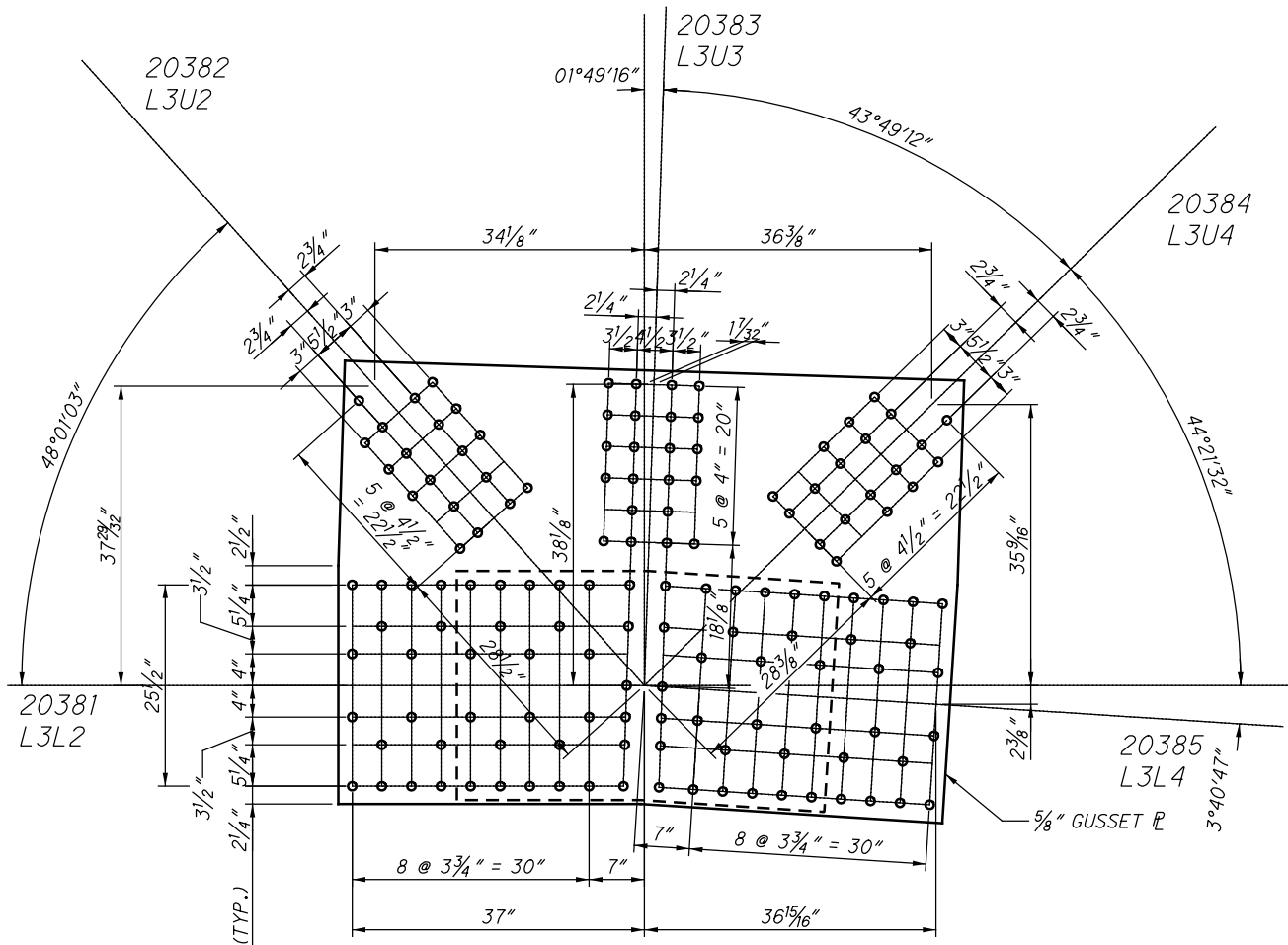
$L_c = 3.4''$

**L37 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



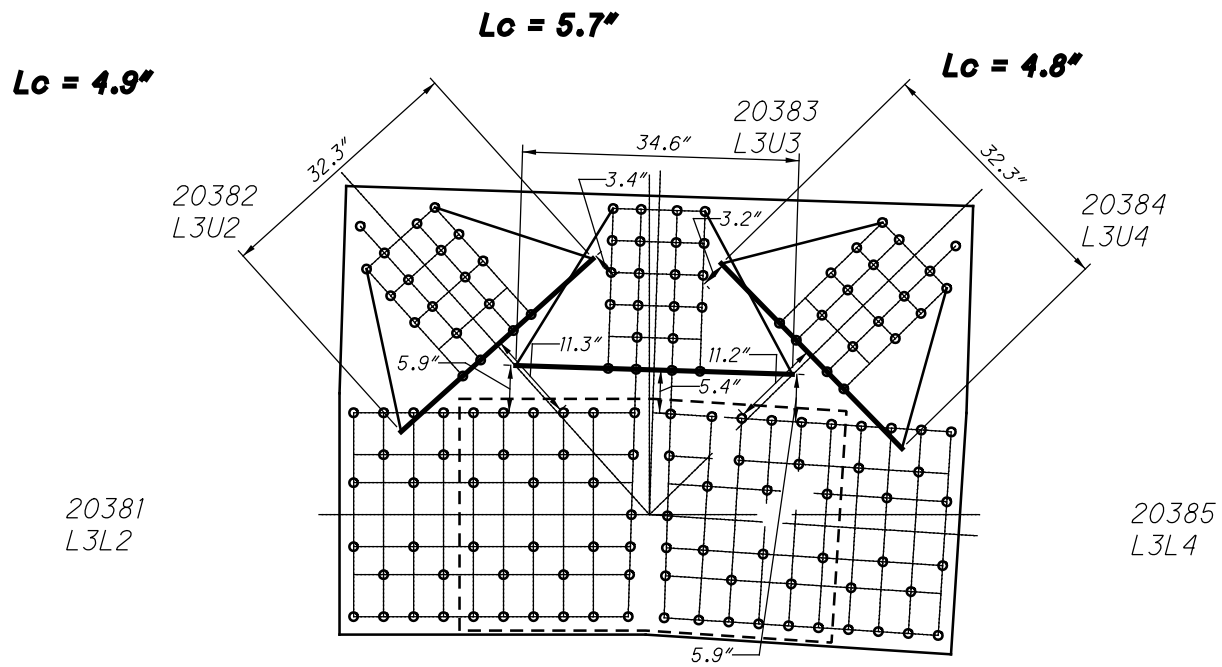


**L37 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**

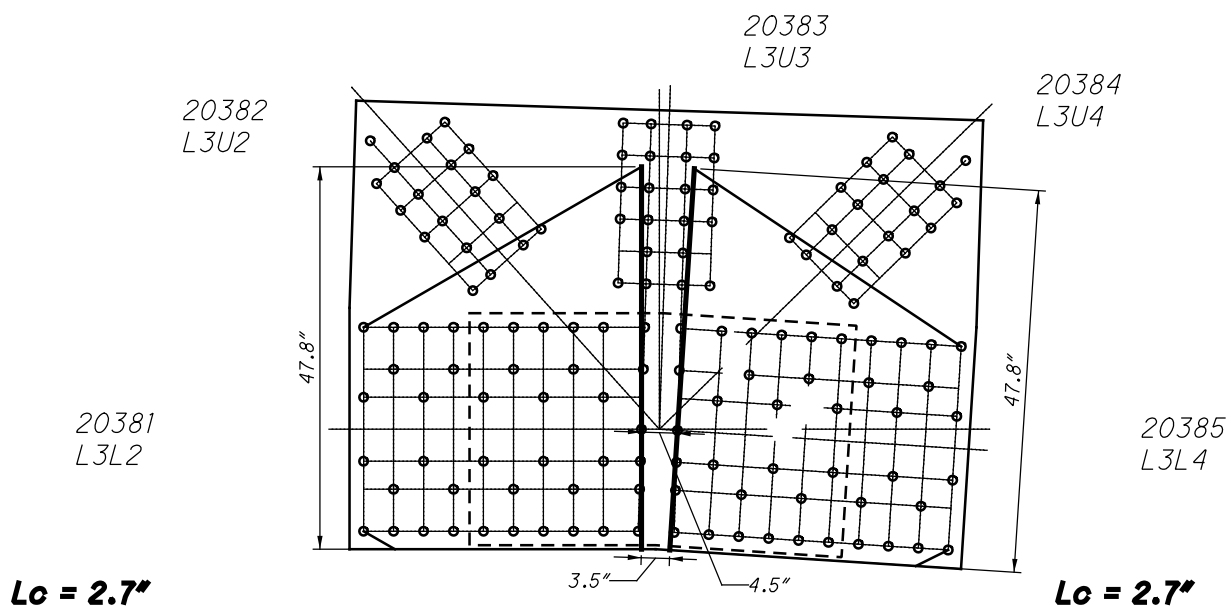


SPLICE PLATE
30" X 7/16" X 4'-0 1/2"

**L38 INSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**



**L38 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L38 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

19 RIVETS
x 2 PLATES
=38 RIVETS

22 RIVETS
x 2 PLATES
=44 RIVETS

19 RIVETS
x 2 PLATES
=38 RIVETS

42 RIVETS
x 2 PLATES
=84 RIVETS

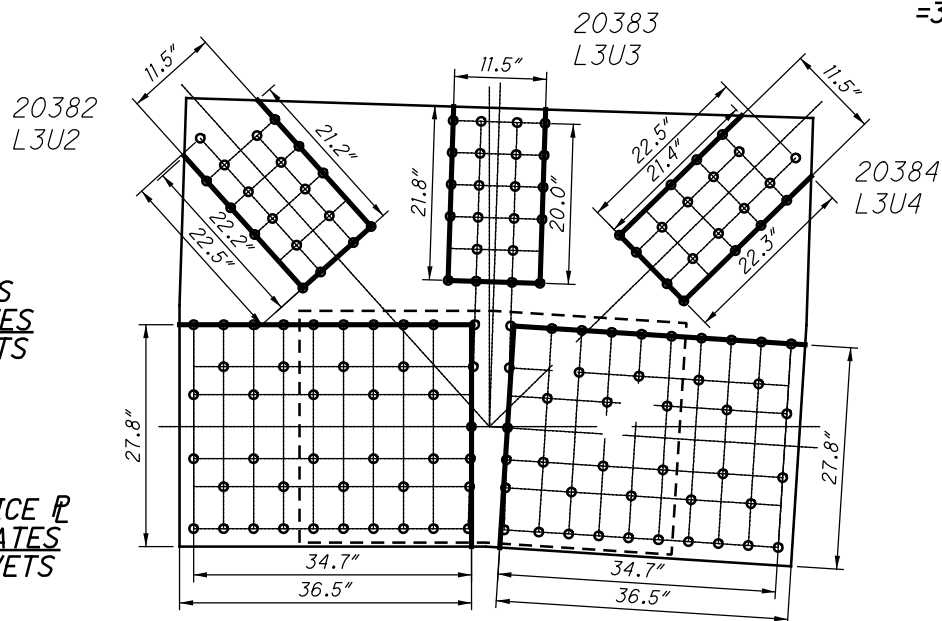
42 RIVETS
x 2 PLATES
=84 RIVETS

20381
L3L2

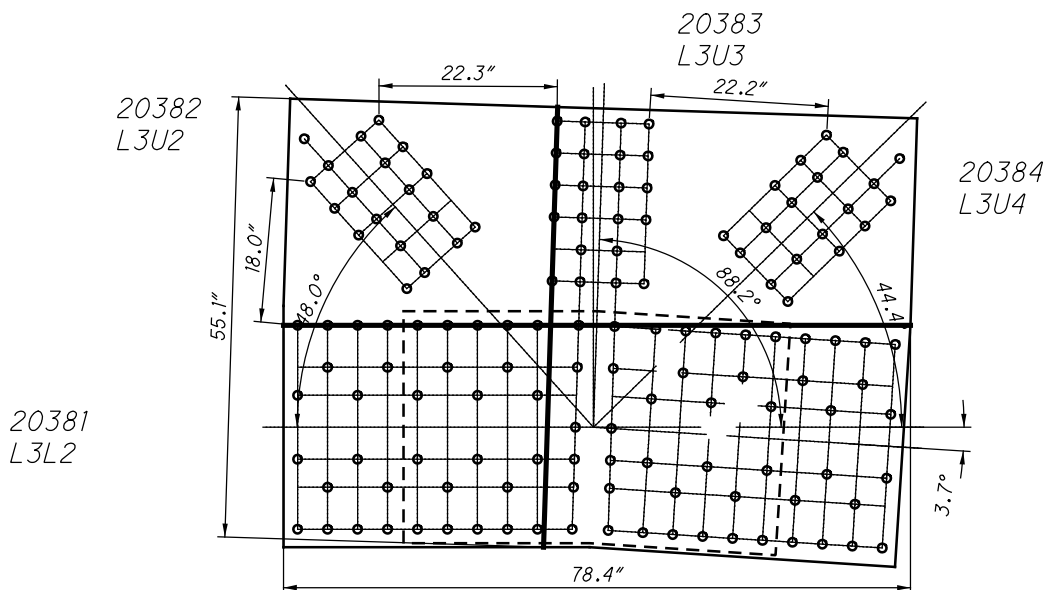
20385
L3L4

26 SPLICE P
x 2 PLATES
=52 RIVETS

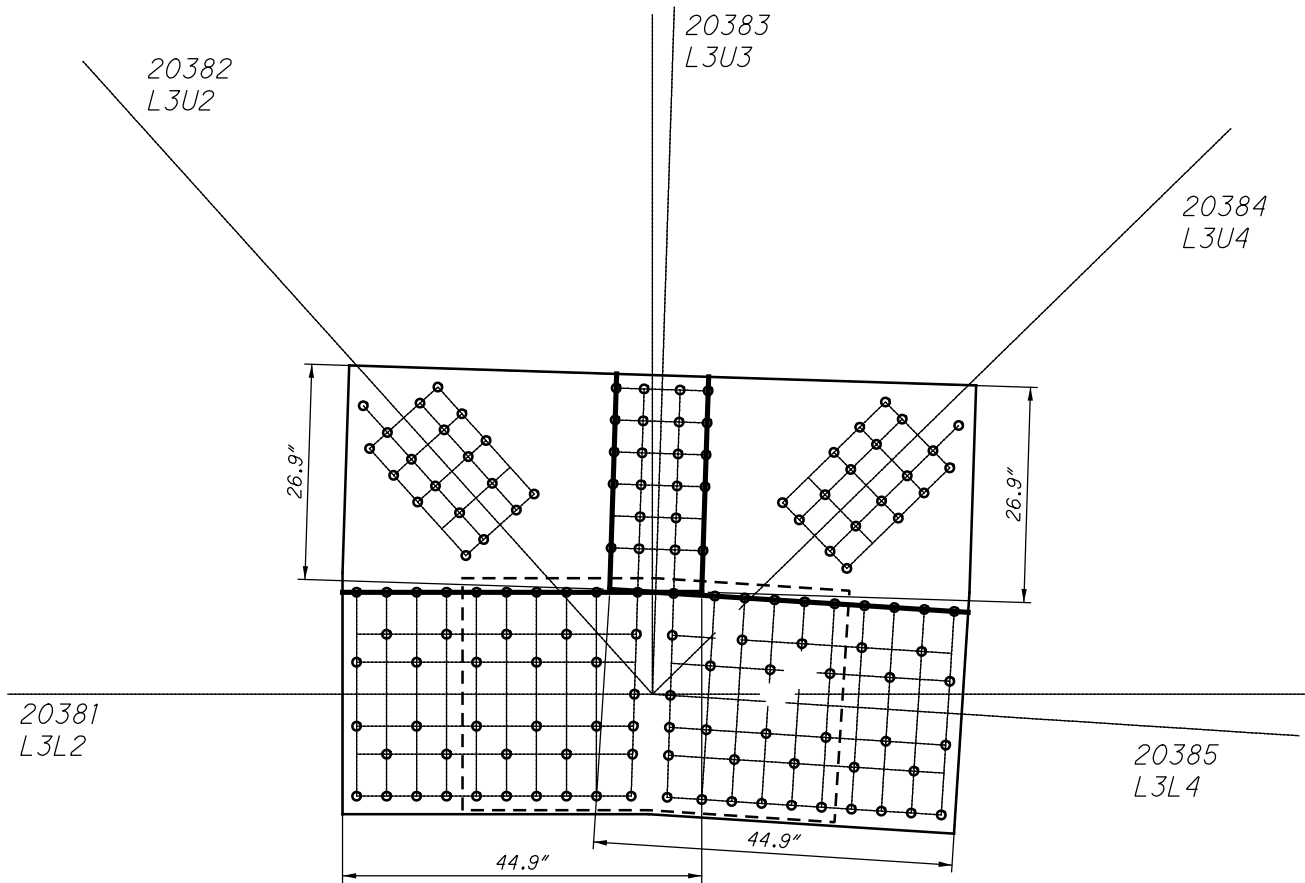
26 SPLICE P
x 2 PLATES
=52 RIVETS



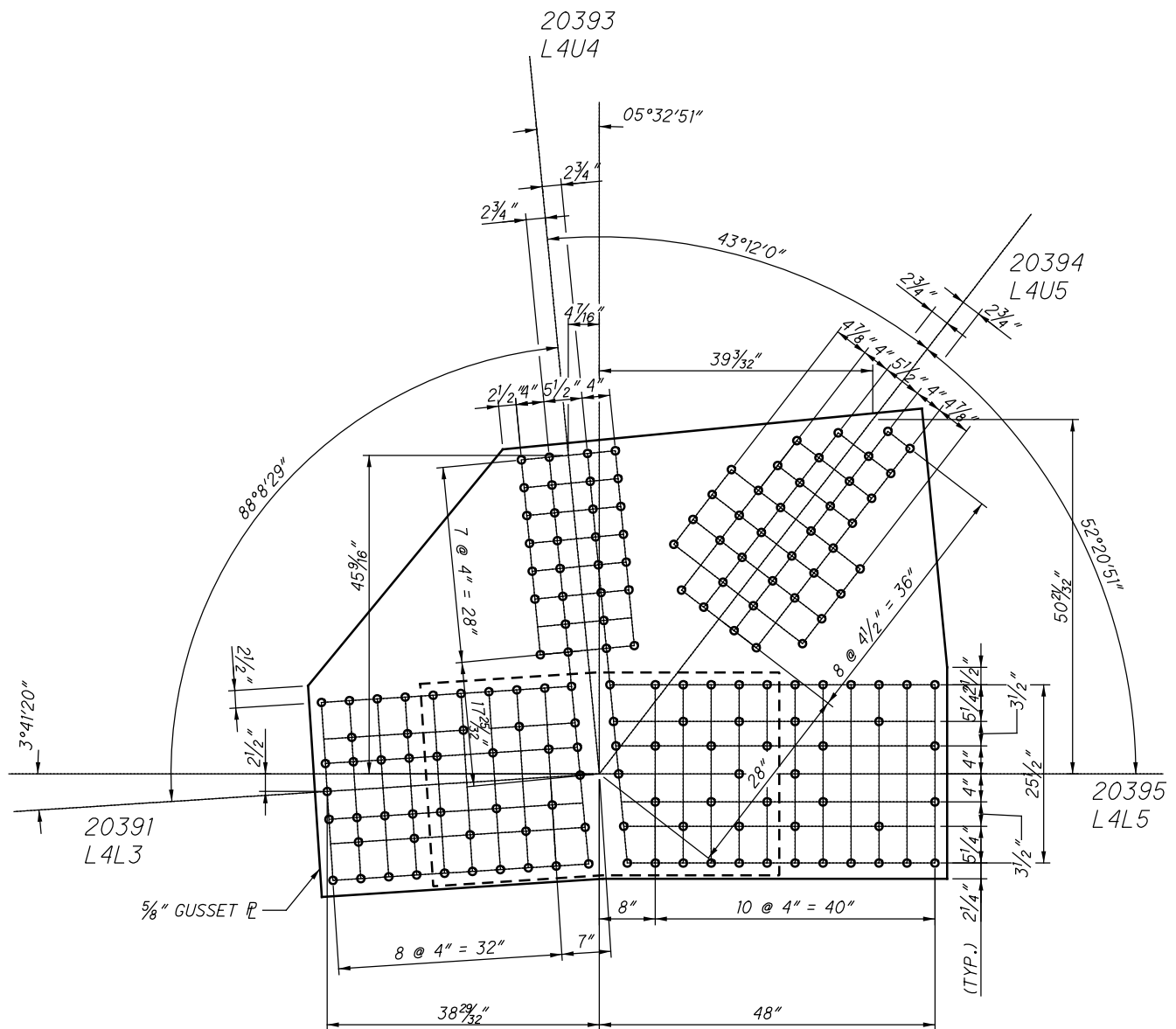
**L38 INSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L38 INSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**

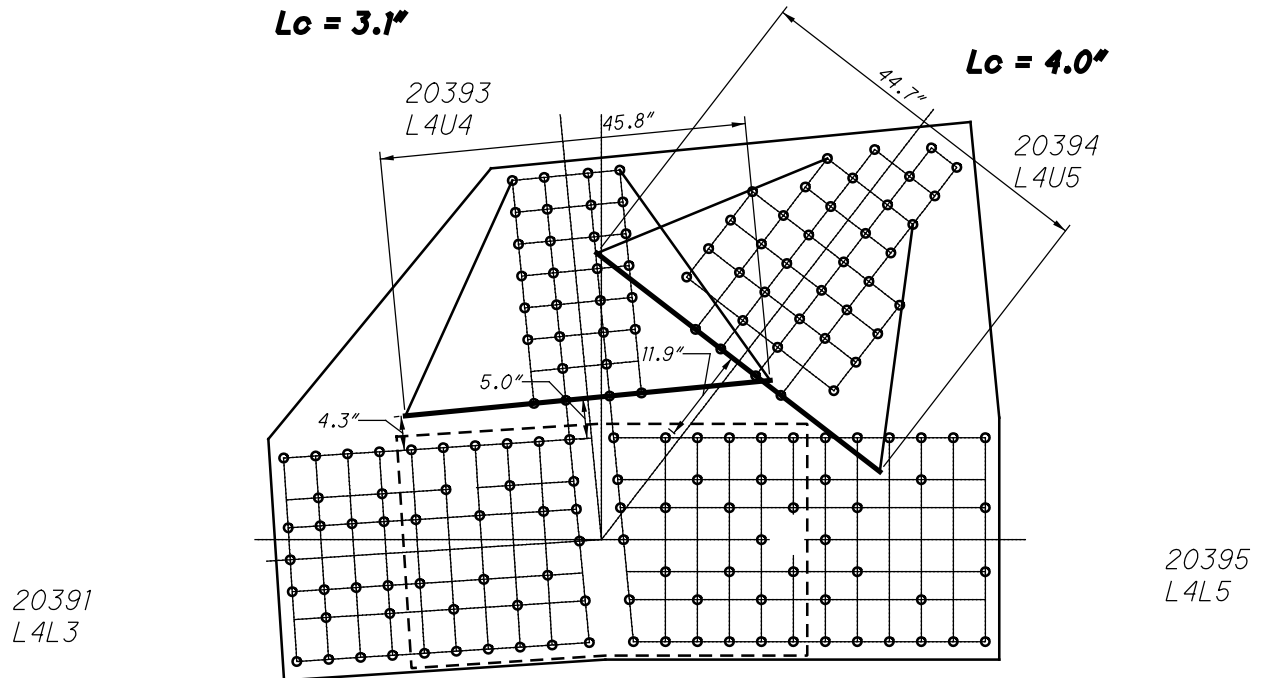


**L38 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**

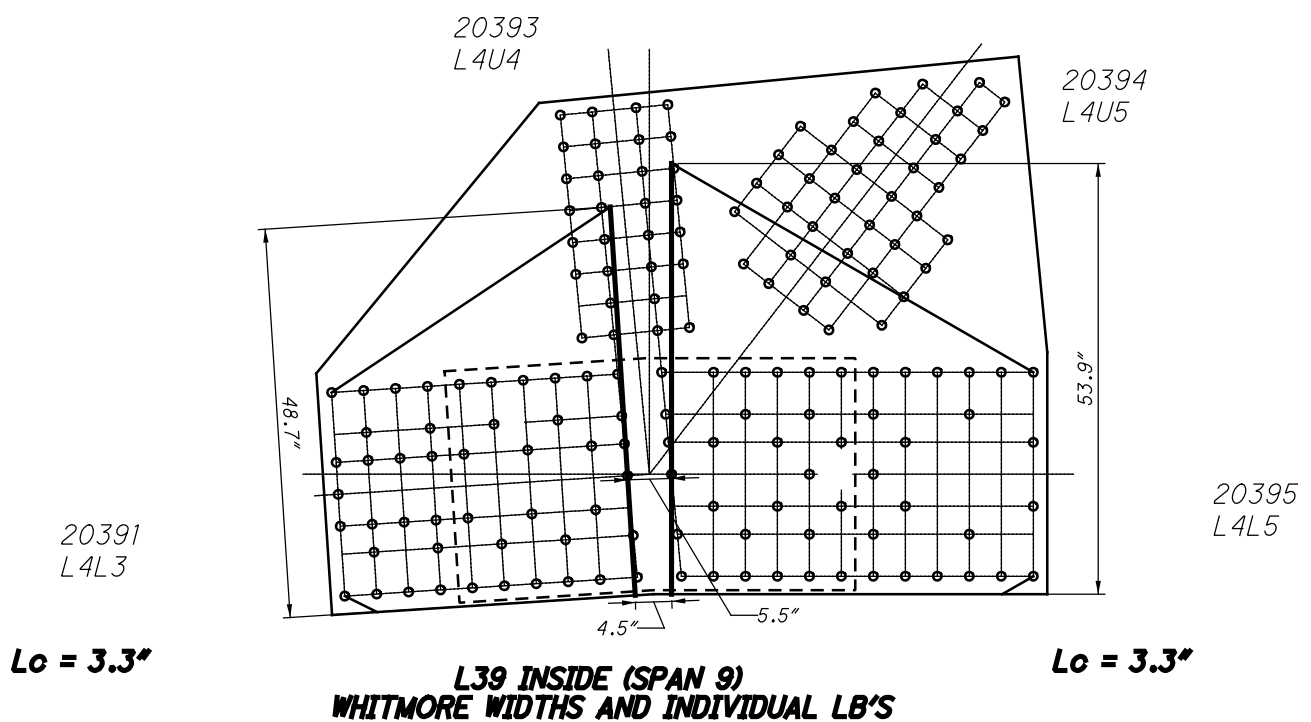


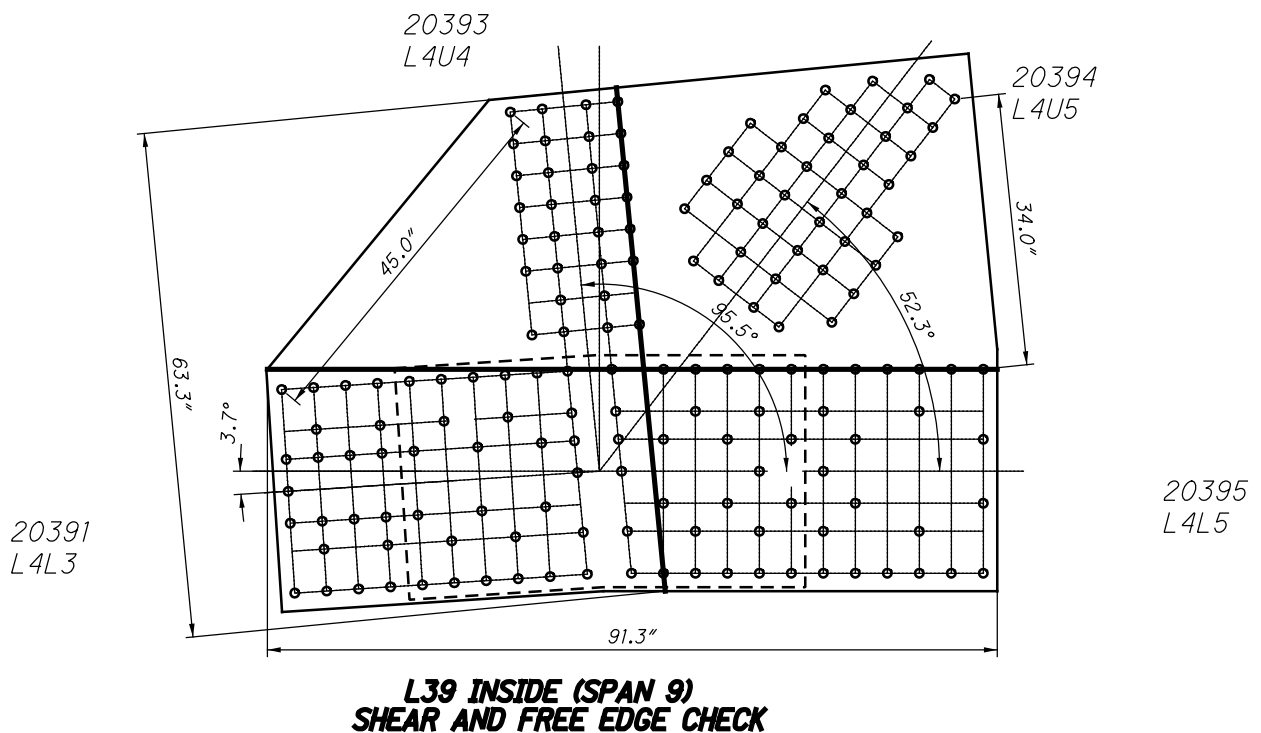
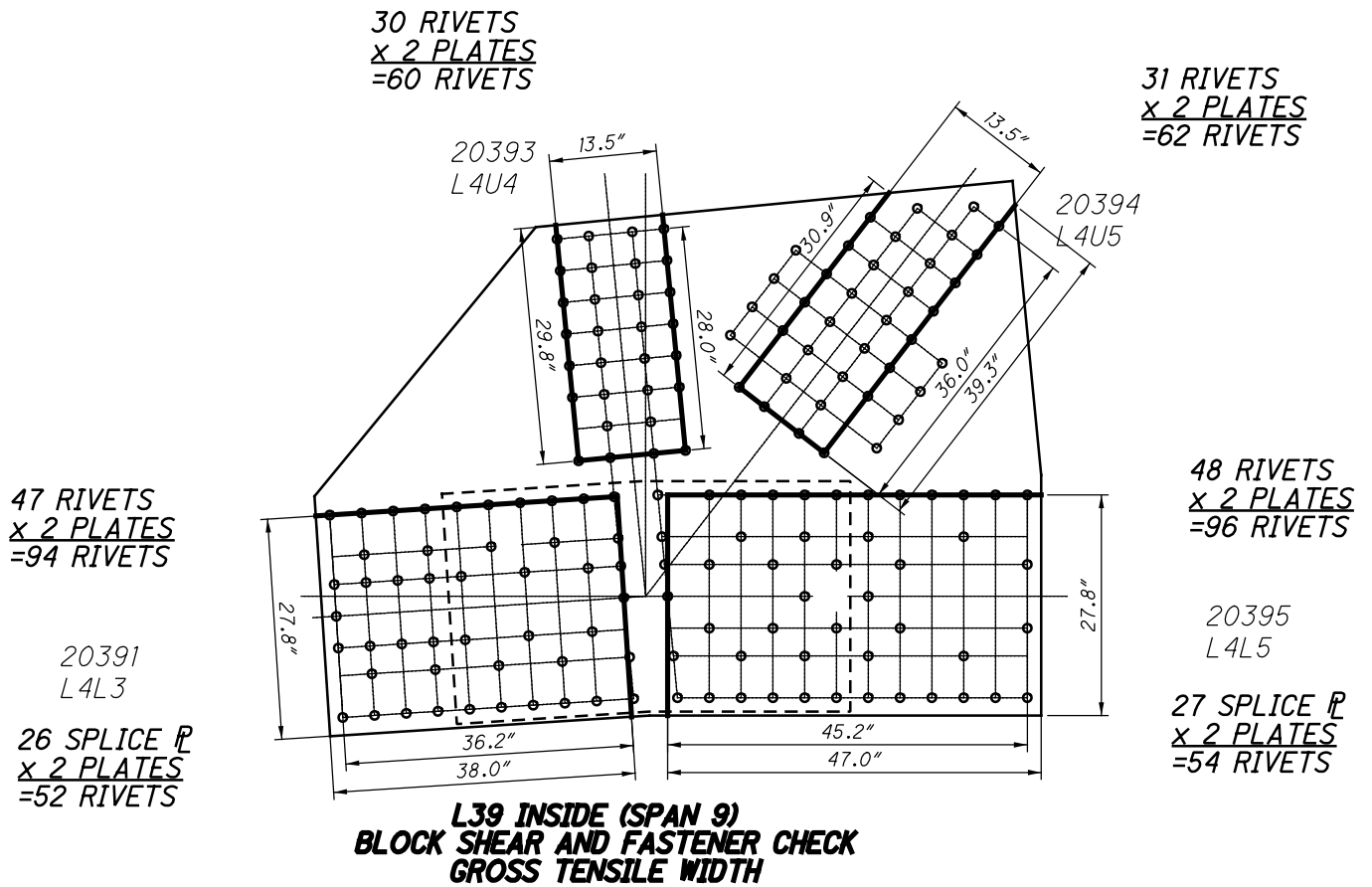
SPLICE PLATE
30" X 7/16" X 4'-3 1/2"

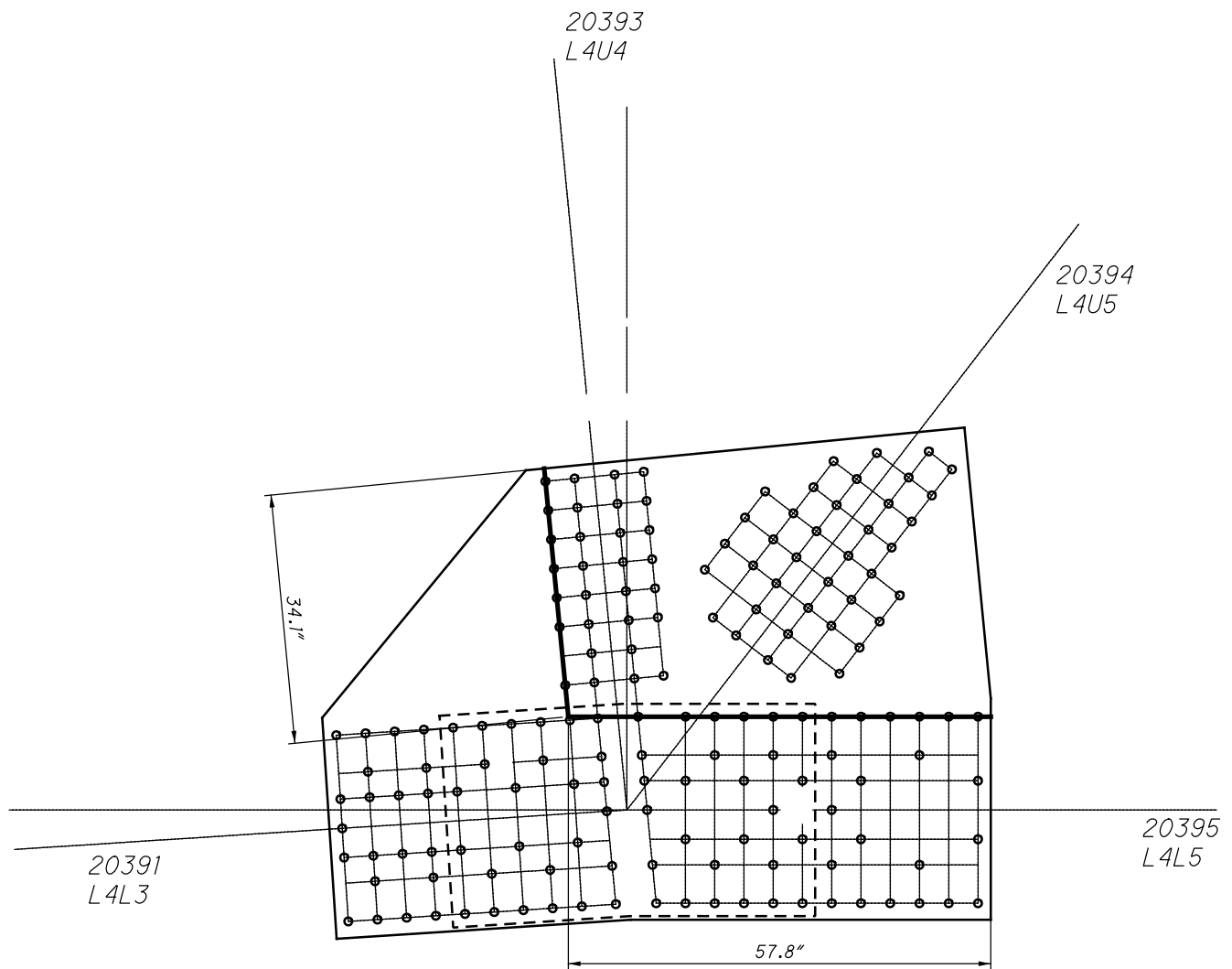
**L39 INSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**



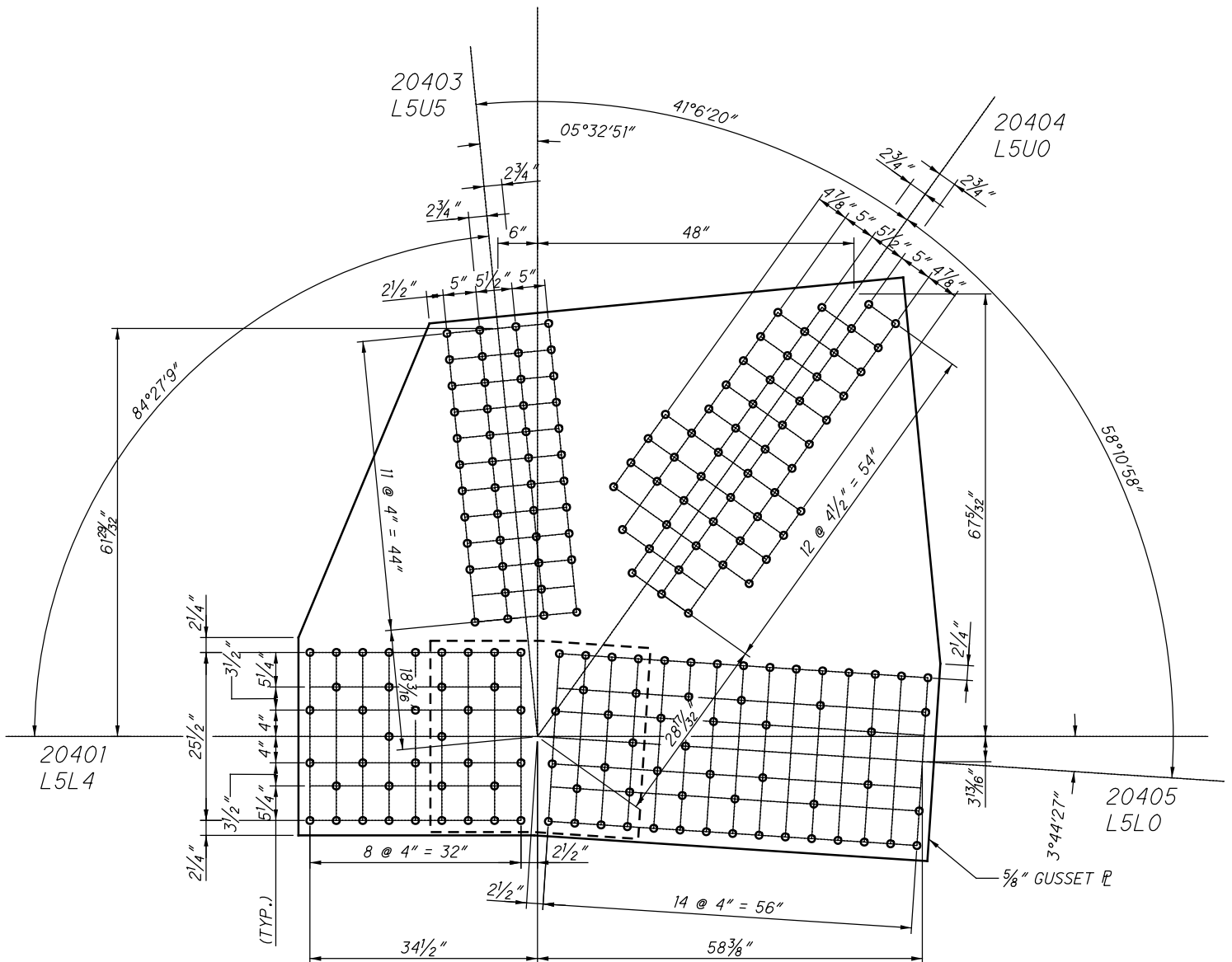
**L39 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**







**L39 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**

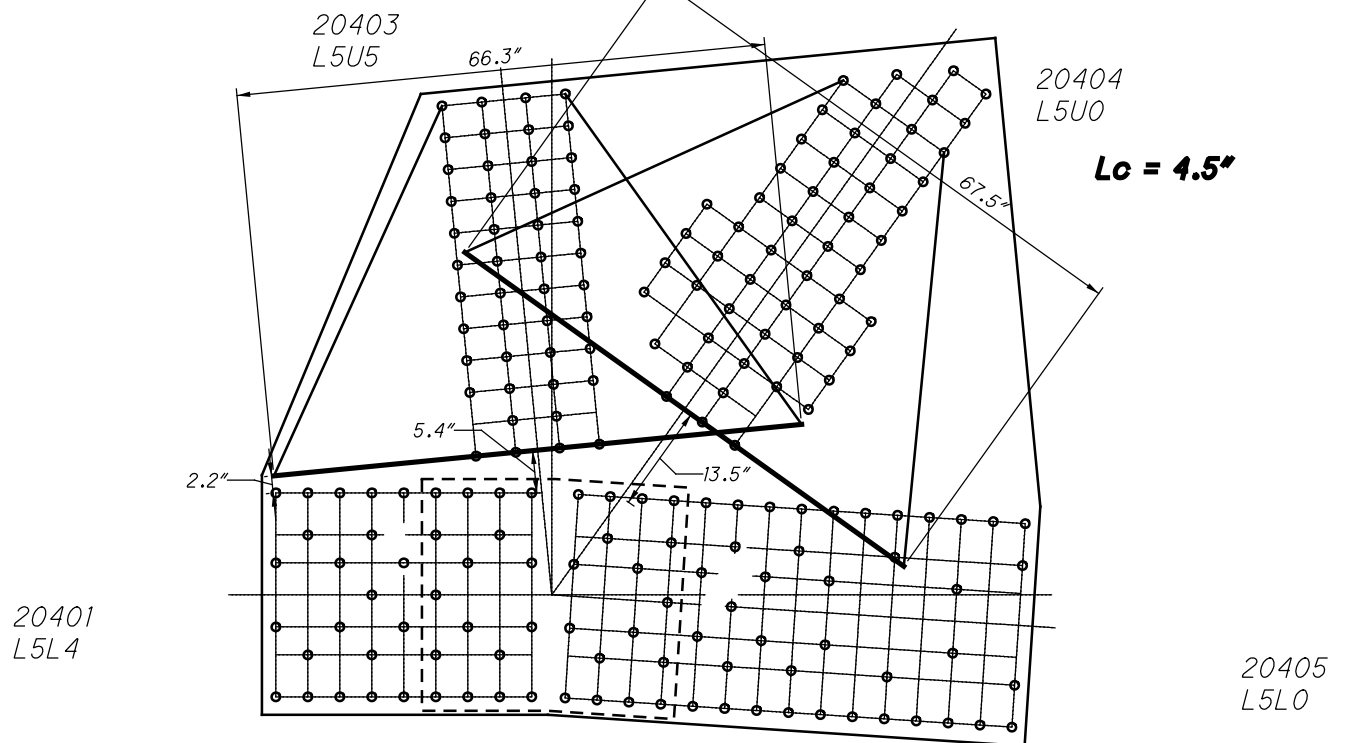


SPLICE PLATE
30" X 1/16" X 2'-9 1/2"

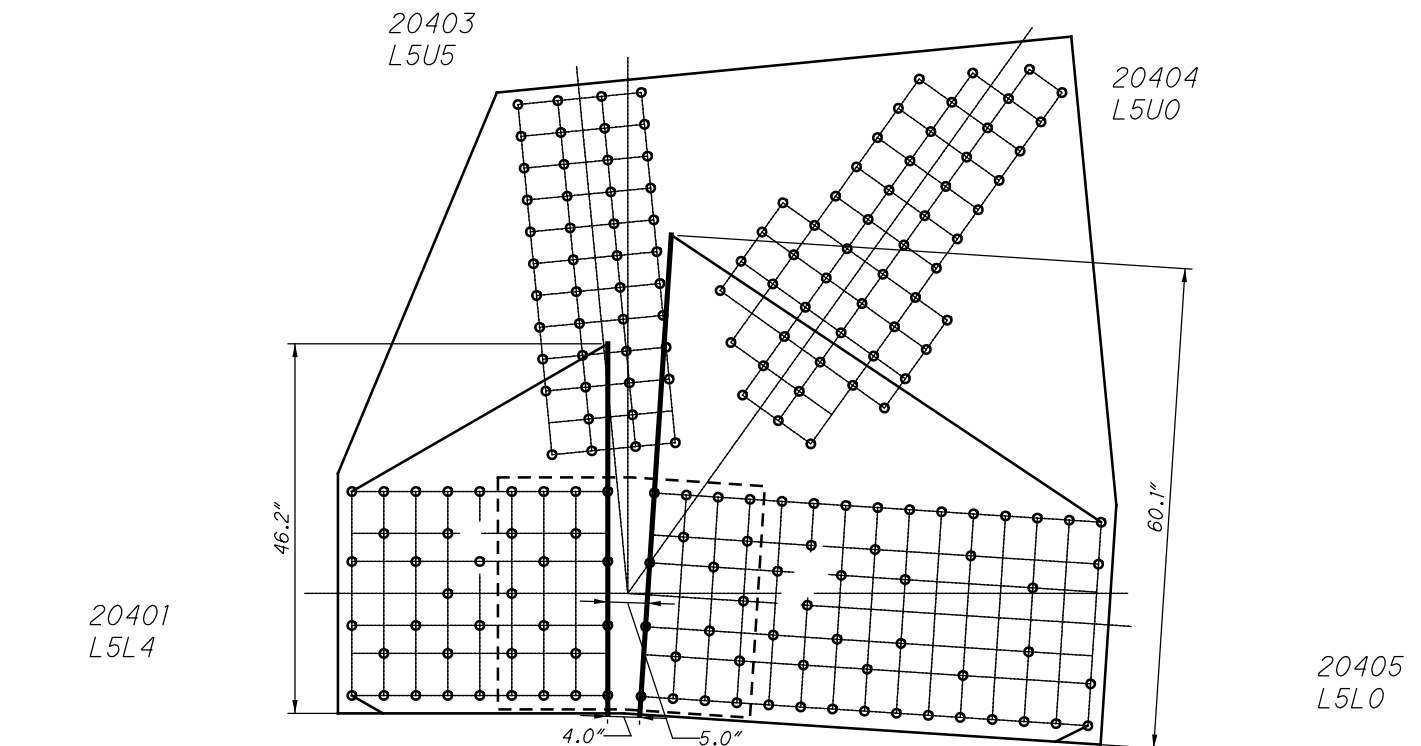
**L40 INSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

$L_c = 2.5''$

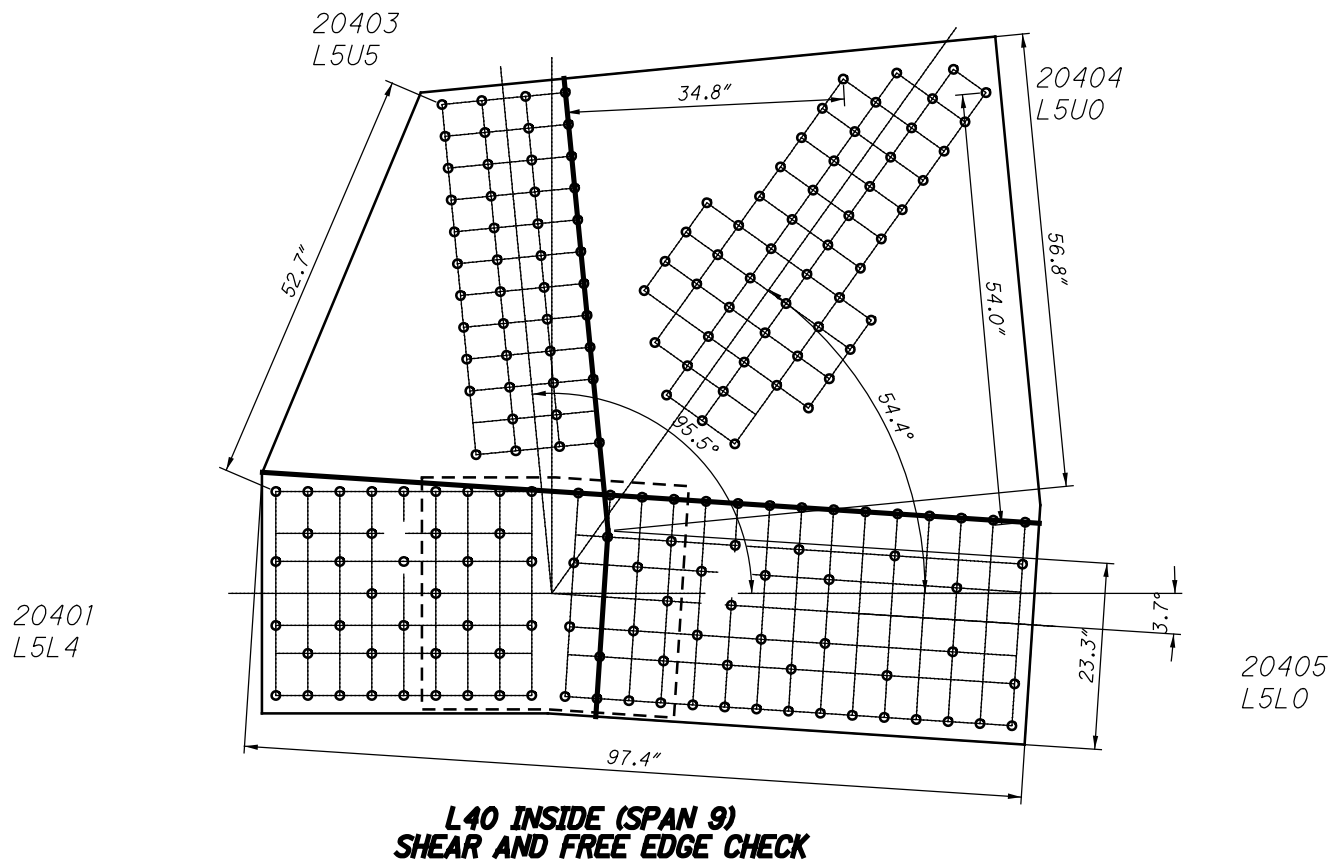
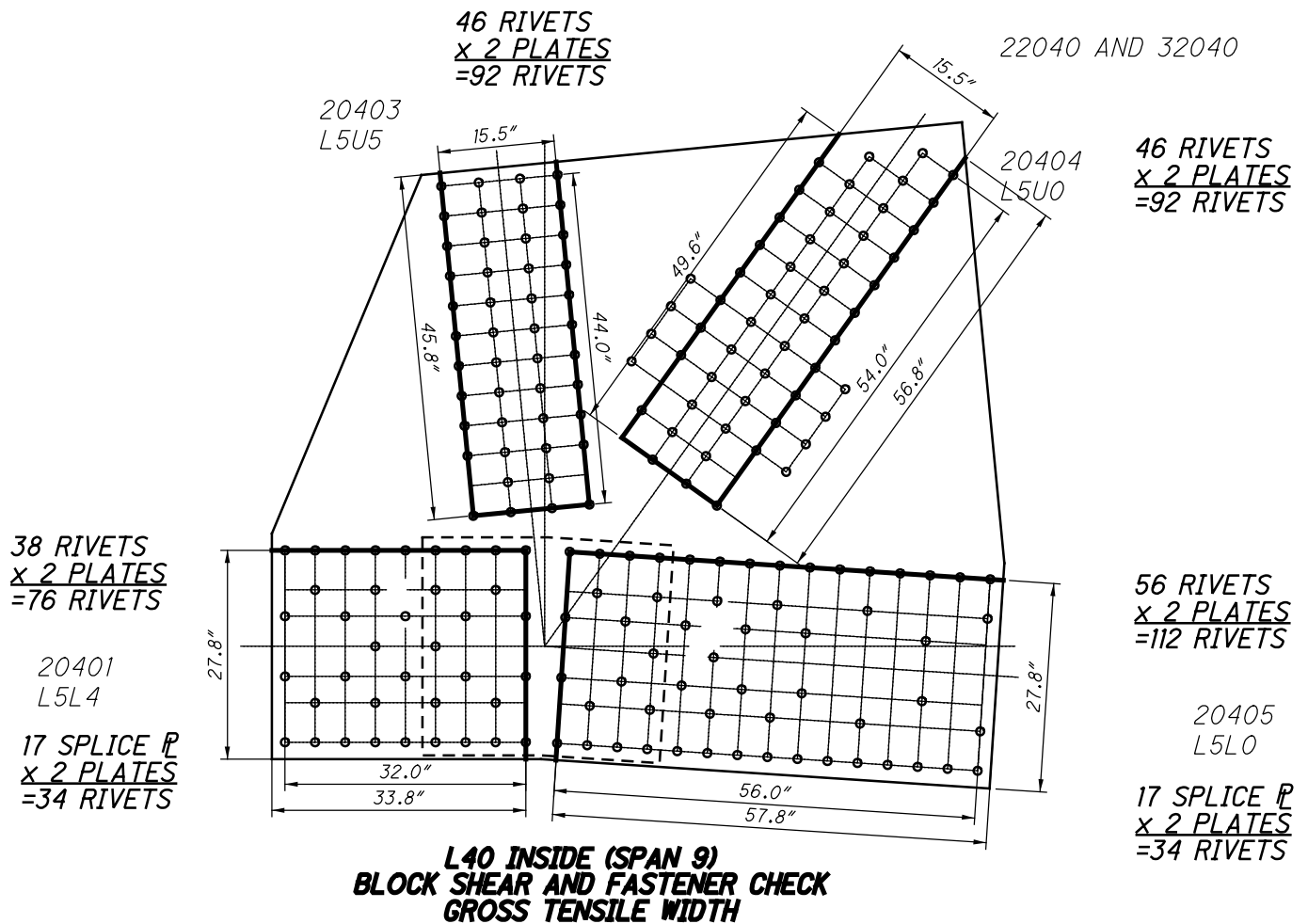
22040 AND 32040

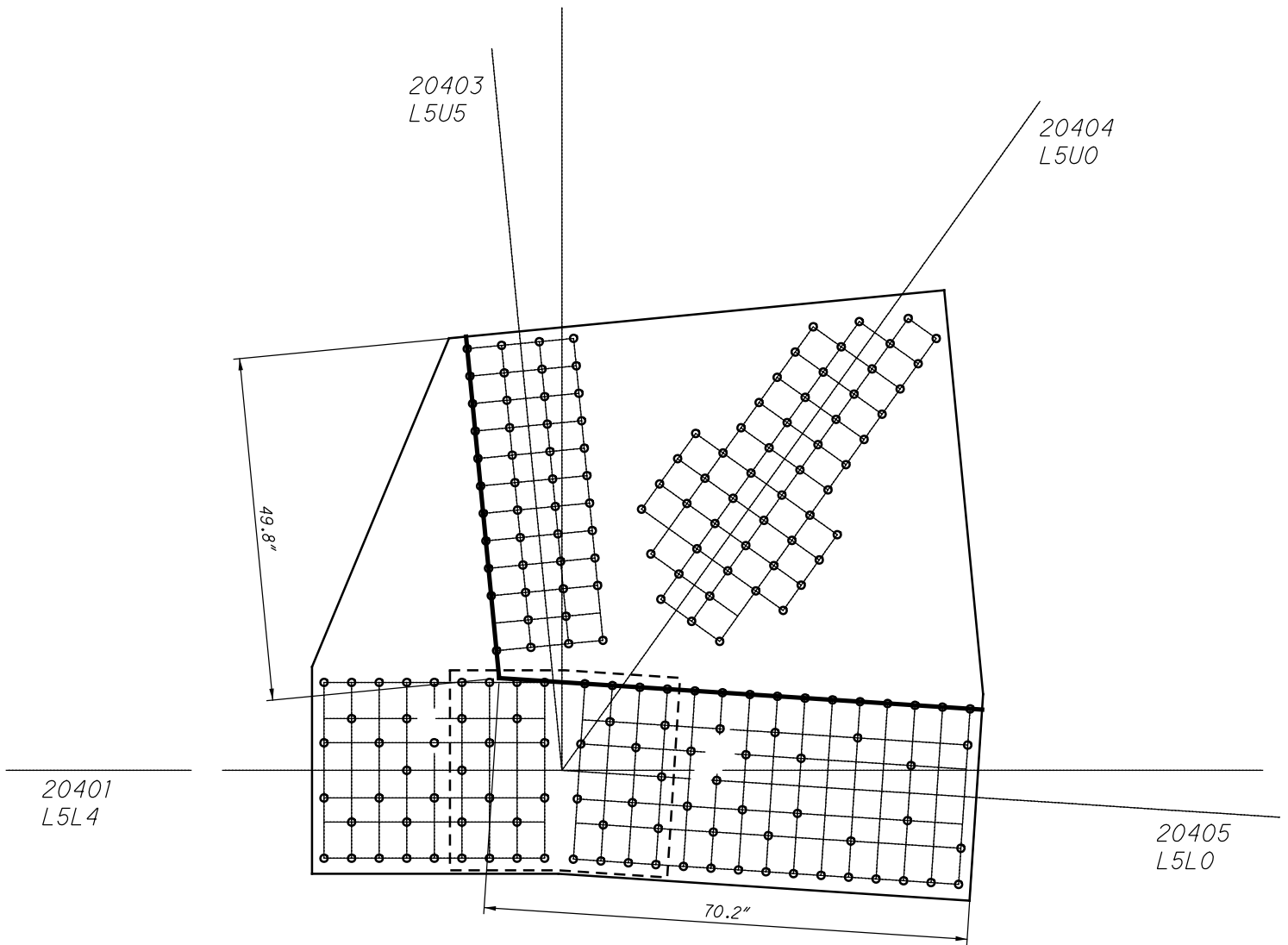


**L40 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

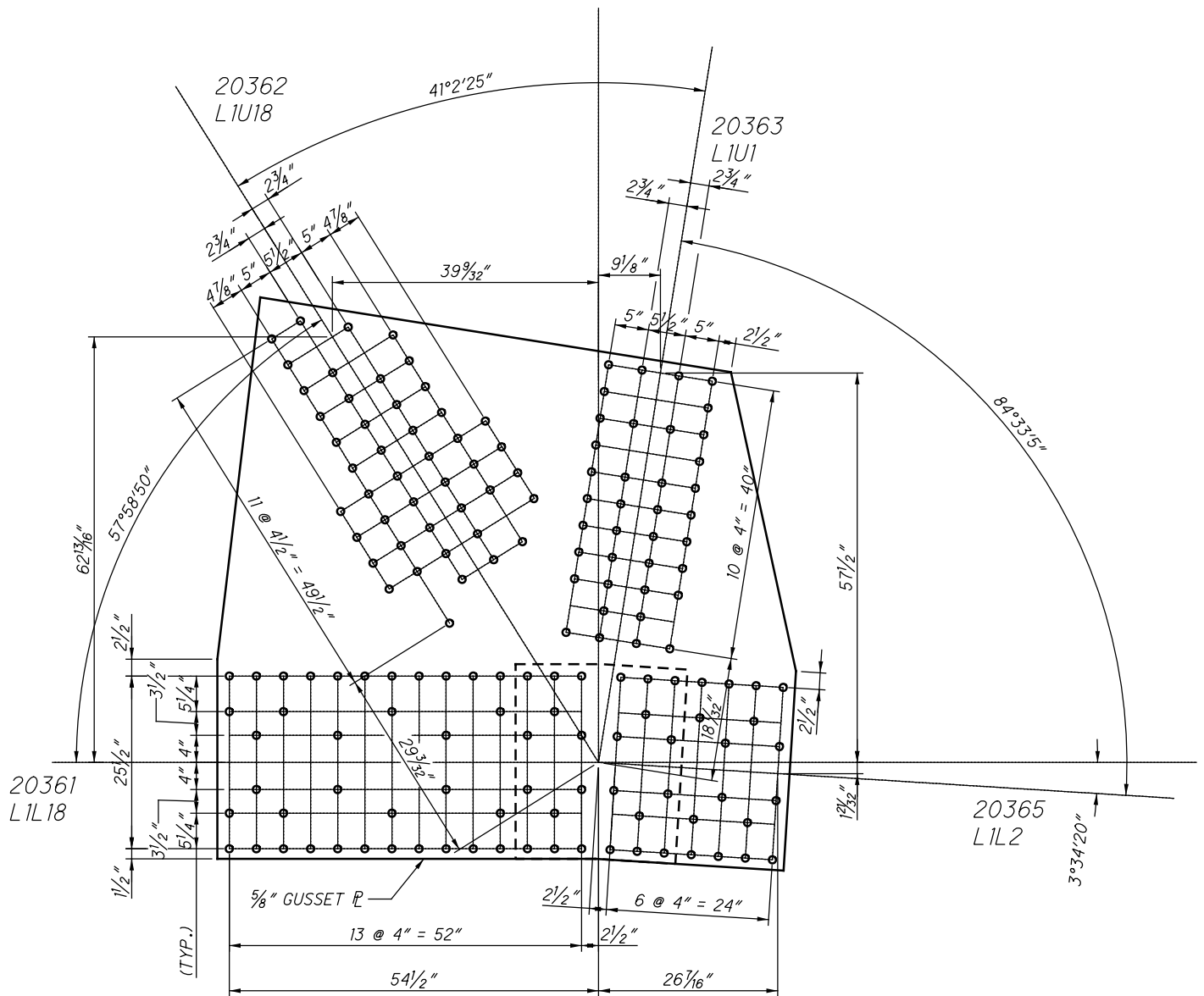


**L40 INSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**





**L40 INSIDE (SPAN 9)
QUADRANT DIMENSIONS**



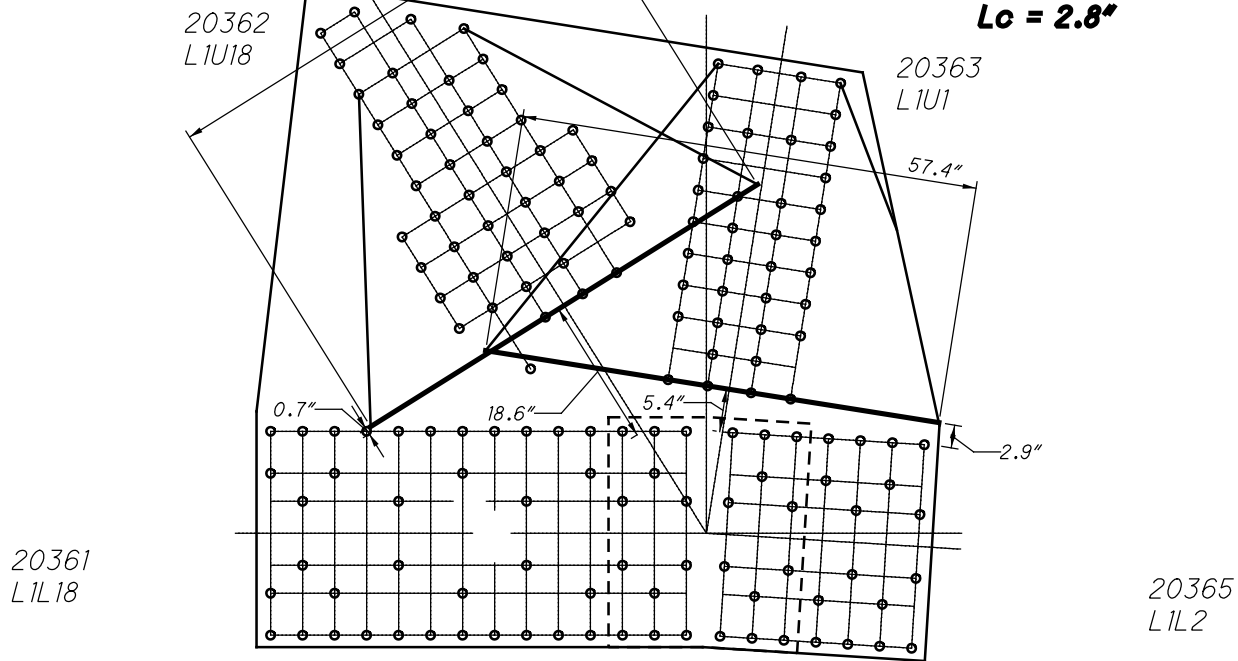
SPLICE PLATE
29" X $\frac{3}{8}"$ X 2'-1 $\frac{1}{4}"$

**L36 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

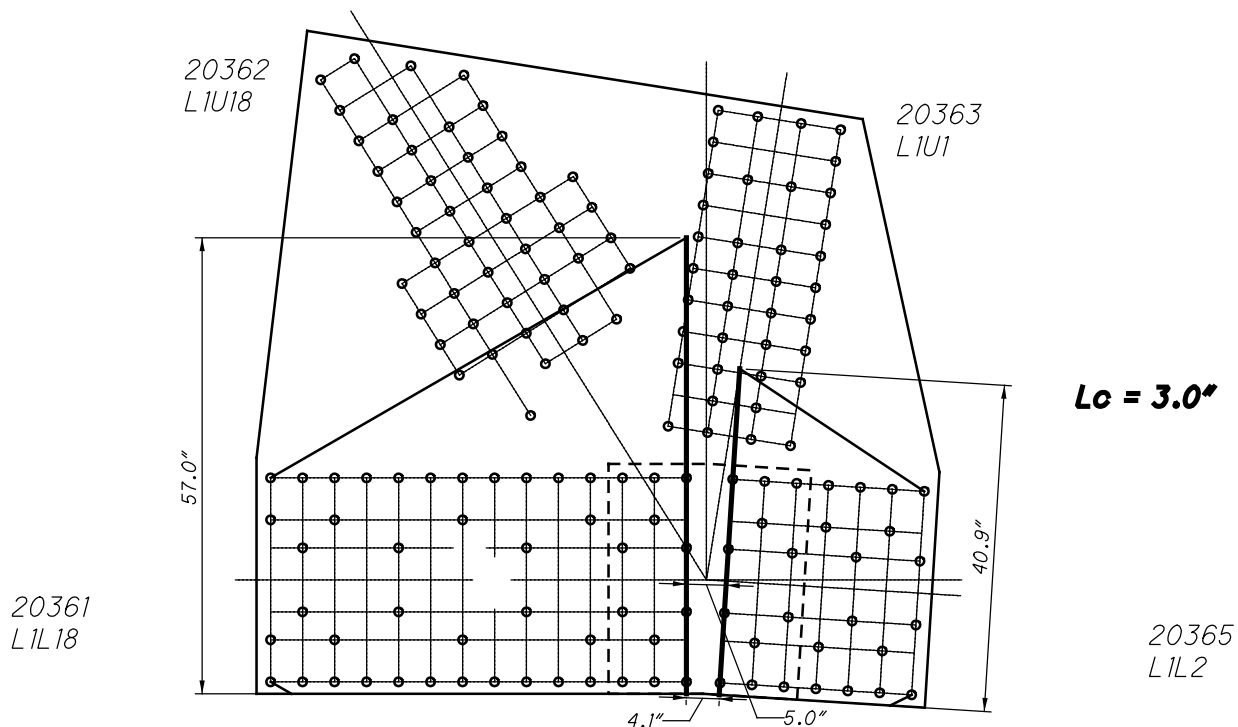
$L_c = 6.4"$

12036 AND 42036

$L_c = 2.8"$



**L36 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



$L_c = 3.0"$

**L36 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

37 RIVETS
x 2 PLATES
=74 RIVETS

20362
L1U18

12036 AND 42036

38 RIVETS
x 2 PLATES
=76 RIVETS

20363
L1U1

48 RIVETS
x 2 PLATES
=96 RIVETS

20361
L1L18

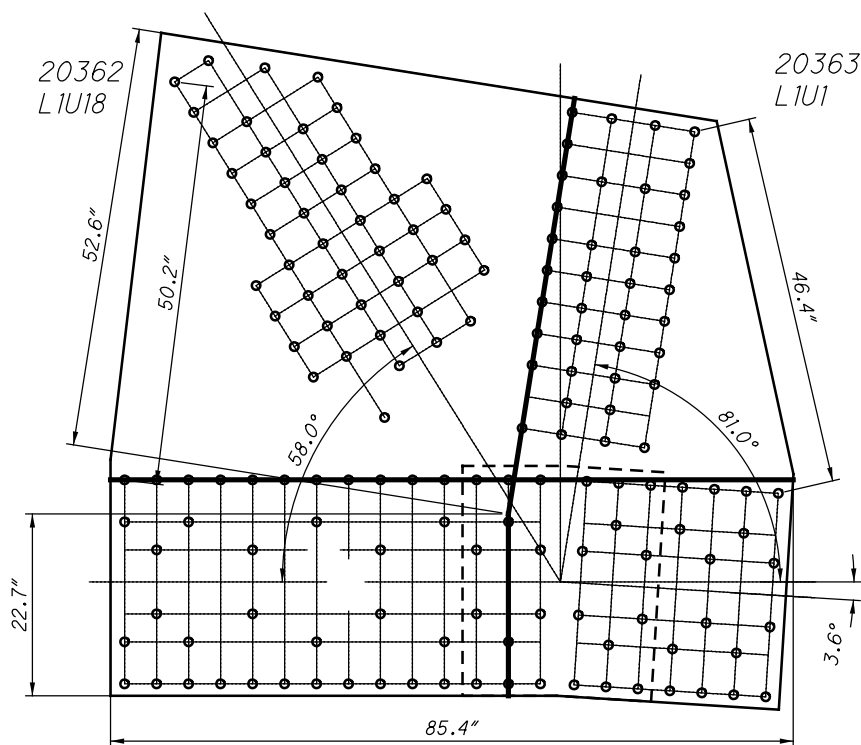
28 RIVETS
x 2 PLATES
=56 RIVETS

20365
L1L2

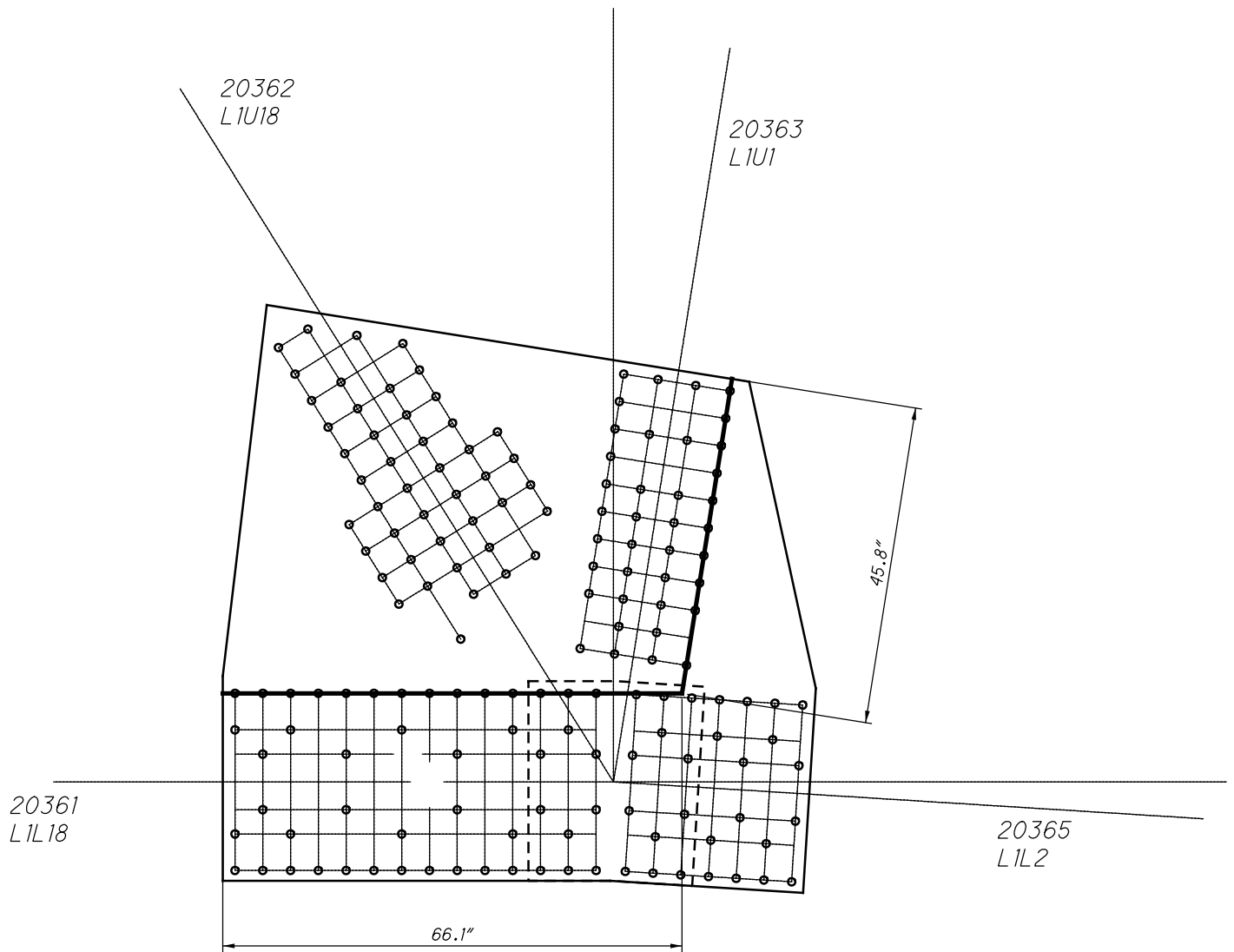
12 SPLICE P
x 2 PLATES
=24 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

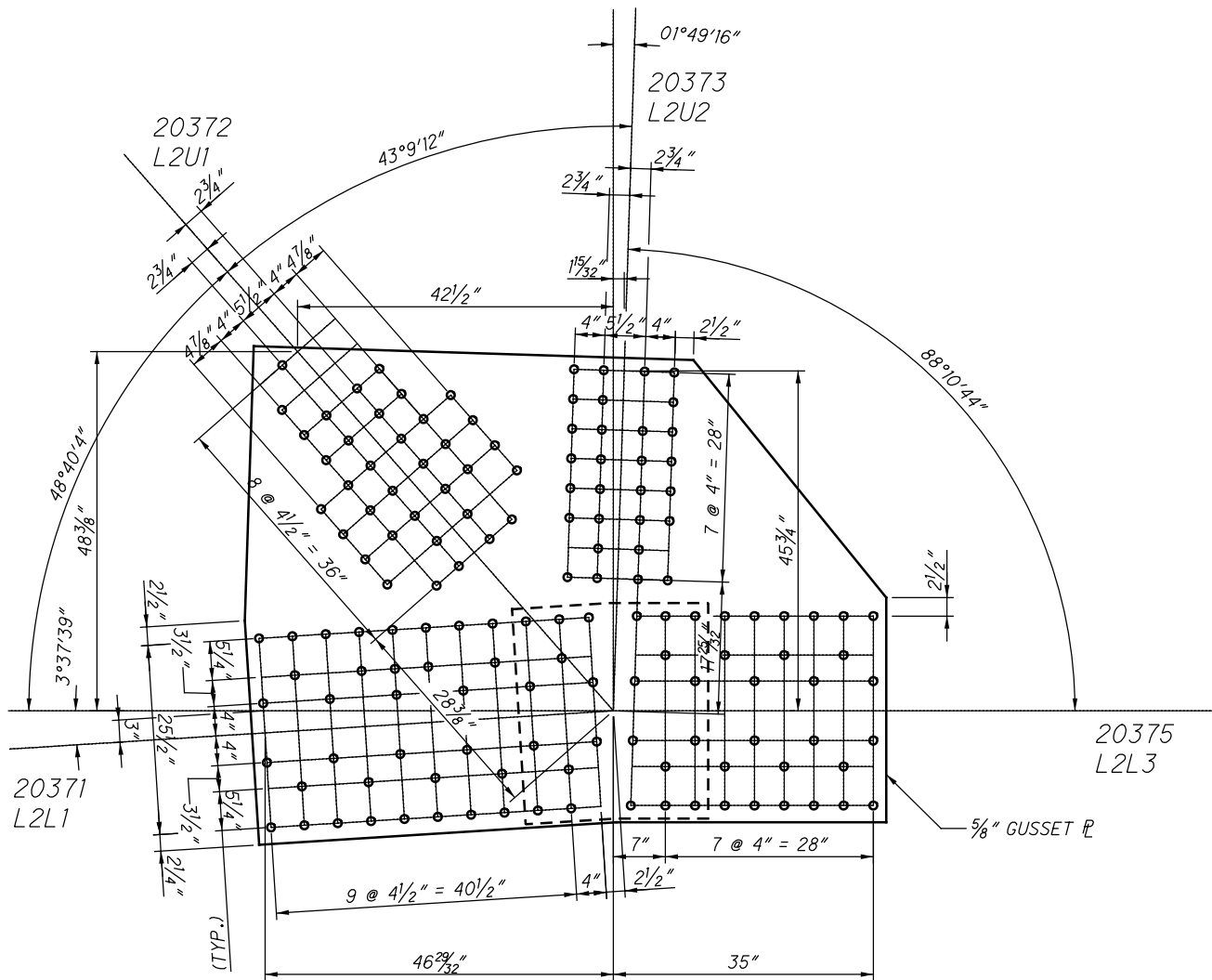
**L36 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L36 OUTSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



**L36 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**

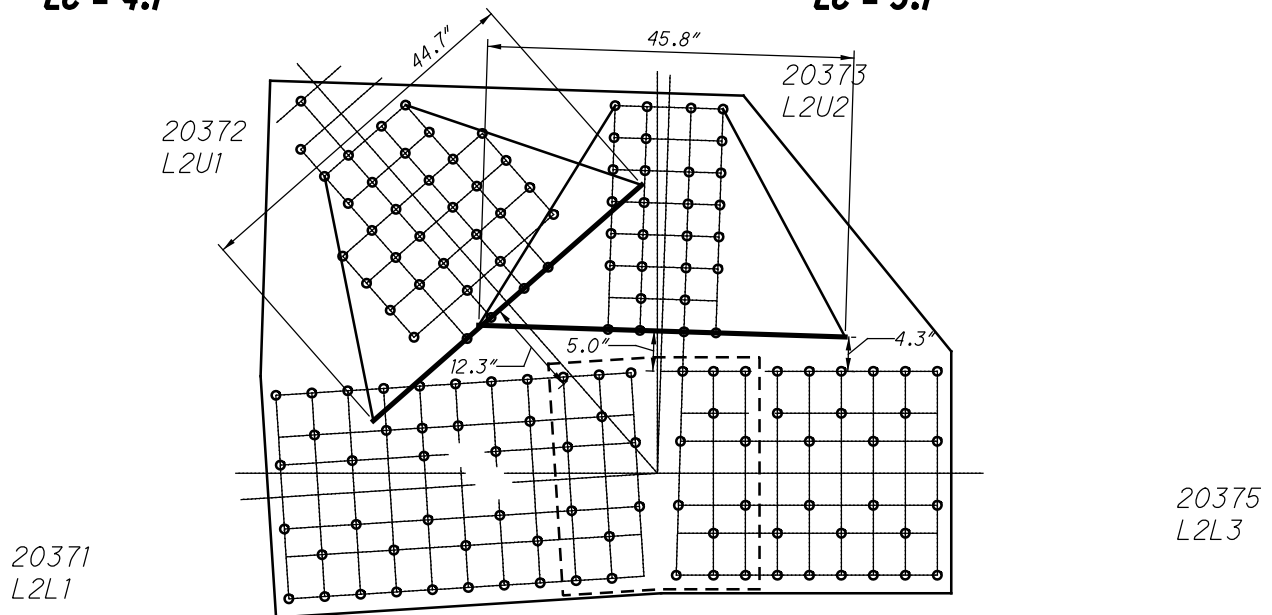


SPLICE PLATE
29 1/2" X 7/16" X 2'-2 1/2"

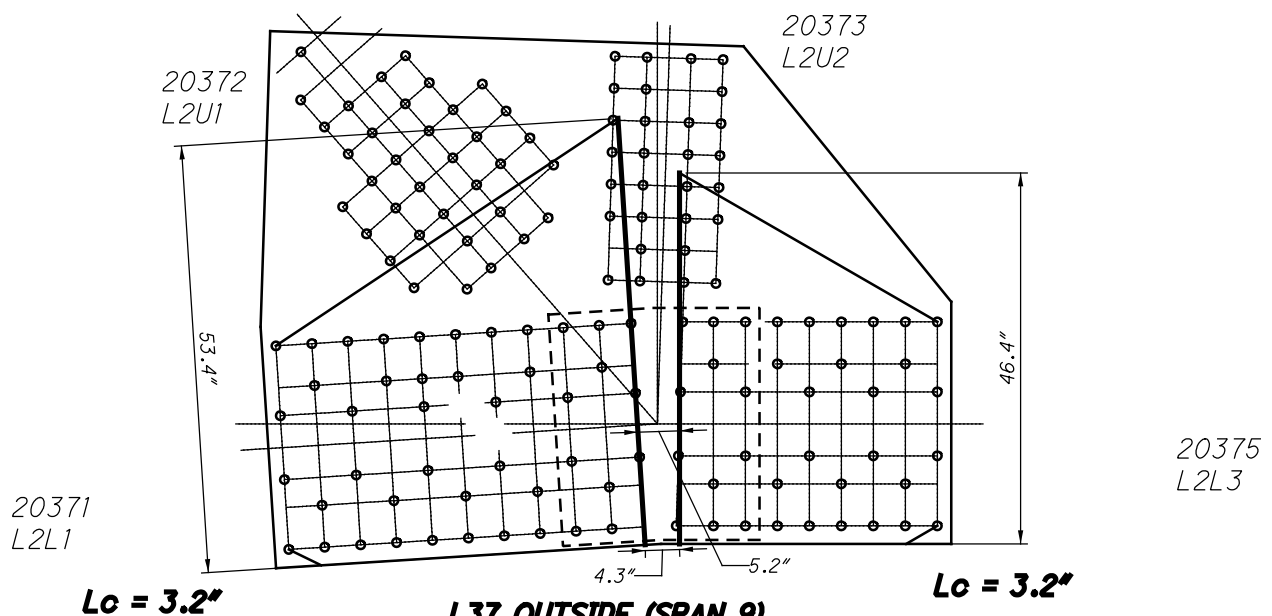
**L37 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

$L_c = 4.1''$

$L_c = 3.1''$



**L37 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



$L_c = 3.2''$

$L_c = 3.2''$

**L37 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

28 RIVETS
x 2 PLATES
=56 RIVETS

29 RIVETS
x 2 PLATES
=58 RIVETS

44 RIVETS
x 2 PLATES
=88 RIVETS

36 RIVETS
x 2 PLATES
=72 RIVETS

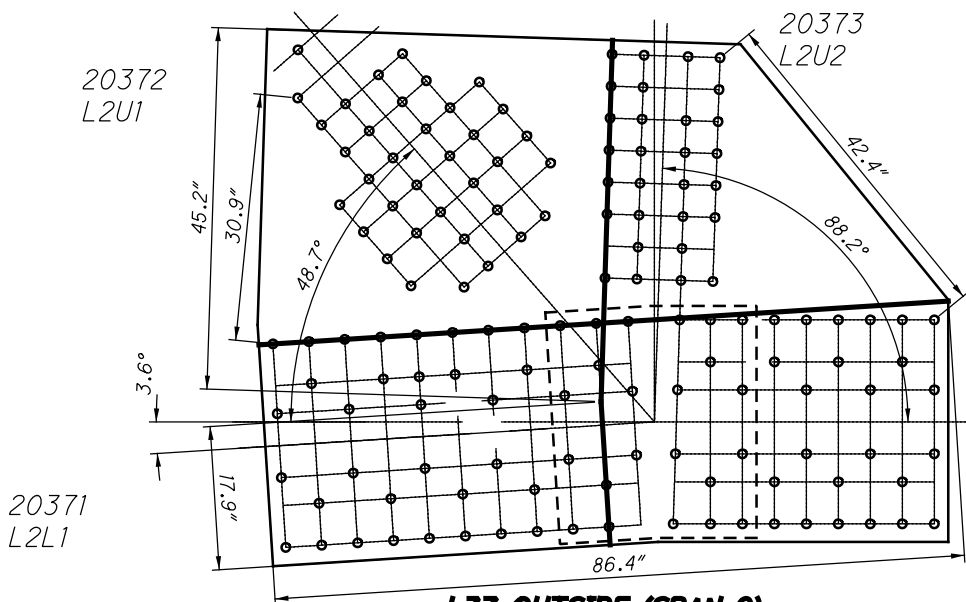
20371
L2L1

20375
L2L3

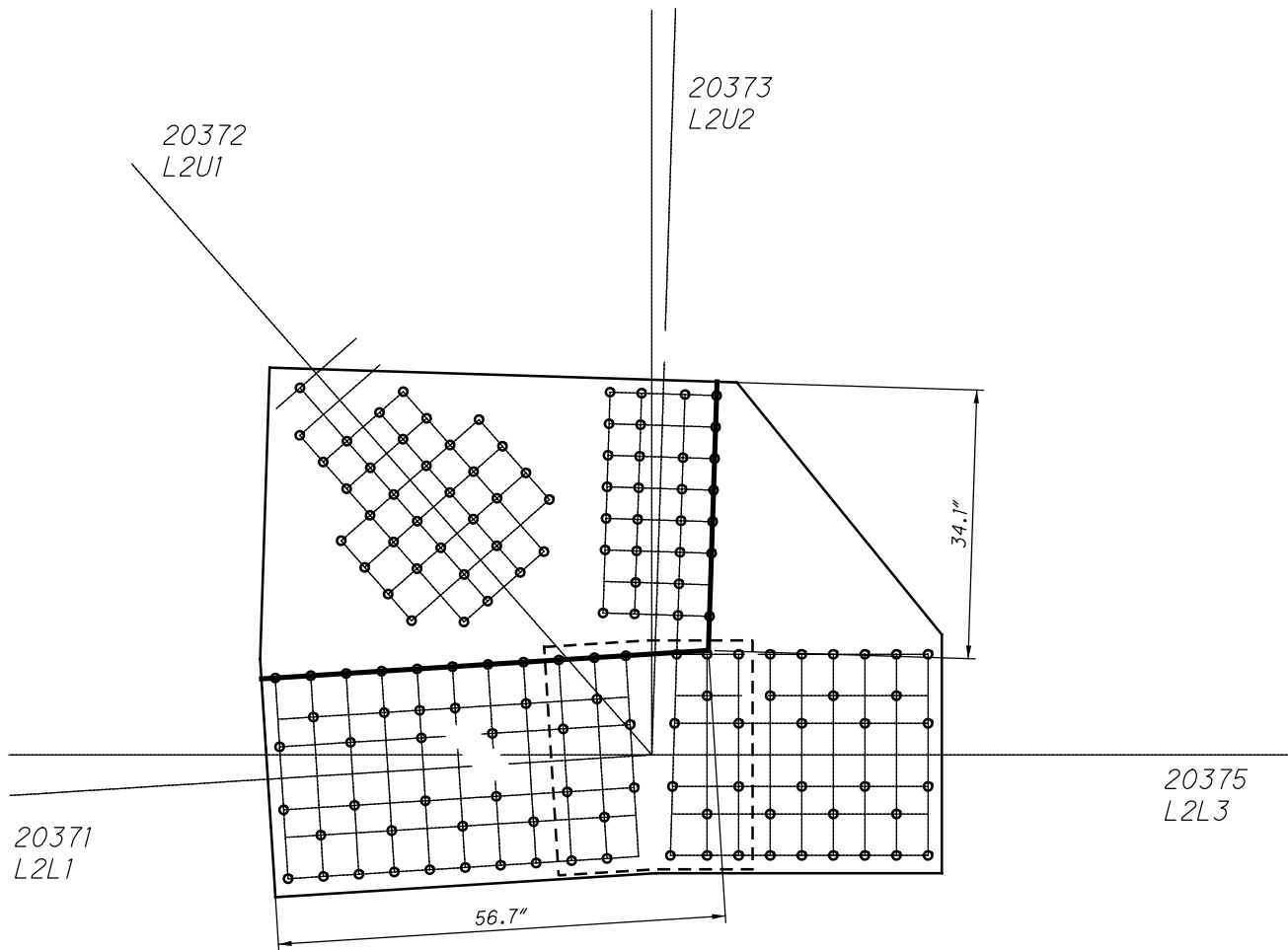
11 SPLICE P
x 2 PLATES
=22 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

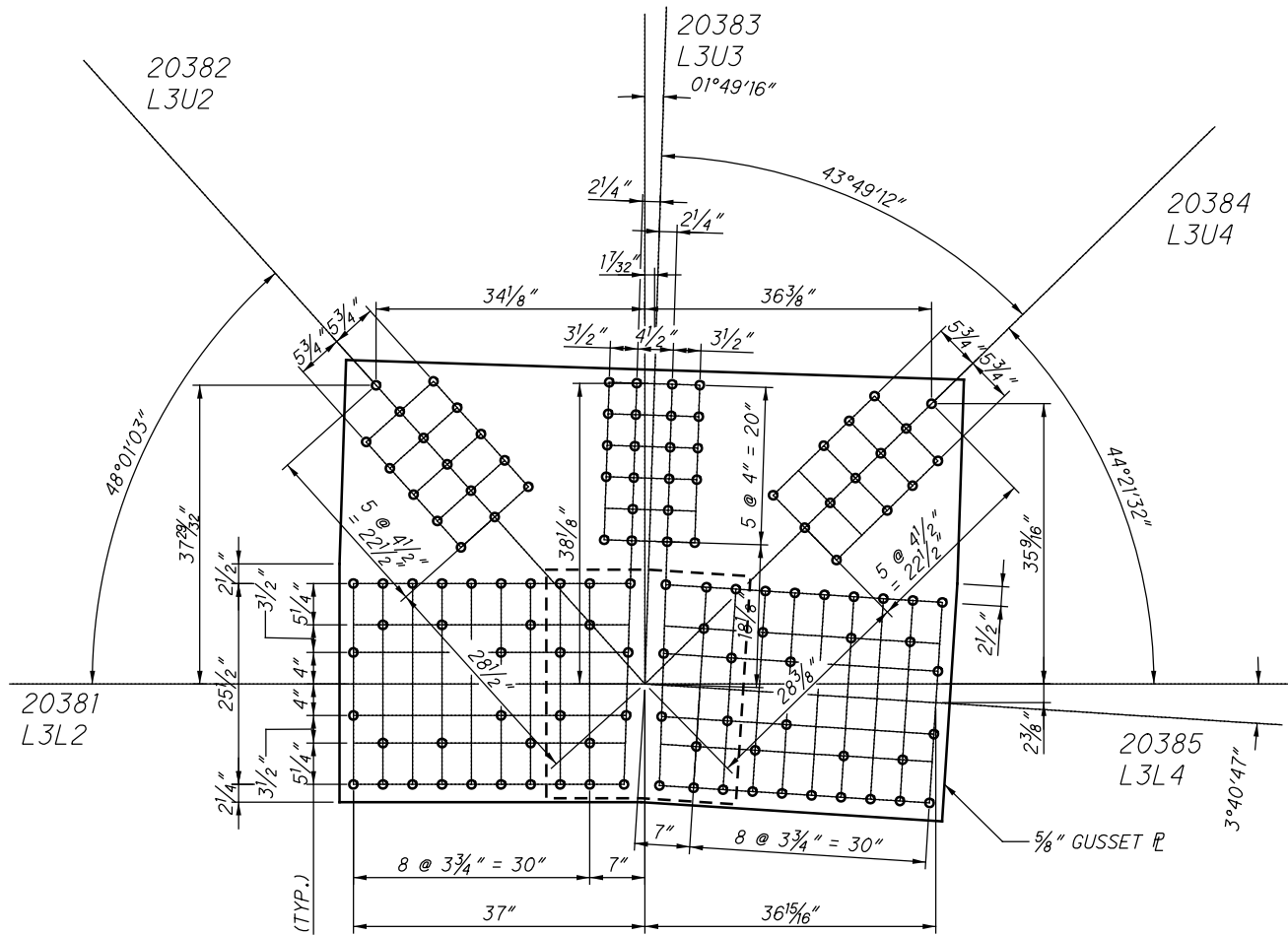
**L37 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L37 OUTSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



**L37 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**



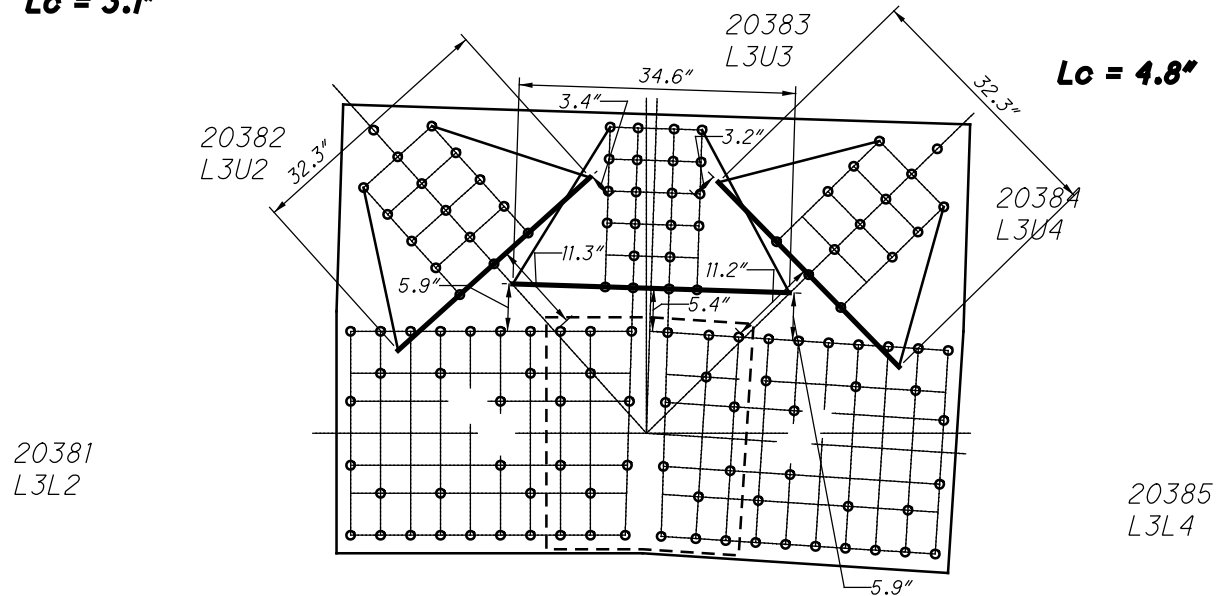
SPLICE PLATE
29 1/2" X 7/16" X 2'-1 1/2"

**L38 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

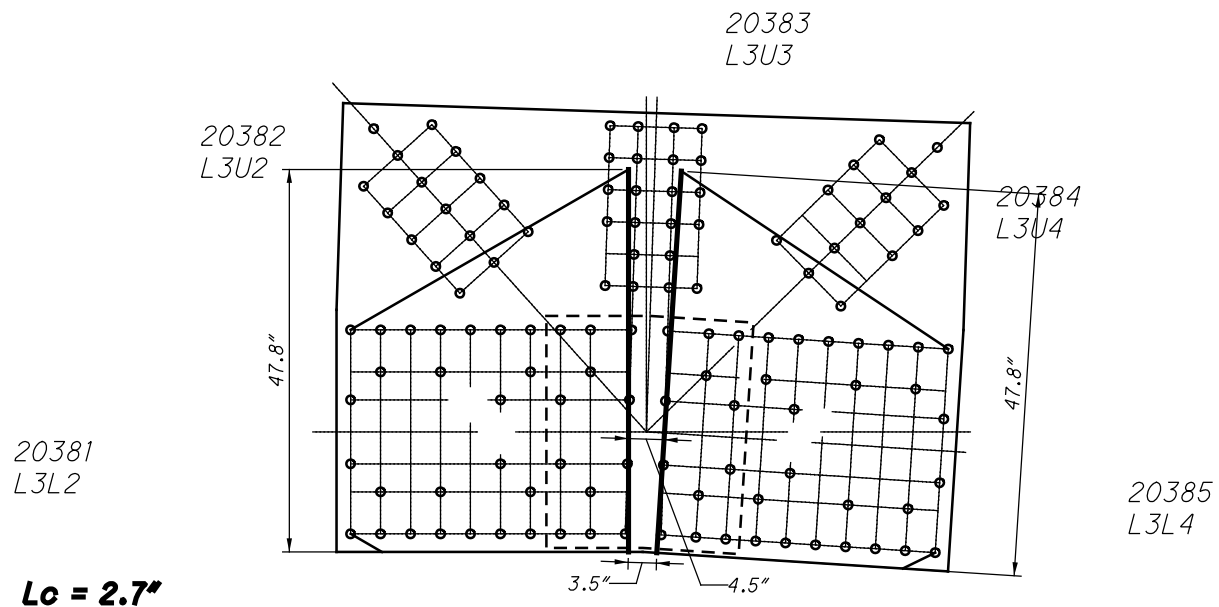
$L_c = 3.1''$

$L_c = 5.7''$

$L_c = 4.8''$



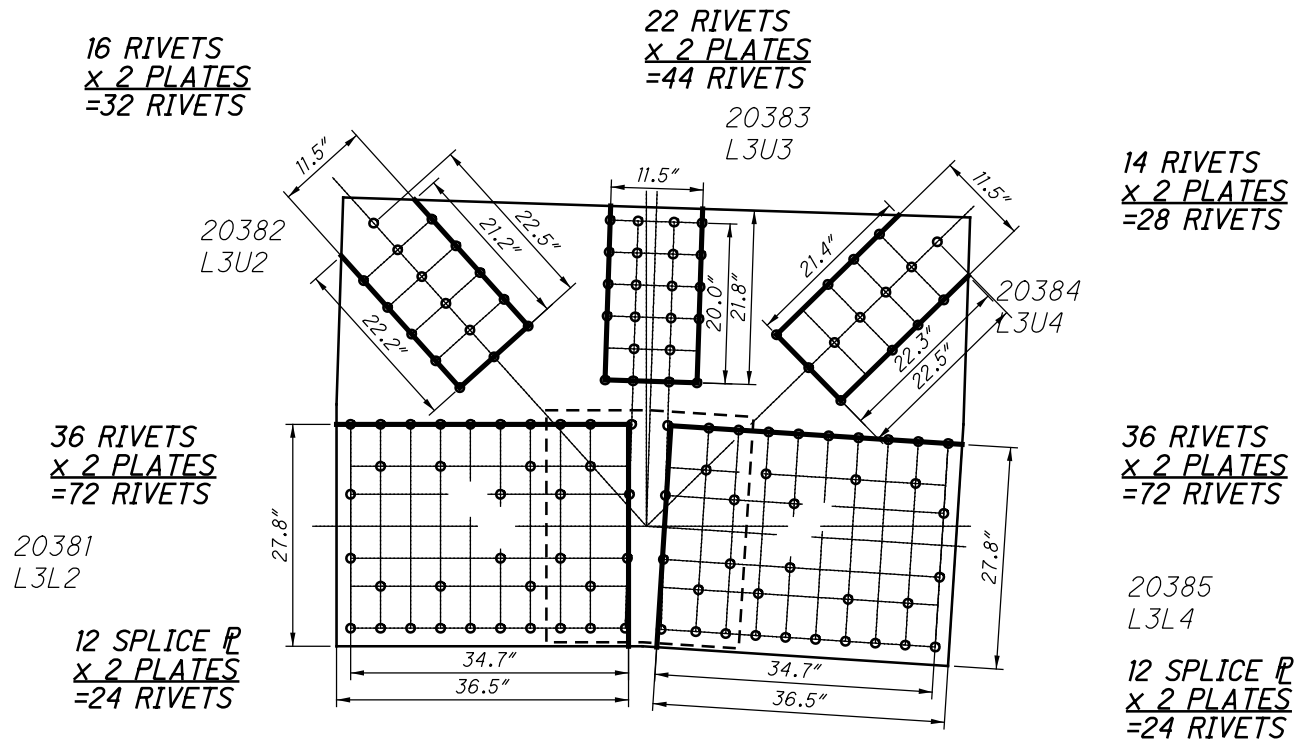
**L38 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



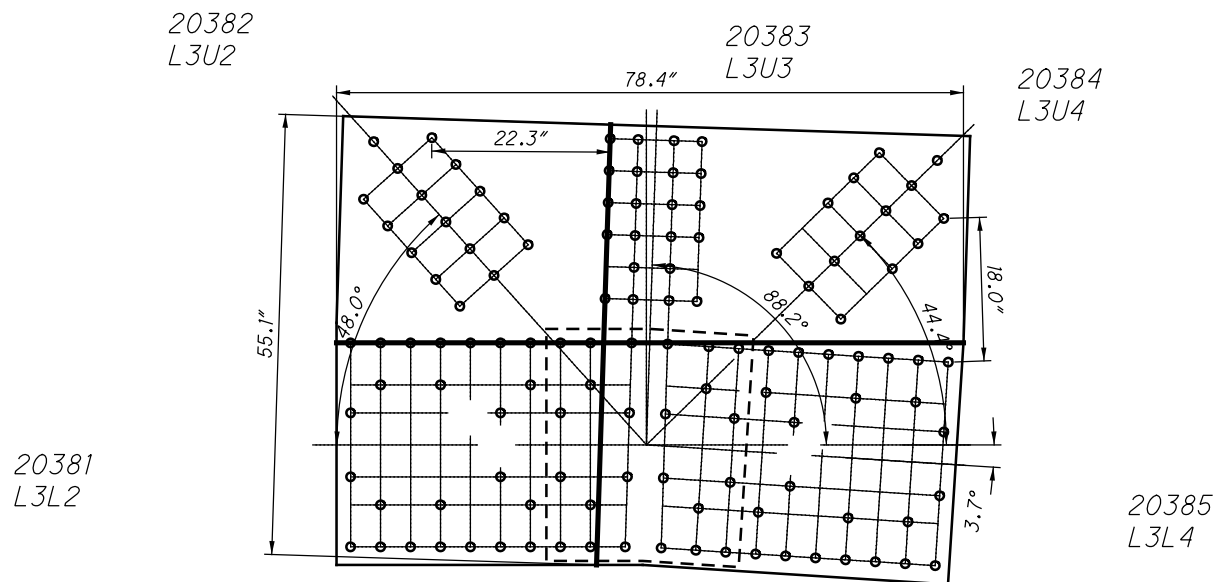
$L_c = 2.7''$

$L_c = 2.7''$

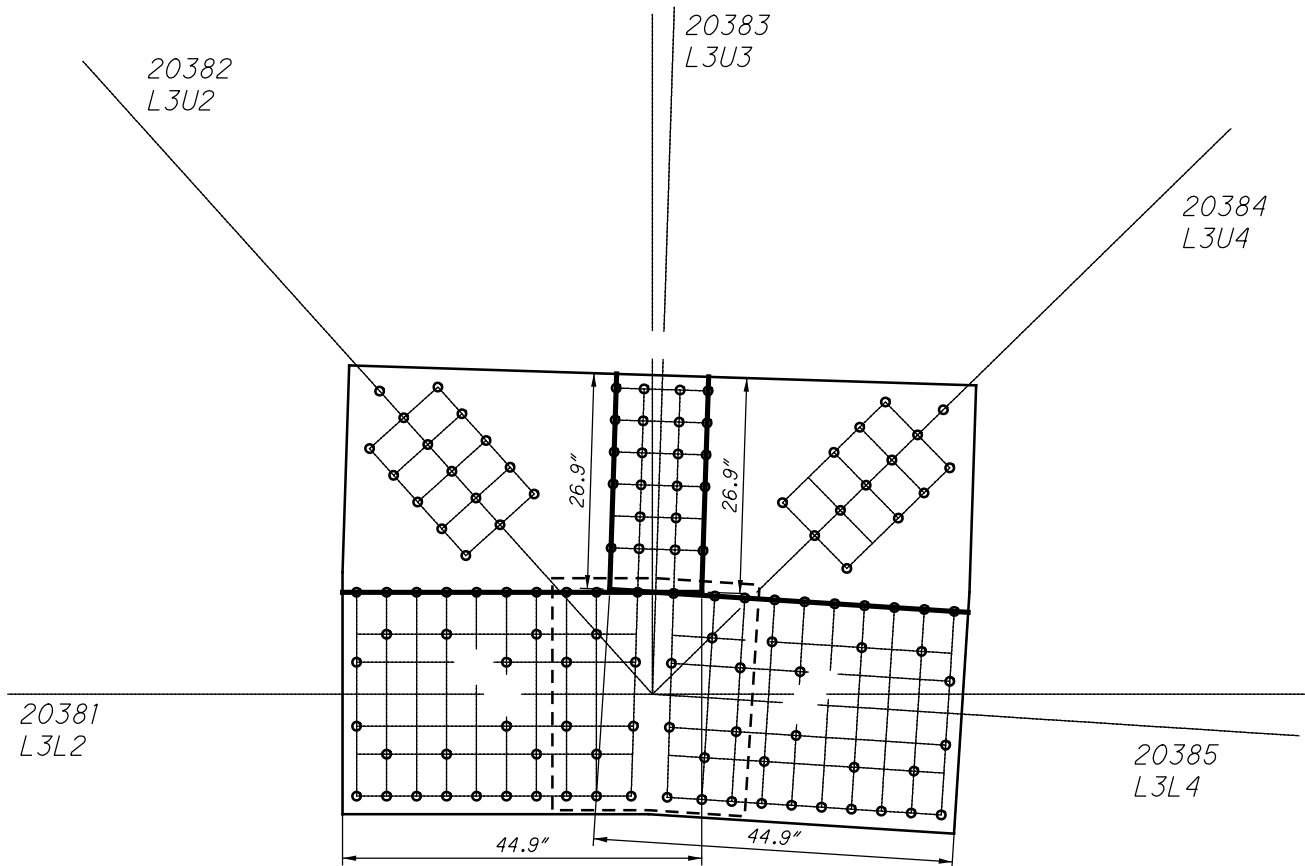
**L38 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



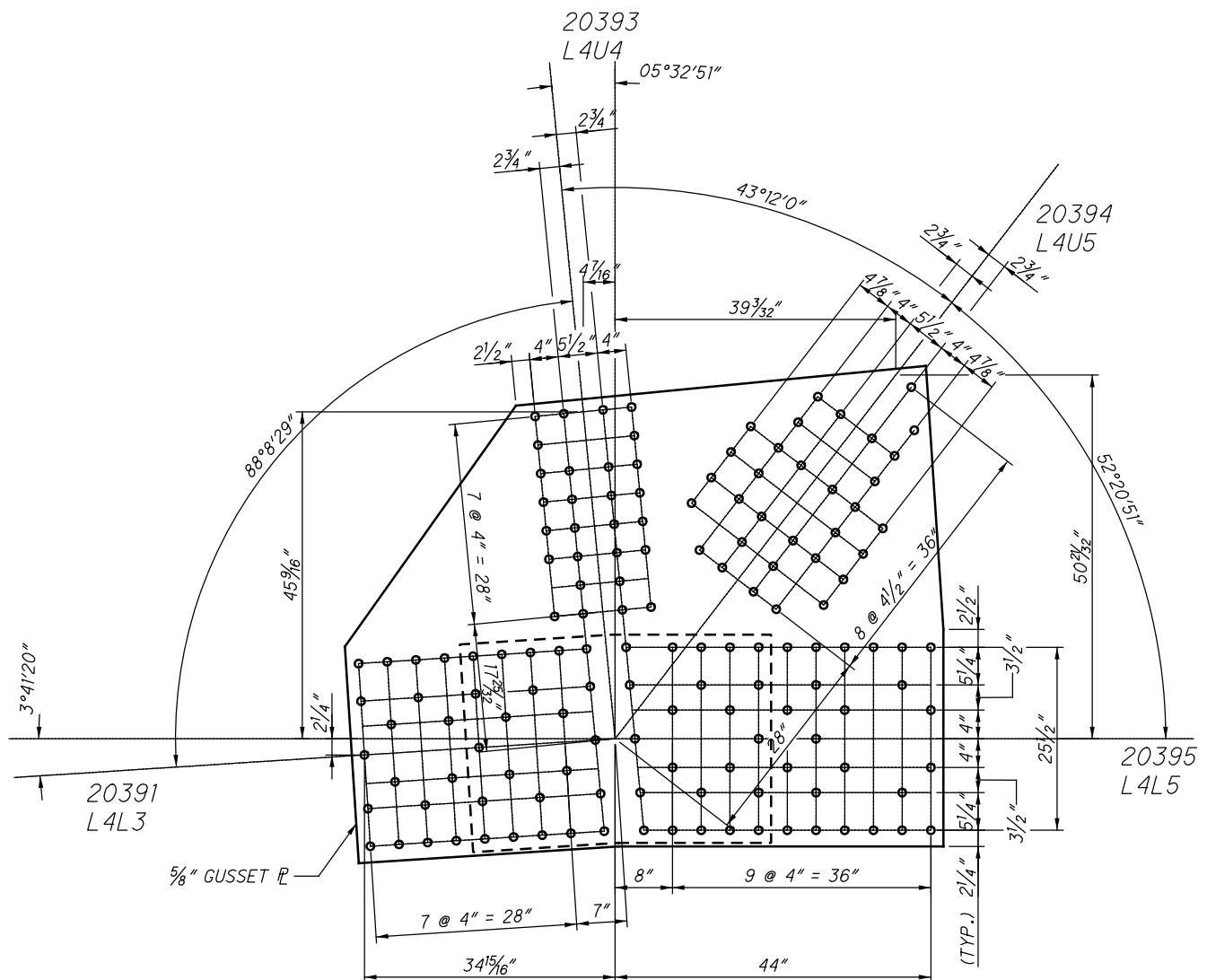
**L38 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L38 OUTSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**



**L38 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**



SPLICE PLATE
30" X 7/16" X 3'-7 1/2"

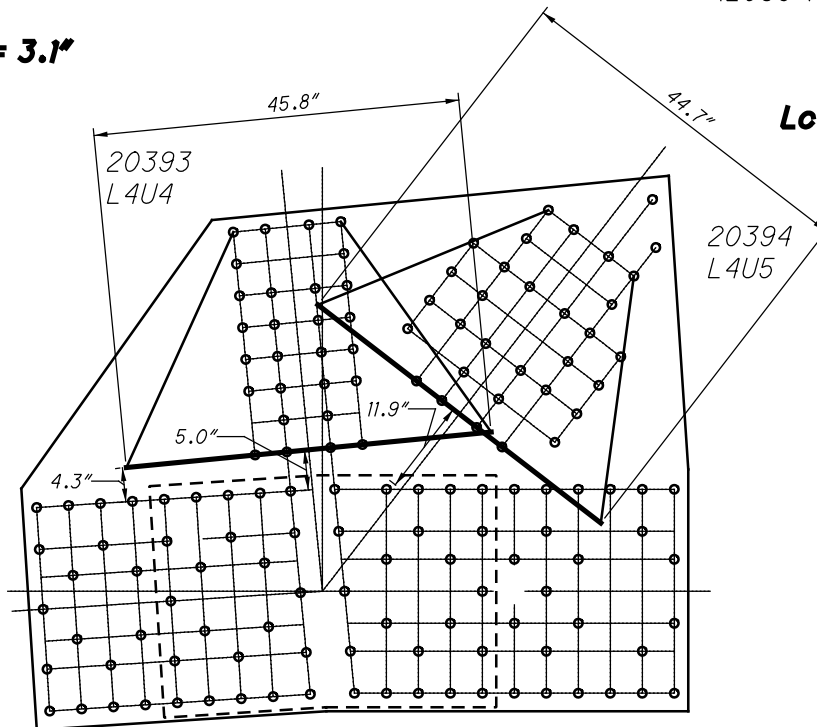
**L39 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

12039 AND 42039

$L_c = 3.1''$

$L_c = 4.0''$

20391
L4L3



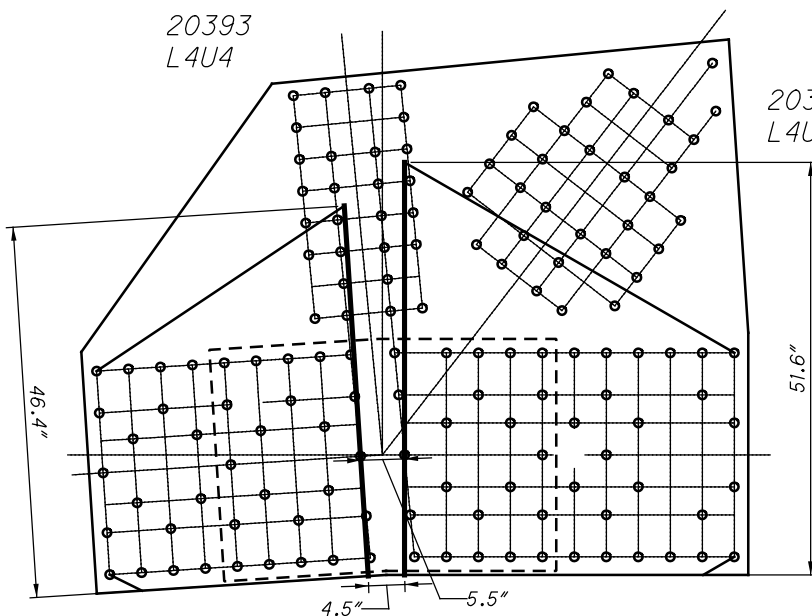
20395
L4L5

**L39 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20393
L4U4

20394
L4U5

20391
L4L3



20395
L4L5

$L_c = 3.3''$

$L_c = 3.3''$

**L39 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

28 RIVETS
x 2 PLATES
=56 RIVETS

24 RIVETS
x 2 PLATES
=48 RIVETS

39 RIVETS
x 2 PLATES
=78 RIVETS

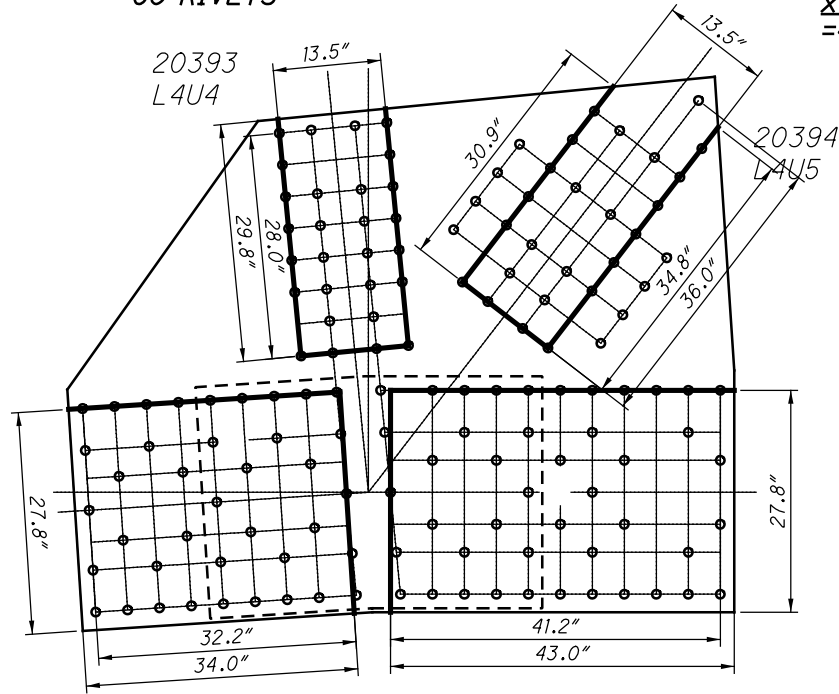
45 RIVETS
x 2 PLATES
=90 RIVETS

20391
L4L3

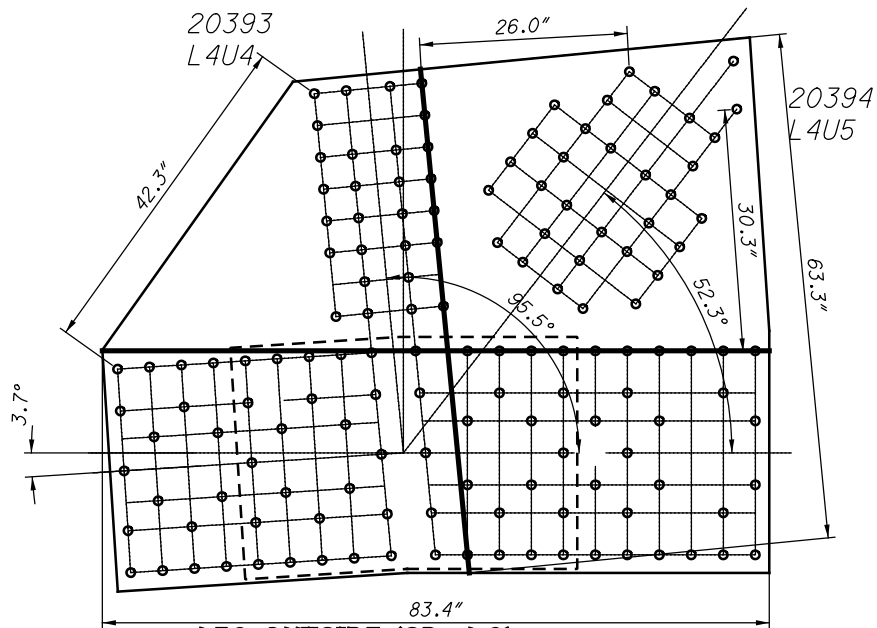
20395
L4L5

22 SPLICE P
x 2 PLATES
=44 RIVETS

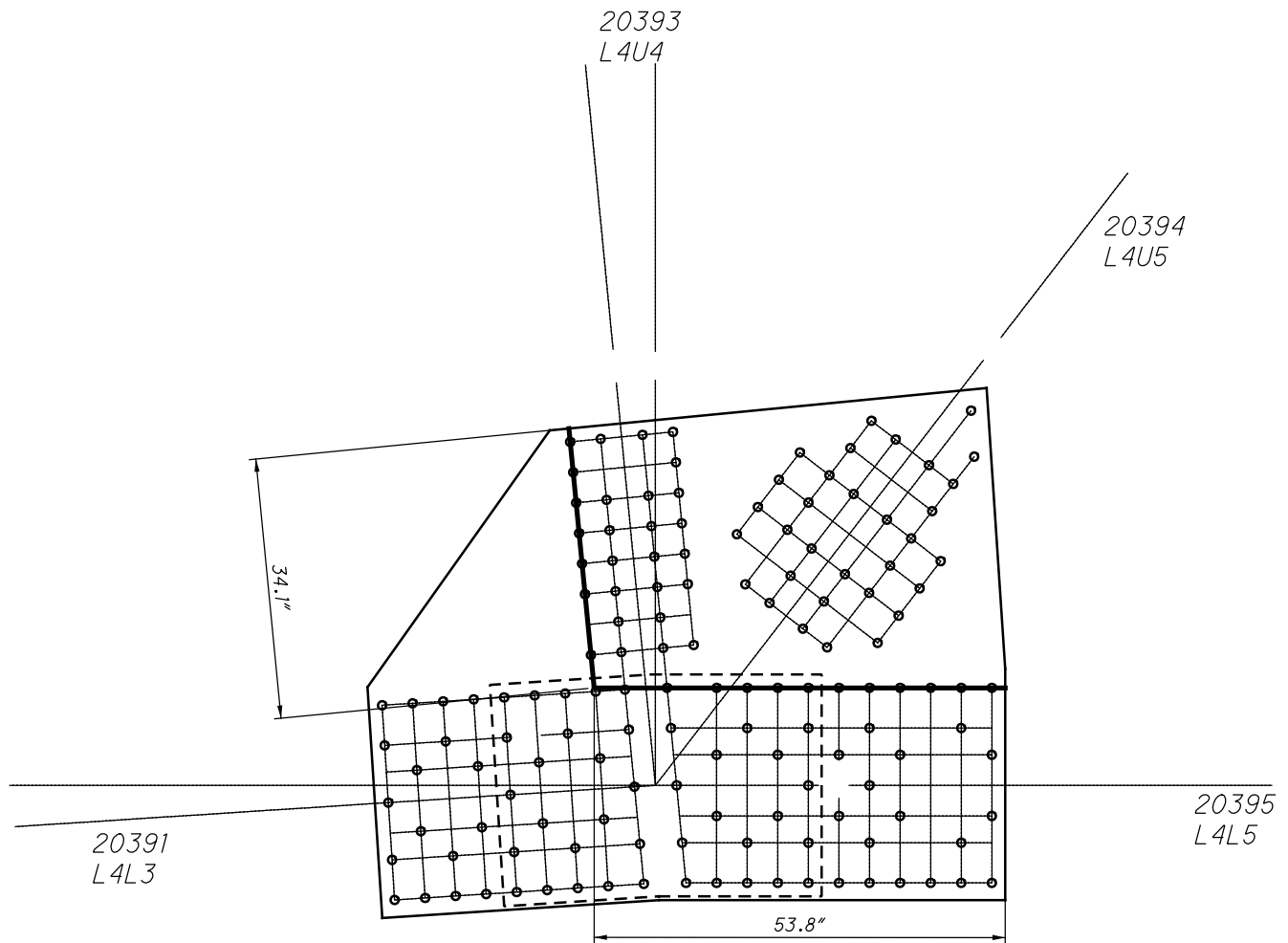
22 SPLICE P
x 2 PLATES
=44 RIVETS



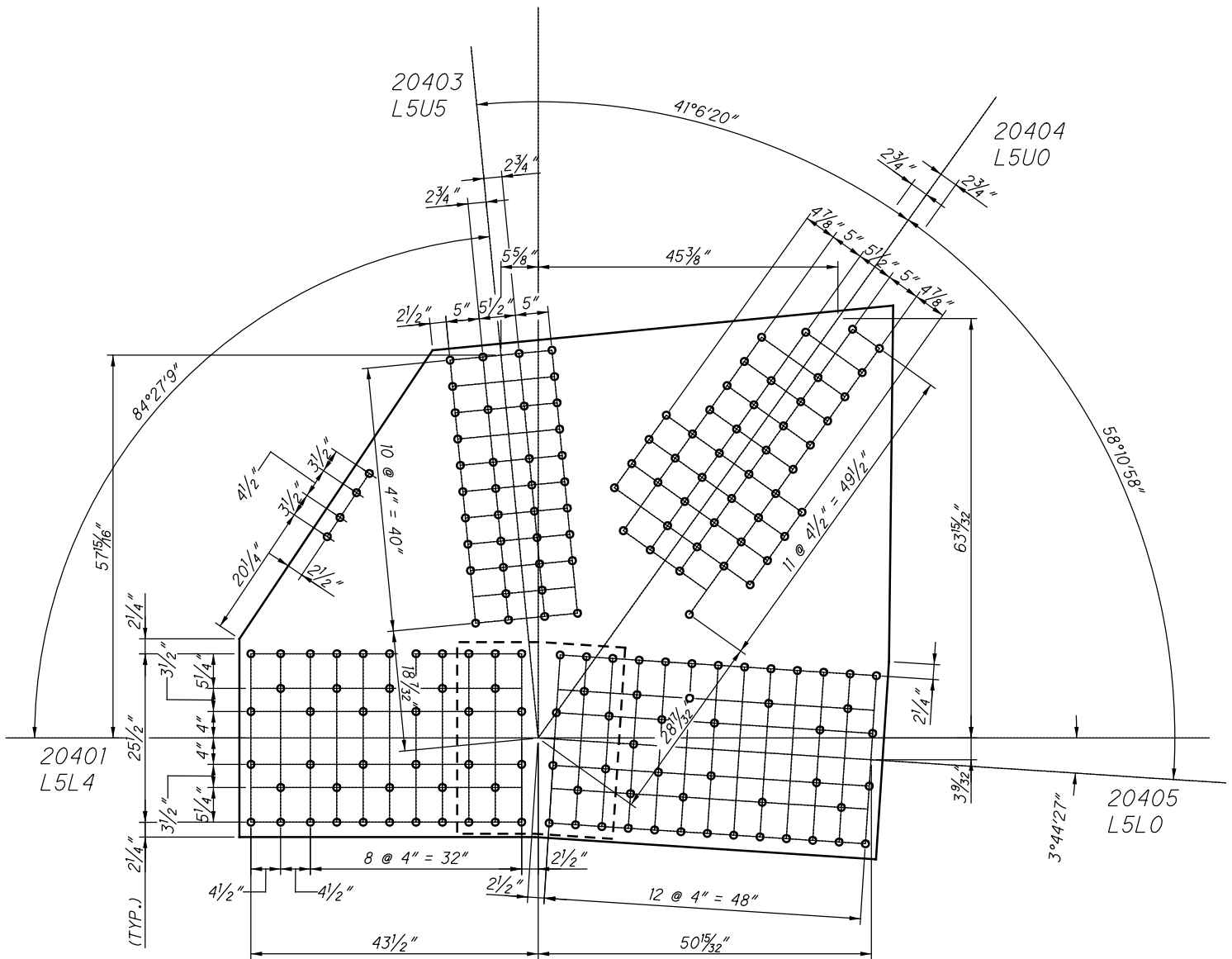
**L39 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L39 OUTSIDE (SPAN 9)
SHEAR AND FREE EDGE CHECK**

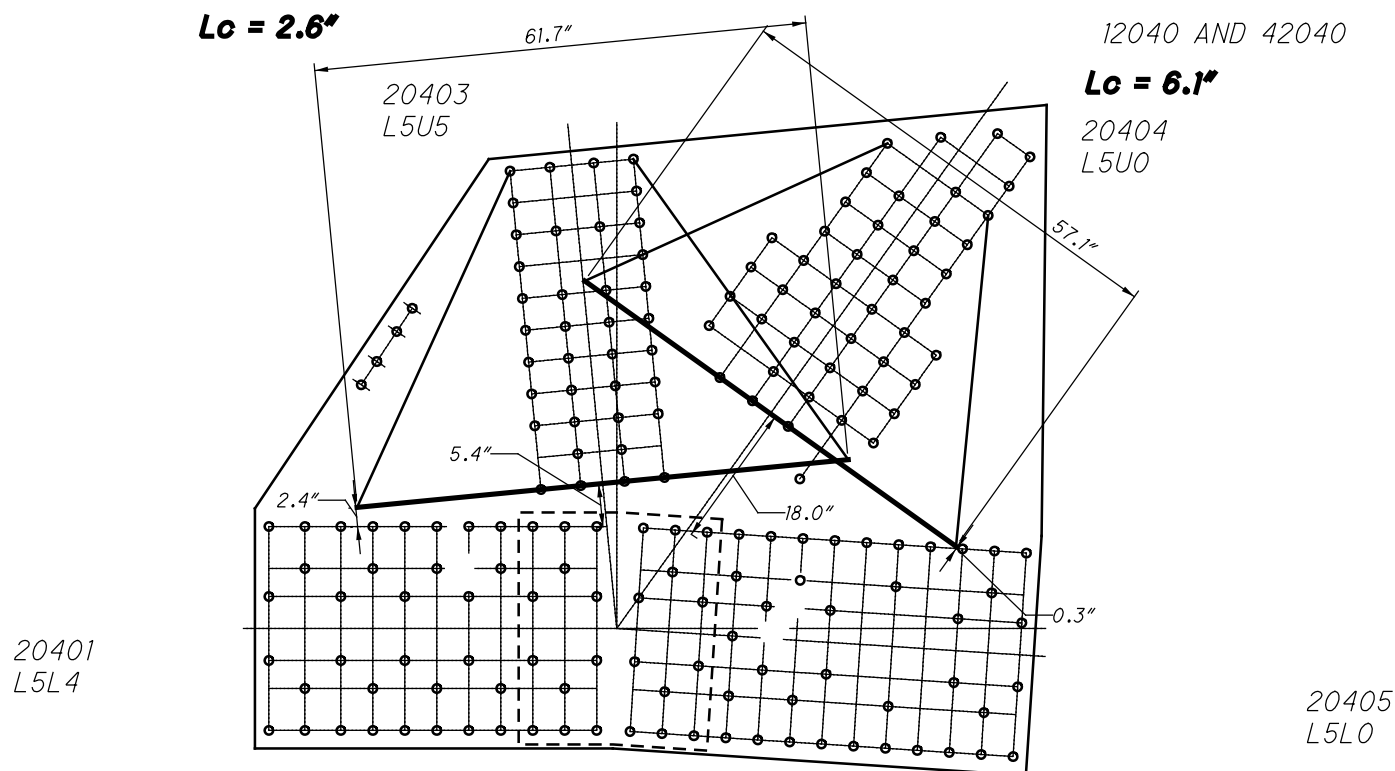


**L39 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**

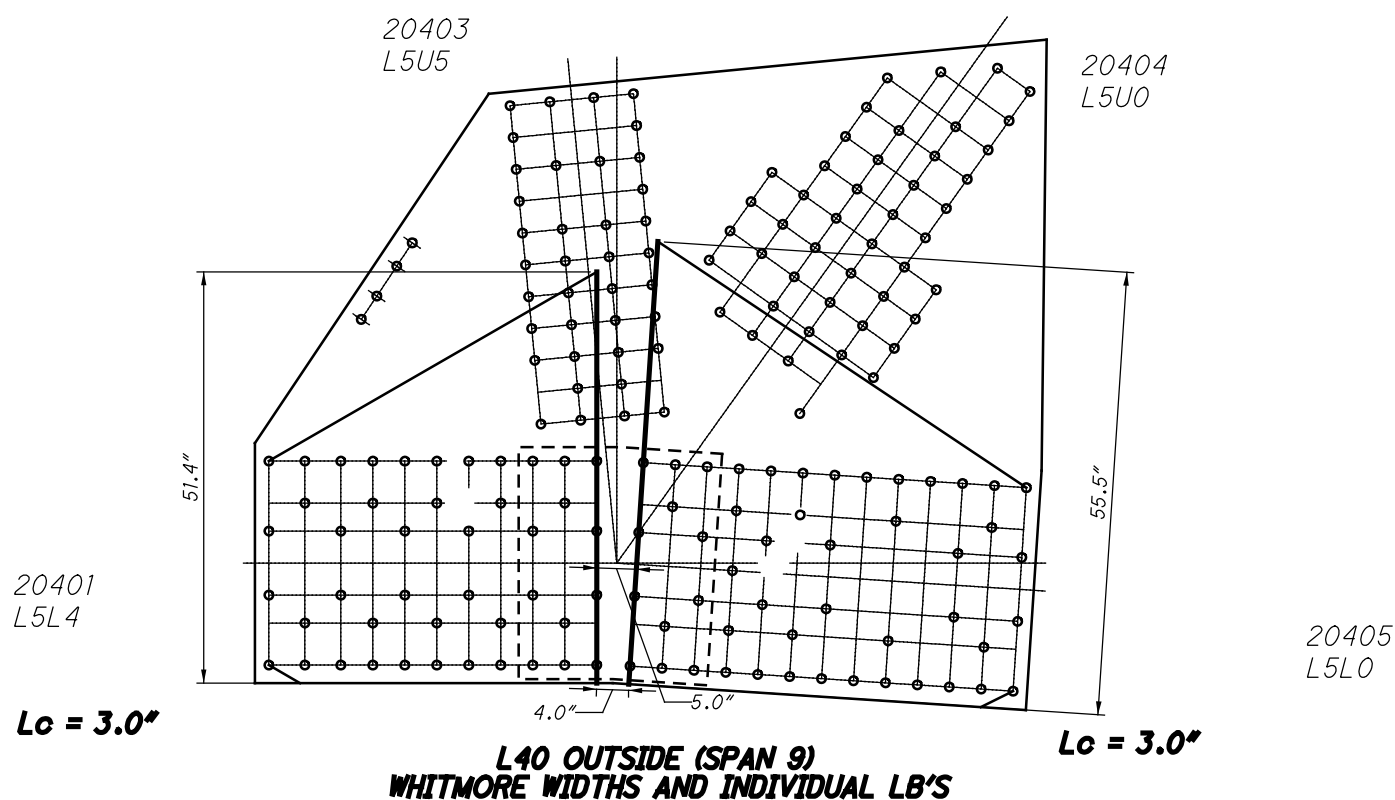


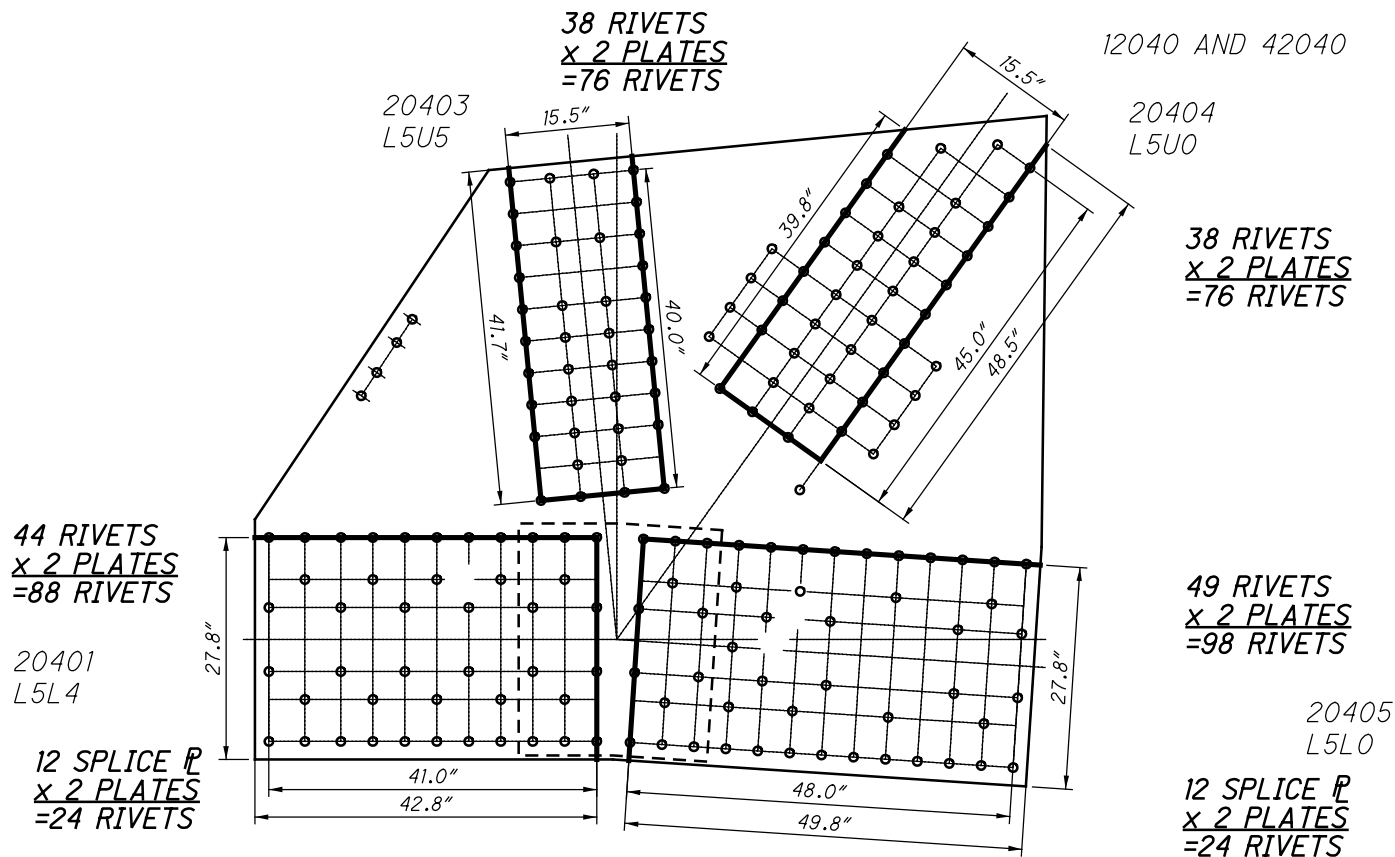
SPLICE PLATE
29" X 3/8" X 2'-1 1/2"

**L40 OUTSIDE (SPAN 9)
(NEAR SIDE AND FAR SIDE)**

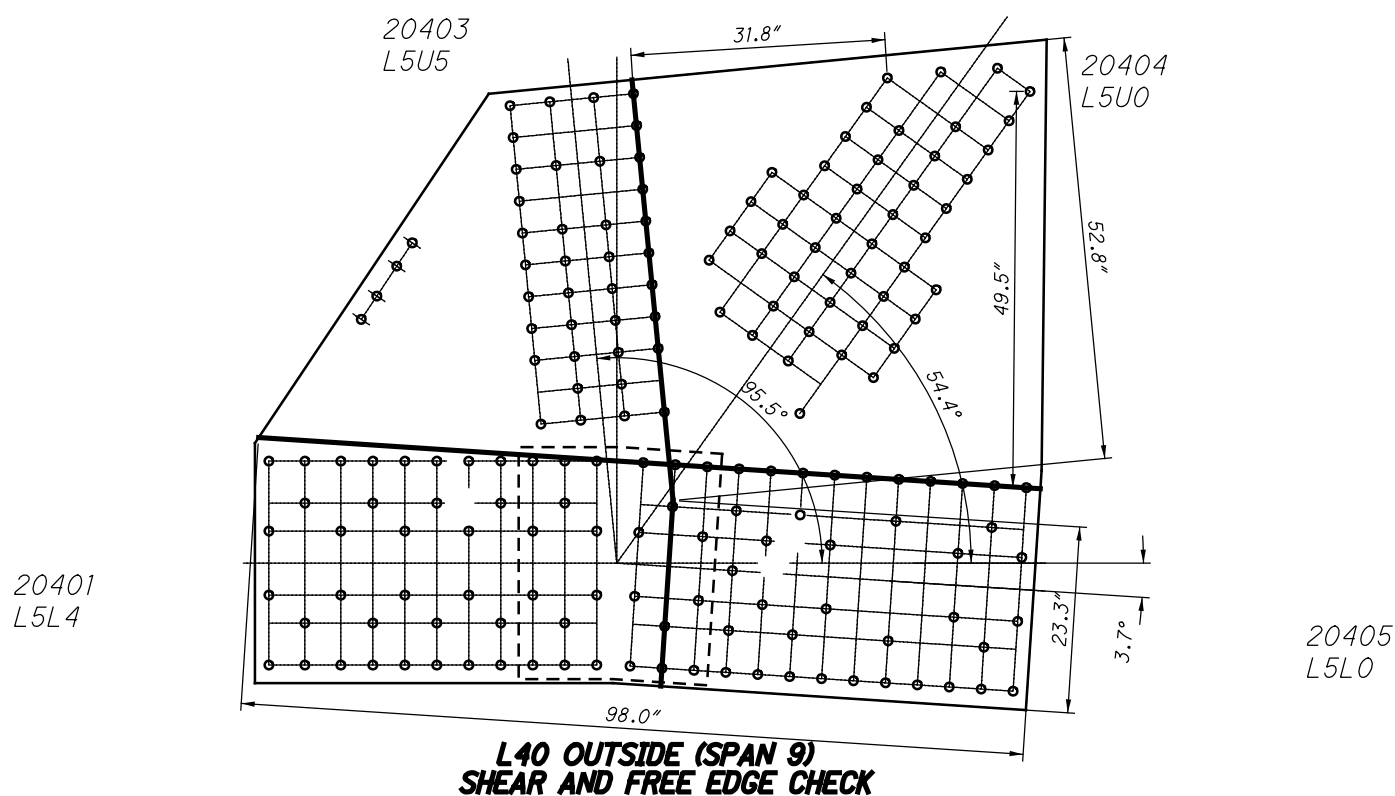


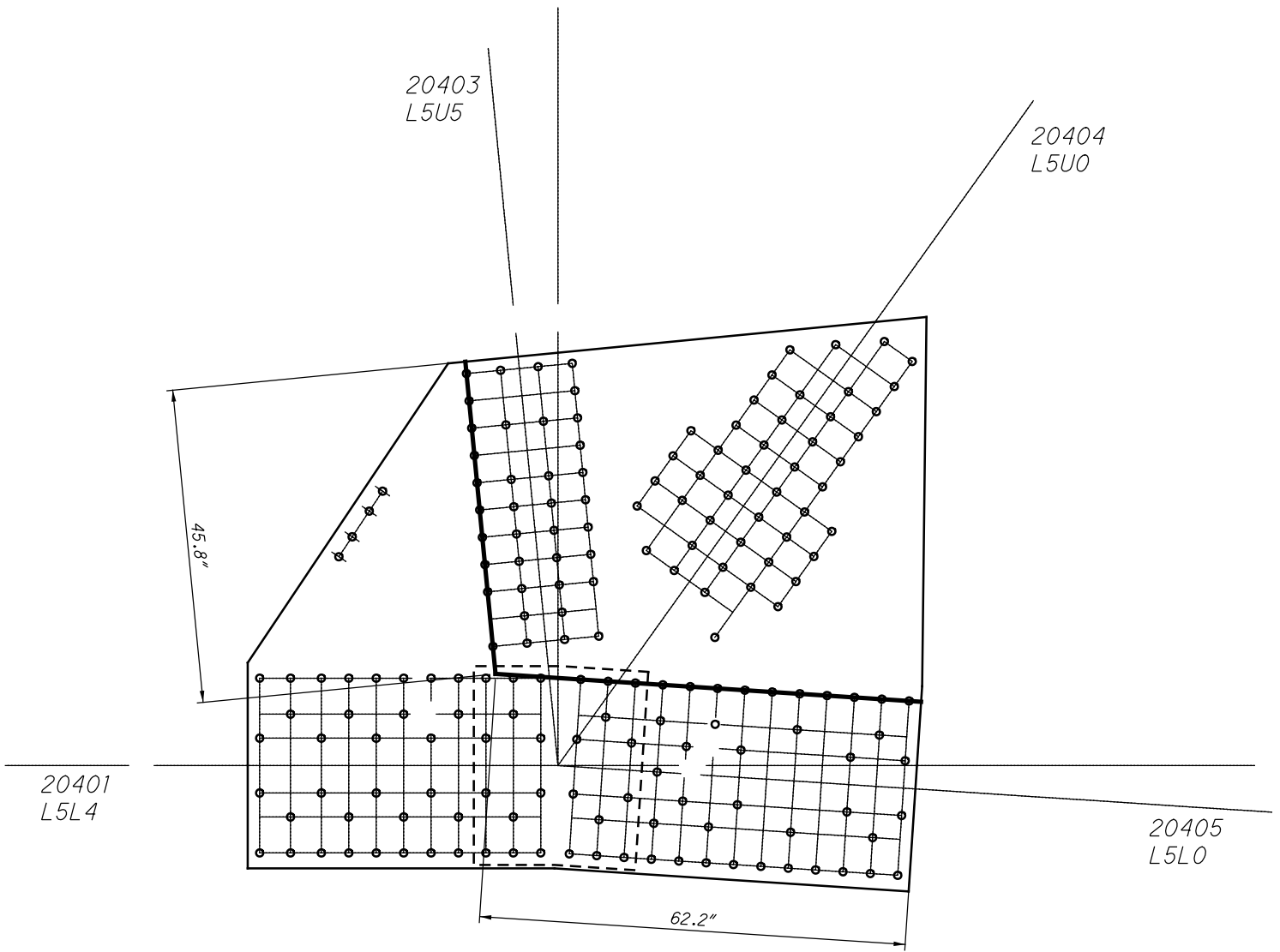
**L40 OUTSIDE (SPAN 9)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**





**L40 OUTSIDE (SPAN 9)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



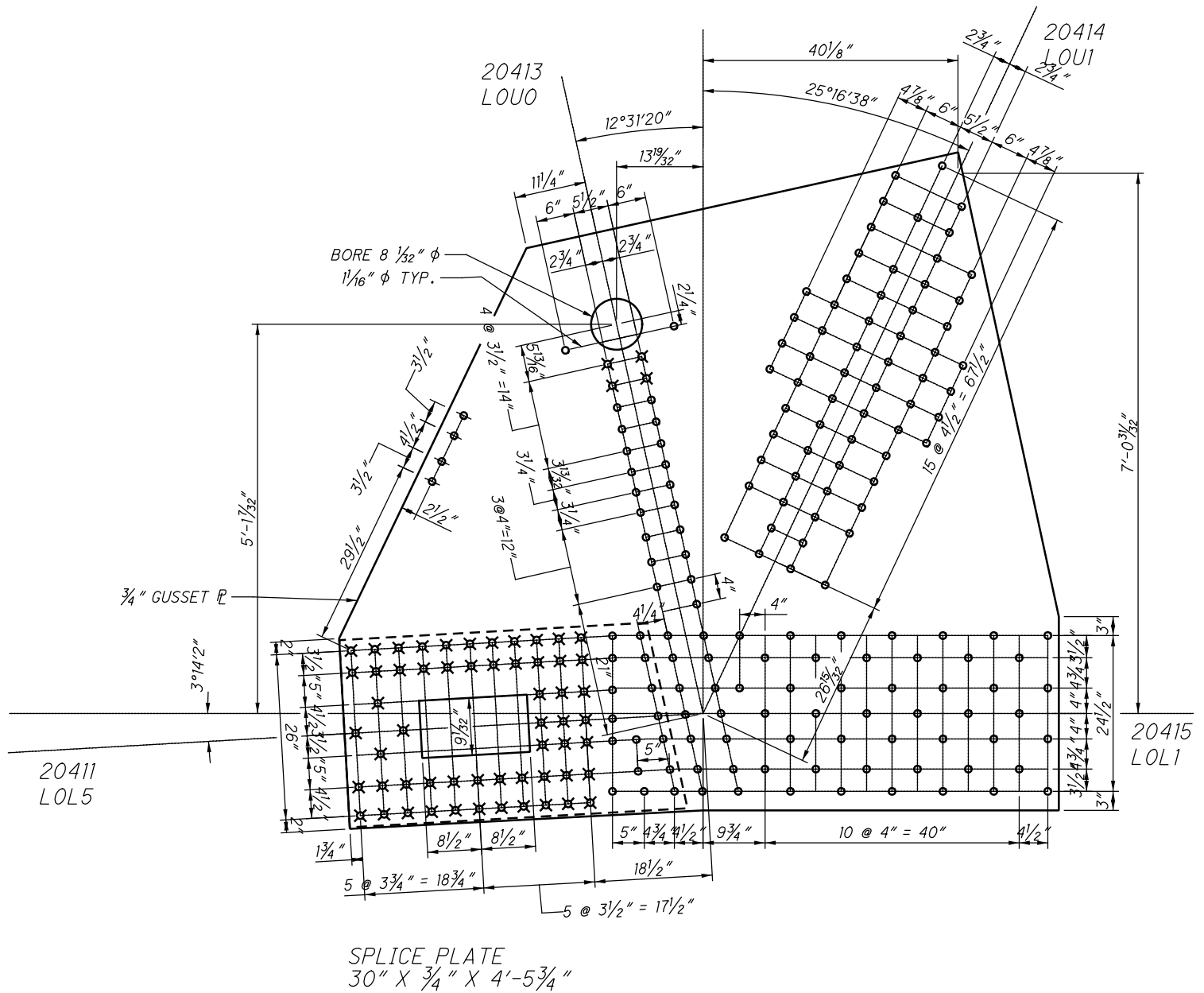


**L40 OUTSIDE (SPAN 9)
QUADRANT DIMENSIONS**

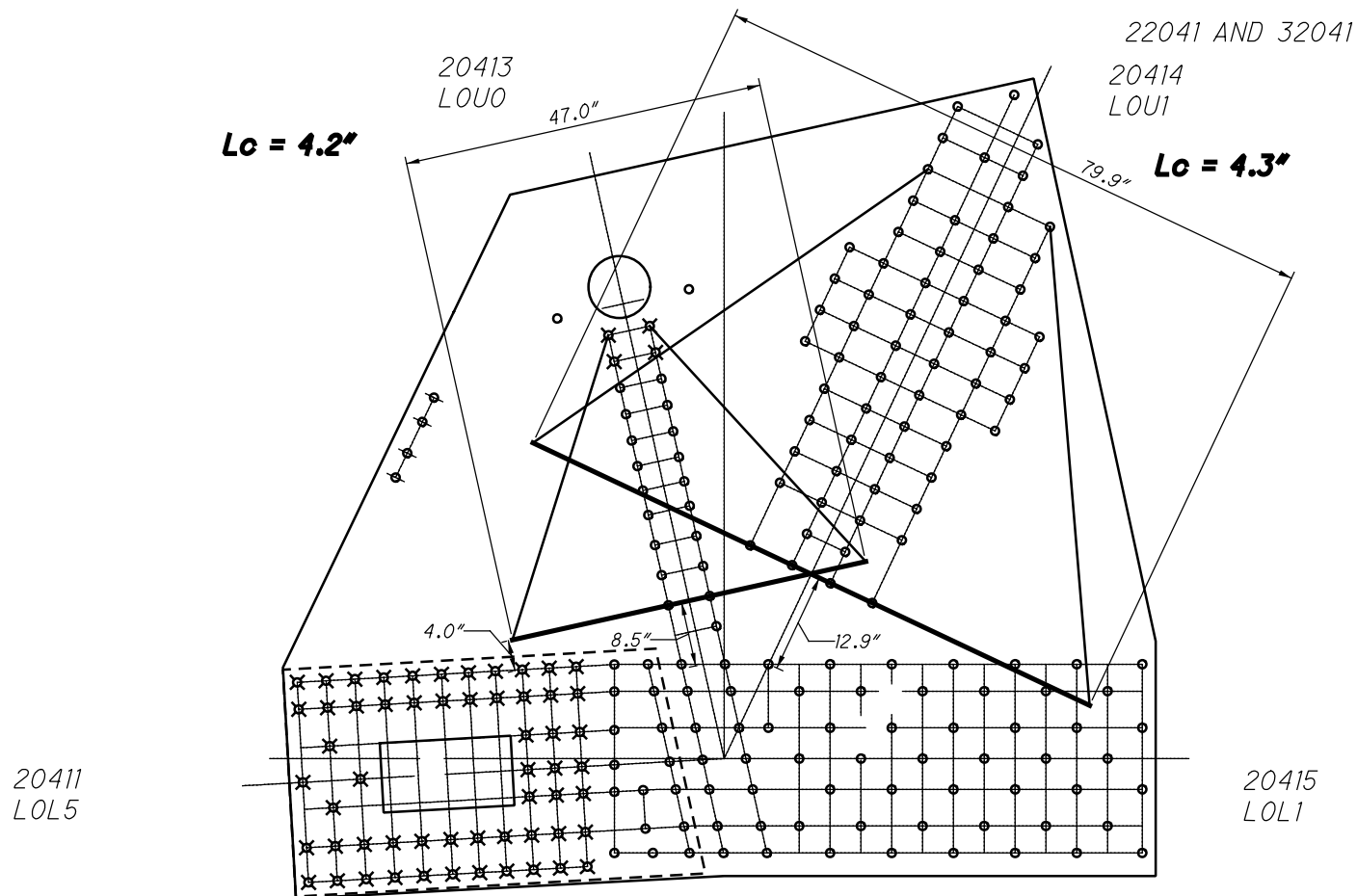
**SPAN 10 GUSSET PLATES
LORAIN CARNEGIE**

LEGEND

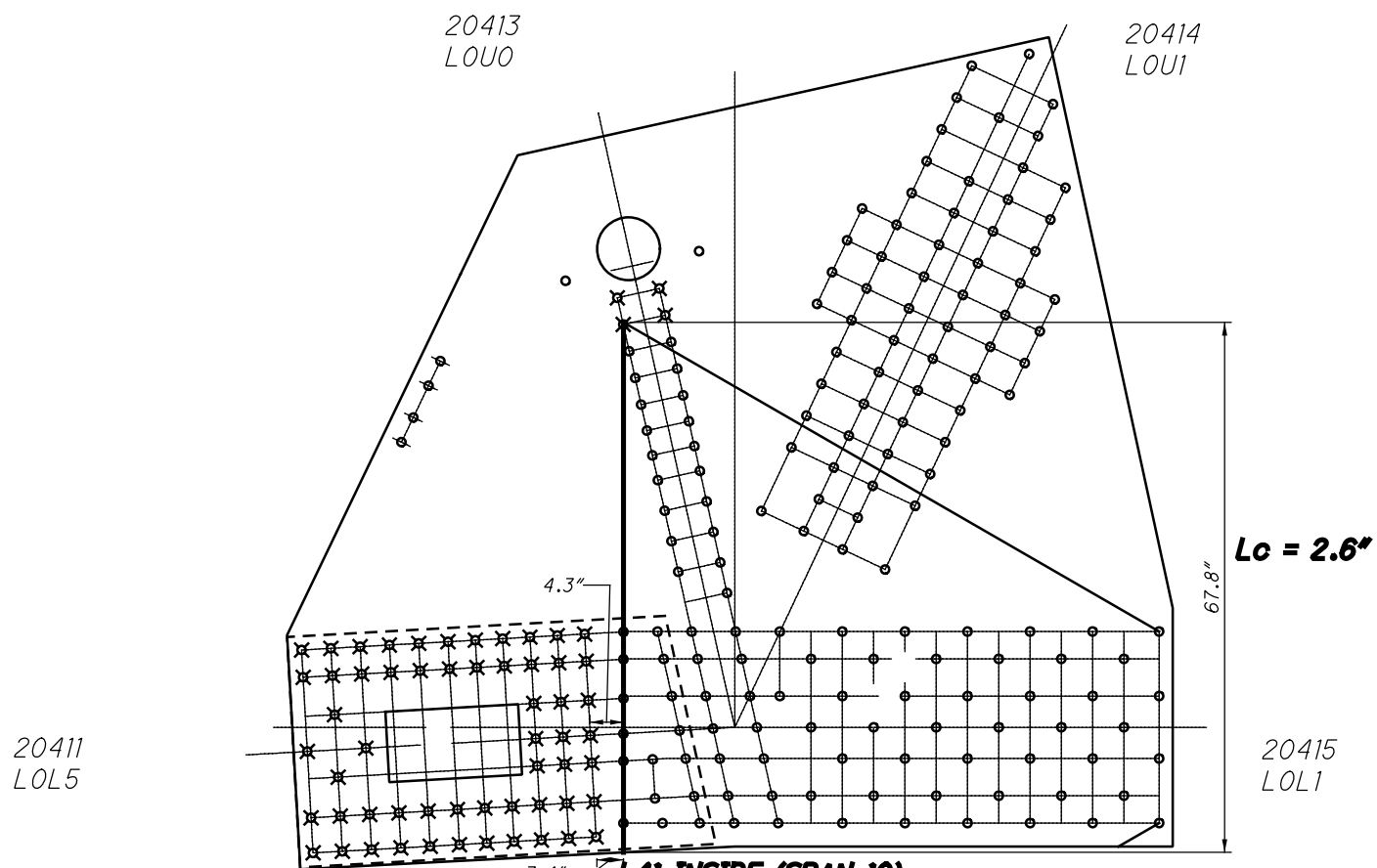
- 1 $\frac{1}{16}$ " HOLES TYPICAL
- 1 $\frac{3}{16}$ " HOLES TYPICAL



**L41 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



**L41 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L41 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20413
LOU0

22041 AND 32041

20414
LOU1

55 RIVETS
x 2 PLATES
=110 RIVETS

74 RIVETS
x 2 PLATES
=148 RIVETS

20411
LOL5

20415
LOL1

16 SPLICE P
x 2 PLATES
=32 RIVETS

**L41 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

20413
LOU0

20414
LOU1

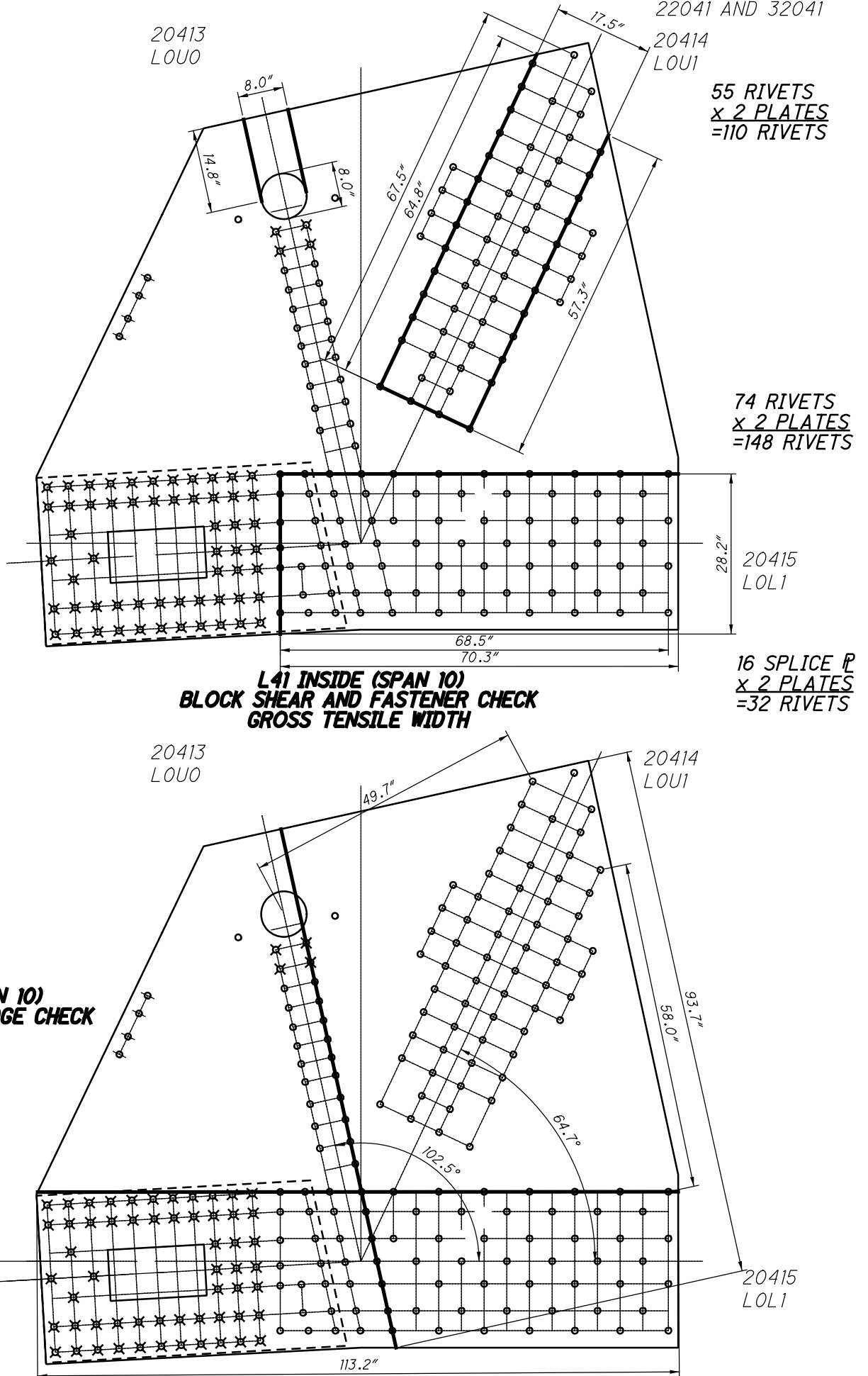
**L41 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

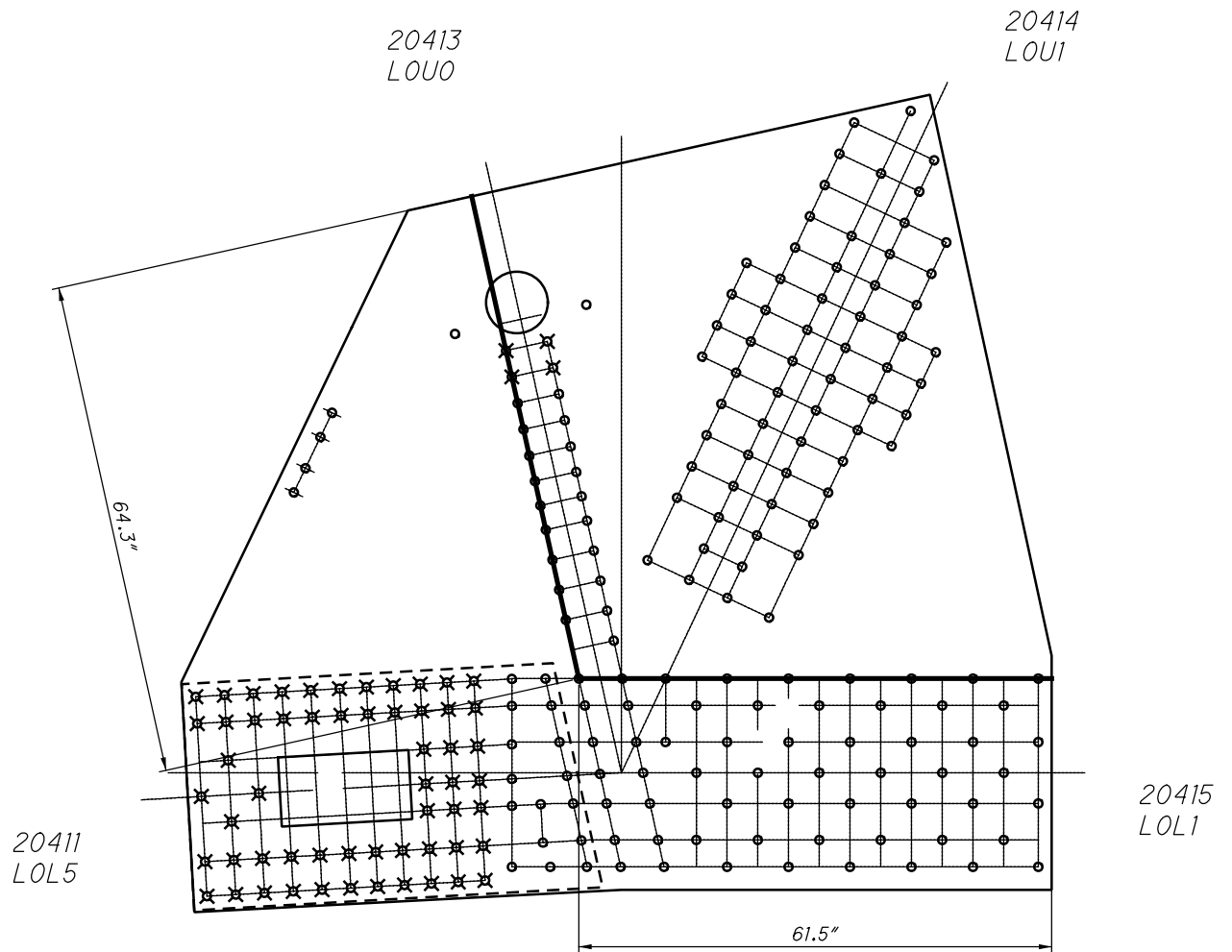
20411
LOL5

20415
LOL1

3.2°

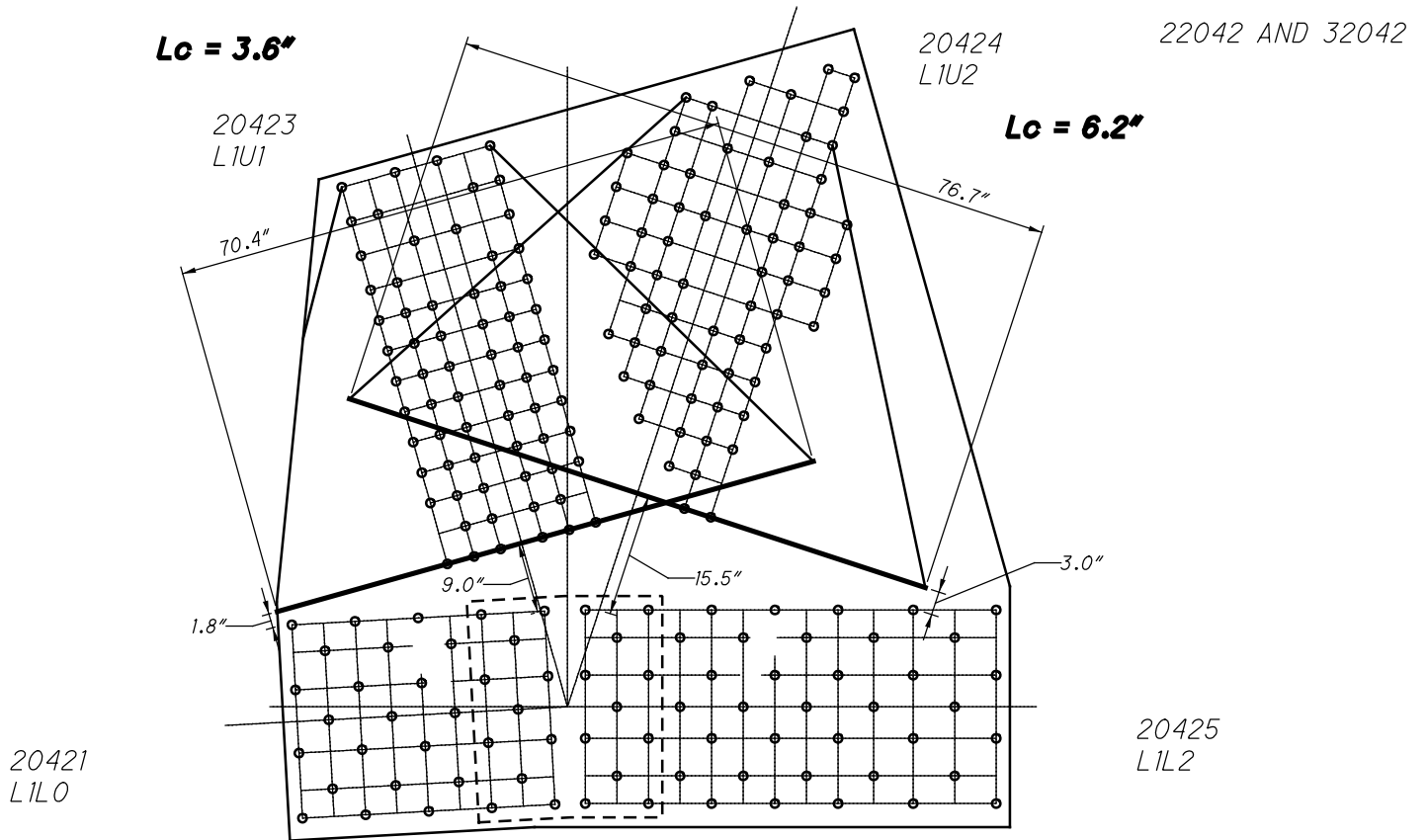
113.2"



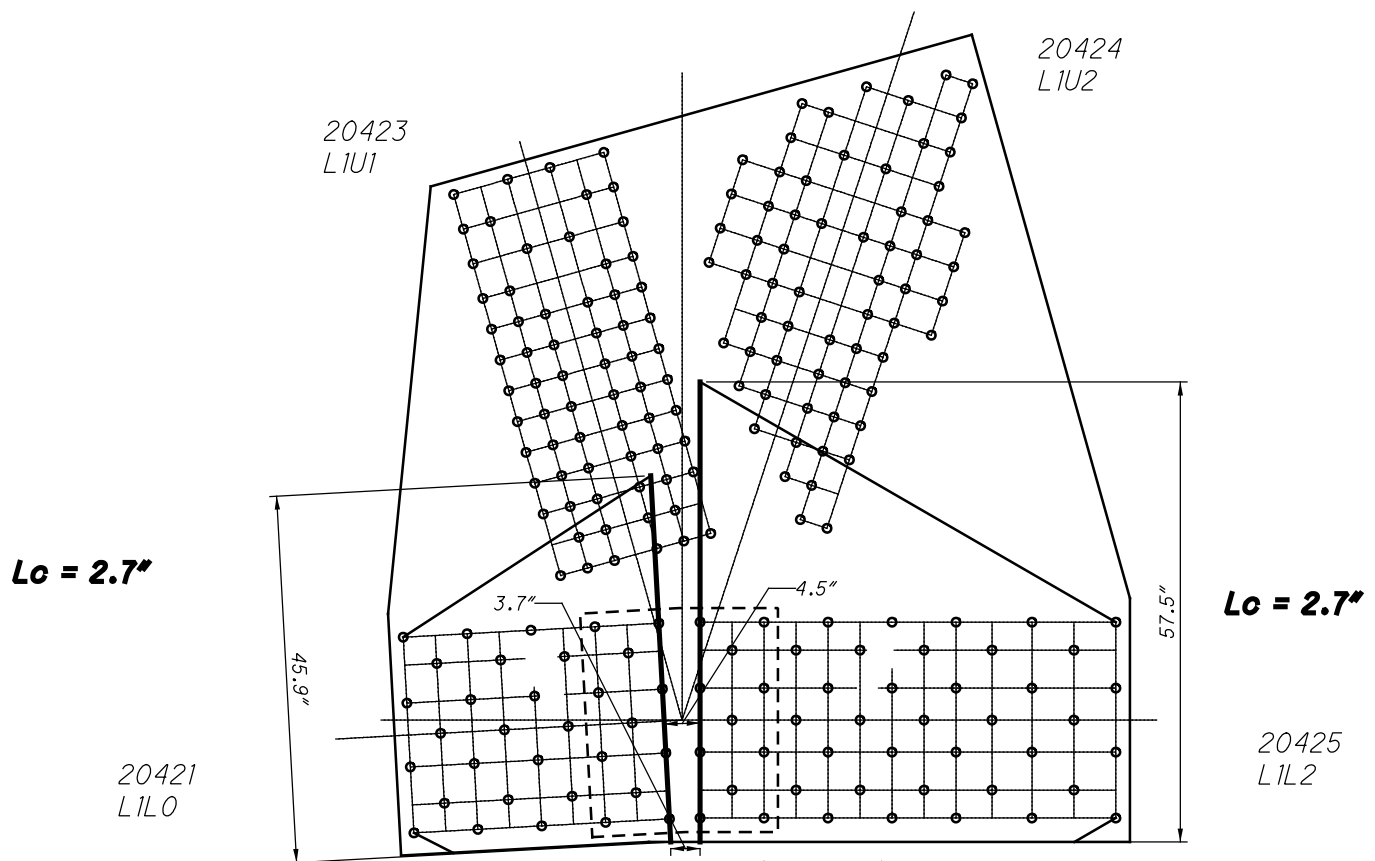


**L41 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

**L42 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



**L42 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L42 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

68 RIVETS
x 2 PLATES
 =136 RIVETS

20423
 L1U1

20424
 L1U2

22042 AND 32042

54 RIVETS
x 2 PLATES
 =108 RIVETS

32 RIVETS
x 2 PLATES
 =64 RIVETS

20421
 L1L0

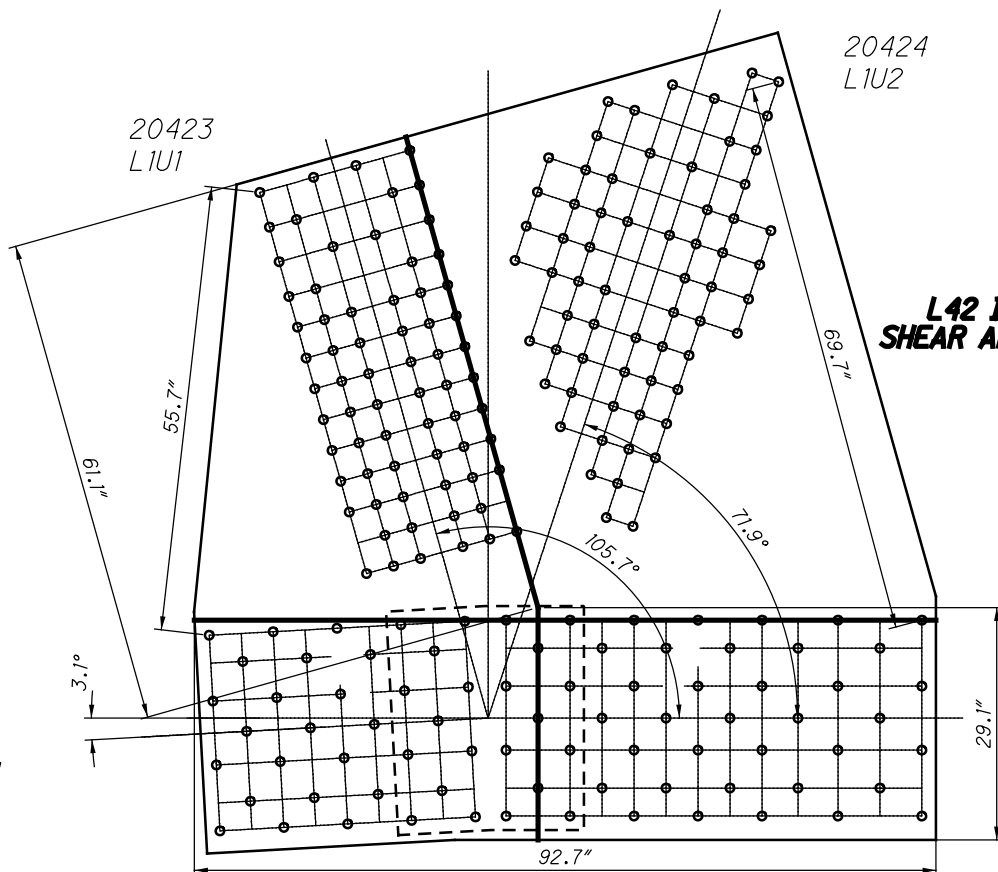
11 SPLICE P
x 2 PLATES
 =22 RIVETS

46 RIVETS
x 2 PLATES
 =92 RIVETS

20425
 L1L2

11 SPLICE P
x 2 PLATES
 =22 RIVETS

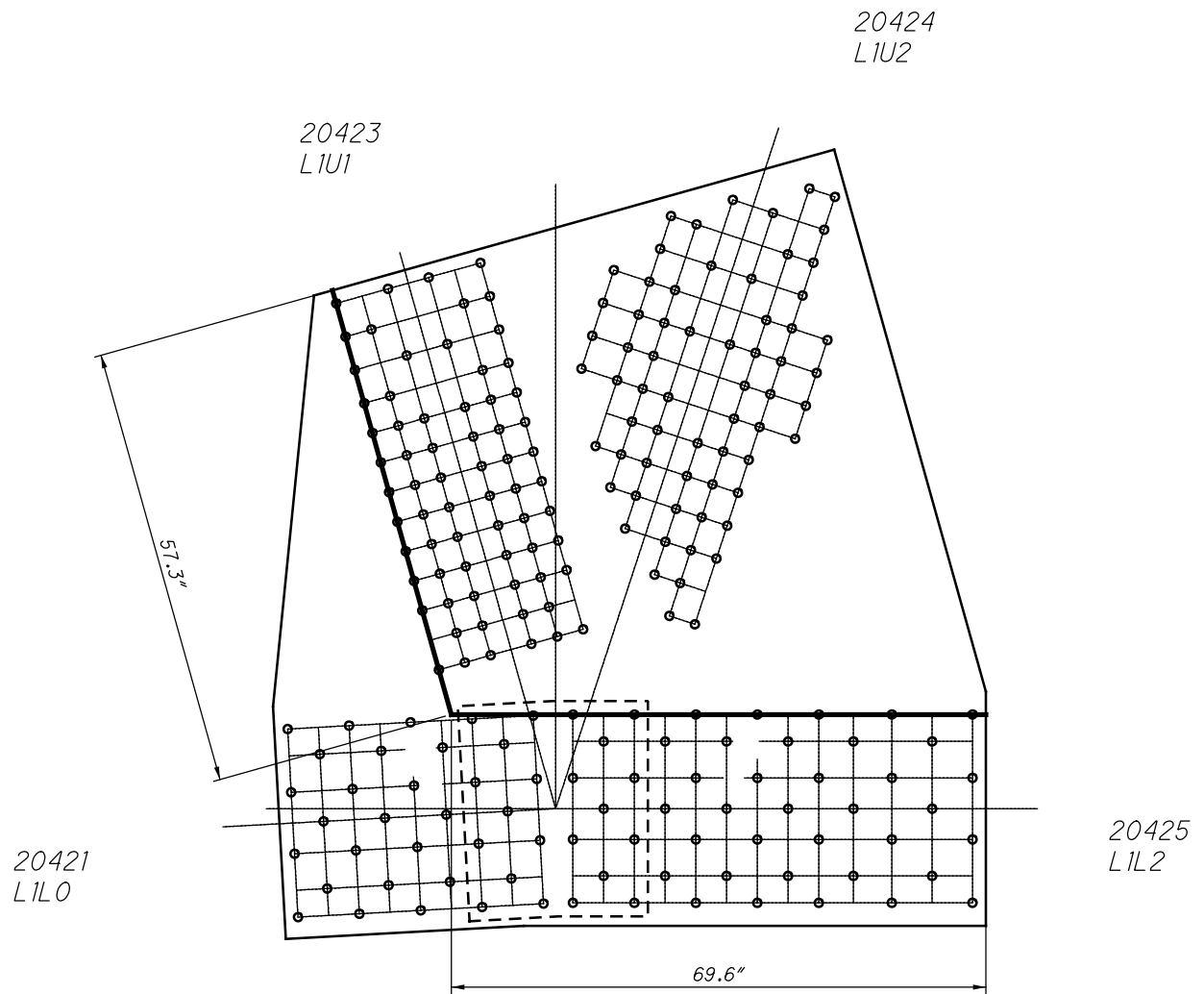
**L42 INSIDE (SPAN 10)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**



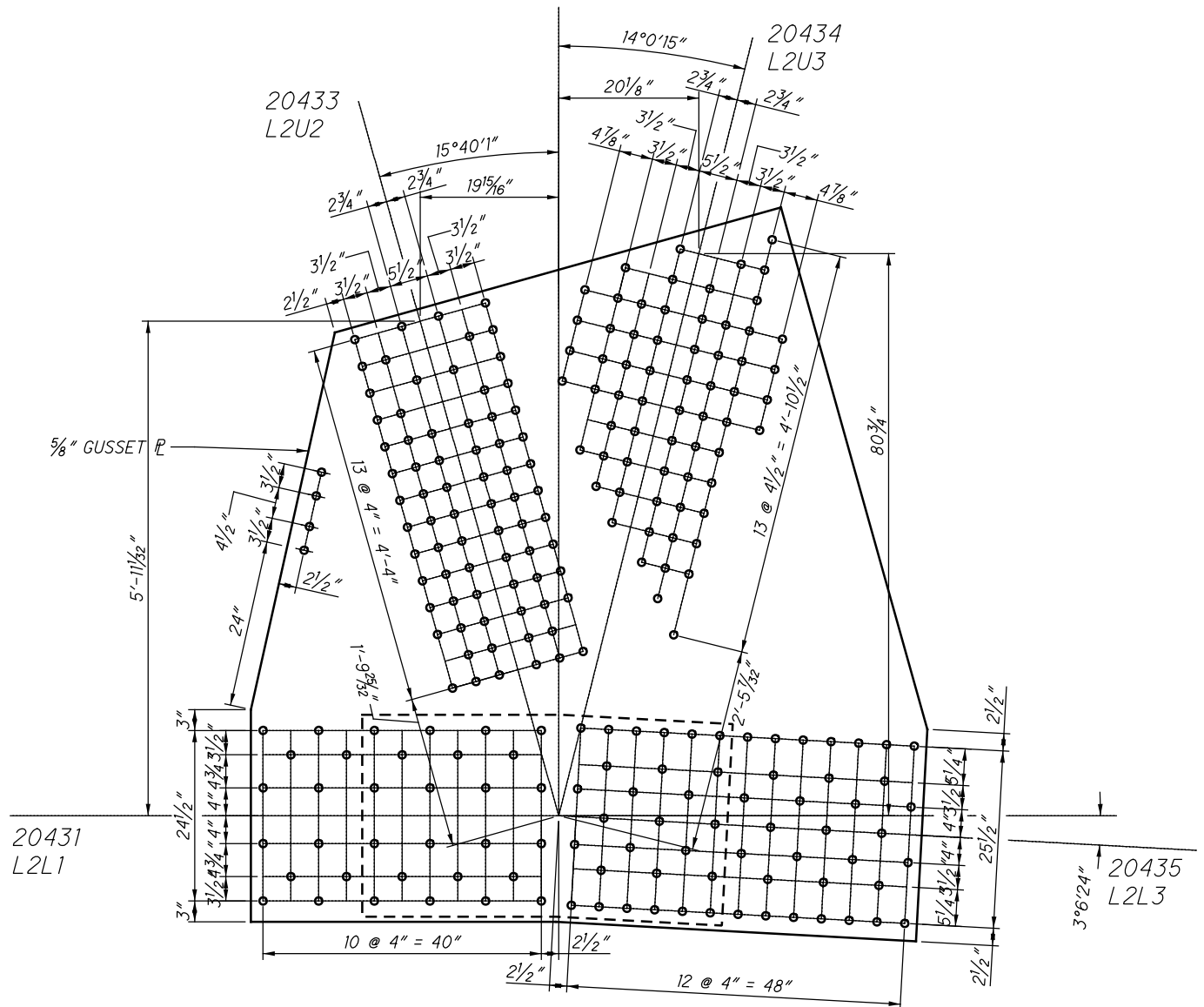
**L42 INSIDE (SPAN 10)
 SHEAR AND FREE EDGE CHECK**

20421
 L1L0

20425
 L1L2



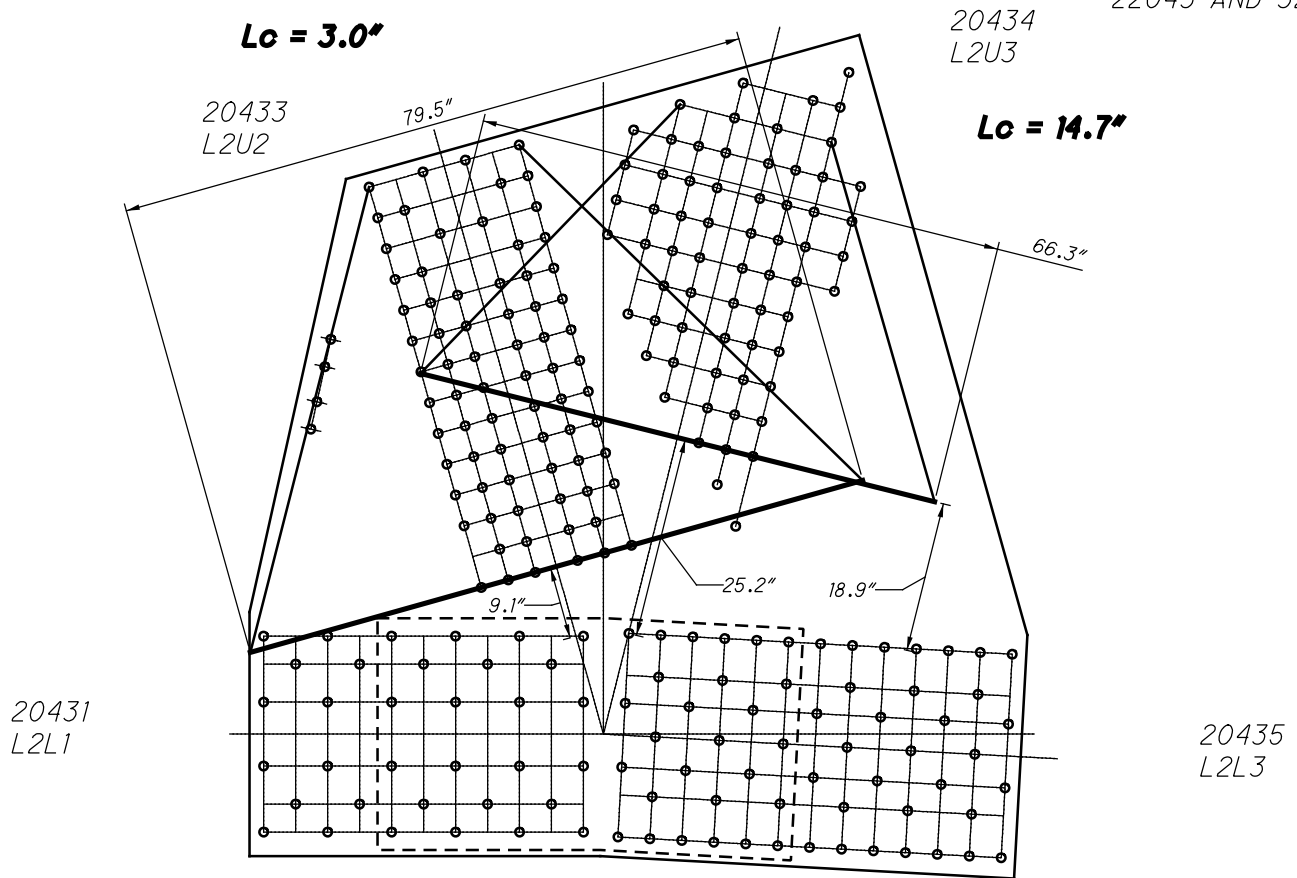
**L42 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



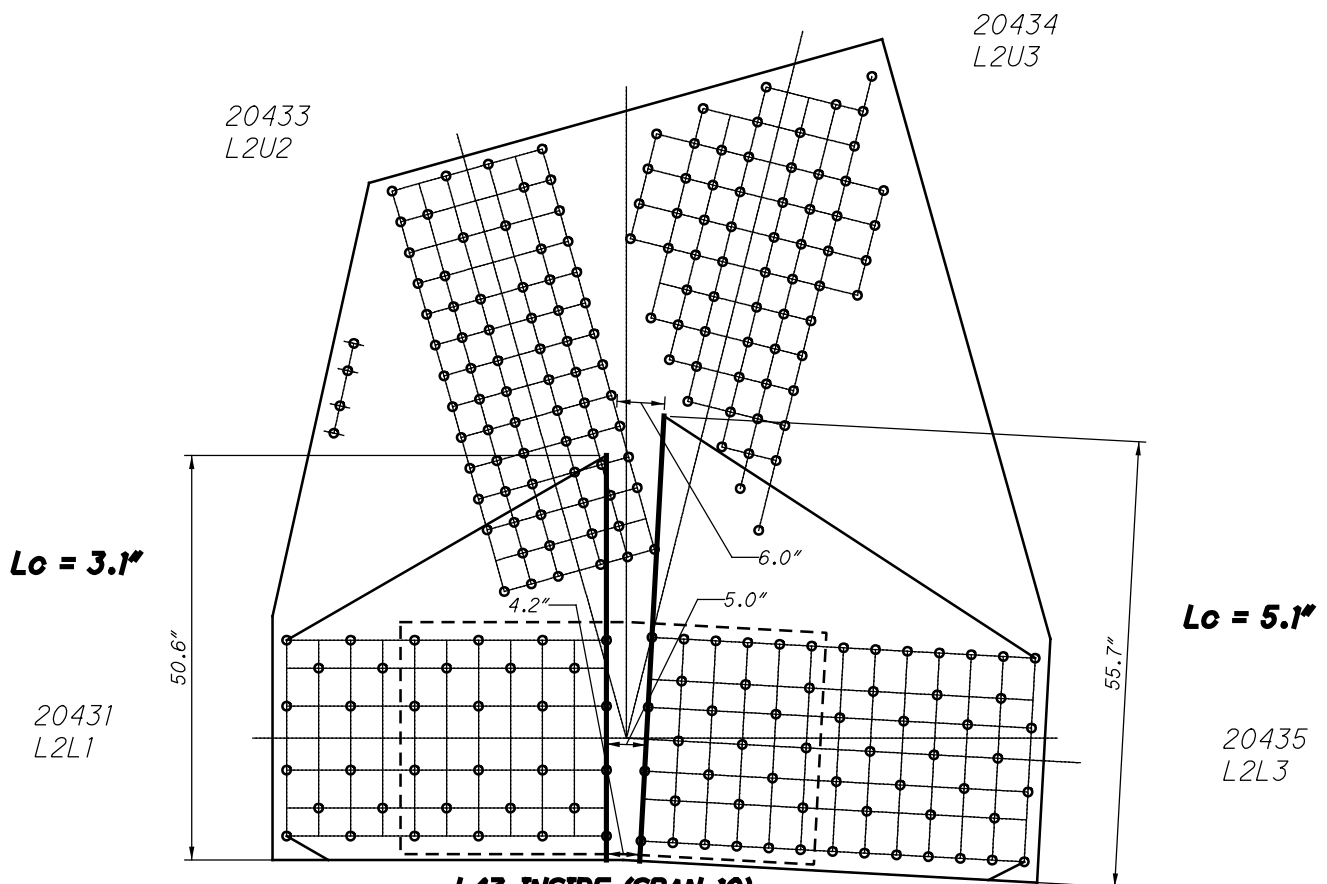
SPLICE PLATE
30" X 7/16" X 4'-5 1/2"

**L43 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

22043 AND 32043



**L43 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L43 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

74 RIVETS
x 2 PLATES
=148 RIVETS

20434
L2U3

22043 AND 32043

57 RIVETS
x 2 PLATES
=114 RIVETS

20433
L2U2

34 RIVETS
x 2 PLATES
=68 RIVETS

20431
L2L1

58 RIVETS
x 2 PLATES
=116 RIVETS

20435
L2L3

22 SPLICE P
x 2 PLATES
=44 RIVETS

27 SPLICE P
x 2 PLATES
=54 RIVETS

**L43 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

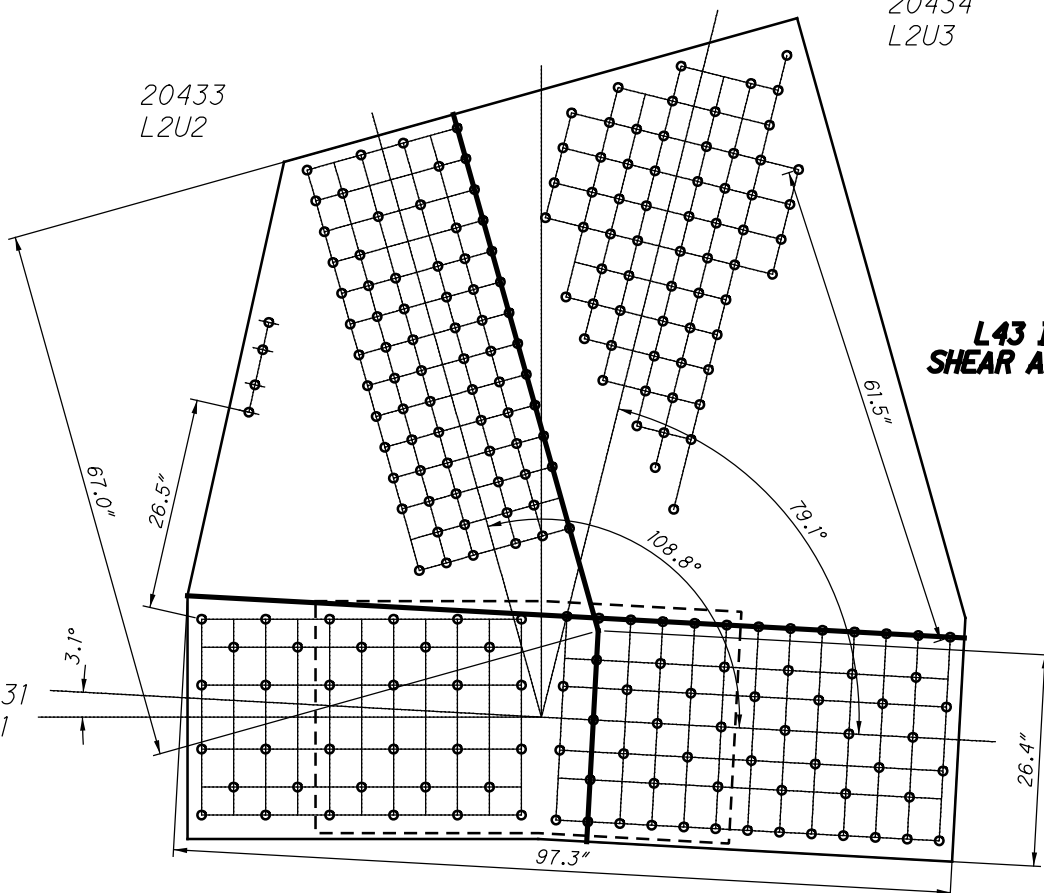
20434
L2U3

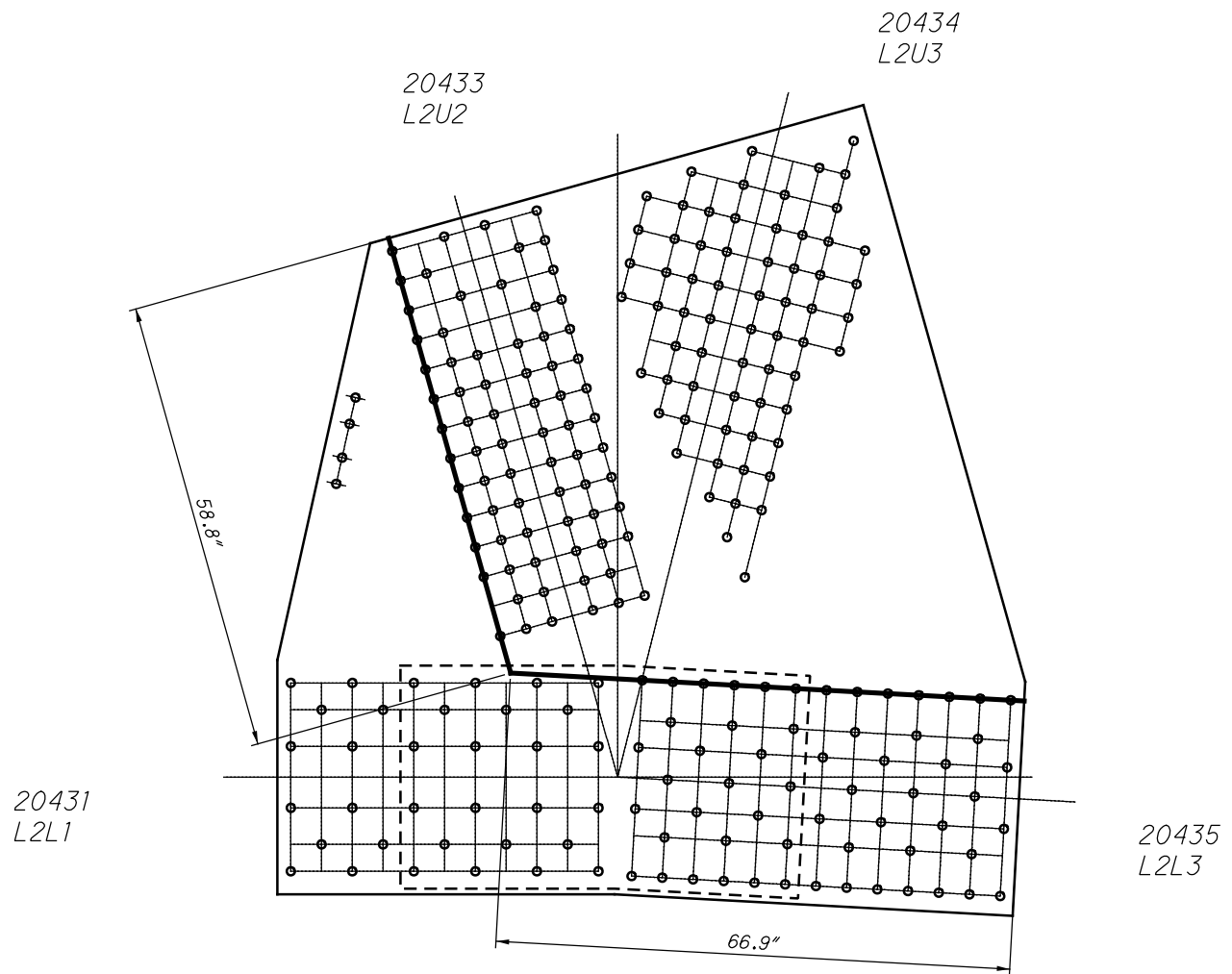
20433
L2U2

**L43 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

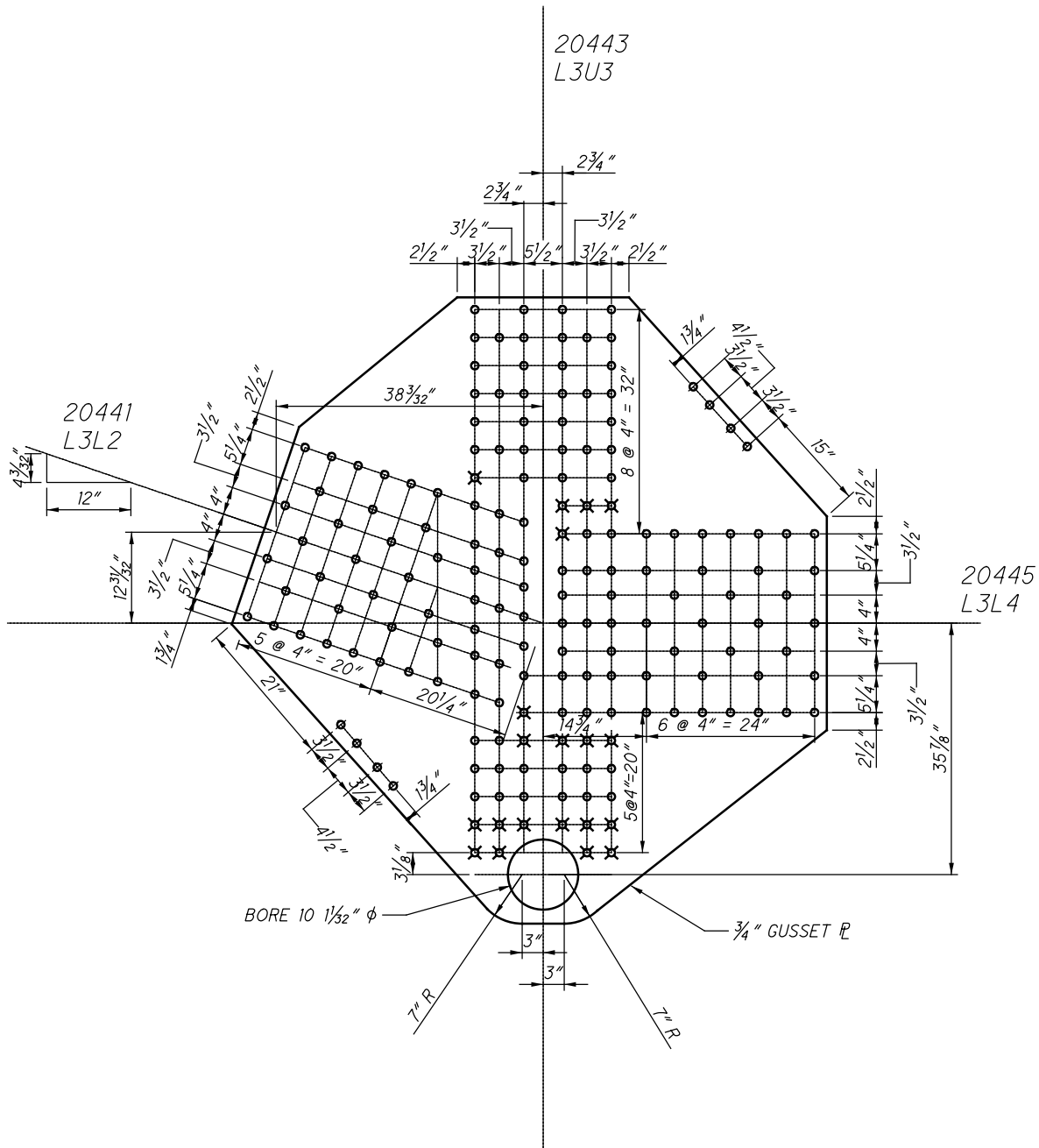
20431
L2L1

20435
L2L3





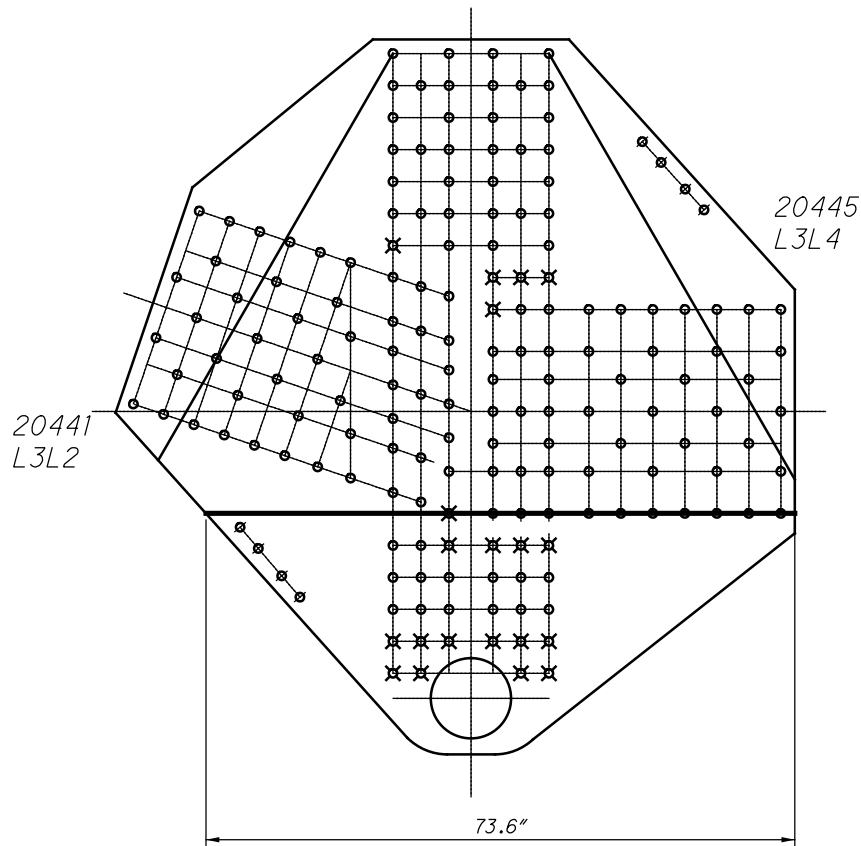
**L43 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L44 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

20443
L3U3

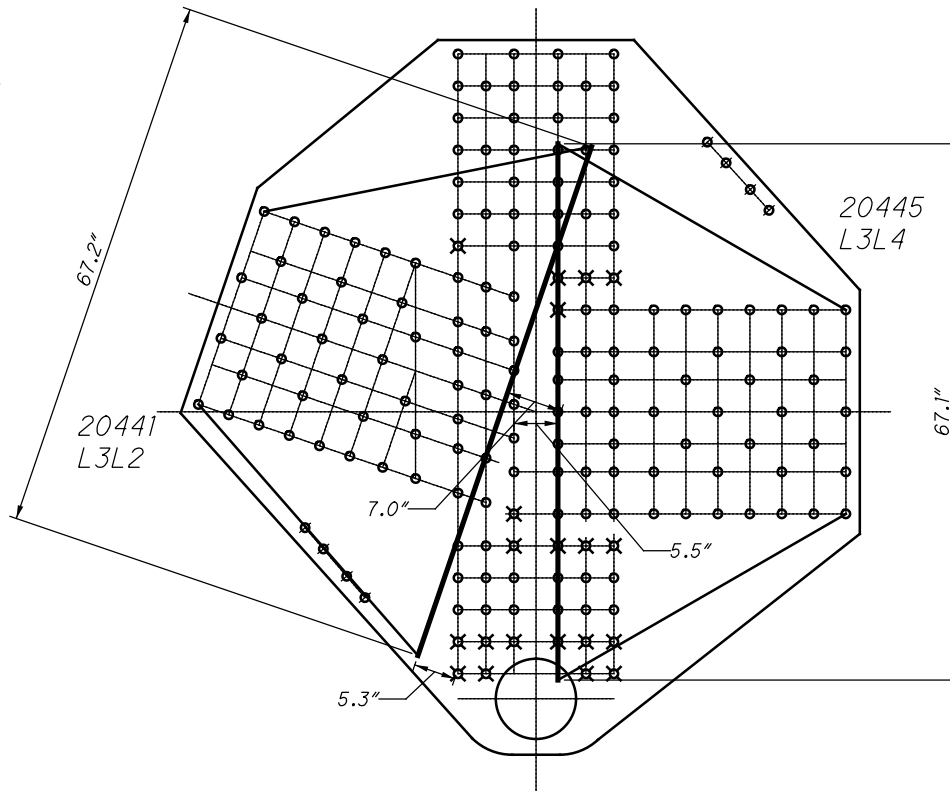
22044 AND 32044



**L44 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20443
L3U3

$L_c = 4.1"$



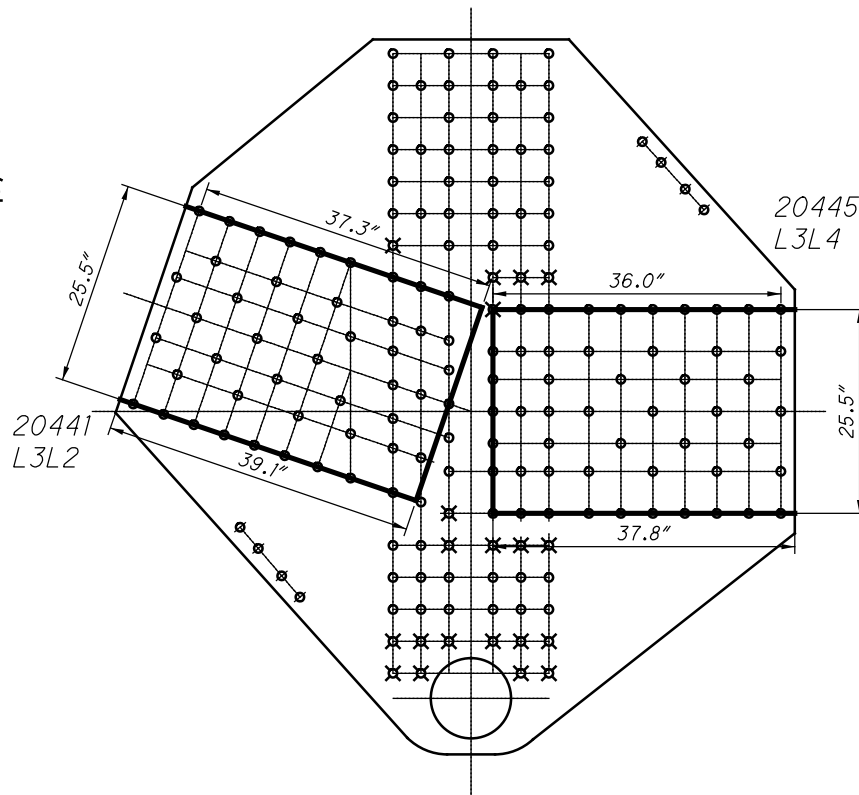
$L_c = 1.8"$

**L44 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20443
L3U3

22044 AND 32044

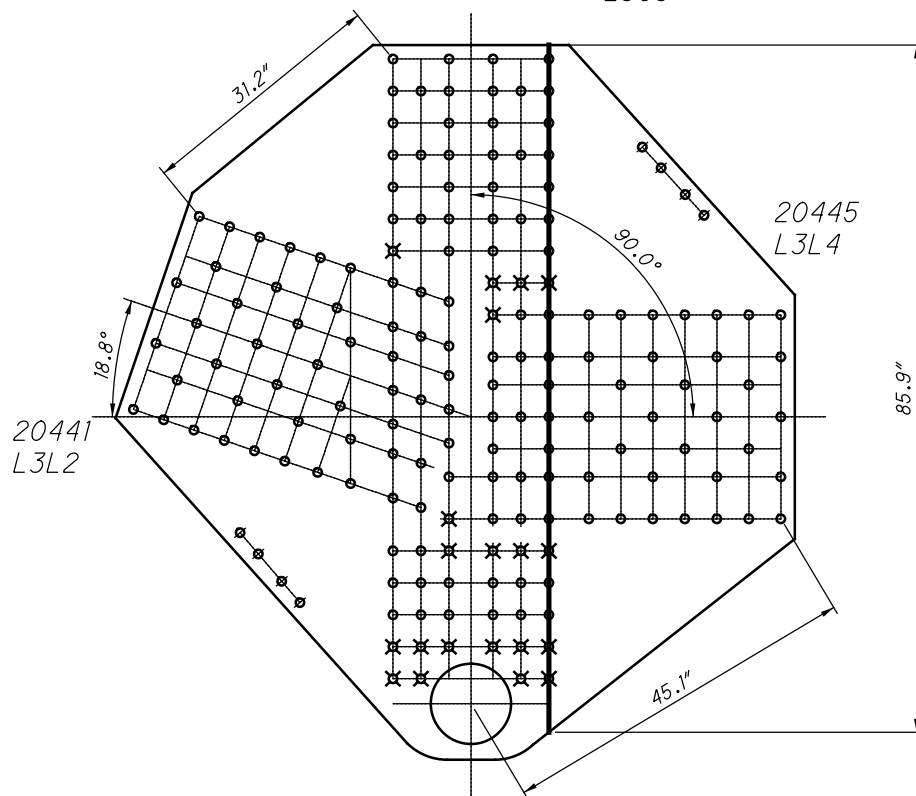
48 RIVETS
x 2 PLATES
=96 RIVETS



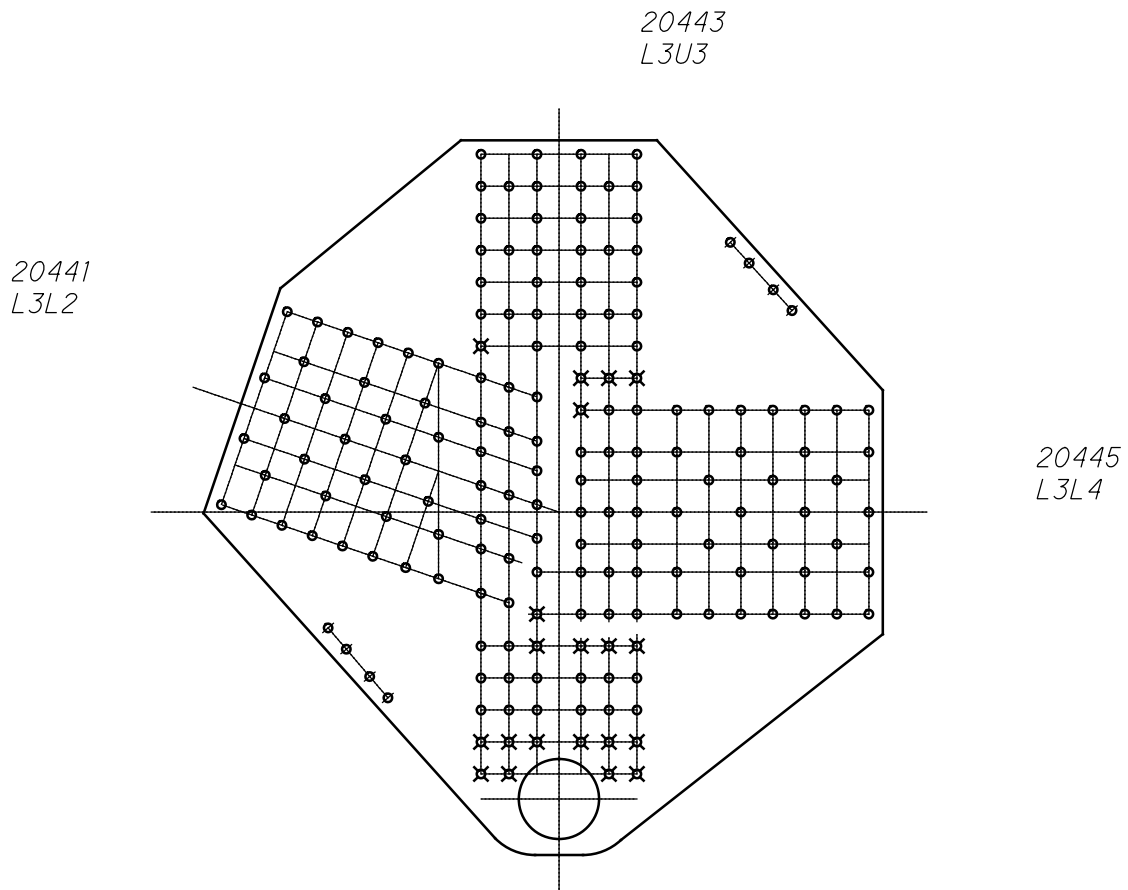
51 RIVETS
x 2 PLATES
=102 RIVETS

**L44 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

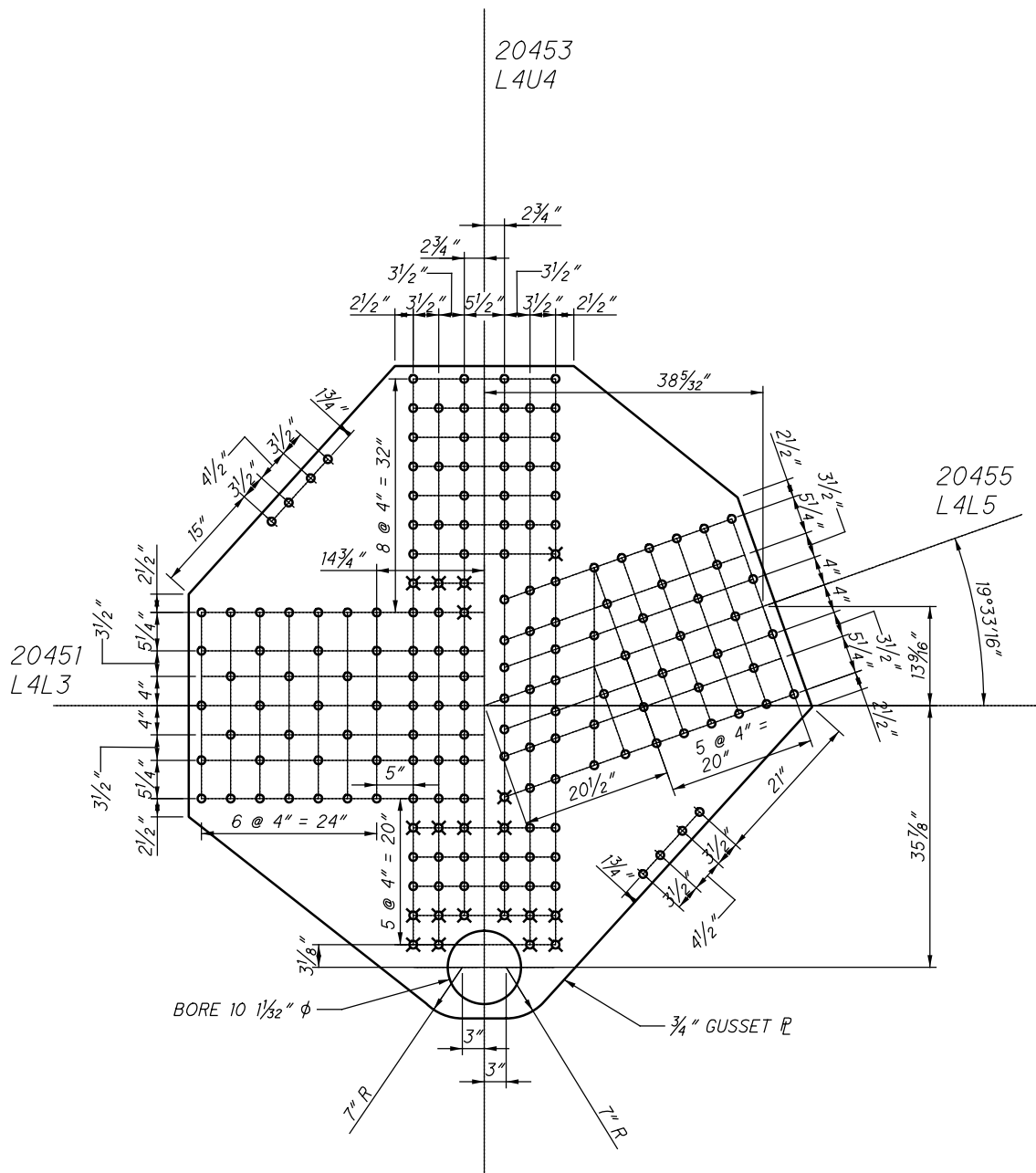
20443
L3U3



**L44 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

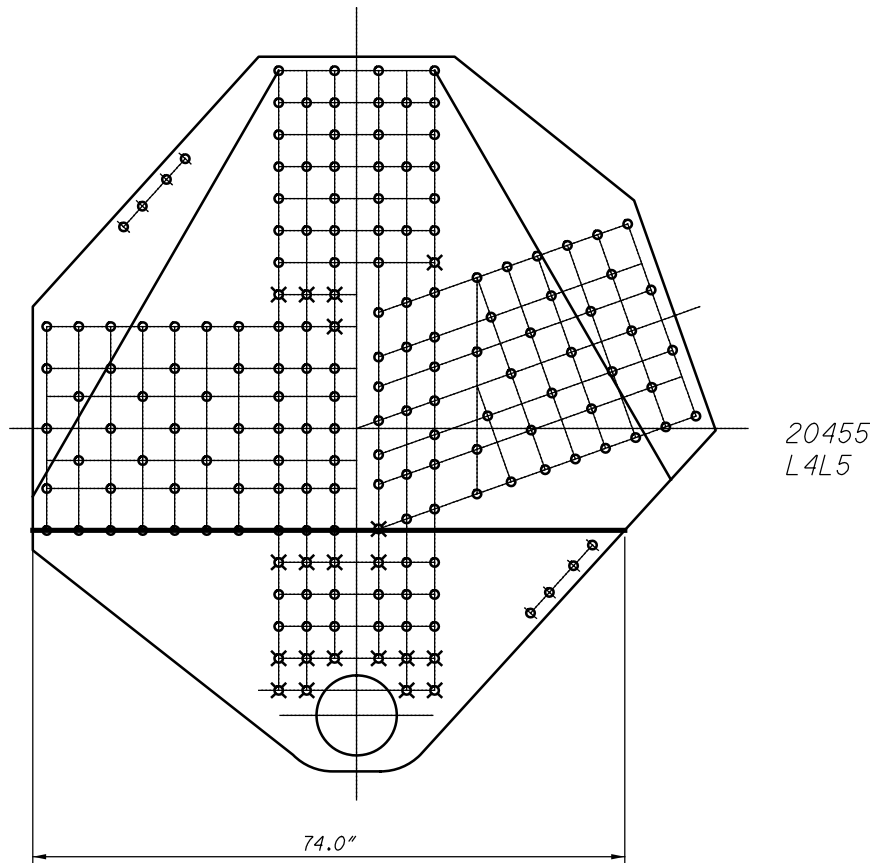


**L44 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

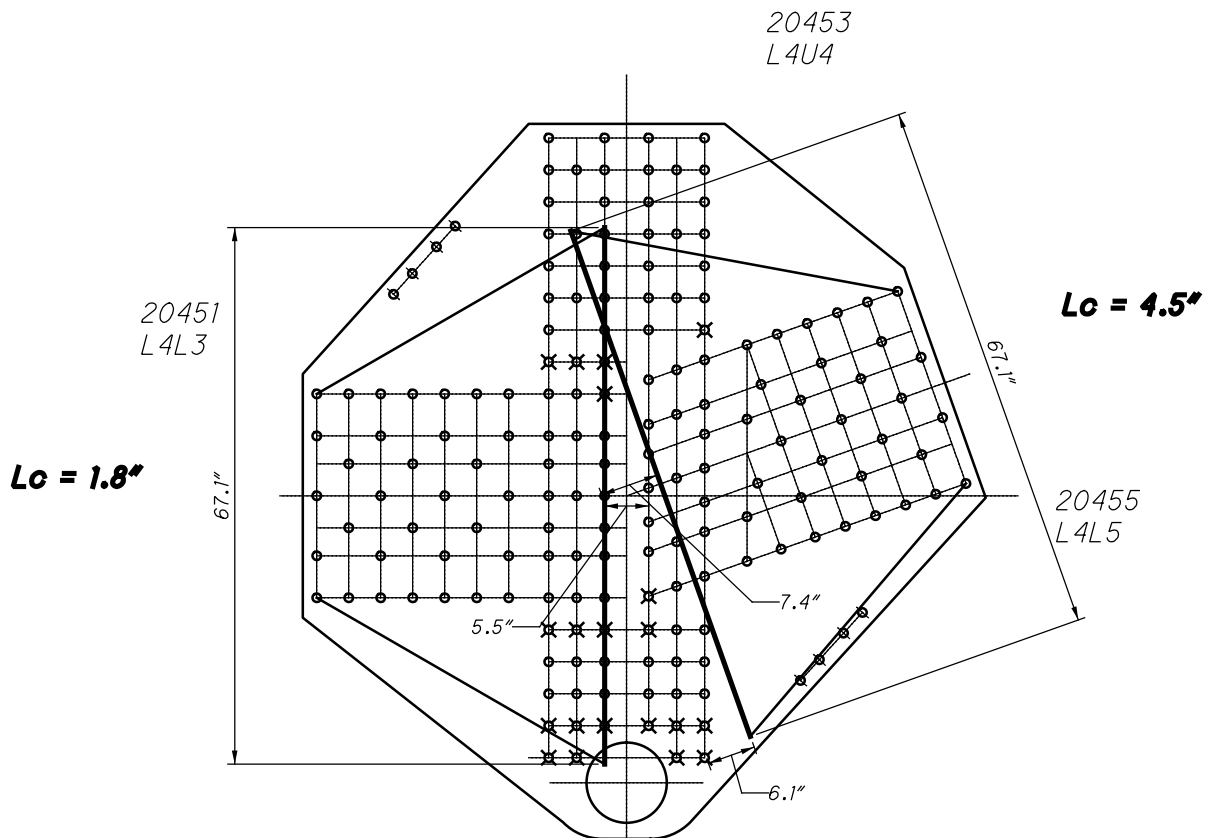


**L45 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

22045 AND 32045



20453
L4U4



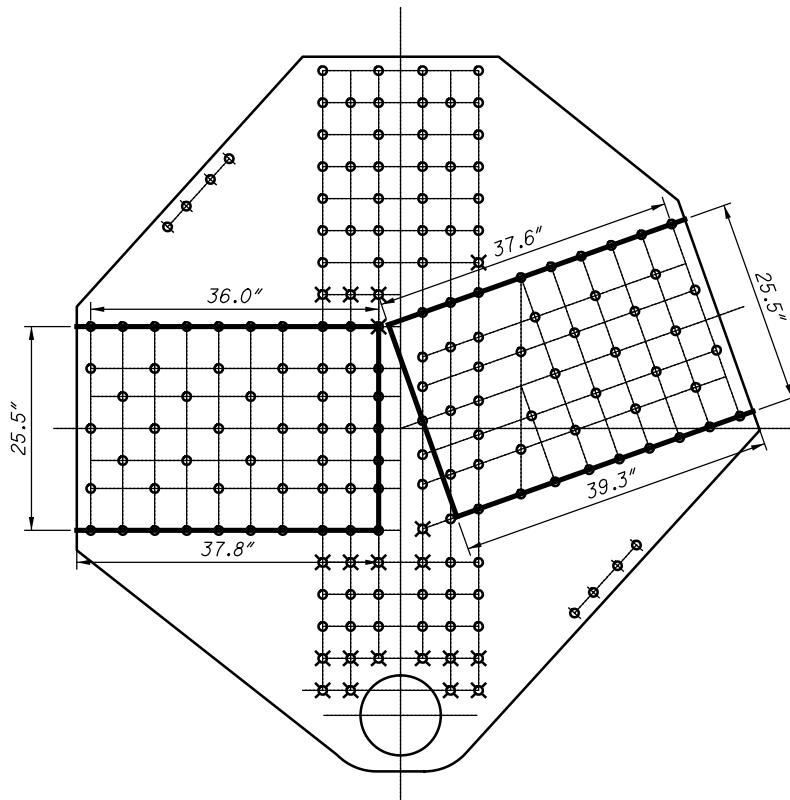
**L45 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20453
L4U4

22045 AND 32045

20451
L4L3

51 RIVETS
x 2 PLATES
=102 RIVETS

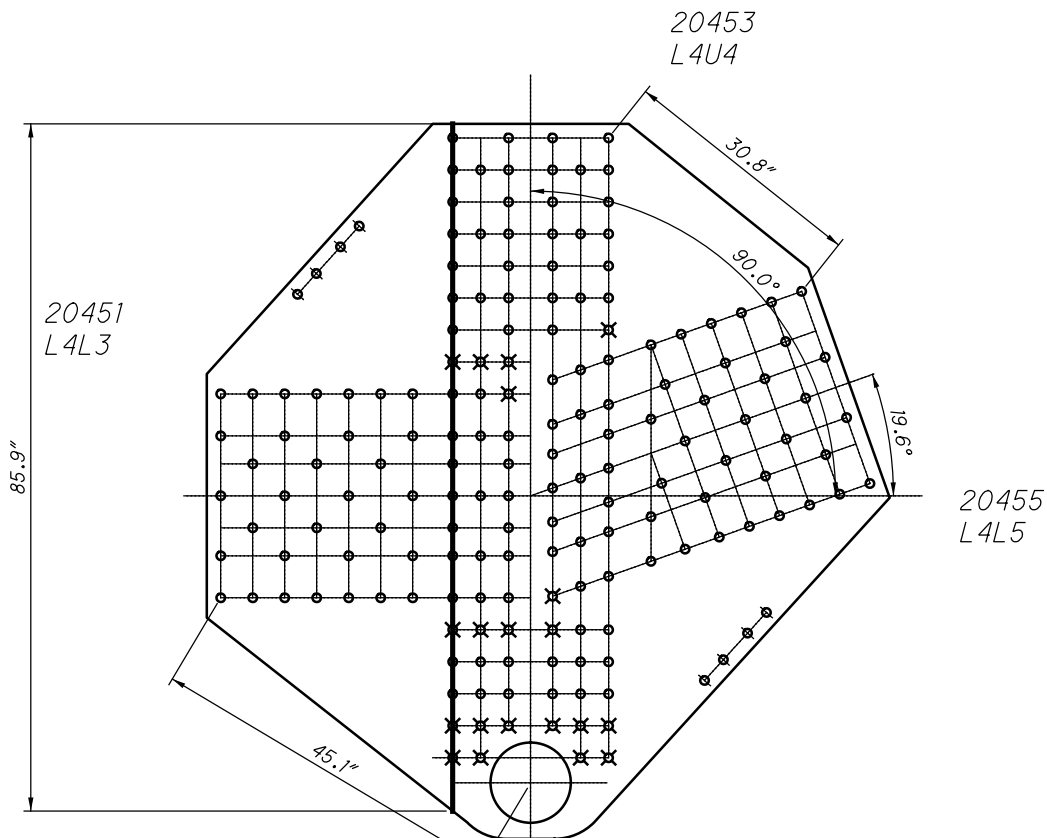


48 RIVETS
x 2 PLATES
=96 RIVETS

20455
L4L5

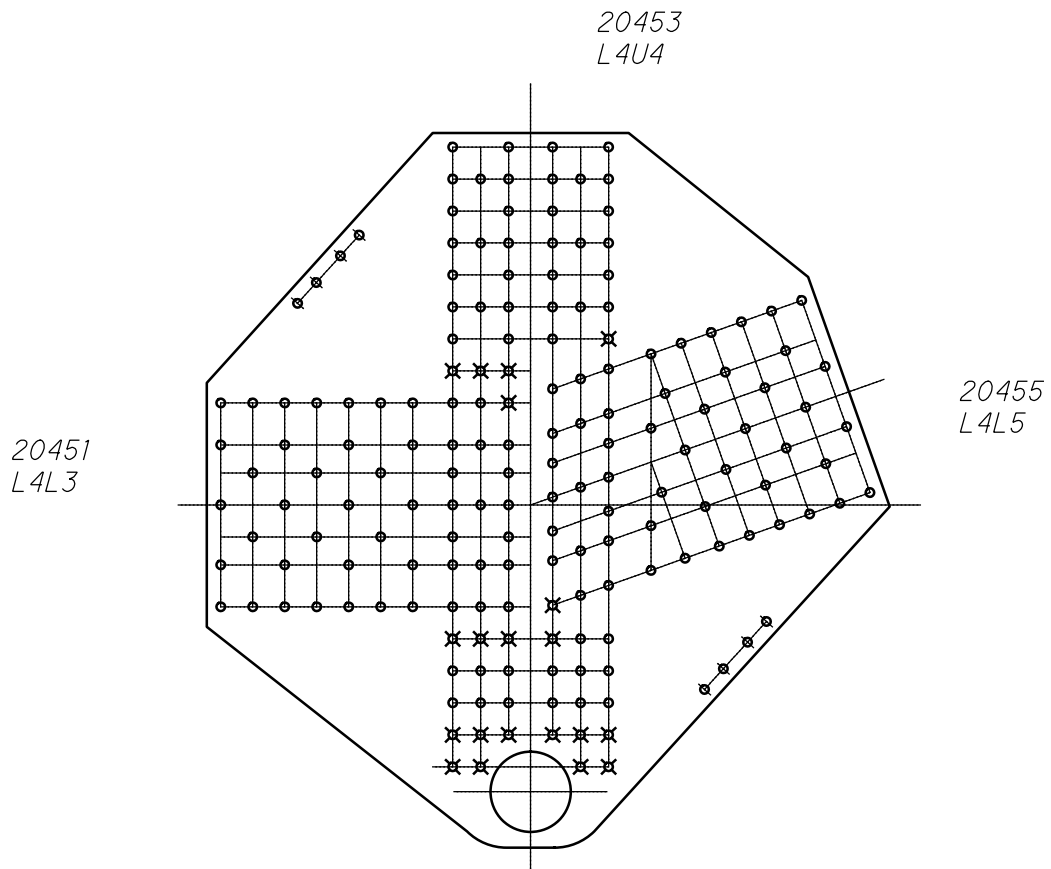
**L45 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

20453
L4U4

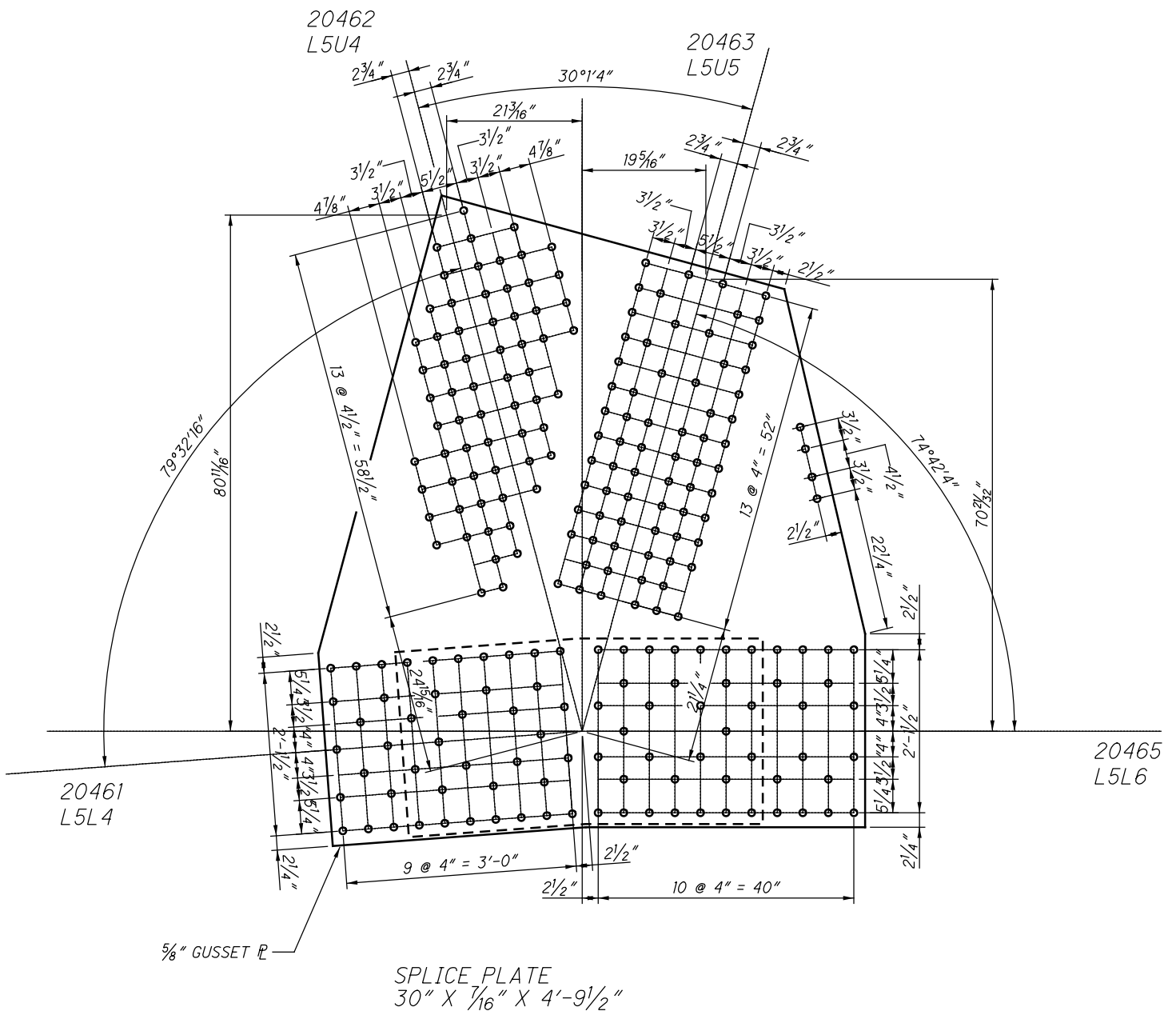


20455
L4L5

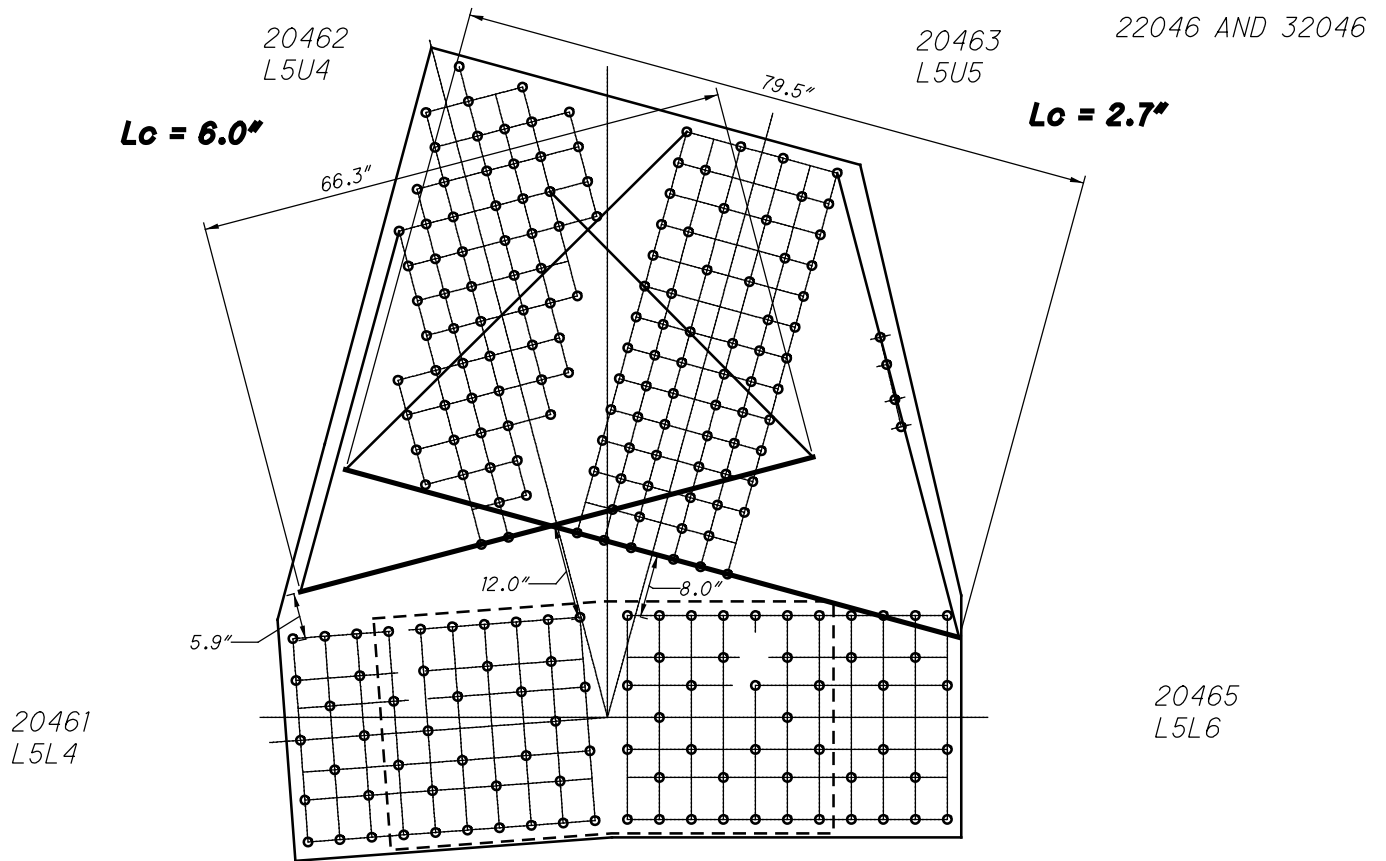
**L45 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



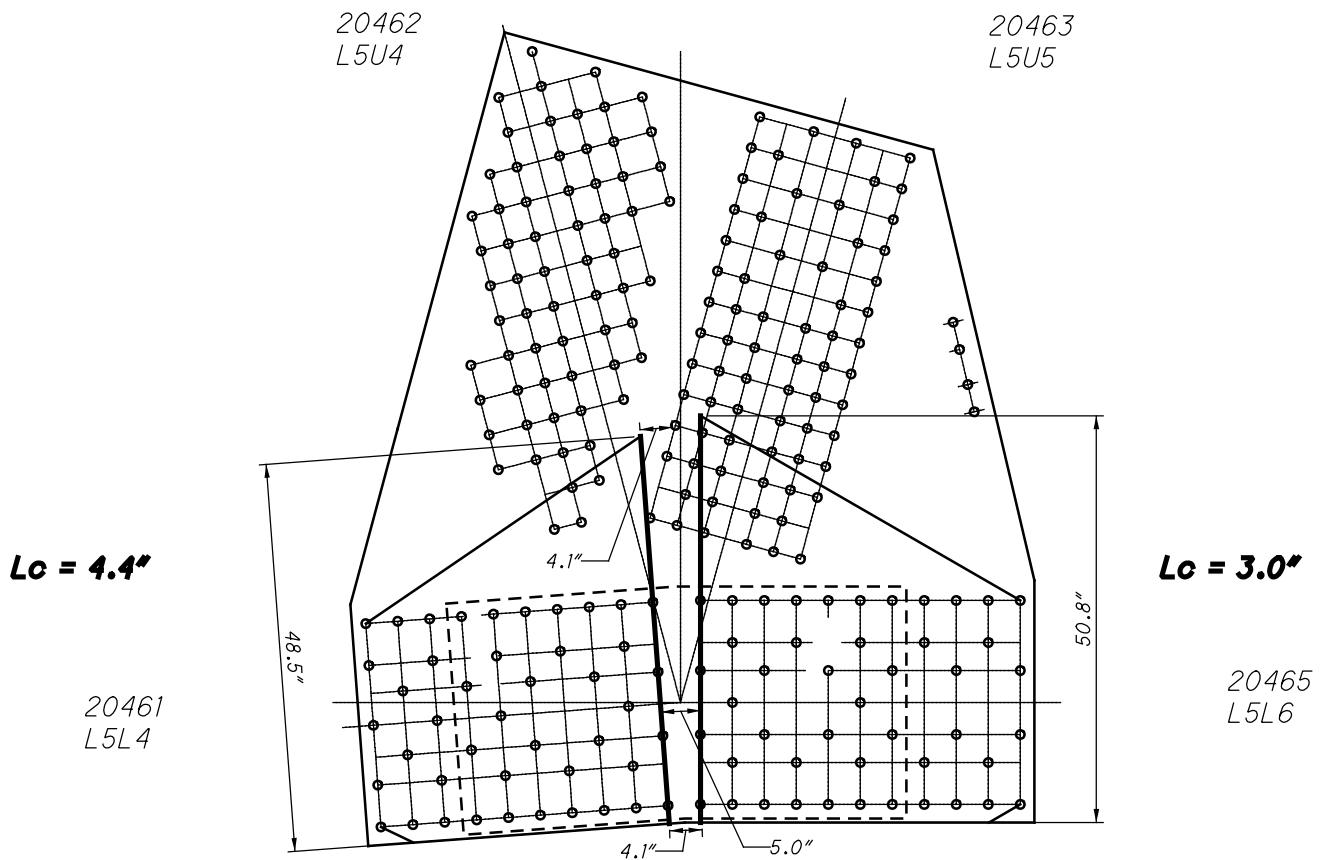
**L45 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L46 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



**L46 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L46 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

57 RIVETS
 $\times 2 \text{ PLATES}$
 =114 RIVETS

20462
 L5U4

20463
 L5U5

22046 AND 32046

70 RIVETS
 $\times 2 \text{ PLATES}$
 =140 RIVETS

44 RIVETS
 $\times 2 \text{ PLATES}$
 =88 RIVETS

20461
 L5L4

30 SPLICE \bar{P}
 $\times 2 \text{ PLATES}$
 =60 RIVETS

46 RIVETS
 $\times 2 \text{ PLATES}$
 =92 RIVETS

20465
 L5L6

30 SPLICE \bar{P}
 $\times 2 \text{ PLATES}$
 =60 RIVETS

**L46 INSIDE (SPAN 10)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

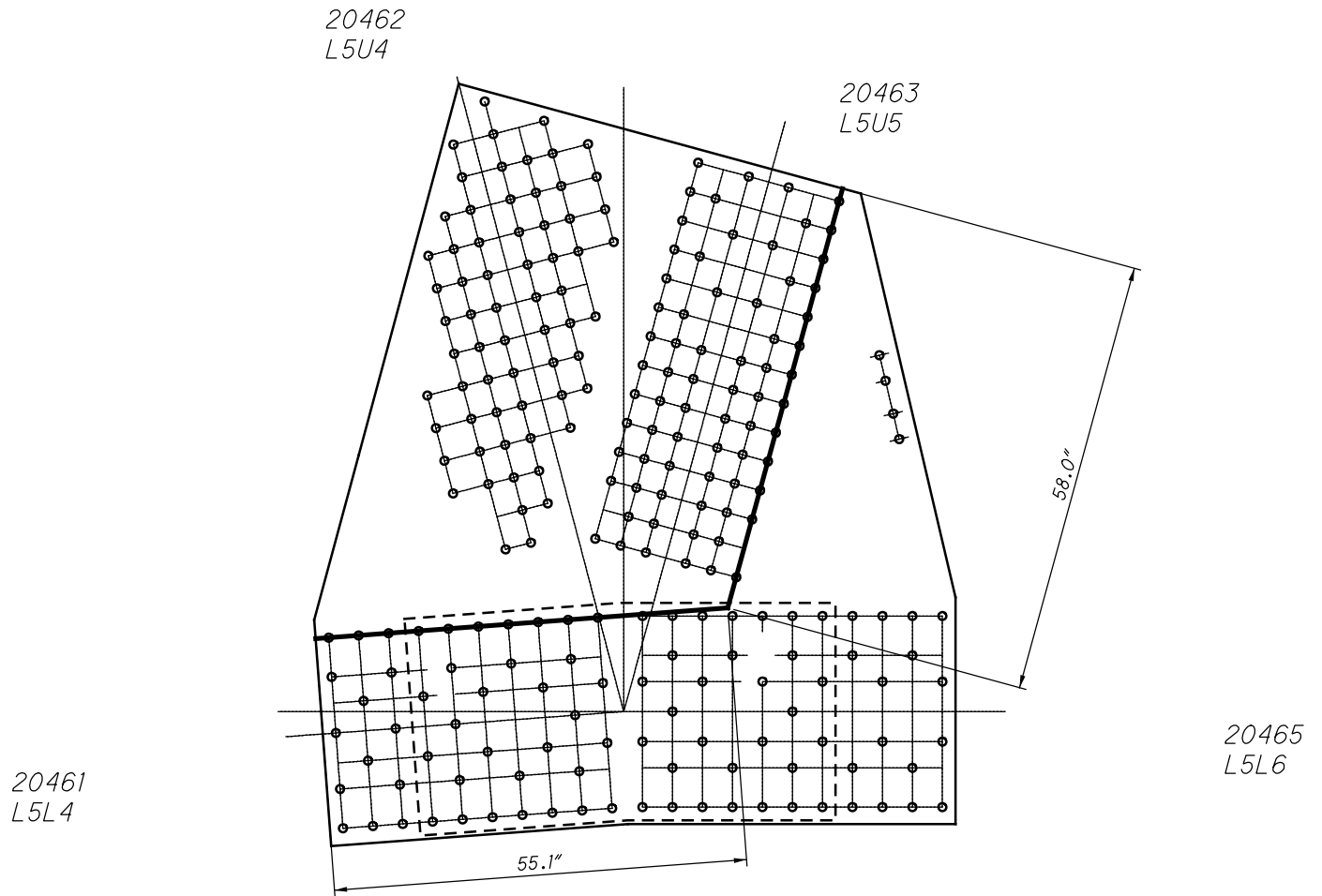
20462
 L5U4

20463
 L5U5

20461
 L5L4

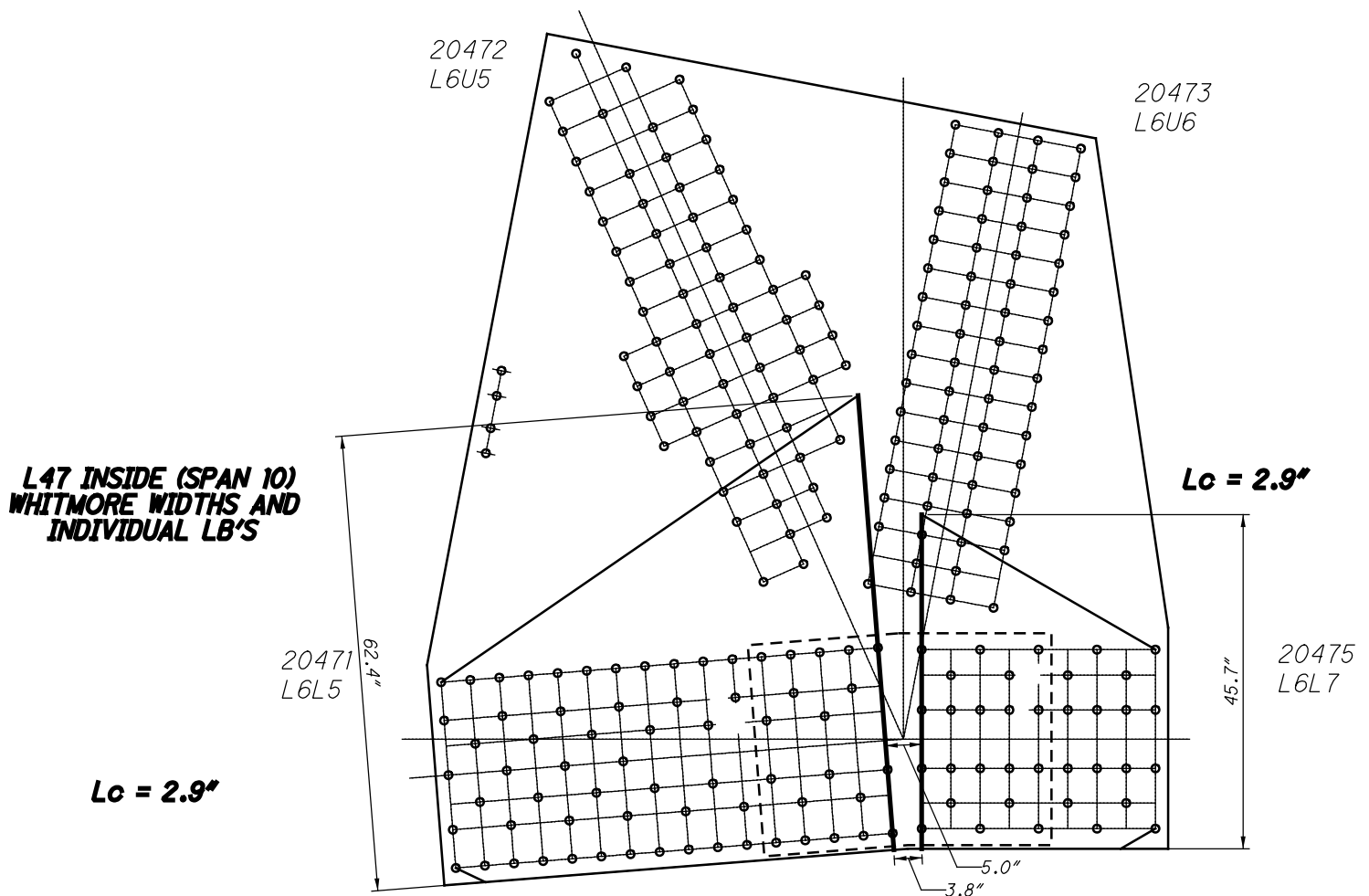
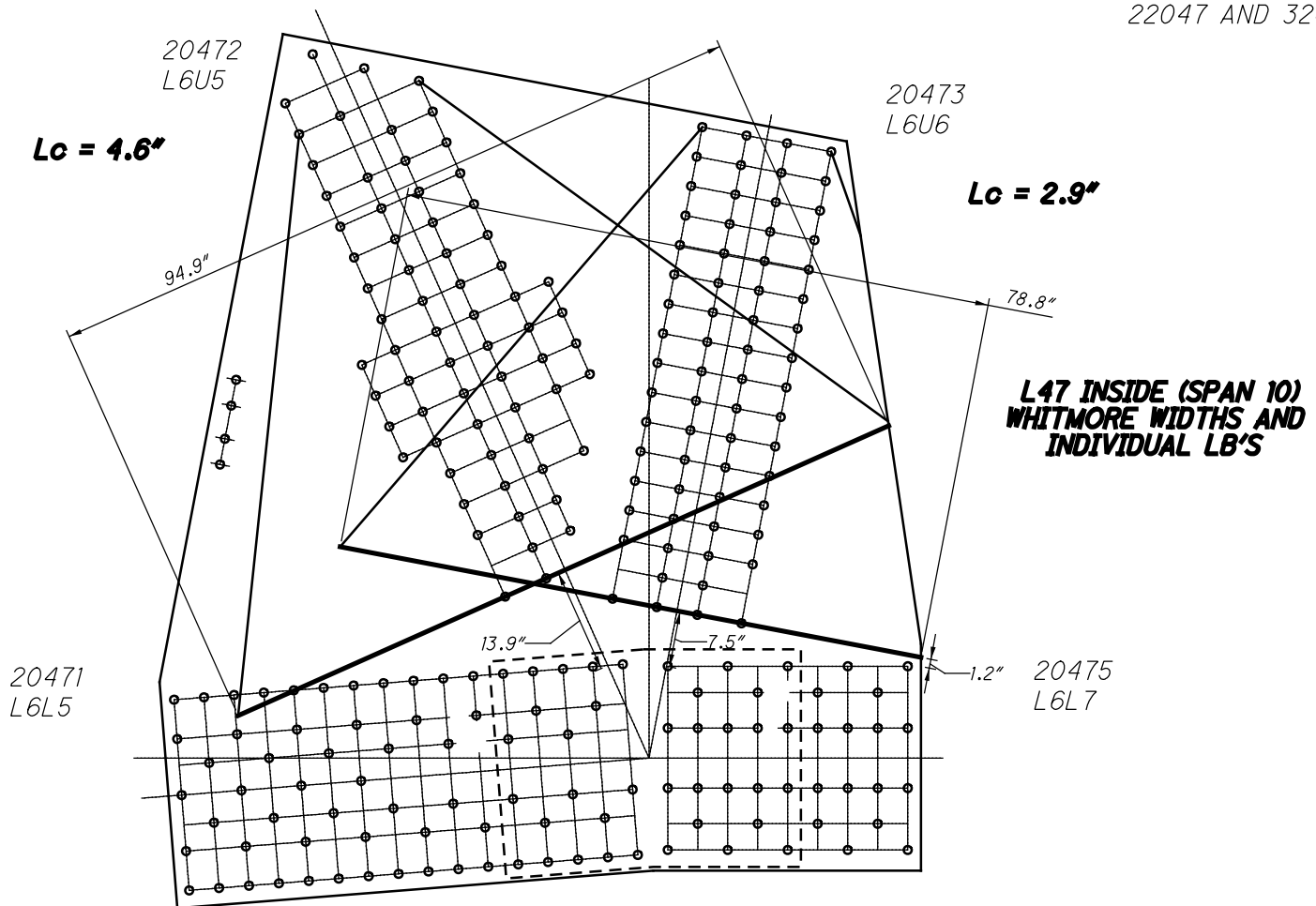
20465
 L5L6

**L46 INSIDE (SPAN 10)
 SHEAR AND FREE EDGE CHECK**



**L46 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**





57 RIVETS
 x 2 PLATES
 =114 RIVETS

20472
 L6U5

66 RIVETS
 x 2 PLATES
 =132 RIVETS

22047 AND 32047

20473
 L6U6

**L47 INSIDE (SPAN 10)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

20471
 L6L5

20475
 L6L7

36 RIVETS
 x 2 PLATES
 =72 RIVETS

20 SPLICE P
 x 2 PLATES
 =40 RIVETS

67 RIVETS
 x 2 PLATES
 =134 RIVETS

19 SPLICE P
 x 2 PLATES
 =38 RIVETS

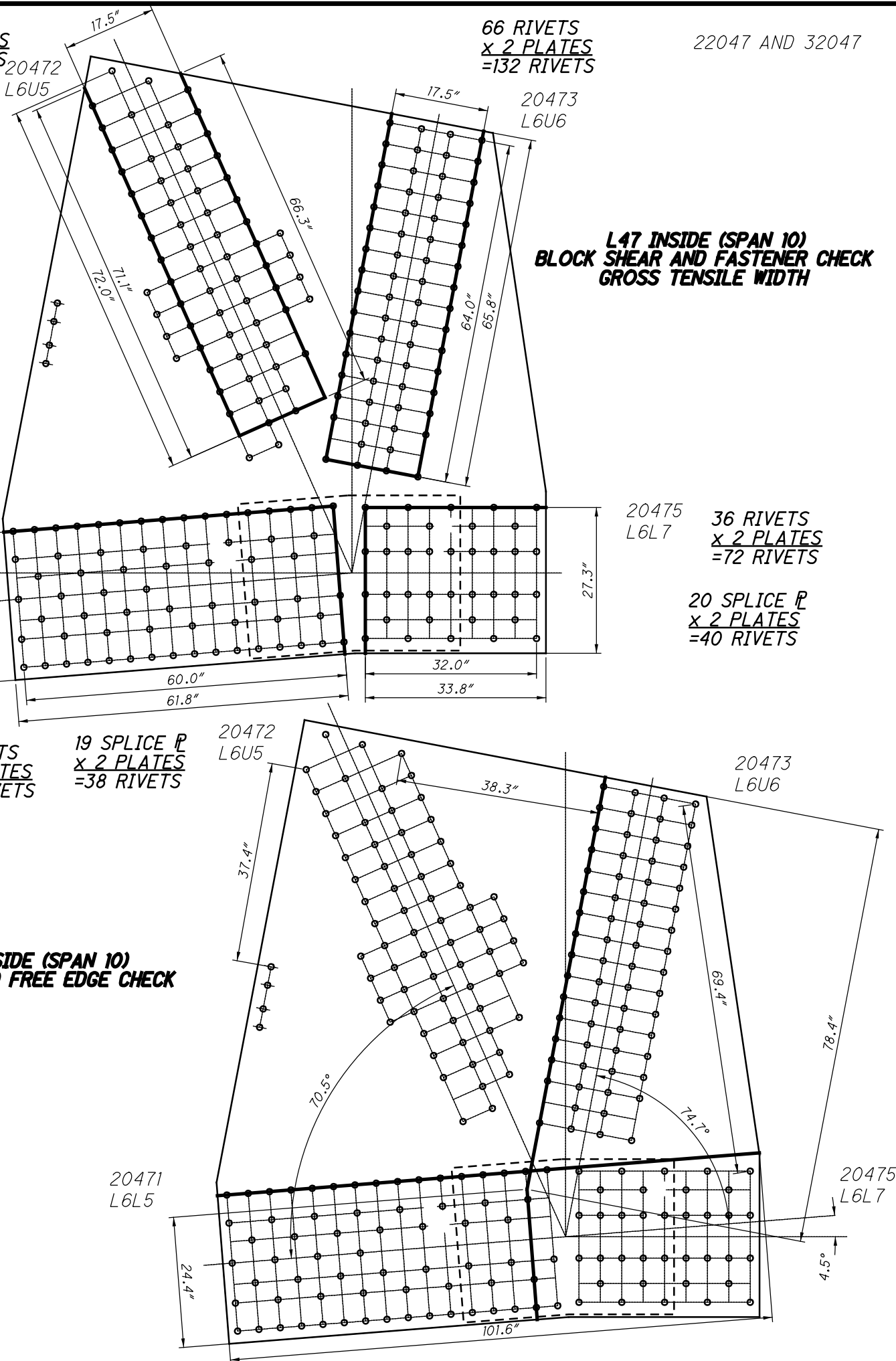
20472
 L6U5

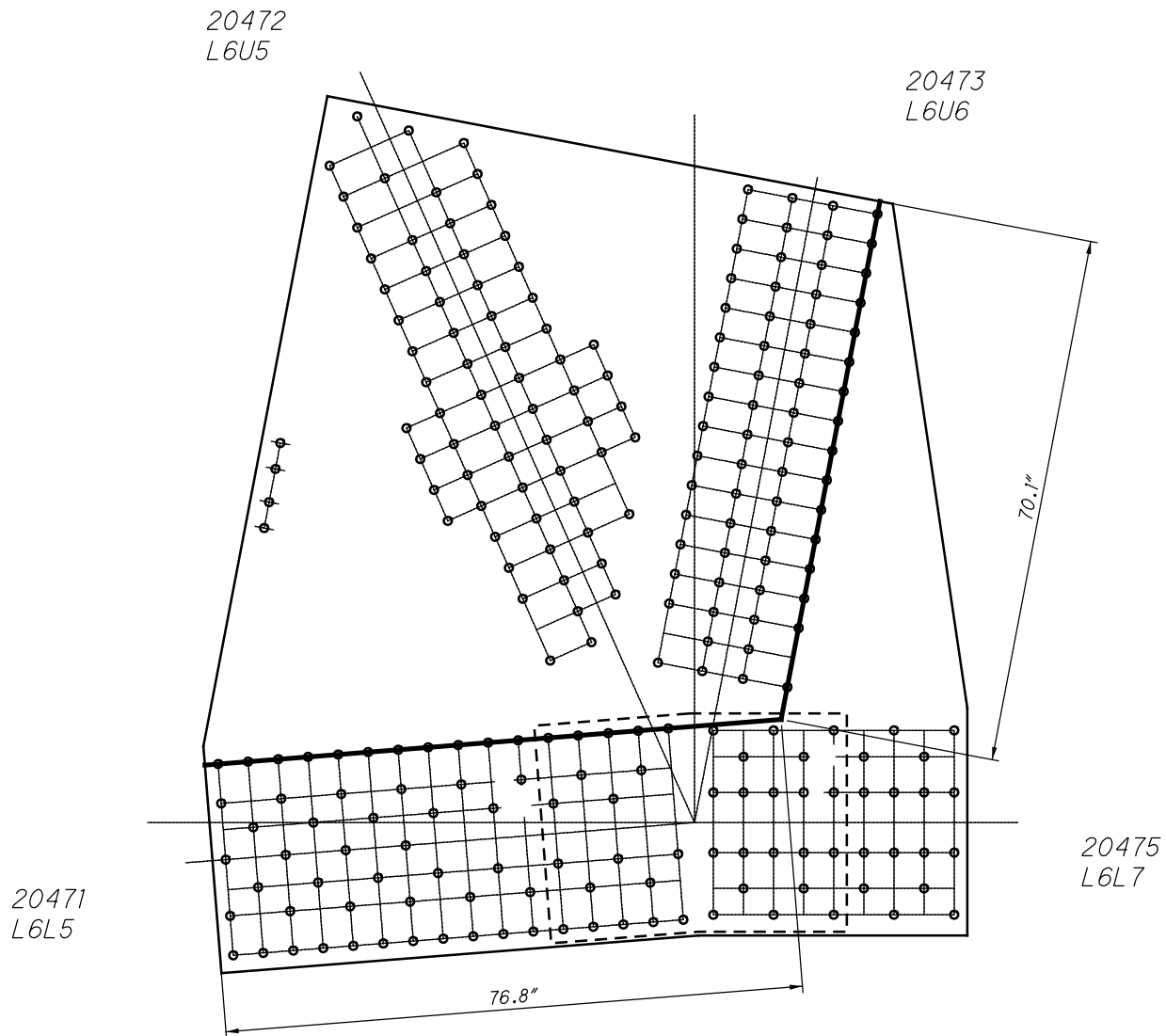
20473
 L6U6

**L47 INSIDE (SPAN 10)
 SHEAR AND FREE EDGE CHECK**

20471
 L6L5

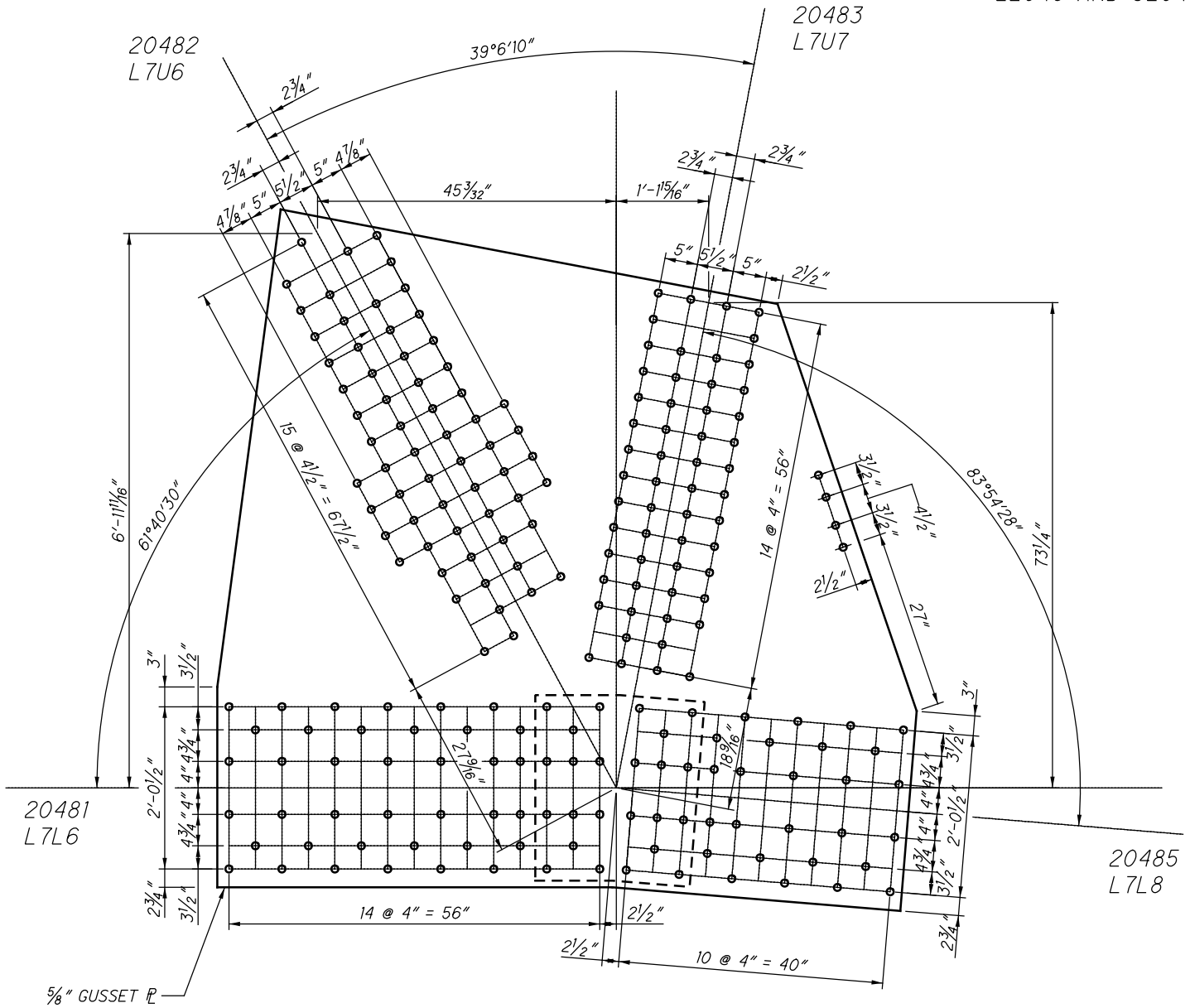
20475
 L6L7





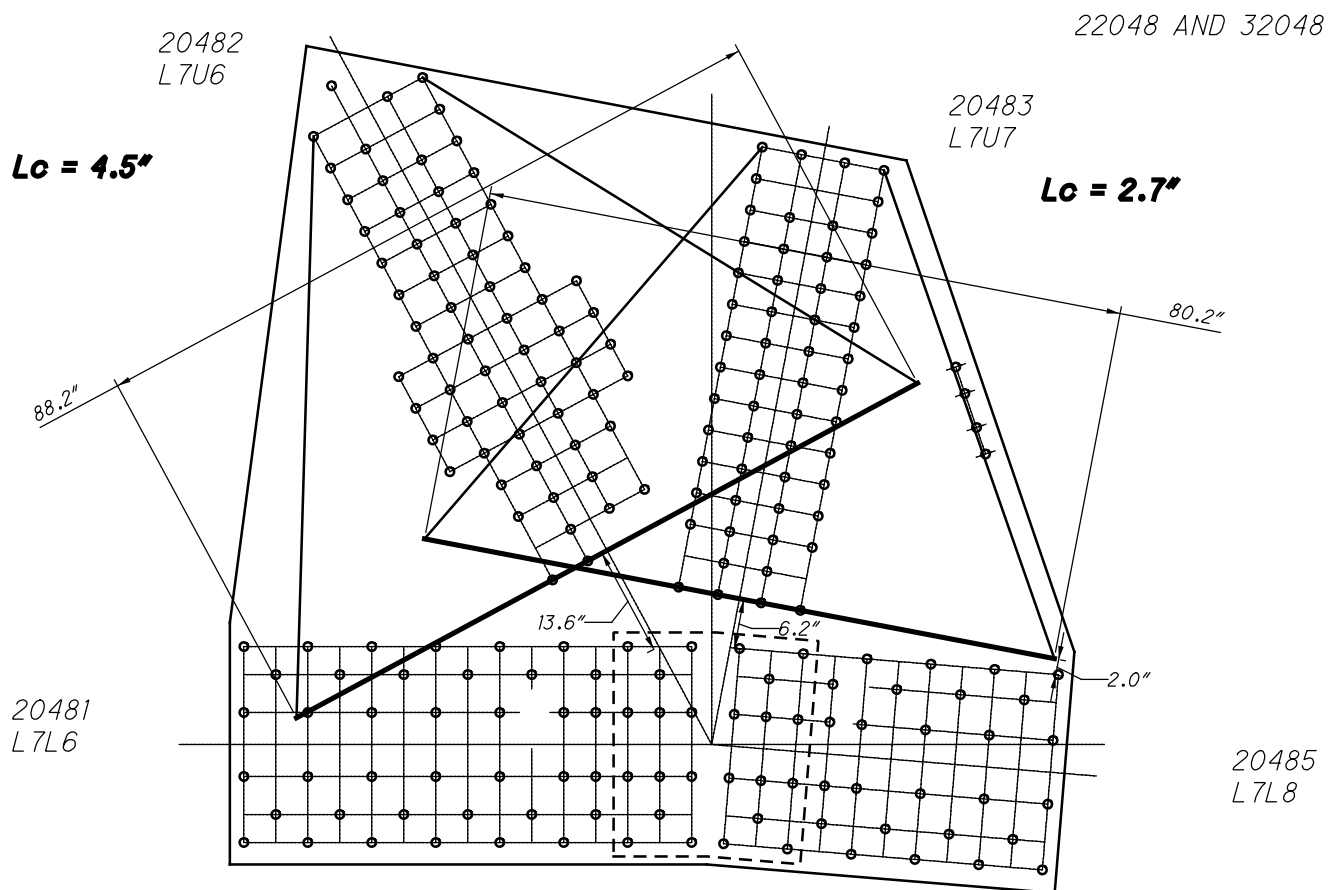
**L47 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

20483
L7U7

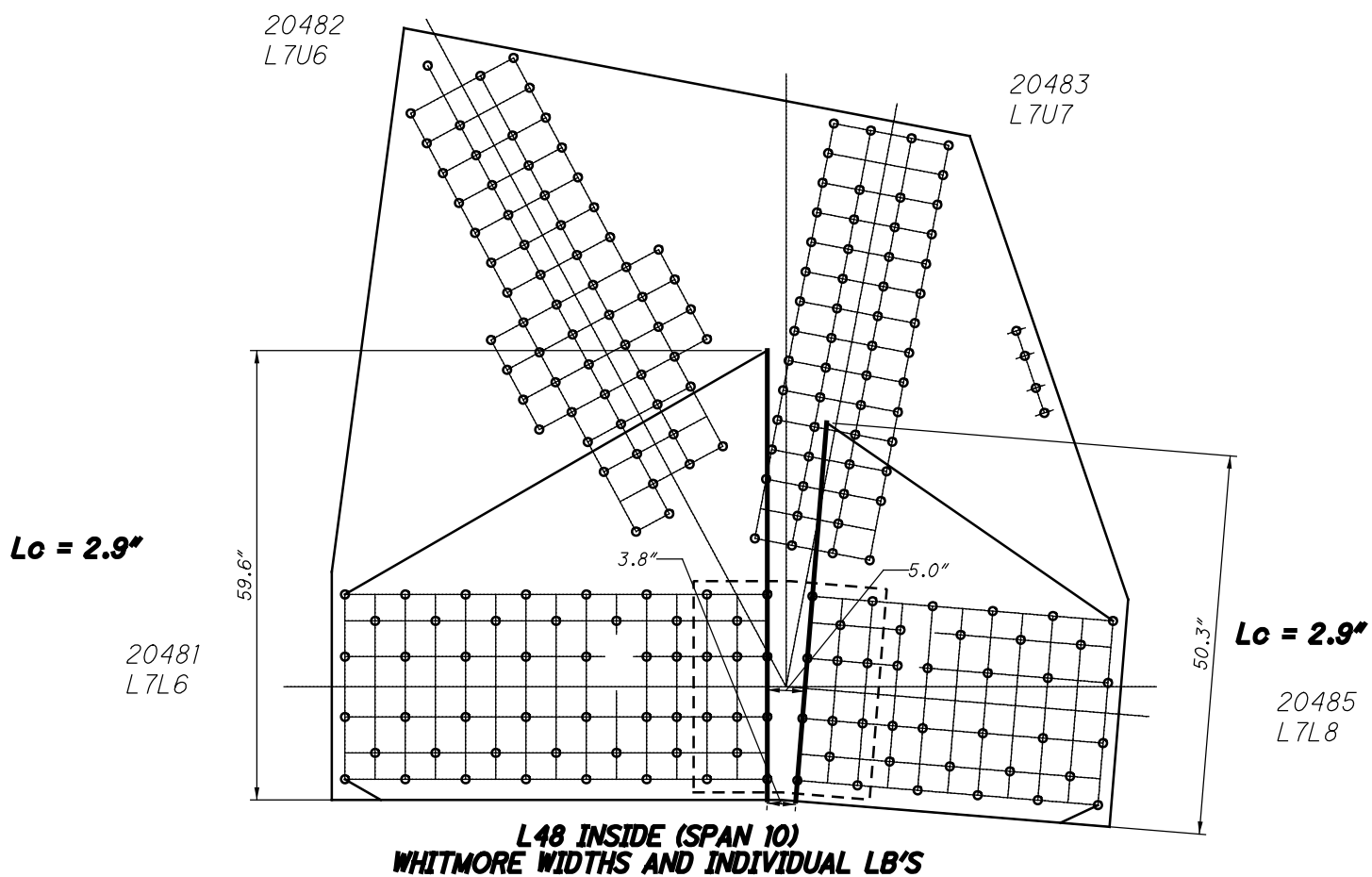


SPLICE PLATE
29" X $\frac{3}{8}$ " X 2'-2"

**L48 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



**L48 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L48 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

55 RIVETS
x 2 PLATES
=110 RIVETS

20482
L7U6

56 RIVETS
x 2 PLATES
=112 RIVETS

22048 AND 32048

20483
L7U7

50 RIVETS
x 2 PLATES
=100 RIVETS

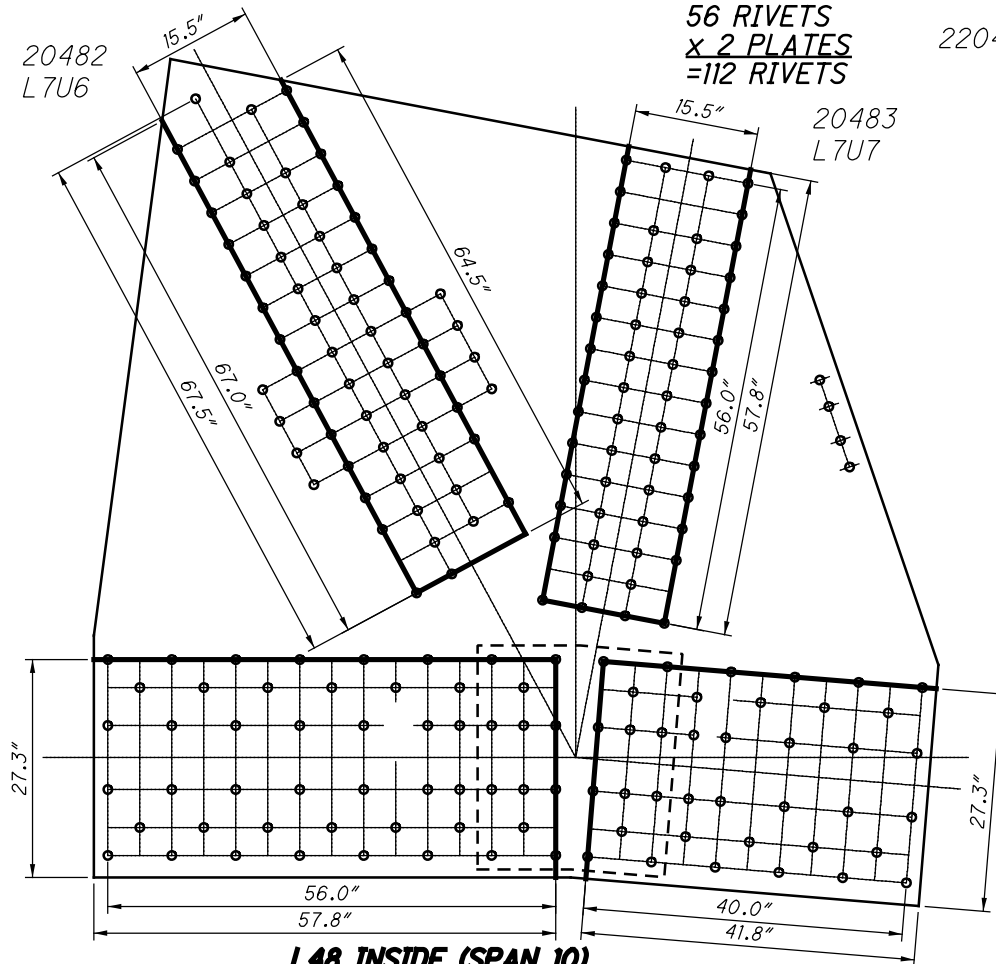
20481
L7L6

12 SPLICE P
x 2 PLATES
=24 RIVETS

38 RIVETS
x 2 PLATES
=76 RIVETS

20485
L7L8

12 SPLICE P
x 2 PLATES
=24 RIVETS



**L48 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

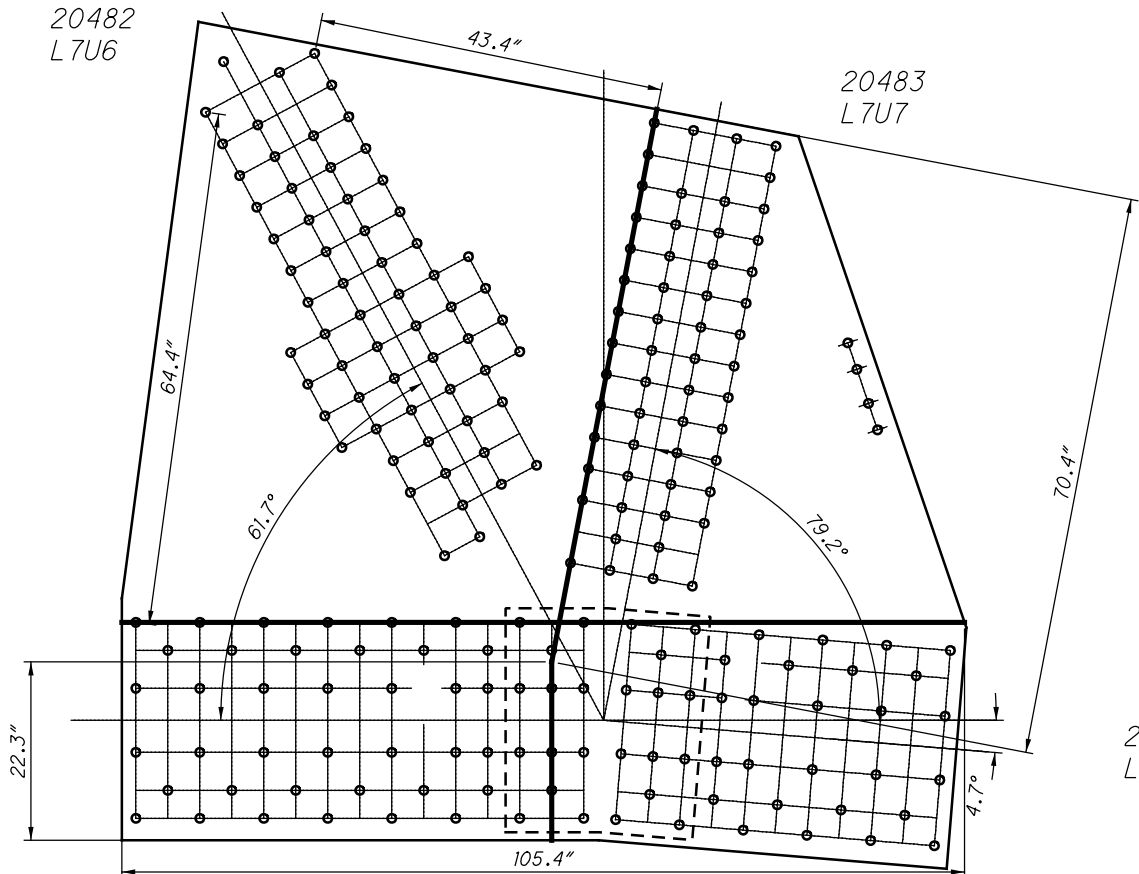
20482
L7U6

43.4"

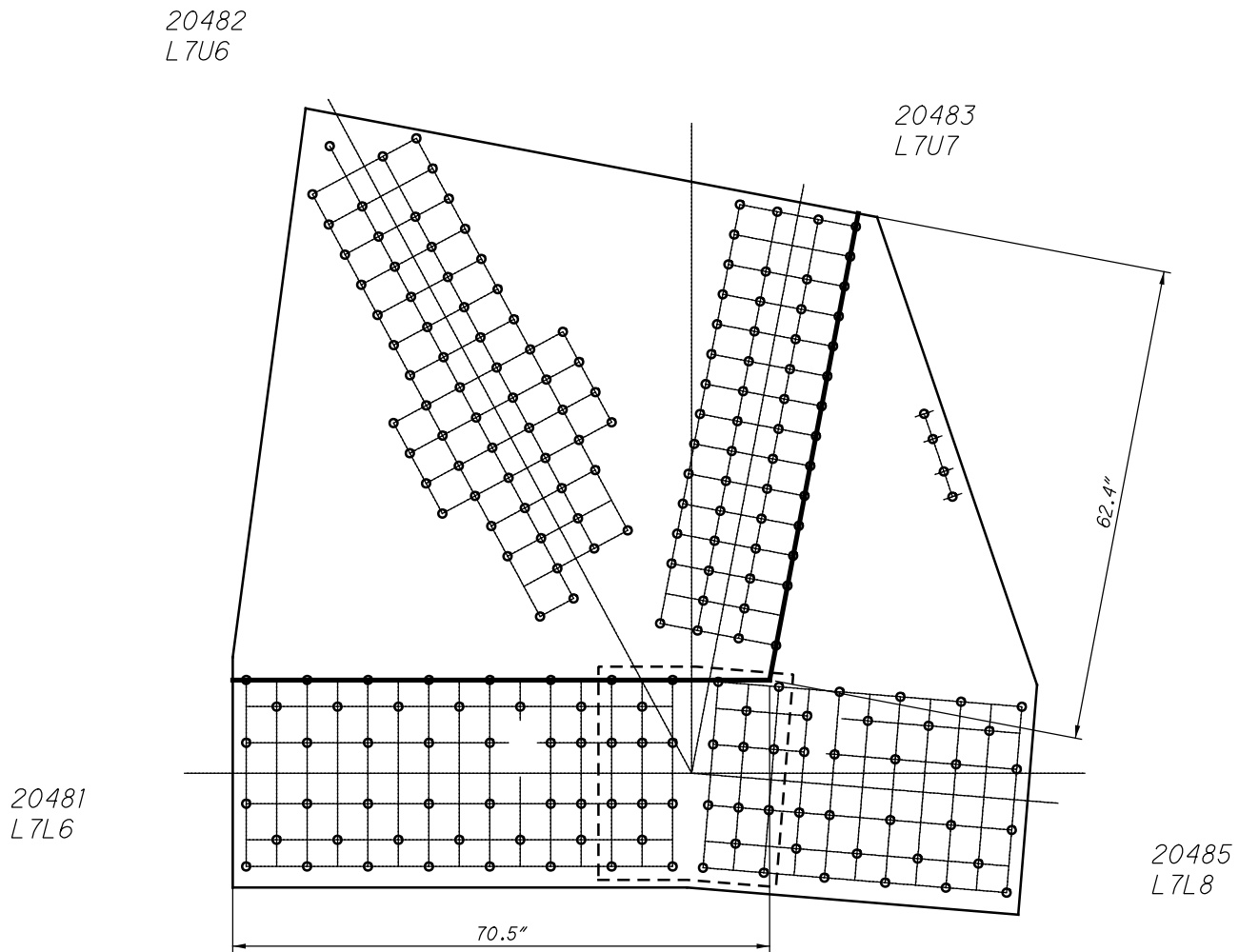
20483
L7U7

20481
L7L6

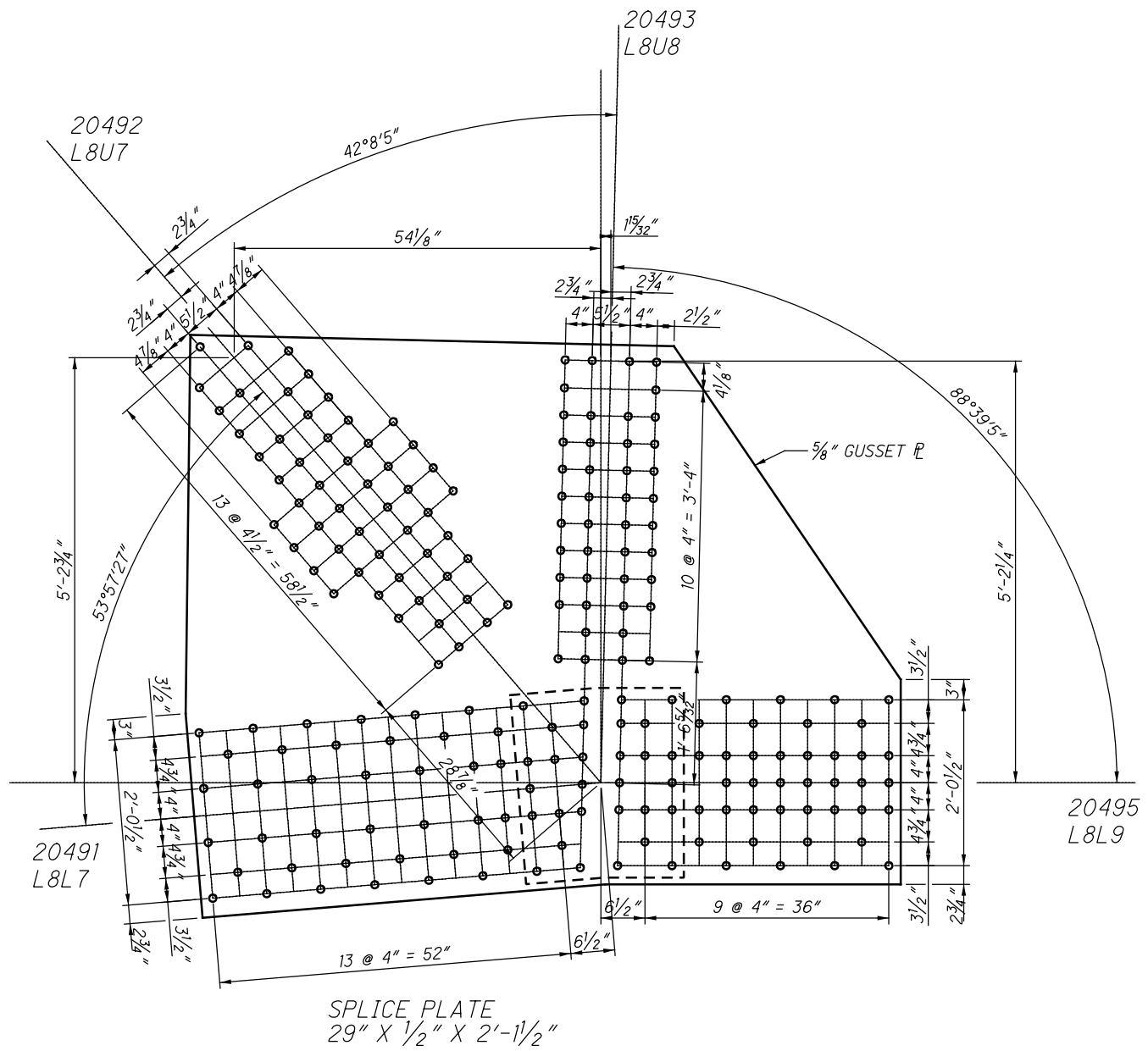
20485
L7L8



**L48 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



**L48 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

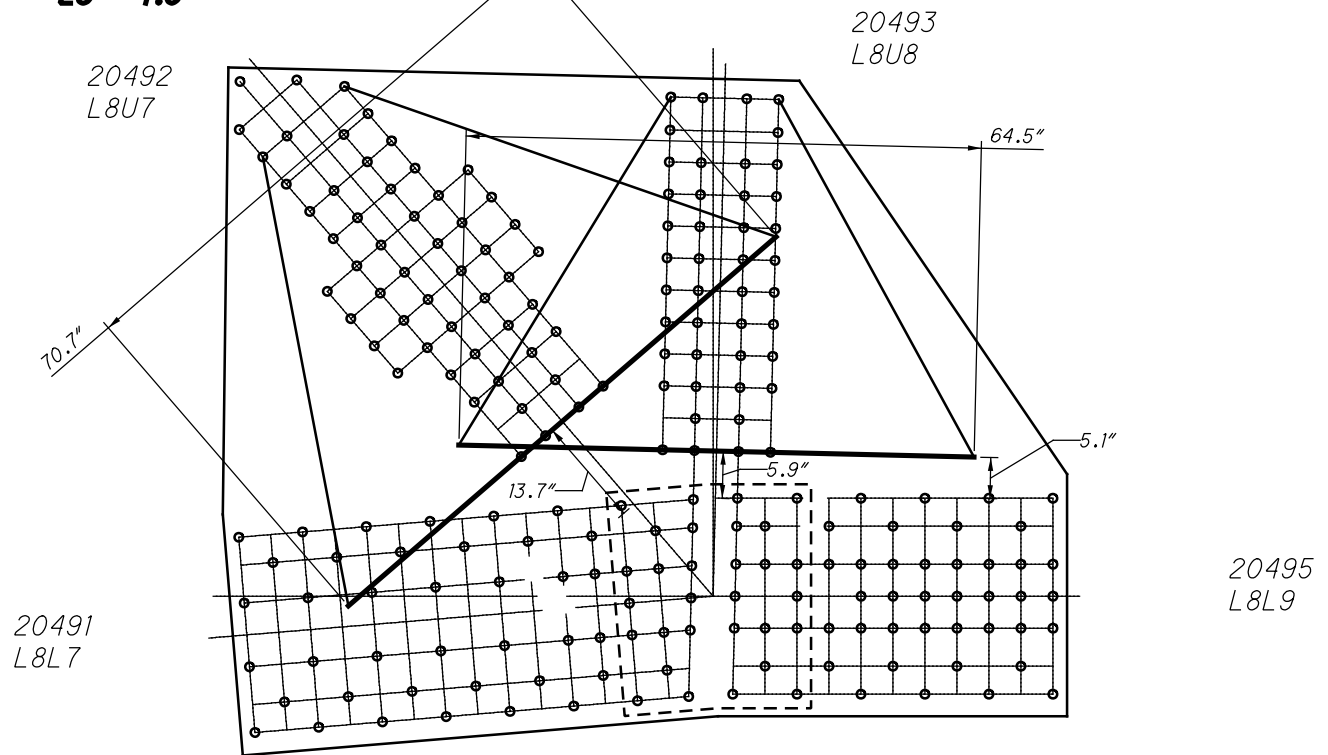


**L49 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

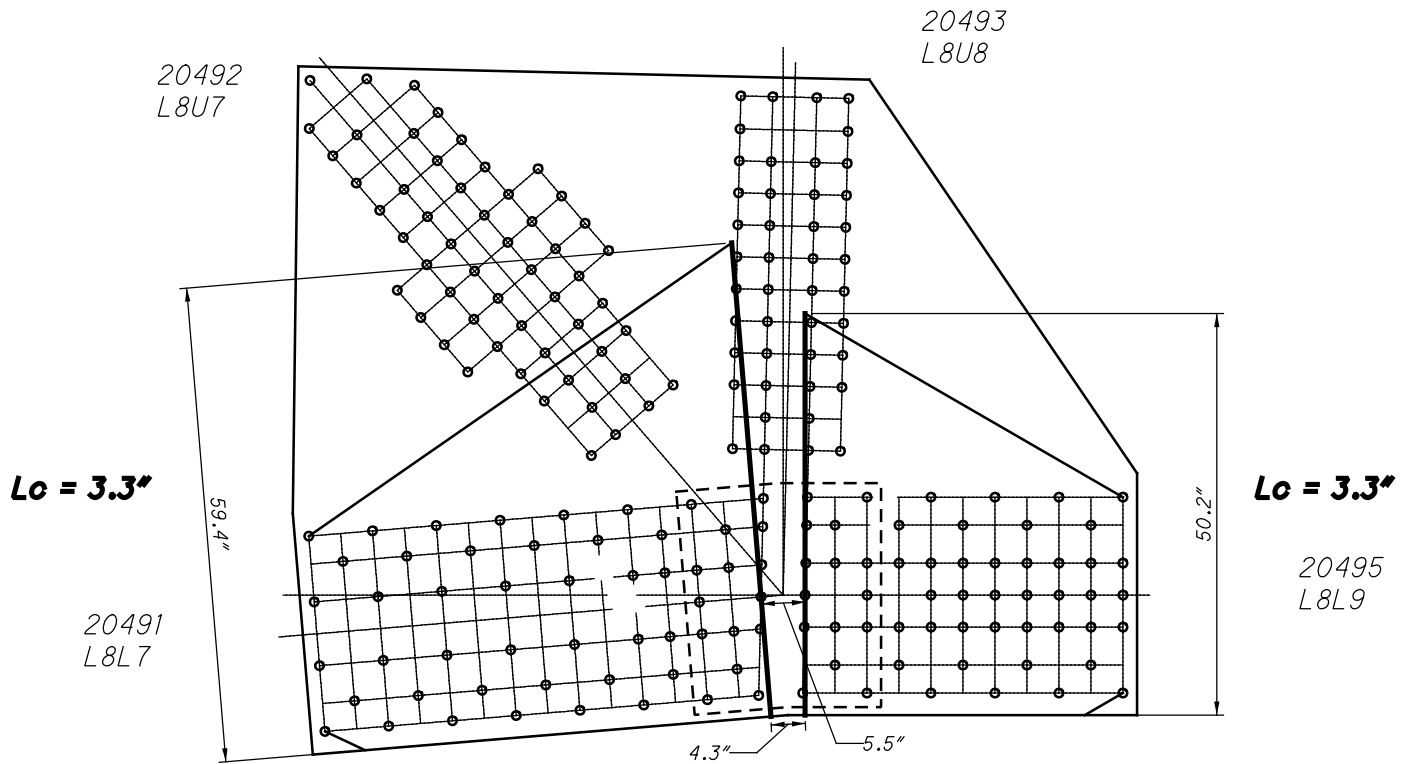
$L_c = 4.6''$

$L_c = 3.7''$

22049 AND 32049



**L49 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

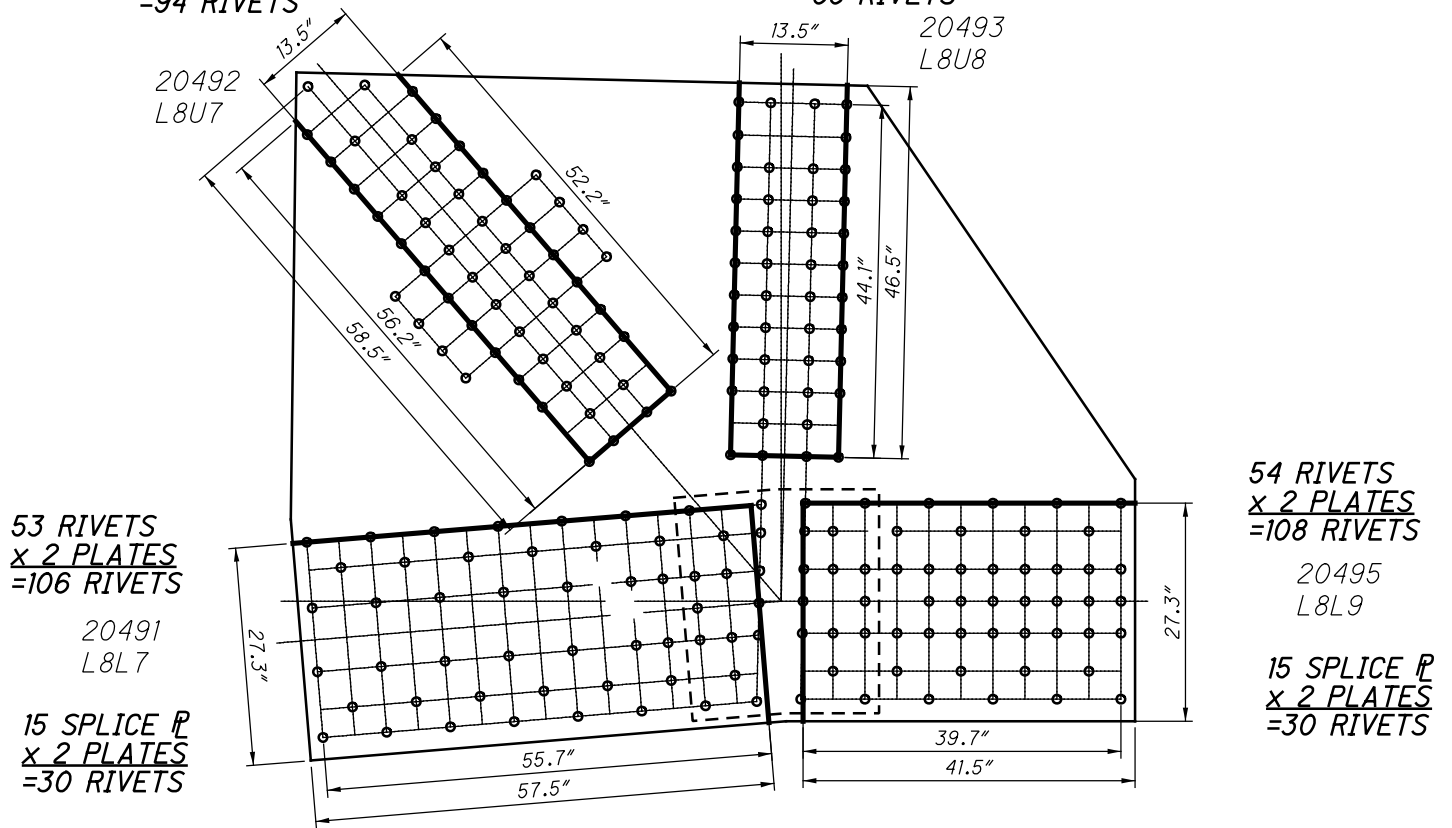


**L49 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

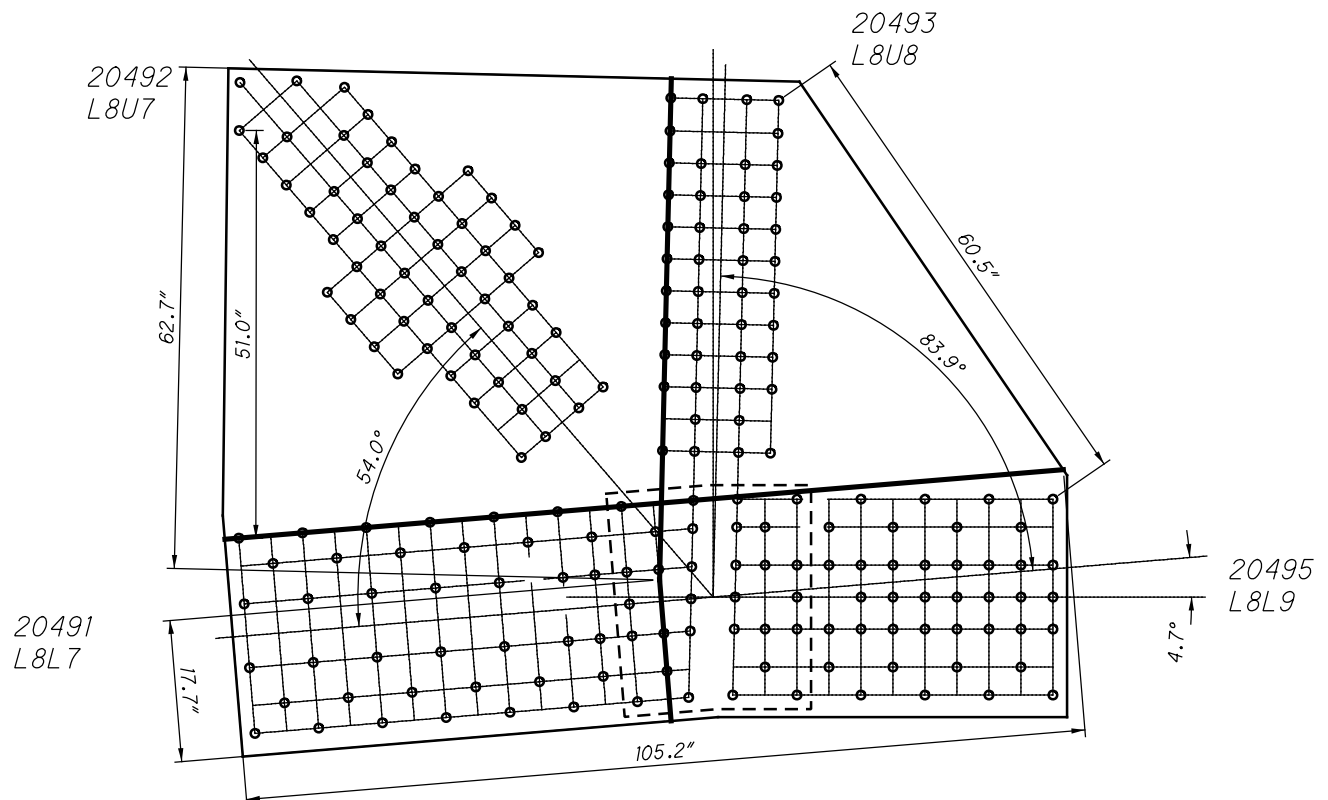
47 RIVETS
x 2 PLATES
 =94 RIVETS

44 RIVETS
x 2 PLATES
 =88 RIVETS

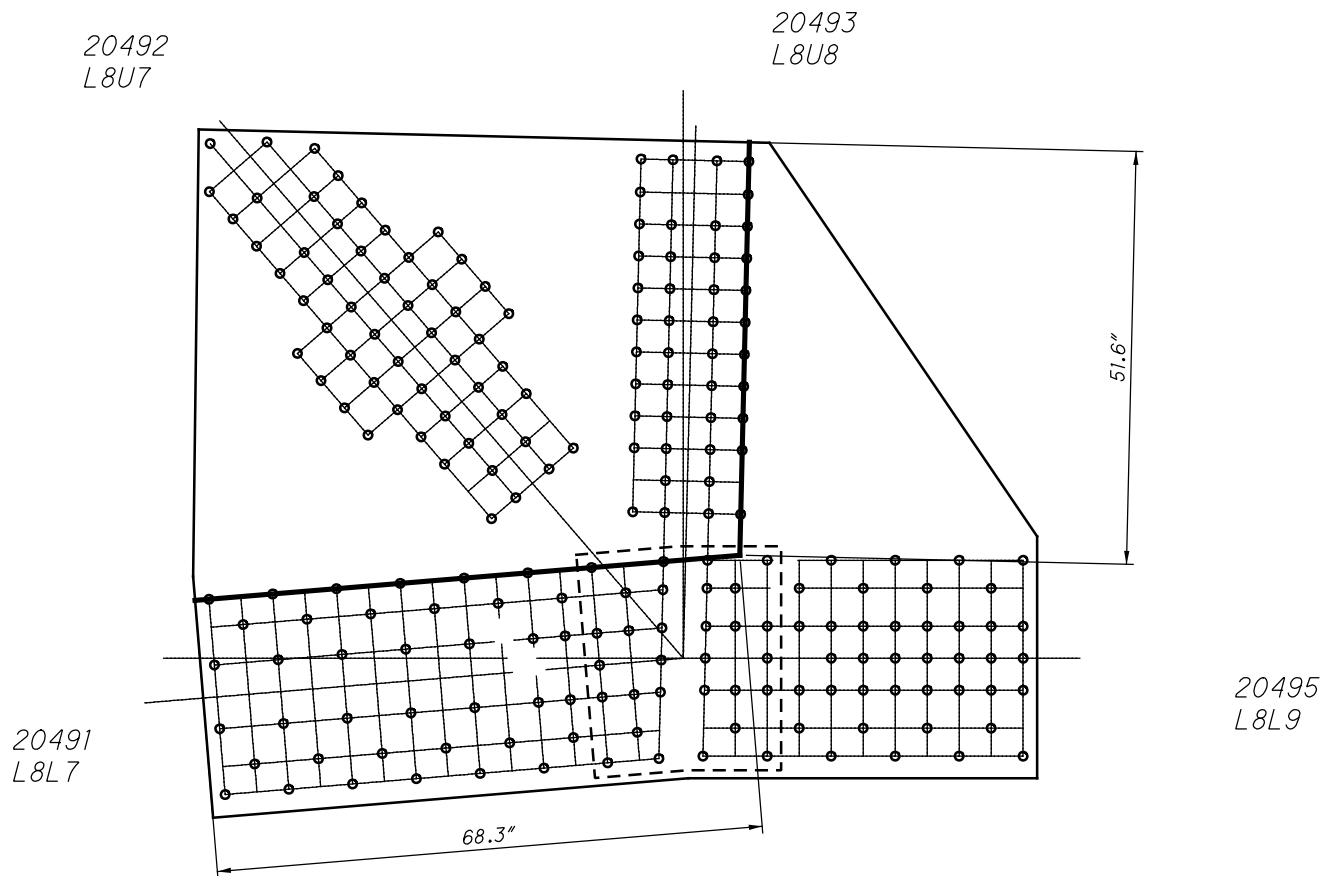
22049 AND 32049



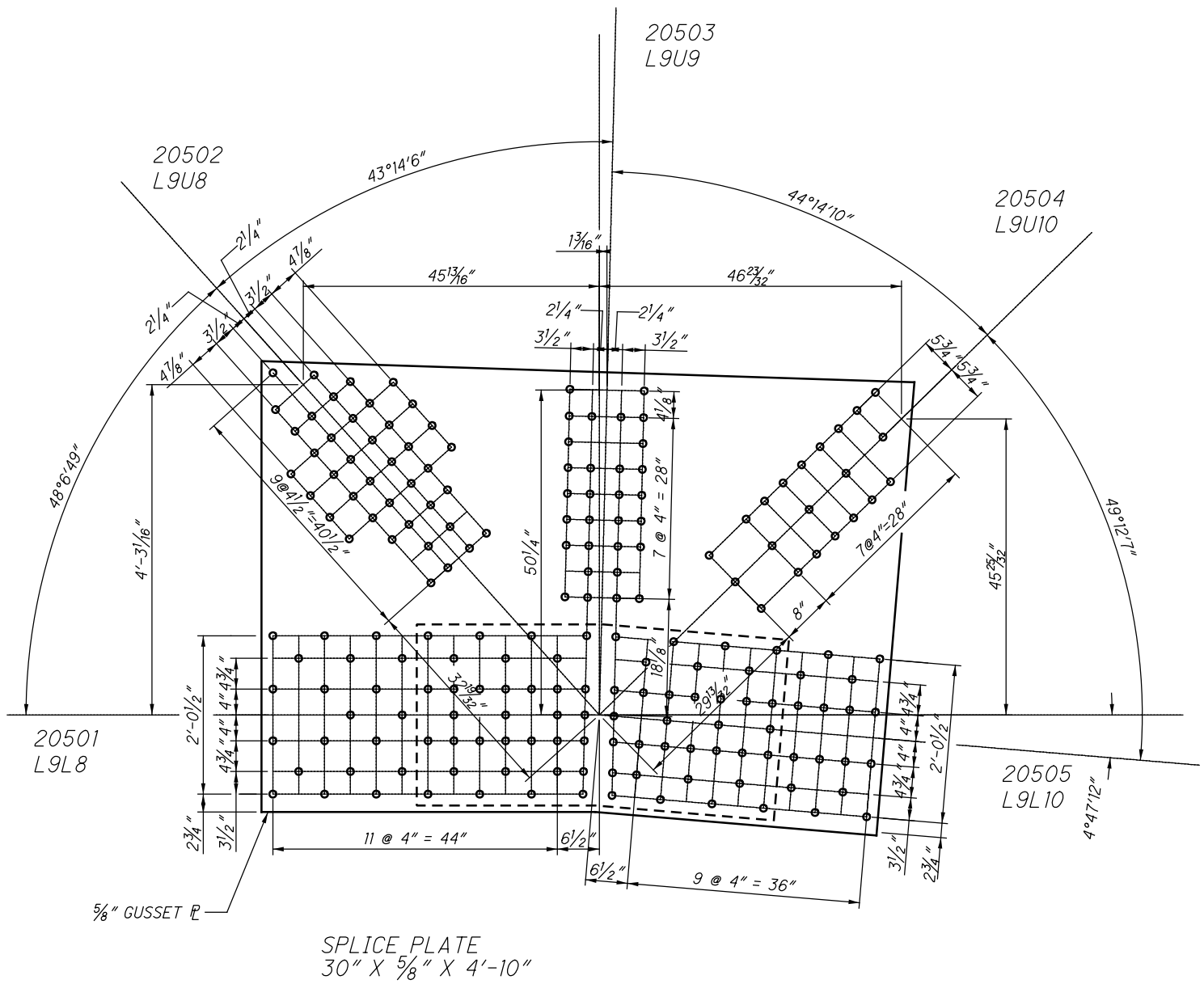
**L49 INSIDE (SPAN 10)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**



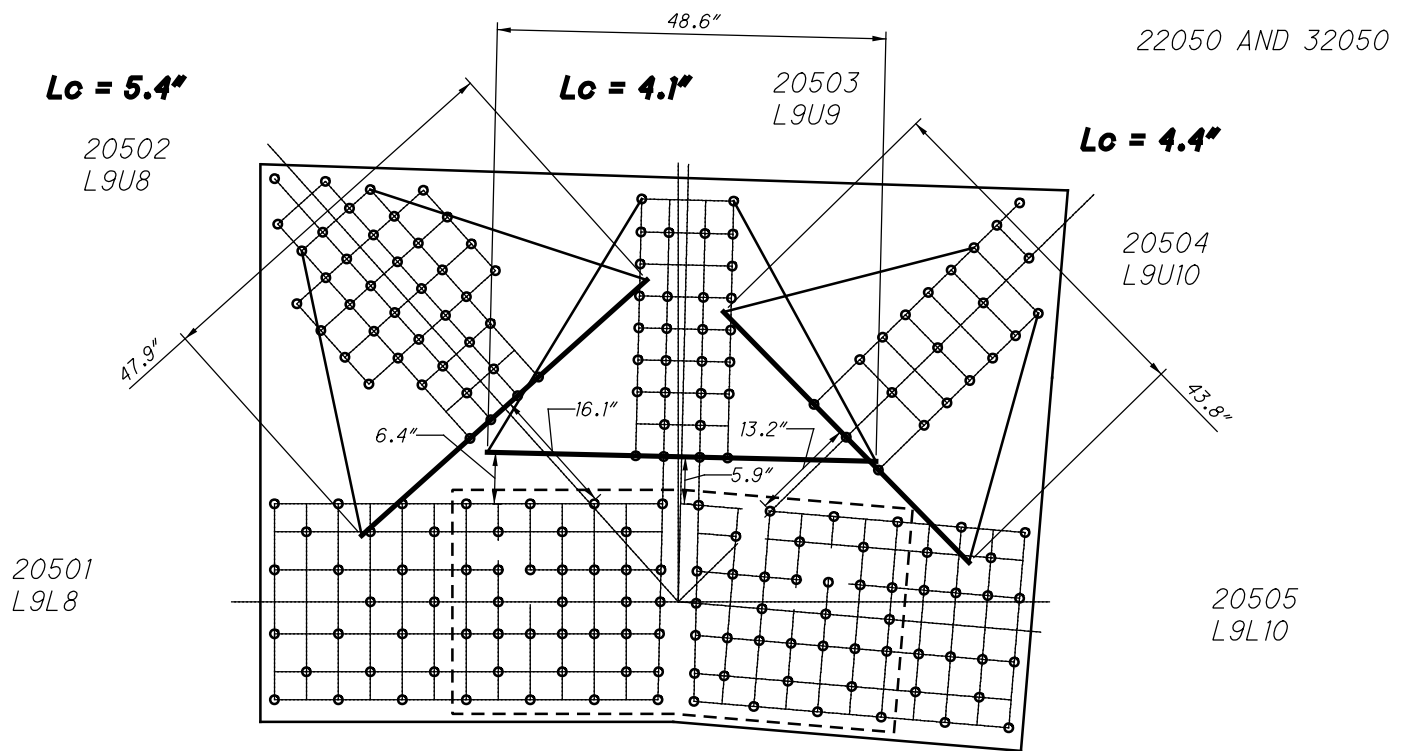
**L49 INSIDE (SPAN 10)
 SHEAR AND FREE EDGE CHECK**



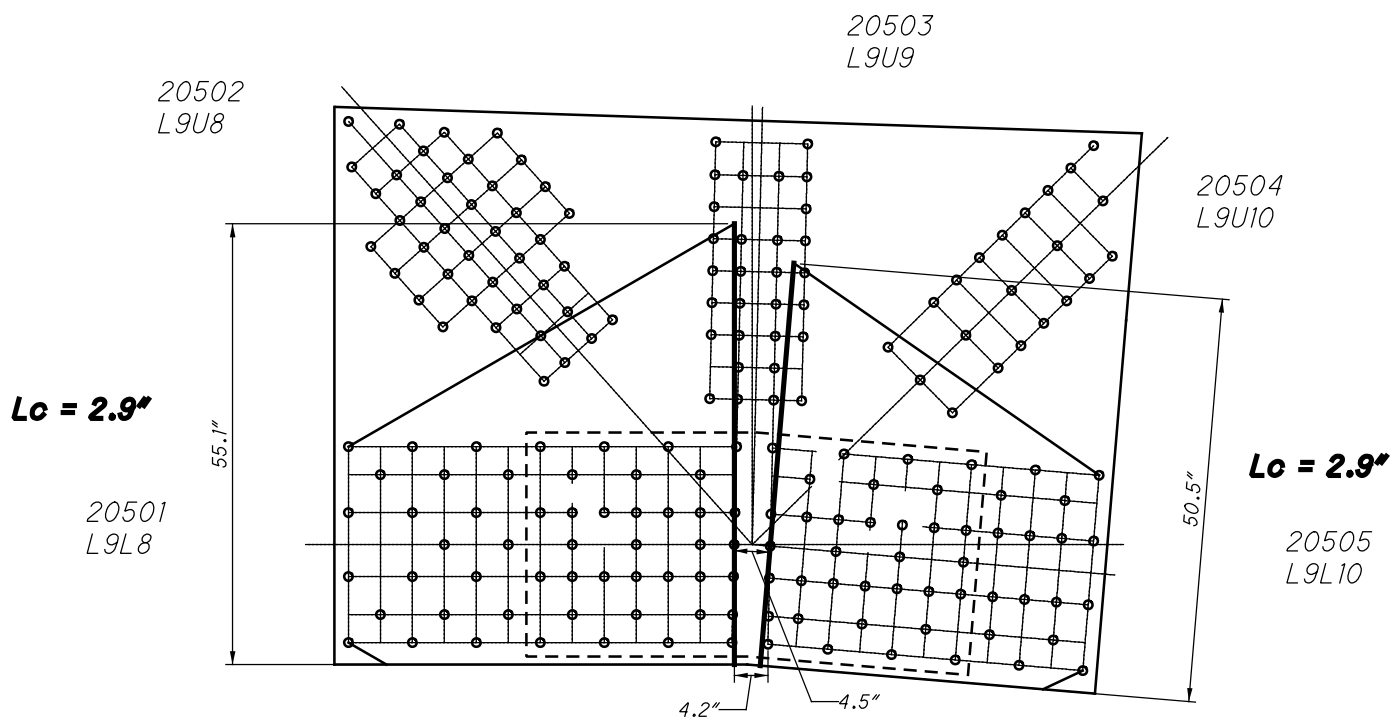
**L49 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L50 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



**L50 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L50 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

33 RIVETS
x 2 PLATES
=66 RIVETS

30 RIVETS
x 2 PLATES
=60 RIVETS

22050 AND 32050

20502
L9U8

20503
L9U9

21 RIVETS
x 2 PLATES
=42 RIVETS

20504
L9U10

53 RIVETS
x 2 PLATES
=106 RIVETS

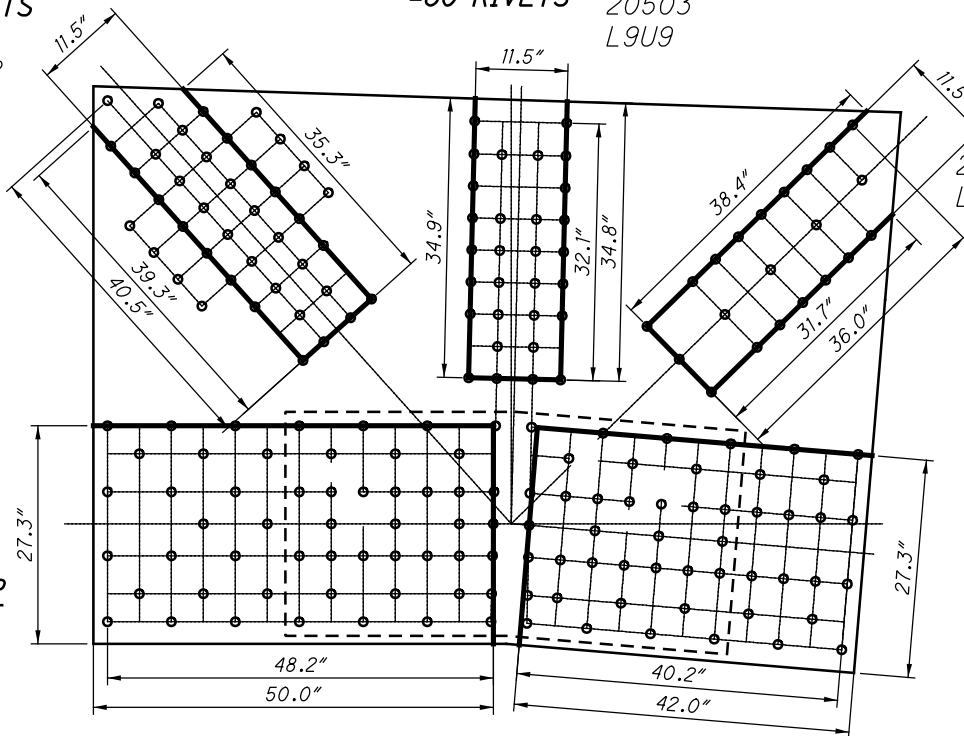
20501
L9L8

49 RIVETS
x 2 PLATES
=98 RIVETS

20505
L9L10

33 SPLICE P
x 2 PLATES
=66 RIVETS

33 SPLICE P
x 2 PLATES
=66 RIVETS



**L50 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

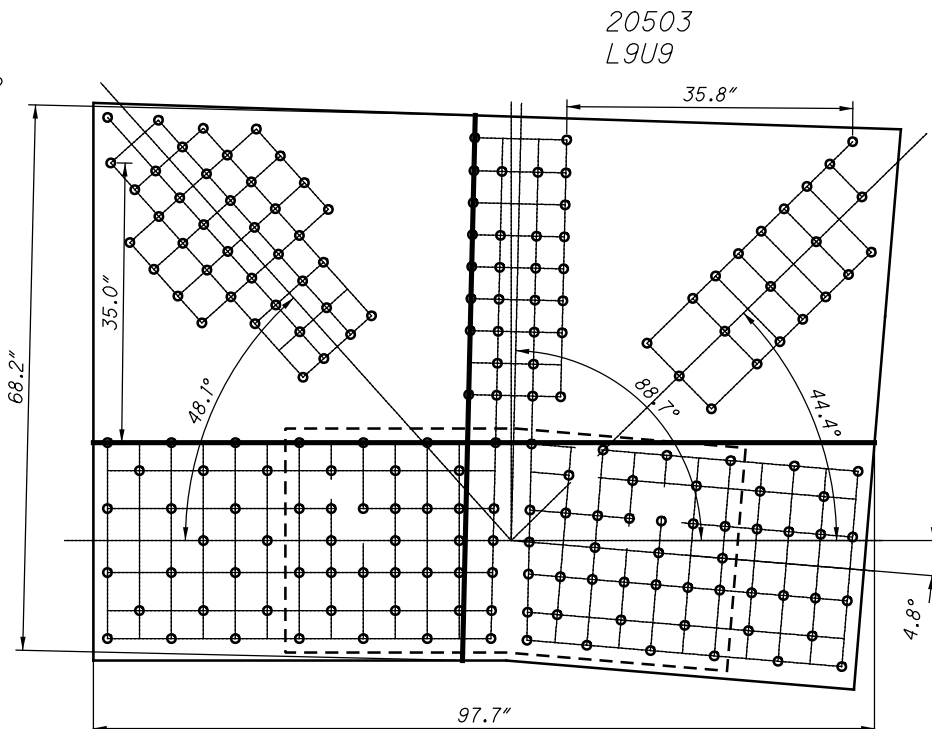
20502
L9U8

20503
L9U9

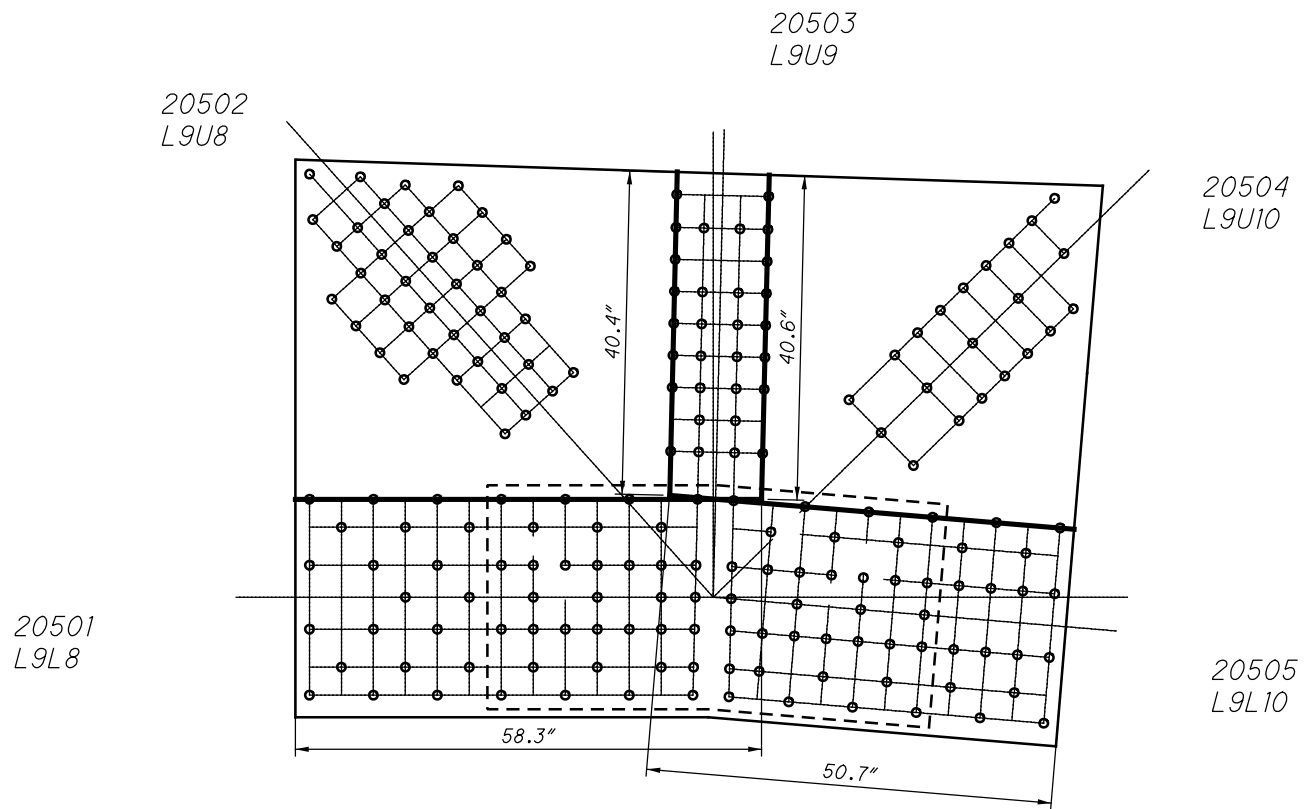
20504
L9U10

20501
L9L8

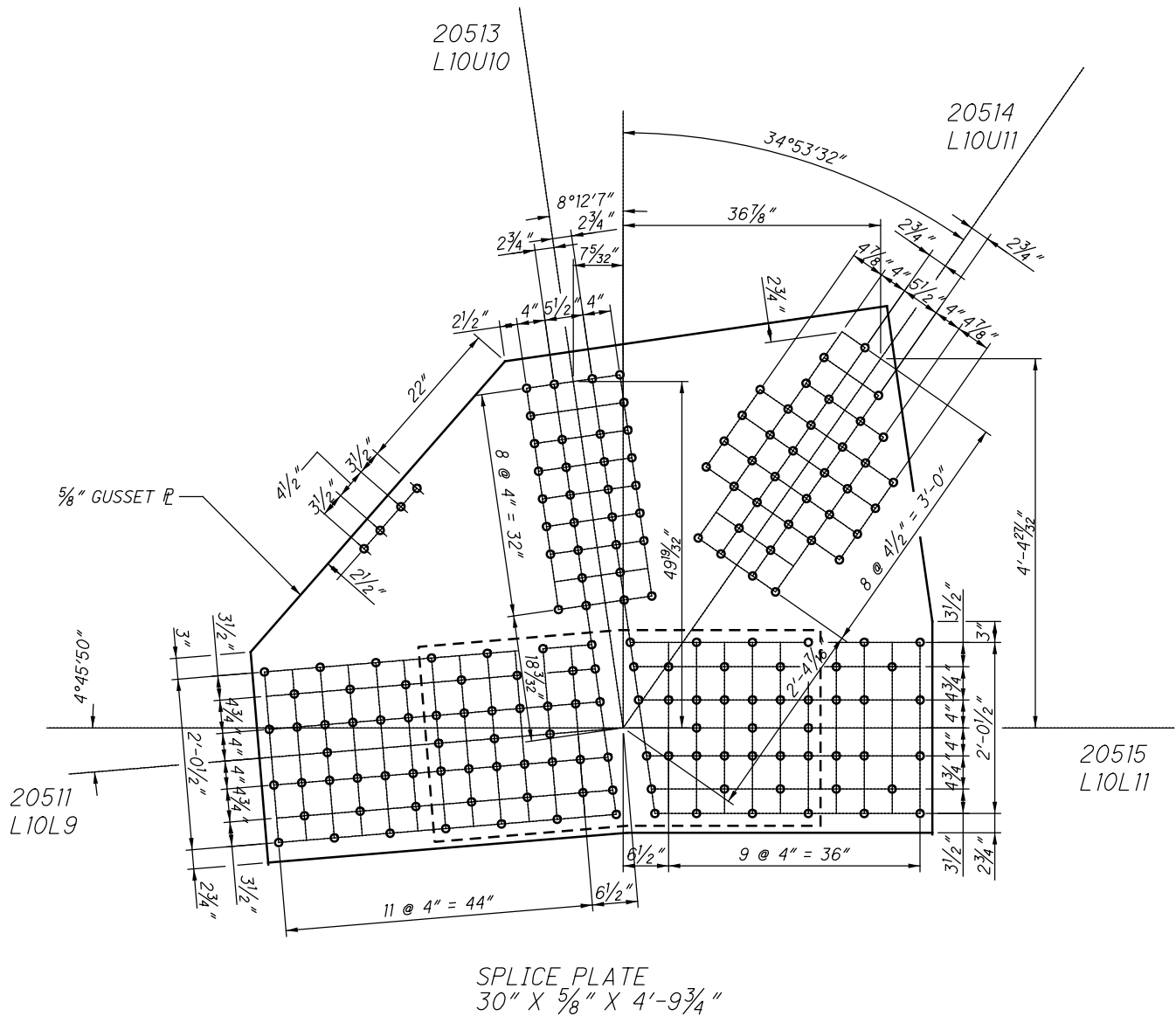
20505
L9L10



**L50 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

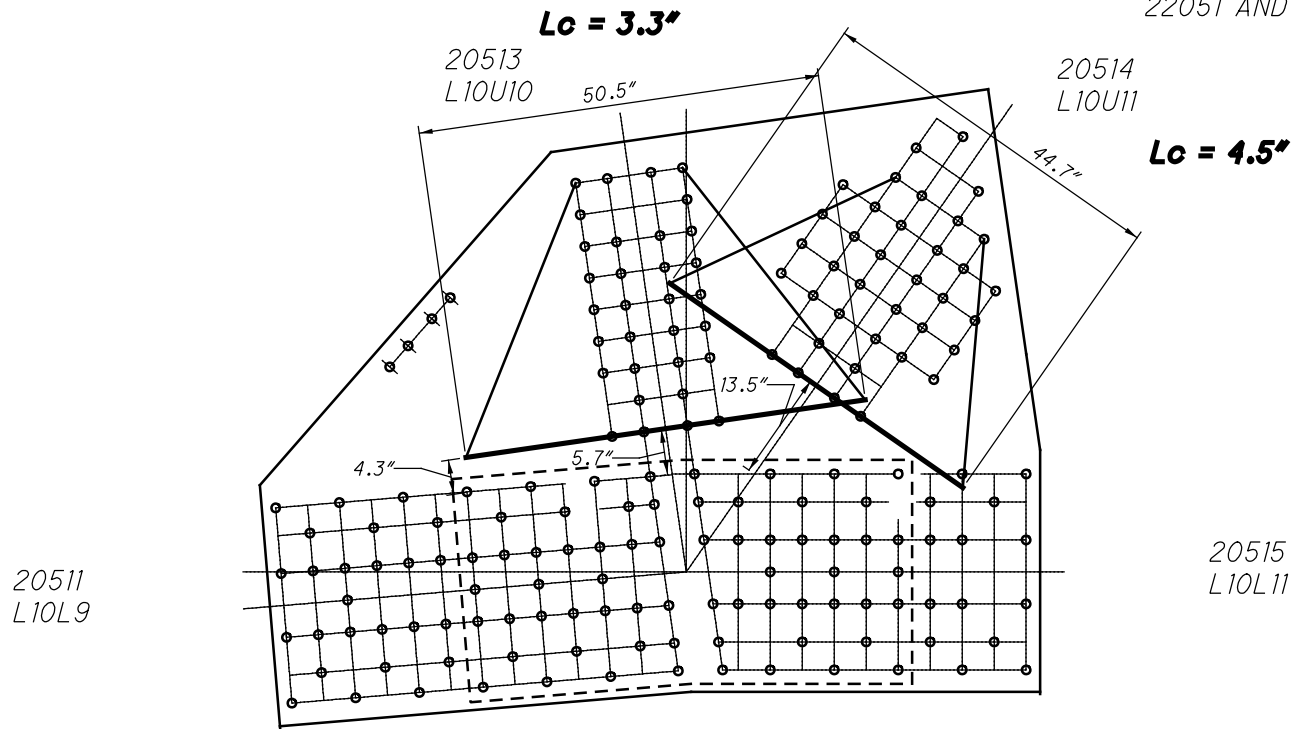


**L50 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

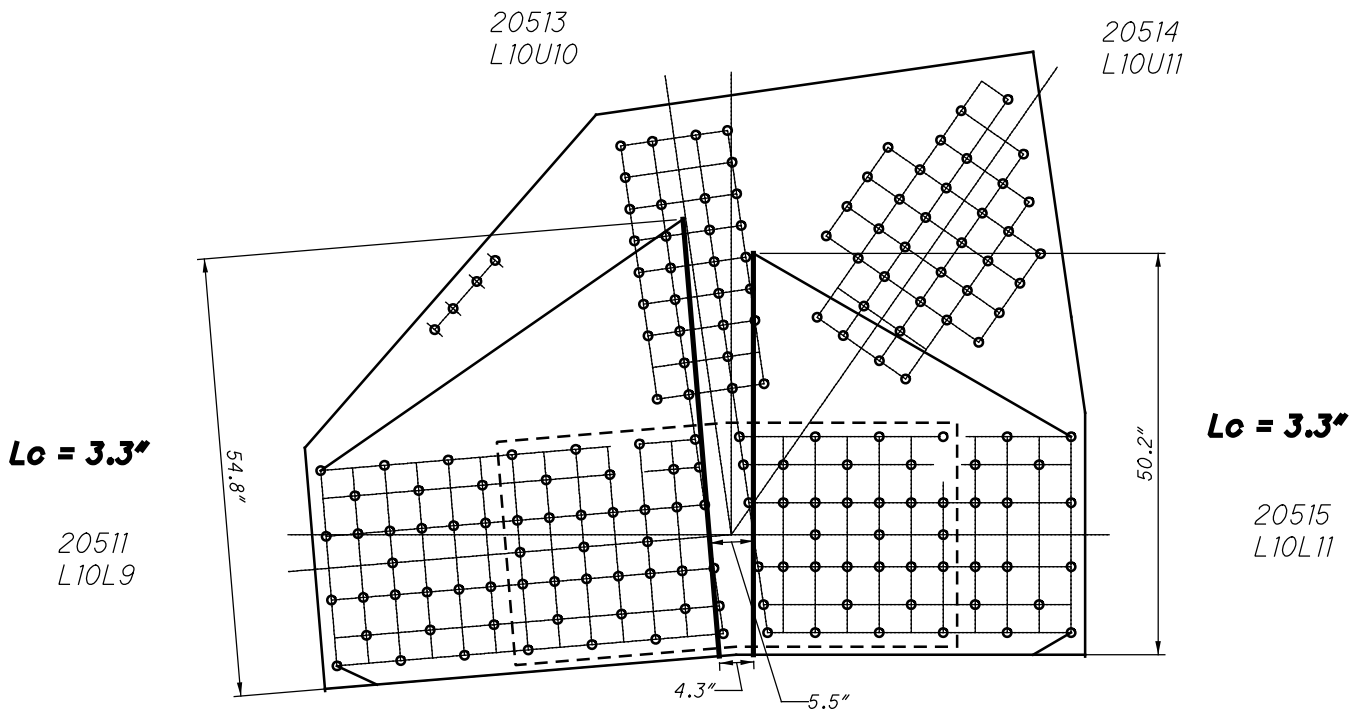


**L51 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

22051 AND 32051



**L51 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L51 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

22051 AND 32051

32 RIVETS
x 2 PLATES
=64 RIVETS

20513
L10U10

20514
L10U11

29 RIVETS
x 2 PLATES
=58 RIVETS

58 RIVETS
x 2 PLATES
=116 RIVETS

20511
L10L9

33 SPLICE P
x 2 PLATES
=66 RIVETS

46 RIVETS
x 2 PLATES
=92 RIVETS

20515
L10L11

32 SPLICE P
x 2 PLATES
=64 RIVETS

**L51 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

20513
L10U10

29.3"

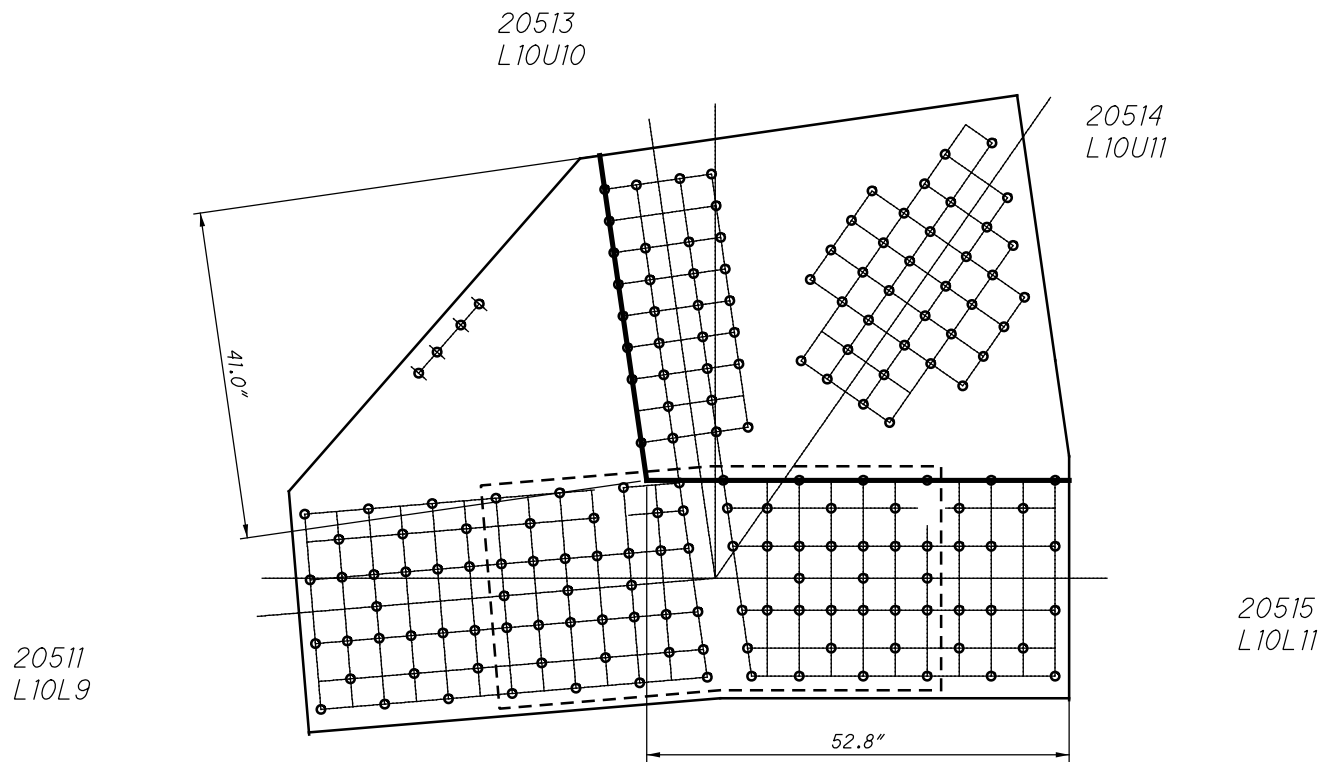
20514
L10U11

20511
L10L9

20515
L10L11

97.6"

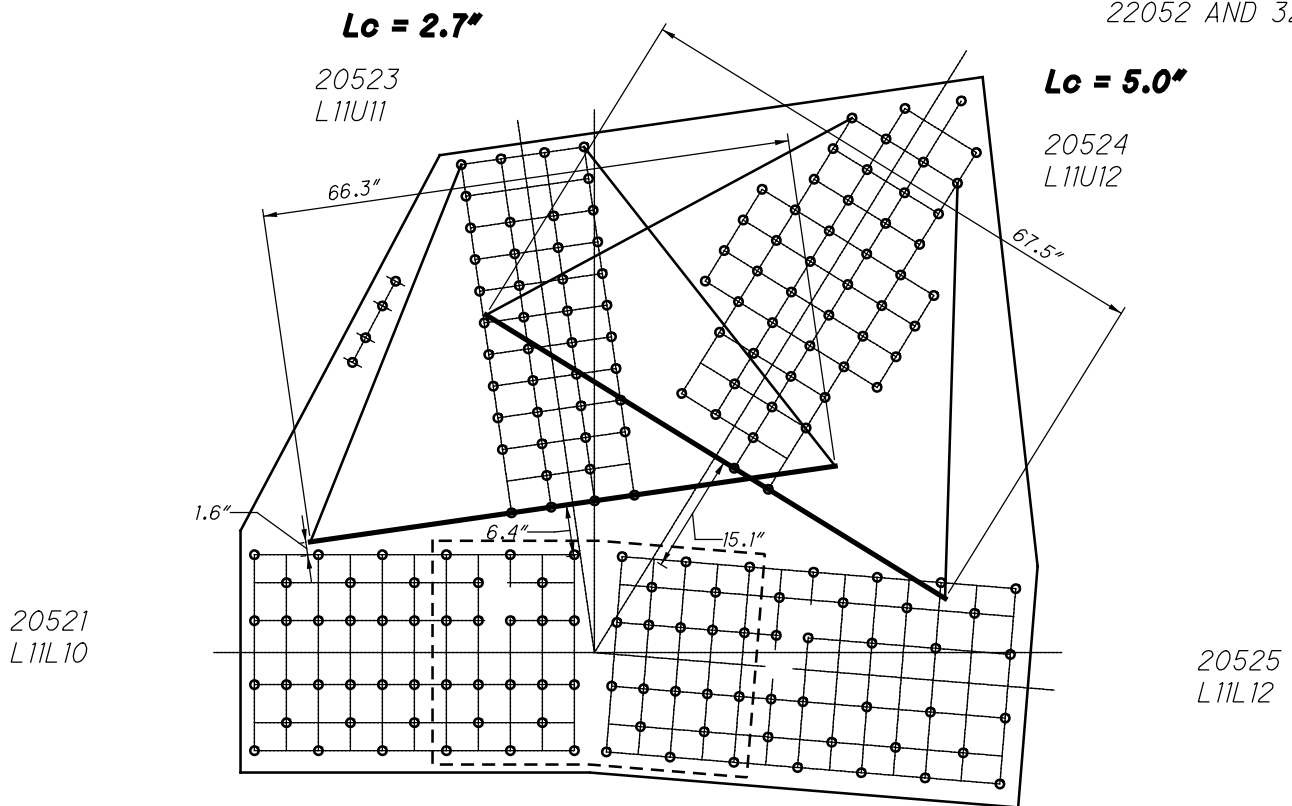
**L51 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



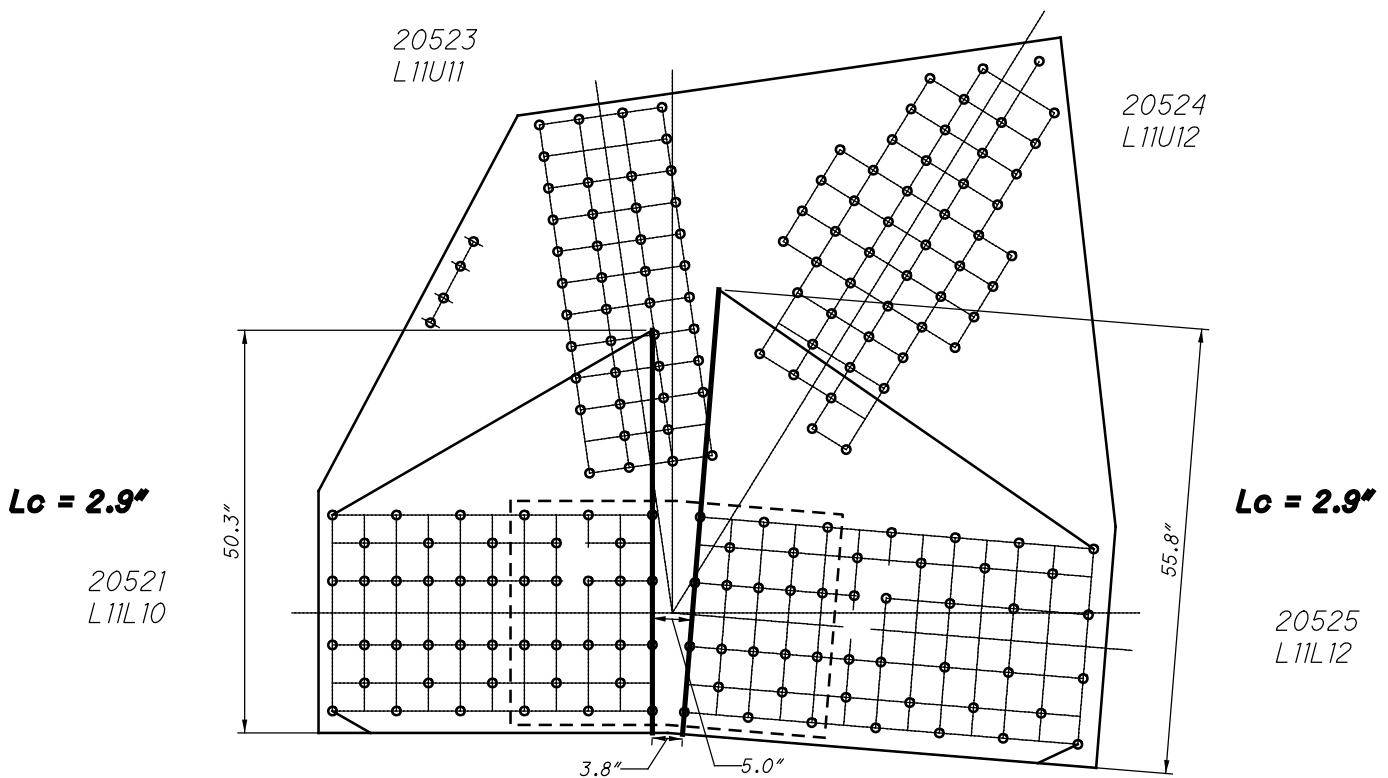
**L51 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

**L52 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

22052 AND 32052



**L52 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L52 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

22052 AND 32052

44 RIVETS
x 2 PLATES
=88 RIVETS

20523
L11U11

20524
L11U12

43 RIVETS
x 2 PLATES
=86 RIVETS

44 RIVETS
x 2 PLATES
=88 RIVETS

20521
L11L10

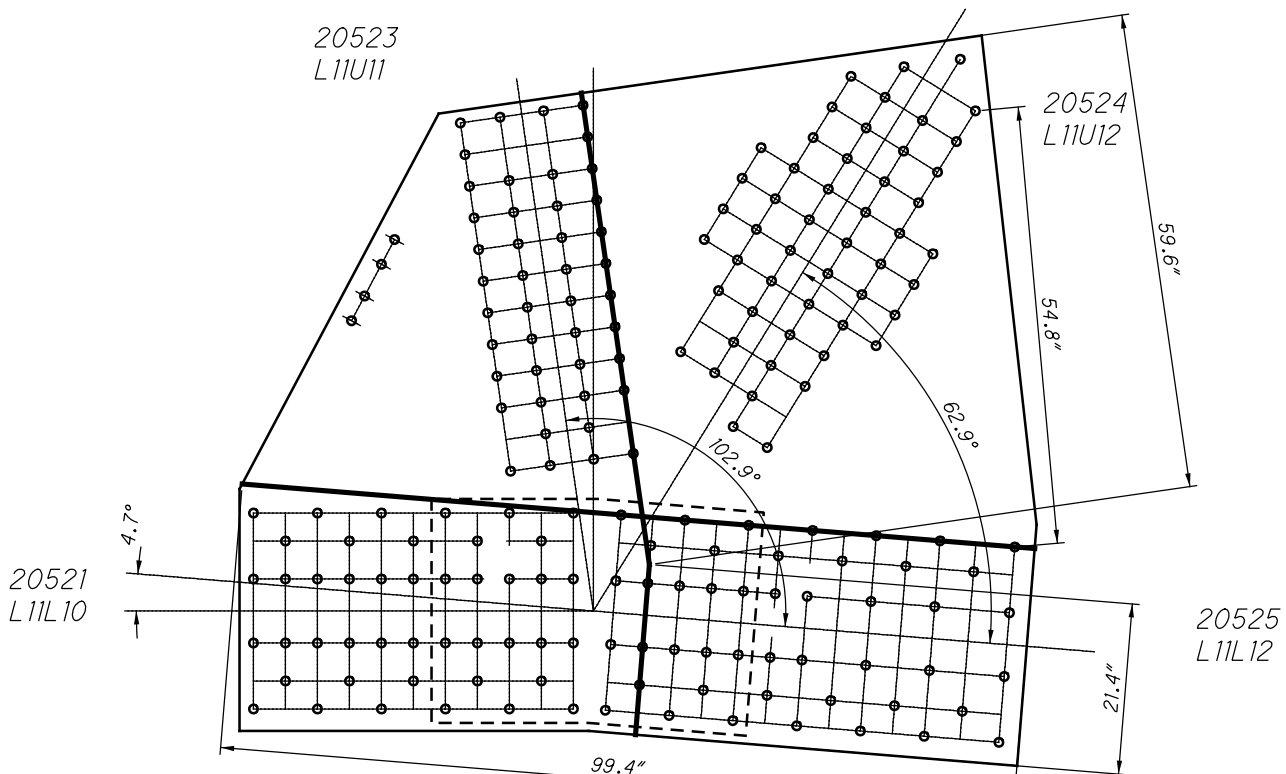
46 RIVETS
x 2 PLATES
=92 RIVETS

20525
L11L12

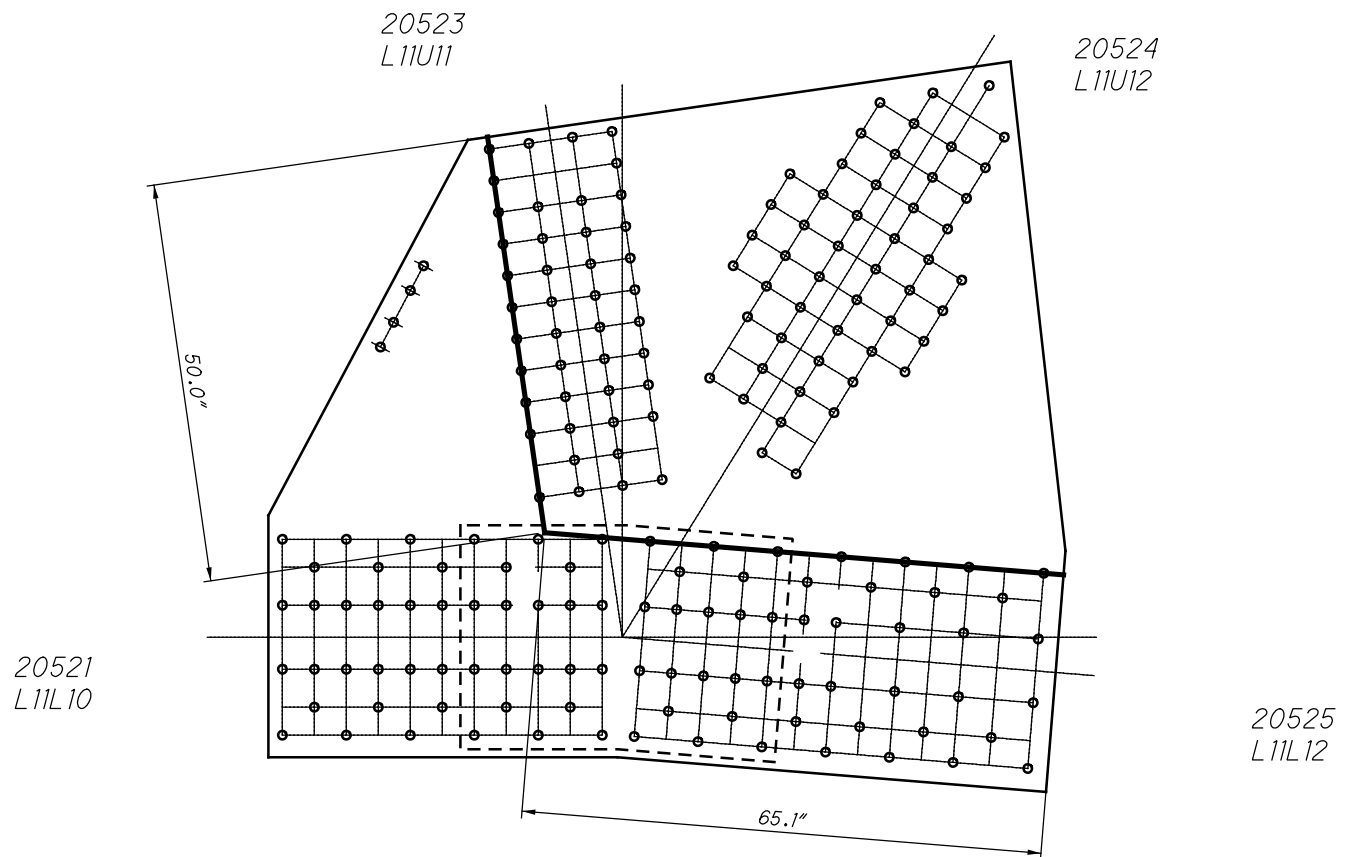
20 SPLICE P
x 2 PLATES
=40 RIVETS

20 SPLICE P
x 2 PLATES
=40 RIVETS

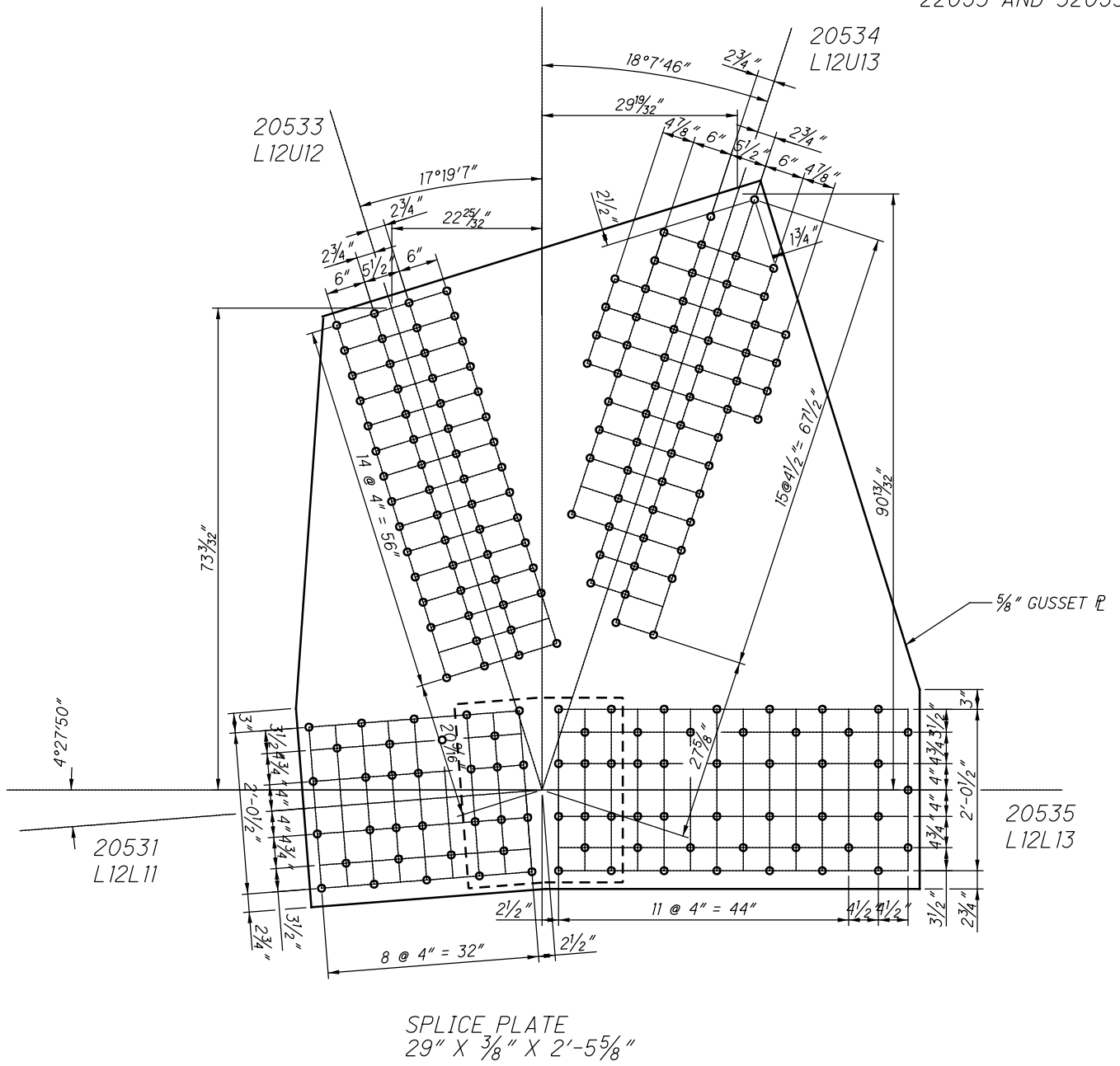
**L52 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L52 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



**L52 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L53 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

22053 AND 32053

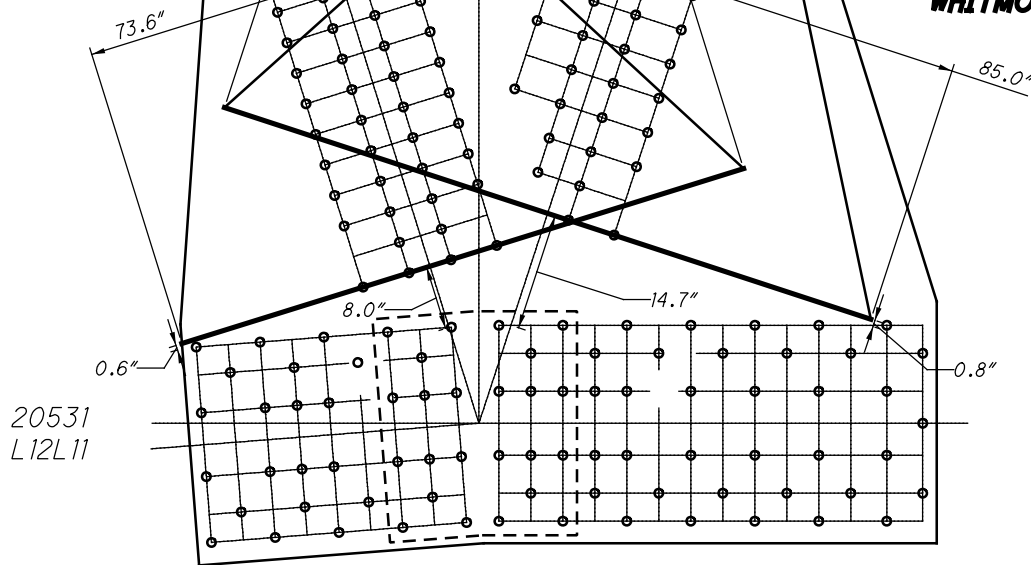
$L_c = 2.9''$

20534
L12U13

$L_c = 5.2''$

20533
L12U12

**L53 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



20534
L12U13

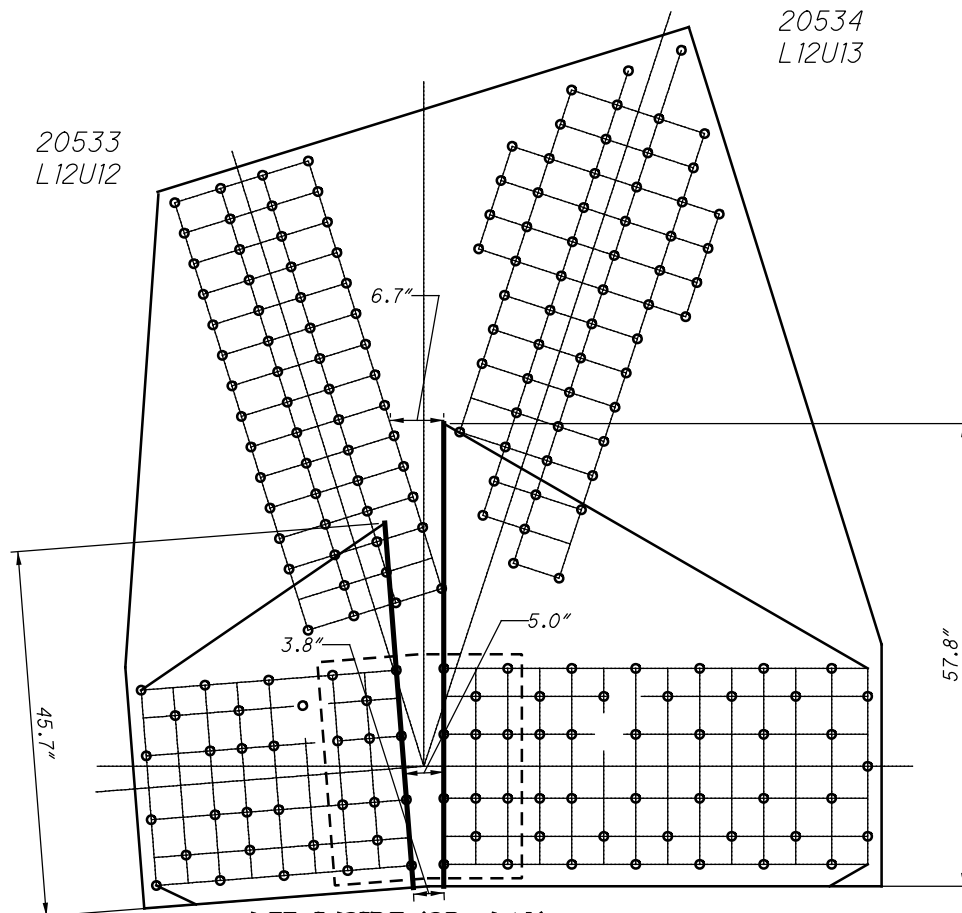
20533
L12U12

$L_c = 2.9''$

20531
L12L11

$L_c = 5.2''$

20535
L12L13



**L53 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

58 RIVETS
x 2 PLATES
=116 RIVETS

22053 AND 32053

52 RIVETS
x 2 PLATES
=104 RIVETS

**L53 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

47 RIVETS
x 2 PLATES
=94 RIVETS

20535
L12L13

12 SPLICE P
x 2 PLATES
=24 RIVETS

20531
L12L11

32 RIVETS
x 2 PLATES
=64 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

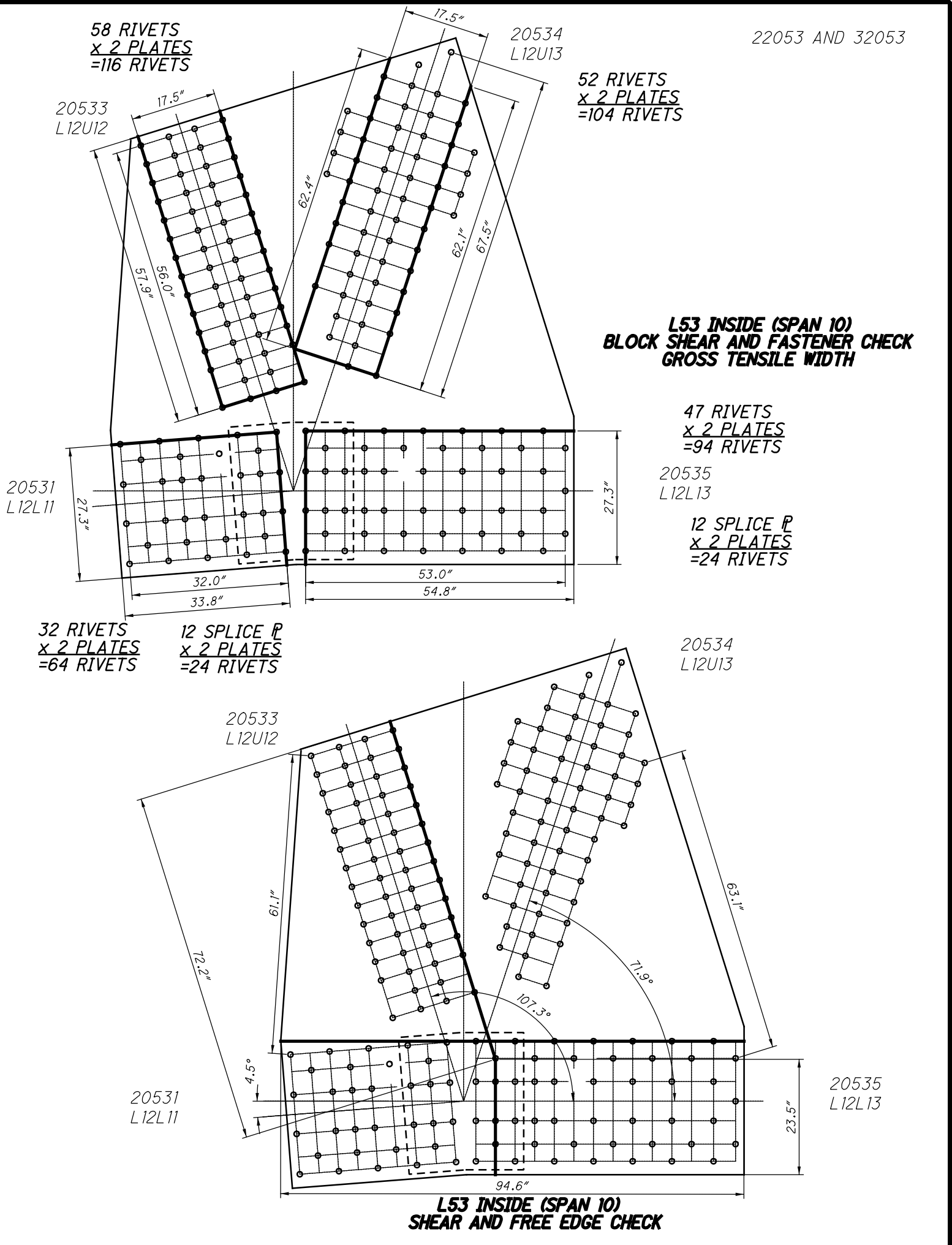
20534
L12U13

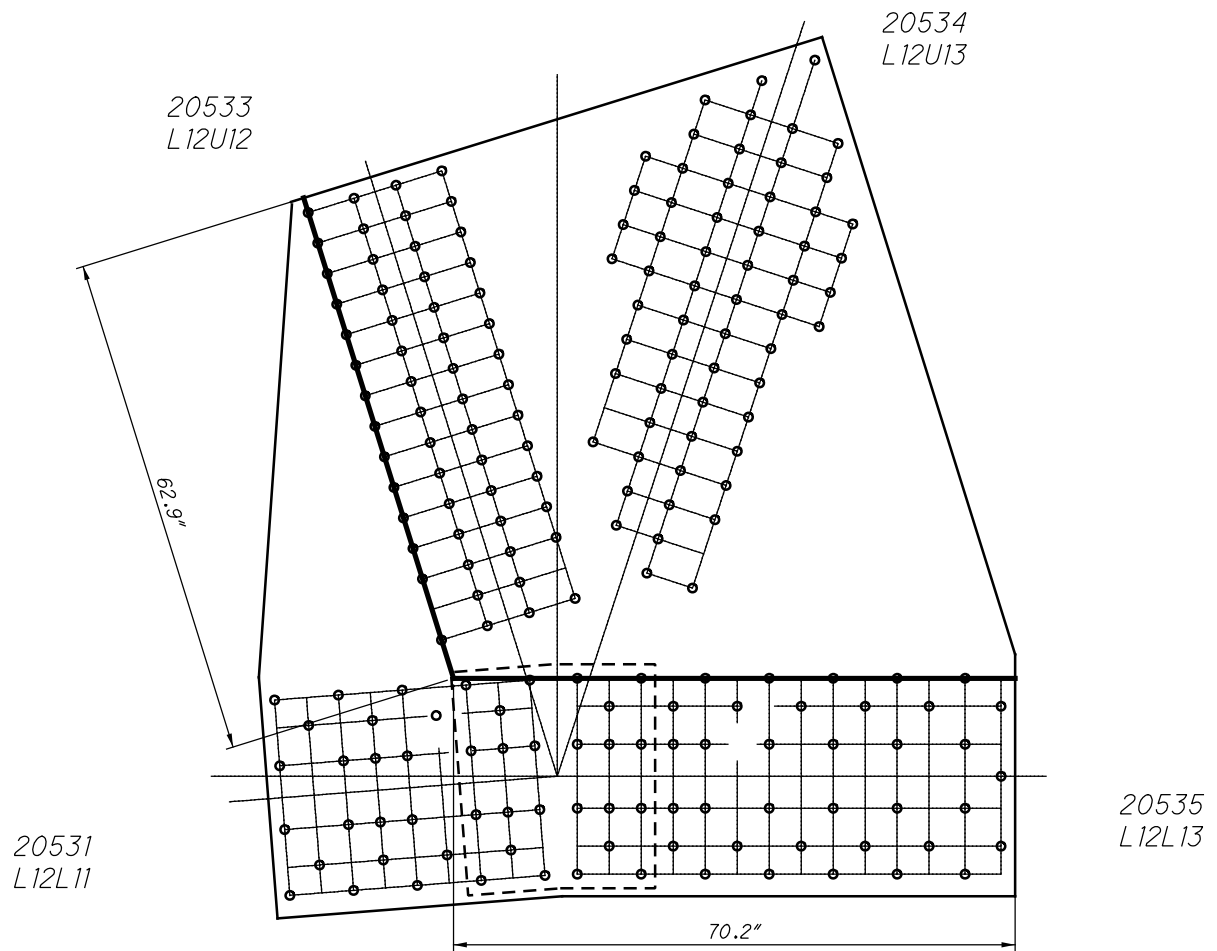
20533
L12U12

20531
L12L11

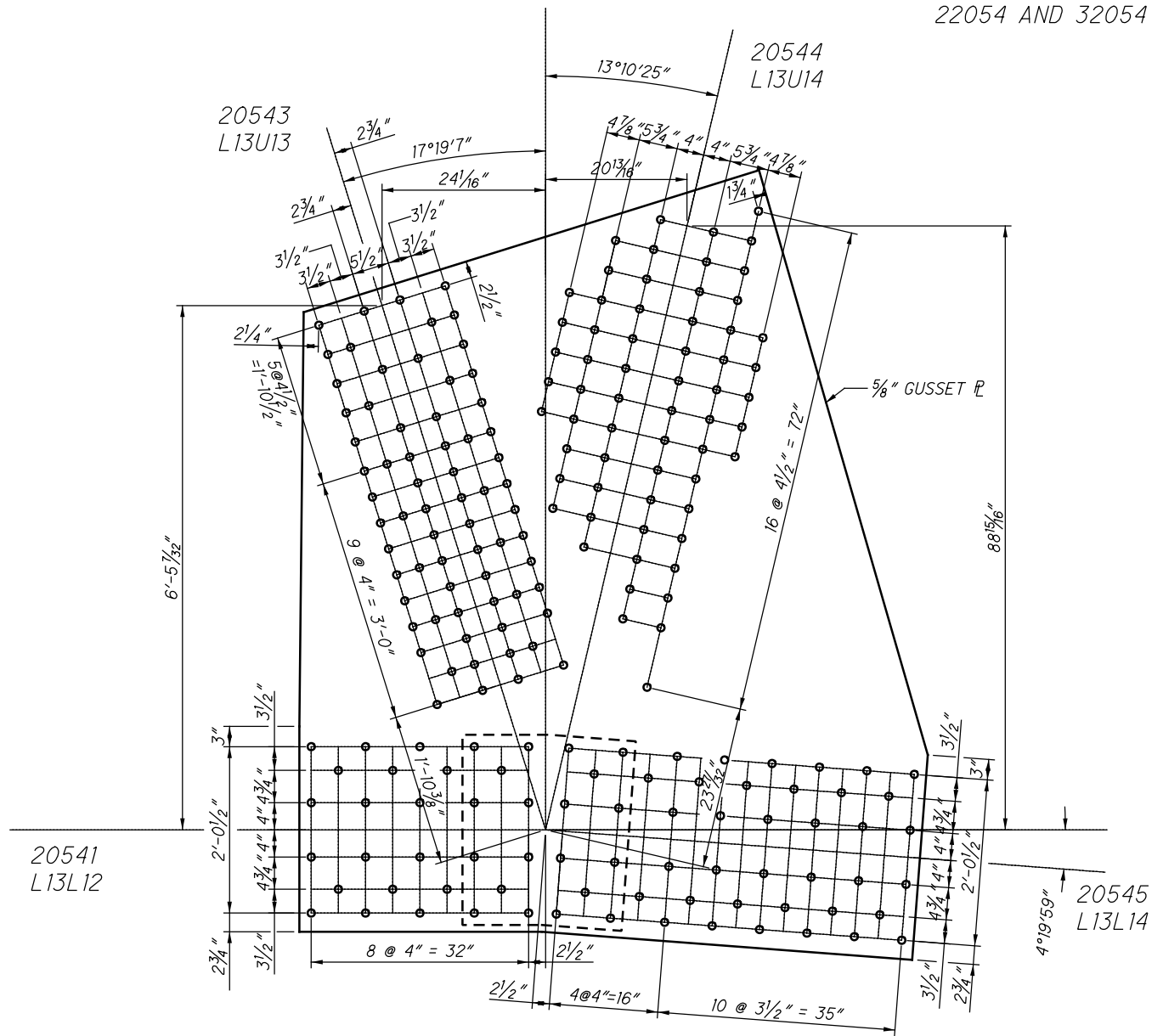
20535
L12L13

**L53 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**





**L53 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



SPLICE PLATE
29" X 3/8" X 2'-15/8"

**L54 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

$L_c = 3.2''$

20544
L13U14

22054 AND 32054

20543
L13U13

$L_c = 11.5''$

**L54 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

74.5"

81.9"

20541
L13L12

9.5"

20.4"

14.1"

20545
L13L14

20544
L13U14

20543
L13U13

**L54 INSIDE (SPAN 10)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

$L_c = 5.8''$

$L_c = 3.0''$

20541
L13L12

45.7"

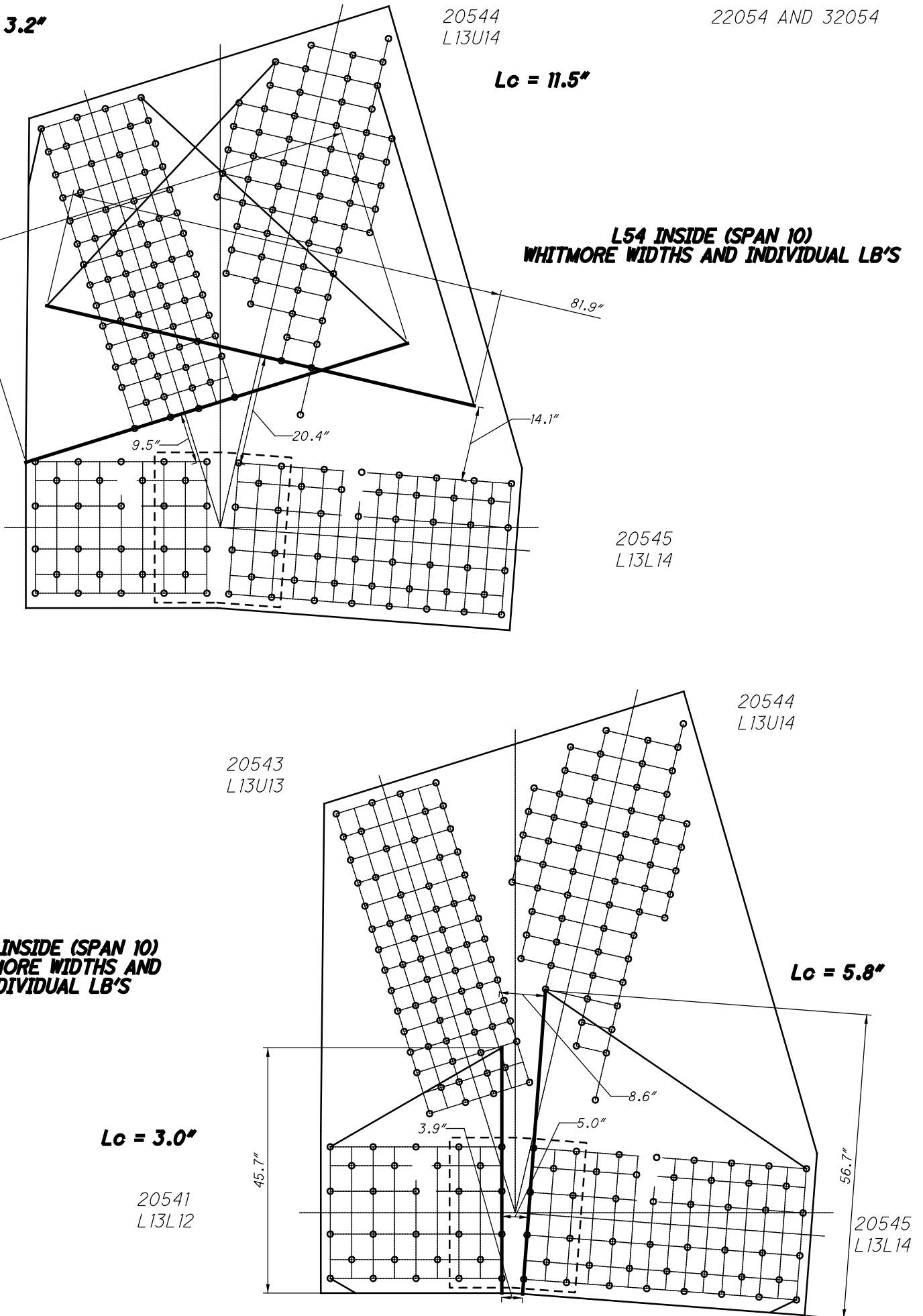
3.9"

5.0"

8.6"

56.7"

20545
L13L14



68 RIVETS
x 2 PLATES
=136 RIVETS

20543
L13U13

20544
L13U14

22054 AND 32054

52 RIVETS
x 2 PLATES
=104 RIVETS

**L54 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

46 RIVETS
x 2 PLATES
=92 RIVETS

20545
L13L14

10 SPLICE P
x 2 PLATES
=20 RIVETS

20541
L13L12

28 RIVETS
x 2 PLATES
=56 RIVETS

10 SPLICE P
x 2 PLATES
=20 RIVETS

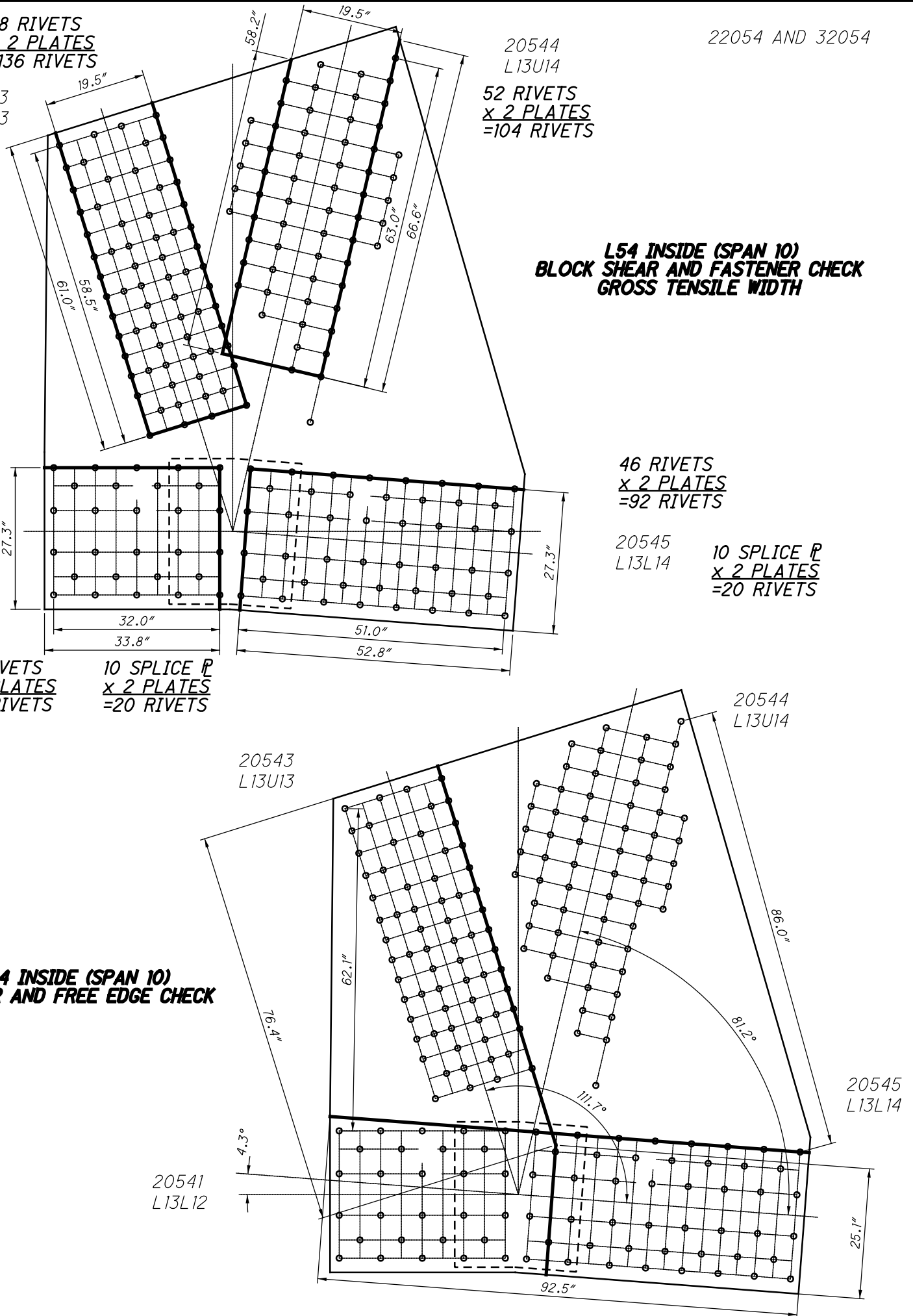
**L54 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

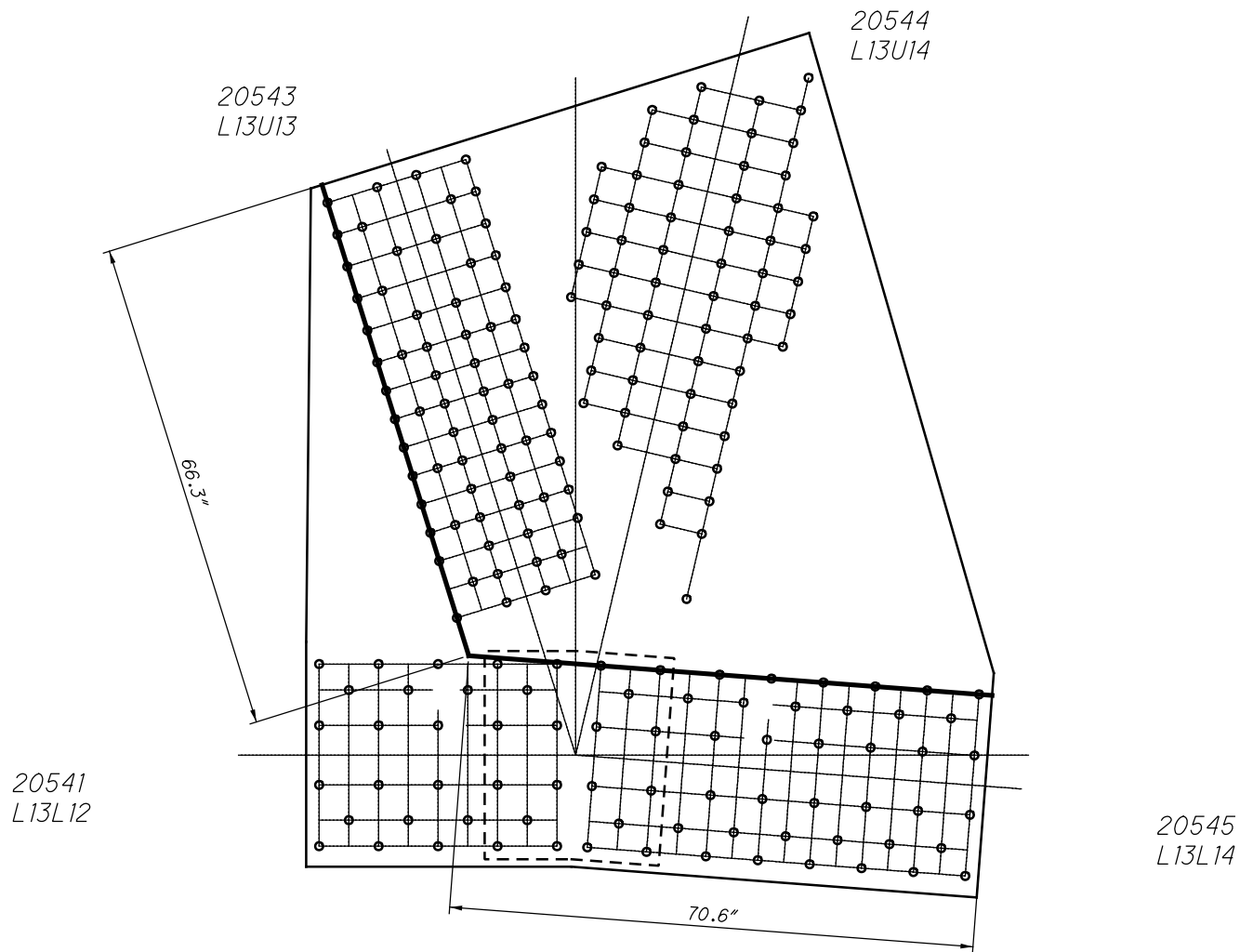
20543
L13U13

20544
L13U14

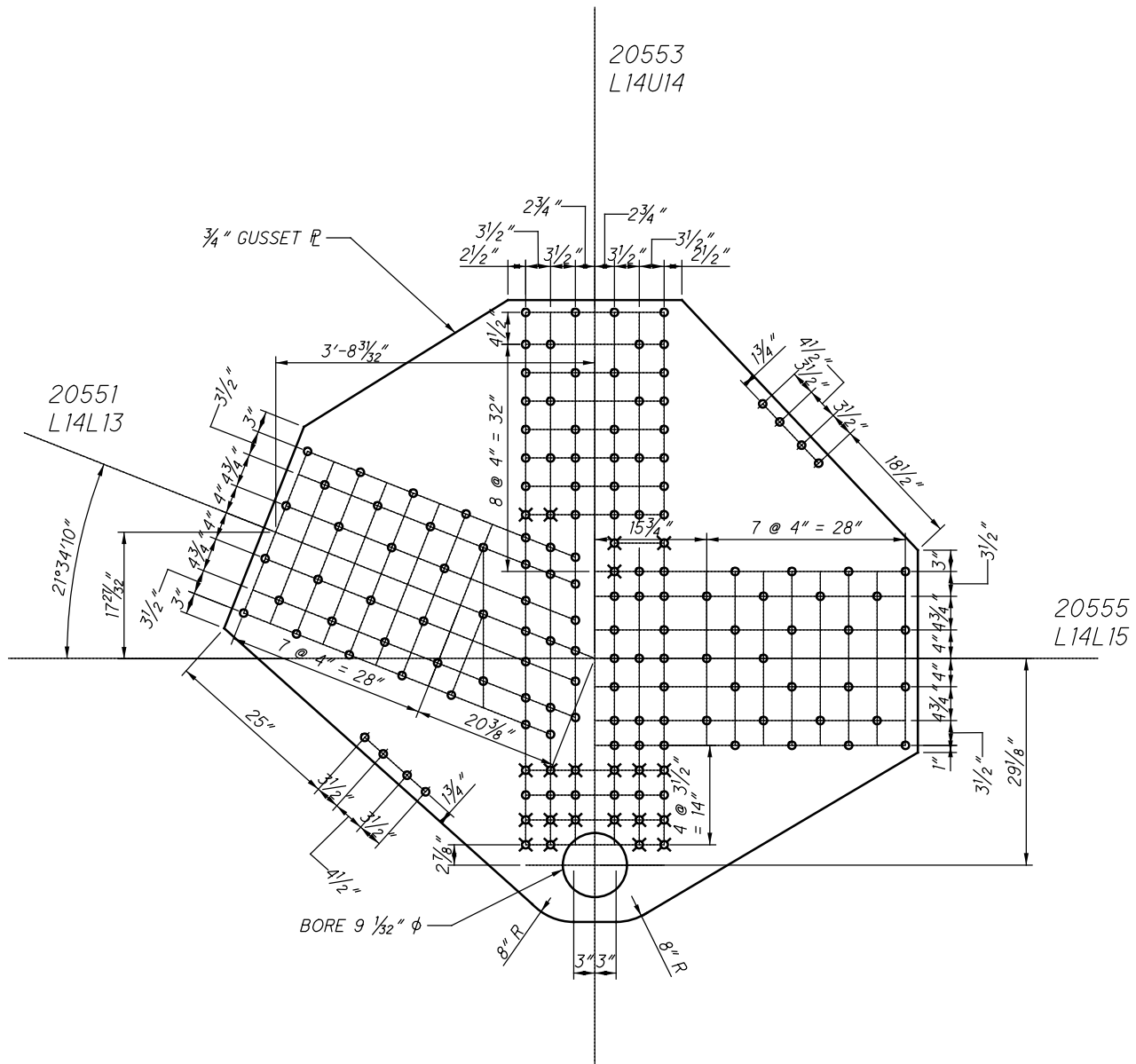
20545
L13L14

20541
L13L12





**L54 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

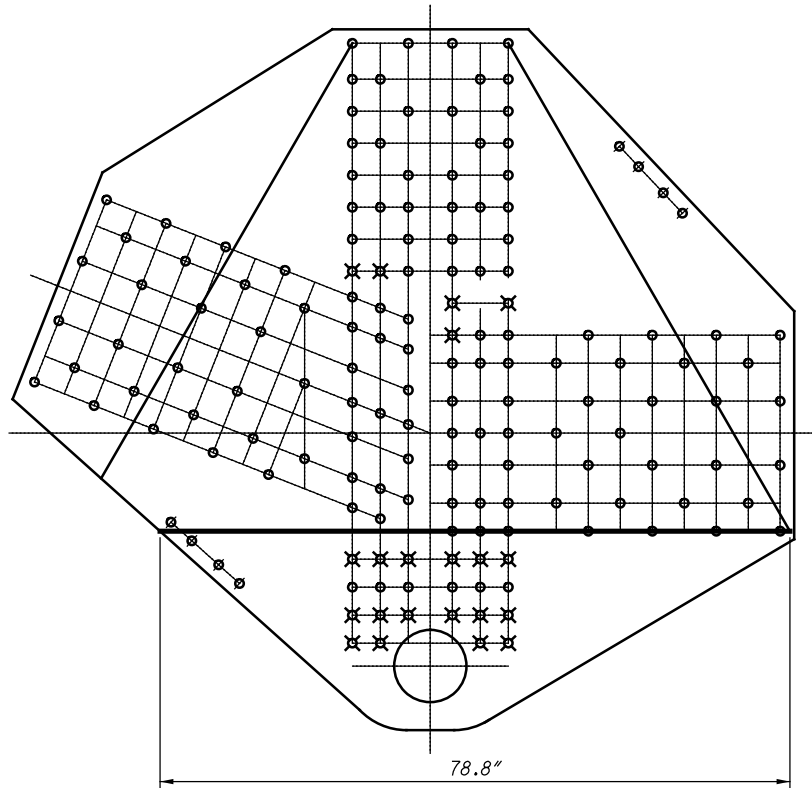


**L55 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

20553
L14U14

20551
L14L13

20555
L14L15



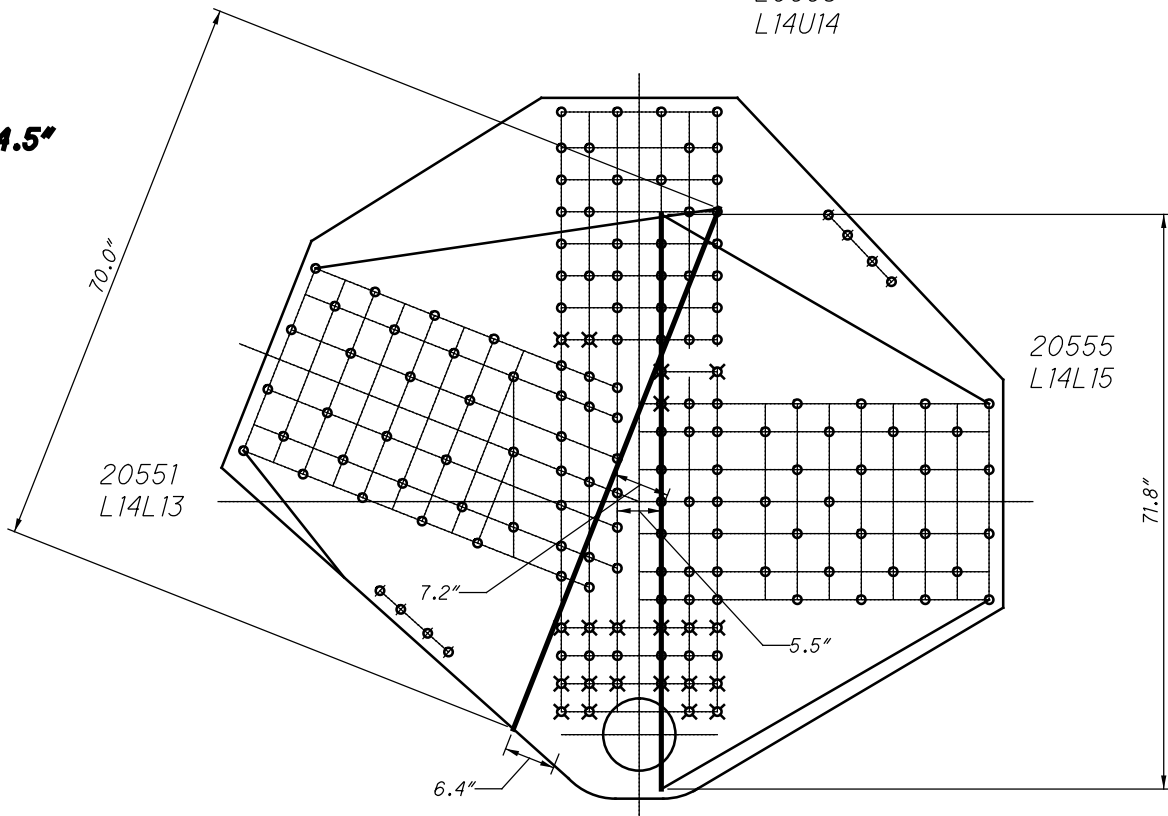
**L55 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20553
L14U14

$L_c = 4.5"$

20551
L14L13

20555
L14L15



$L_c = 1.8"$

**L55 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

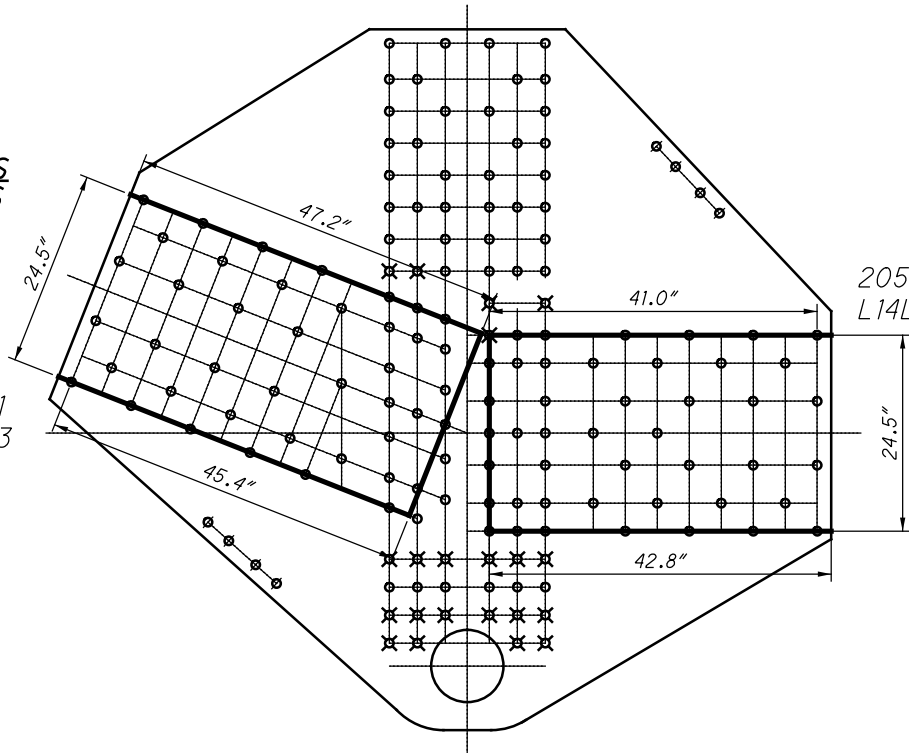
20553
L14U14

42 RIVETS
x 2 PLATES
=84 RIVETS

20551
L14L13

20555
L14L15

45 RIVETS
x 2 PLATES
=90 RIVETS

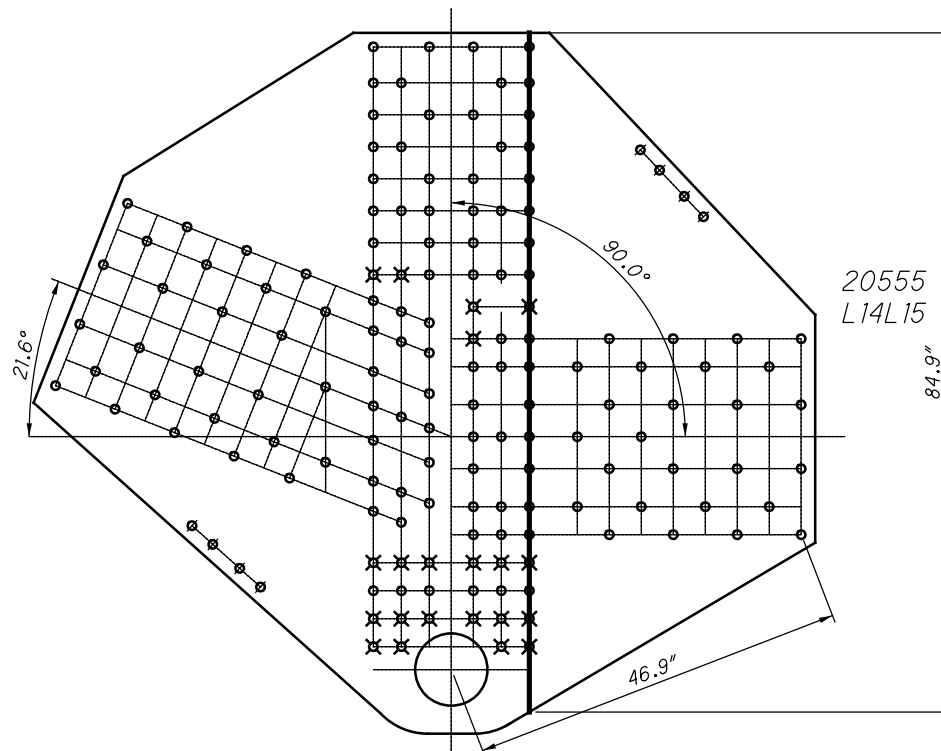


**L55 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

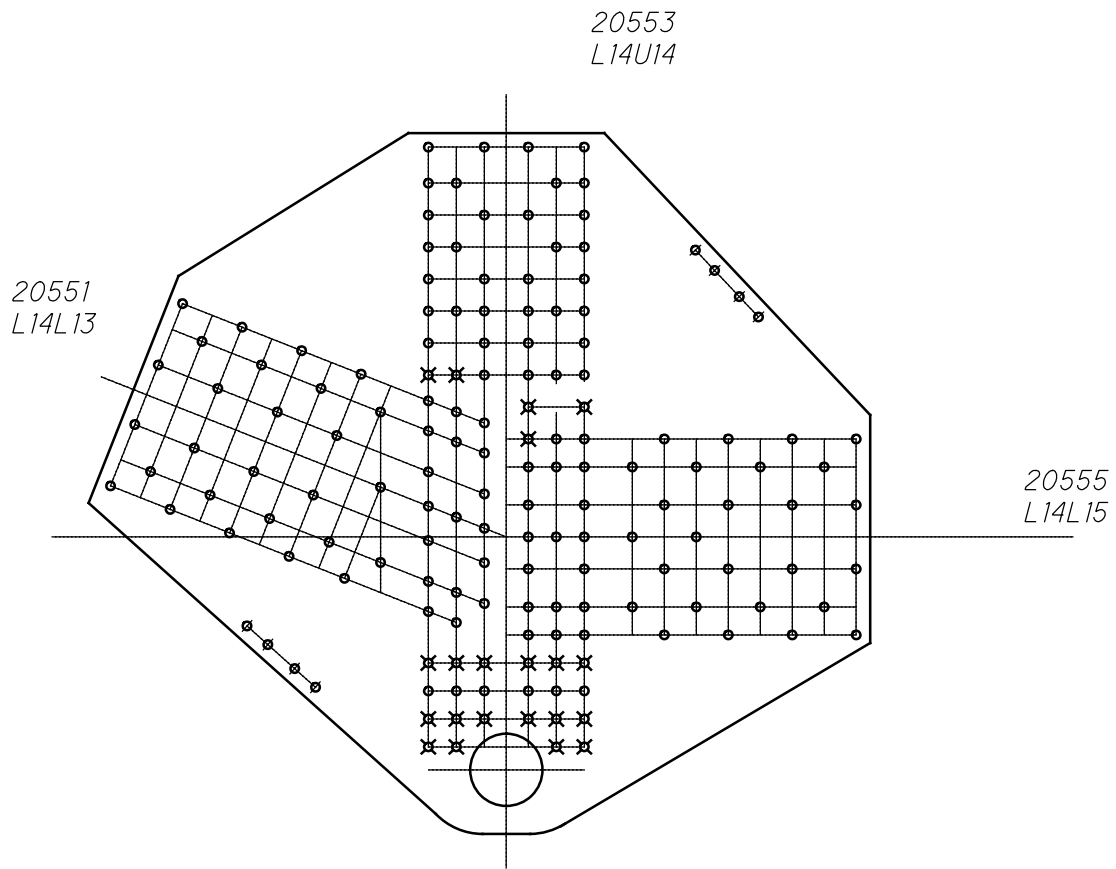
20553
L14U14

20551
L14L13

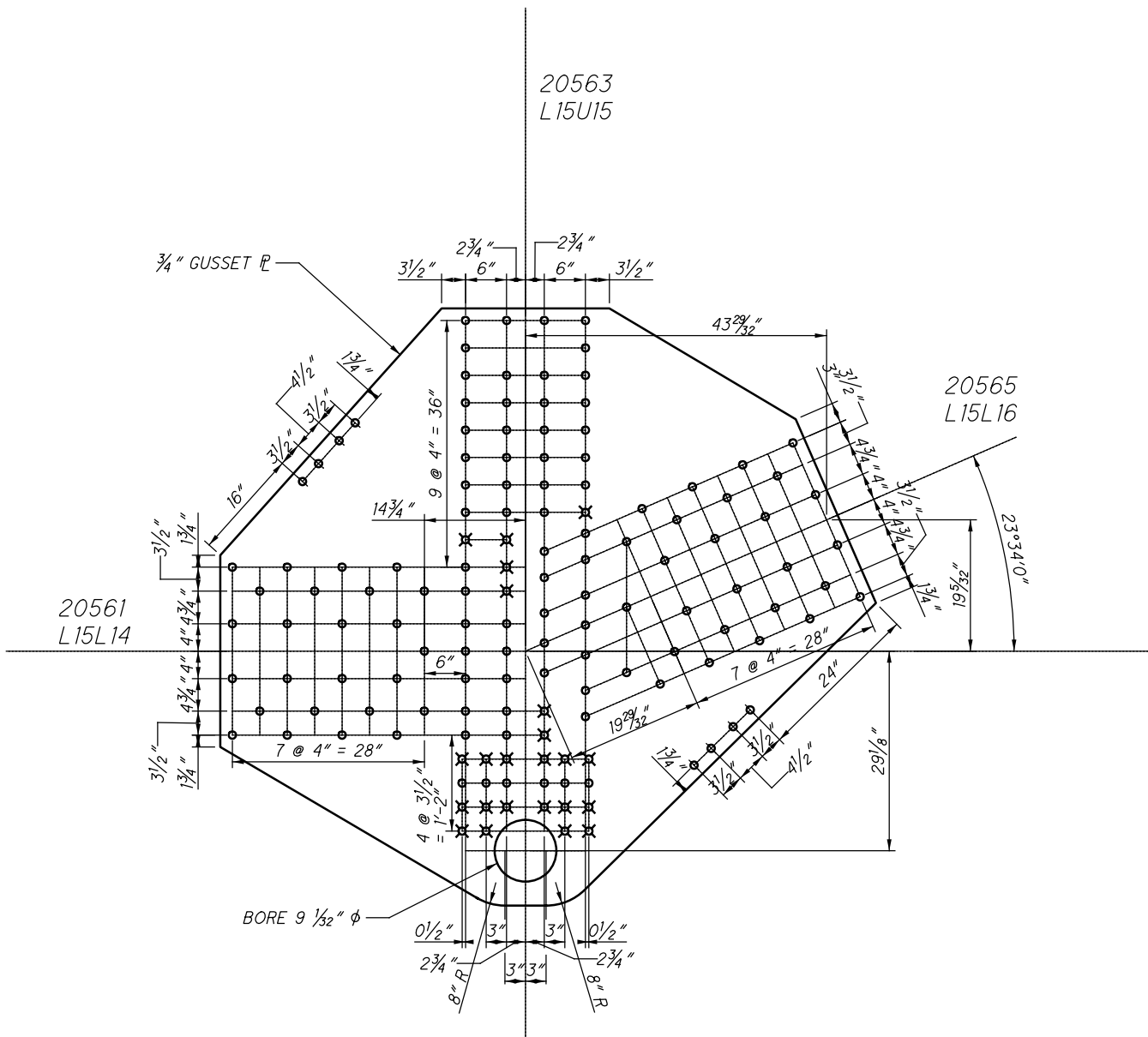
20555
L14L15



**L55 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



**L55 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



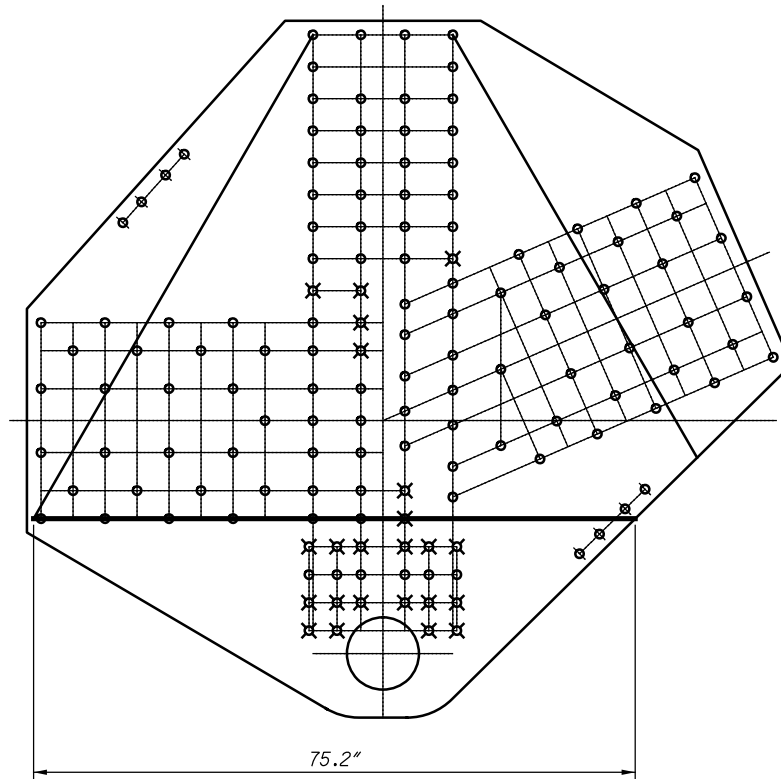
**L56 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

20563
L15U15

22056 AND 32056

20561
L15L14

20565
L15L16

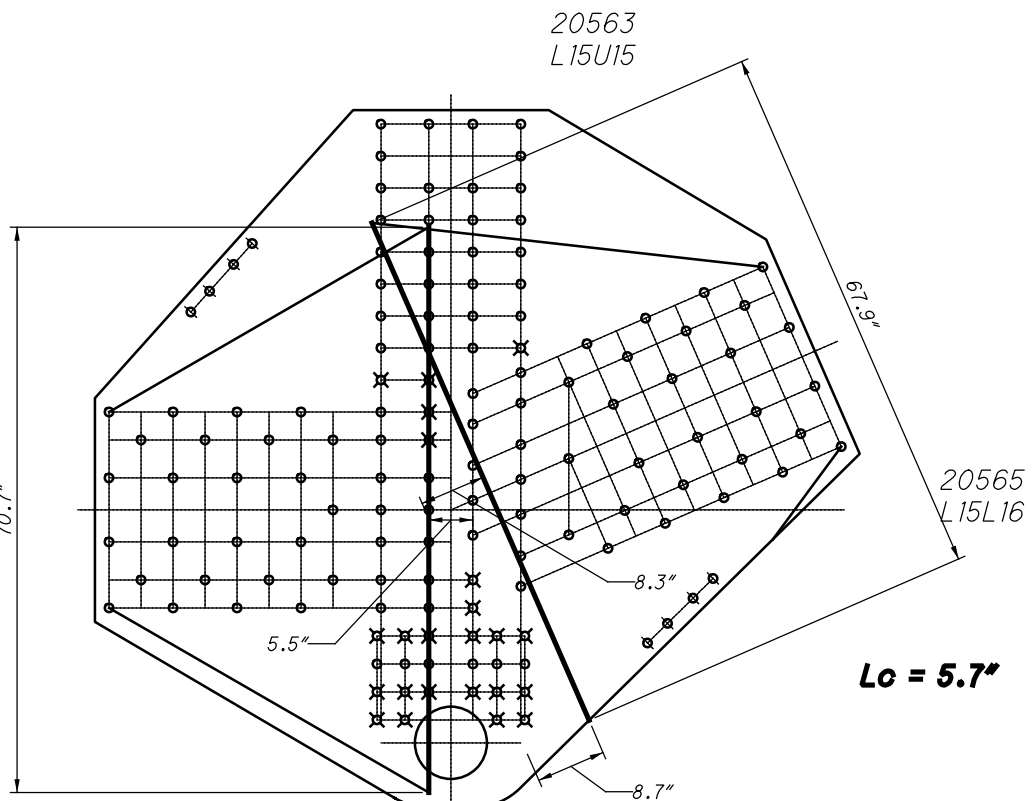


**L56 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20563
L15U15

$L_c = 1.8"$

20561
L15L14
70.7"



$L_c = 5.7"$

**L56 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20563
L15U15

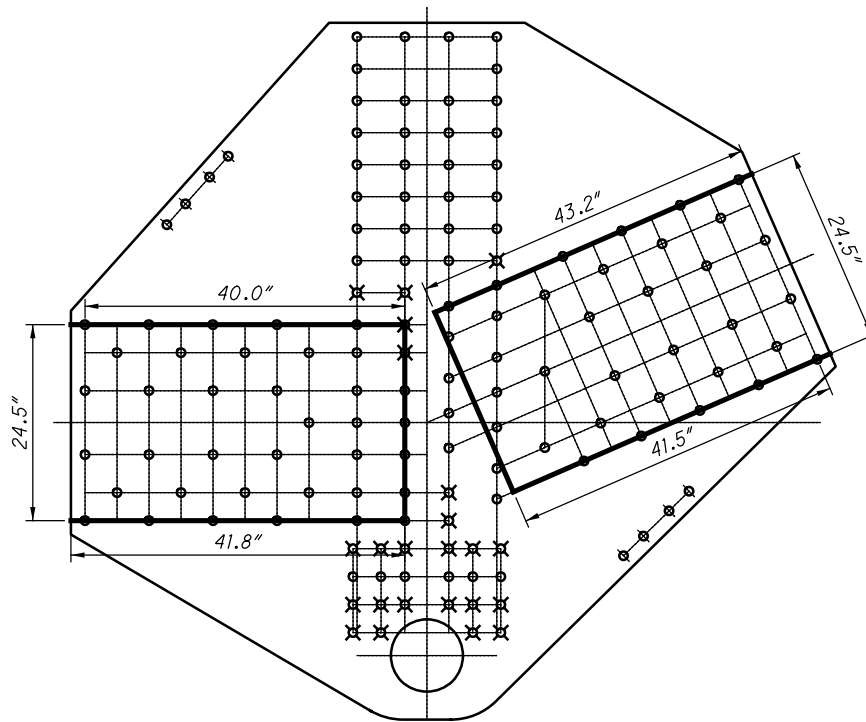
22056 AND 32056

39 RIVETS
x 2 PLATES
= 78 RIVETS

20561
L15L14

35 RIVETS
x 2 PLATES
= 70 RIVETS

20565
L15L16

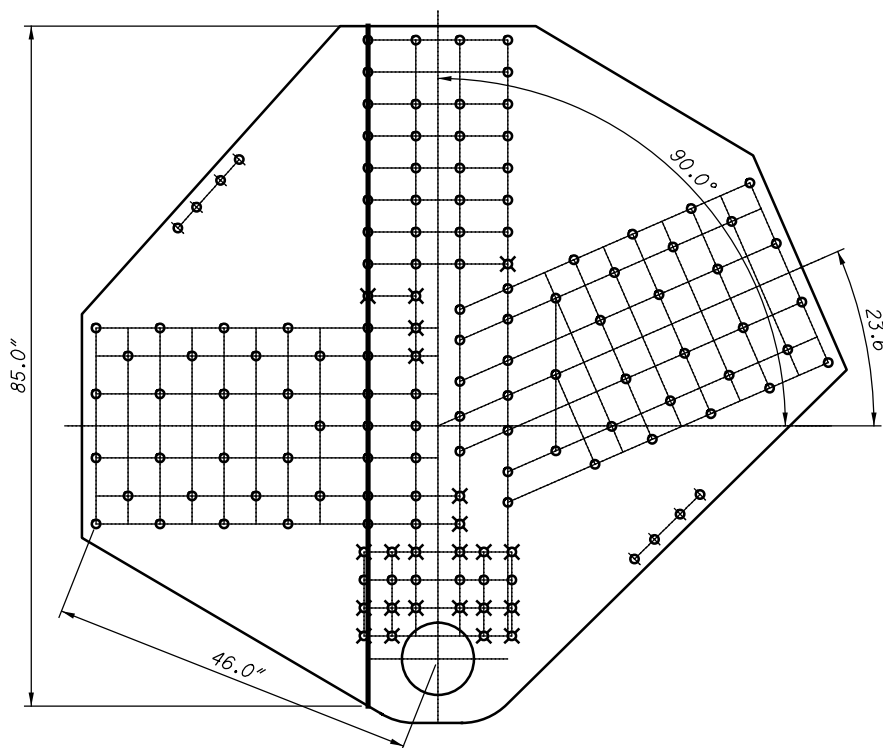


**L56 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

20563
L15U15

20561
L15L14

20565
L15L16

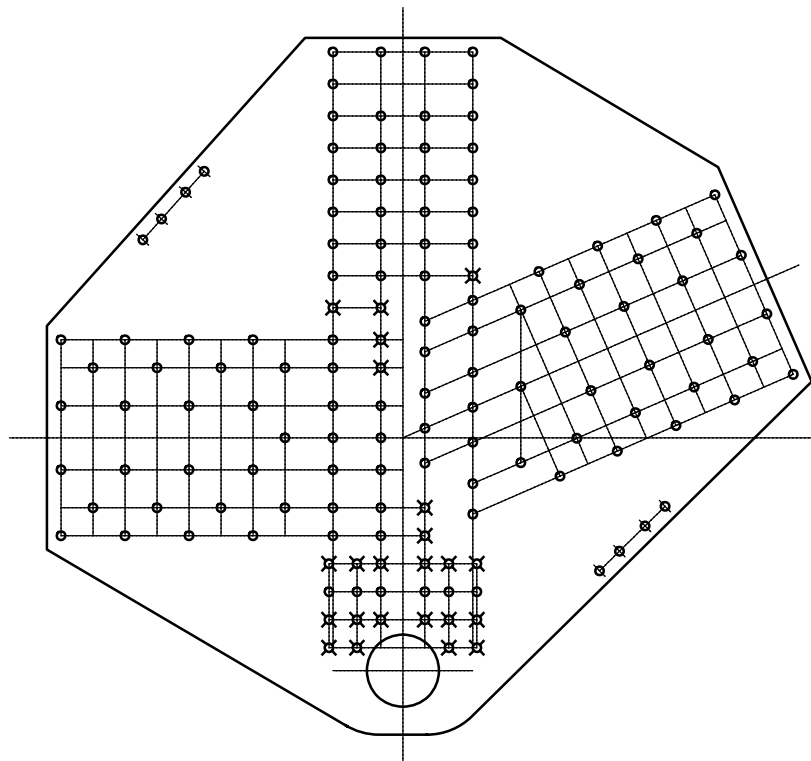


**L56 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

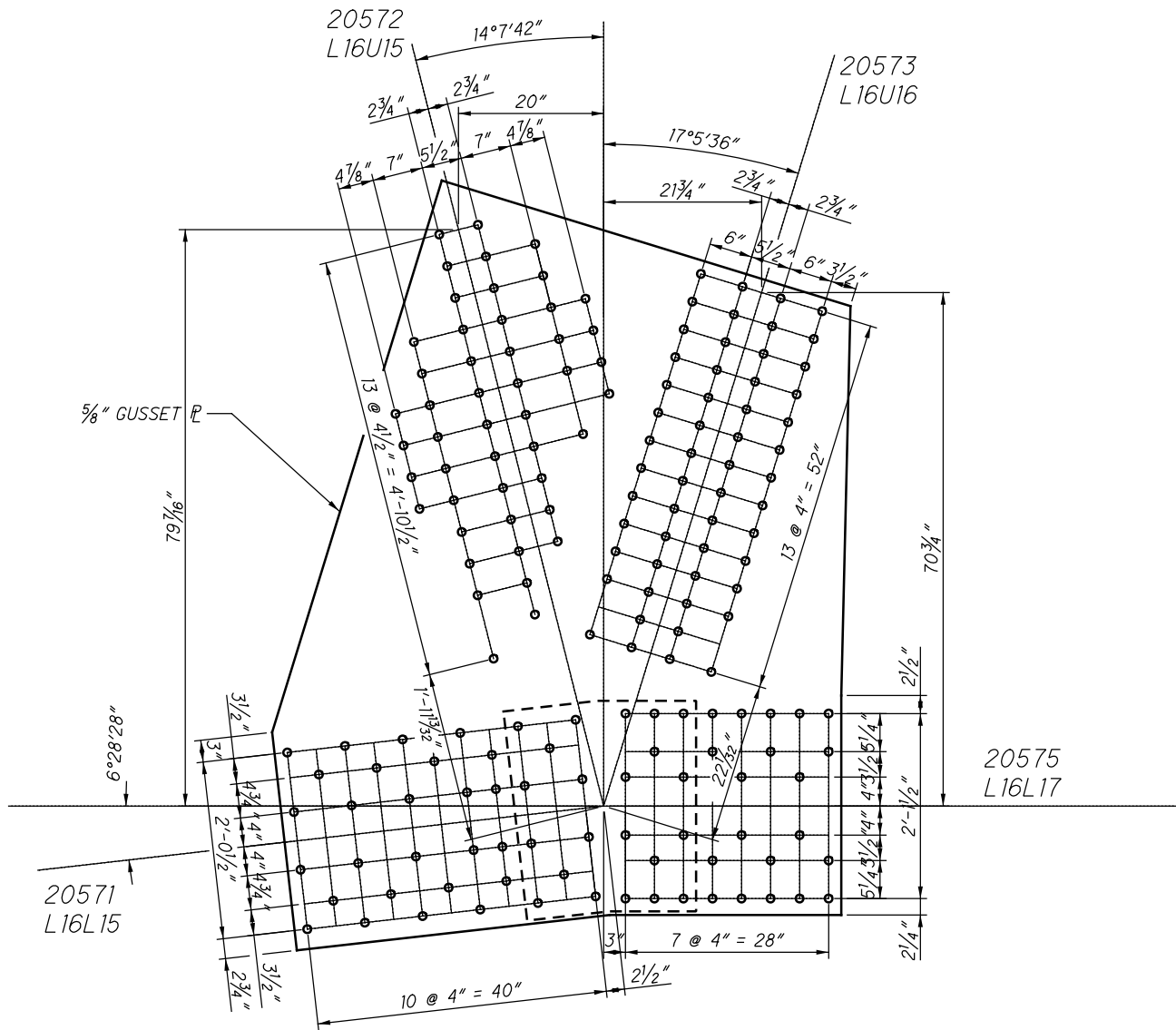
20563
L15U15

20565
L15L16

20561
L15L14



**L56 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



SPLICE PLATE
29" X 3/8" X 2'-2 5/8"

**L57 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

20572
L16U15

$L_c = 3.0''$

22057 AND 32057

$L_c = 12.0''$

20573
L16U16

61.1"

66.3"

15.9"

20.0"

8.7"

20575
L16L17

0.2"

20571
L16L15

**L57 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20572
L16U15

20573
L16U16

20575
L16L17

$L_c = 5.9''$

8.4"

3.8"

5.5"

50.3"

43.9"

20571
L16L15

$L_c = 3.1''$

**L57 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

38 RIVETS
x 2 PLATES
=76 RIVETS

20572
L16U15

54 RIVETS
x 2 PLATES
=108 RIVETS

22057 AND 32057

20573
L16U16

36 RIVETS
x 2 PLATES
=72 RIVETS

20571
L16L15

20575
L16L17

32 RIVETS
x 2 PLATES
=64 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

10 SPLICE P
x 2 PLATES
=20 RIVETS

**L57 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

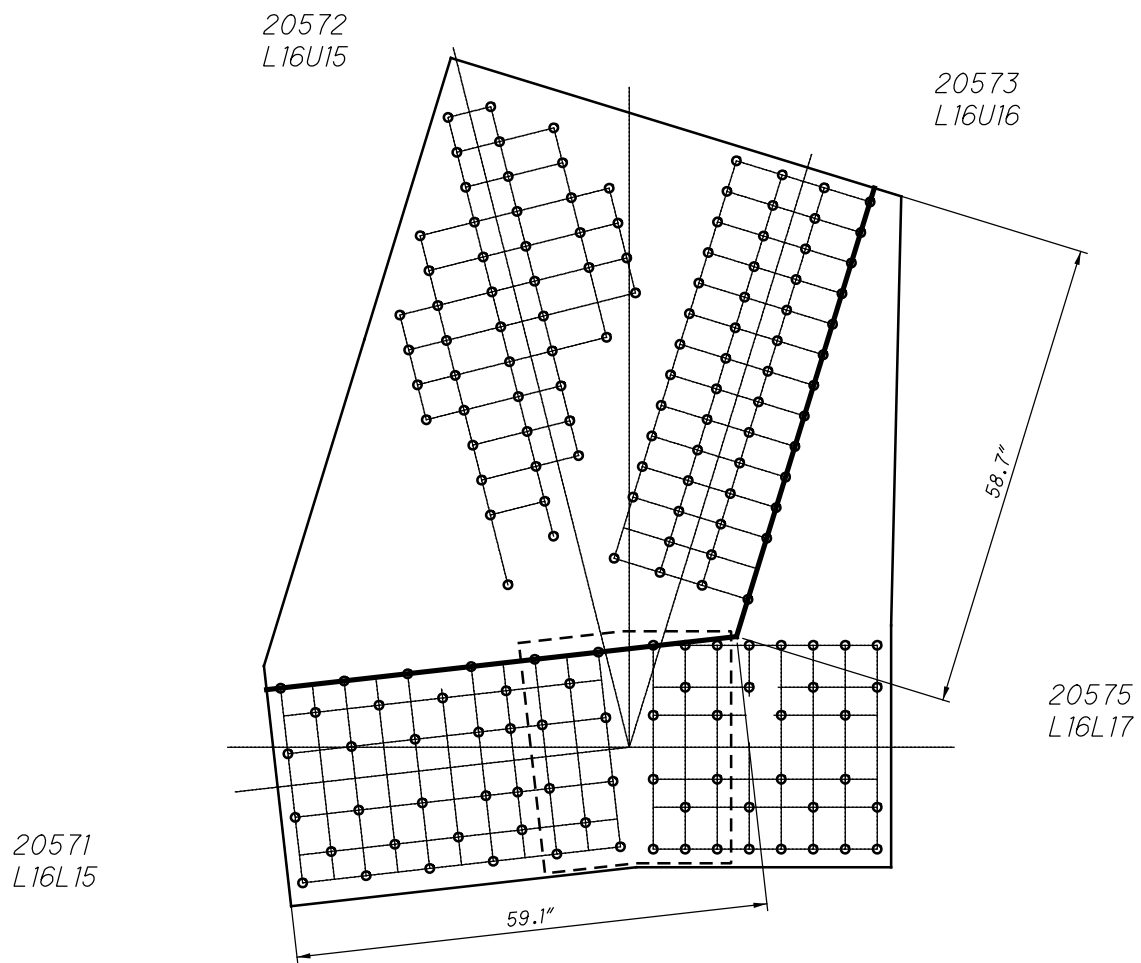
20572
L16U15

20573
L16U16

20575
L16L17

20571
L16L15

**L57 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



**L57 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

**L58 INSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

20582
L17U16

20583
L17U17

22058 AND 32058

$L_c = 6.1''$

$L_c = 4.5''$

20581
L17L16

20585
L17L1

**L58 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20582
L17U16

20583
L17U17

$L_c = 3.2''$

20581
L17L16

20585
L17L1

**L58 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

39 RIVETS
x 2 PLATES
=78 RIVETS

20582
L17U16

20583
L17U17

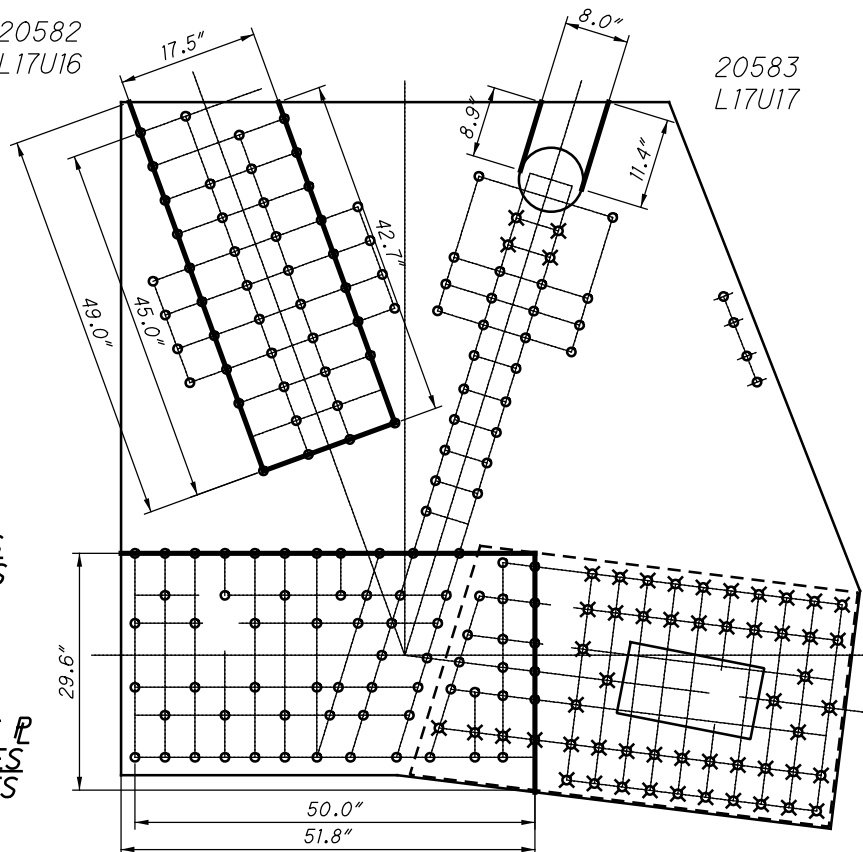
22058 AND 32058

71 RIVETS
x 2 PLATES
=142 RIVETS

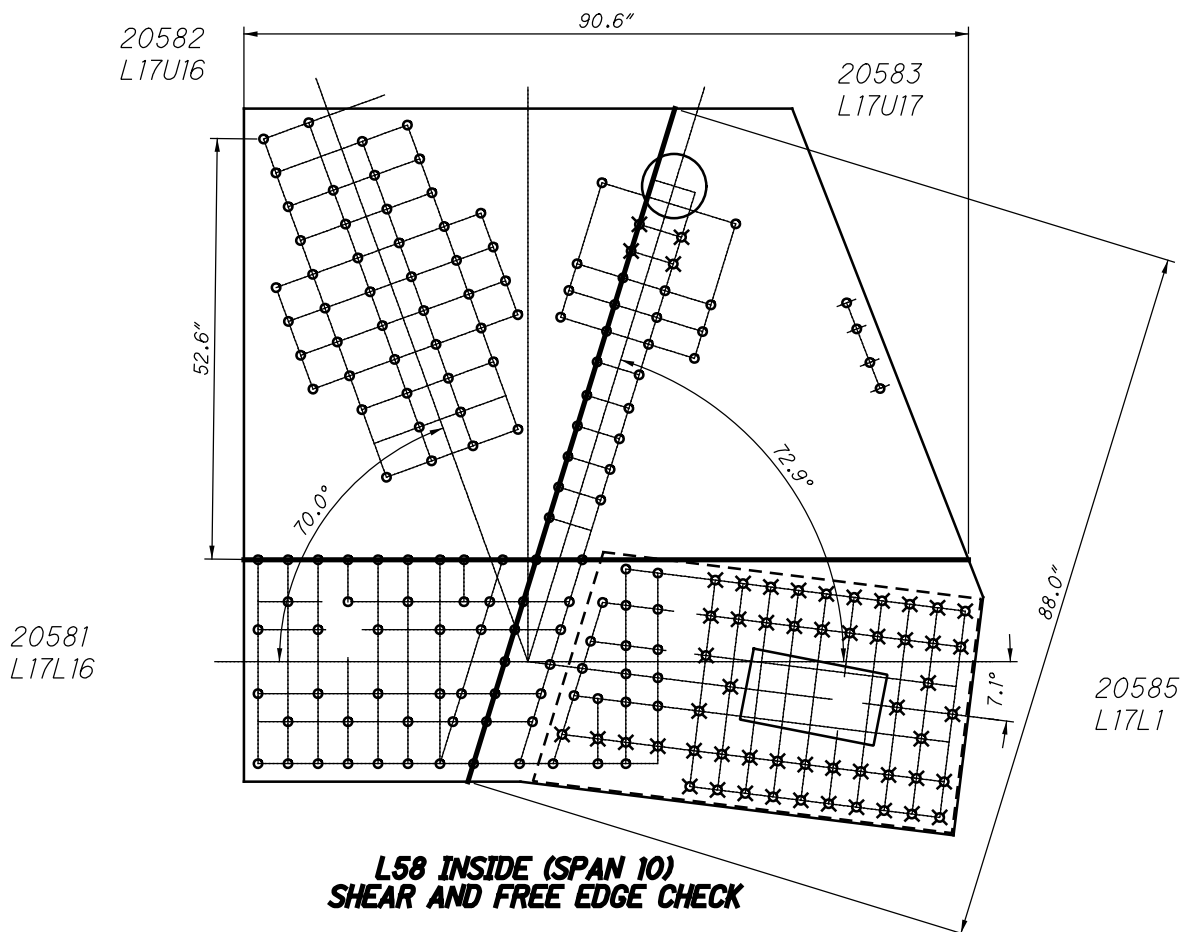
20581
L17L16

22 SPLICE P
x 2 PLATES
=44 RIVETS

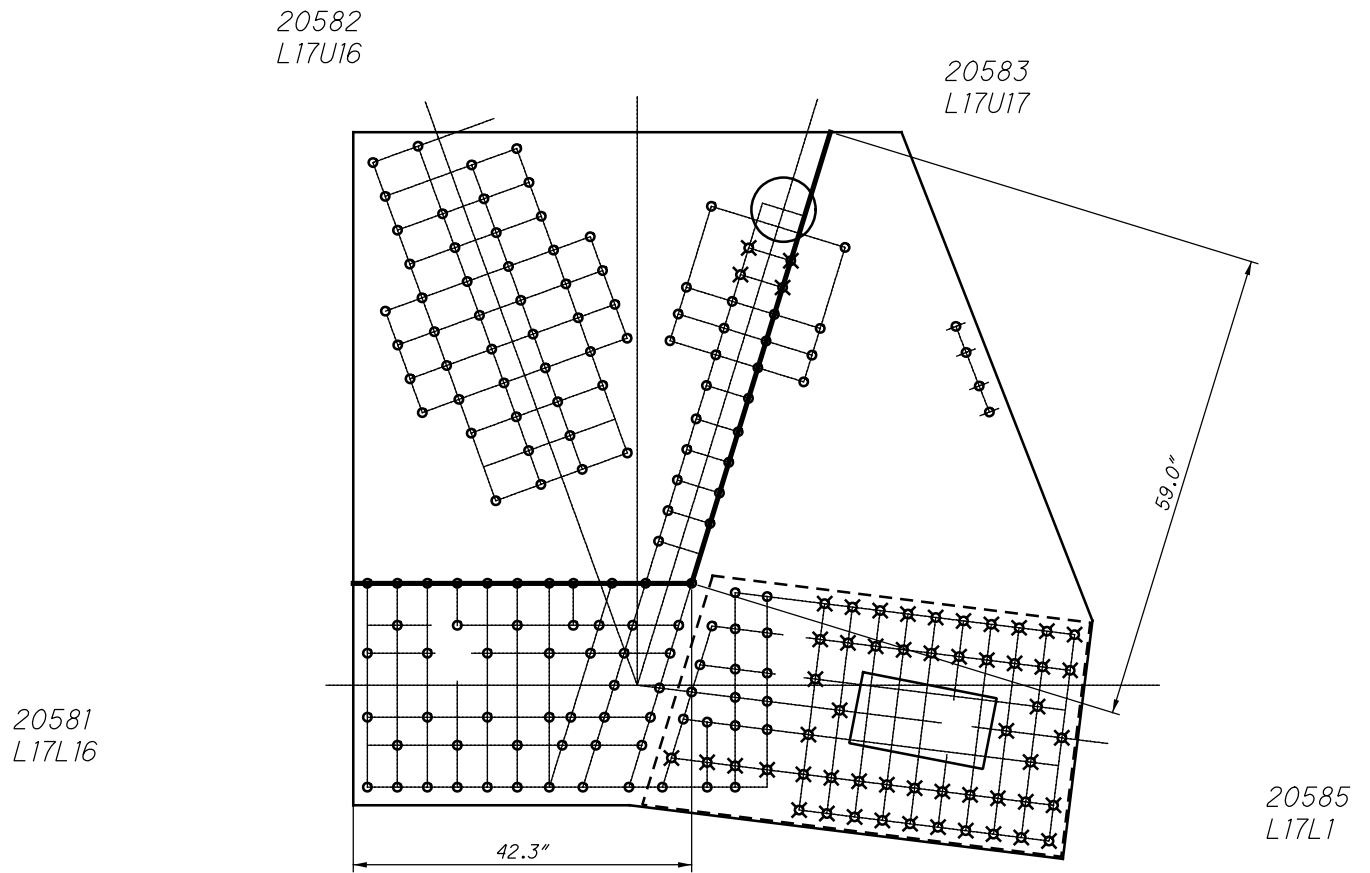
20585
L17L1



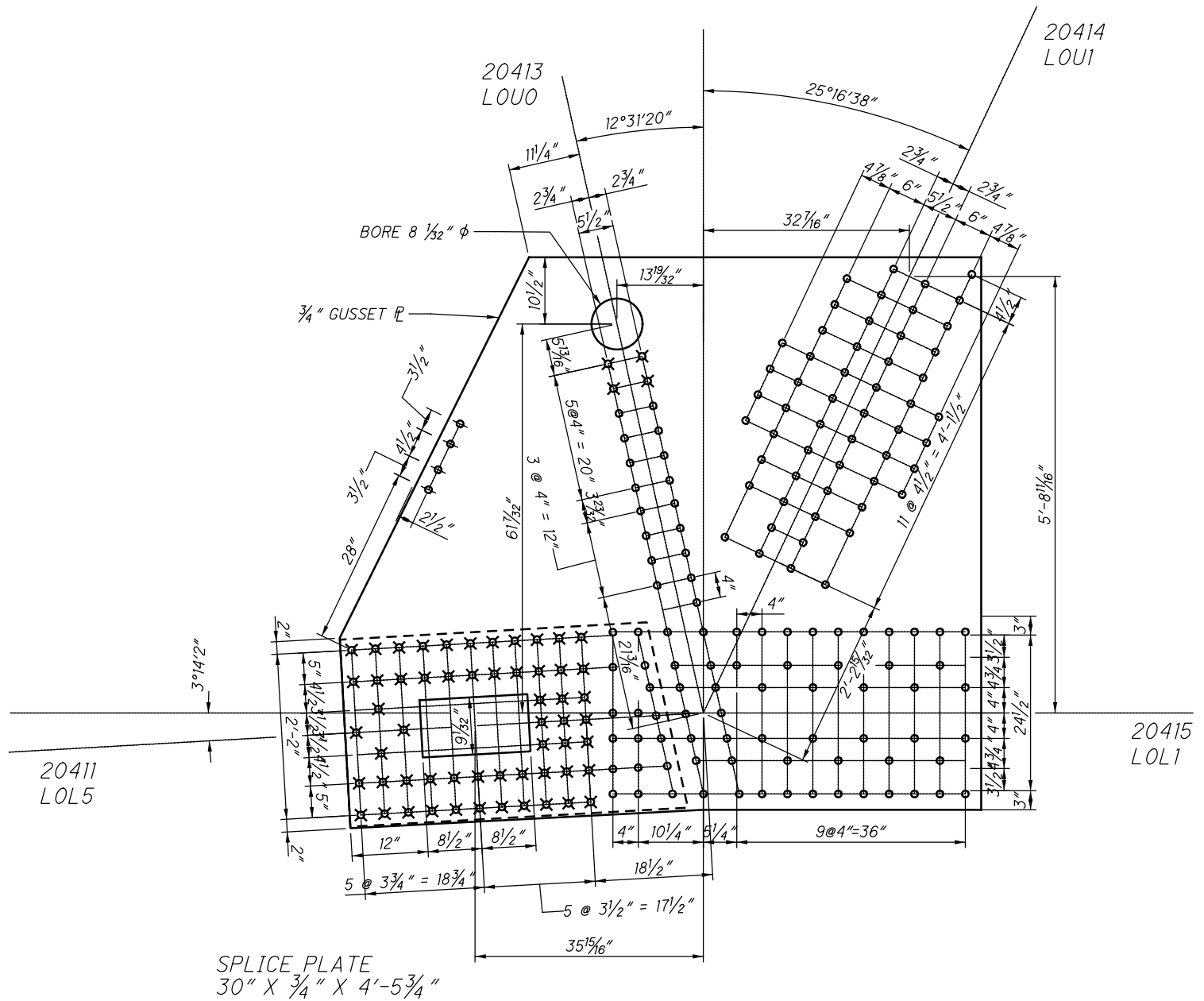
**L58 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



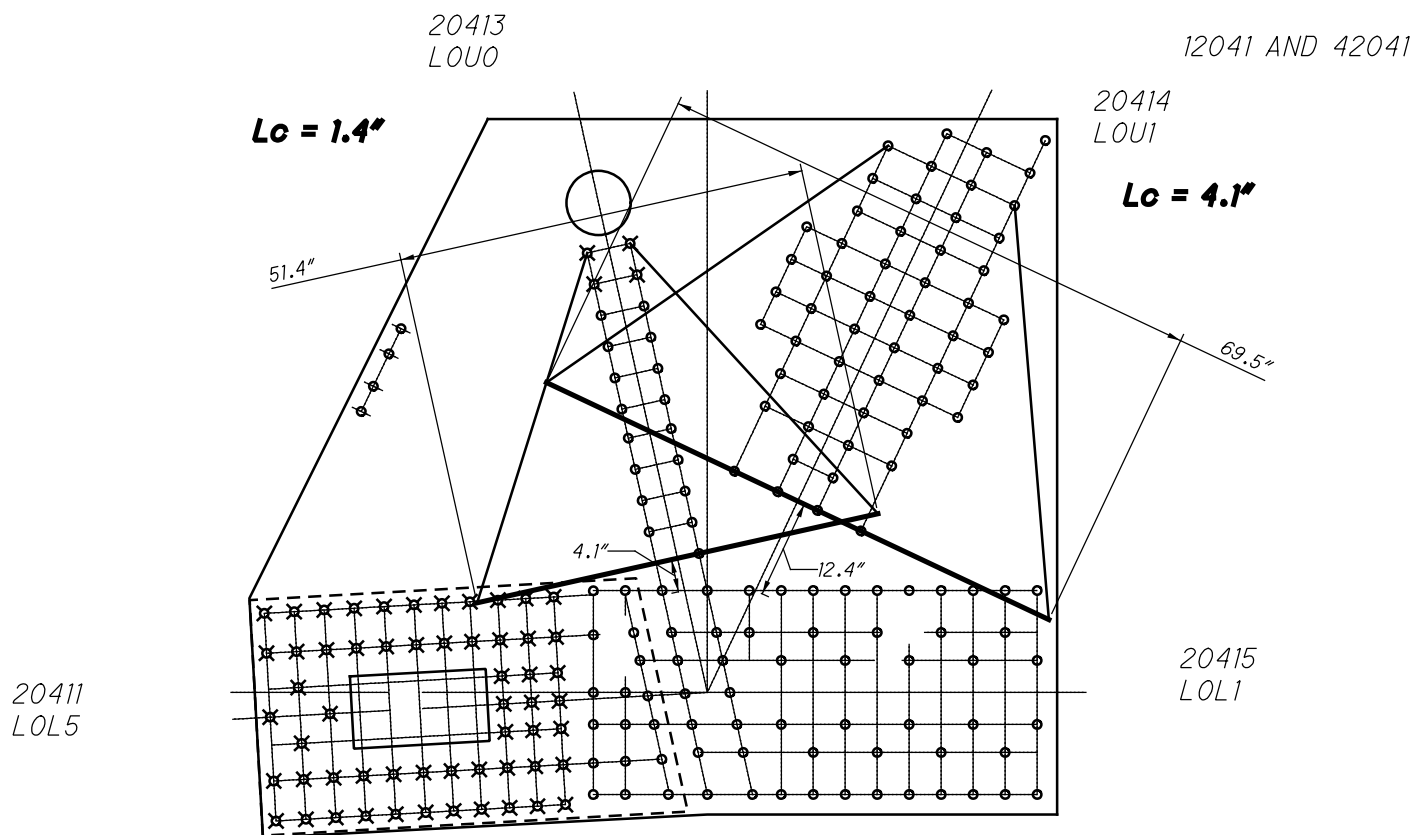
**L58 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



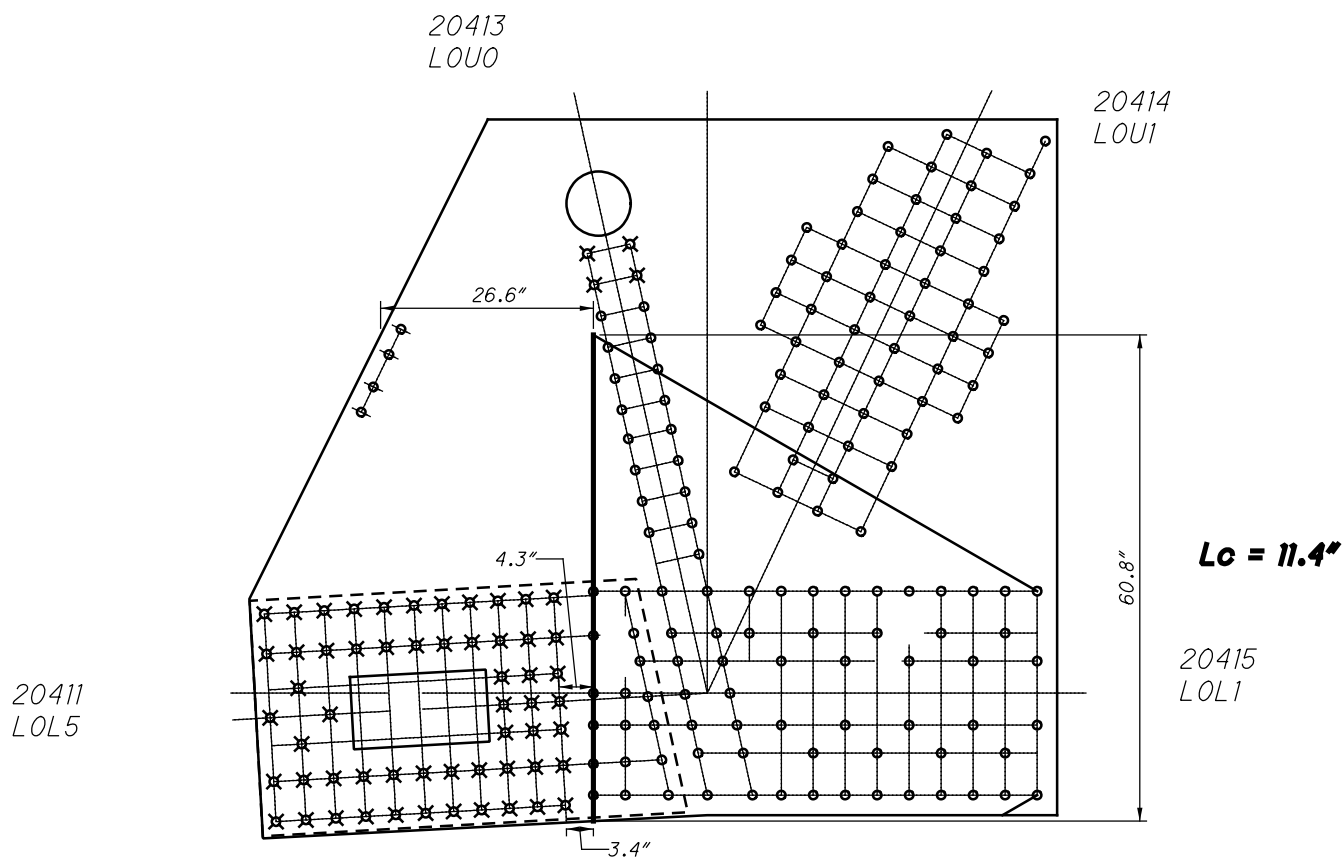
**L58 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



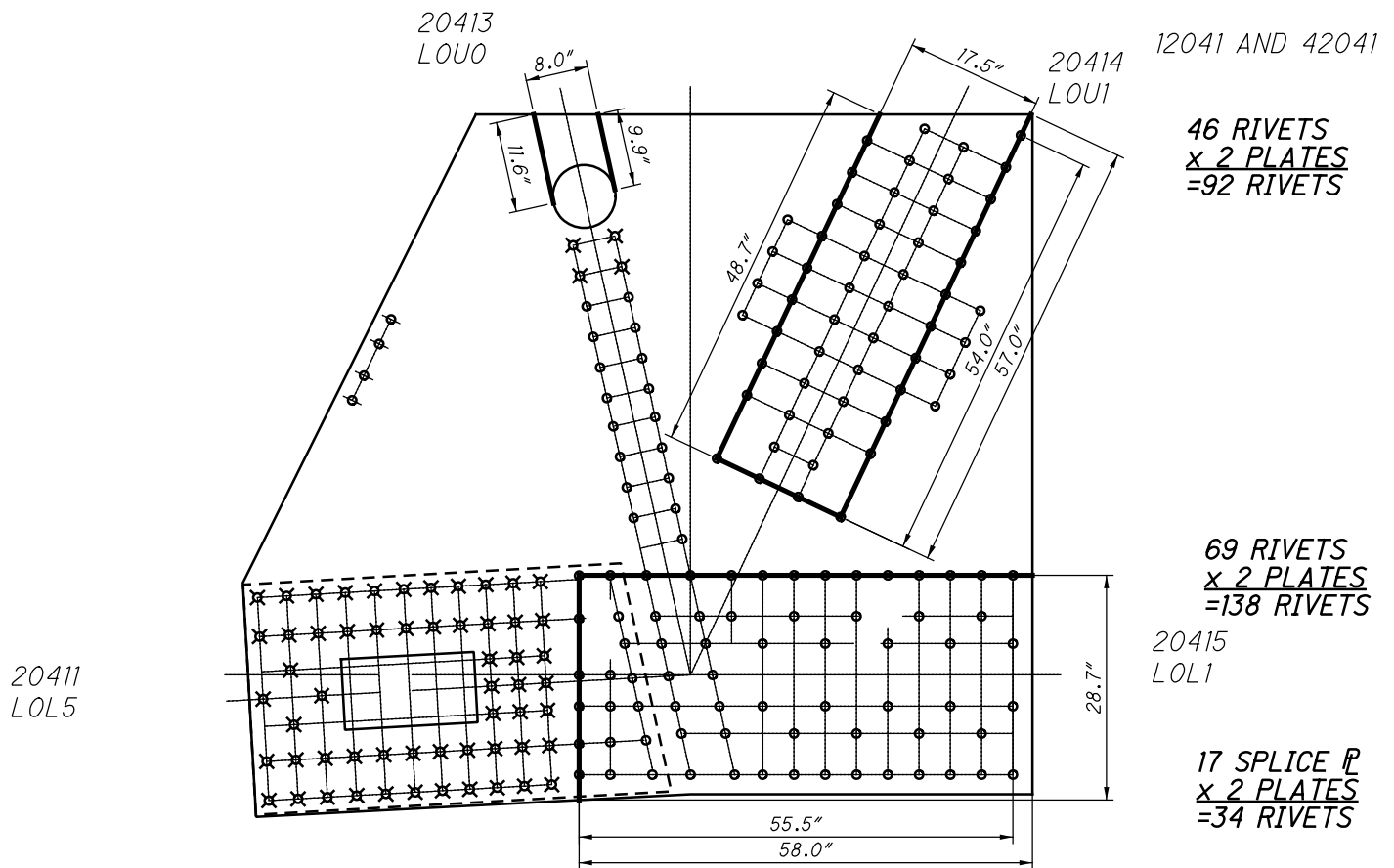
**L41 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



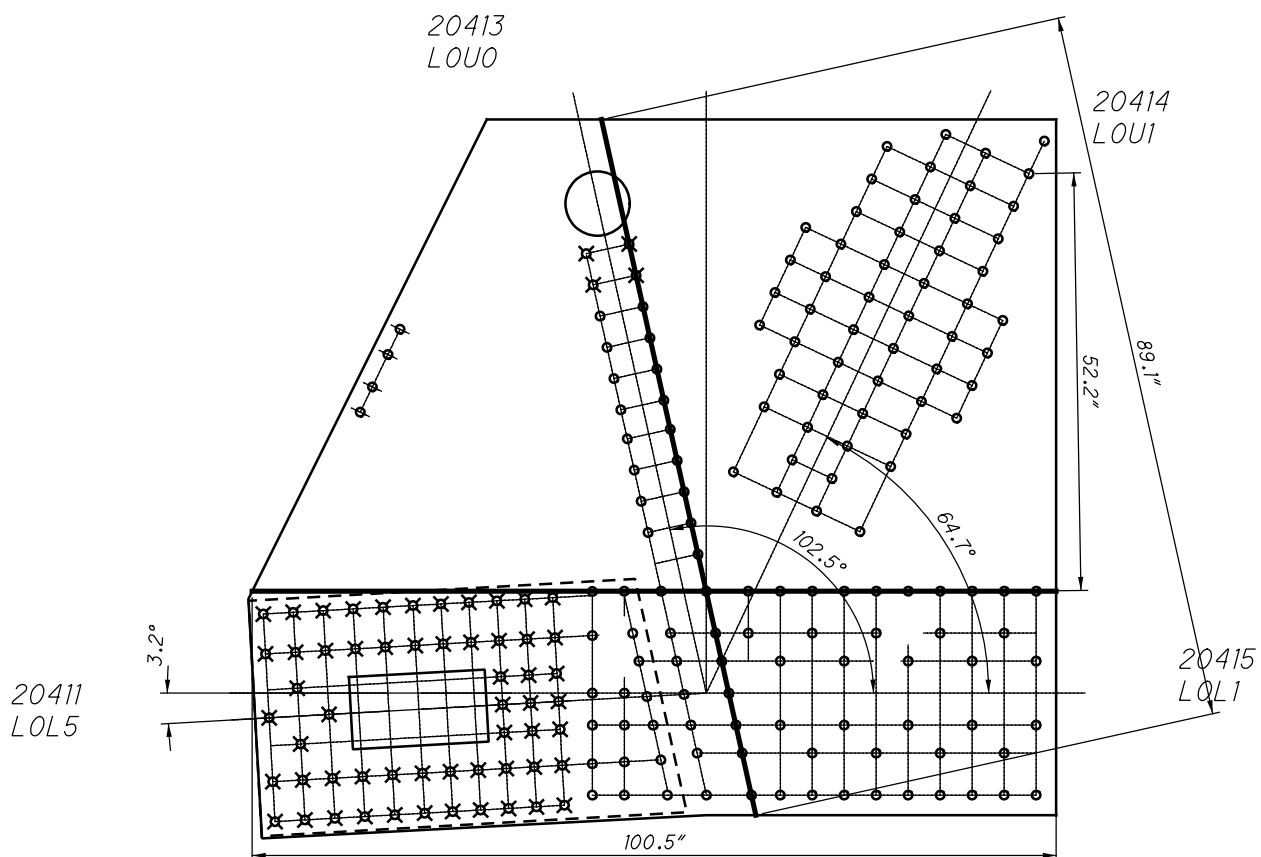
**L41 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



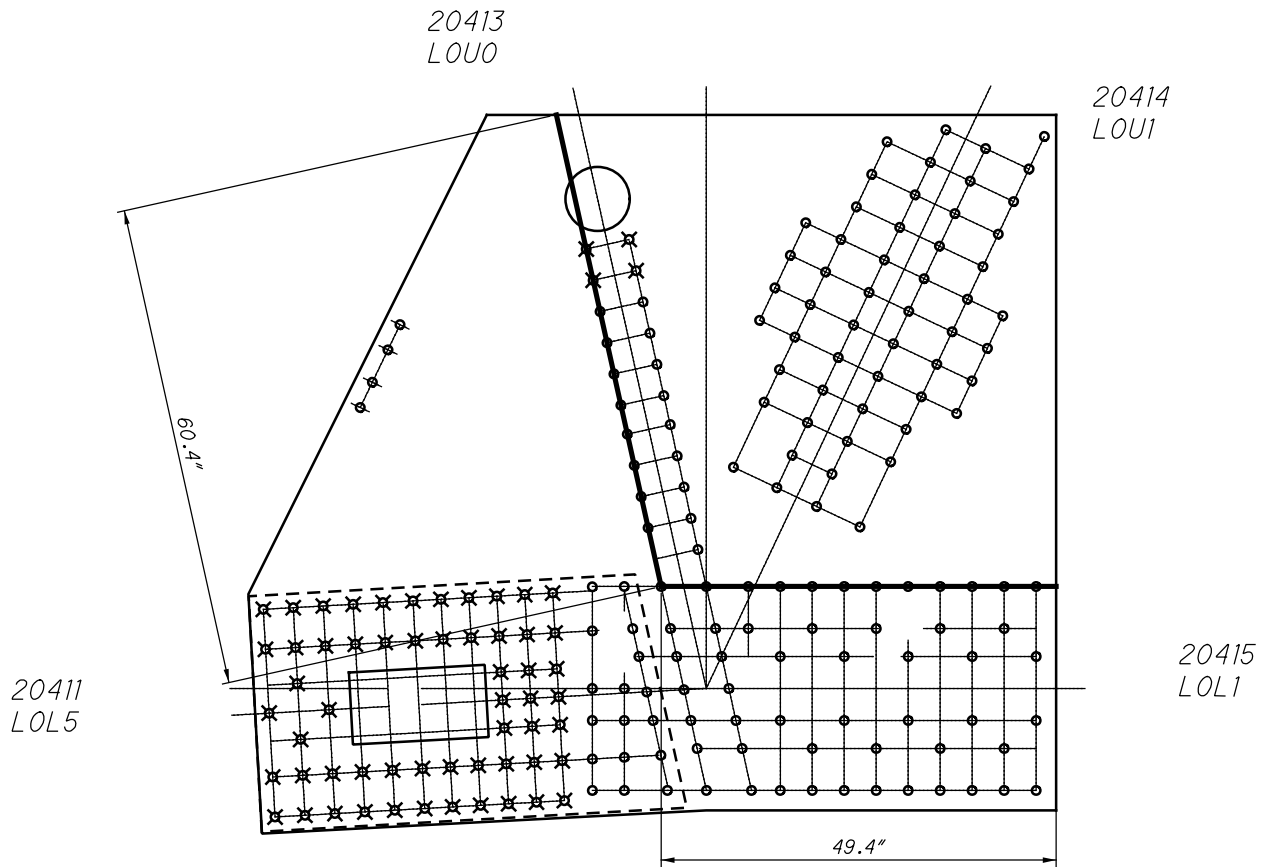
**L41 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



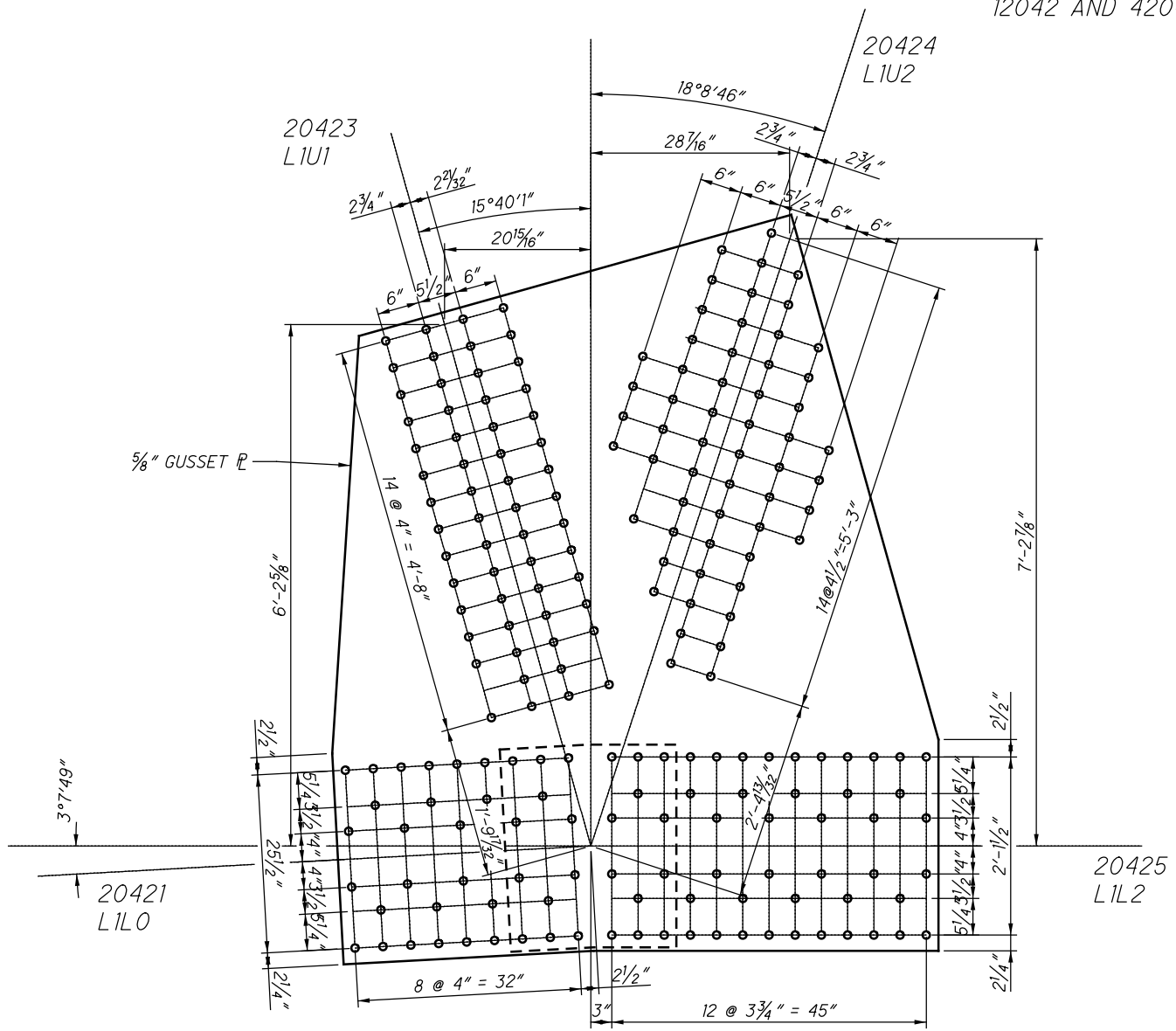
**L41 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L41 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

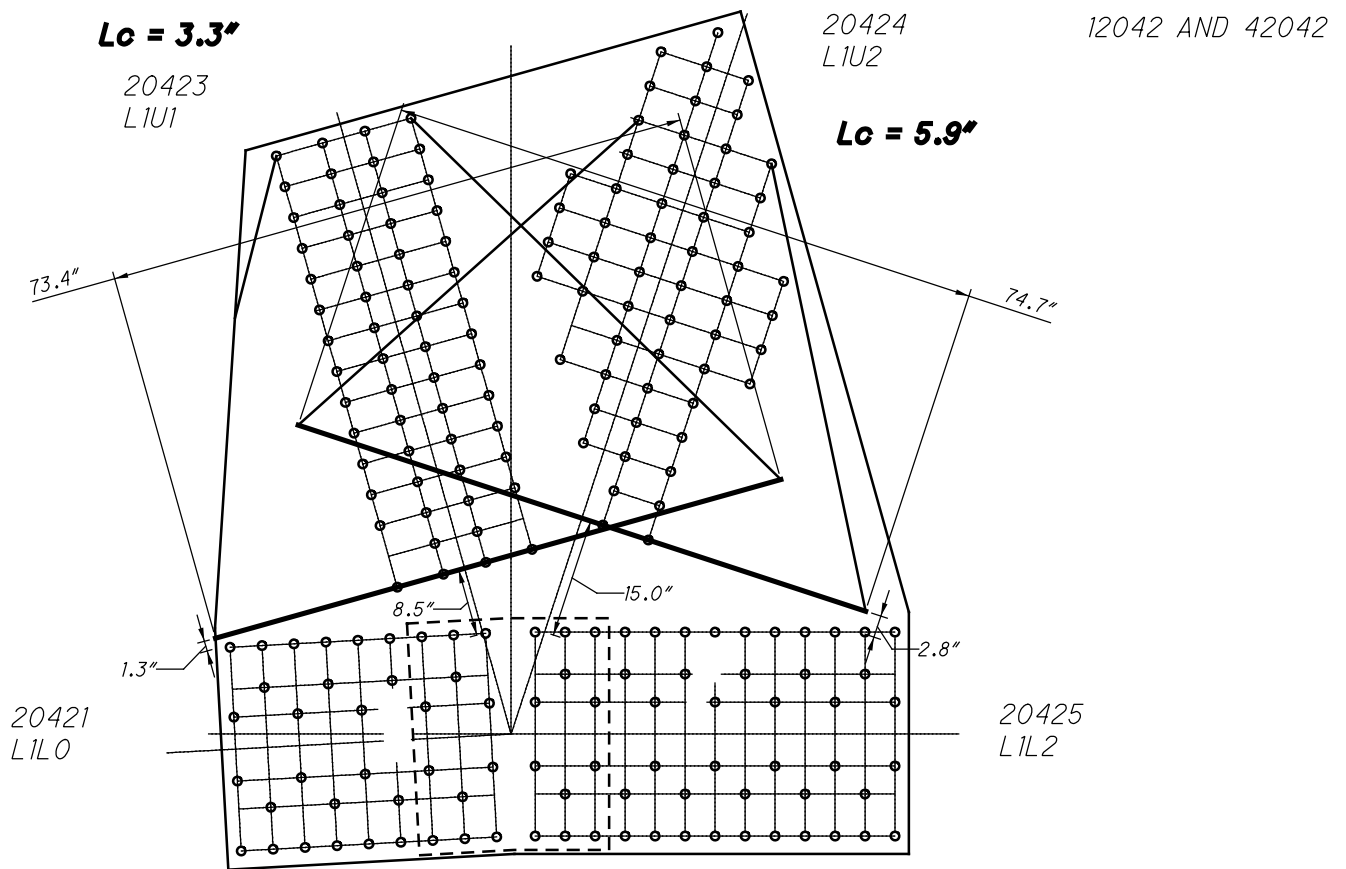


**L41 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**

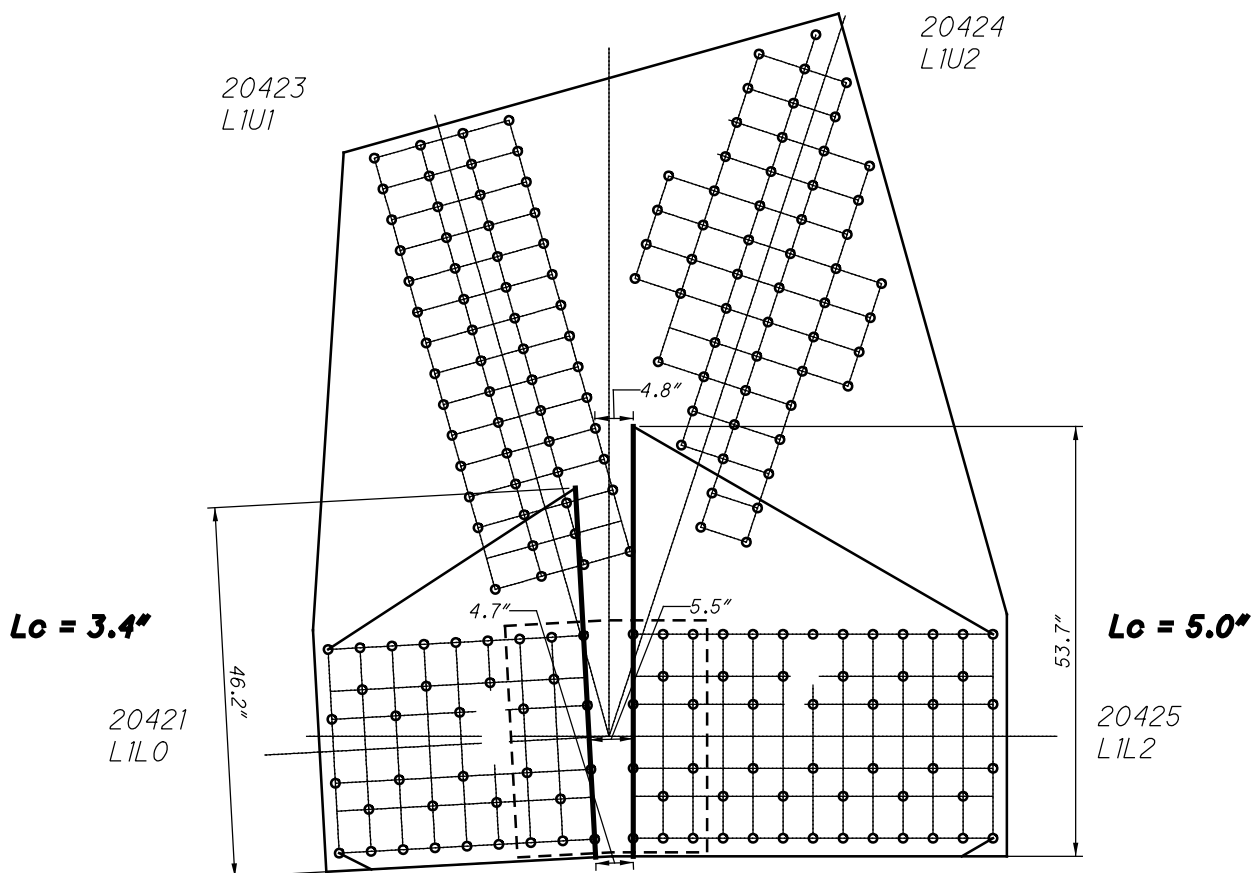


SPLICE PLATE
 $29" \times \frac{3}{8}" \times 2'-1\frac{1}{4}"$

**L42 OUTSIDE (SPAN 10)
 (NEAR AND FAR SIDE)**



**L42 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



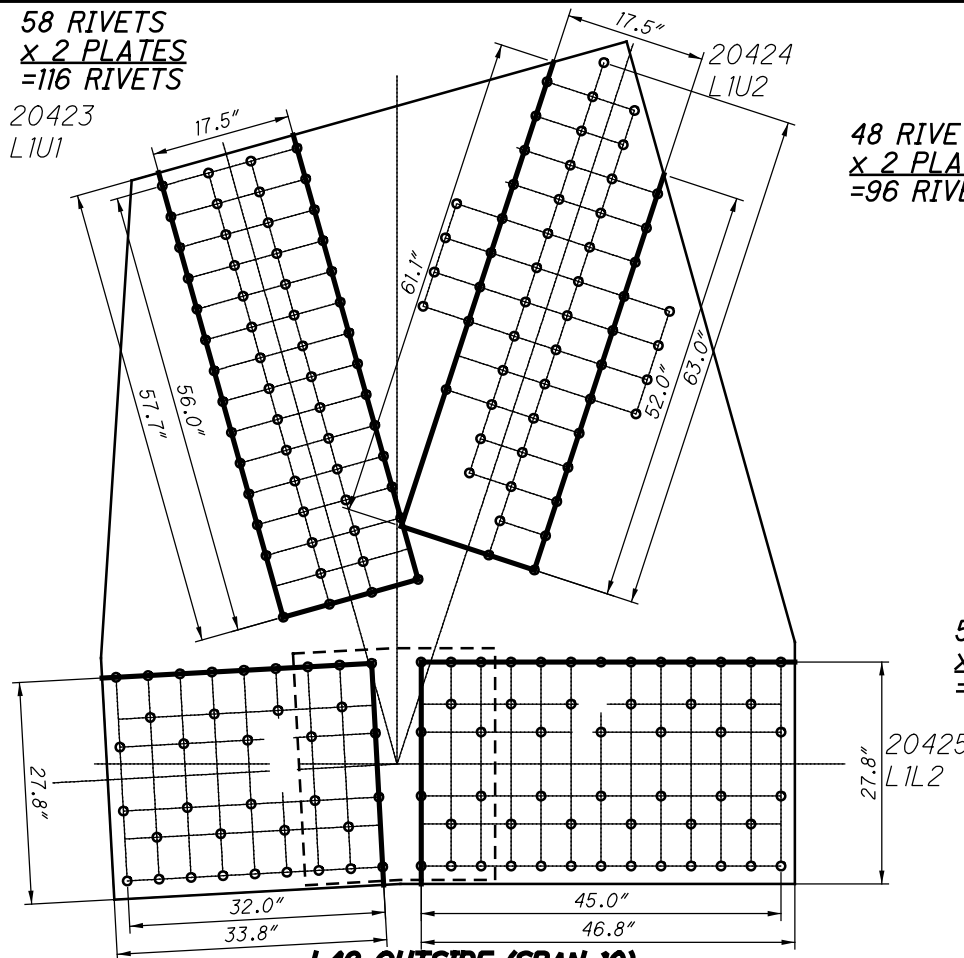
**L42 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

58 RIVETS
x 2 PLATES
=116 RIVETS

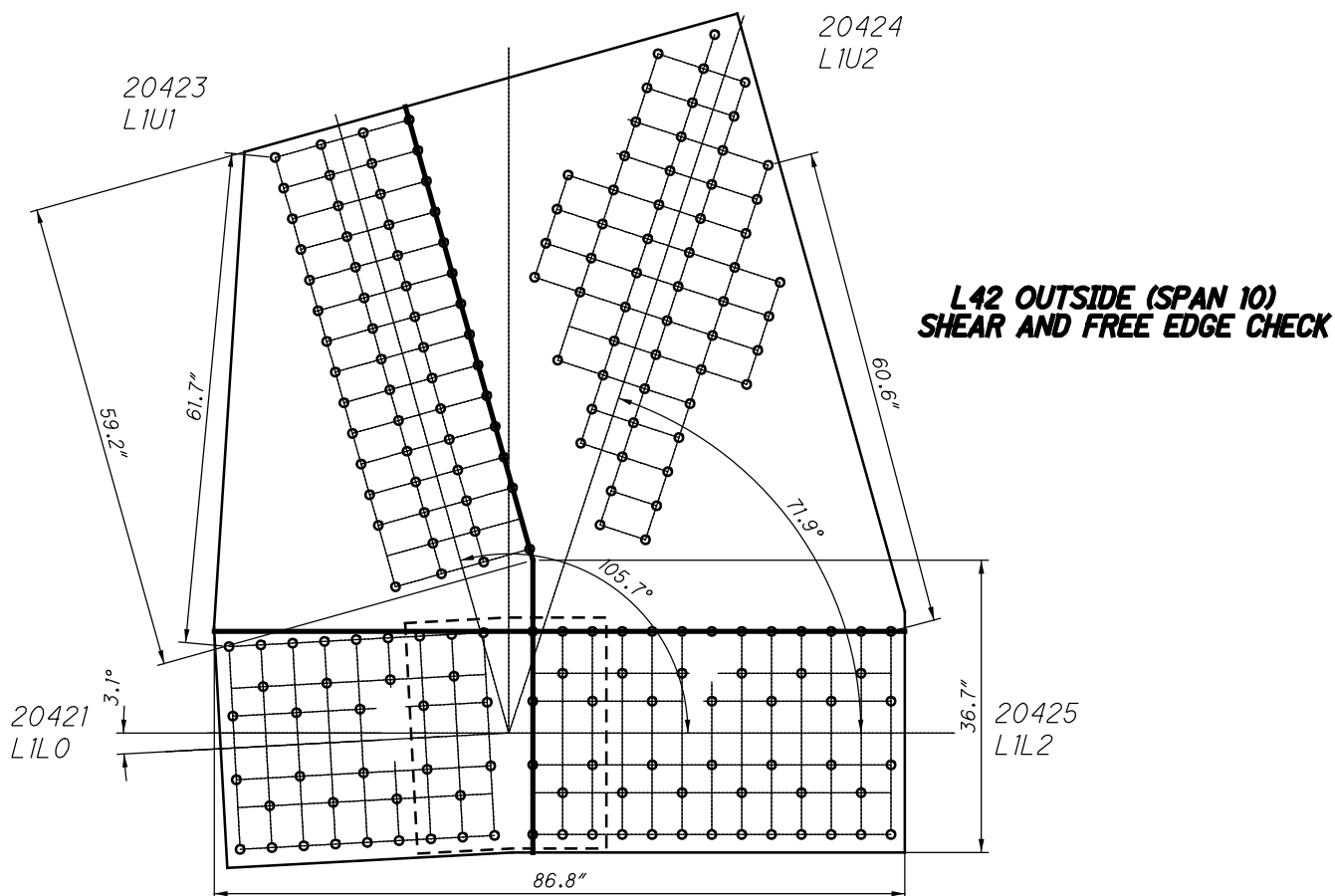
20423
L1U1

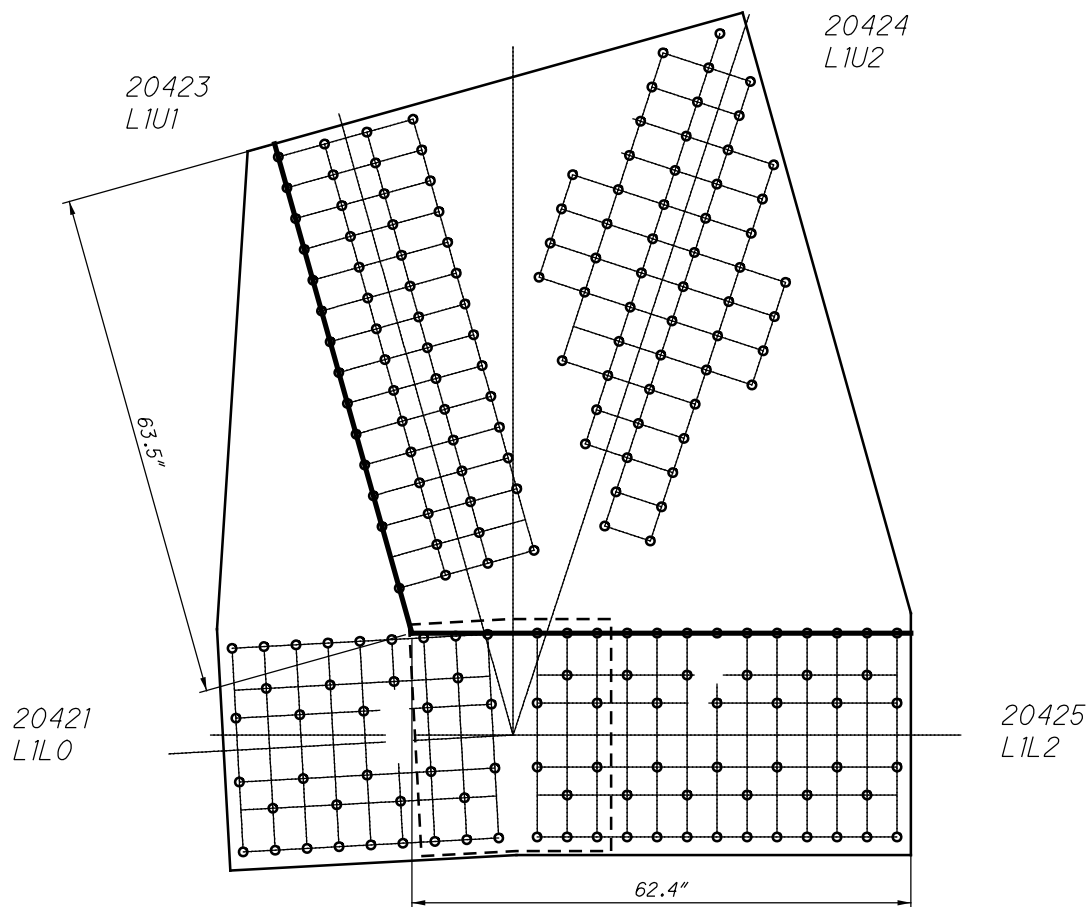
12042 AND 42042

48 RIVETS
x 2 PLATES
=96 RIVETS

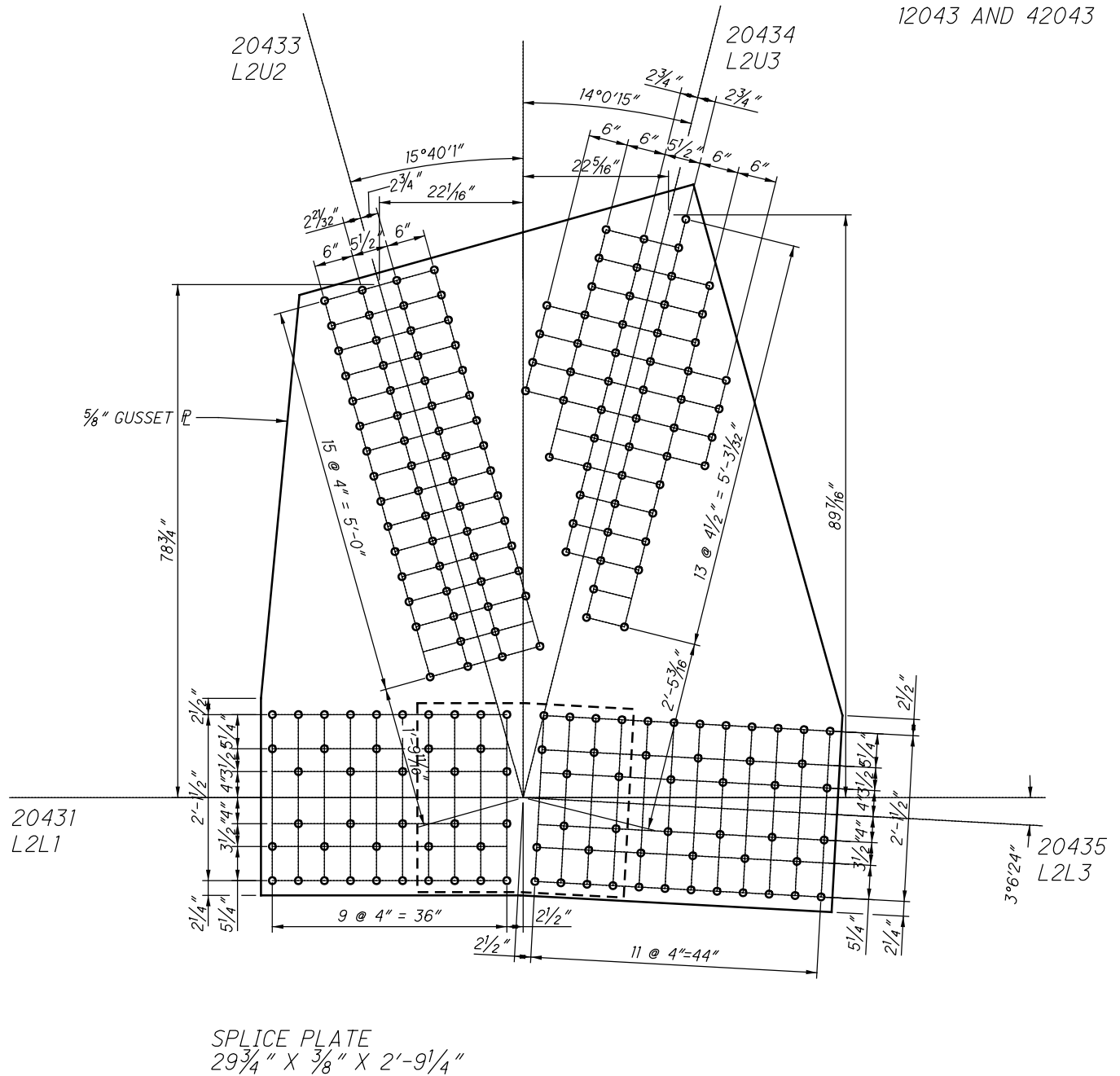


**L42 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

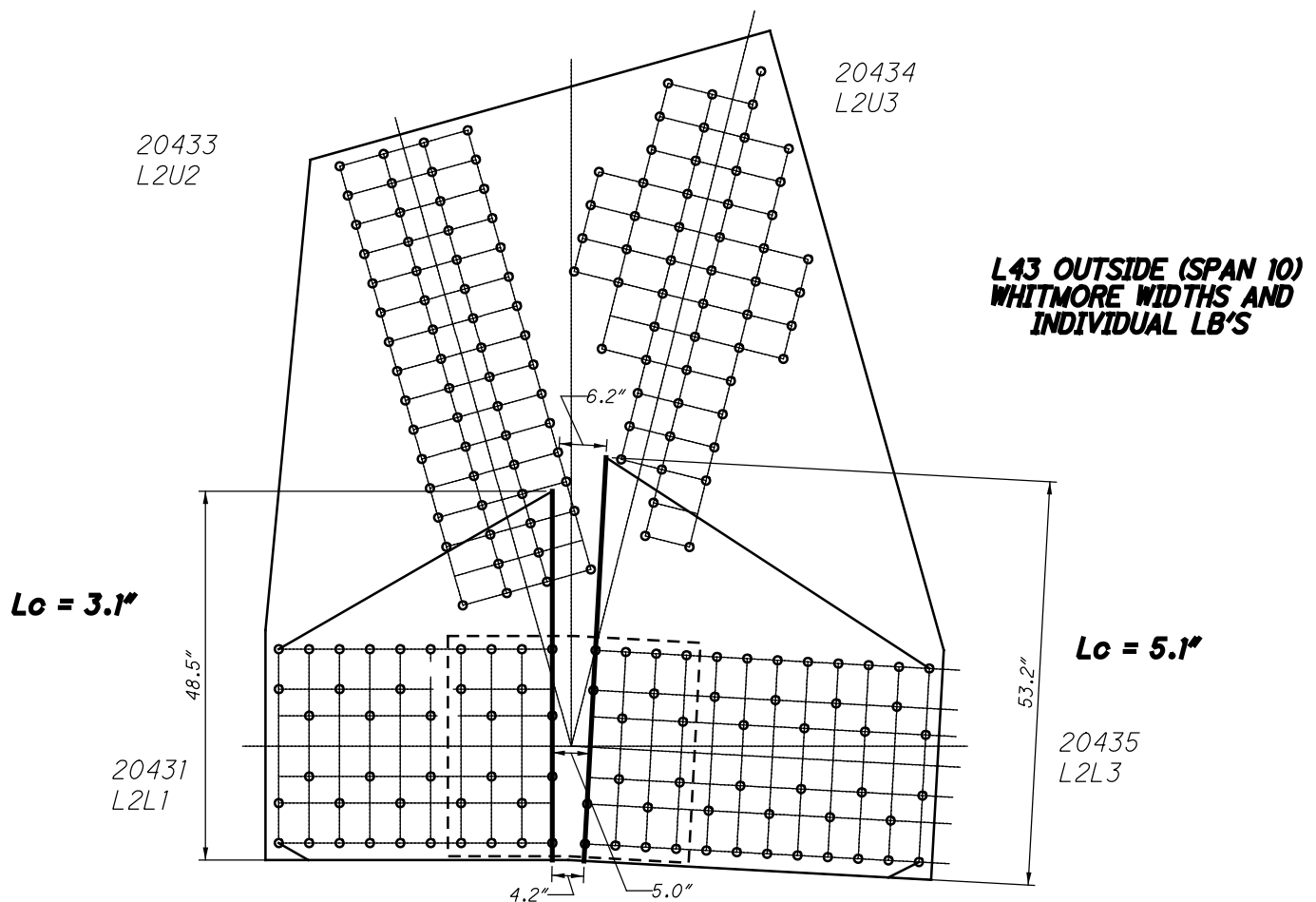
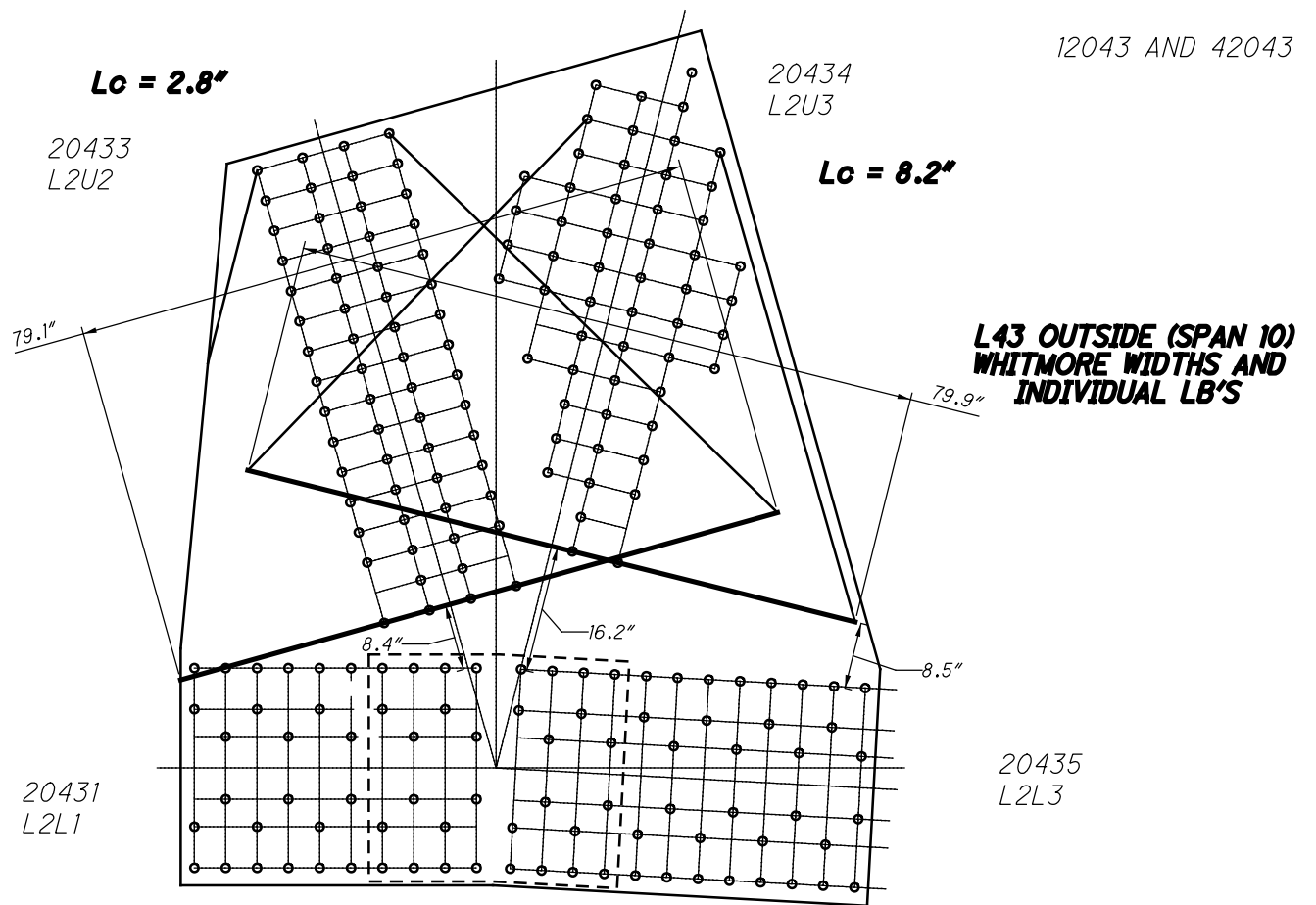




**L42 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L43 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



62 RIVETS
x 2 PLATES
 =124 RIVETS

20433
 L2U2

12043 AND 42043

44 RIVETS
x 2 PLATES
 =88 RIVETS

**L43 OUTSIDE (SPAN 10)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

40 RIVETS
x 2 PLATES
 =80 RIVETS

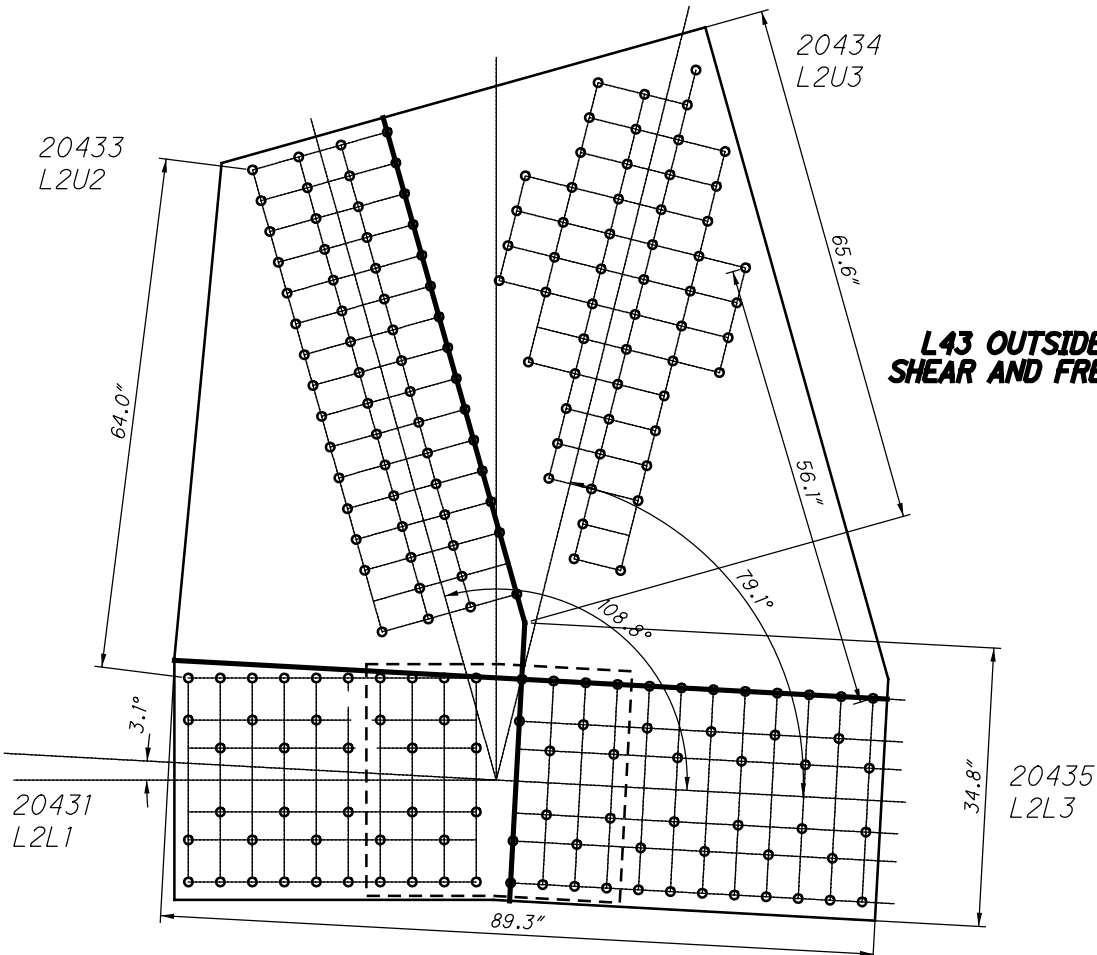
20431
 L2L1

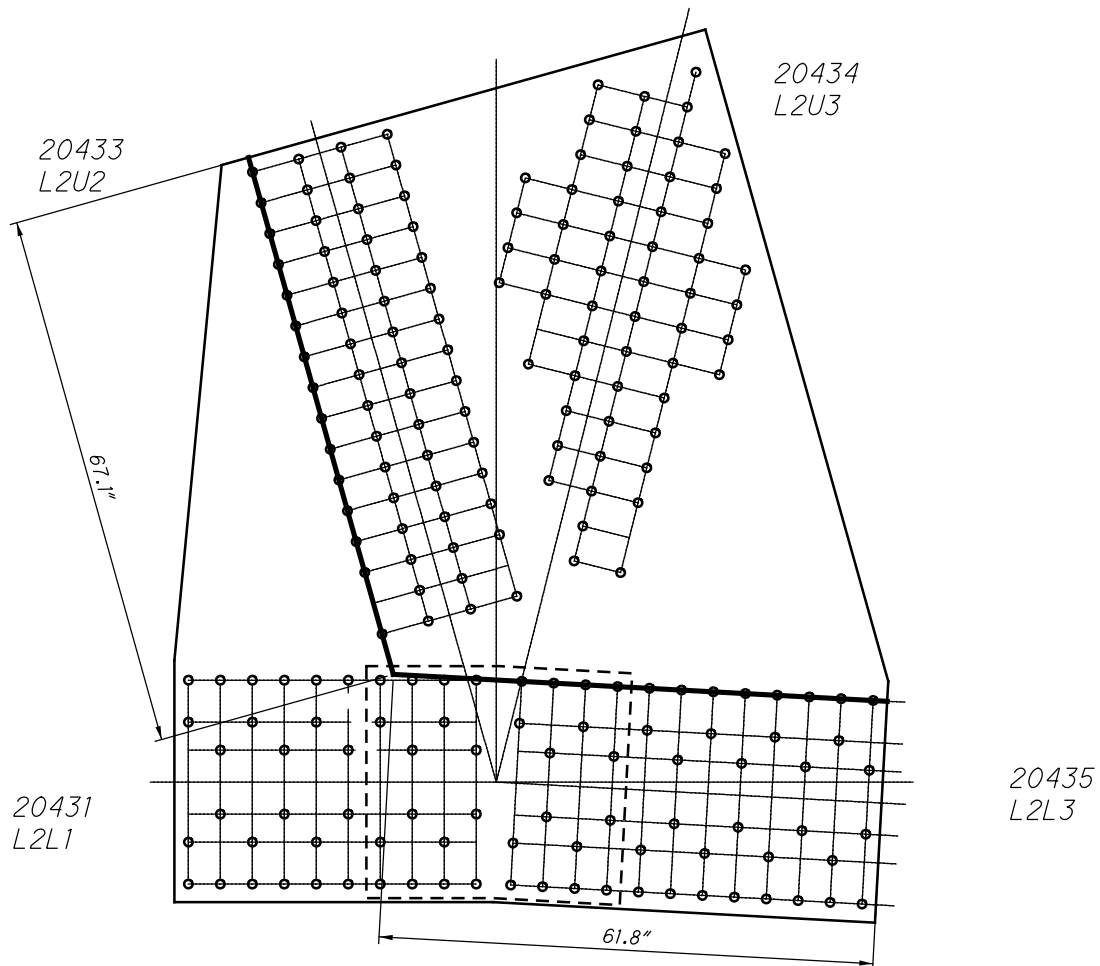
48 RIVETS
x 2 PLATES
 =96 RIVETS

20435
 L2L3

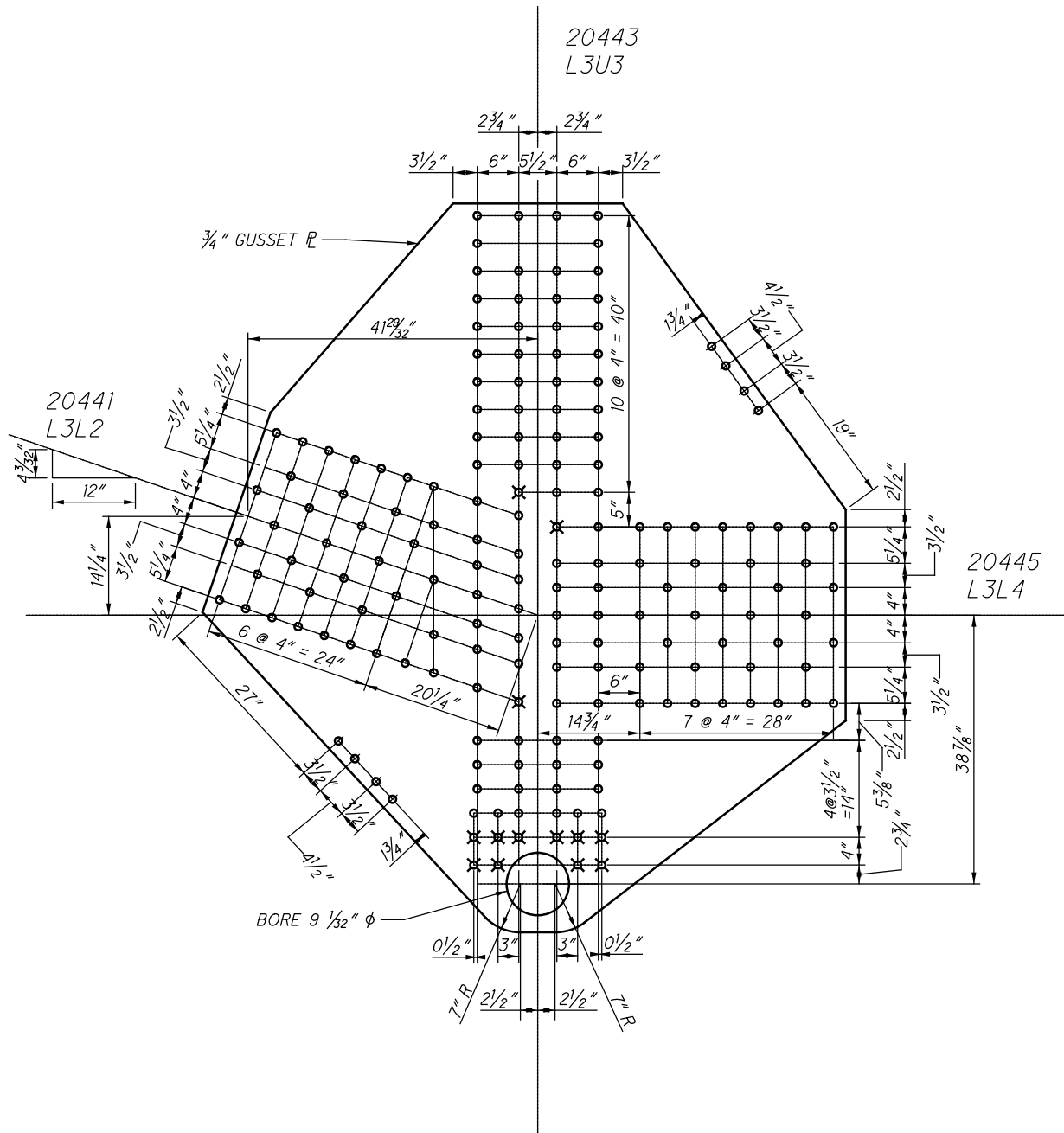
16 SPLICE P
x 2 PLATES
 =32 RIVETS

16 SPLICE P
x 2 PLATES
 =32 RIVETS





**L43 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L44 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

20443
L3U3

12044 AND 42044

20441
L3L2

20445
L3L4

**L44 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

80.8"

20443
L3U3

$L_c = 3.8"$

20441
L3L2

20445
L3L4

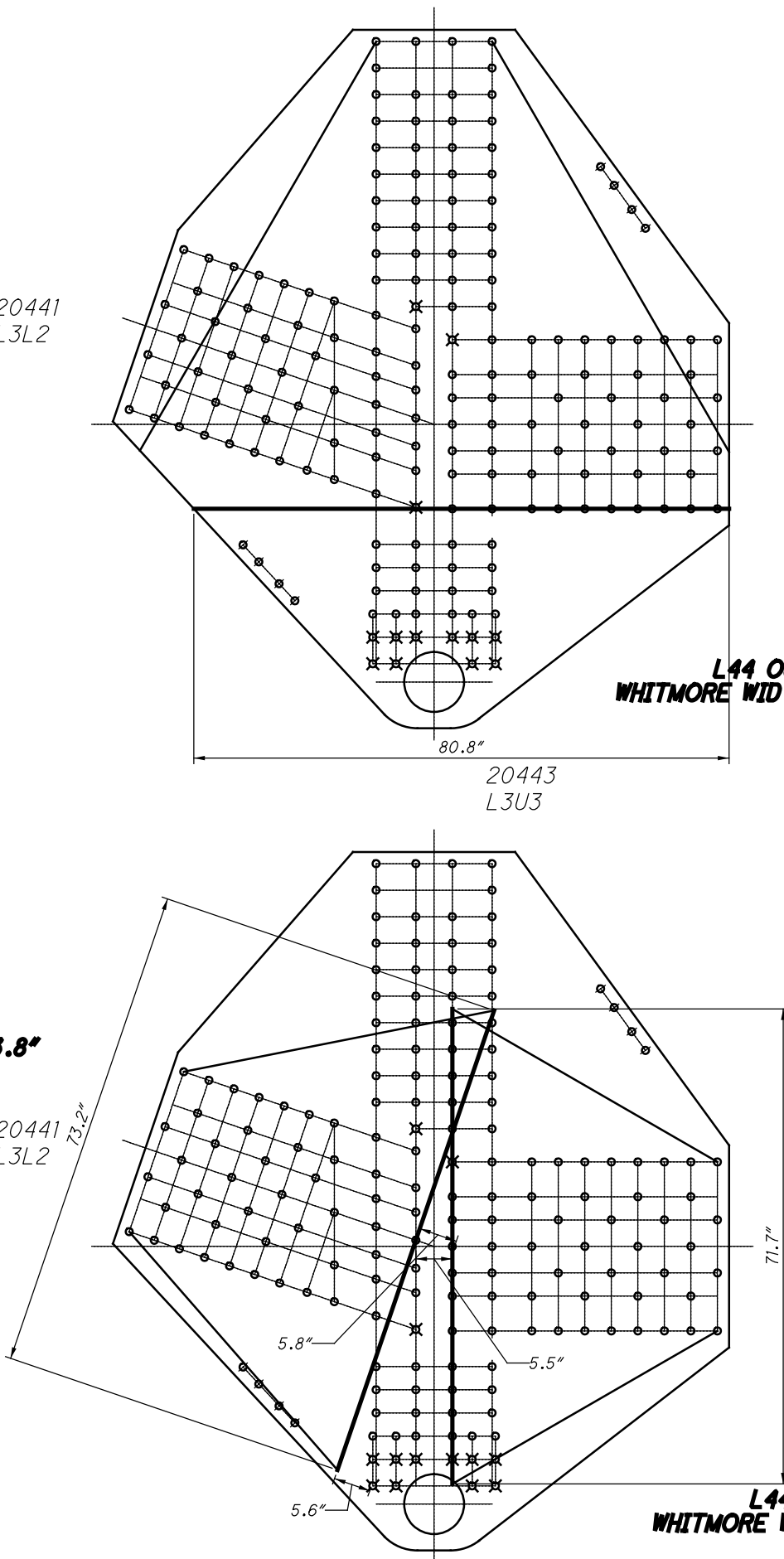
$L_c = 1.8"$

5.8"

5.5"

5.6"

**L44 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

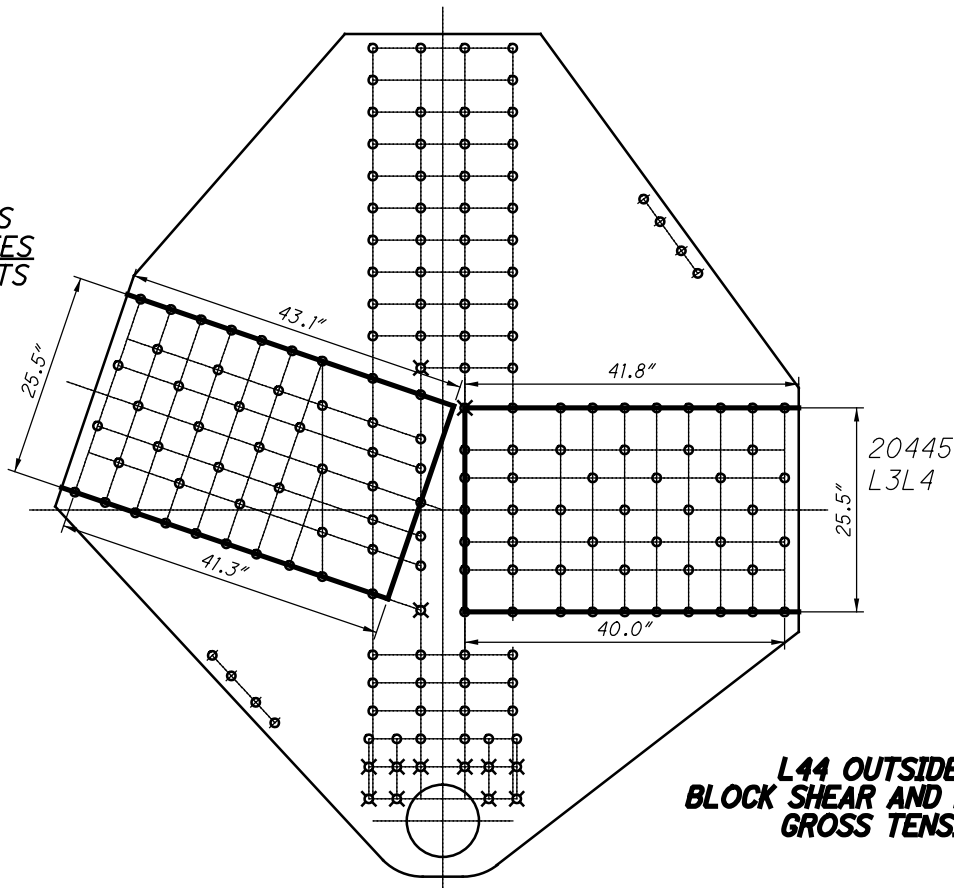


20443
L3U3

12044 AND 42044

47 RIVETS
x 2 PLATES
=94 RIVETS

20441
L3L2

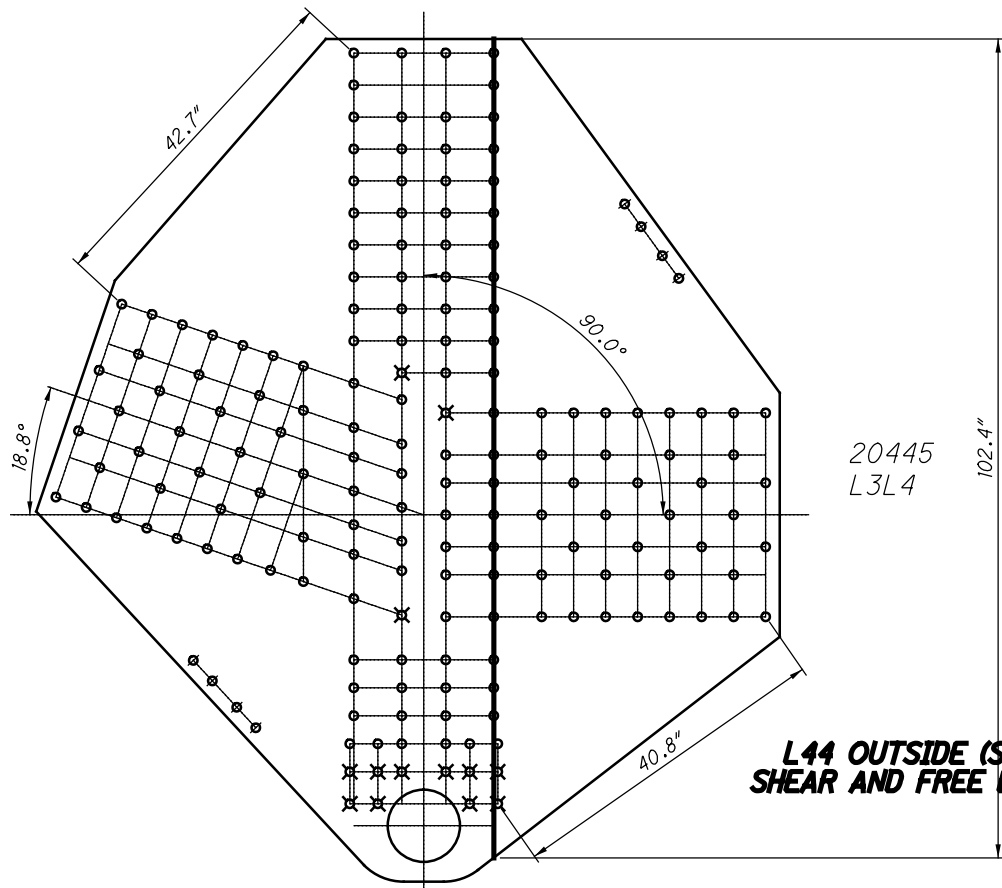


50 RIVETS
x 2 PLATES
=100 RIVETS

**L44 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

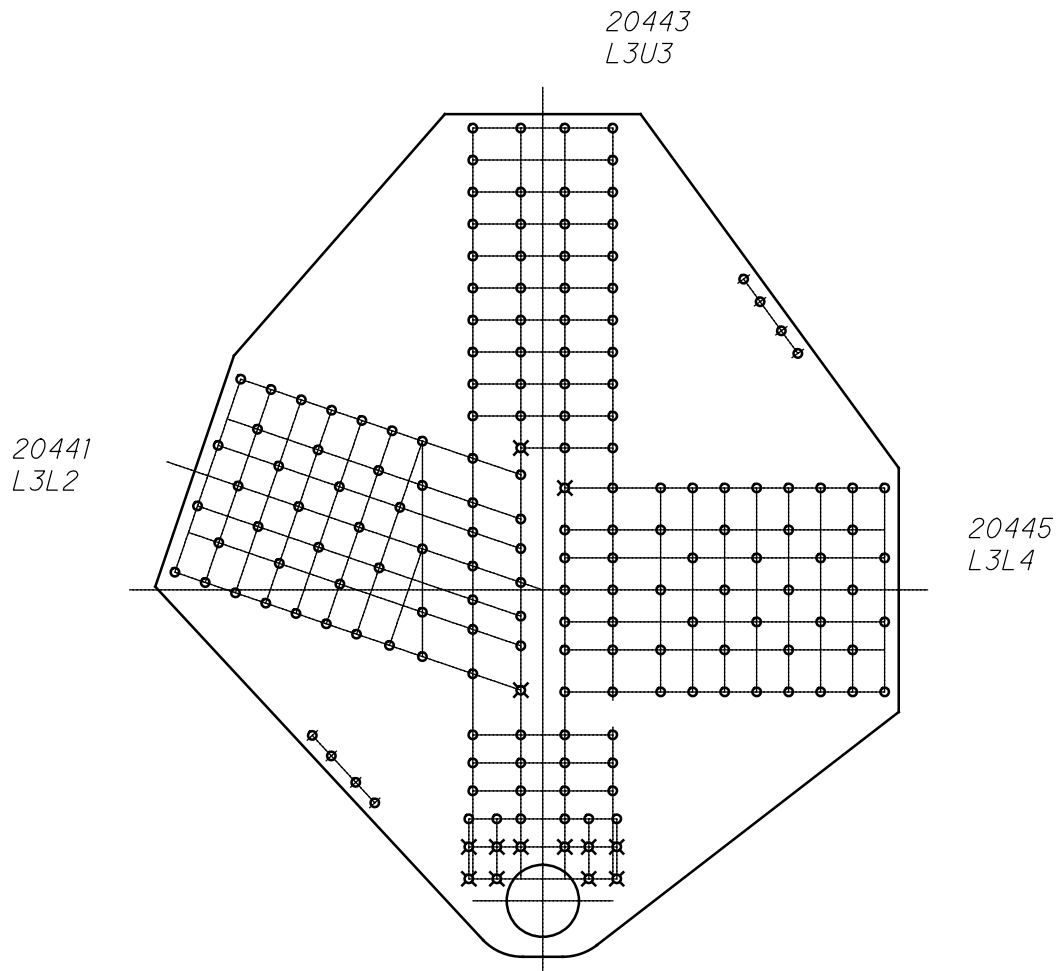
20443
L3U3

20441
L3L2

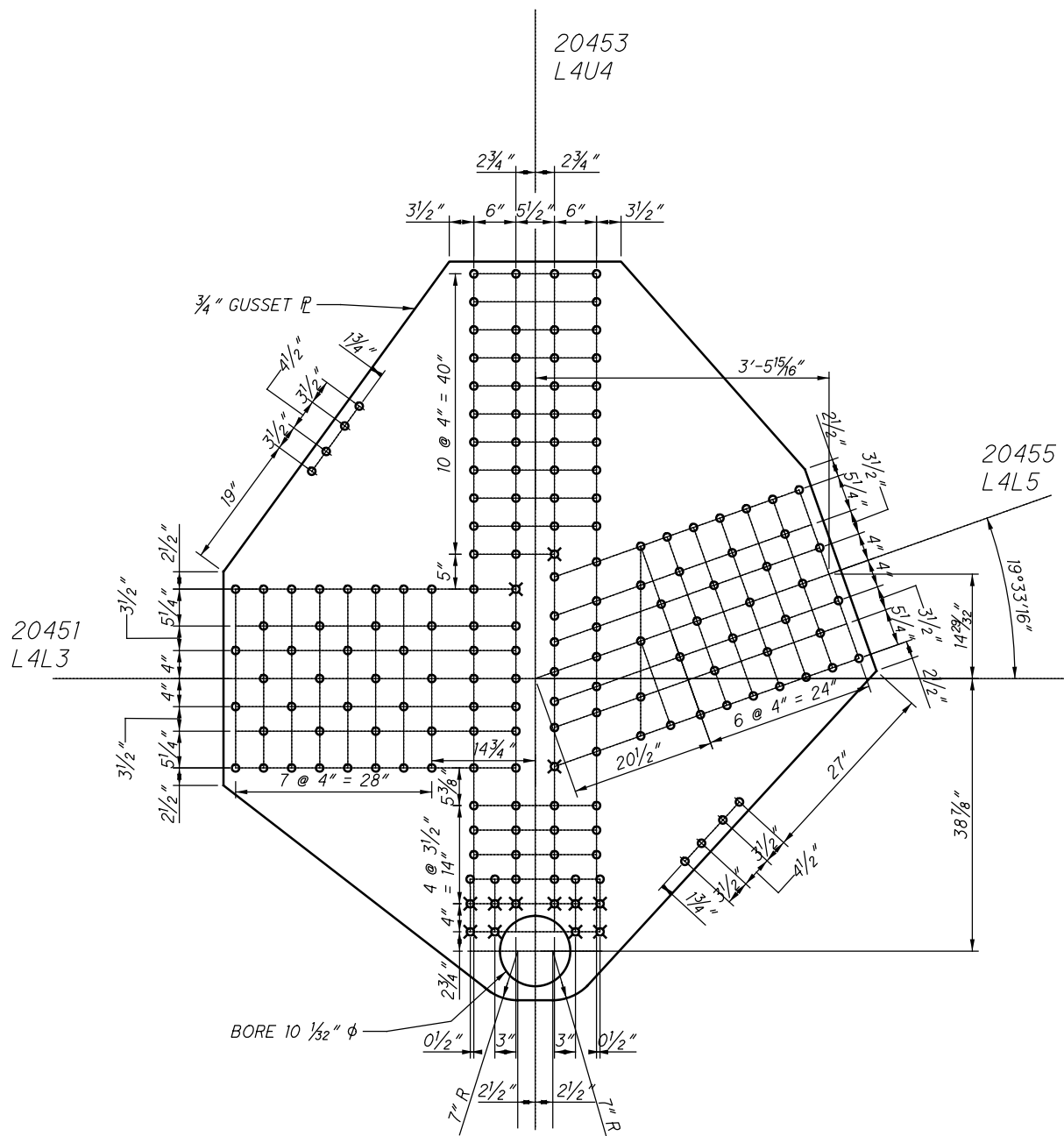


20445
L3L4

**L44 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



**L44 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L45 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

20453
L4U4

12045 AND 42045

20451
L4L3

20455
L4L5

**L45 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

80.4"

20453
L4U4

20455
L4L5

20451
L4L3

Lc = 4.0"

Lc = 1.8"

71.7"

5.5"

5.9"

13.5"

**L45 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

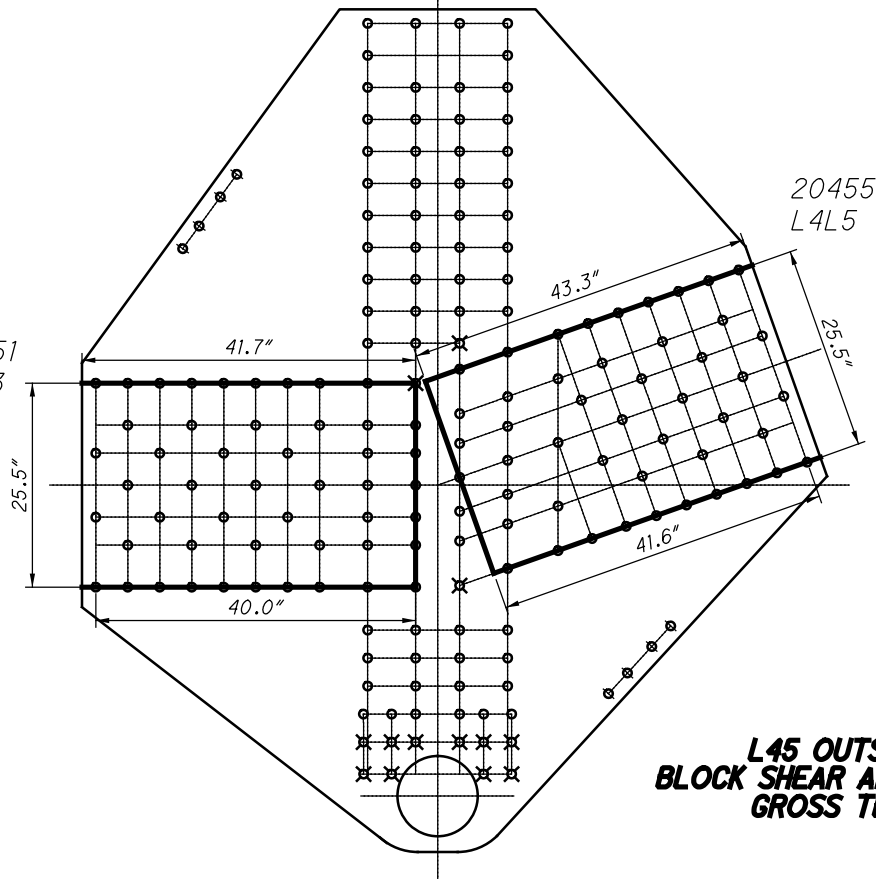
6.2"

20453
L4U4

12045 AND 42045

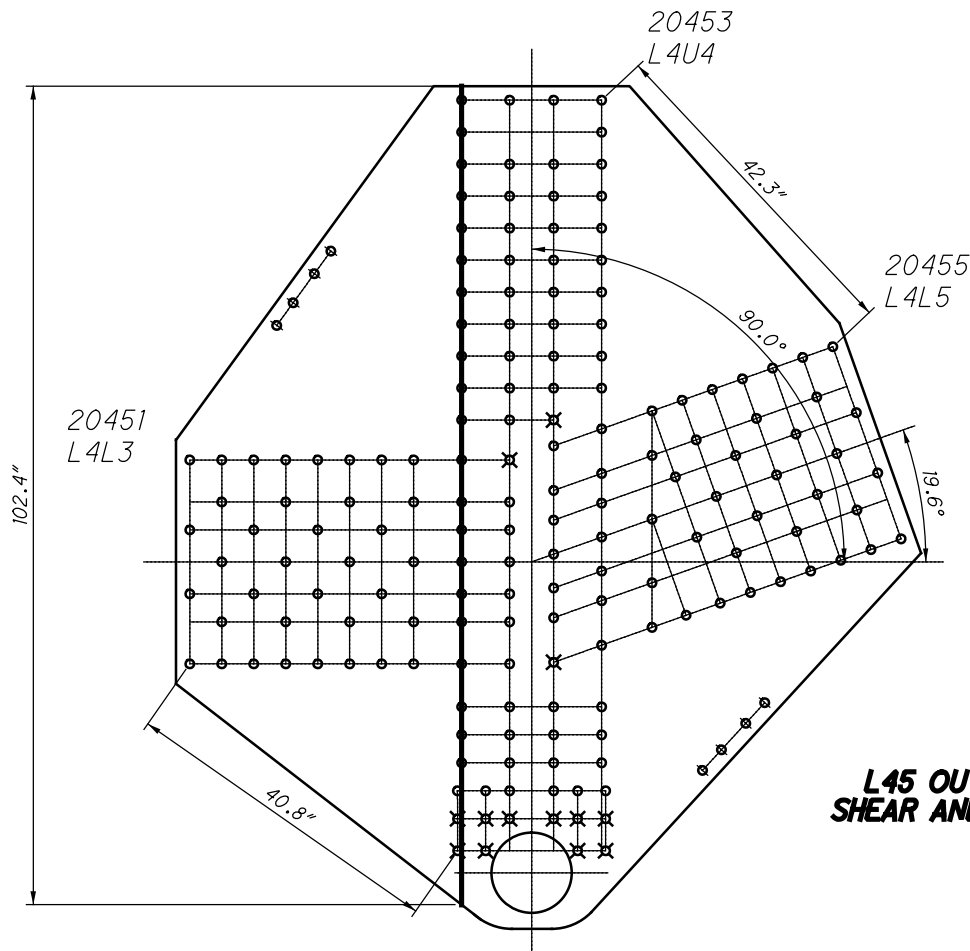
20451
L4L3

50 RIVETS
x 2 PLATES
=100 RIVETS

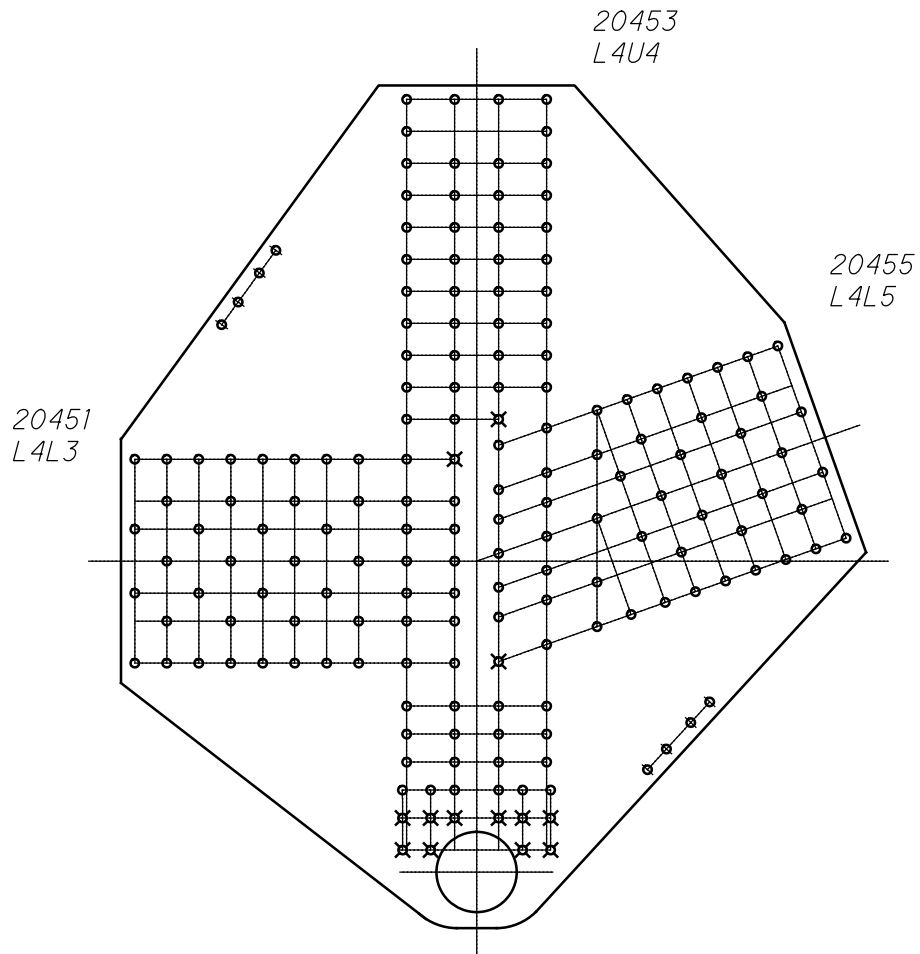


47 RIVETS
x 2 PLATES
=94 RIVETS

**L45 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L45 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

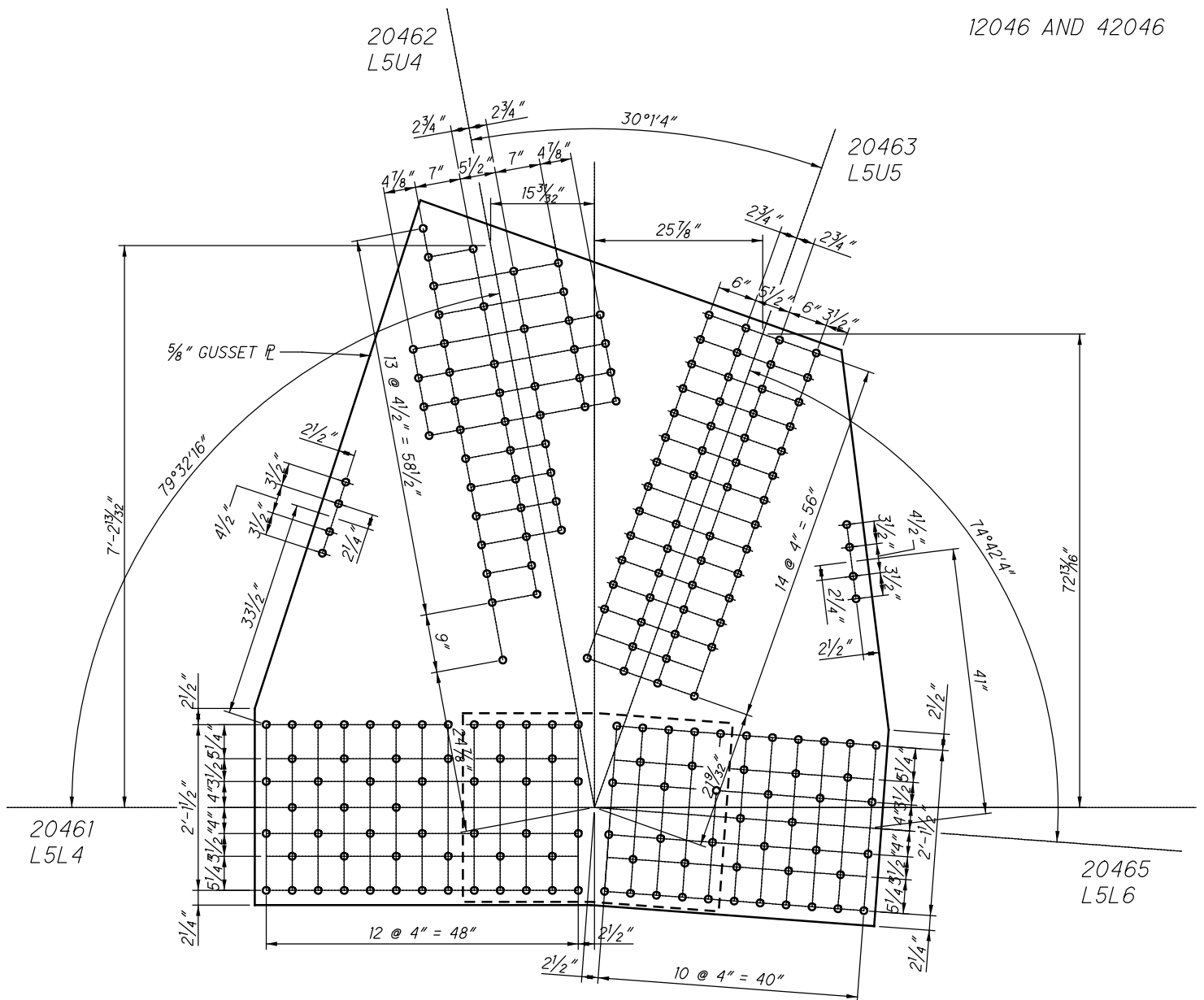


**L45 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**

20462
L5U420463
L5U520461
L5L420465
L5L6 $\frac{5}{8}$ " GUSSET PL

SPLICE PLATE
 $30" \times \frac{3}{8}" \times 3'-9\frac{3}{4}"$

**L46 OUTSIDE (SPAN 10)
 (NEAR AND FAR SIDE)**



20462
L5U4

12046 AND 42046

$L_c = 11.6''$

$L_c = 2.7''$

20463
L5U5

76.7''

81.1''

13.8''

20.9''

8.1''

20461
L5L4

20465
L5L6

**L46 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20462
L5U4

20463
L5U5

$L_c = 5.5''$

**L46 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

$L_c = 3.0''$

55.5''

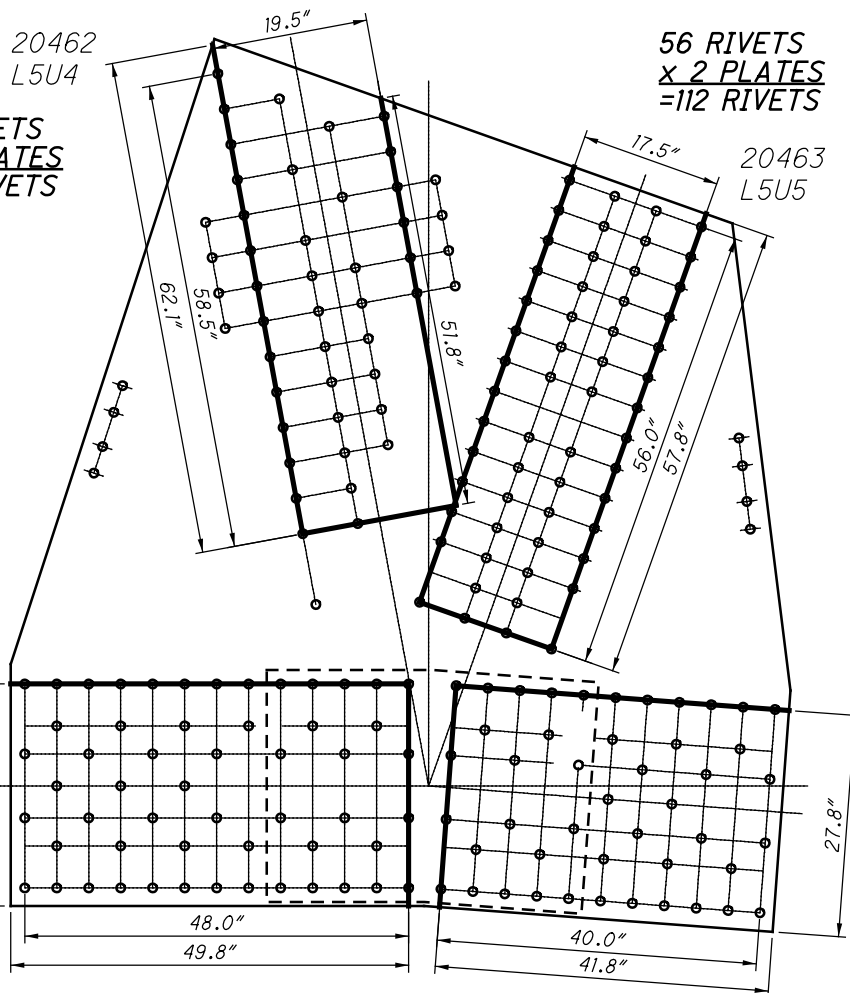
20461
L5L4

20465
L5L6

50.8''

3.9''

5.0''



39 RIVETS
x 2 PLATES
 =78 RIVETS

56 RIVETS
x 2 PLATES
 =112 RIVETS

12046 AND 42046

55 RIVETS
x 2 PLATES
 =110 RIVETS

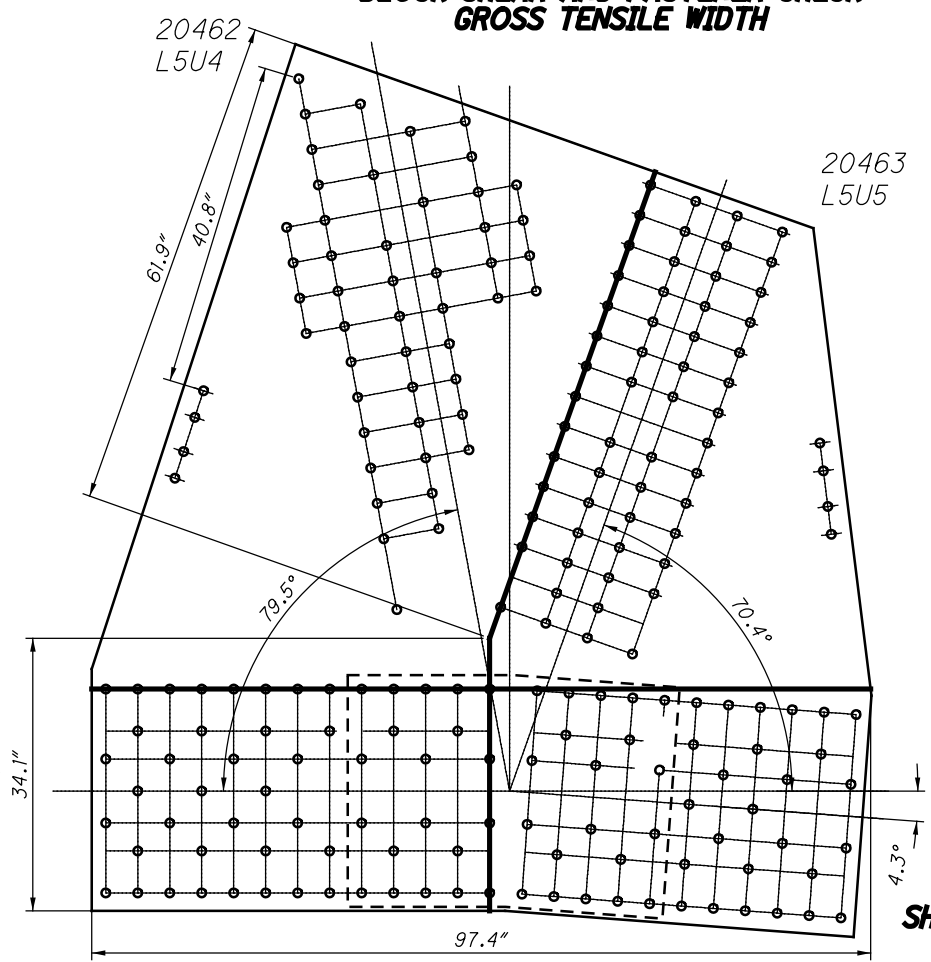
46 RIVETS
x 2 PLATES
 =92 RIVETS

20 SPLICE \overline{P}
x 2 PLATES
 =40 RIVETS

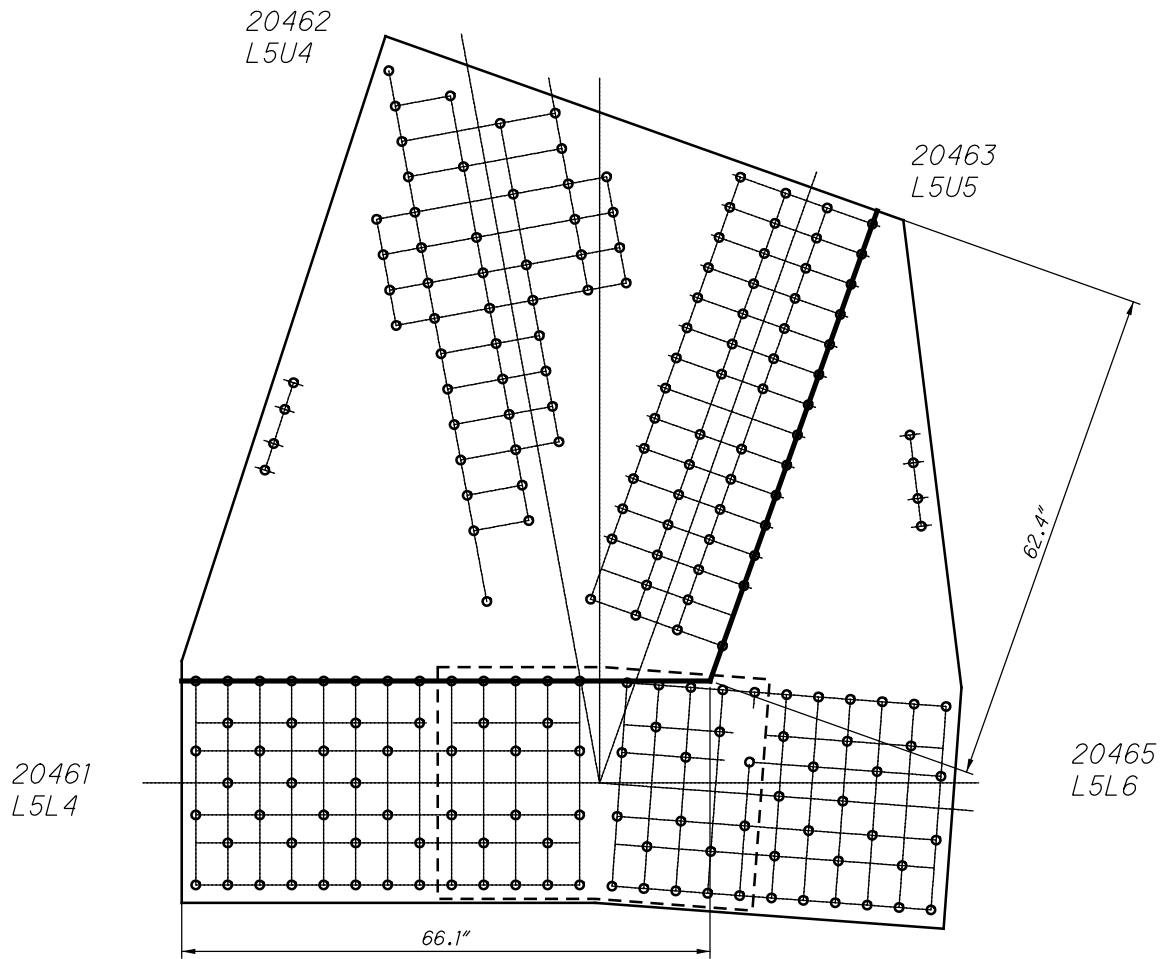
20465
 L5L6

20 SPLICE \overline{P}
x 2 PLATES
 =40 RIVETS

**L46 OUTSIDE (SPAN 10)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**



**L46 OUTSIDE (SPAN 10)
 SHEAR AND FREE EDGE CHECK**



**L46 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**

20473
L6U6



20472
L6U5

12047 AND 42047

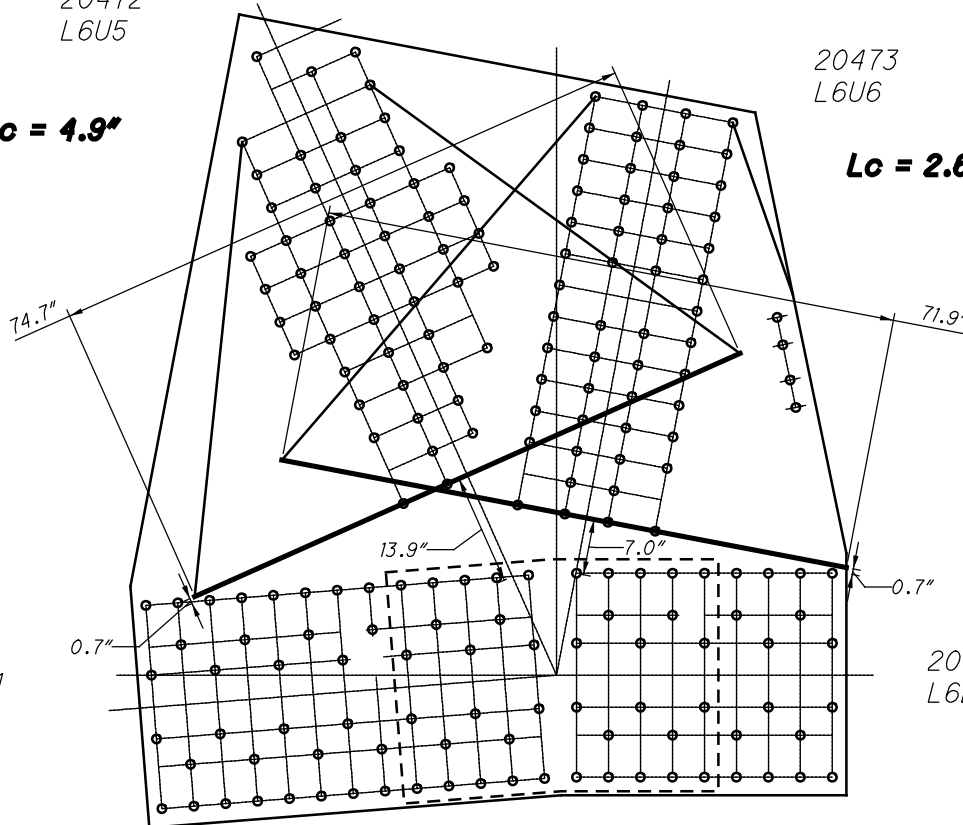
$L_c = 4.9''$

20473
L6U6

$L_c = 2.6''$

20471
L6L5

20475
L6L7



**L47 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20472
L6U5

20473
L6U6

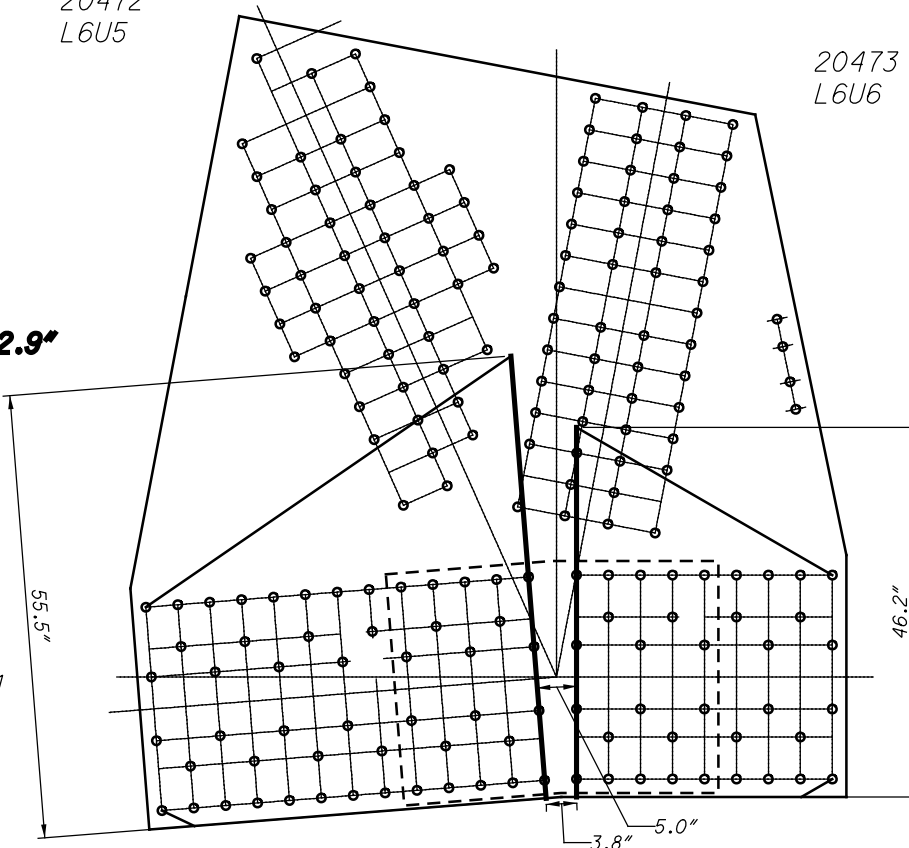
$L_c = 2.9''$

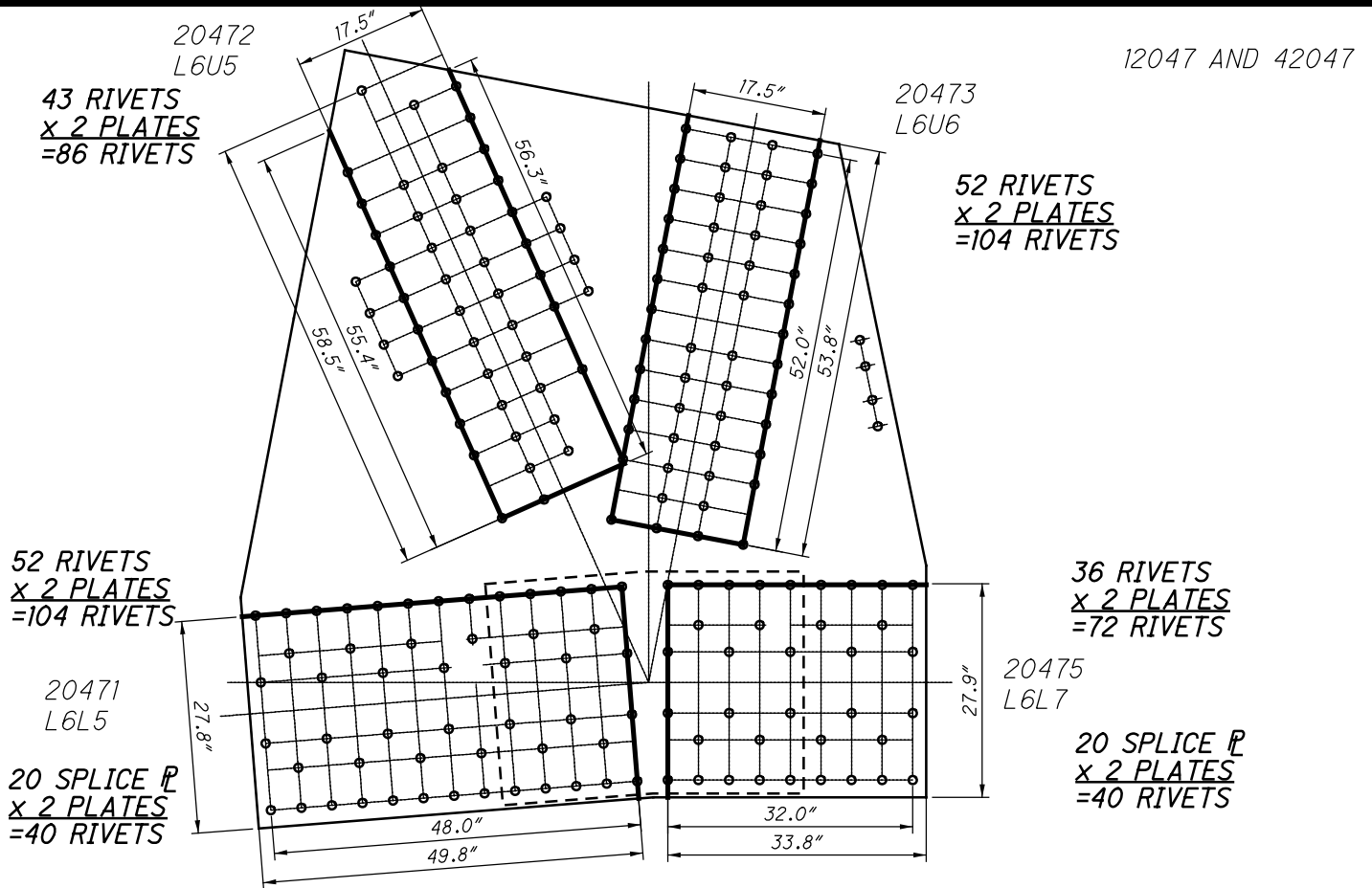
**L47 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

$L_c = 2.9''$

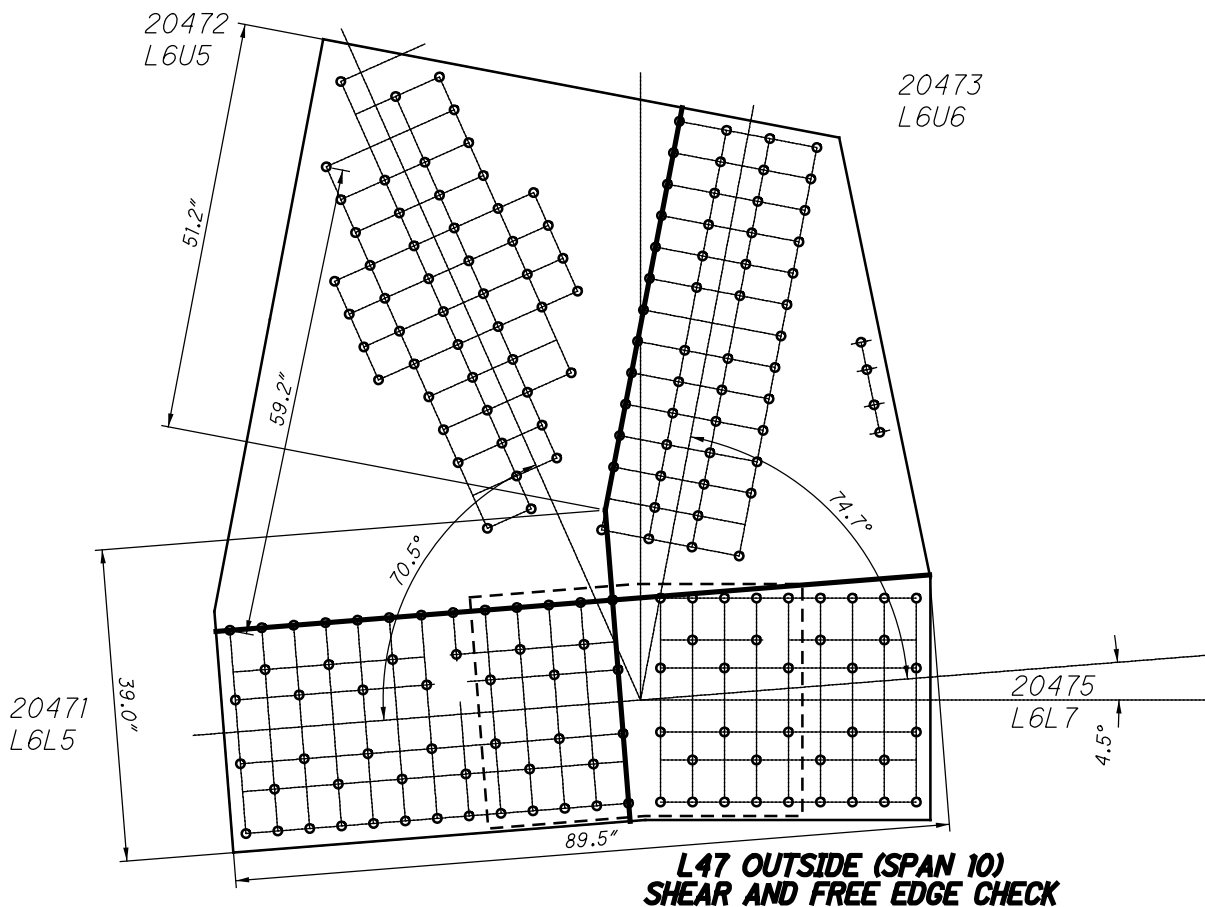
20471
L6L5

20475
L6L7

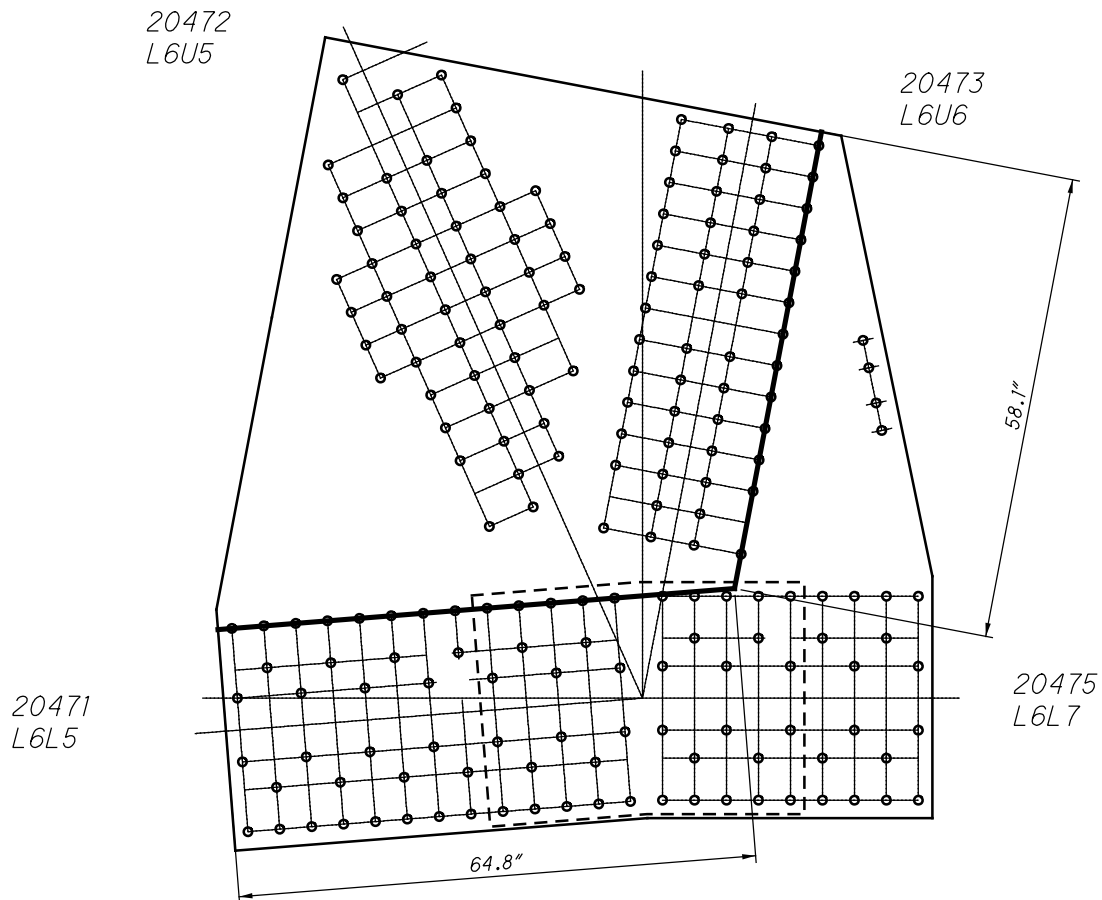




**L47 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

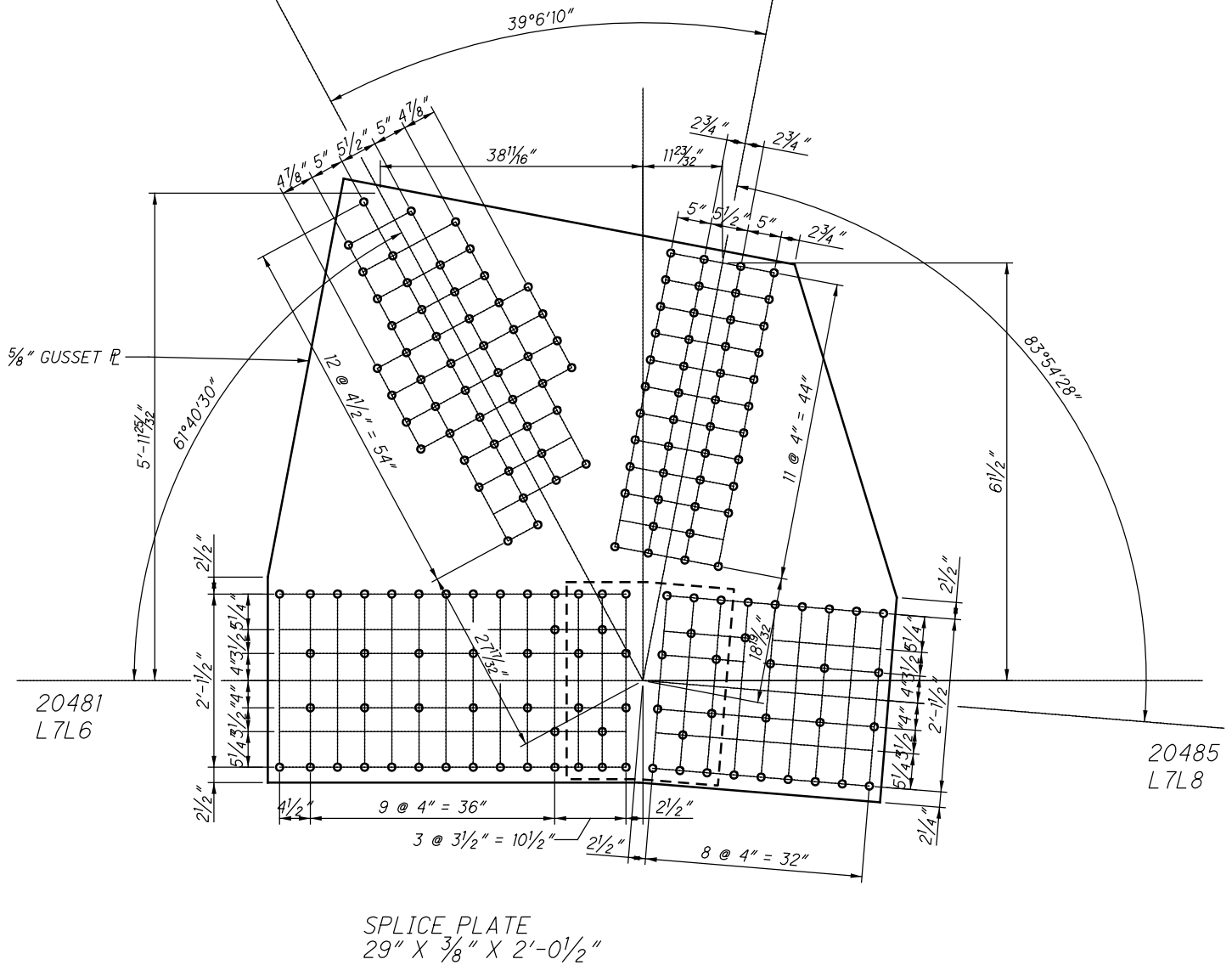


**L47 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

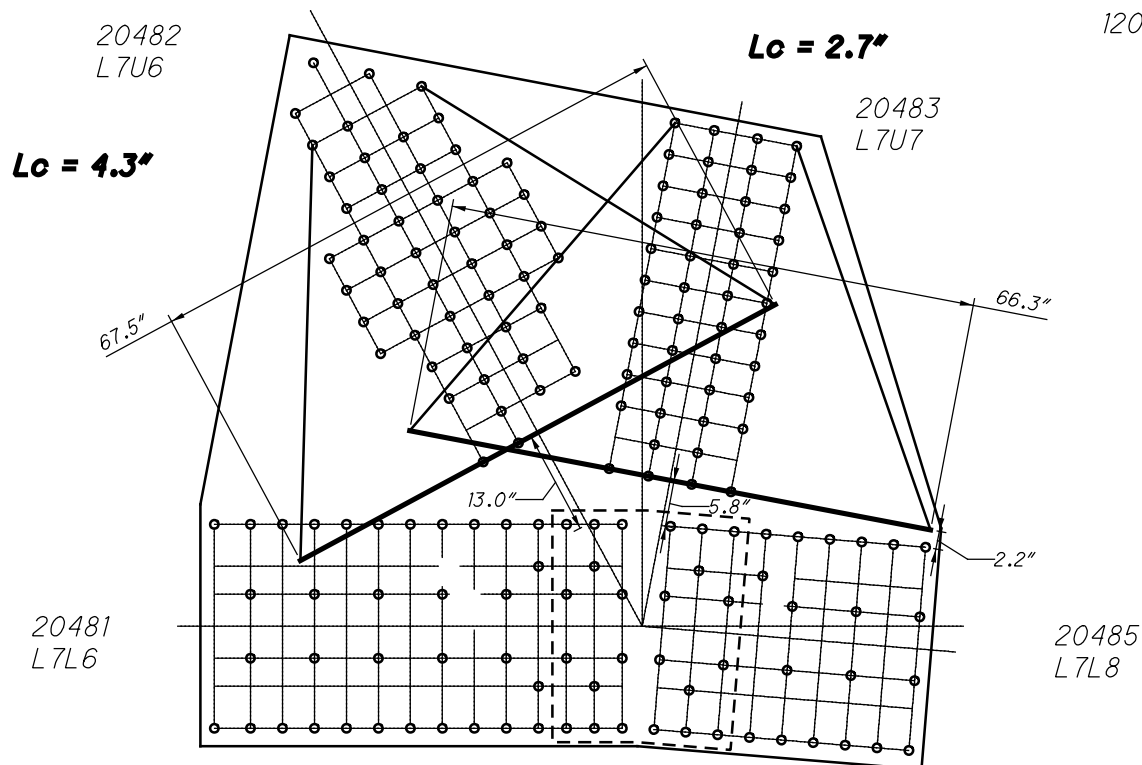


**L47 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**

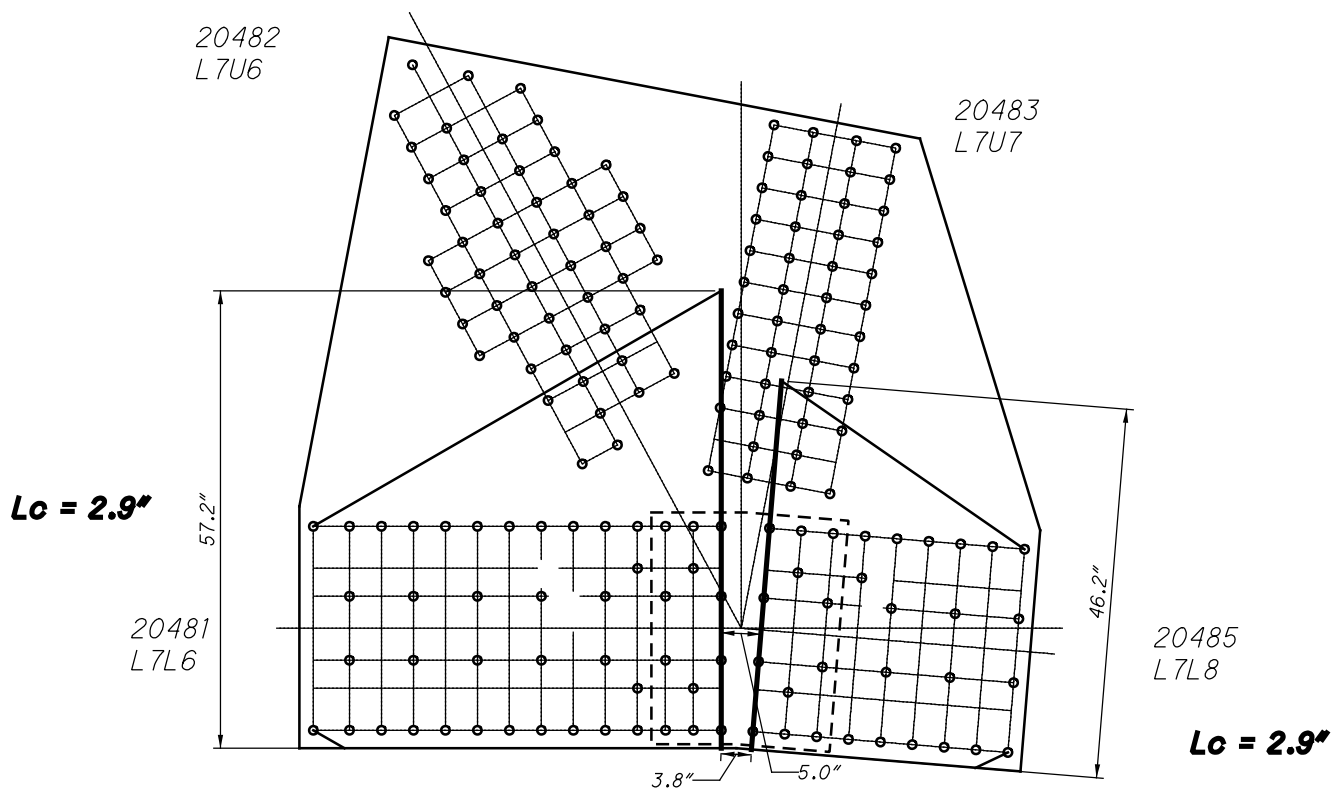
20483
L7U7



**L48 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

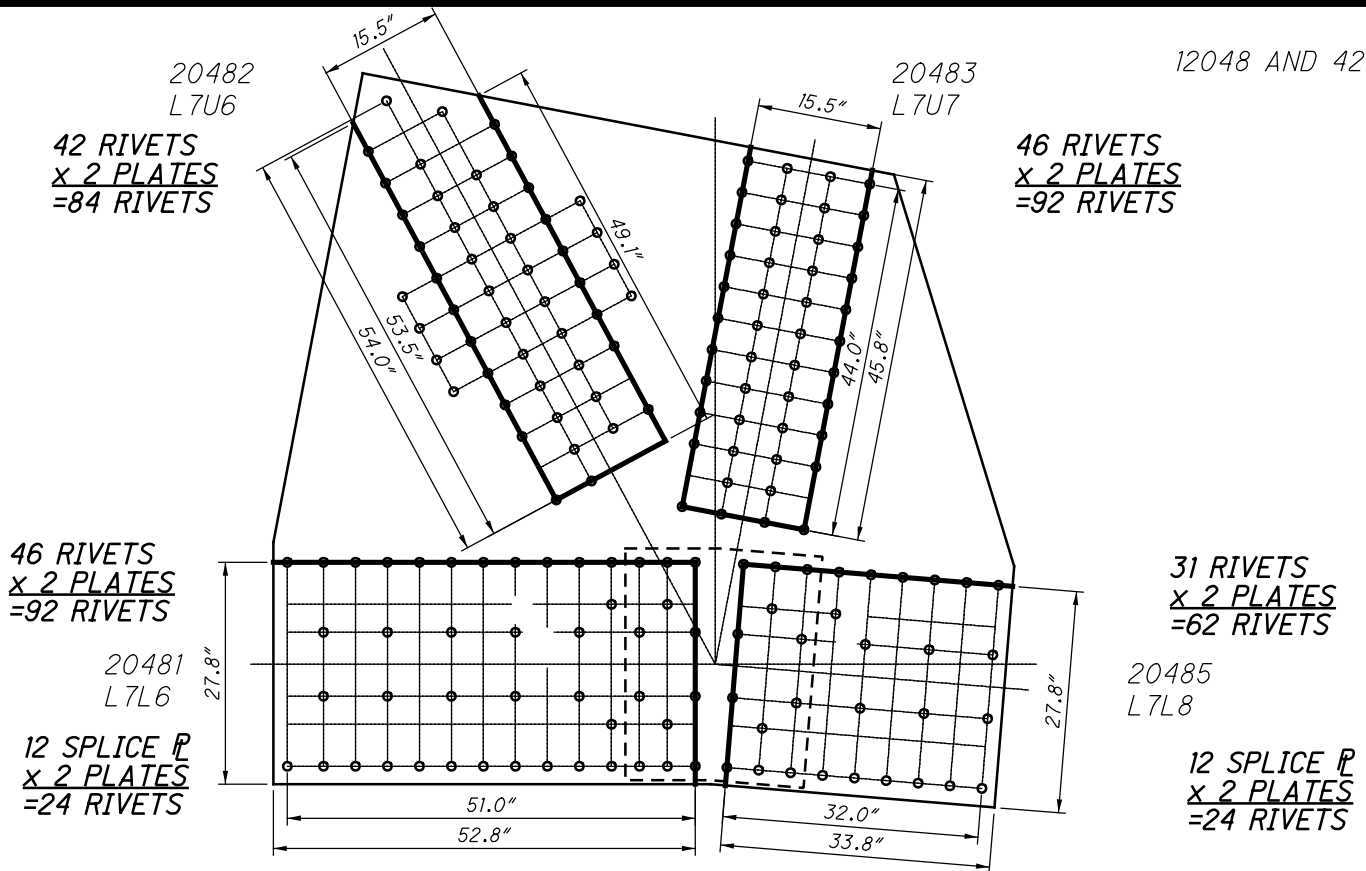


**L48 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

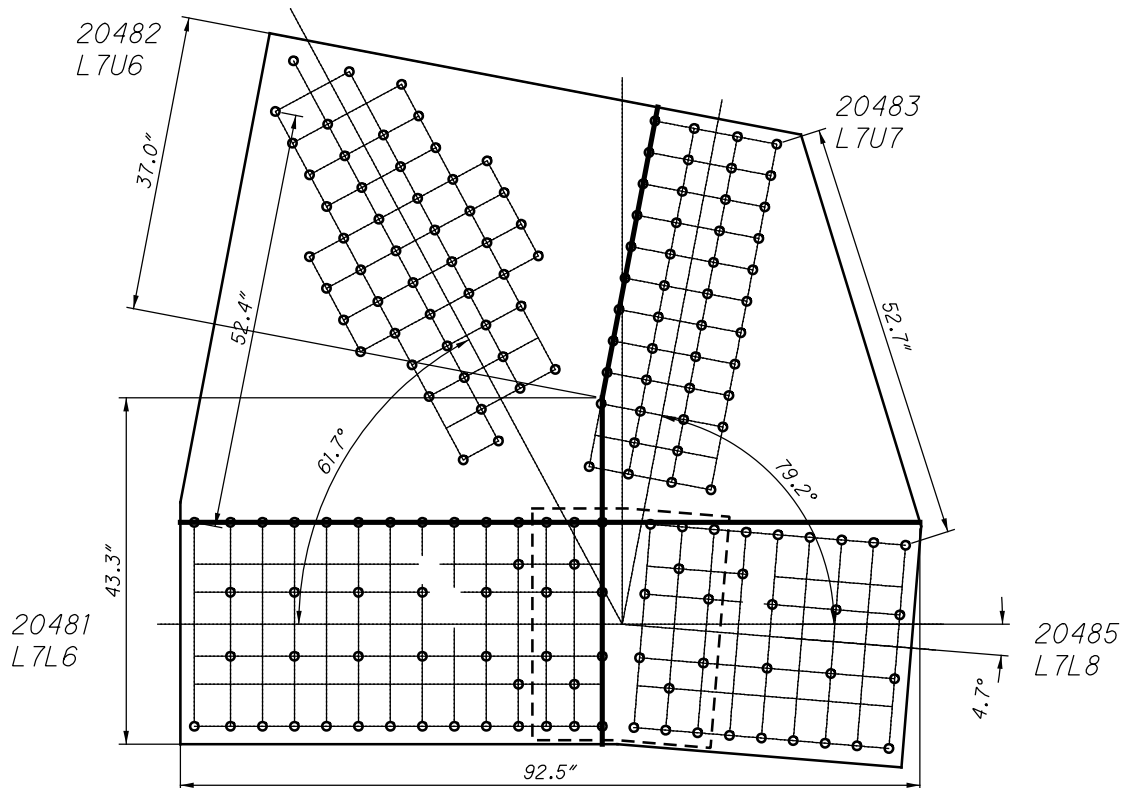


**L48 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

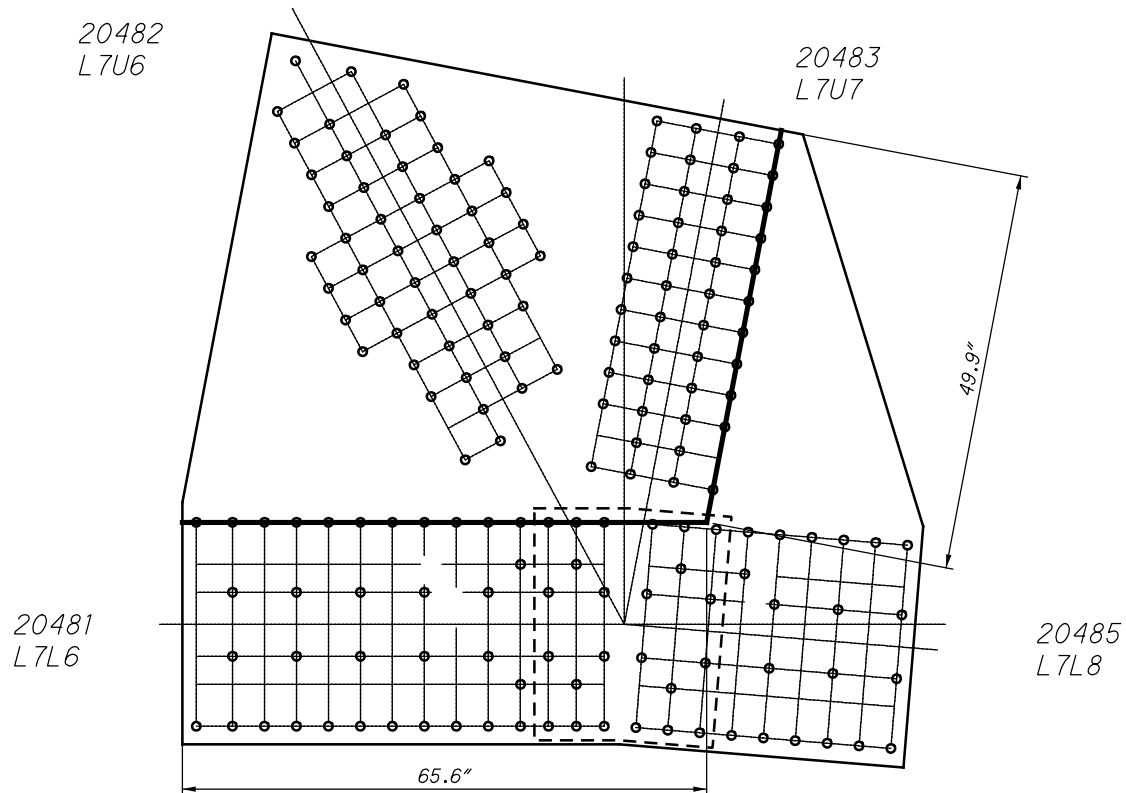
12048 AND 42048



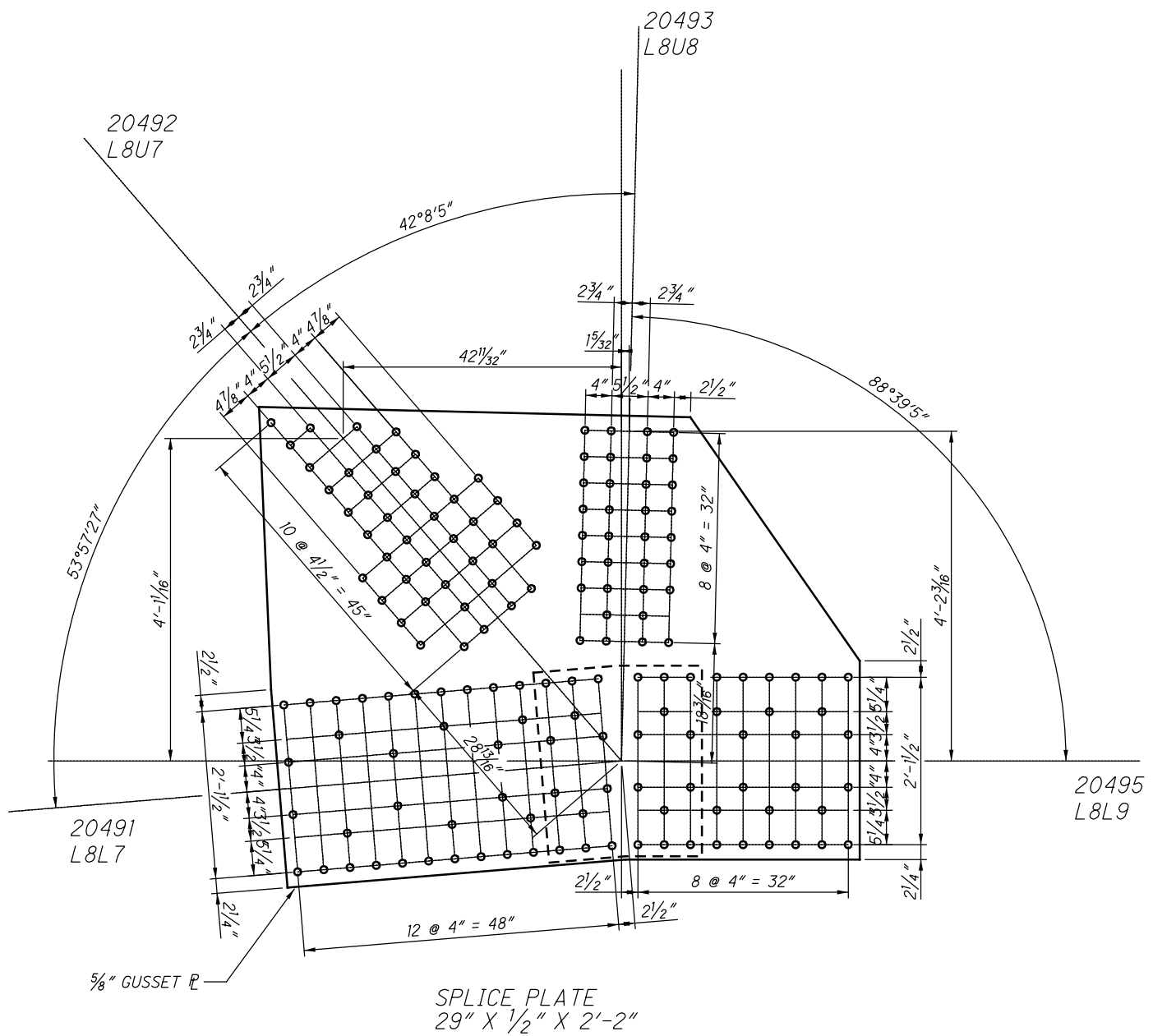
**L48 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



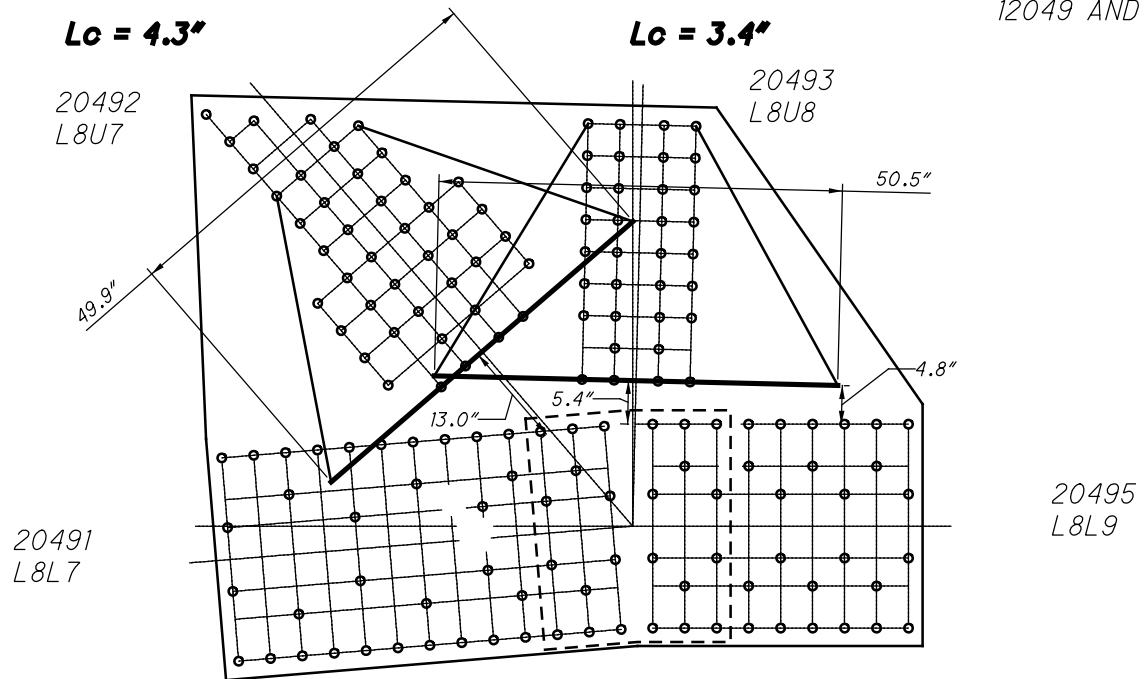
**L48 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



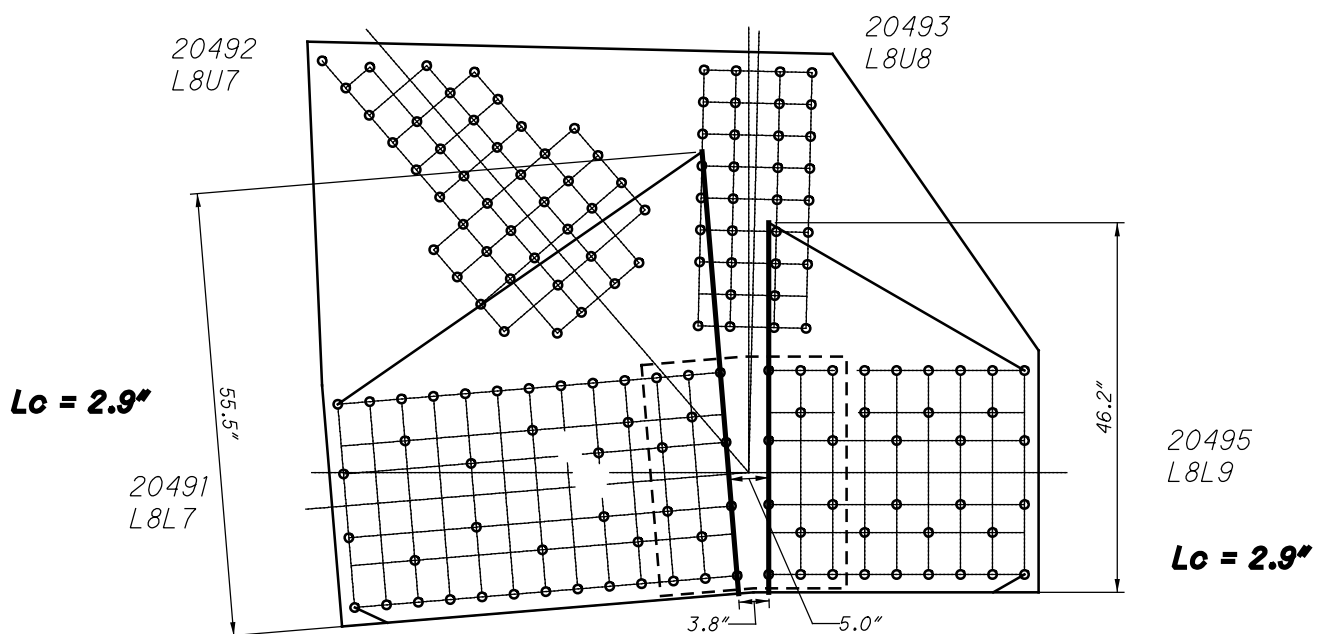
**L48 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



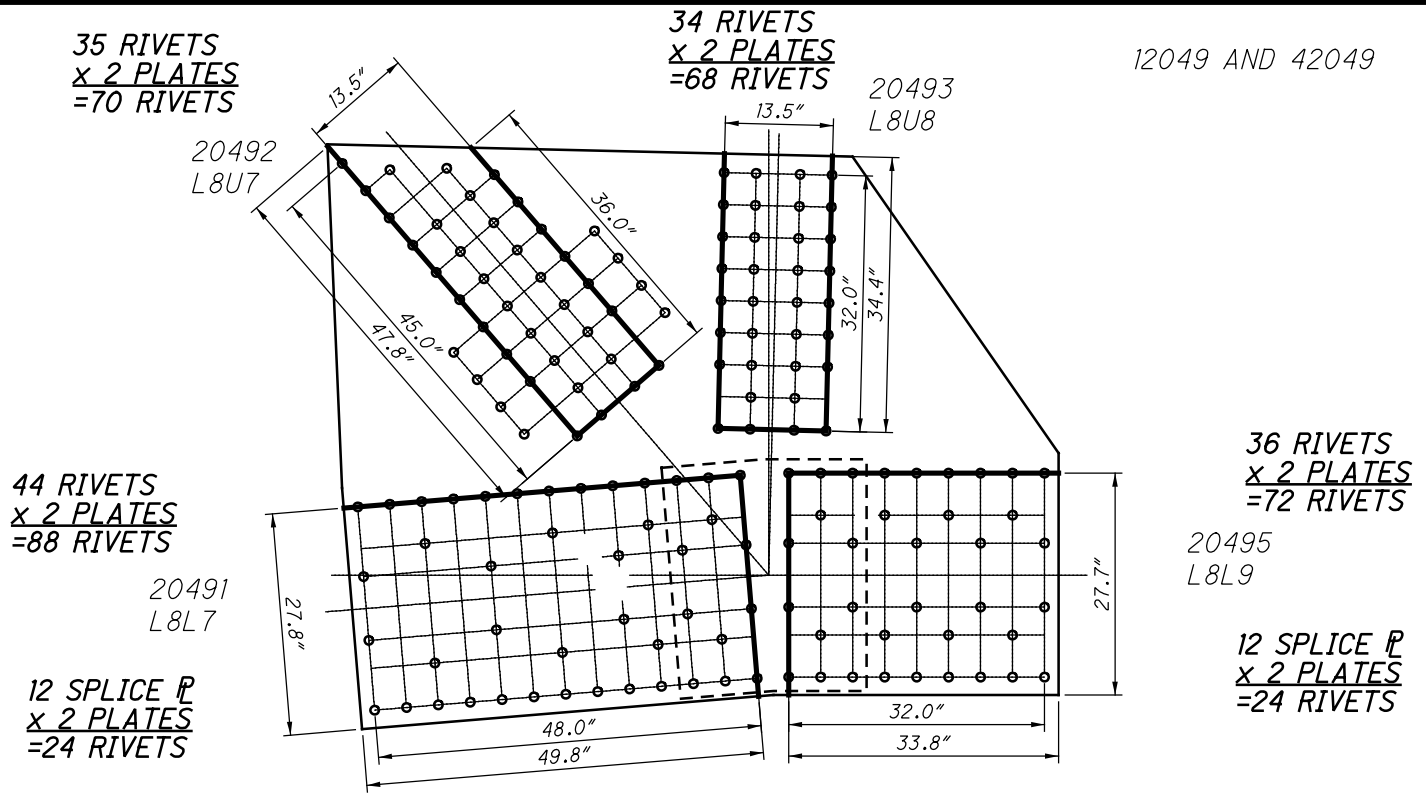
**L49 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



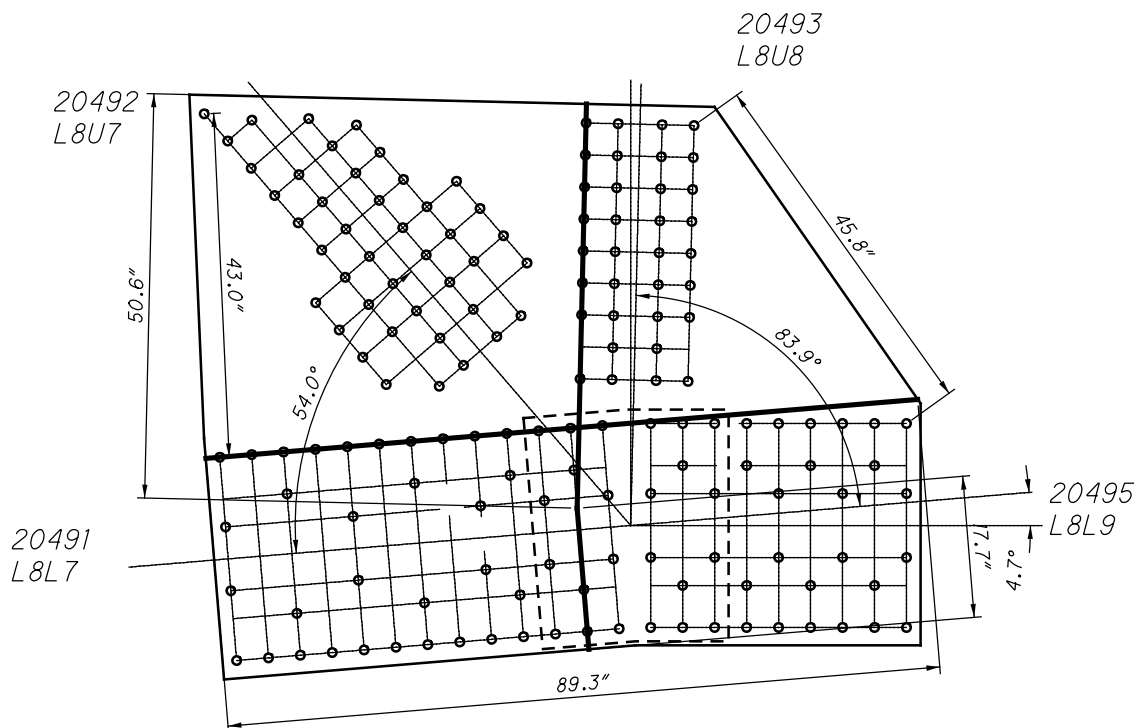
**L49 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



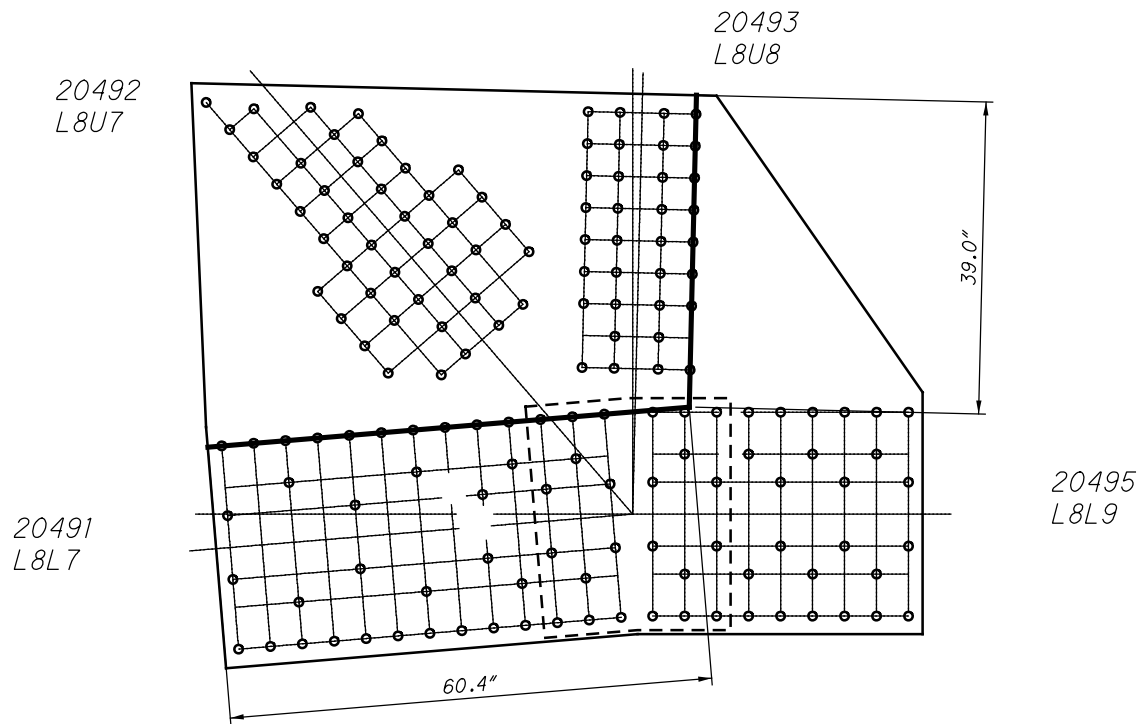
**L49 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



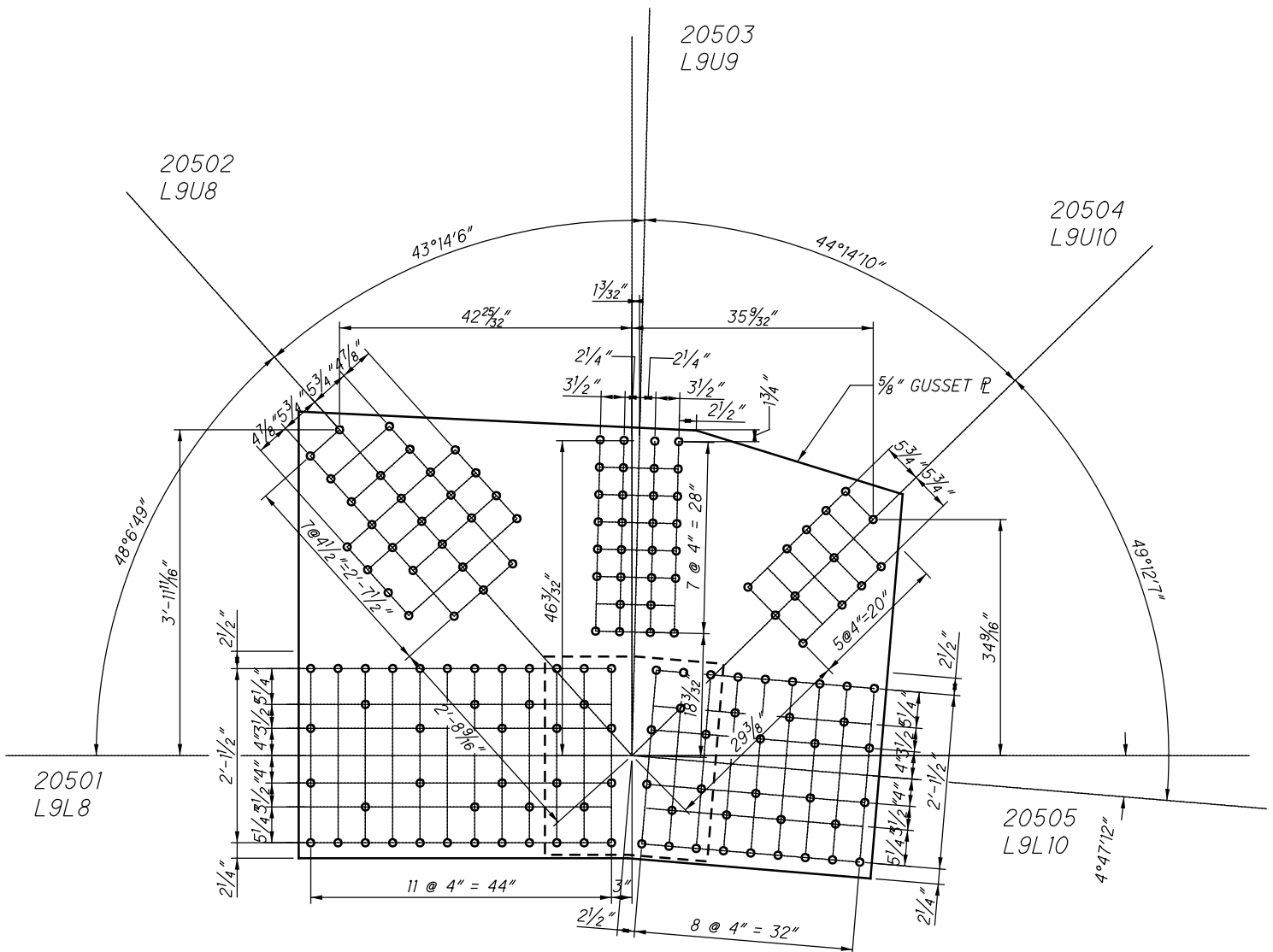
**L49 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L49 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

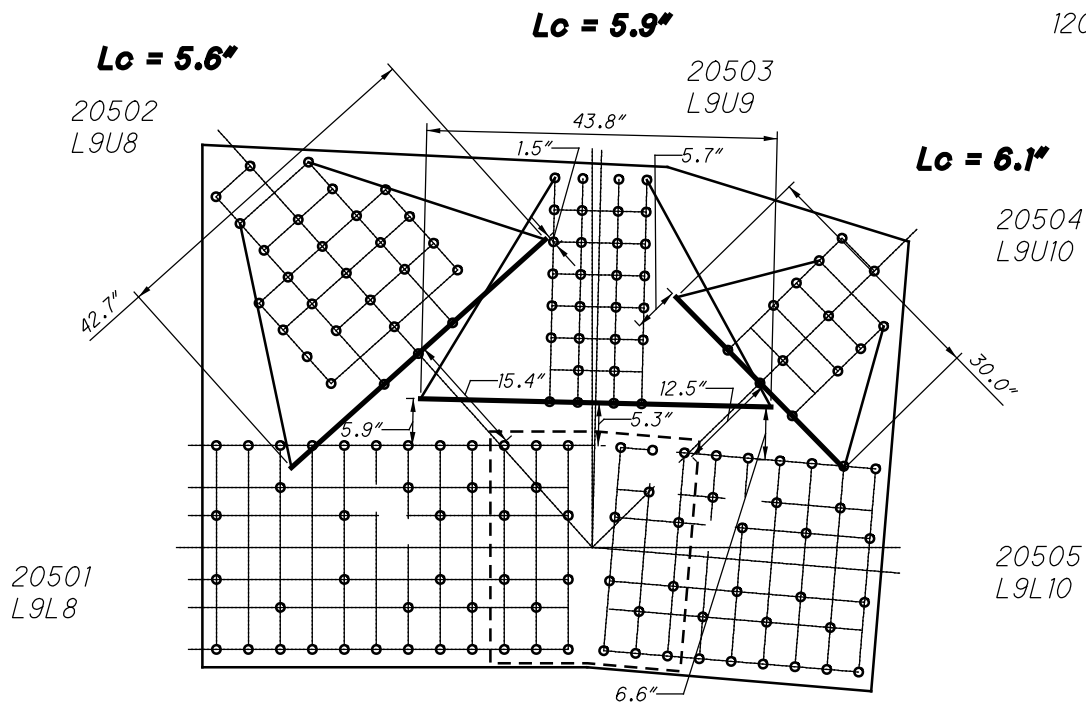


**L49 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**

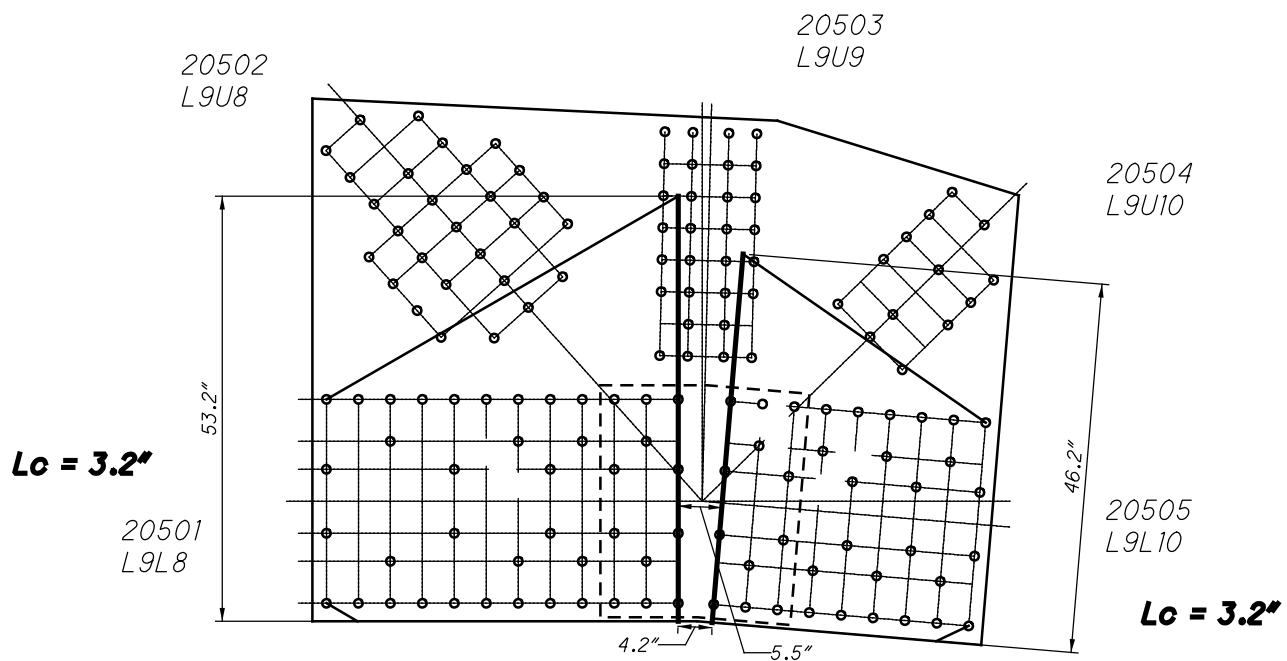


SPLICE PLATE
29" X 1/2" X 2'-2 1/2"

**L50 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



**L50 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L50 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20 RIVETS
x 2 PLATES
=40 RIVETS

30 RIVETS
x 2 PLATES
=60 RIVETS

12050 AND 42050

20502
L9U8

20503
L9U9

13 RIVETS
x 2 PLATES
=26 RIVETS

20504
L9U10

42 RIVETS
x 2 PLATES
=84 RIVETS

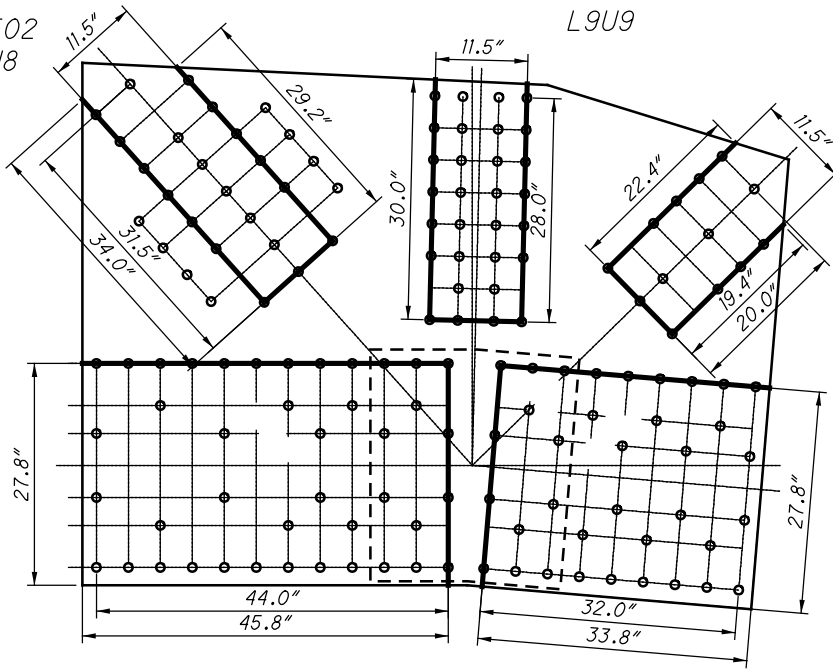
20501
L9L8

36 RIVETS
x 2 PLATES
=72 RIVETS

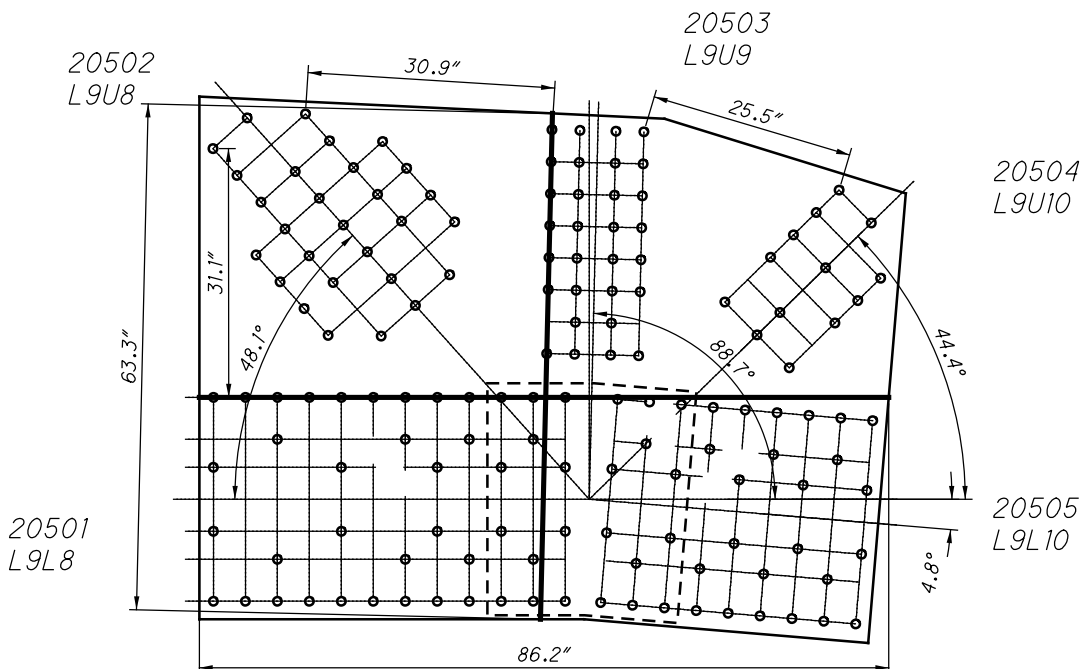
20505
L9L10

12 SPLICE P
x 2 PLATES
=24 RIVETS

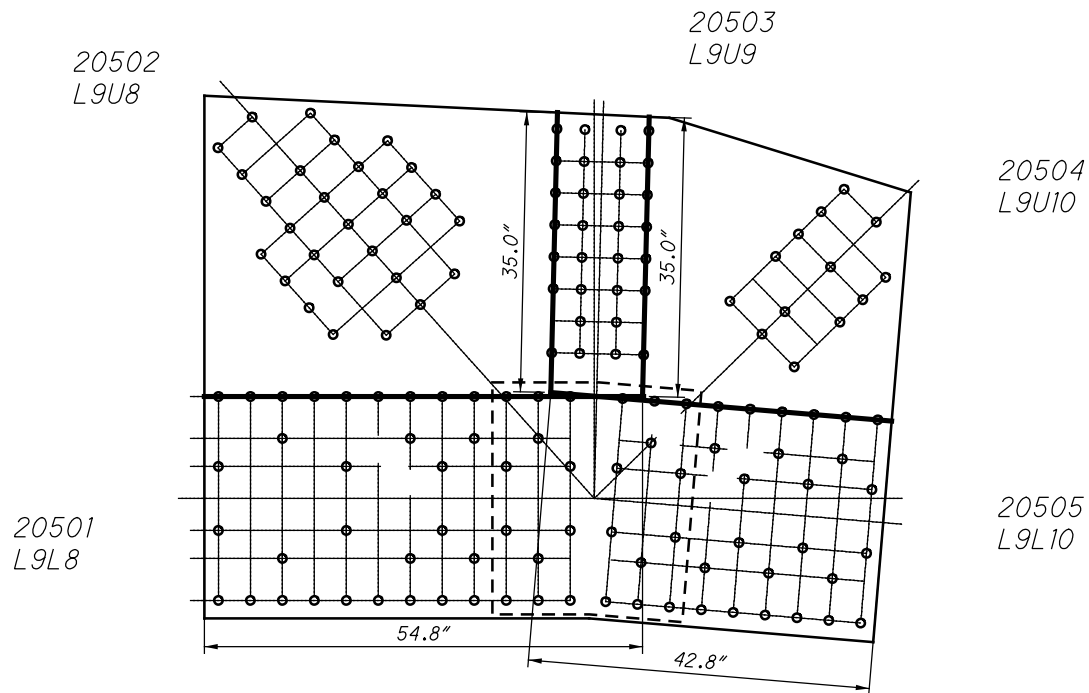
12 SPLICE P
x 2 PLATES
=24 RIVETS



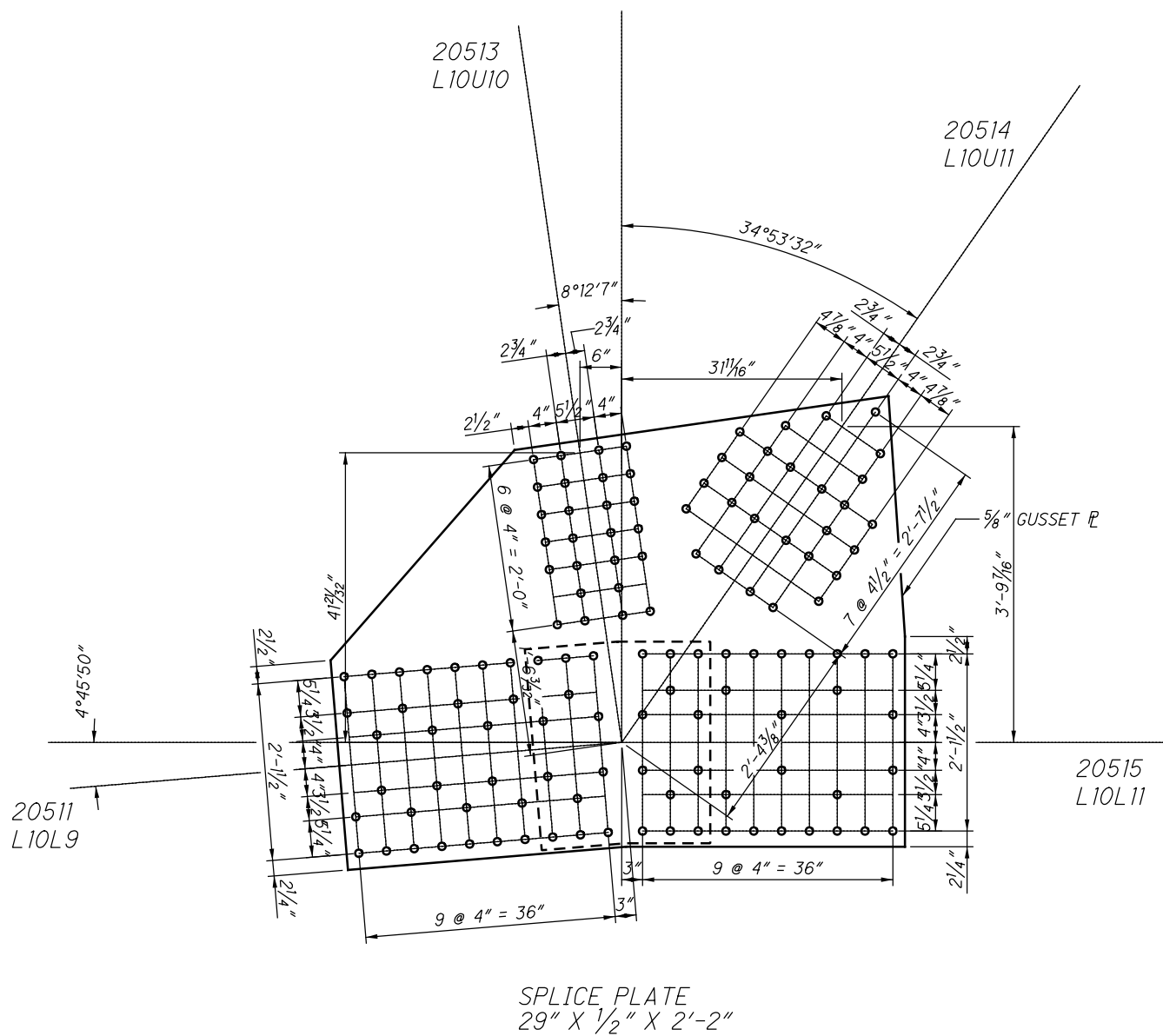
**L50 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



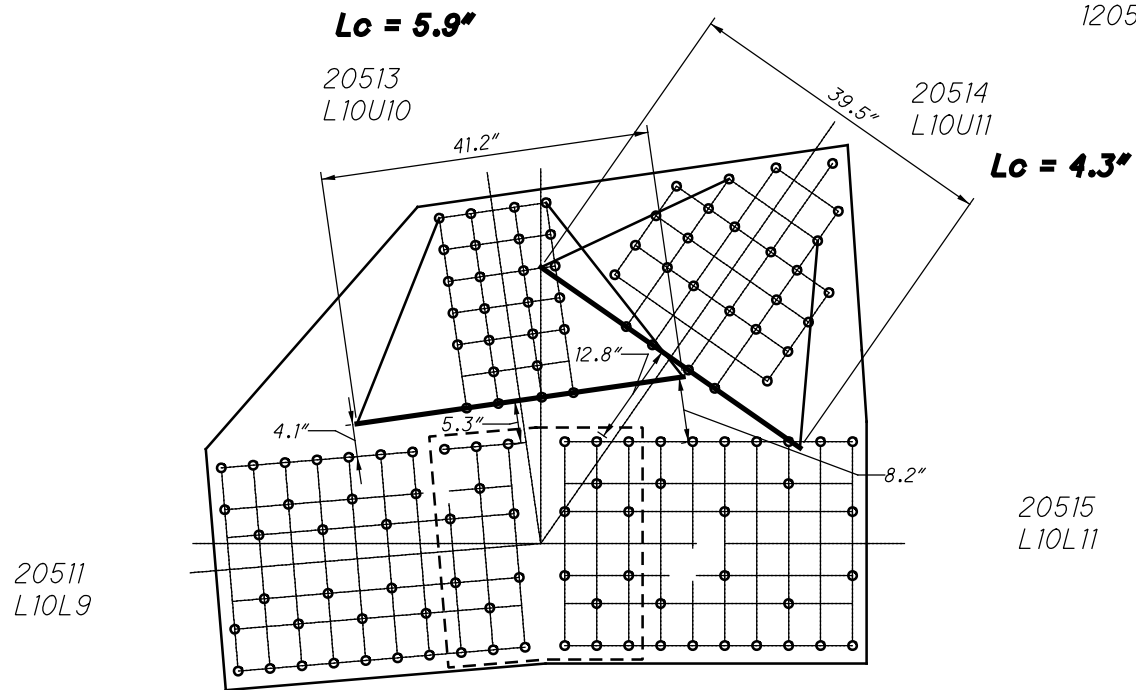
**L50 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



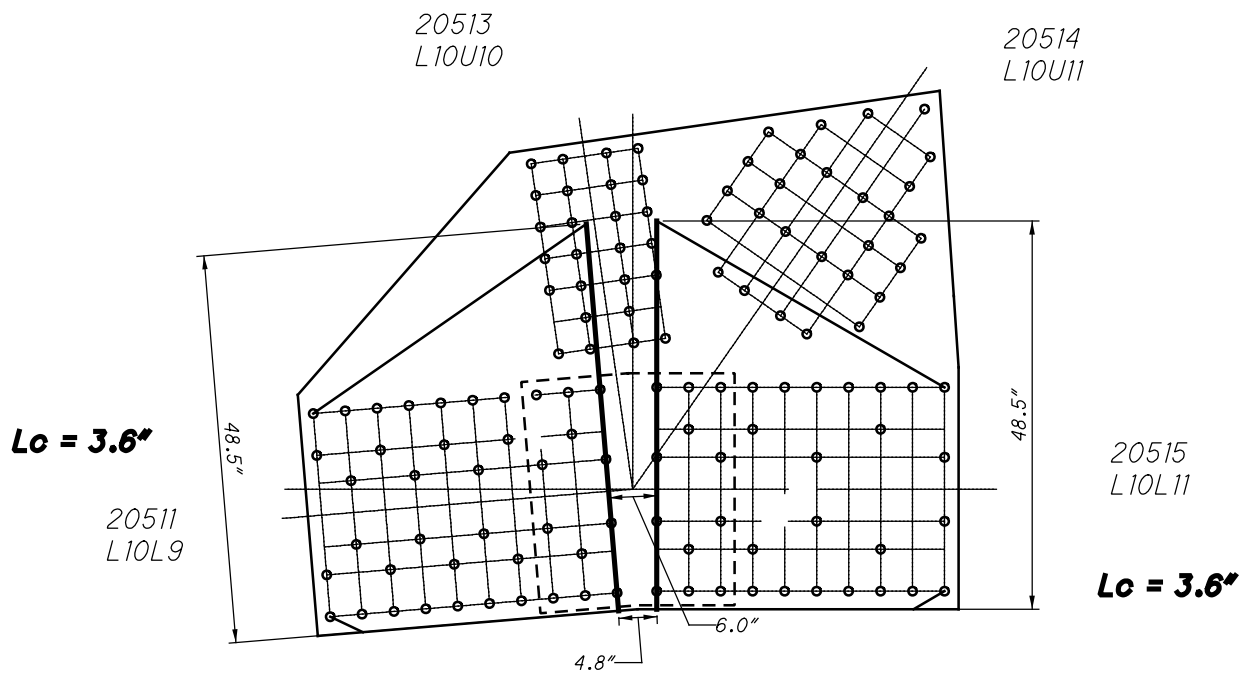
**L50 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L51 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

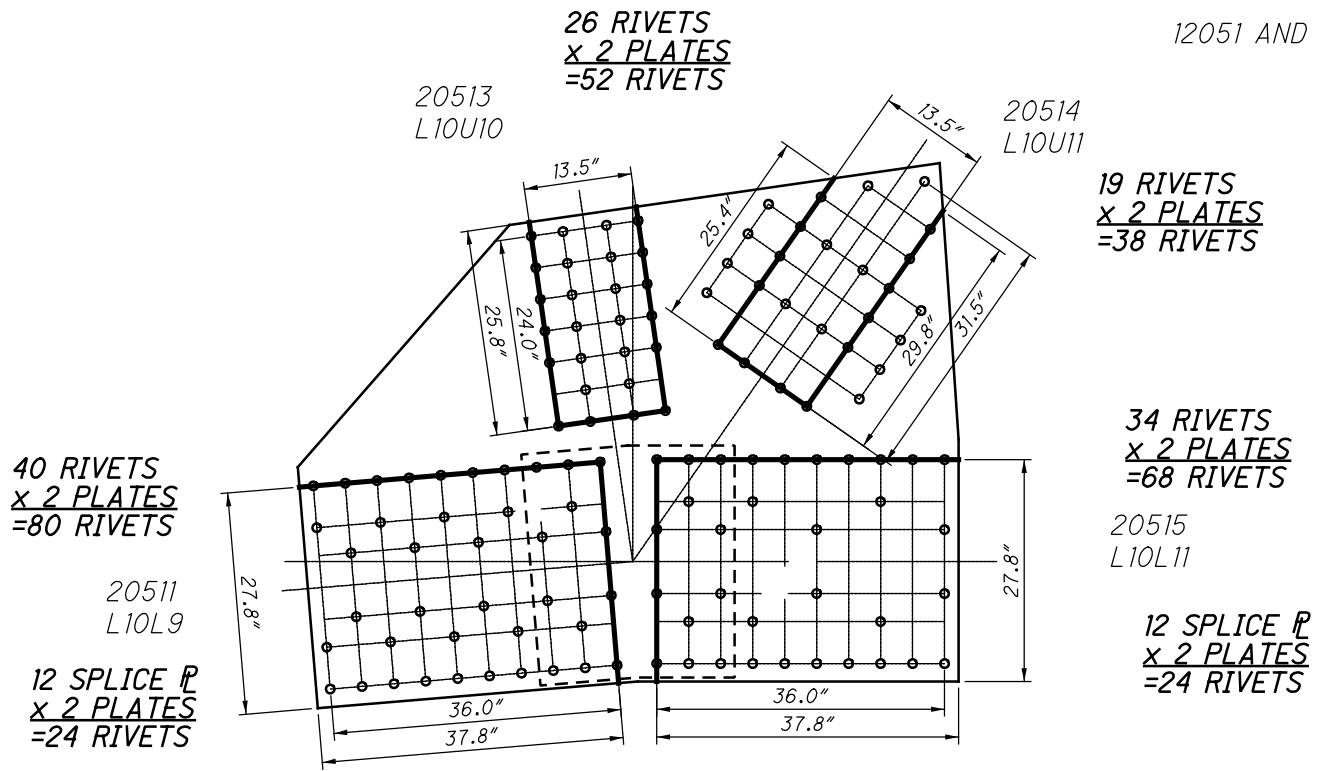


**L51 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

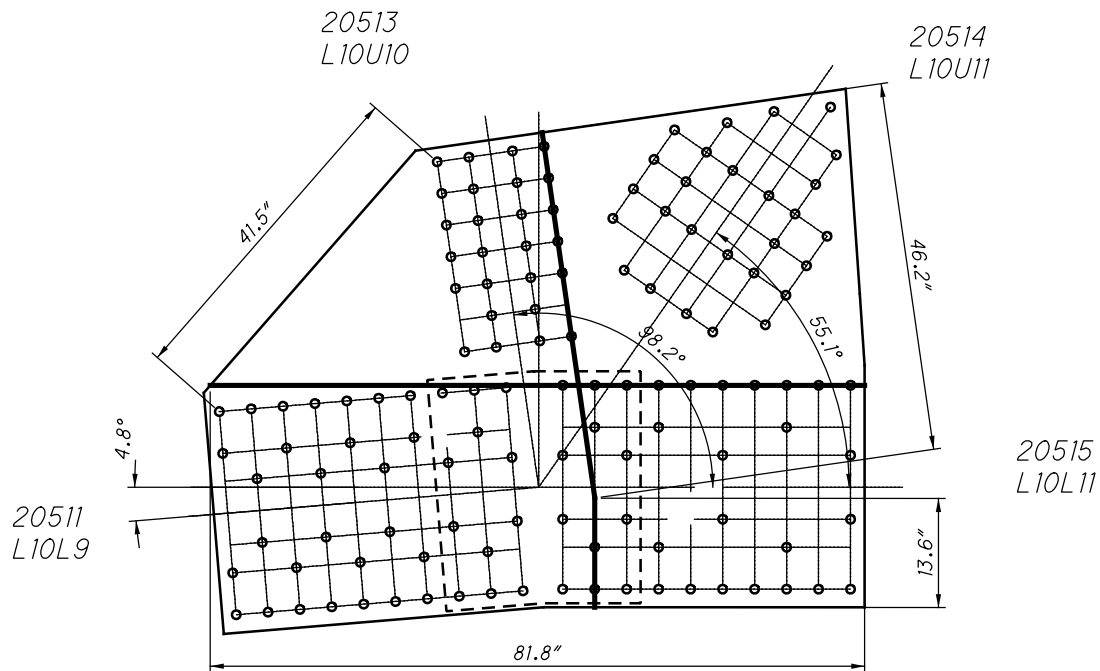


**L51 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

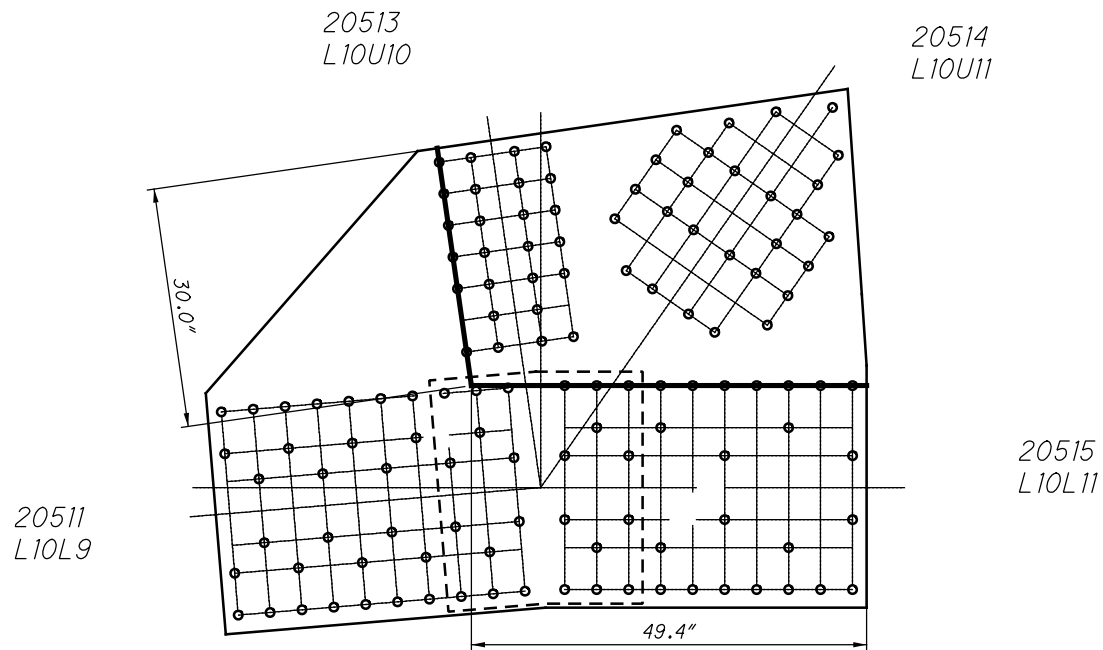
12051 AND 42051



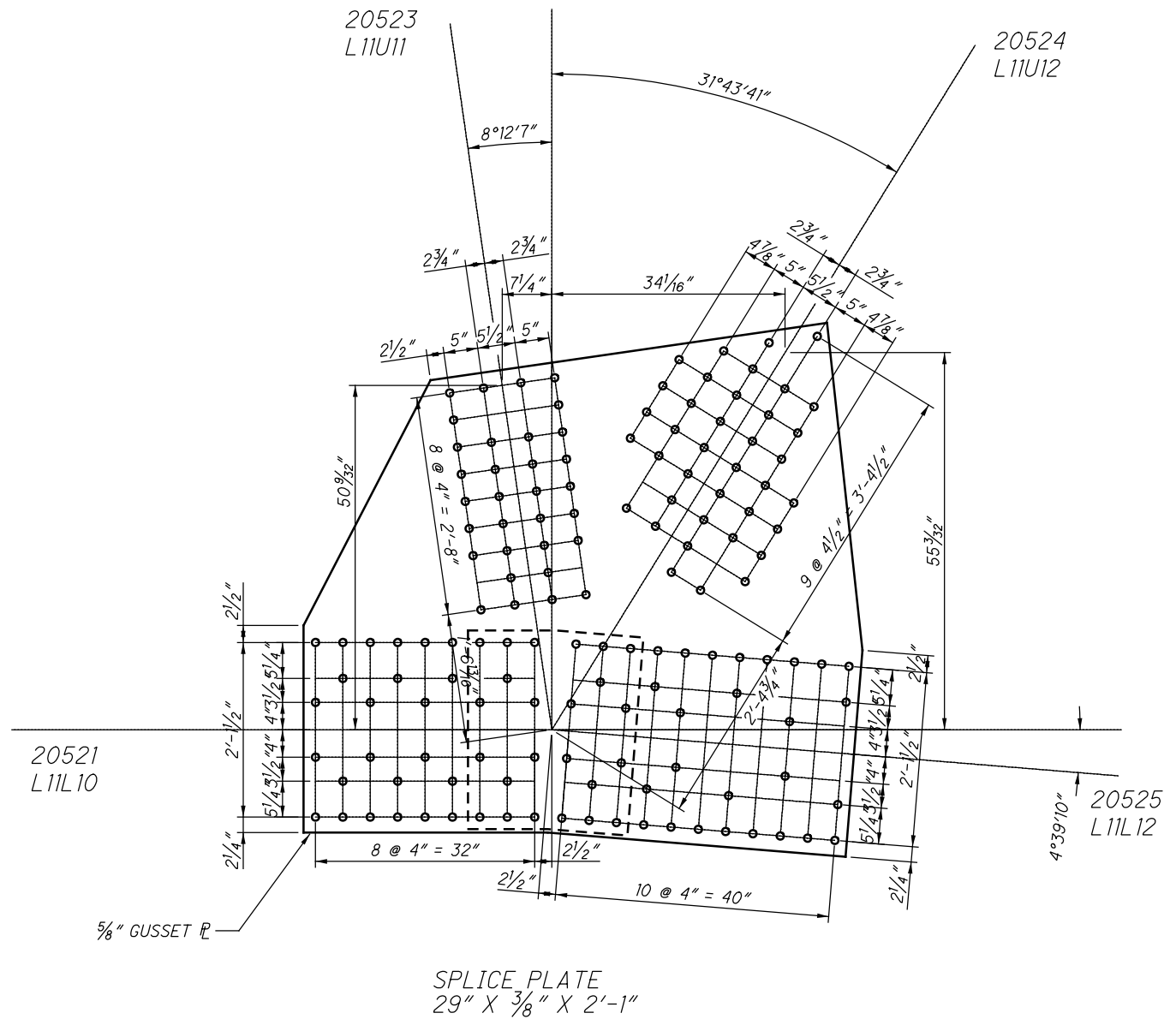
**L51 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



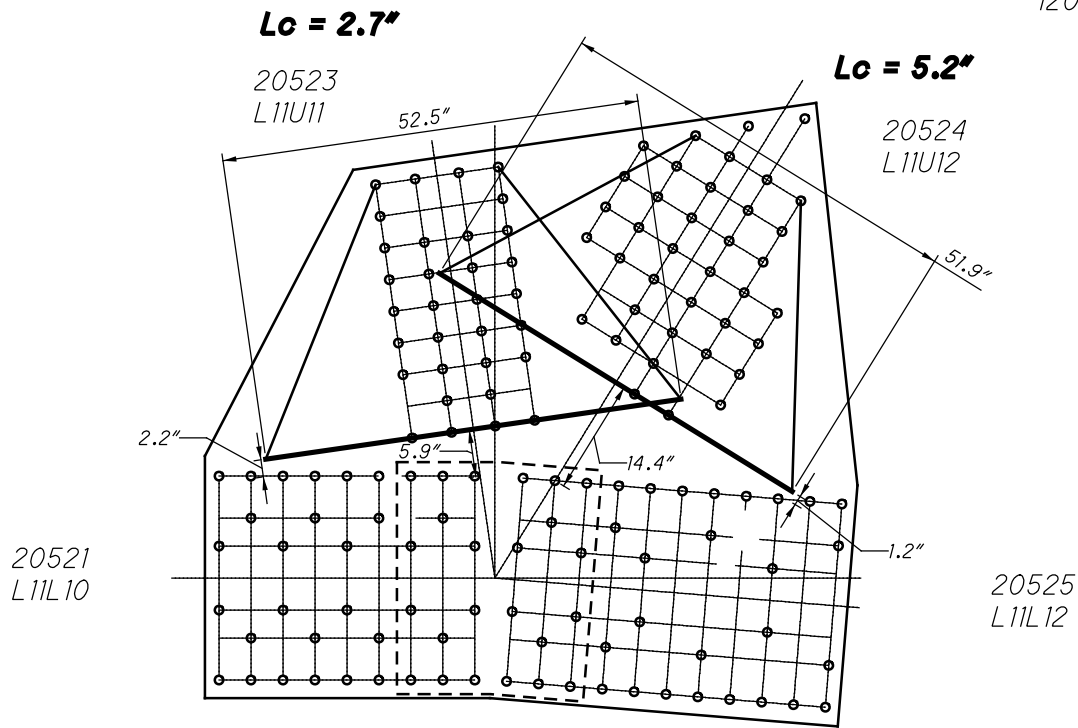
**L51 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



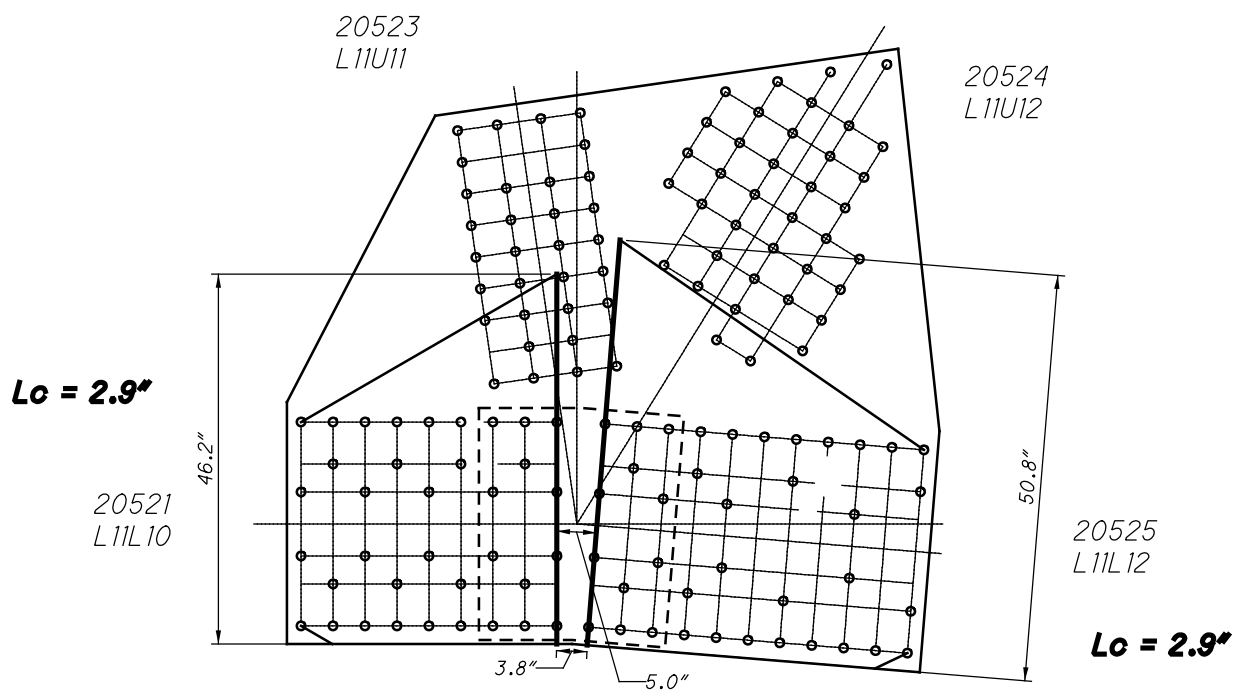
**L51 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L52 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



**L52 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L52 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

12052 AND 42052

32 RIVETS
x 2 PLATES
=64 RIVETS

20523
L11U11

20524
L11U12

30 RIVETS
x 2 PLATES
=60 RIVETS

36 RIVETS
x 2 PLATES
=72 RIVETS

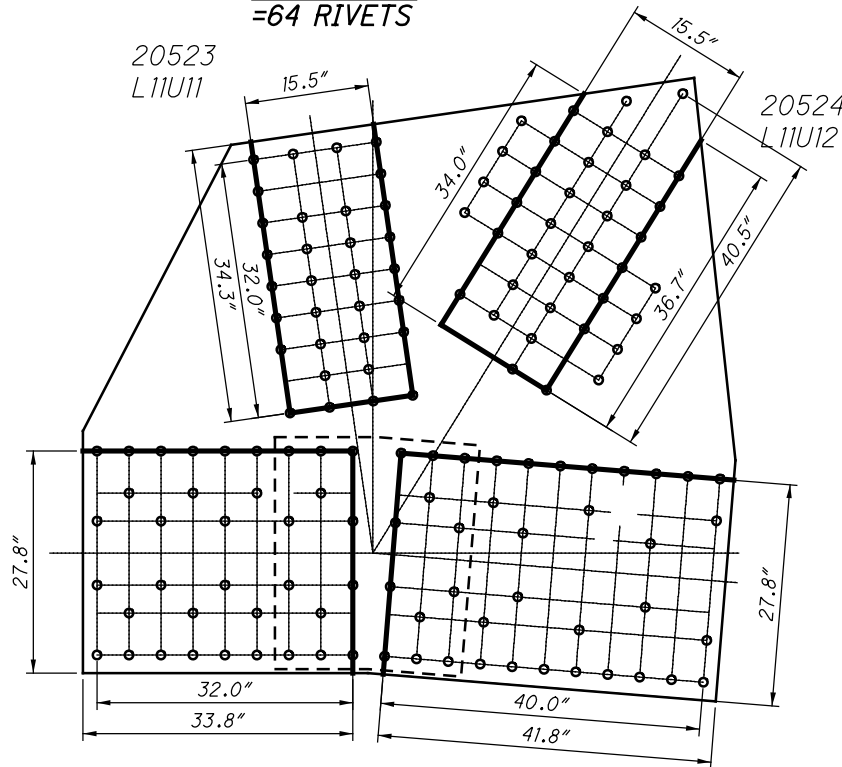
20521
L11L10

12 SPLICE P
x 2 PLATES
=24 RIVETS

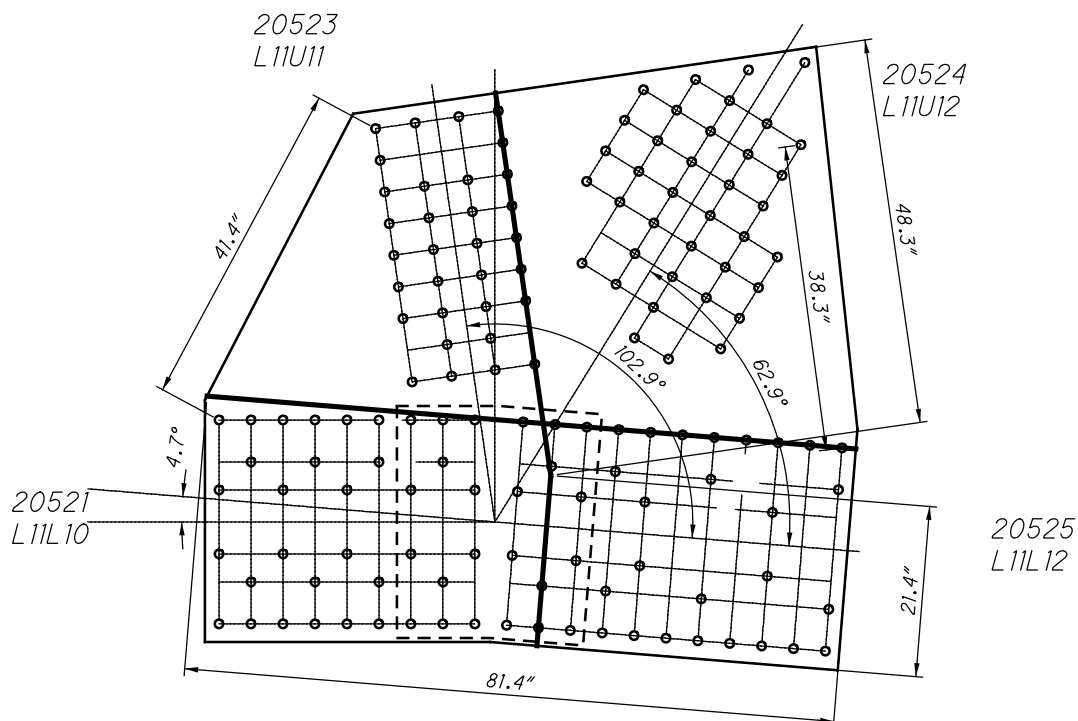
38 RIVETS
x 2 PLATES
=76 RIVETS

20525
L11L12

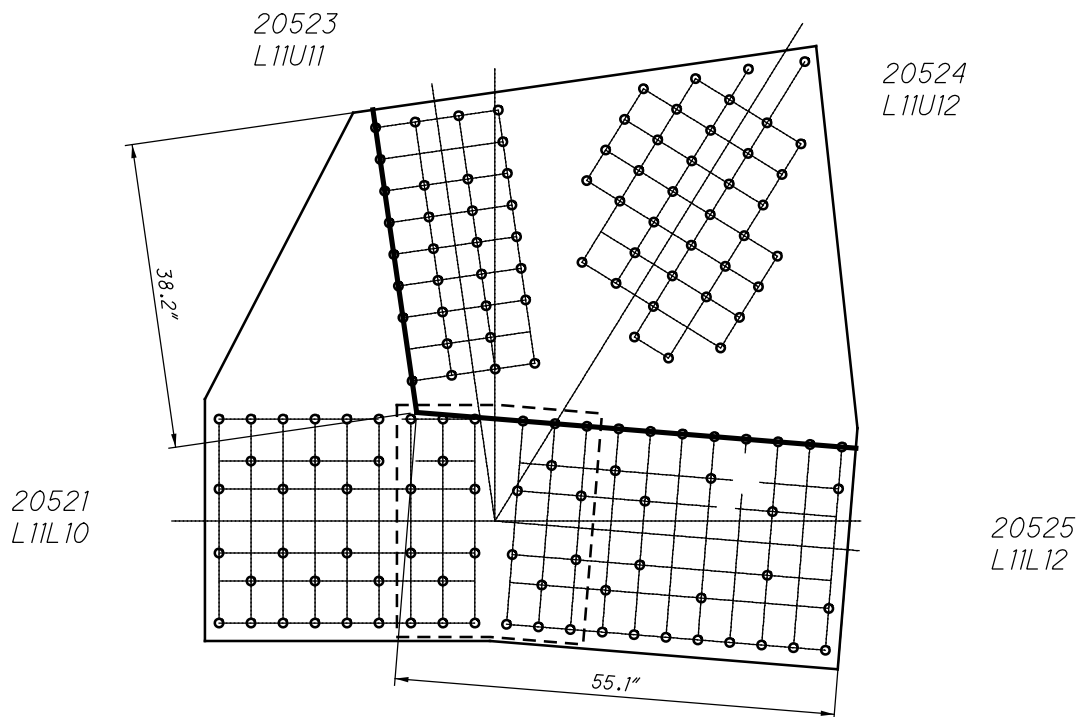
12 SPLICE P
x 2 PLATES
=24 RIVETS



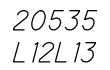
**L52 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



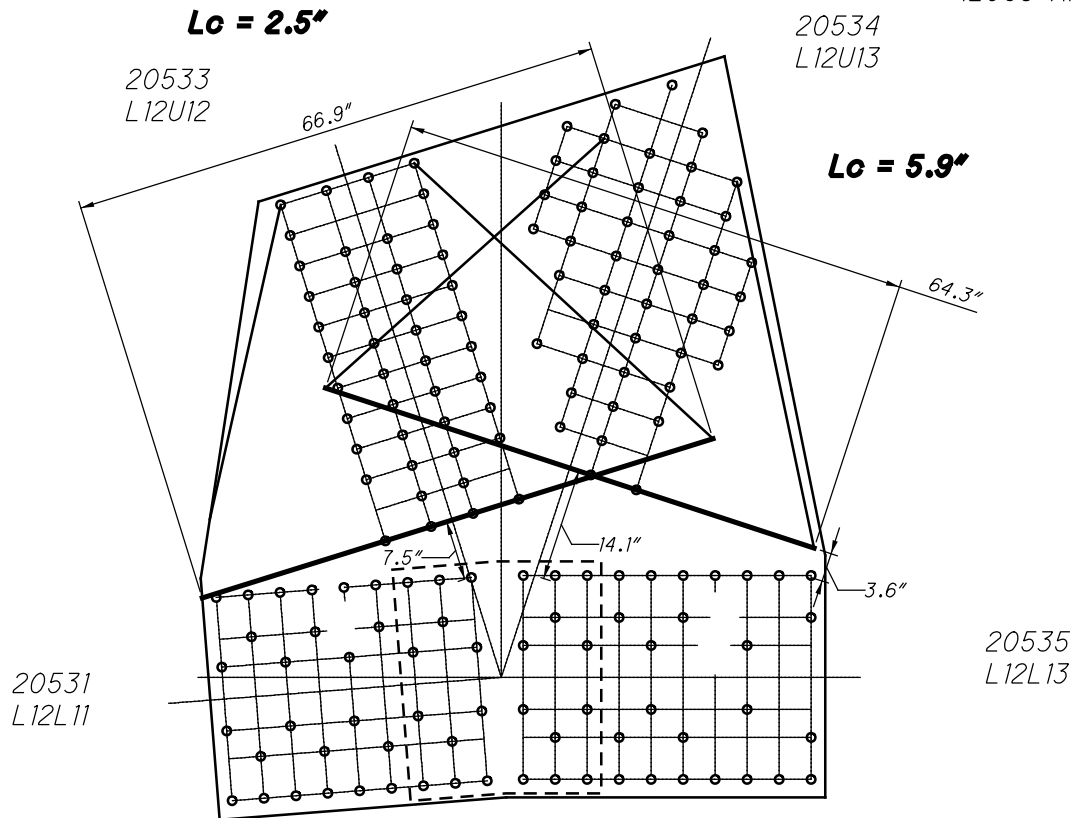
**L52 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



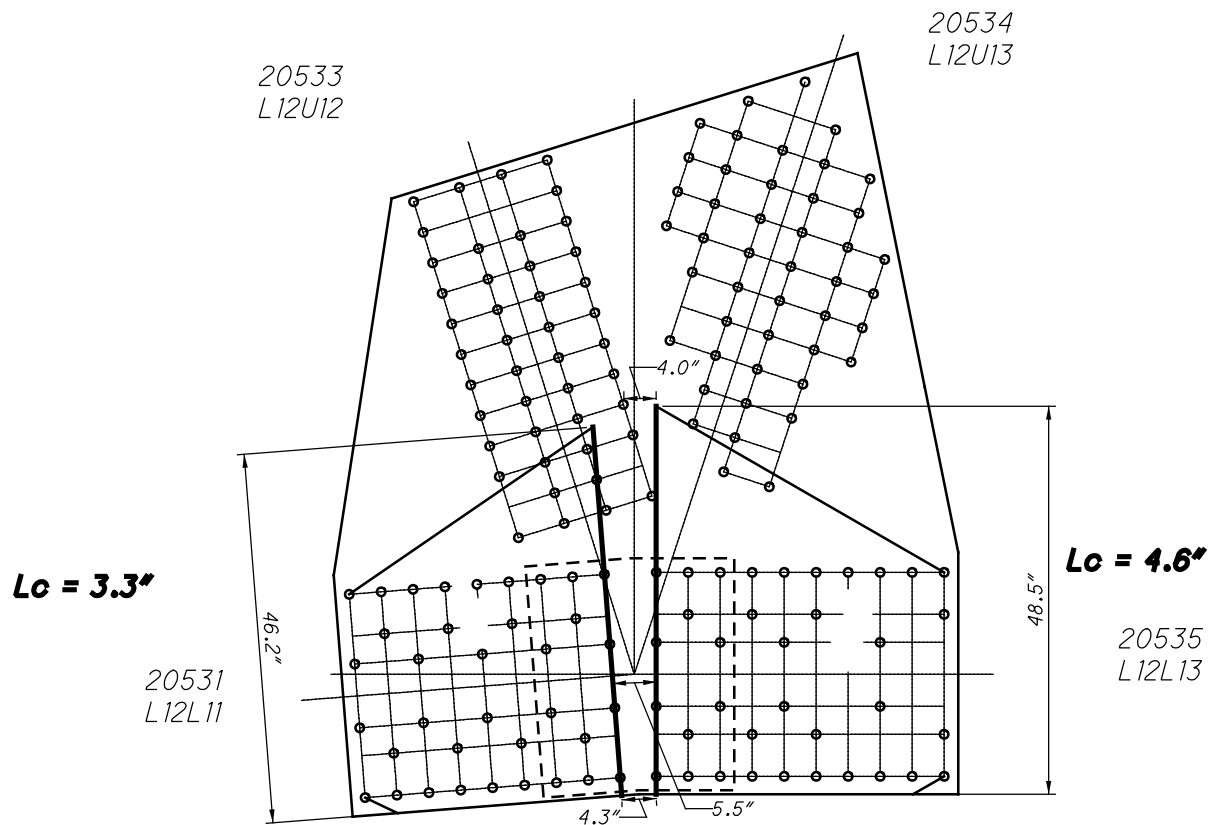
**L52 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L53 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



**L53 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L53 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

44 RIVETS
x 2 PLATES
 =88 RIVETS

20533
 L12U12

12053 AND 42053

37 RIVETS
x 2 PLATES
 =74 RIVETS

36 RIVETS
x 2 PLATES
 =72 RIVETS

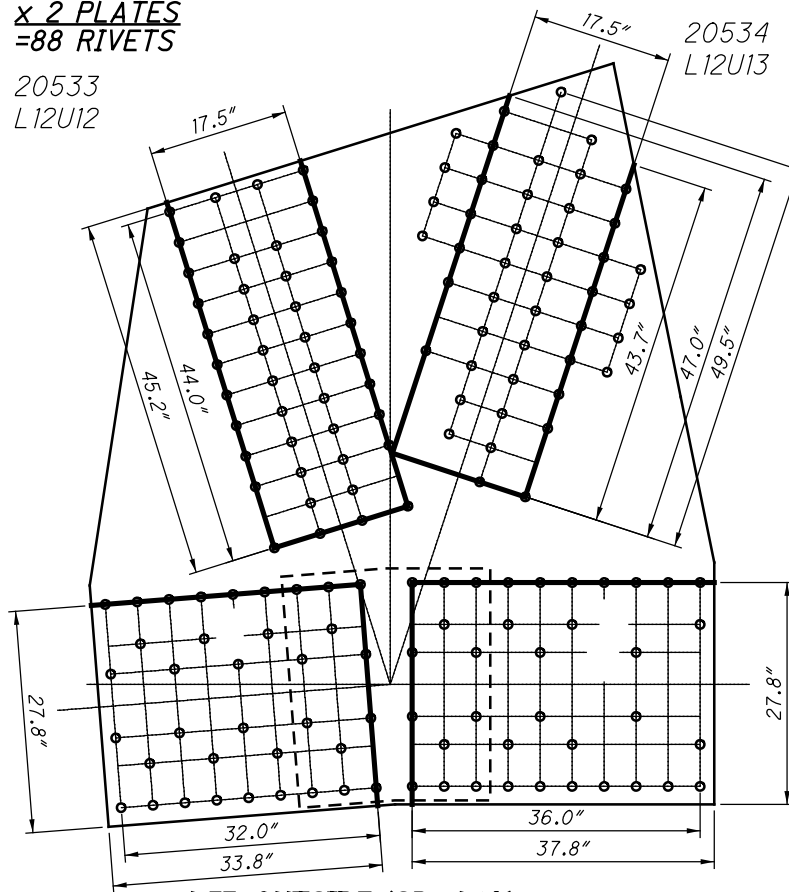
20531
 L12L11

12 SPLICE P
x 2 PLATES
 =24 RIVETS

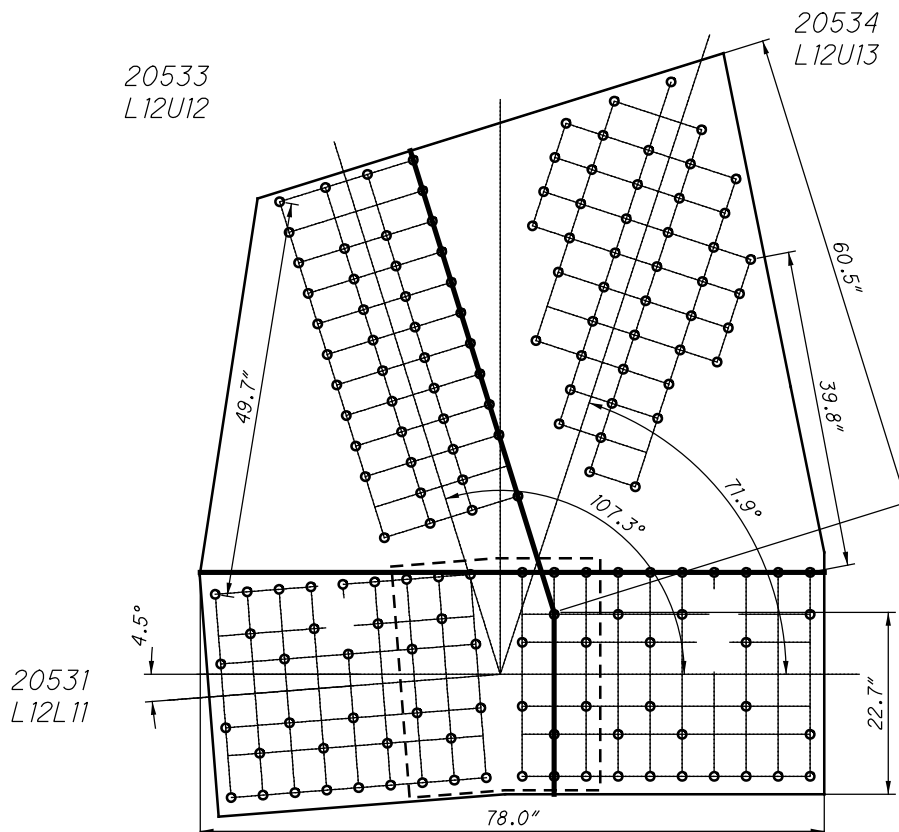
36 RIVETS
x 2 PLATES
 =72 RIVETS

20535
 L12L13

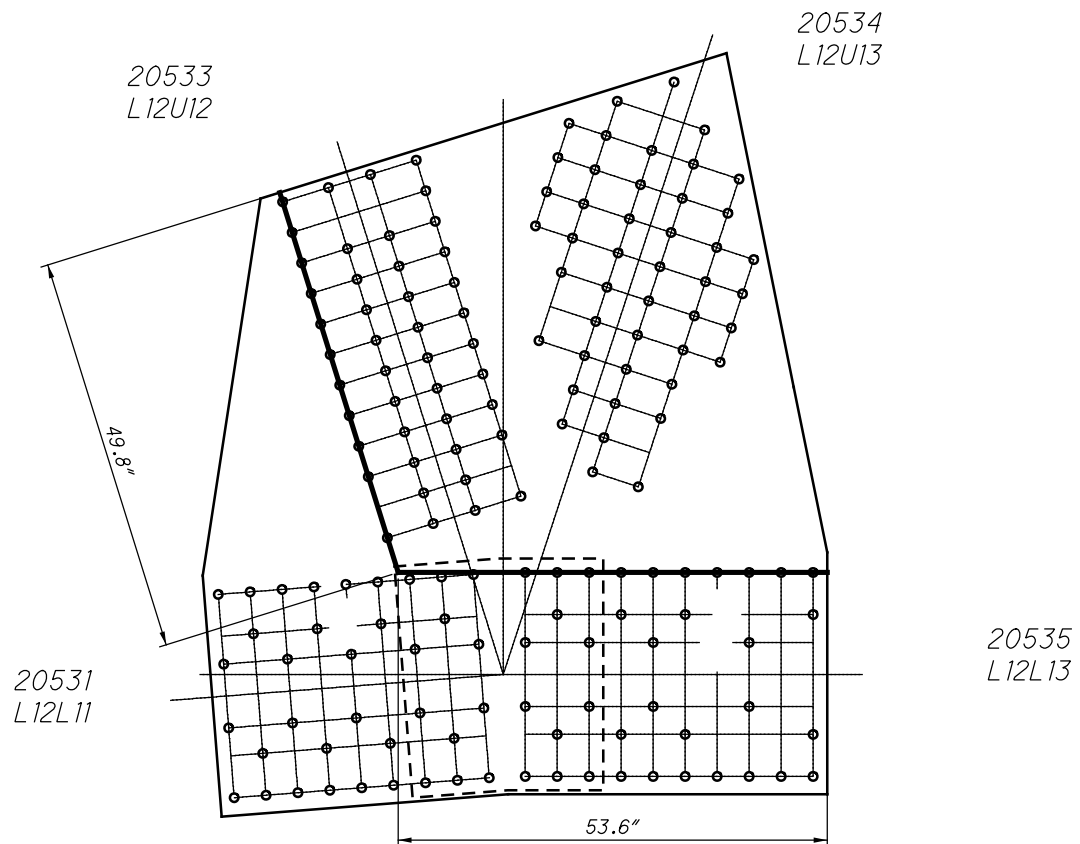
12 SPLICE P
x 2 PLATES
 =24 RIVETS



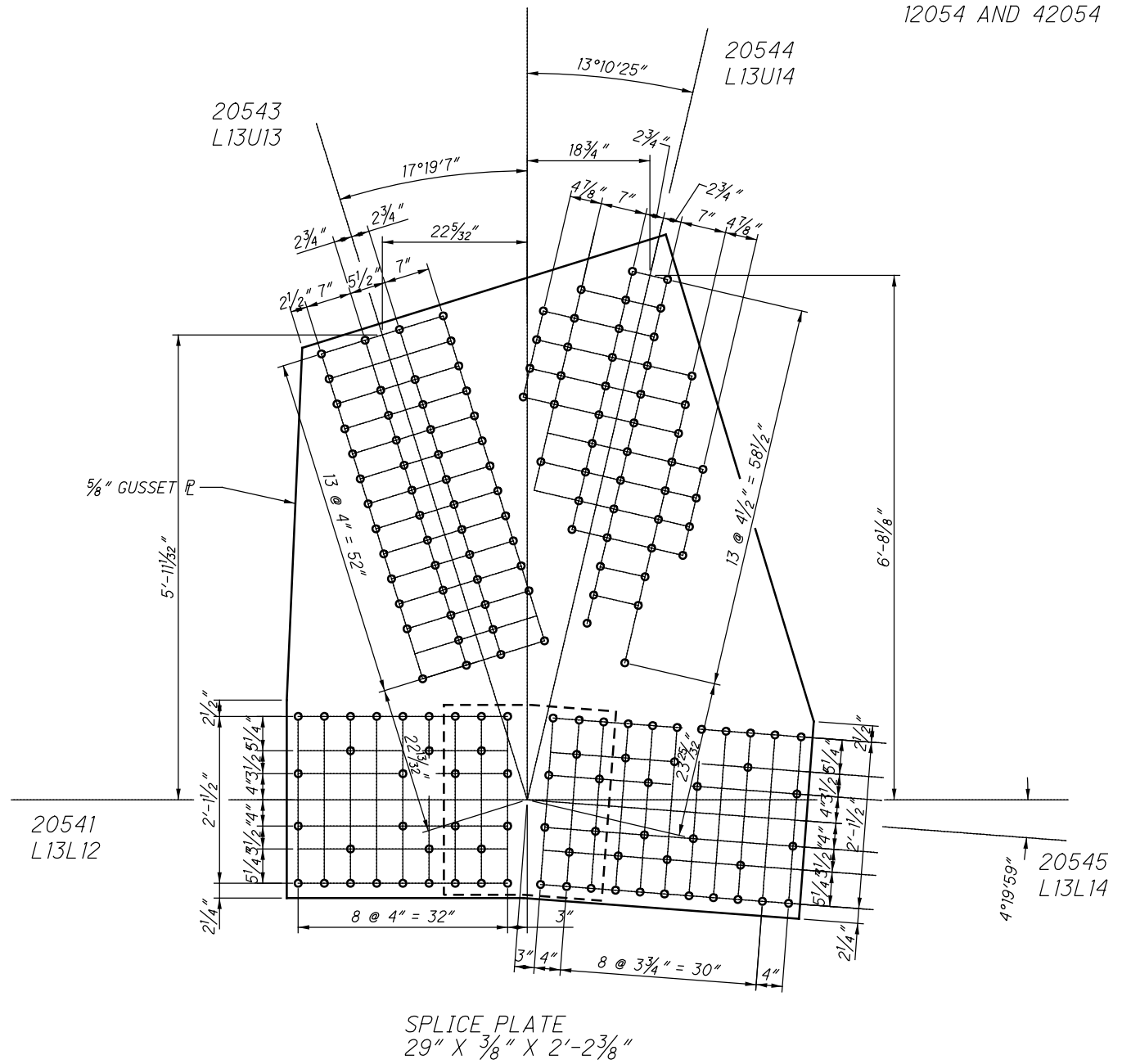
**L53 OUTSIDE (SPAN 10)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**



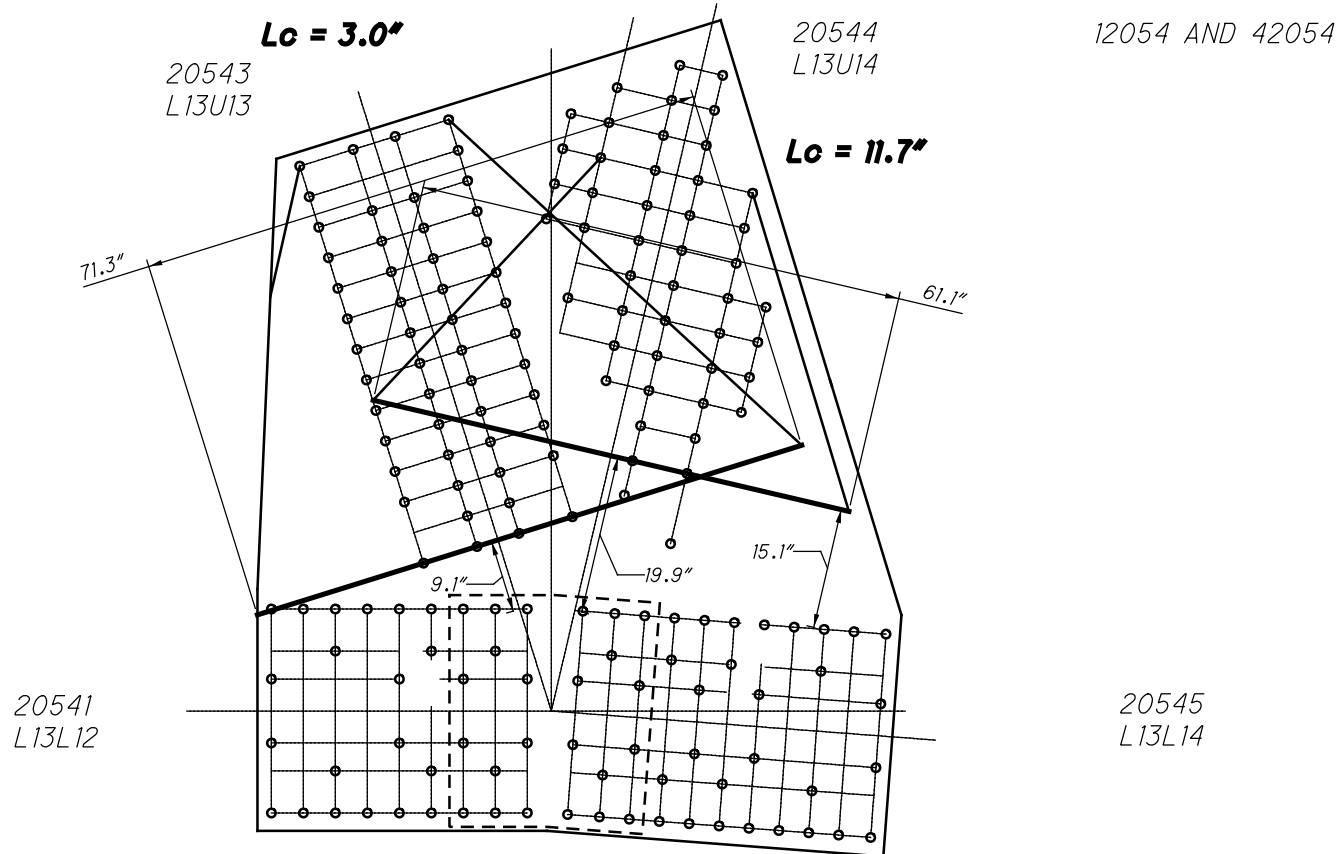
**L53 OUTSIDE (SPAN 10)
 SHEAR AND FREE EDGE CHECK**



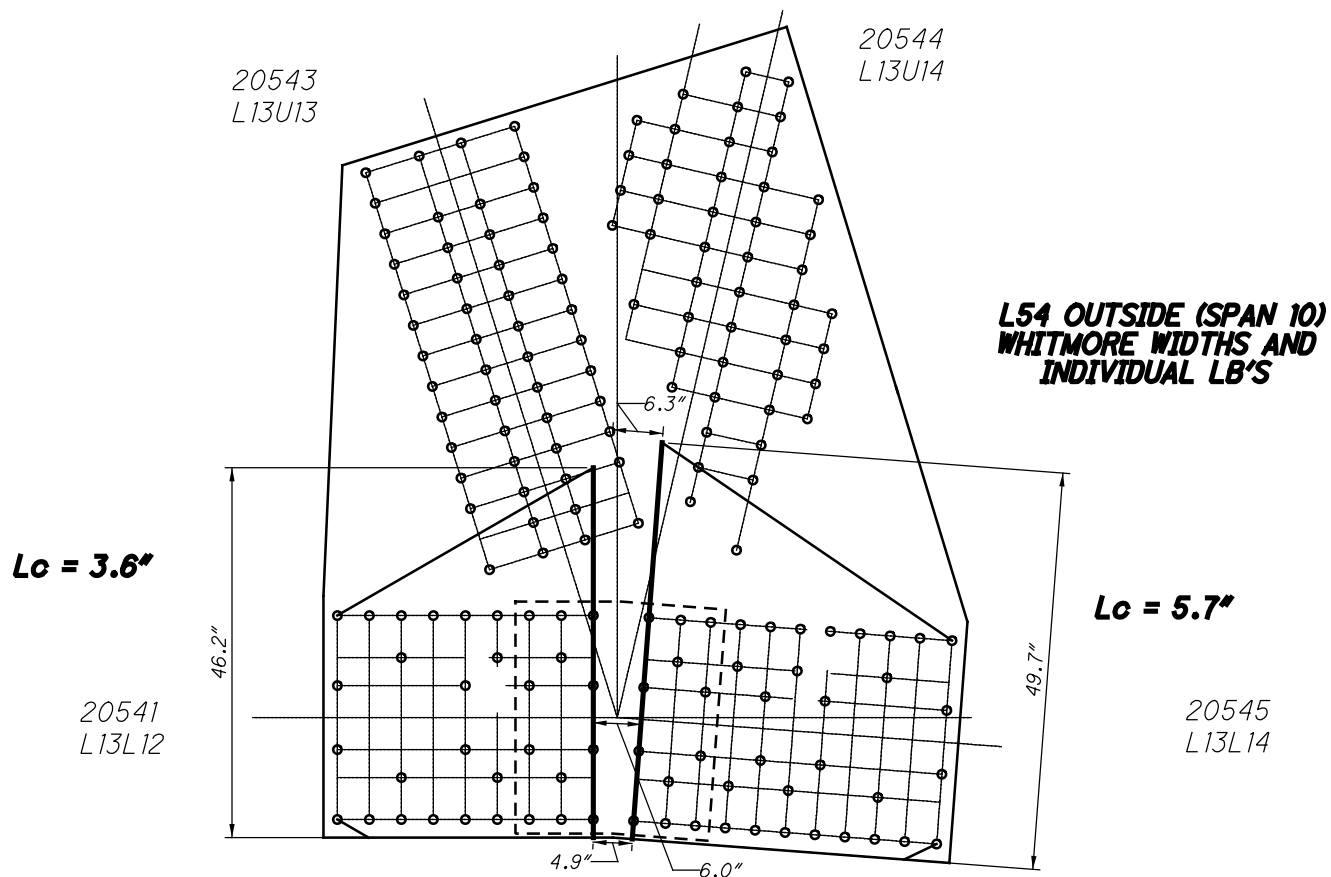
**L53 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L54 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



**L54 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



52 RIVETS
x 2 PLATES
=104 RIVETS

20543
L13U13

12054 AND 42054

37 RIVETS
x 2 PLATES
=74 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

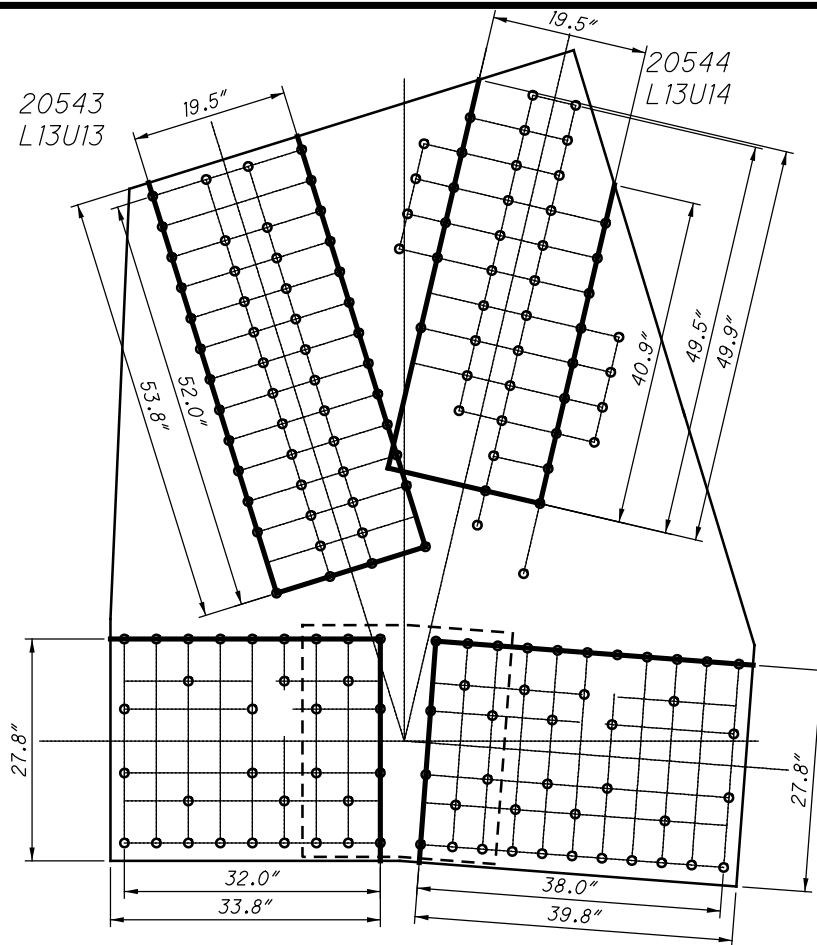
20541
L13L12

12 SPLICE P
x 2 PLATES
=24 RIVETS

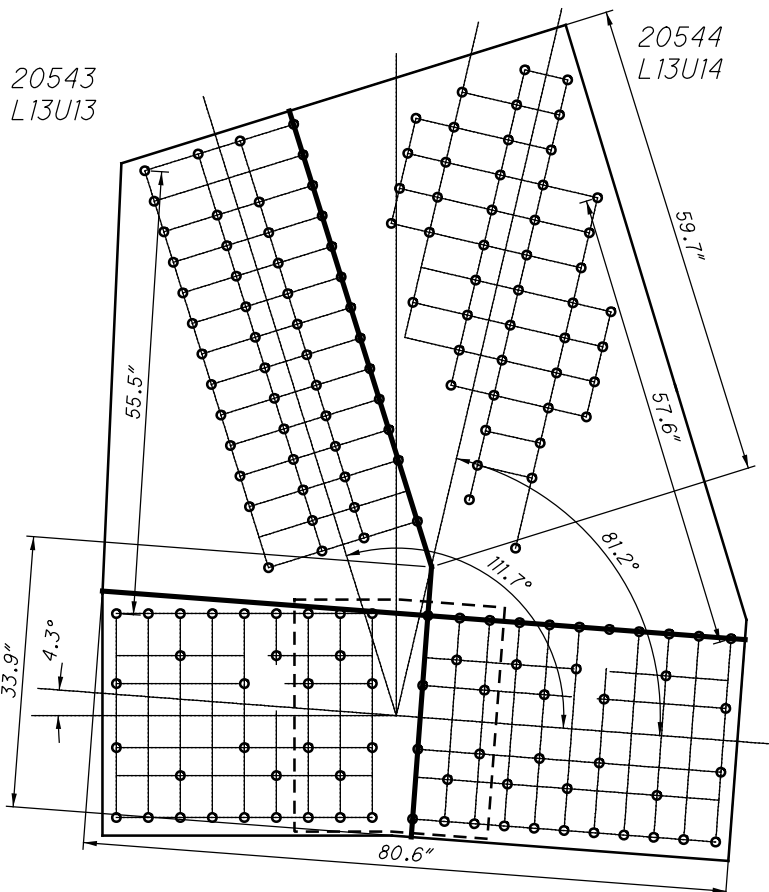
40 RIVETS
x 2 PLATES
=80 RIVETS

20545
L13L14

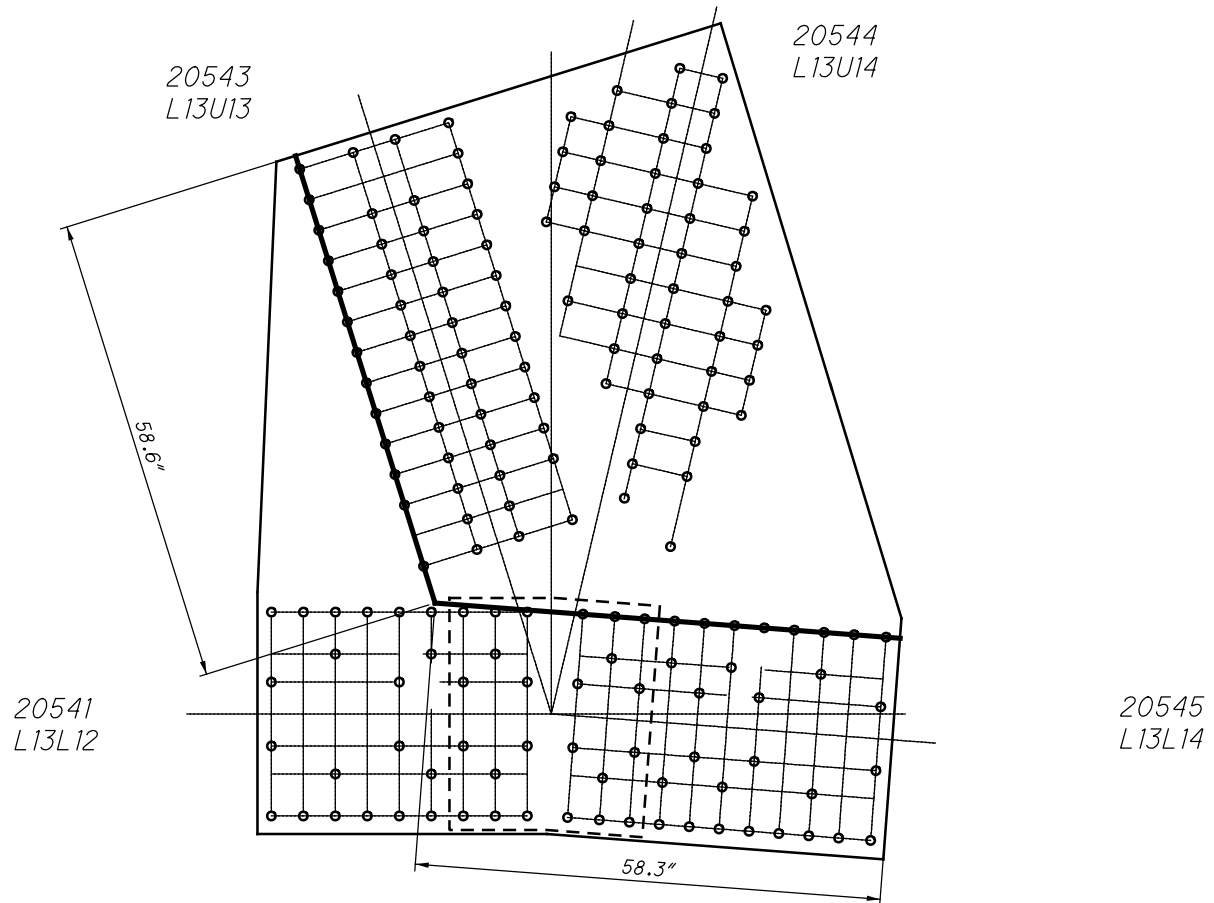
12 SPLICE P
x 2 PLATES
=24 RIVETS



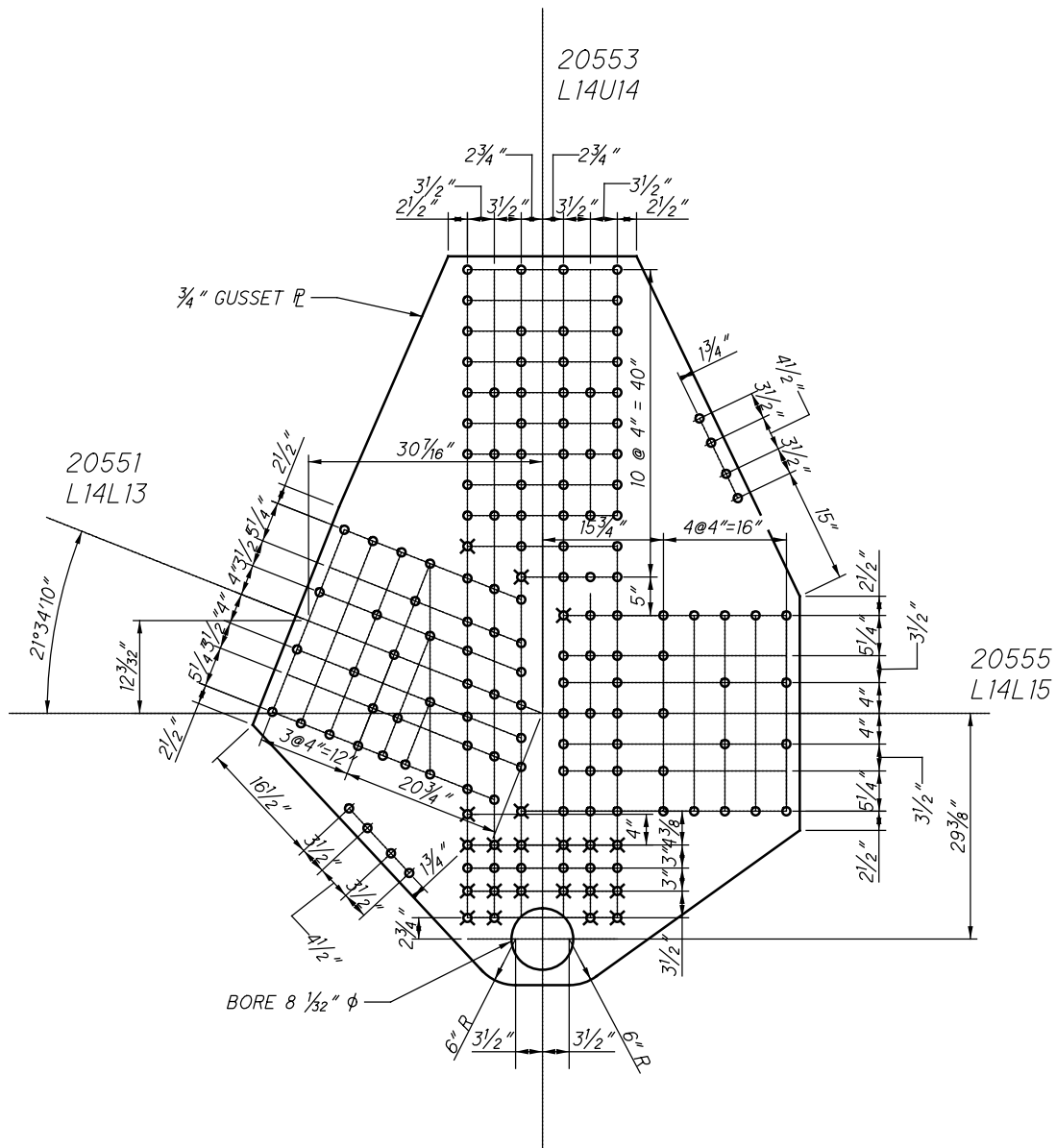
**L54 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L54 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



**L54 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



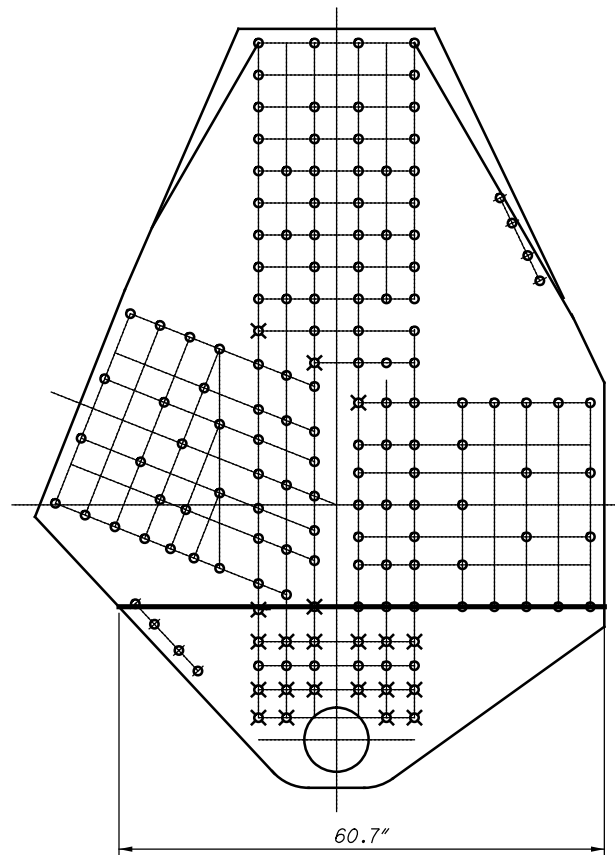
**L55 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

20553
L14U14

12055 AND 42055

20551
L14L13

20555
L14L15



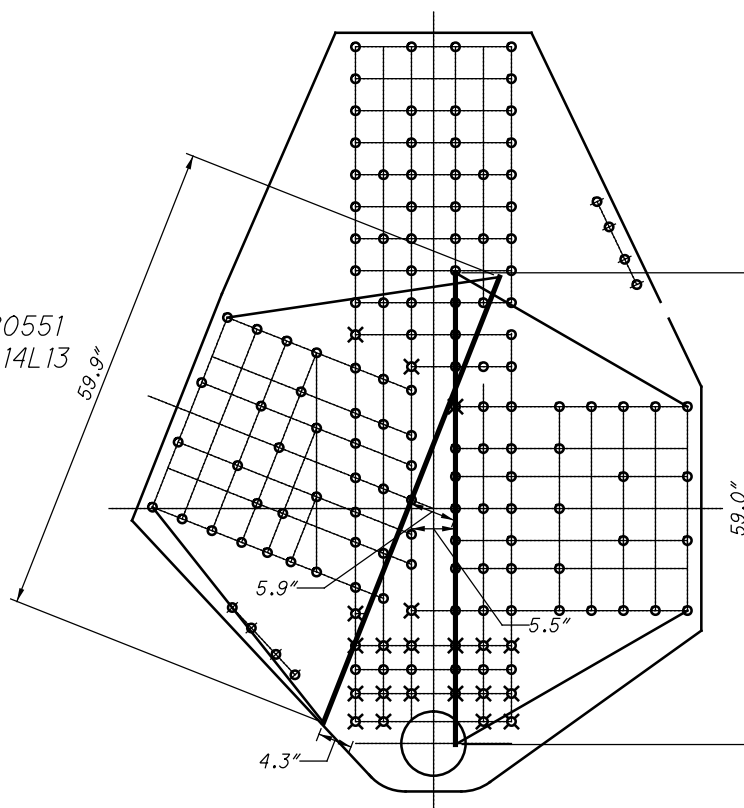
**L55 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20553
L14U14

20551
L14L13

20555
L14L15

$L_c = 3.4"$



$L_c = 1.8"$

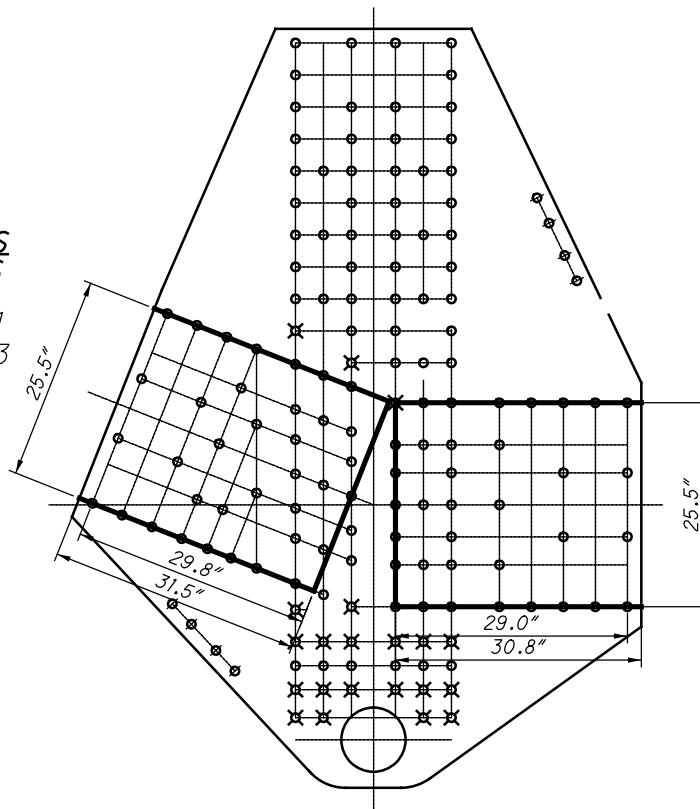
**L55 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

20553
L14U14

12055 AND 42055

36 RIVETS
x 2 PLATES
= 72 RIVETS

20551
L14L13



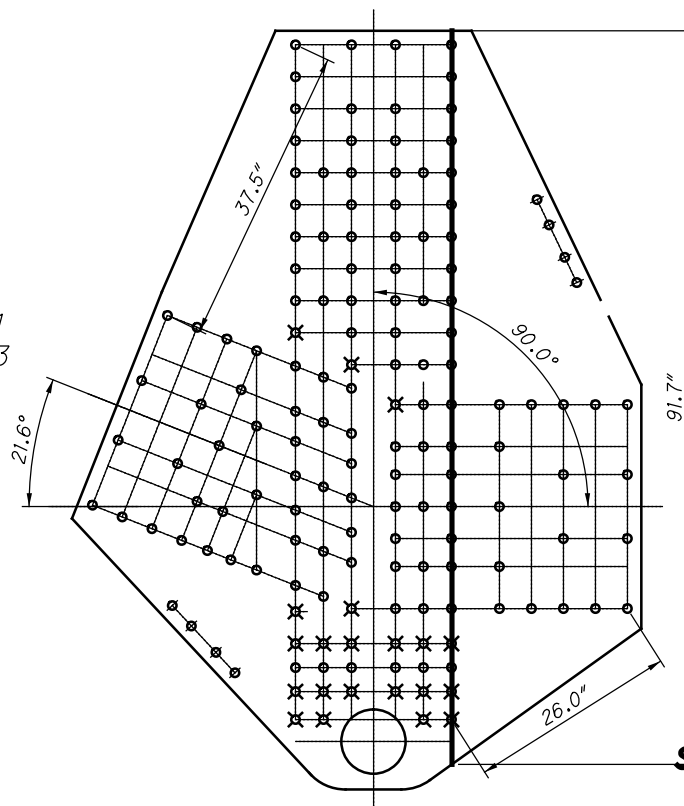
20555
L14L15

36 RIVETS
x 2 PLATES
= 72 RIVETS

**L55 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

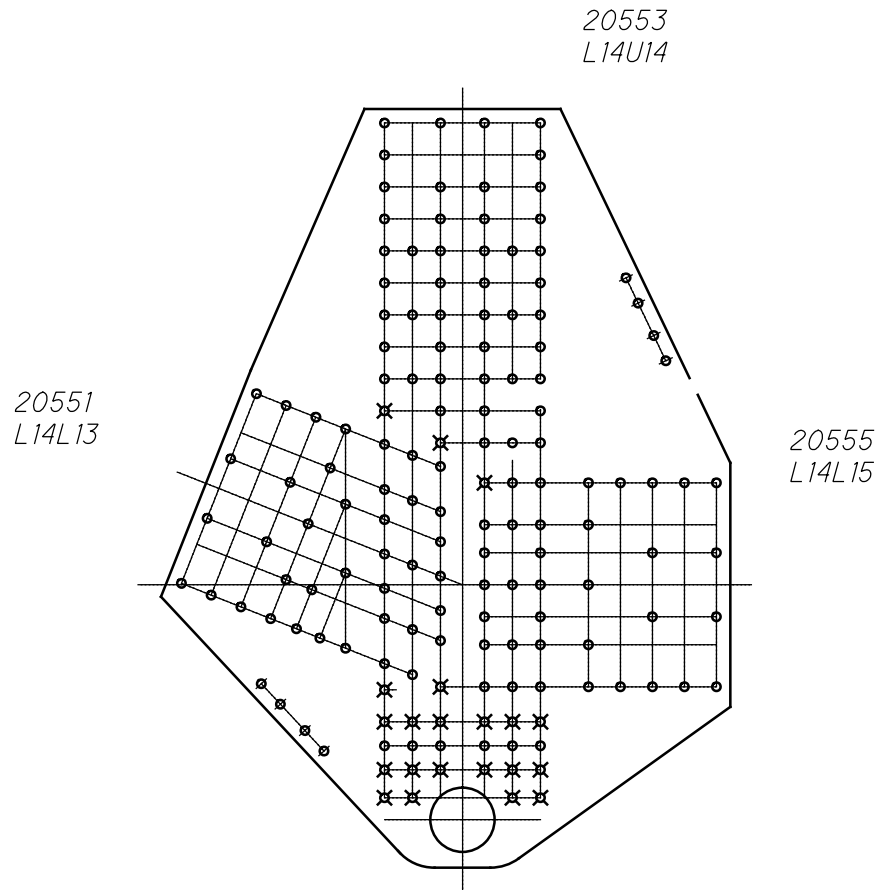
20553
L14U14

20551
L14L13

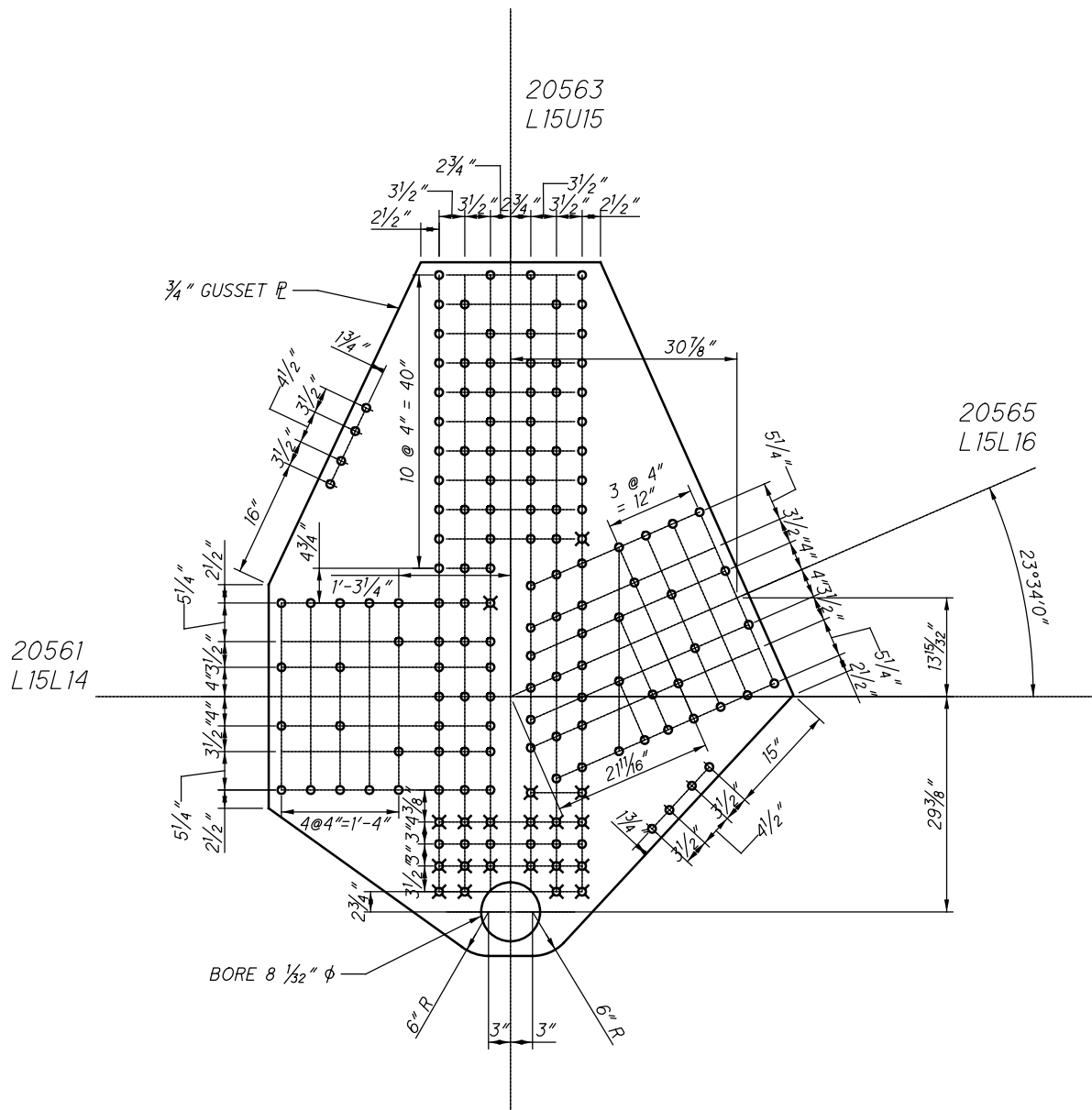


20555
L14L15

**L55 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



**L55 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



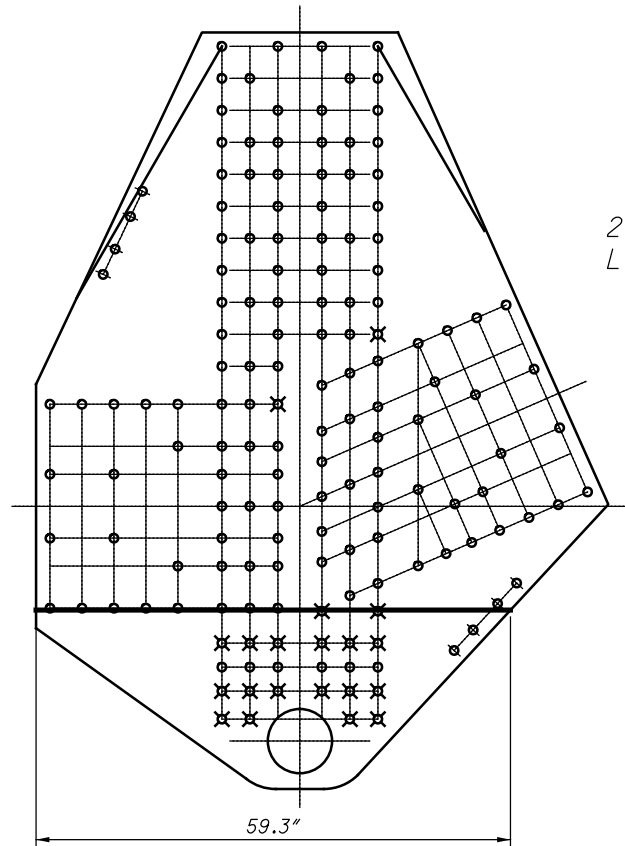
**L56 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

20563
L15U15

12056 AND 42056

20561
L15L14

20565
L15L16



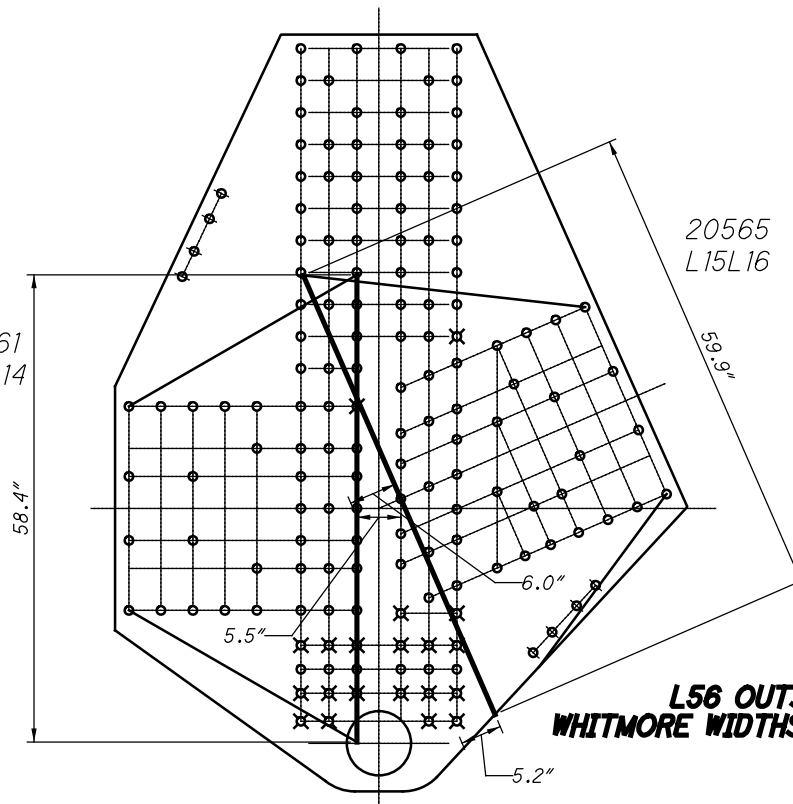
**L56 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20563
L15U15

20561
L15L14

20565
L15L16

$L_c = 1.8"$



$L_c = 3.7"$

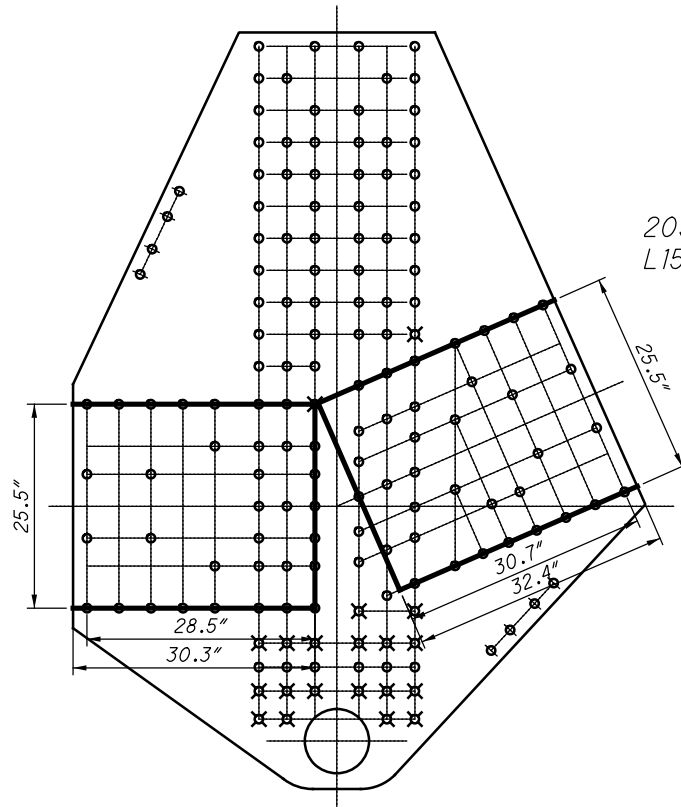
**L56 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20563
L15U15

12056 AND 42056

20561
L15L14

35 RIVETS
x 2 PLATES
=70 RIVETS



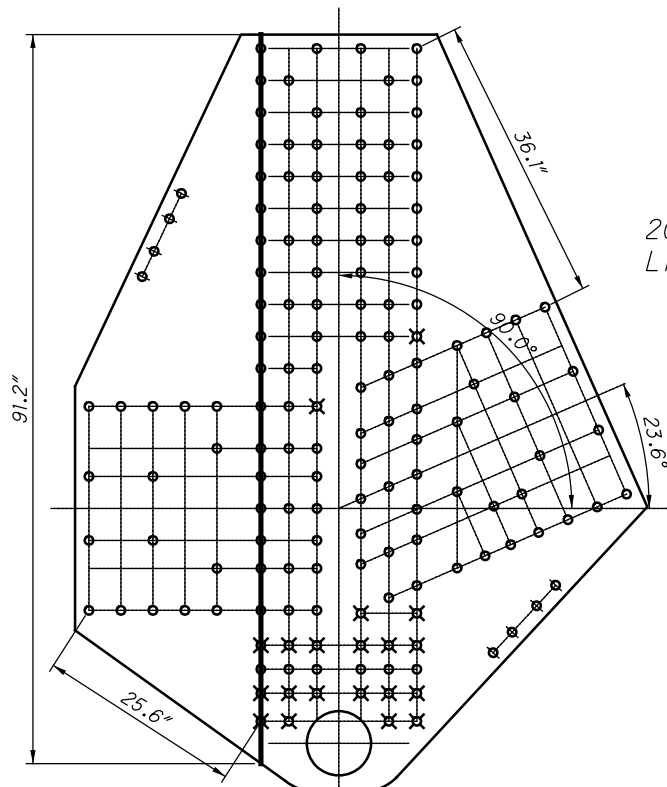
20565
L15L16

35 RIVETS
x 2 PLATES
=70 RIVETS

**L56 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

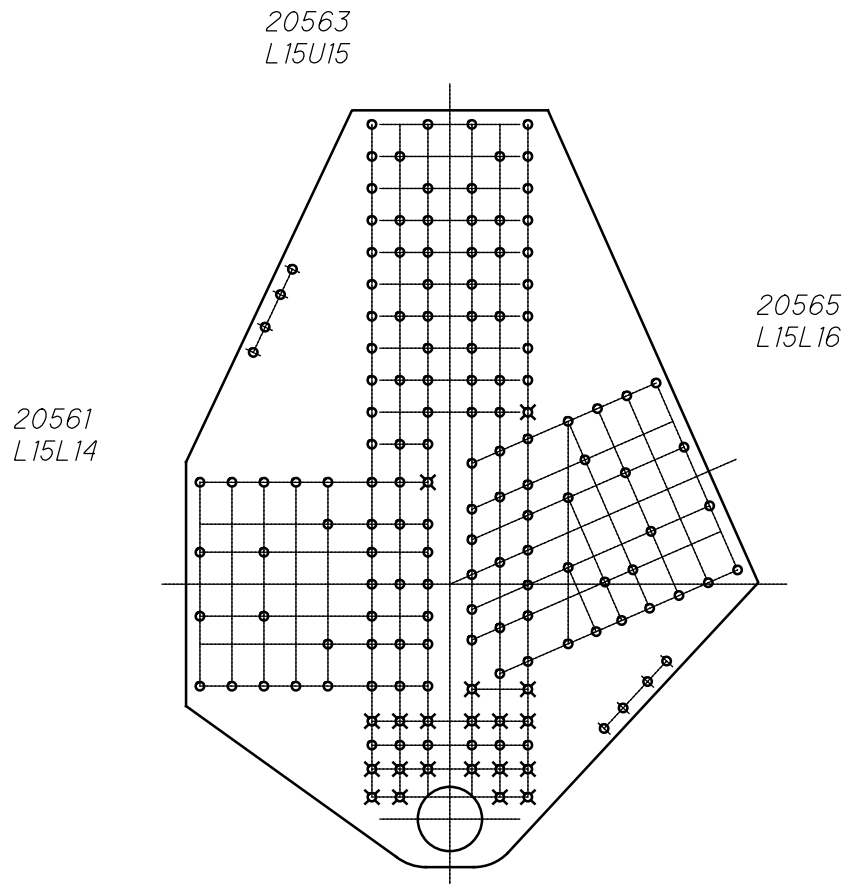
20563
L15U15

20561
L15L14

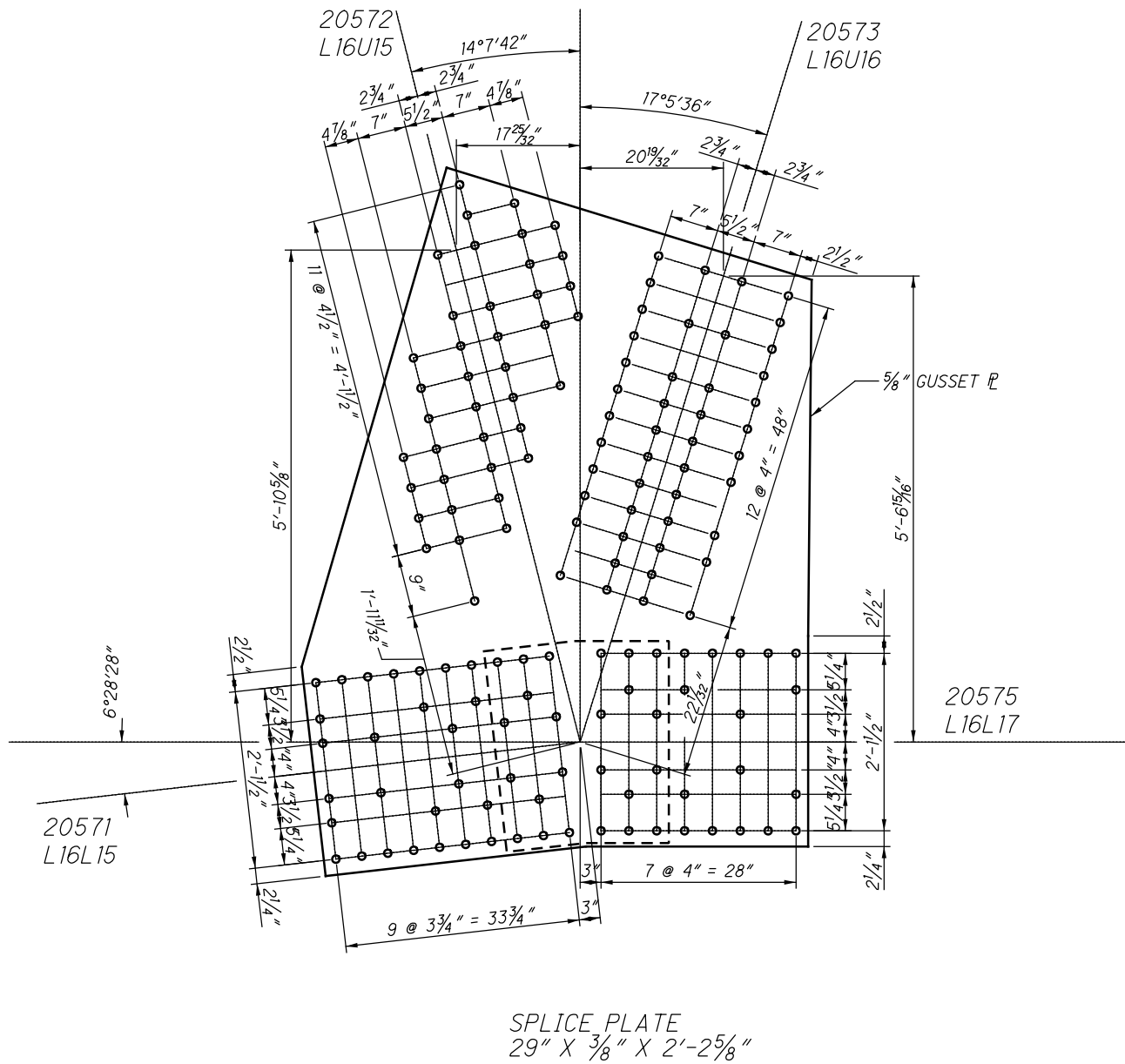


20565
L15L16

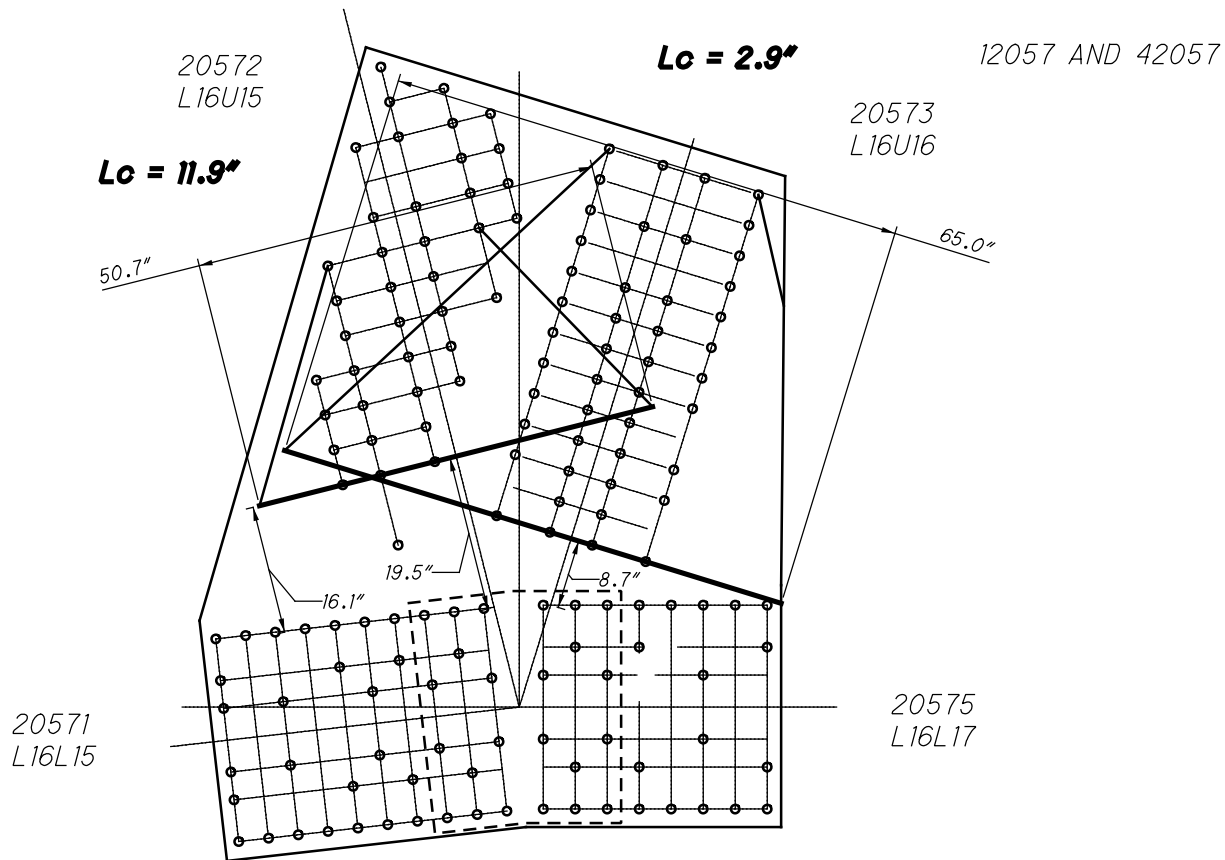
**L56 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



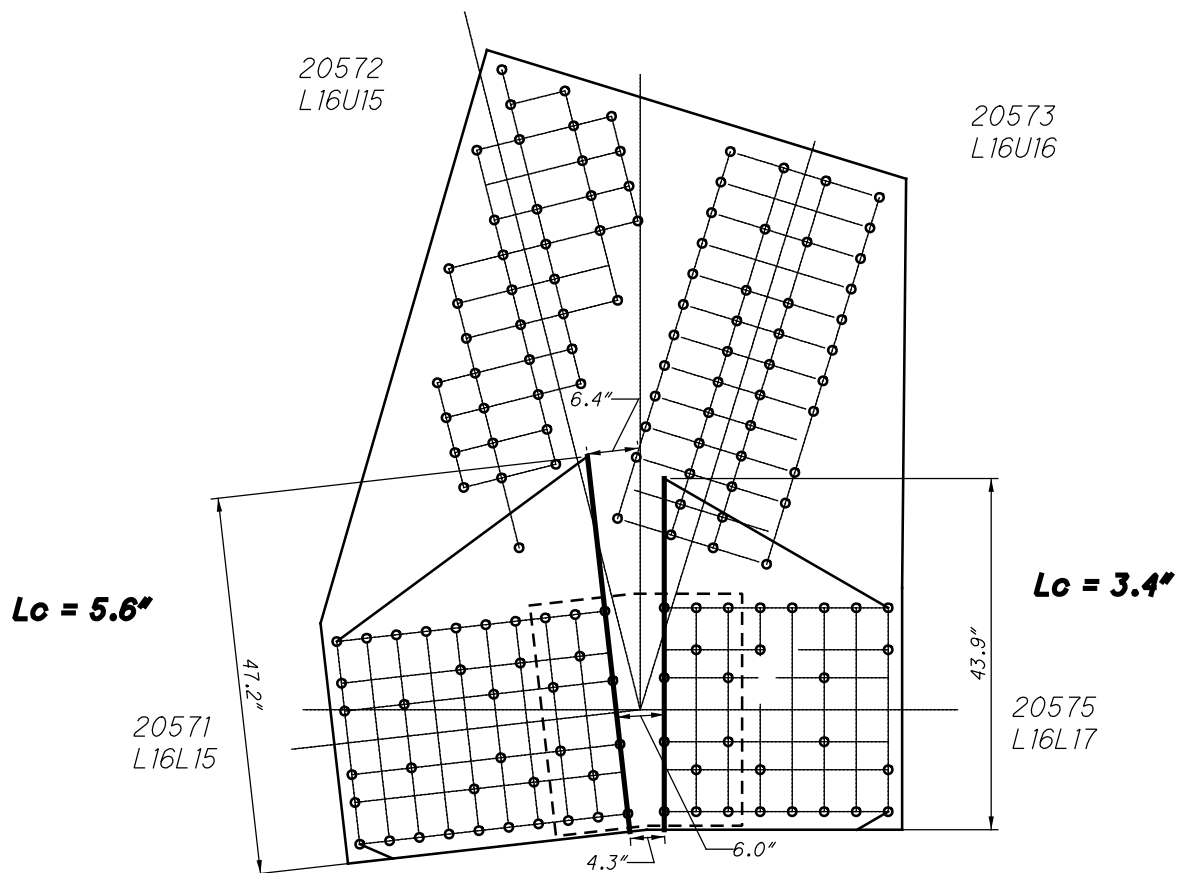
**L56 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L57 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**



**L57 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L57 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

31 RIVETS
x 2 PLATES
=62 RIVETS

20572
L16U15

12057 AND 42057

20573
L16U16

46 RIVETS
x 2 PLATES
=92 RIVETS

38 RIVETS
x 2 PLATES
=76 RIVETS

20571
L16L15

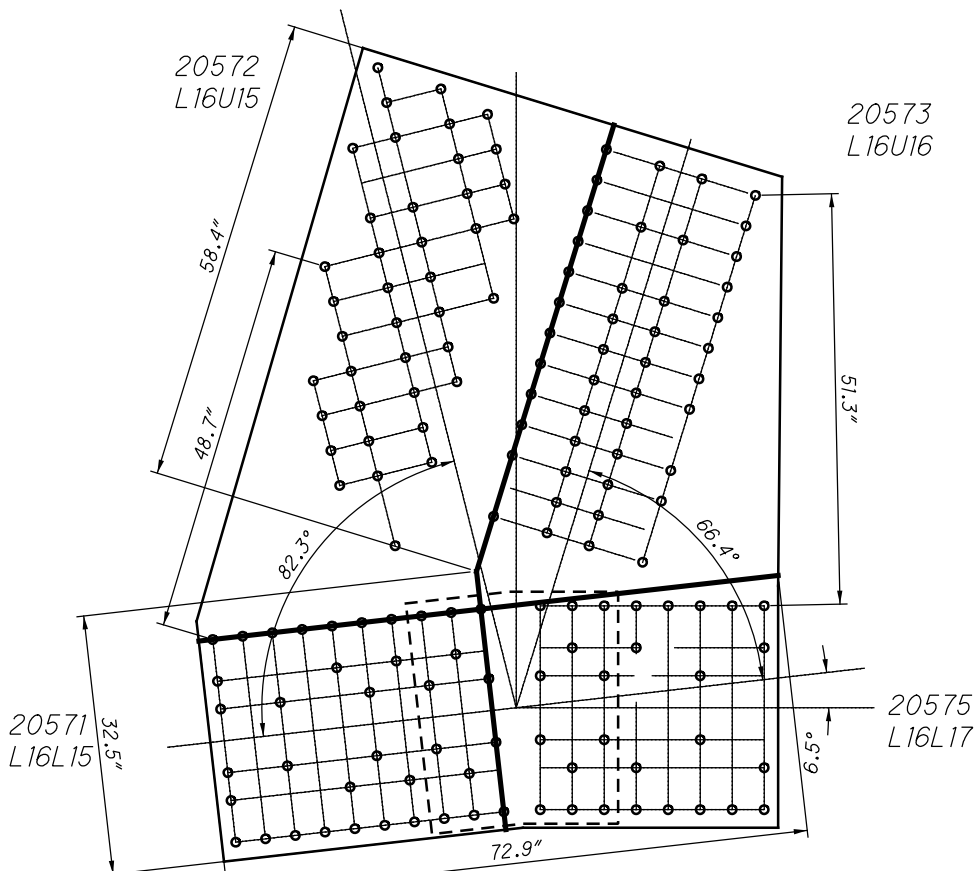
12 SPLICE P
x 2 PLATES
=24 RIVETS

28 RIVETS
x 2 PLATES
=56 RIVETS

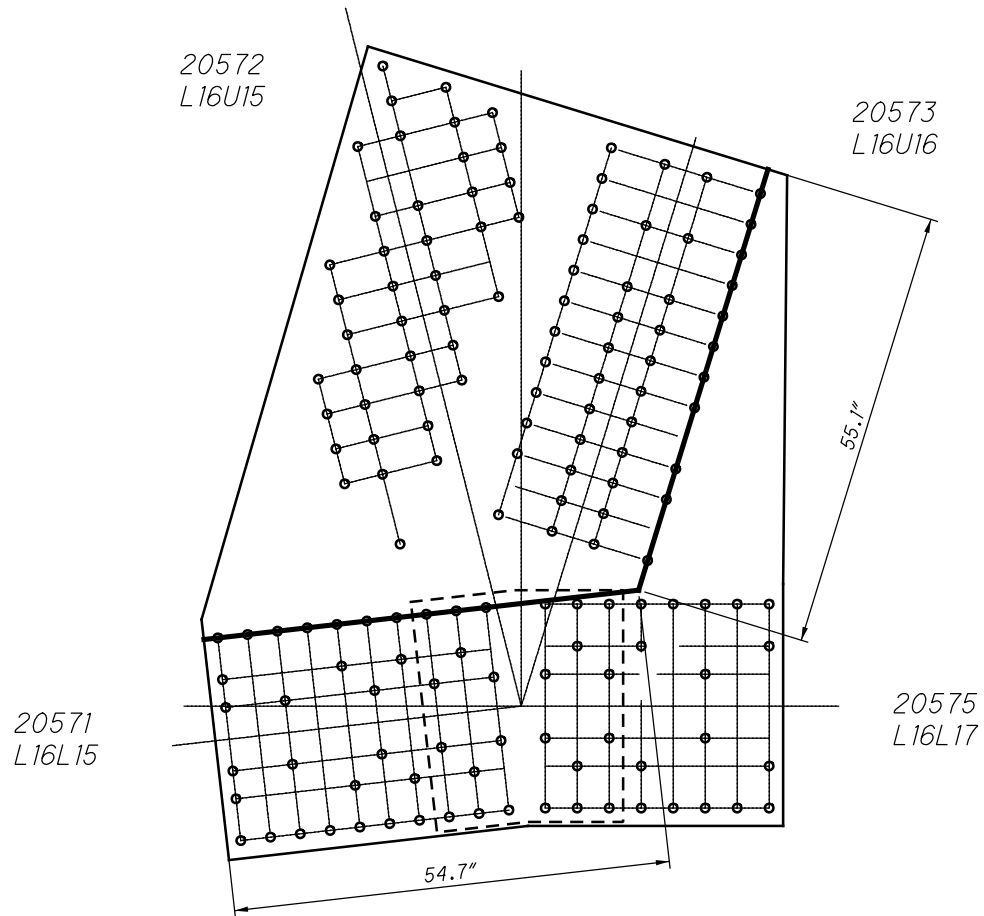
20575
L16L17

12 SPLICE P
x 2 PLATES
=24 RIVETS

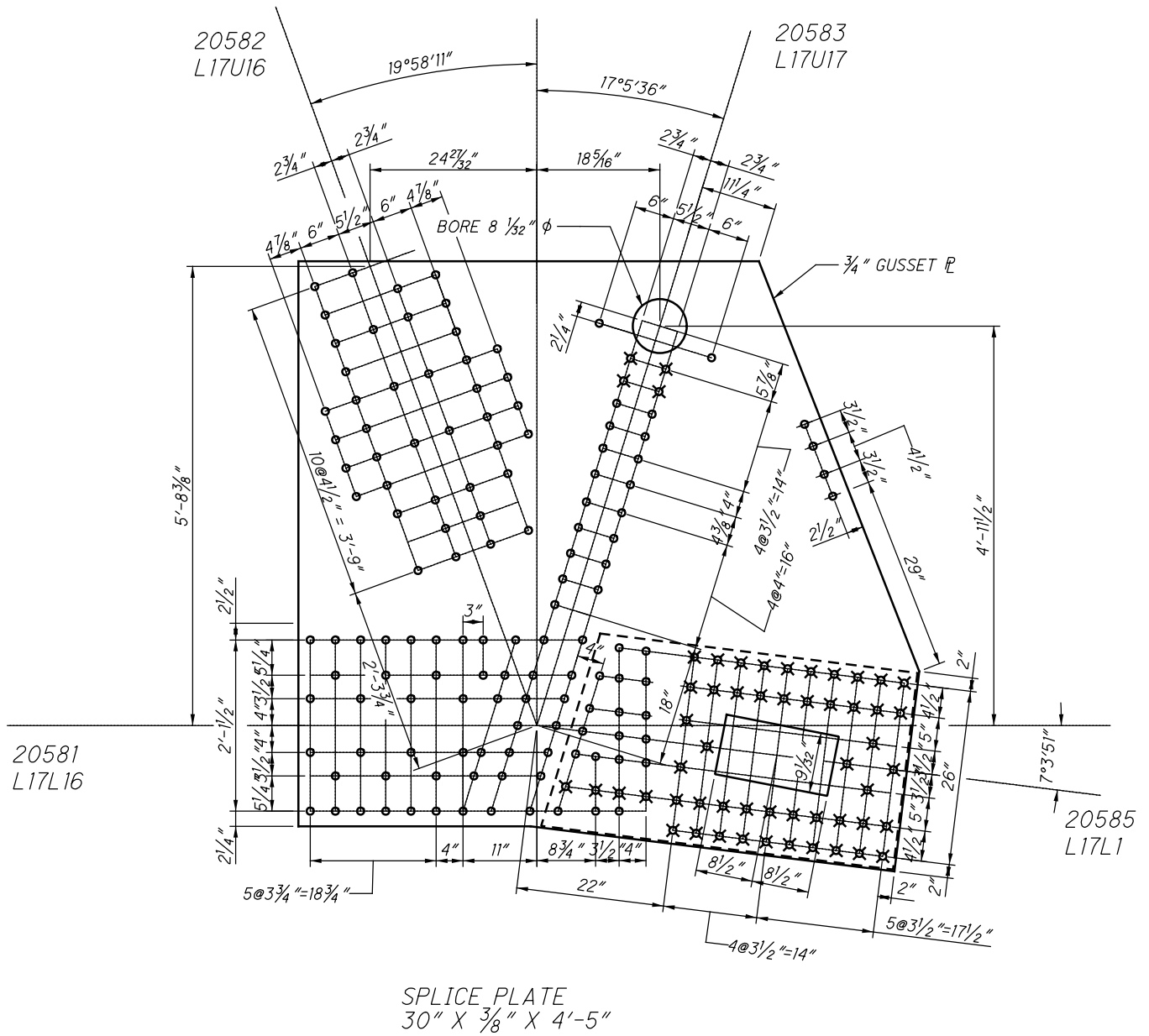
**L57 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



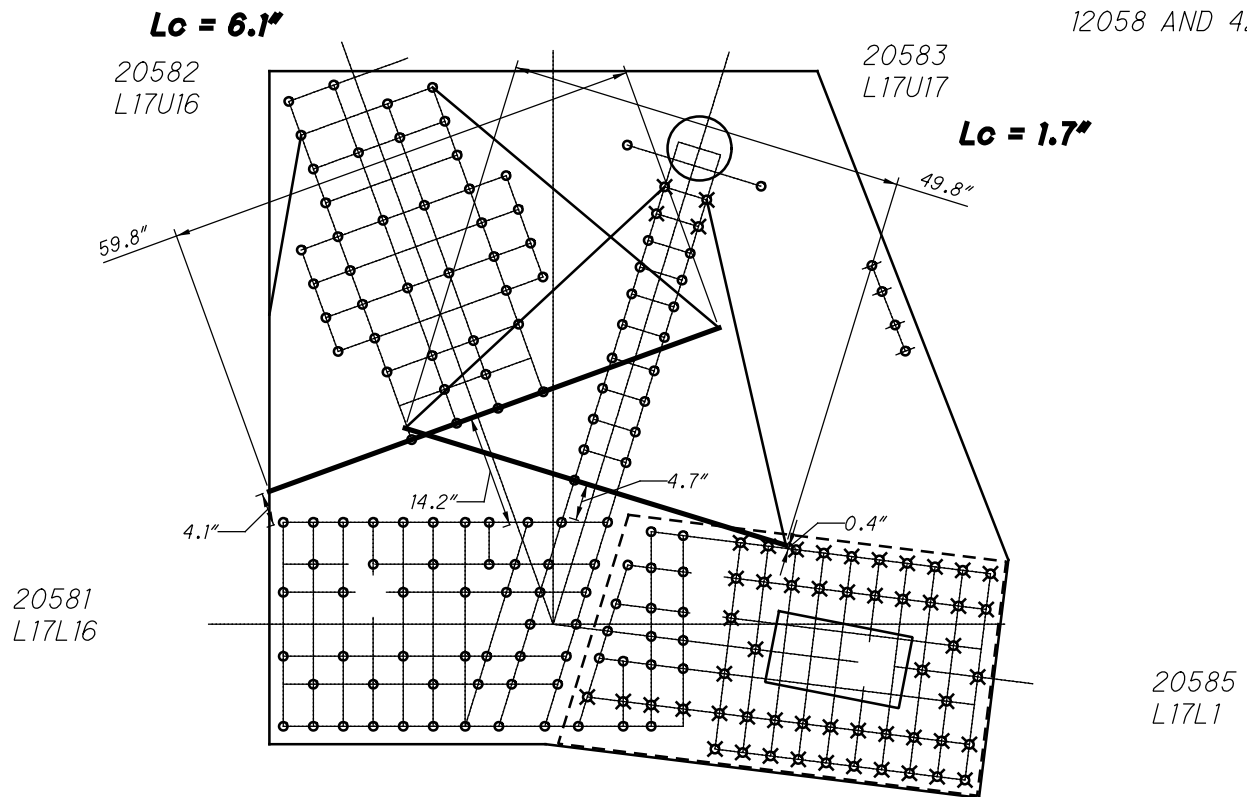
**L57 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



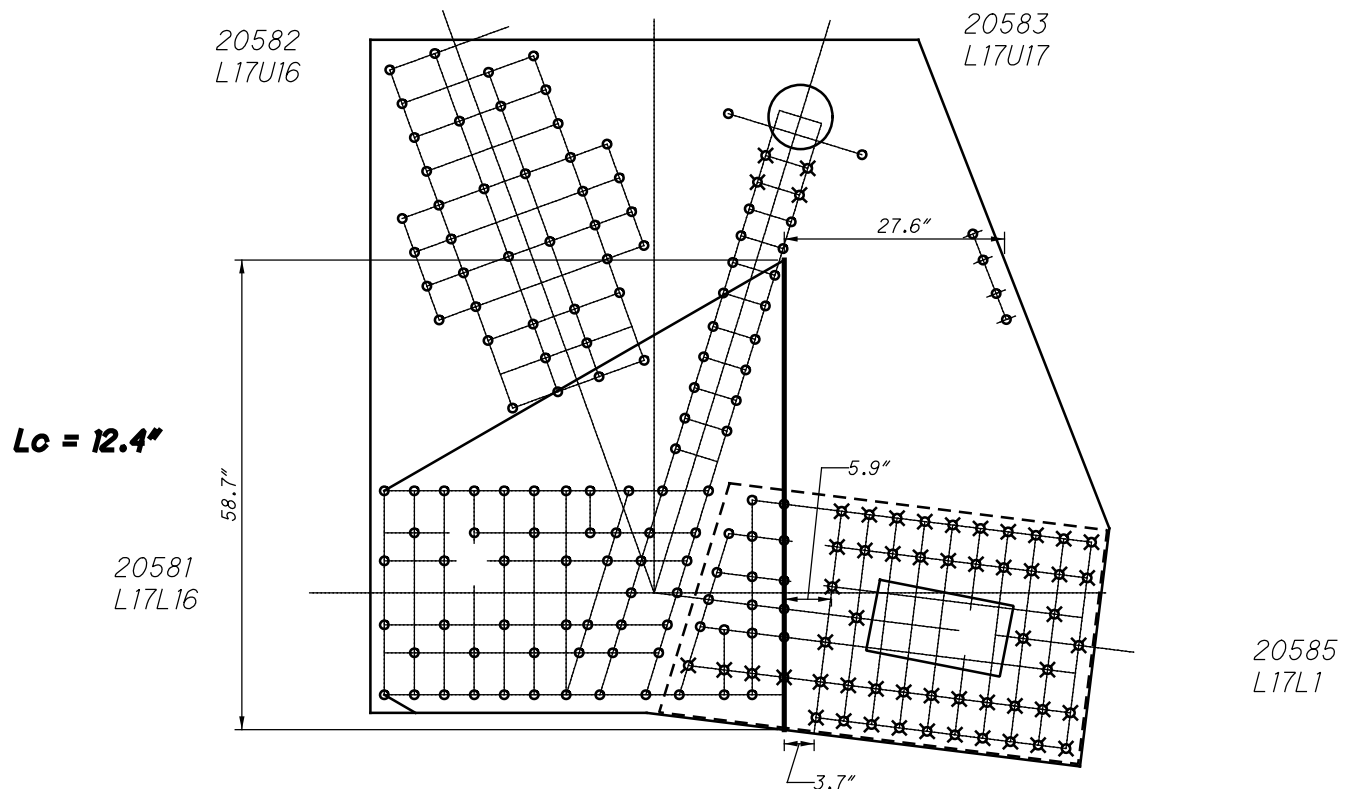
**L57 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**L58 OUTSIDE (SPAN 10)
(NEAR AND FAR SIDE)**

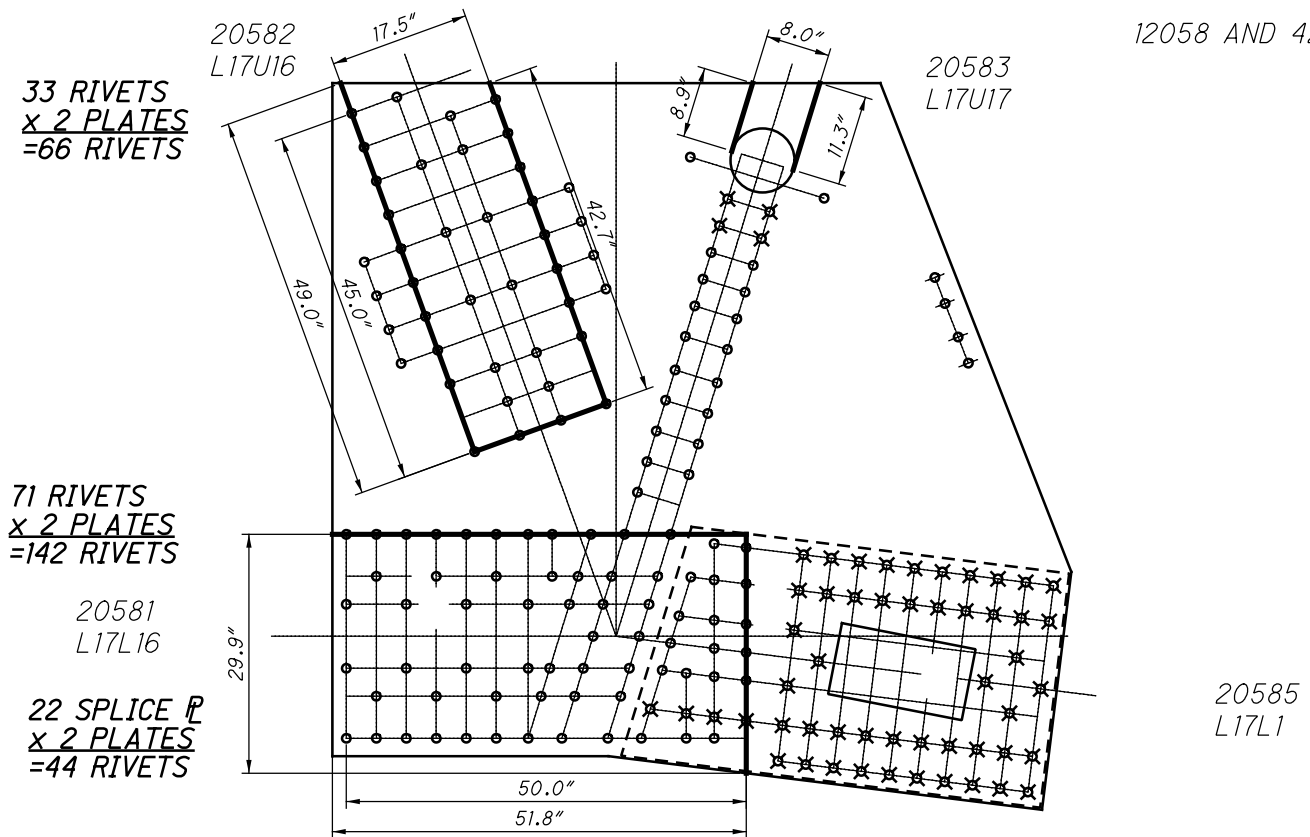


**L58 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

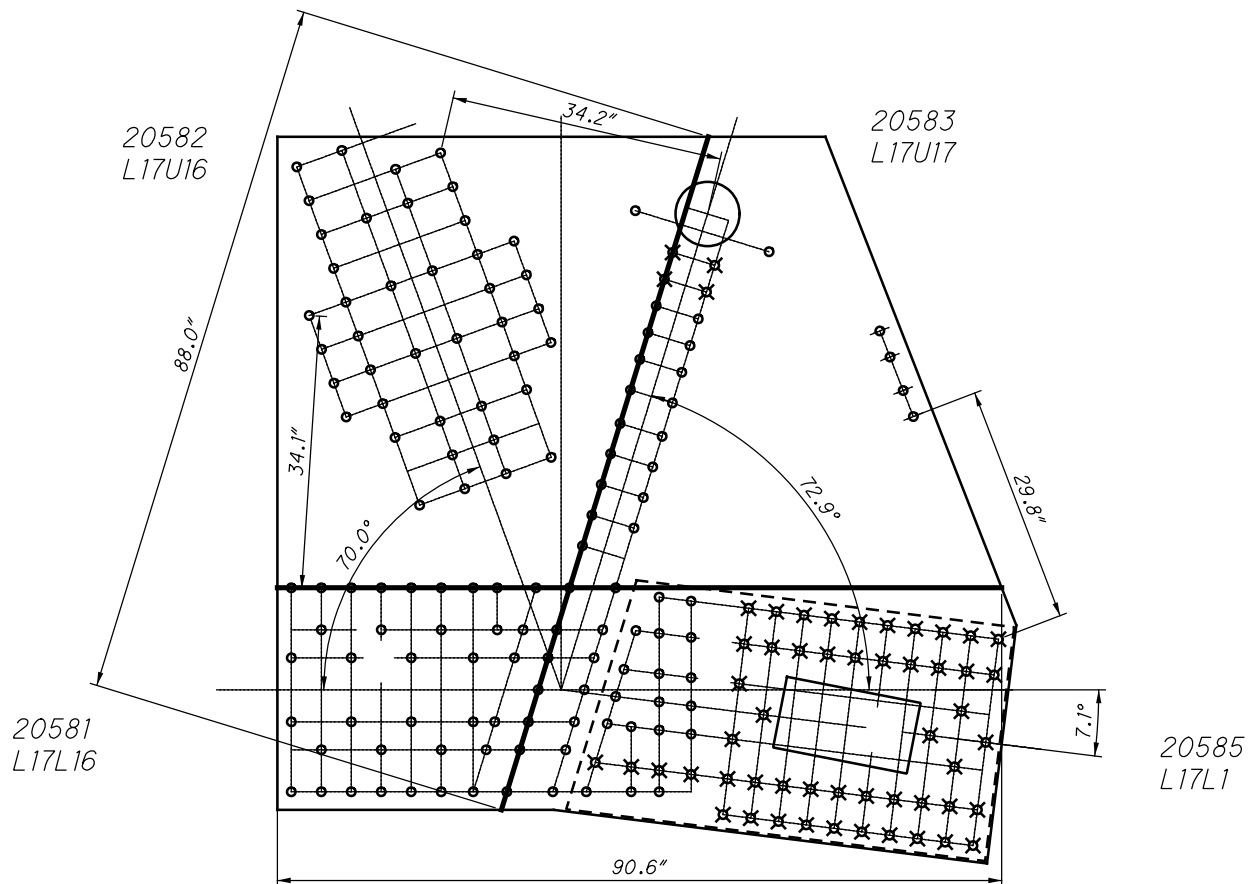


**L58 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

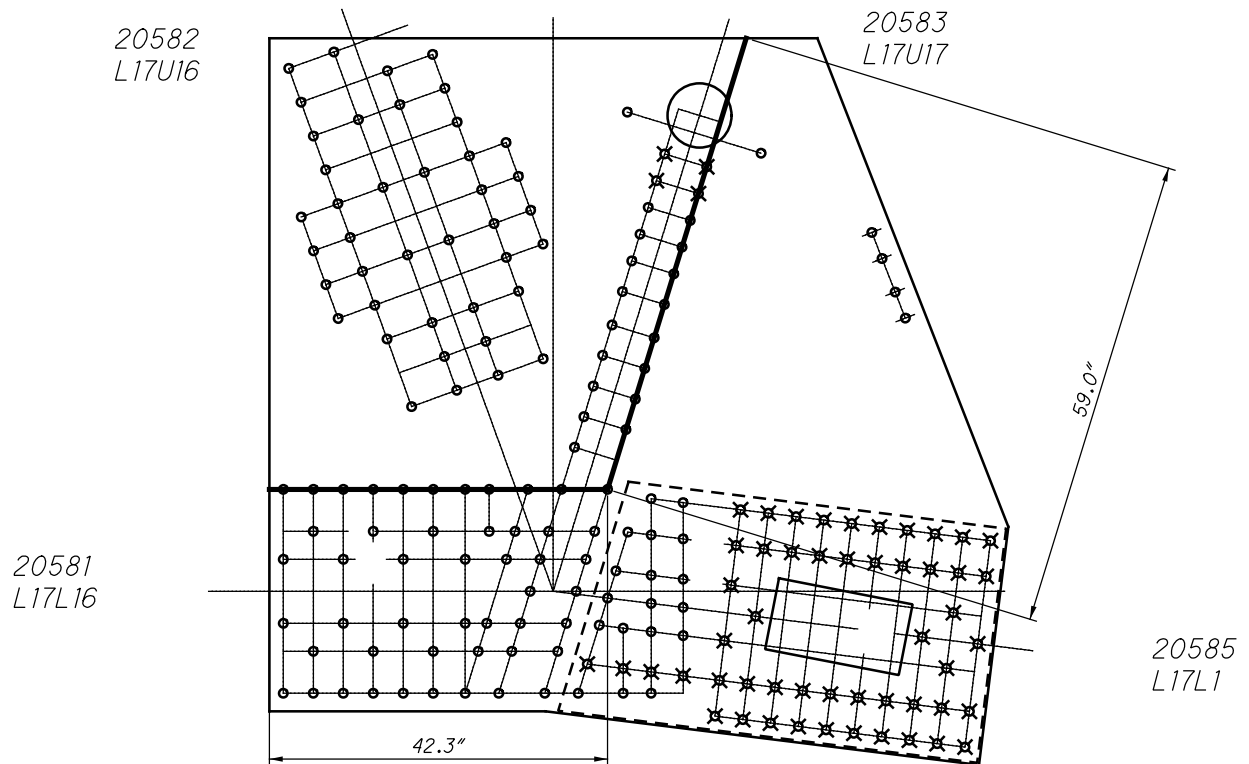
12058 AND 42058



**L58 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L58 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

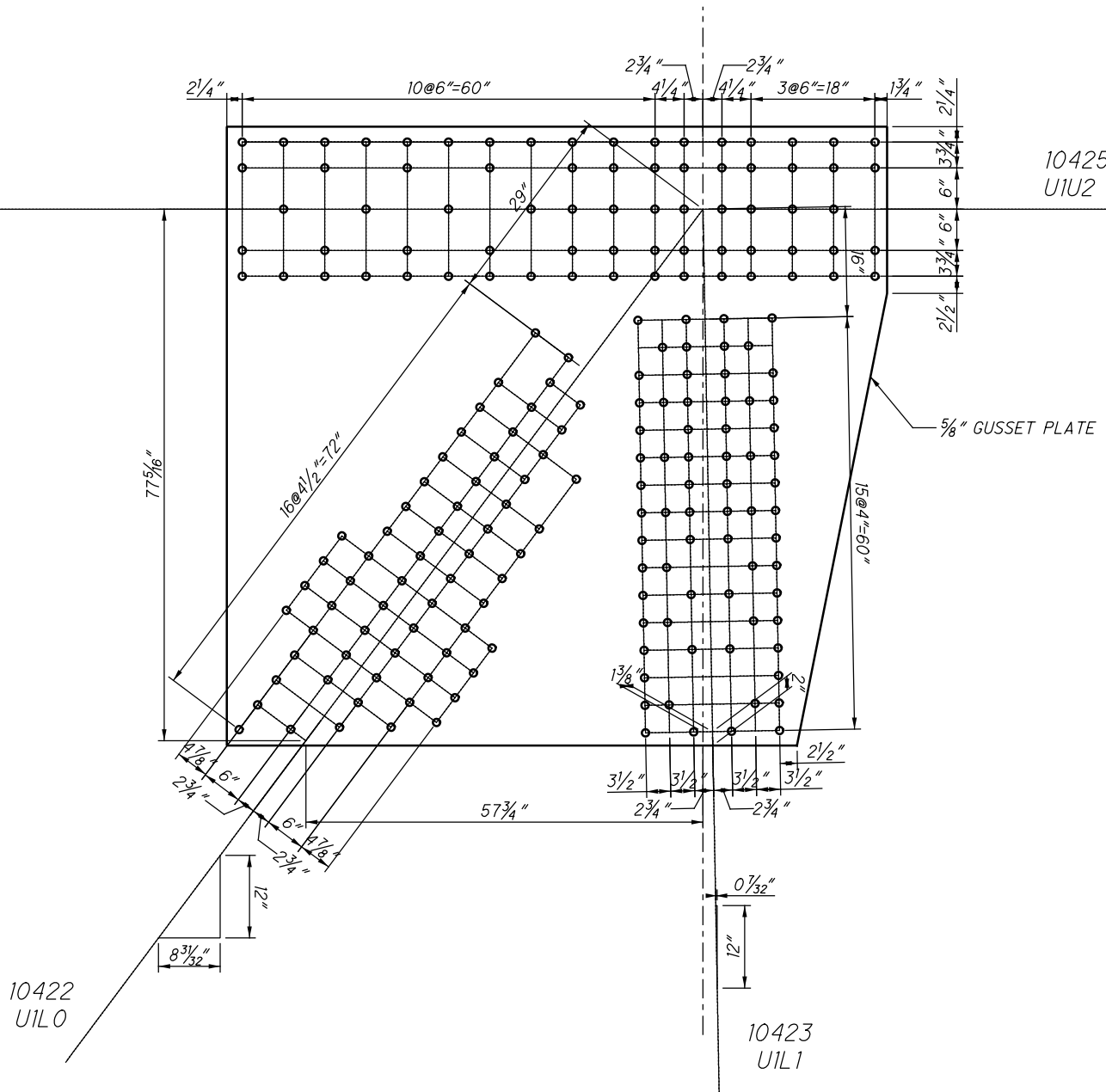


**L58 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**

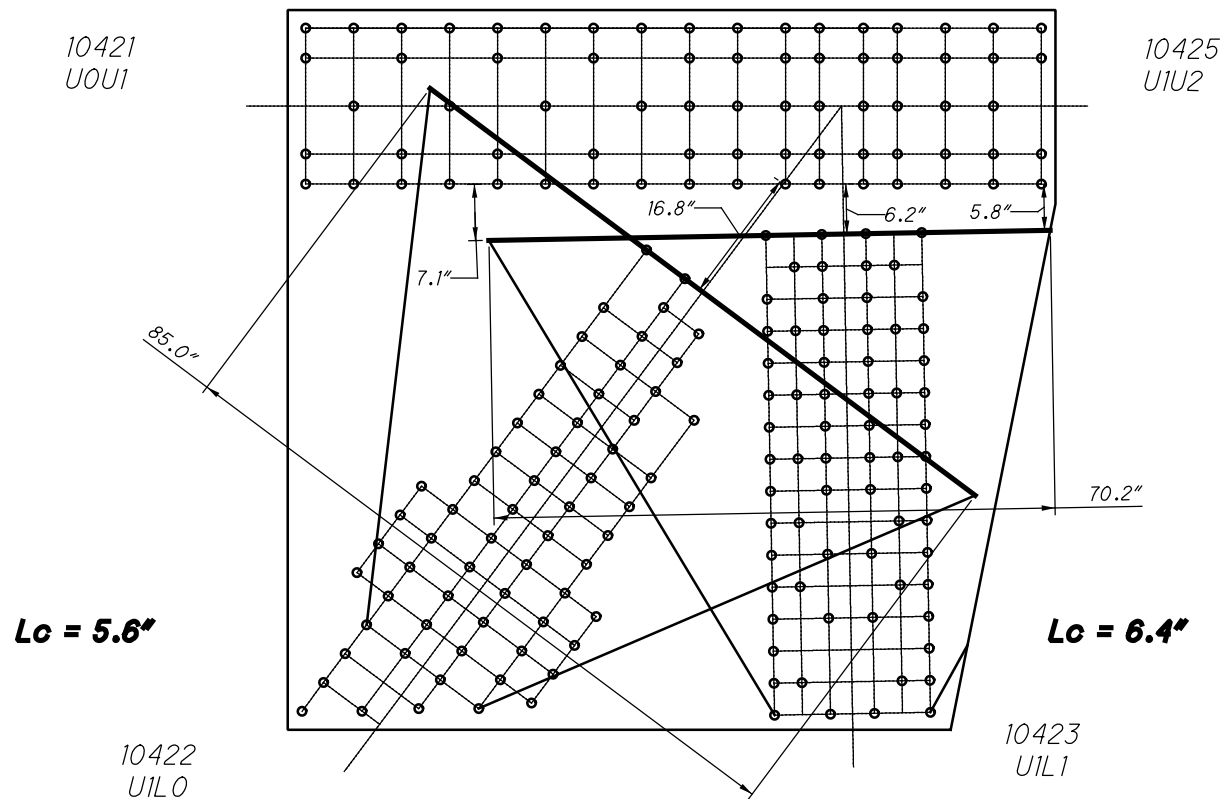
***SPAN 10 (UPPER) GUSSET PLATES
LORAIN CARNEGIE***

LEGEND

- $1 \frac{1}{16}$ " HOLES TYPICAL
- $1 \frac{3}{16}$ " HOLES TYPICAL

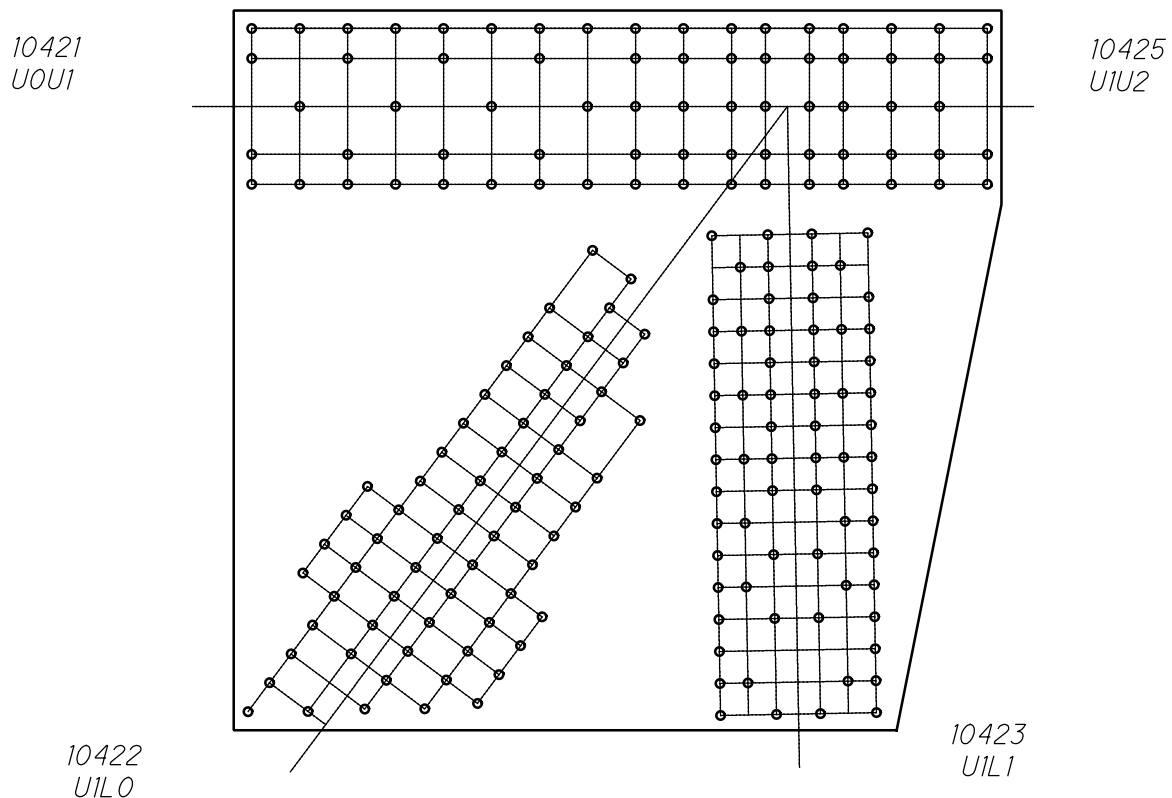


**U42 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

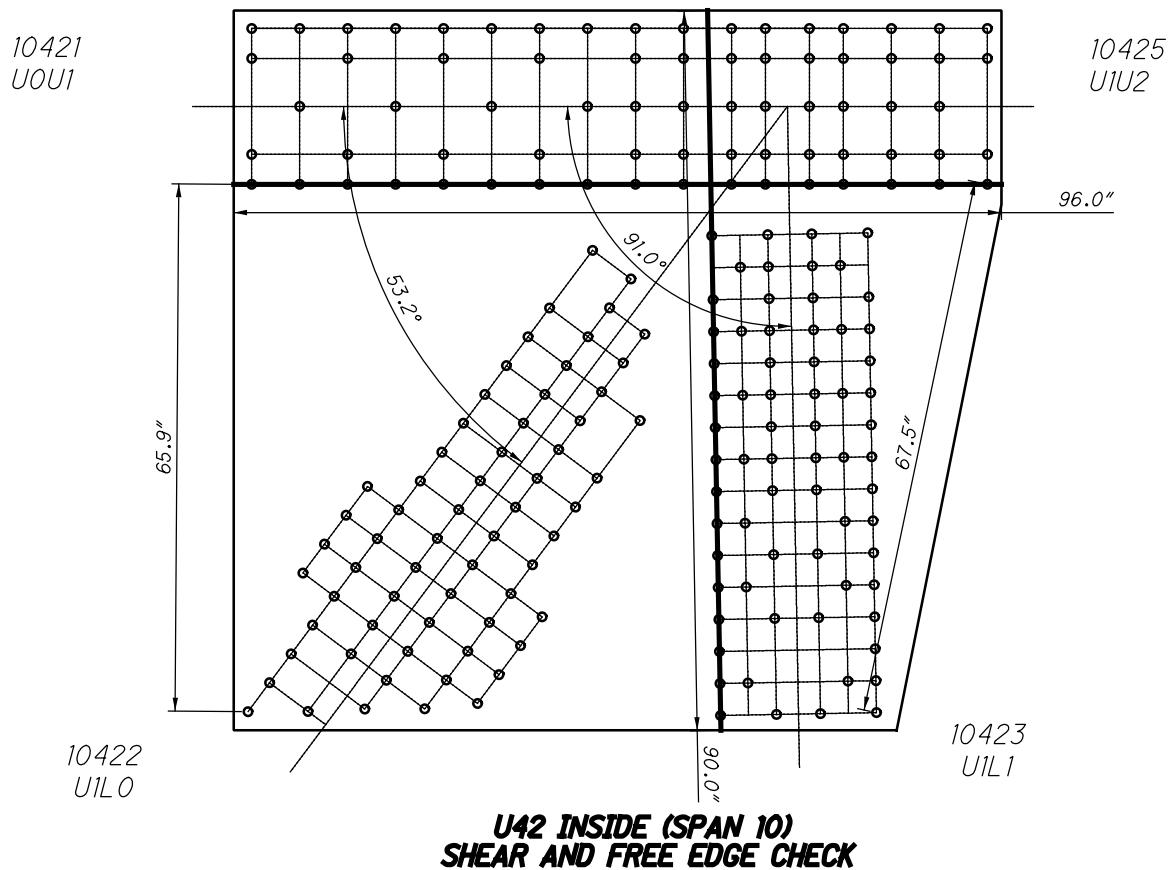
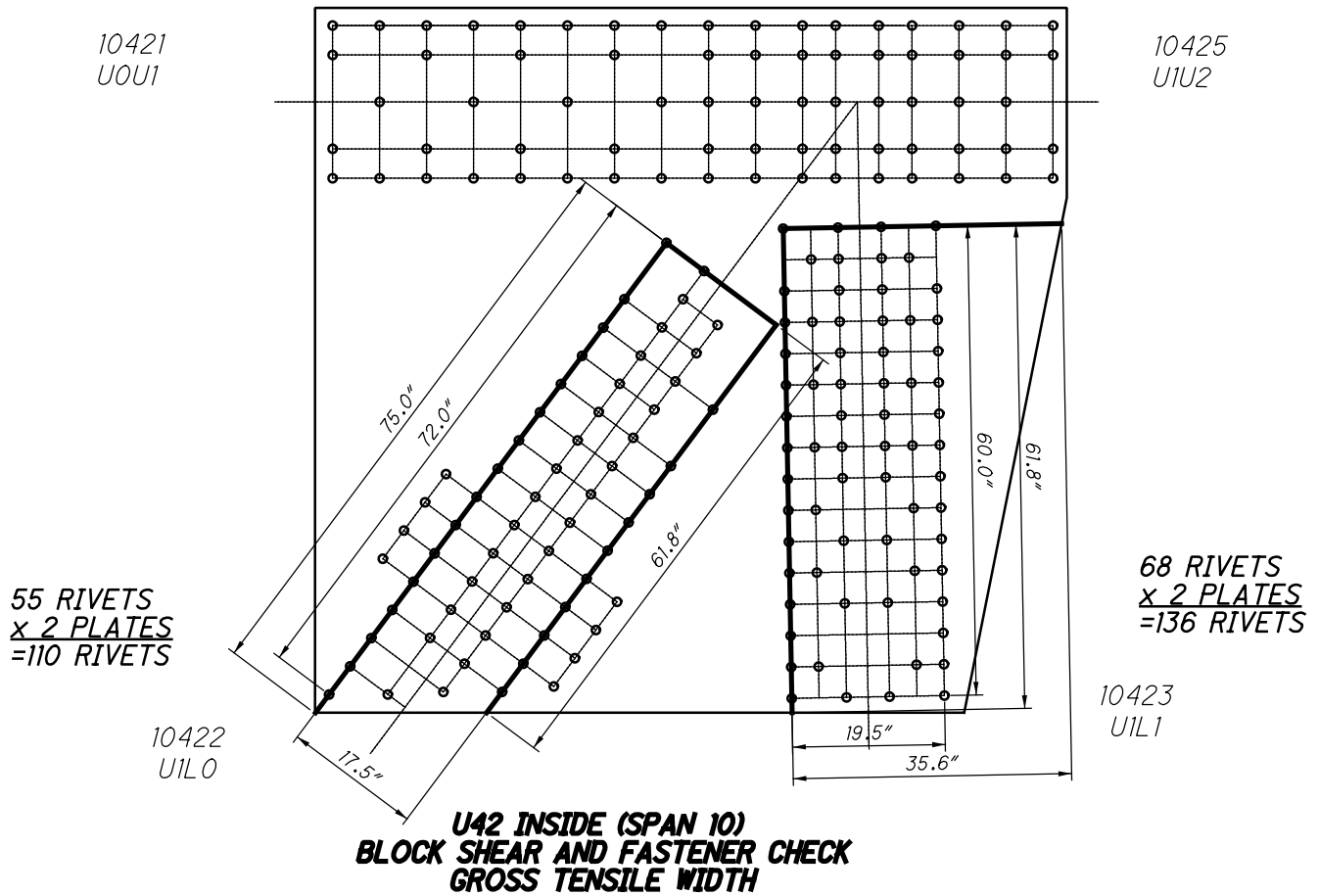


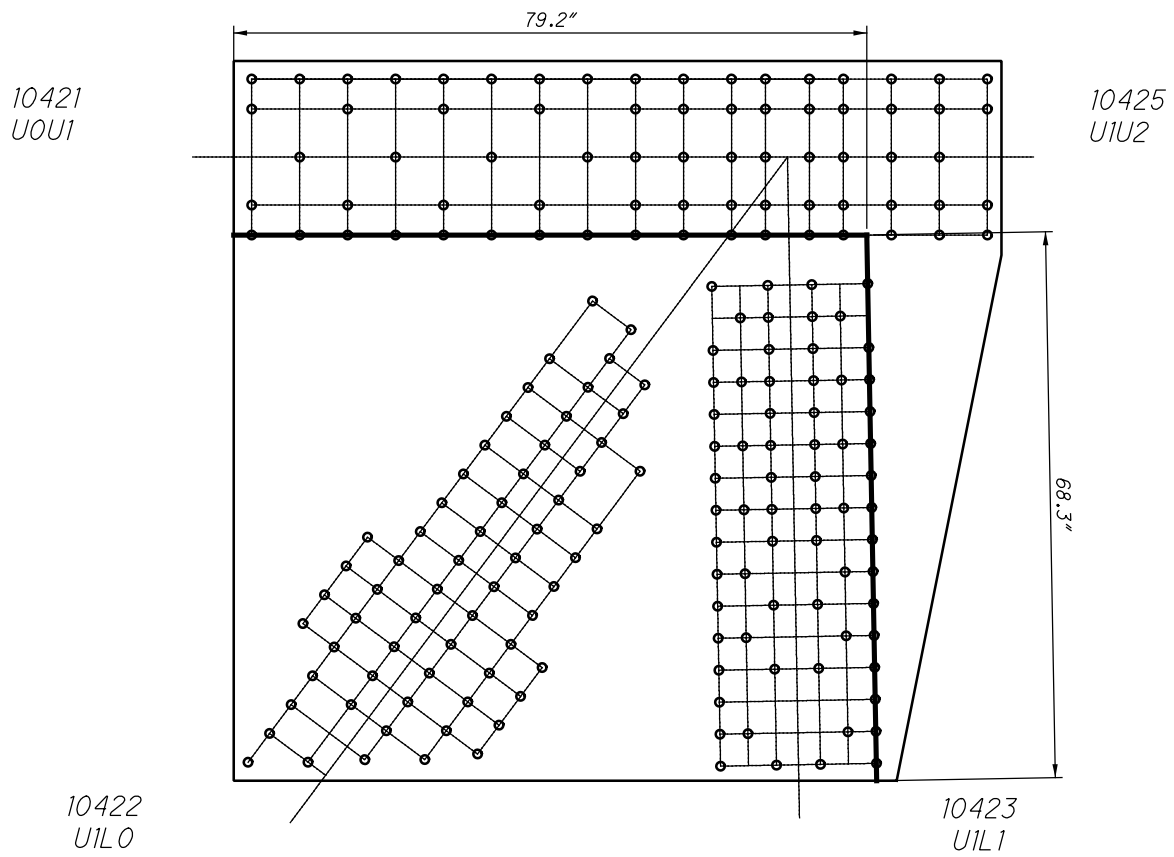
**U42 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

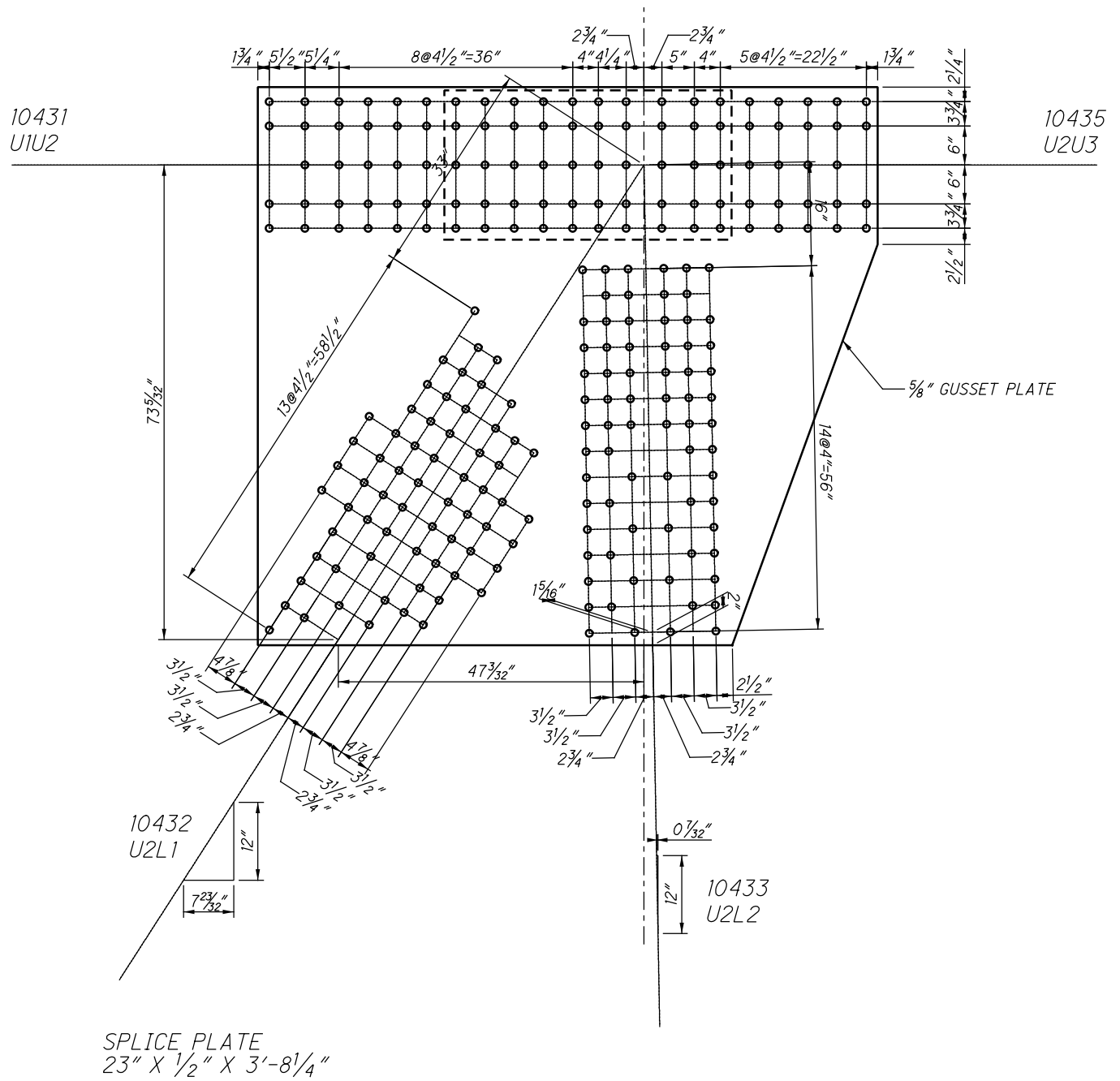


**U42 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

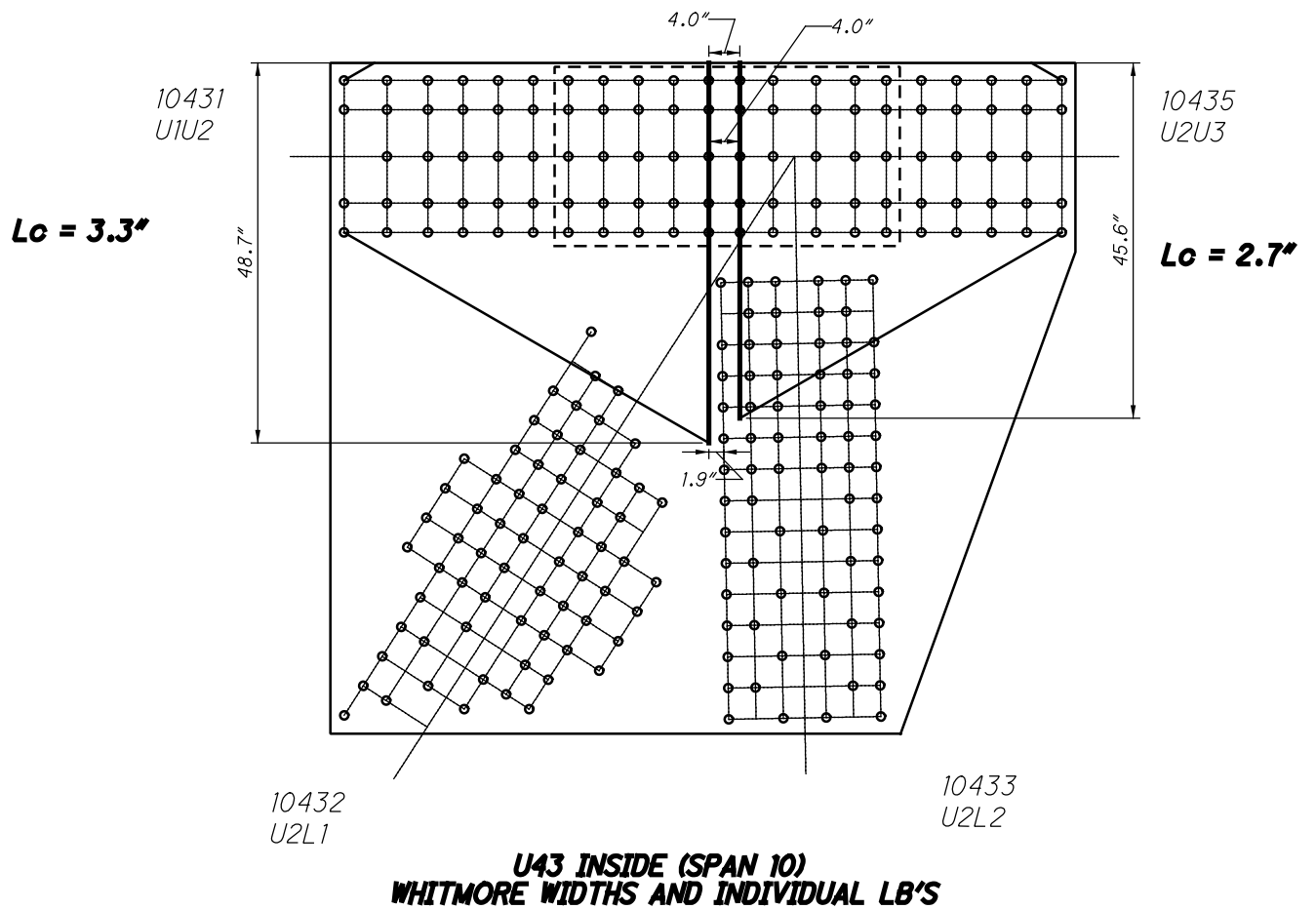
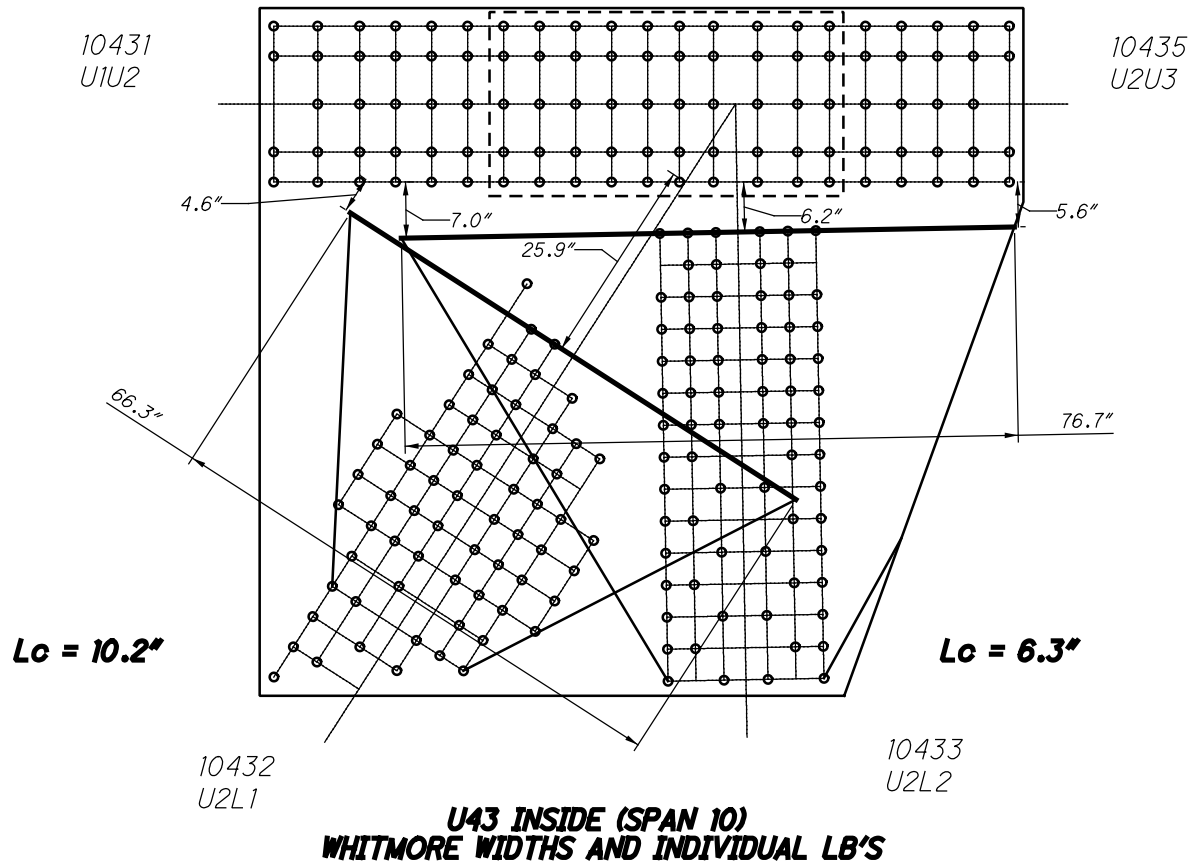




**U42 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U43 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

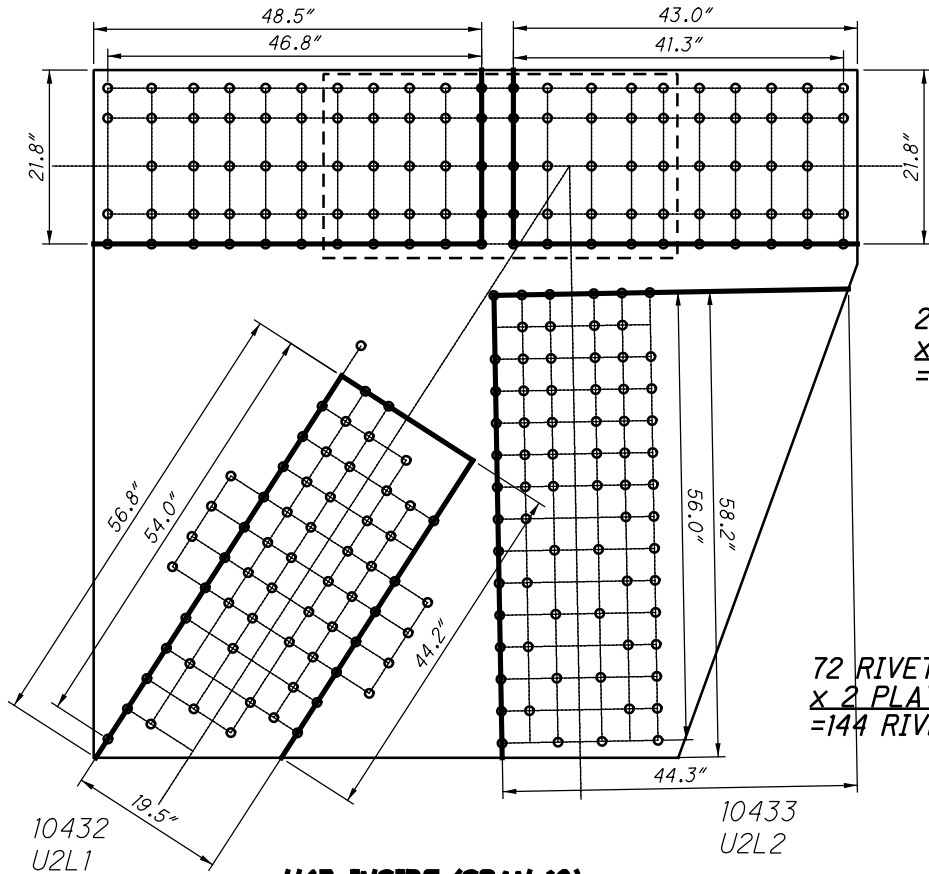


54 RIVETS
x 2 PLATES
=108 RIVETS

21043 AND 31043

10431
U1U2

25 SPLICE P
x 2 PLATES
=50 RIVETS



10435
U2U3

49 RIVETS
x 2 PLATES
=98 RIVETS

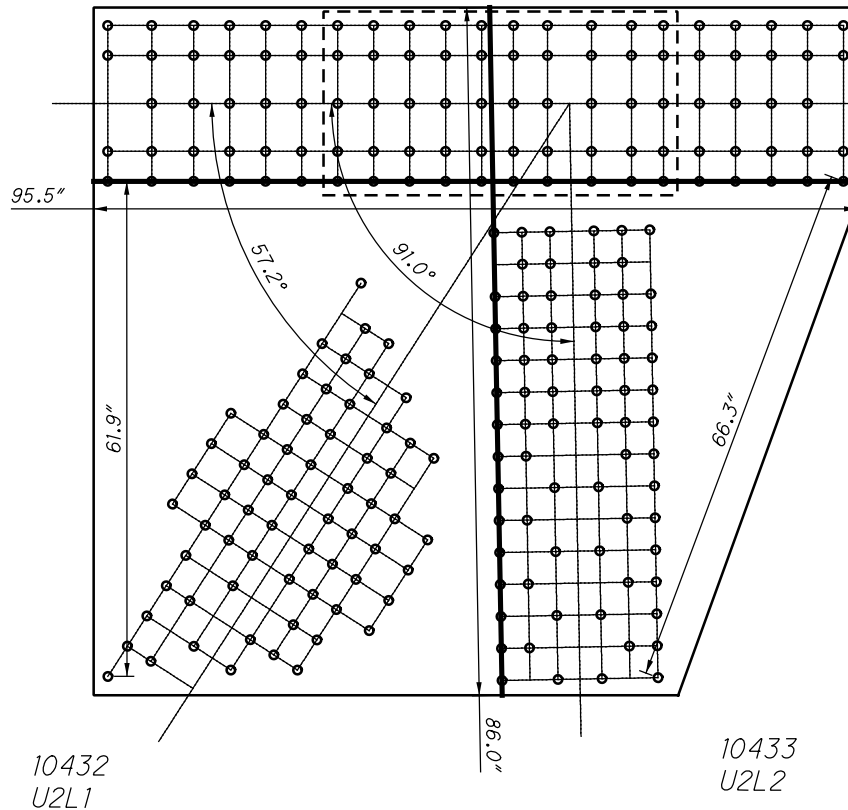
25 SPLICE P
x 2 PLATES
=50 RIVETS

57 RIVETS
x 2 PLATES
=114 RIVETS

72 RIVETS
x 2 PLATES
=144 RIVETS

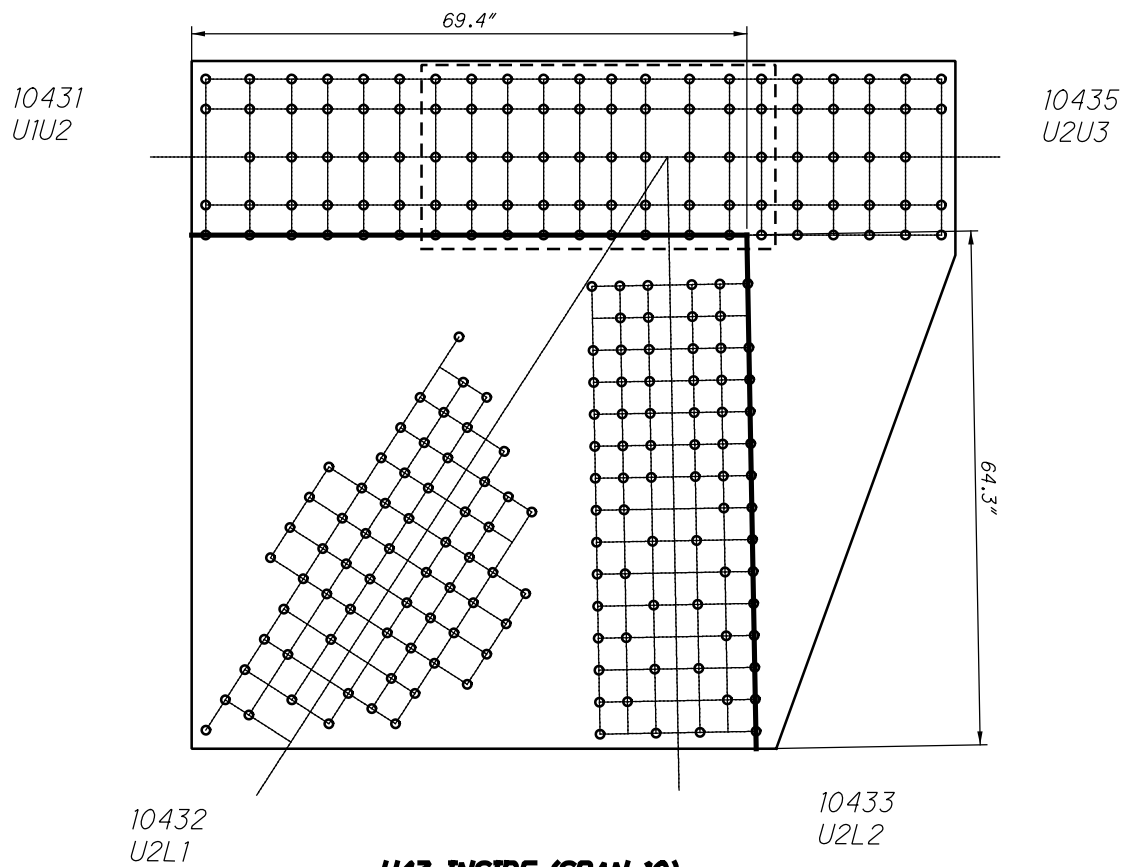
**U43 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10431
U1U2



10435
U2U3

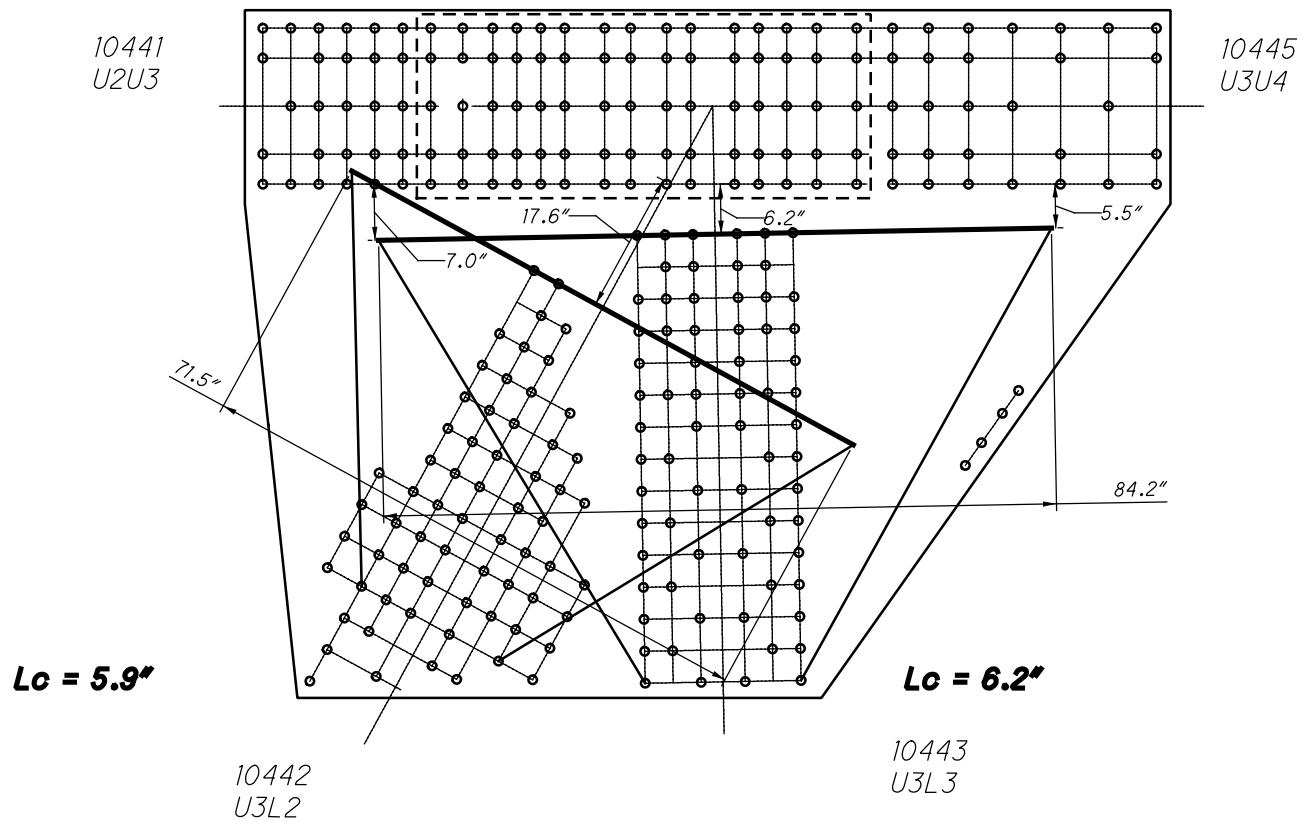
**U43 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



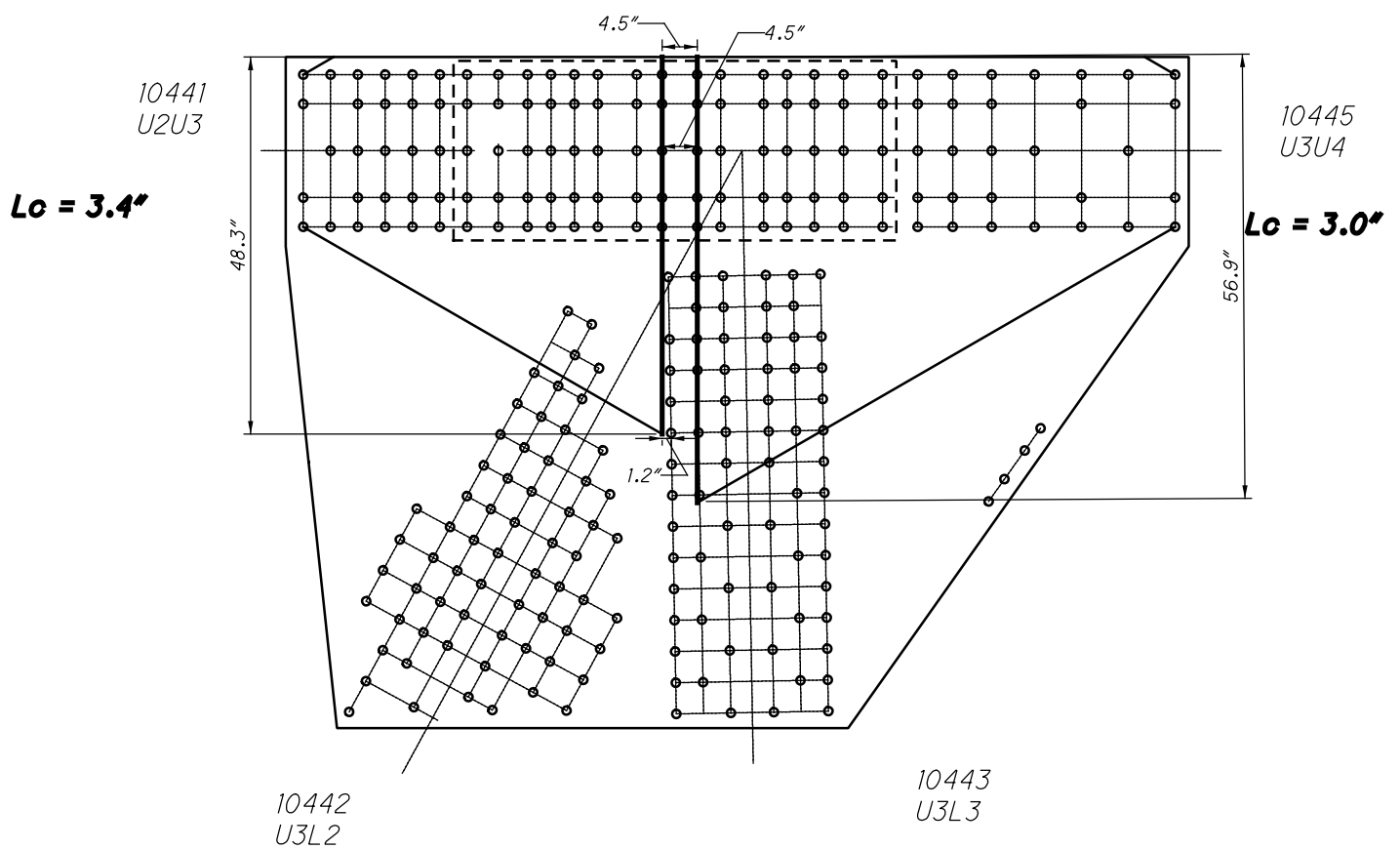
**U43 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



SPLICE PLATE
23" X 1 1/16" X 4'-9 1/4"



**U44 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

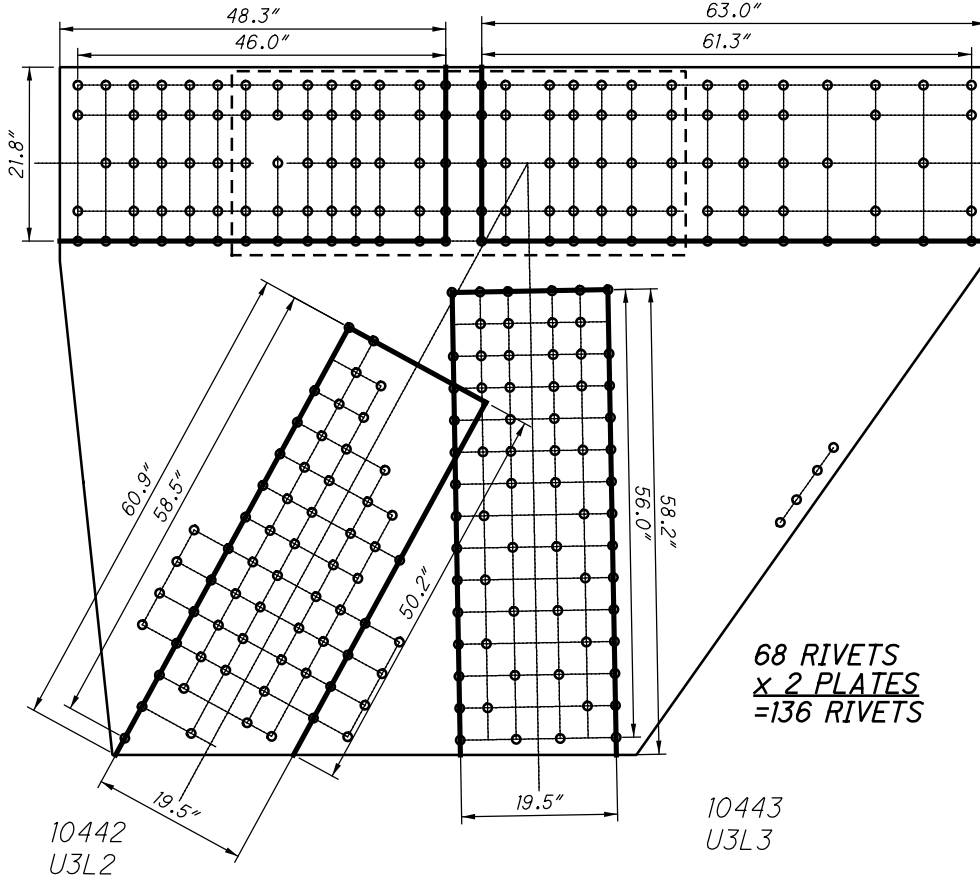


**U44 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

67 RIVETS
x 2 PLATES
=134 RIVETS

10441
U2U3

40 SPLICE P
x 2 PLATES
=80 RIVETS



64 RIVETS
x 2 PLATES
=128 RIVETS

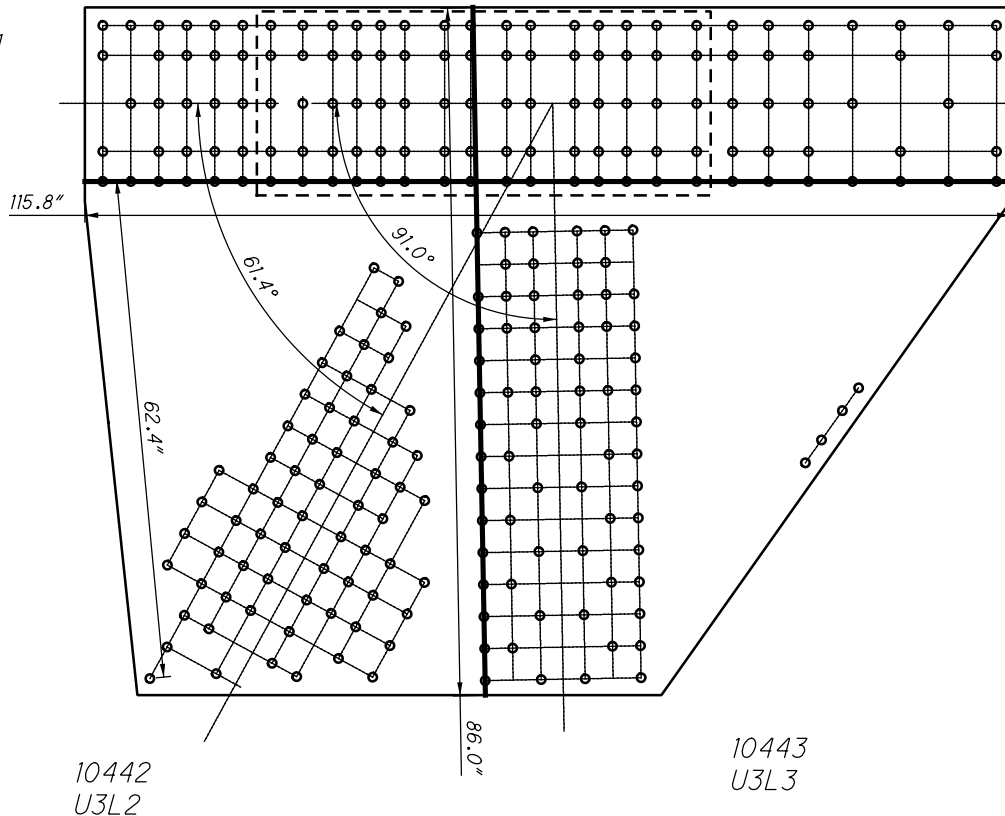
10445
U3U4

35 SPLICE P
x 2 PLATES
=70 RIVETS

68 RIVETS
x 2 PLATES
=136 RIVETS

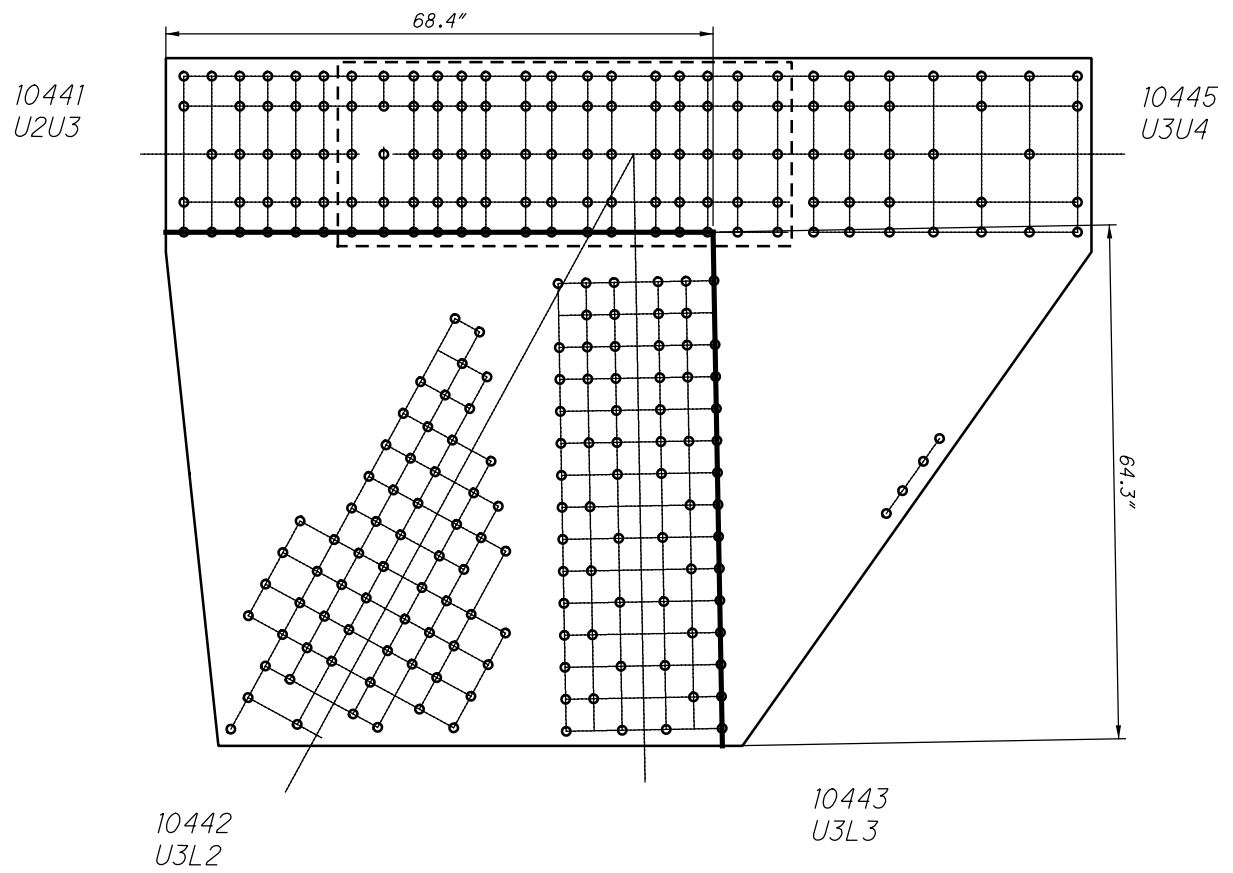
**U44 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10441
U2U3

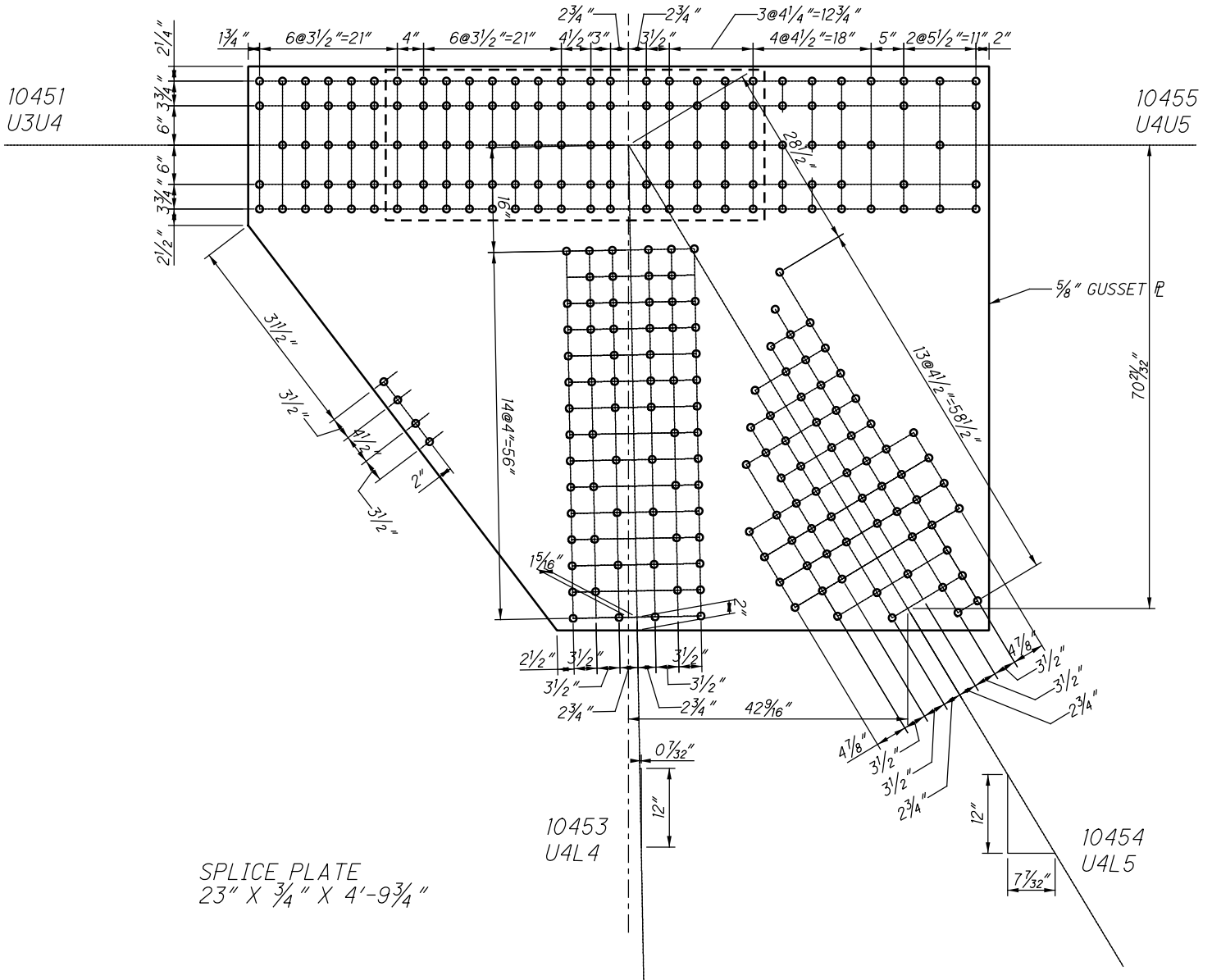


10445
U3U4

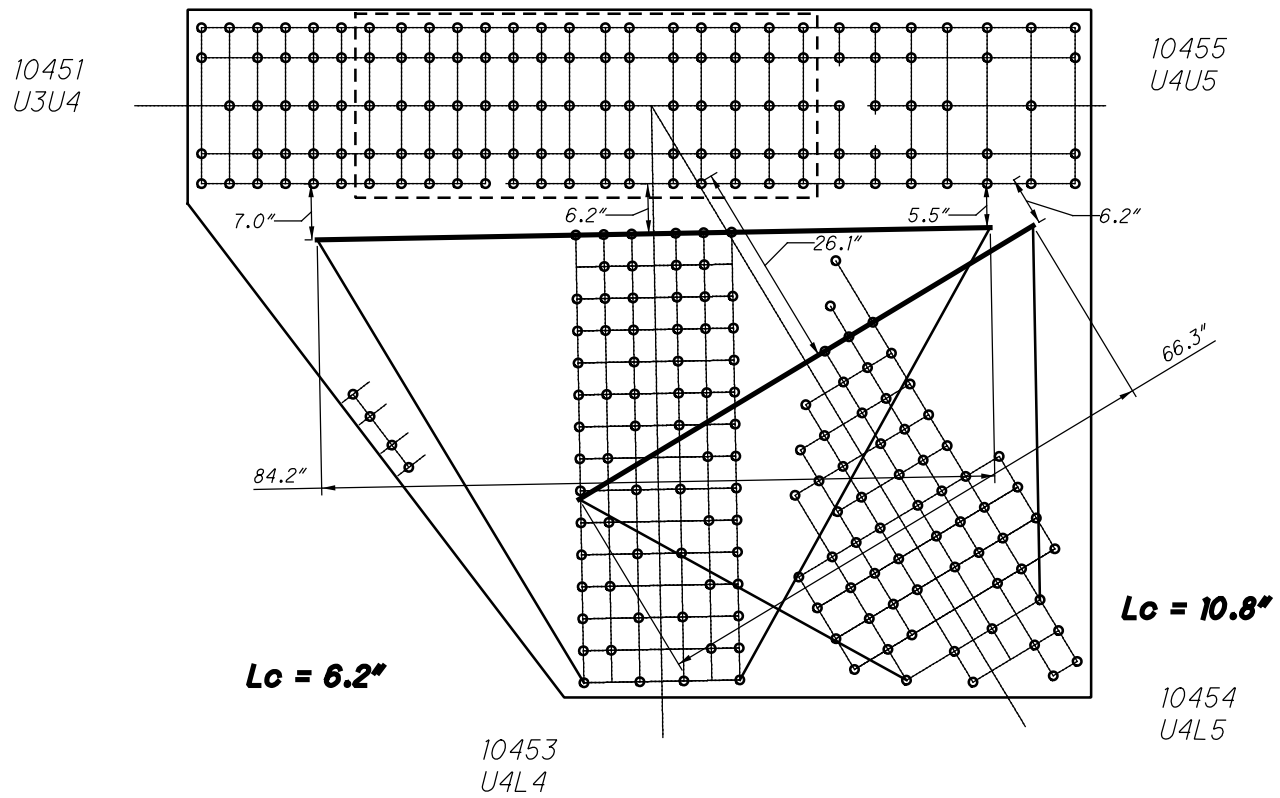
**U44 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



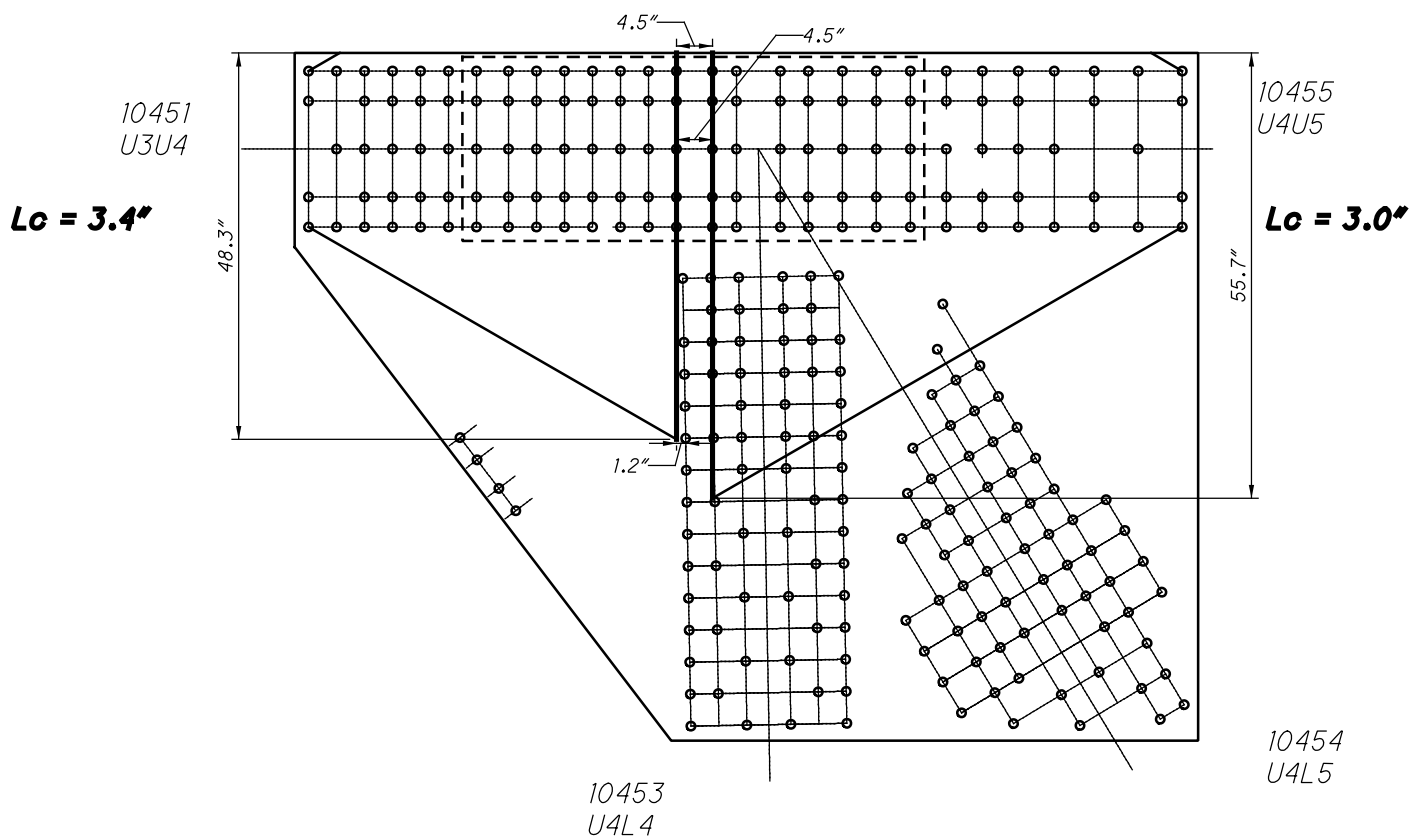
**U44 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U45 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**



**U45 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

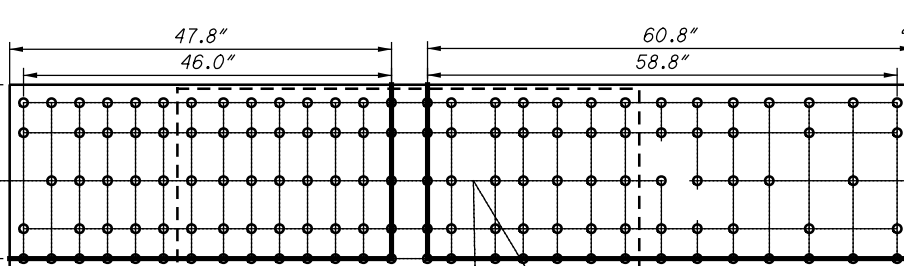


**U45 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

67 RIVETS
x 2 PLATES
=134 RIVETS

10451
U3U4

40 SPLICE P
x 2 PLATES
=80 RIVETS



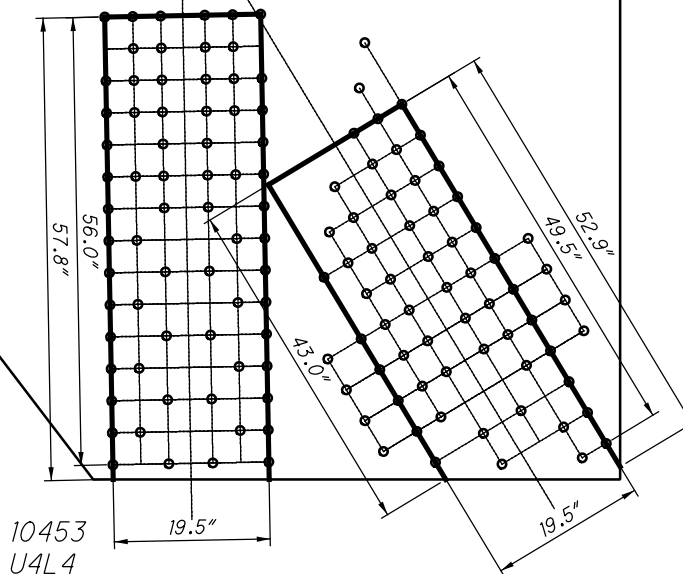
210.45 AND 310.45

10455
U4U5

64 RIVETS
x 2 PLATES
=128 RIVETS

35 SPLICE P
x 2 PLATES
=70 RIVETS

68 RIVETS
x 2 PLATES
=136 RIVETS

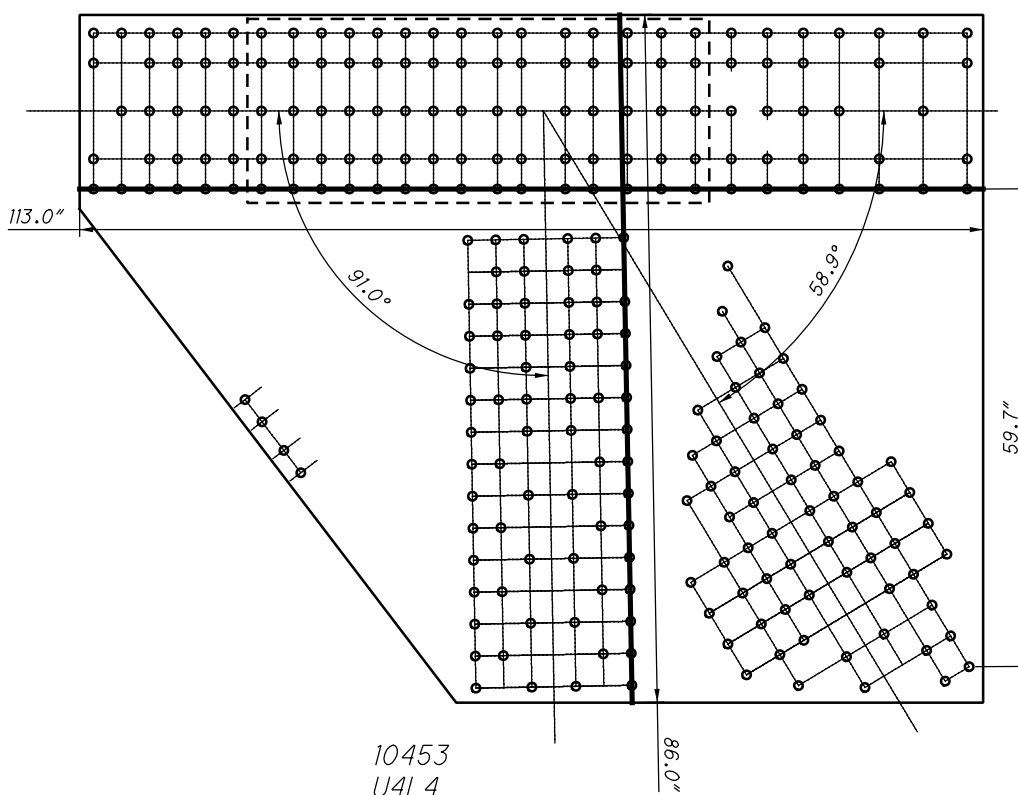


56 RIVETS
x 2 PLATES
=112 RIVETS

10454
U4L5

**U45 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10451
U3U4

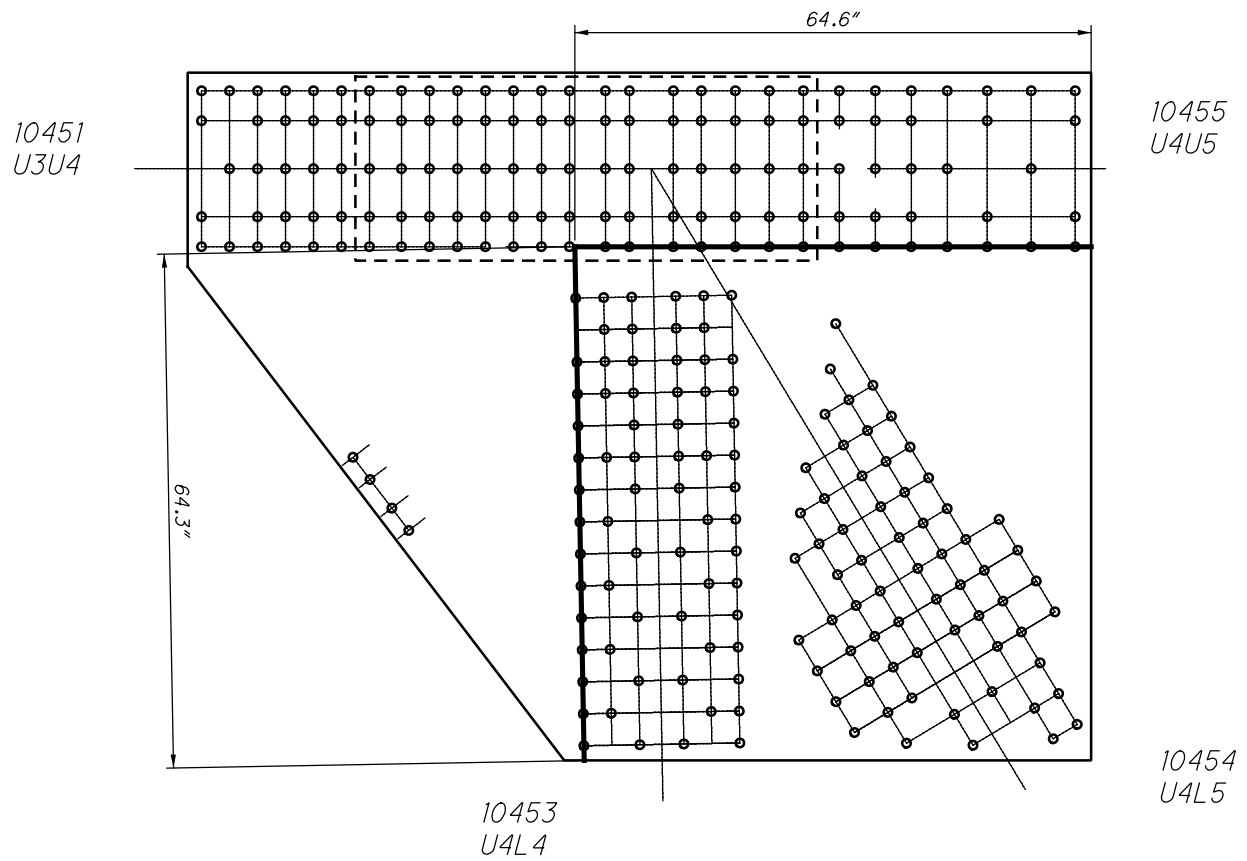


10455
U4U5

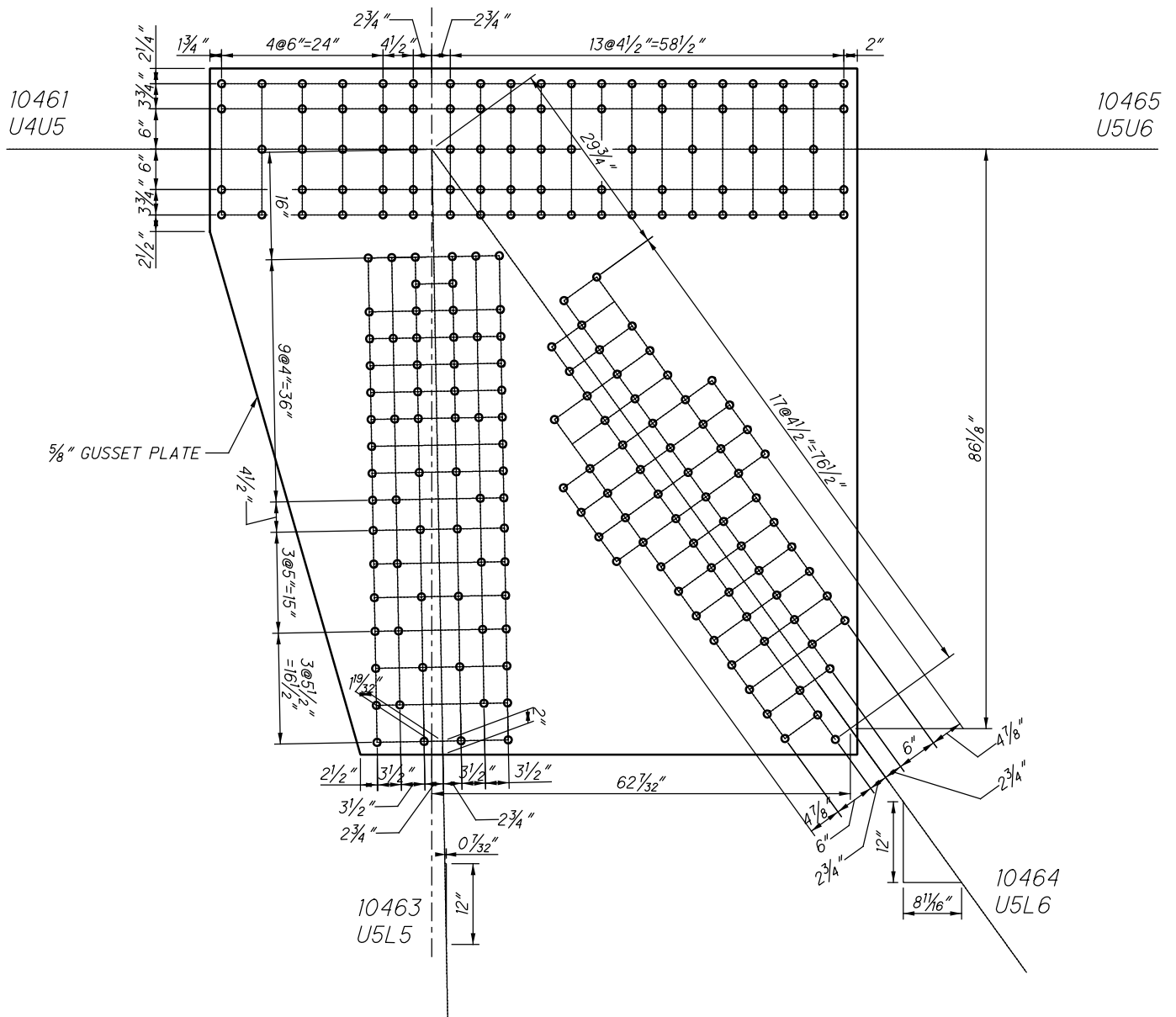
10454
U4L5

10453
U4L4

**U45 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



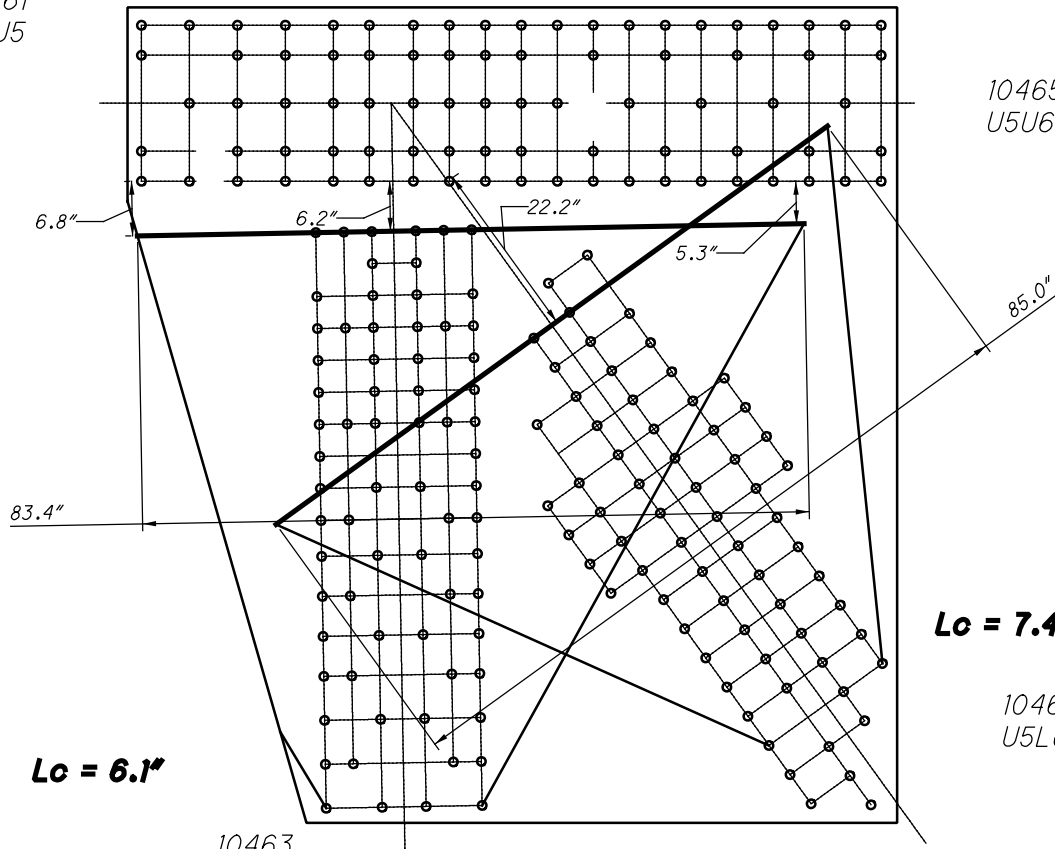
**U45 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U46 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10461
U4U5

10465
U5U6



**U46 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10461
U4U5

10465
U5U6

**U46 INSIDE (SPAN 10)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

10464
U5L6

10463
U5L5

10461
U4U5

10465
U5U6

70 RIVETS
x 2 PLATES
=140 RIVETS

10463
U5L5

59 RIVETS
x 2 PLATES
=118 RIVETS

10464
U5L6

**U46 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

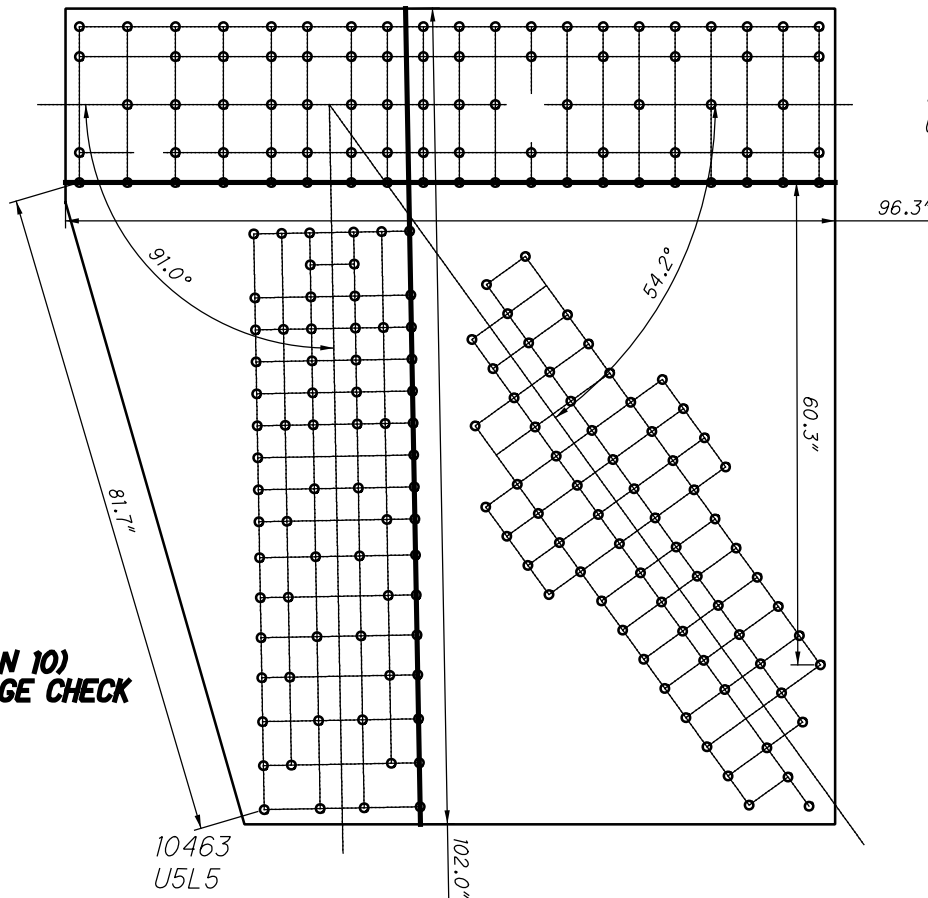
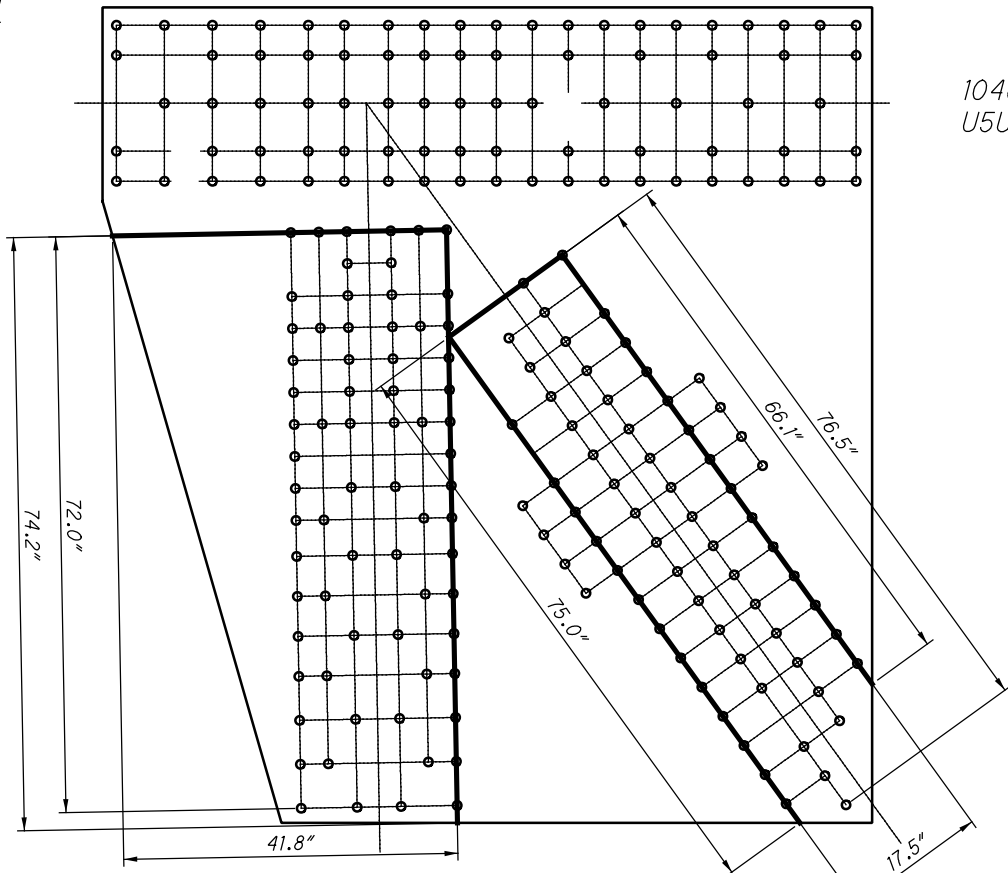
10461
U4U5

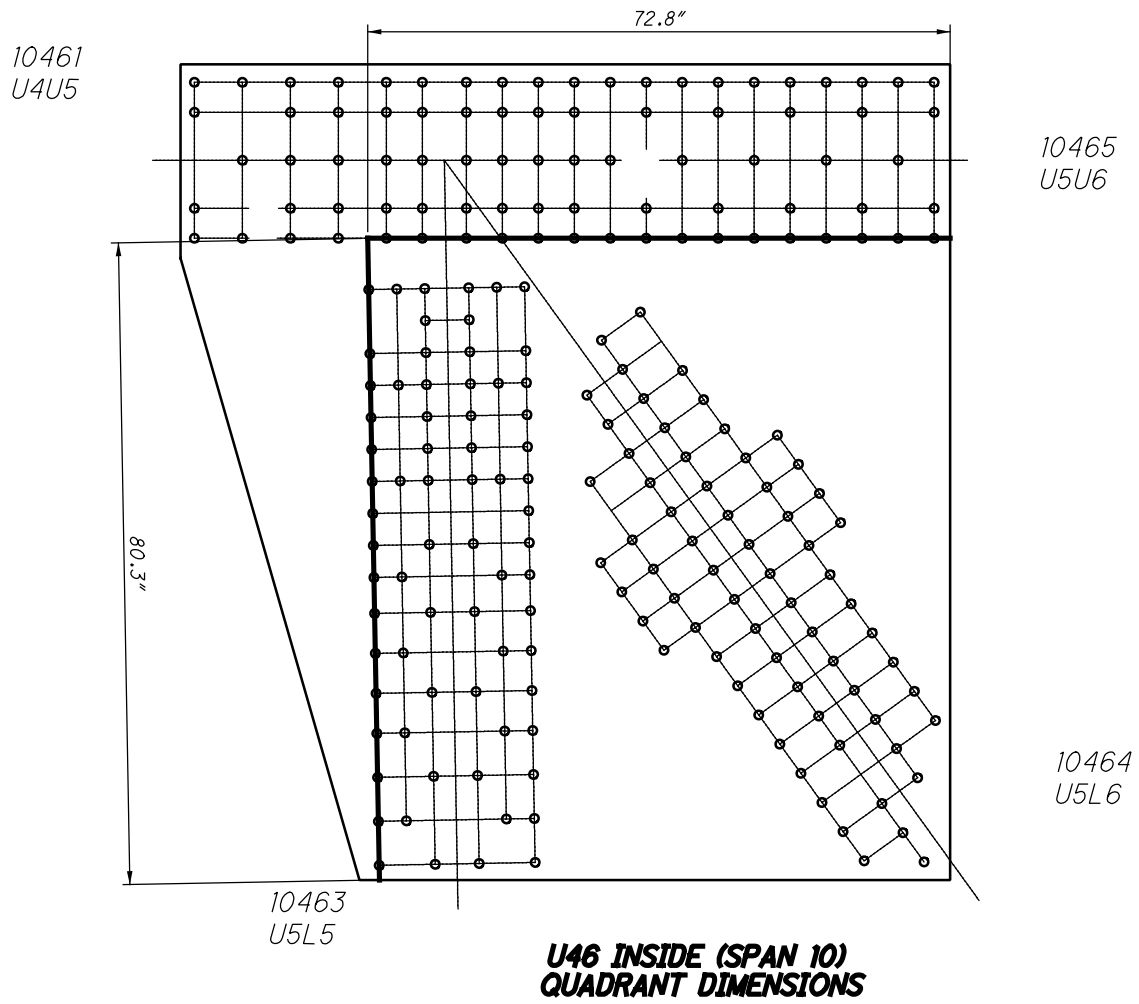
10465
U5U6

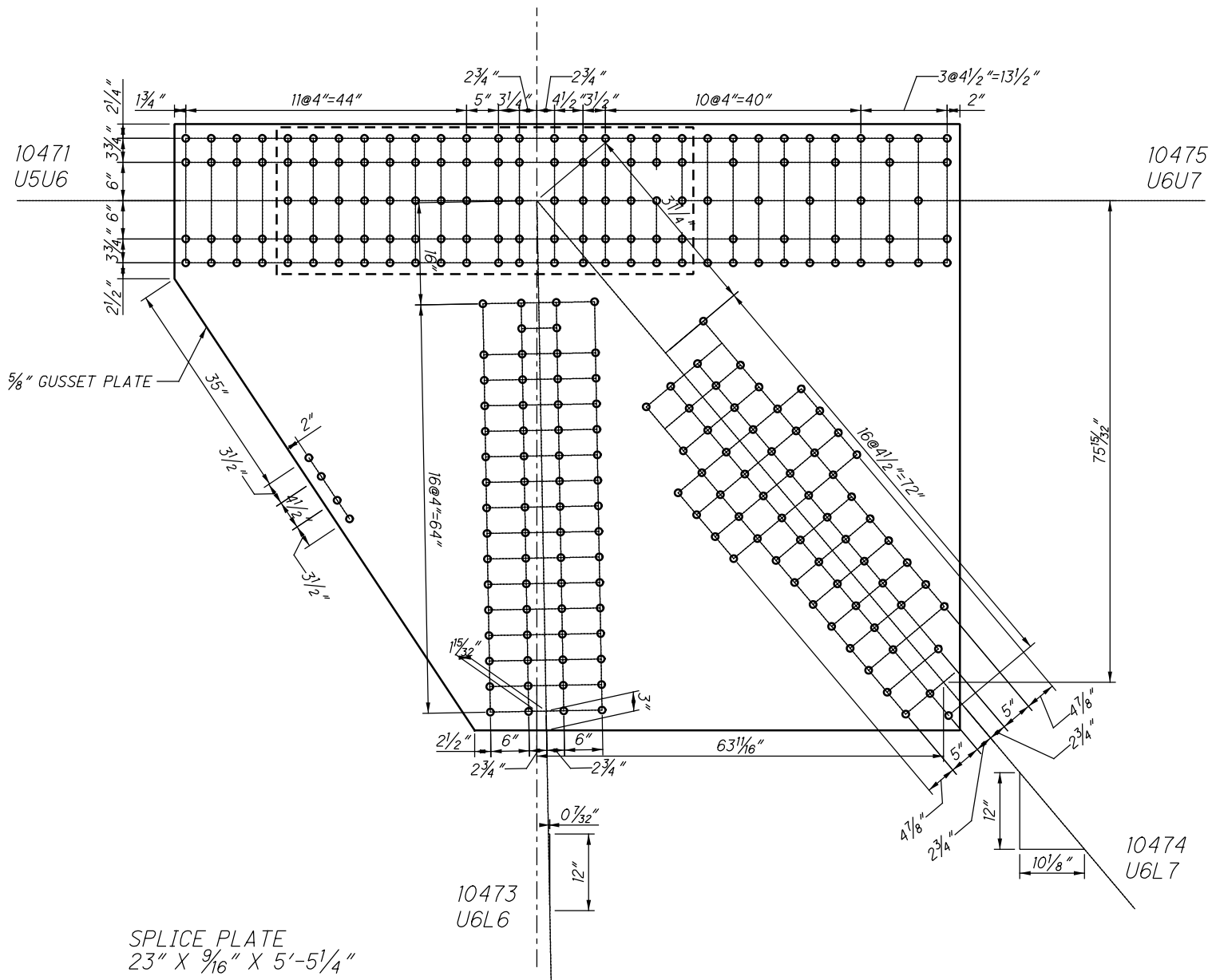
**U46 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

10463
U5L5

10464
U5L6



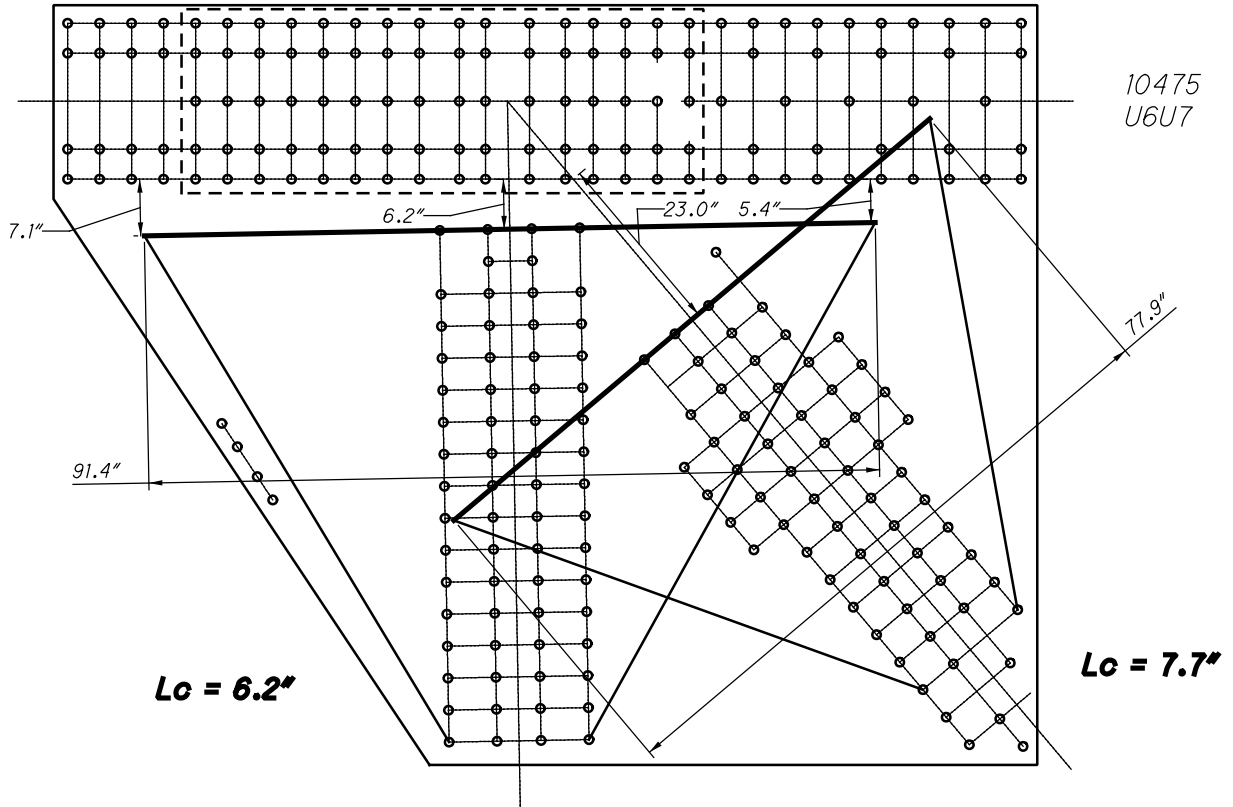




**U47 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10471
U5U6

10475
U6U7



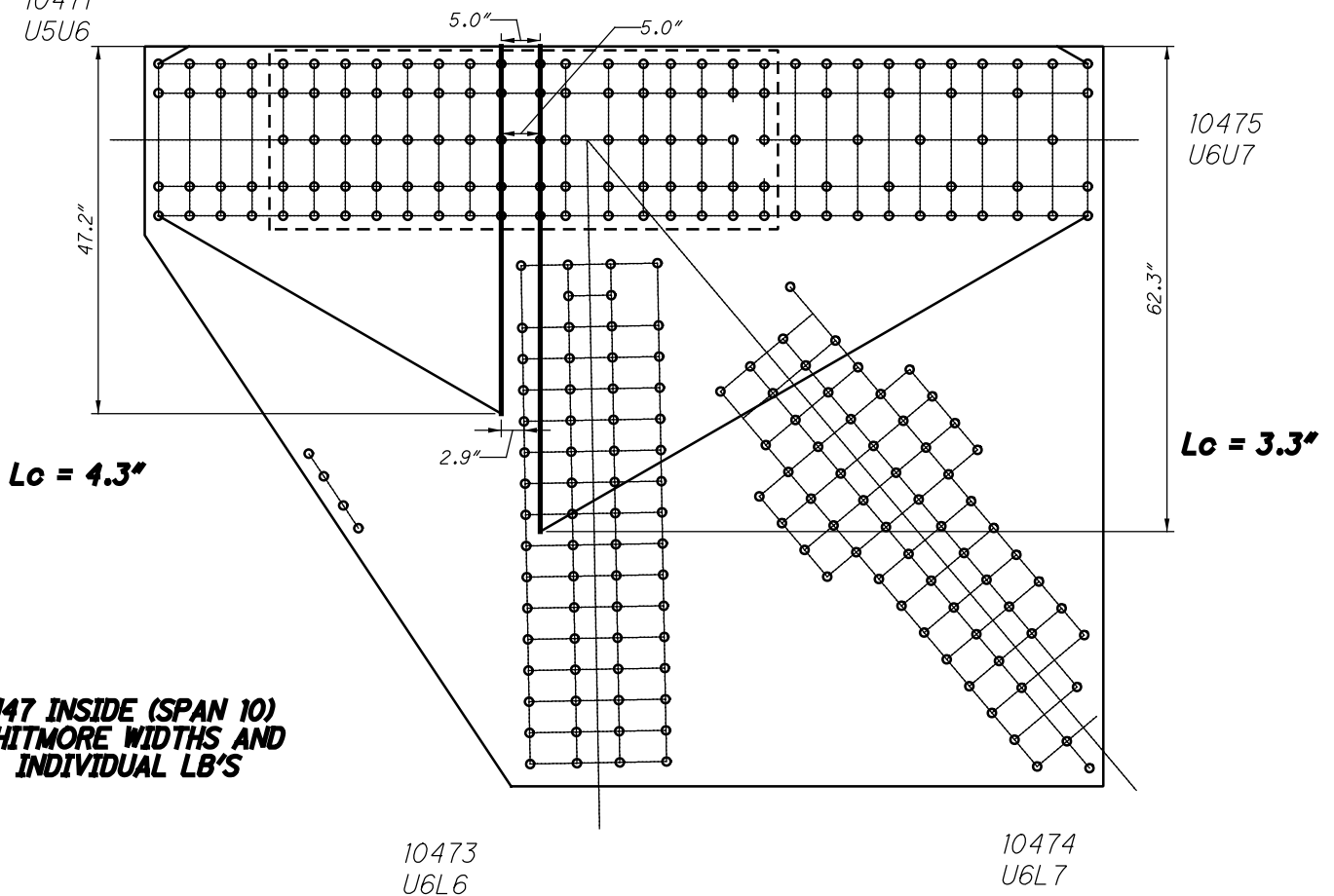
10473
U6L6

10474
U6L7

**U47 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10471
U5U6

10475
U6U7

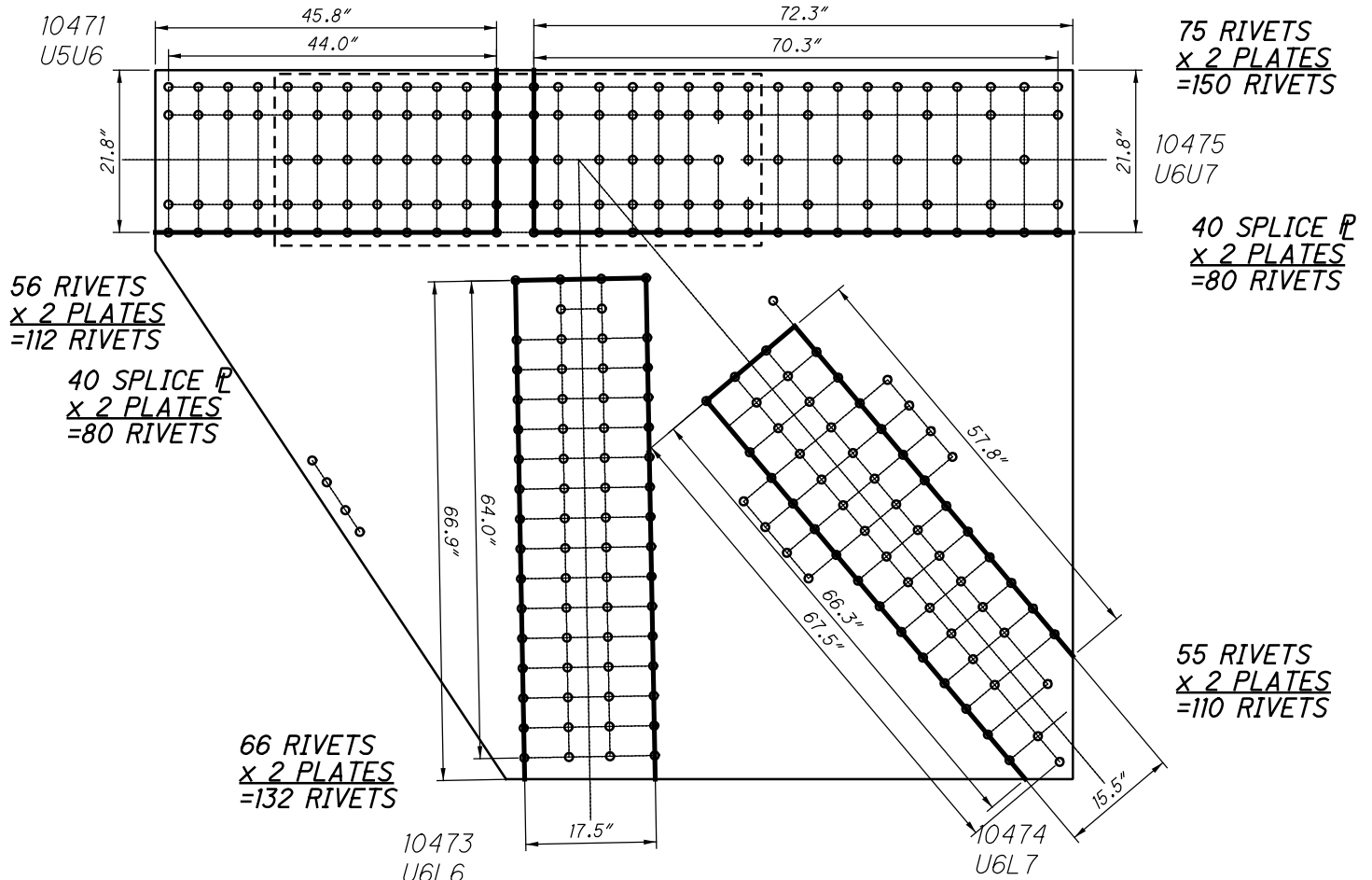


**U47 INSIDE (SPAN 10)
WHITMORE WIDTHS AND
INDIVIDUAL LB'S**

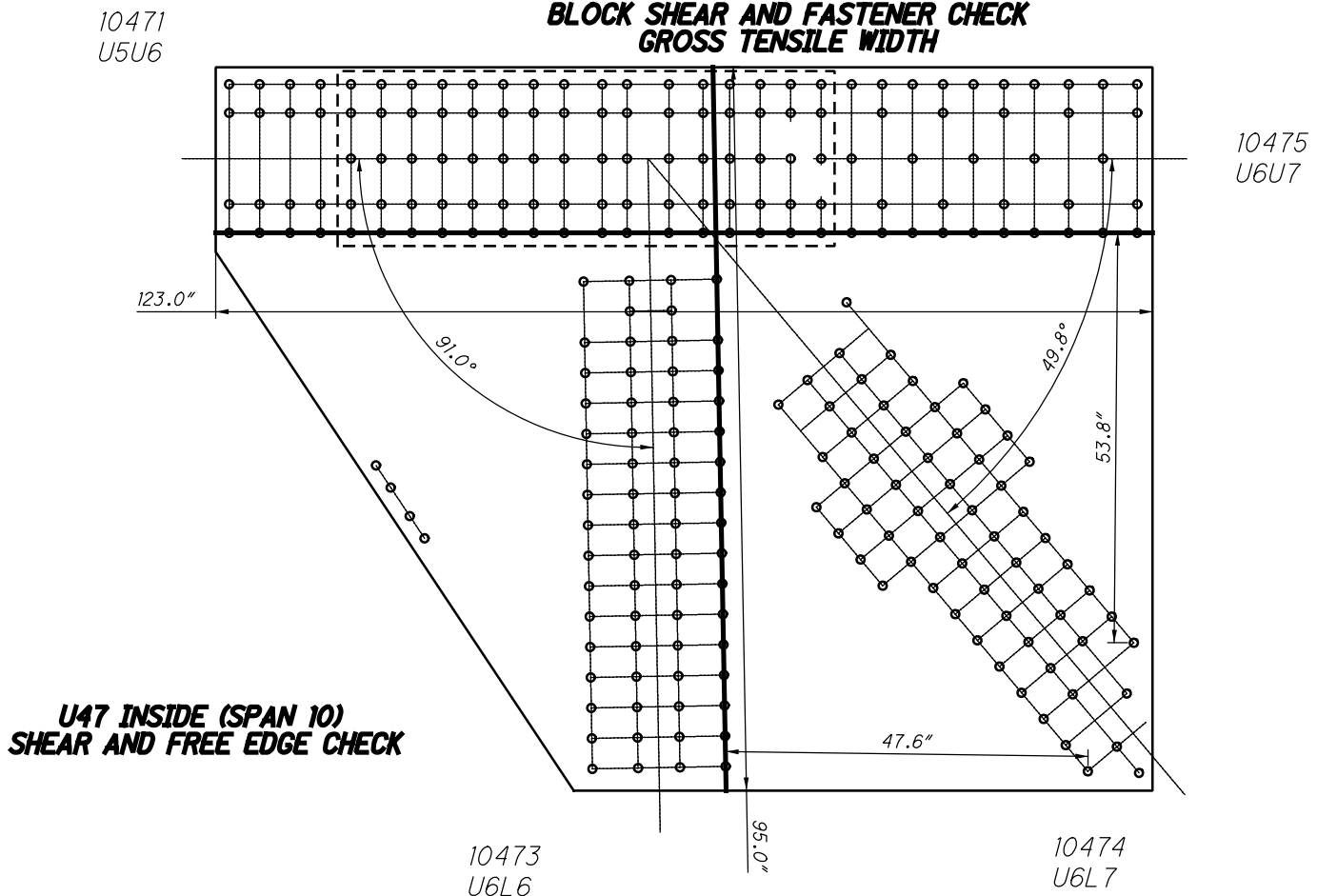
10473
U6L6

10474
U6L7

21047 AND 31047



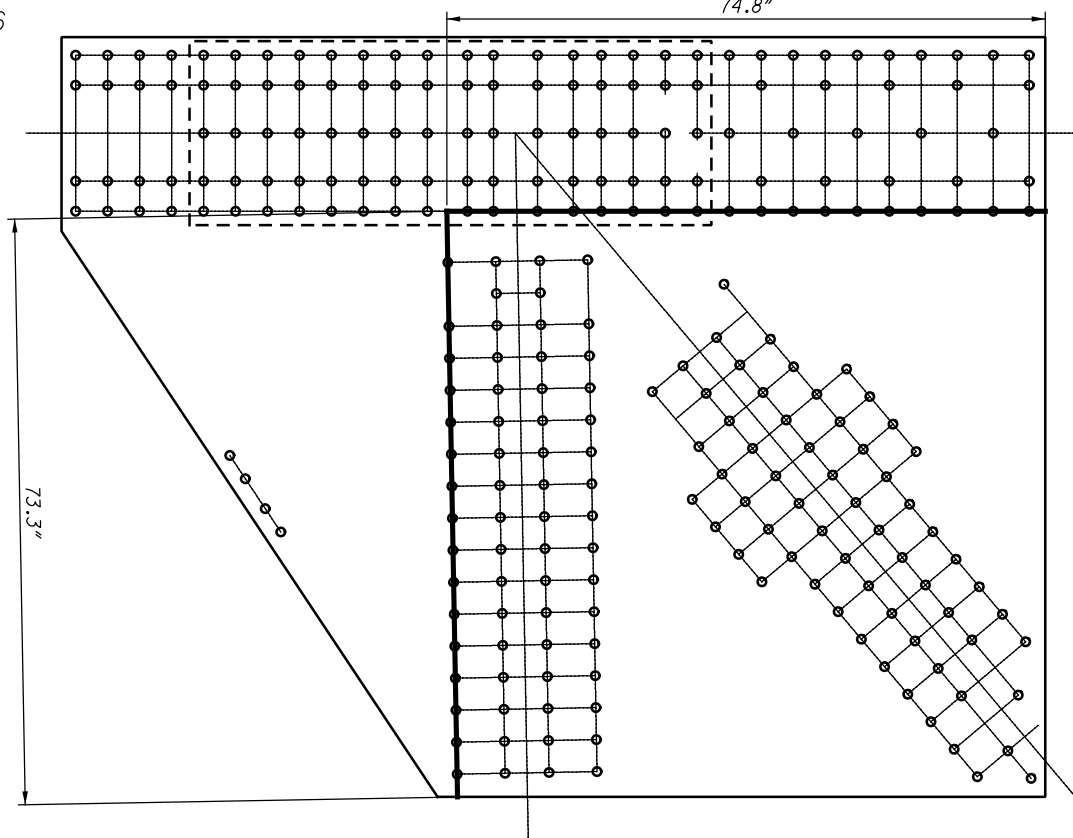
**U47 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



10471
U5U6

74.8"

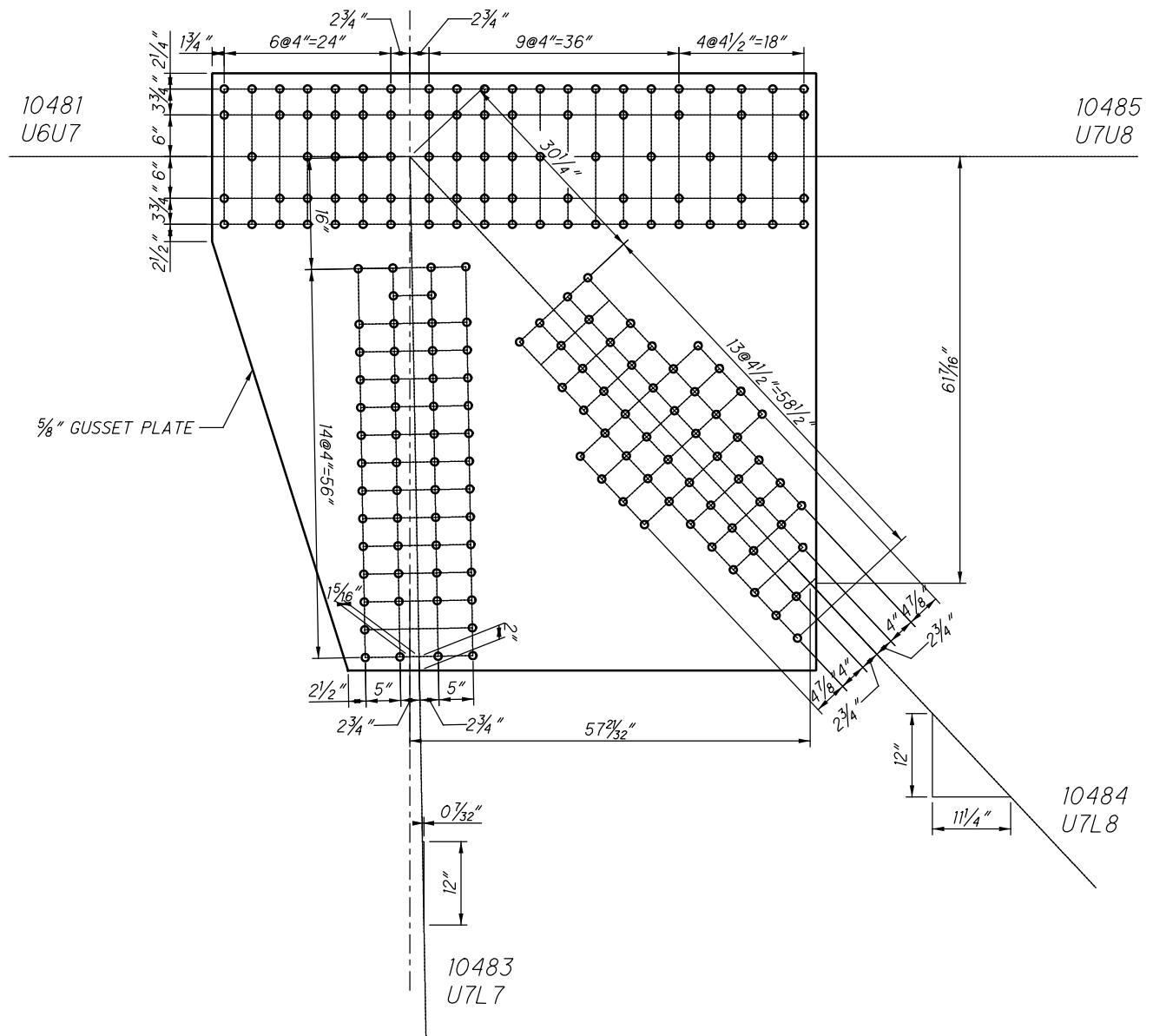
10475
U6U7



10473
U6L6

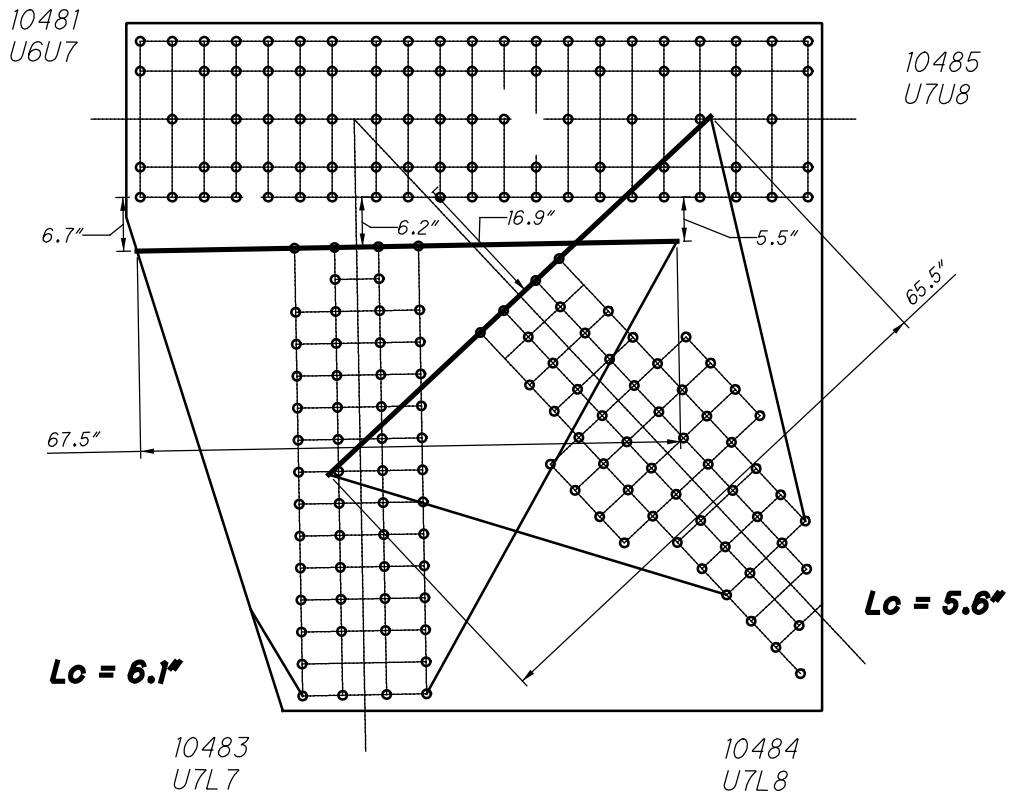
10474
U6L7

**U47 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

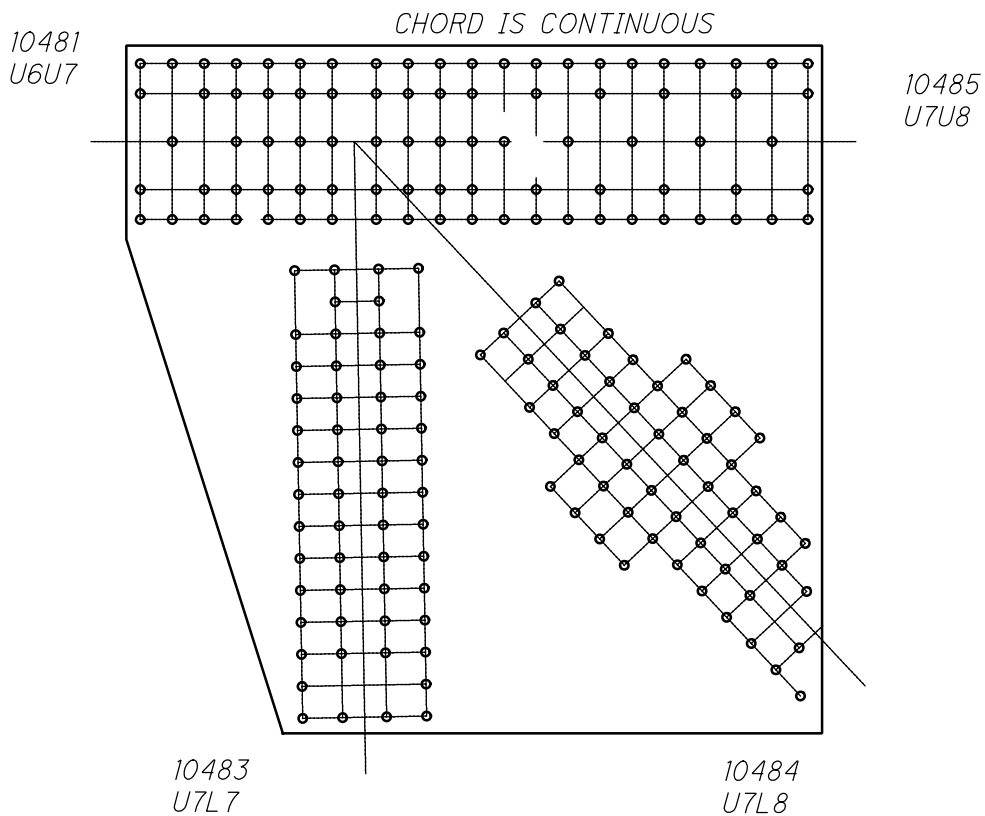


**U48 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

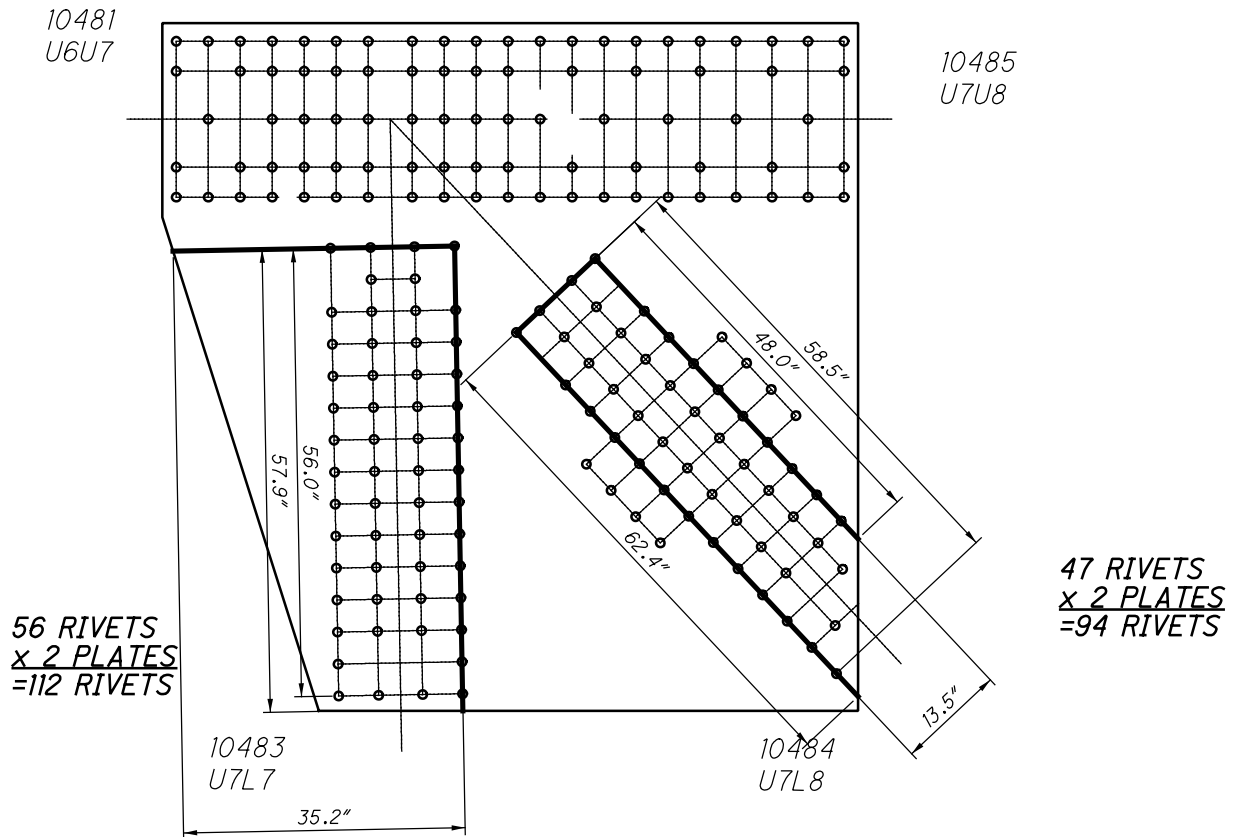
21048 AND 31048



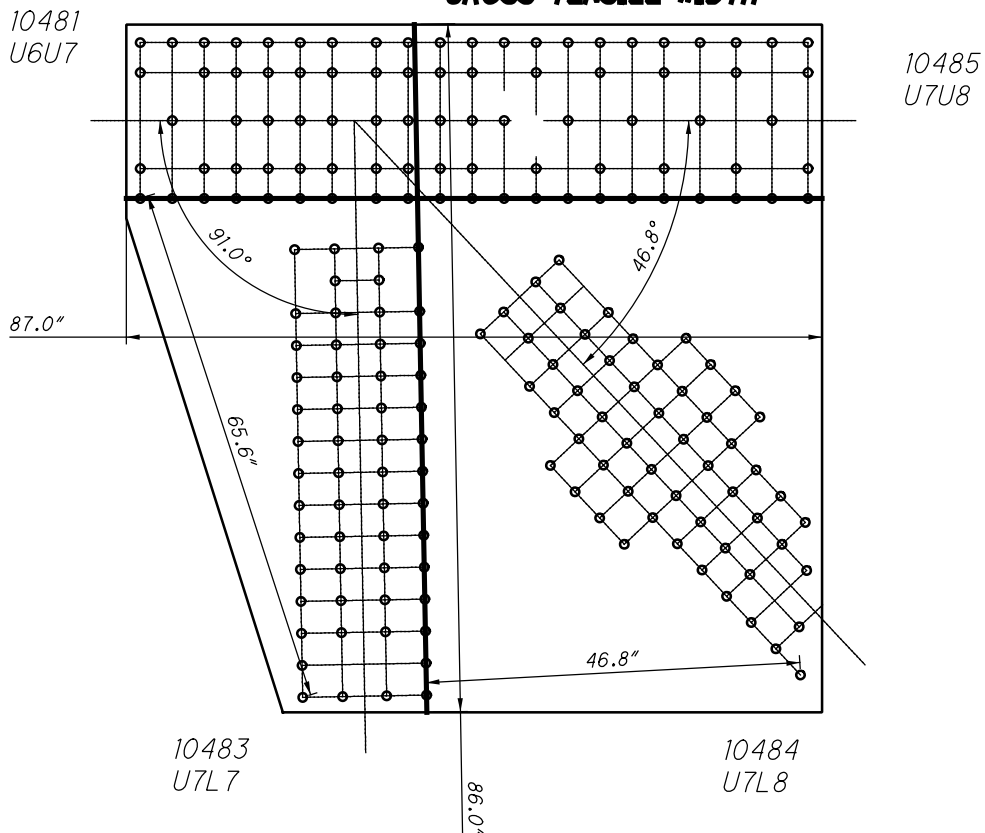
**U48 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



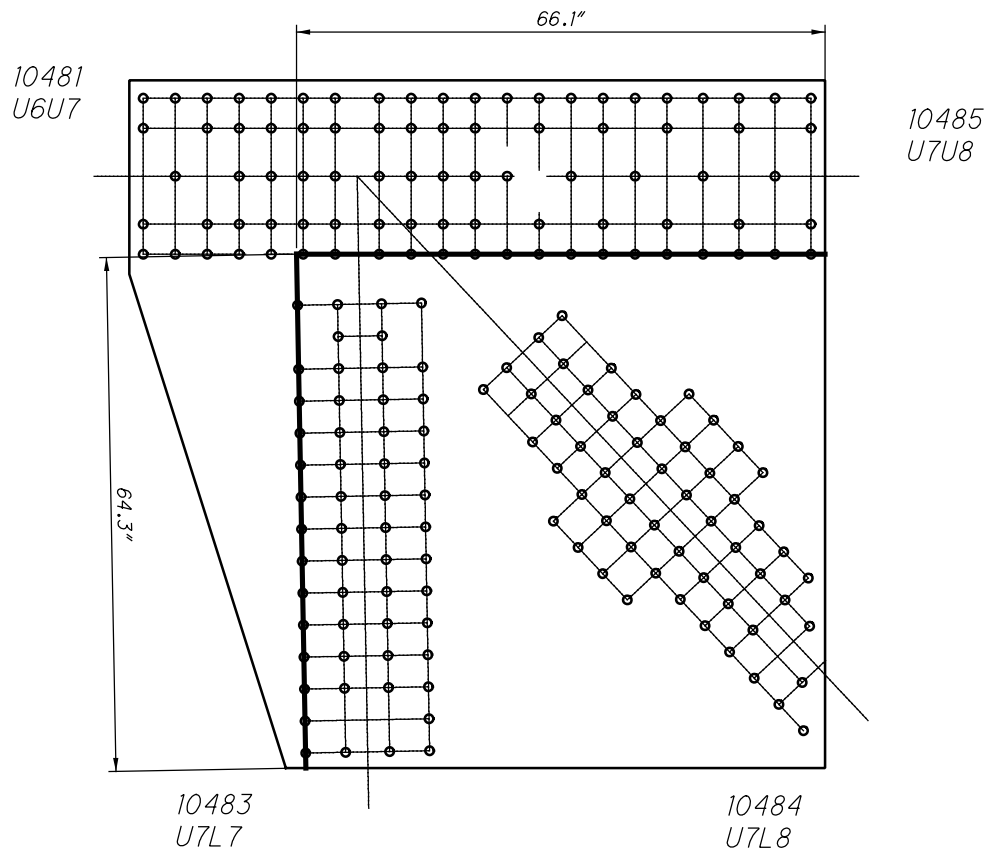
**U48 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



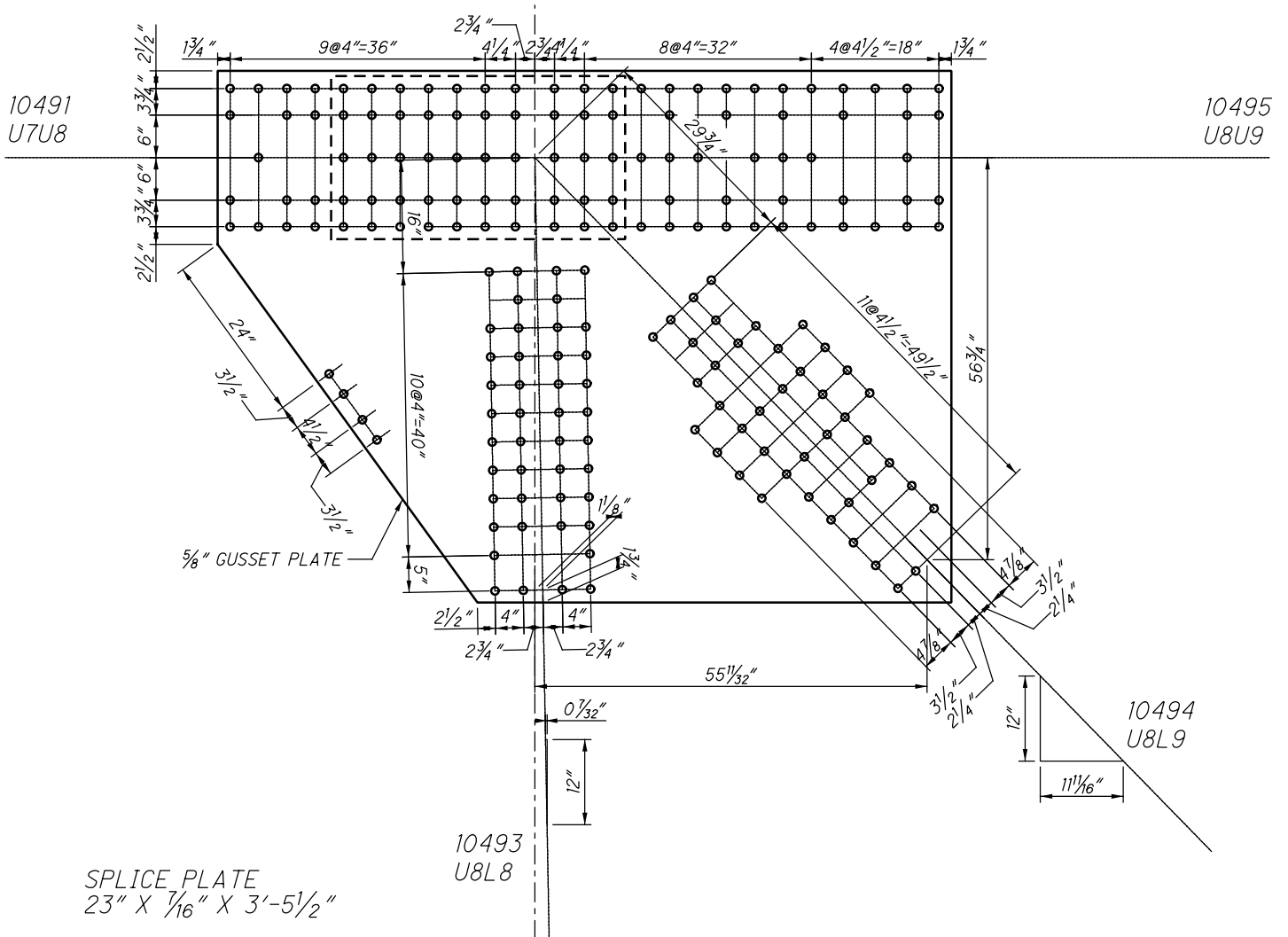
**U48 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U48 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



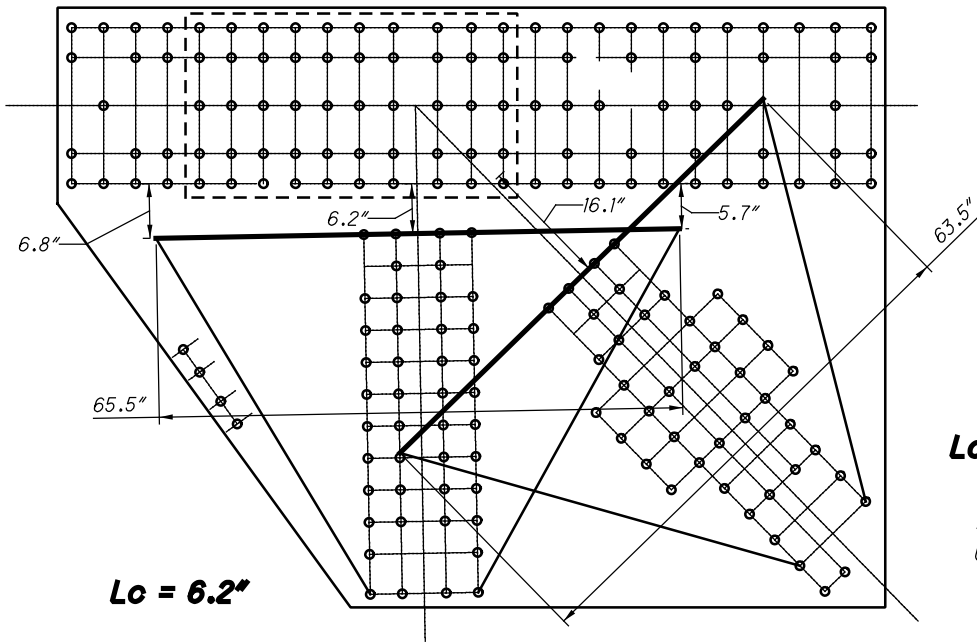
**U48 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U49 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10491
U7U8

10495
U8U9

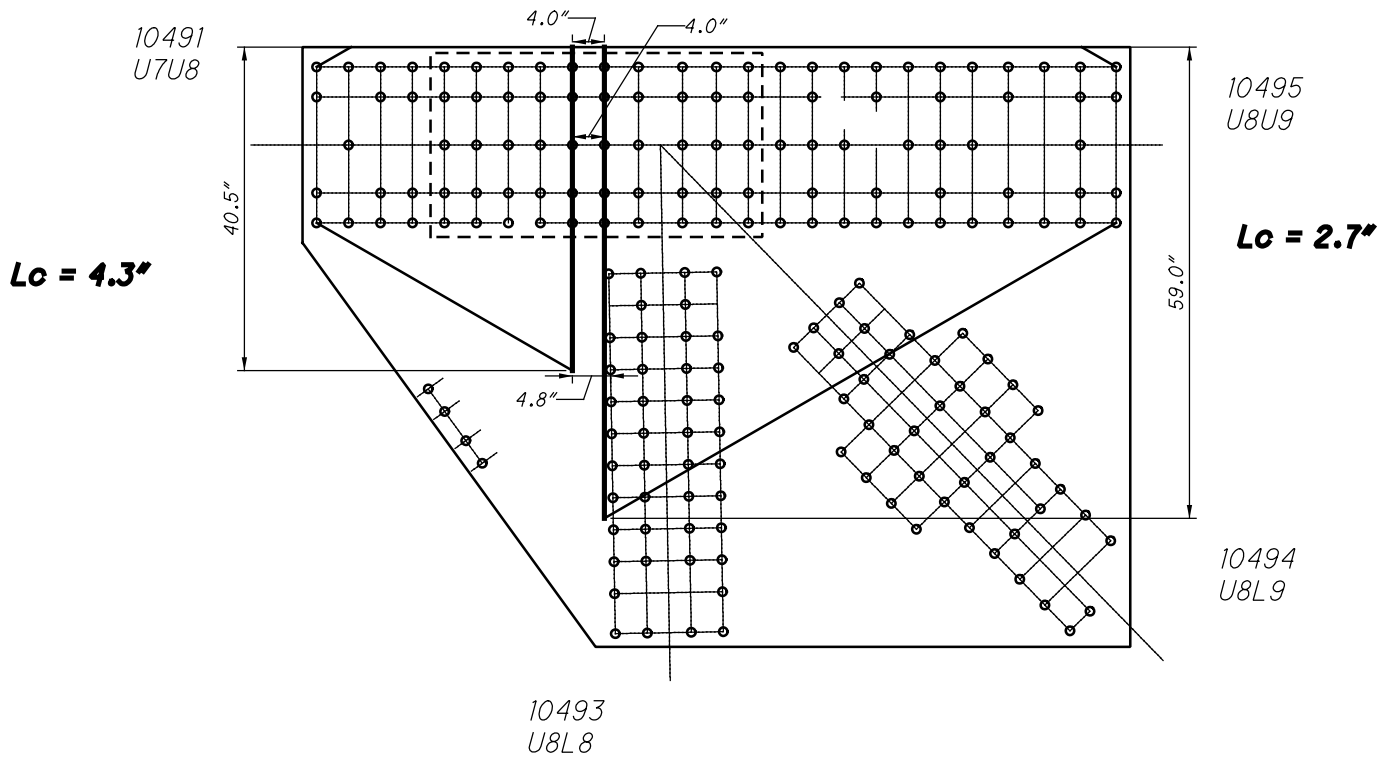


10493
U8L8

**U49 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

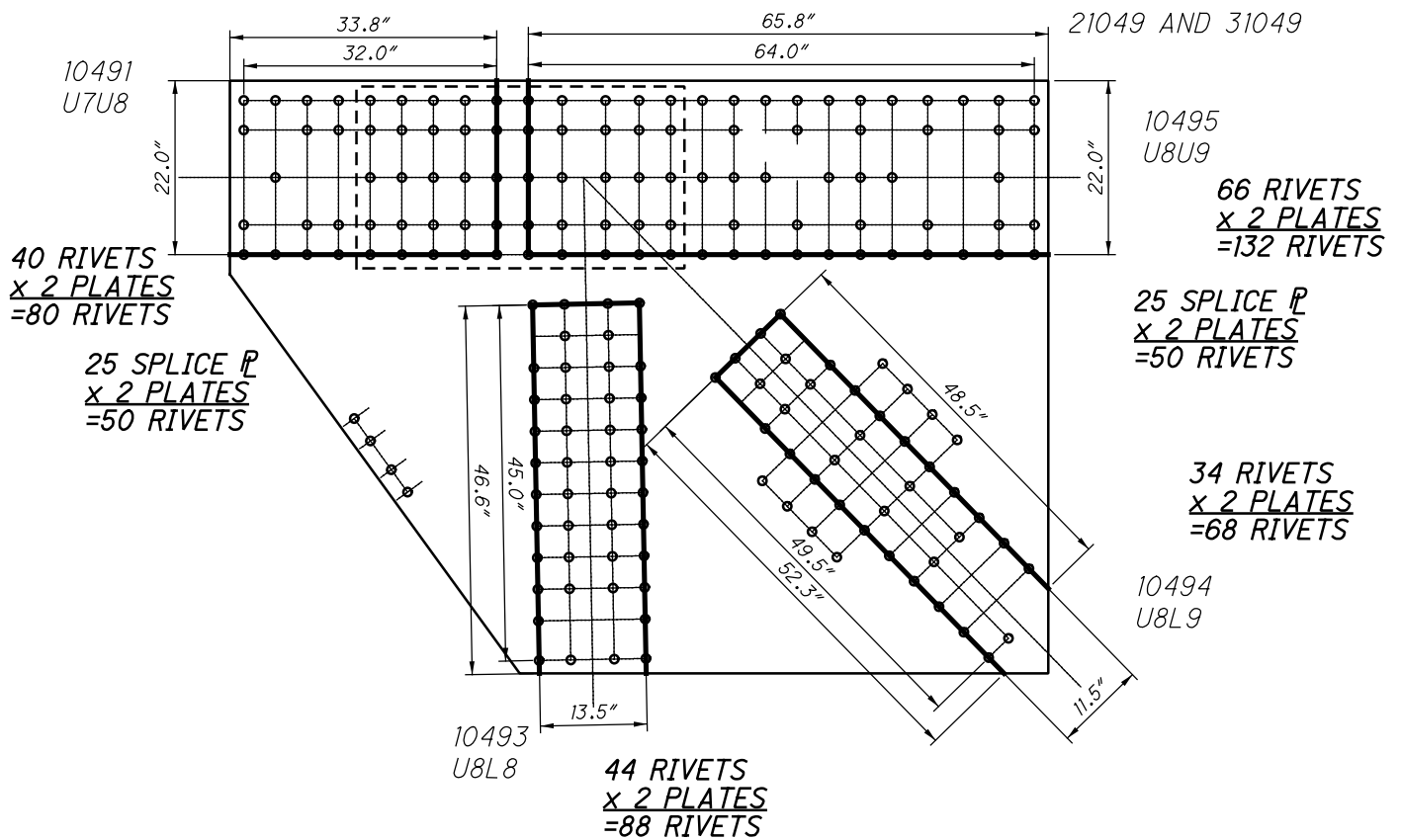
10491
U7U8

10495
U8U9

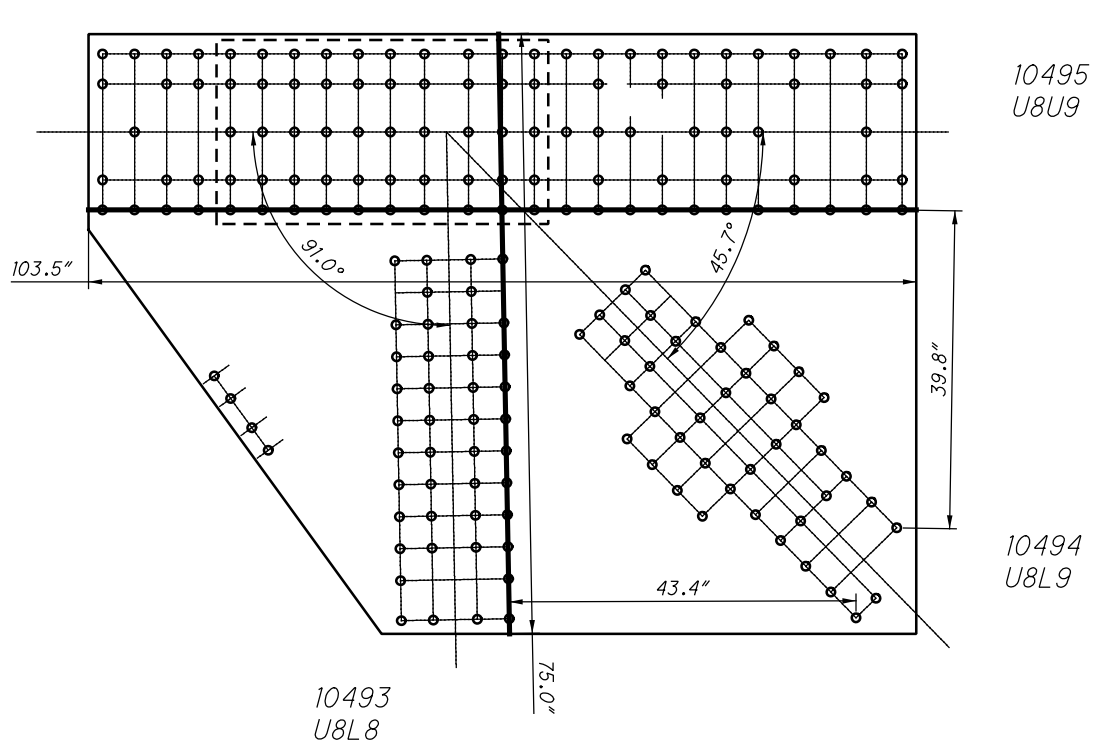


10493
U8L8

**U49 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U49 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U49 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

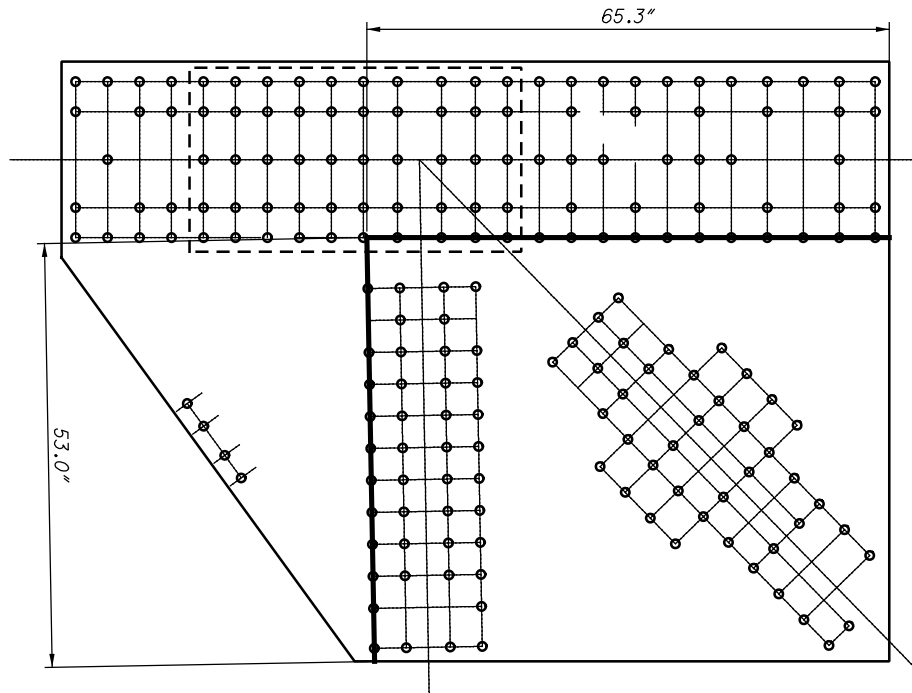
10491
U7U8

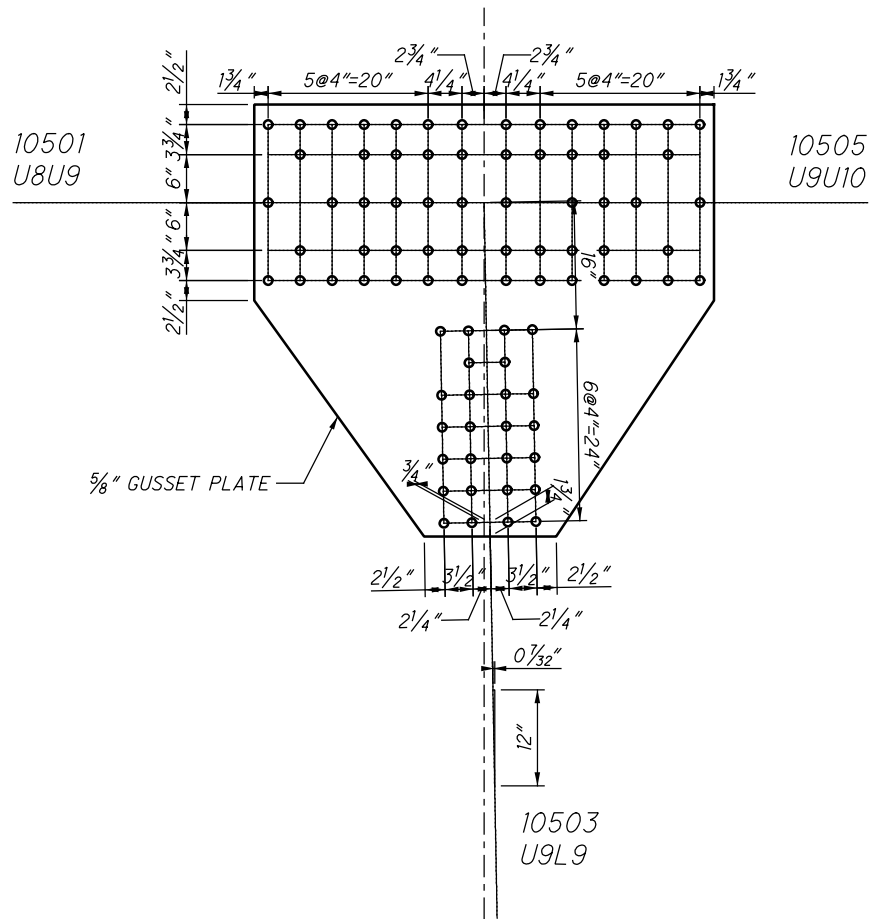
10495
U8U9

10494
U8L9

10493
U8L8

**U49 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

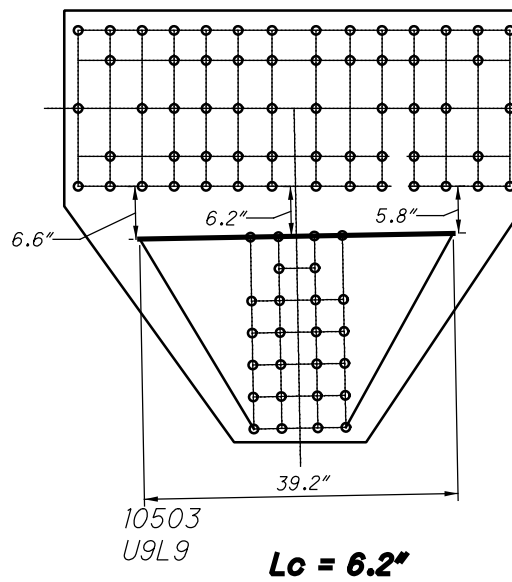




**U50 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10501
U8U9

10505
U9U10

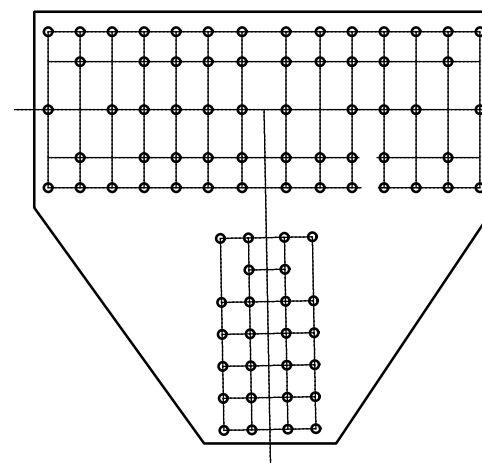


**U50 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10501
U8U9

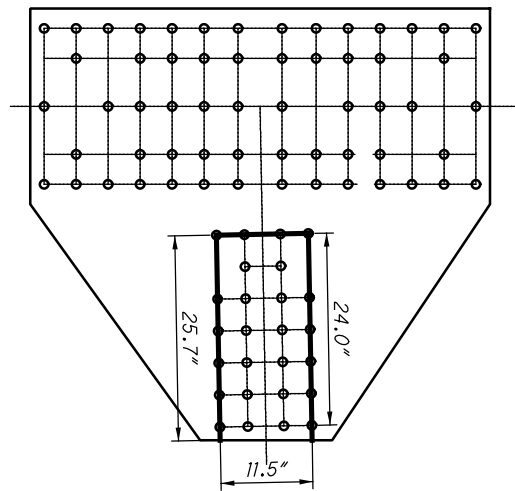
10505
U9U10



**U50 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10501
U8U9

10505
U9U10



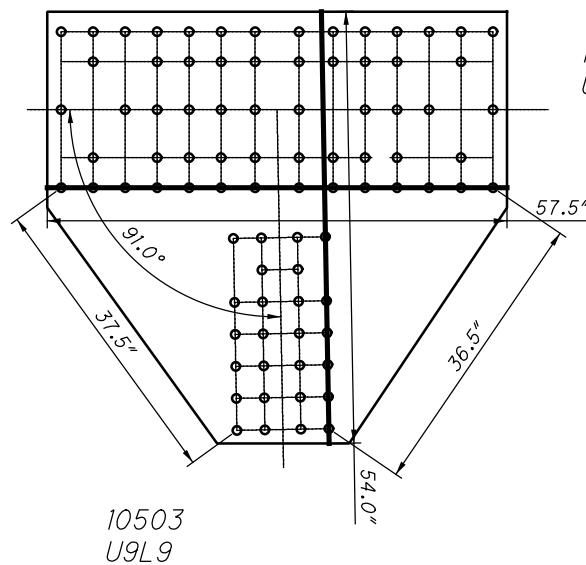
10503
U9L9

26 RIVETS
x 2 PLATES
= 52 RIVETS

**U50 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

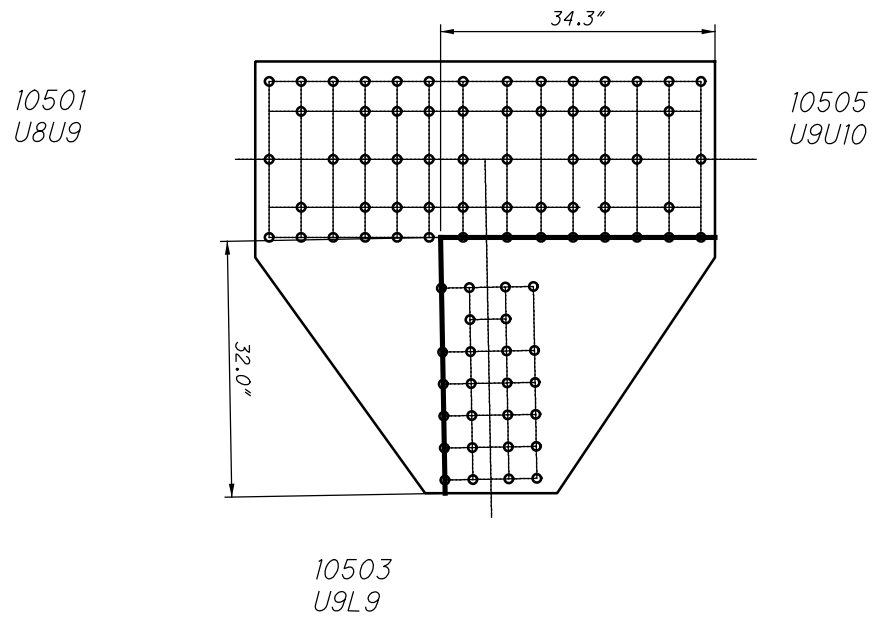
10501
U8U9

10505
U9U10

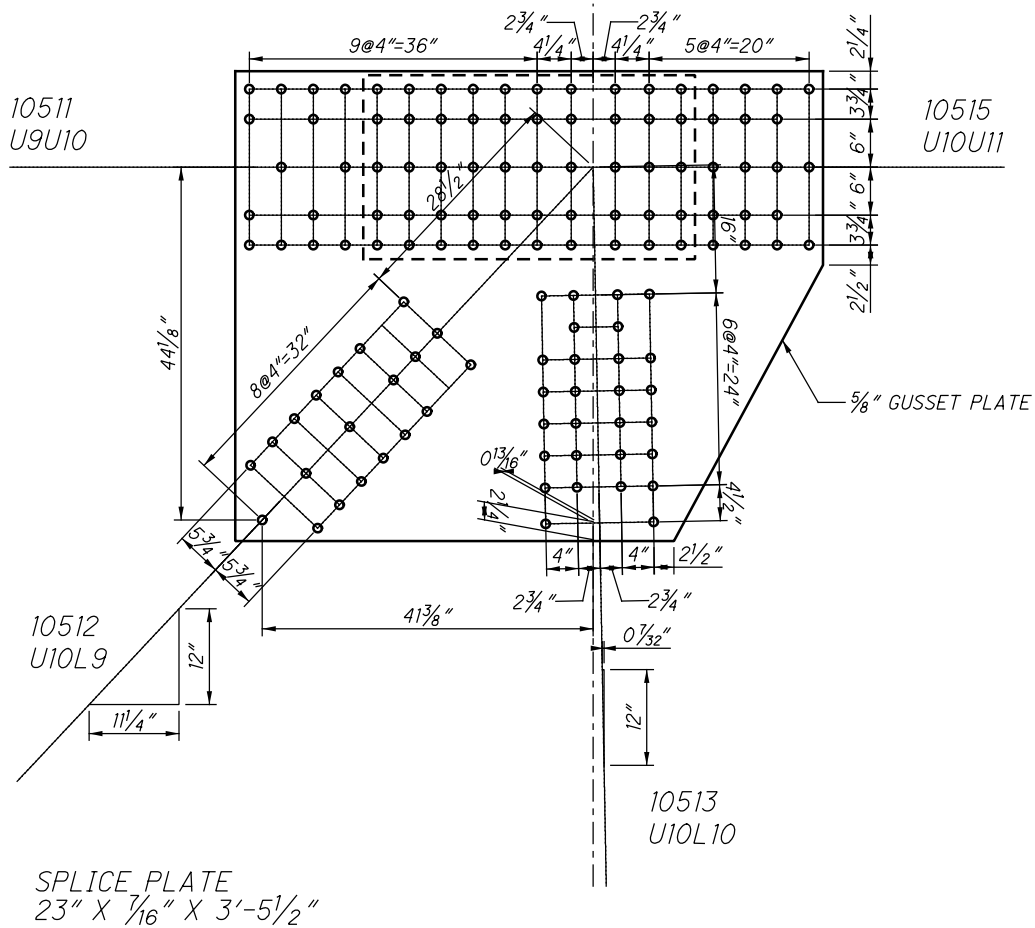


10503
U9L9

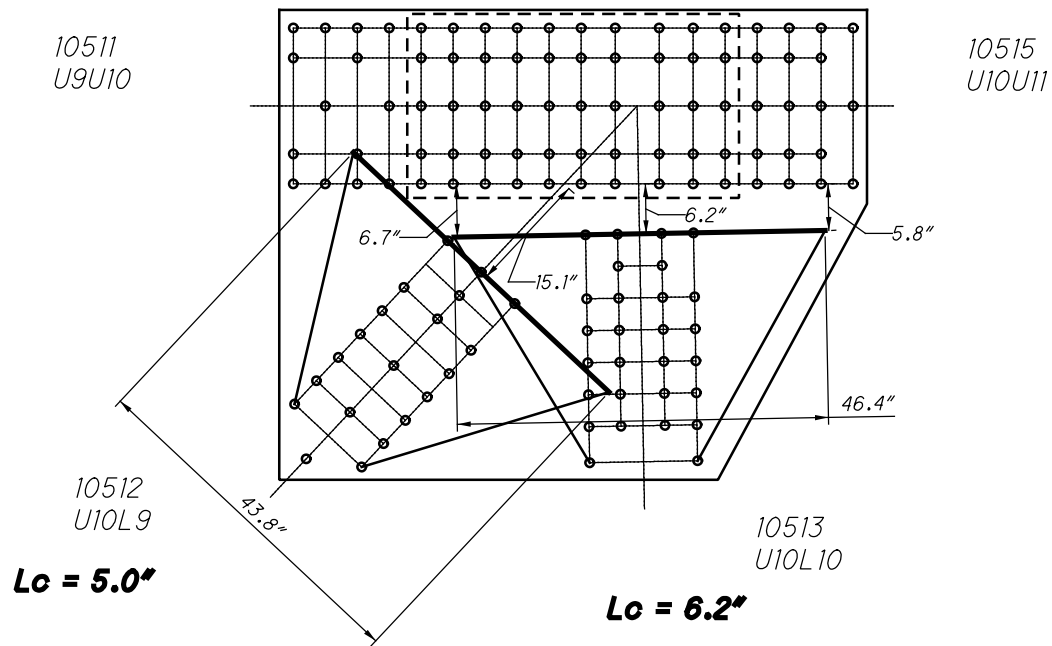
**U50 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



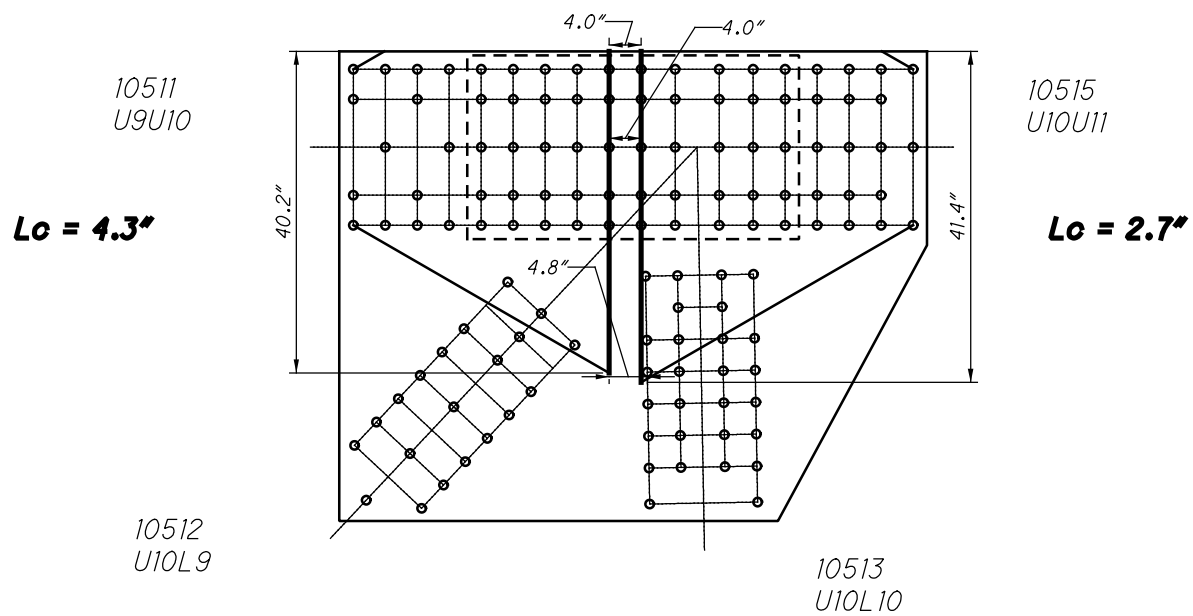
**U50 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U51 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**



**U51 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U51 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

39 RIVETS
x 2 PLATES
=78 RIVETS

10511
U9U10

25 SPLICE P
x 2 PLATES
=50 RIVETS

10512
U10L9

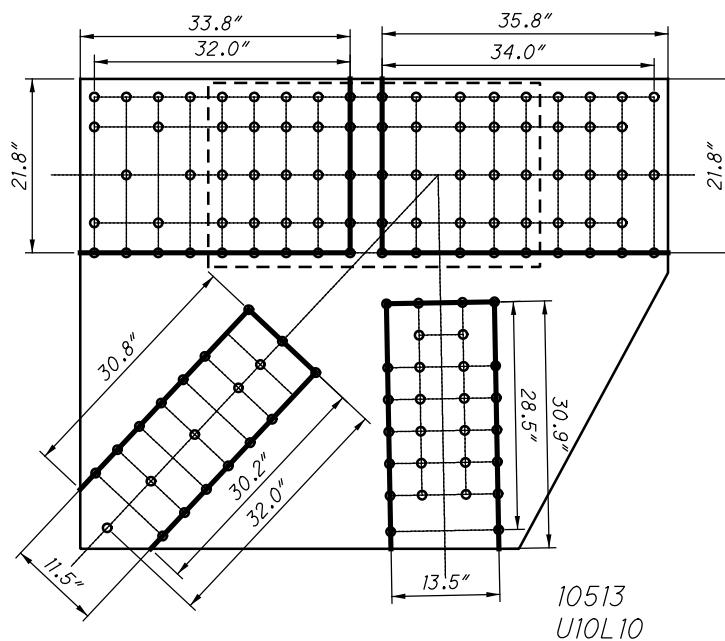
20 RIVETS
x 2 PLATES
=40 RIVETS

21051 AND 31051

10515
U10U11

43 RIVETS
x 2 PLATES
=86 RIVETS

25 SPLICE P
x 2 PLATES
=50 RIVETS



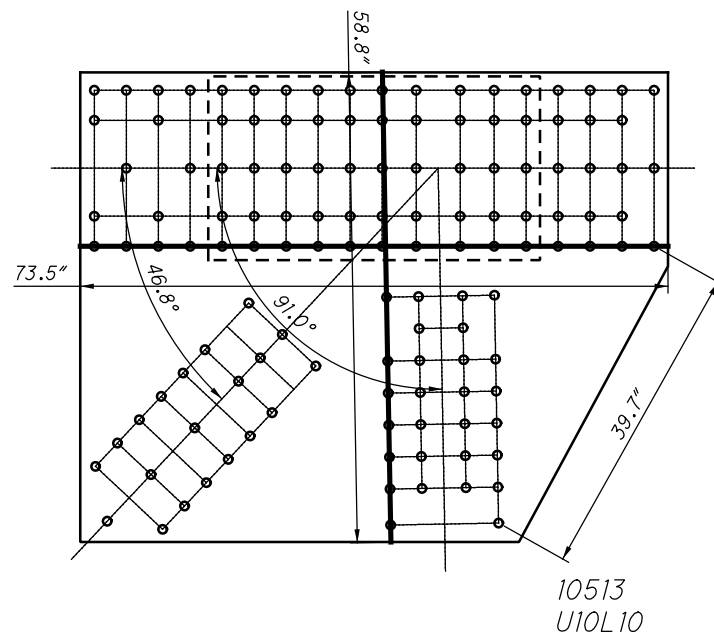
**U51 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10511
U9U10

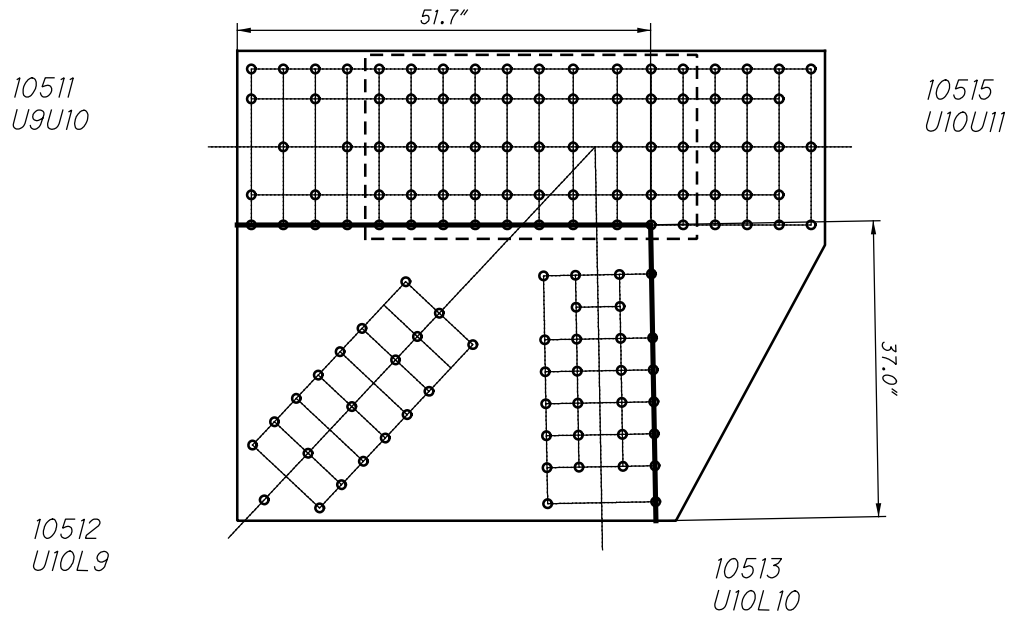
10515
U10U11

10512
U10L9

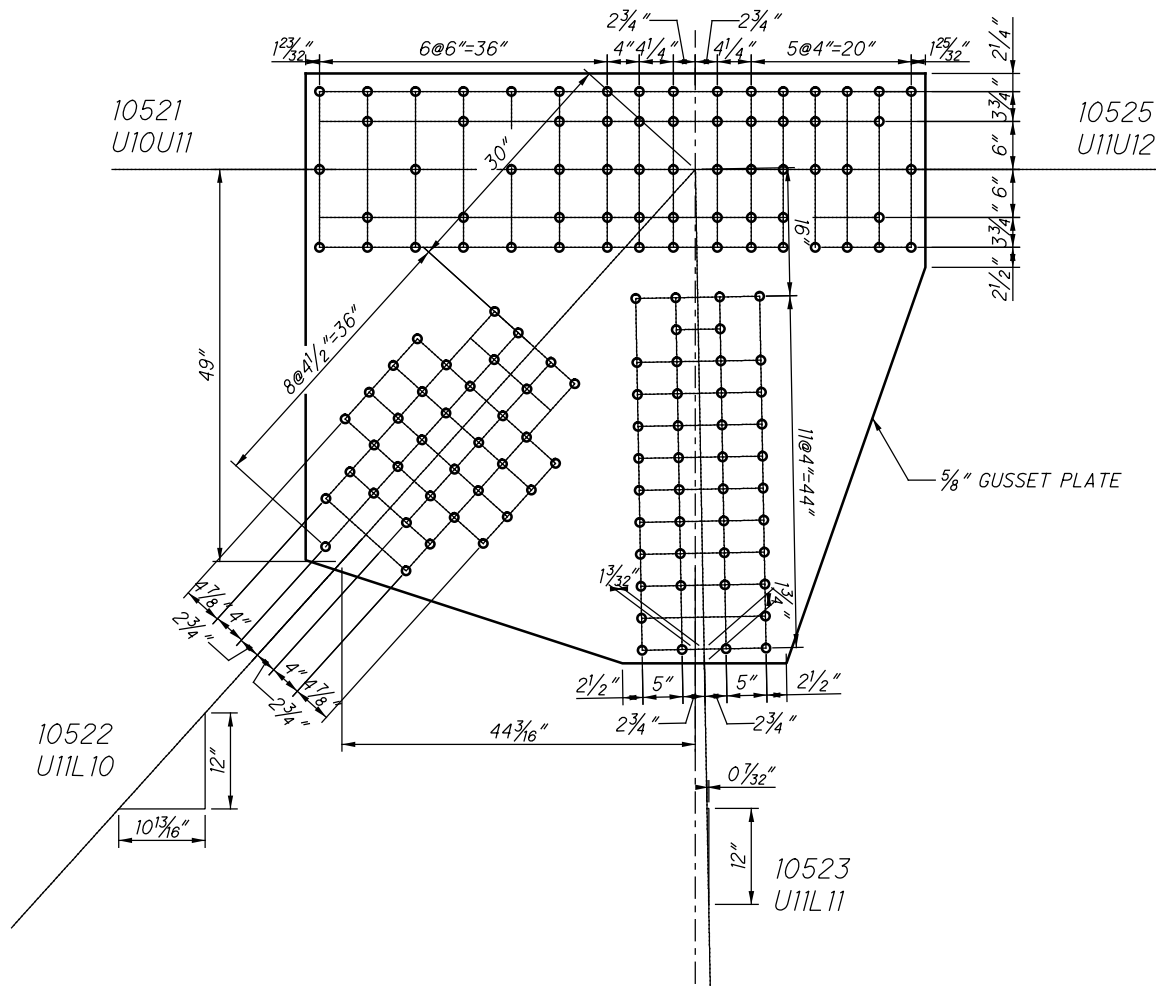
10513
U10L10



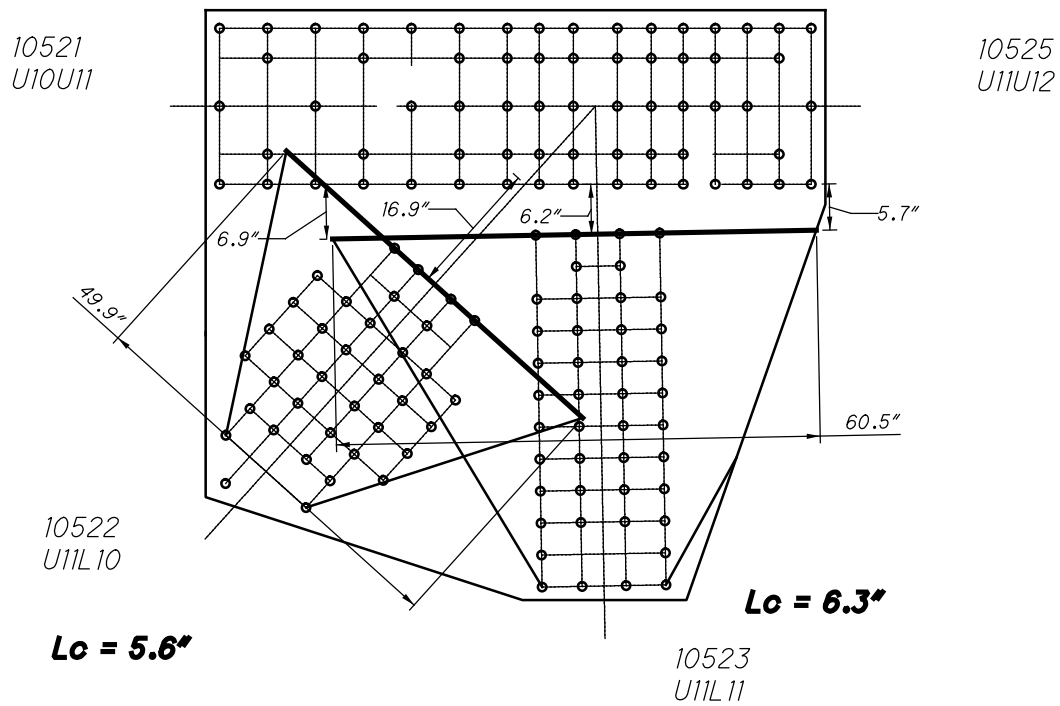
**U51 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



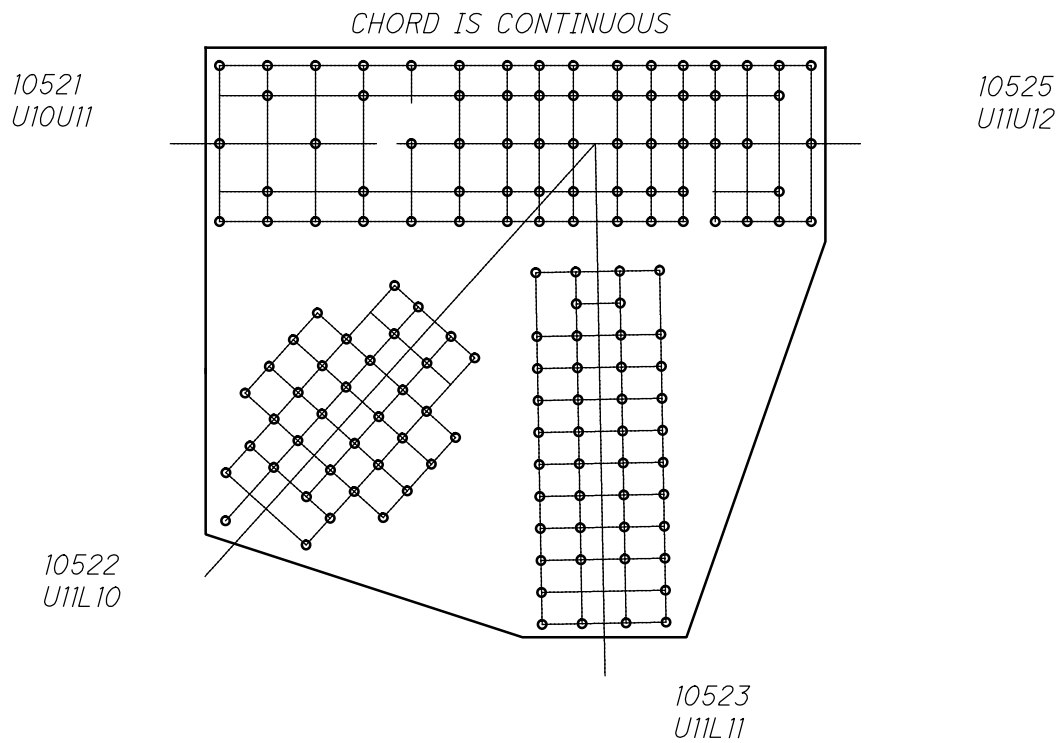
**U51 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



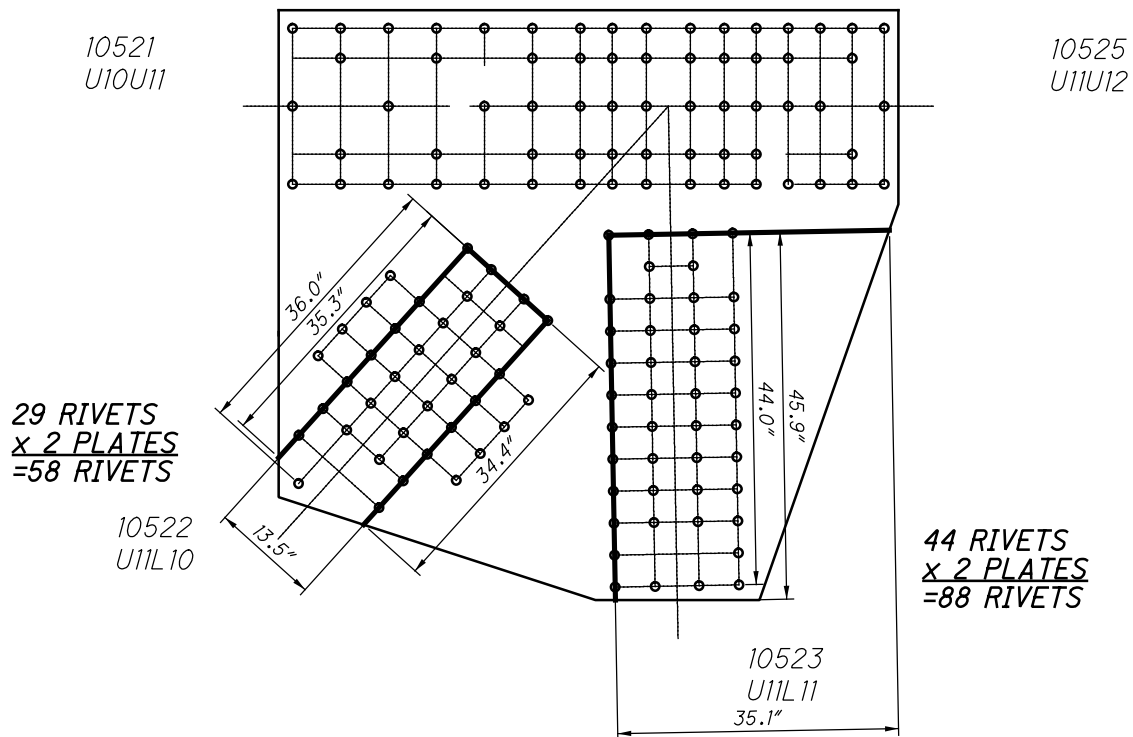
**U2 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**



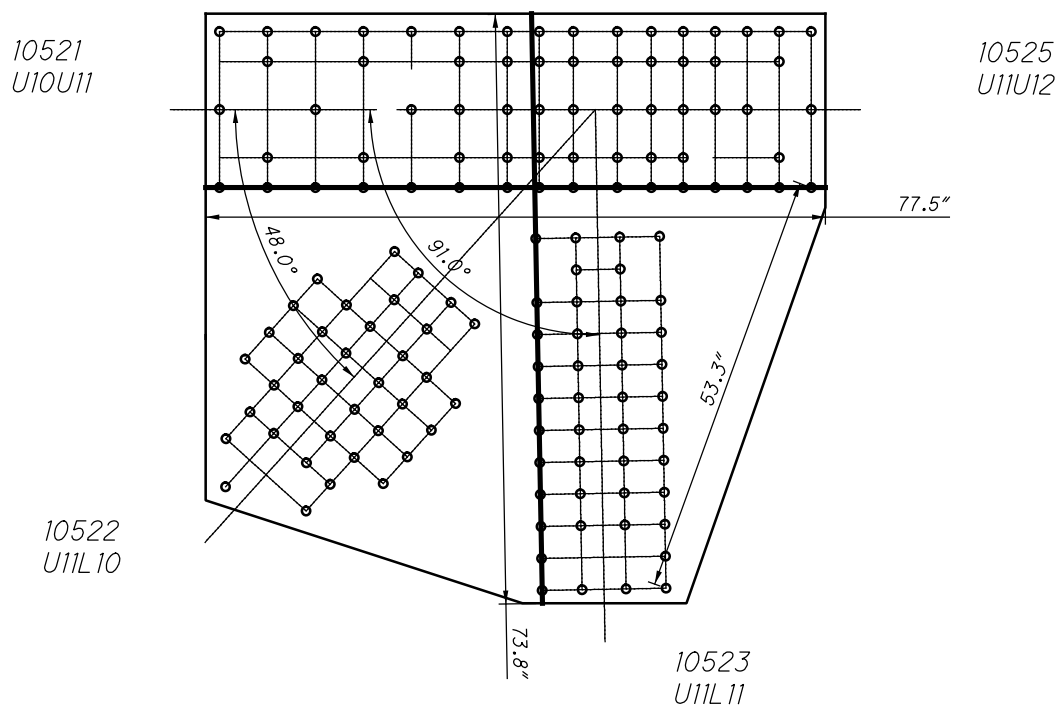
**U52 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



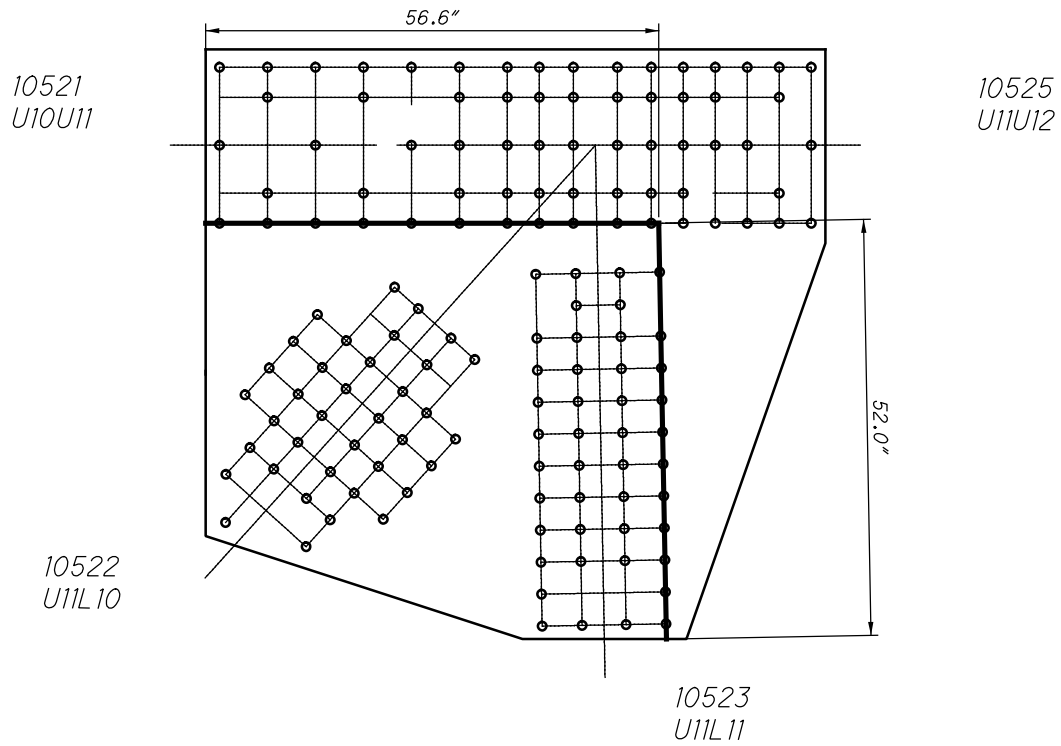
**U52 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



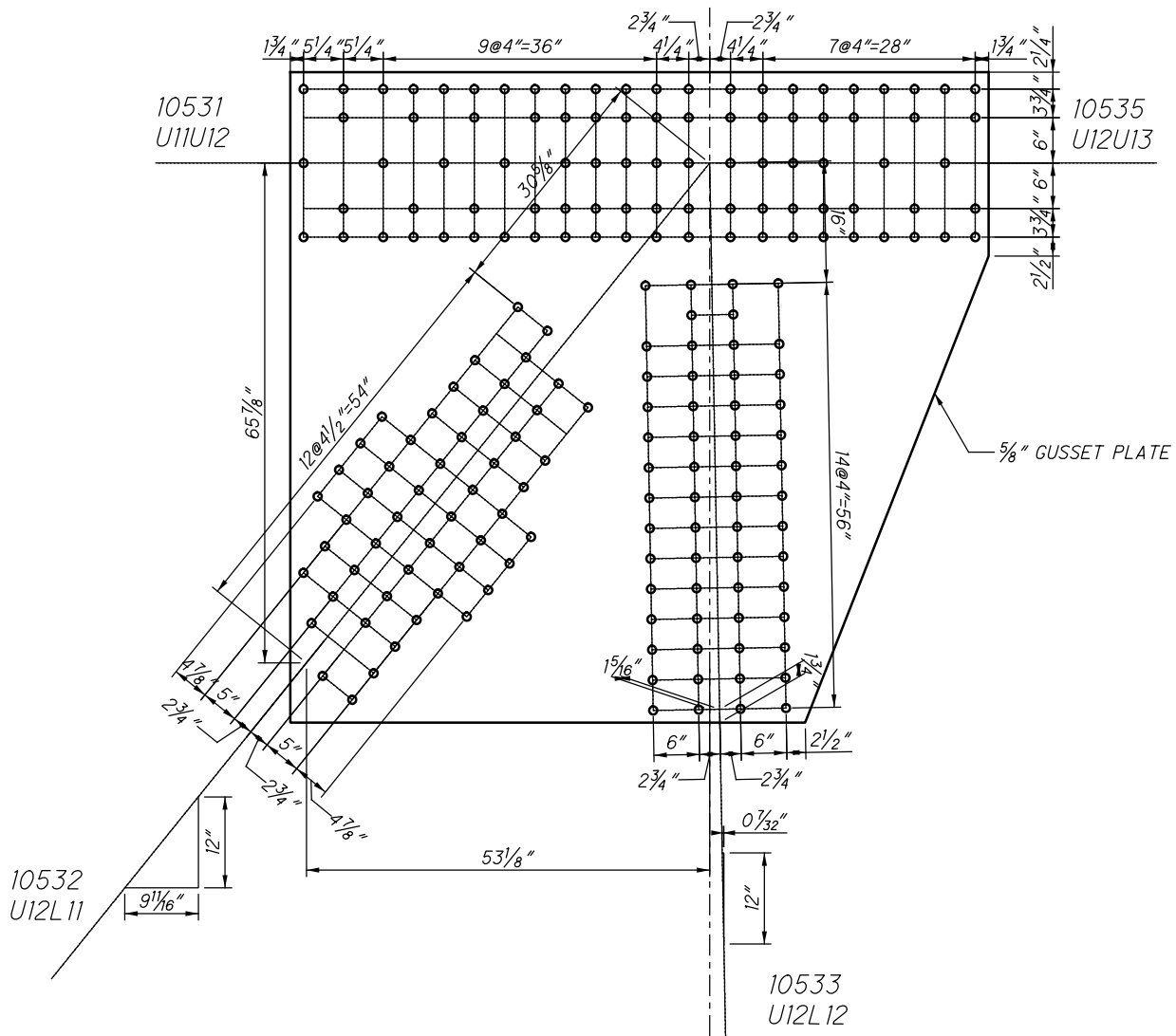
**U52 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U52 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

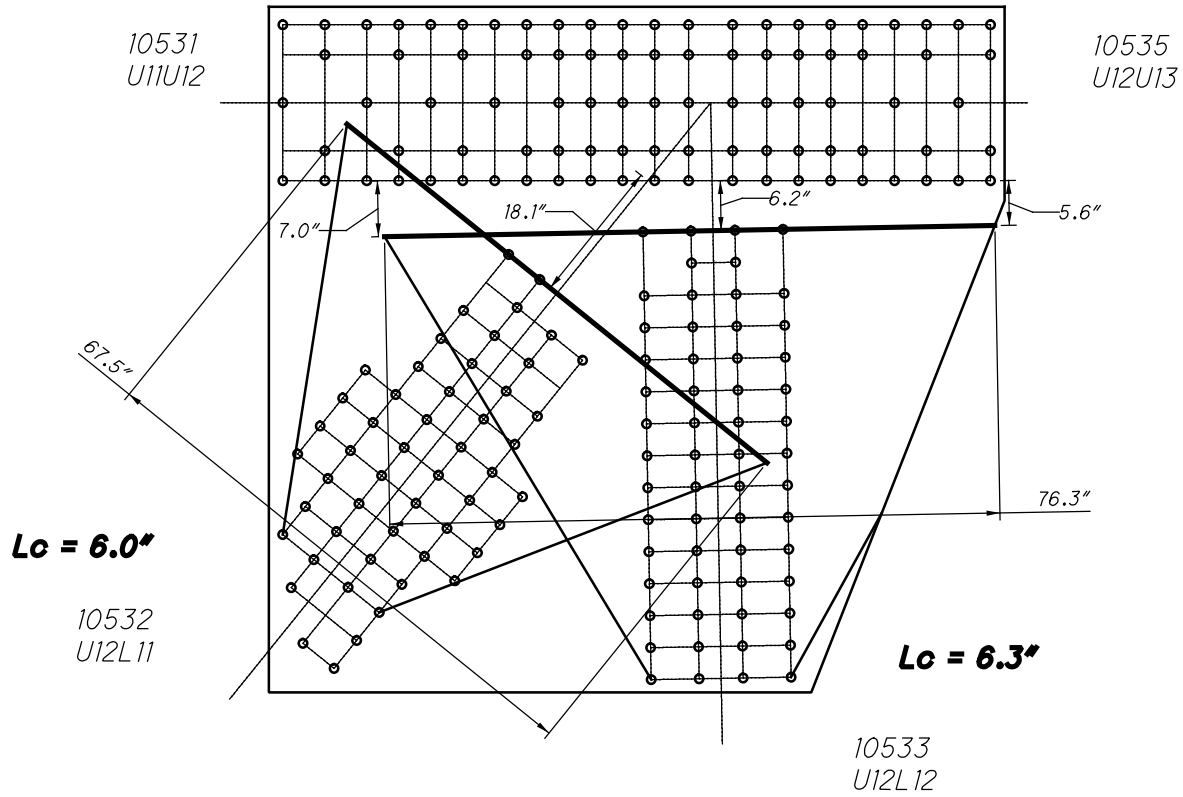


**U52 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

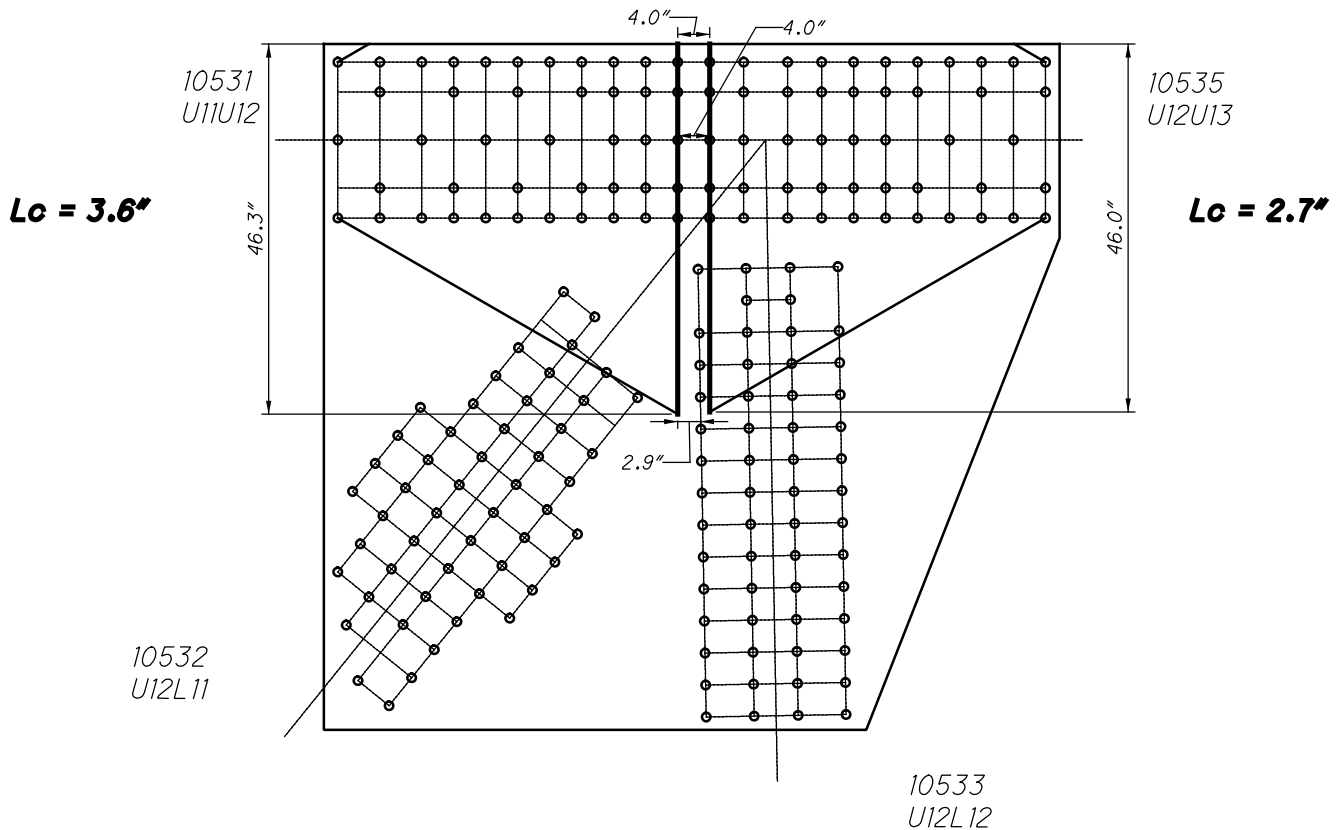


**U53 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

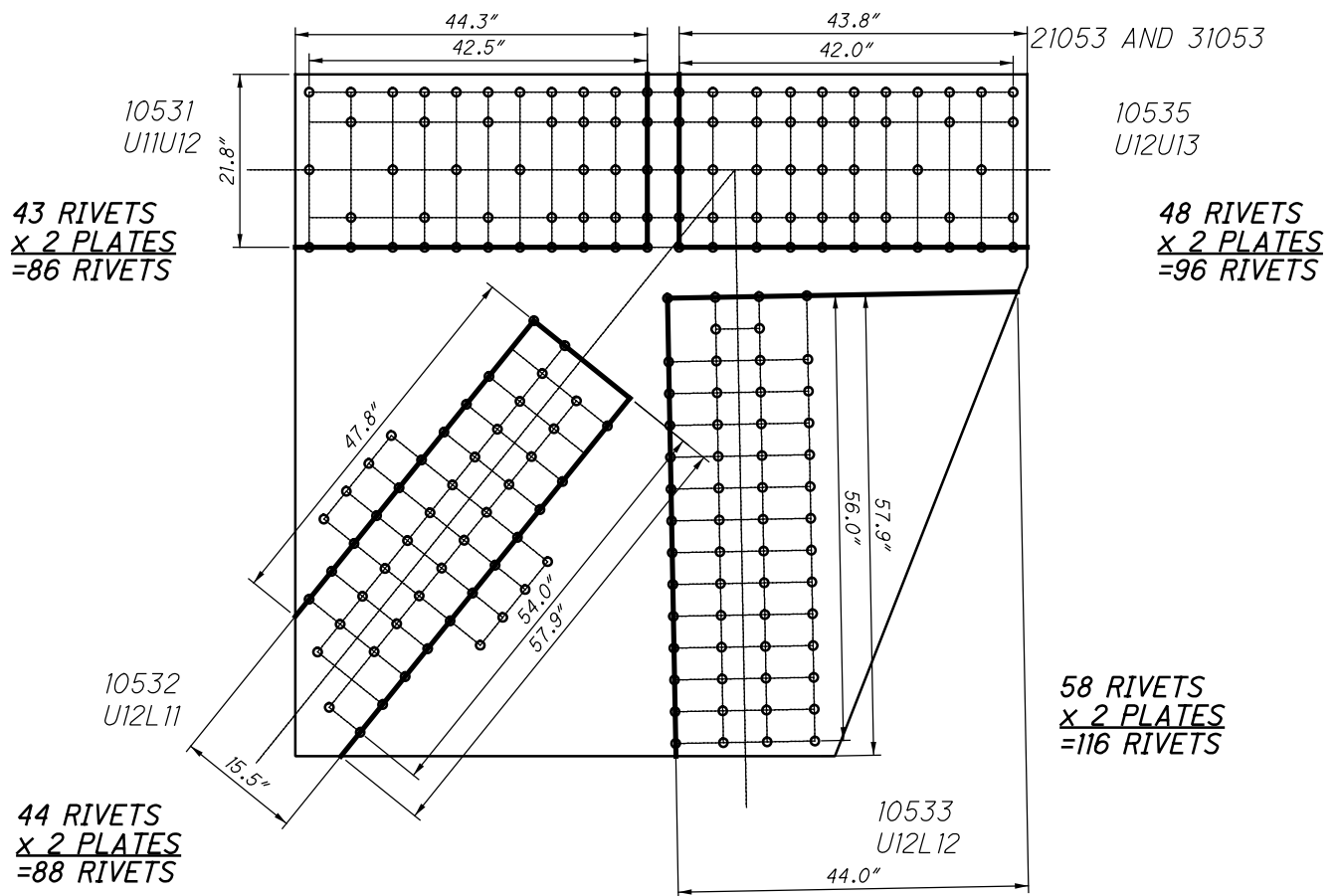
21053 AND 31053



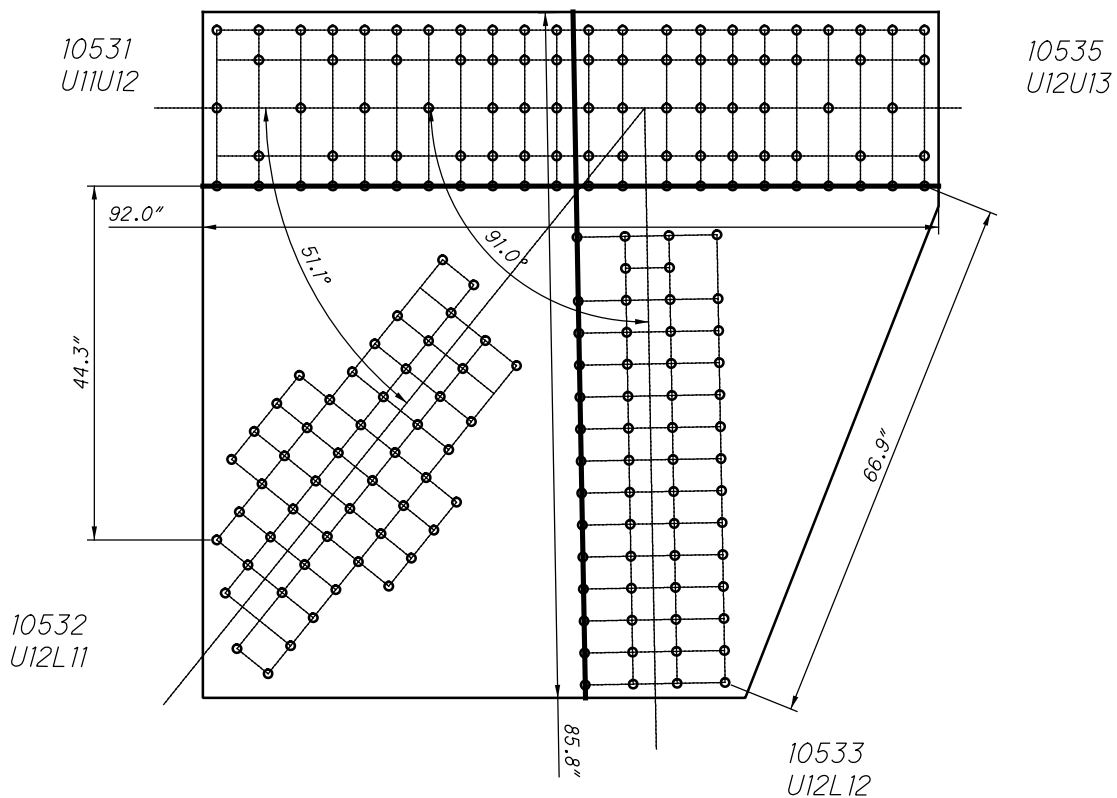
**U53 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



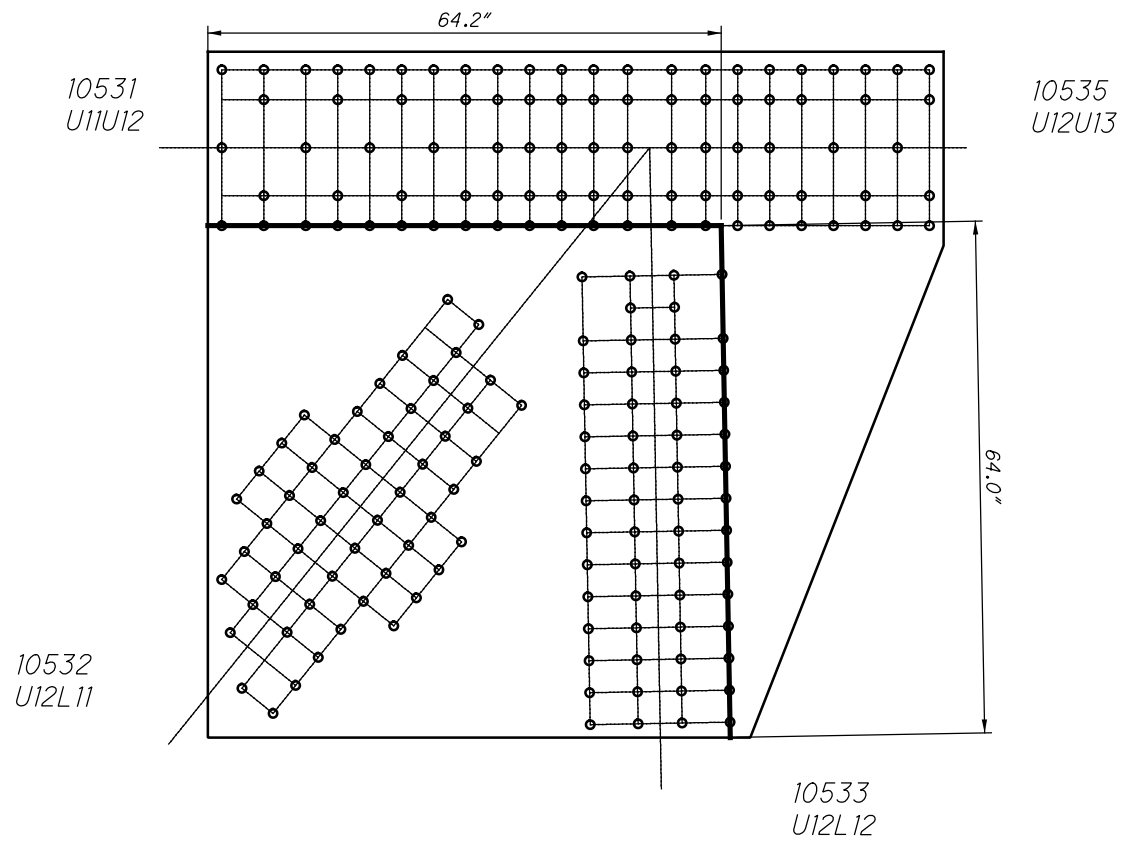
**U53 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



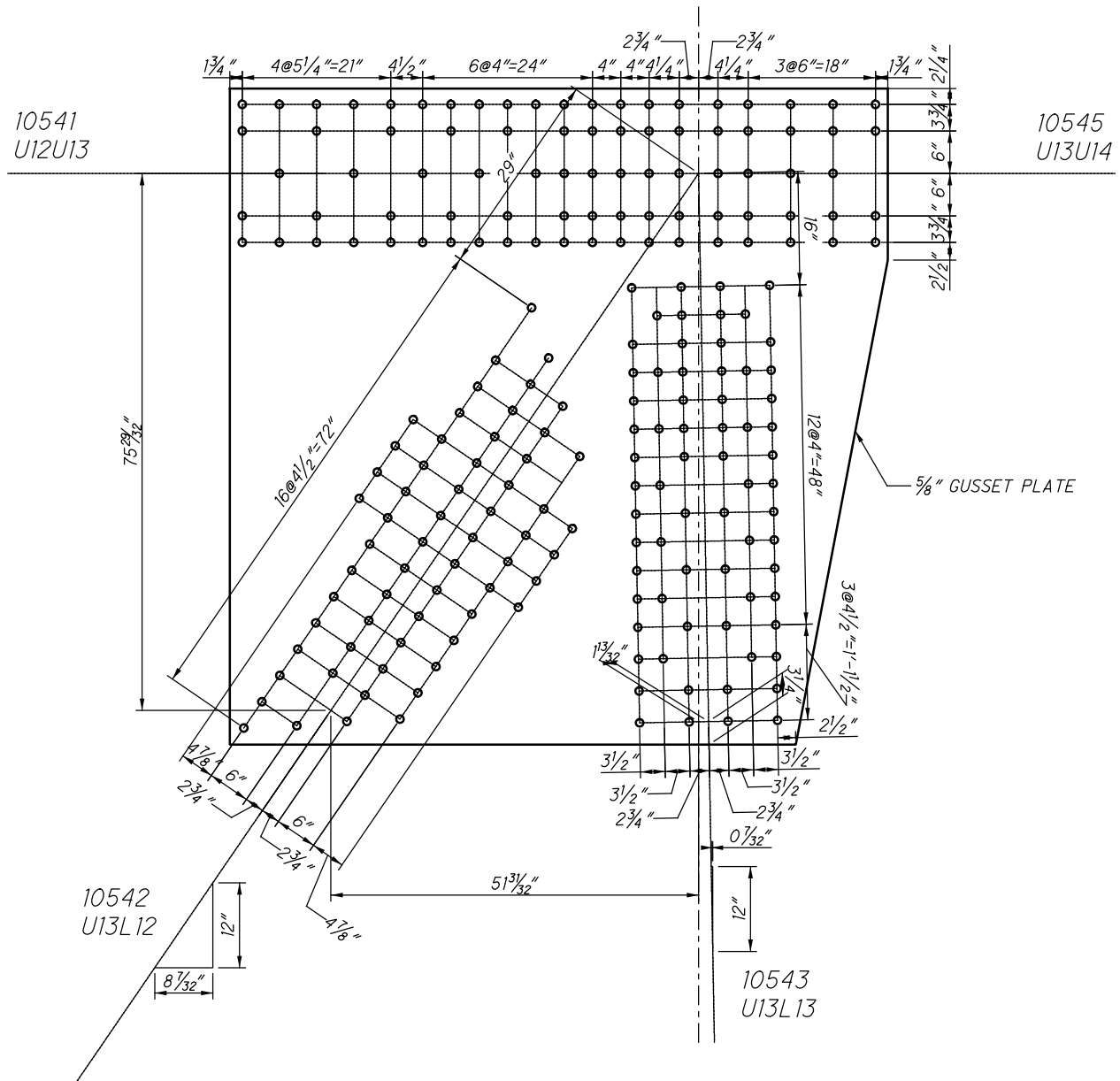
**U53 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U53 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



**U53 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U54 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10541
U12U13

10545
U13U14

$L_c = 8.7''$

10542
U13L12

$L_c = 6.4''$

10543
U13L13

**U54 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

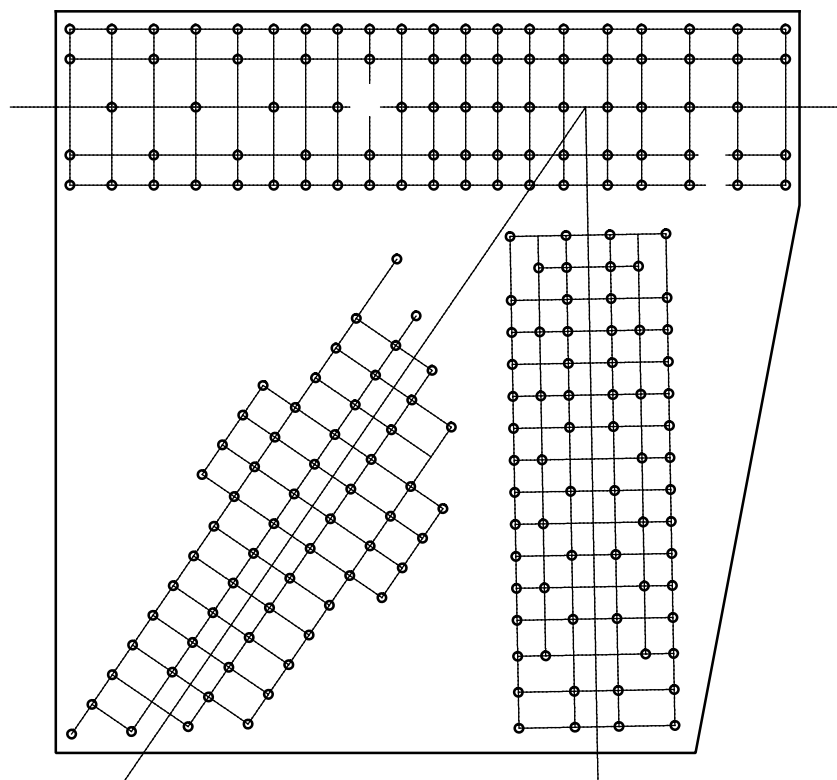
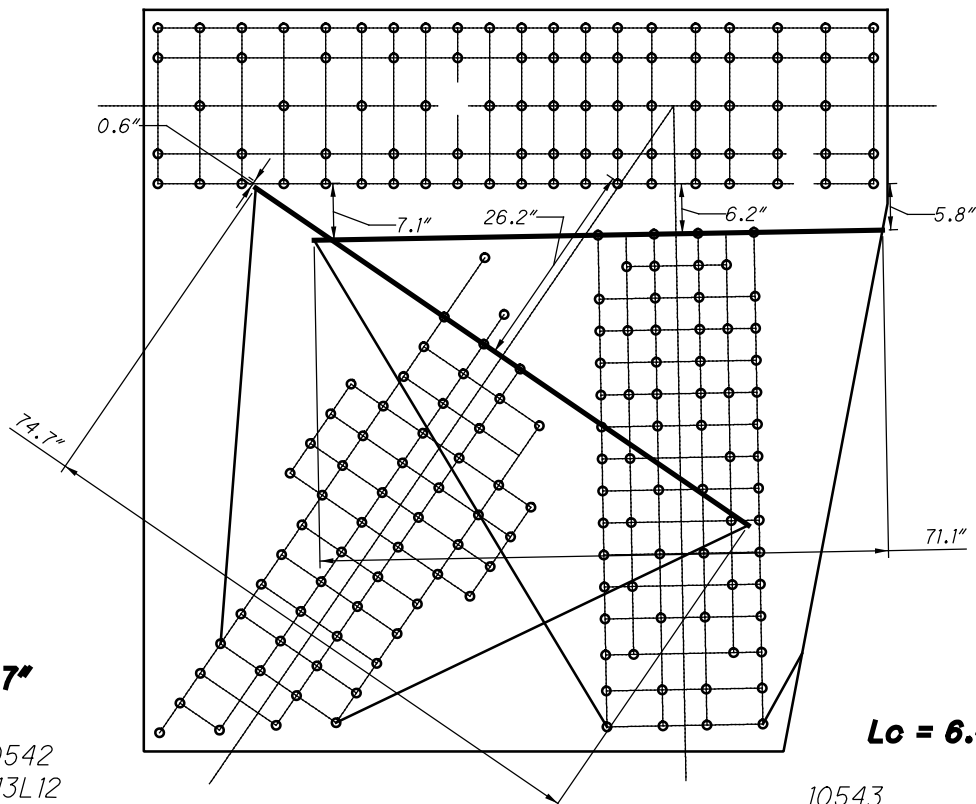
10541
U12U13

10545
U13U14

10542
U13L12

10543
U13L13

**U54 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



10541
U12U13

10545
U13U14

53 RIVETS
x 2 PLATES
=106 RIVETS

10542
U13L12

68 RIVETS
x 2 PLATES
=136 RIVETS

10543
U13L13

**U54 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

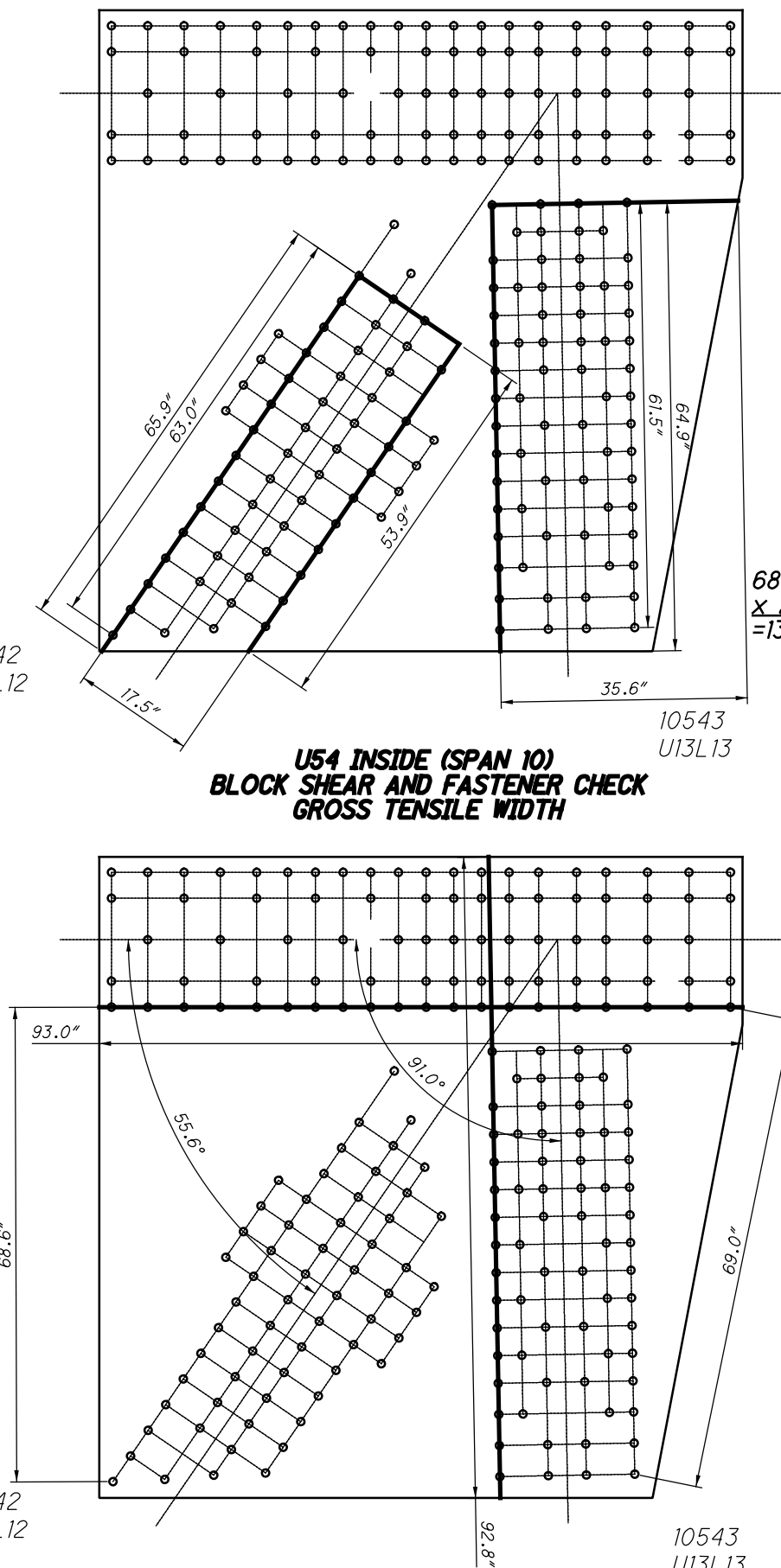
10541
U12U13

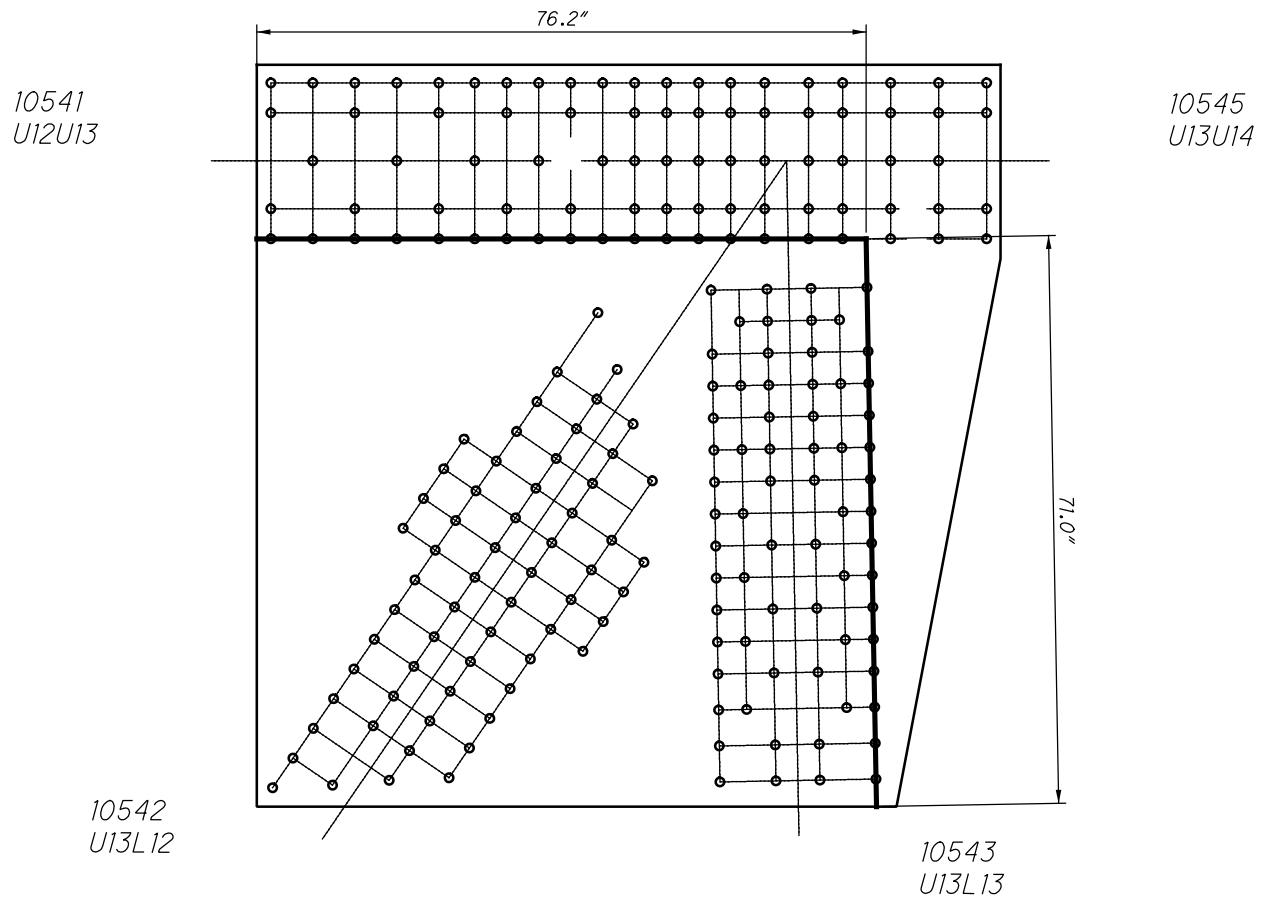
10545
U13U14

10542
U13L12

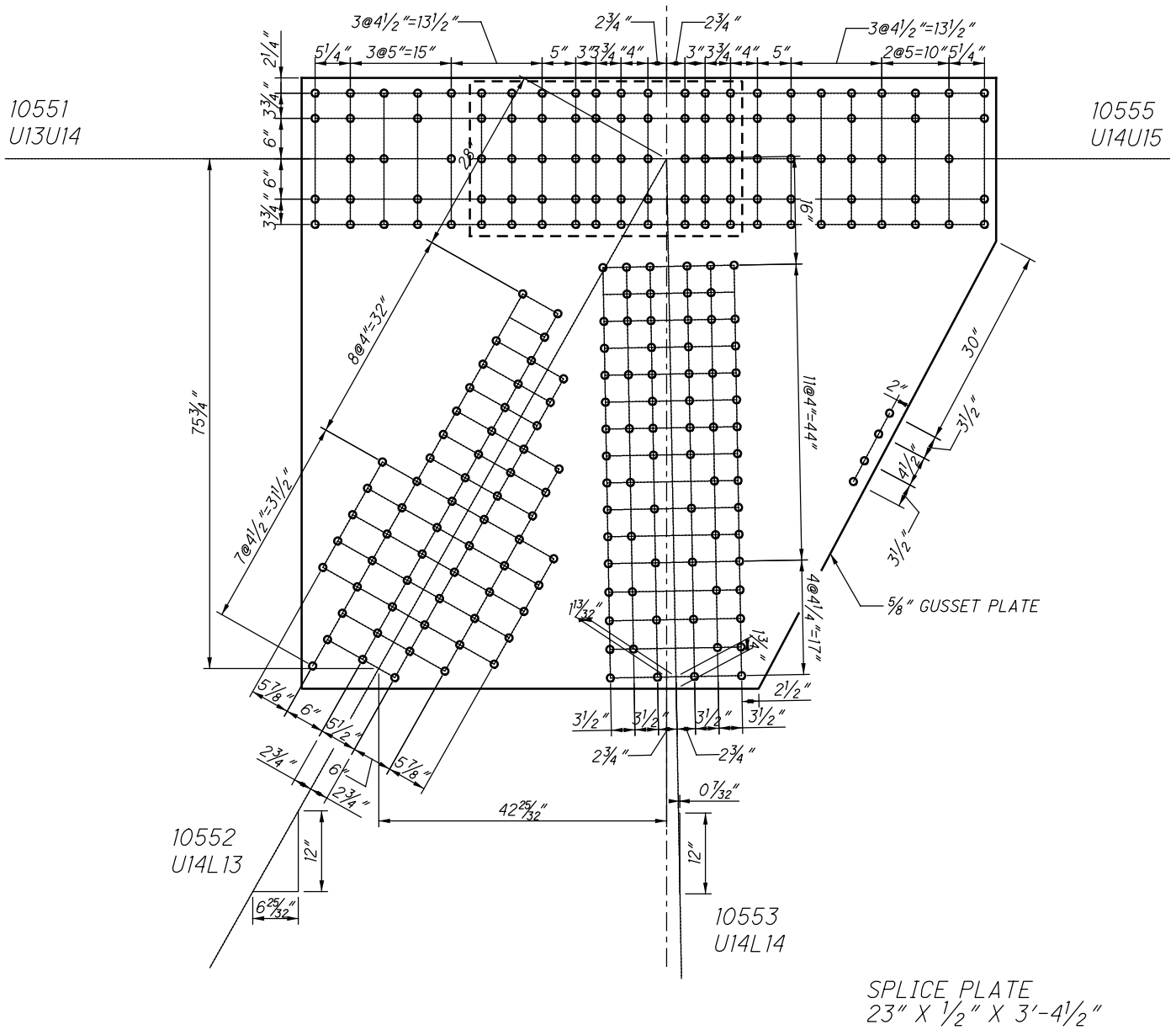
10543
U13L13

**U54 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**





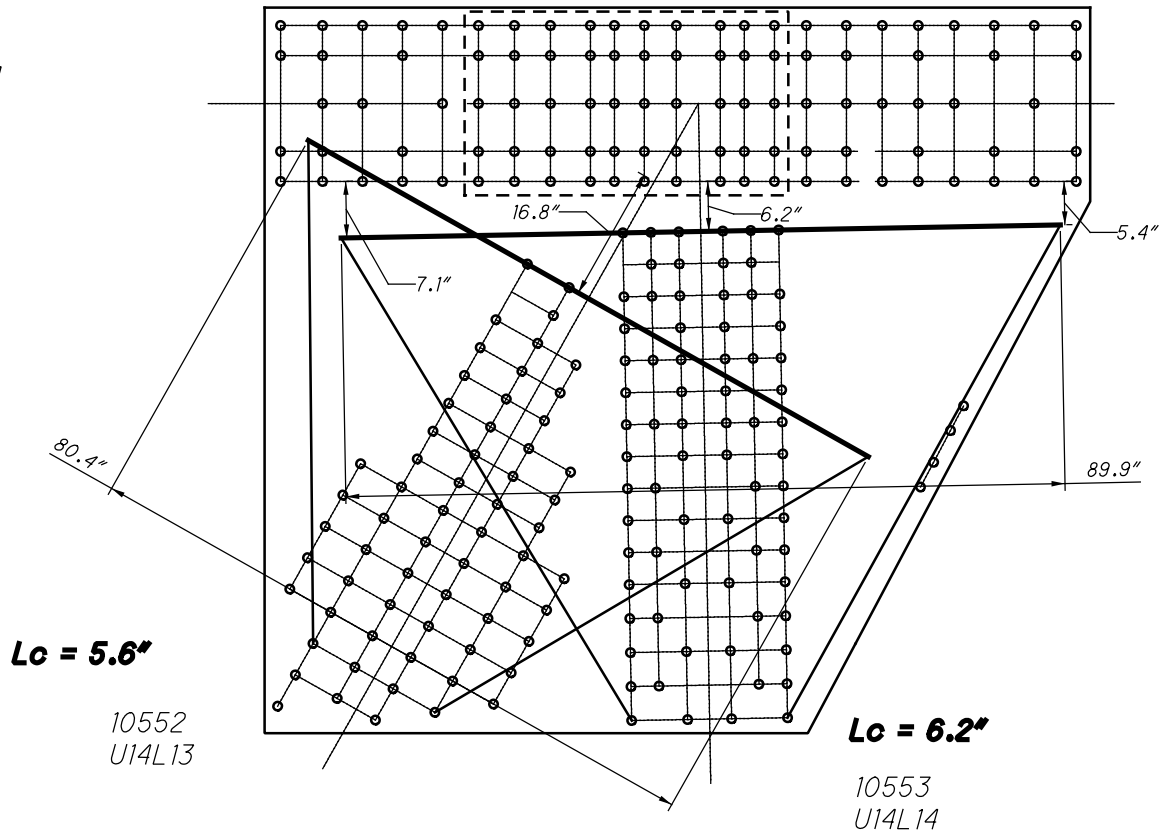
**U54 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U55 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10551
U13U14

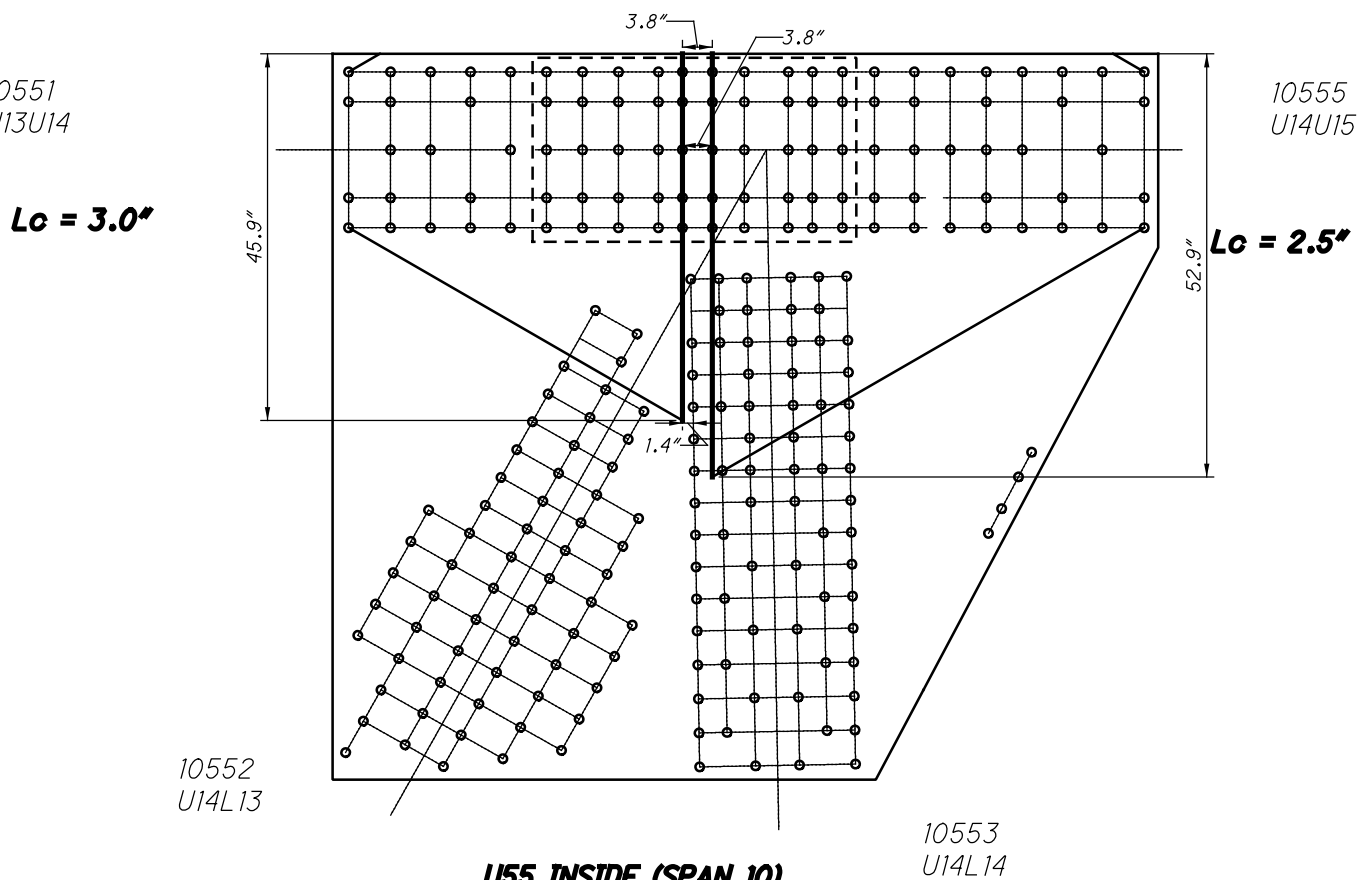
10555
U14U15



**U55 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10551
U13U14

10555
U14U15



**U55 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21055 AND 31055

44 RIVETS
x 2 PLATES
=88 RIVETS

57 RIVETS
x 2 PLATES
=114 RIVETS

10551
U13U14

10555
U14U15

25 SPLICE P
x 2 PLATES
=50 RIVETS

25 SPLICE P
x 2 PLATES
=50 RIVETS

52 RIVETS
x 2 PLATES
=104 RIVETS

72 RIVETS
x 2 PLATES
=144 RIVETS

10552
U14L13

10553
U14L14

**U55 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

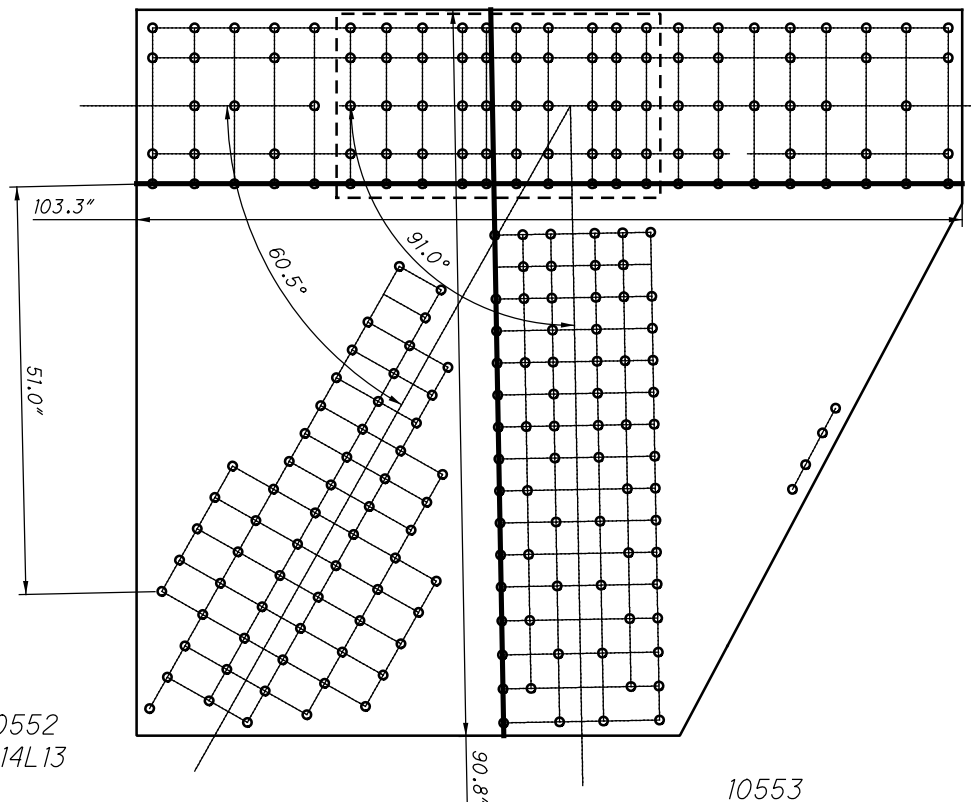
10551
U13U14

10555
U14U15

10552
U14L13

10553
U14L14

**U55 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

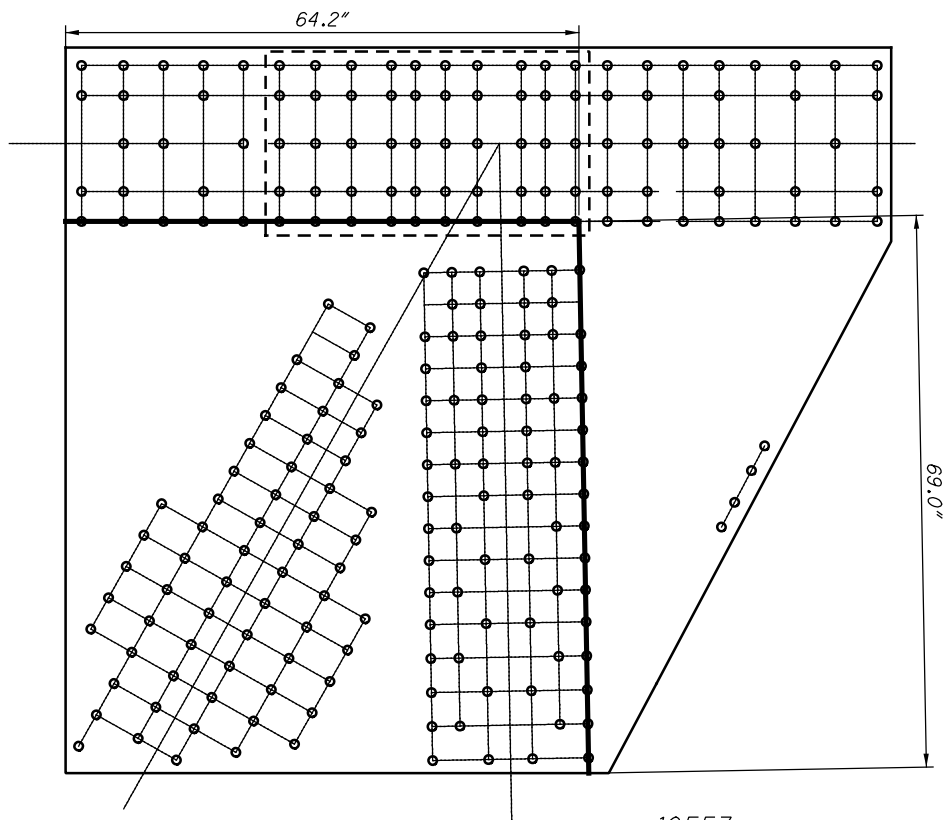


10551
U13U14

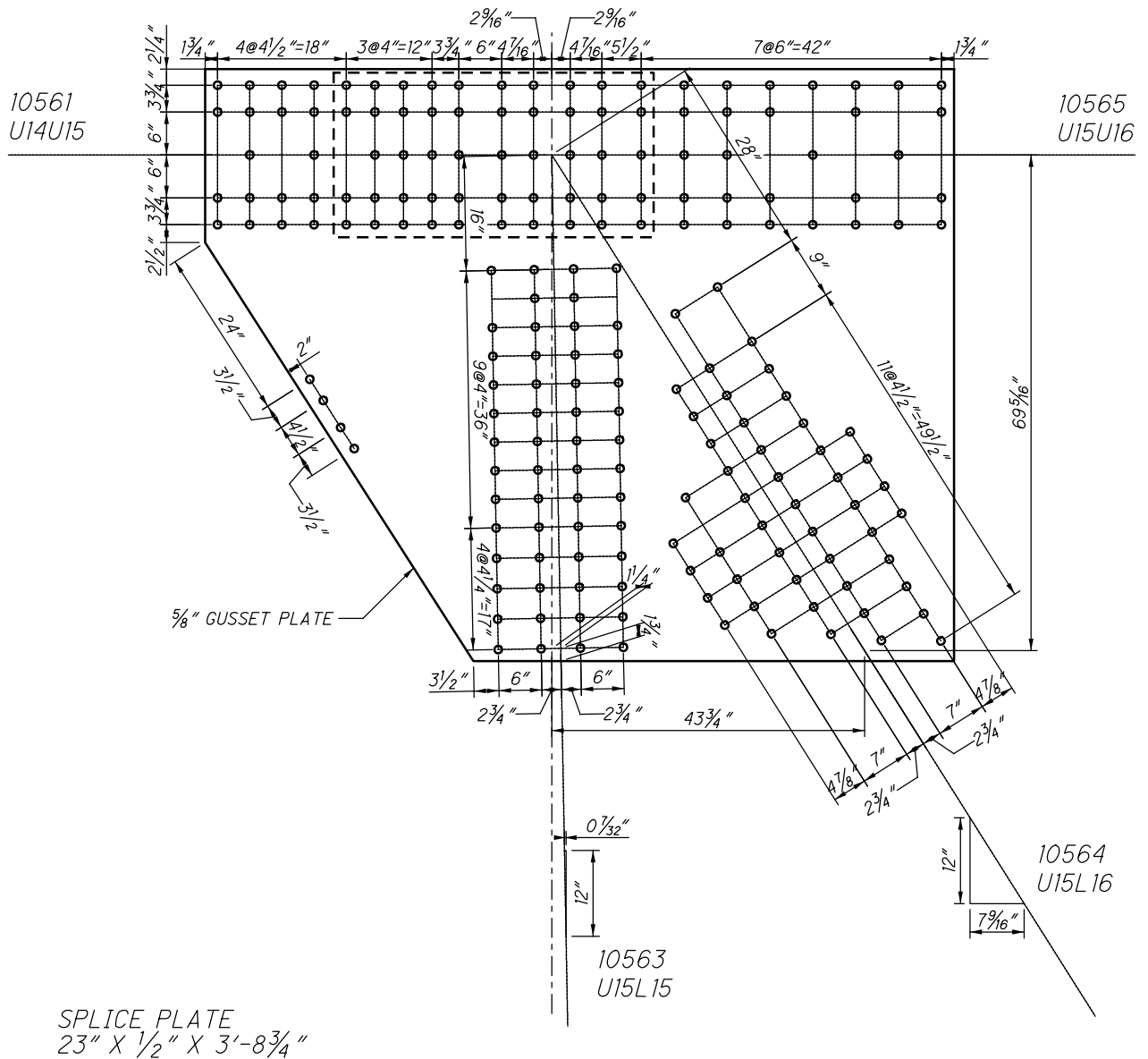
10555
U14U15

10552
U14L13

10553
U14L14



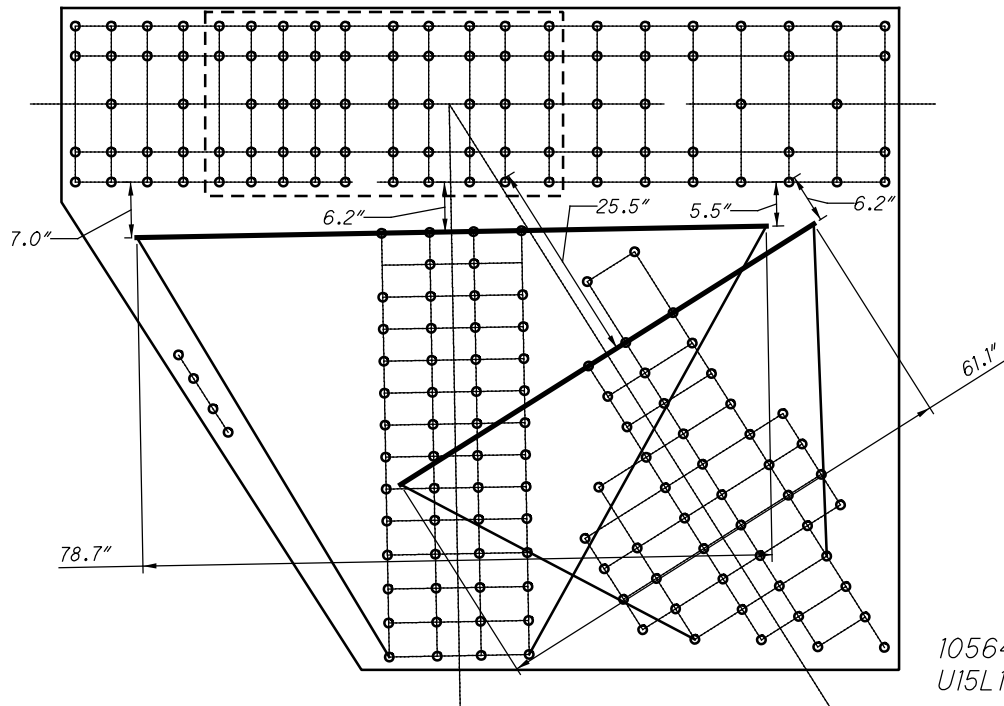
**U55 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U56 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10561
U14U15

10565
U15U16



10563
U15L15

$L_c = 6.2"$

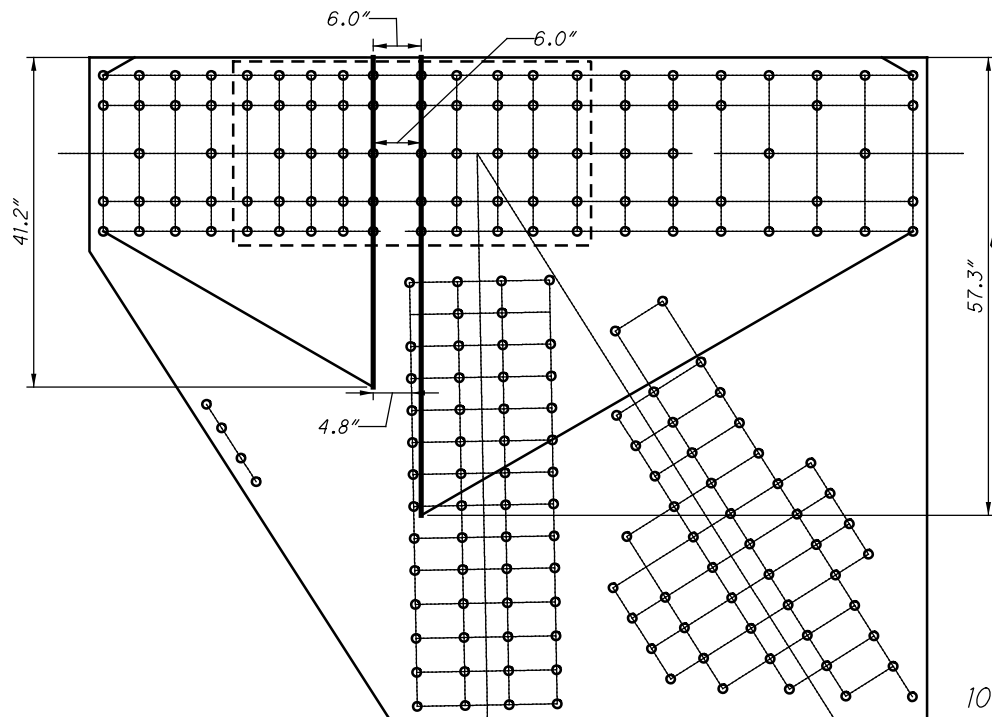
$L_c = 10.6"$

**U56 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10561
U14U15

10565
U15U16

$L_c = 5.6"$



10563
U15L15

10564
U15L16

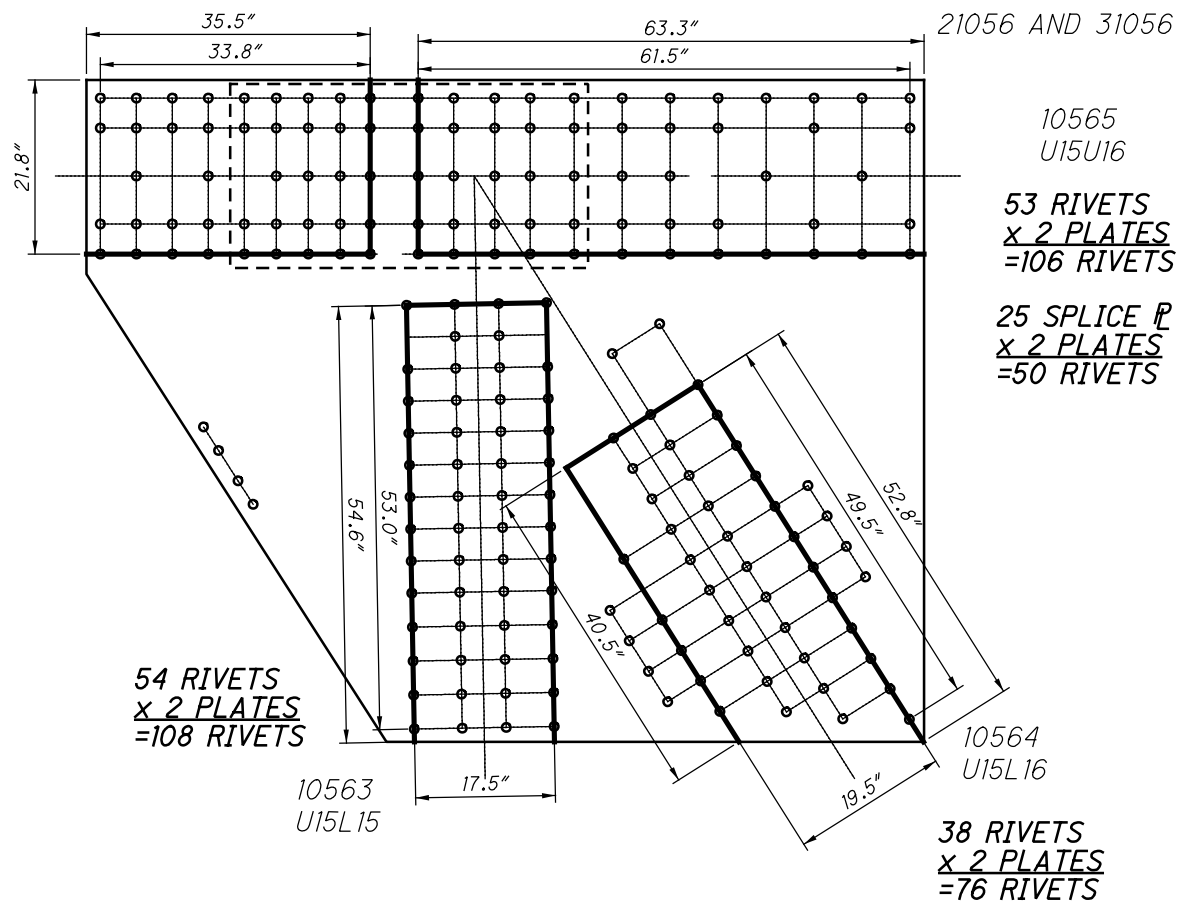
$L_c = 4.0"$

**U56 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

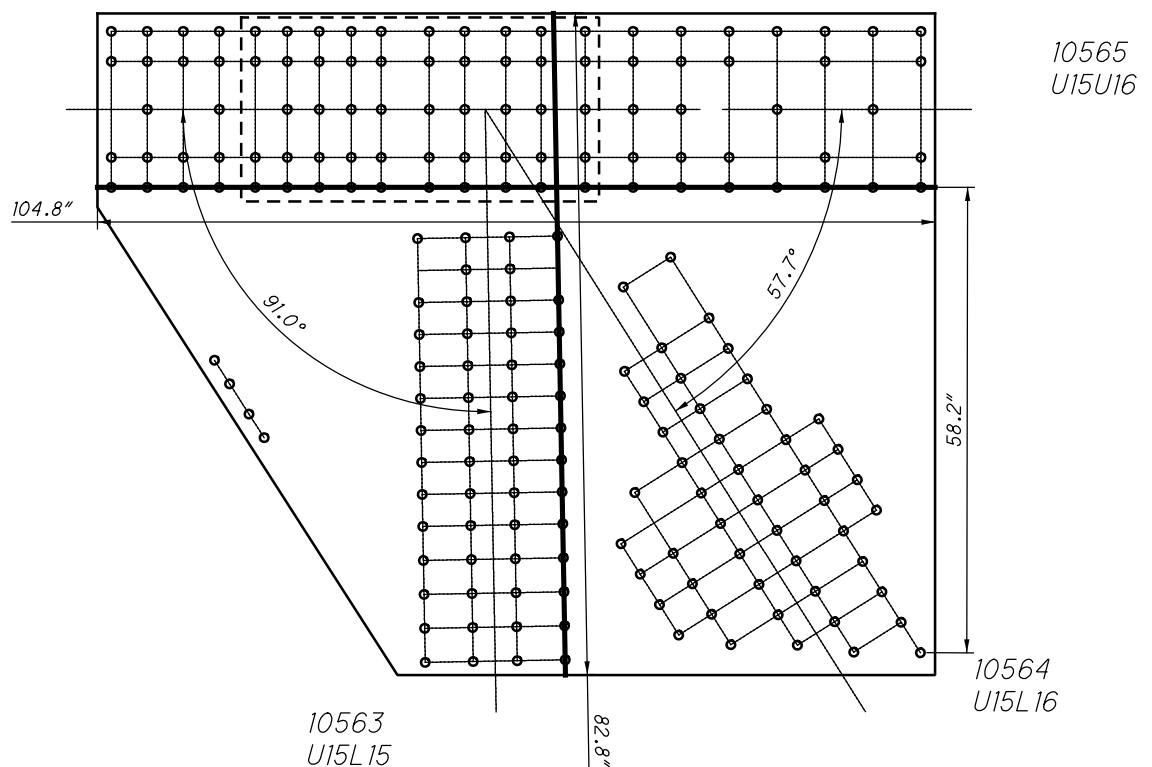
42 RIVETS
x 2 PLATES
=84 RIVETS

10561
U14U15

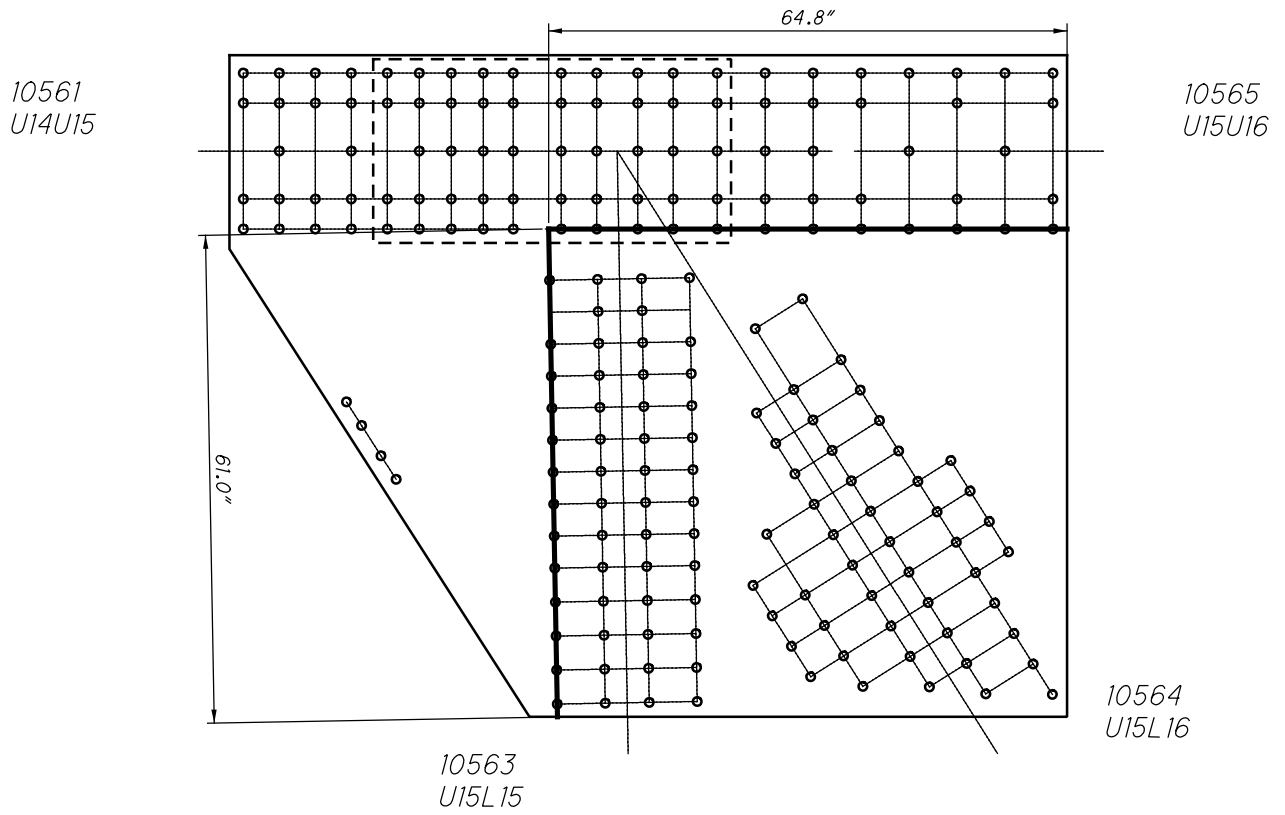
24 SPLICE P
x 2 PLATES
=48 RIVETS



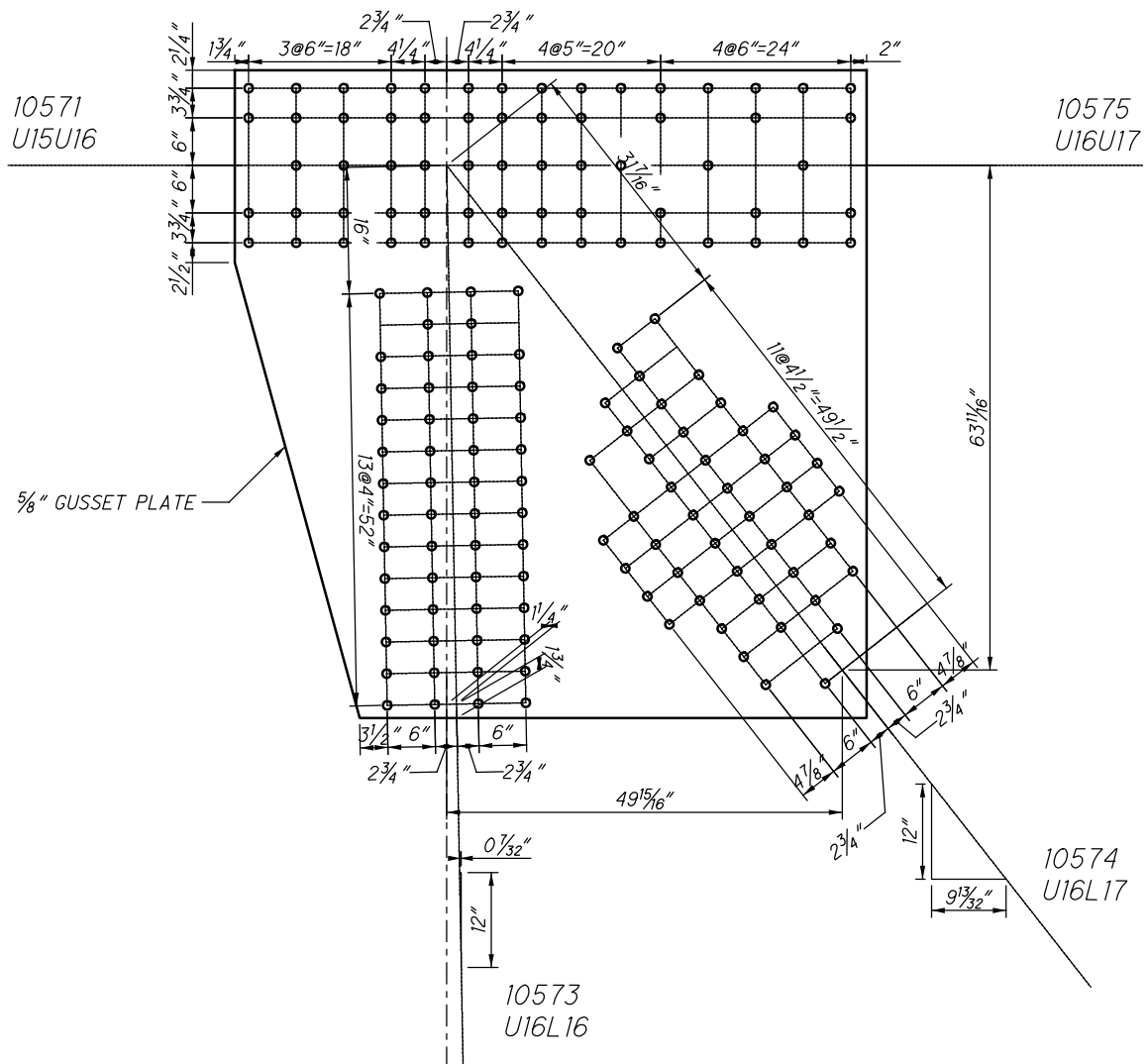
**U56 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U56 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



**U56 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

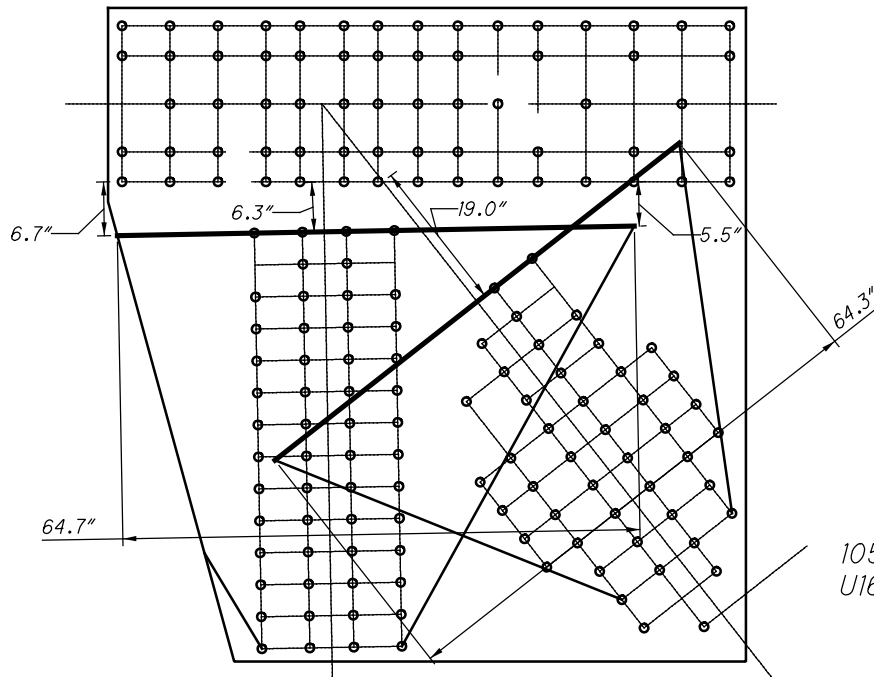


**U7 INSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

21057 AND 31057

10571
U15U16

10575
U16U17



10574
U16L17

$L_c = 6.3"$

10573
U16L16

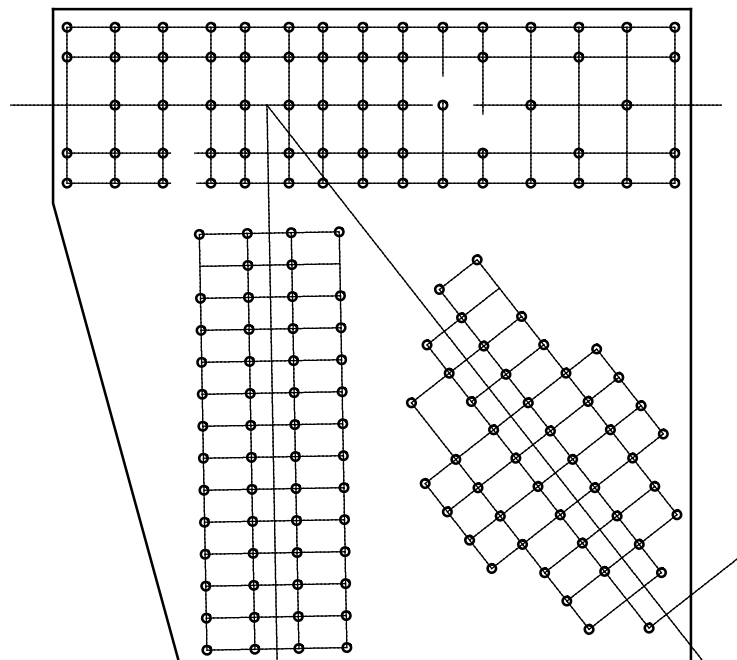
$L_c = 6.2"$

**U57 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10571
U15U16

10575
U16U17



10574
U16L17

10573
U16L16

**U57 INSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21057 AND 31057

10571
U15U16

10575
U16U17

54 RIVETS
x 2 PLATES
=108 RIVETS

10574
U16L17

38 RIVETS
x 2 PLATES
=76 RIVETS

10573
U16L16

**U57 INSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

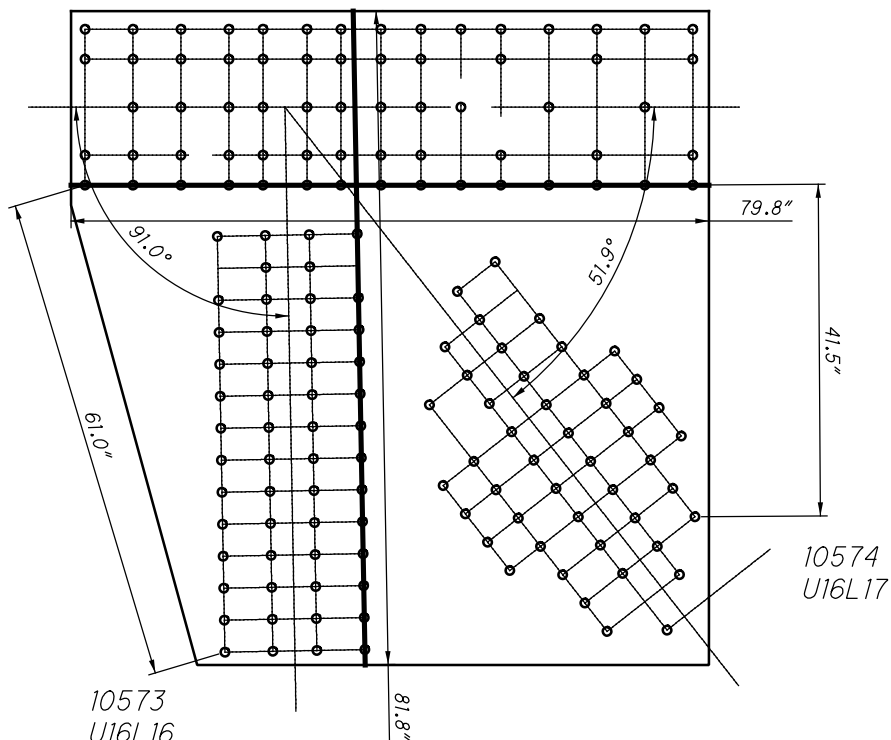
10571
U15U16

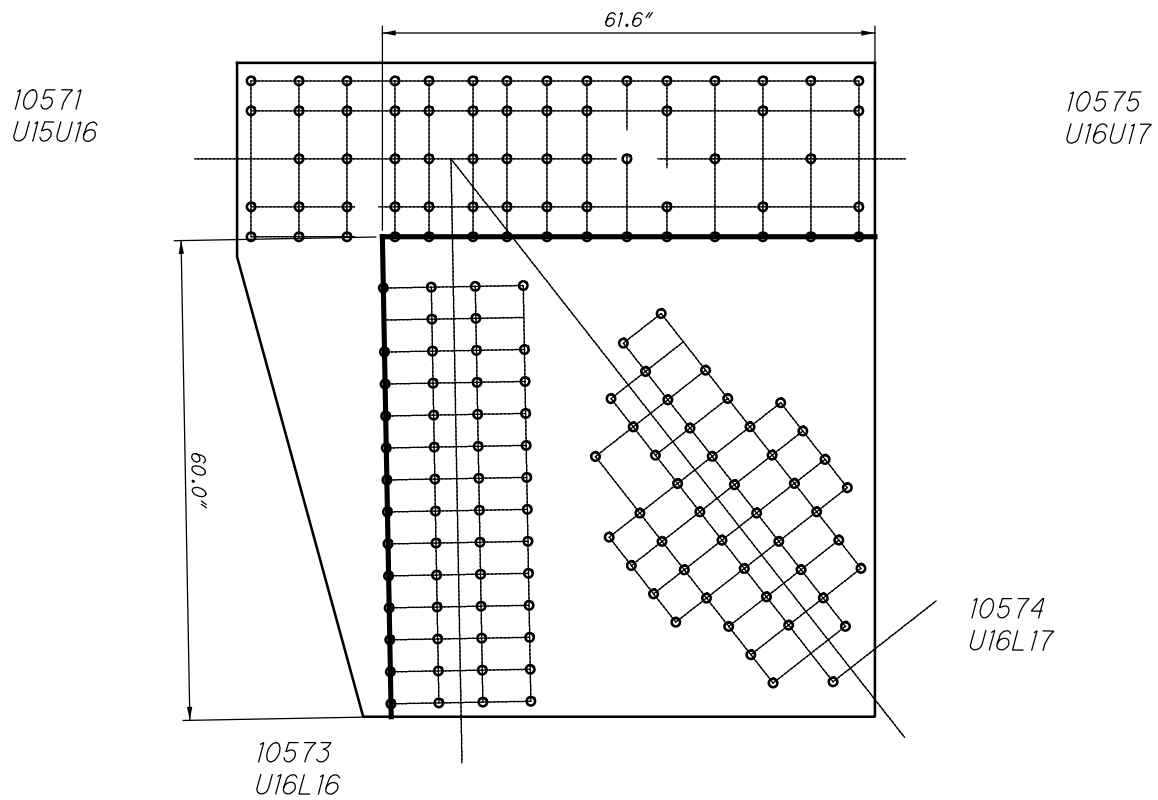
10575
U16U17

10574
U16L17

10573
U16L16

**U57 INSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**





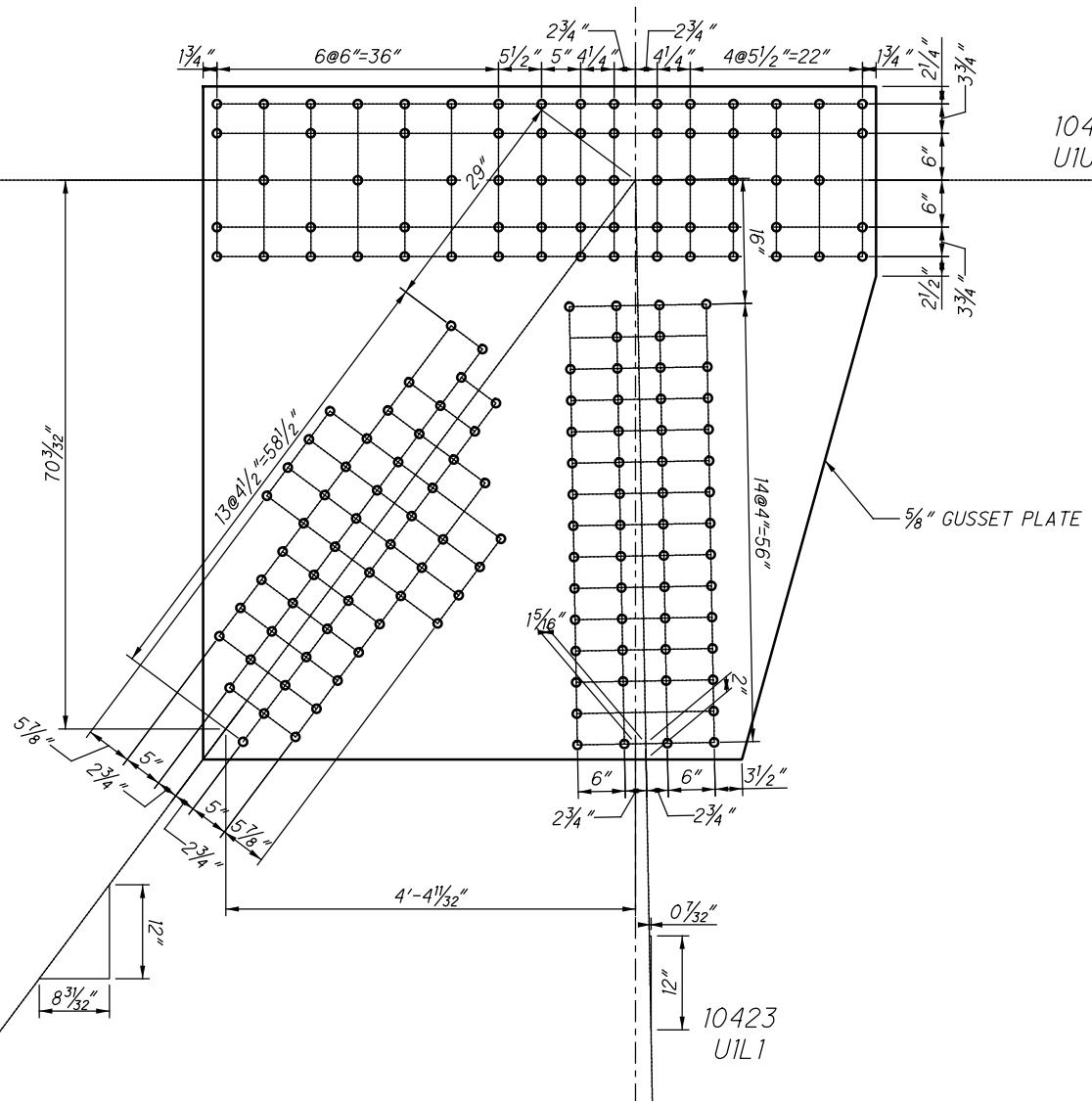
**U57 INSIDE (SPAN 10)
QUADRANT DIMENSIONS**

10421
U0U1

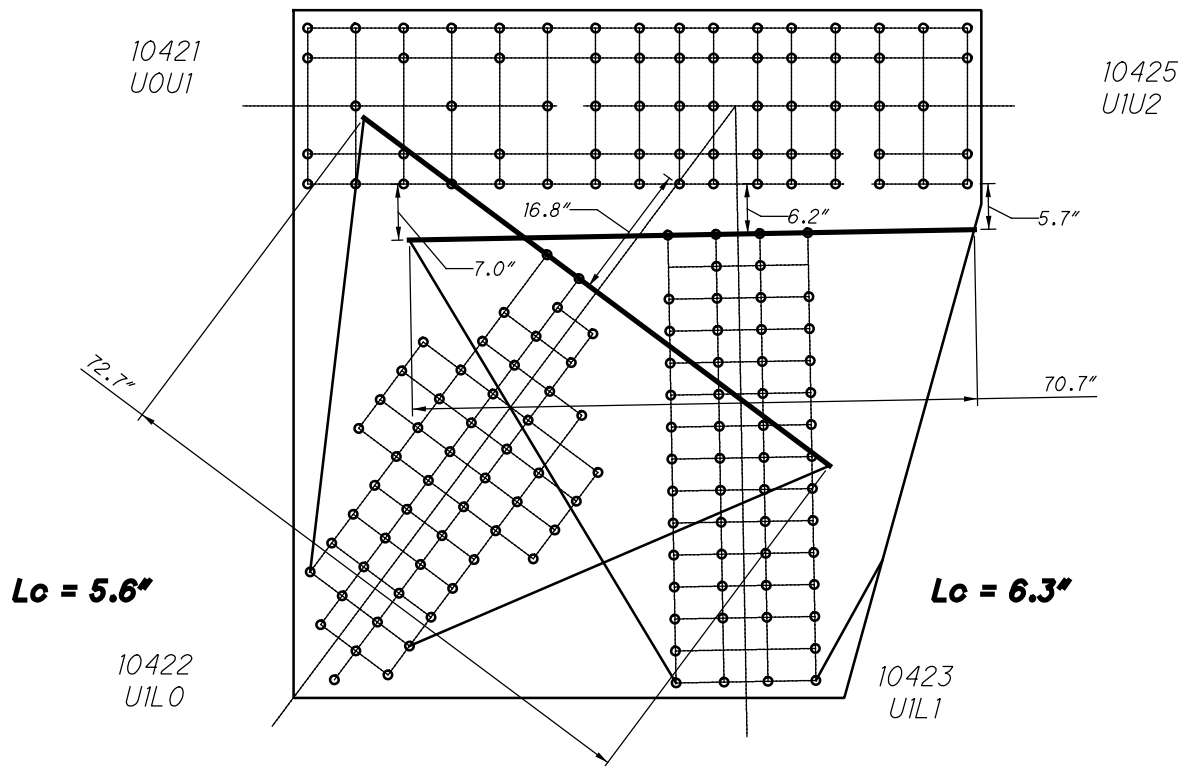
10425
U1U2

10422
U1L0

10423
U1L1

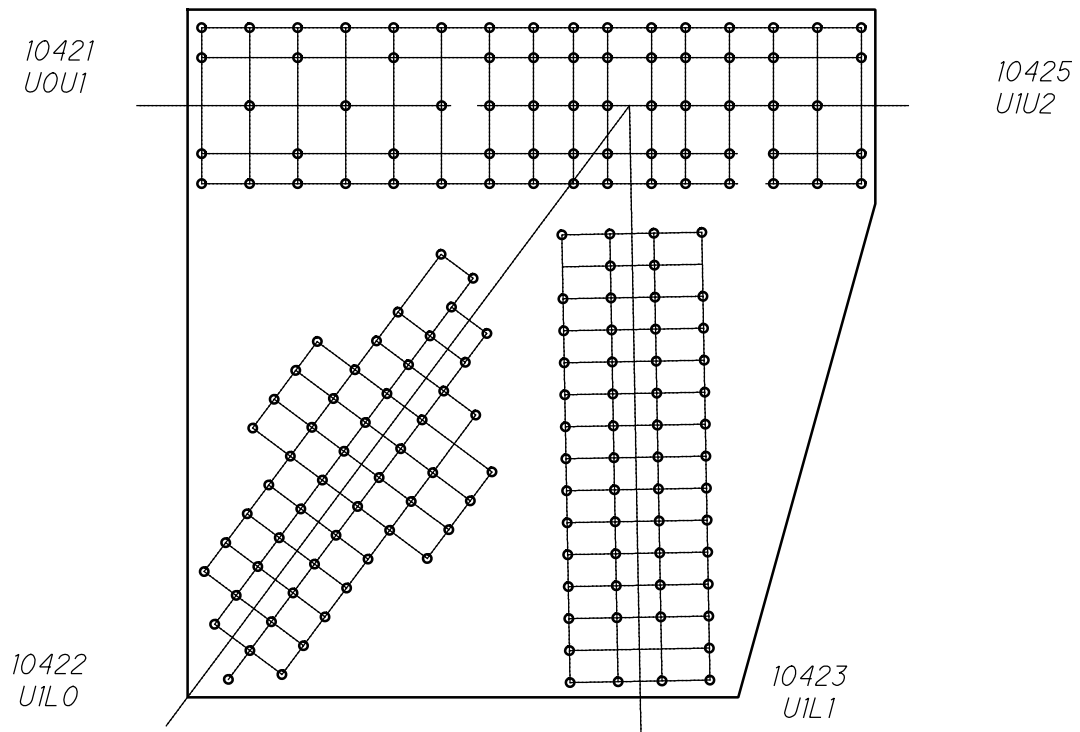


**U42 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

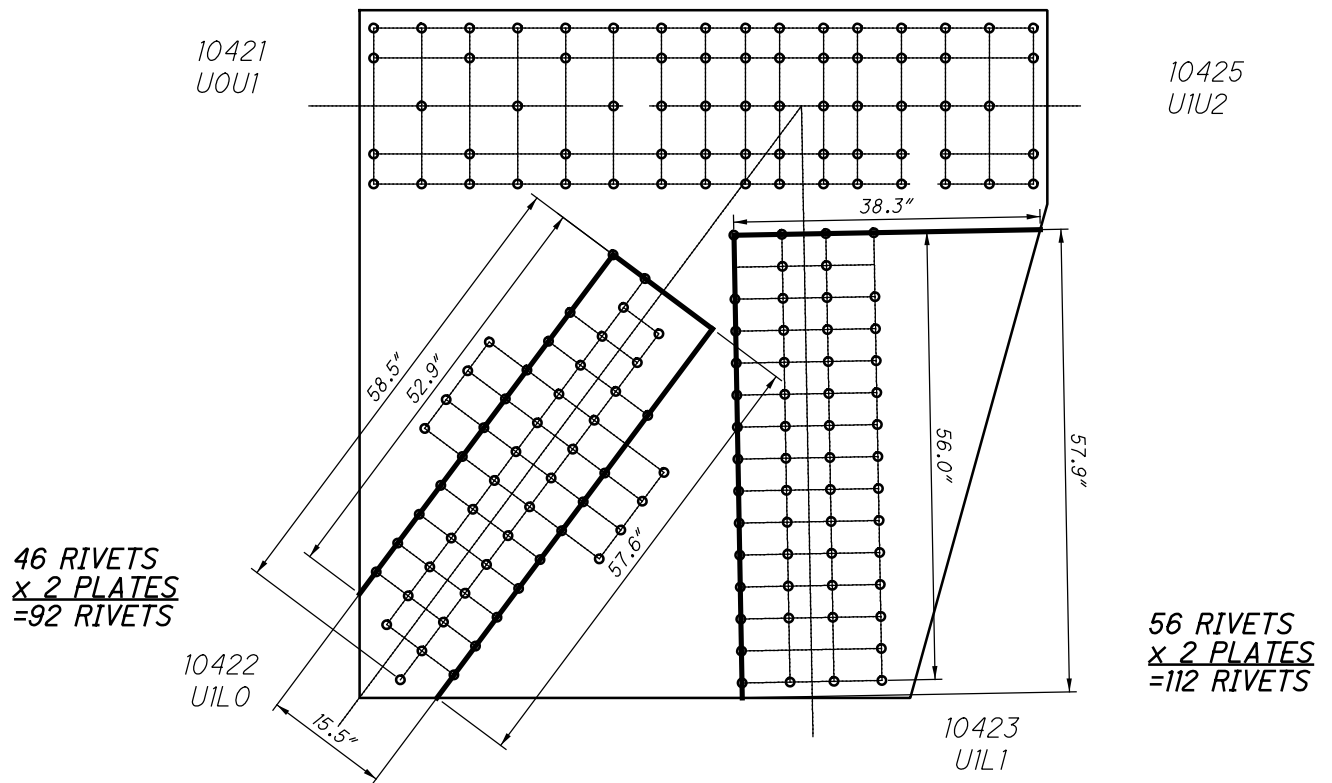


**U42 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

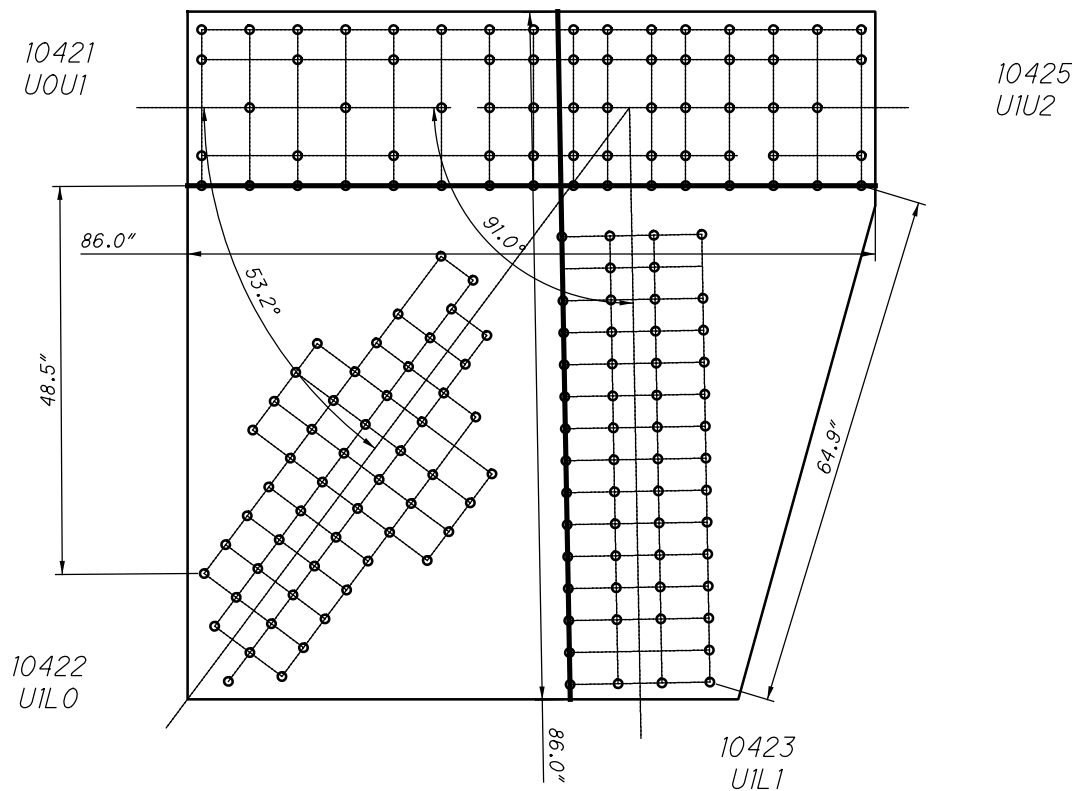
CHORD IS CONTINUOUS



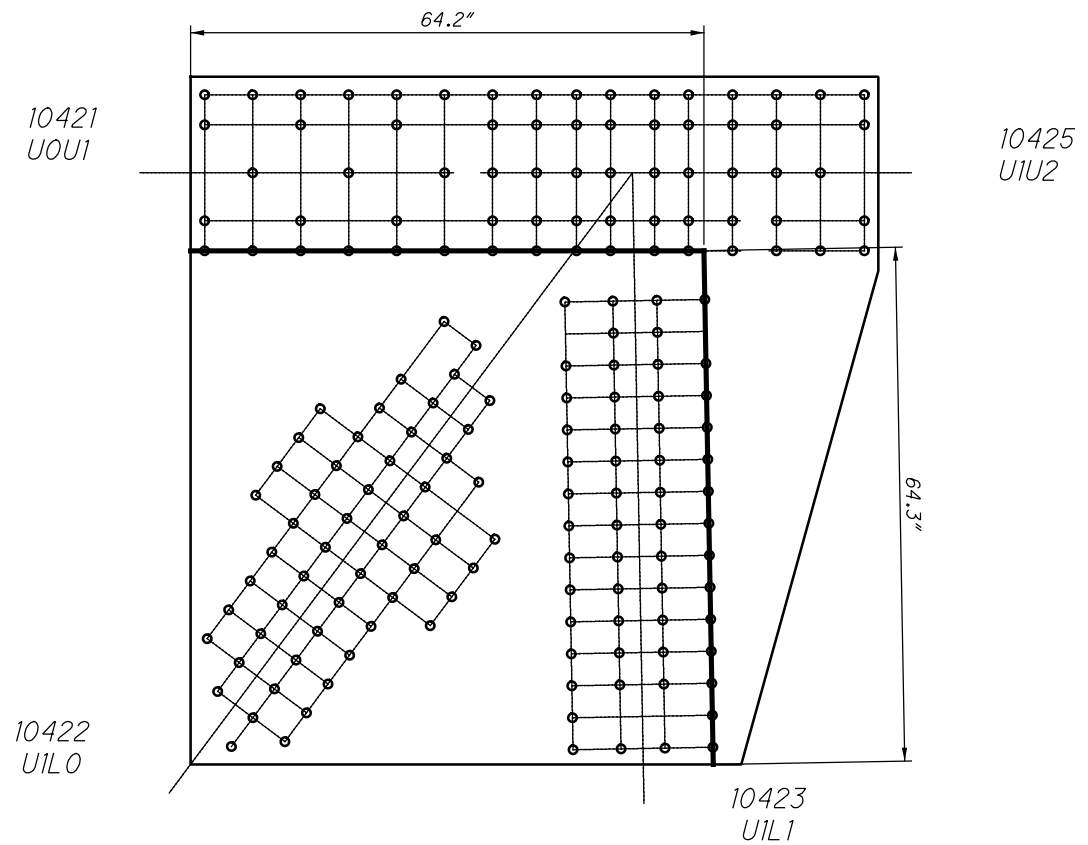
**U42 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U42 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



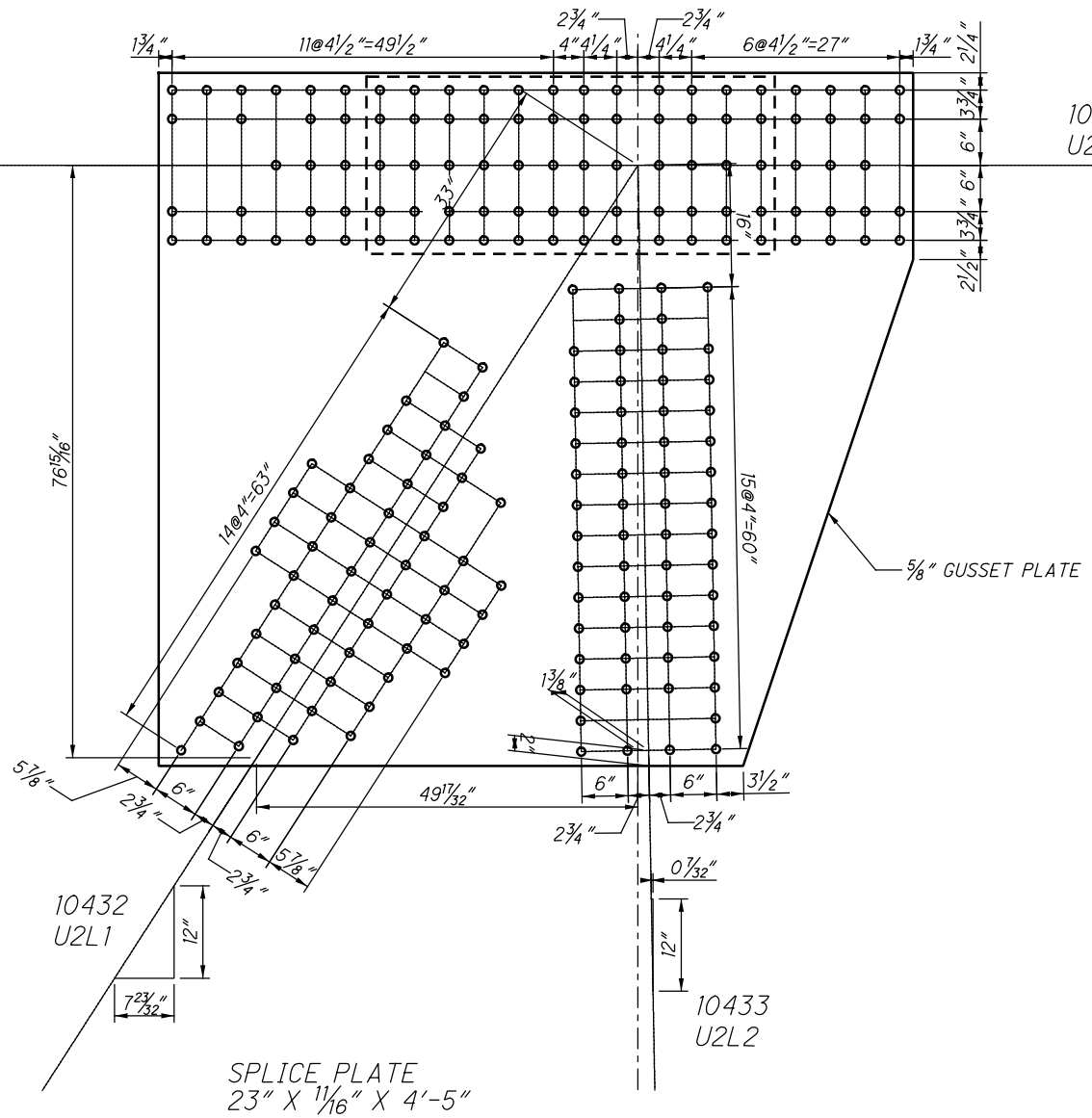
**U42 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



**U42 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**

10431
U1U2

10435
U2U3



**U43 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10431
U1U2

10435
U2U3

$L_c = 7.1''$

$L_c = 6.3''$

10432
U2L1

10433
U2L2

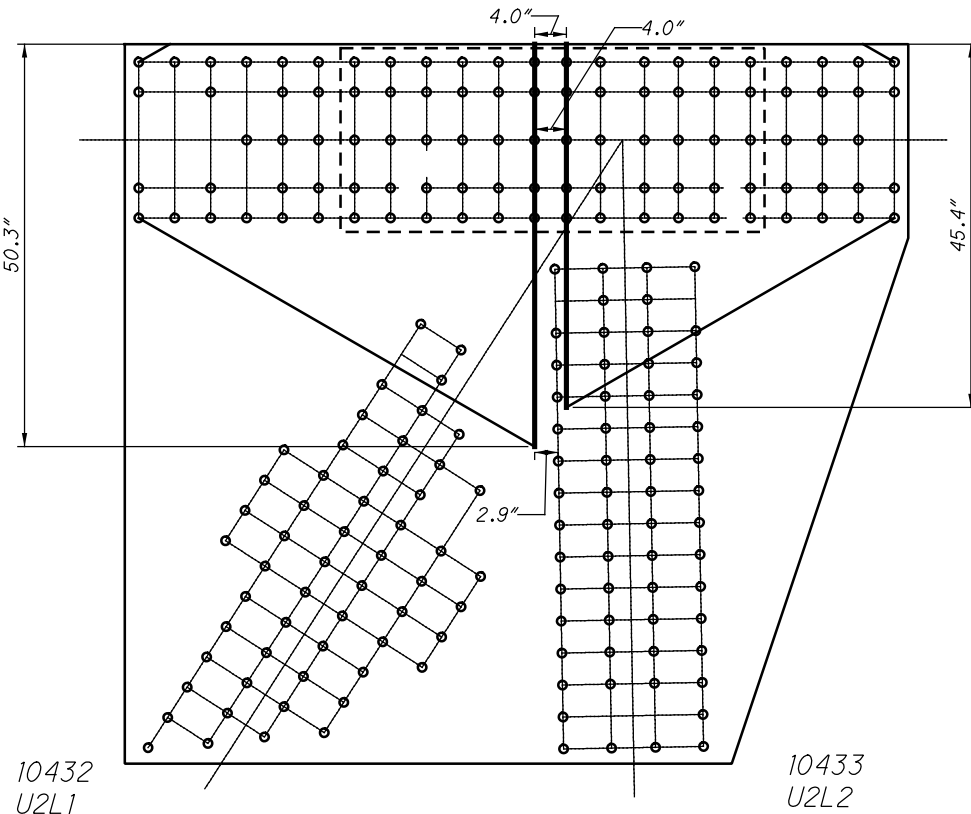
**U43 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10431
U1U2

10435
U2U3

$L_c = 3.6''$

$L_c = 2.7''$



**U43 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

53 RIVETS
x 2 PLATES
=106 RIVETS

10431
U1U2

30 SPLICE P
x 2 PLATES
=60 RIVETS

11043 AND 41043

10435
U2U3

49 RIVETS
x 2 PLATES
=98 RIVETS

30 SPLICE P
x 2 PLATES
=60 RIVETS

47 RIVETS
x 2 PLATES
=94 RIVETS

10432
U2L1

10433
U2L2

60 RIVETS
x 2 PLATES
=120 RIVETS

**U43 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

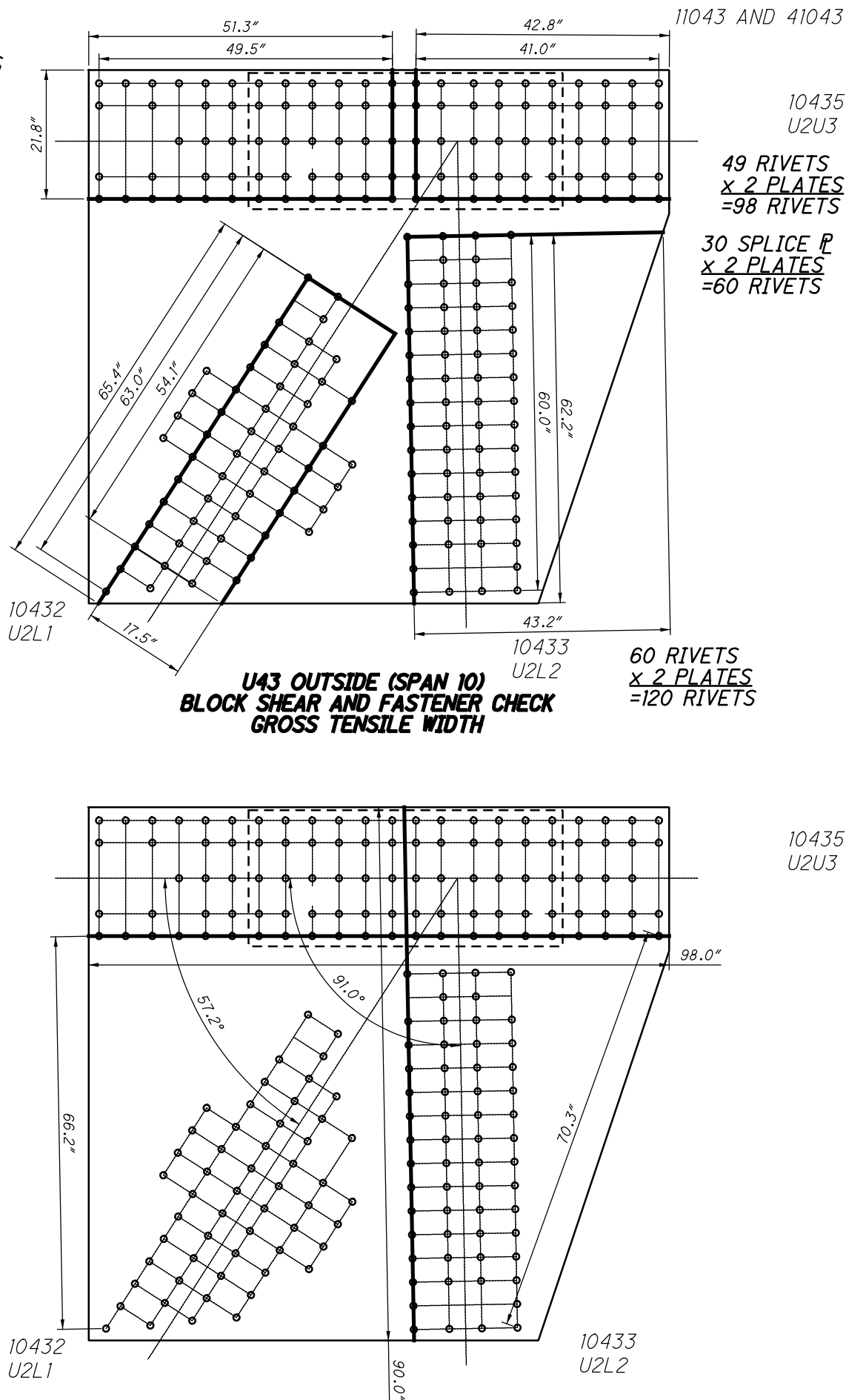
10431
U1U2

10435
U2U3

10432
U2L1

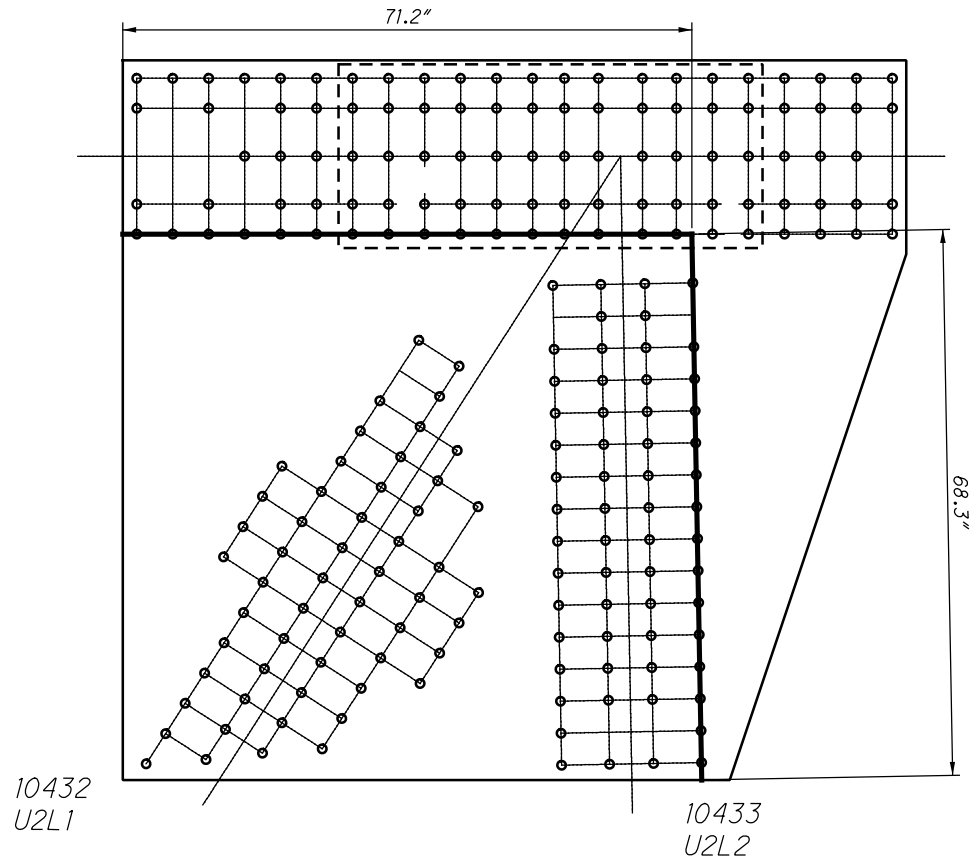
10433
U2L2

**U43 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

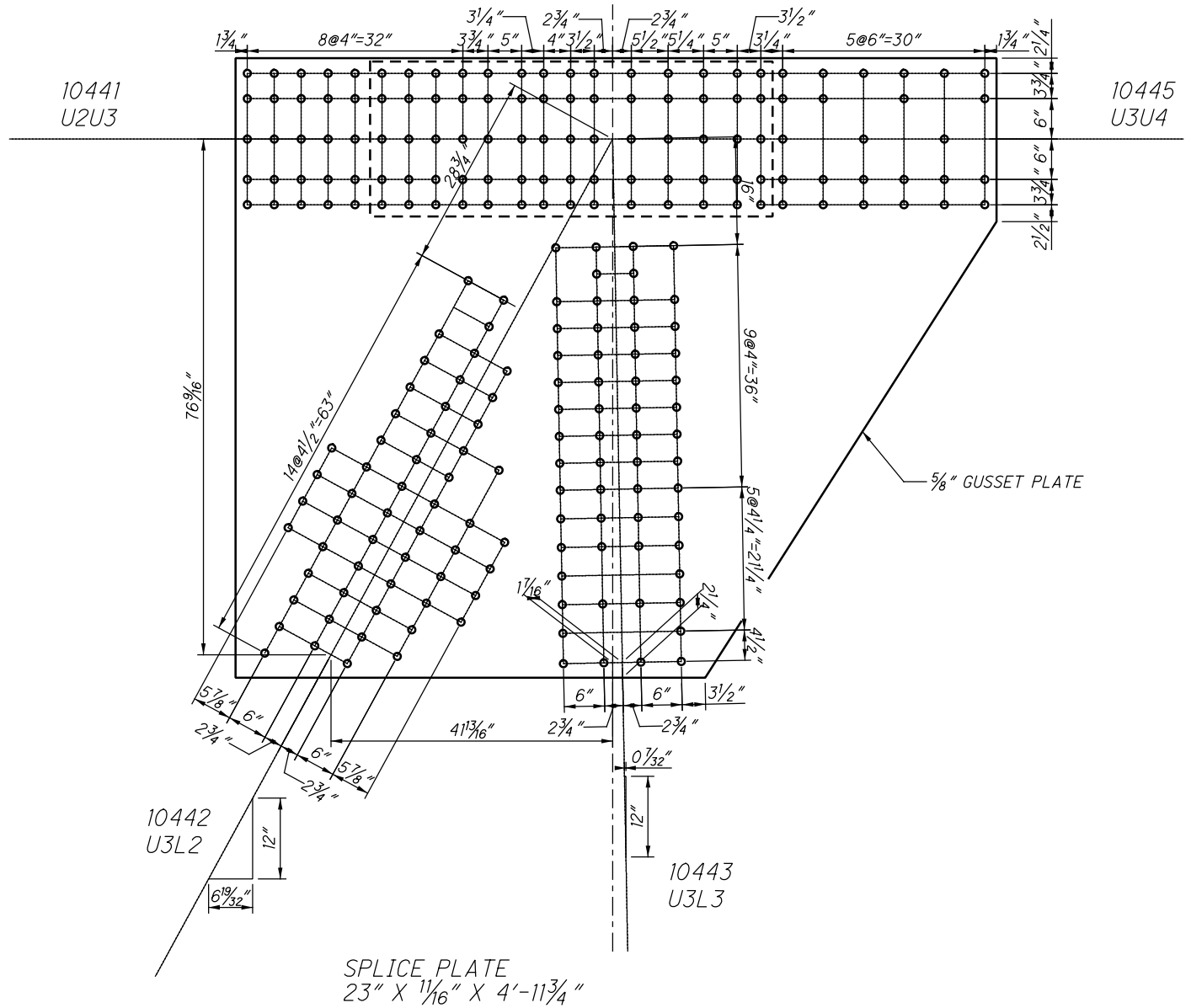


10431
U1U2

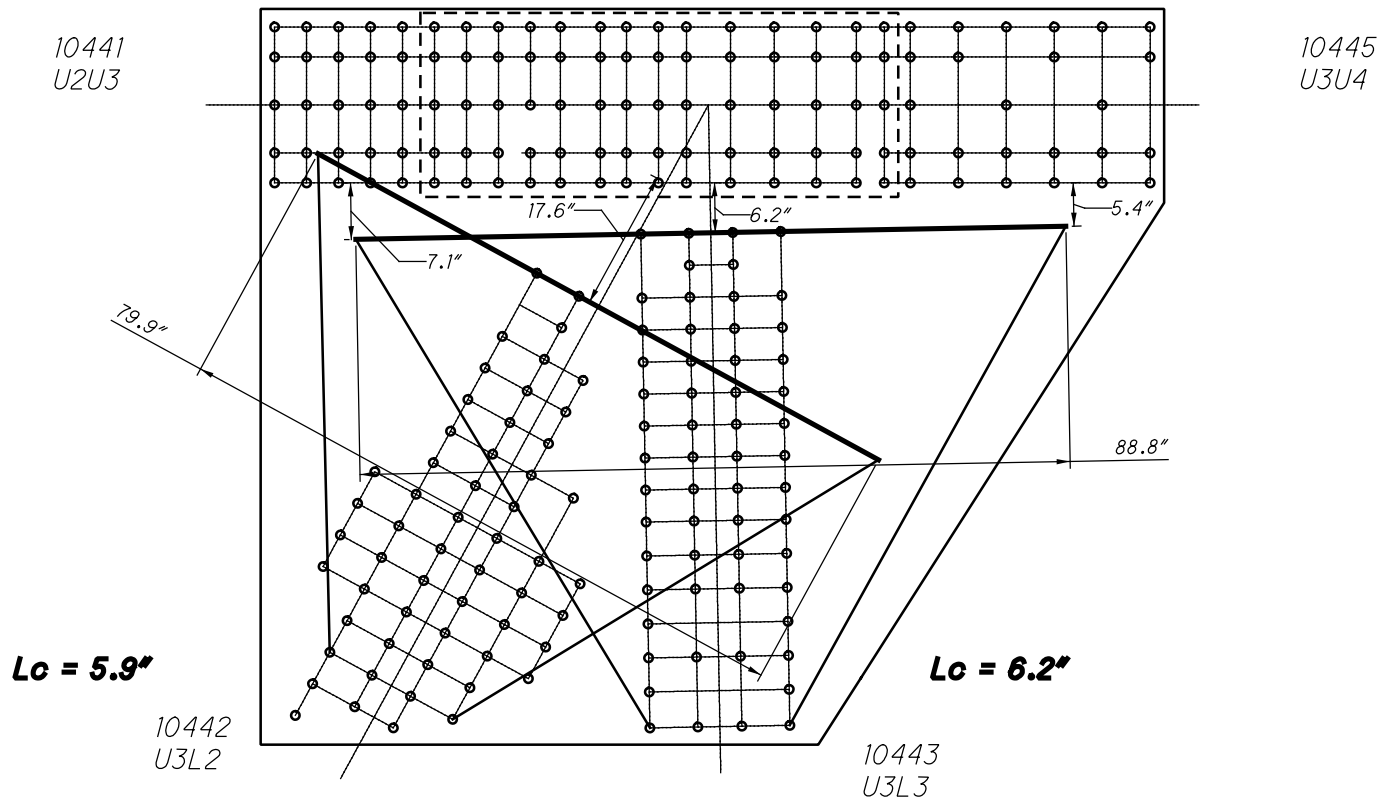
10435
U2U3



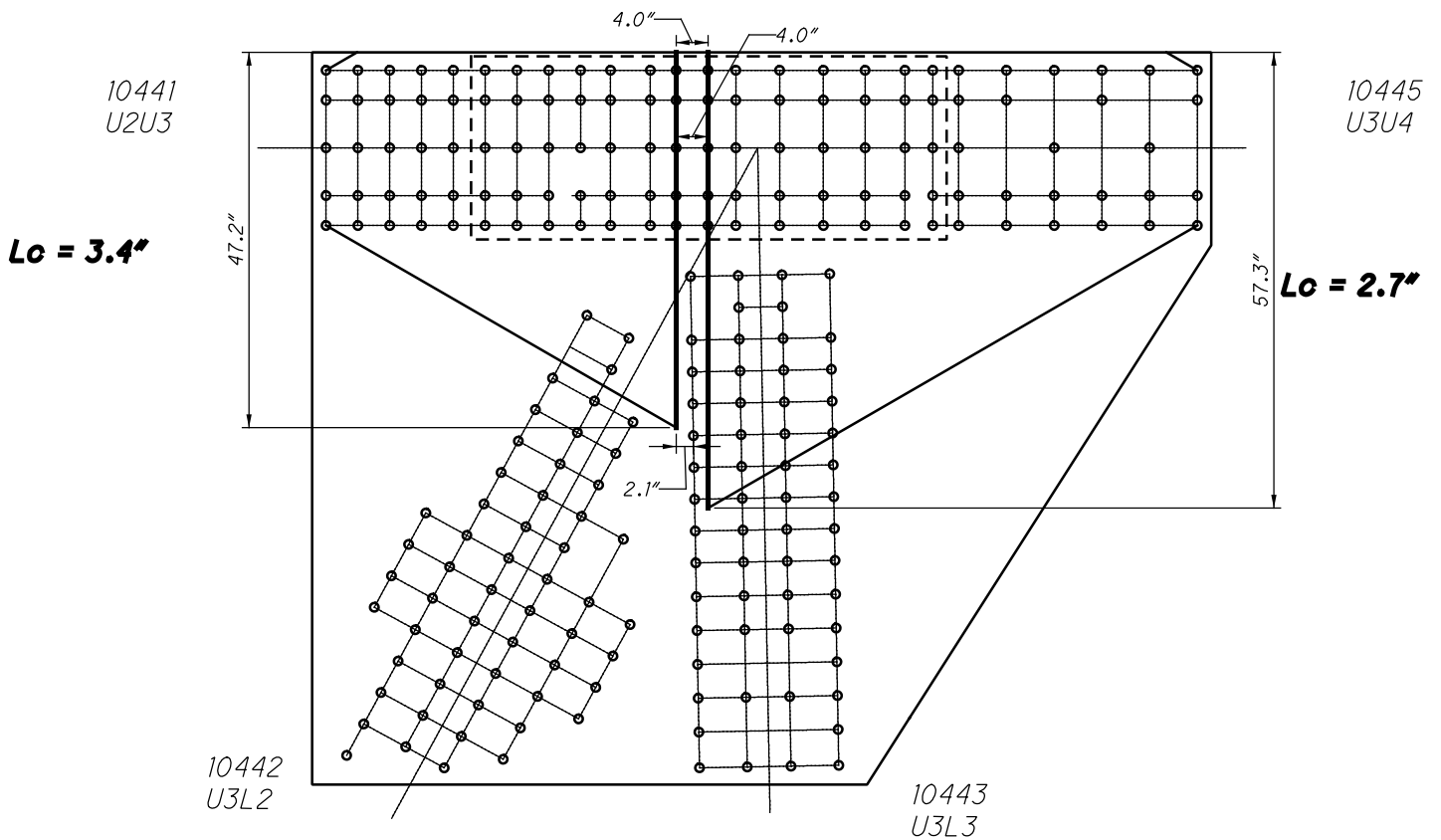
**U43 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U44 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**



**U44 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



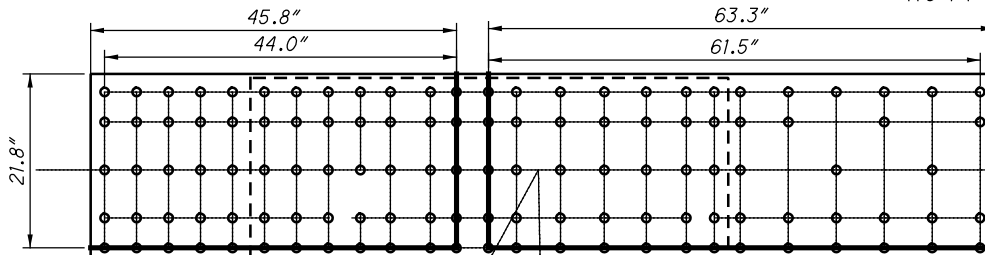
**U44 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

60 RIVETS
x 2 PLATES
=120 RIVETS

10441
U2U3

35 SPLICE P
x 2 PLATES
=70 RIVETS

11044 AND 41044



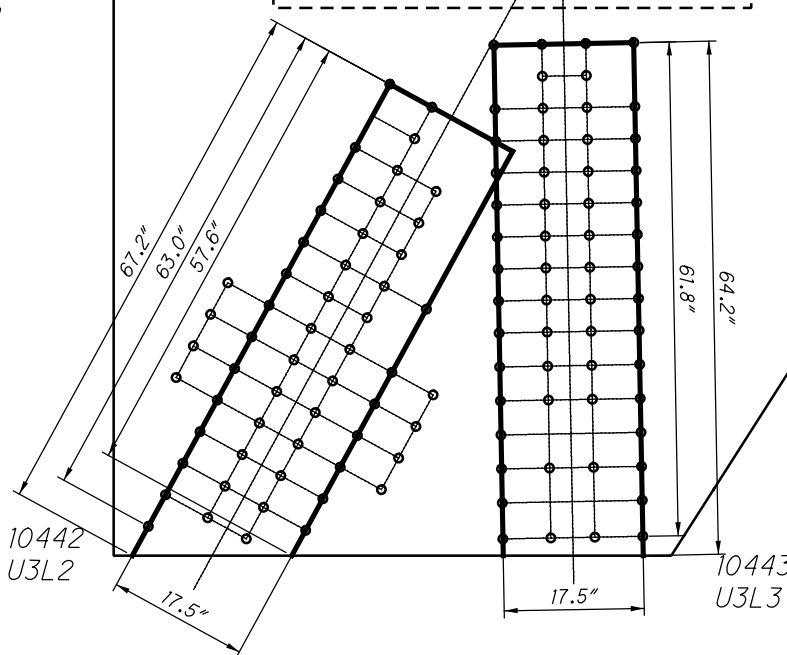
10445
U3U4

60 RIVETS
x 2 PLATES
=120 RIVETS

35 SPLICE P
x 2 PLATES
=70 RIVETS

47 RIVETS
x 2 PLATES
=94 RIVETS

10442
U3L2

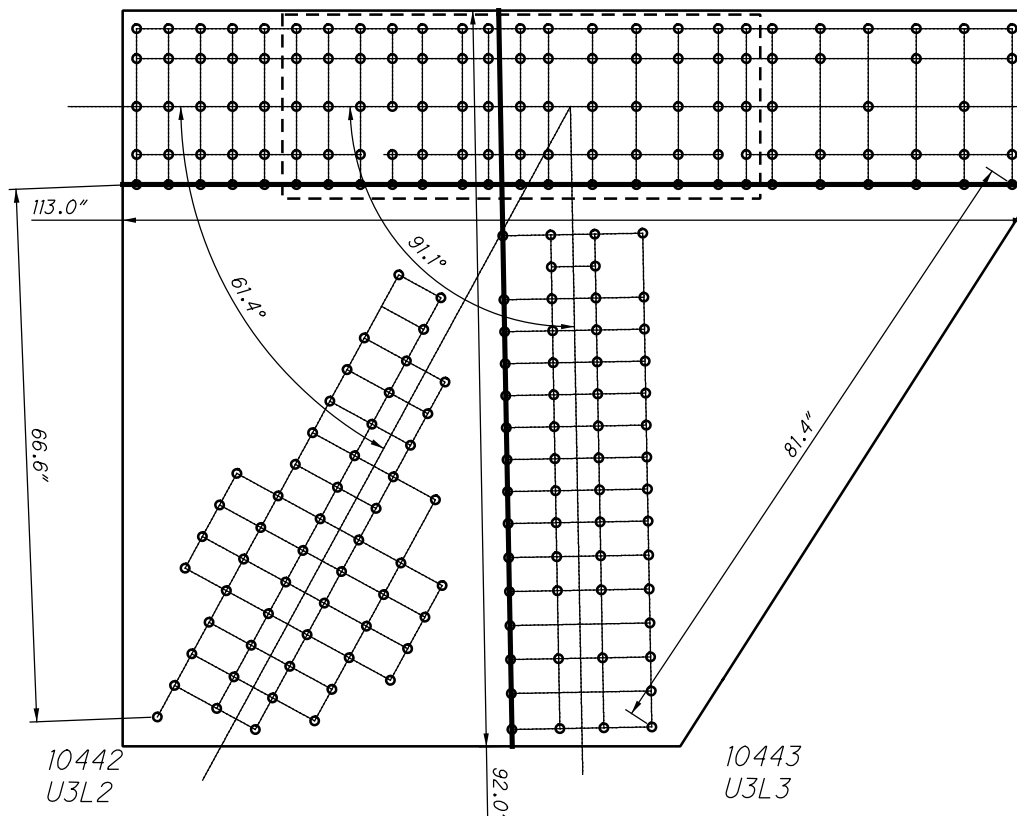


58 RIVETS
x 2 PLATES
=116 RIVETS

10443
U3L3

**U44 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10441
U2U3

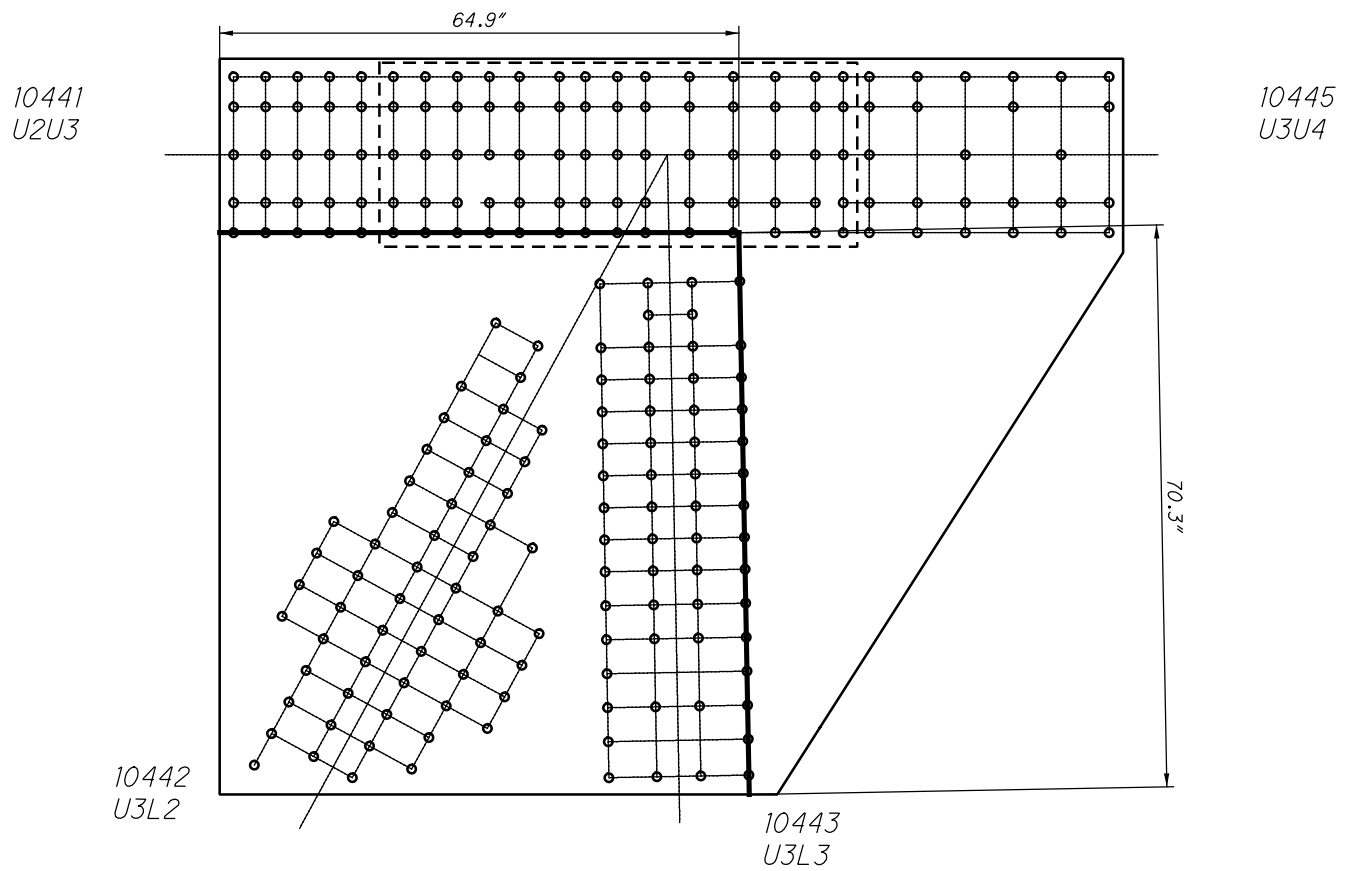


10445
U3U4

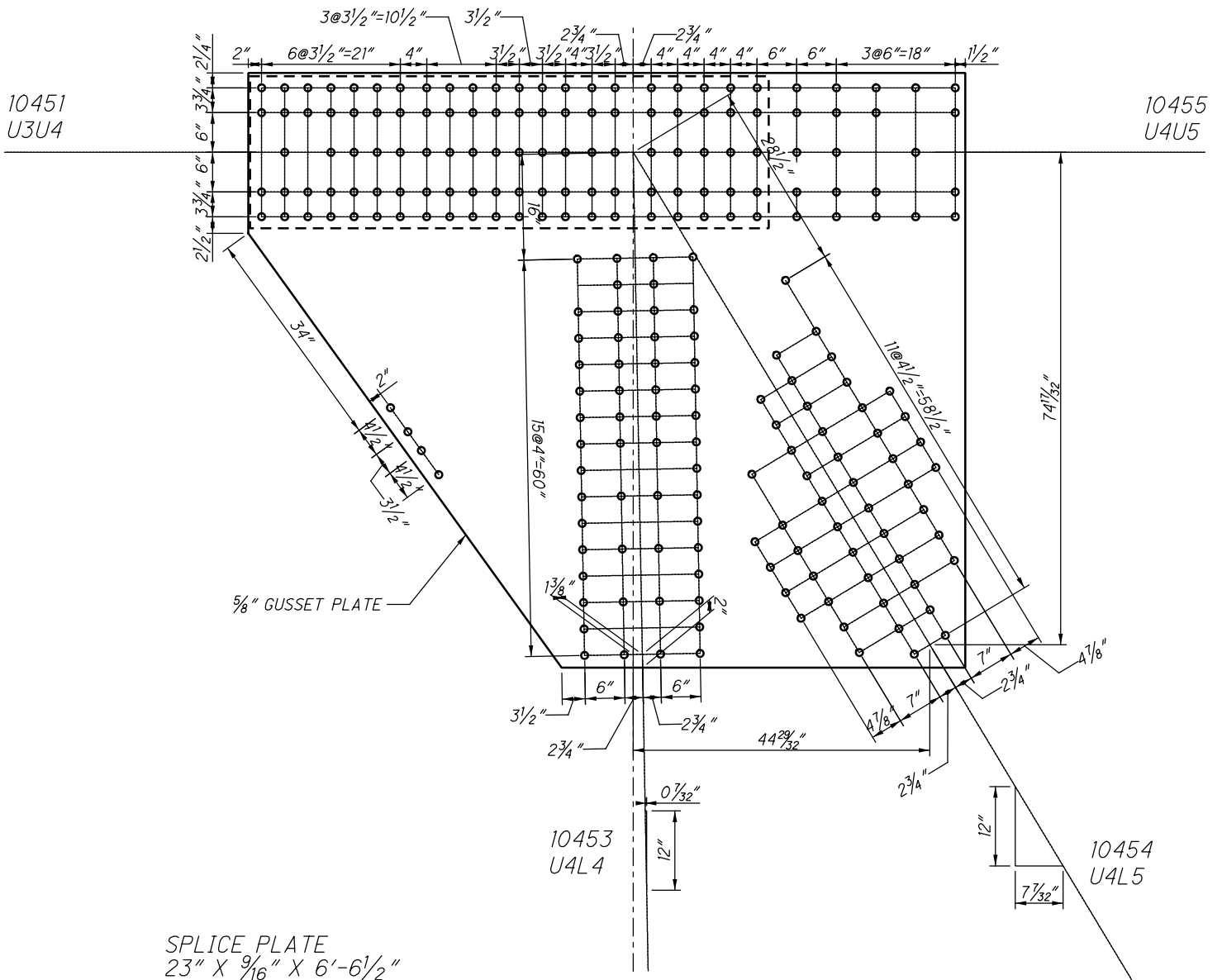
10442
U3L2

10443
U3L3

**U44 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



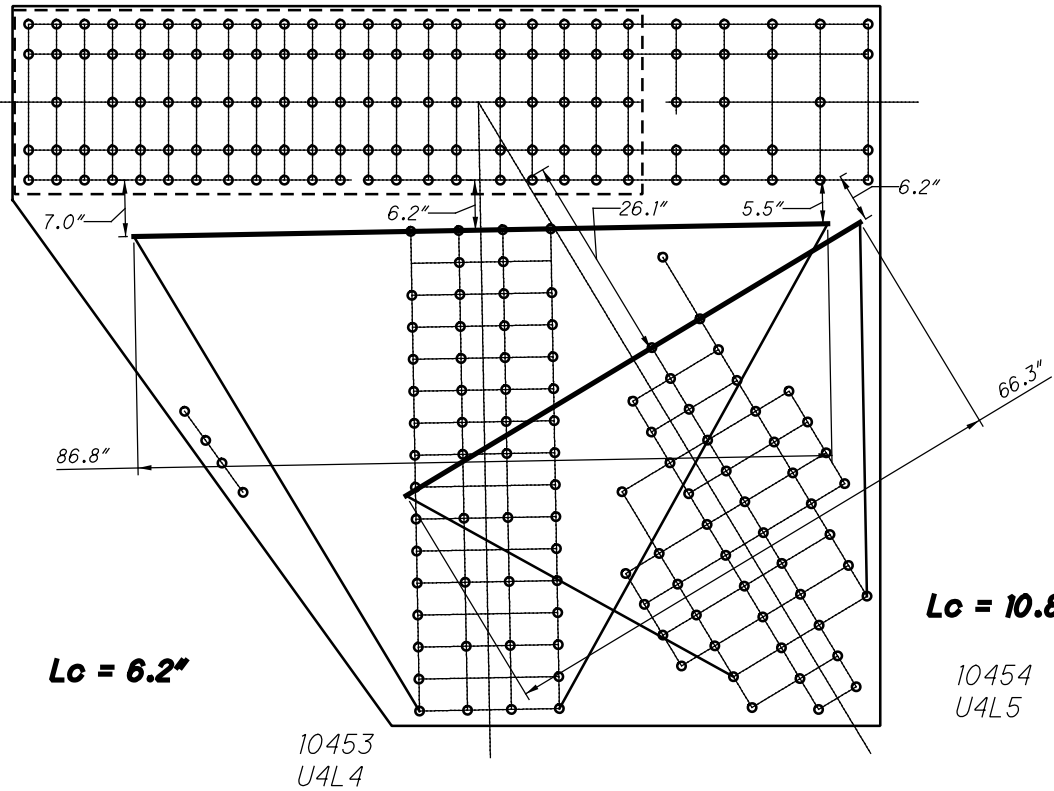
**U44 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U45 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10451
U3U4

10455
U4U5

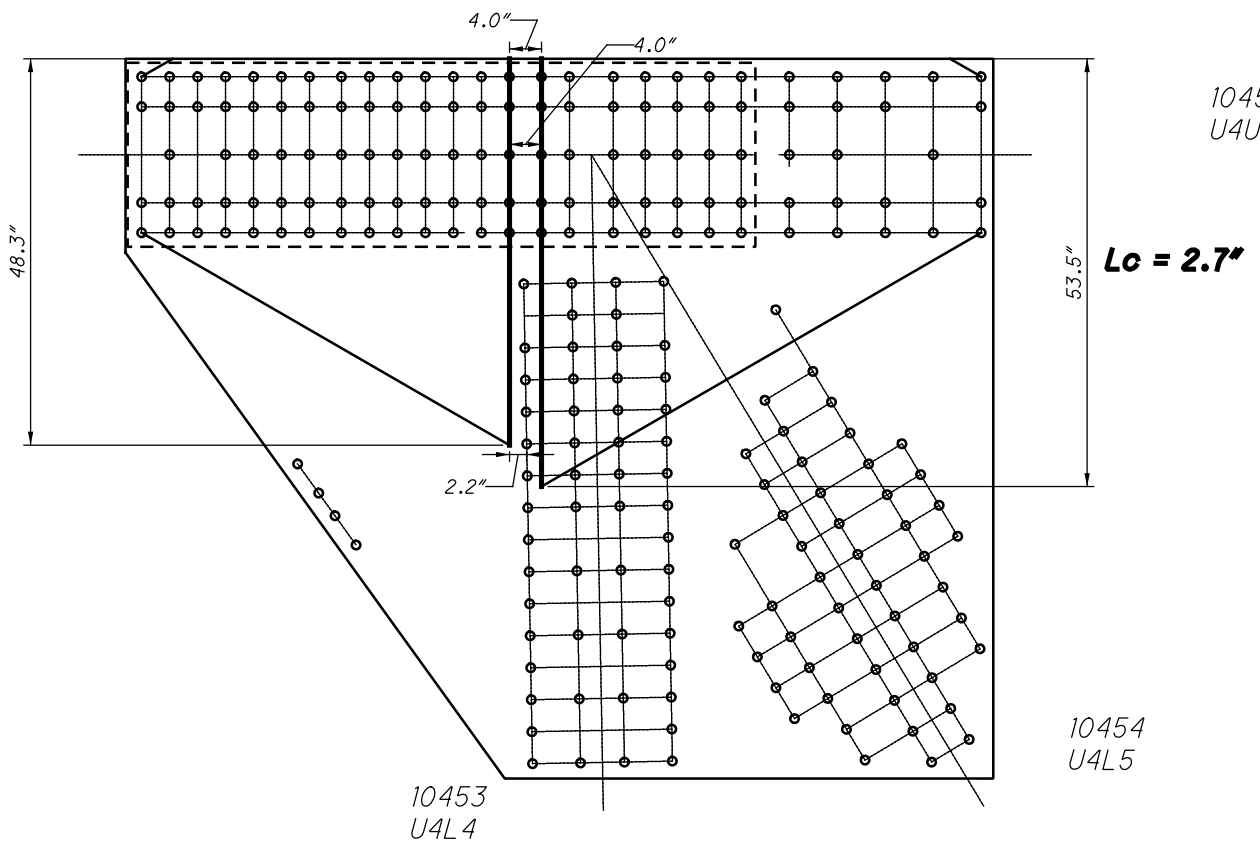


**U45 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10451
U3U4

10455
U4U5

Lc = 3.4"



**U45 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

68 RIVETS
x 2 PLATES
=136 RIVETS

10451
U3U4

11045 AND 41045

10455
U4U5

56 RIVETS
x 2 PLATES
=112 RIVETS

68 SPLICE P
x 2 PLATES
=136 RIVETS

35 SPLICE P
x 2 PLATES
=70 RIVETS

54 RIVETS
x 2 PLATES
=108 RIVETS

40 RIVETS
x 2 PLATES
=80 RIVETS

**U45 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

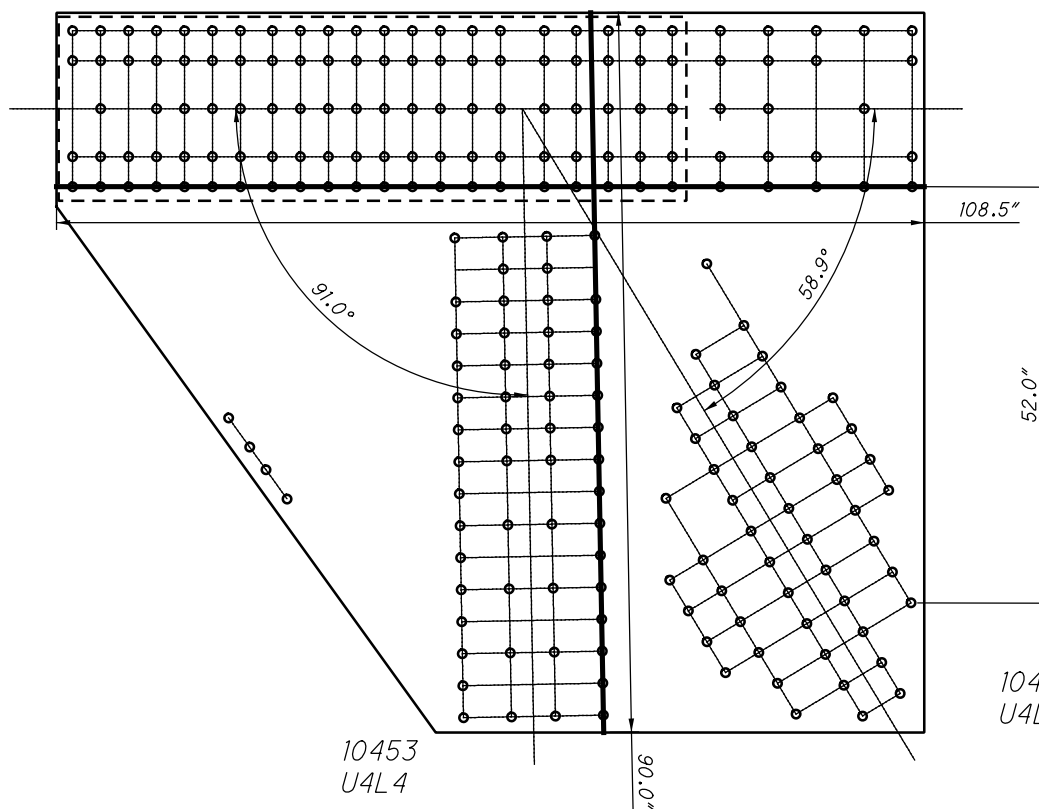
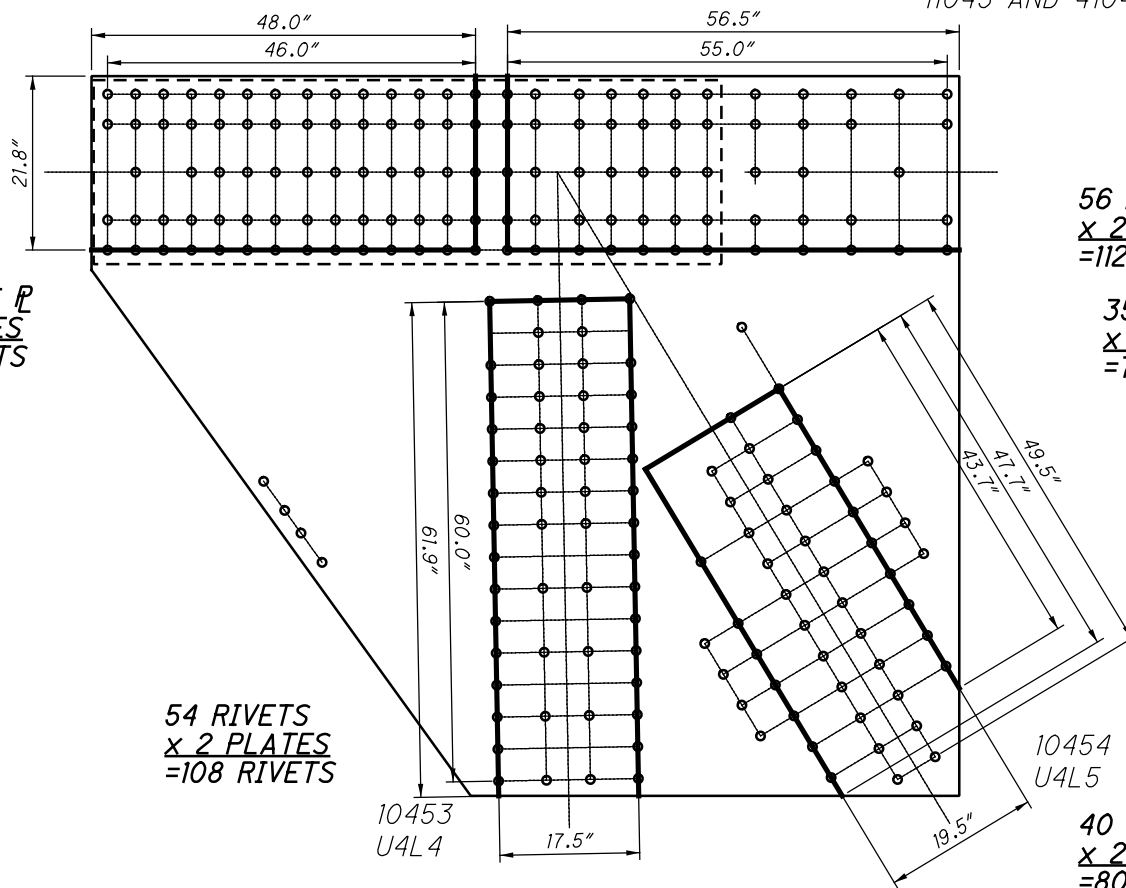
10451
U3U4

10455
U4U5

10453
U4L4

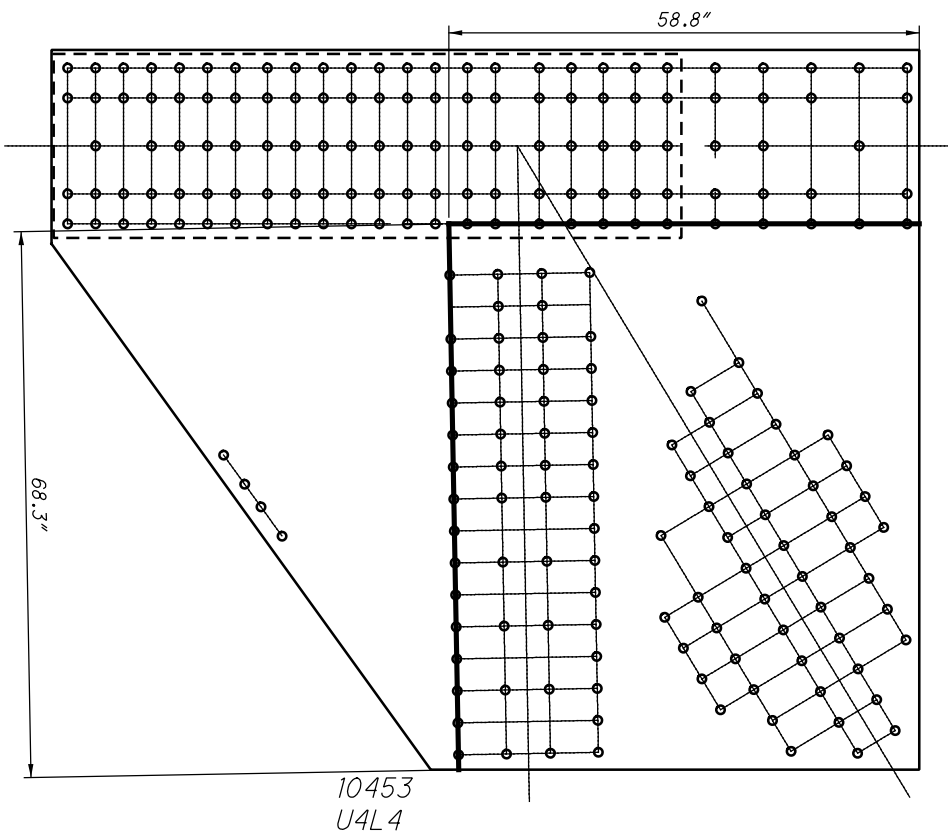
10454
U4L5

**U45 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

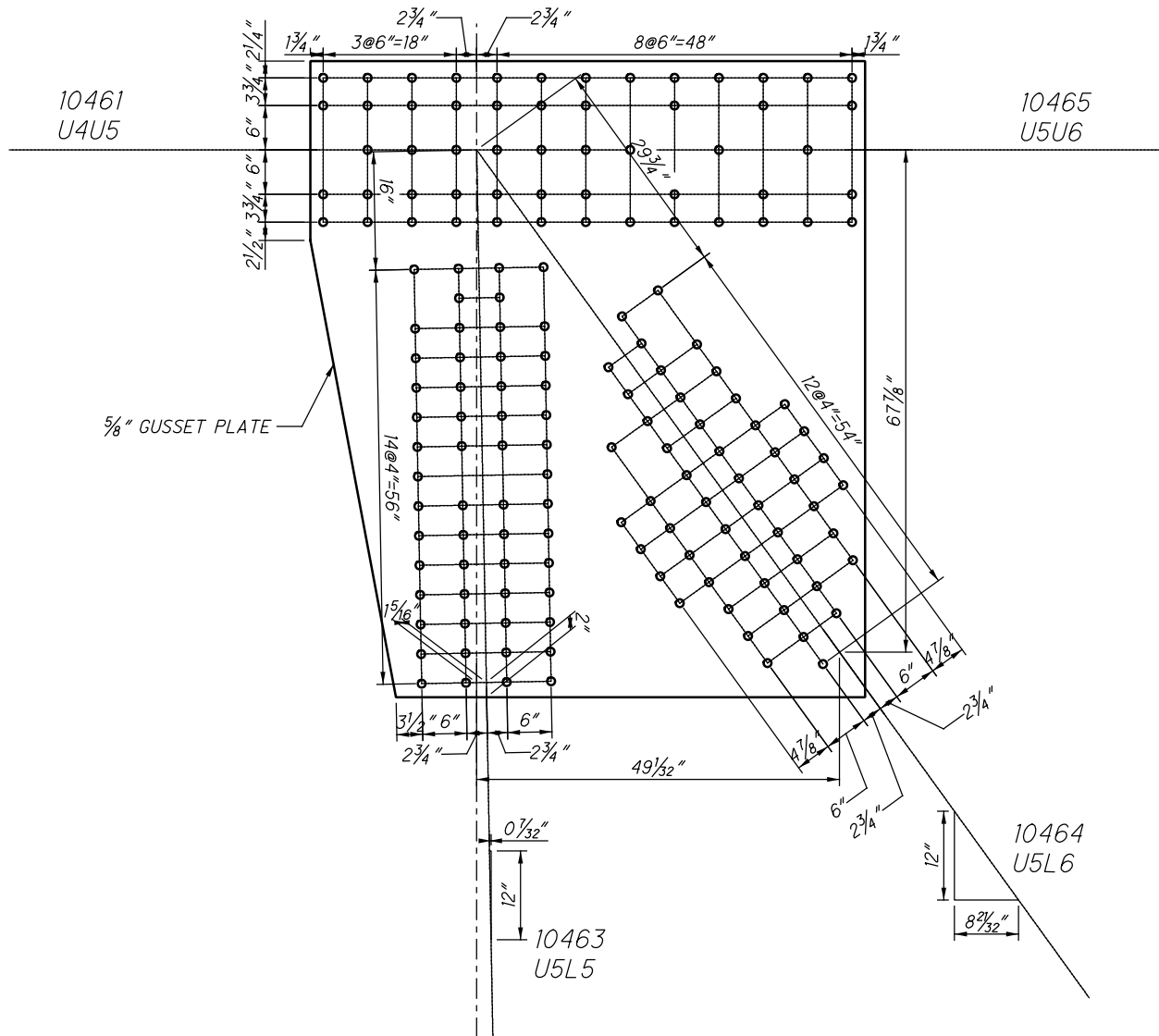


10451
U3U4

10455
U4U5



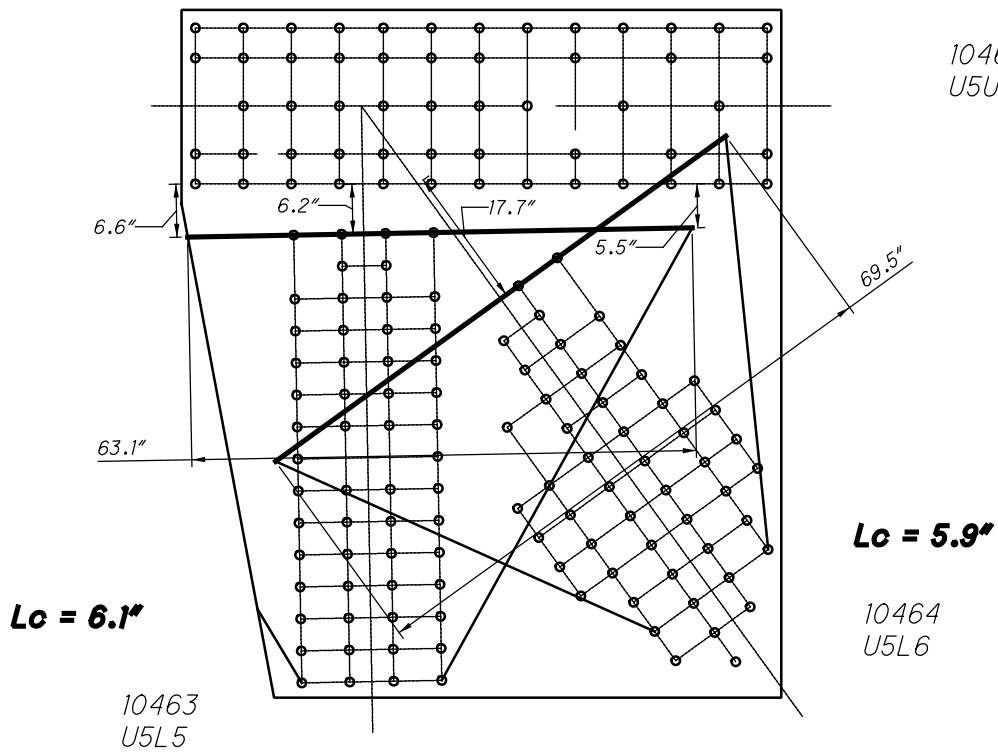
**U45 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U46 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10461
U4U5

10465
U5U6

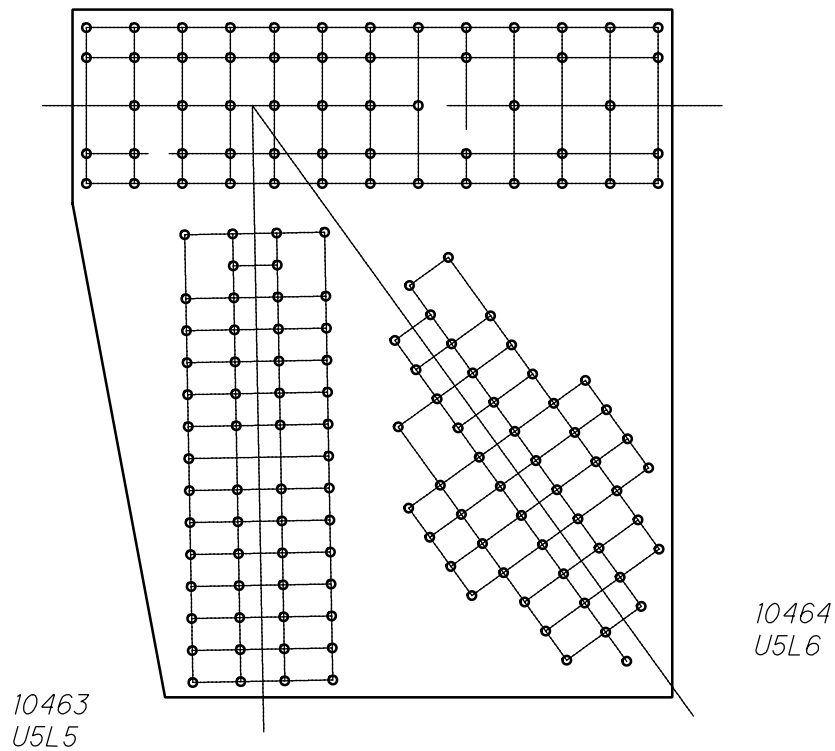


**U46 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10461
U4U5

10465
U5U6



**U46 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10461
U4U5

10465
U5U6

56 RIVETS
x 2 PLATES
=112 RIVETS

10463
U5L5

10464
U5L6

42 RIVETS
x 2 PLATES
=84 RIVETS

**U46 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10461
U4U5

10465
U5U6

75.0"

91.0°

63.8"

54.2°

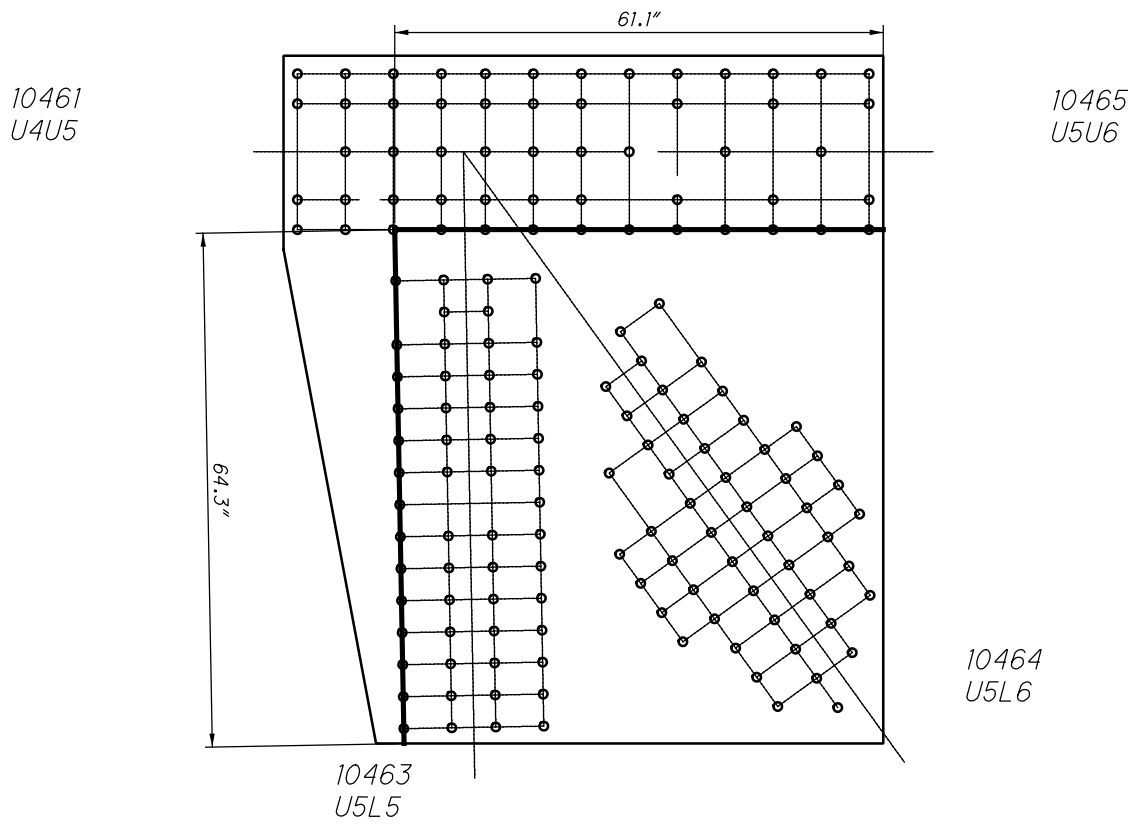
45.7"

10463
U5L5

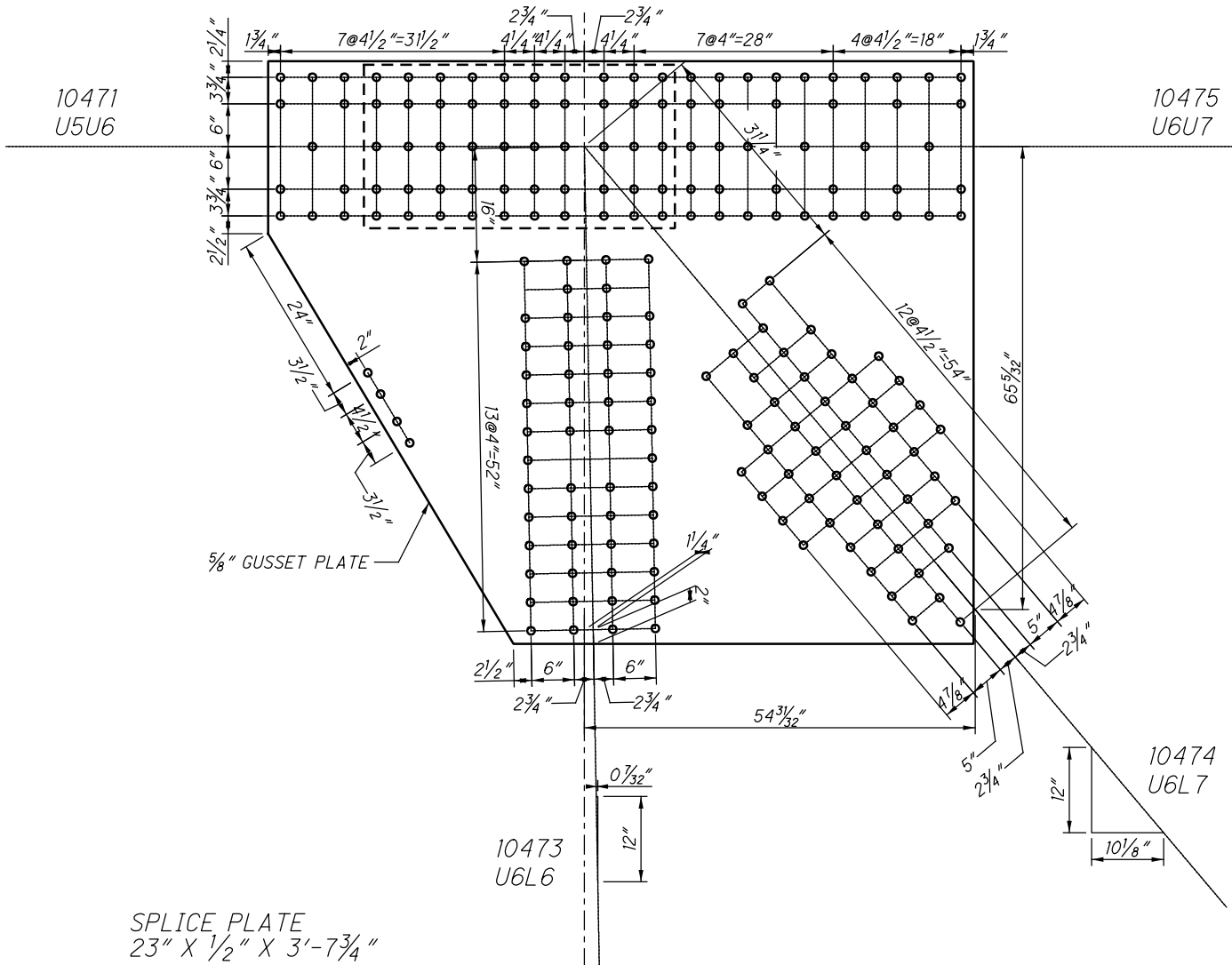
10464
U5L6

86.0"

**U46 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



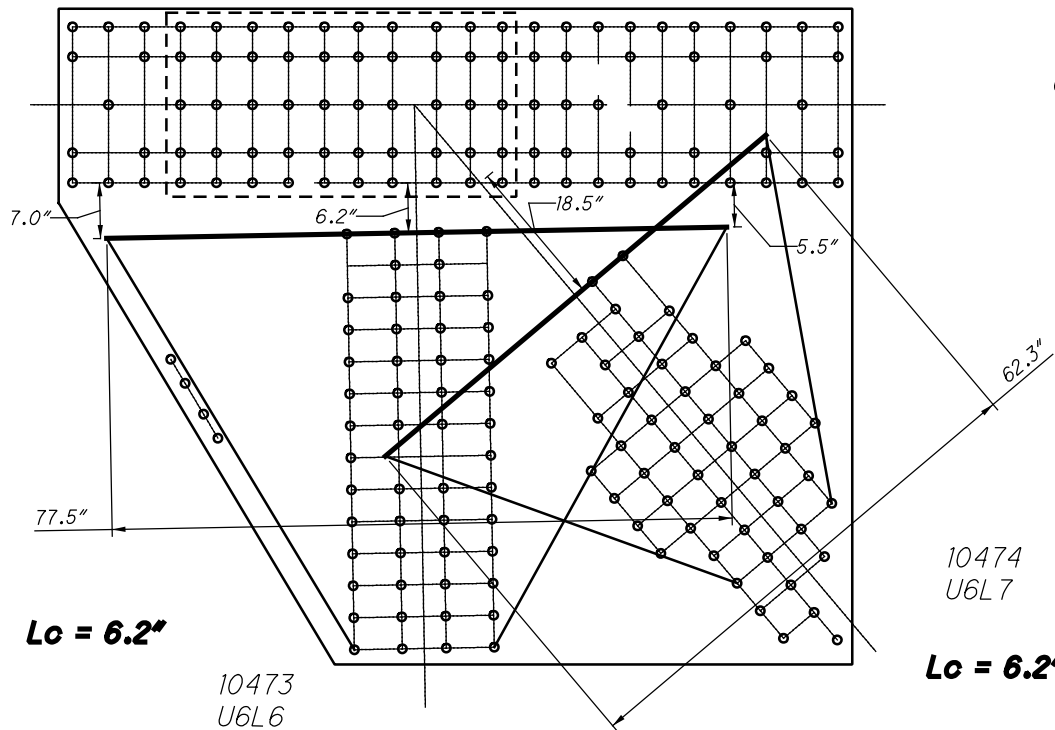
**U46 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U47 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10471
U5U6

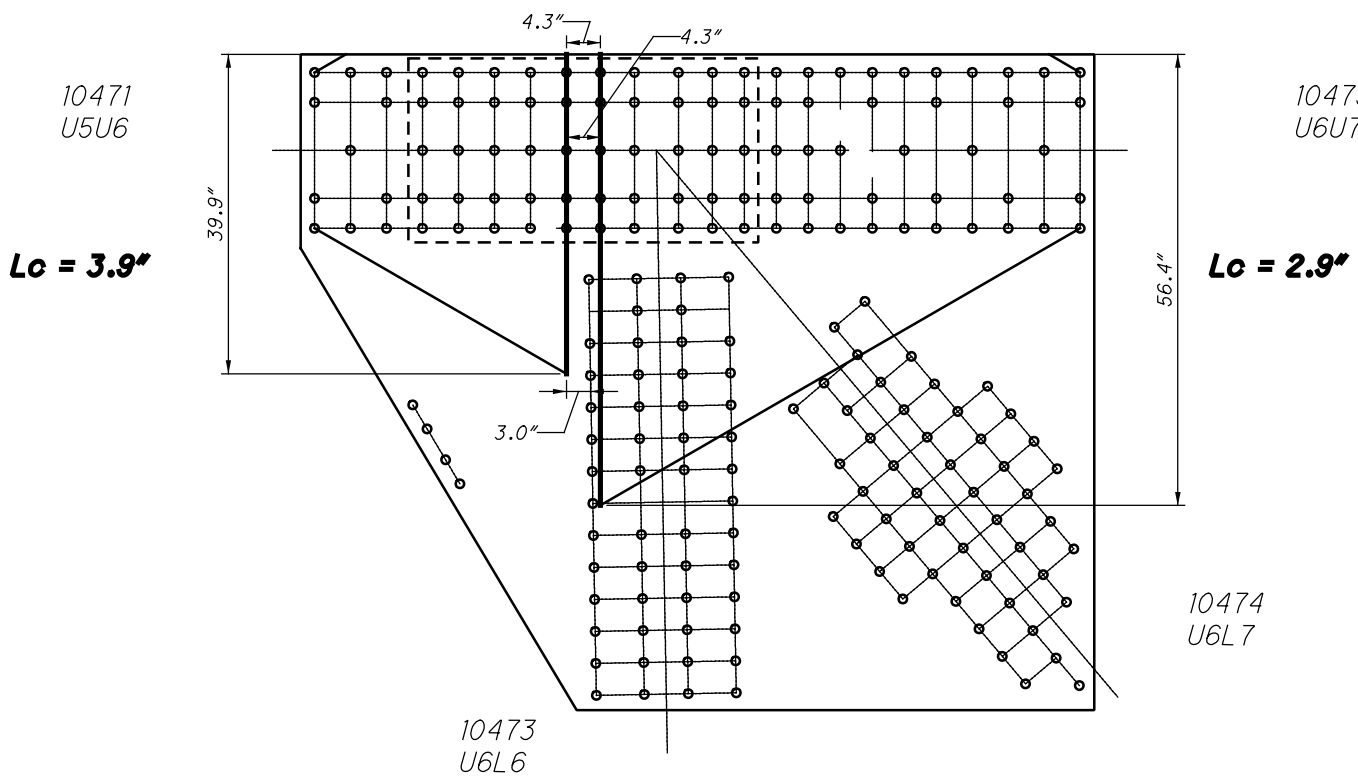
10475
U6U7



**U47 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10471
U5U6

10475
U6U7

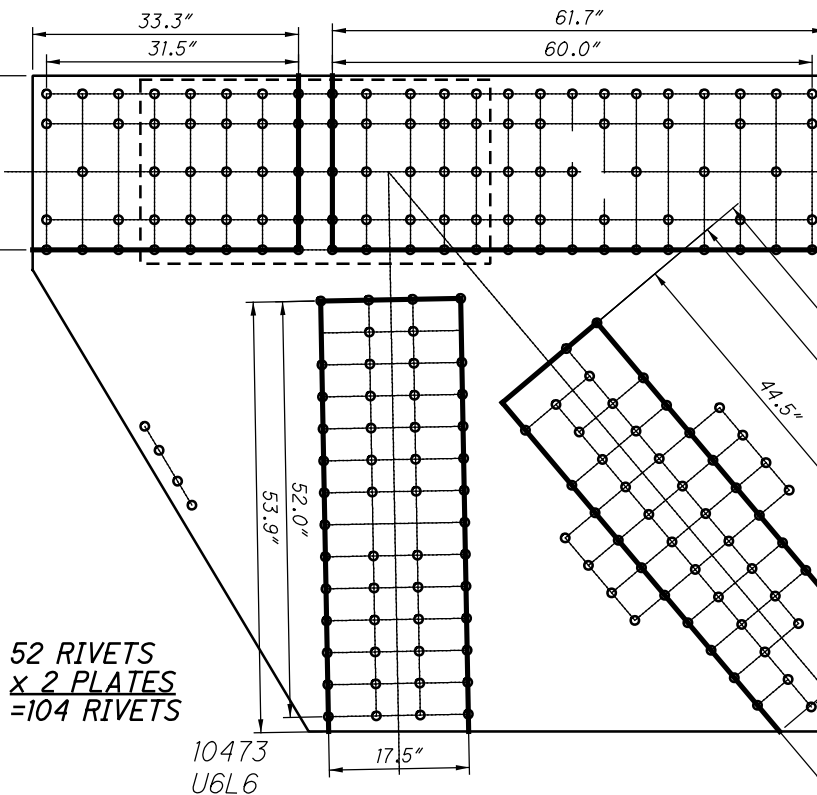


**U47 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

36 RIVETS
x 2 PLATES
=72 RIVETS

10471
U5U6

25 SPLICE P
x 2 PLATES
=50 RIVETS



11047 AND 41047

10475
U6U7

63 RIVETS
x 2 PLATES
=126 RIVETS

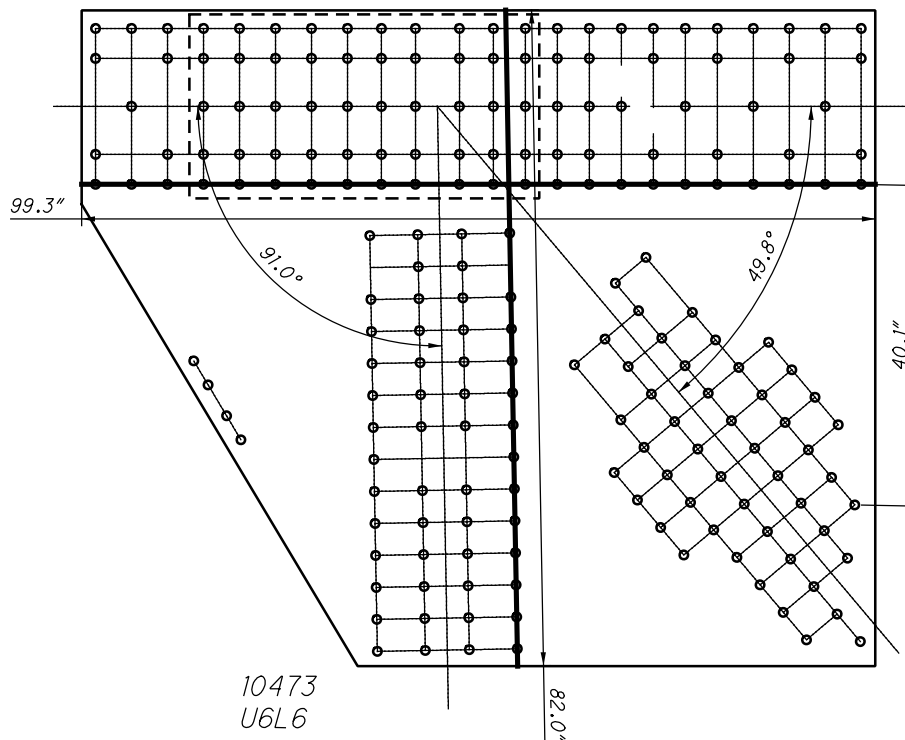
25 SPLICE P
x 2 PLATES
=50 RIVETS

10474
U6L7

42 RIVETS
x 2 PLATES
=84 RIVETS

**U47 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10471
U5U6

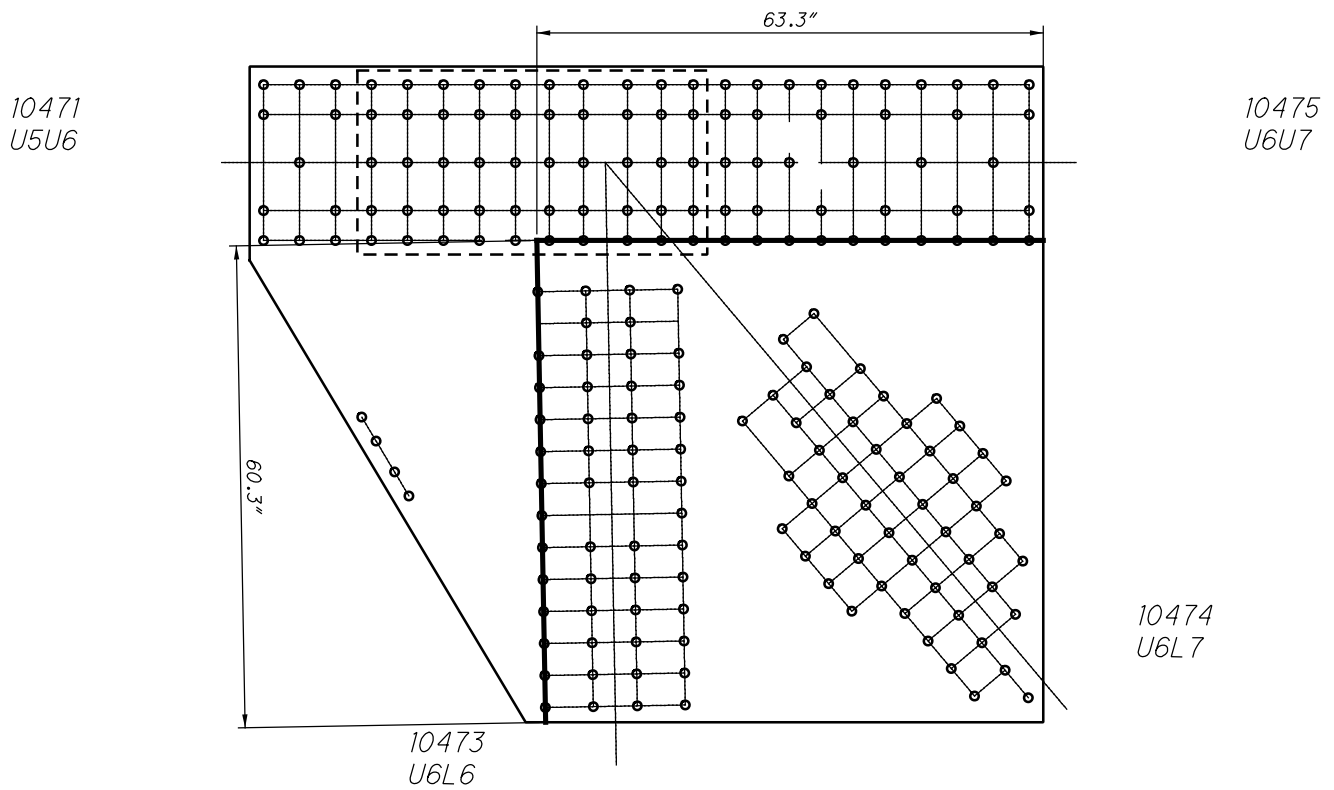


10475
U6U7

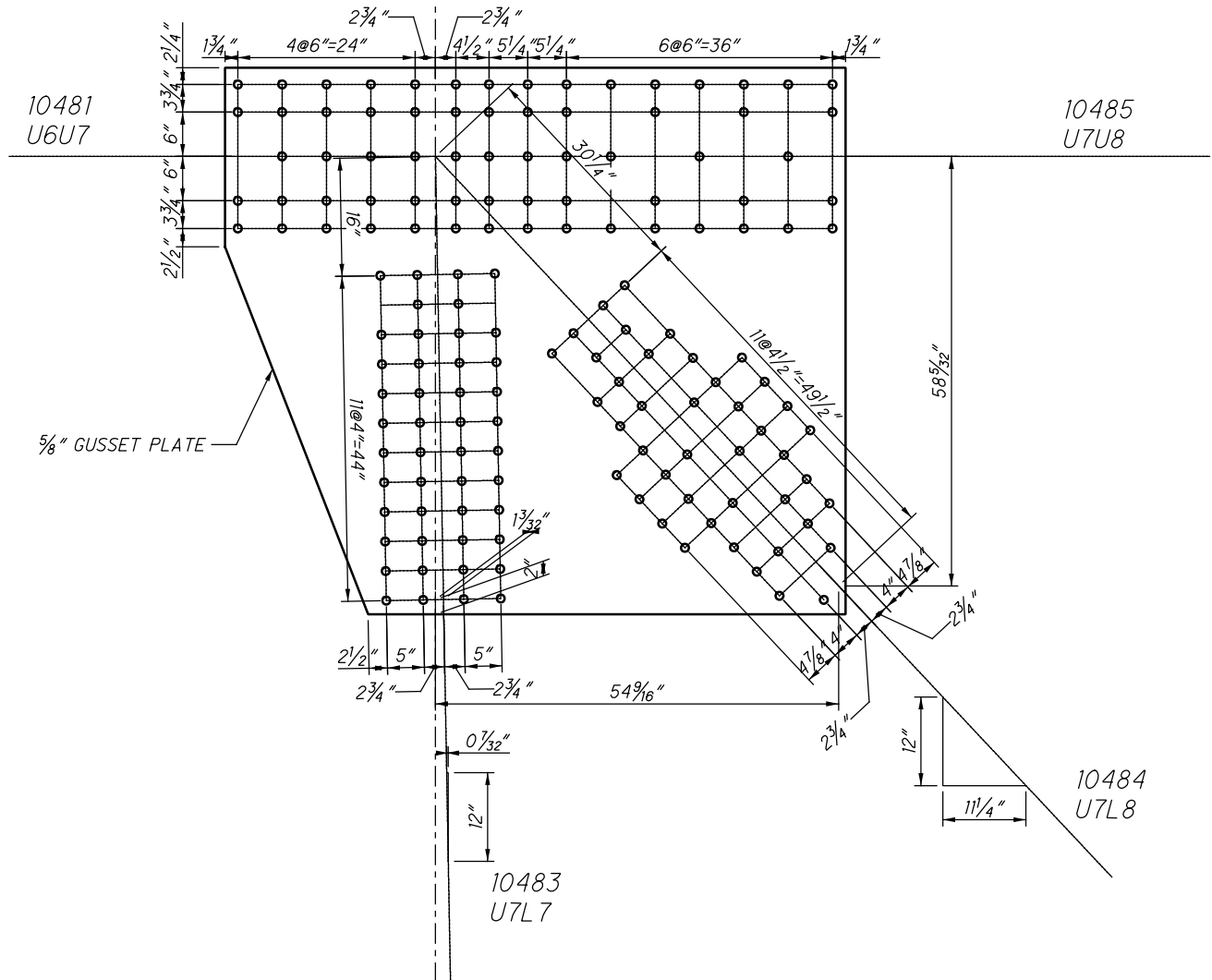
10474
U6L7

10473
U6L6

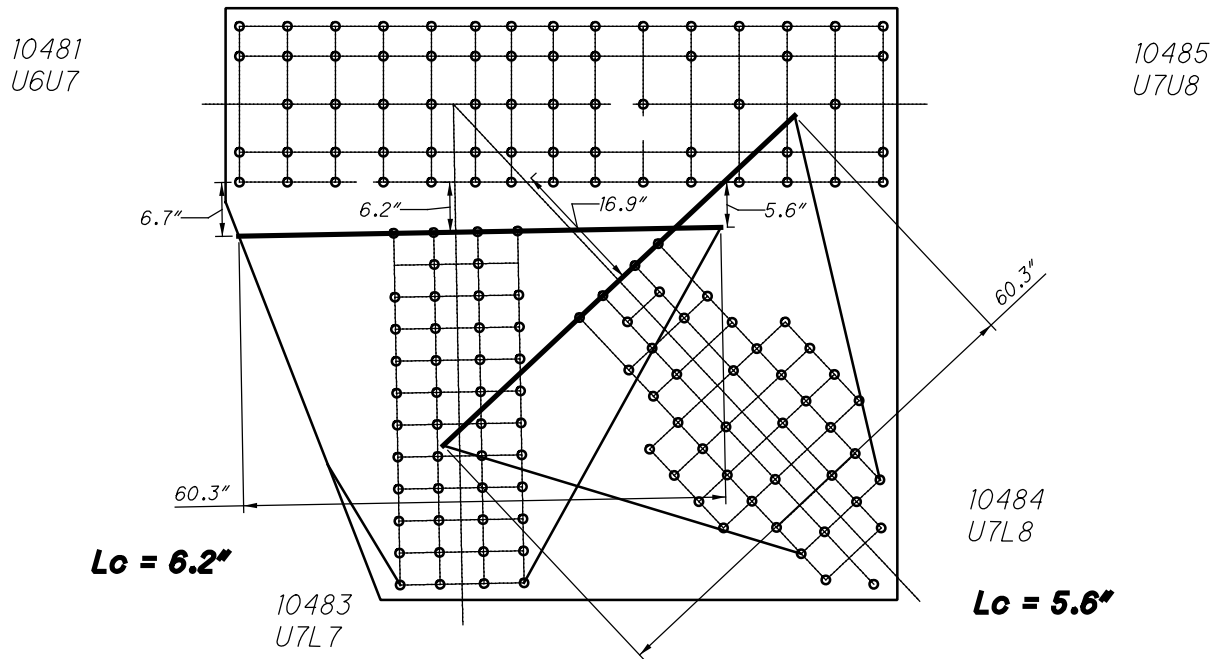
**U47 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



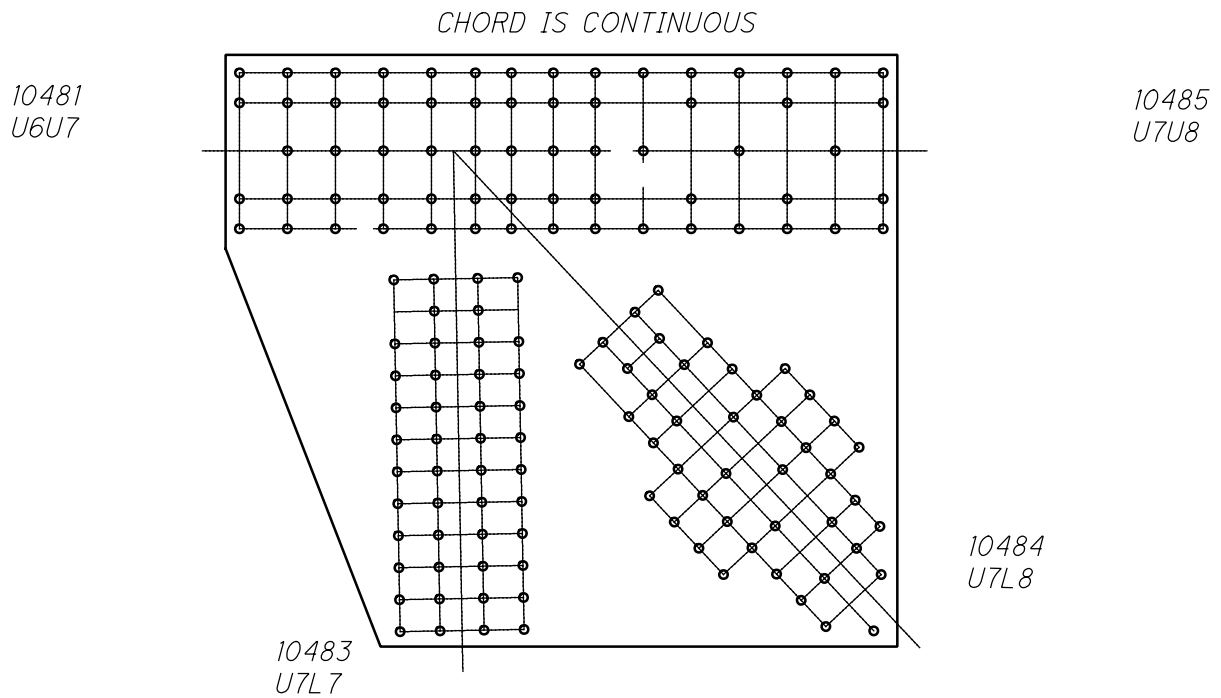
**U47 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U48 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**



**U48 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U48 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10481
U6U7

10485
U7U8

46 RIVETS
x 2 PLATES
=92 RIVETS

35 RIVETS
x 2 PLATES
=70 RIVETS

10483
U7L7

10484
U7L8

**U48 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

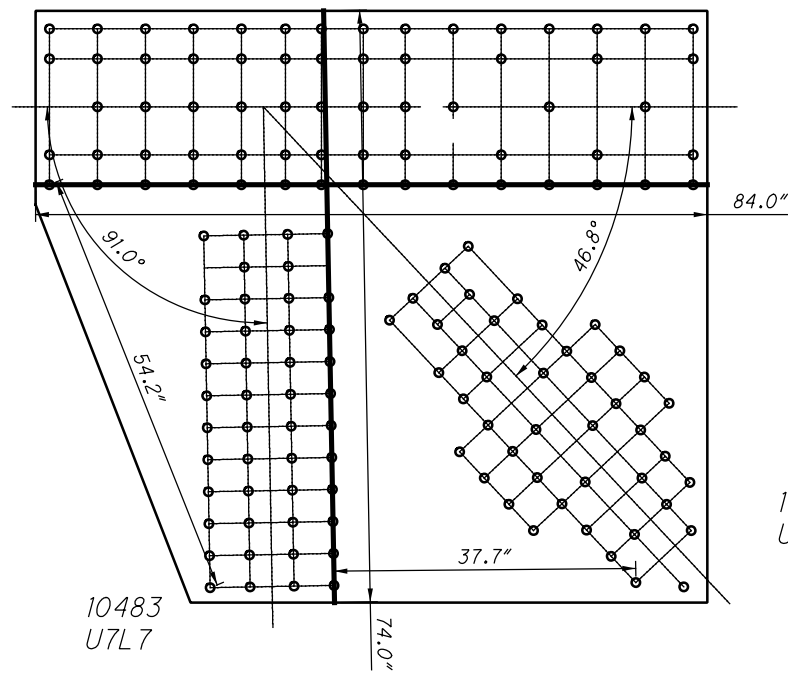
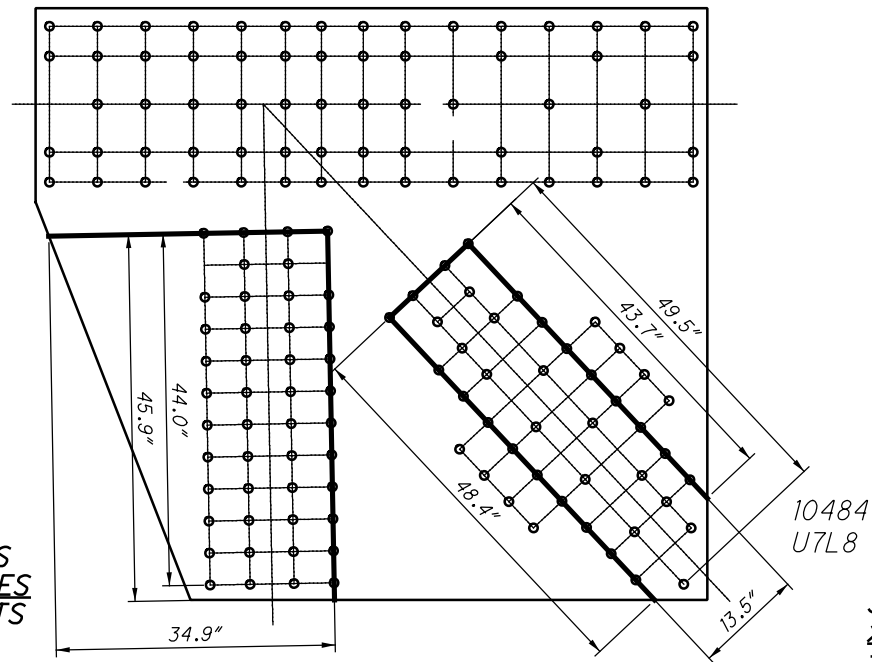
10481
U6U7

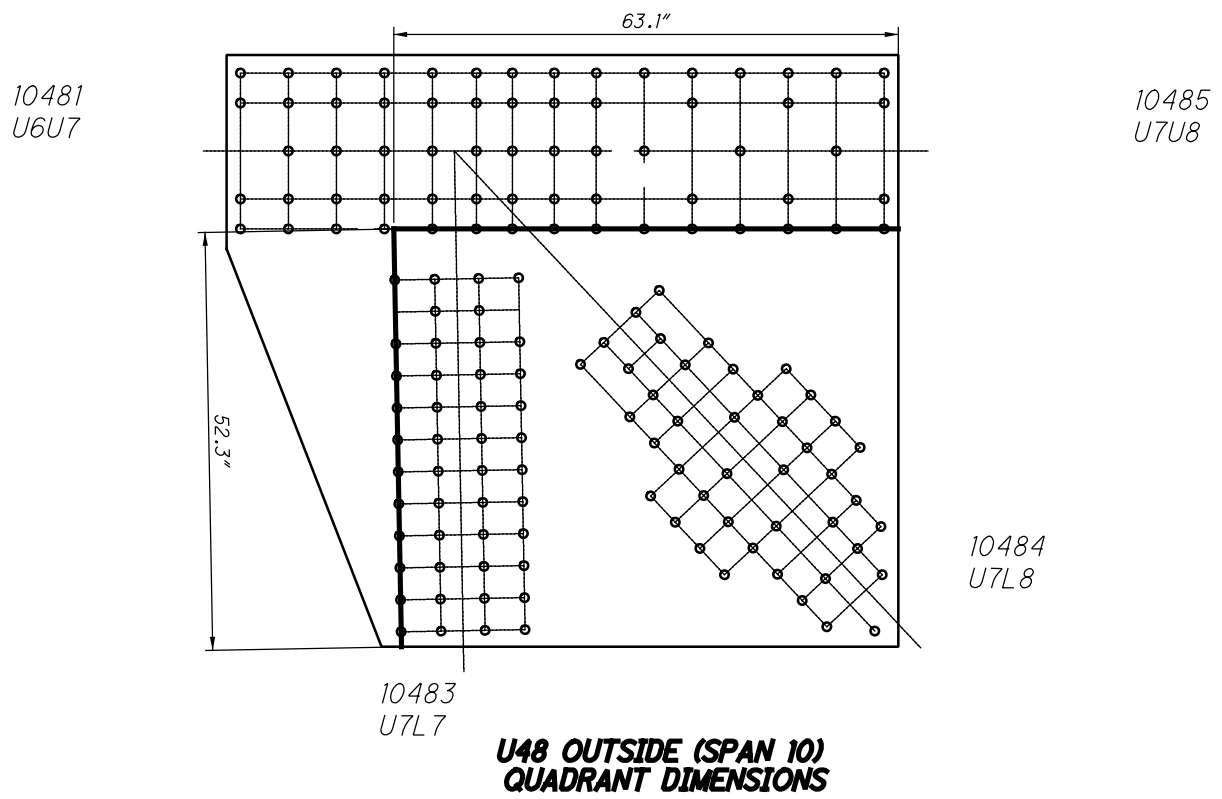
10485
U7U8

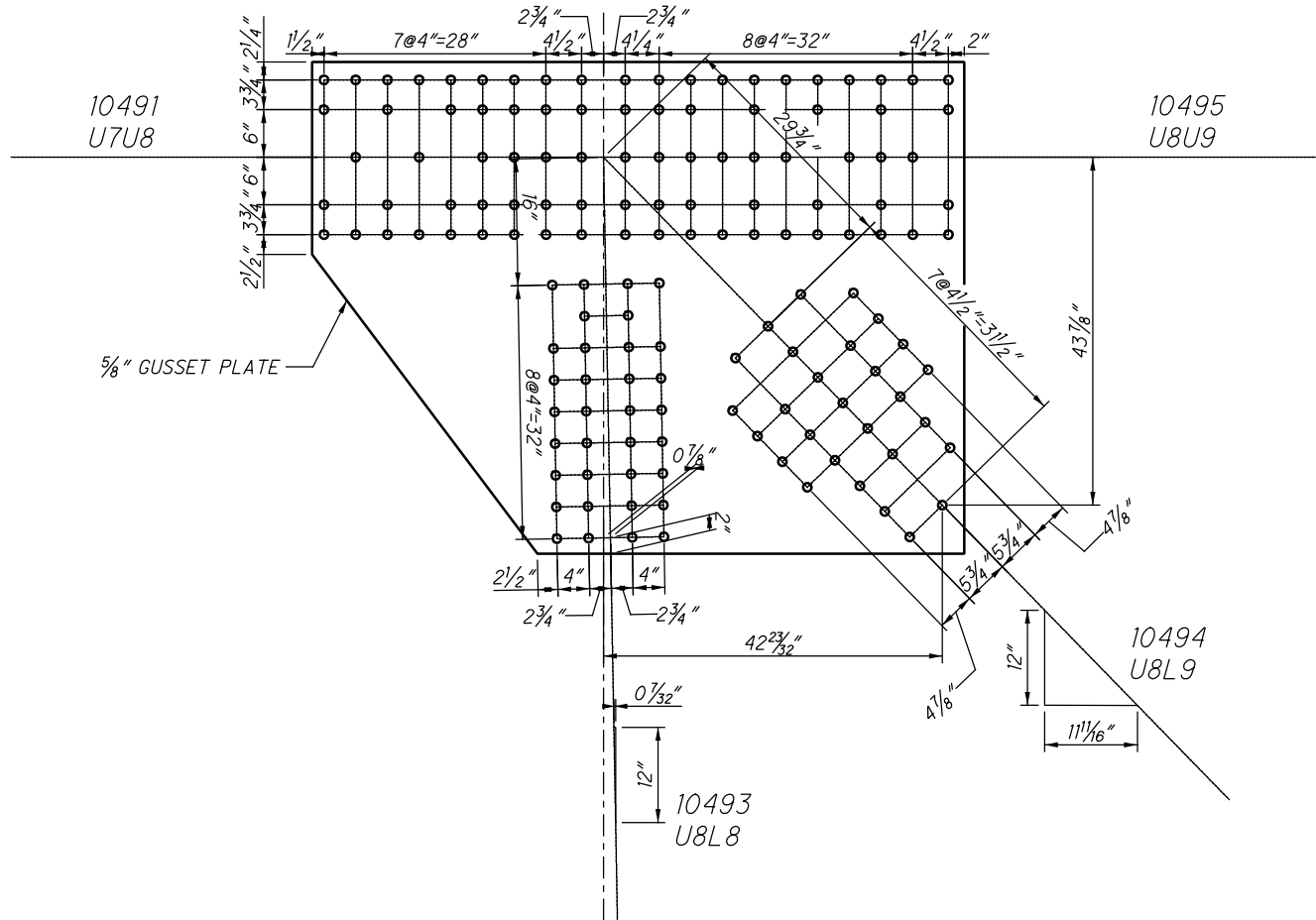
10484
U7L8

10483
U7L7

**U48 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



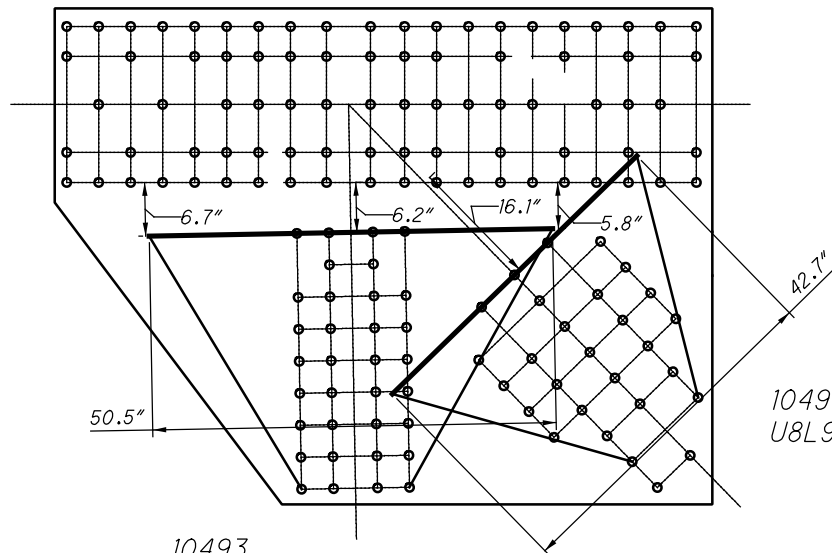




**U49 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10491
U7U8

10495
U8U9



10493
U8L8

10494
U8L9

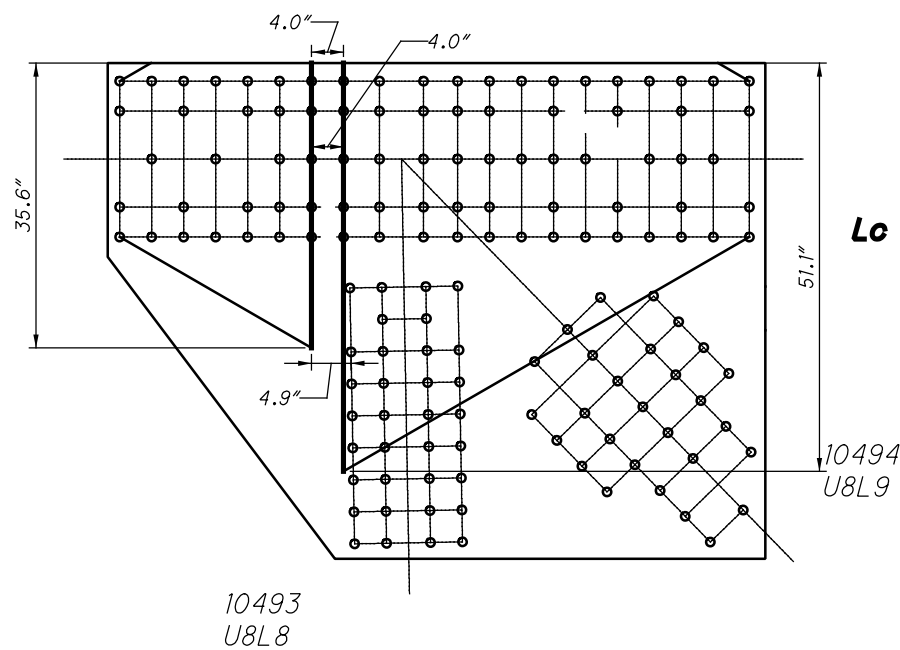
$L_c = 6.2"$

$L_c = 5.4"$

**U49 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10491
U7U8

10495
U8U9



$L_c = 4.3"$

$L_c = 2.7"$

10493
U8L8

10494
U8L9

**U49 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

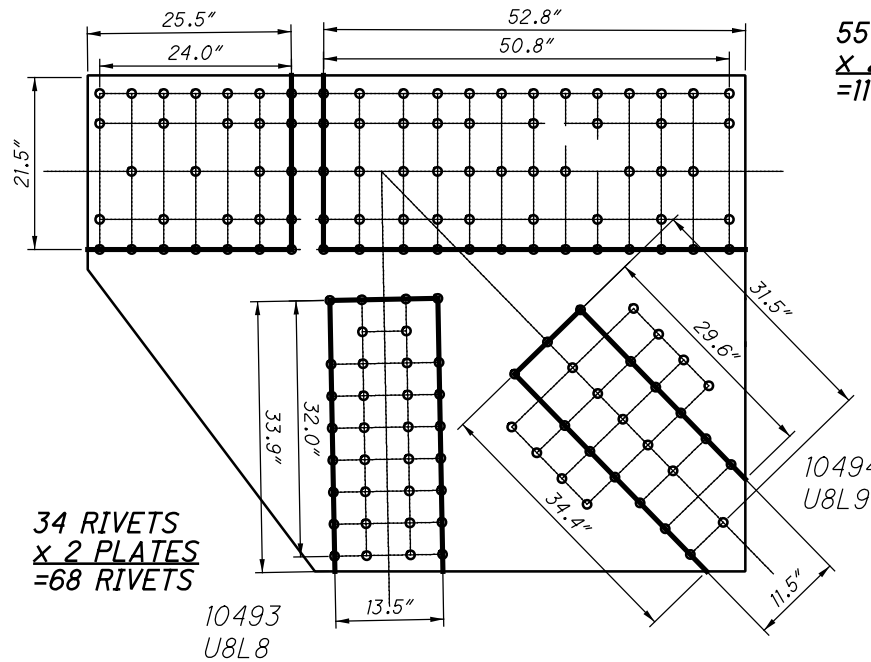
28 RIVETS
 x 2 PLATES
 =56 RIVETS

10491
 U7U8

11049 AND 41049

55 RIVETS
 x 2 PLATES
 =110 RIVETS

10495
 U8U9



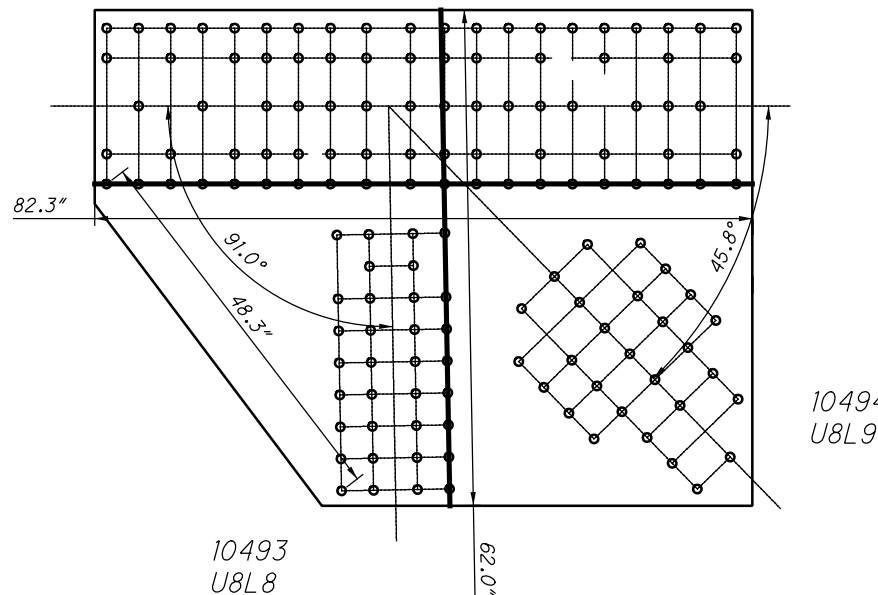
34 RIVETS
 x 2 PLATES
 =68 RIVETS

20 RIVETS
 x 2 PLATES
 =40 RIVETS

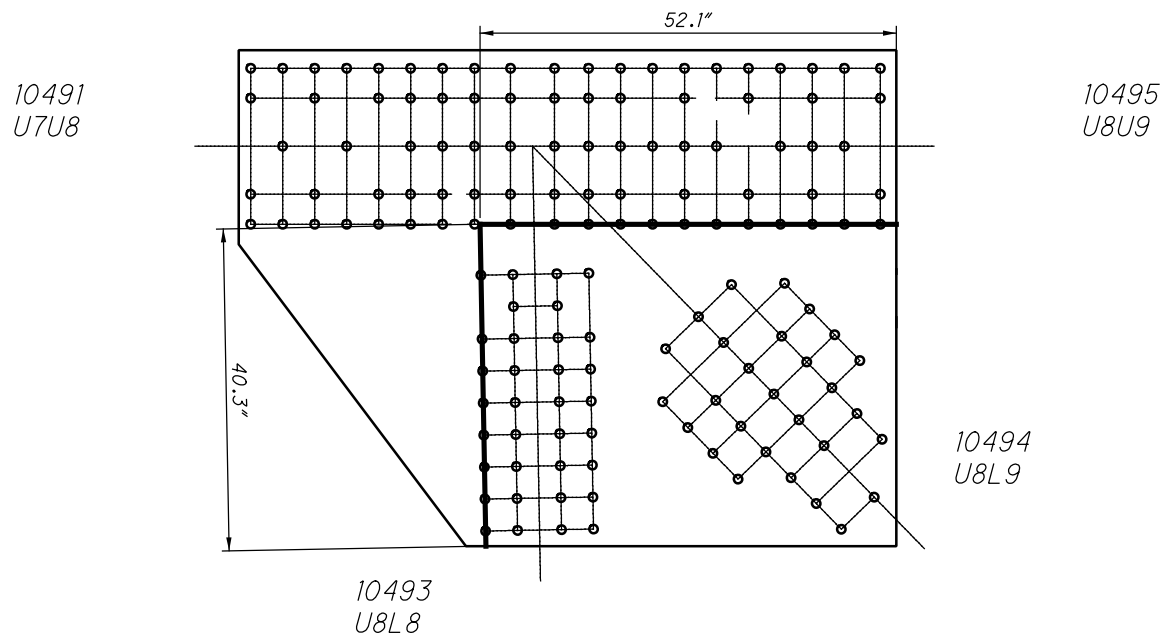
**U49 OUTSIDE (SPAN 10)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

10491
 U7U8

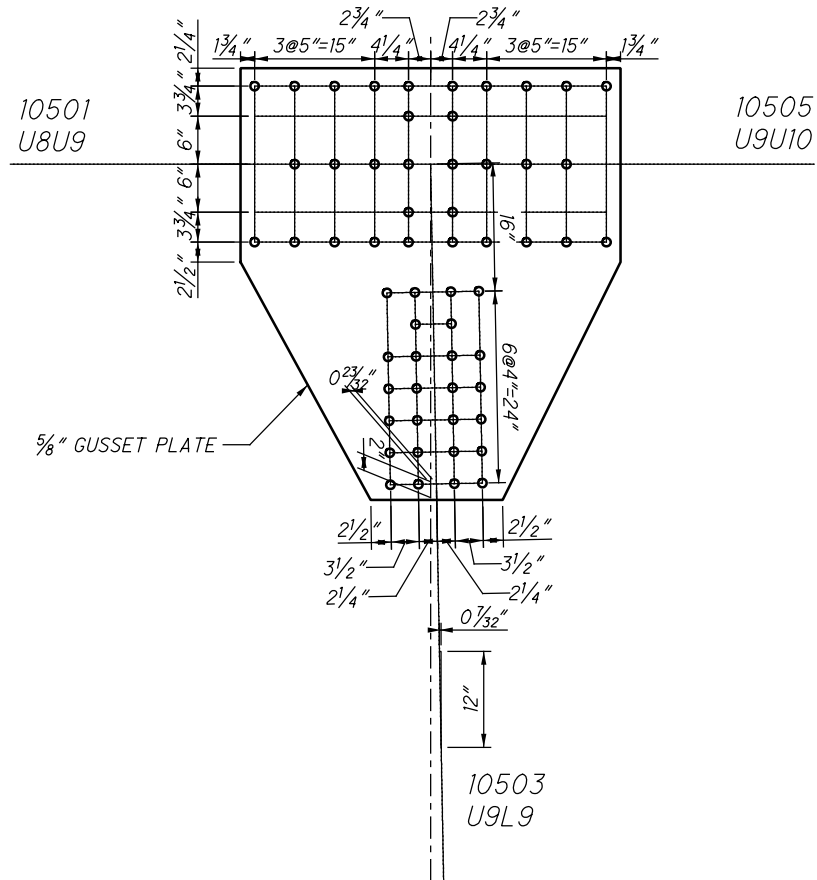
10495
 U8U9



**U49 OUTSIDE (SPAN 10)
 SHEAR AND FREE EDGE CHECK**



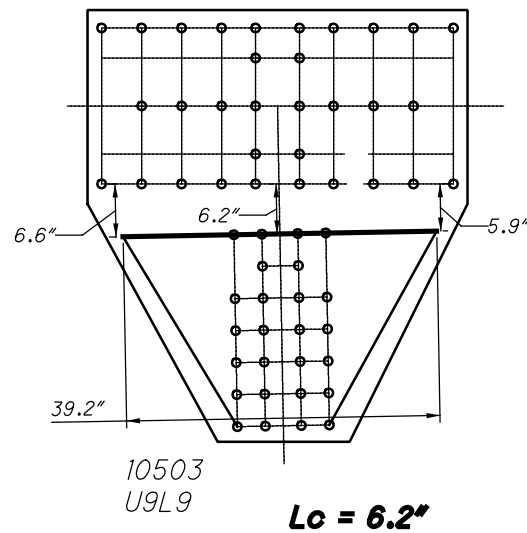
**U49 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U50 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10501
U8U9

10505
U9U10

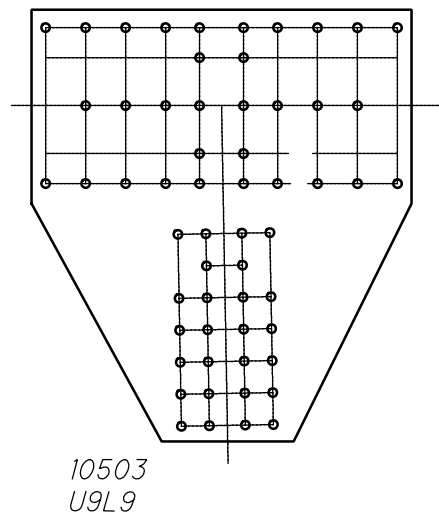


**U50 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10501
U8U9

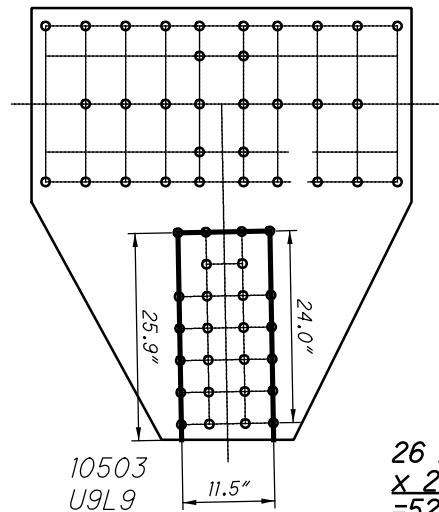
10505
U9U10



**U50 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10501
U8U9

10505
U9U10

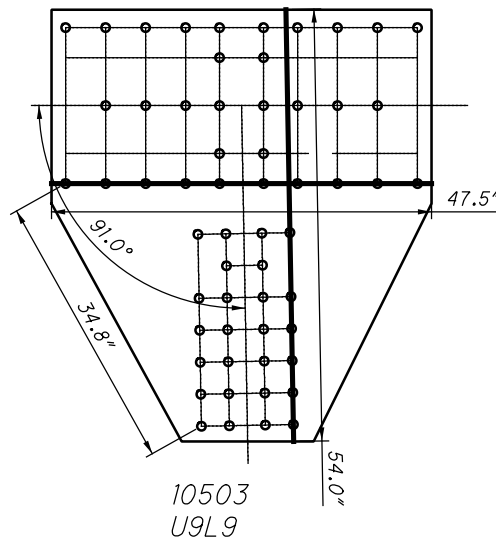


26 RIVETS
x 2 PLATES
=52 RIVETS

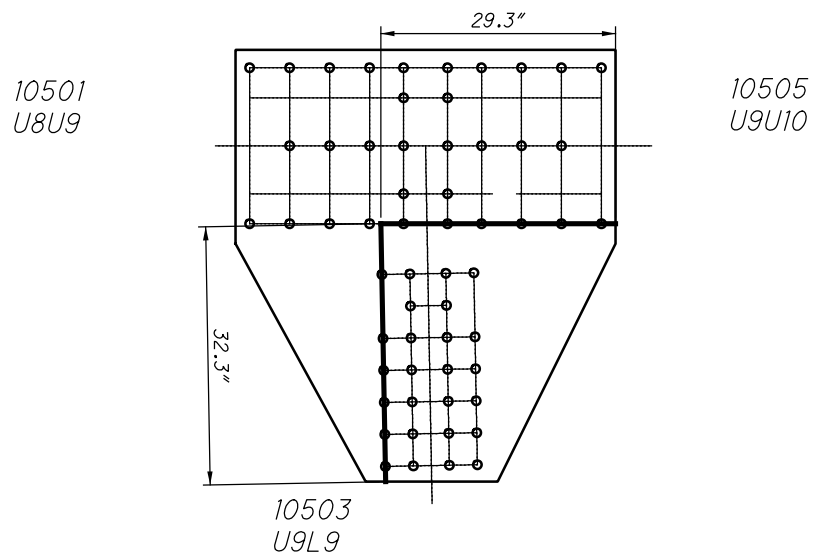
**U50 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10501
U8U9

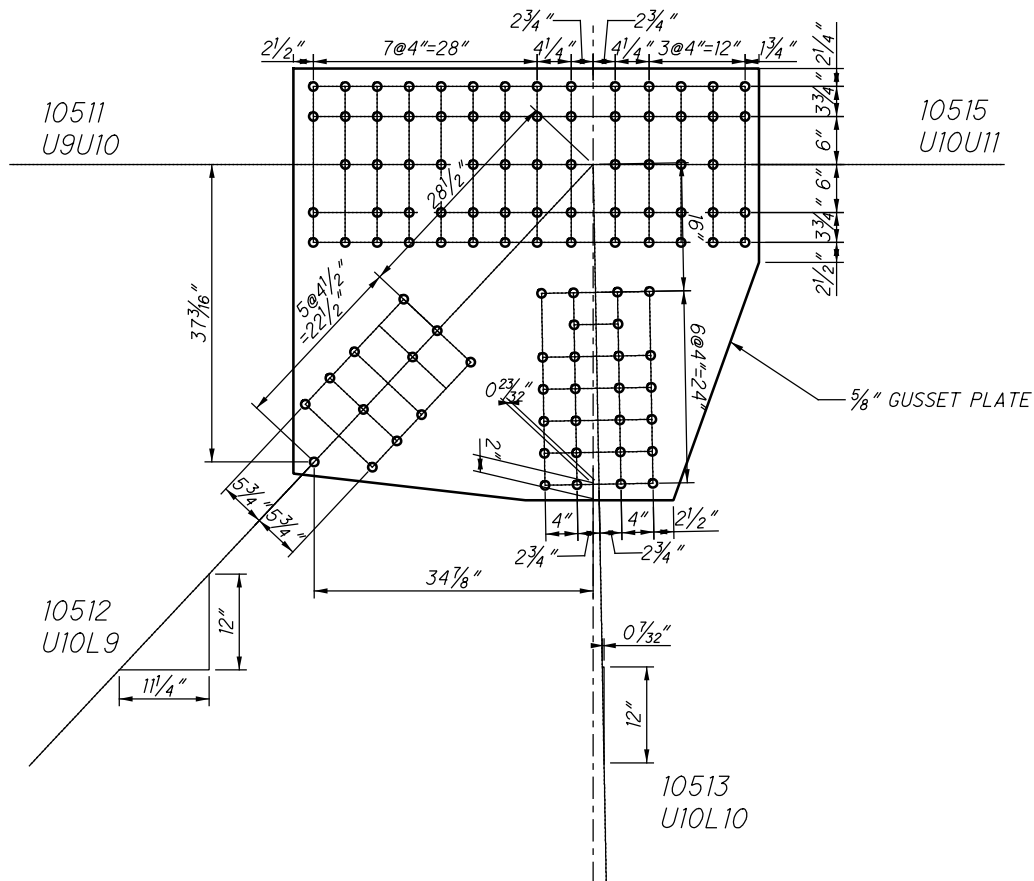
10505
U9U10

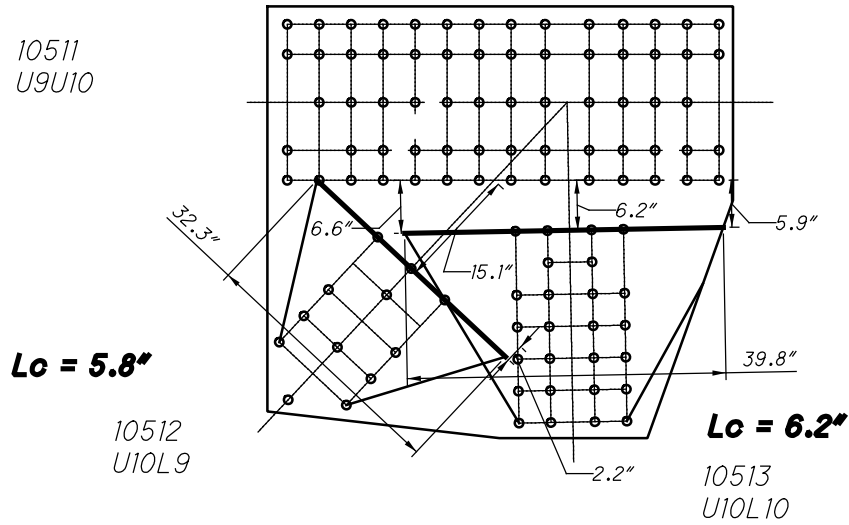


**U50 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

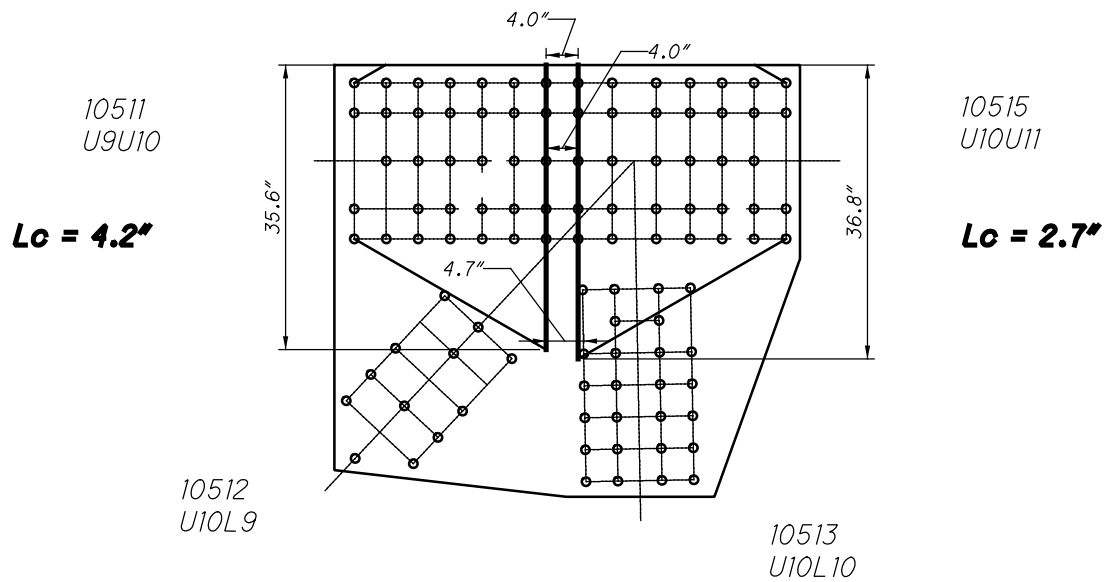


**U50 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**





**U51 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U51 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

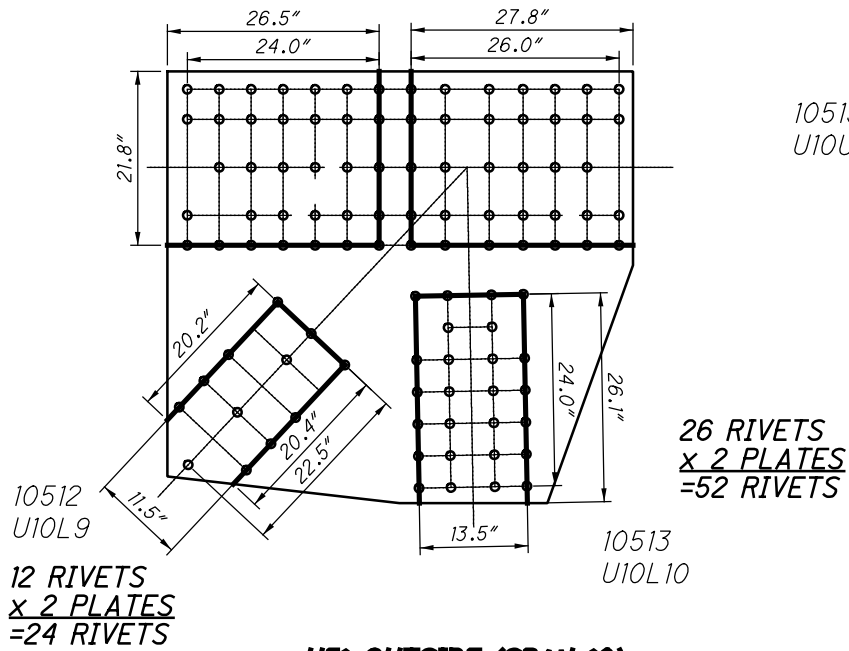
33 RIVETS
x 2 PLATES
=66 RIVETS

10511
U9U10

11051 AND 41051

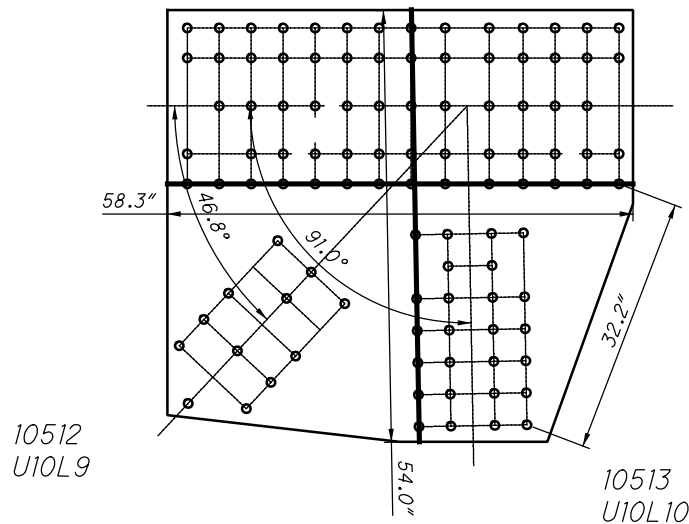
34 RIVETS
x 2 PLATES
=68 RIVETS

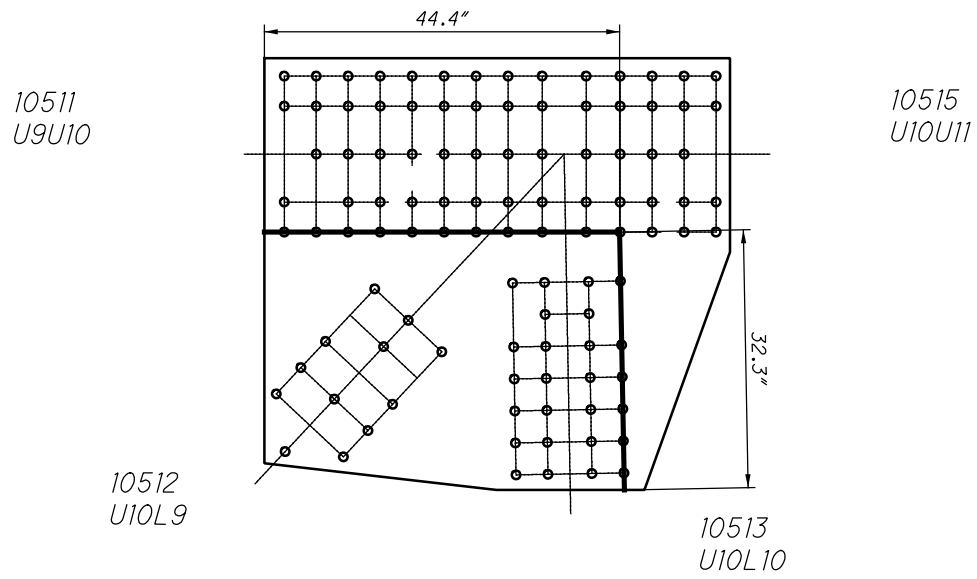
10515
U10U11



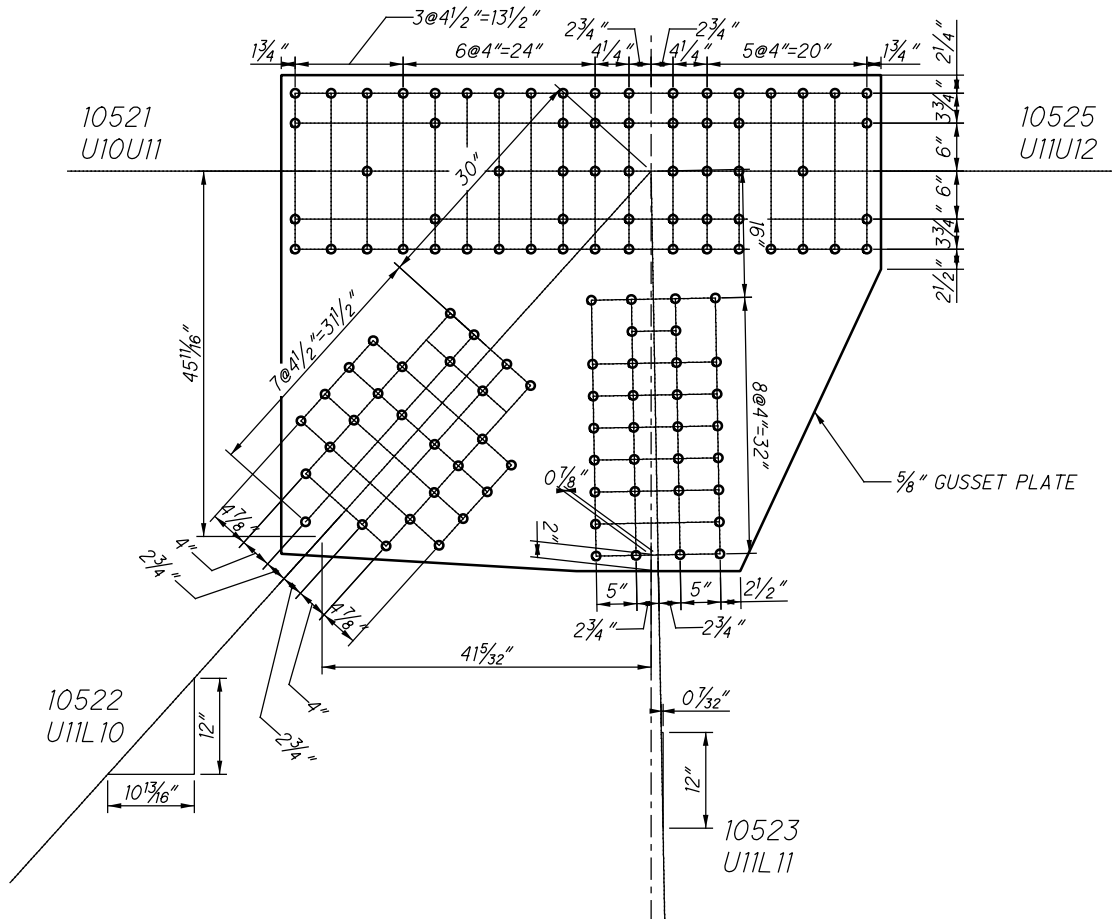
10511
U9U10

10515
U10U11

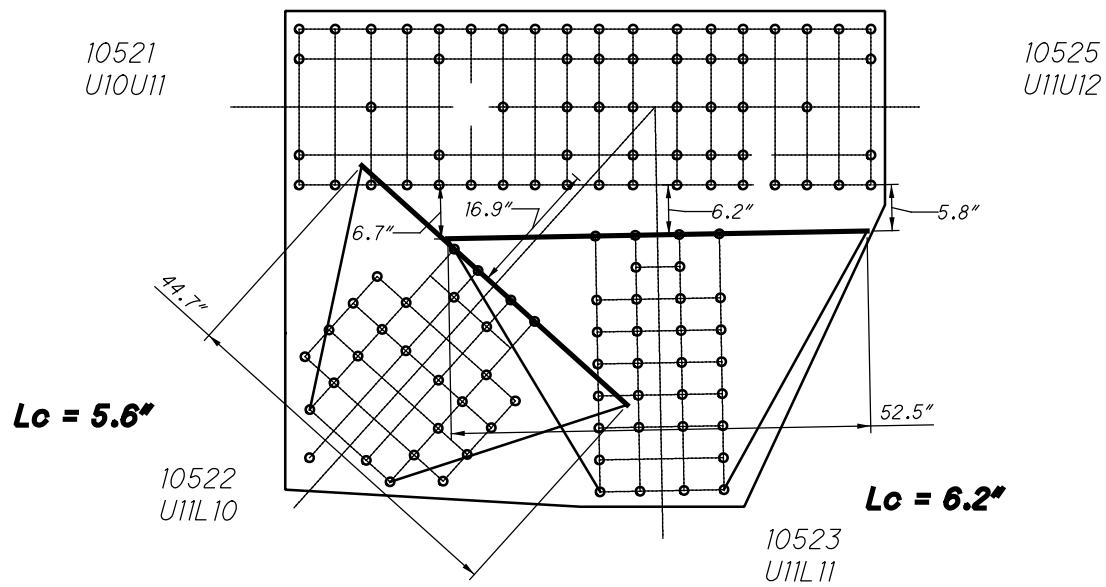




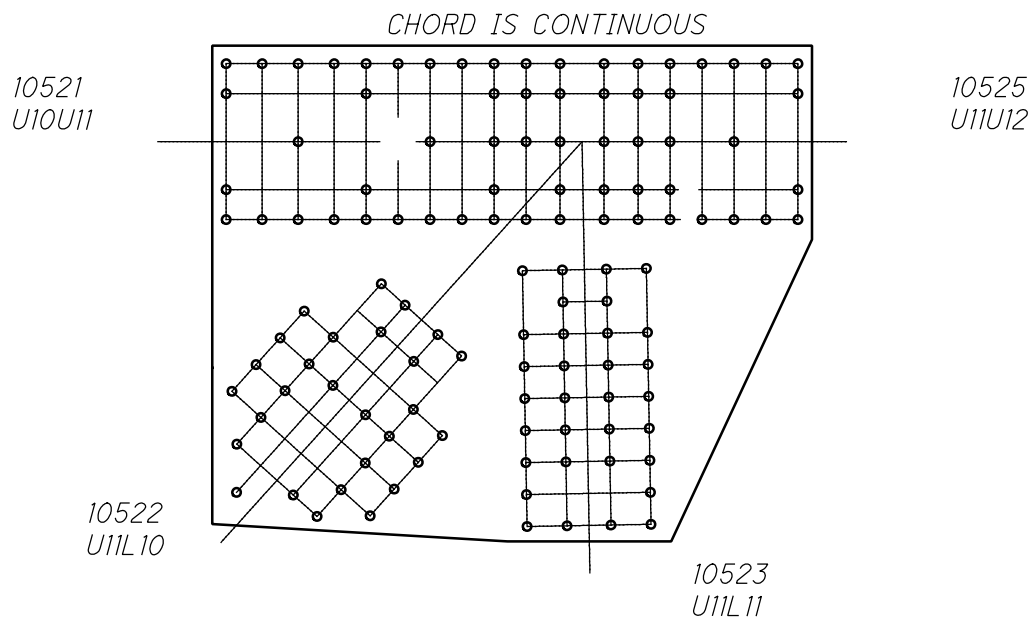
**U51 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



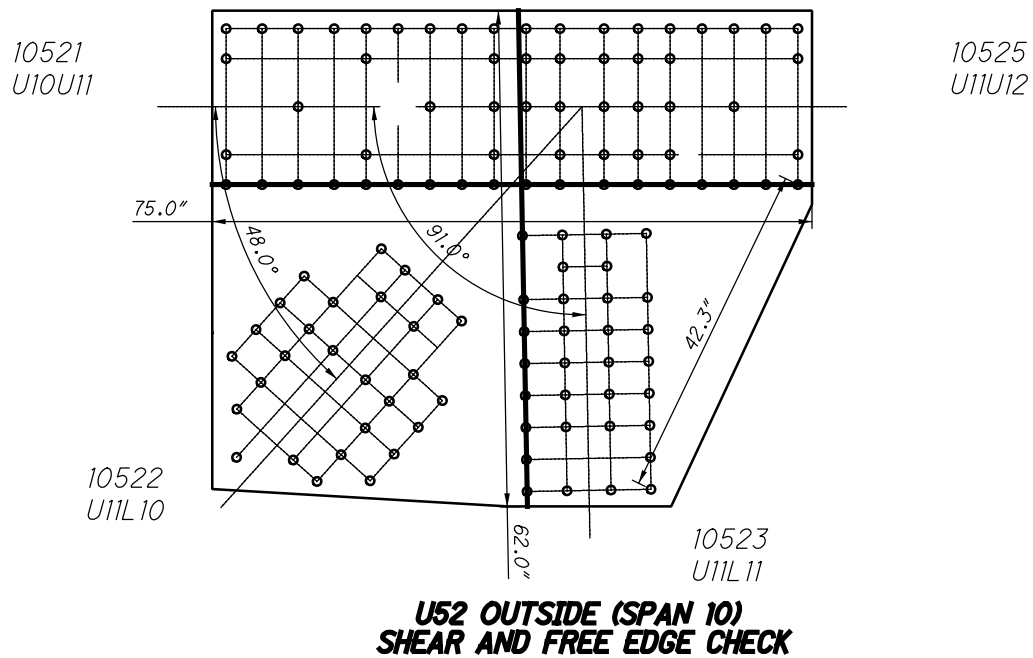
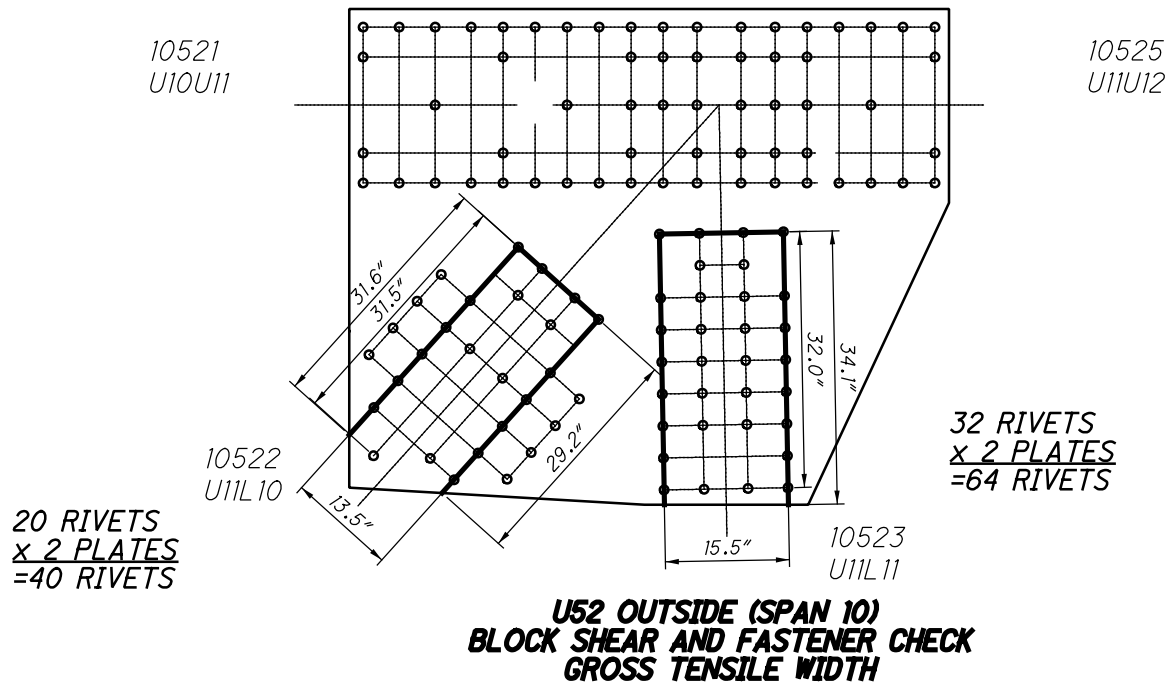
**U2 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

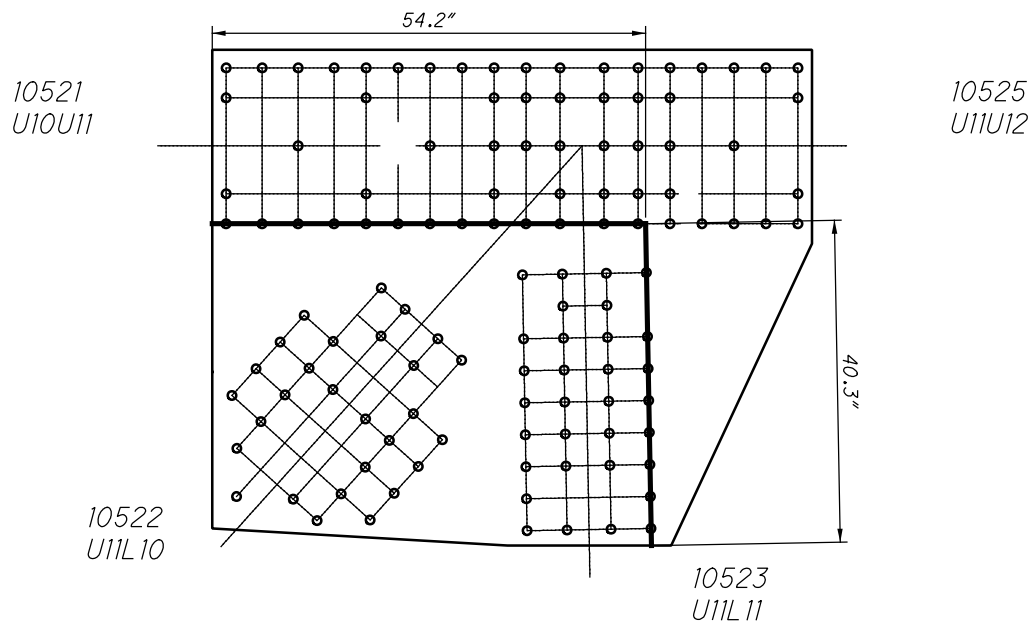


**U52 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



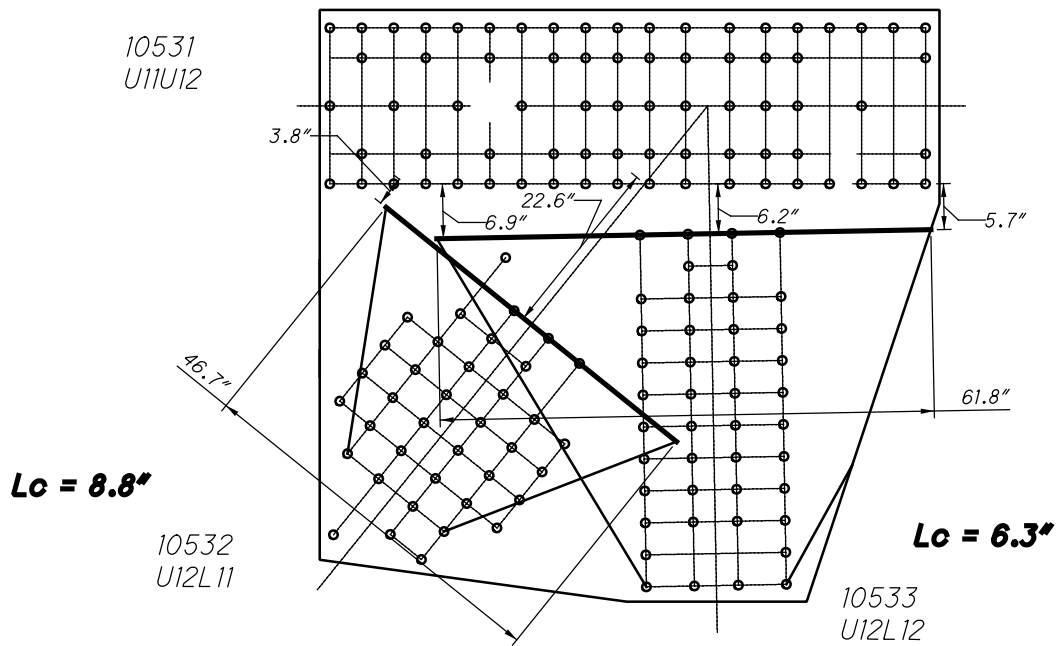
**U52 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



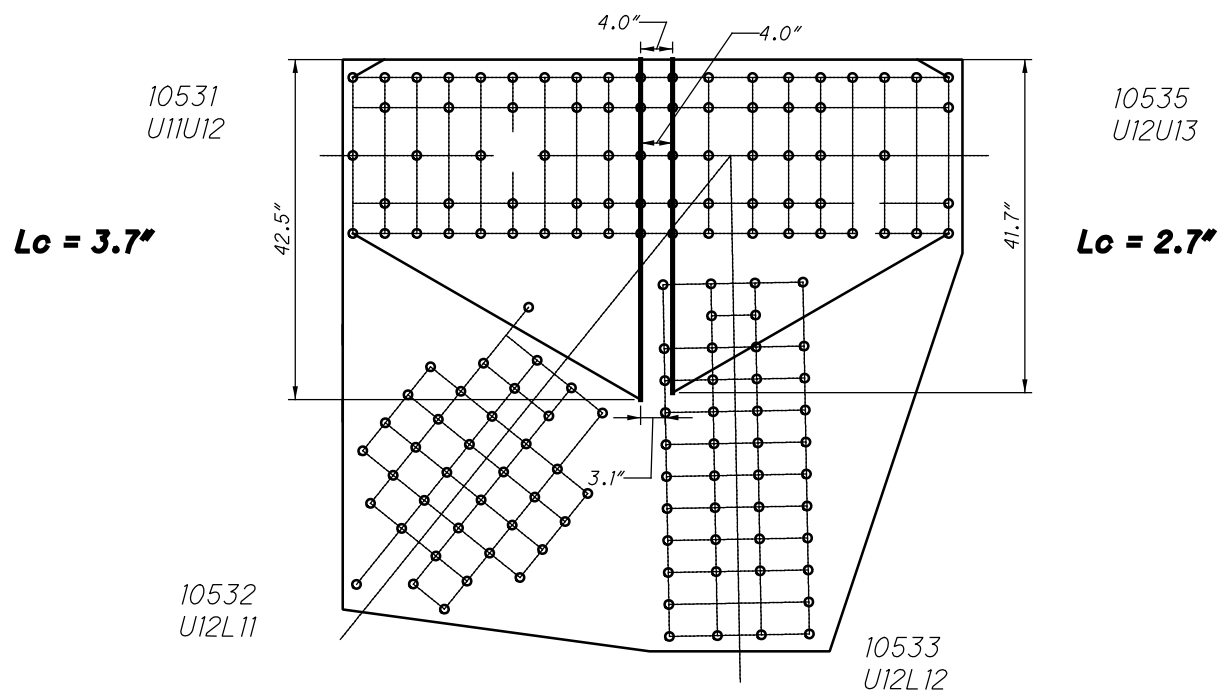


**U52 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**

**U53 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**



**U53 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U53 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

38 RIVETS
x 2 PLATES
 =76 RIVETS

10531
 U11U12

11053 AND 41053

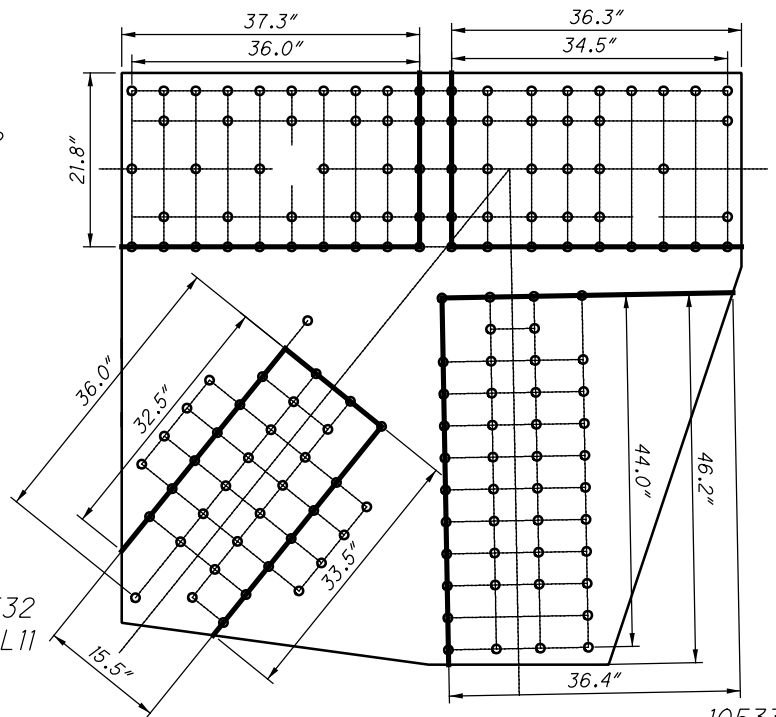
10535
 U12U13

36 RIVETS
x 2 PLATES
 =72 RIVETS

29 RIVETS
x 2 PLATES
 =58 RIVETS

10532
 U12L 11

44 RIVETS
x 2 PLATES
 =88 RIVETS

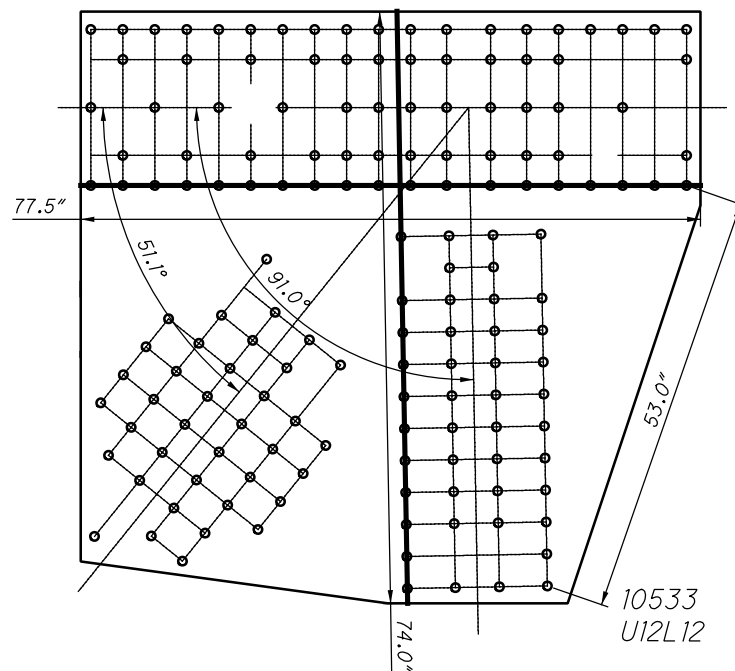


10533
 U12L 12

**U53 OUTSIDE (SPAN 10)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

10531
 U11U12

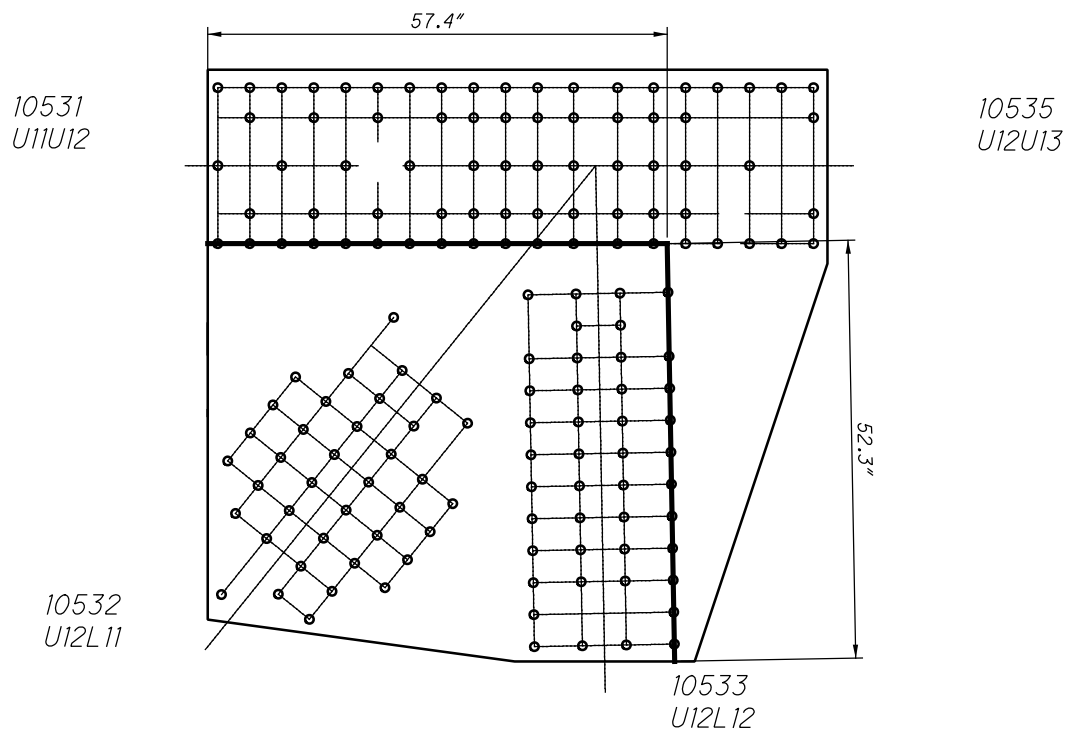
10535
 U12U13



10532
 U12L 11

10533
 U12L 12

**U53 OUTSIDE (SPAN 10)
 SHEAR AND FREE EDGE CHECK**

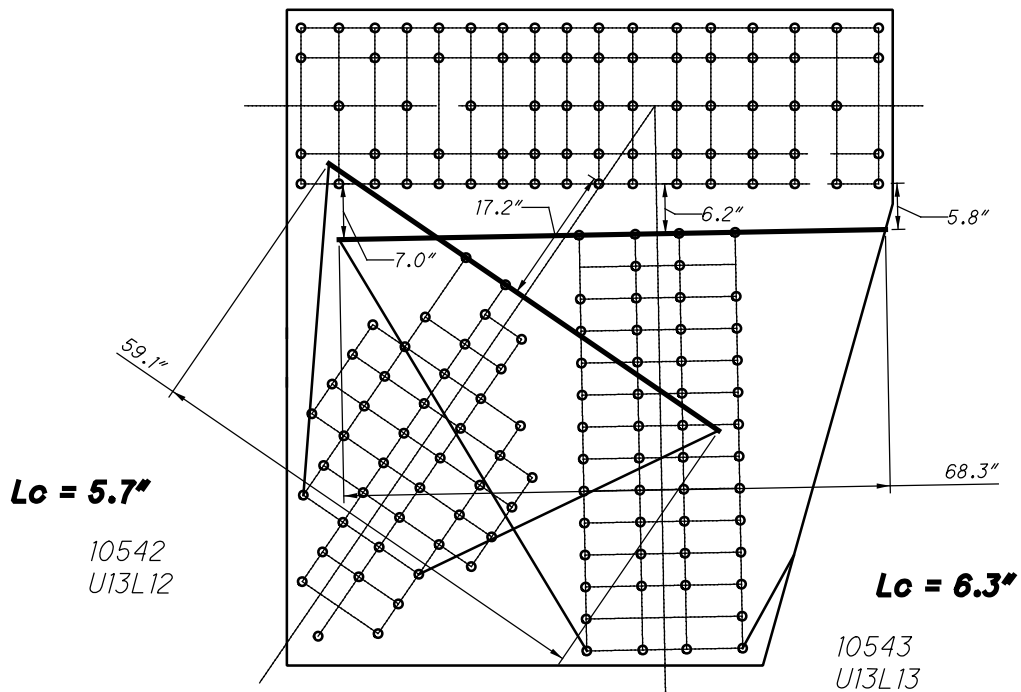


**U53 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



10541
U12U13

10545
U13U14

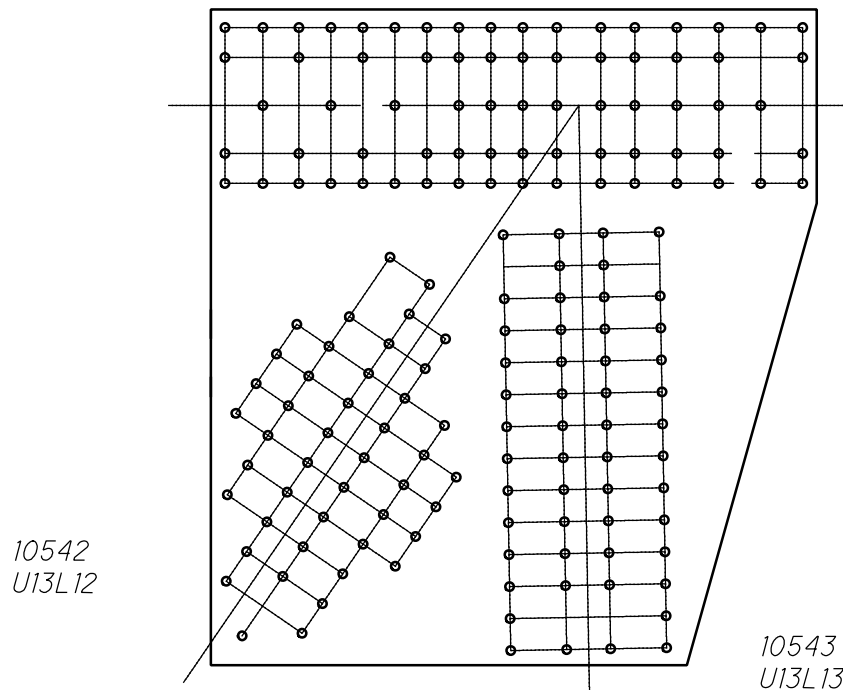


**U54 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10541
U12U13

10545
U13U14



**U54 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10541
U12U13

10545
U13U14

38 RIVETS
x 2 PLATES
=76 RIVETS

10542
U13L12

52 RIVETS
x 2 PLATES
=104 RIVETS

10543
U13L13

**U54 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

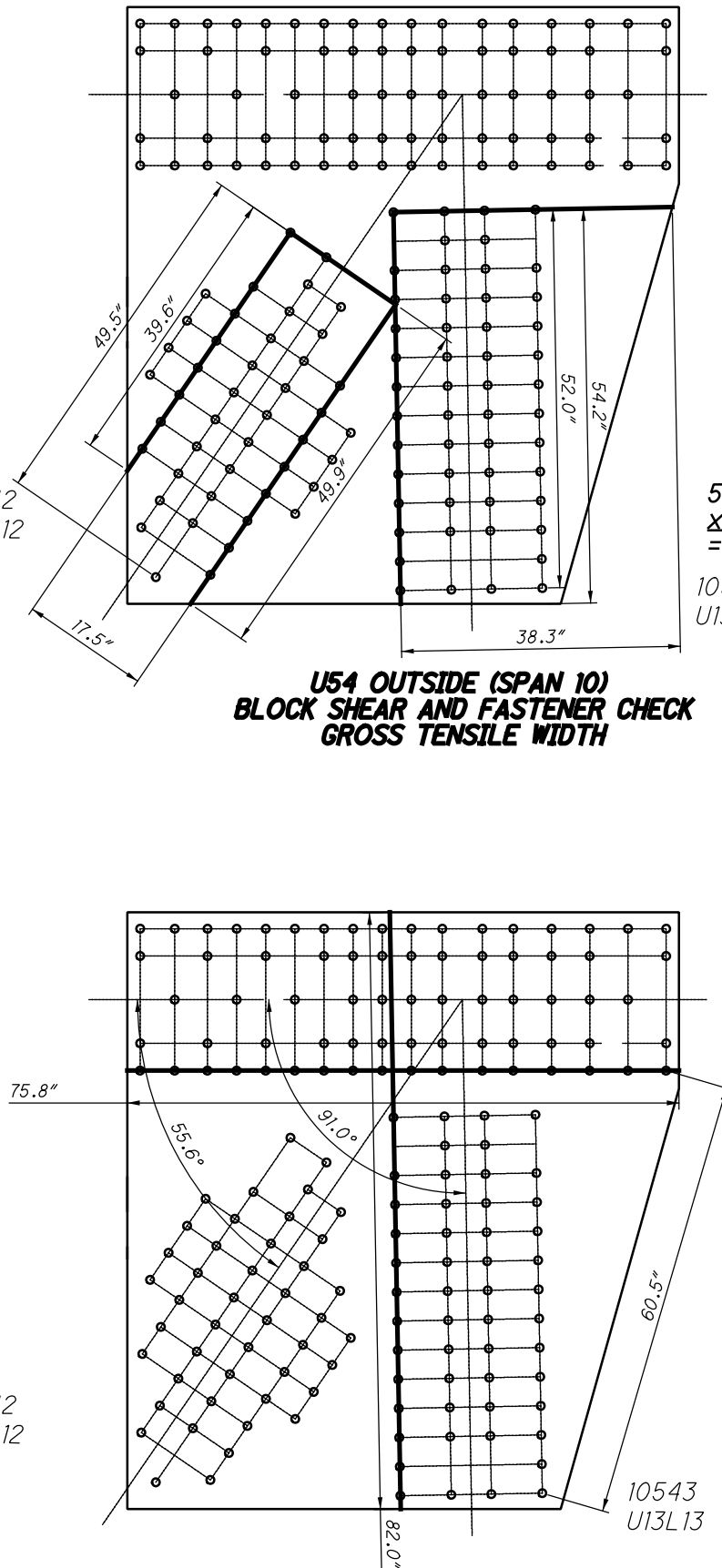
10541
U12U13

10545
U13U14

10542
U13L12

10543
U13L13

**U54 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**



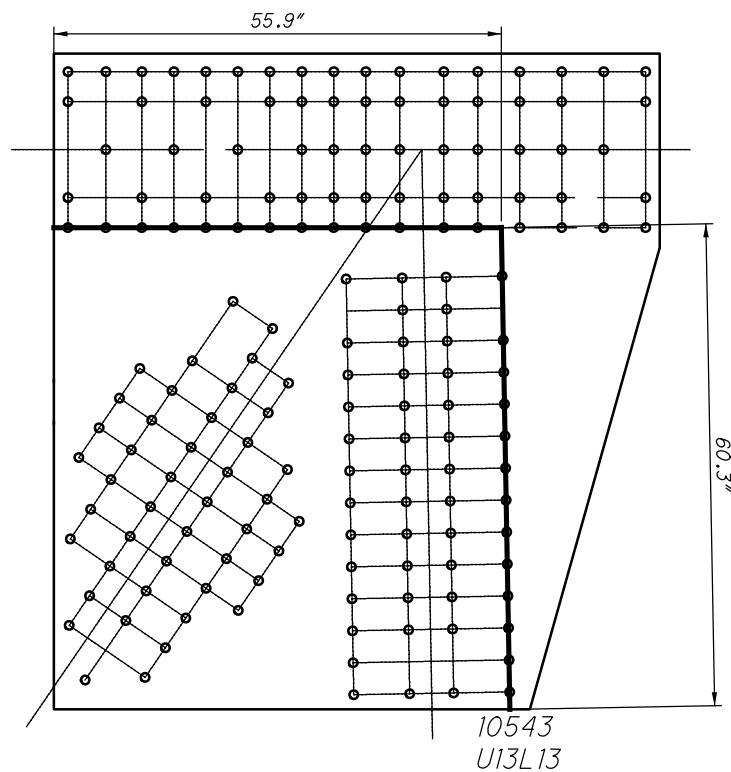
10541
U12U13

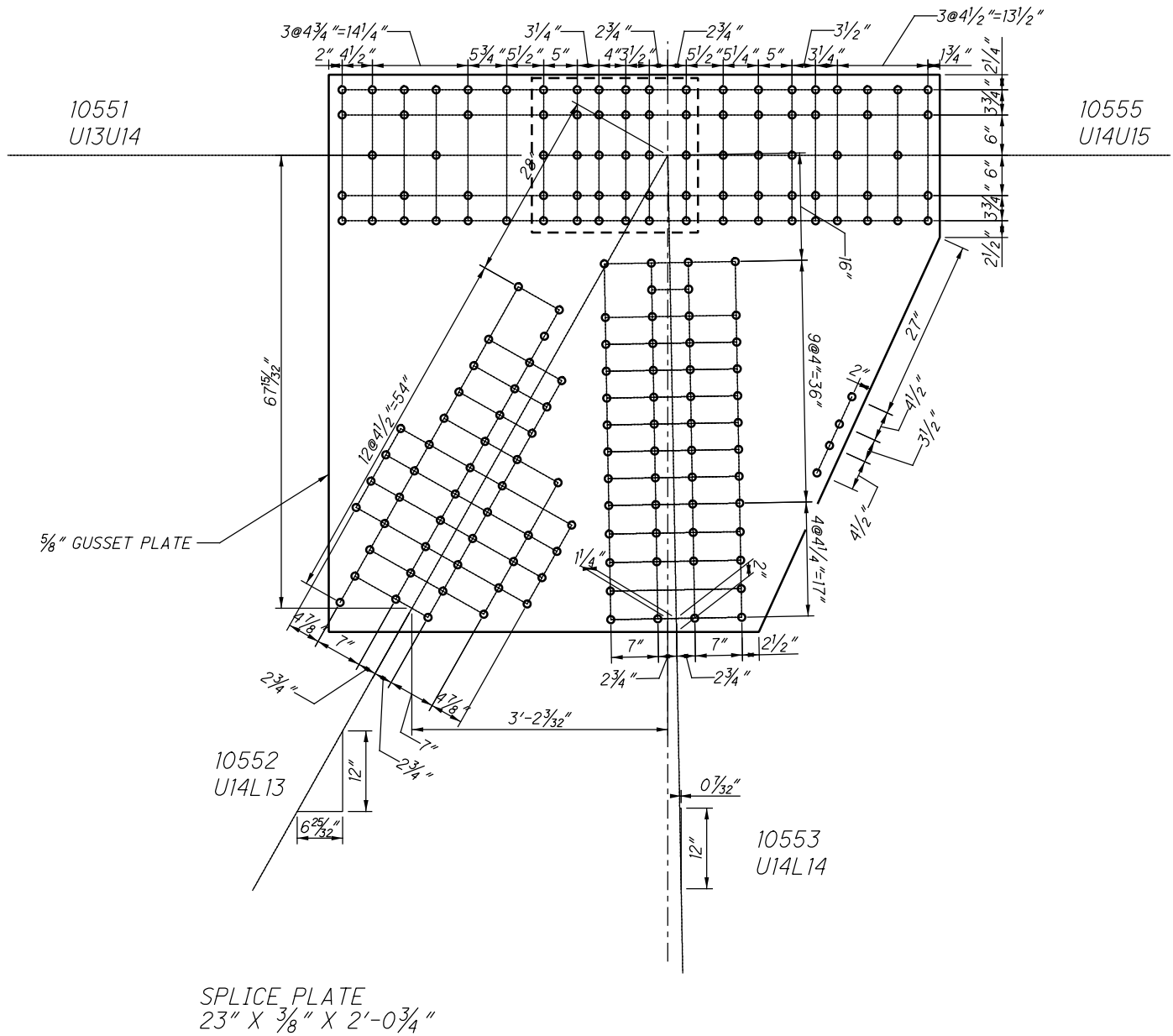
10545
U13U14

10542
U13L12

10543
U13L13

**U54 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**

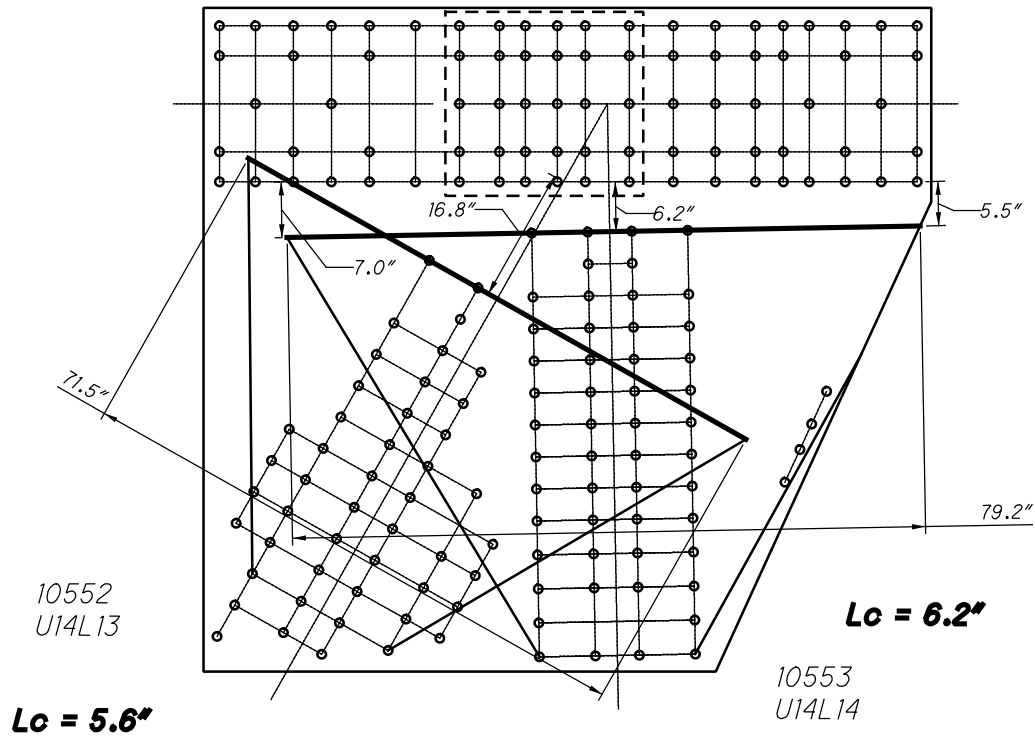




**U55 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10551
U13U14

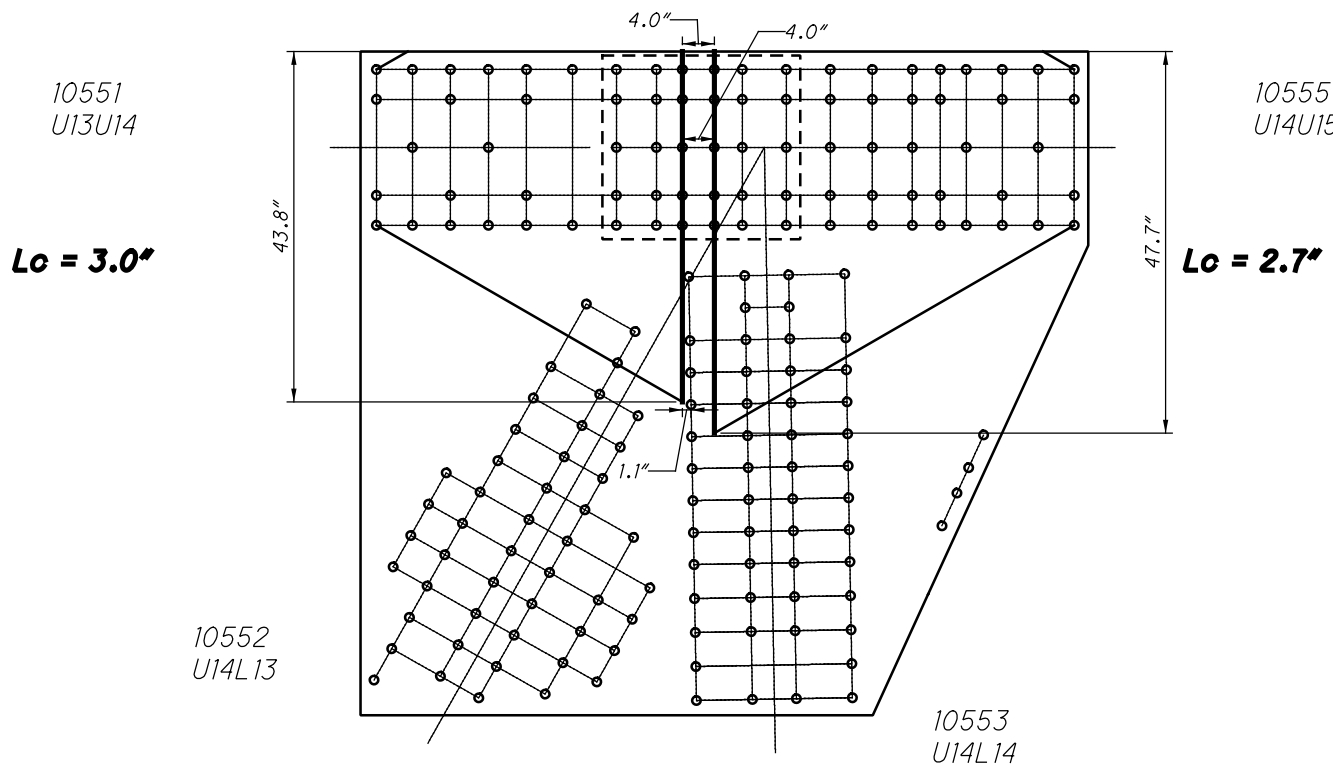
10555
U14U15



**U55 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10551
U13U14

10555
U14U15



**U55 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

35 RIVETS
x 2 PLATES
 =70 RIVETS

10551
 U13U14

15 SPLICE \bar{P}
x 2 PLATES
 =30 RIVETS

39 RIVETS
x 2 PLATES
 =78 RIVETS

10552
 U14L13

11055 AND 41055

10555
 U14U15

48 RIVETS
x 2 PLATES
 =96 RIVETS

15 SPLICE \bar{P}
x 2 PLATES
 =30 RIVETS

52 RIVETS
x 2 PLATES
 =104 RIVETS

10553
 U14L14

**U55 OUTSIDE (SPAN 10)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

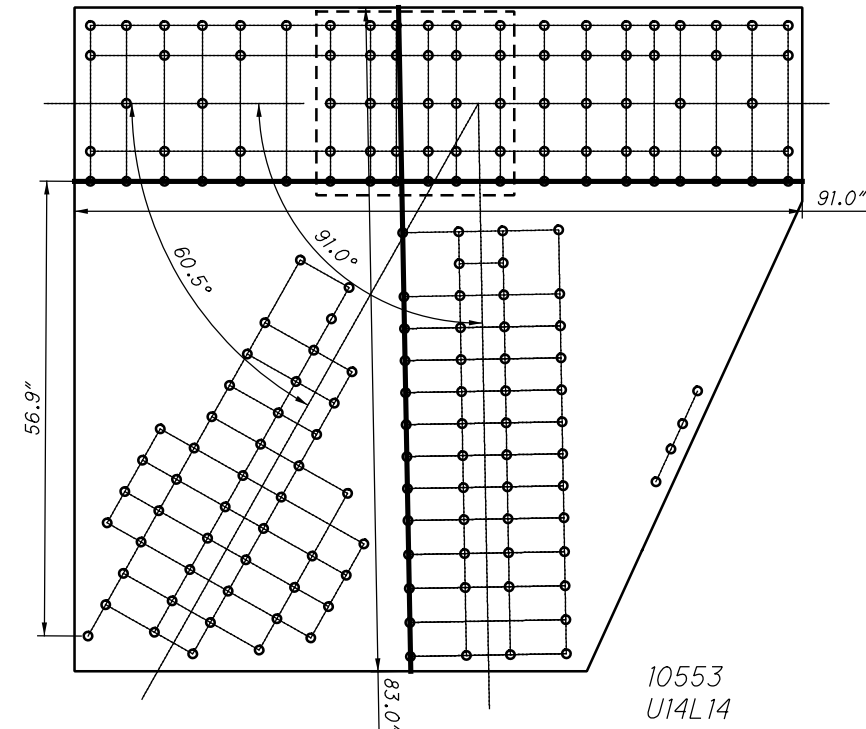
10551
 U13U14

10555
 U14U15

10552
 U14L13

10553
 U14L14

**U55 OUTSIDE (SPAN 10)
 SHEAR AND FREE EDGE CHECK**



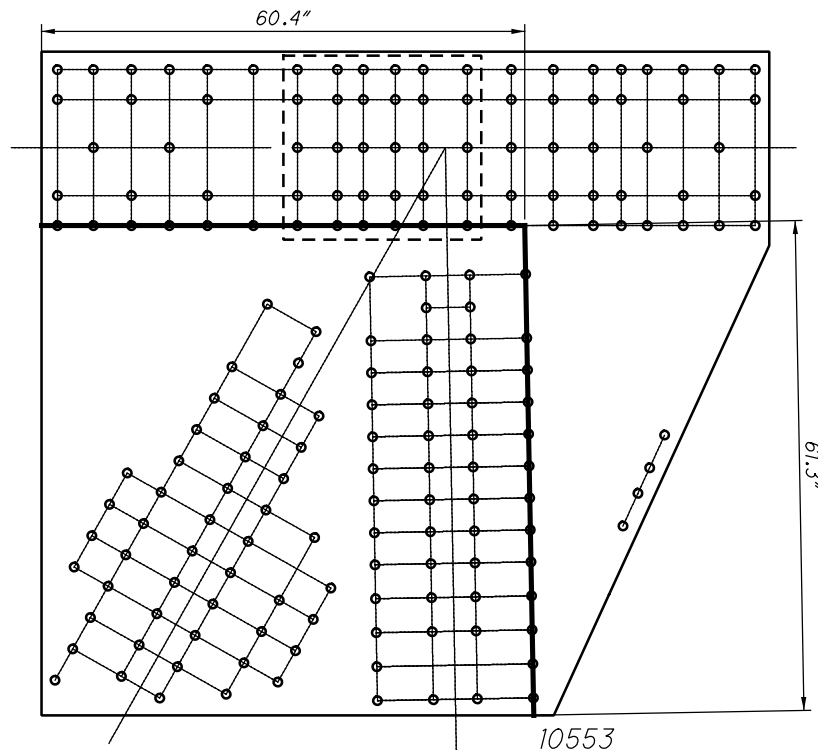
10551
U13U14

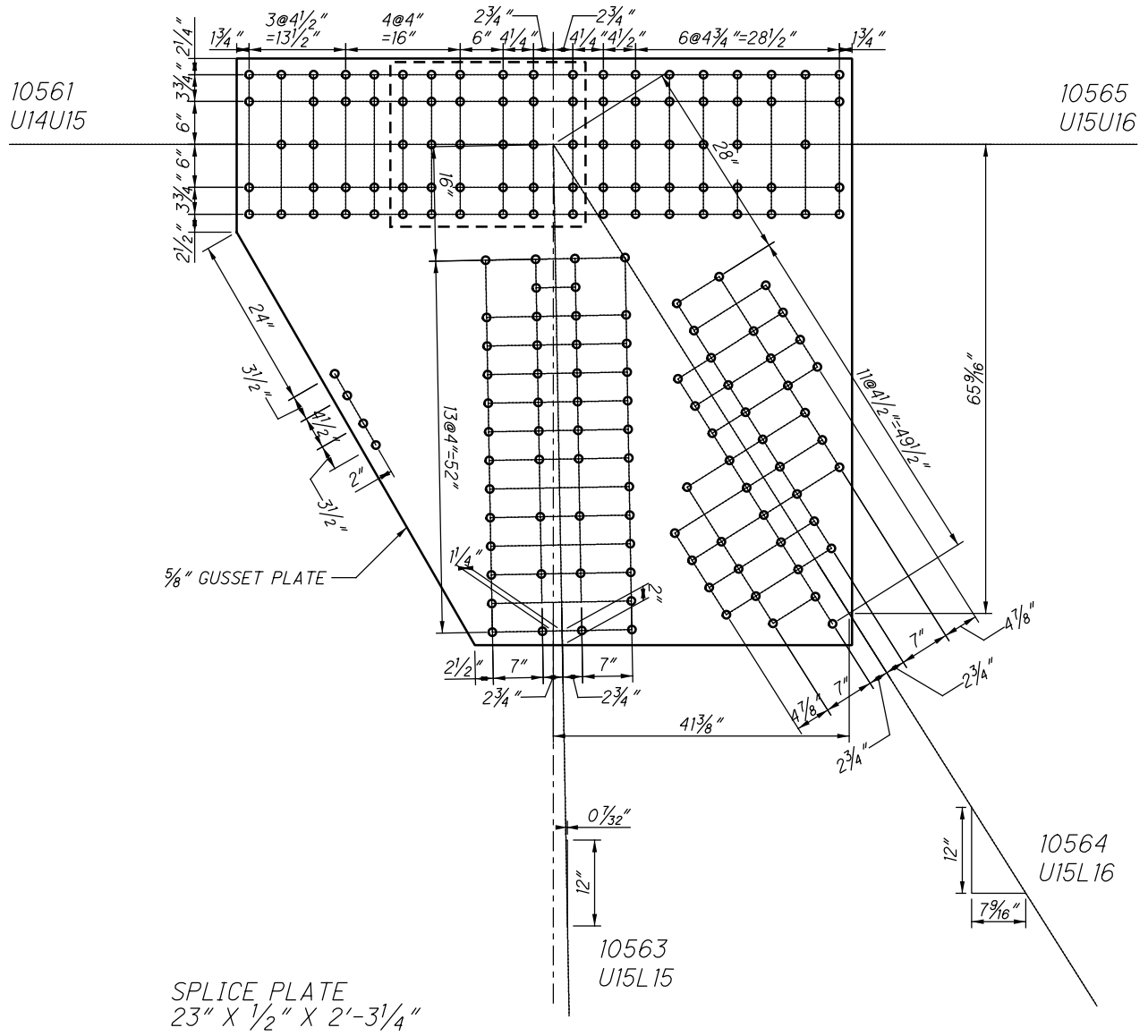
10555
U14U15

10552
U14L13

10553
U14L14

**U55 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**

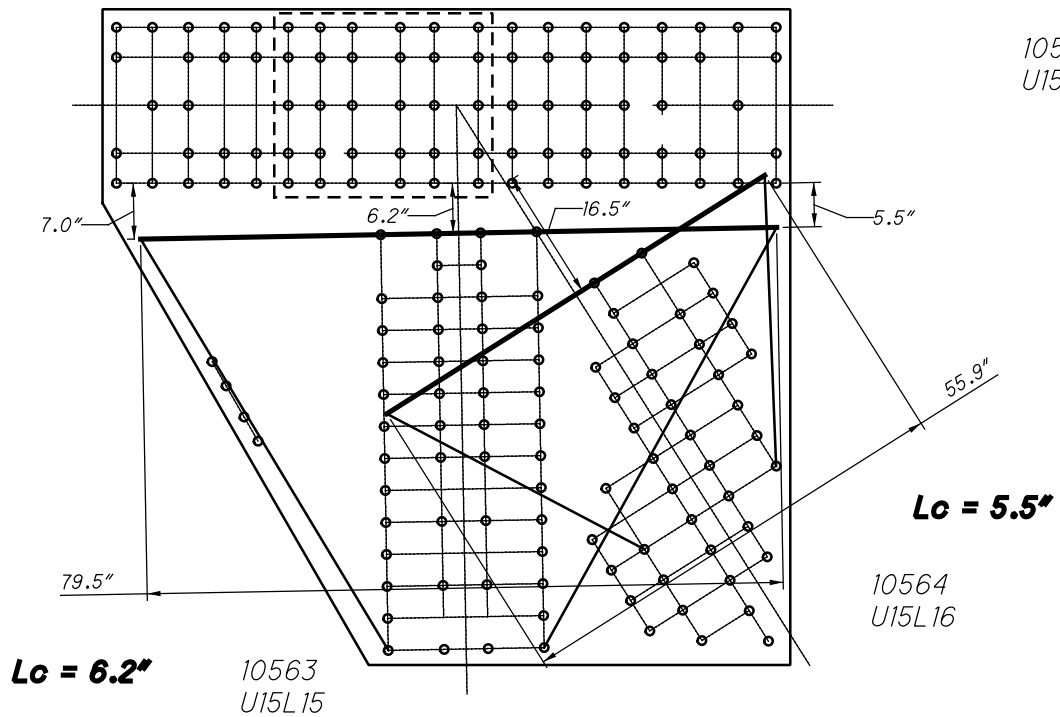




**U56 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**

10561
U14U15

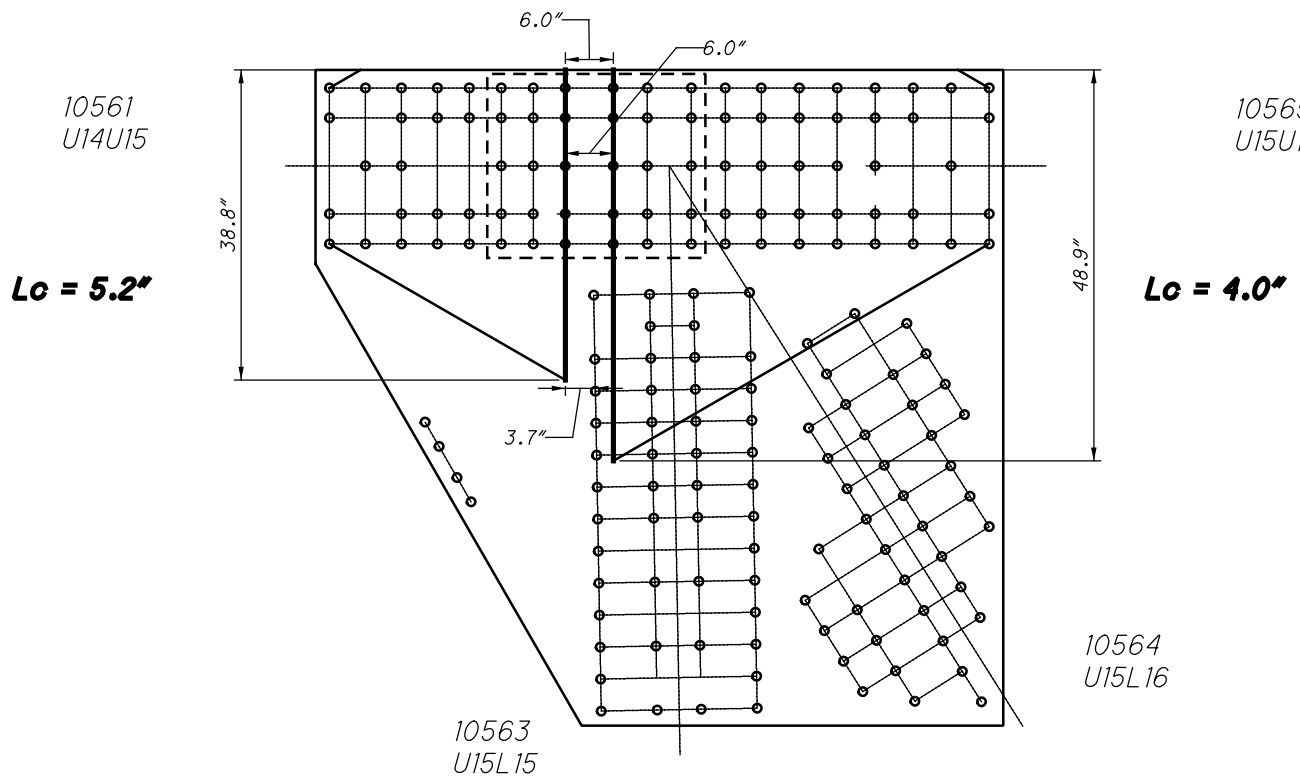
10565
U15U16



**U56 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10561
U14U15

10565
U15U16



**U56 OUTSIDE (SPAN 10)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

35 RIVETS
x 2 PLATES
=70 RIVETS

10561
U14U15

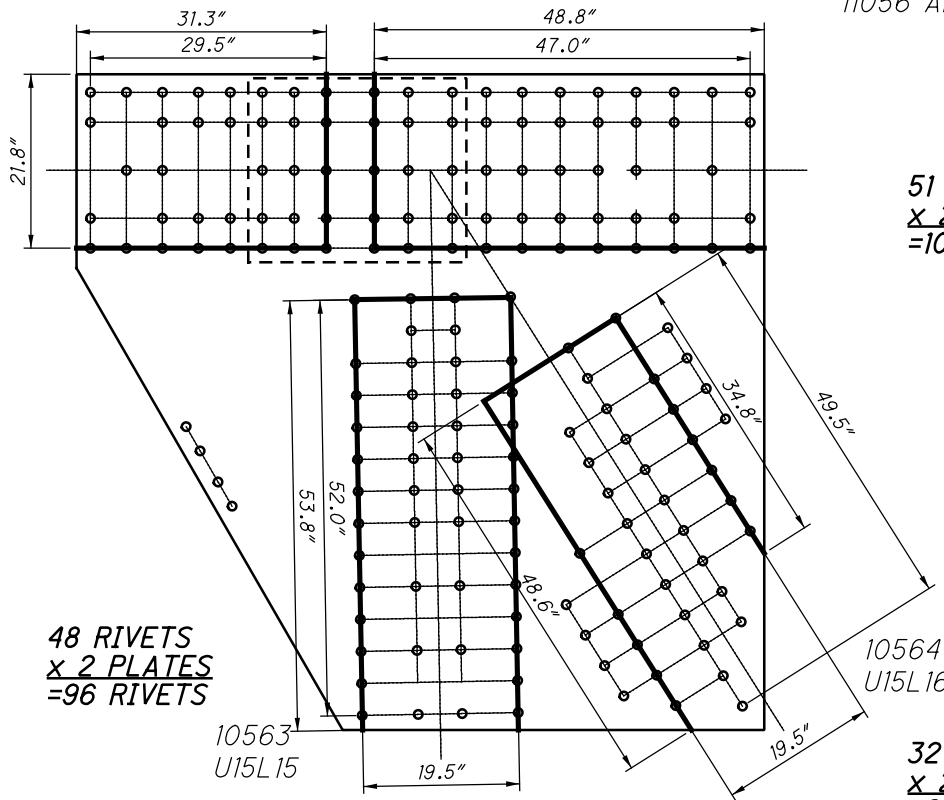
15 SPLICE P
x 2 PLATES
=30 RIVETS

11056 AND 41056

10565
U15U16

51 RIVETS
x 2 PLATES
=102 RIVETS

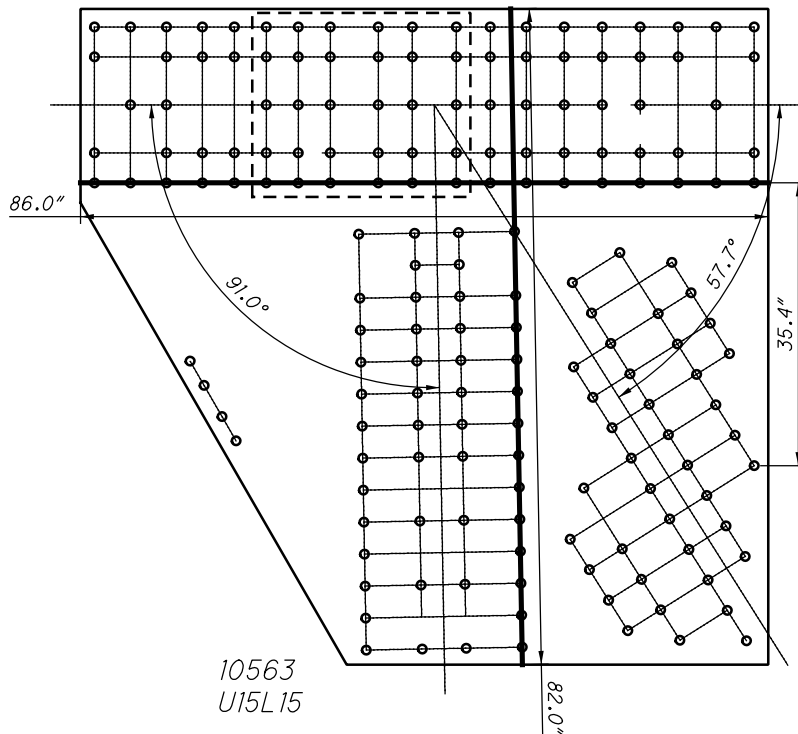
15 SPLICE P
x 2 PLATES
=30 RIVETS



**U56 OUTSIDE (SPAN 10)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10561
U14U15

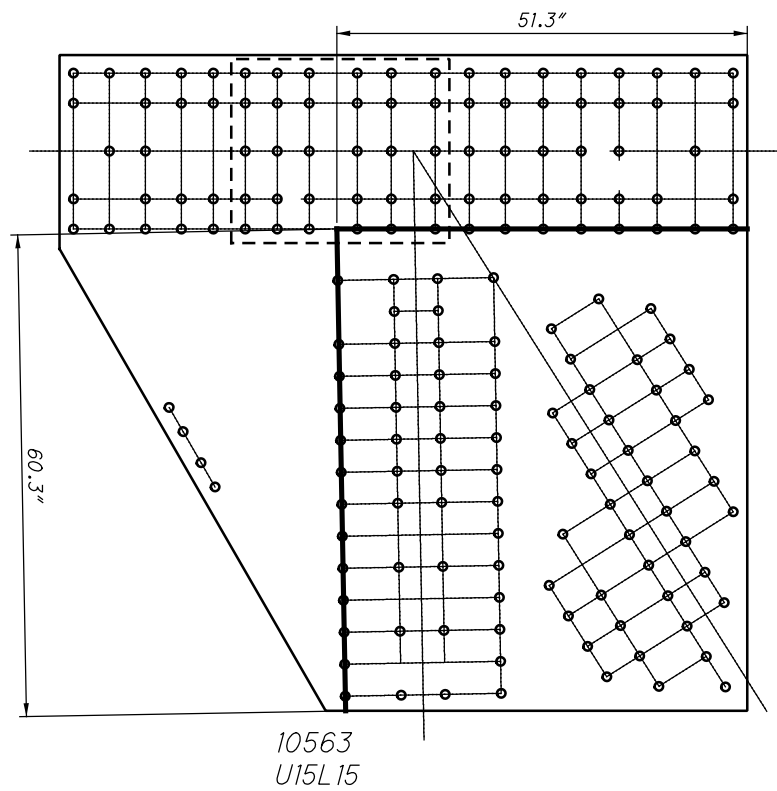
10565
U15U16



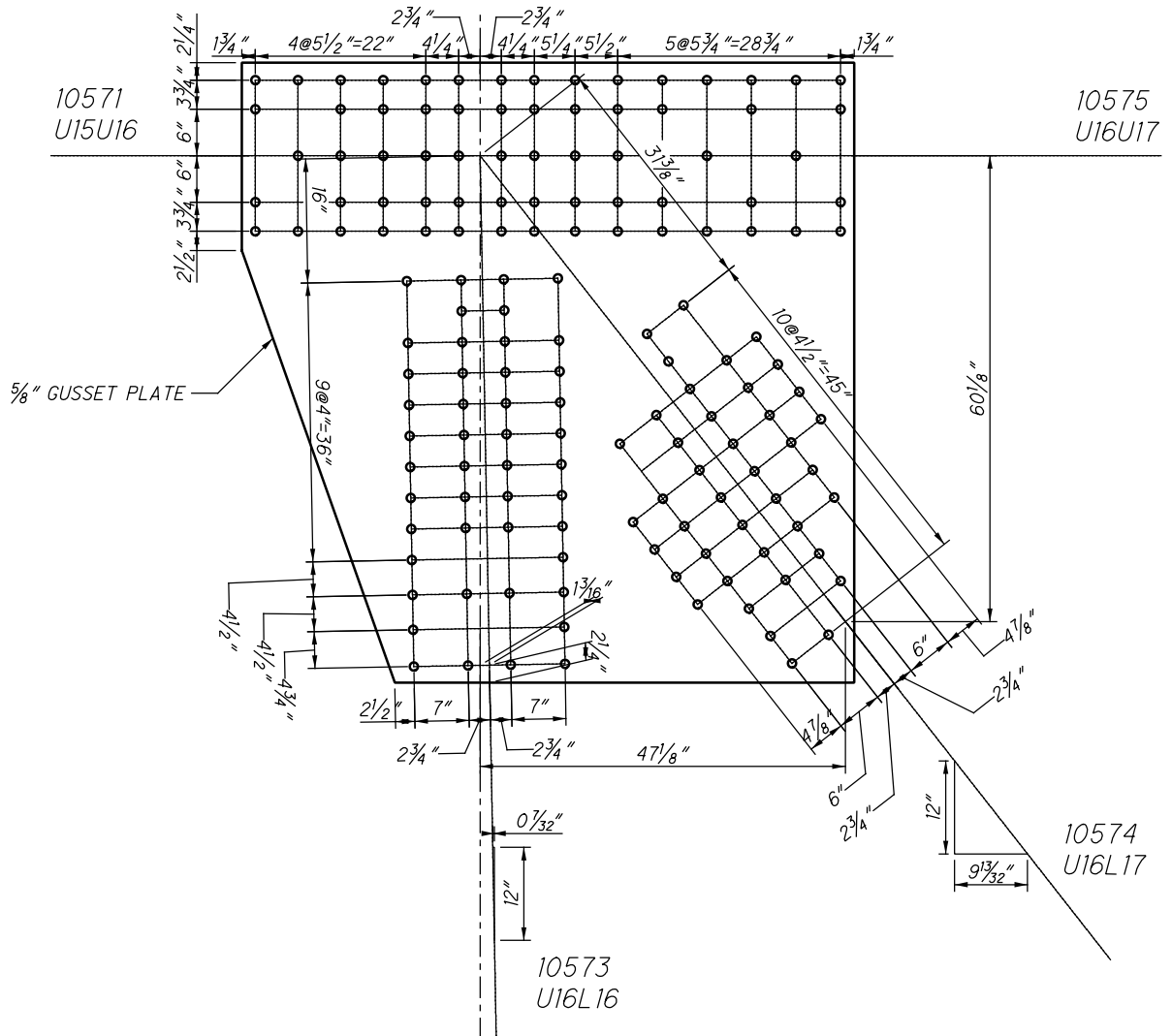
**U56 OUTSIDE (SPAN 10)
SHEAR AND FREE EDGE CHECK**

10561
U14U15

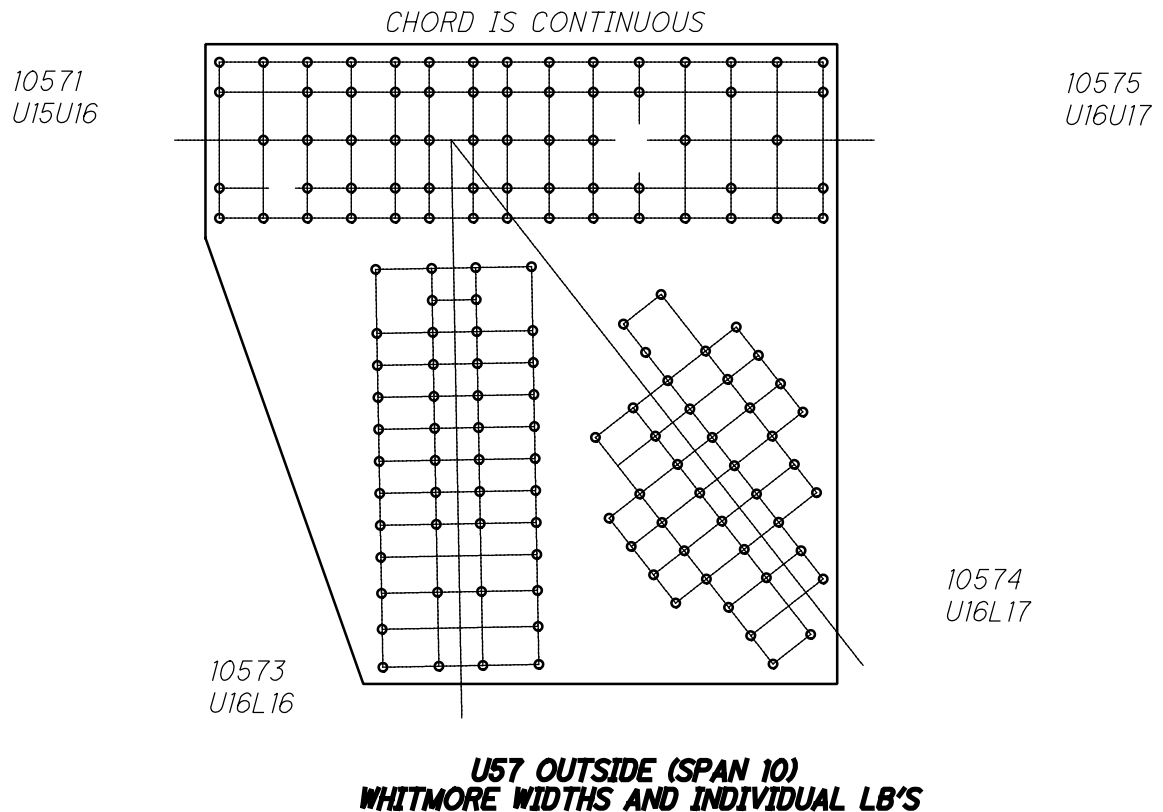
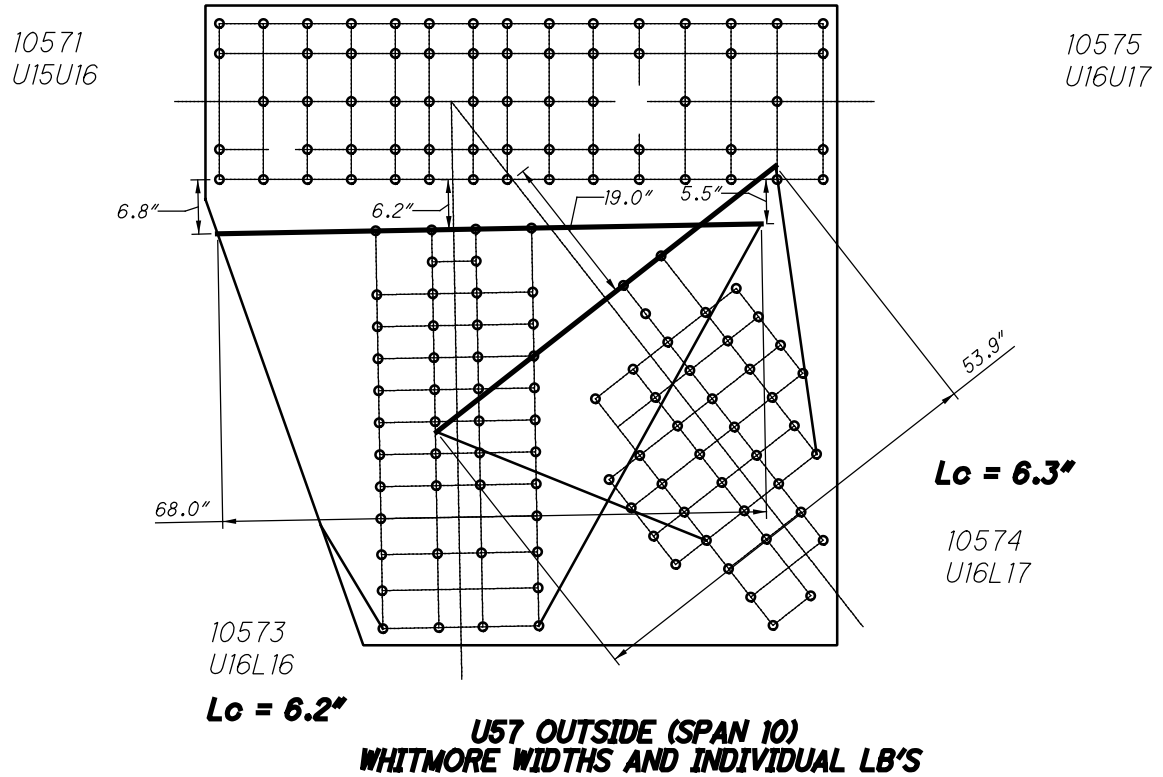
10565
U15U16

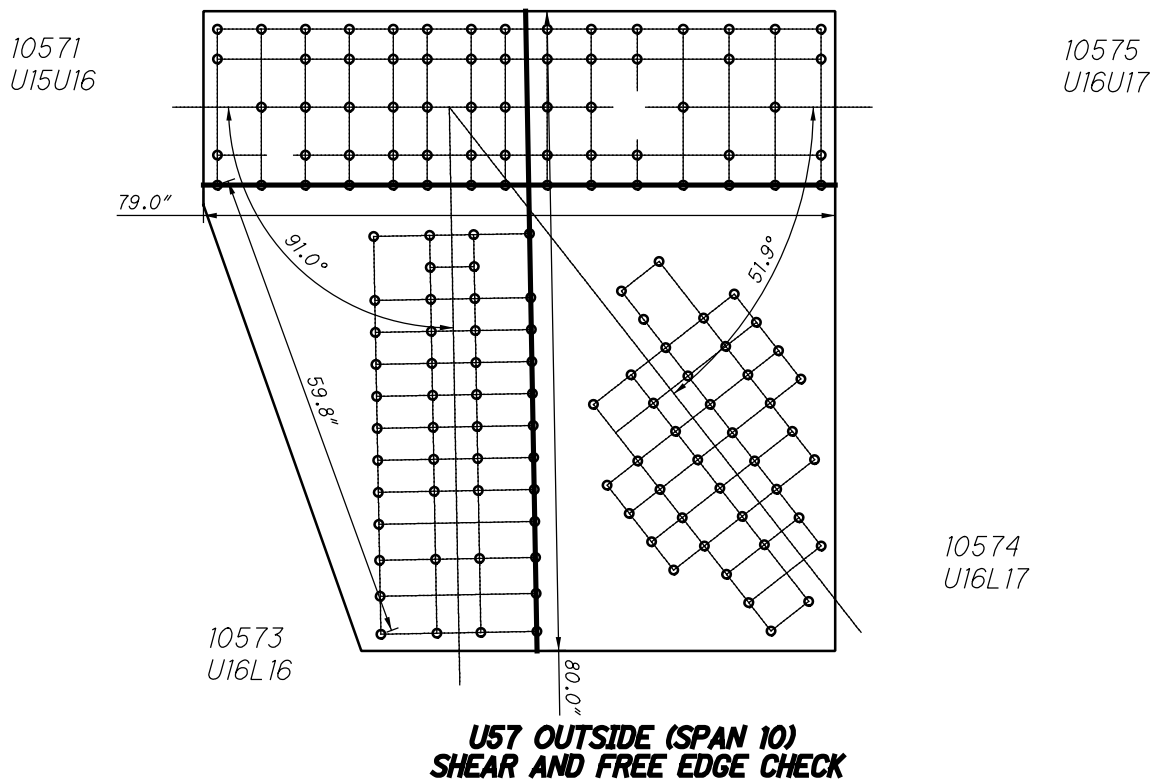
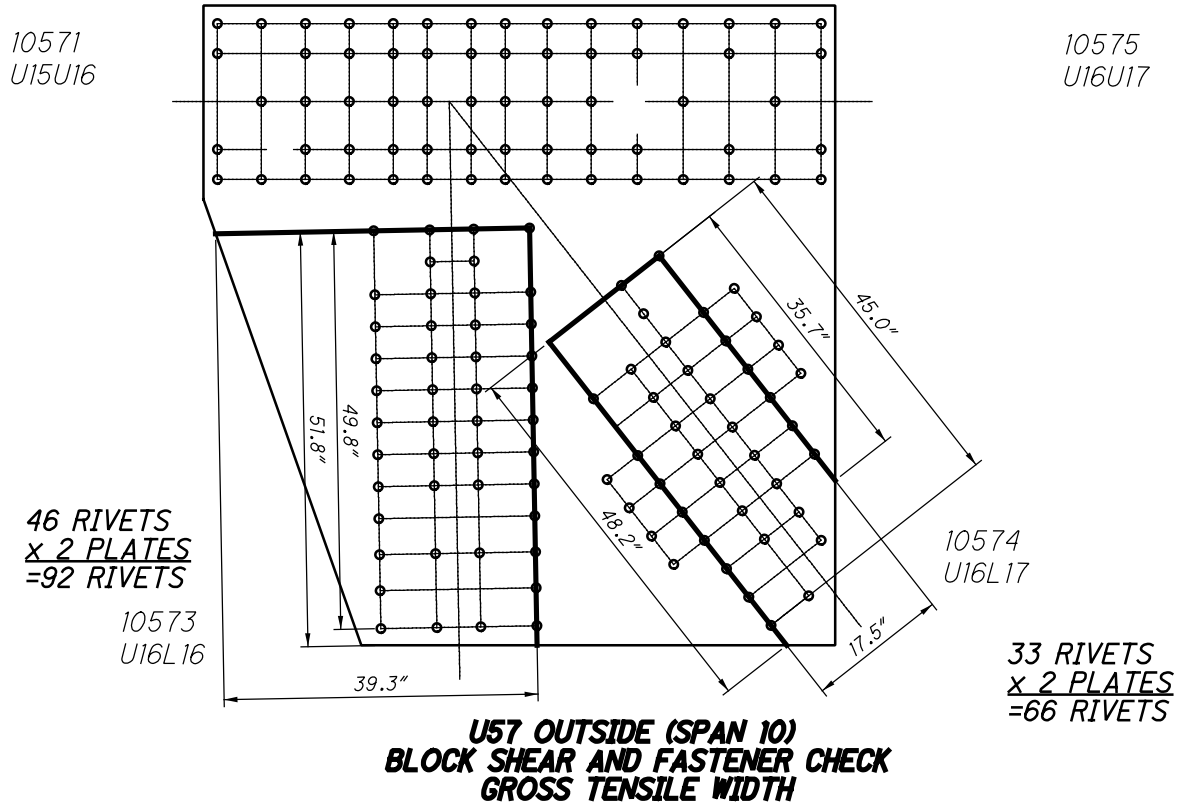


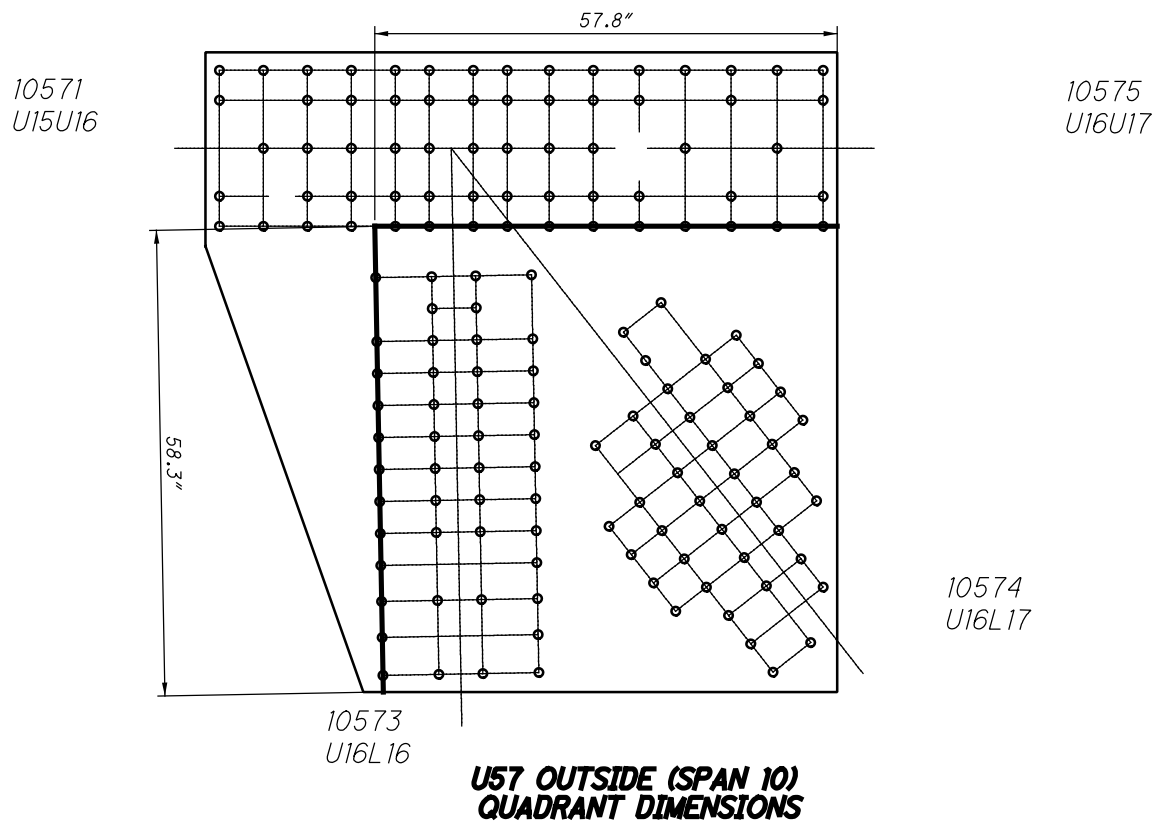
**U56 OUTSIDE (SPAN 10)
QUADRANT DIMENSIONS**



**U57 OUTSIDE (SPAN 10)
(NEAR SIDE AND FAR SIDE)**







**SPAN 11 GUSSET PLATES
LORAIN CARNEGIE**

CHECKED: JLV

DATE: 5/19/11

LEGEND

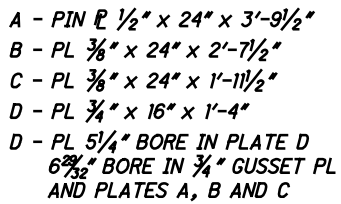
- $1 \frac{1}{16}$ " HOLES TYPICAL
- $1 \frac{3}{16}$ " HOLES TYPICAL

NOTES:

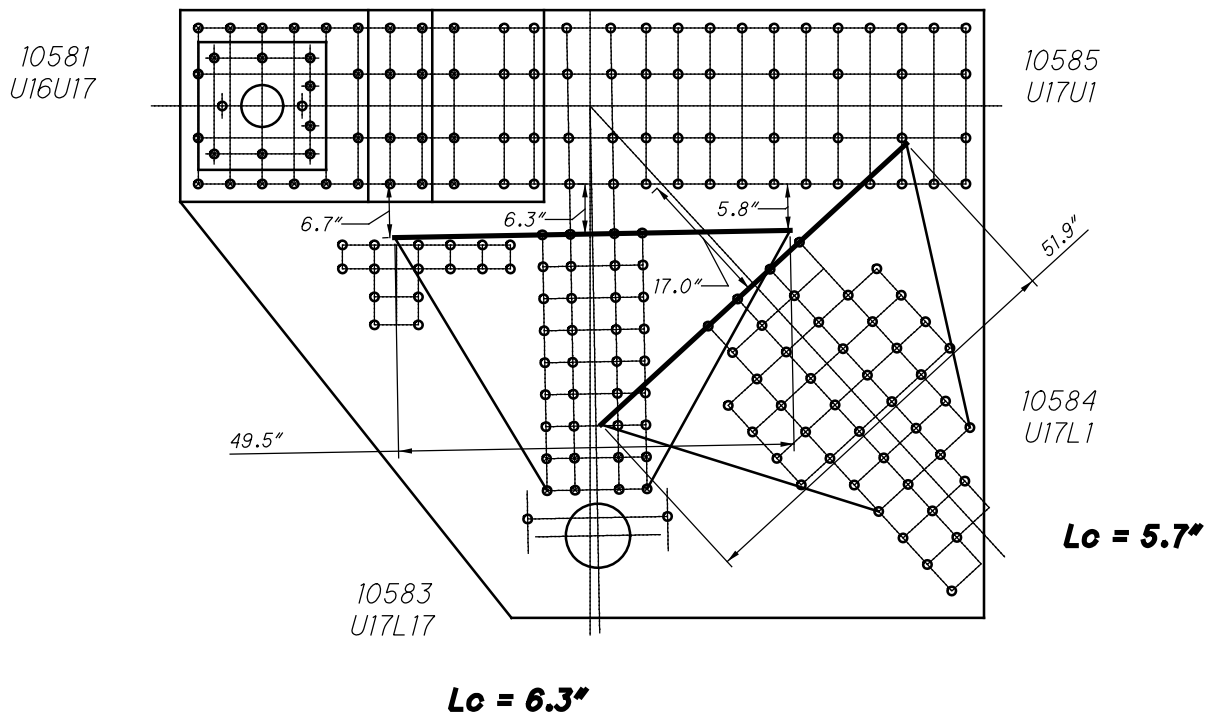
ALL EDGE DISTANCES ARE $1 \frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

SPLICE PLATES ARE NOT SHOWN.

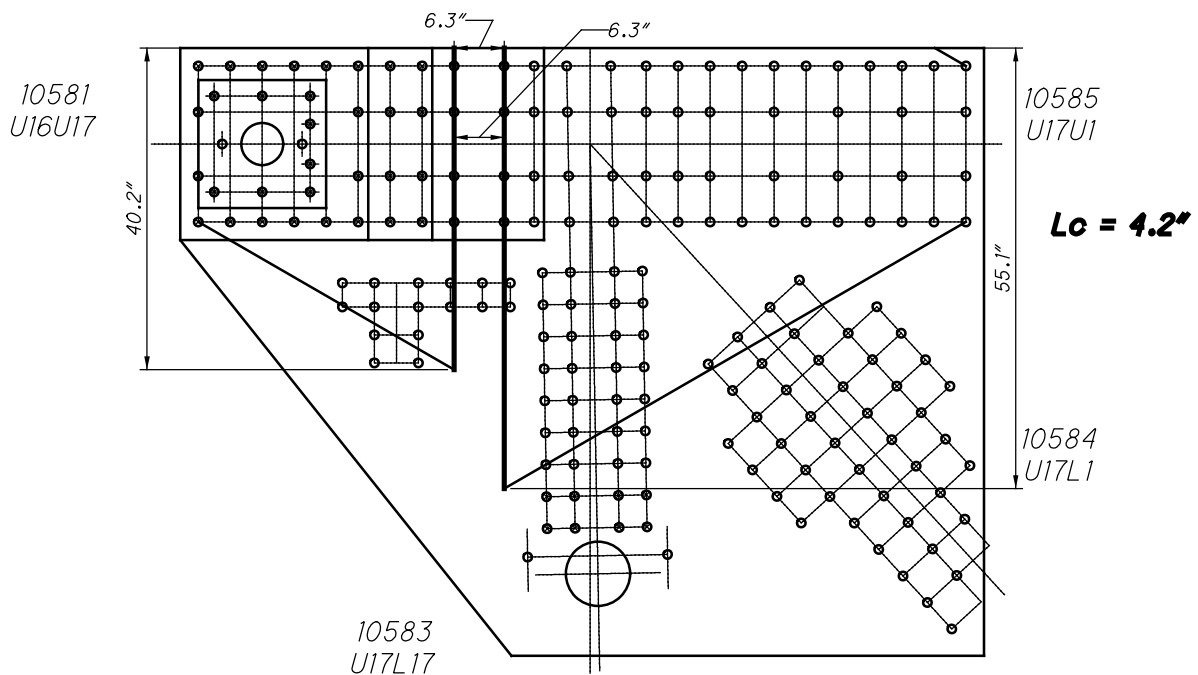
ALL GUSSET PLATES ARE COPPER
BEARING SILICON STEEL.



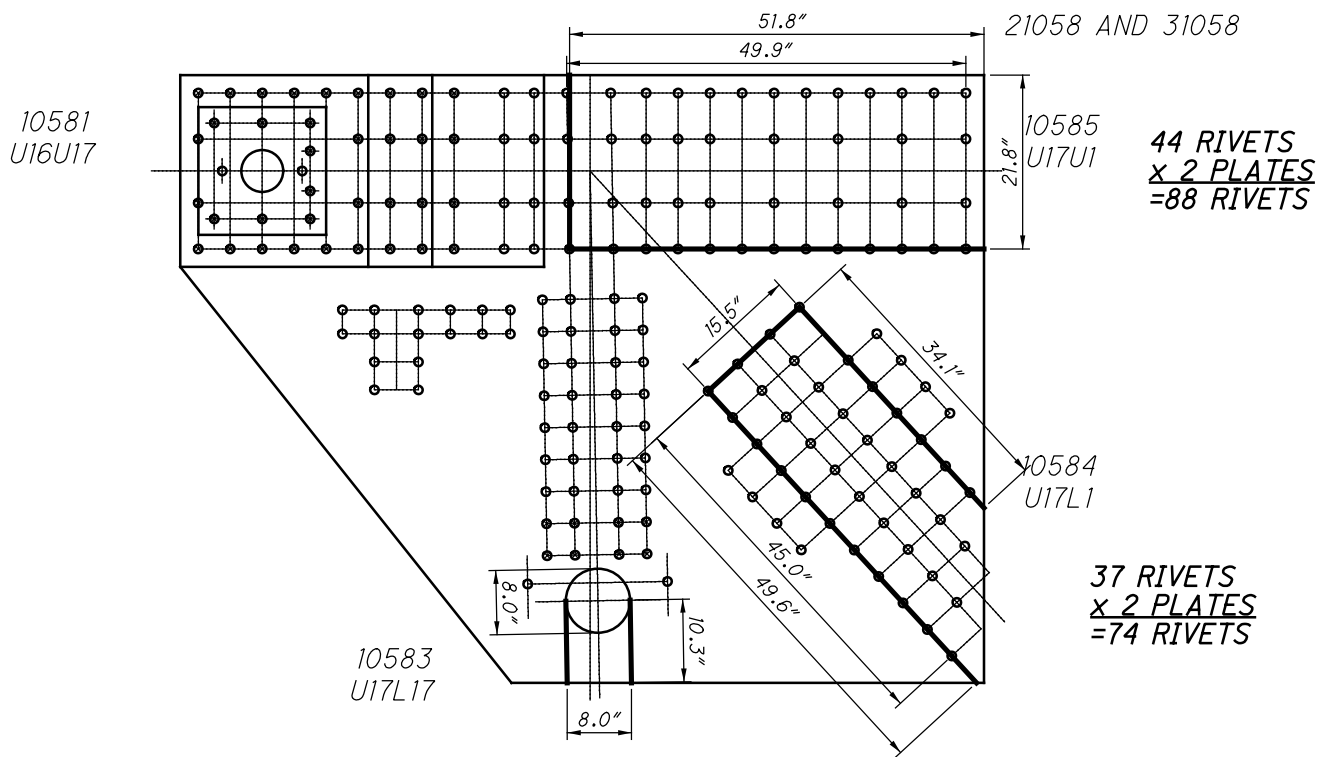
**U58 INSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**



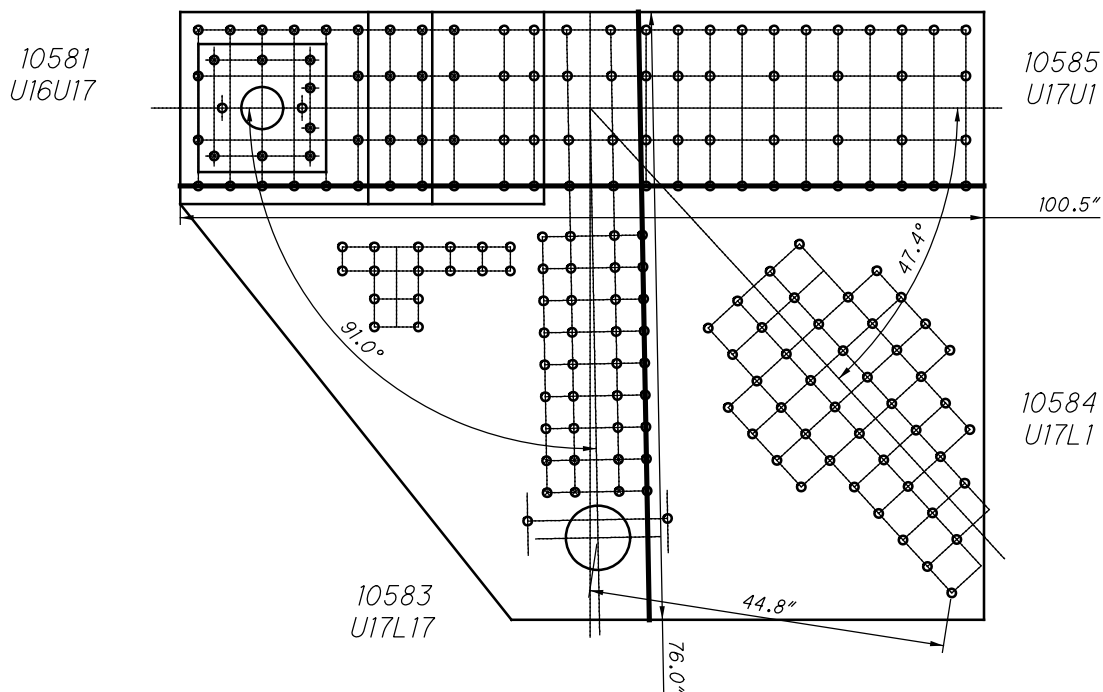
**U58 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



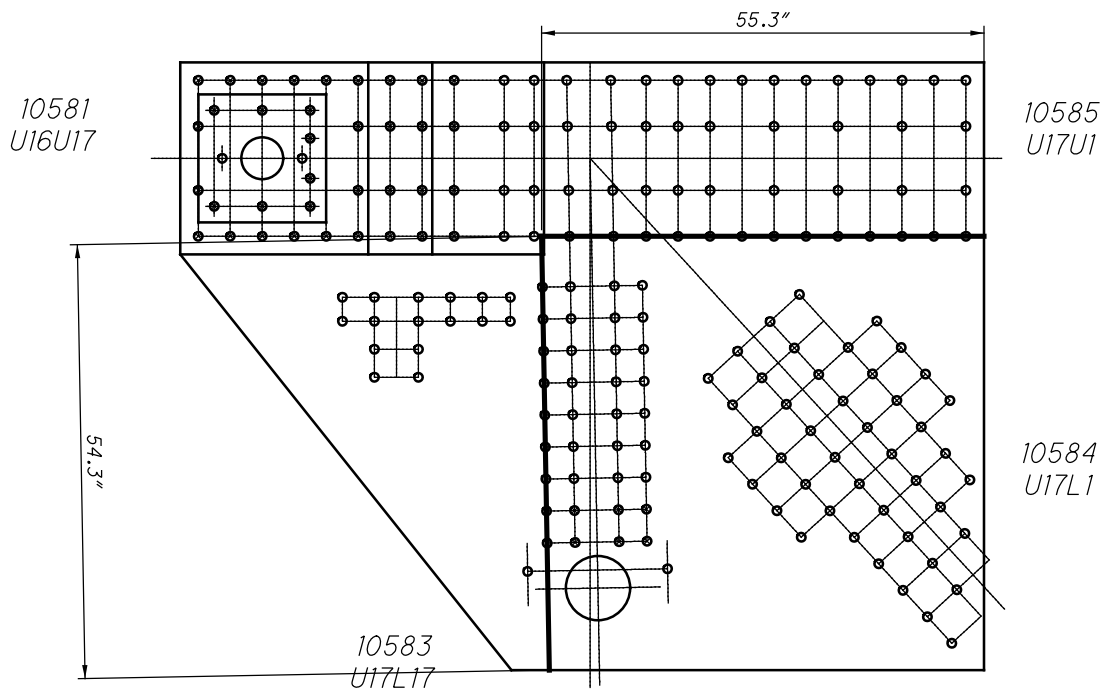
**U58 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



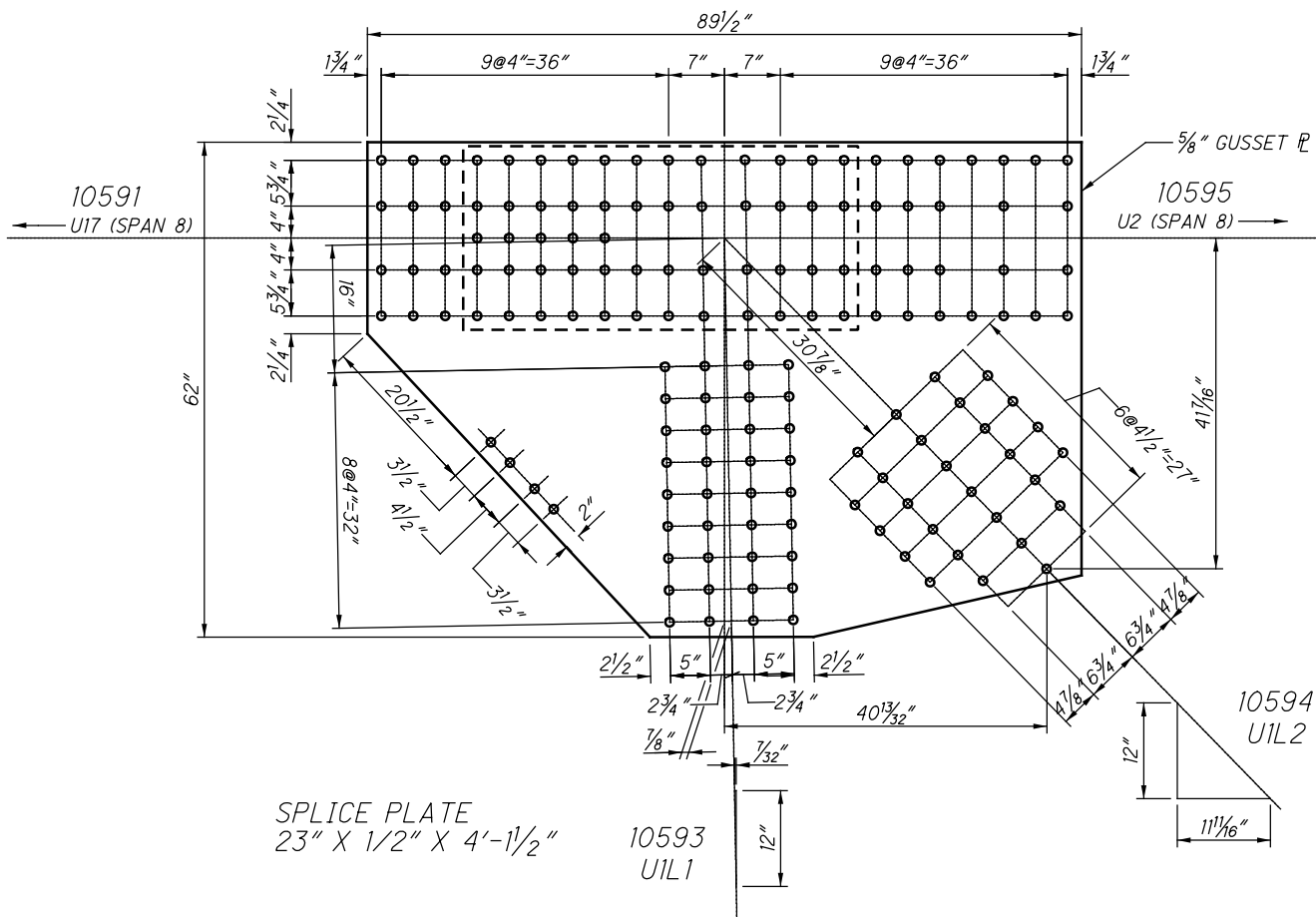
**U58 INSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U58 INSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**



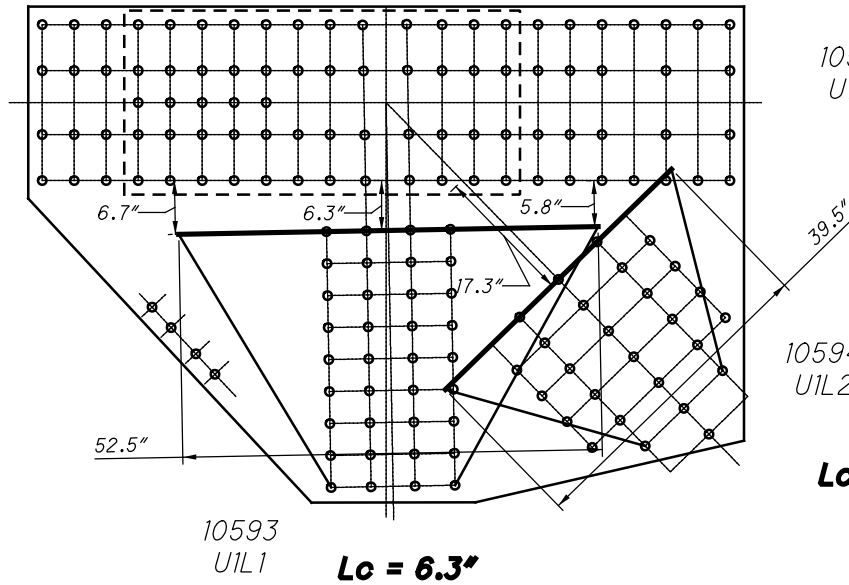
**U58 INSIDE (SPAN 11)
QUADRANT DIMENSIONS**



**U59 INSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

10591
U17U1

10595
U1U2

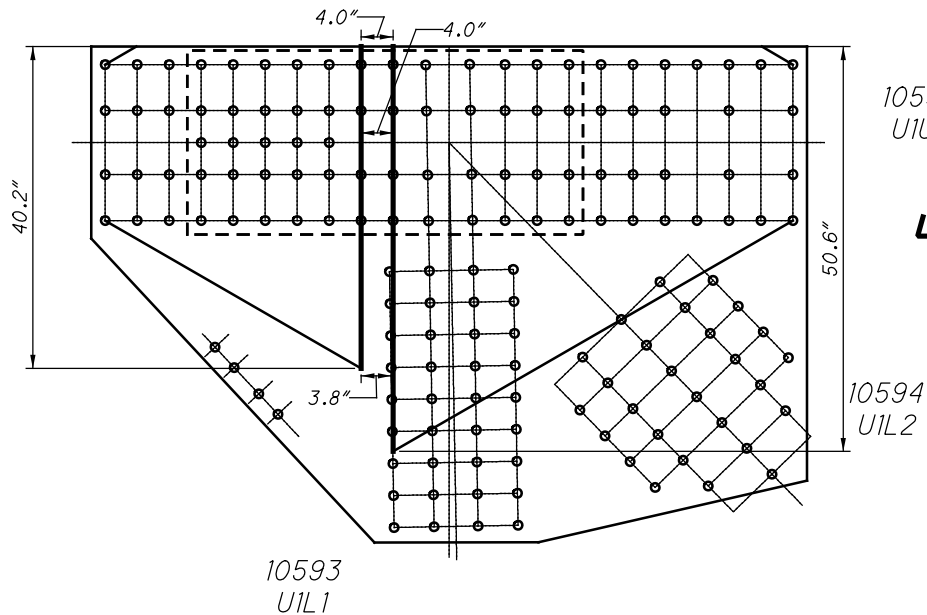


**U59 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10591
U17U1

10595
U1U2

$L_c = 3.9"$

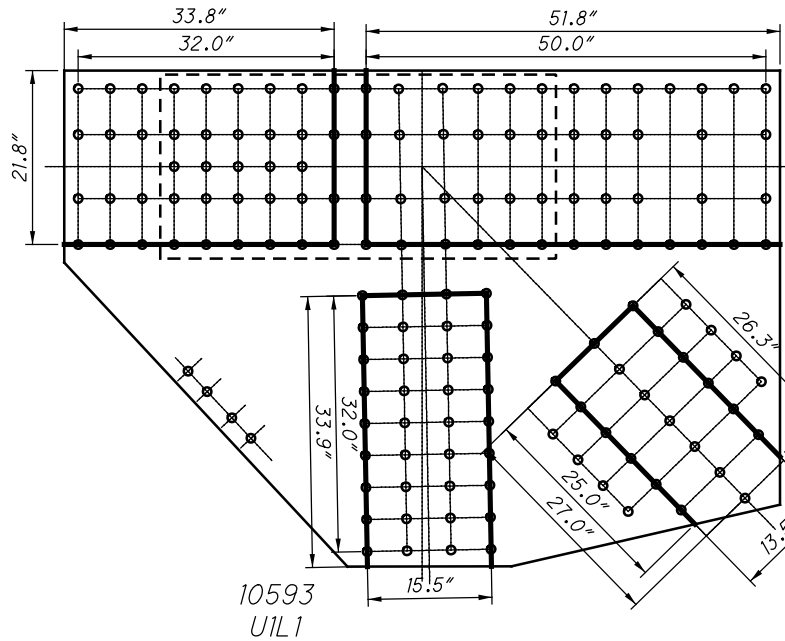


**U59 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

41 RIVETS
x 2 PLATES
=82 RIVETS

10591
U17U1

29 SPLICE P
x 2 PLATES
=58 RIVETS



48 RIVETS
x 2 PLATES
=96 RIVETS

10595
UIU2

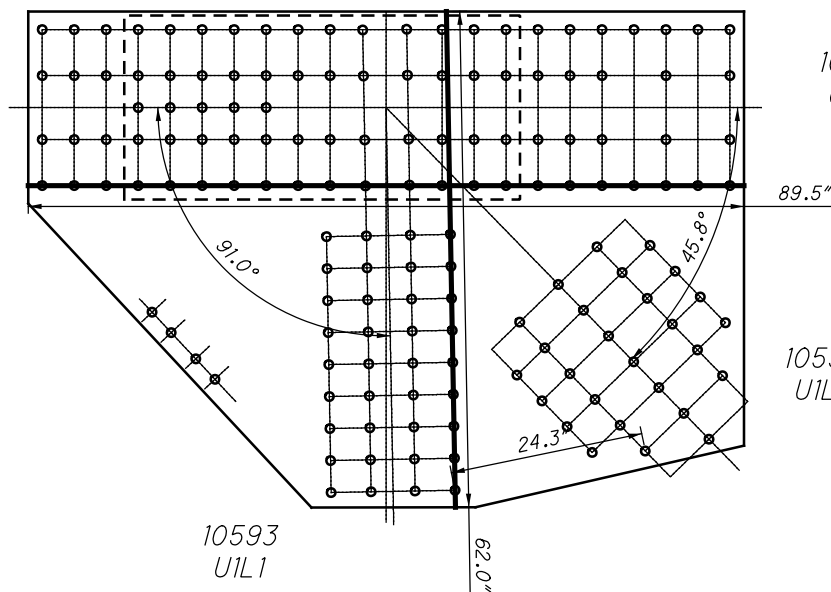
24 SPLICE P
x 2 PLATES
=48 RIVETS

19 RIVETS
x 2 PLATES
=38 RIVETS

36 RIVETS
x 2 PLATES
=72 RIVETS

**U59 INSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

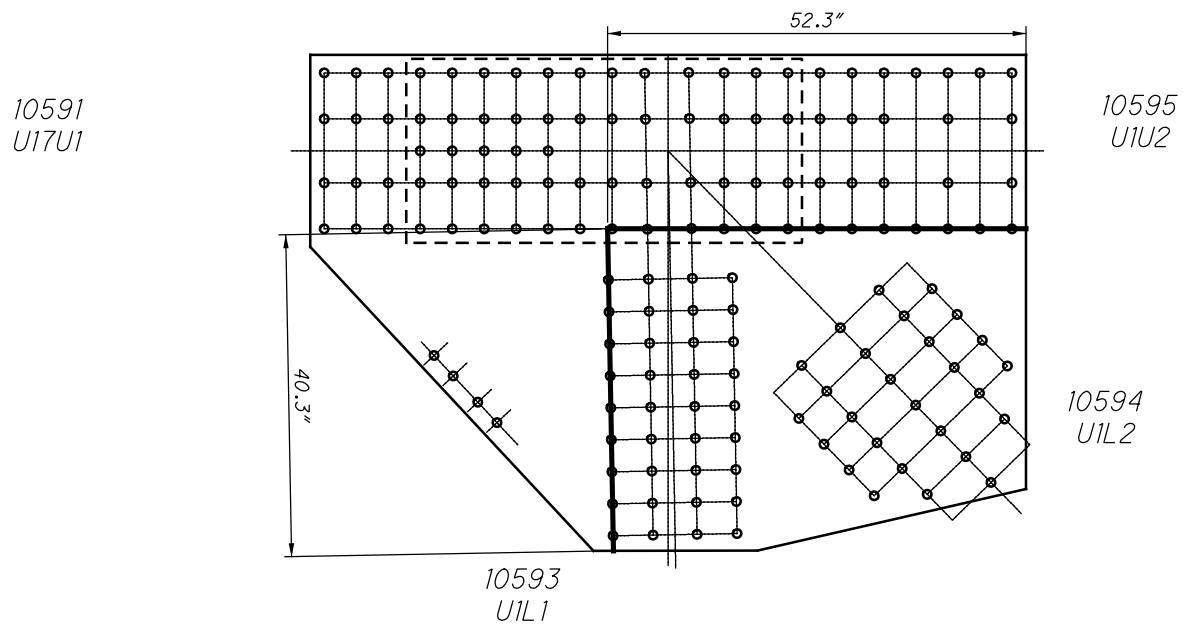
10591
U17U1



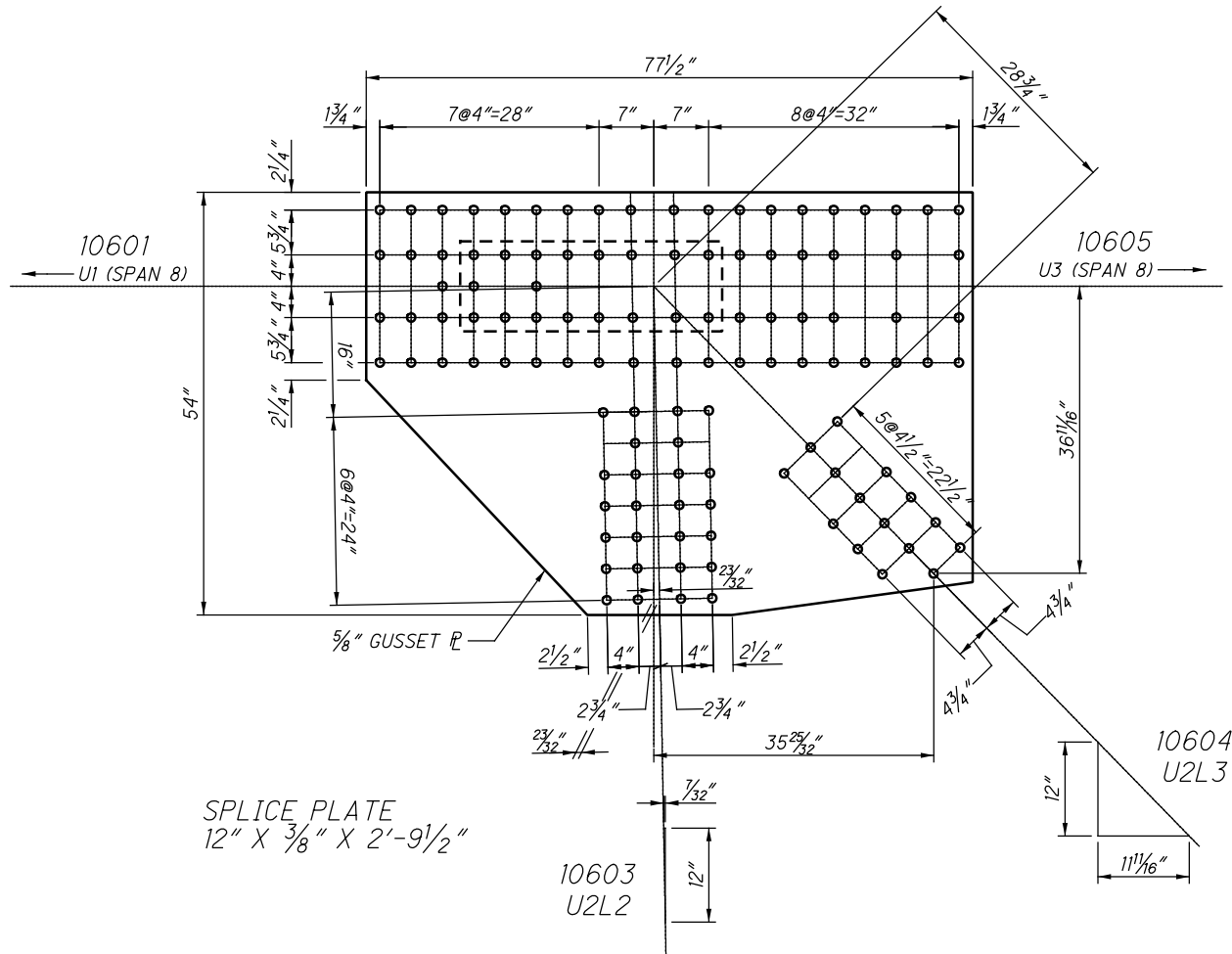
10595
UIU2

10594
UIL2

**U59 INSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**



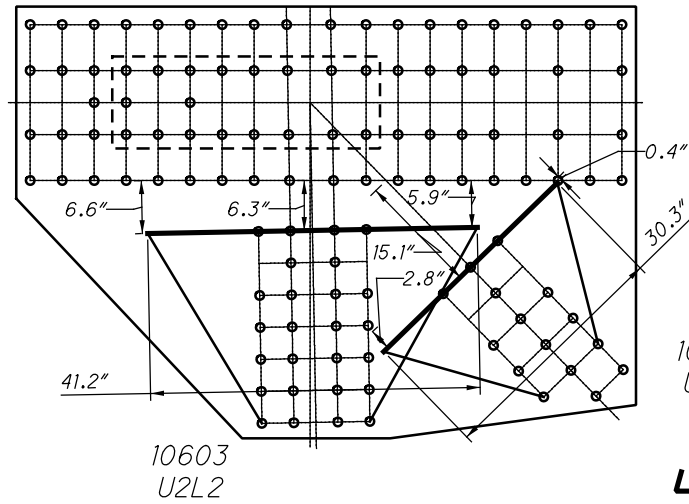
**U59 INSIDE (SPAN 11)
QUADRANT DIMENSIONS**



**U60 INSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

10601
U1U2

10605
U2U3



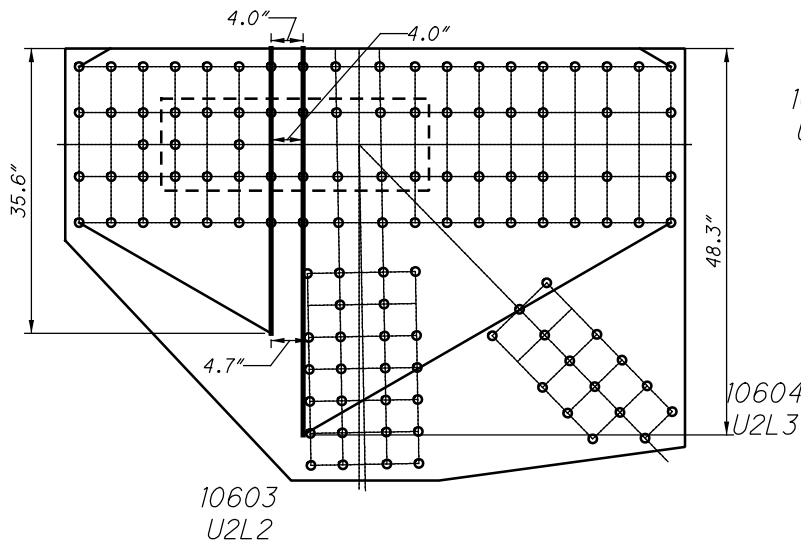
$L_c = 6.3"$

$L_c = 6.1"$

**U60 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10601
U1U2

10605
U2U3



$L_c = 4.2"$

$L_c = 2.7"$

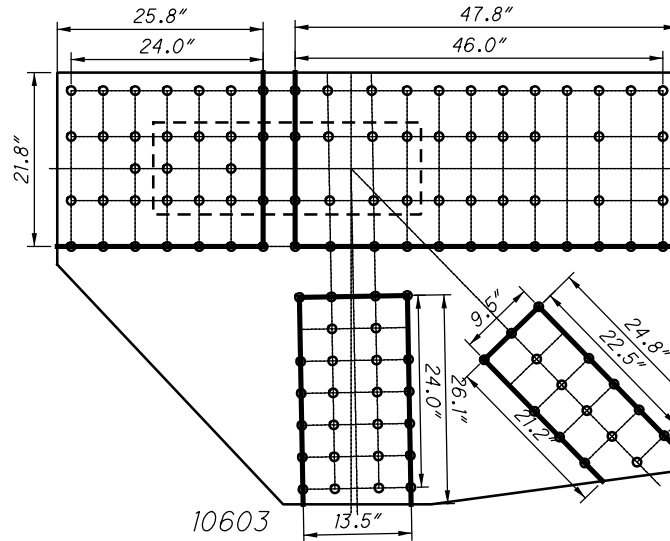
**U60 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21060 AND 31060

31 RIVETS
x 2 PLATES
=62 RIVETS

10601
U1U2

10 SPLICE P
x 2 PLATES
=20 RIVETS



44 RIVETS
x 2 PLATES
=88 RIVETS

10605
U2U3

8 SPLICE P
x 2 PLATES
=16 RIVETS

10603
U2L2

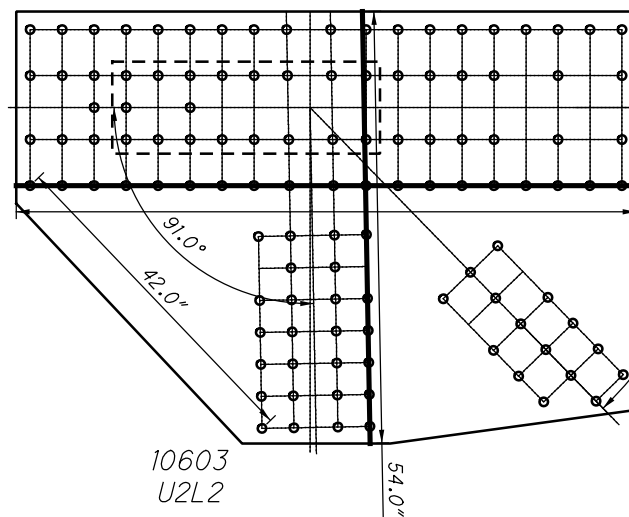
26 RIVETS
x 2 PLATES
=52 RIVETS

15 RIVETS
x 2 PLATES
=30 RIVETS

10604
U2L3

**U60 INSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10601
U1U2

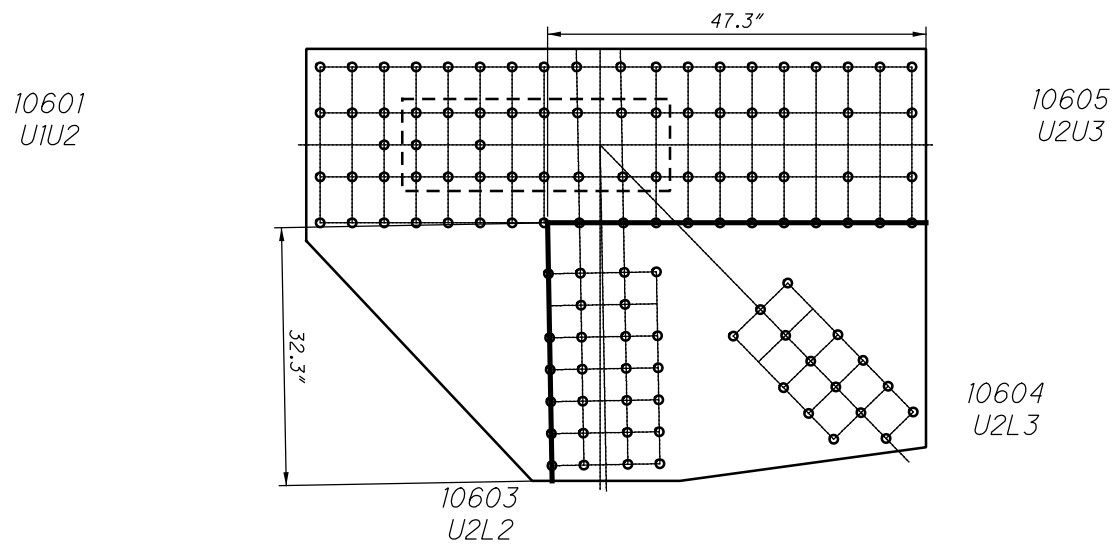


10605
U2U3

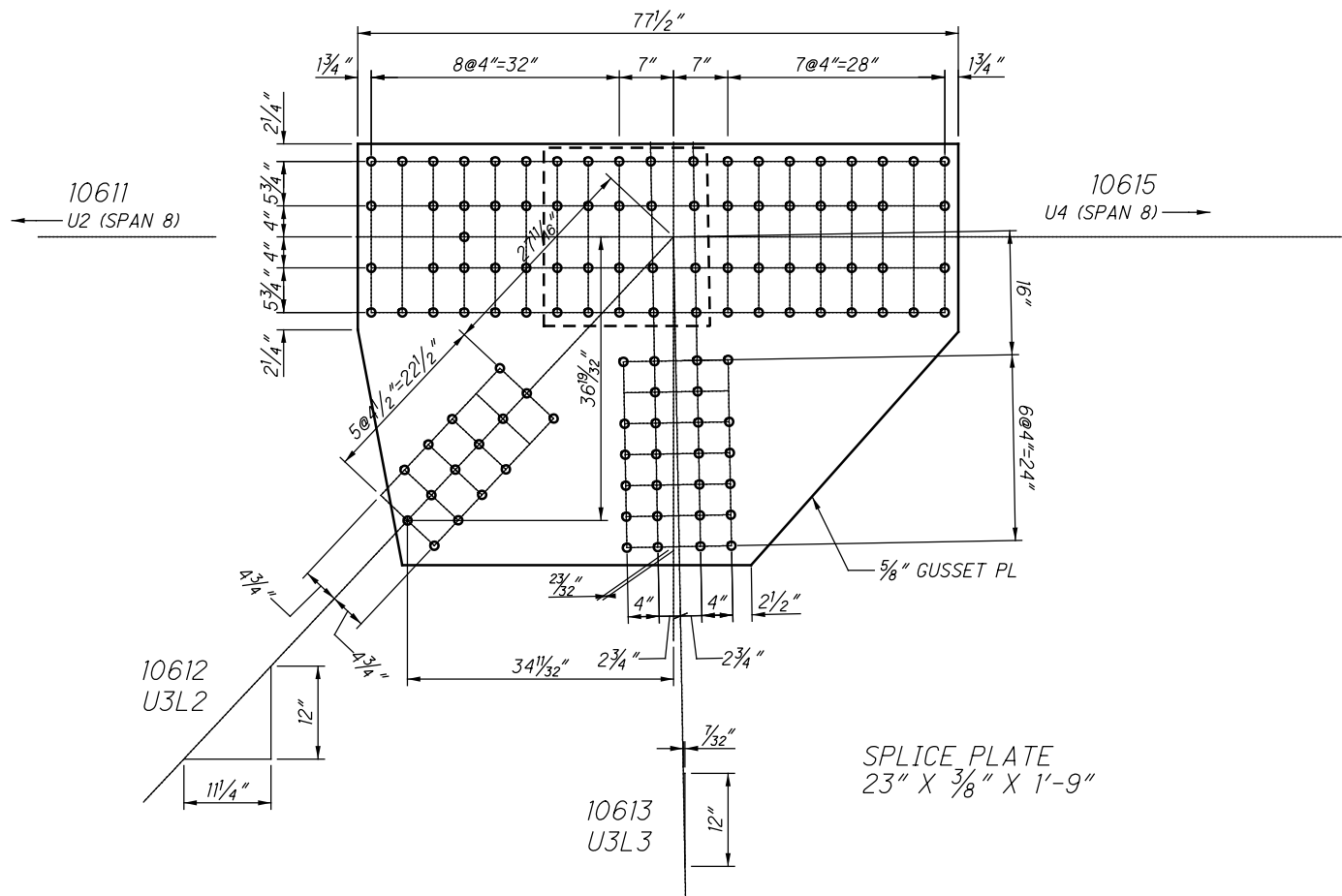
10603
U2L2

10604
U2L3

**U60 INSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**

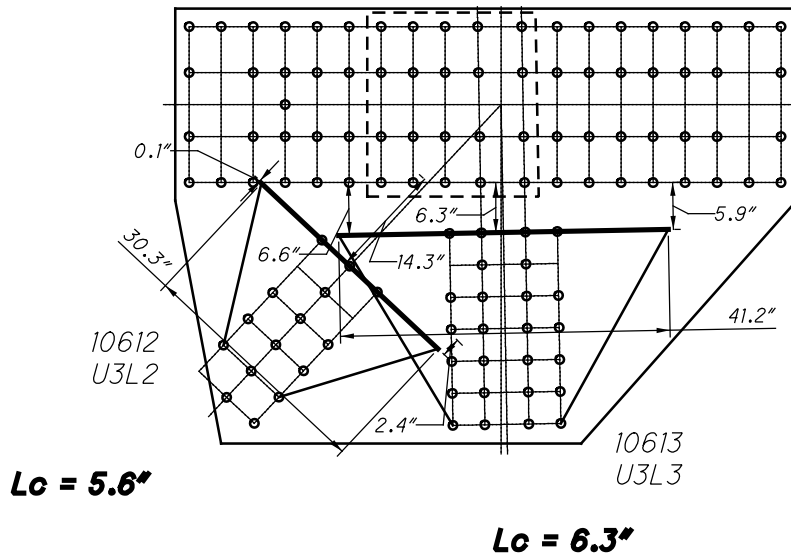


**U60 INSIDE (SPAN 11)
QUADRANT DIMENSIONS**



10611
U2U3

10615
U3U4

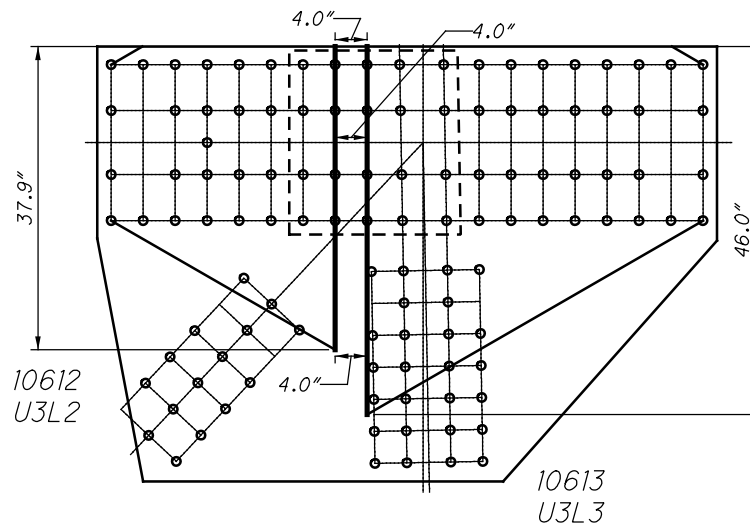


**U61 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10611
U2U3

10615
U3U4

$L_c = 4.0''$



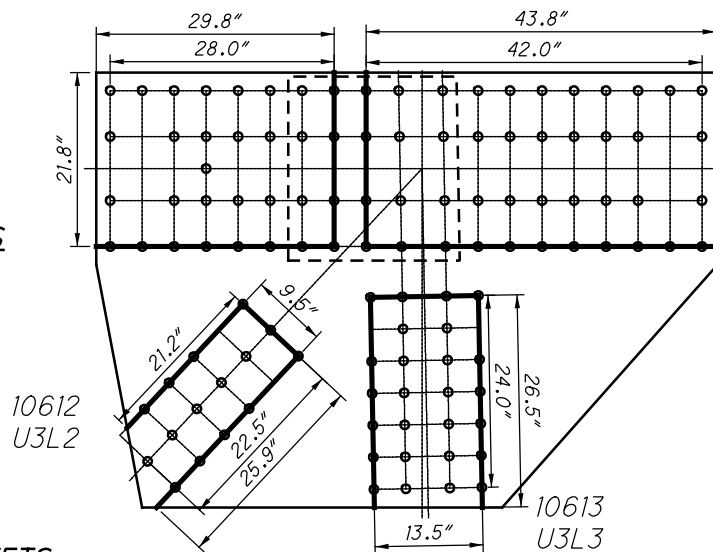
**U61 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21061 AND 31061

31 RIVETS
x 2 PLATES
=62 RIVETS

10611
U2U3

8 SPLICE P
x 2 PLATES
=16 RIVETS



42 RIVETS
x 2 PLATES
=84 RIVETS

10615
U3U4

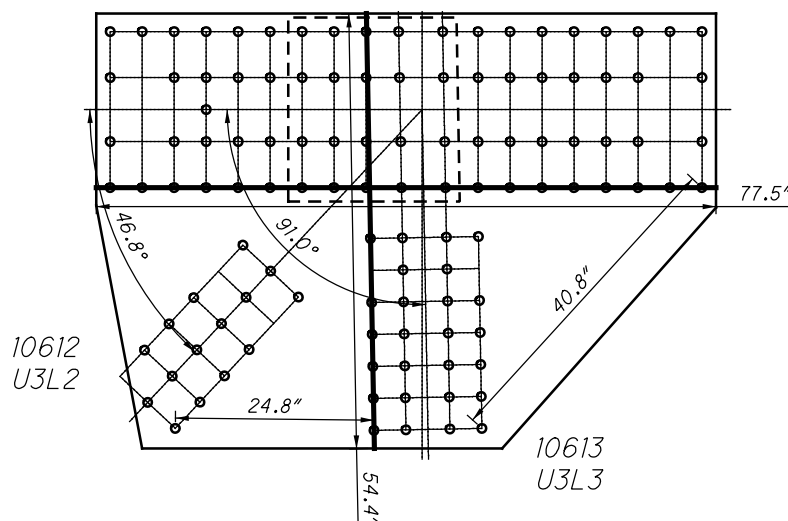
12 SPLICE P
x 2 PLATES
=24 RIVETS

15 RIVETS
x 2 PLATES
=30 RIVETS

26 RIVETS
x 2 PLATES
=52 RIVETS

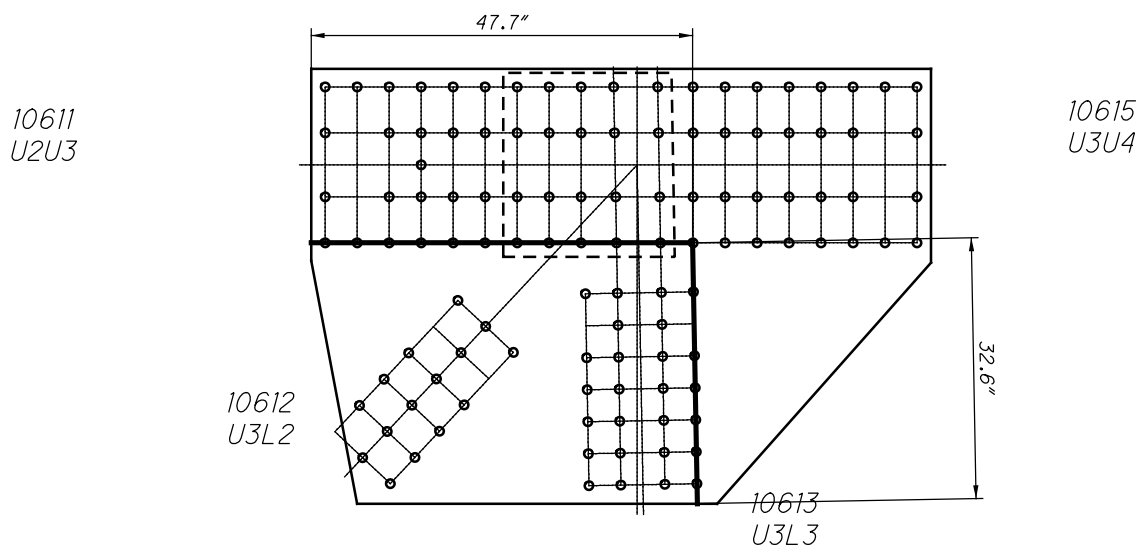
**U61 INSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10611
U2U3

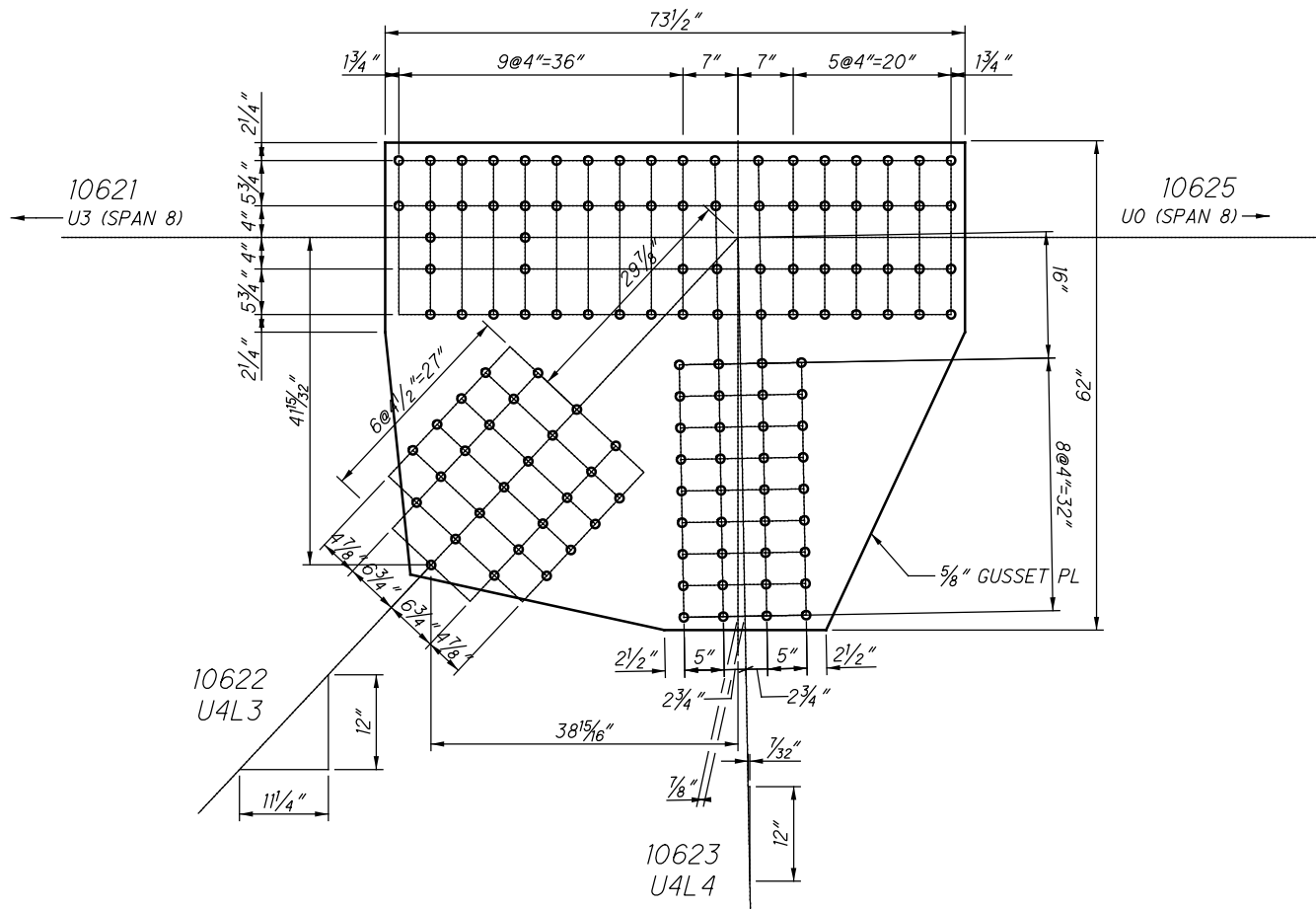


10615
U3U4

**U61 INSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**



**U61 INSIDE (SPAN 11)
QUADRANT DIMENSIONS**

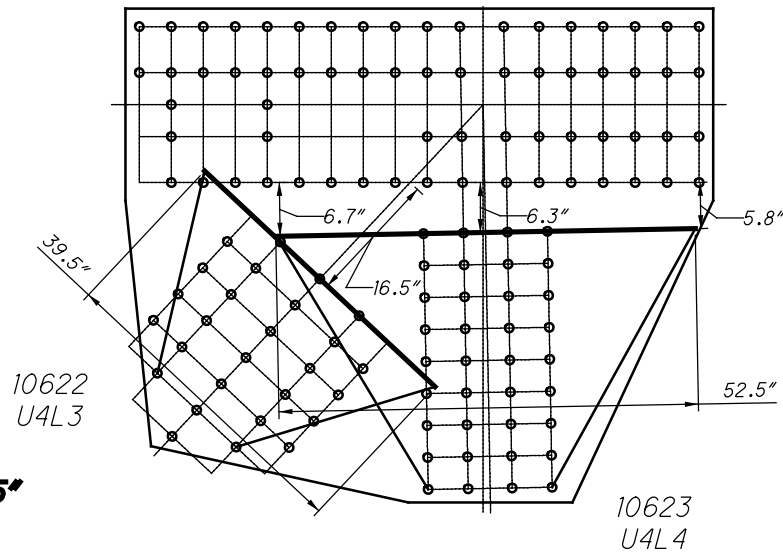


**U62 INSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

10621
U3U4

10625
U4U5

$L_c = 5.5''$



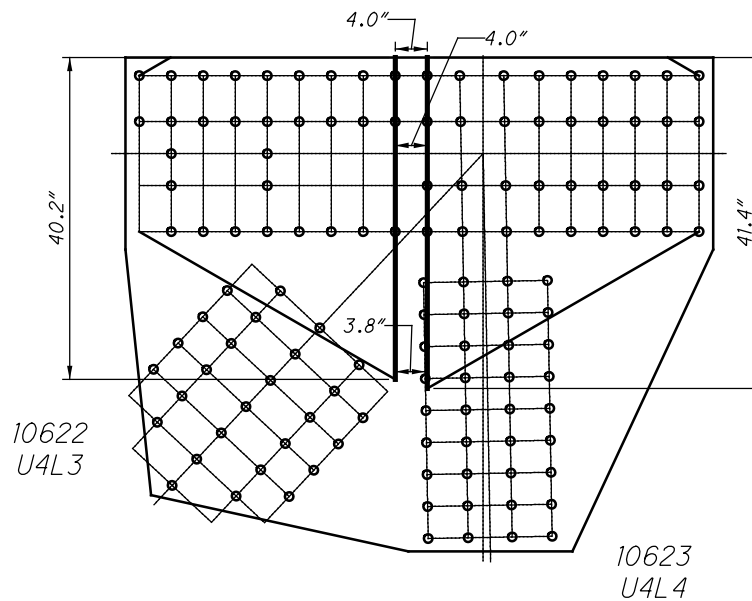
$L_c = 6.3''$

**U62 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10621
U3U4

10625
U4U5

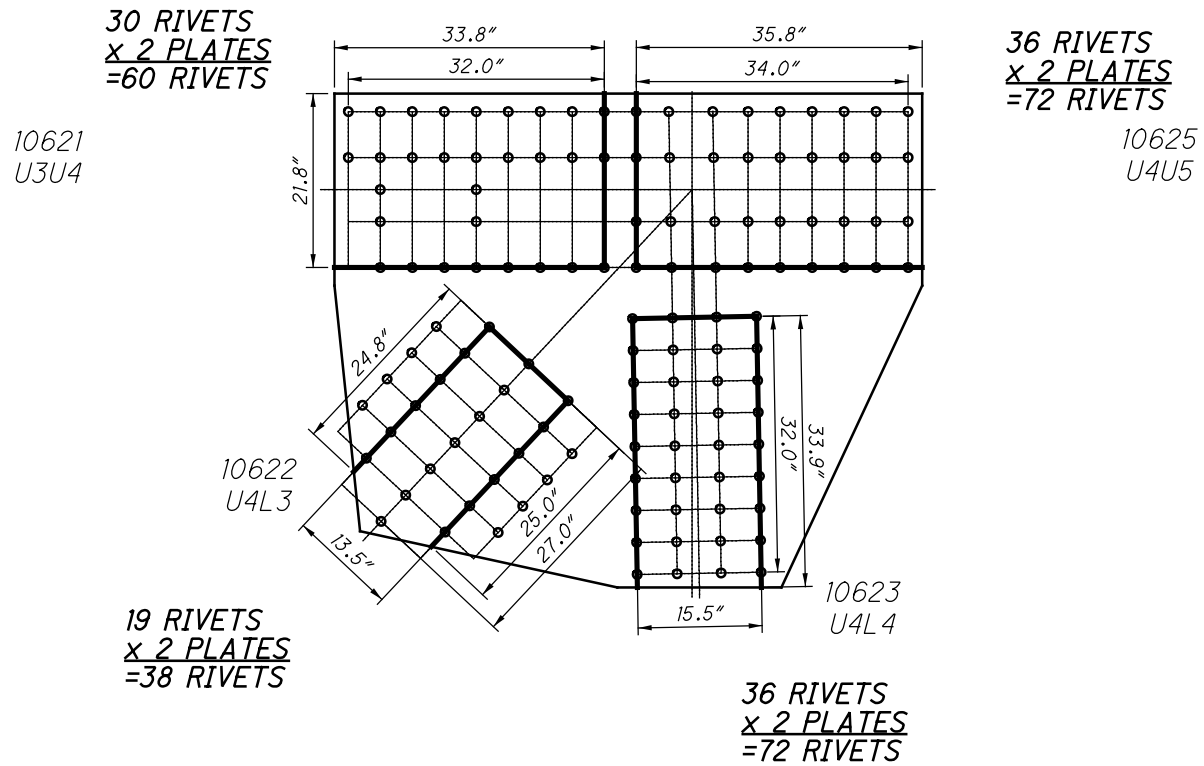
$L_c = 3.9''$



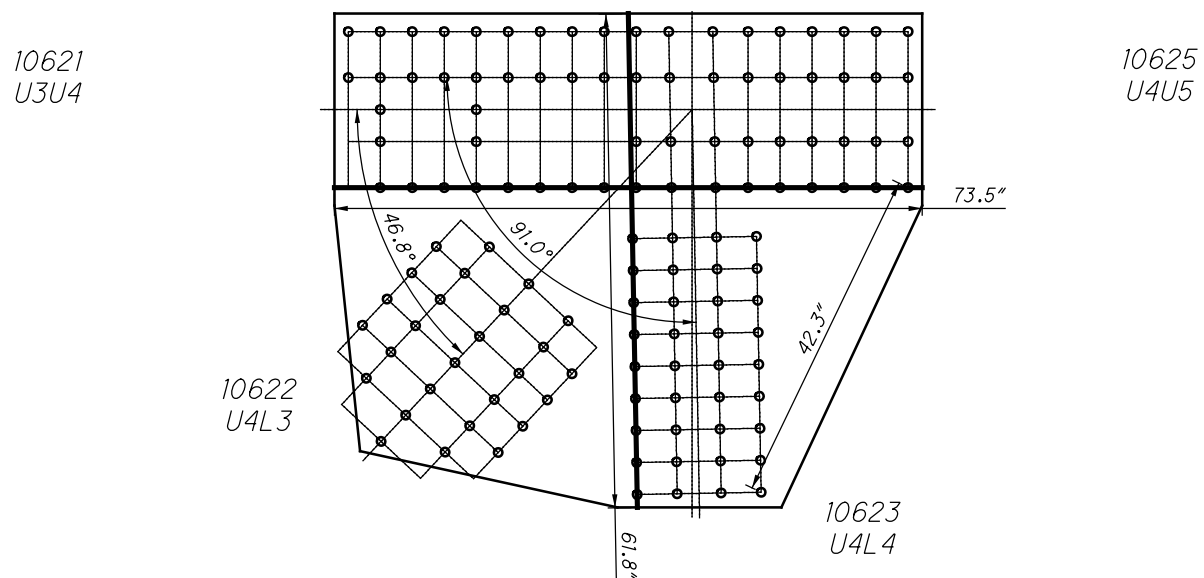
$L_c = 2.7''$

**U62 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21062 AND 31062



**U62 INSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



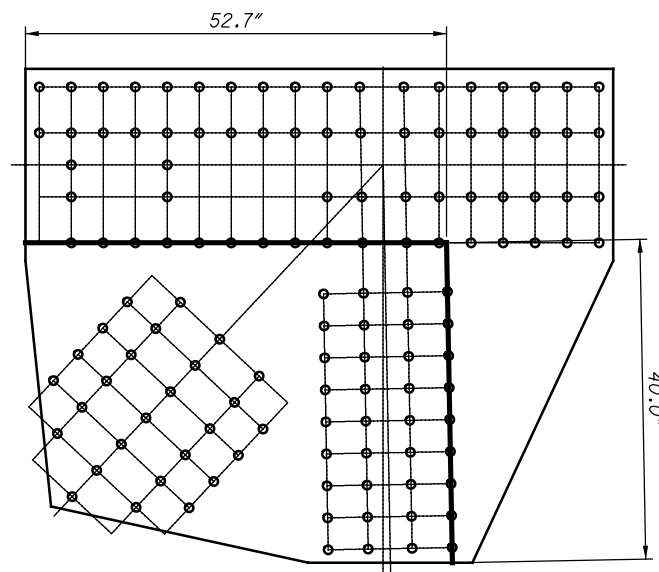
**U62 INSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**

10621
U3U4

10625
U4U5

10622
U4L3

10623
U4L4



**U62 INSIDE (SPAN 11)
QUADRANT DIMENSIONS**

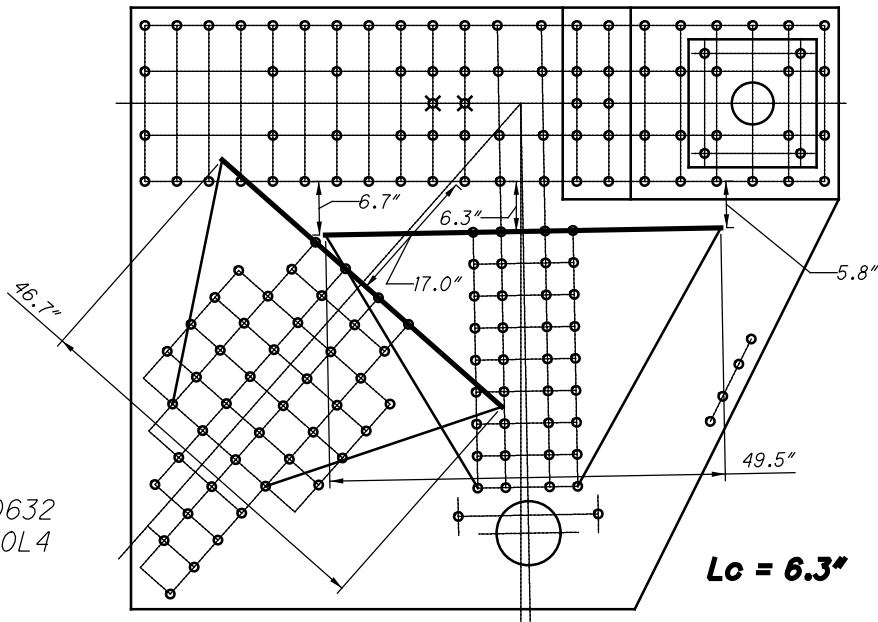
- U63 INSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

10631
U4U5

10635
U5U6

$L_c = 5.7''$

10632
UOL4



10633
UOL0

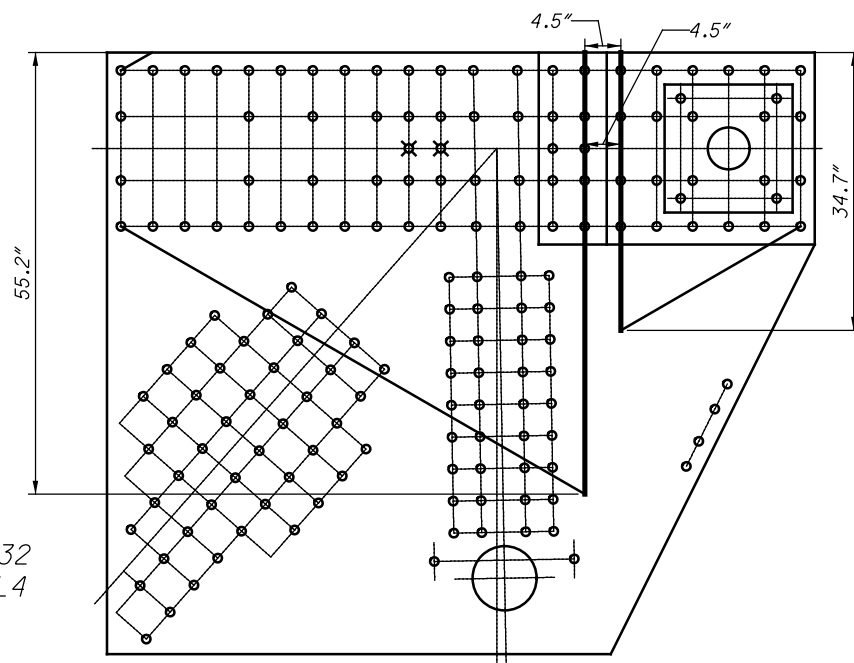
**U63 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10631
U4U5

10635
U5U6

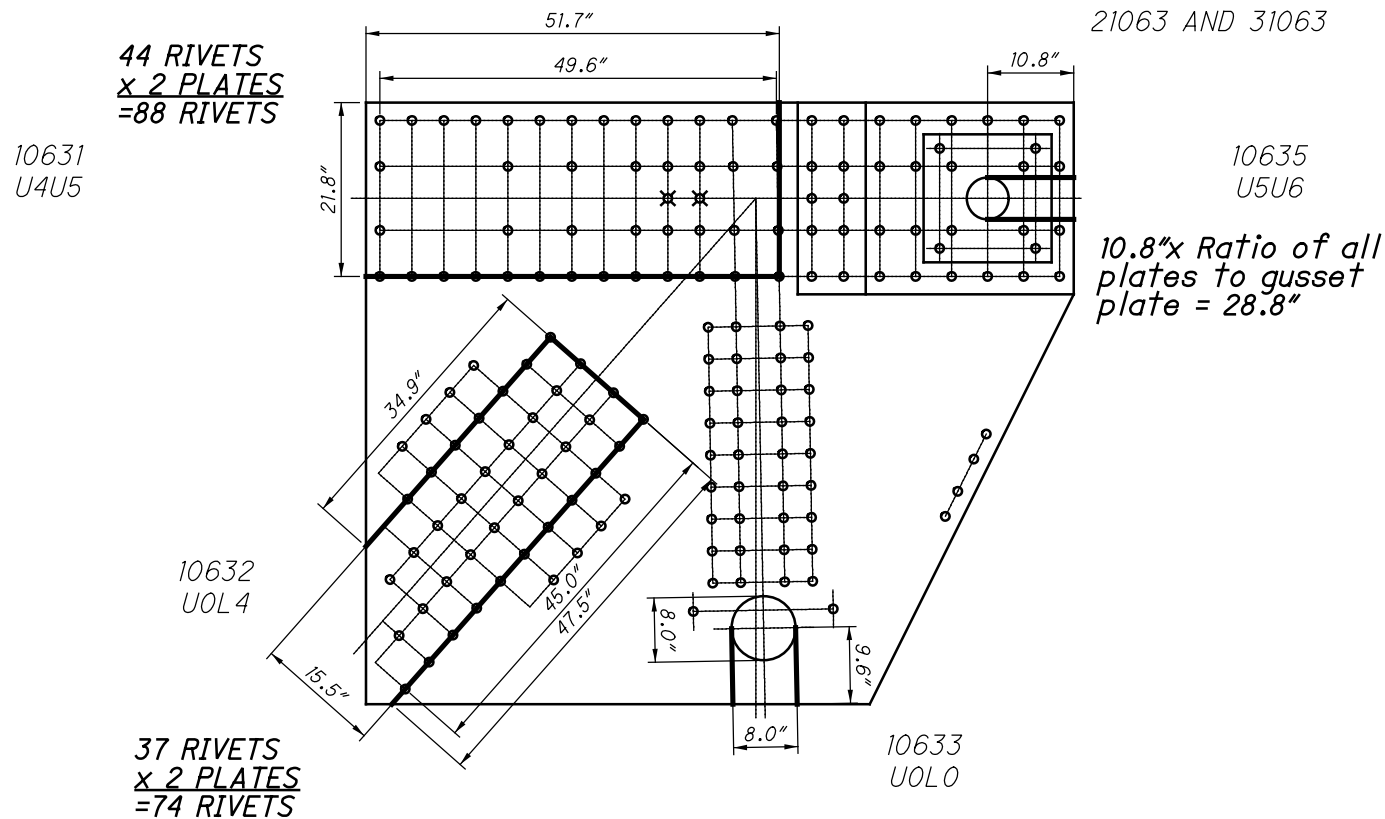
$L_c = 3.0''$

10632
UOL4

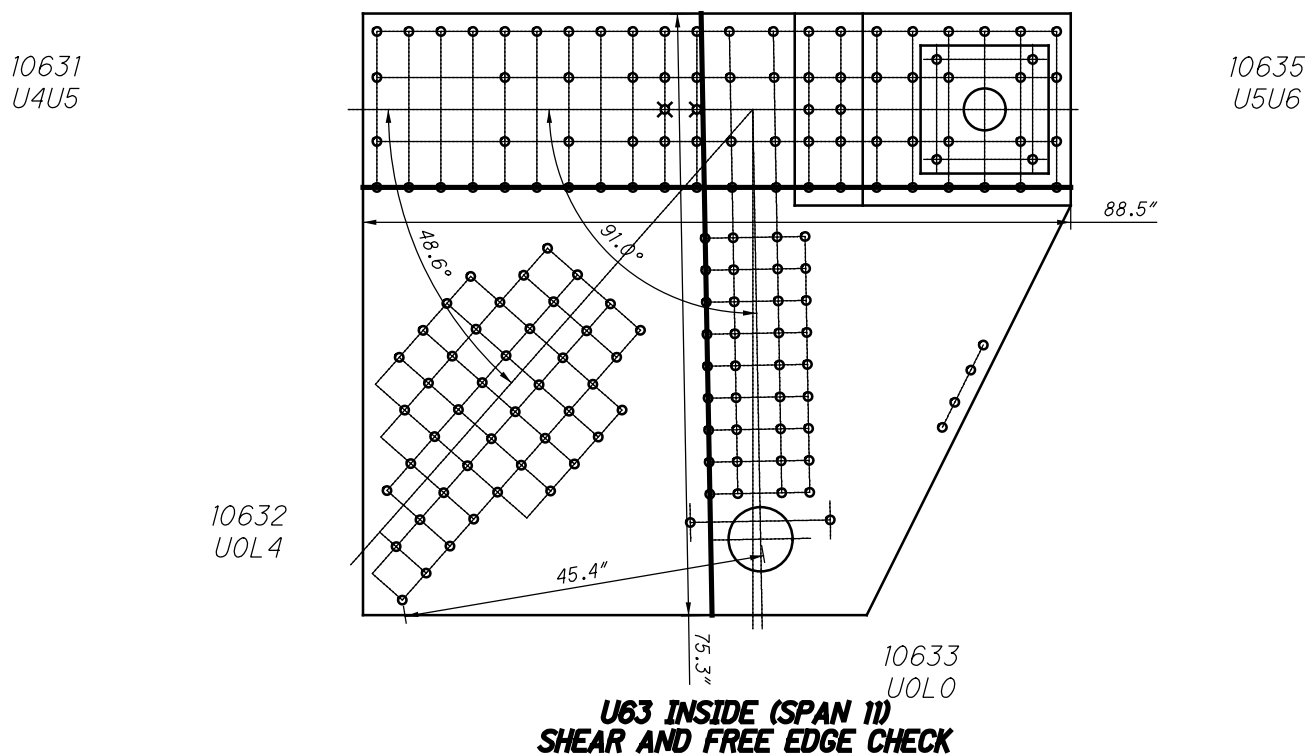


10633
UOL0

**U63 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



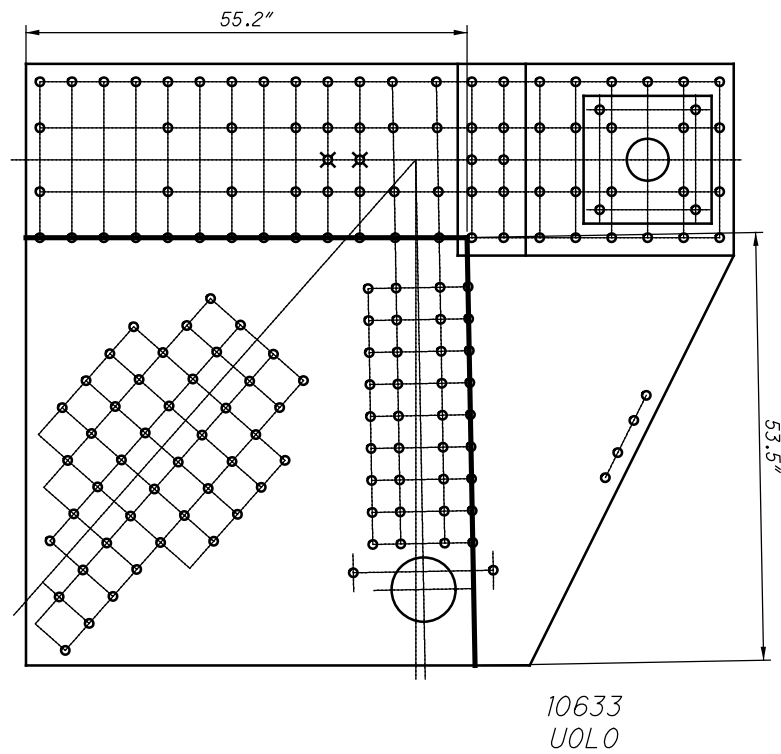
**U63 INSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



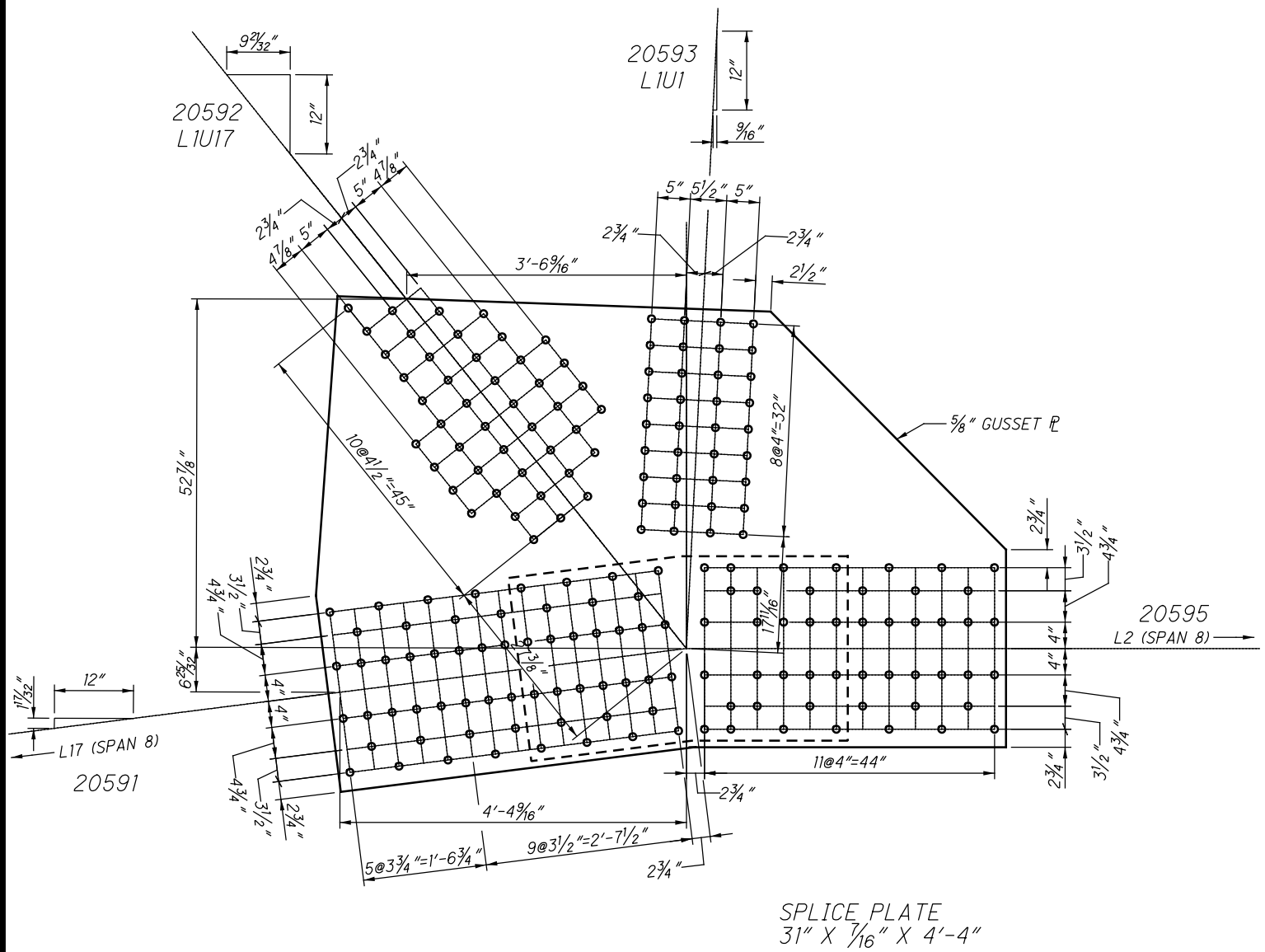
10631
U4U5

10635
U5U6

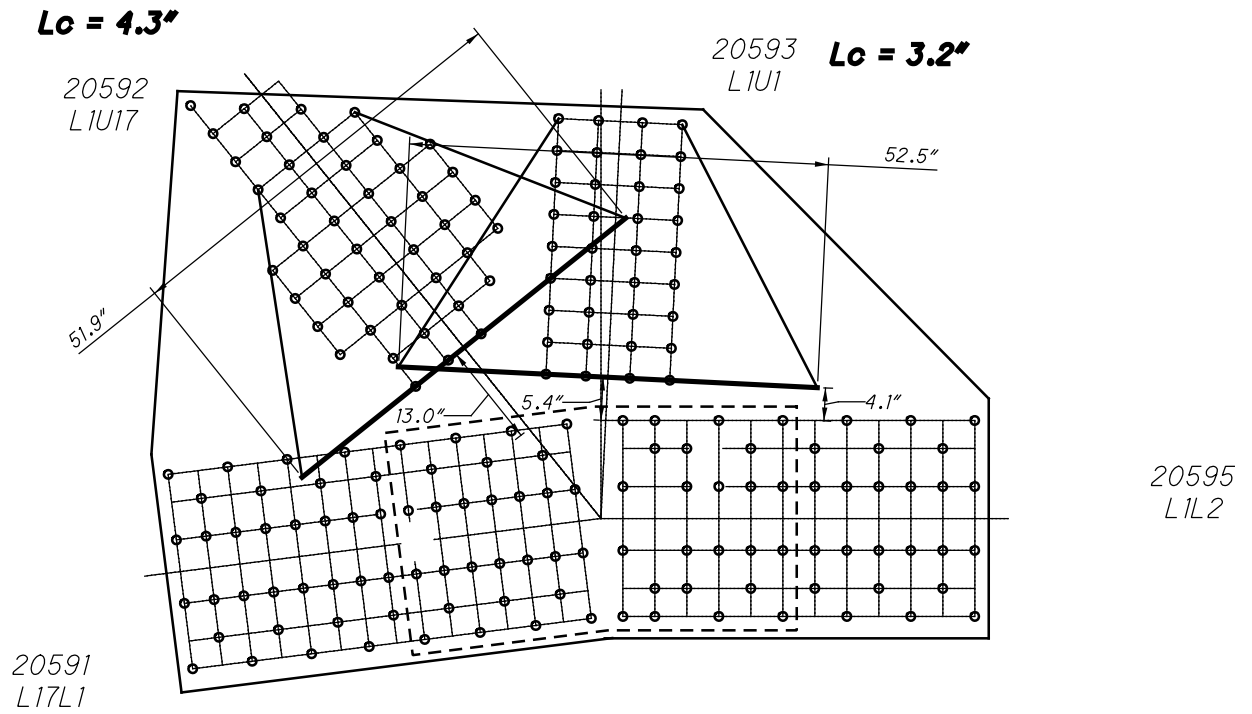
10632
U0L4



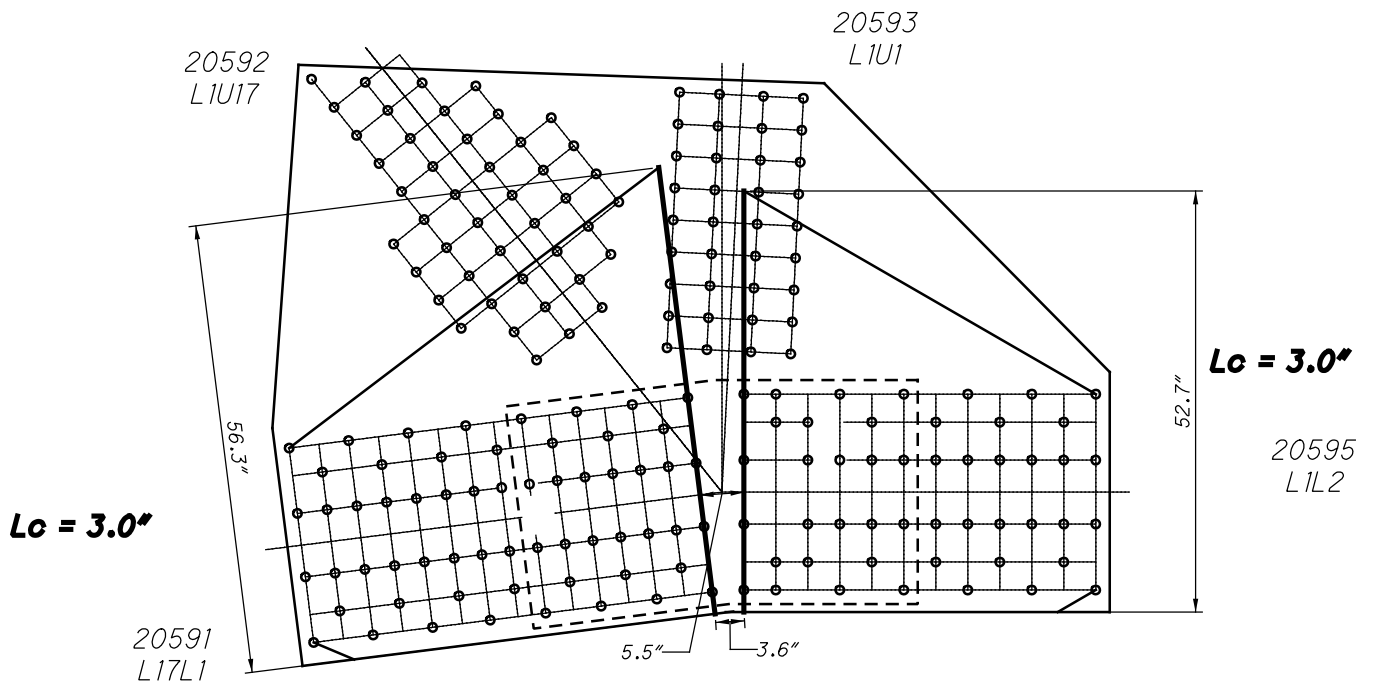
**U63 INSIDE (SPAN 11)
QUADRANT DIMENSIONS**



**L59 INSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

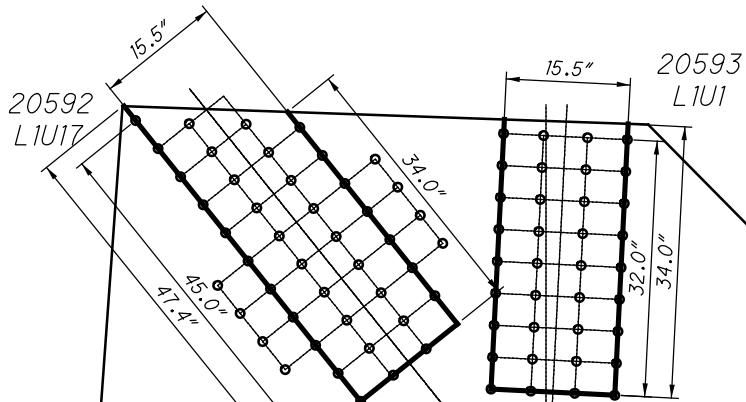


**L59 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L59 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

37 RIVETS
x 2 PLATES
=74 RIVETS

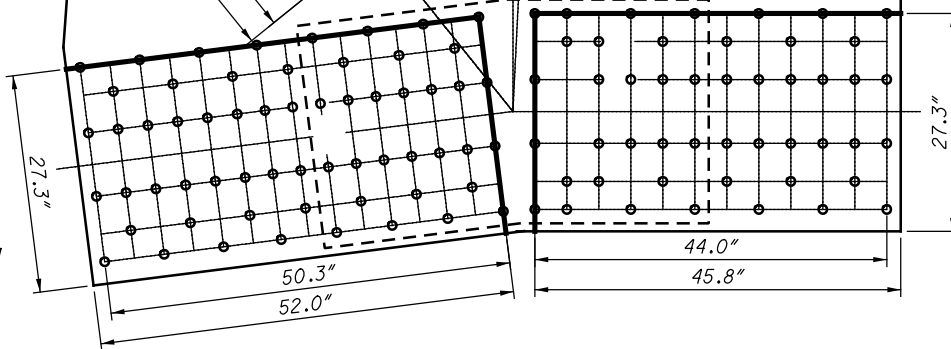


36 RIVETS
x 2 PLATES
=72 RIVETS

60 RIVETS
x 2 PLATES
=120 RIVETS

28 SPLICE \overline{P}
x 2 PLATES
=56 RIVETS

20591
L17L1

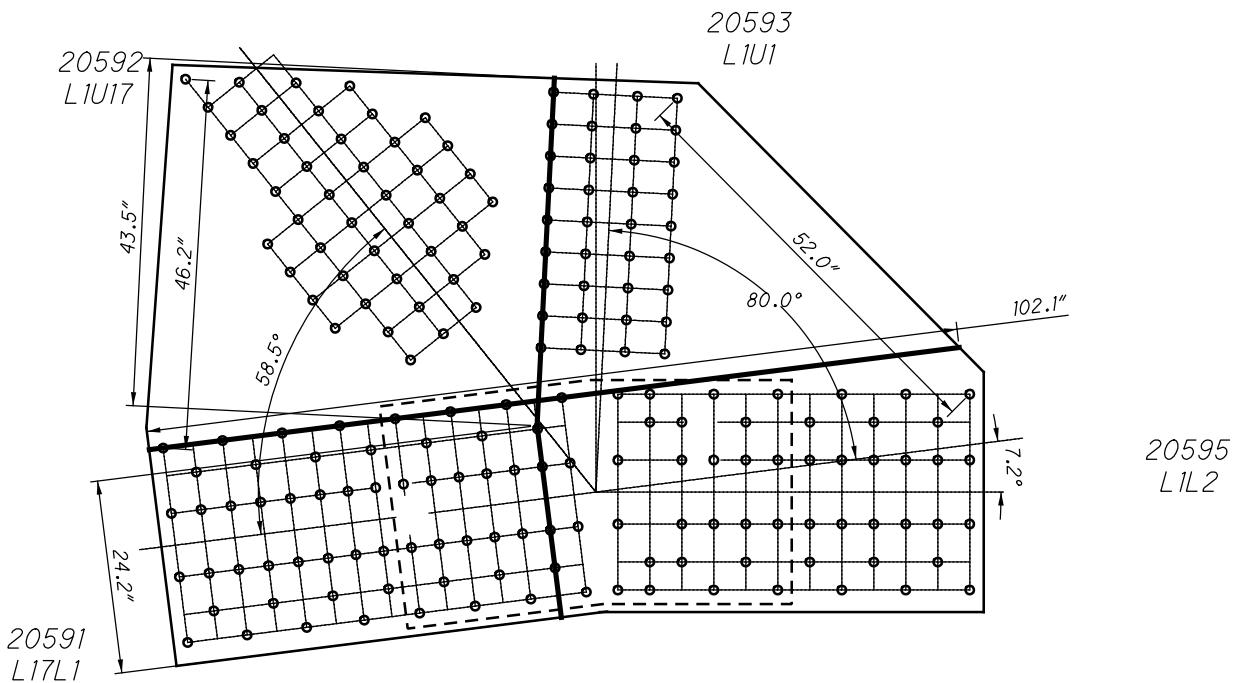


20595
L1L2

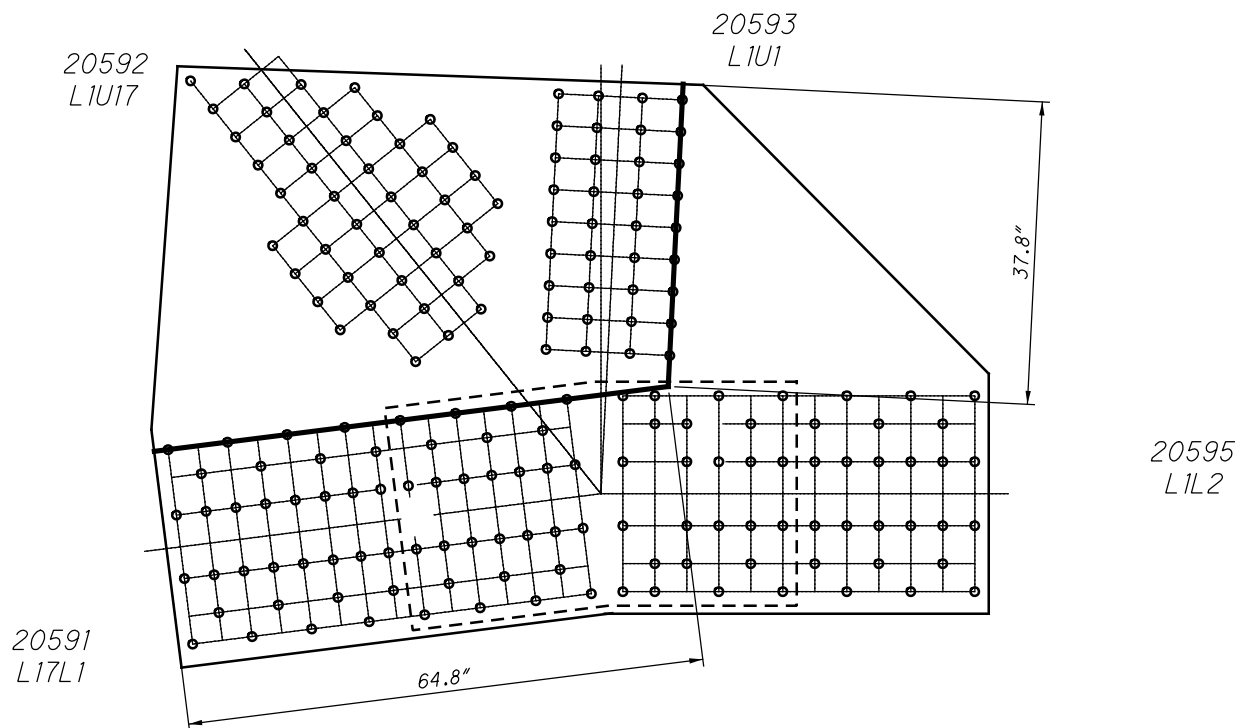
48 RIVETS
x 2 PLATES
=96 RIVETS

24 SPLICE \overline{P}
x 2 PLATES
=48 RIVETS

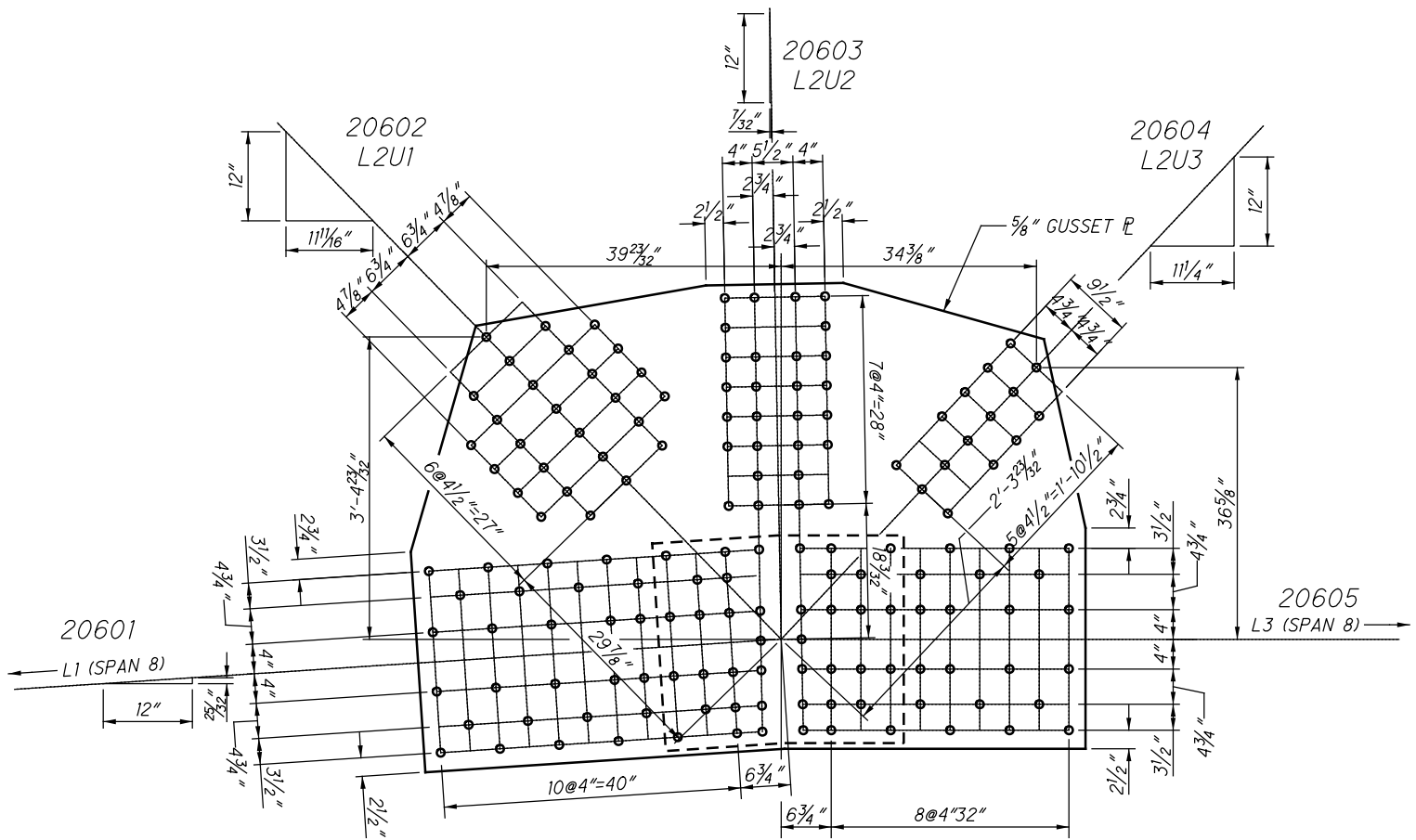
**L59 INSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L59 INSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**



**L59 INSIDE (SPAN 11)
QUADRANT DIMENSIONS**



SPLICE PLATE
 $28 \frac{1}{2}" \times \frac{3}{8}" \times 2' - 10"$

**L60 INSIDE (SPAN 11)
 (NEAR SIDE AND FAR SIDE)**

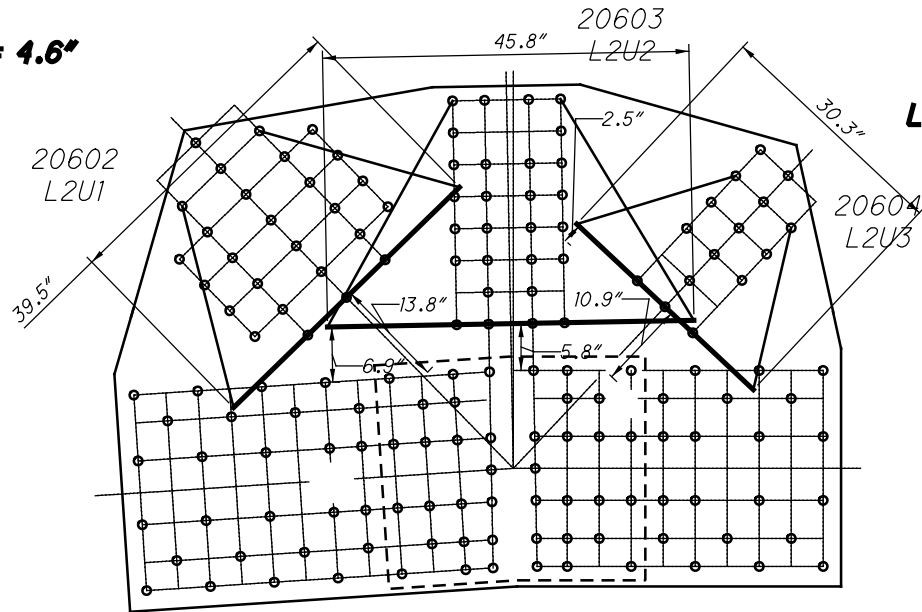
$L_c = 4.2''$

22060 AND 32060

$L_c = 4.6''$

$L_c = 4.5''$

20601
L1L2



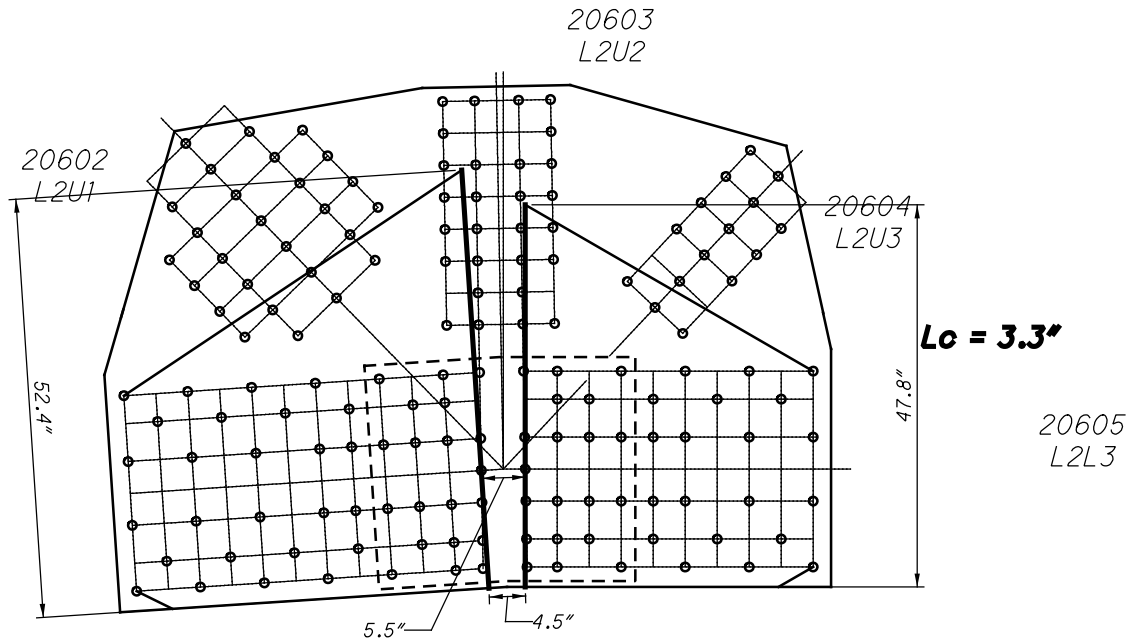
**L60 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20603
L2U2

$L_c = 3.3''$

$L_c = 3.3''$

20601
L1L2



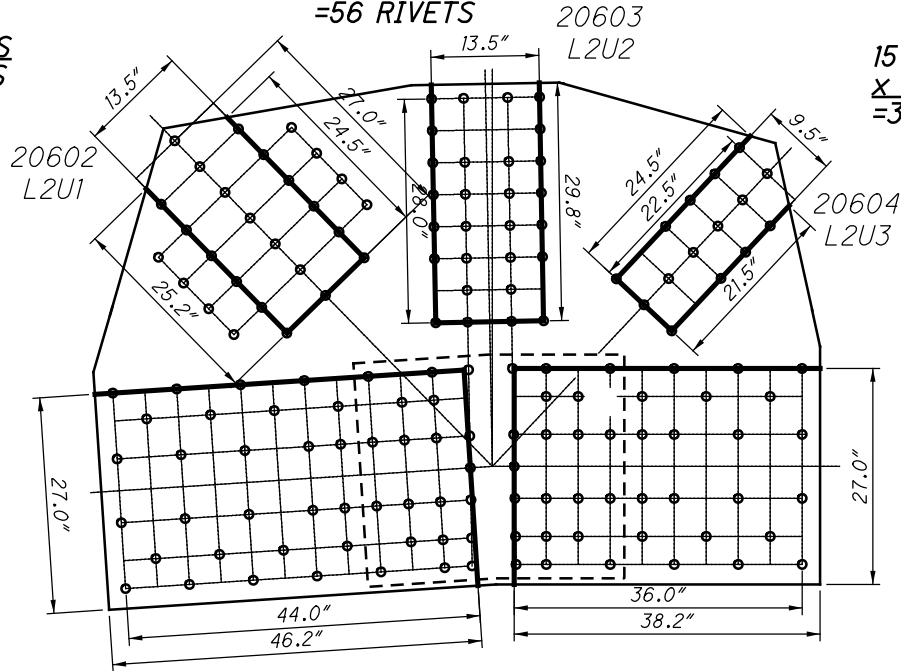
**L60 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

22060 AND 32060

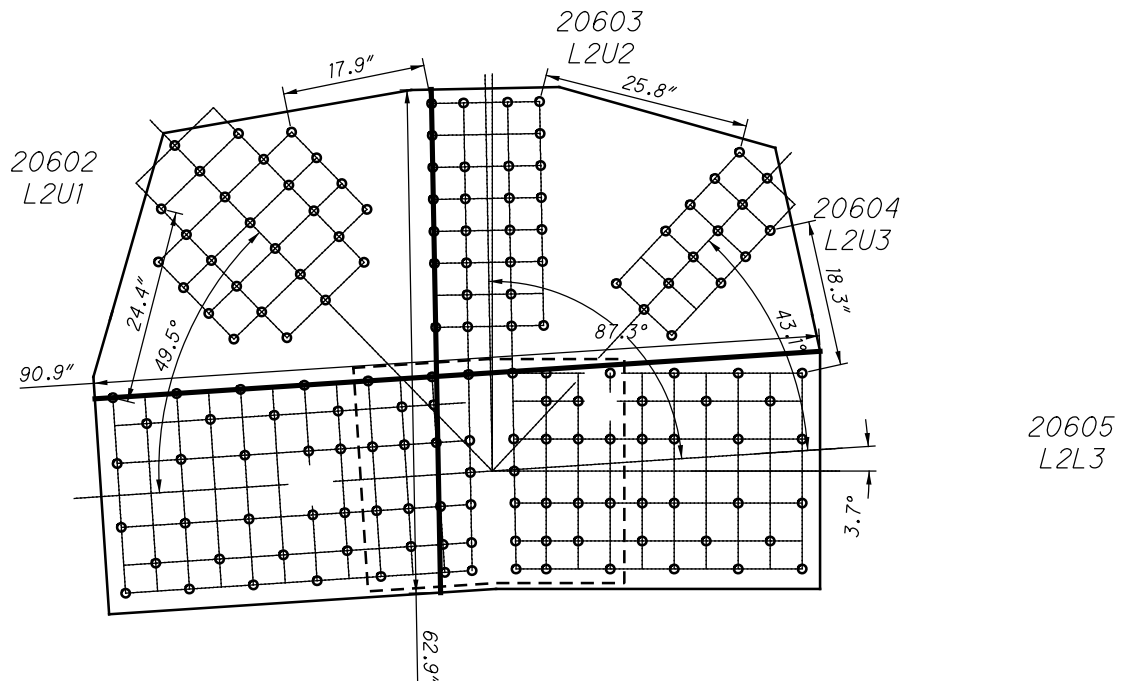
19 RIVETS
x 2 PLATES
=38 RIVETS

28 RIVETS
x 2 PLATES
=56 RIVETS

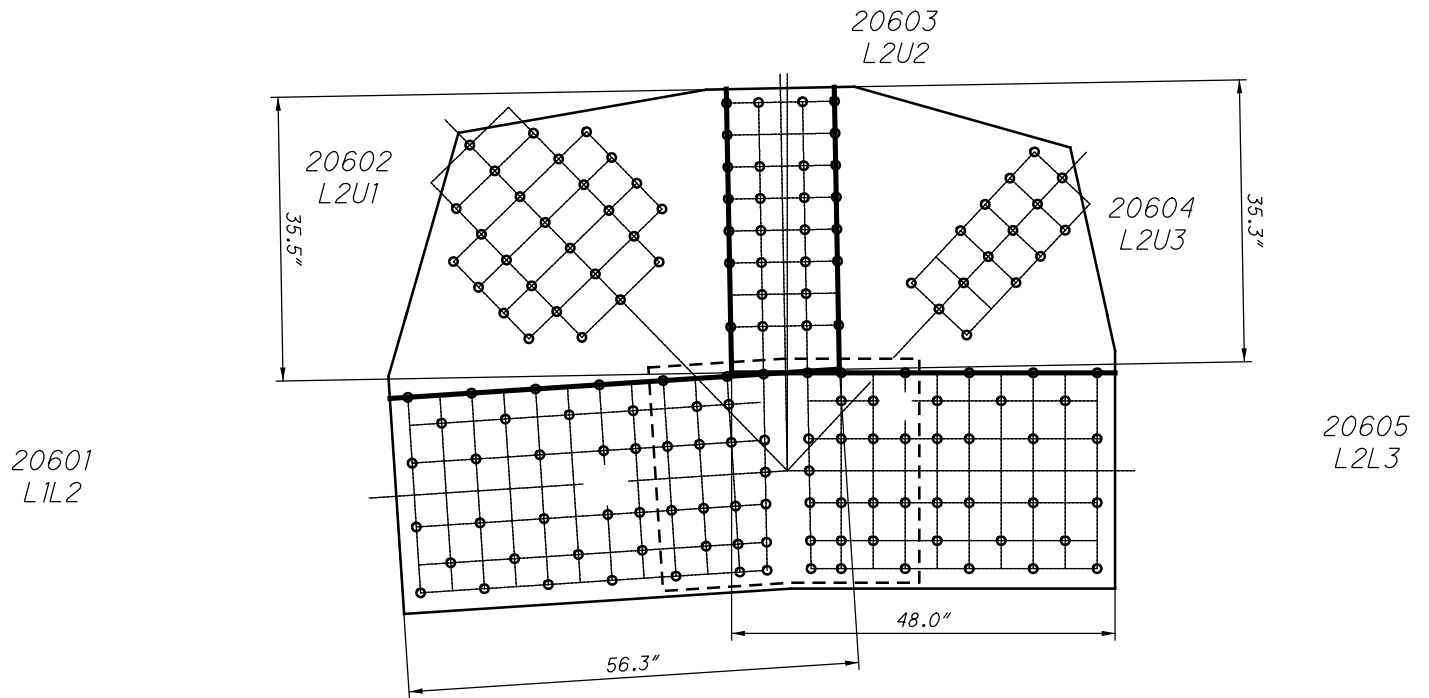
15 RIVETS
x 2 PLATES
=30 RIVETS



**L60 INSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

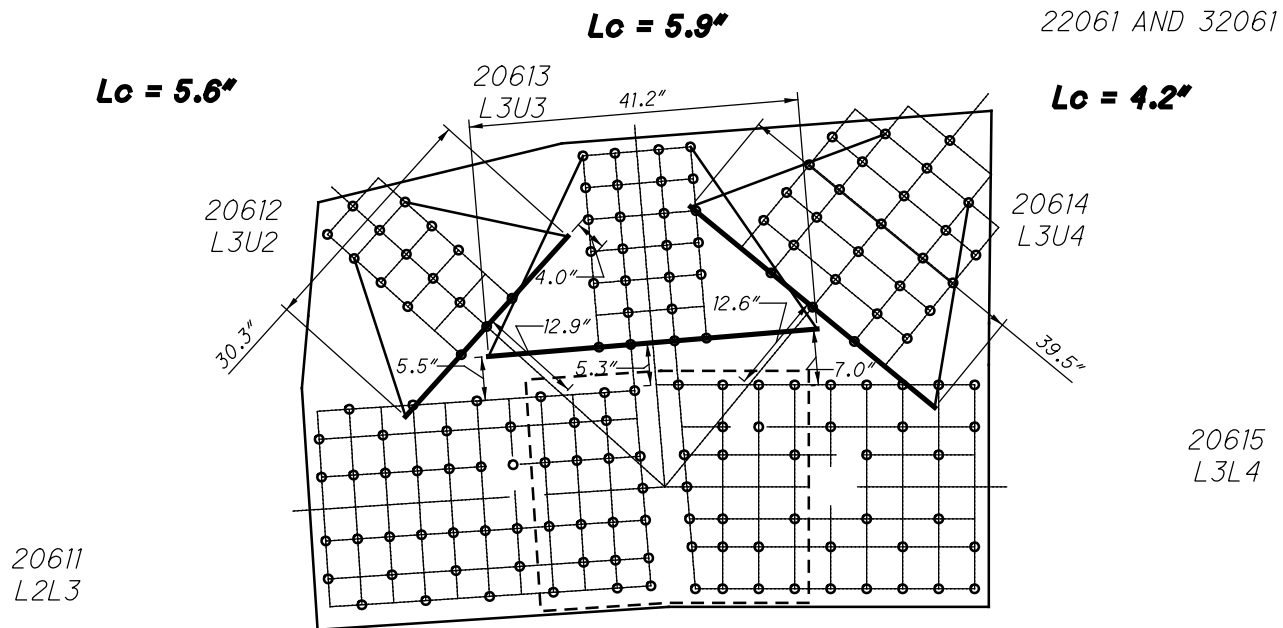


**L60 INSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**

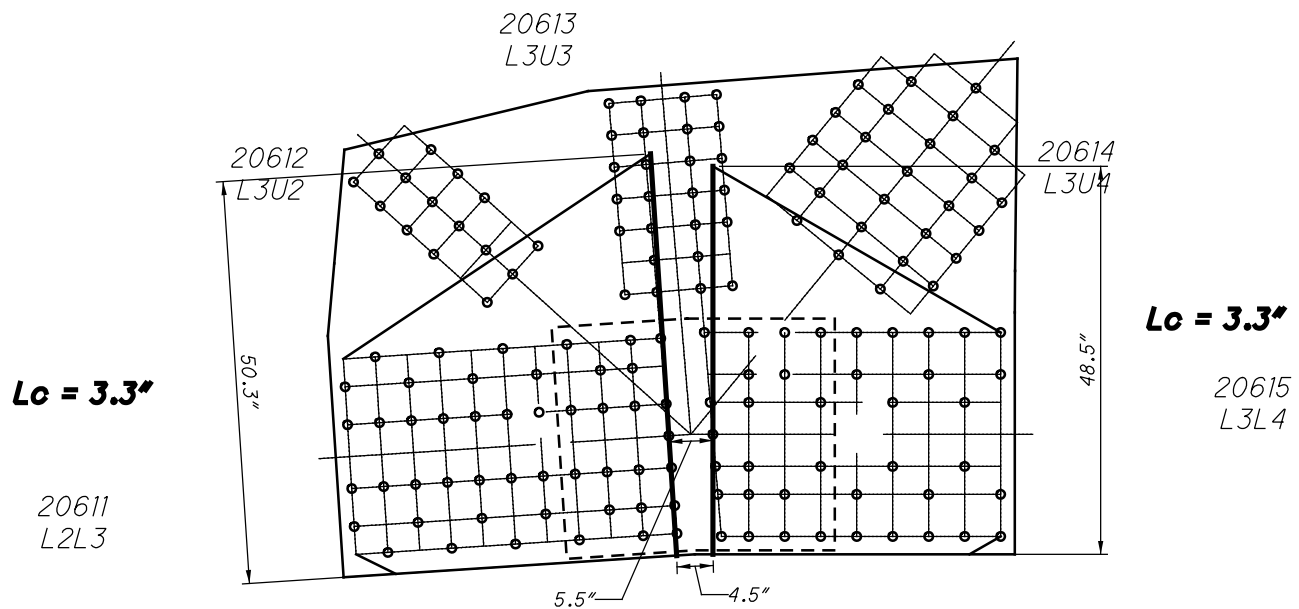


**L60 INSIDE (SPAN 11)
QUADRANT DIMENSIONS**

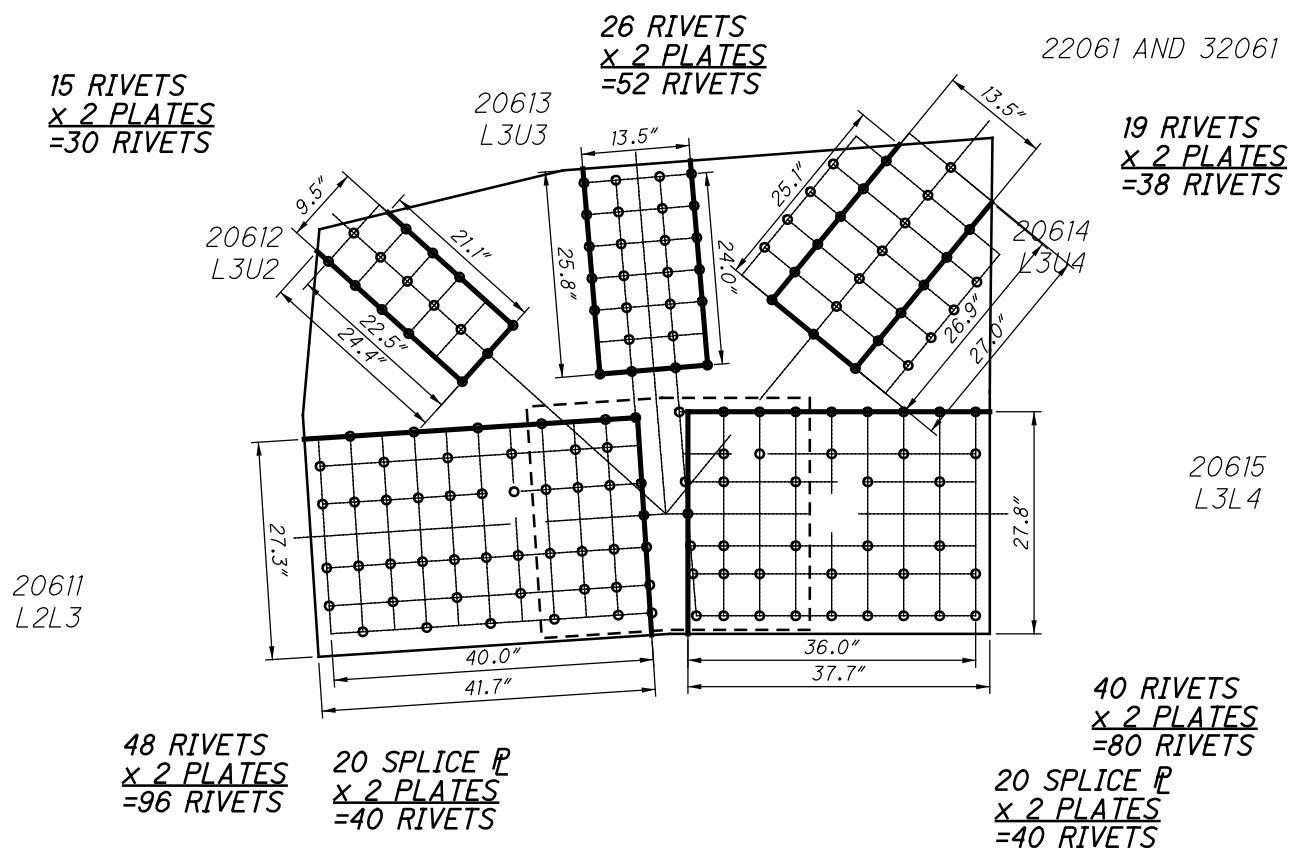




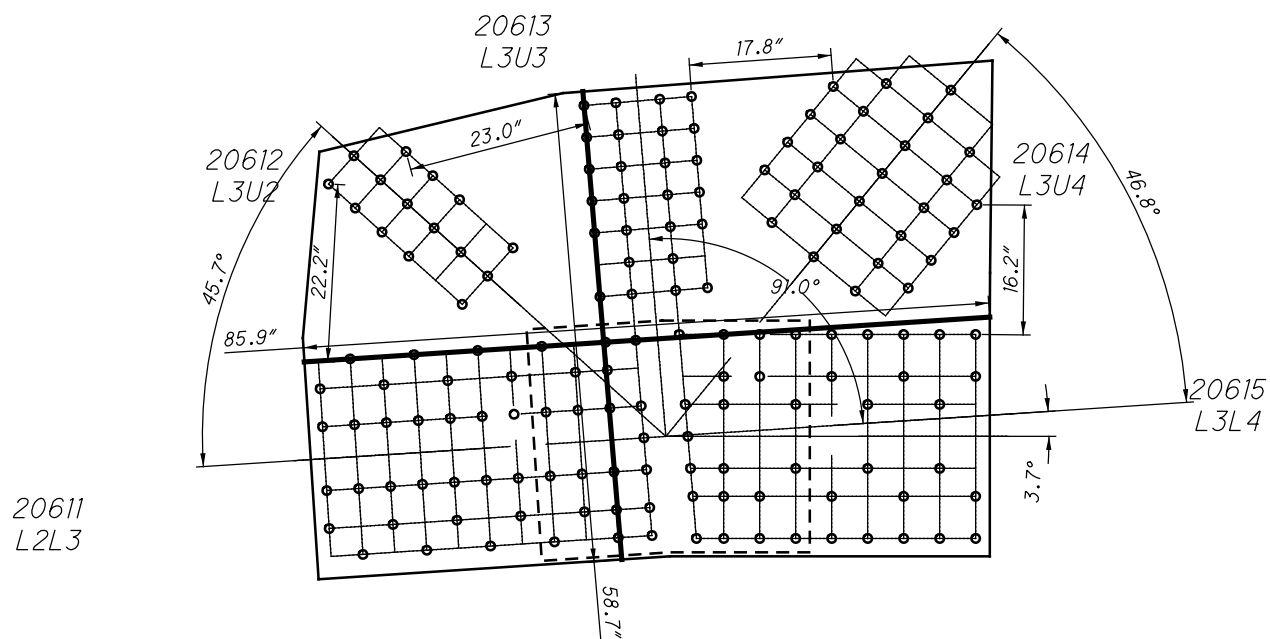
**L61 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



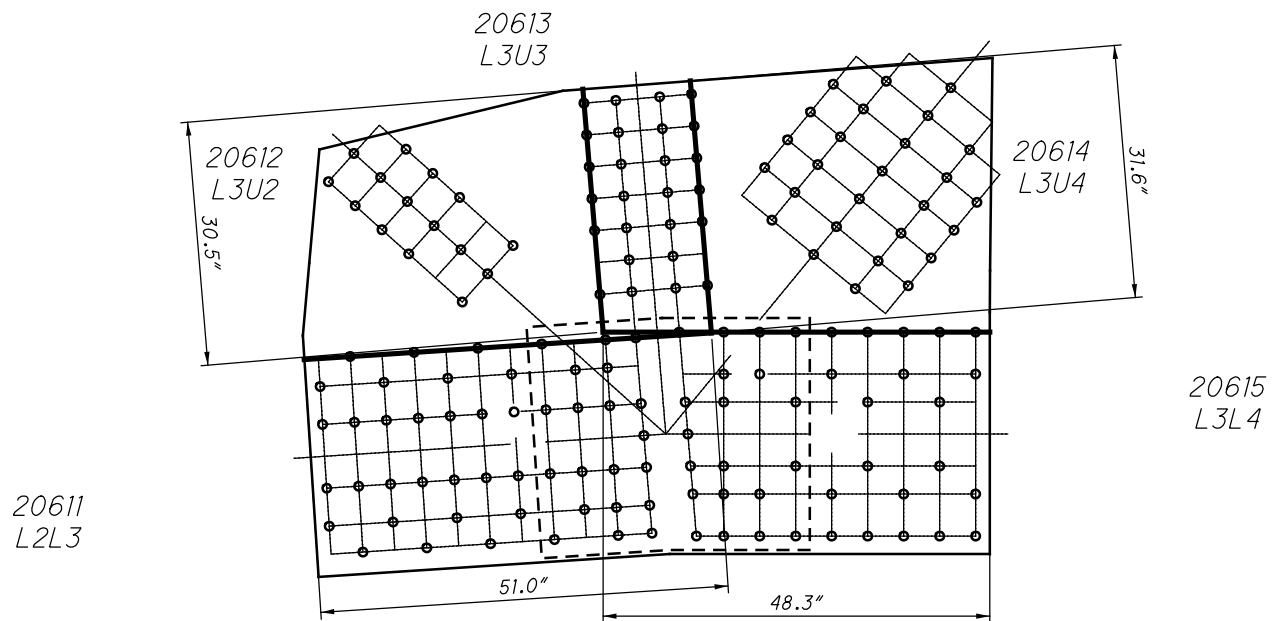
**L61 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



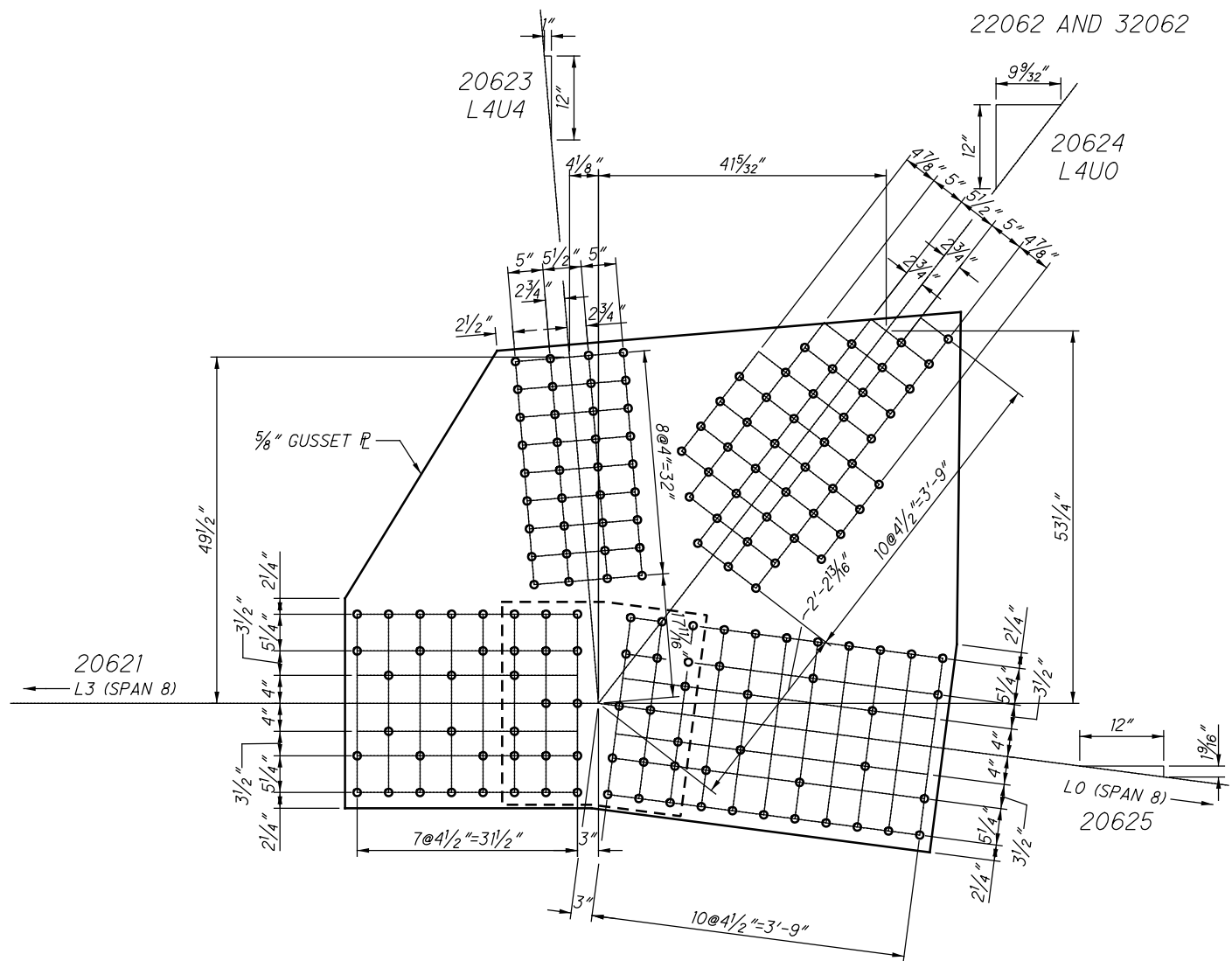
**L61 INSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L61 INSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**



**L61 INSIDE (SPAN 11)
QUADRANT DIMENSIONS**

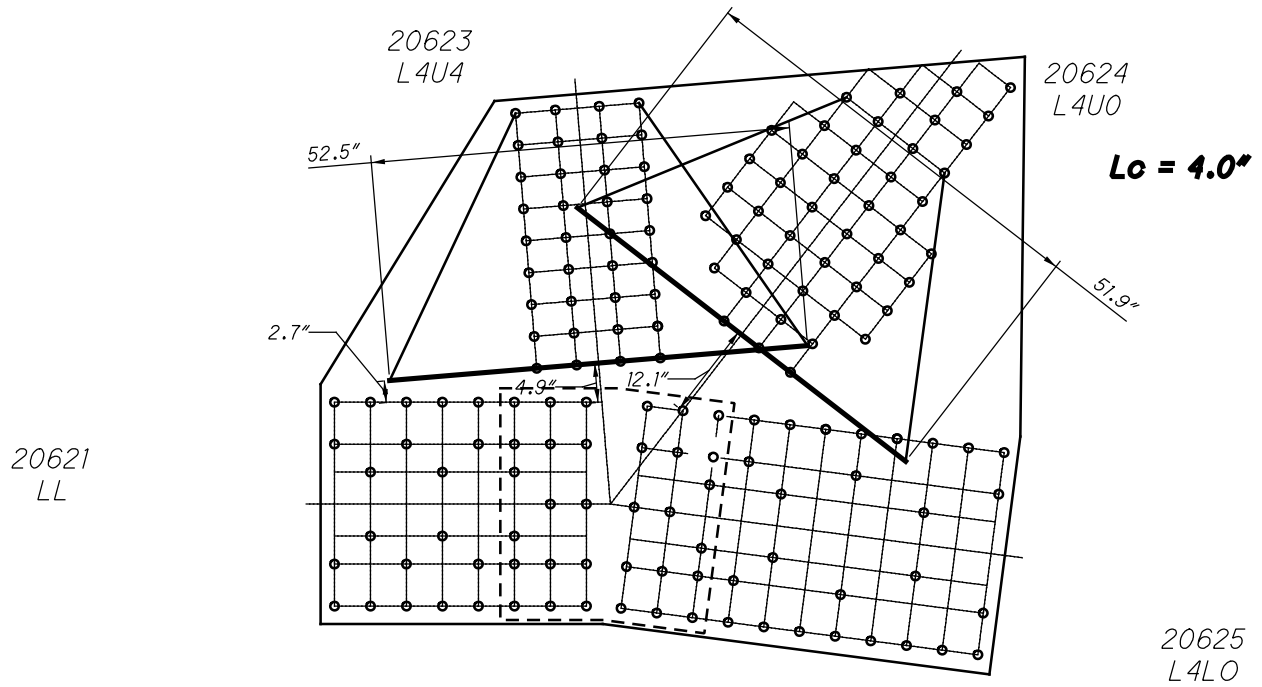


SPLICE PLATE
29 1/2" X 3/8" X 2'-5 1/2"

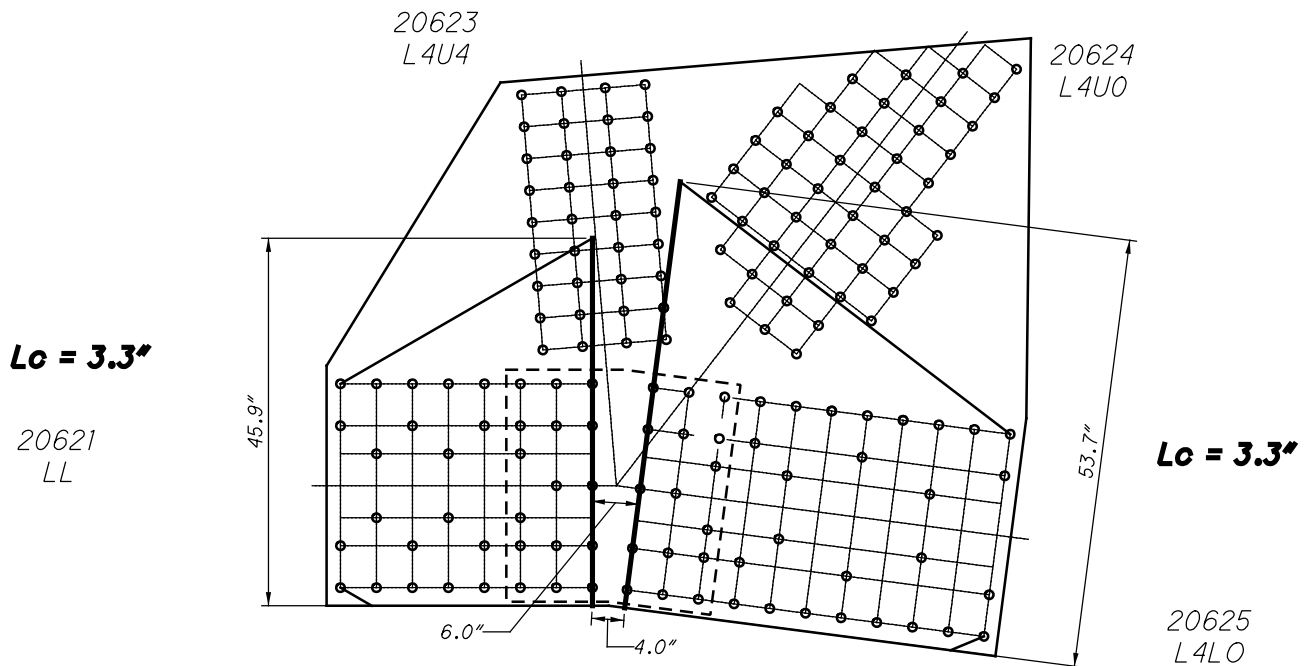
**L62 INSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

$L_c = 2.5''$

22062 AND 32062



**L62 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L62 INSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20621
LL

36 RIVETS
x 2 PLATES
=72 RIVETS

16 SPLICE P
x 2 PLATES
=32 RIVETS

36 RIVETS
x 2 PLATES
=72 RIVETS

20623
L4U4

22062 AND 32062

20624
L4U0

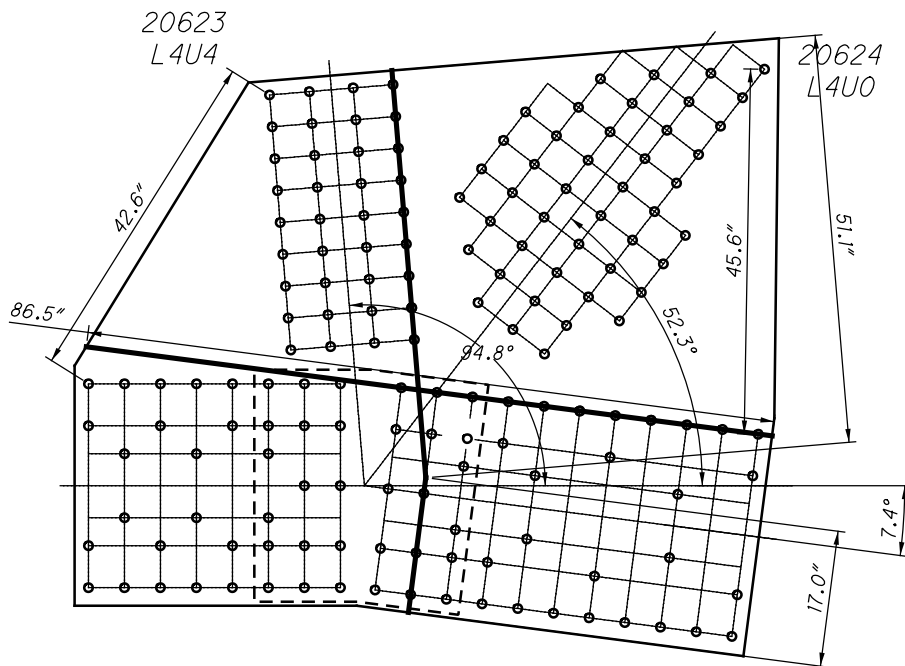
37 RIVETS
x 2 PLATES
=74 RIVETS

42 RIVETS
x 2 PLATES
=84 RIVETS

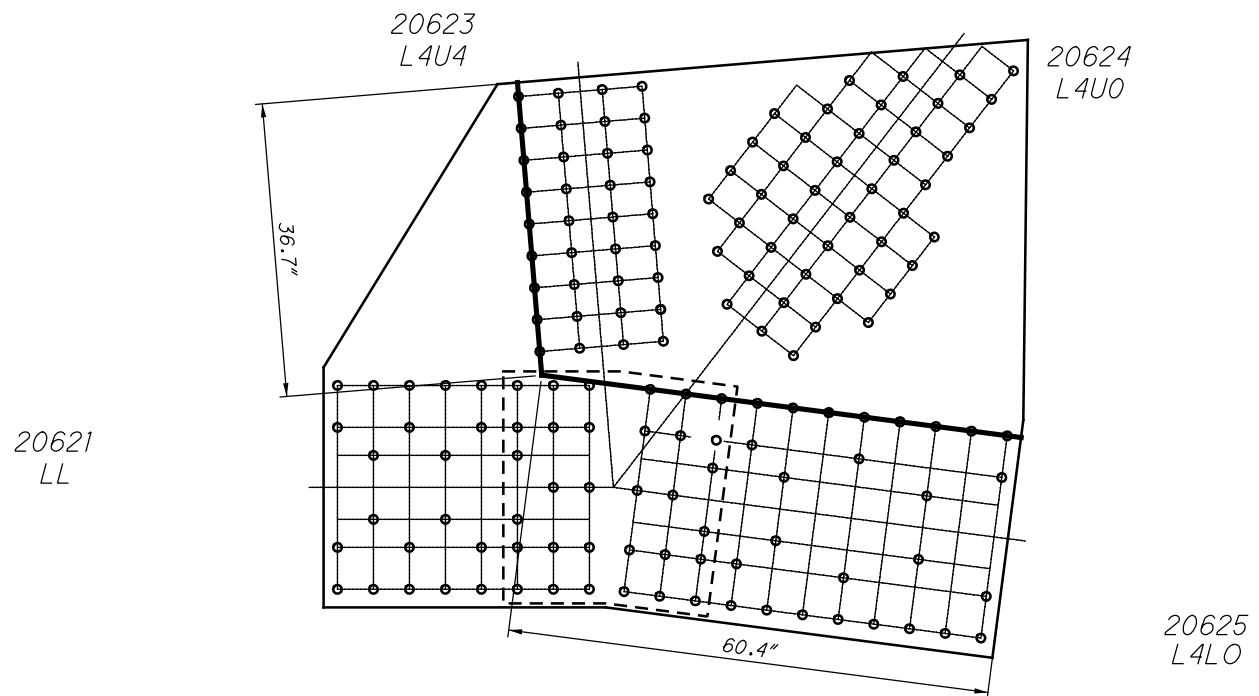
20625
L4LO

16 SPLICE P
x 2 PLATES
=32 RIVETS

**L62 INSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

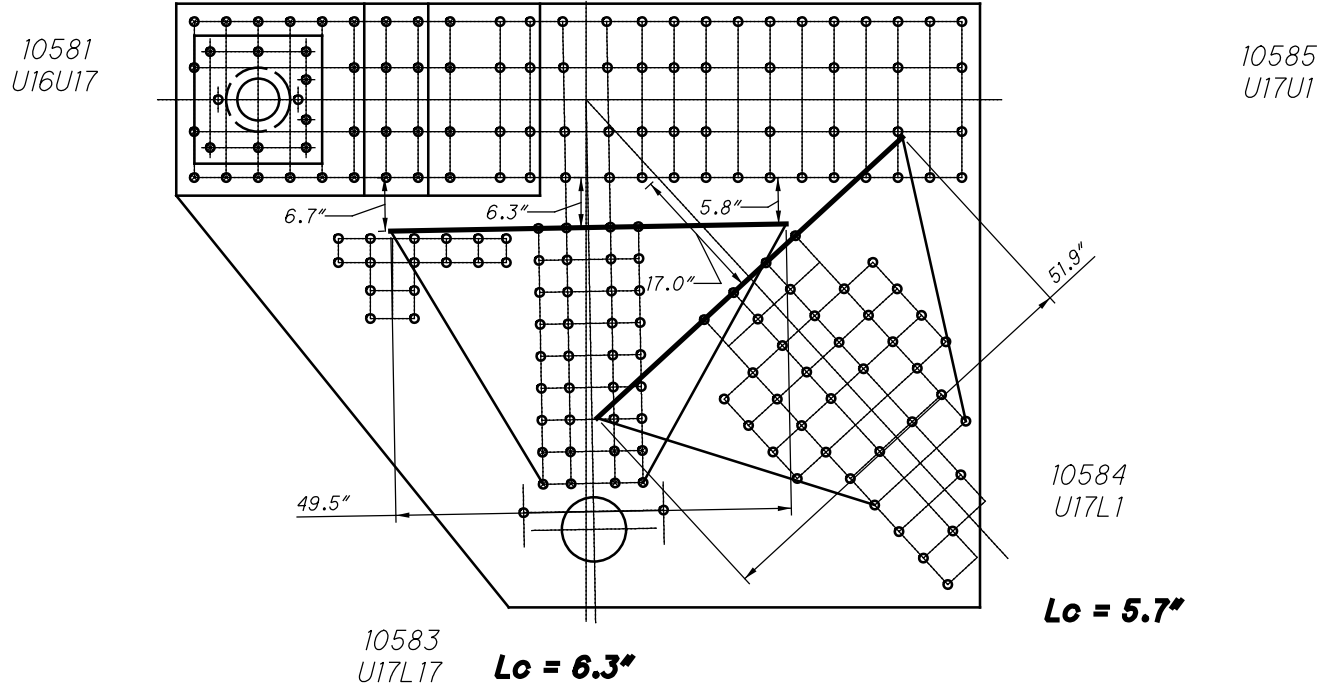


**L62 INSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**

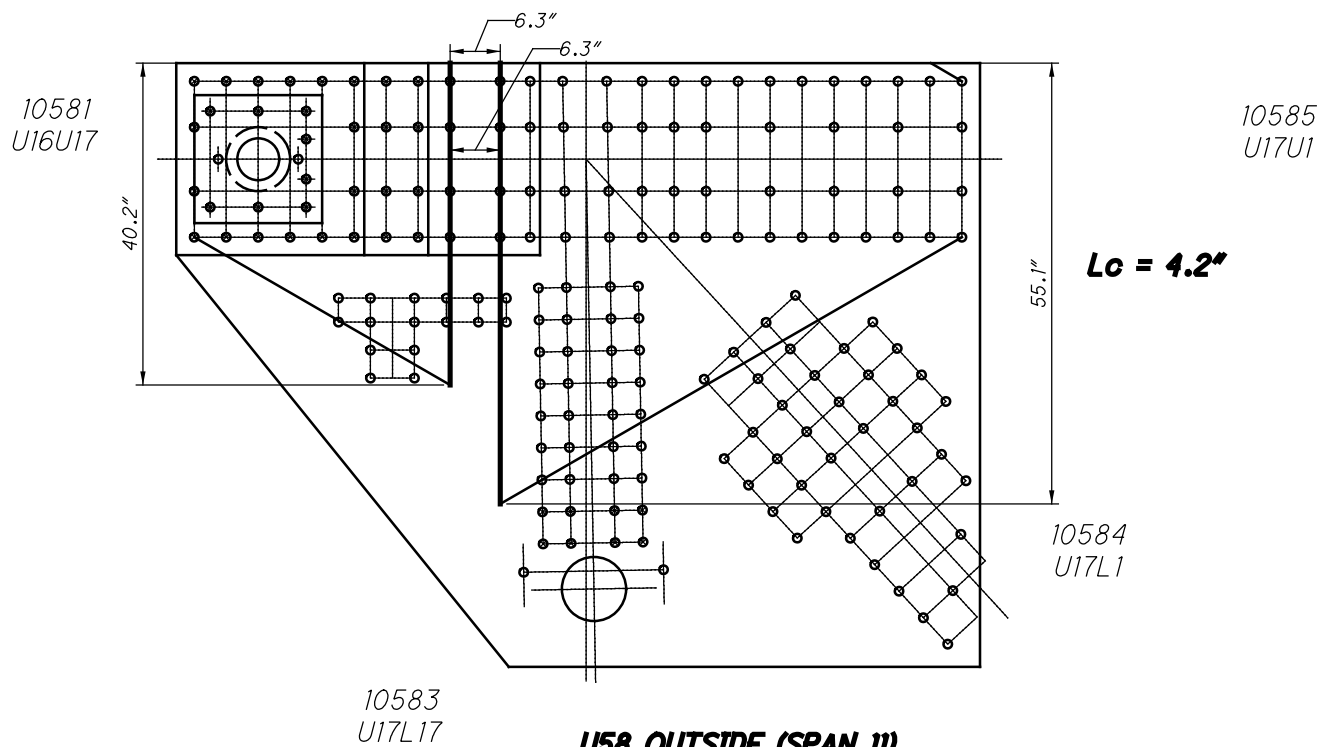


**L62 INSIDE (SPAN 11)
QUADRANT DIMENSIONS**

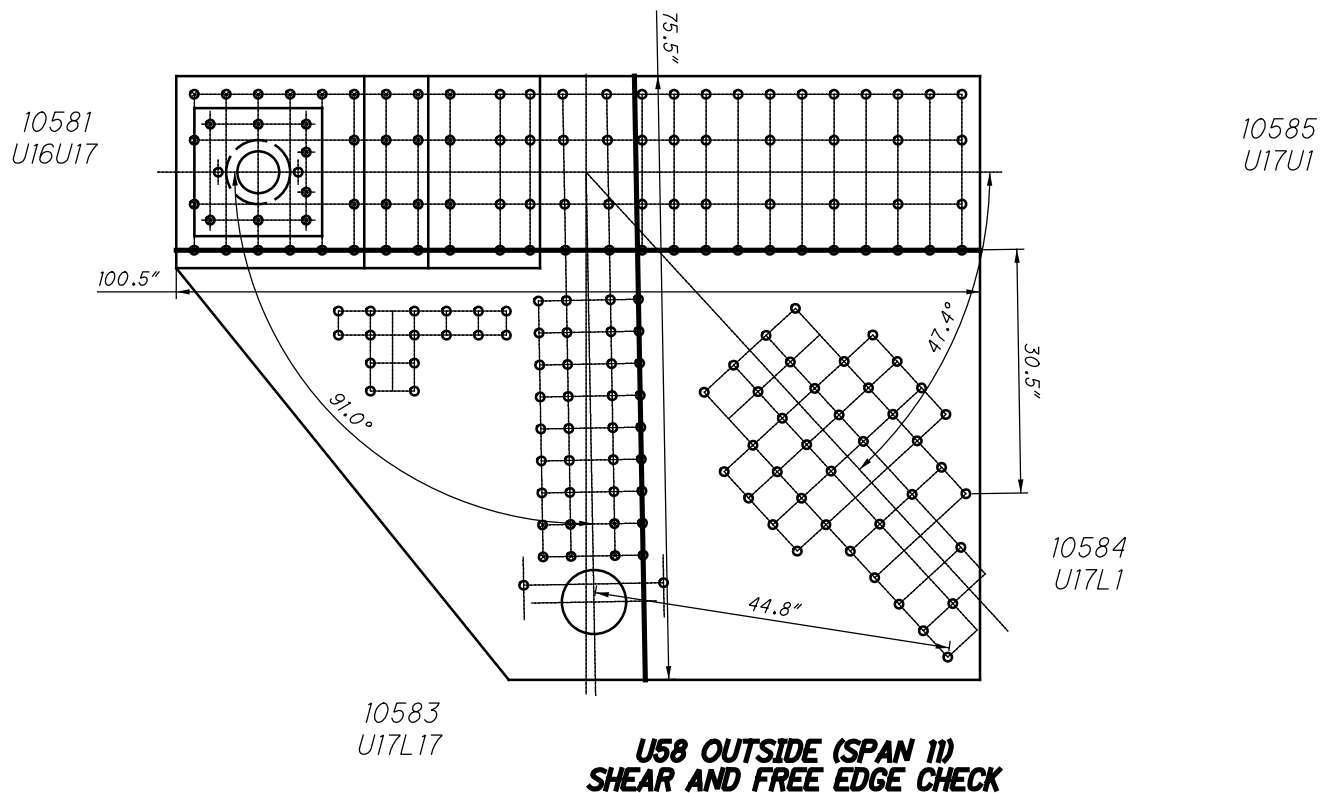
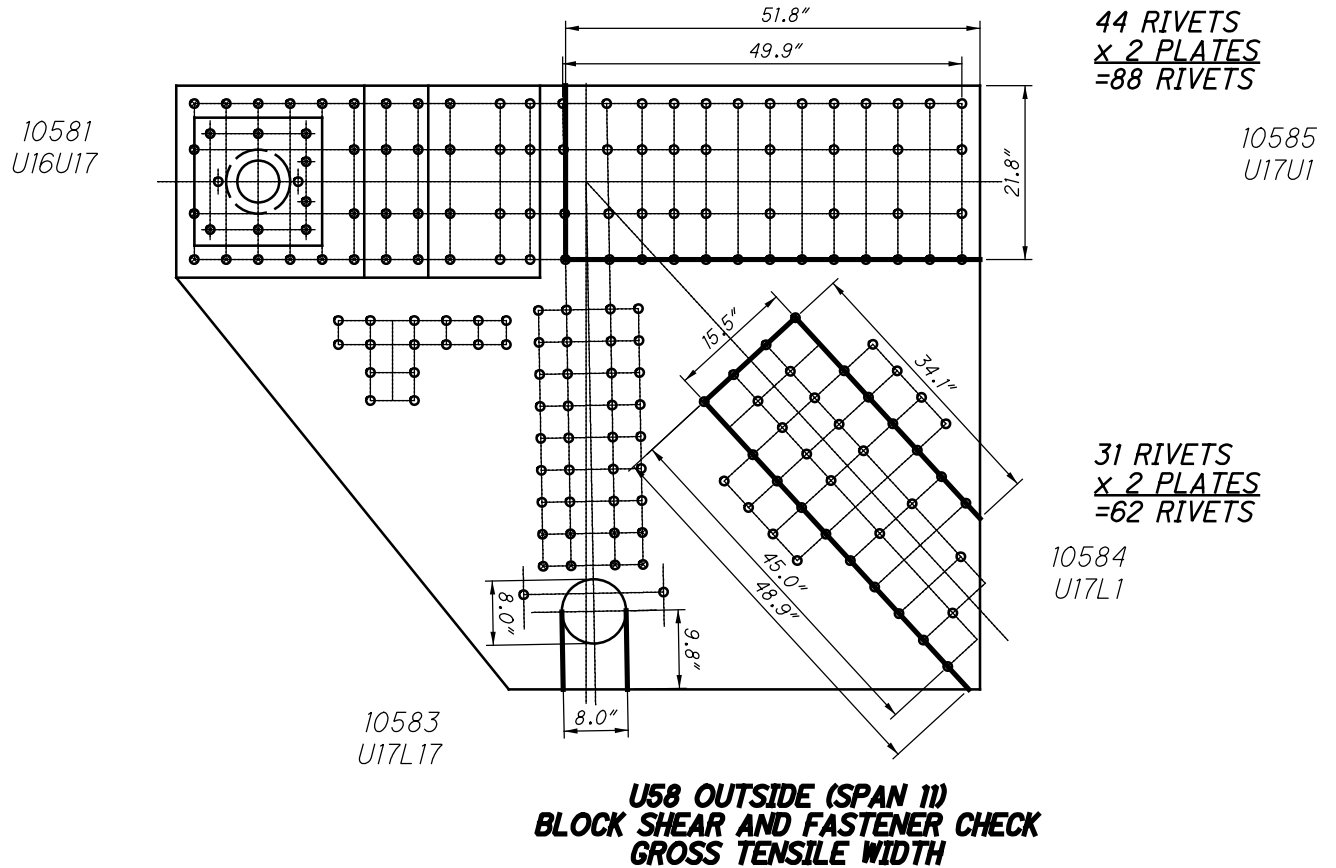
**U58 OUTSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

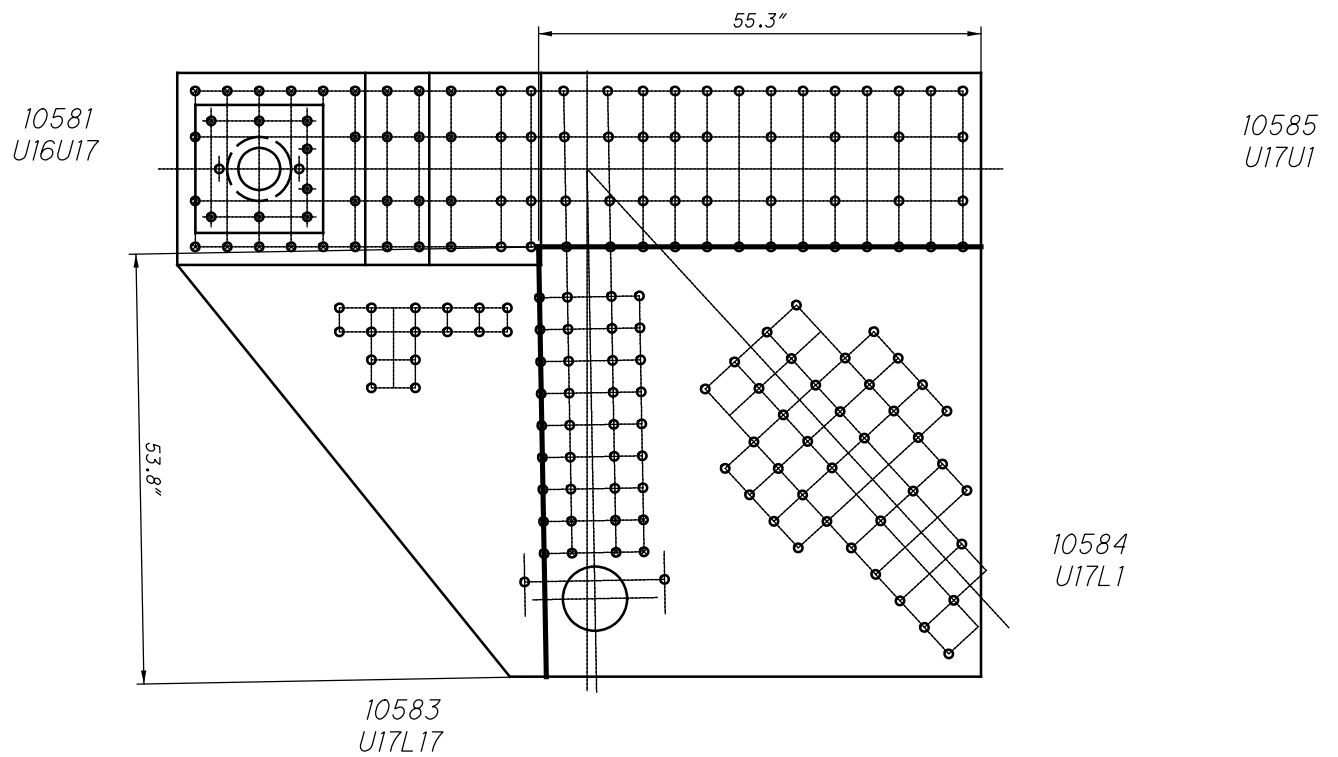


**U58 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

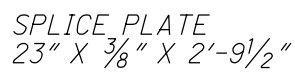


**U58 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



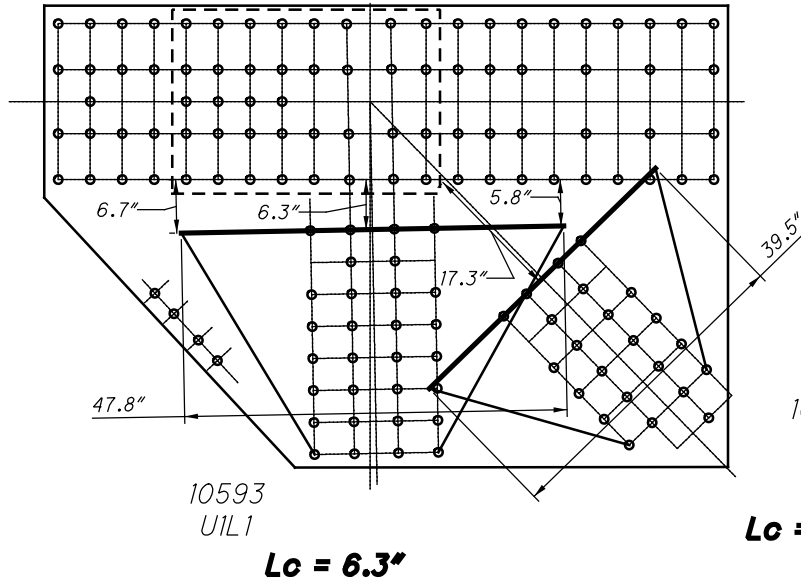


**U58 OUTSIDE (SPAN 11)
QUADRANT DIMENSIONS**



10591
U17U1

10595
U1U2

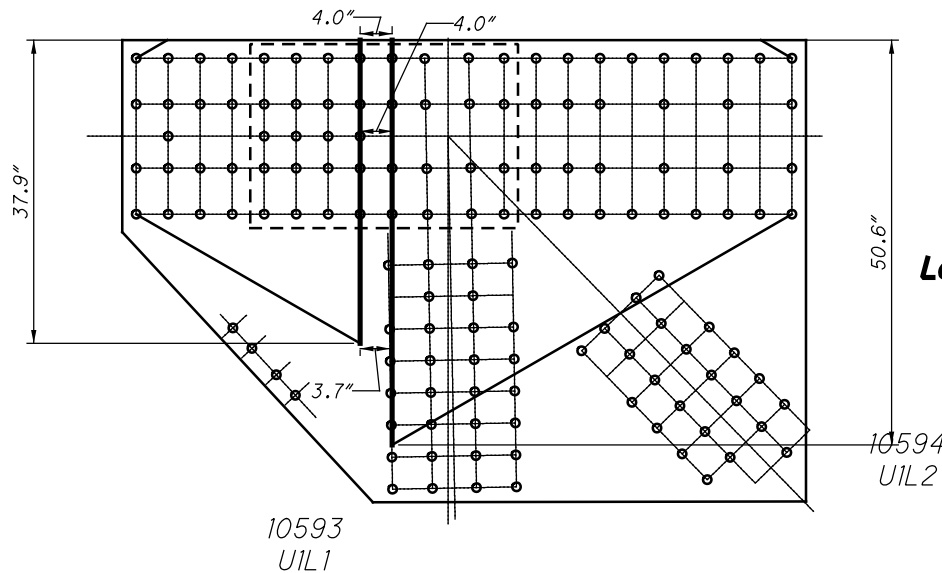


**U59 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10591
U17U1

10595
U1U2

$L_c = 3.9"$



**U59 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

37 RIVETS
x 2 PLATES
=74 RIVETS

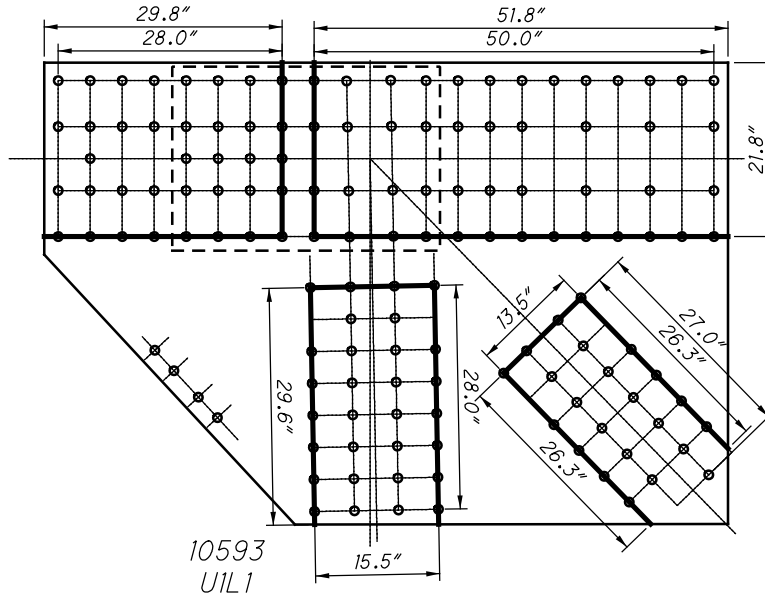
46 RIVETS
x 2 PLATES
=92 RIVETS

10591
U17U1

10595
U1U2

20 SPLICE P
x 2 PLATES
=40 RIVETS

16 SPLICE P
x 2 PLATES
=32 RIVETS



23 RIVETS
x 2 PLATES
=46 RIVETS

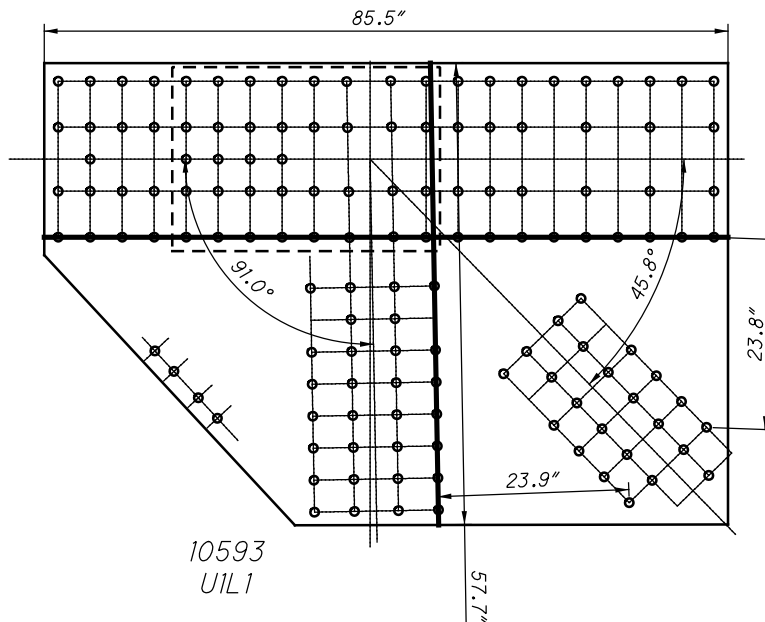
10594
U1L2

30 RIVETS
x 2 PLATES
=60 RIVETS

**U59 OUTSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

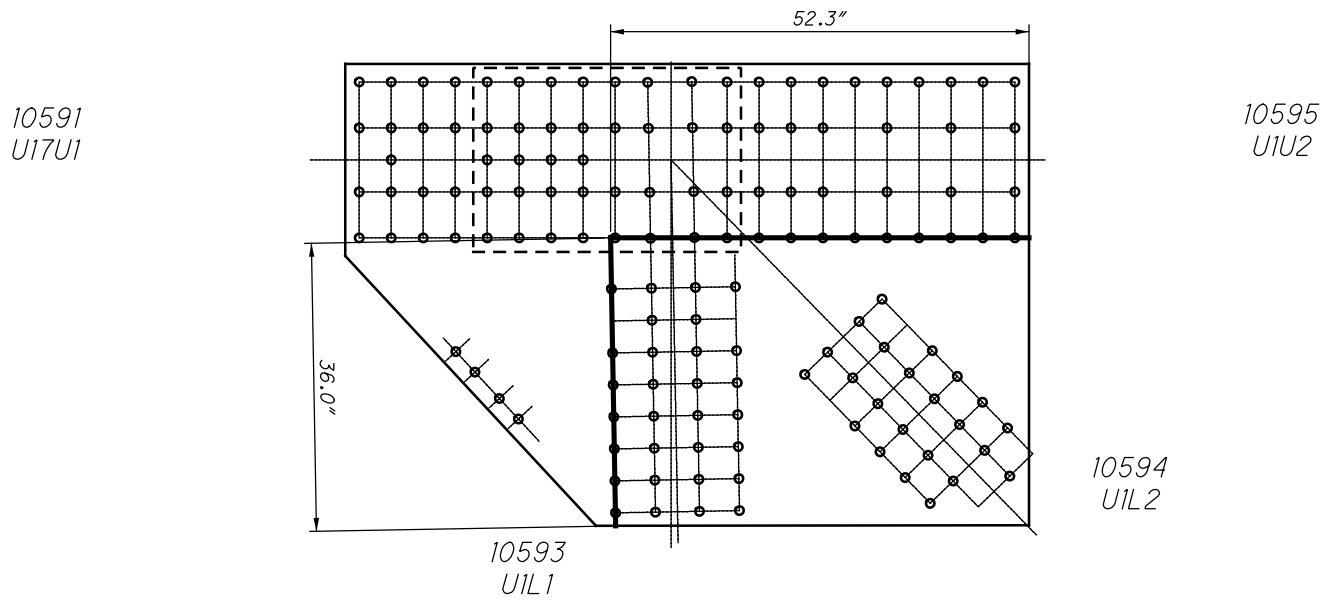
10591
U17U1

10595
U1U2

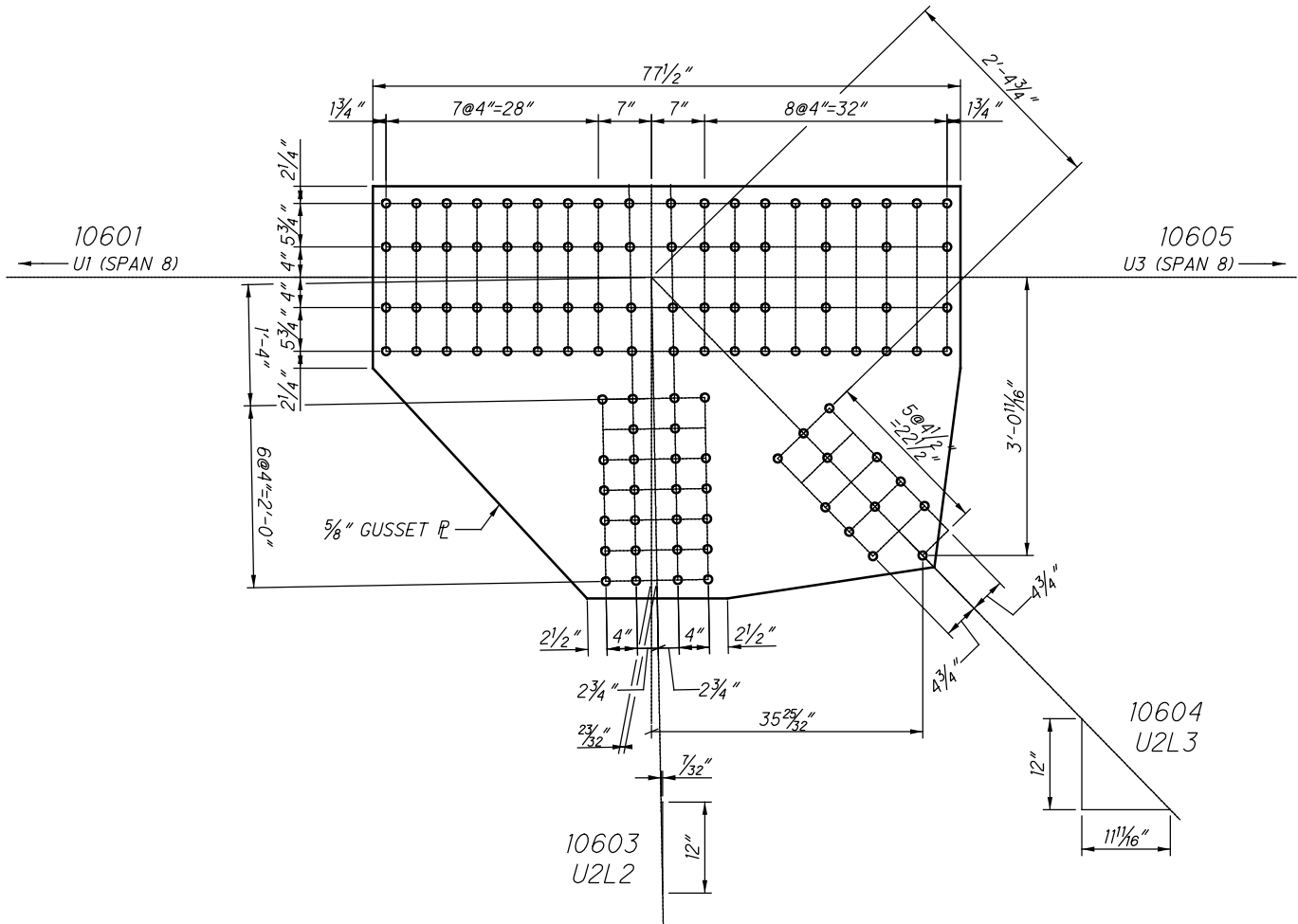


10594
U1L2

**U59 OUTSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**



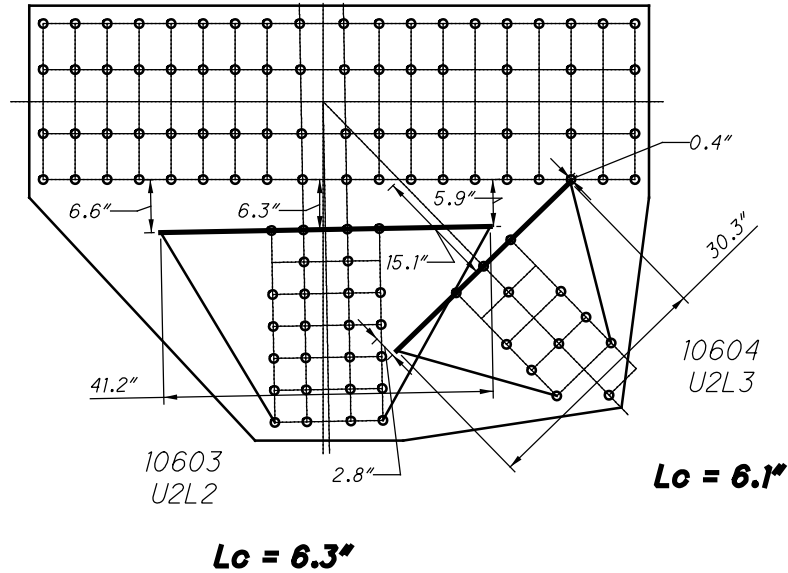
**U59 OUTSIDE (SPAN 11)
QUADRANT DIMENSIONS**



**U60 OUTSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

10601
U1U2

10605
U2U3

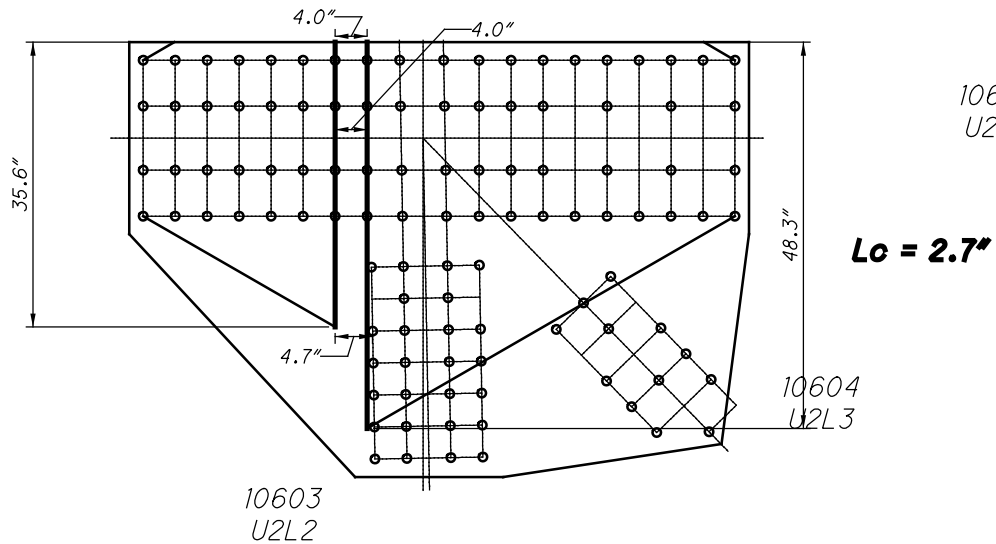


**U60 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10601
U1U2

10605
U2U3

$L_c = 4.2''$



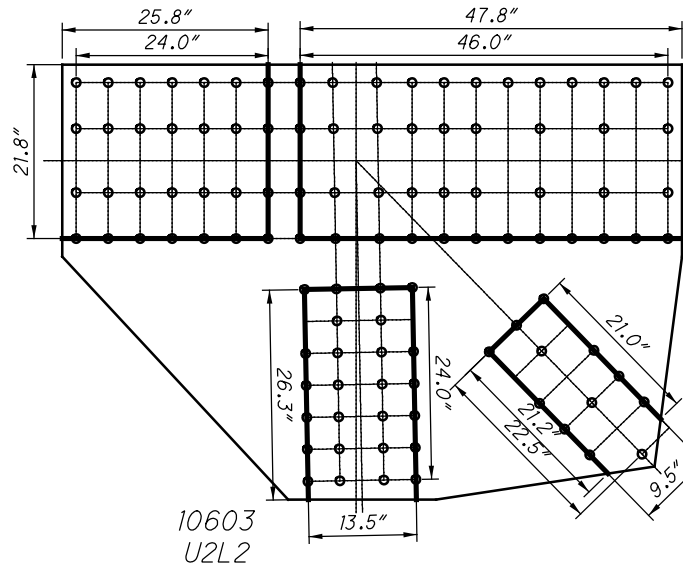
**U60 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

28 RIVETS
x 2 PLATES
=56 RIVETS

10601
U1U2

42 RIVETS
x 2 PLATES
=84 RIVETS

10605
U2U3



10603
U2L2

10604
U2L3

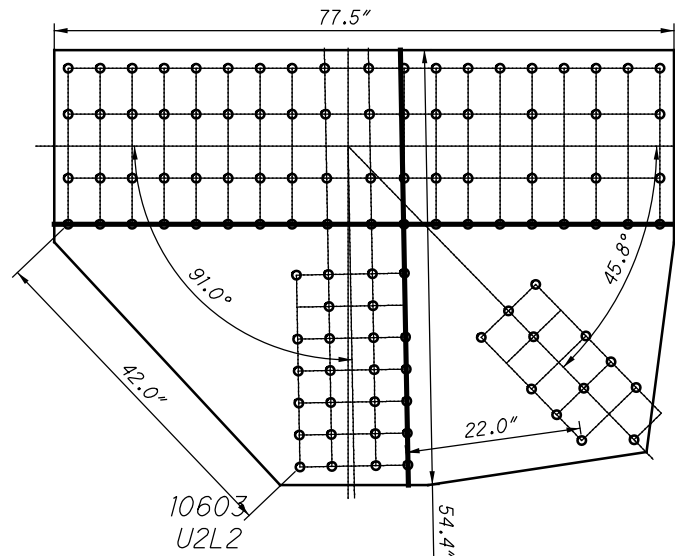
26 RIVETS
x 2 PLATES
=52 RIVETS

12 RIVETS
x 2 PLATES
=24 RIVETS

**U60 OUTSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10601
U1U2

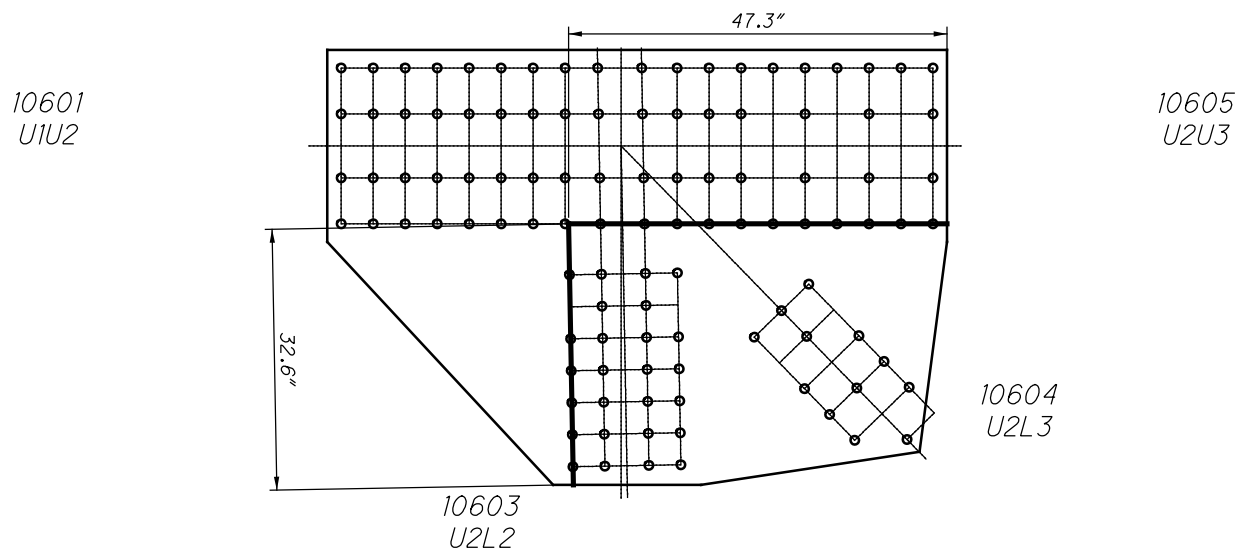
10605
U2U3



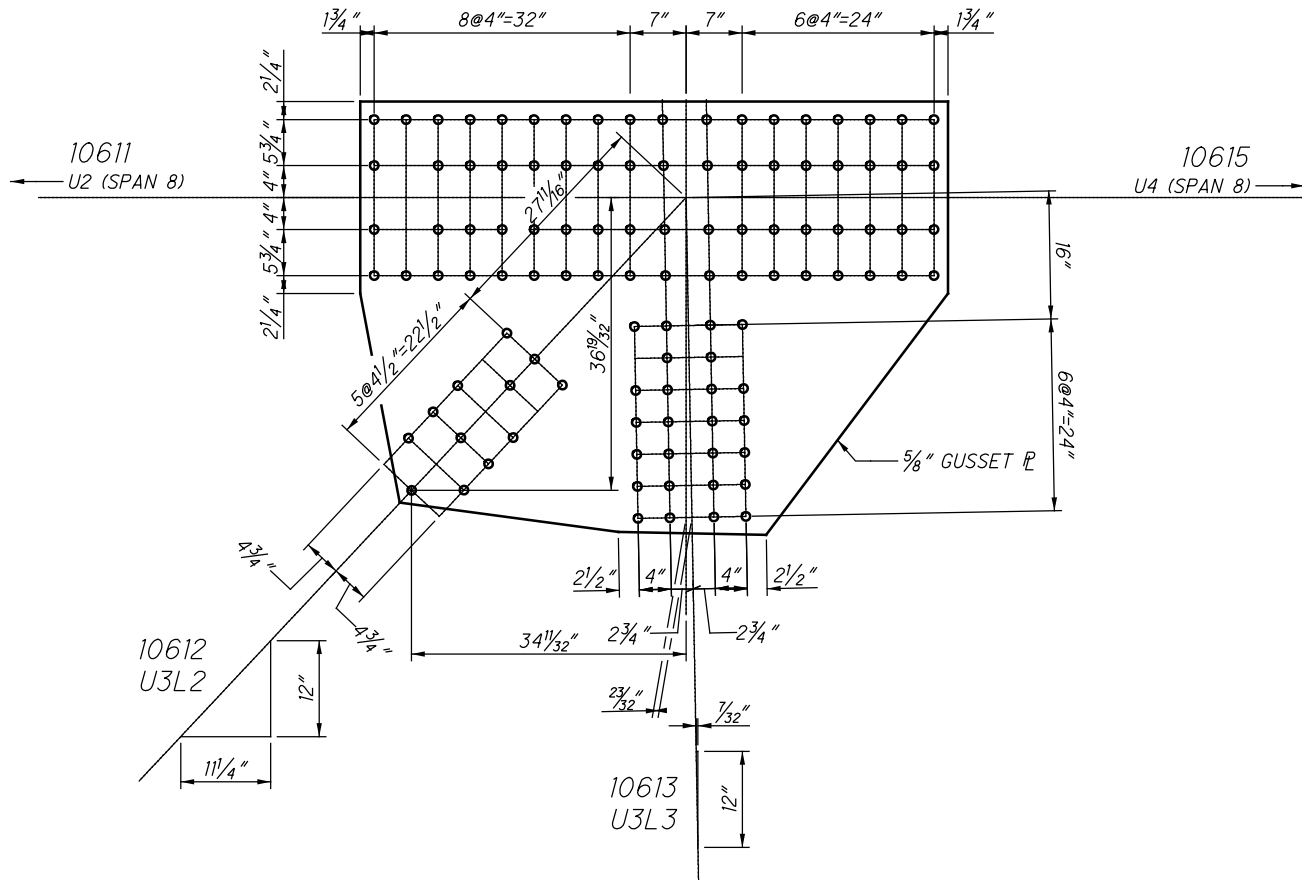
10603
U2L2

10604
U2L3

**U60 OUTSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**



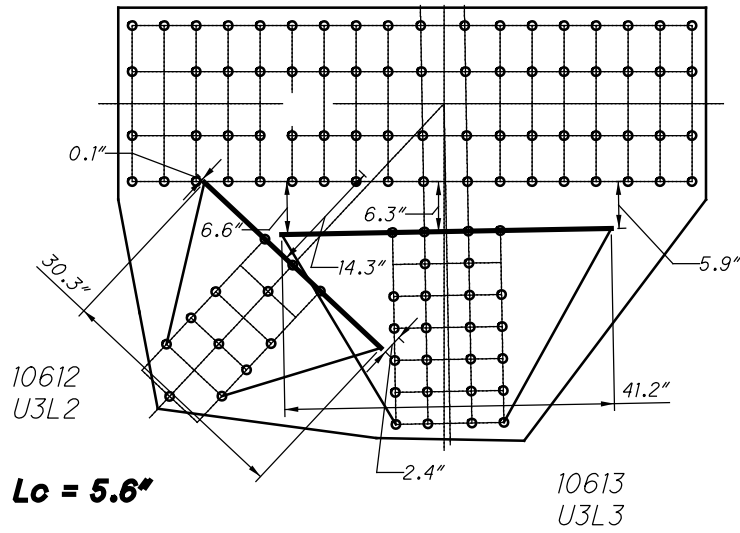
**U60 OUTSIDE (SPAN 11)
QUADRANT DIMENSIONS**



**U61 OUTSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

10611
U2U3

10615
U3U4



$L_c = 5.6"$

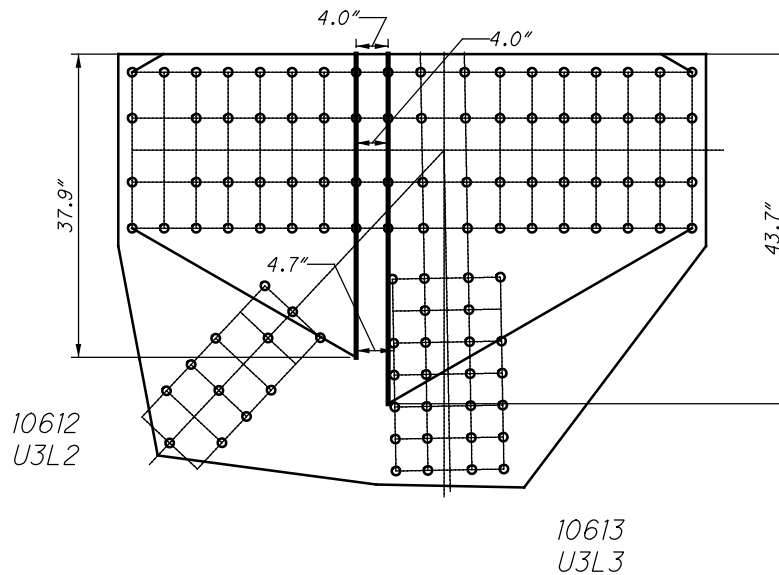
$L_c = 6.3"$

**U61 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10611
U2U3

10615
U3U4

$L_c = 4.2"$



$L_c = 2.7"$

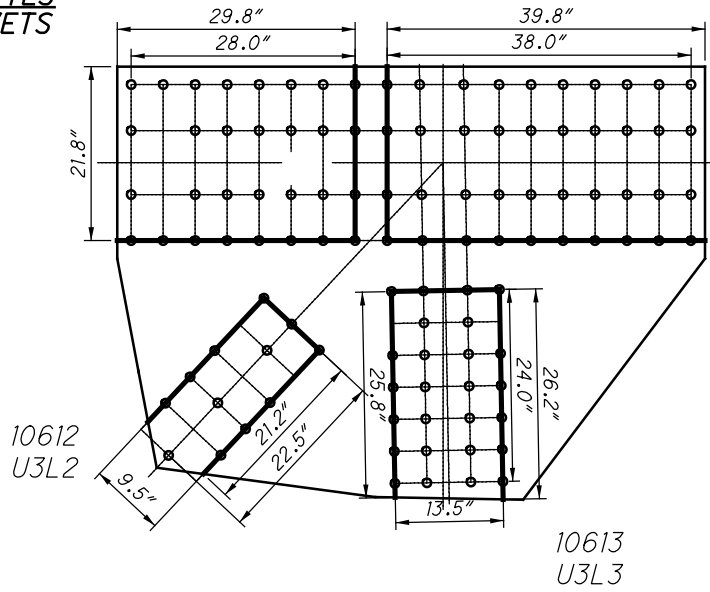
**U61 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

30 RIVETS
x 2 PLATES
=60 RIVETS

40 RIVETS
x 2 PLATES
=80 RIVETS

10611
U2U3

10615
U3U4



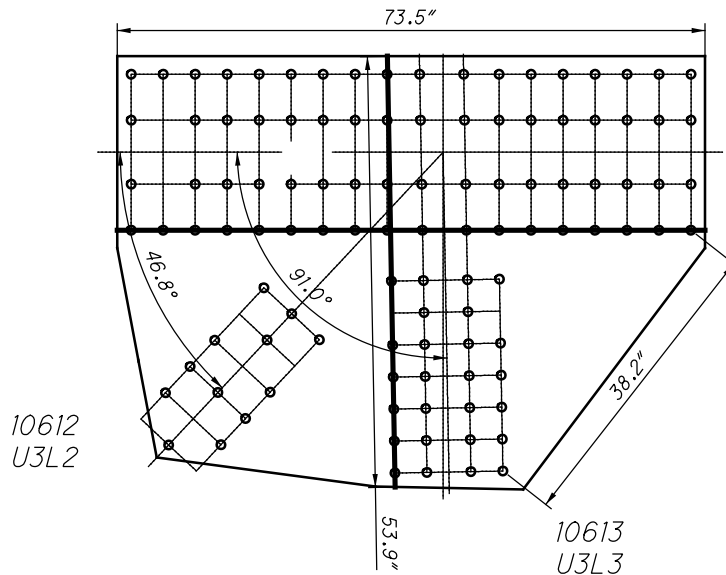
12 RIVETS
x 2 PLATES
=24 RIVETS

26 RIVETS
x 2 PLATES
=52 RIVETS

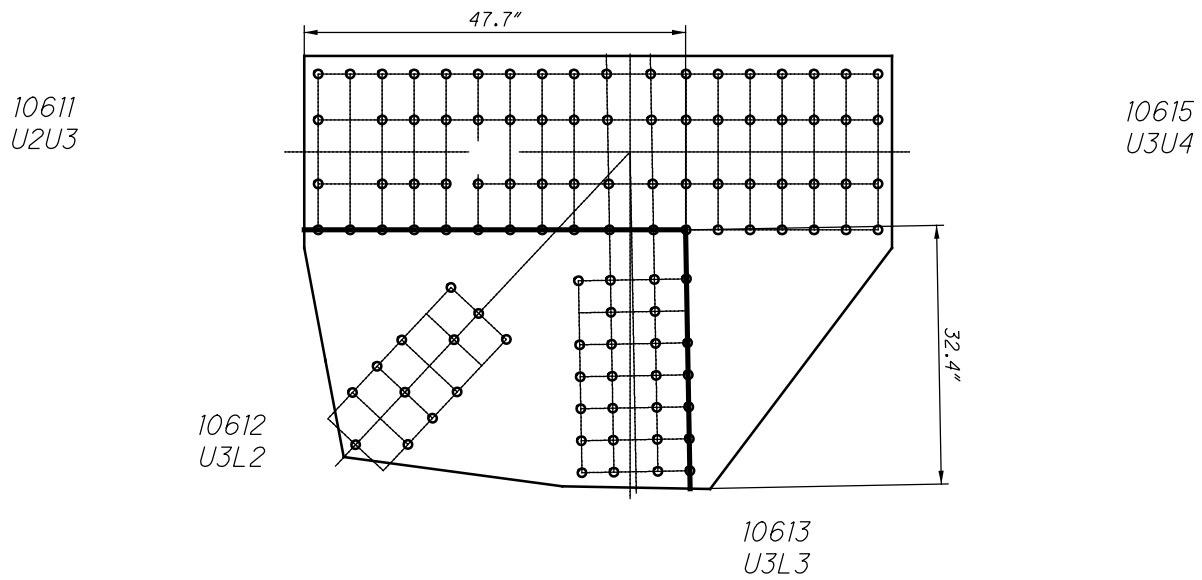
**U61 OUTSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10611
U2U3

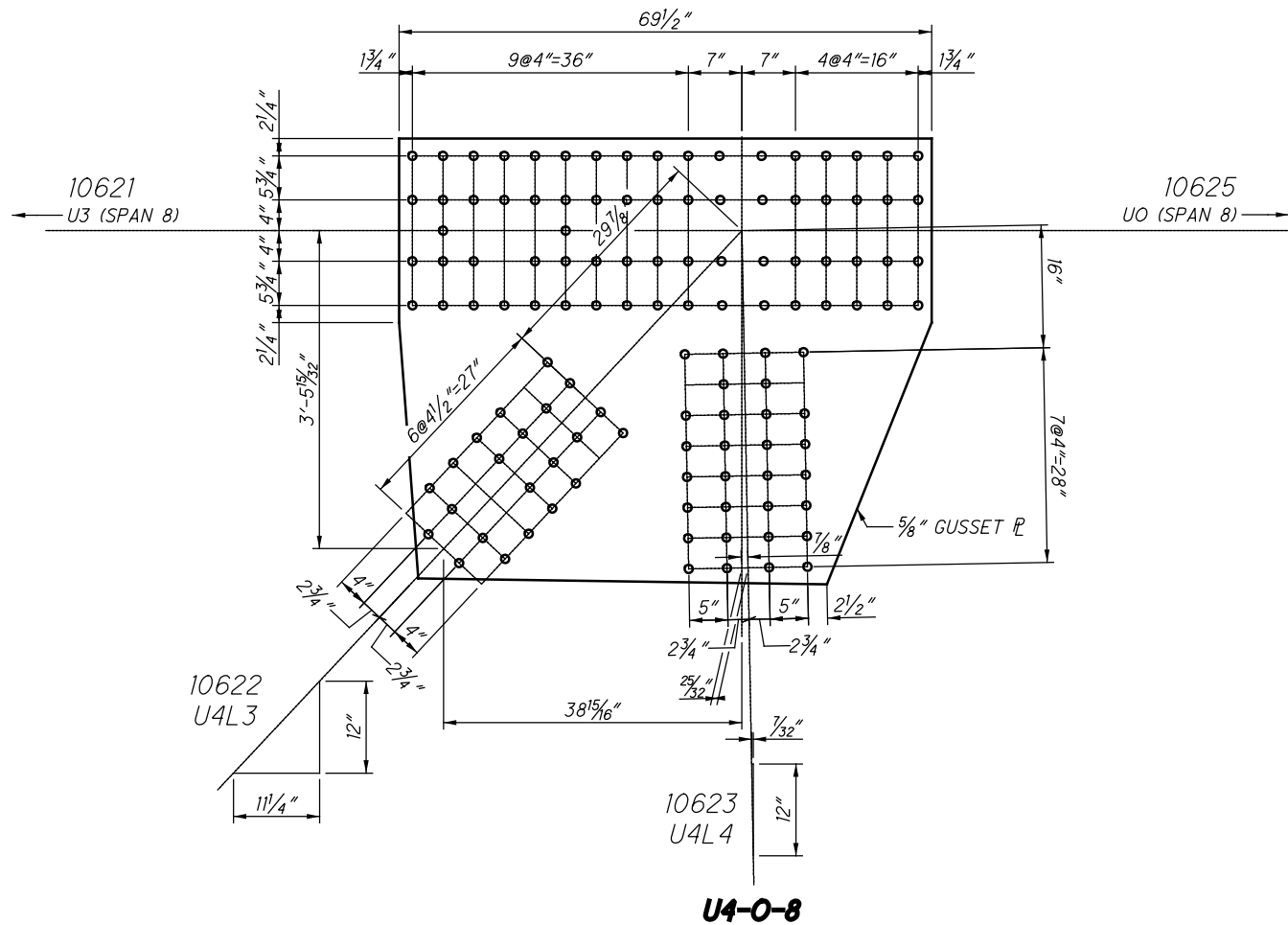
10615
U3U4



**U61 OUTSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**



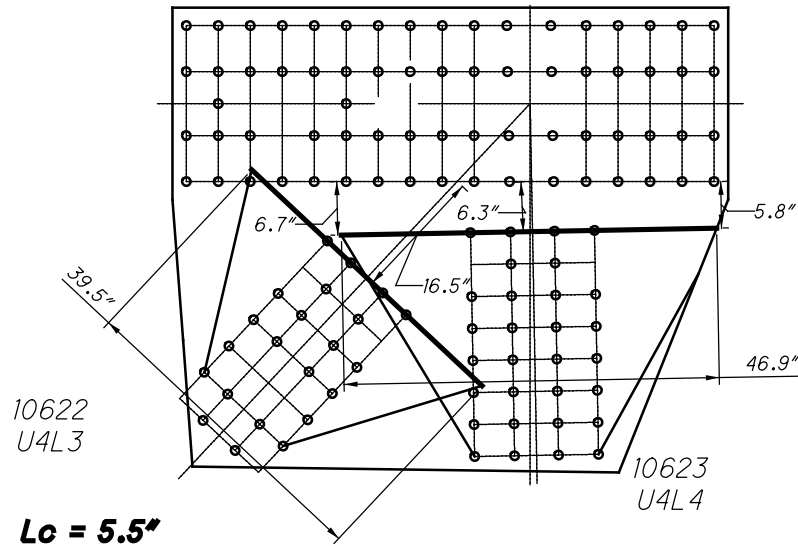
**U61 OUTSIDE (SPAN 11)
QUADRANT DIMENSIONS**



**U62 OUTSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

10621
U3U4

10625
U4U0

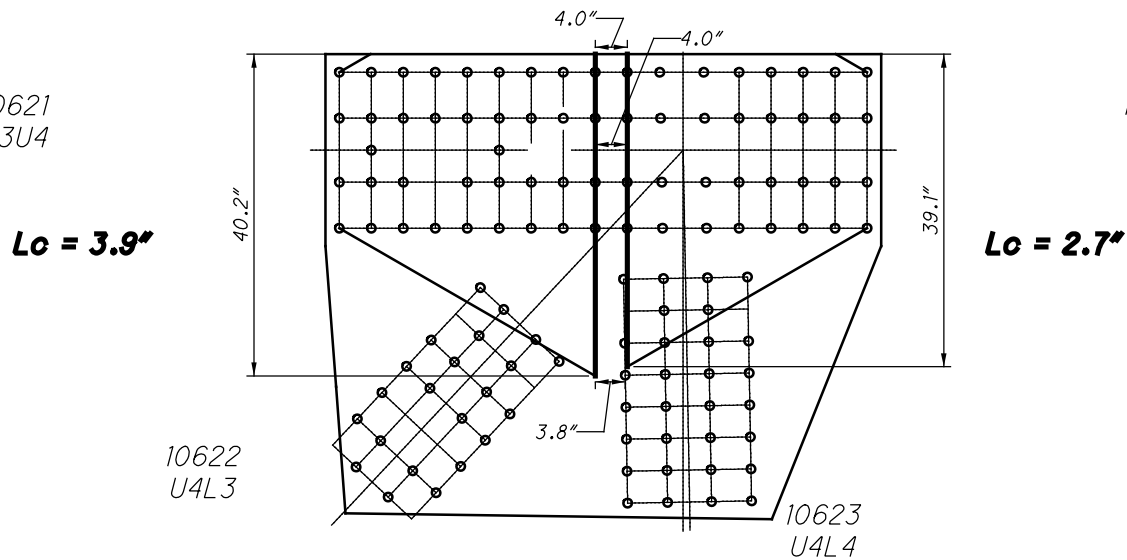


$L_c = 6.3''$

**U62 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10621
U3U4

10625
U4U0



**U62 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

37 RIVETS
x 2 PLATES
=74 RIVETS

10621
U3U4

10622
U4L3

22 RIVETS
x 2 PLATES
=44 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

10625
U4U0

10623
U4L4

30 RIVETS
x 2 PLATES
=60 RIVETS

**U62 OUTSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

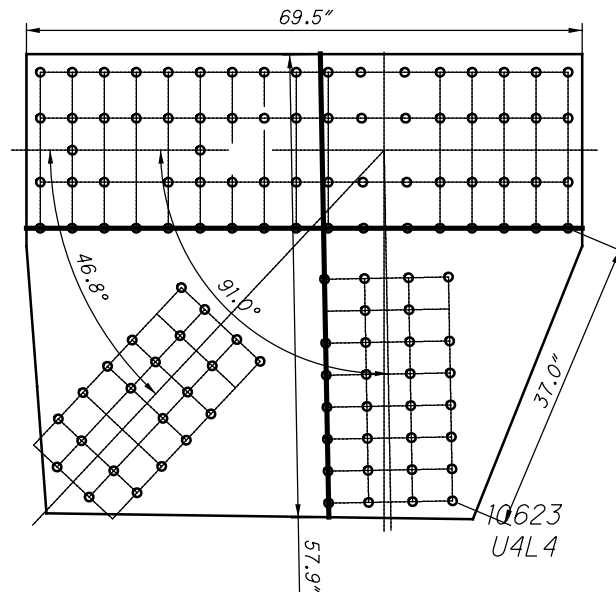
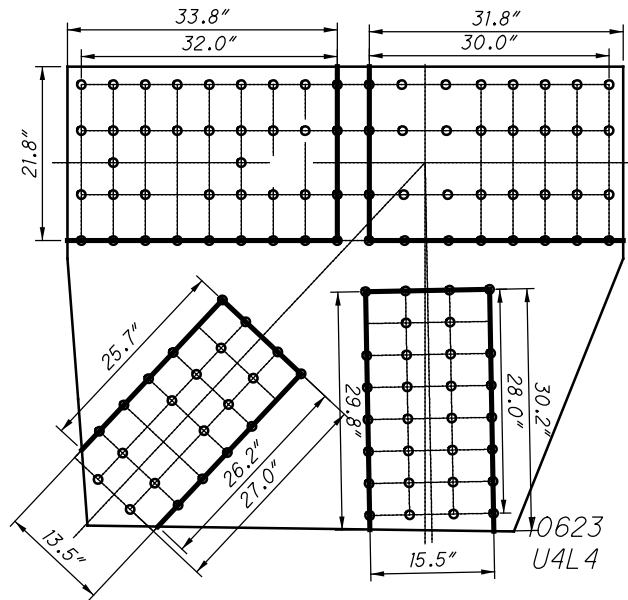
10621
U3U4

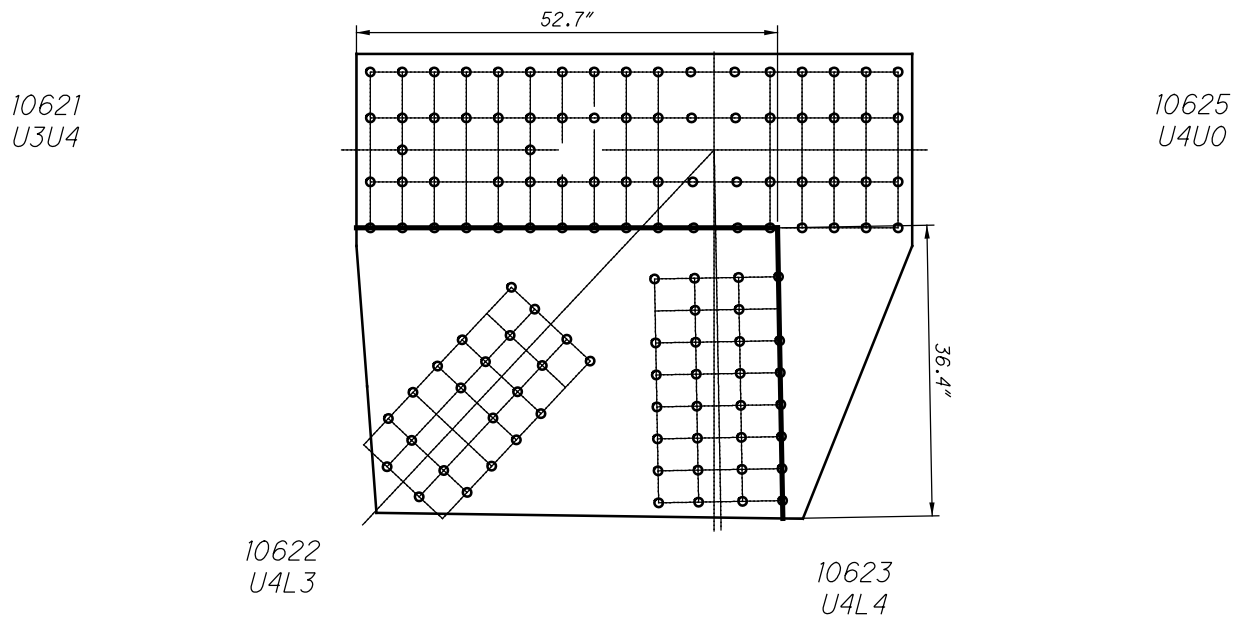
10622
U4L3

10625
U4U0

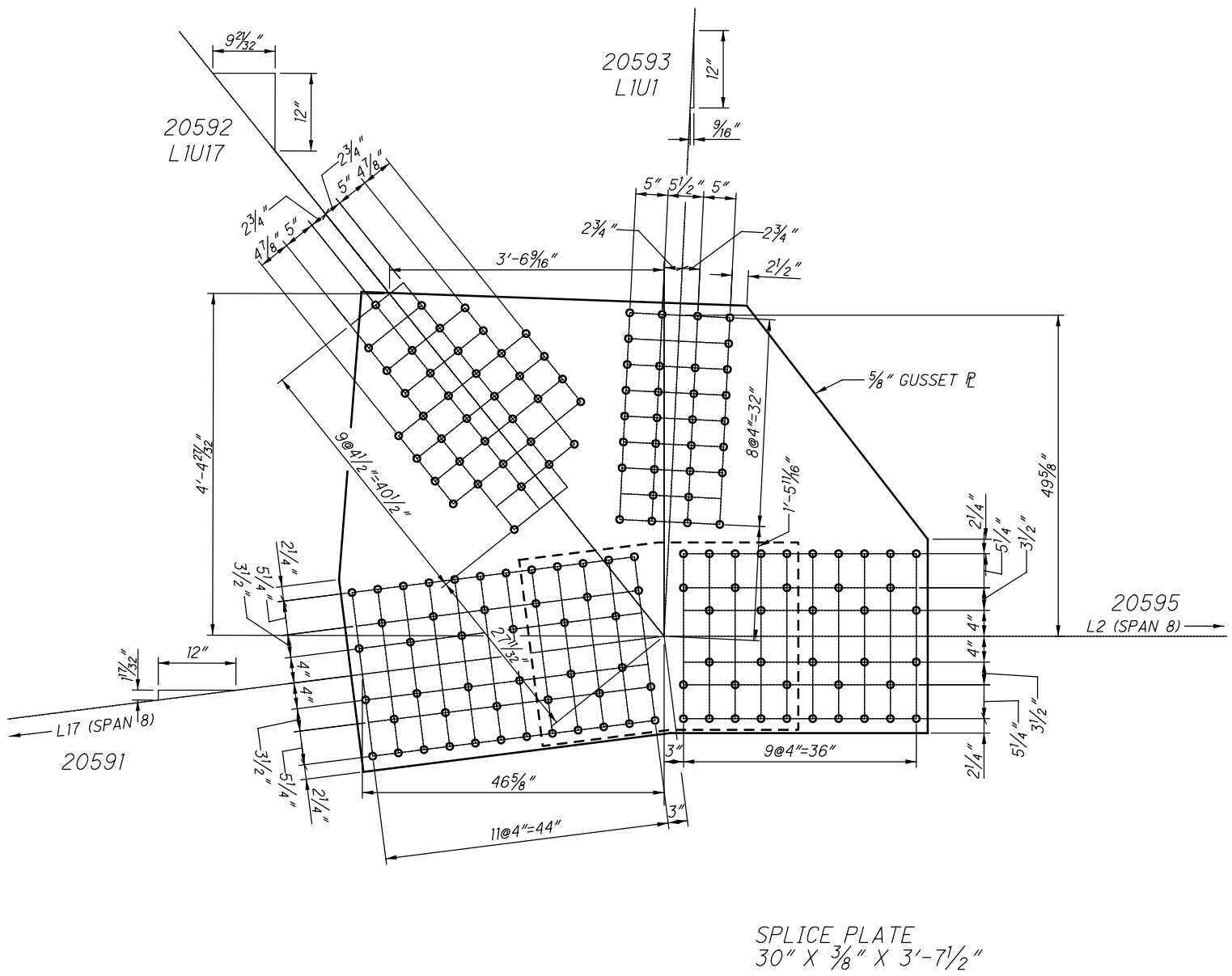
10623
U4L4

**U62 OUTSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**





**U62 OUTSIDE (SPAN 11)
QUADRANT DIMENSIONS**



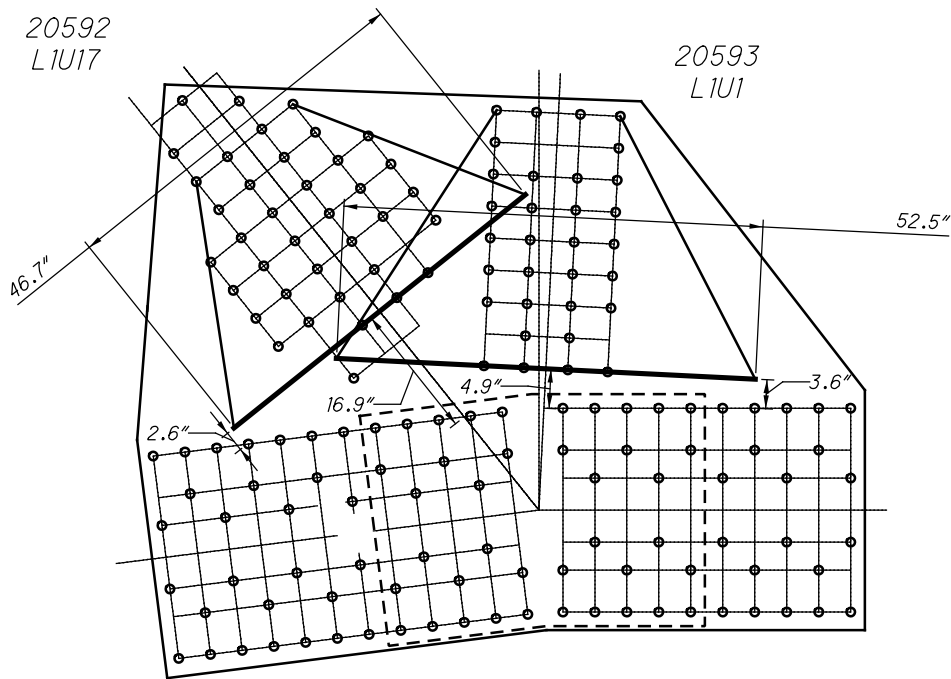
**L59 OUTSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

$L_c = 6.5''$

$L_c = 2.8''$

20592
L1U17

20593
L1U1



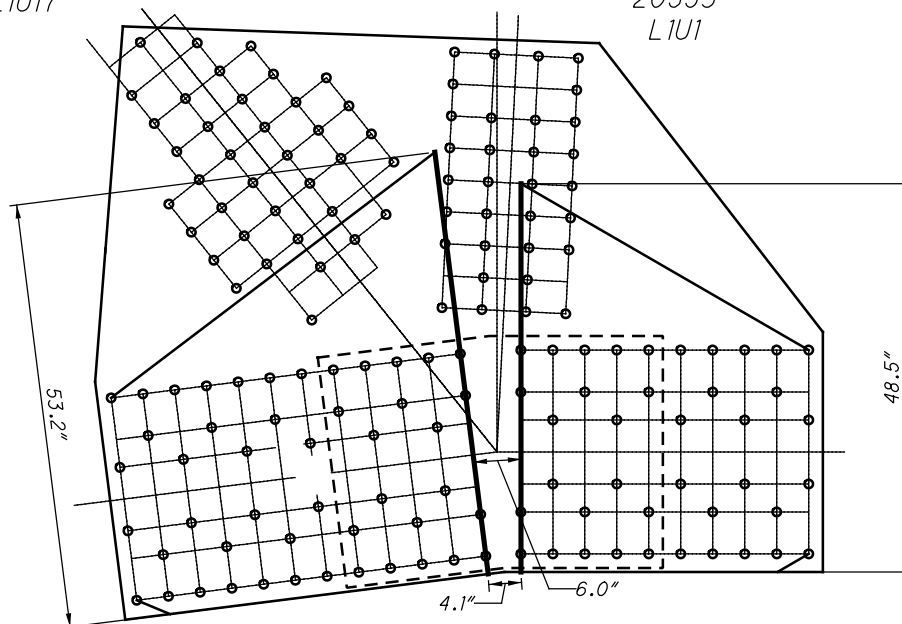
20595
L1L2

20591
L17L1

**L59 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20592
L1U17

20593
L1U1



20595
L1L2

$L_c = 3.4''$

$L_c = 3.4''$

20591
L17L1

**L59 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

30 RIVETS
x 2 PLATES
=60 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

20592
L1U17

20593
L1U1

48 RIVETS
x 2 PLATES
=96 RIVETS

20595
L1L2

40 RIVETS
x 2 PLATES
=80 RIVETS

20591
L17L1

20 SPLICE P
x 2 PLATES
=40 RIVETS

20 SPLICE P
x 2 PLATES
=40 RIVETS

**L59 OUTSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

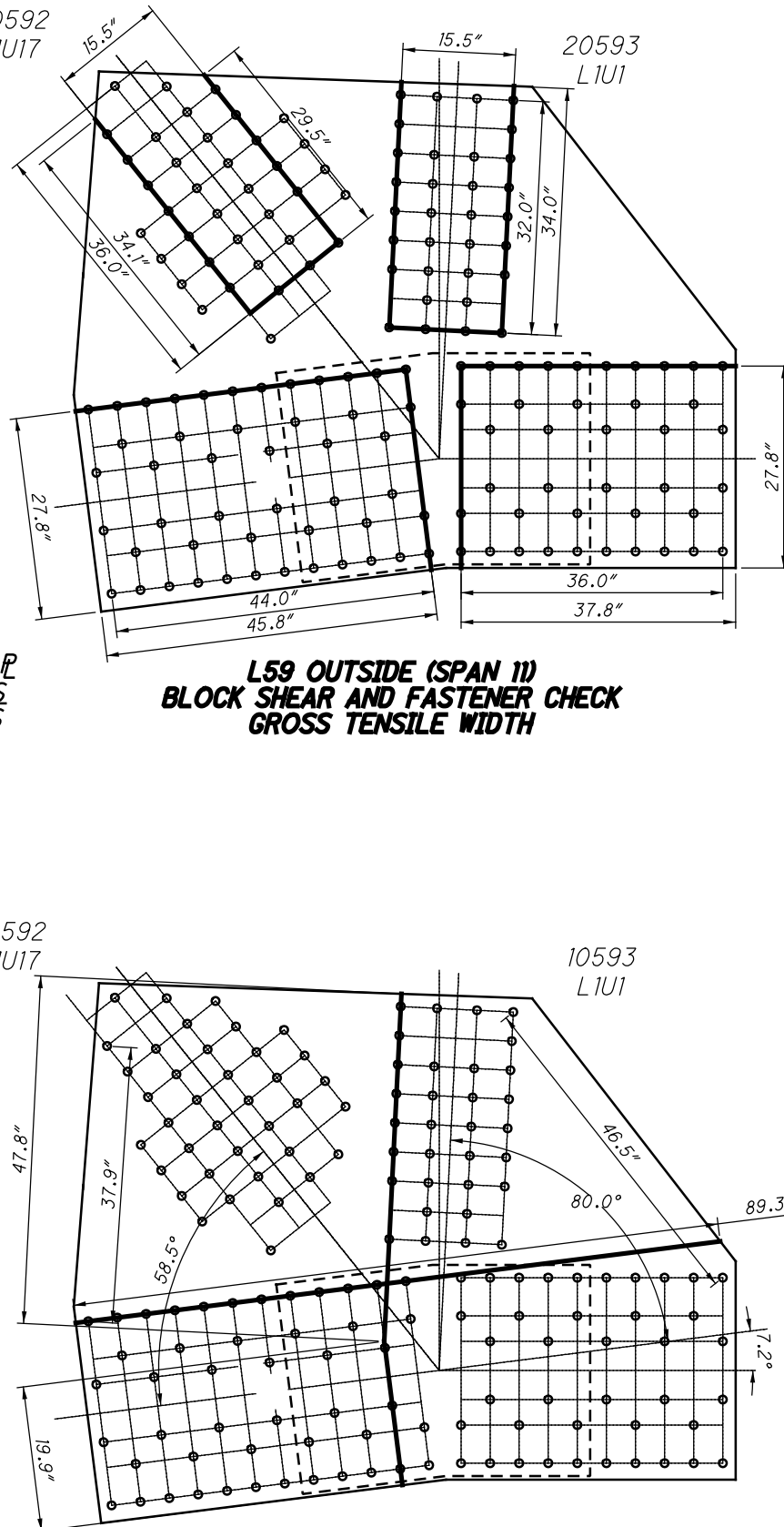
10592
L1U17

10593
L1U1

10595
L1L2

10591
L17L1

**L59 OUTSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**



20592
L1U17

20593
L1U1

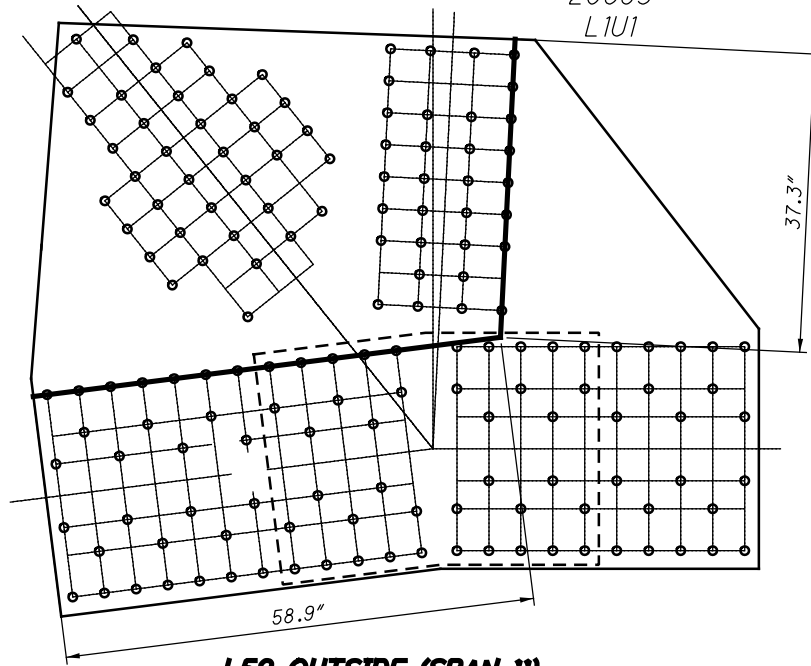
37.3"

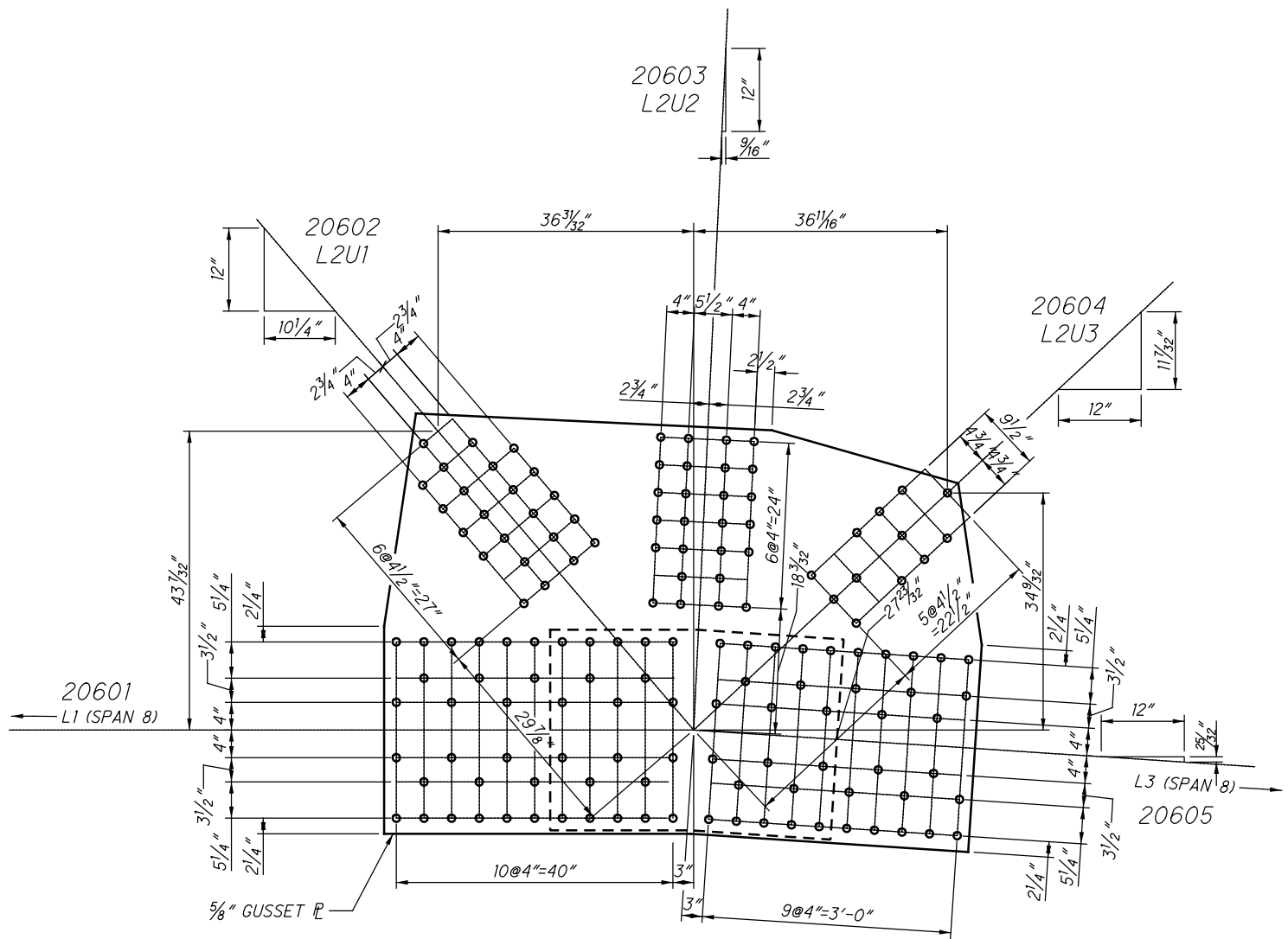
20595
L1L2

20591
L17L1

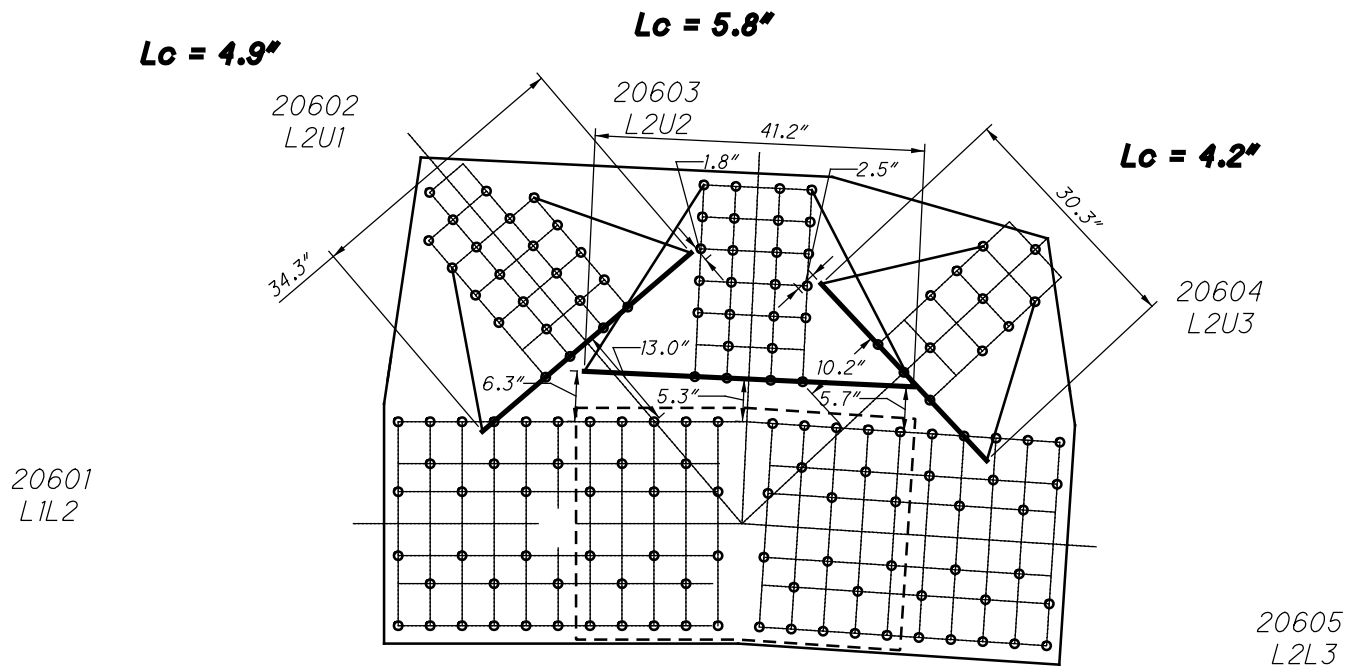
58.9"

**L59 OUTSIDE (SPAN 11)
QUADRANT DIMENSIONS**

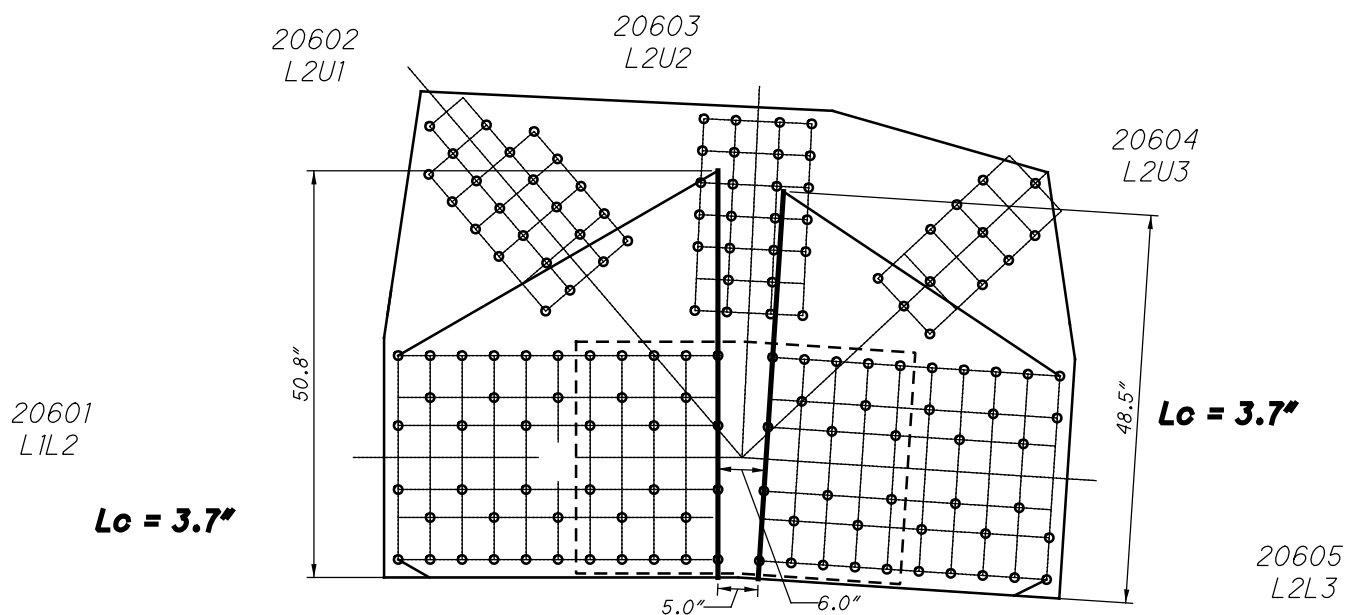




**L60 OUTSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**



**L60 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L60 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

23 RIVETS
x 2 PLATES
=46 RIVETS

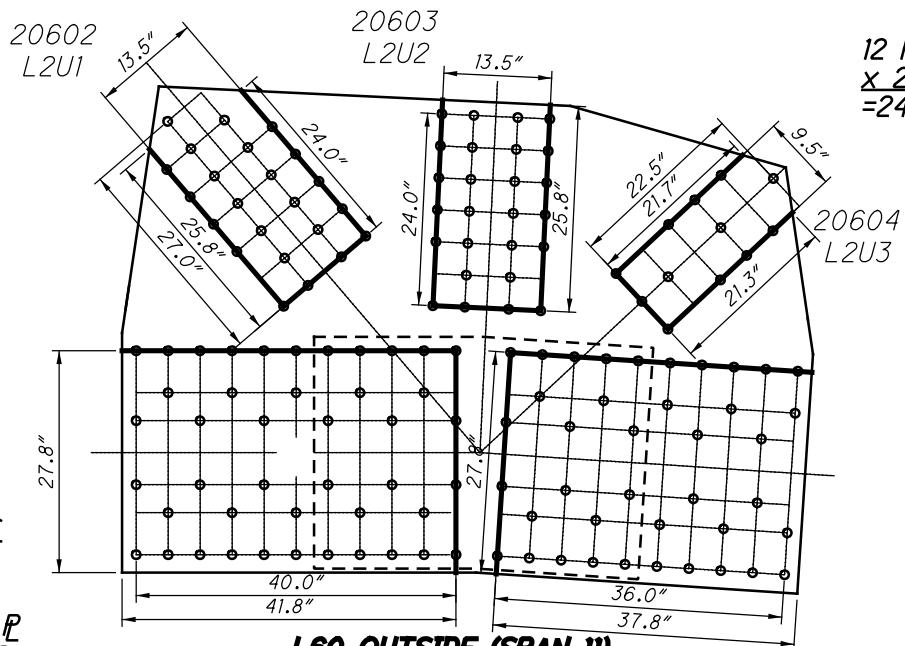
26 RIVETS
x 2 PLATES
=52 RIVETS

12 RIVETS
x 2 PLATES
=24 RIVETS

20601
L1L2

44 RIVETS
x 2 PLATES
=88 RIVETS

20 SPLICE P
x 2 PLATES
=40 RIVETS



**L60 OUTSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

40 RIVETS
x 2 PLATES
=80 RIVETS

20605
L2L3

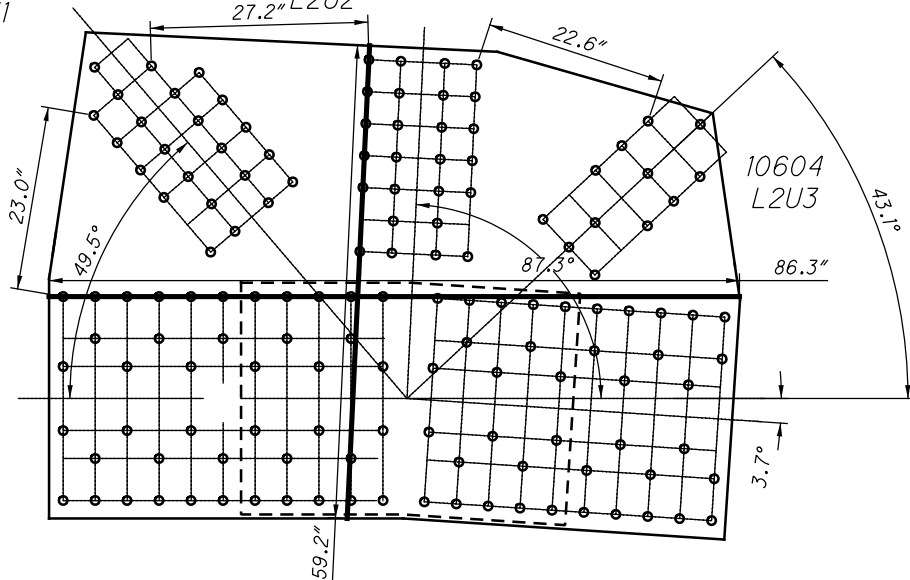
20 SPLICE P
x 2 PLATES
=40 RIVETS

10602
L2U1

10603
L2U2

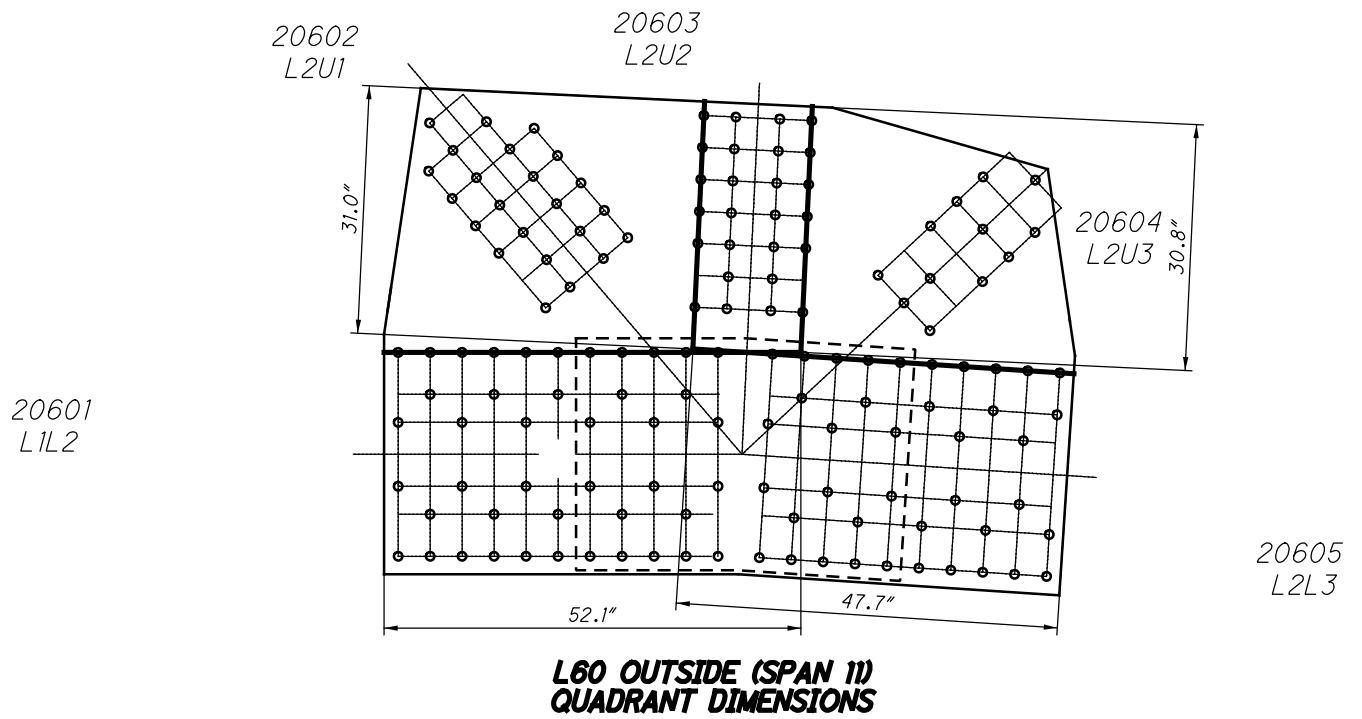
10604
L2U3

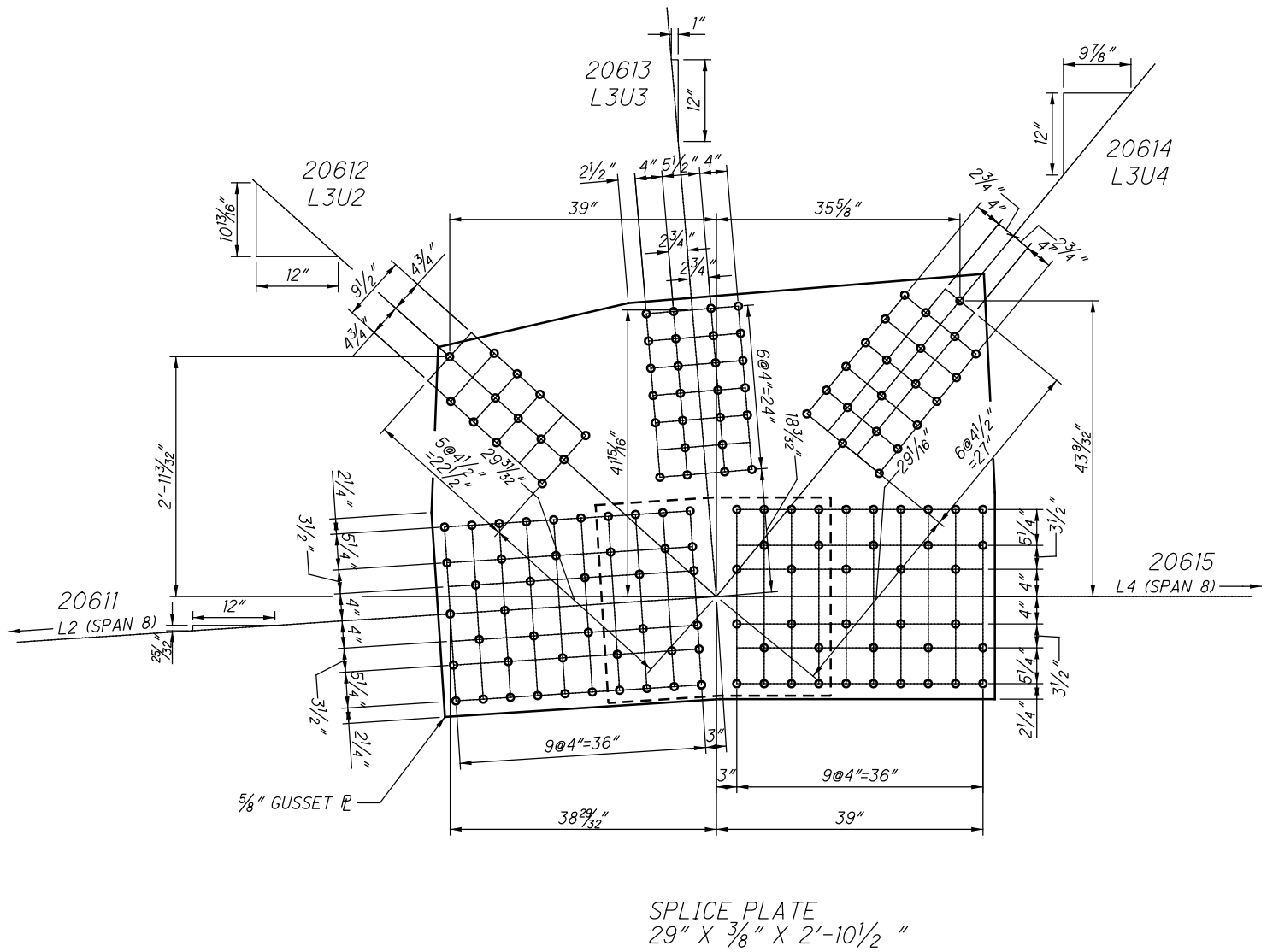
10601
L1L2



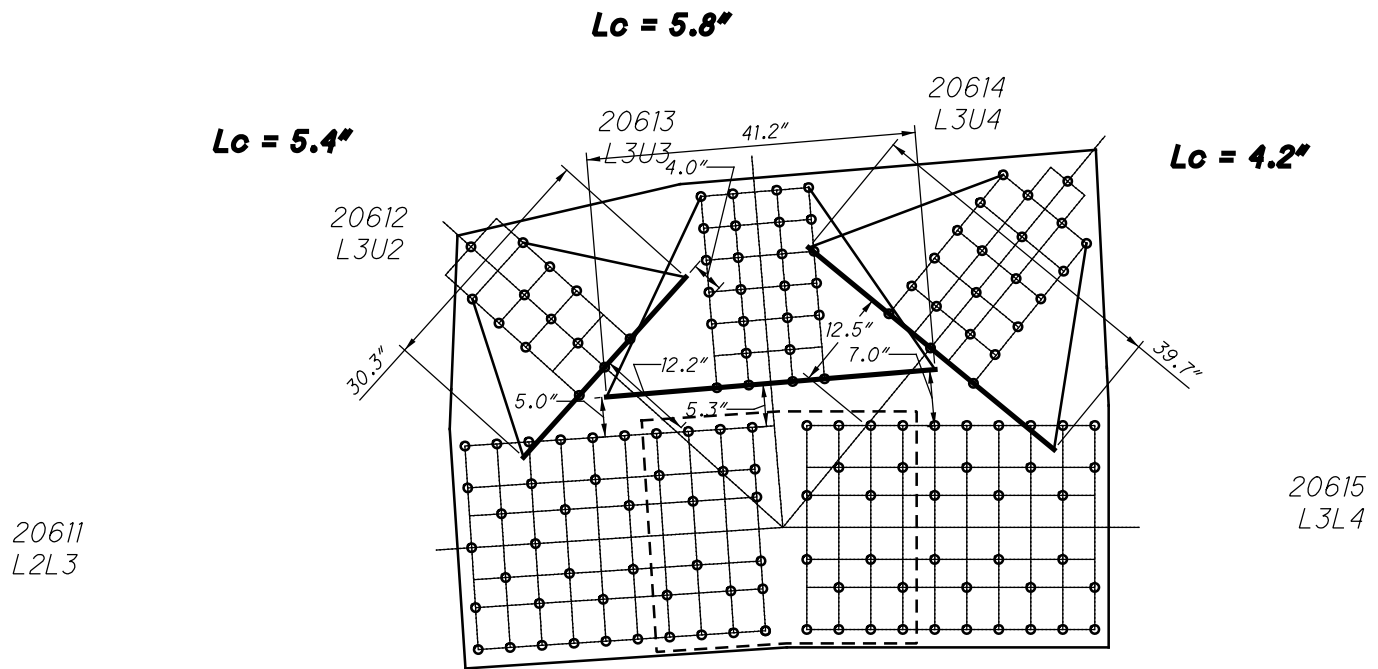
**L60 OUTSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**

10605
L2L3

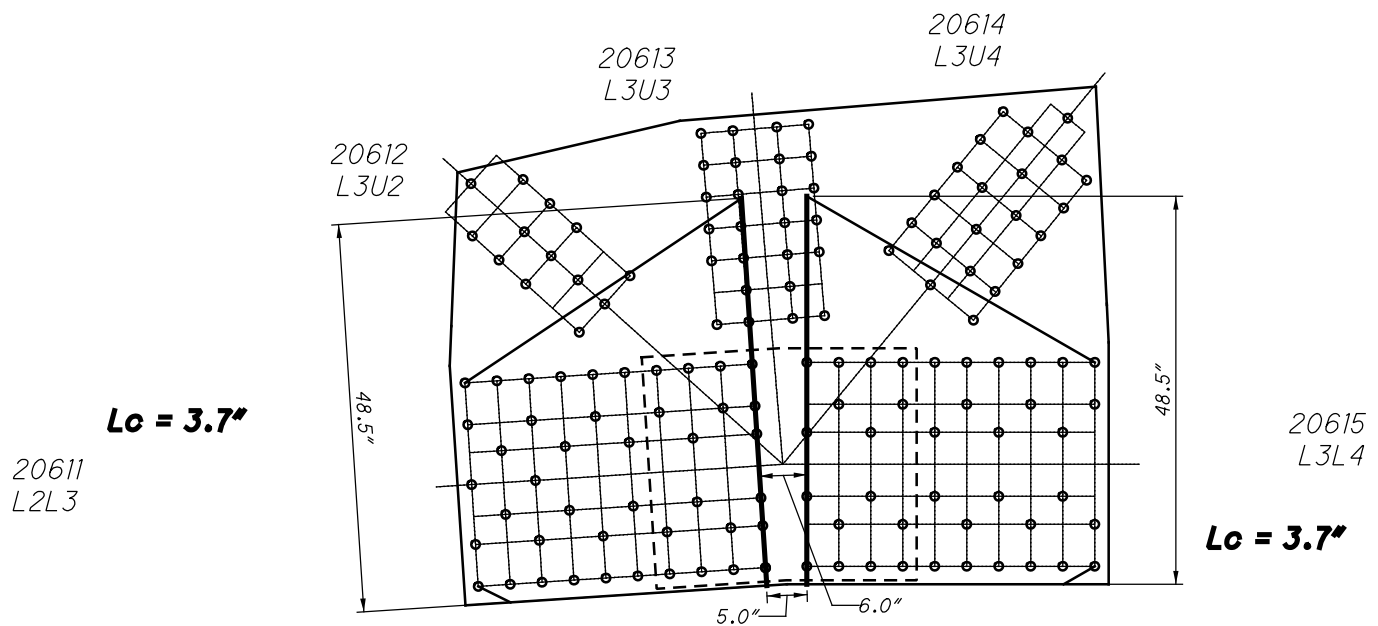




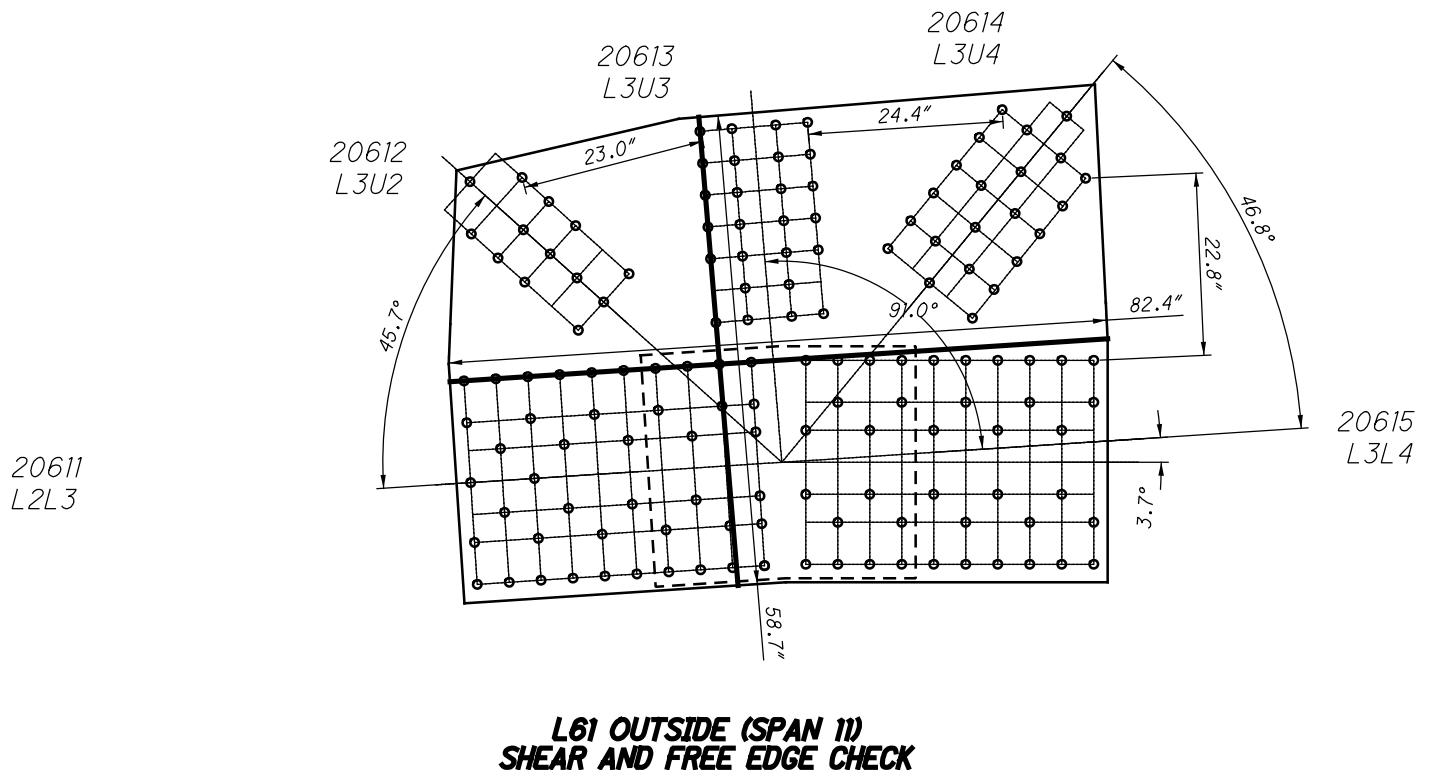
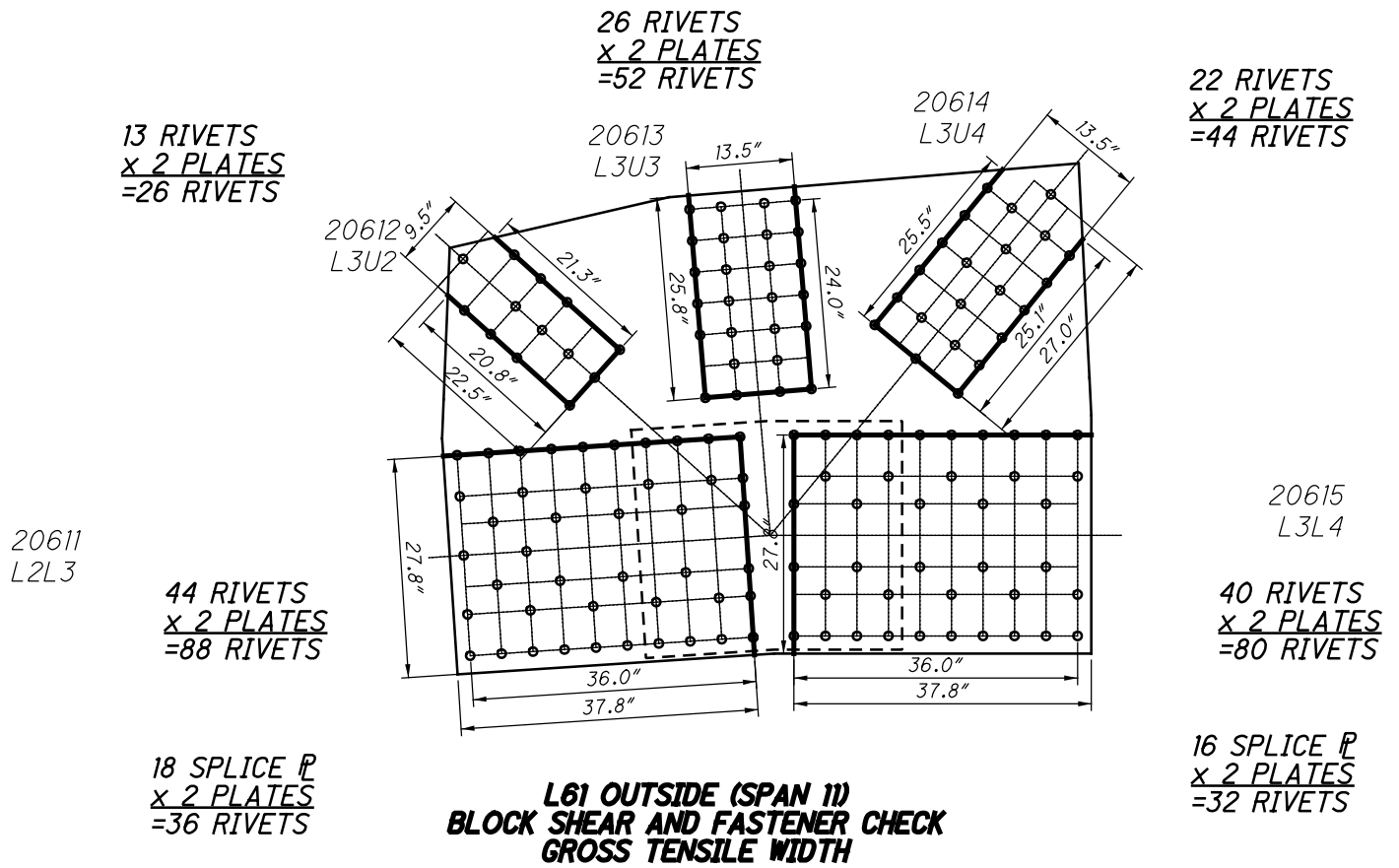
**L61 OUTSIDE (SPAN 11)
(NEAR SIDE AND FAR SIDE)**

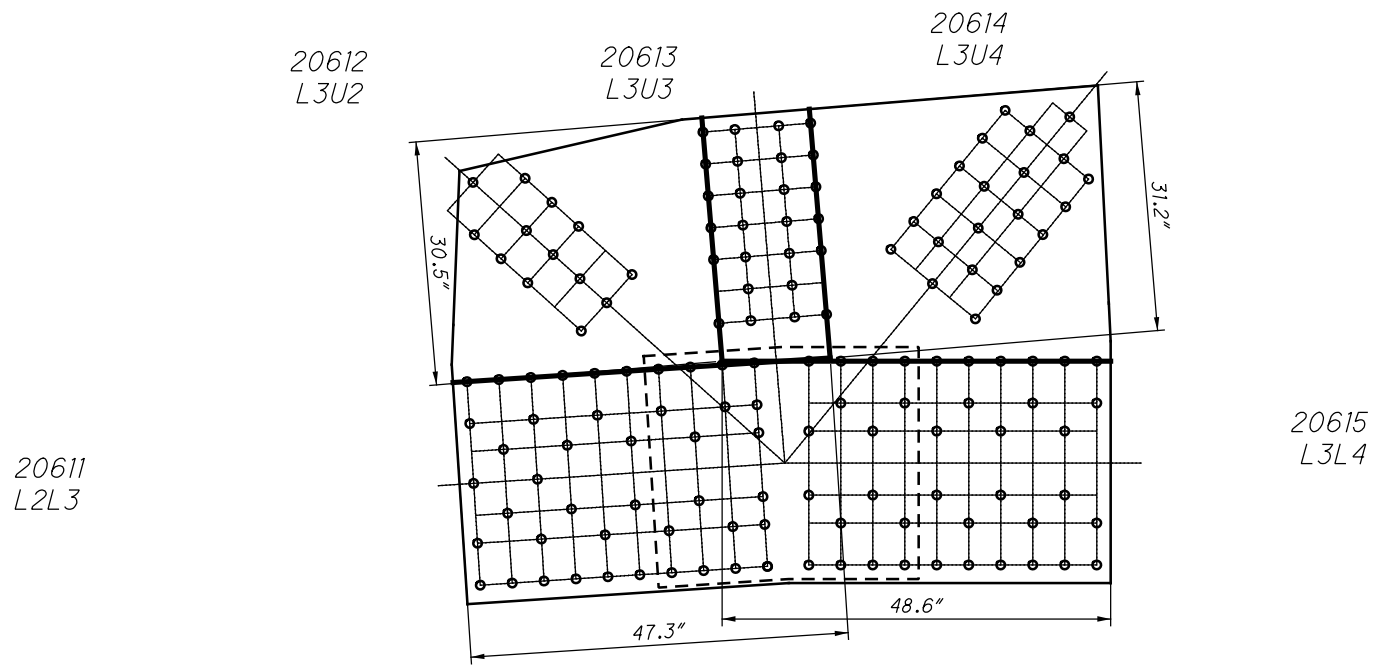


**L61 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L61 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**





**L61 OUTSIDE (SPAN 11)
QUADRANT DIMENSIONS**

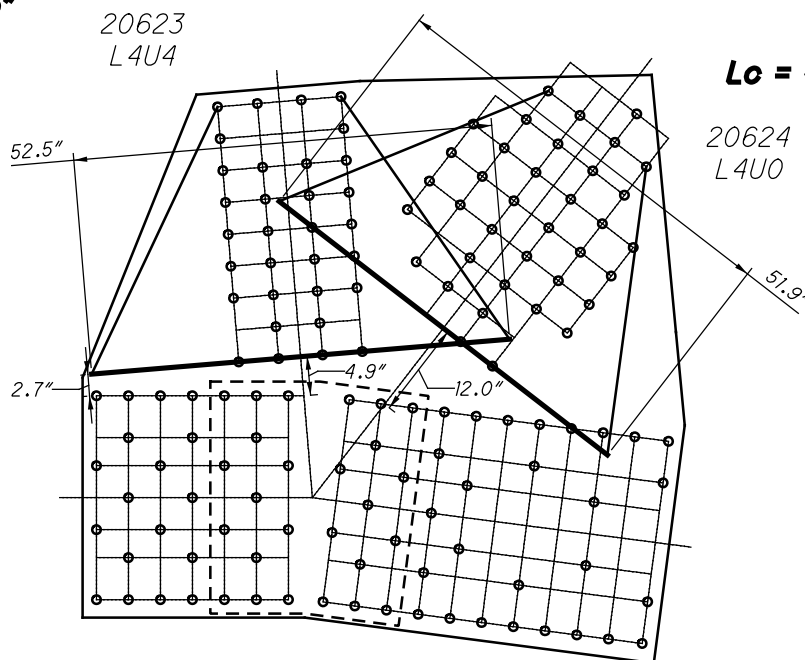
$L_c = 2.5''$

20623
L4U4

$L_c = 4.0''$

20624
L4U0

20621
L3L4



20625
L4L0

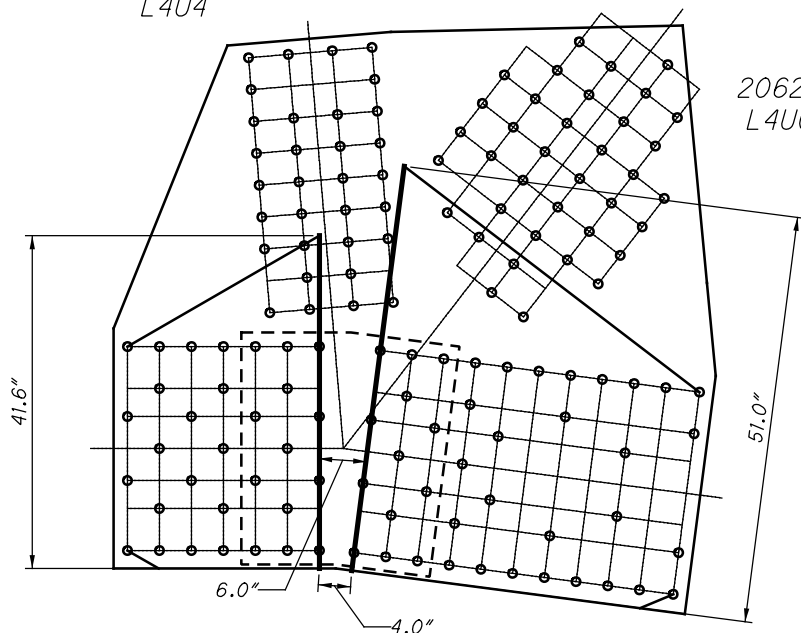
**L62 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20623
L4U4

20624
L4U0

20621
L3L4

$L_c = 3.3''$



$L_c = 3.3''$

20625
L4L0

**L62 OUTSIDE (SPAN 11)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

32 RIVETS
x 2 PLATES
=64 RIVETS

20623
L4U4

29 RIVETS
x 2 PLATES
=58 RIVETS

20624
L4U0

20621
L3L4

31 RIVETS
x 2 PLATES
=62 RIVETS

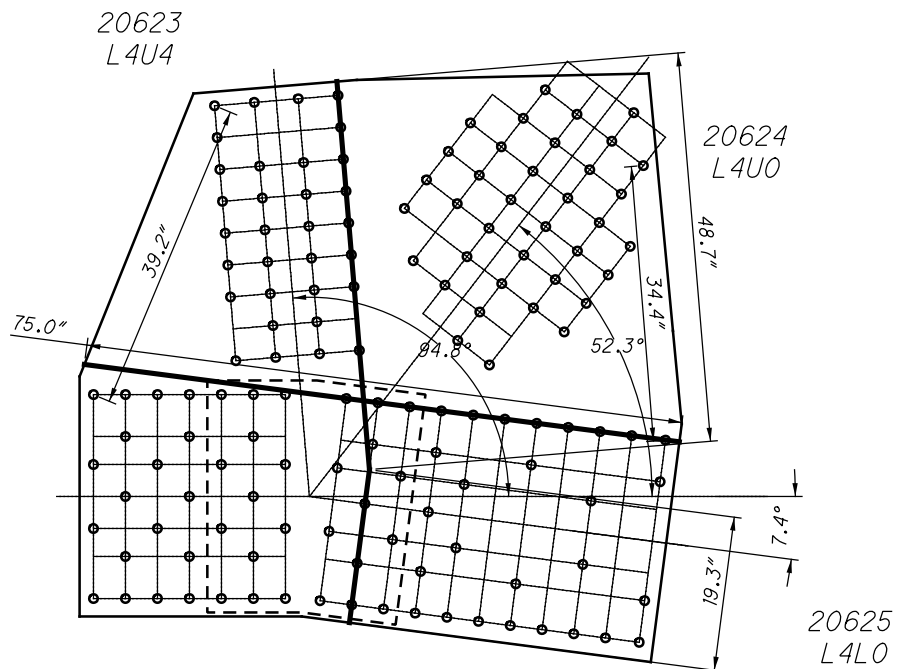
40 RIVETS
x 2 PLATES
=80 RIVETS

20625
L4L0

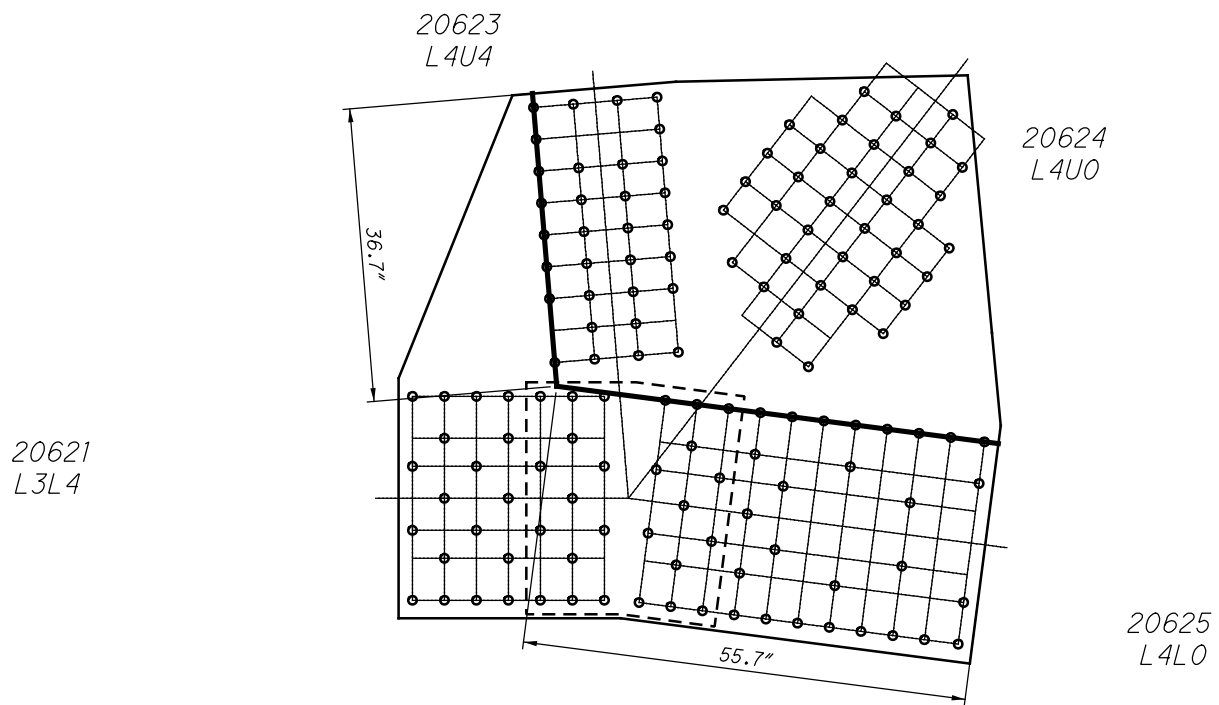
13 SPLICE P
x 2 PLATES
=26 RIVETS

13 SPLICE P
x 2 PLATES
=26 RIVETS

**L62 OUTSIDE (SPAN 11)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L62 OUTSIDE (SPAN 11)
SHEAR AND FREE EDGE CHECK**



**L62 OUTSIDE (SPAN 11)
QUADRANT DIMENSIONS**

**SPAN 12 GUSSET PLATES
LORAIN CARNEGIE**

CHECKED: _____

DATE: _____

LEGEND

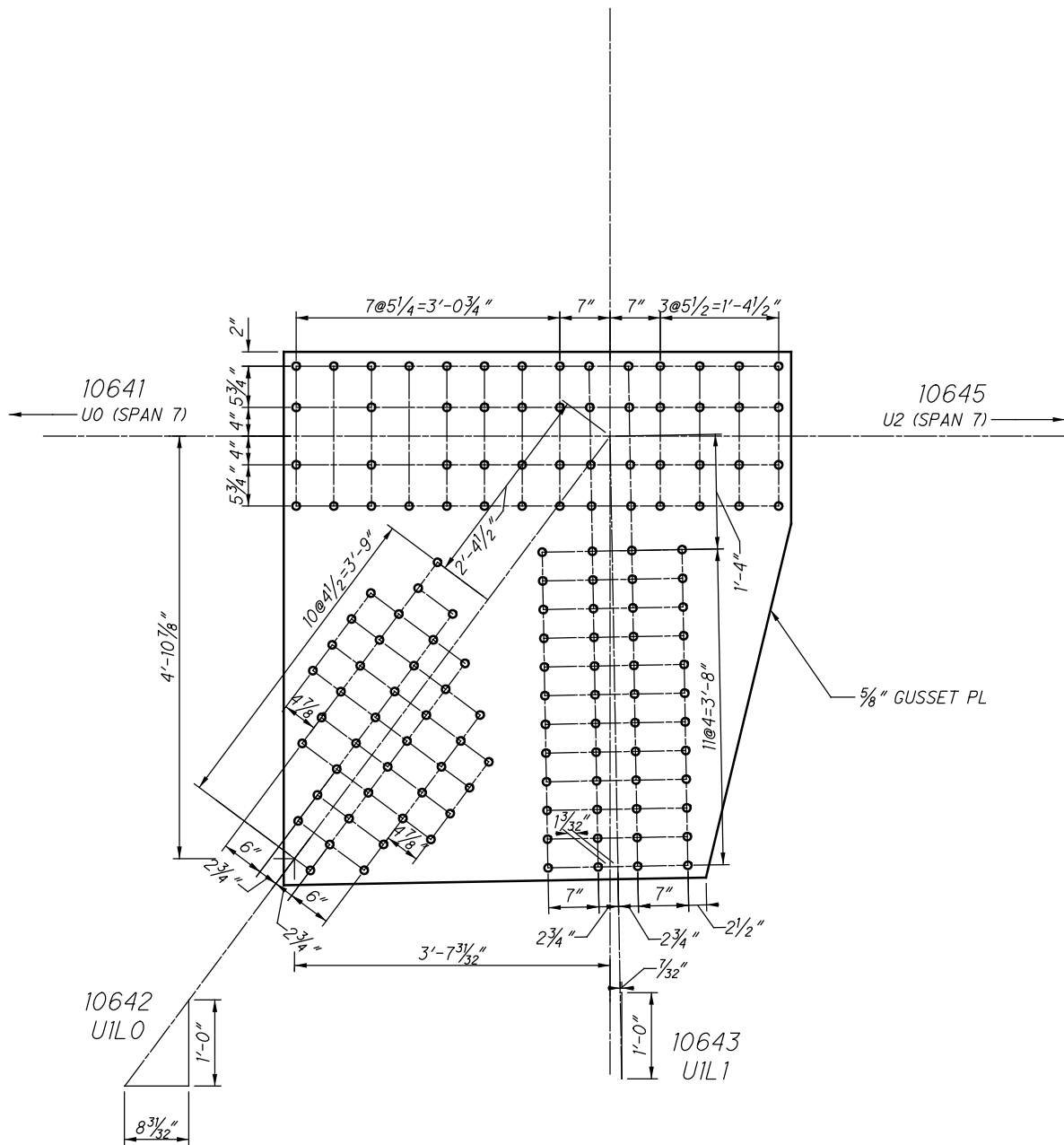
- 1 $\frac{1}{16}$ " HOLES TYPICAL

NOTES:

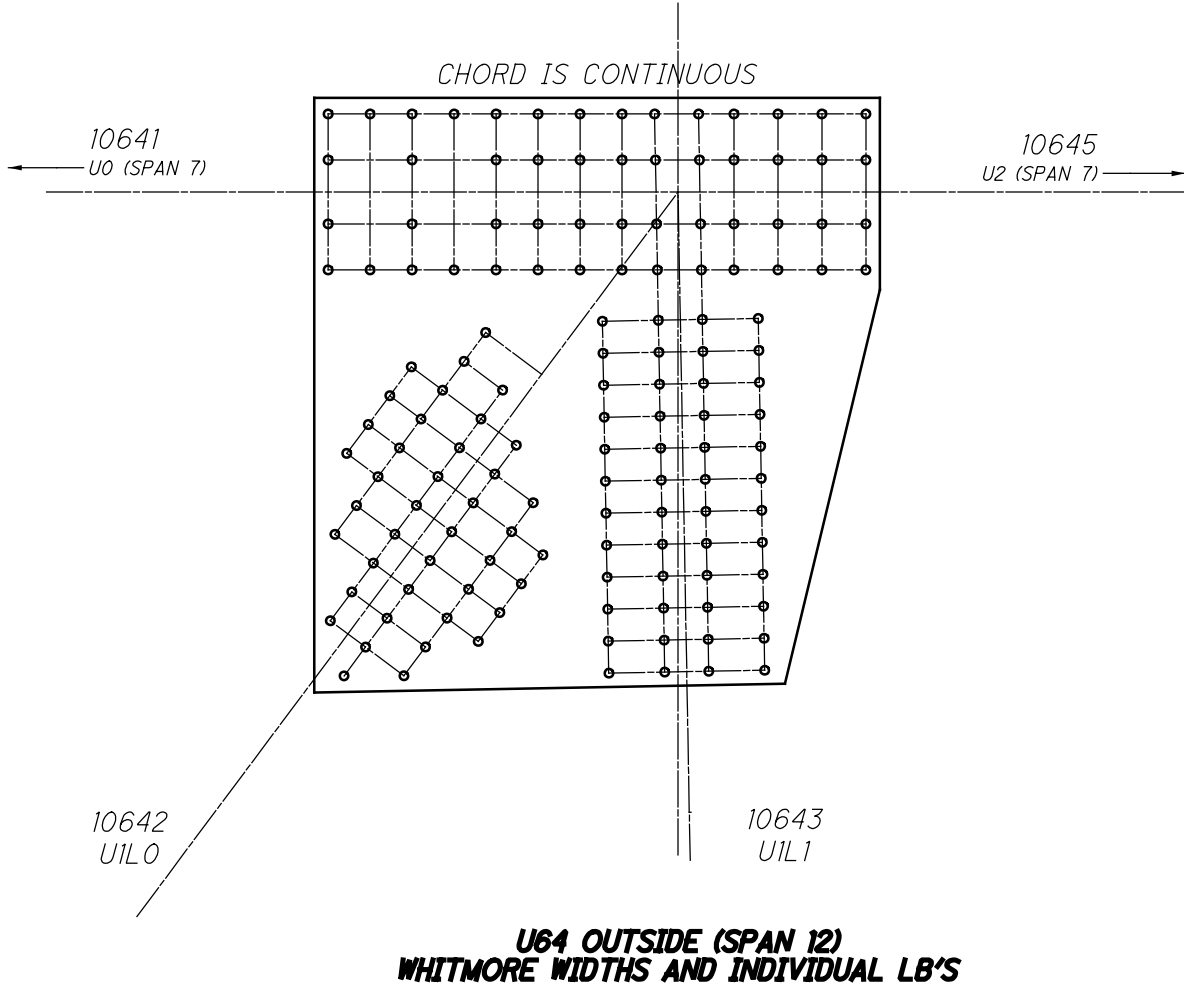
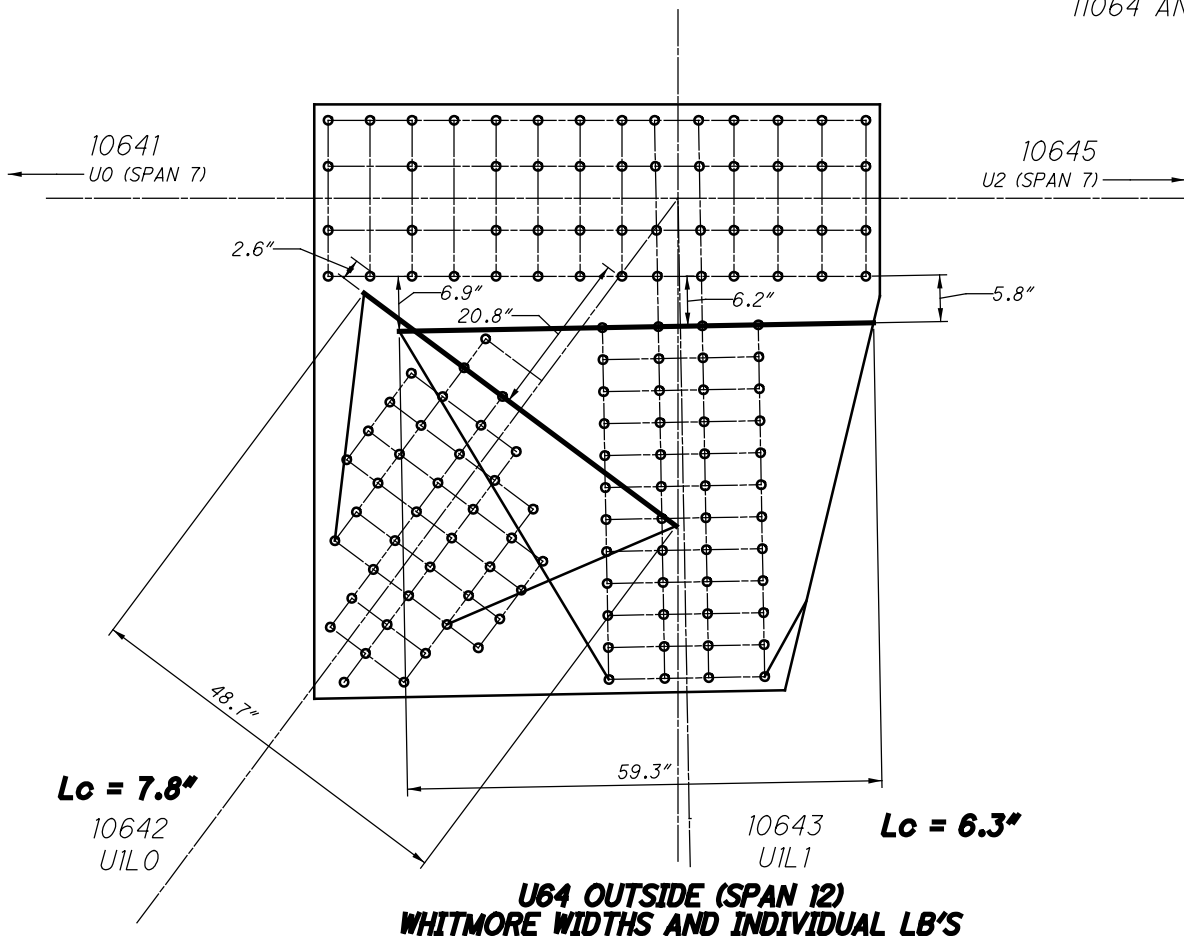
ALL EDGE DISTANCES ARE $1\frac{3}{4}$ "
UNLESS NOTED OTHERWISE

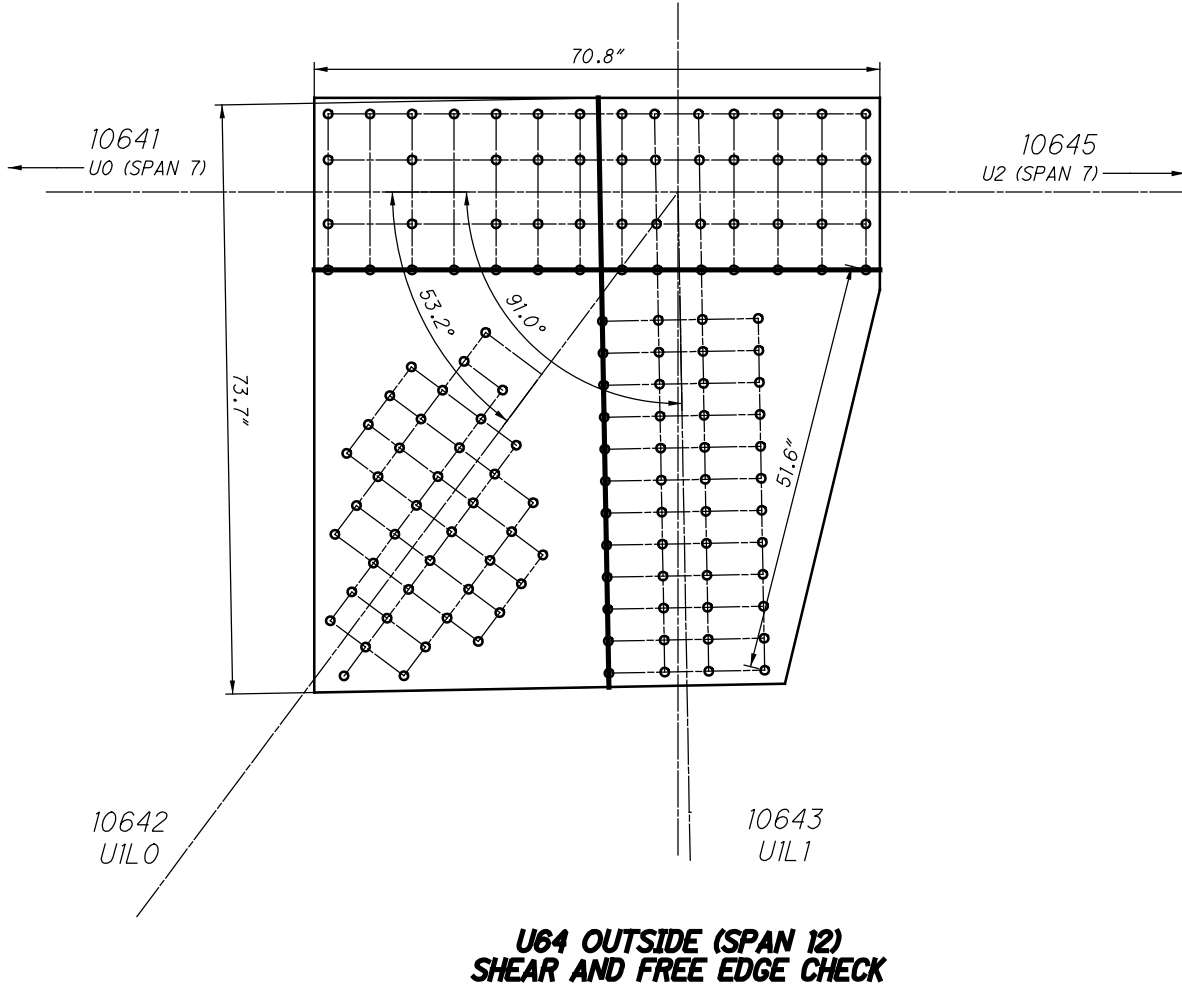
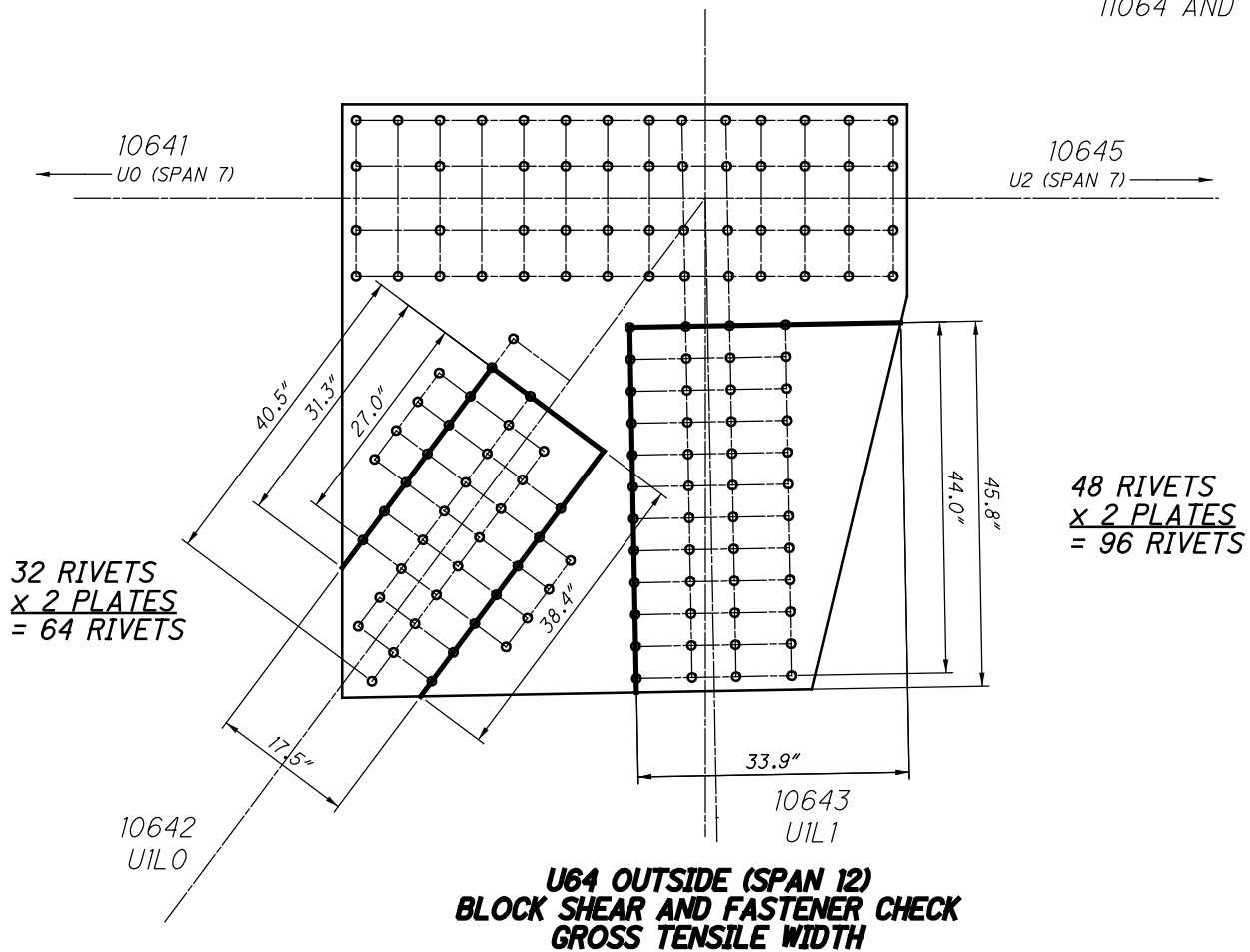
ALL GUSSET PLATES ARE COPPER
BEARING, SILICON STEEL

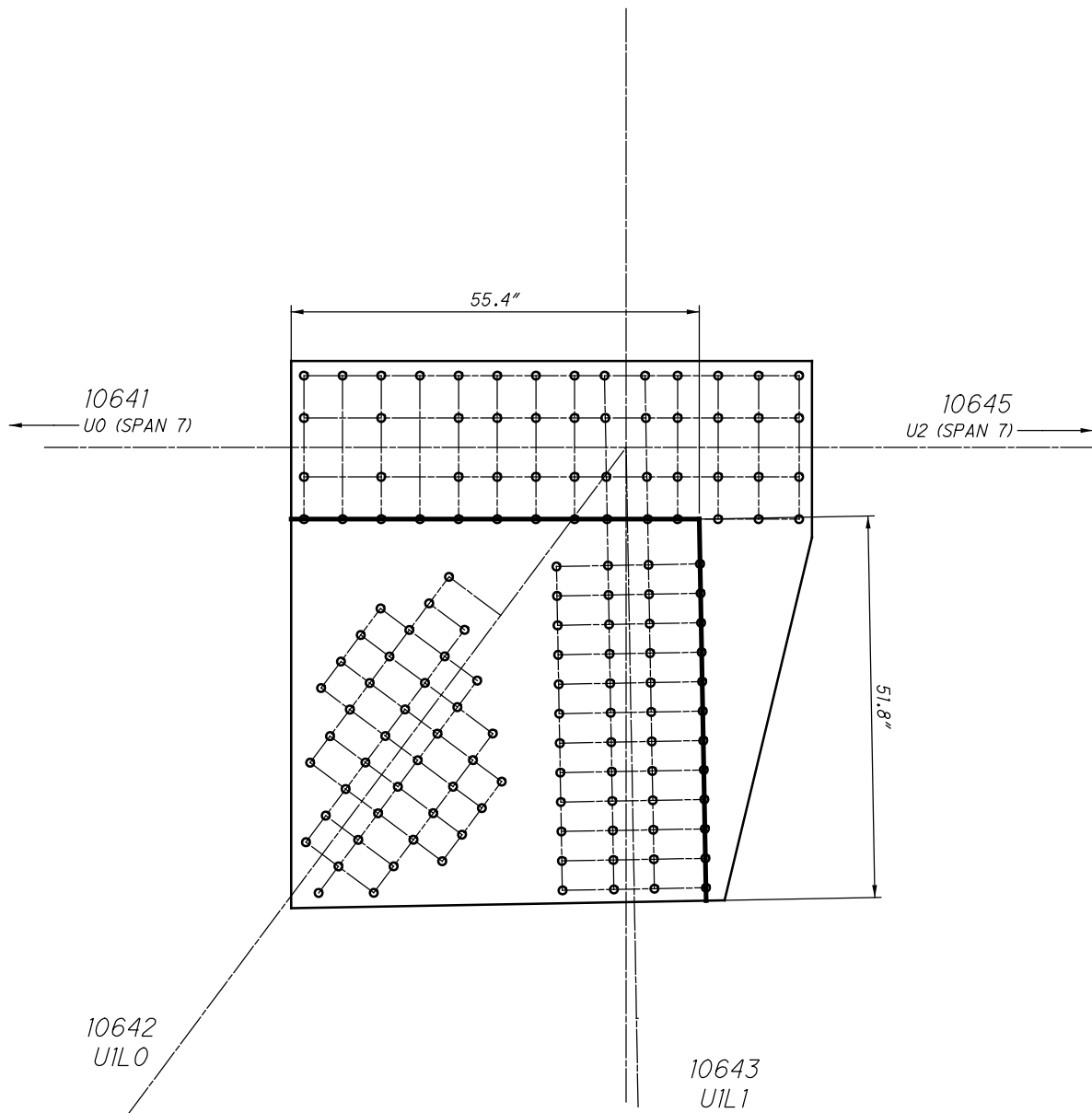
ALL GUSSET PLATES ARE TYPICAL
NEAR SIDE AND FAR SIDE EXCEPT
AS SHOWN



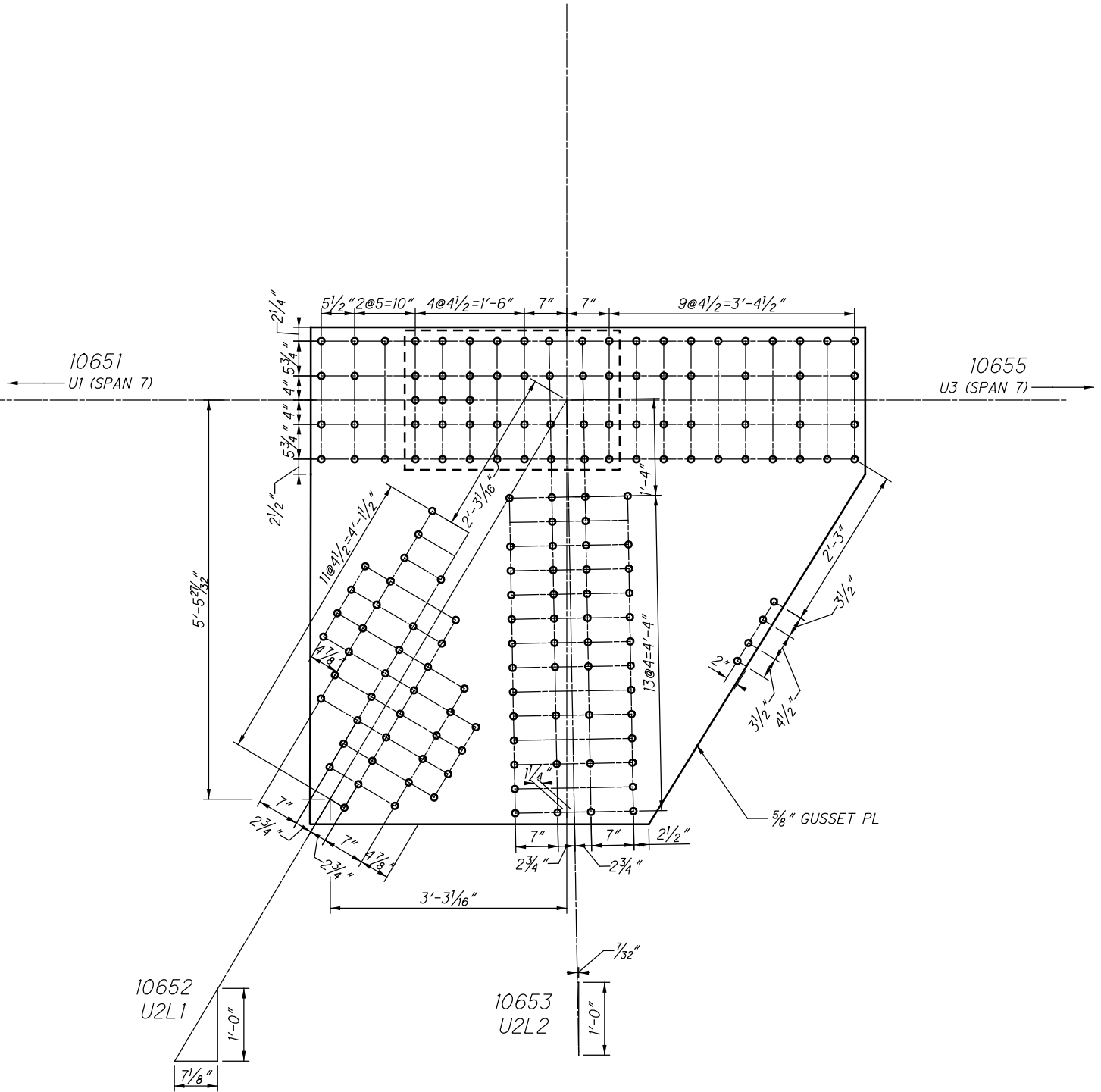
U64 OUTSIDE (SPAN 12)



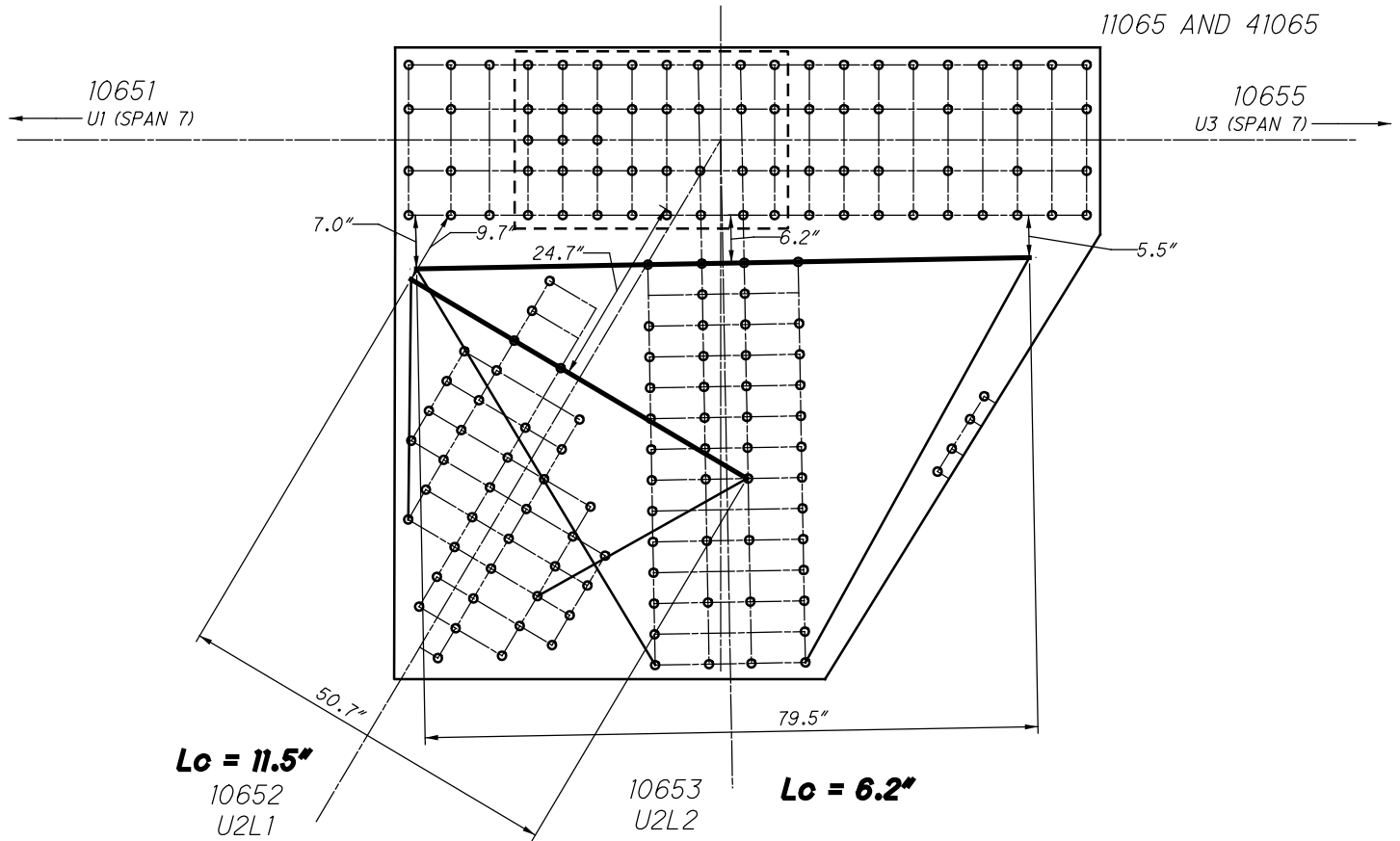




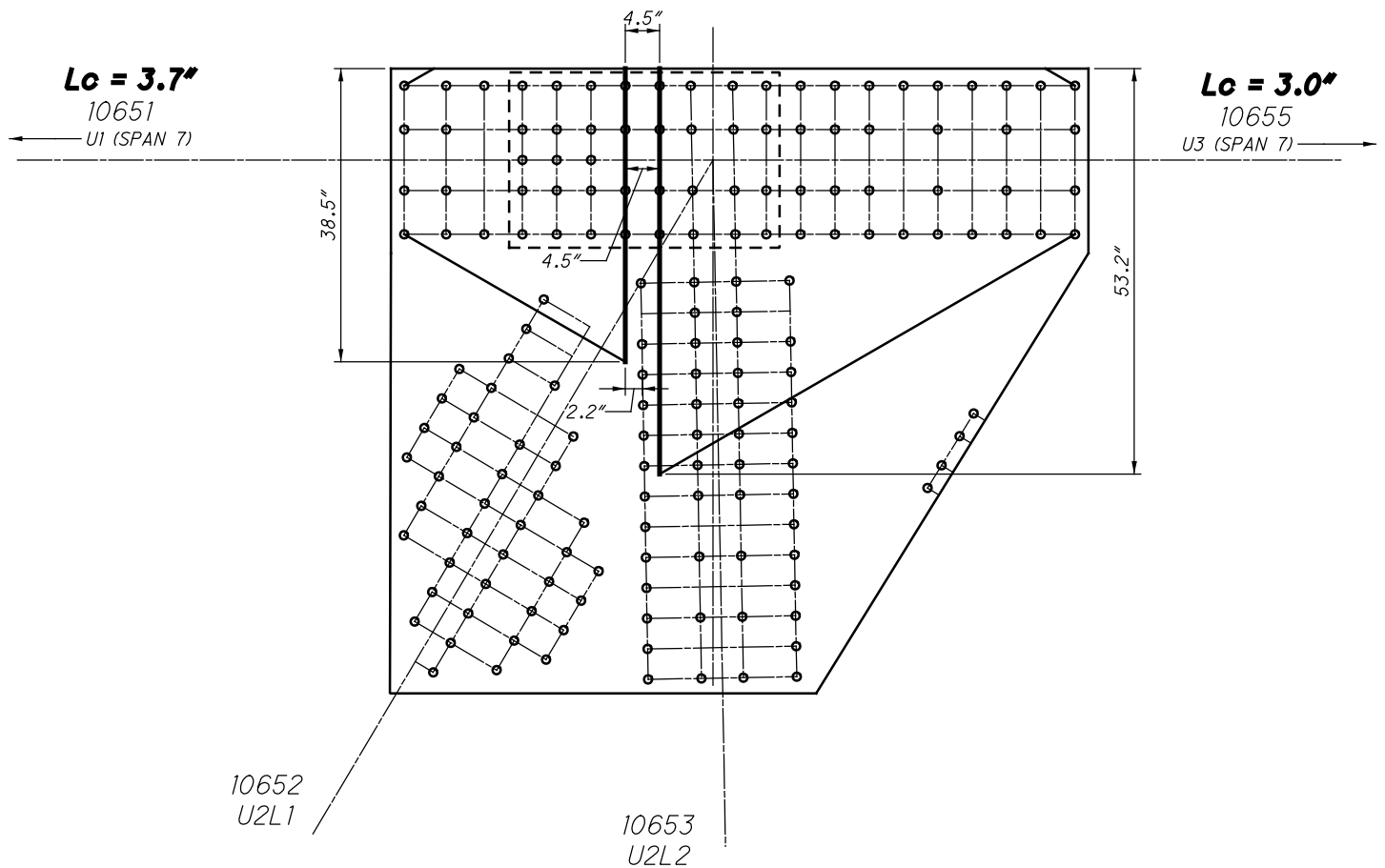
**U64 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



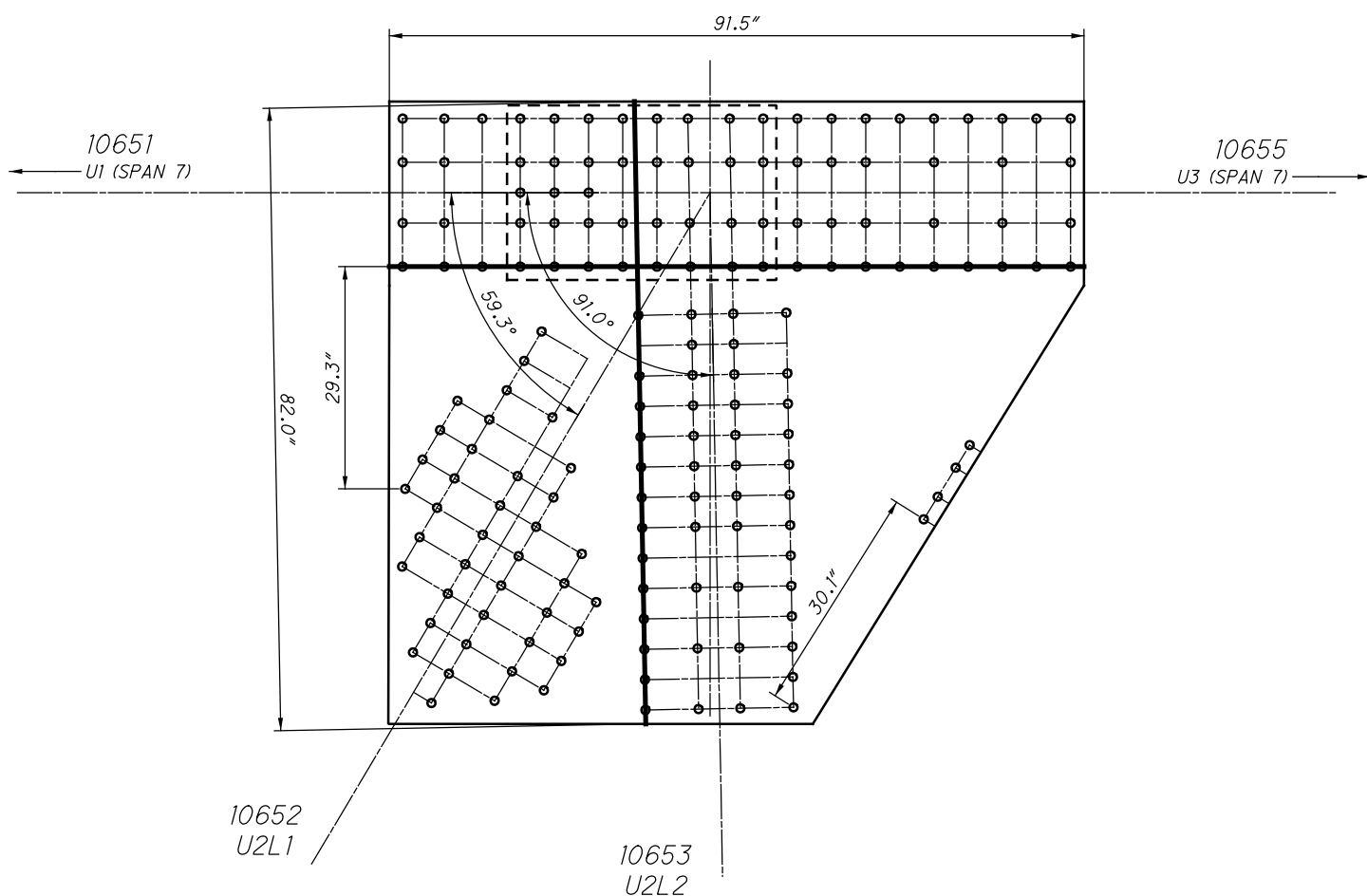
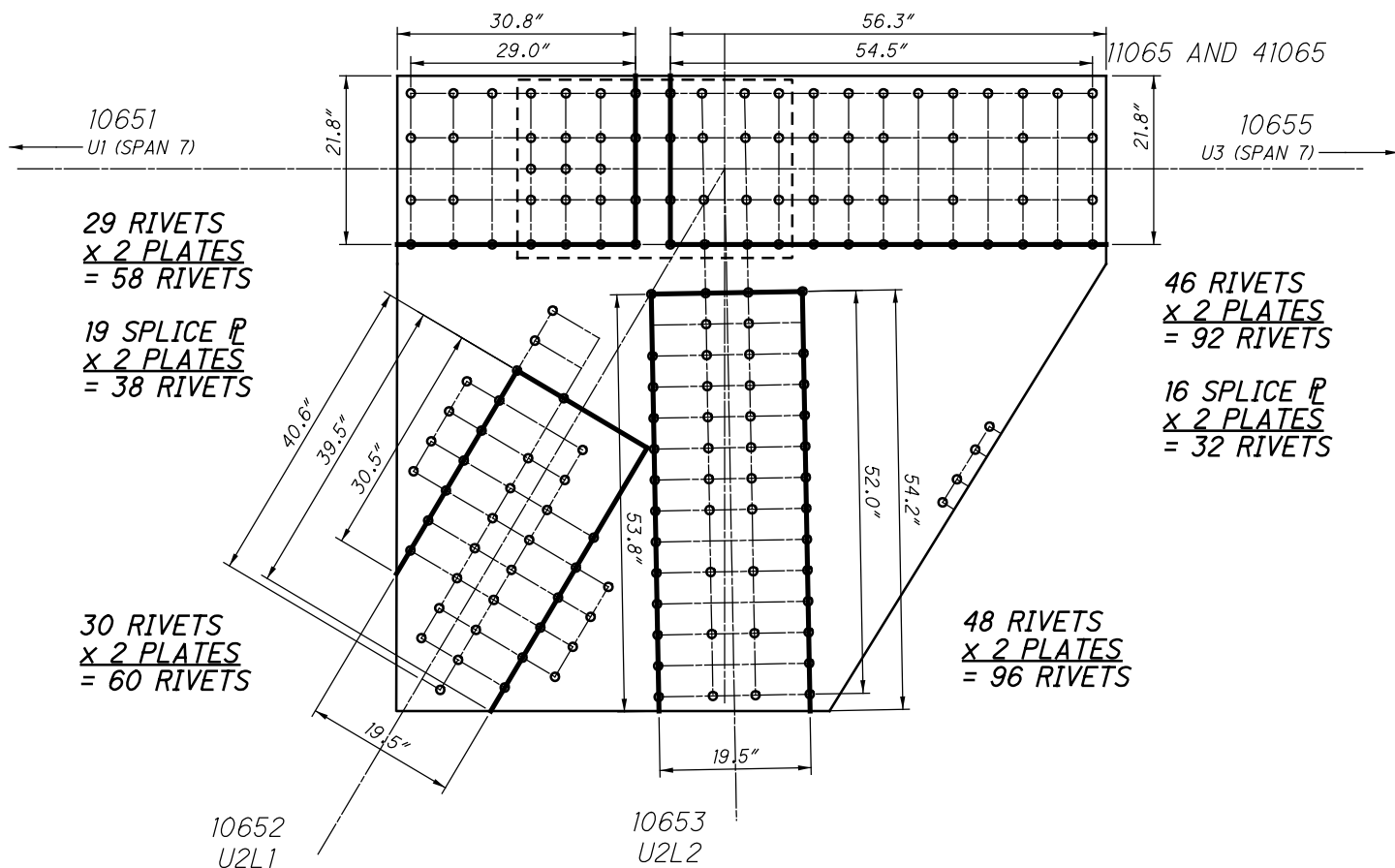
U65 OUTSIDE (SPAN 12)

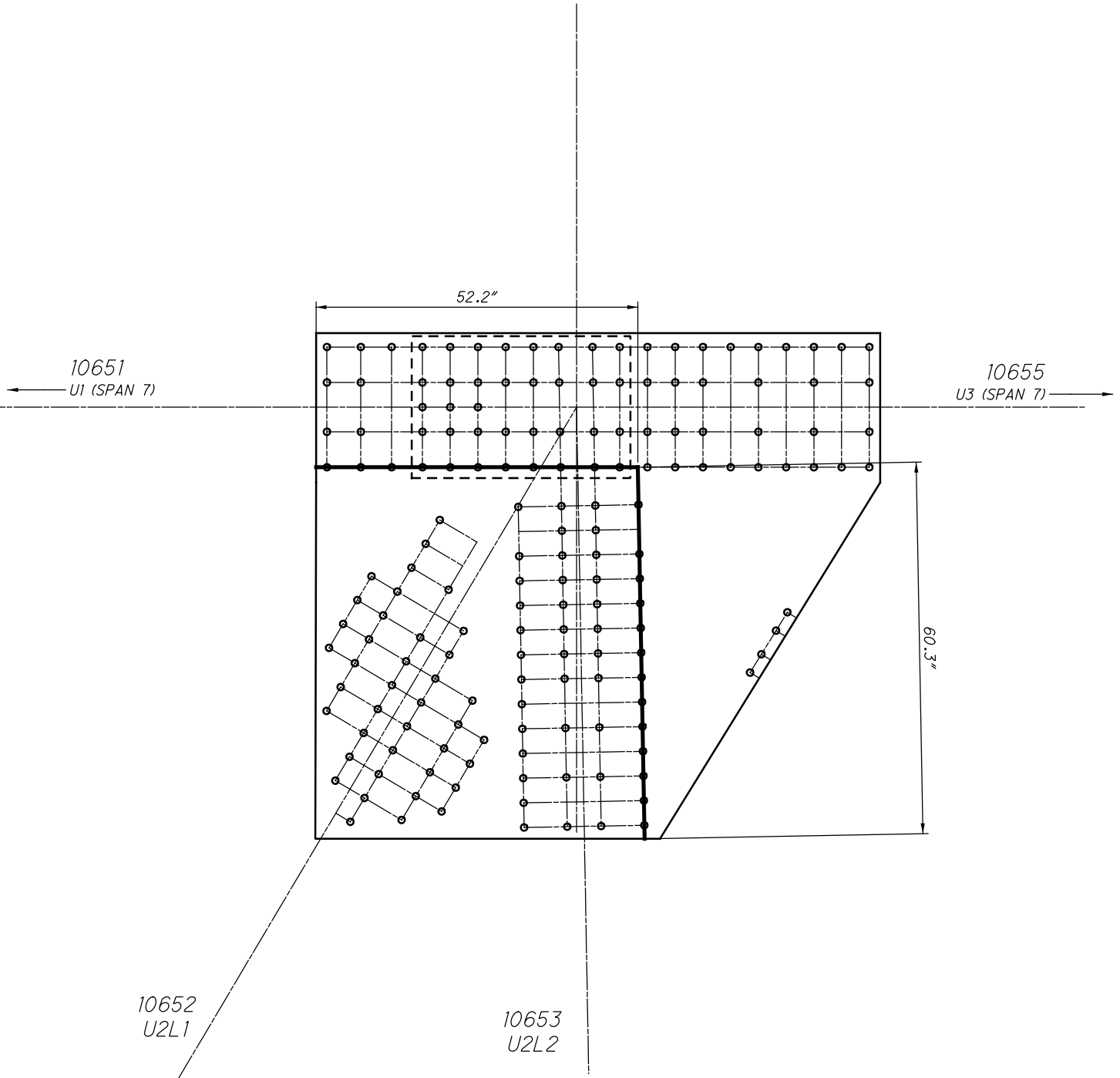


**U65 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

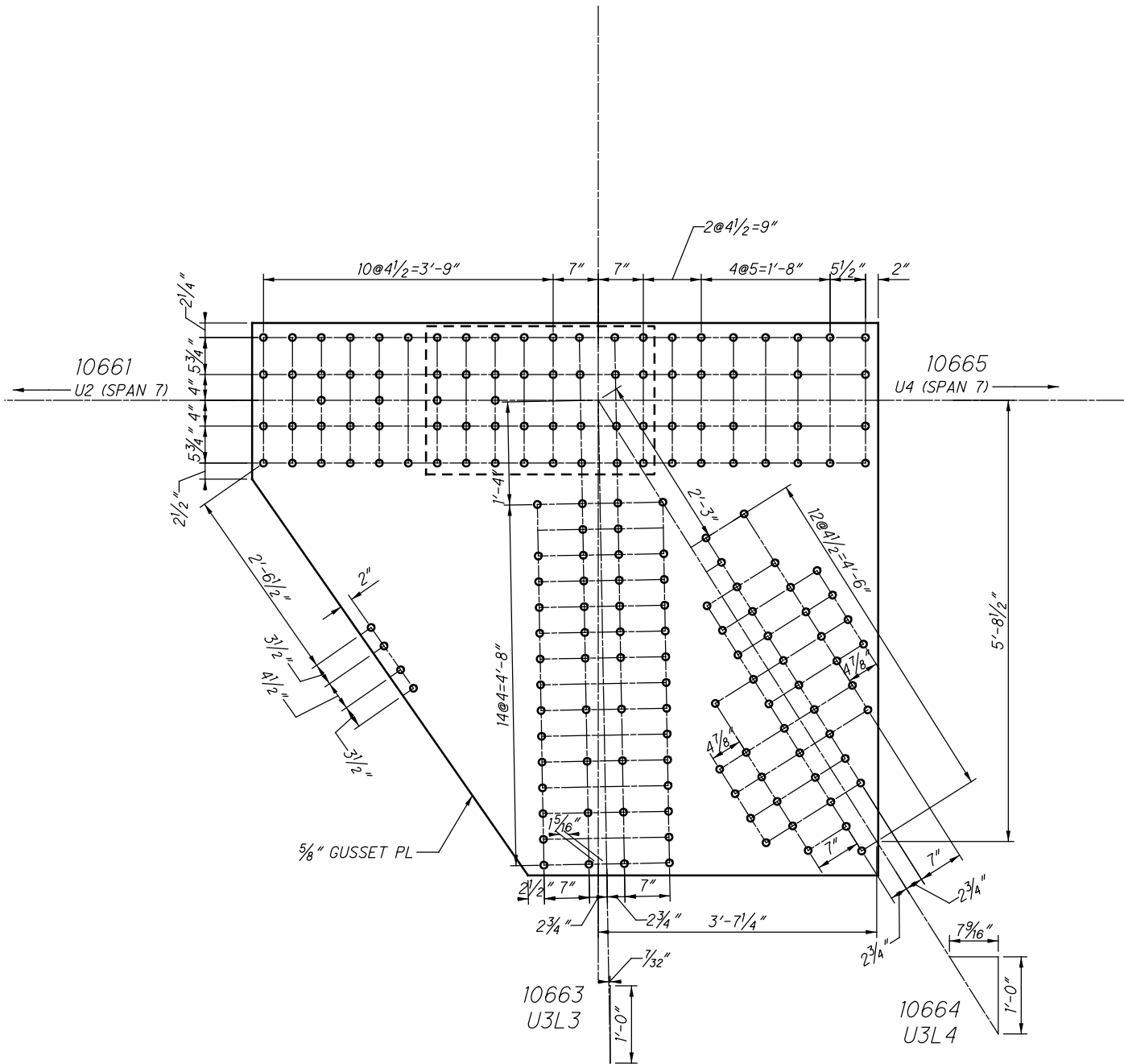


**U65 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

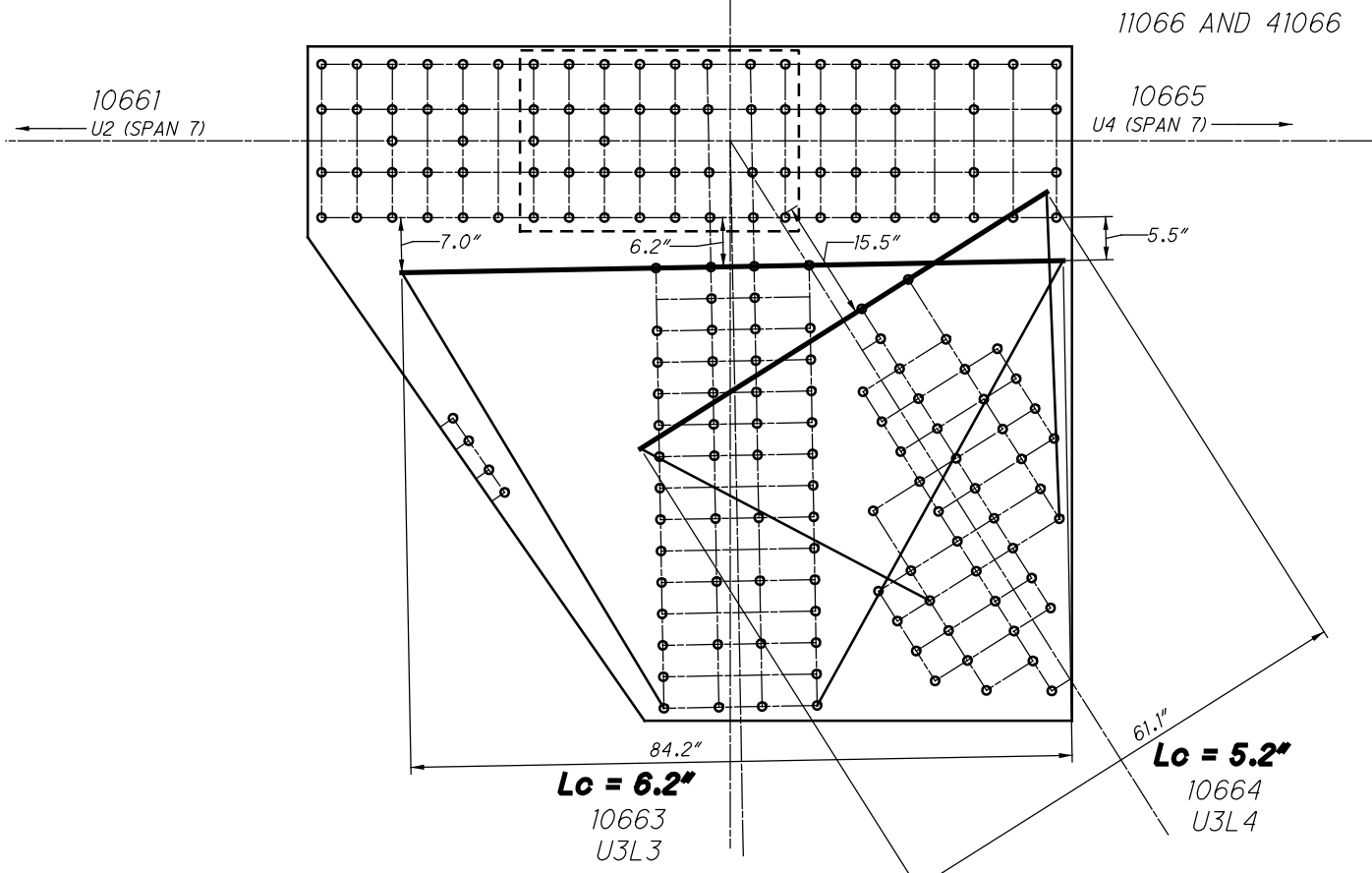




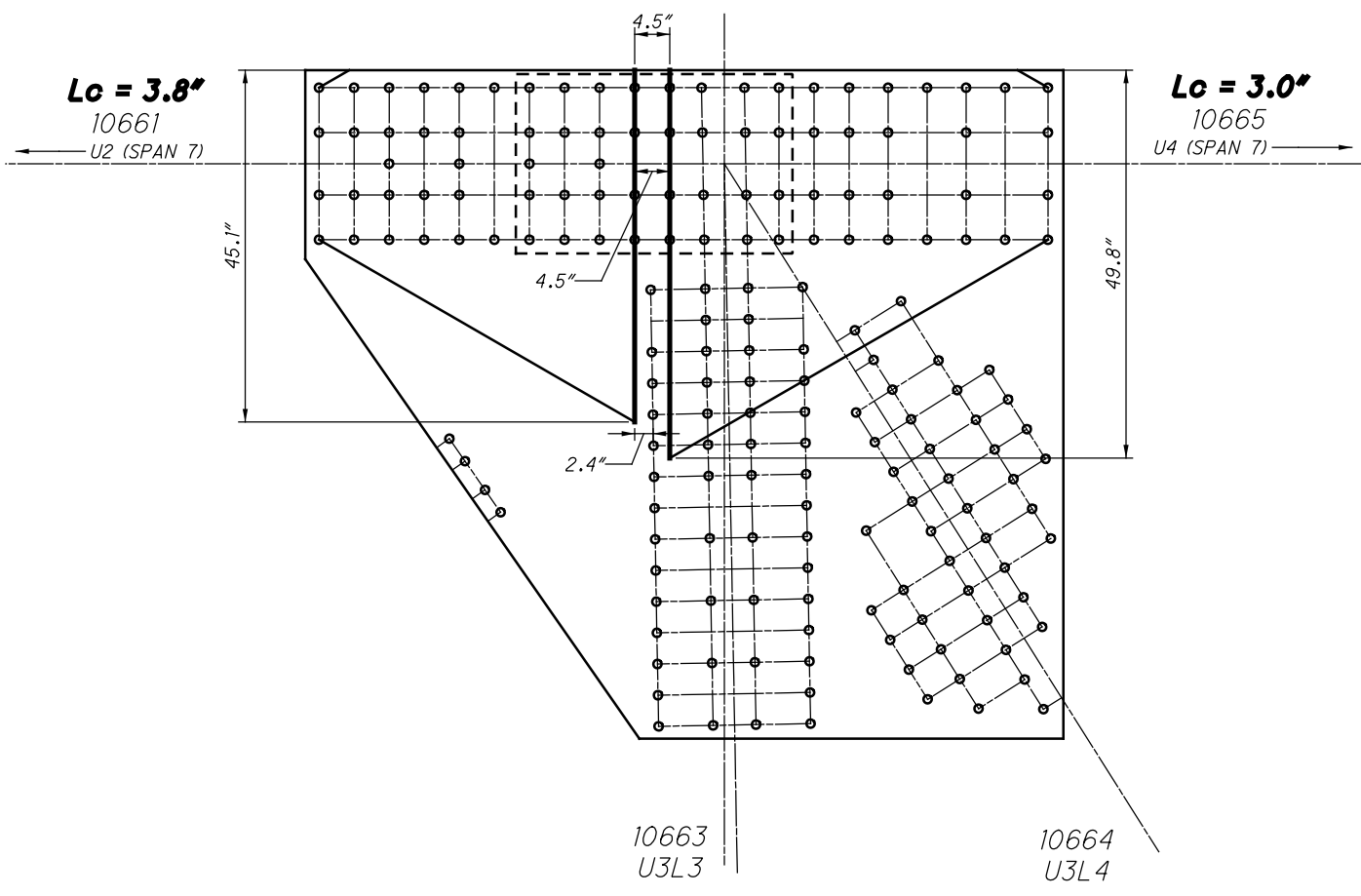
**U65 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



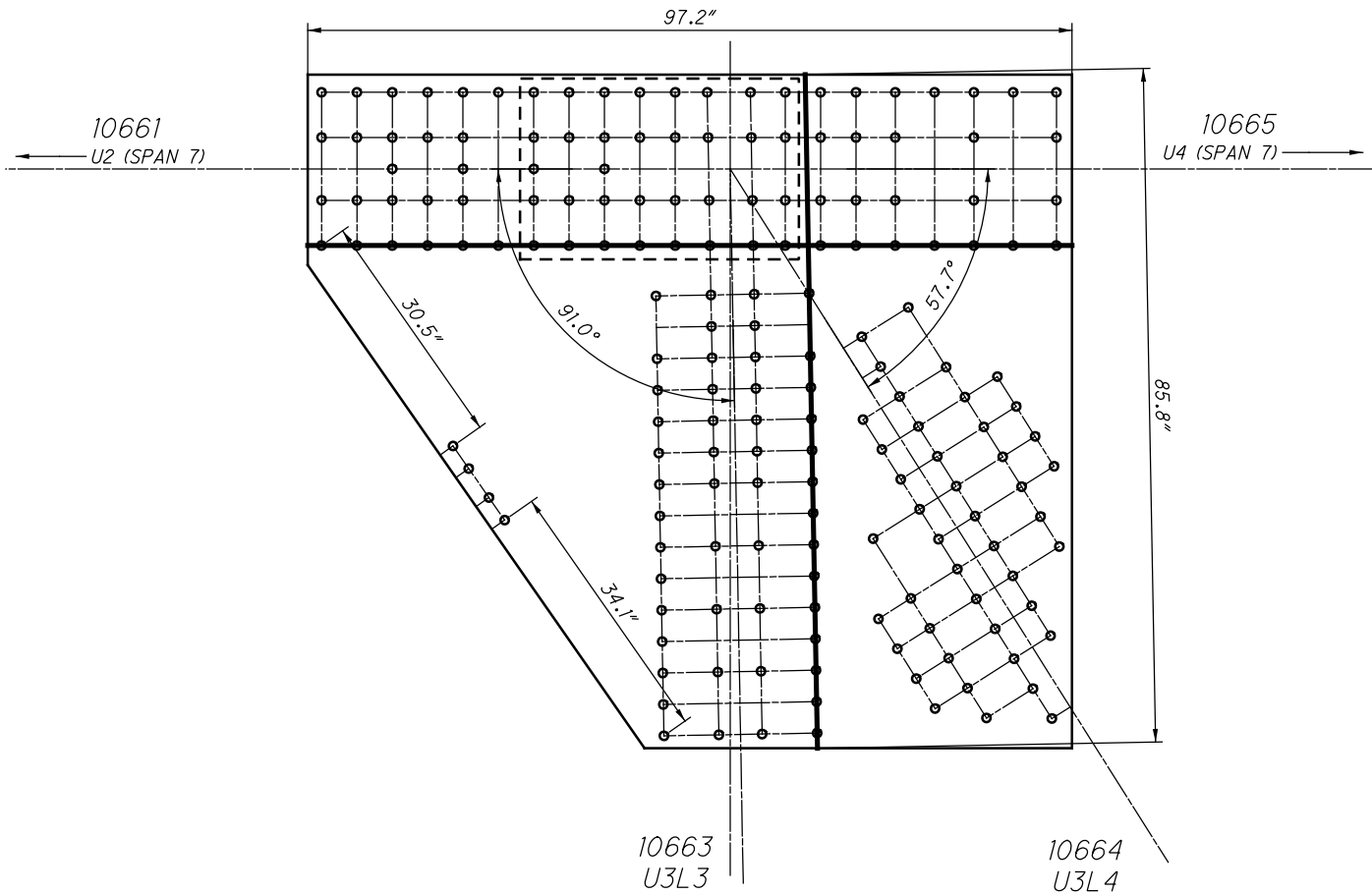
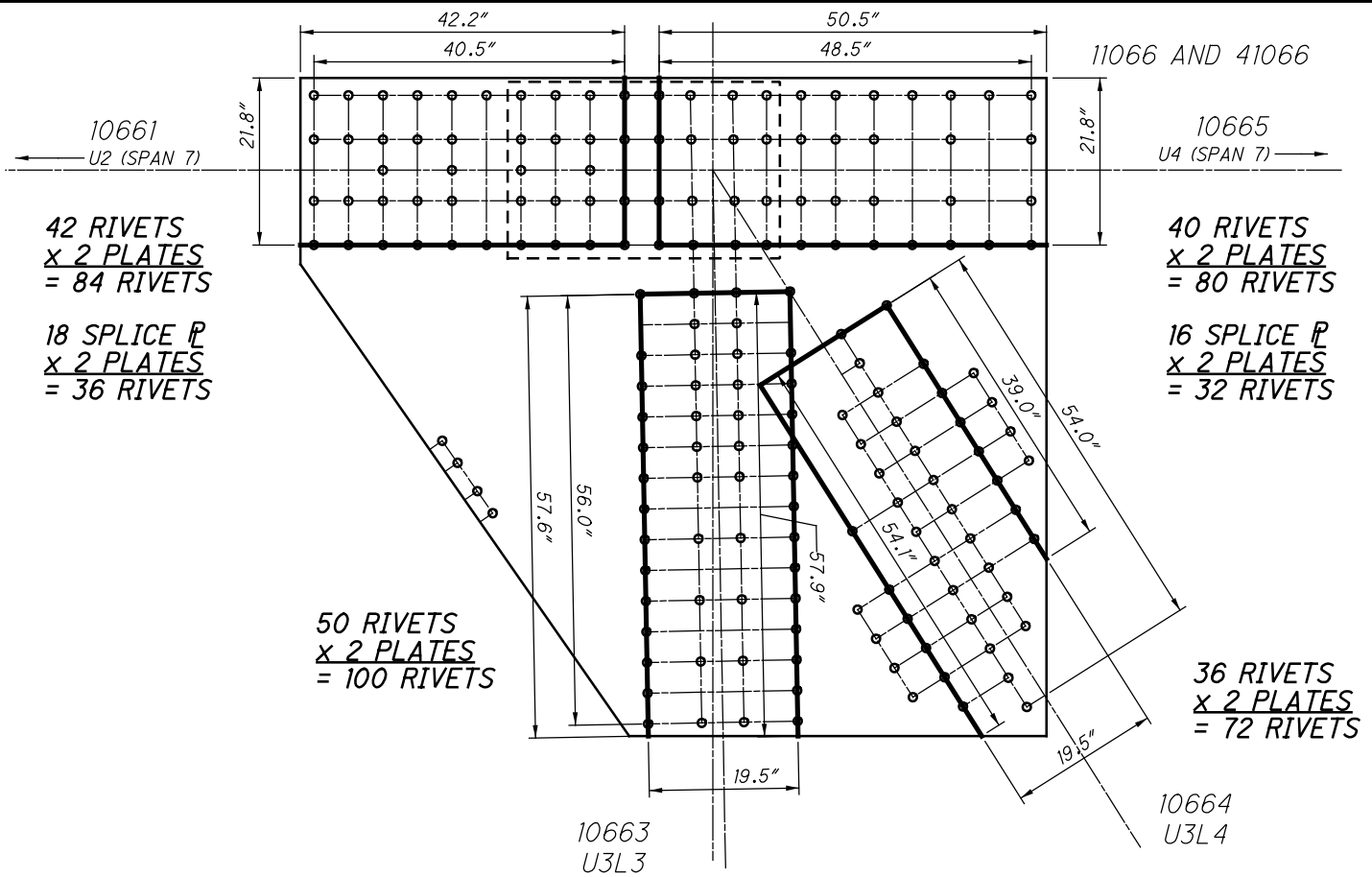
U66 OUTSIDE (SPAN 12)

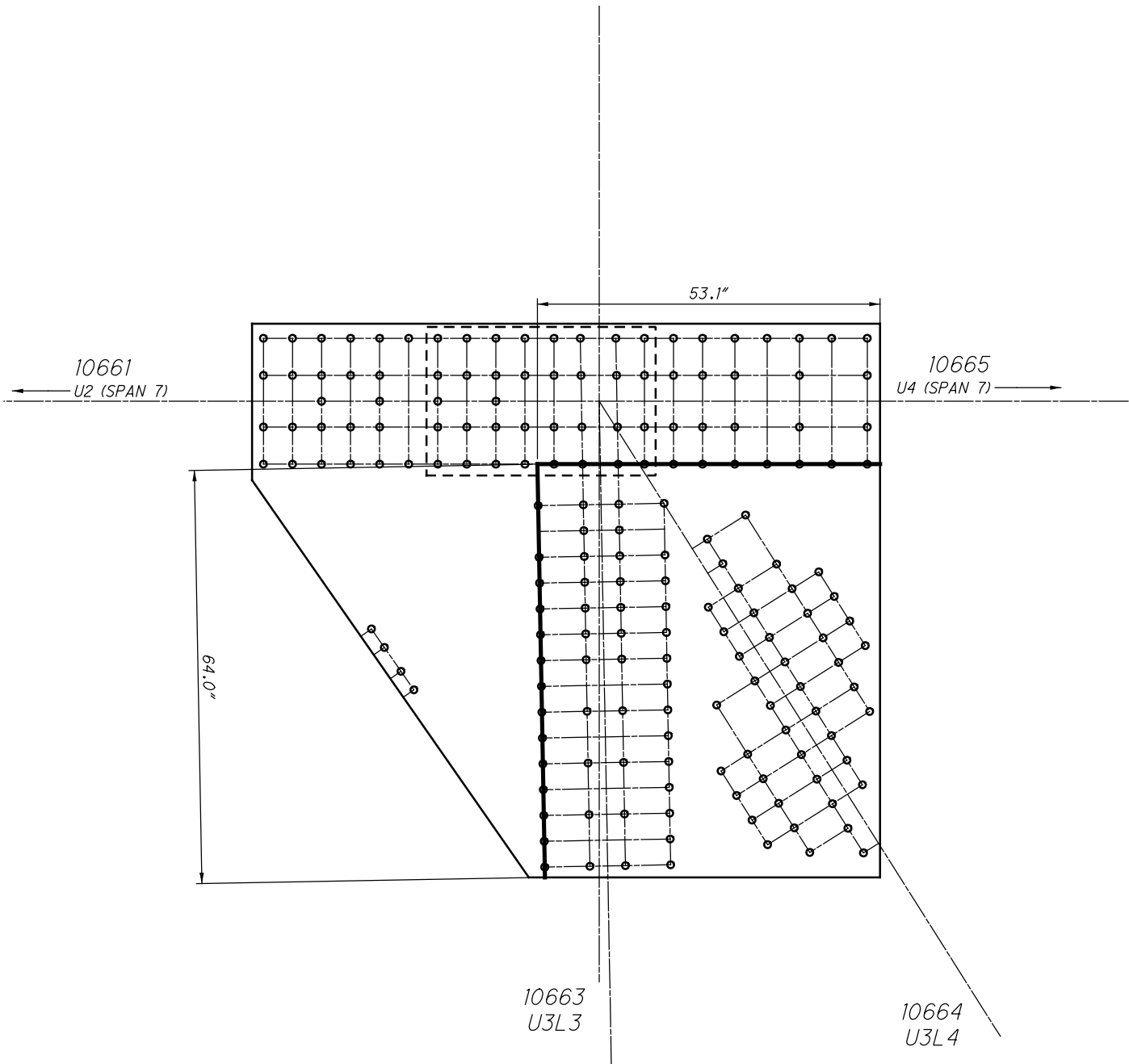


**U66 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



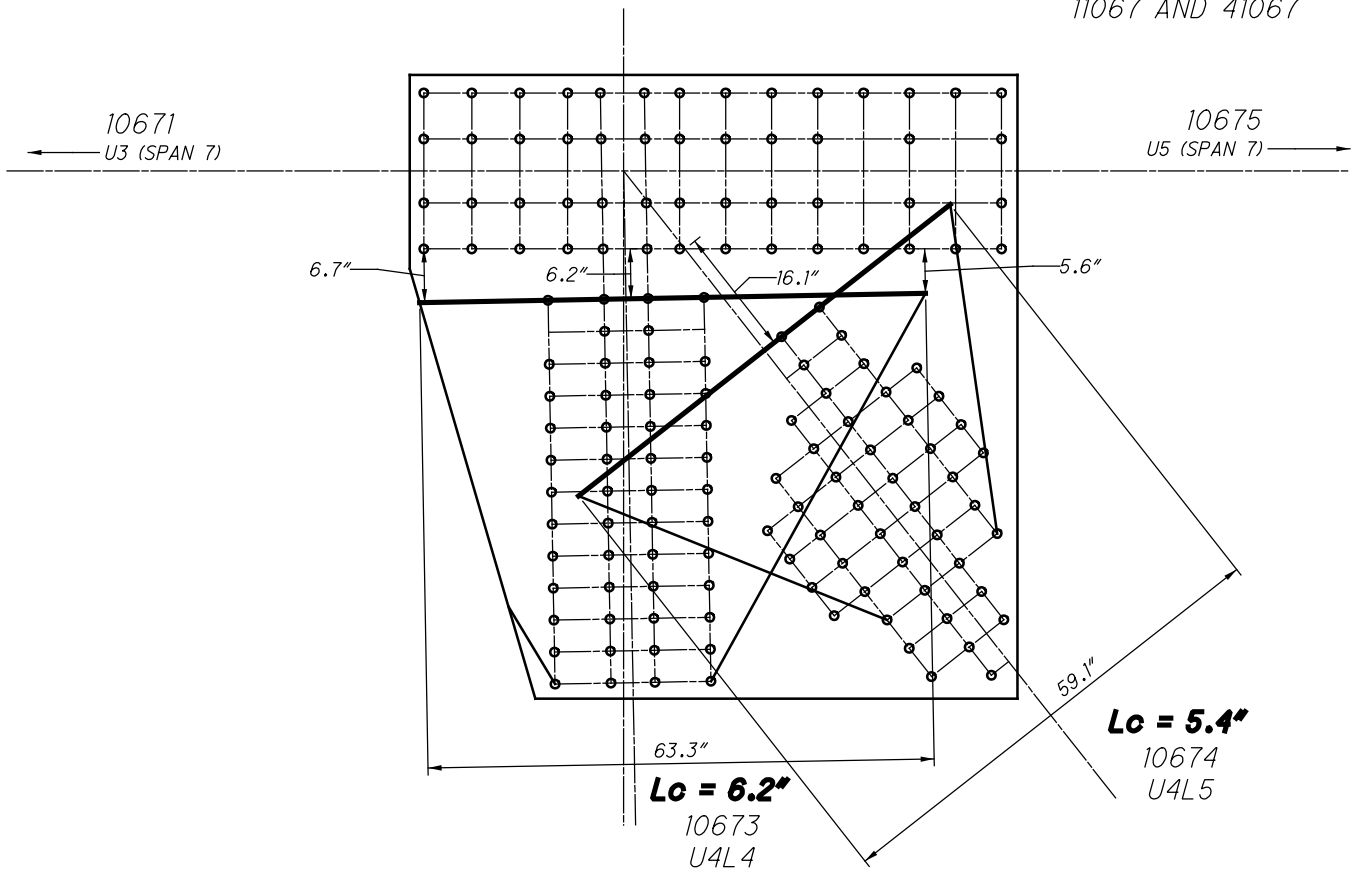
**U66 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



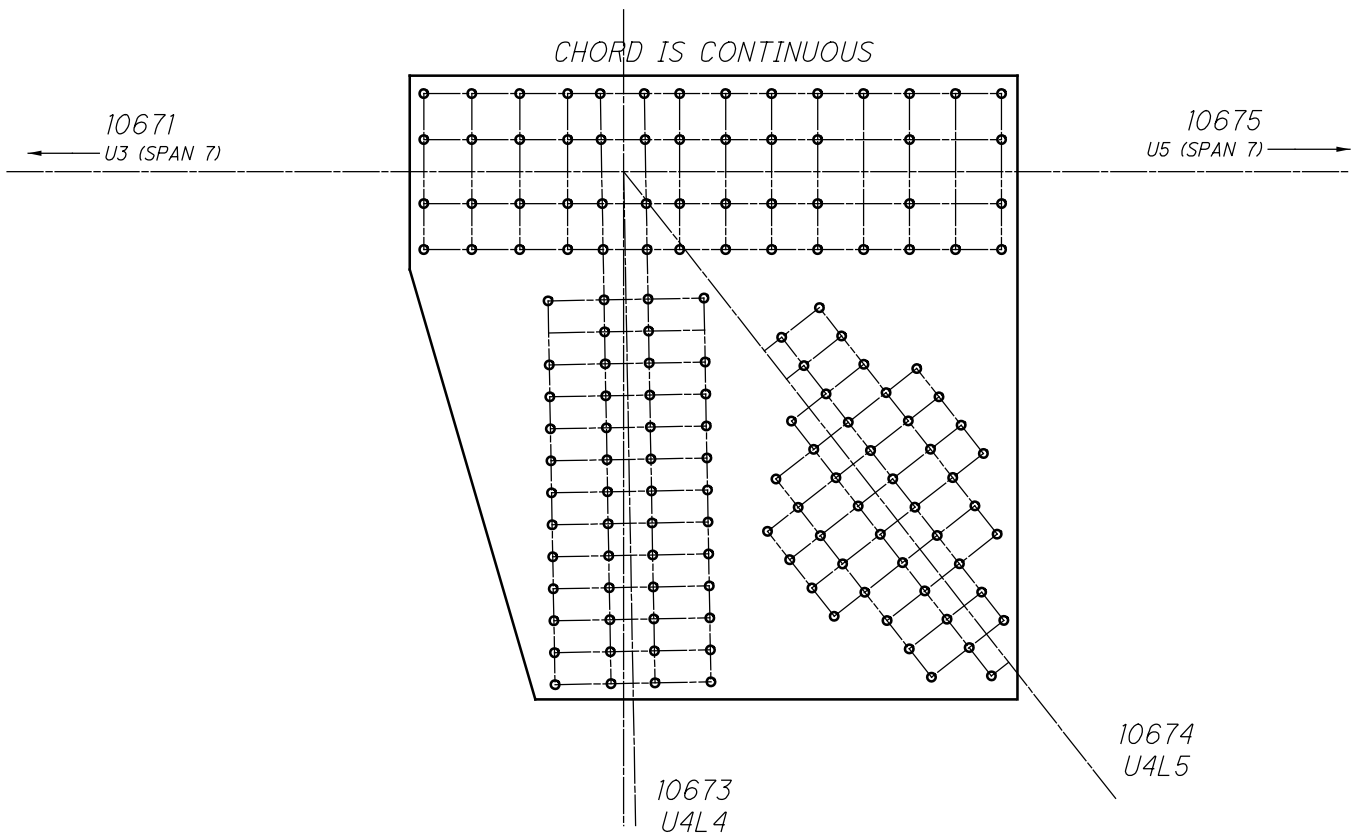


**U66 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**

U67 OUTSIDE (SPAN 12)

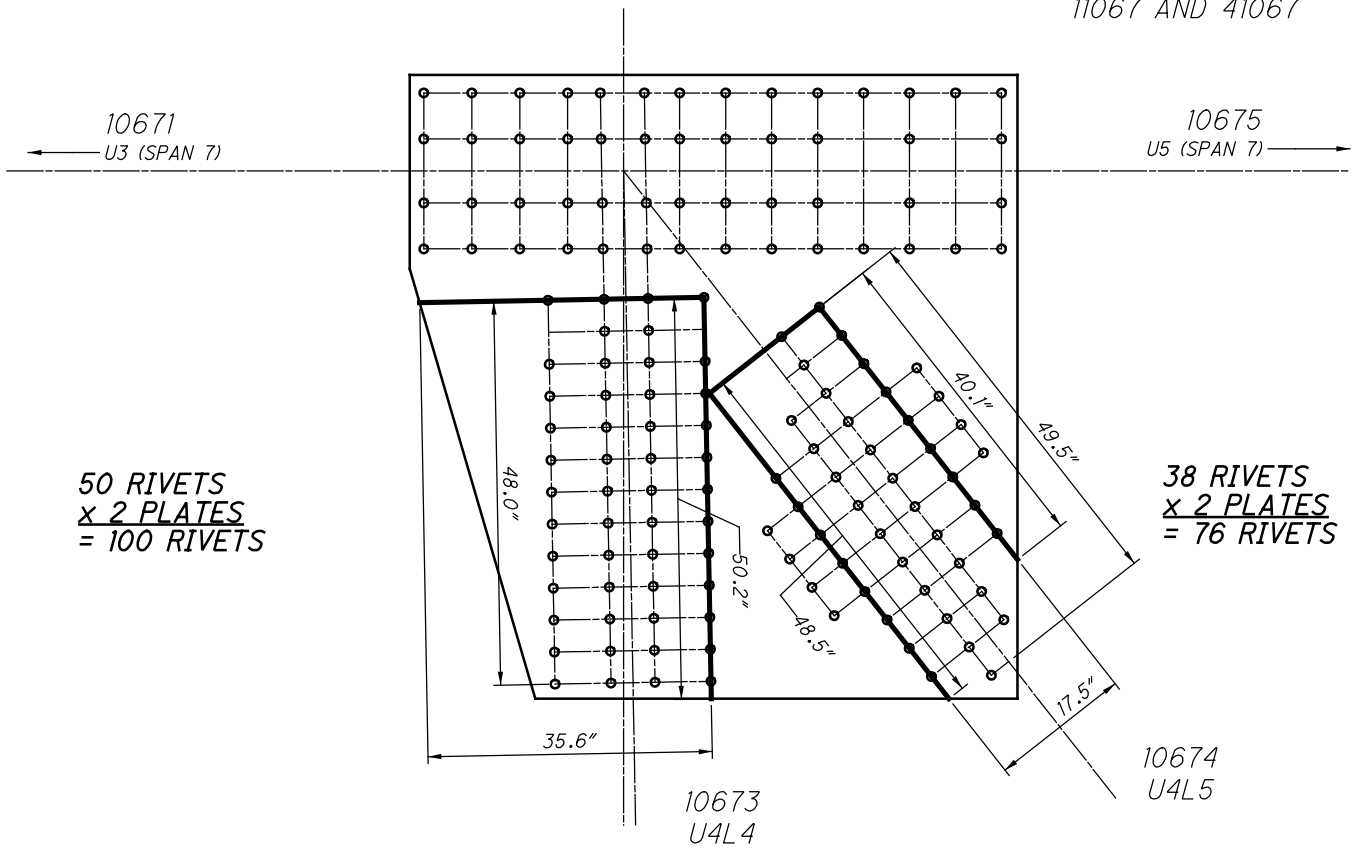


**U67 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

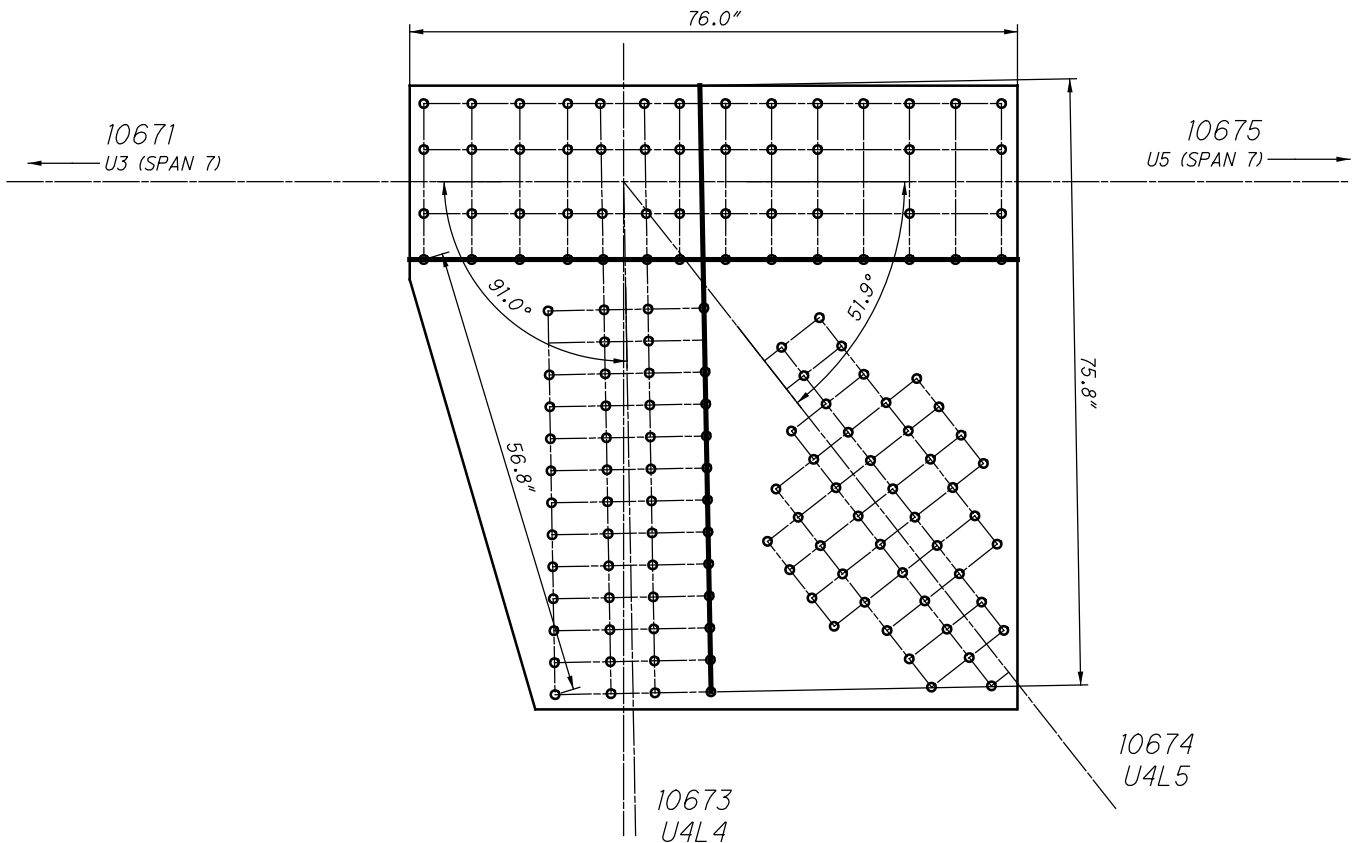


**U67 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

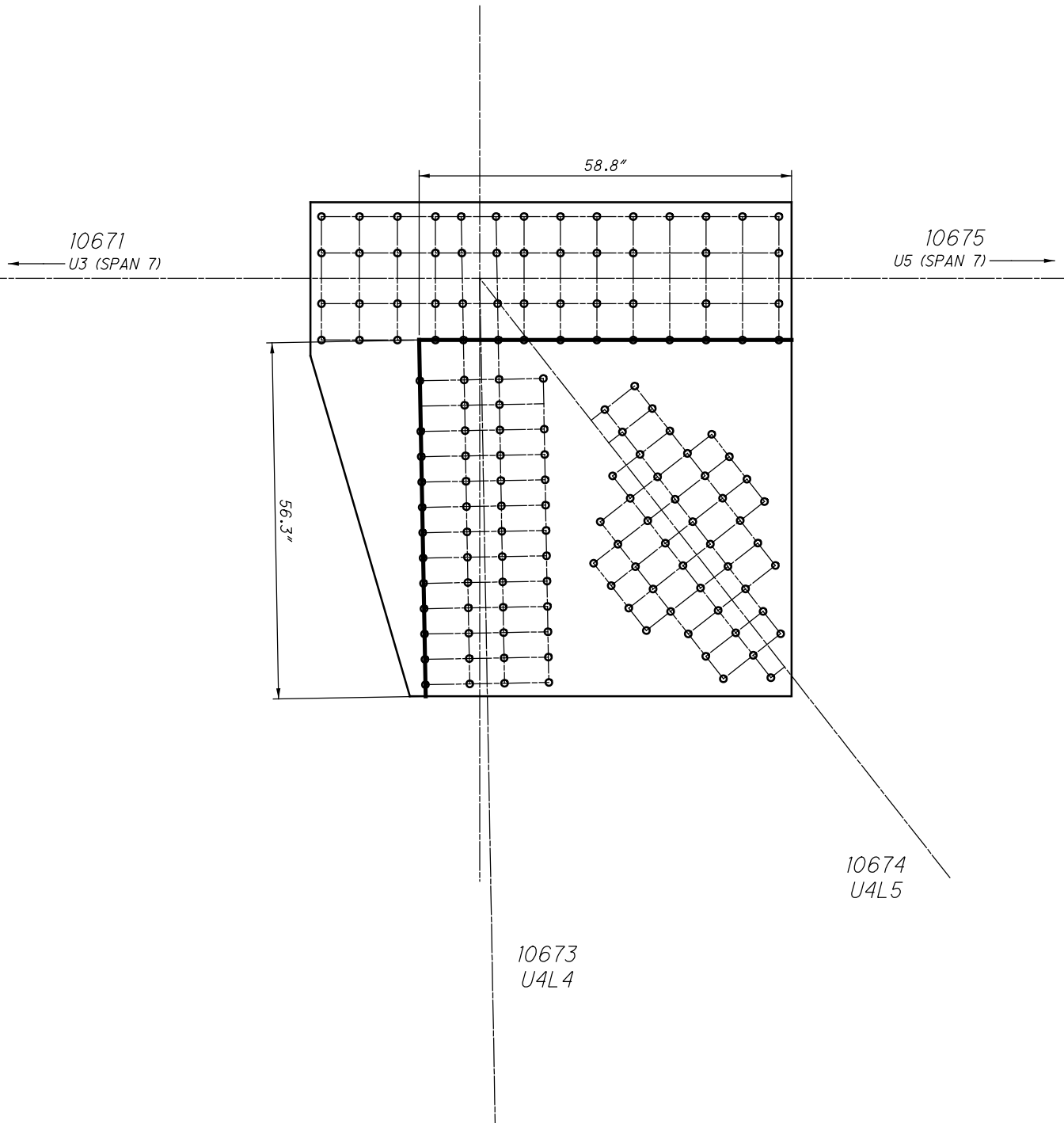
11067 AND 41067



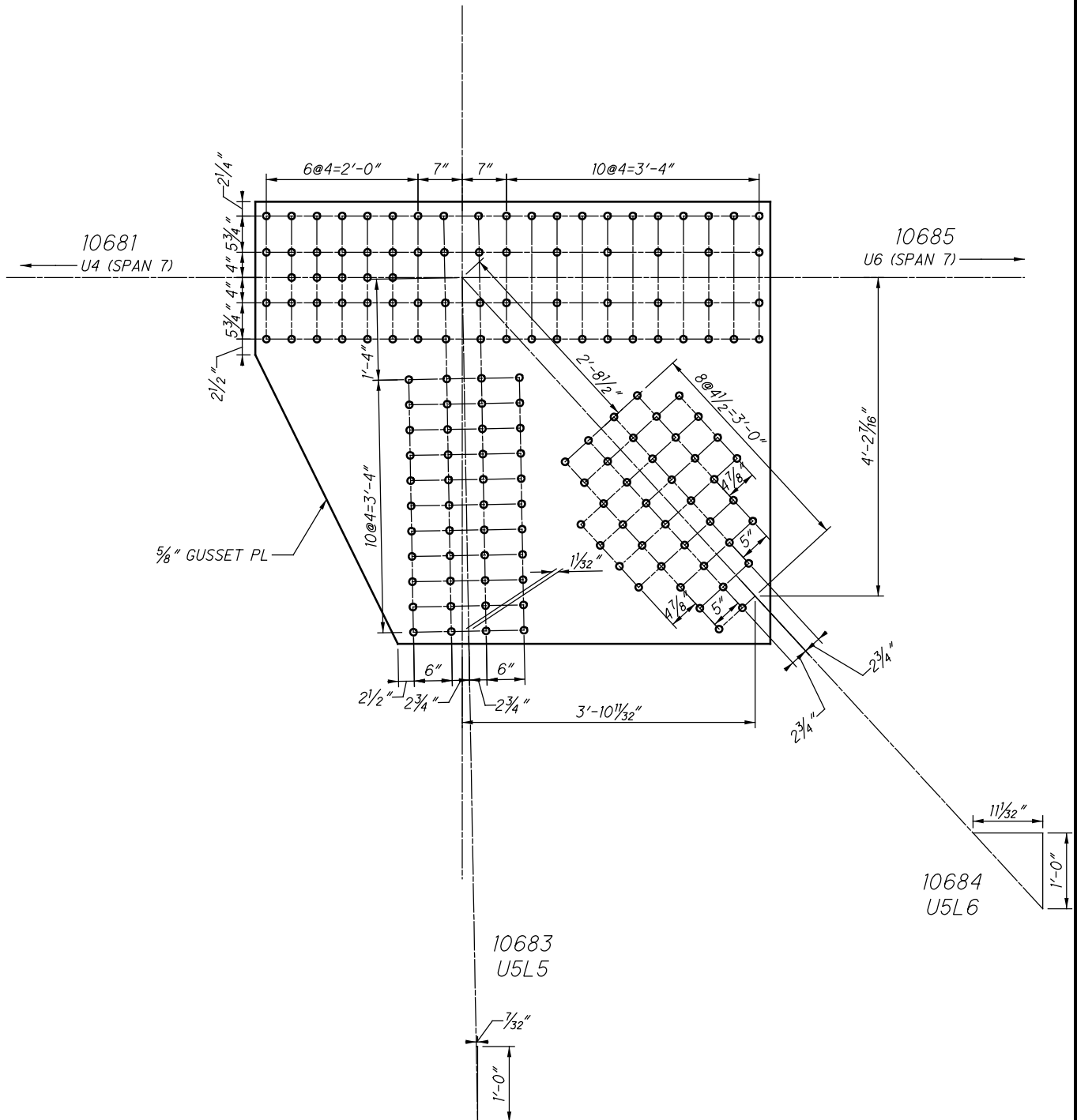
**U67 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



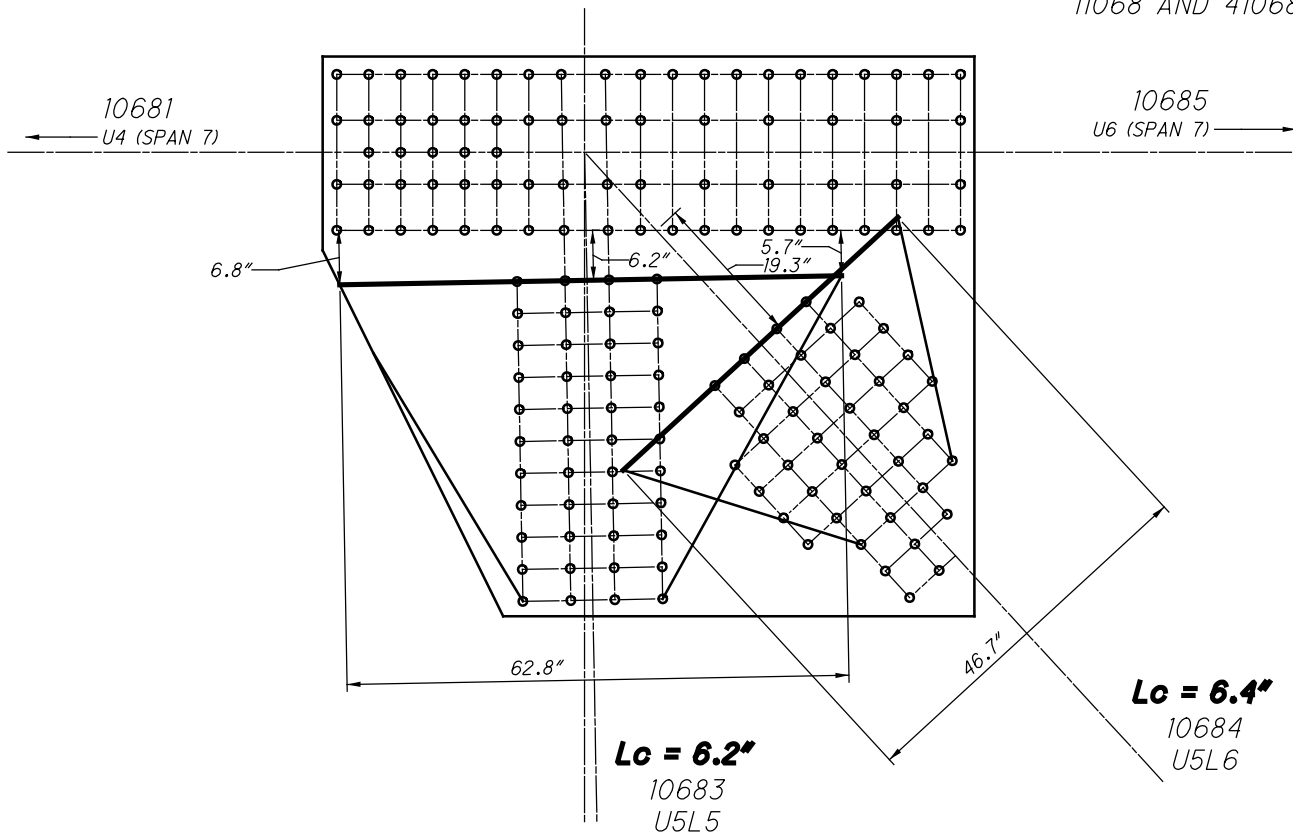
**U67 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



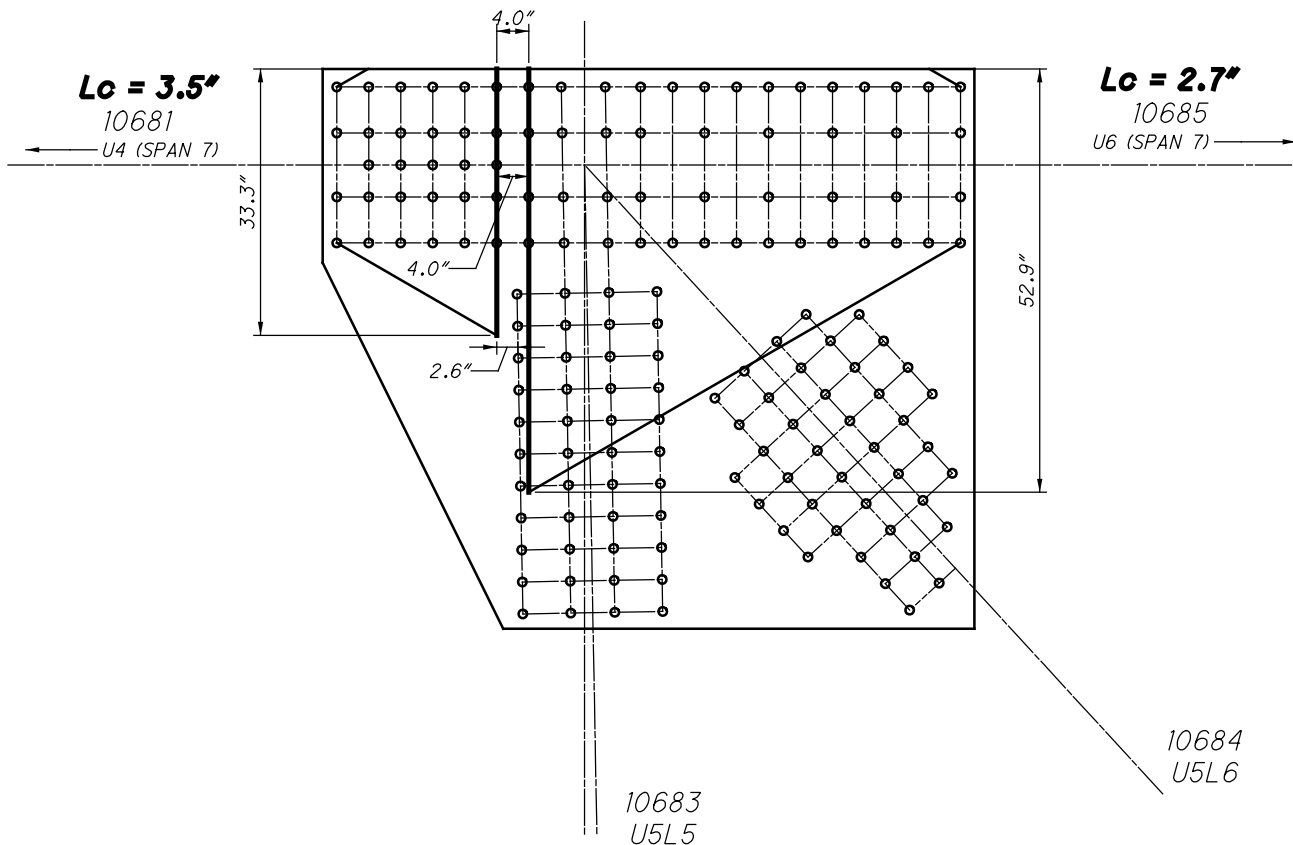
**U67 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



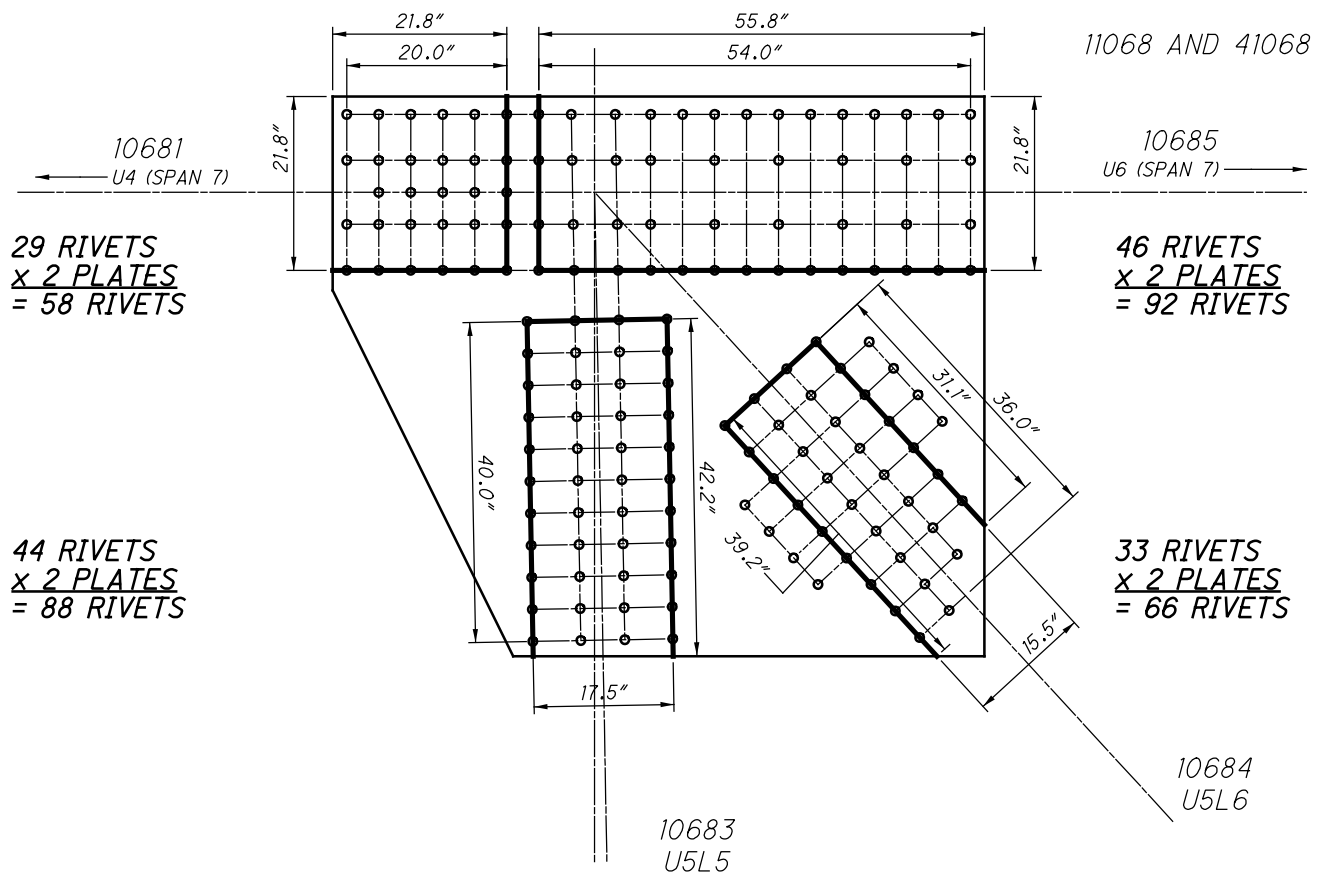
U68 OUTSIDE (SPAN 12)



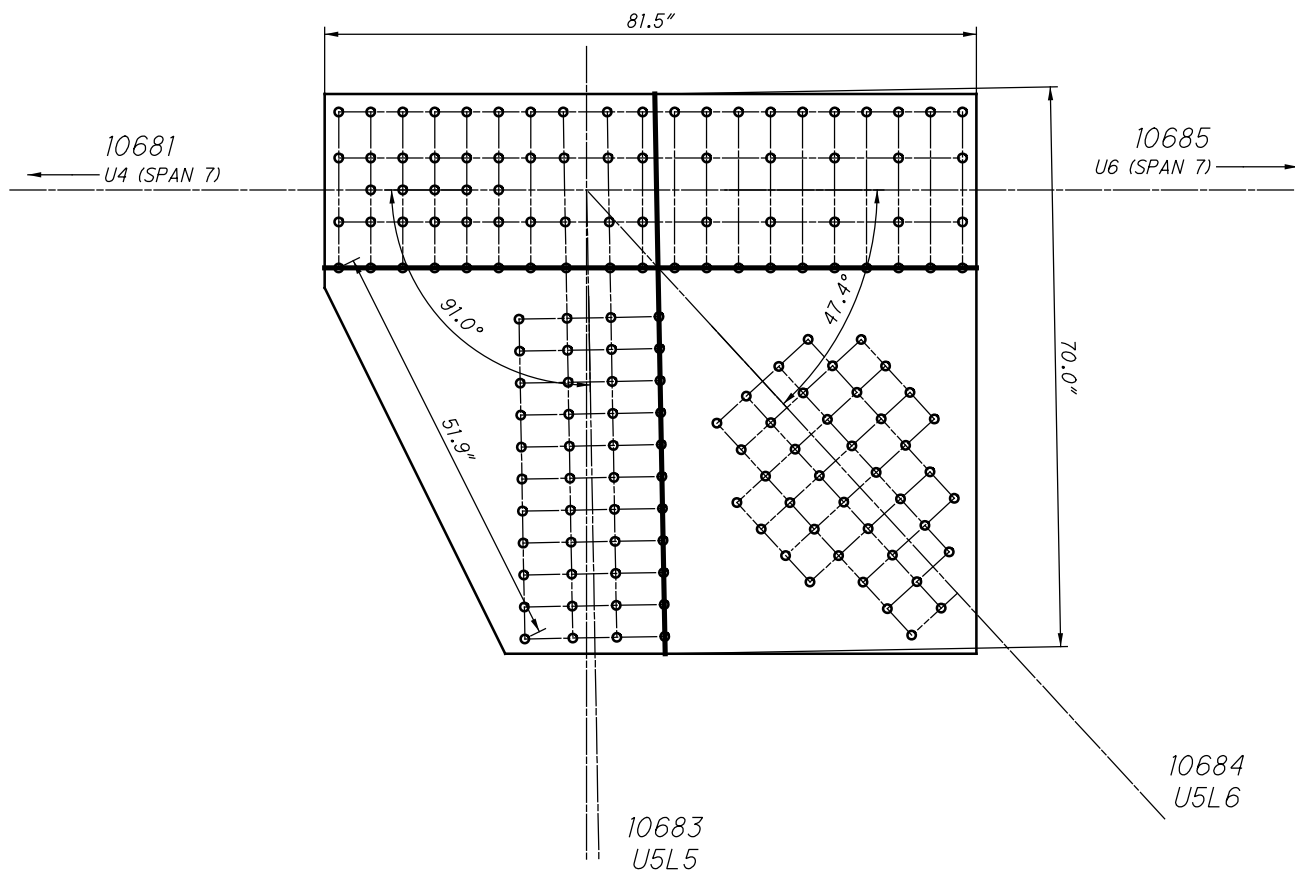
**U68 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



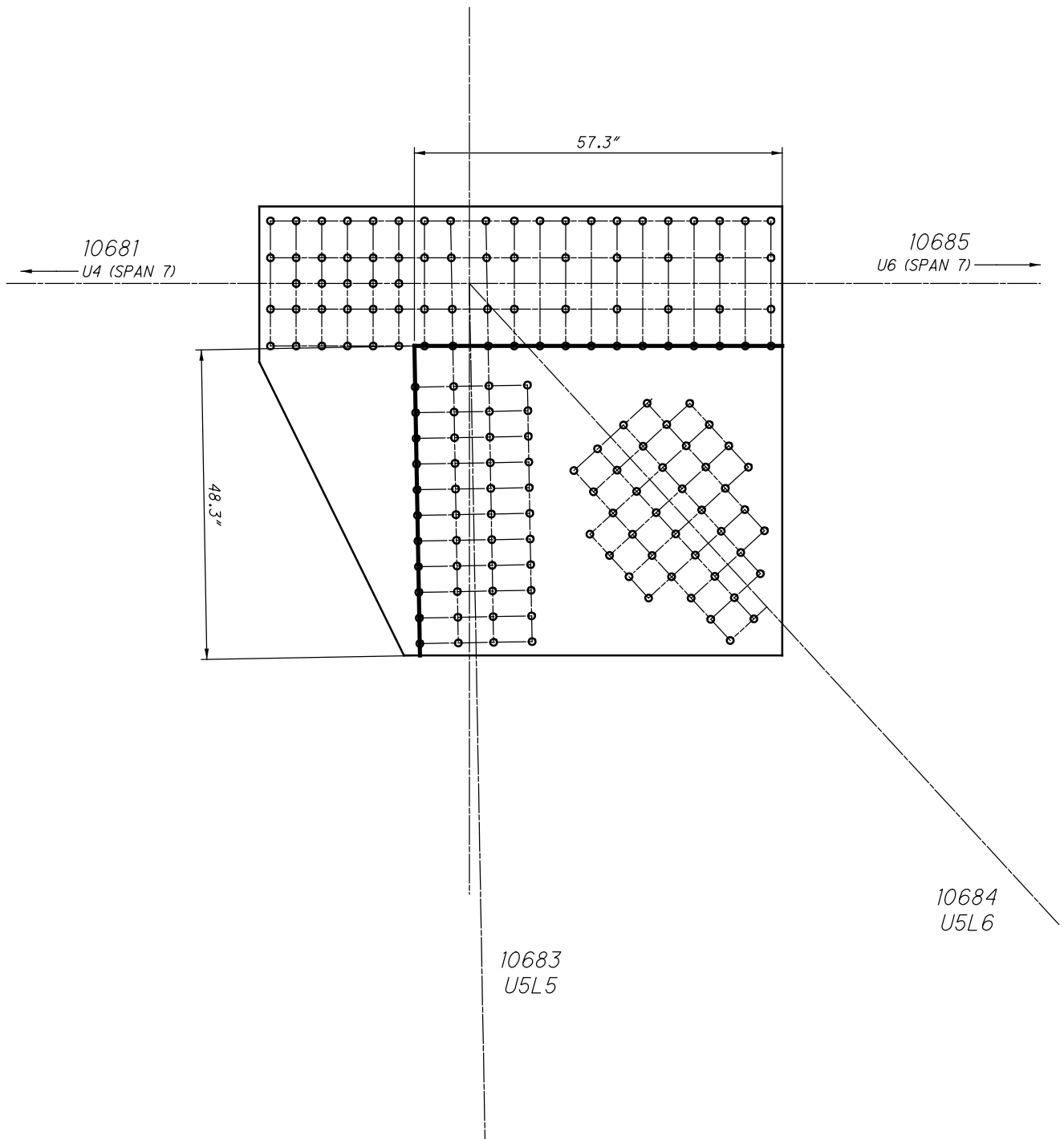
**U68 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



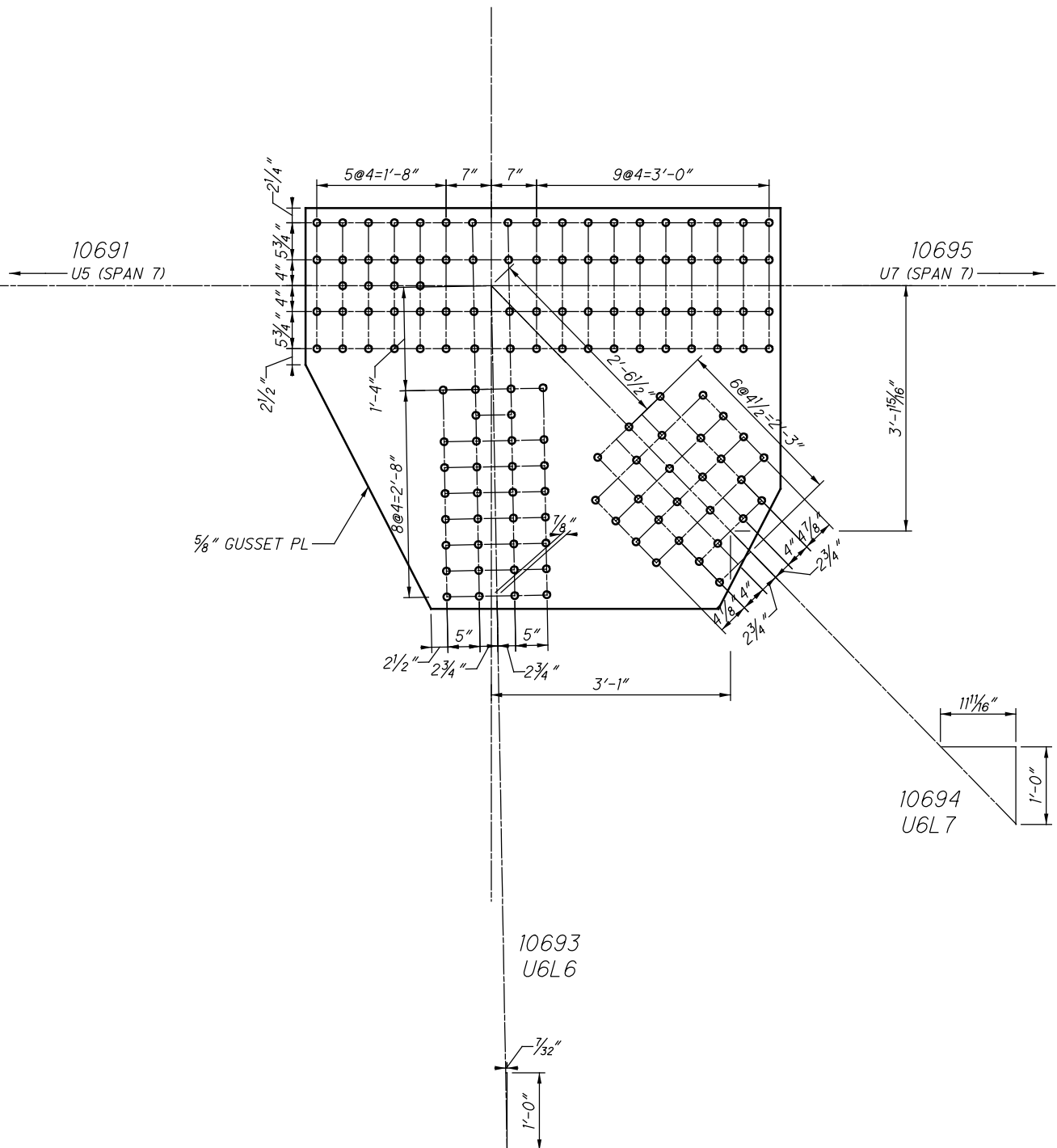
**U68 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



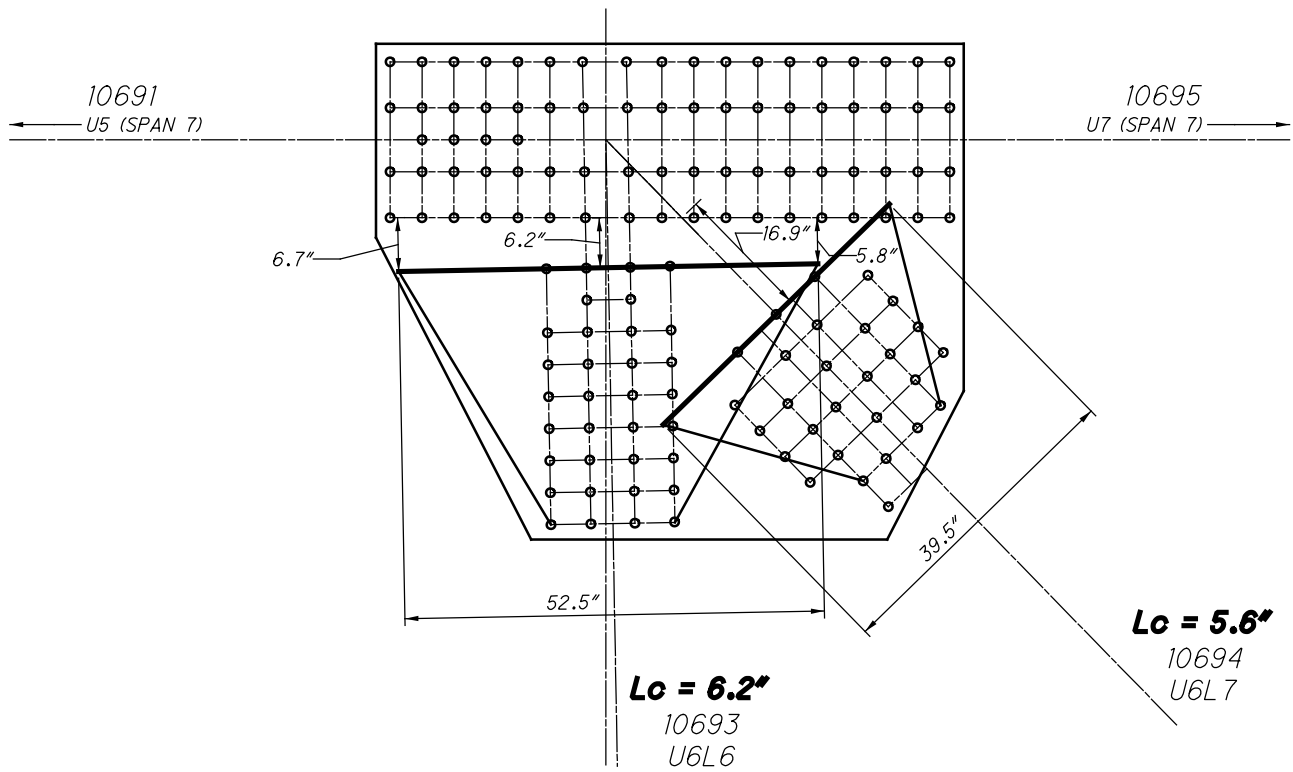
**U68 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



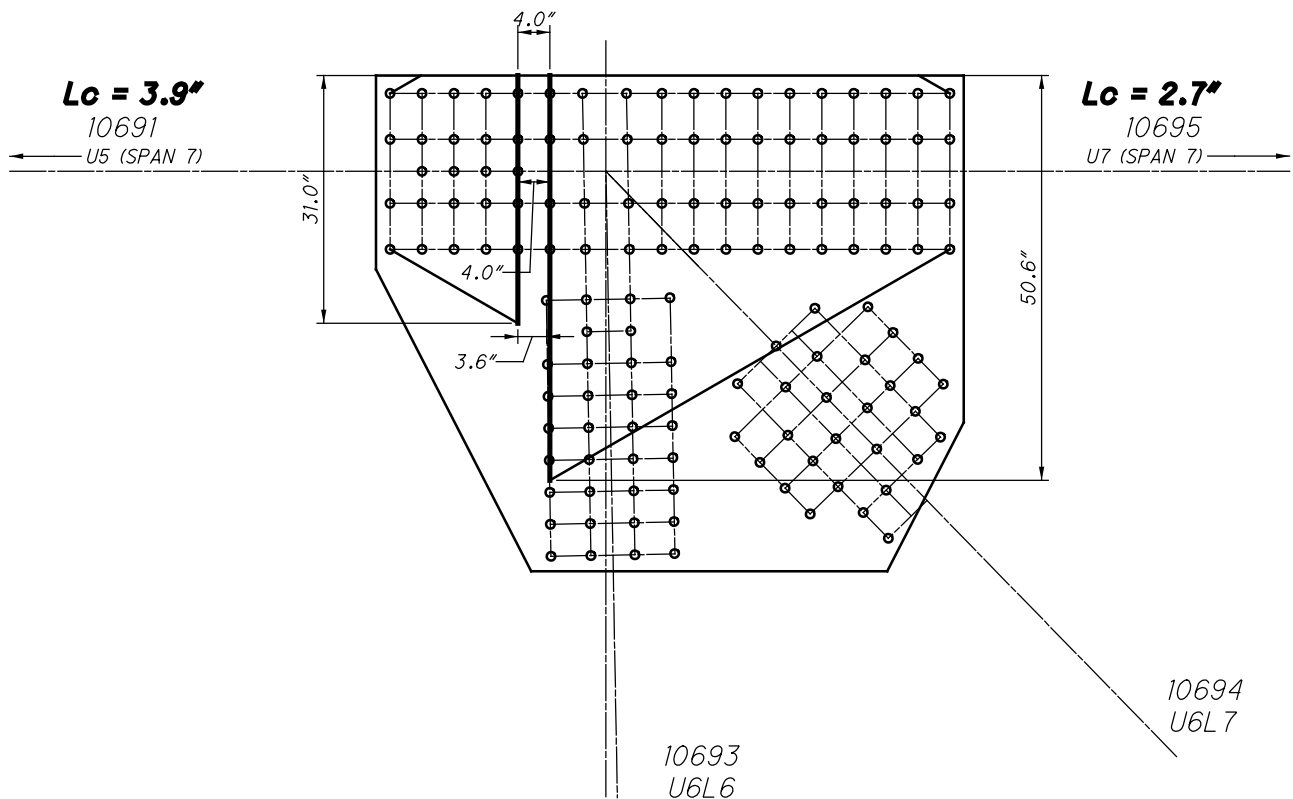
**U68 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



U69 OUTSIDE (SPAN 12)

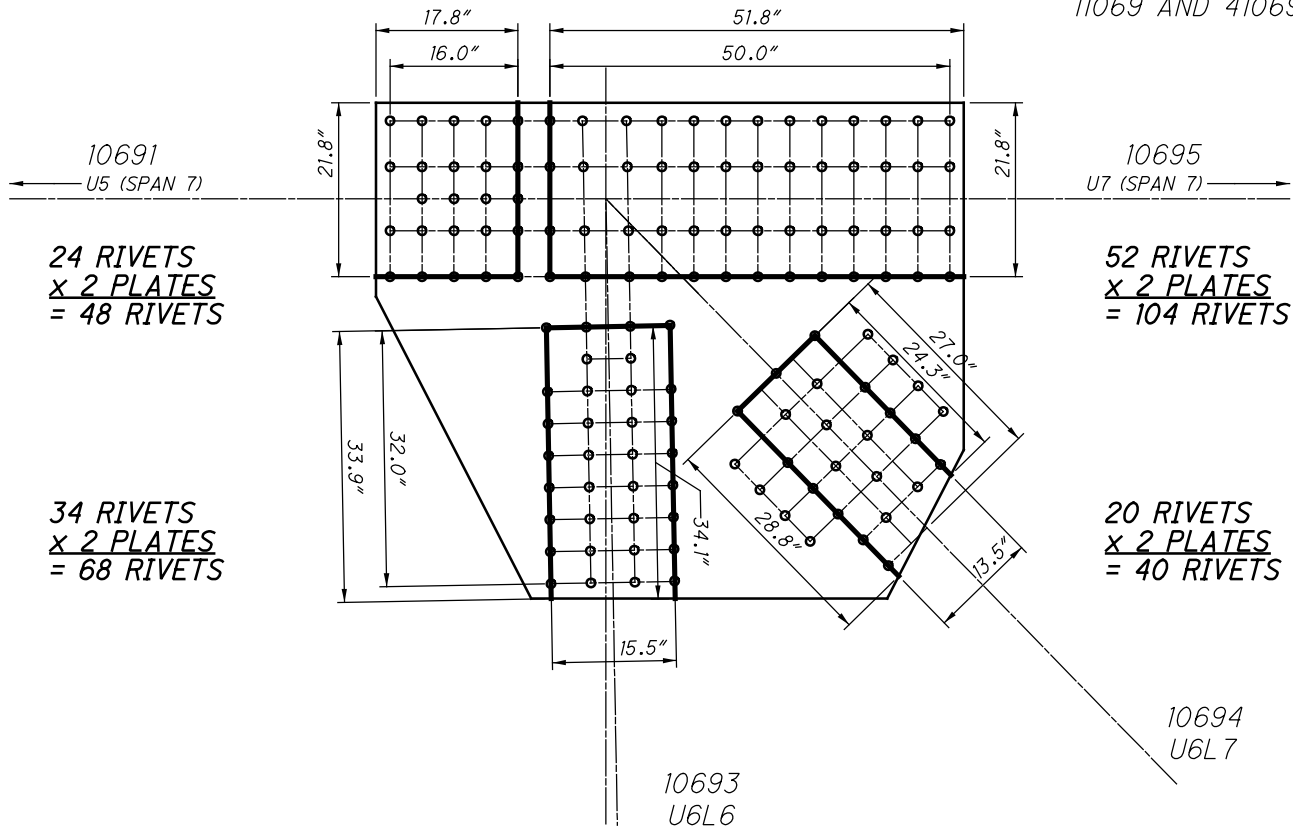


**U69 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

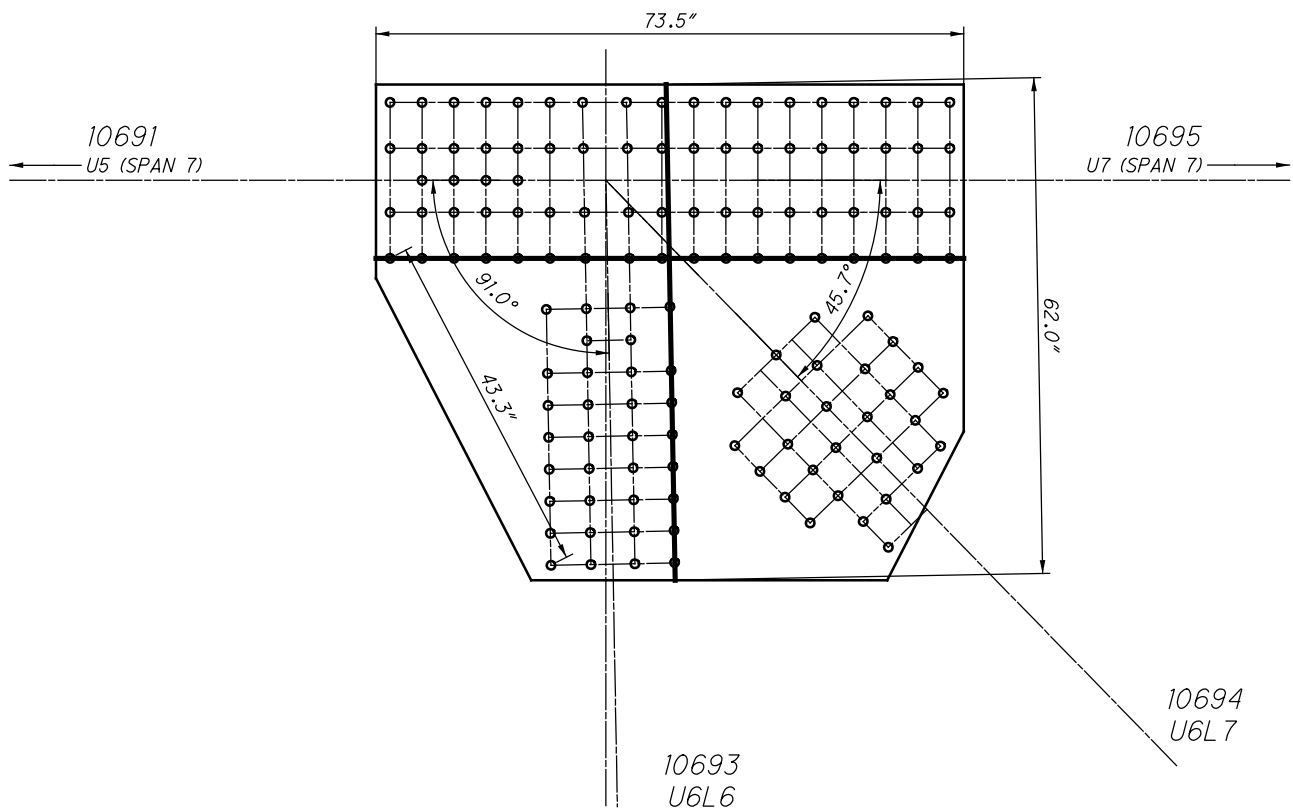


**U69 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

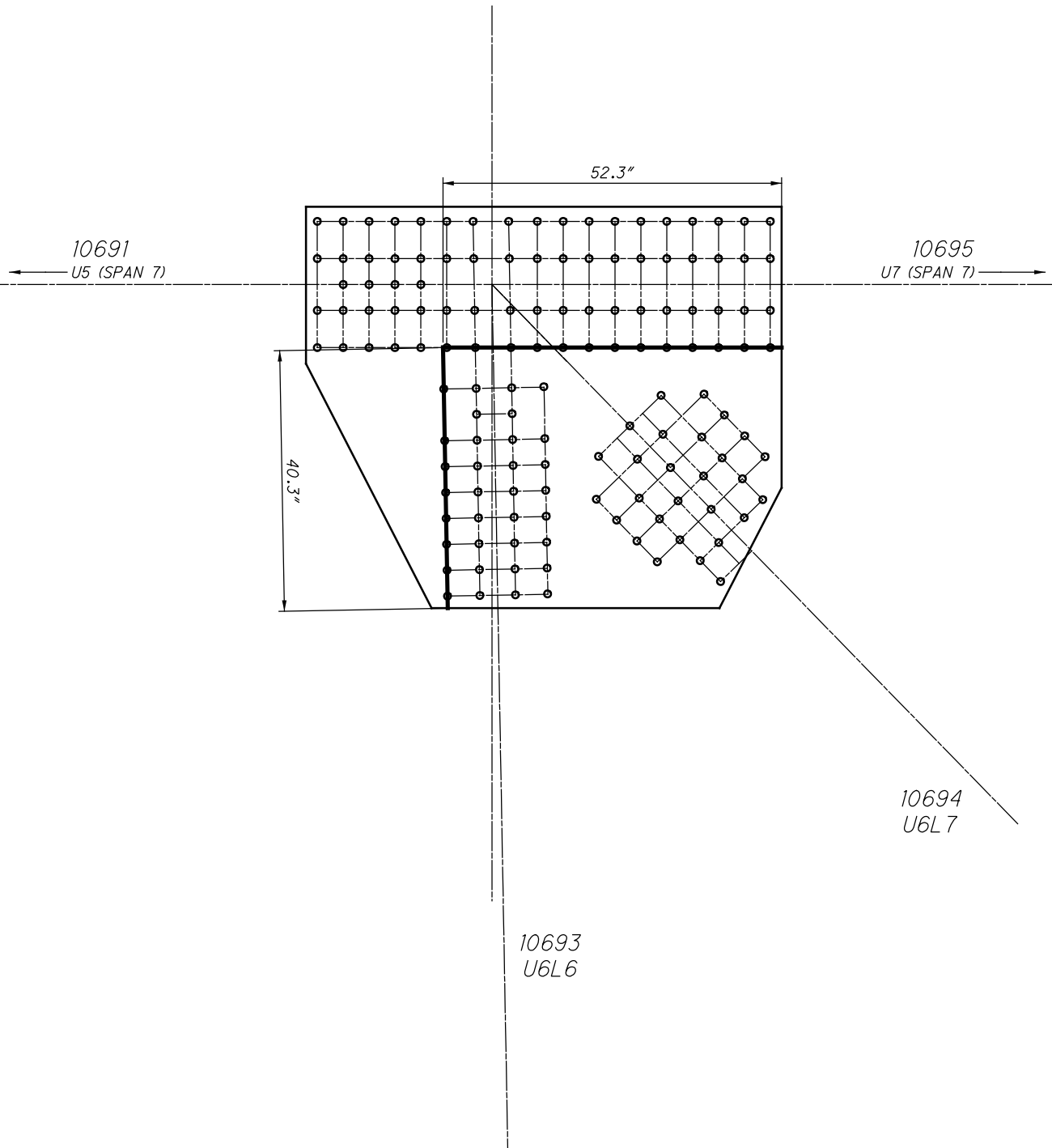
11069 AND 41069



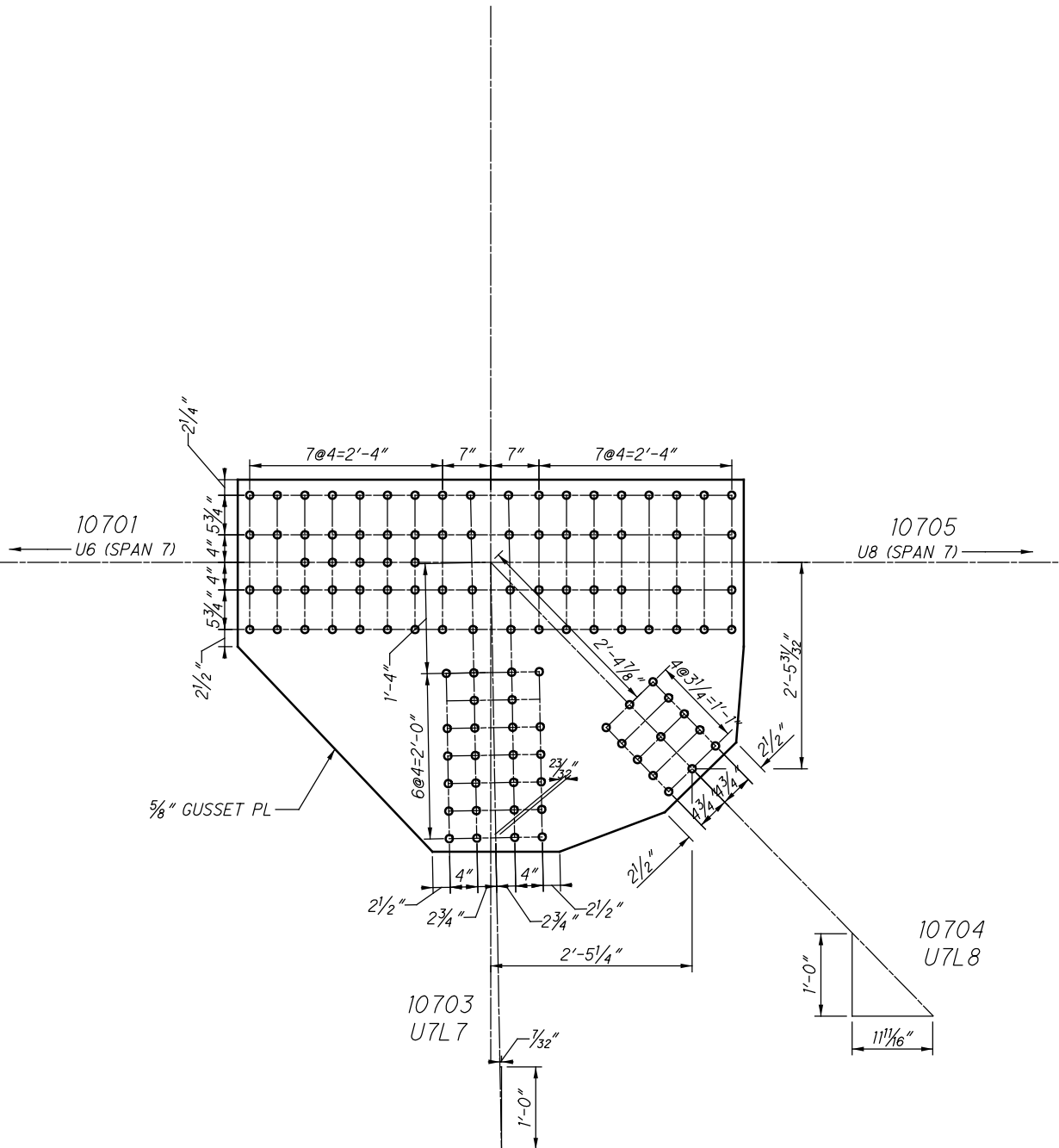
**U69 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



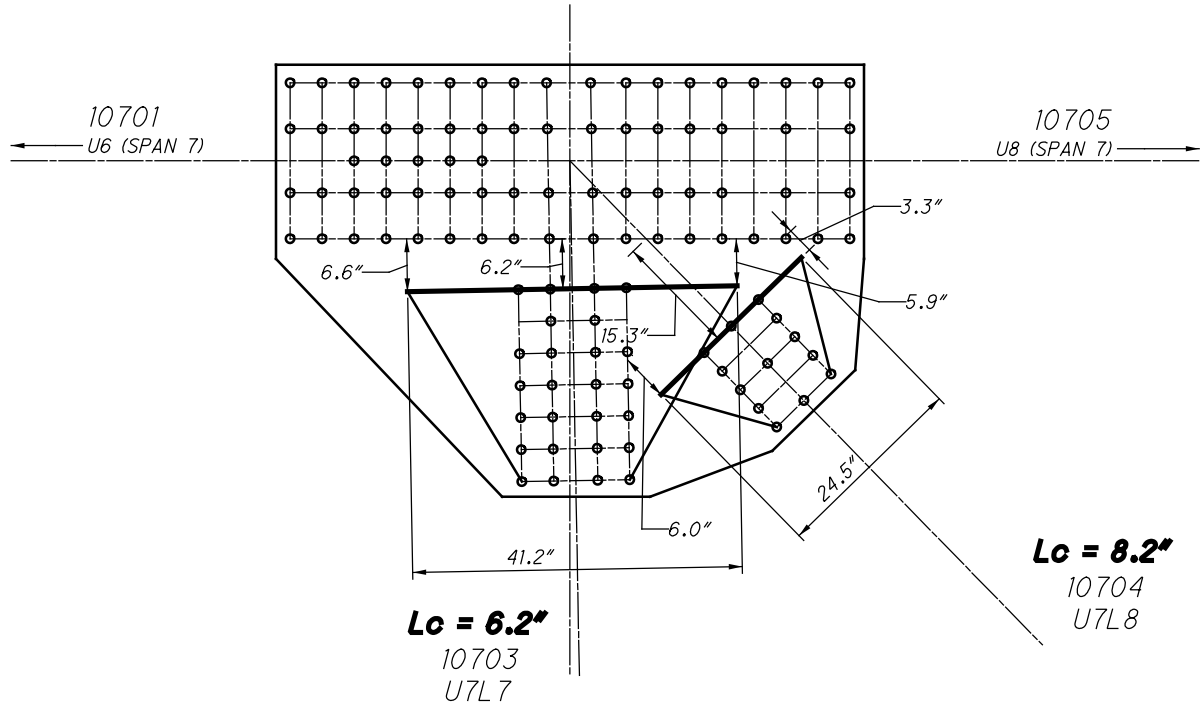
**U69 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



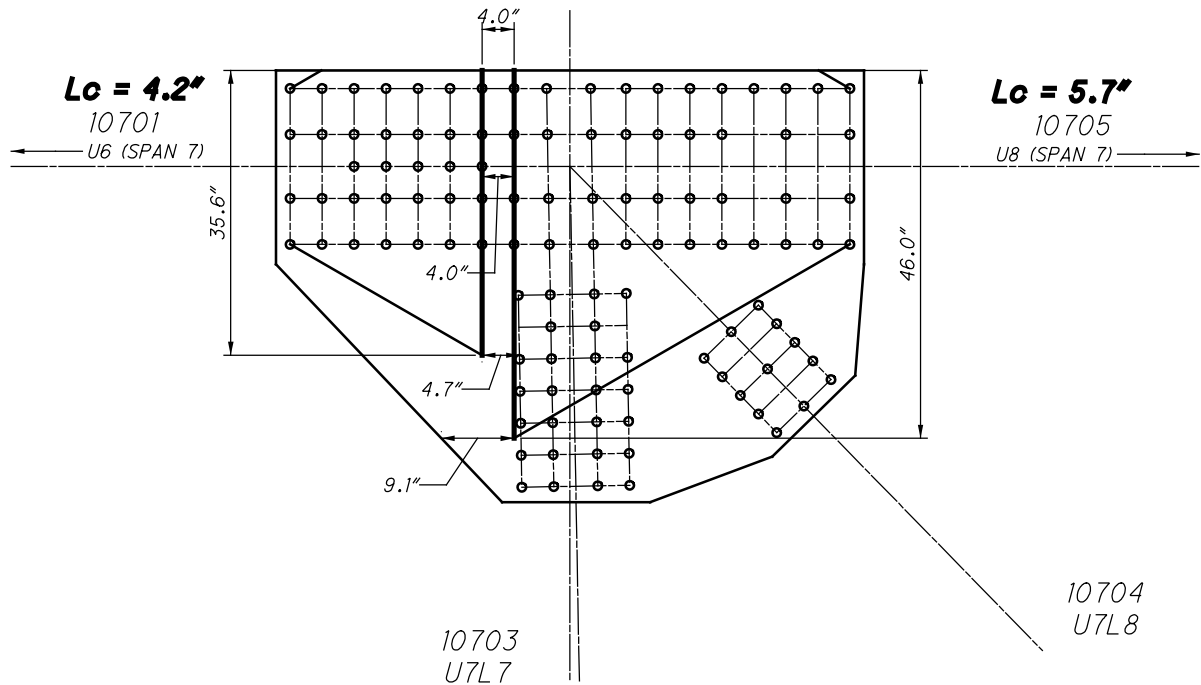
**U69 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



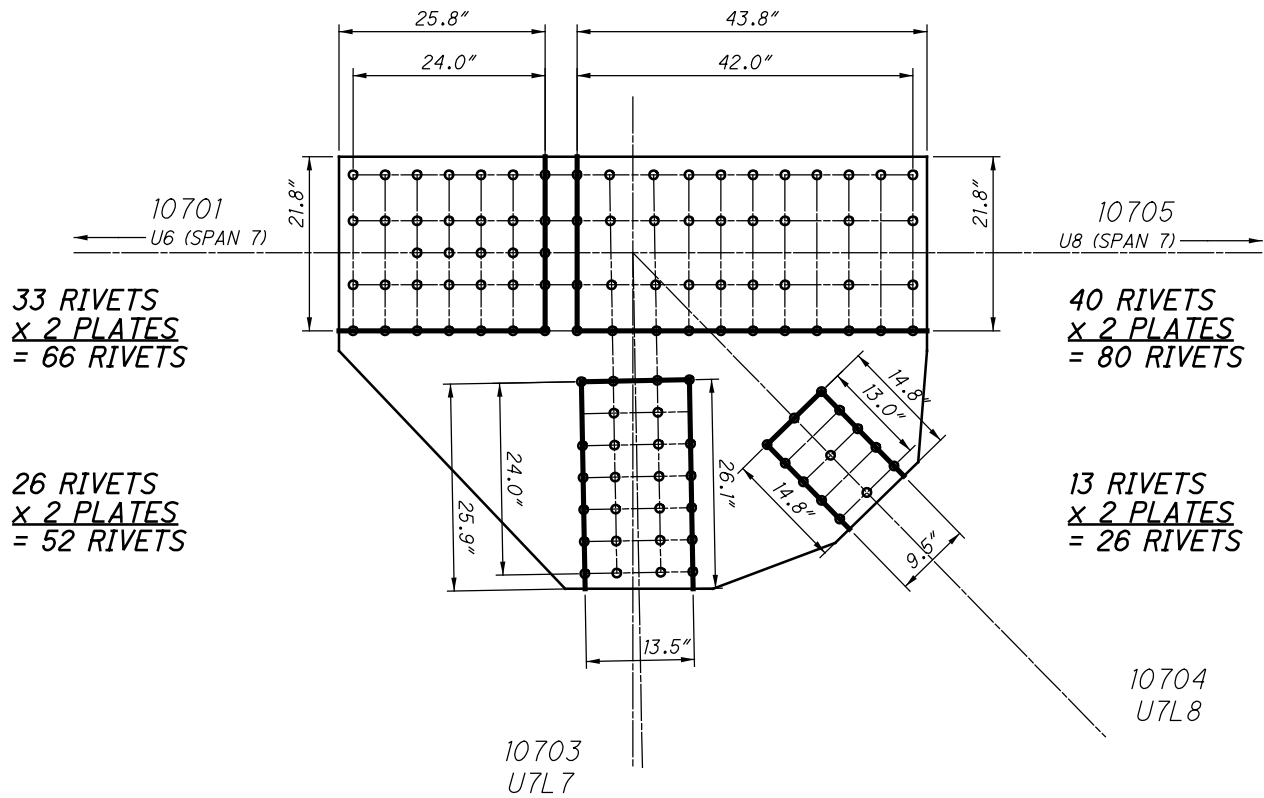
U70 OUTSIDE (SPAN 12)



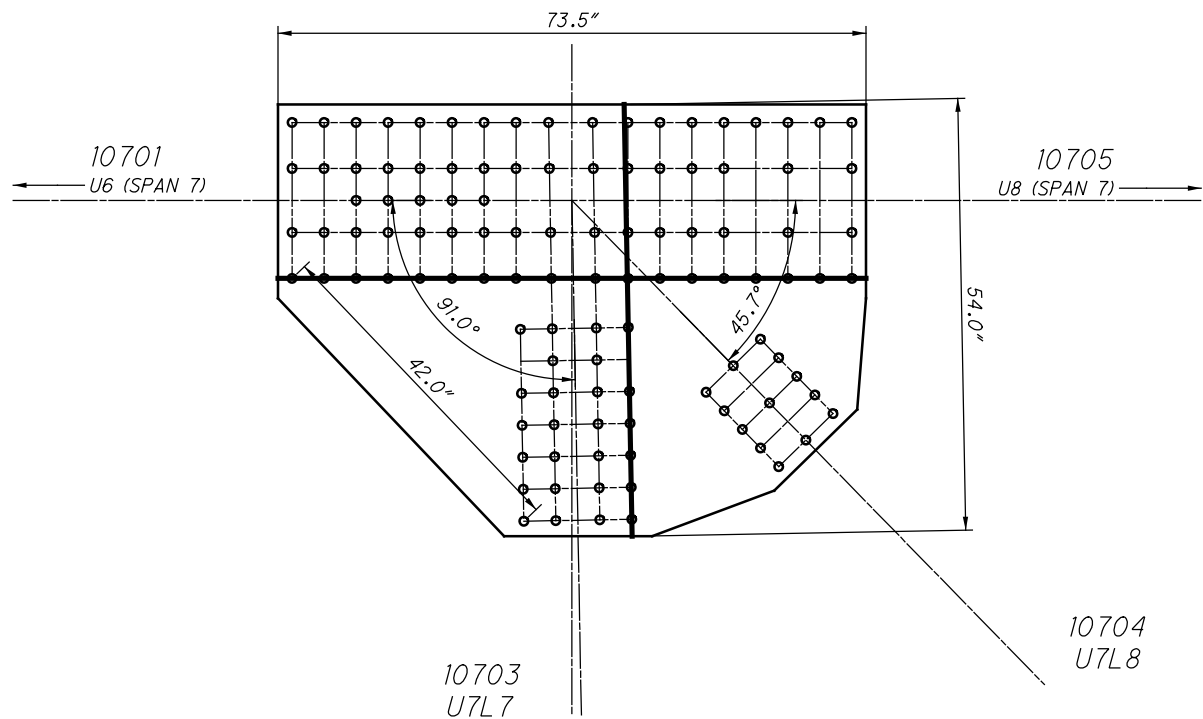
**U70 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



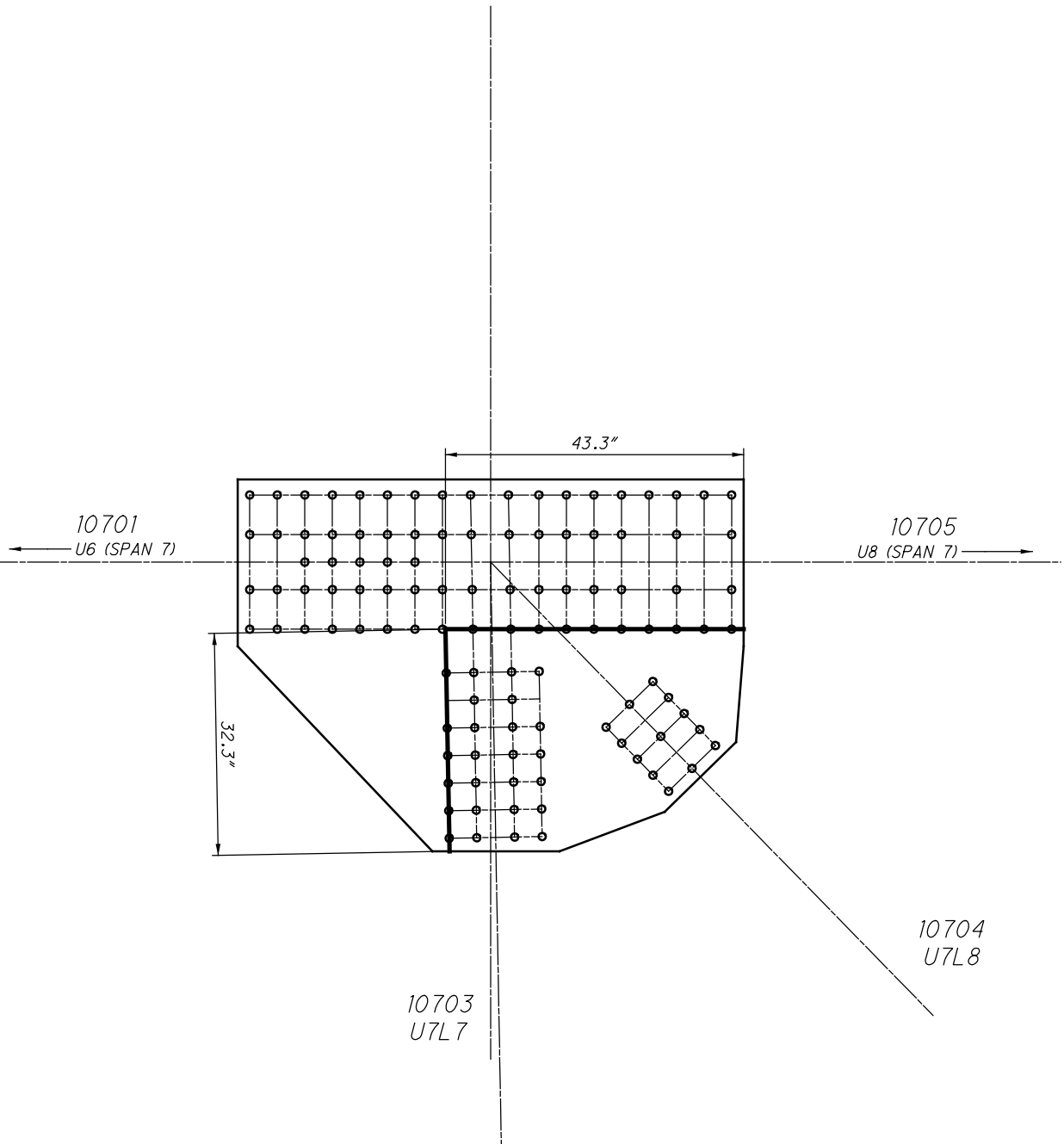
**U70 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



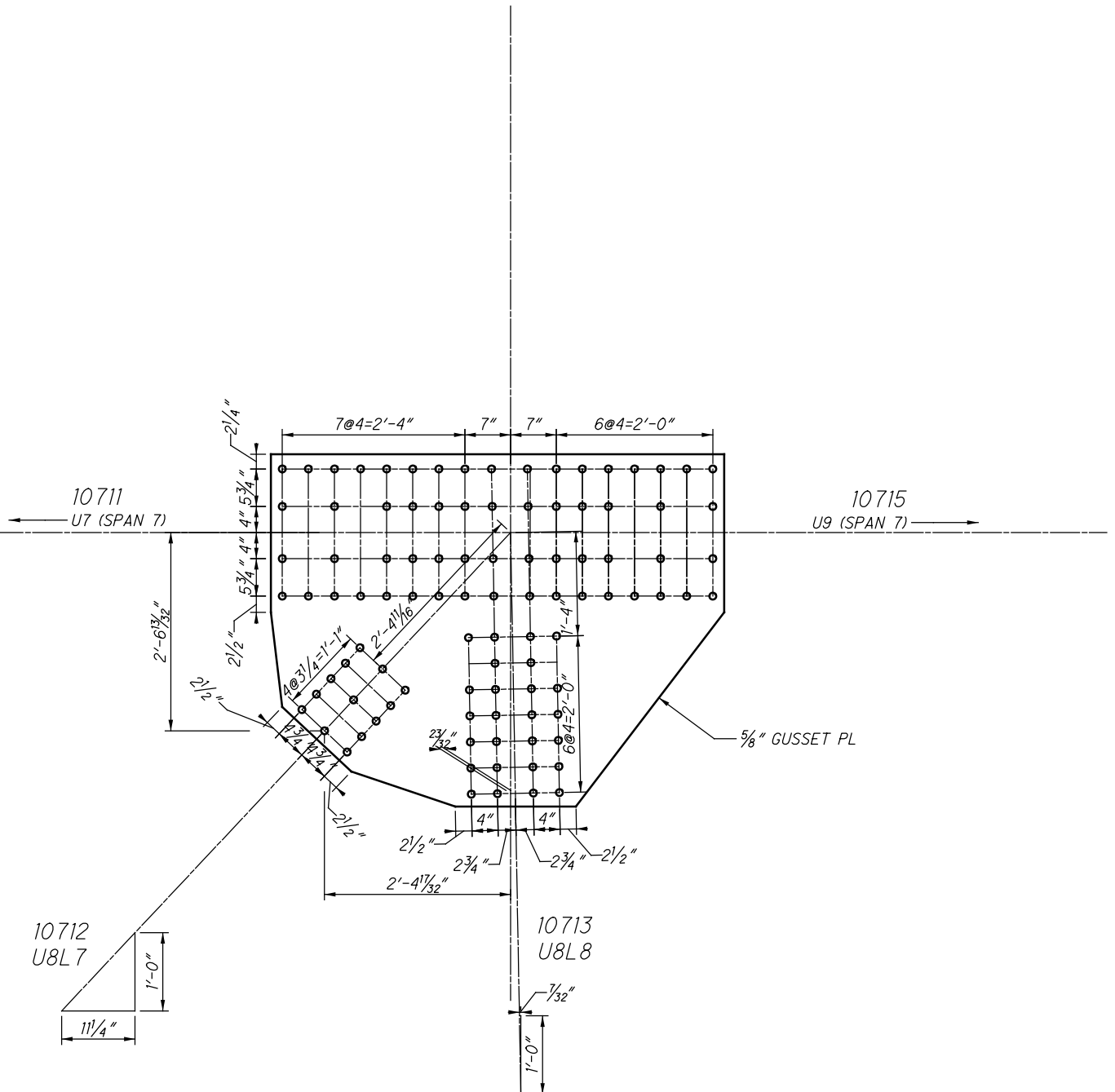
**U70 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



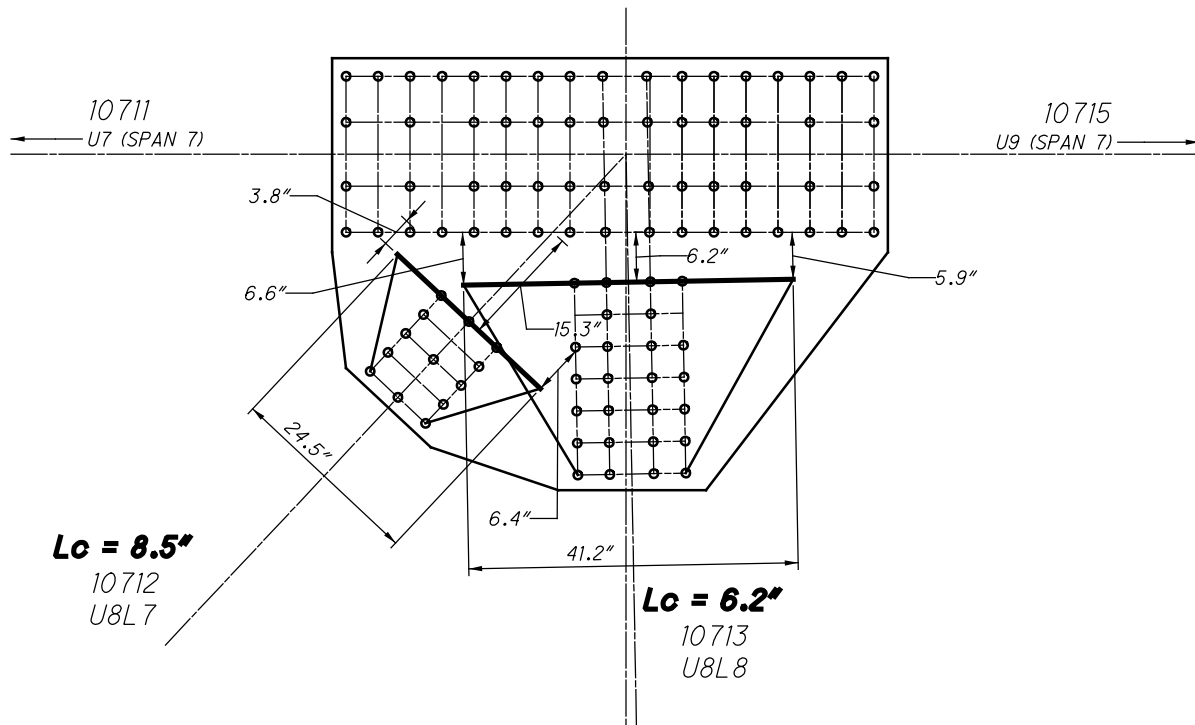
**U70 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



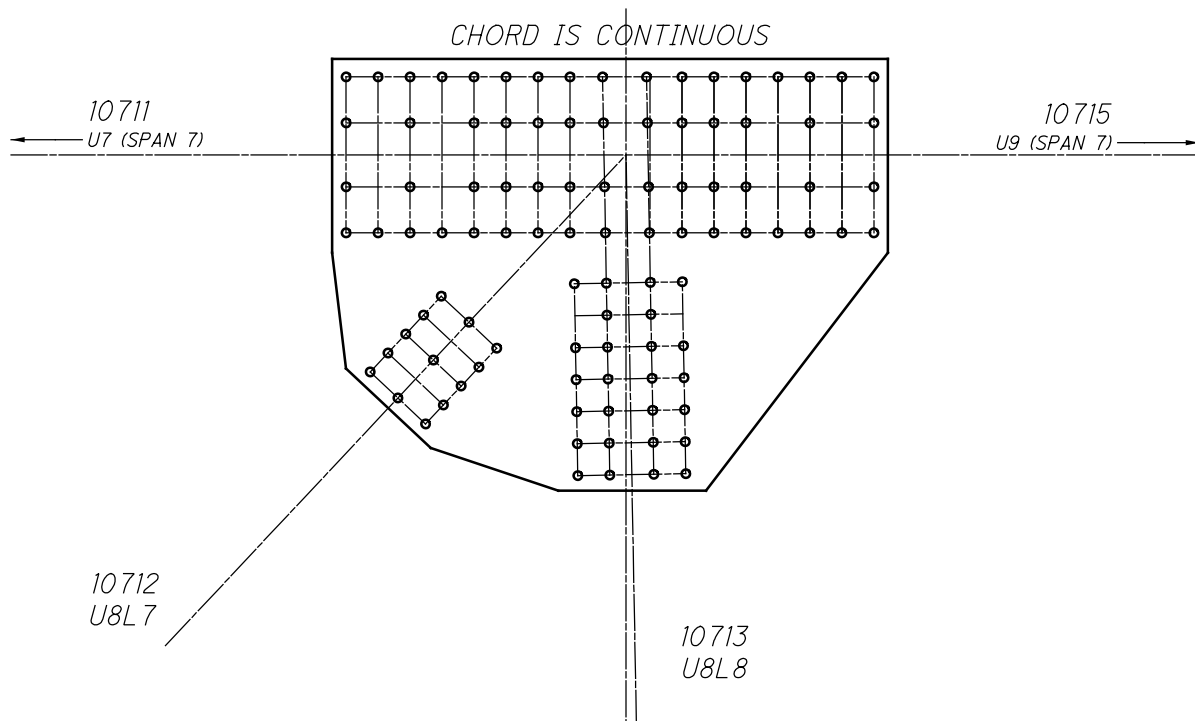
**U70 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



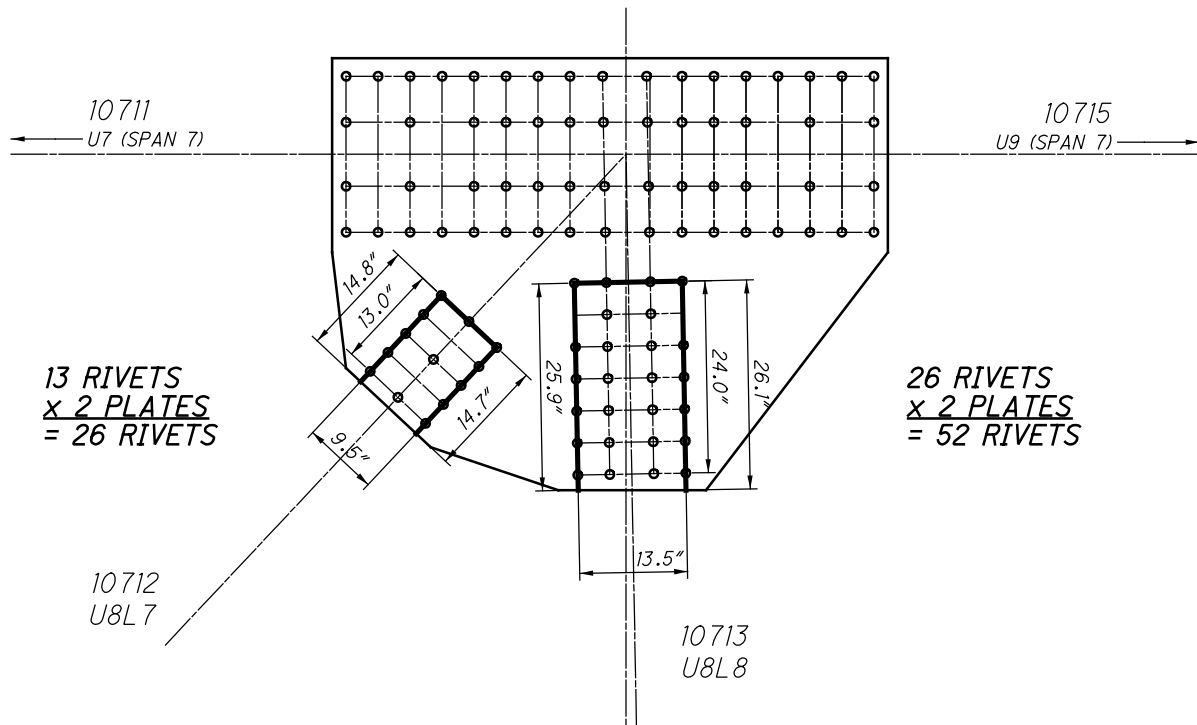
U71 OUTSIDE (SPAN 12)



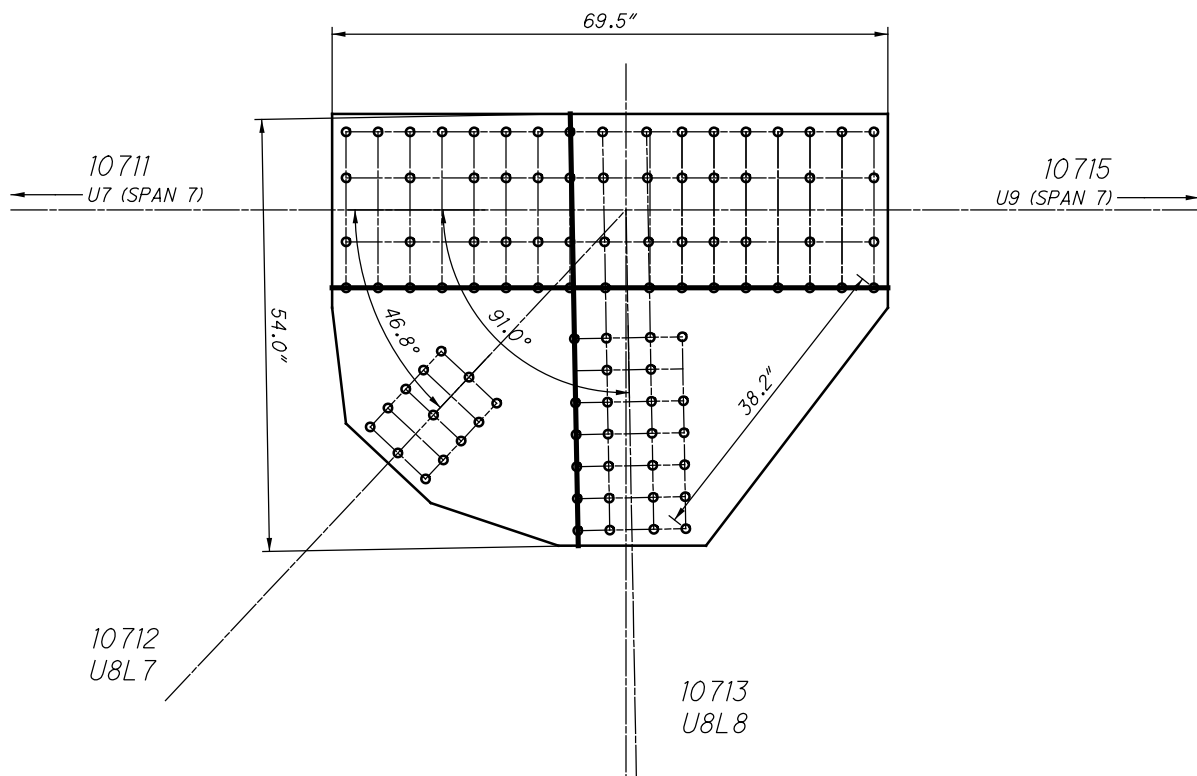
**U71 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



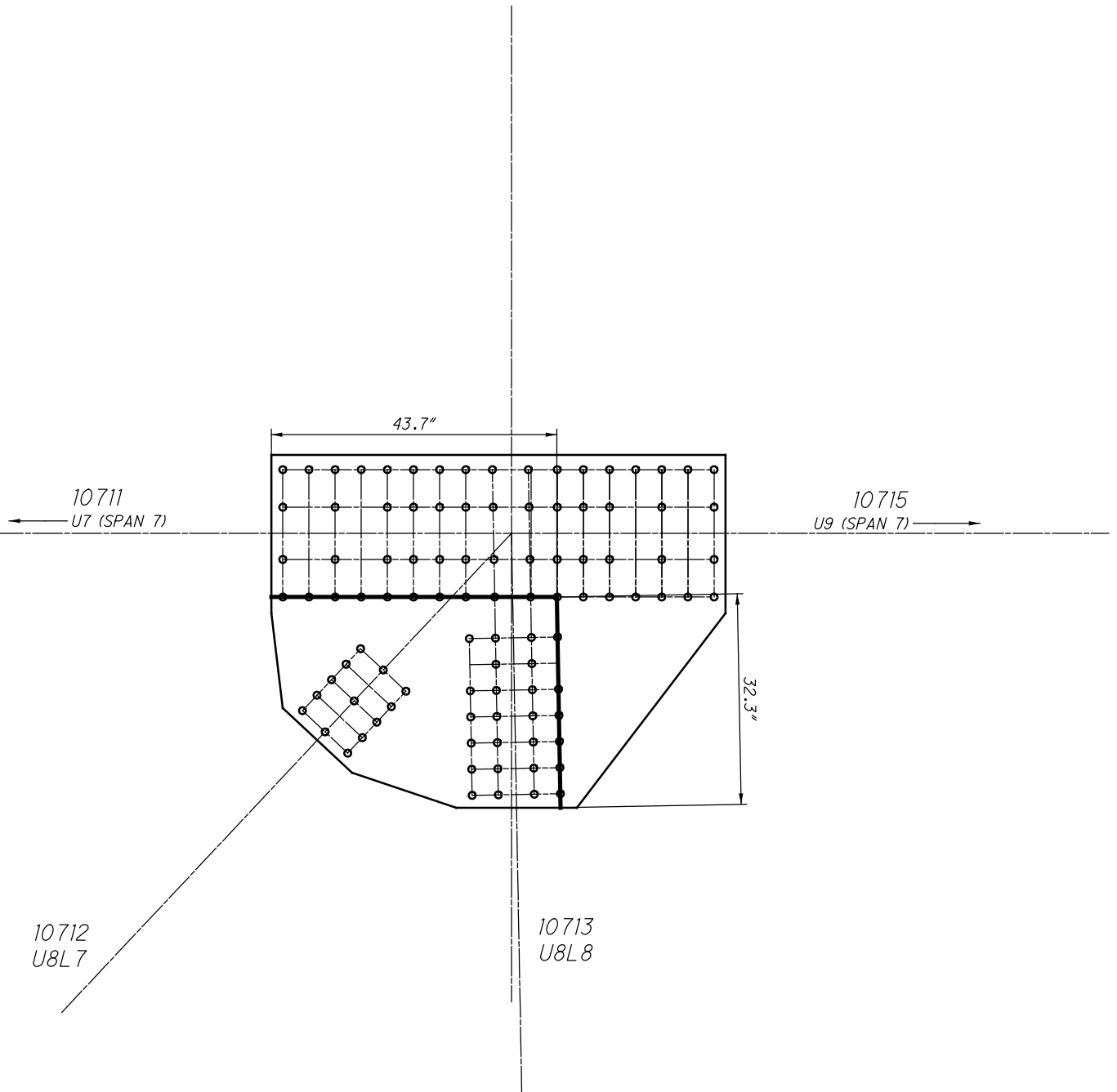
**U71 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



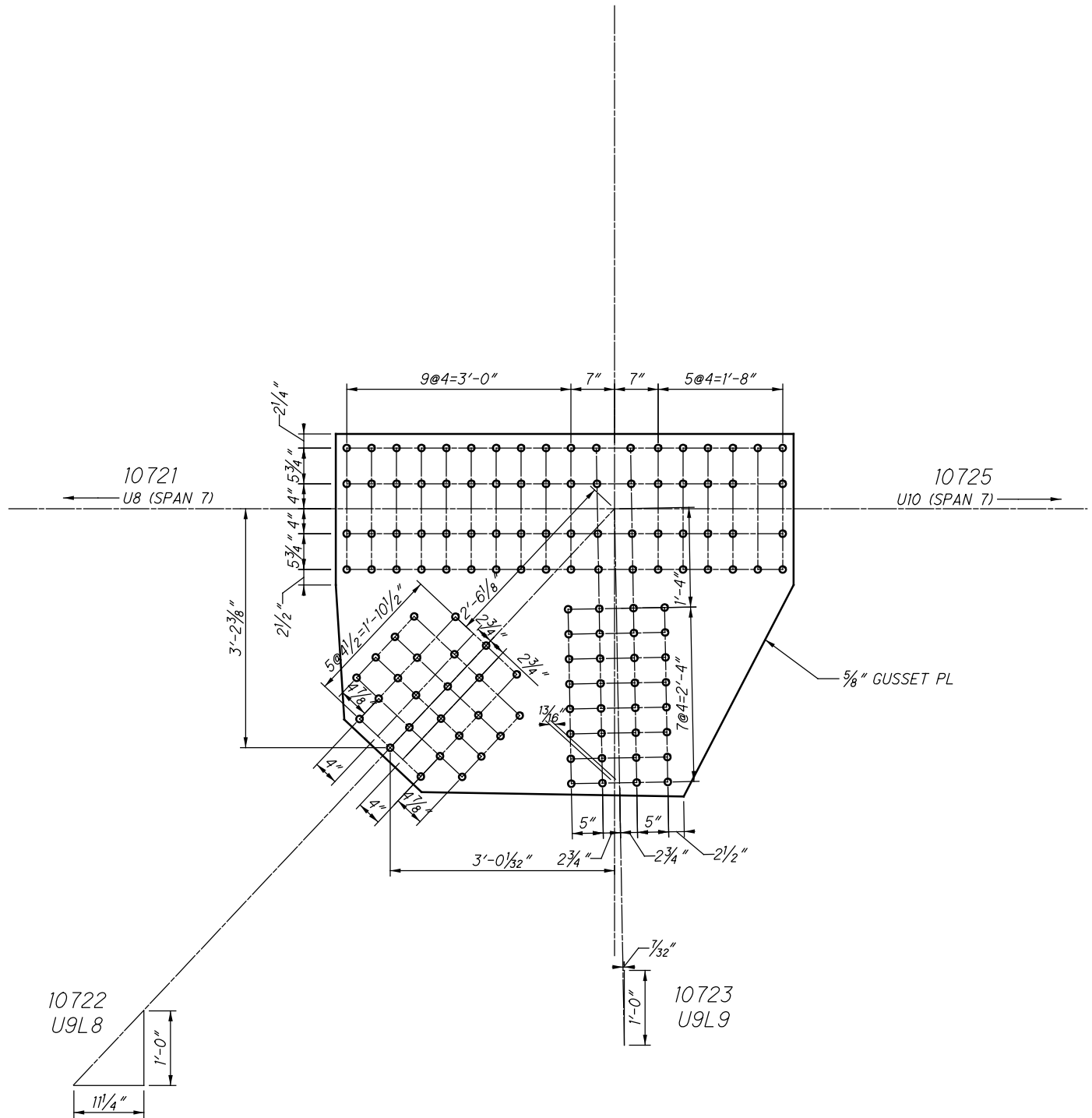
**U71 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



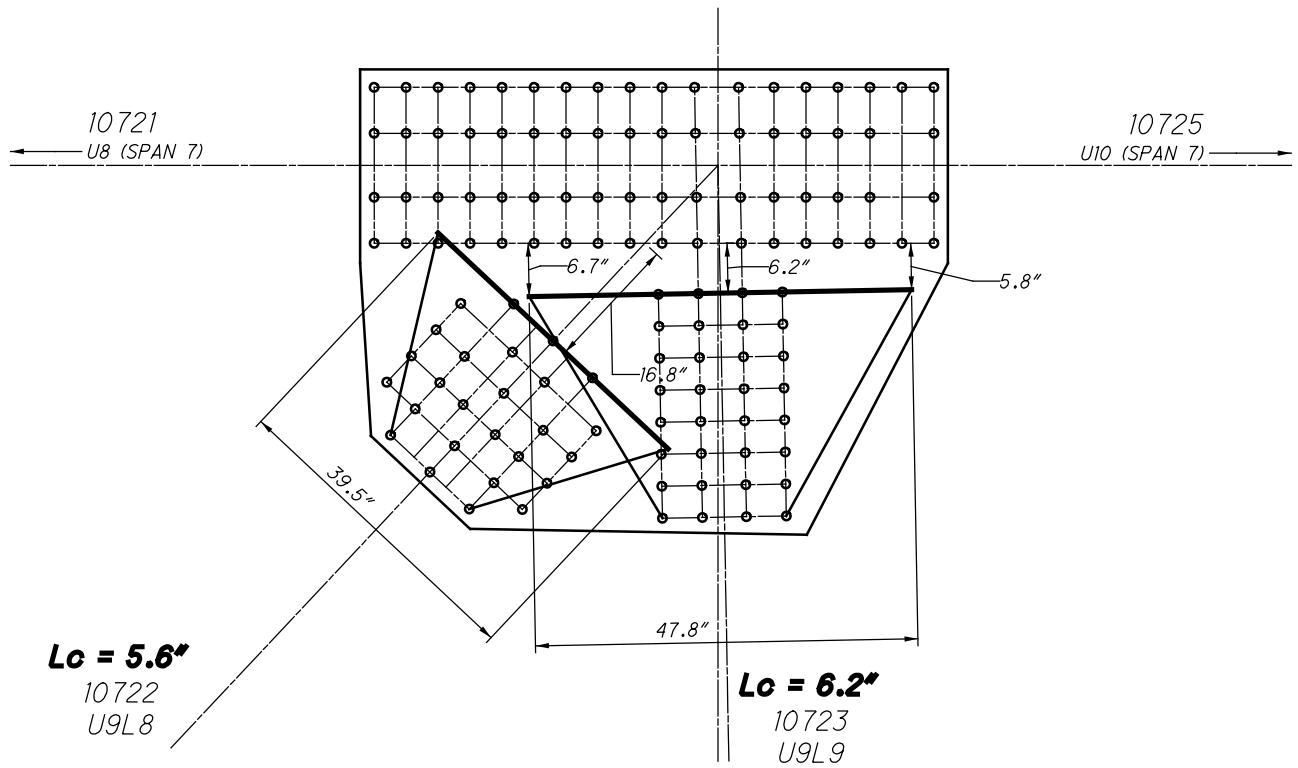
**U71 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



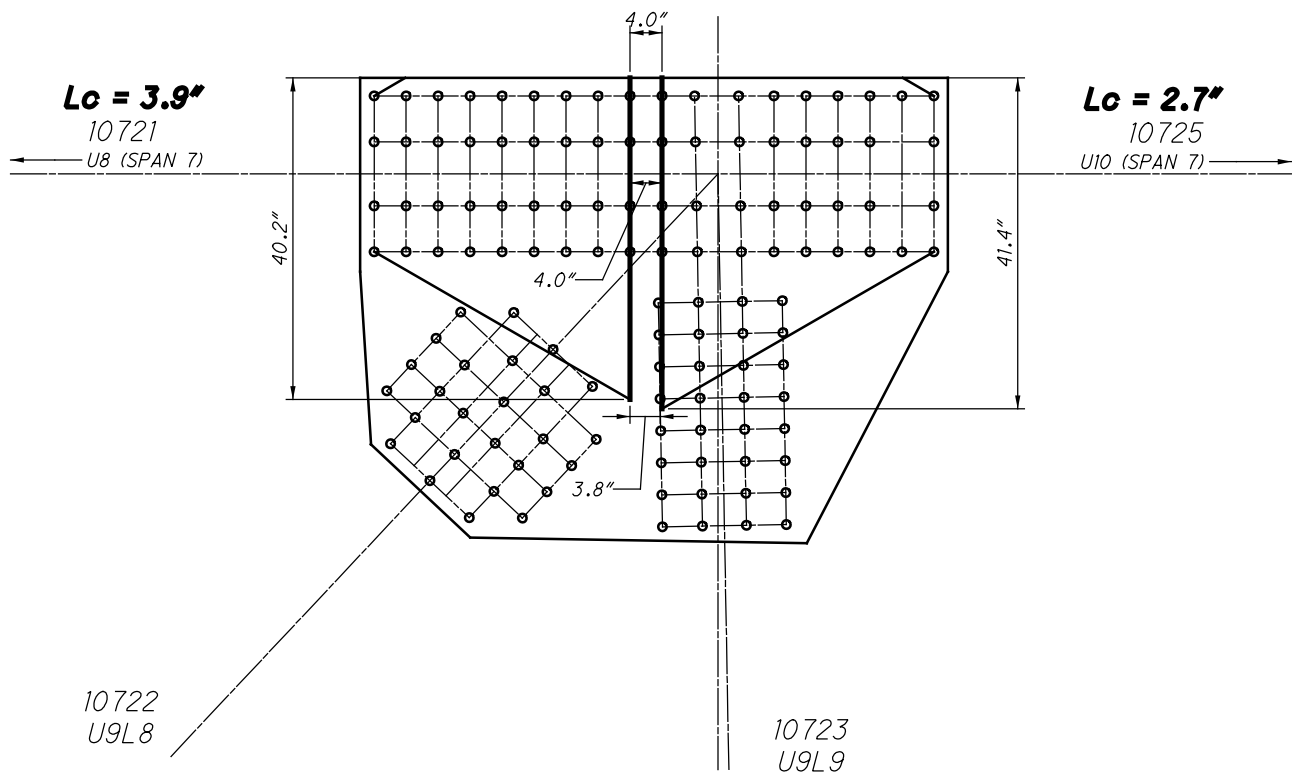
**U71 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



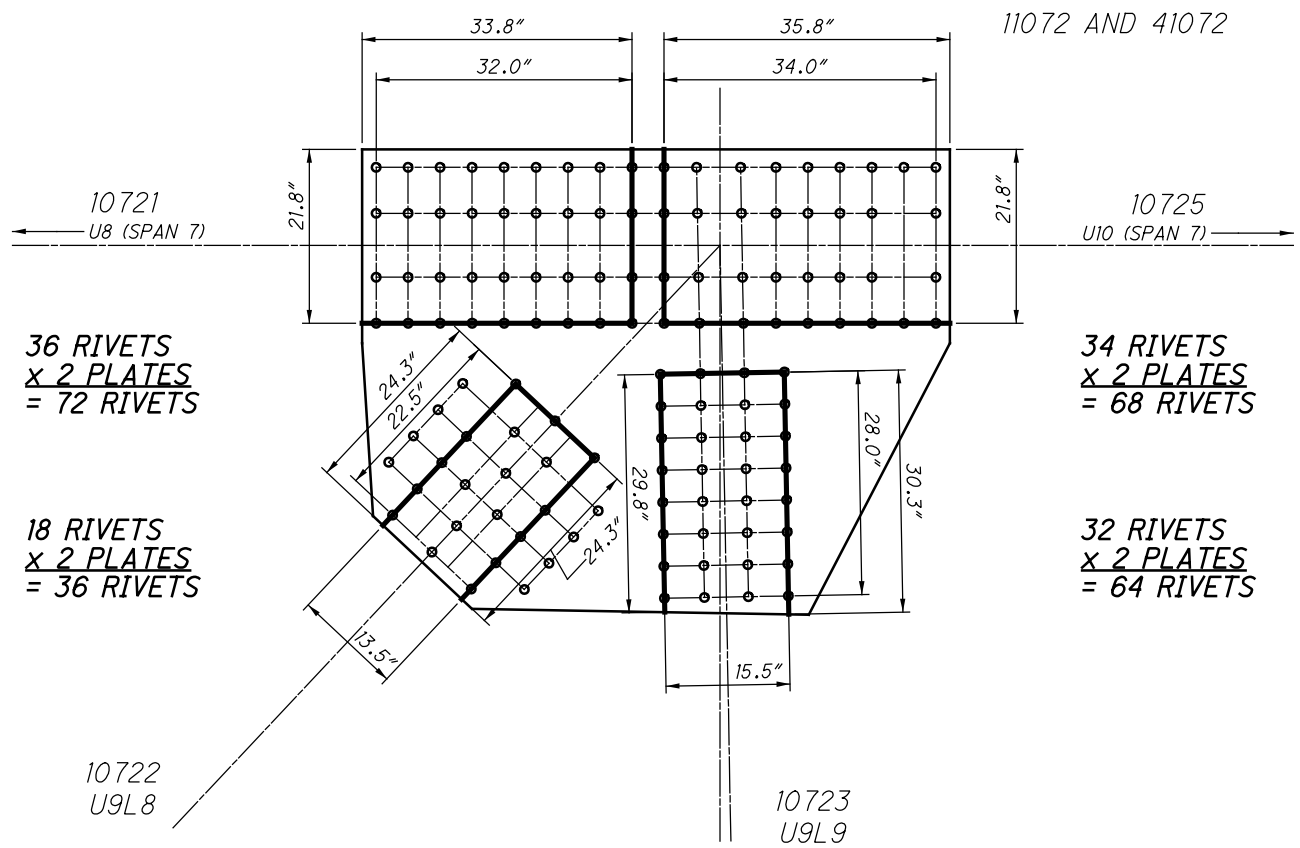
U72 OUTSIDE (SPAN 12)



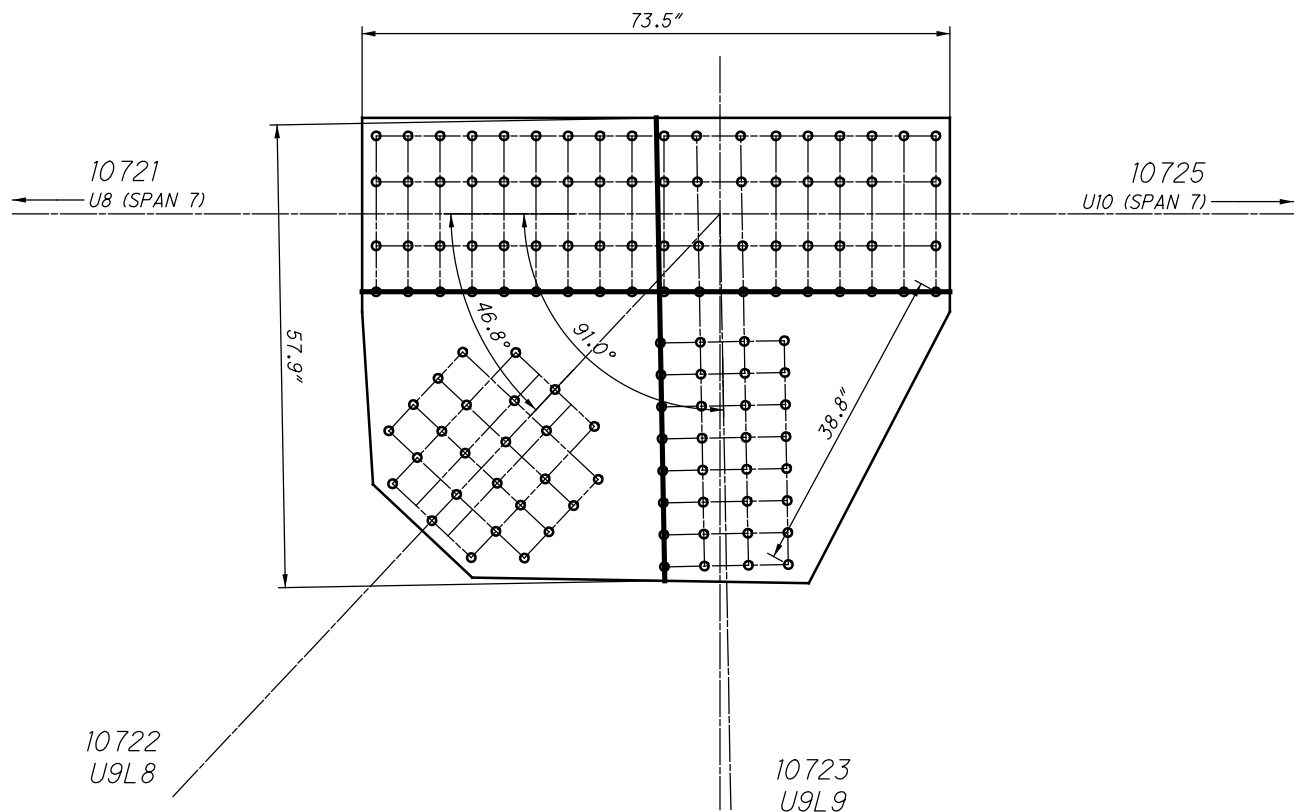
**U72 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



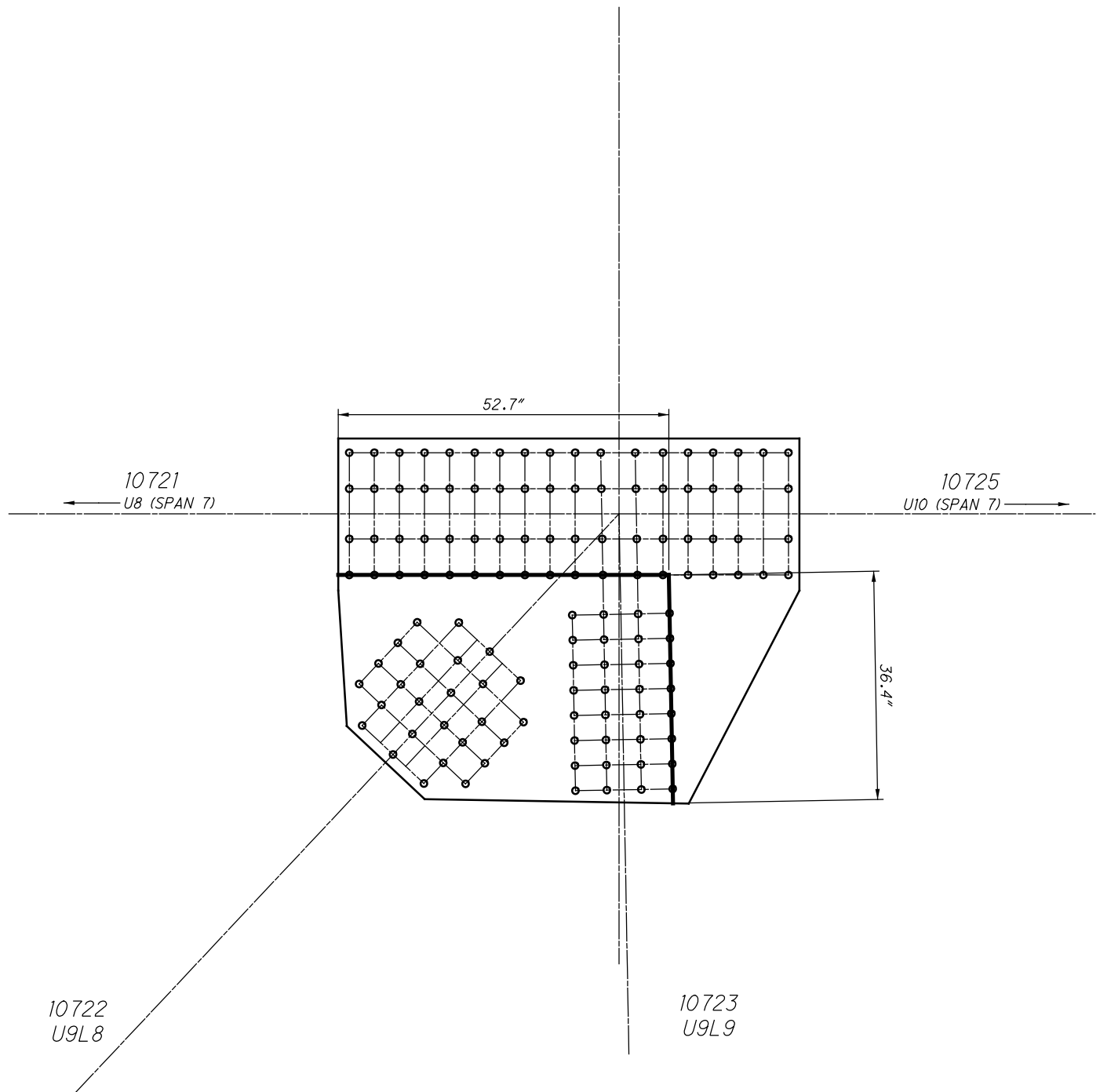
**U72 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



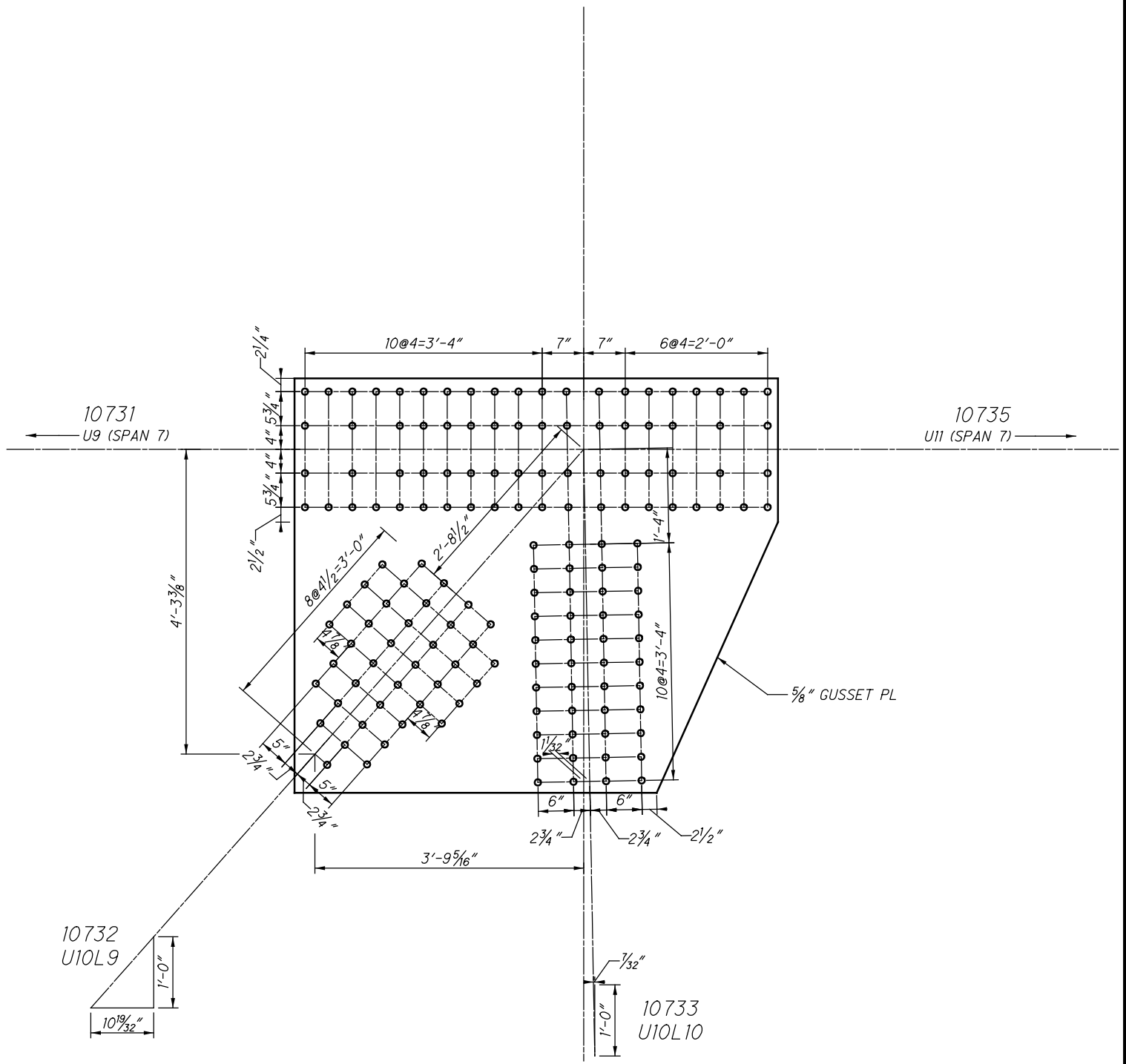
**U72 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



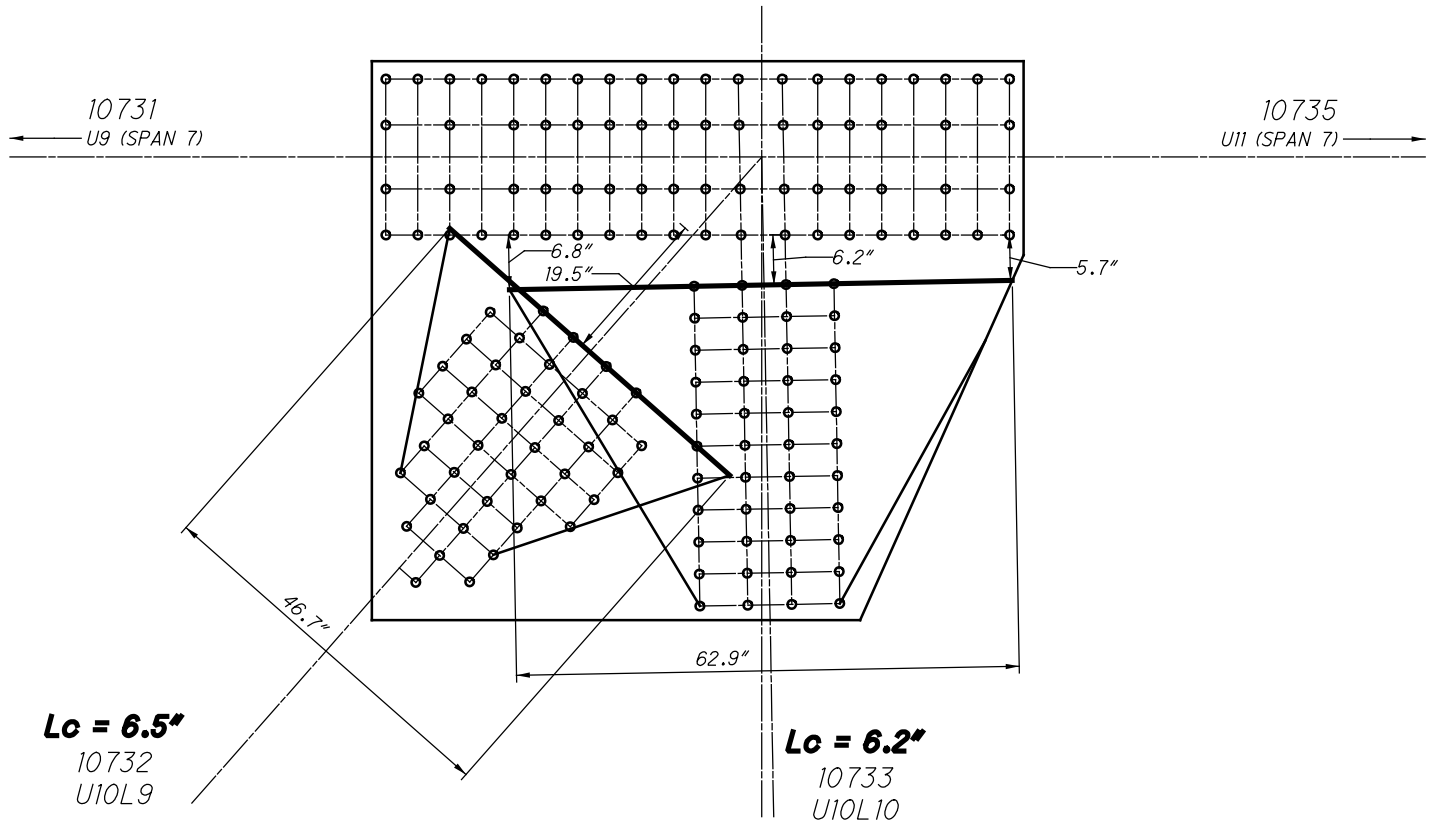
**U72 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



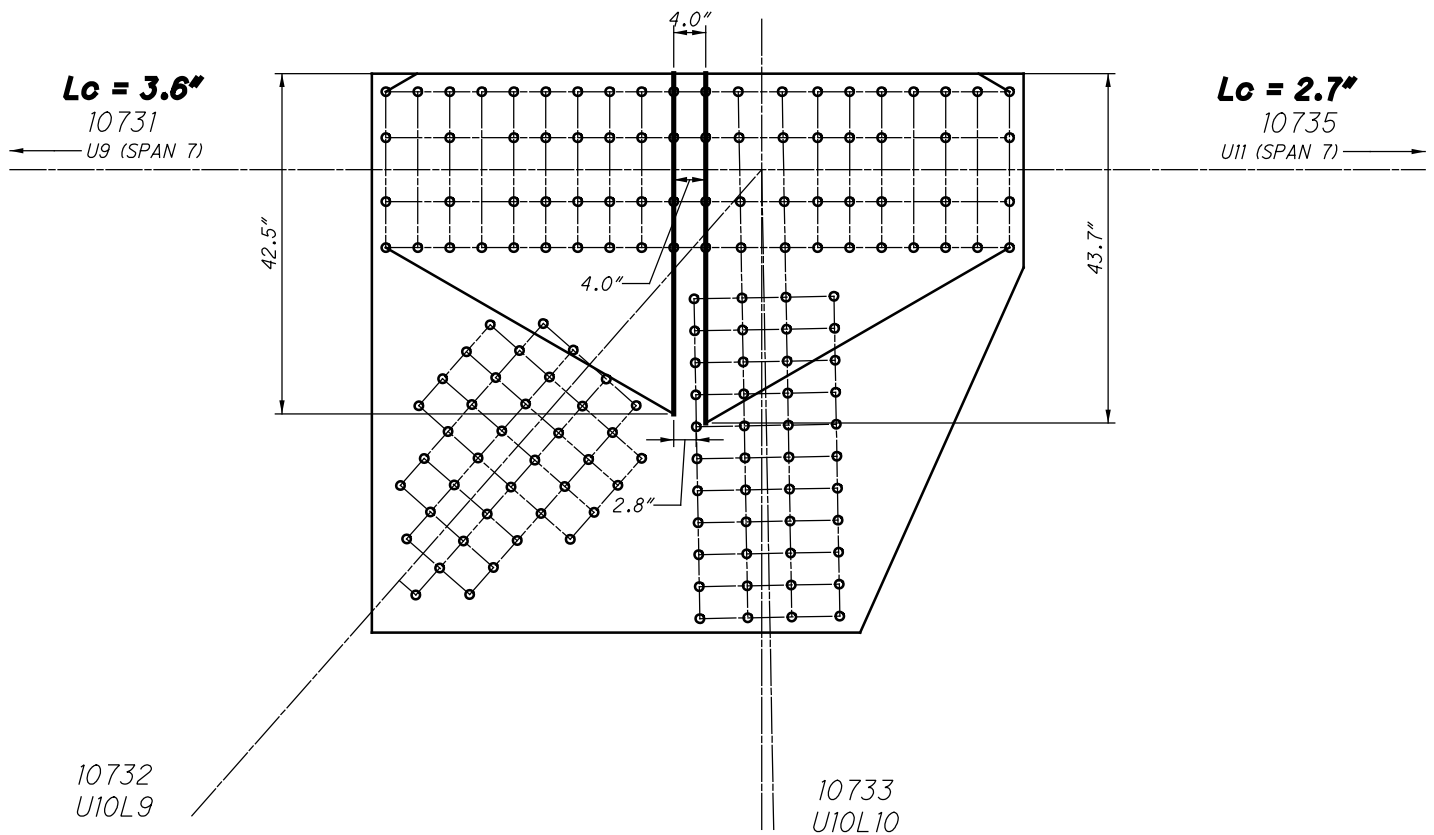
**U72 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



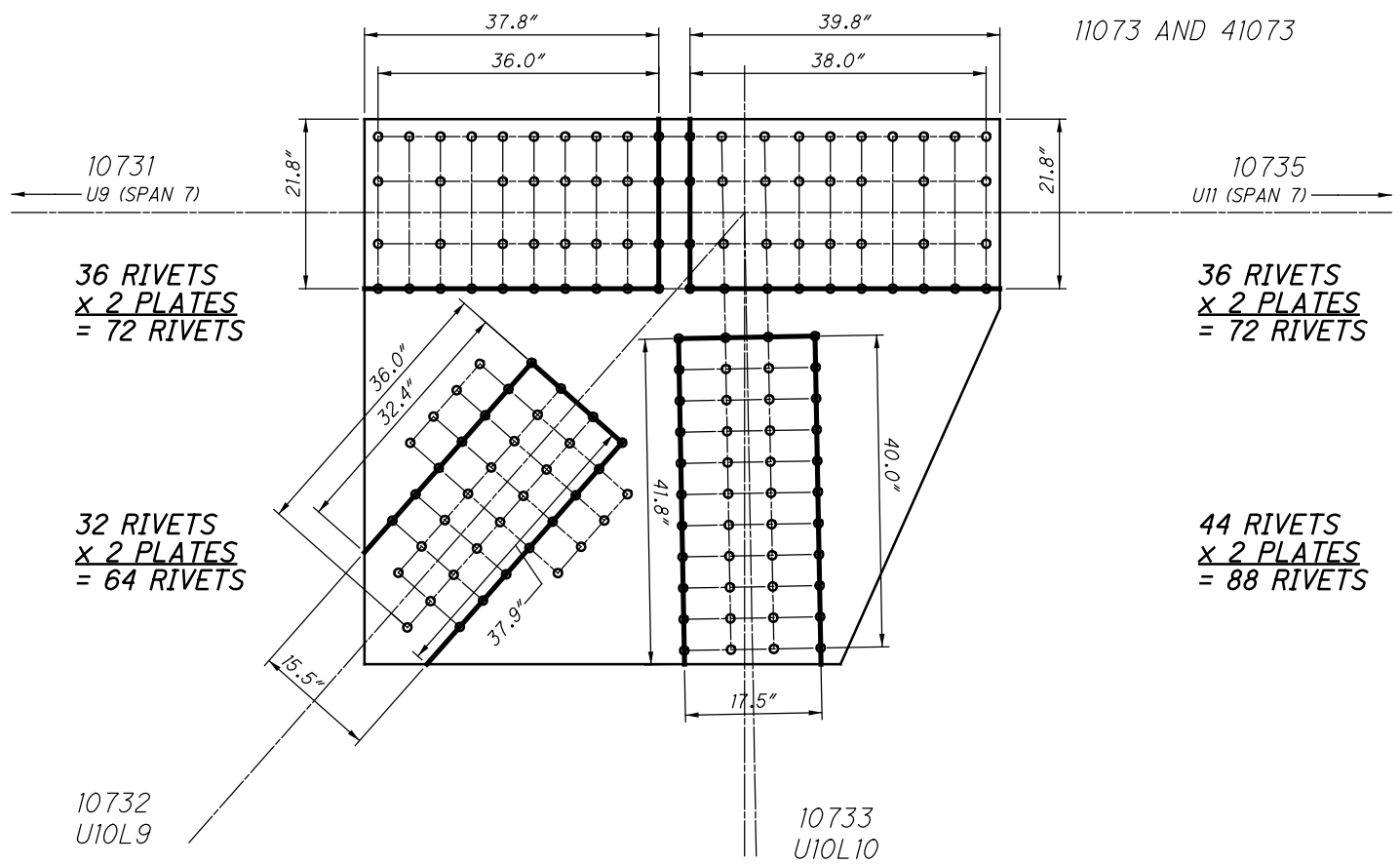
U73 OUTSIDE (SPAN 12)



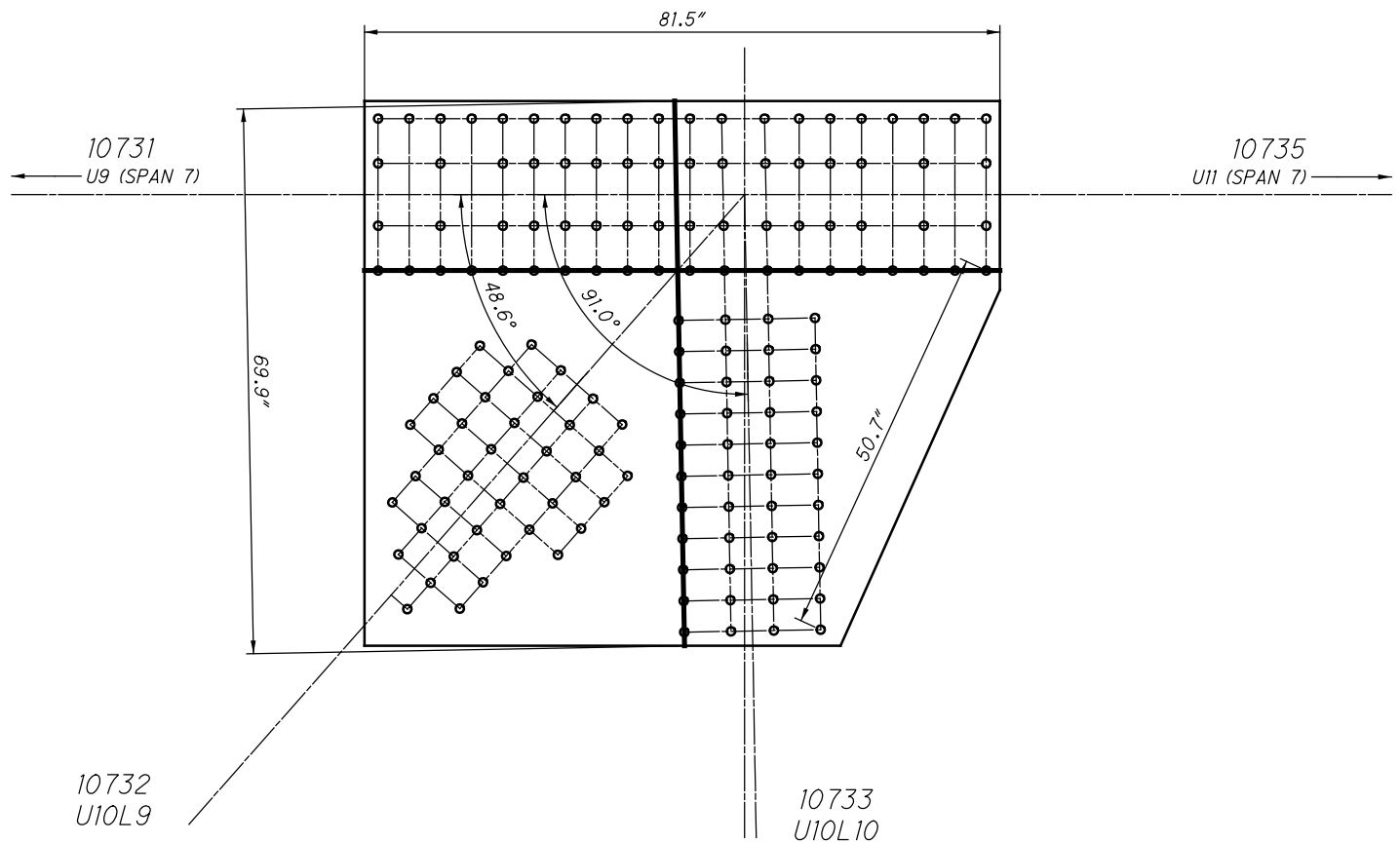
**U73 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



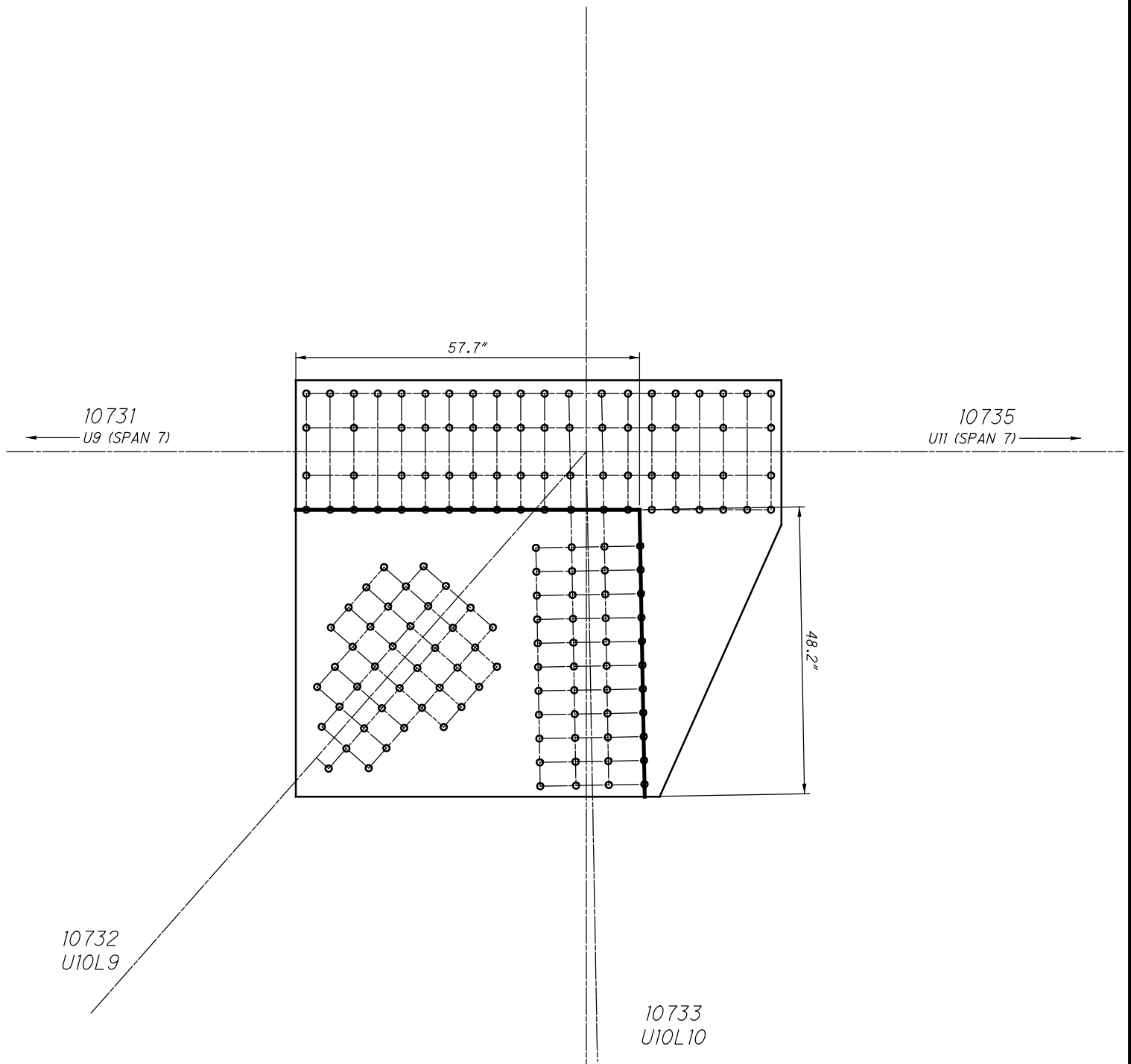
**U73 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



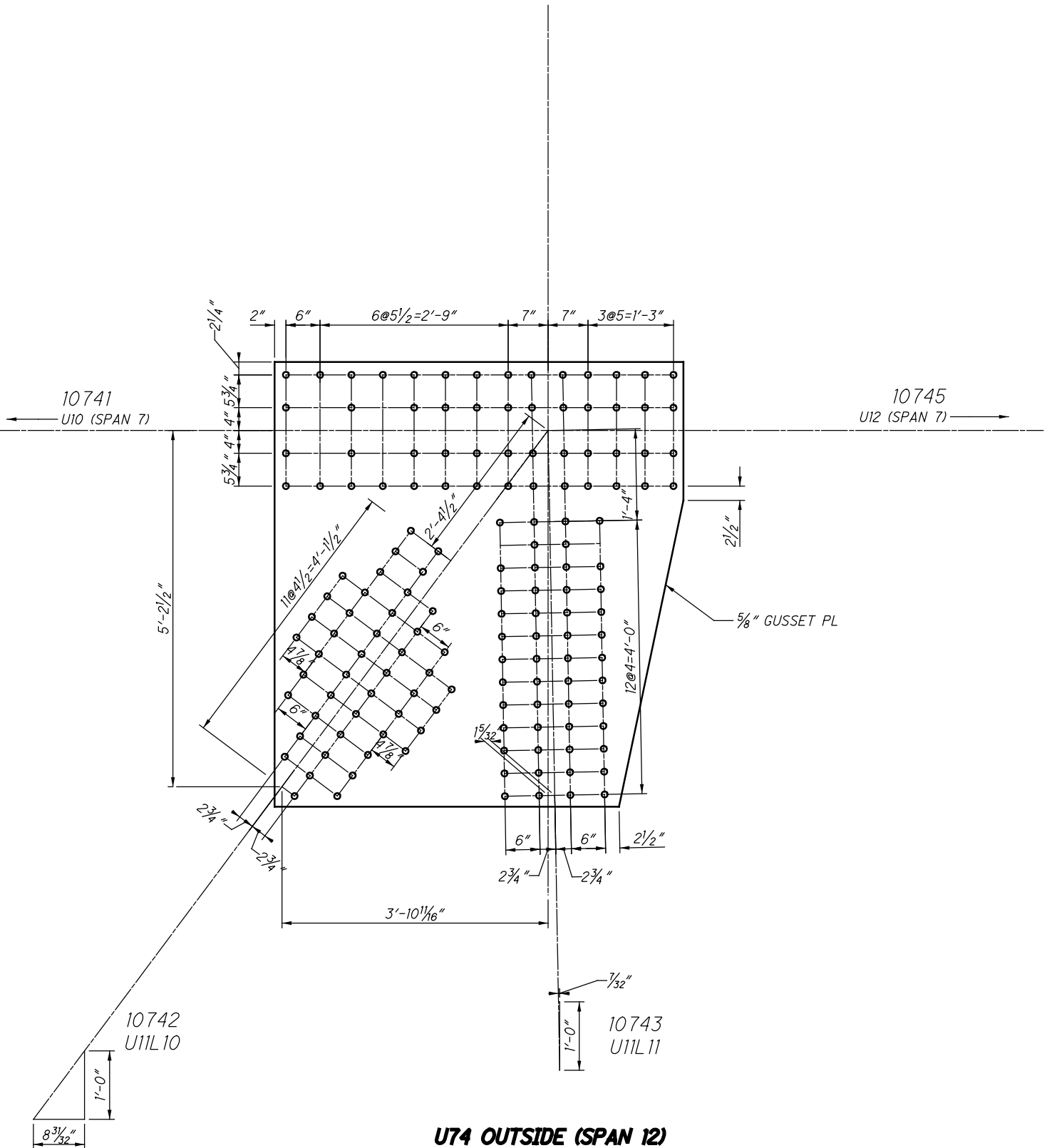
**U73 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

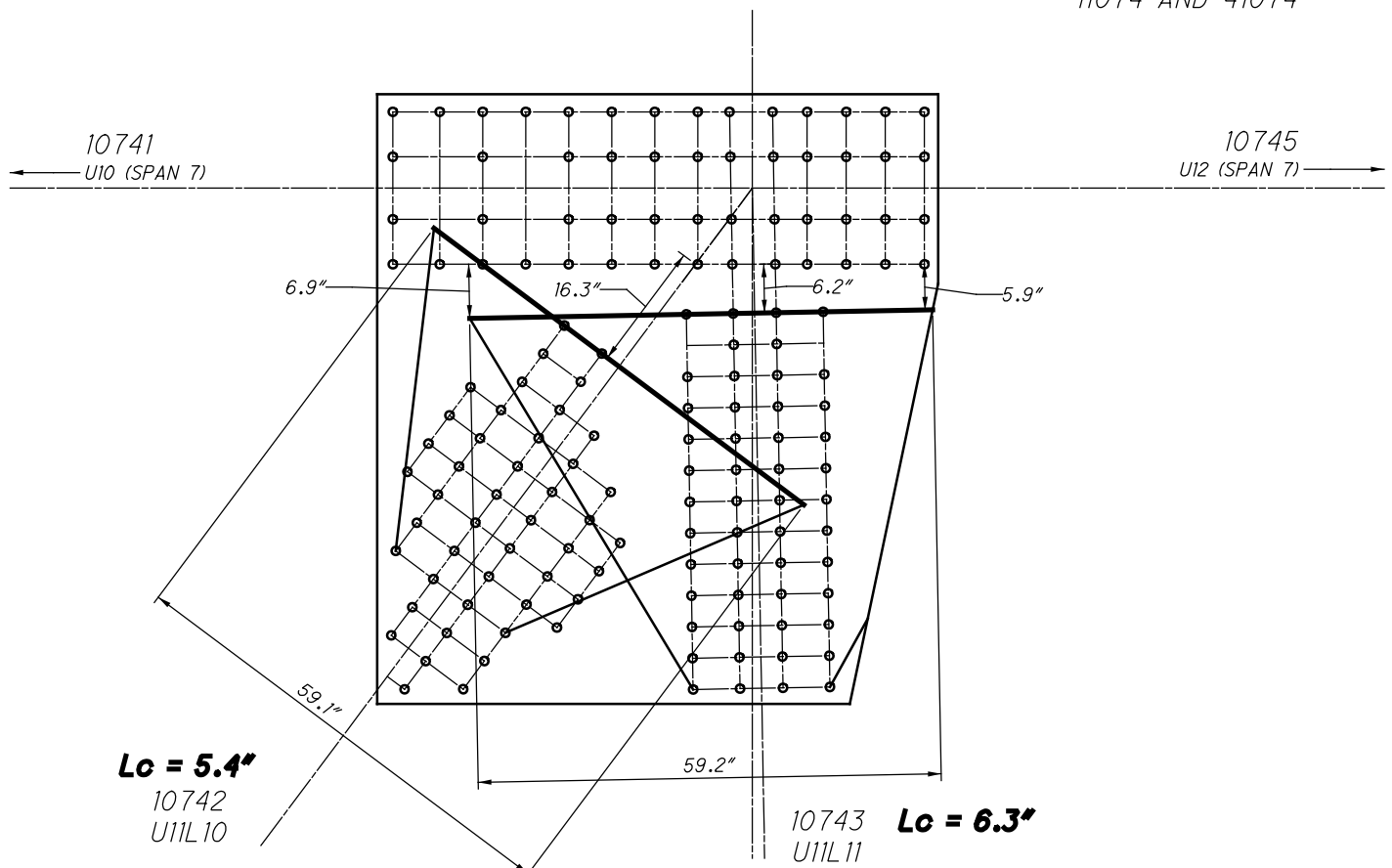


**U73 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

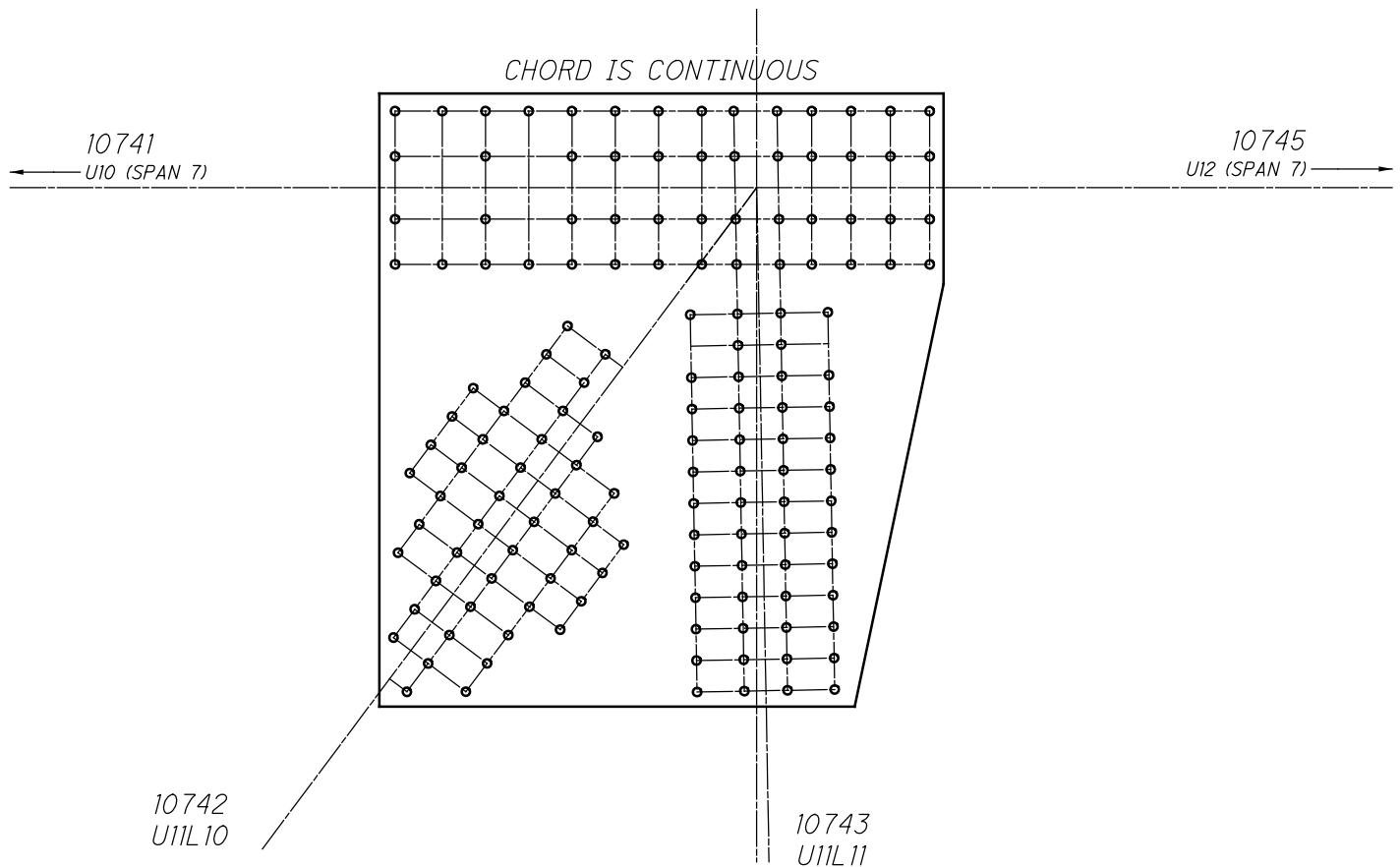


**U73 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**





**U74 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U74 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10741
U10 (SPAN 7)

10745
U12 (SPAN 7)

38 RIVETS
x 2 PLATES
= 76 RIVETS

50 RIVETS
x 2 PLATES
= 100 RIVETS

10742
U11L10

10743
U11L11

**U74 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

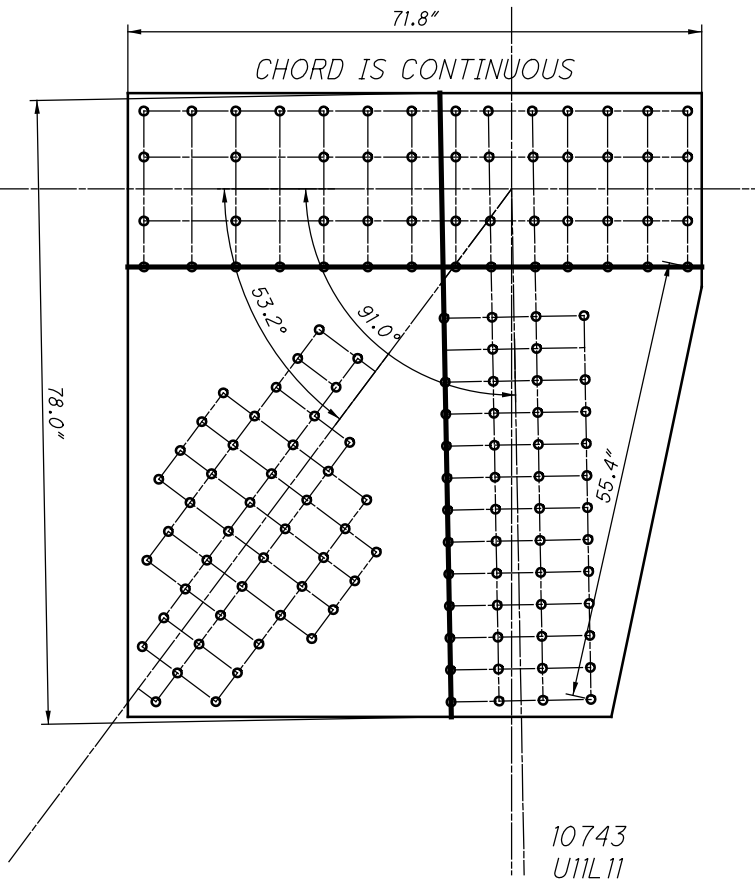
10741
U10 (SPAN 7)

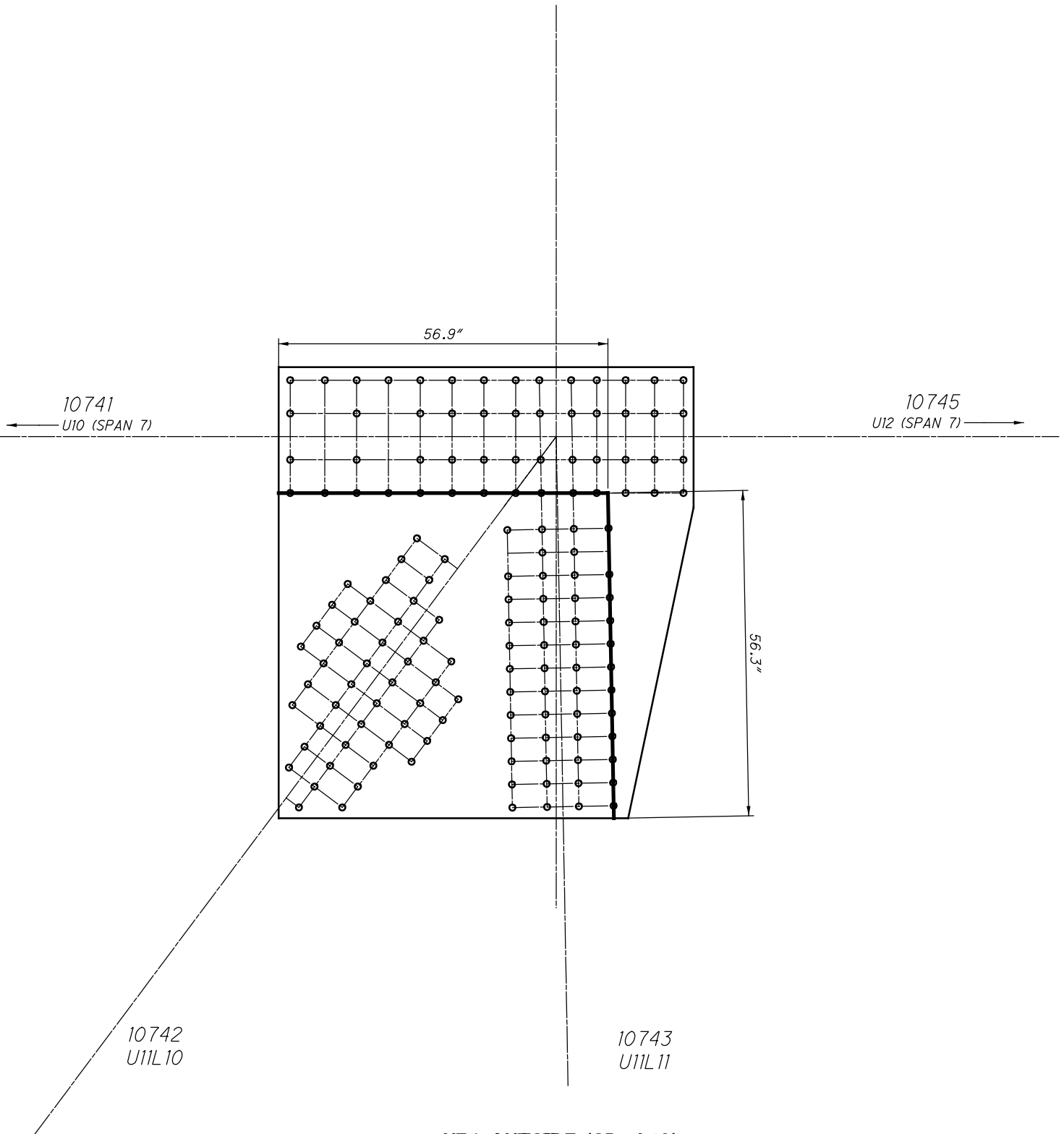
10745
U12 (SPAN 7)

10742
U11L10

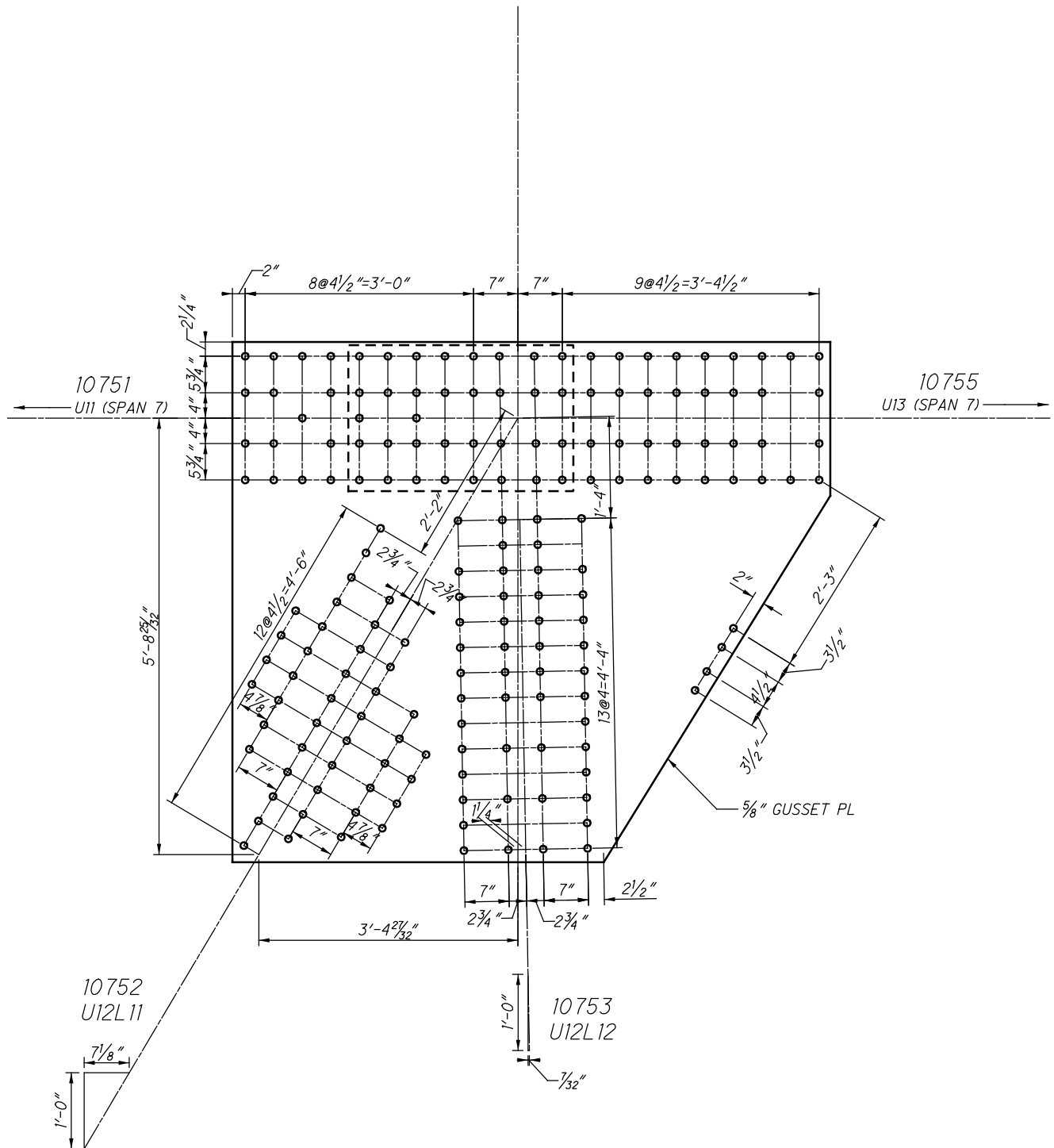
10743
U11L11

**U74 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

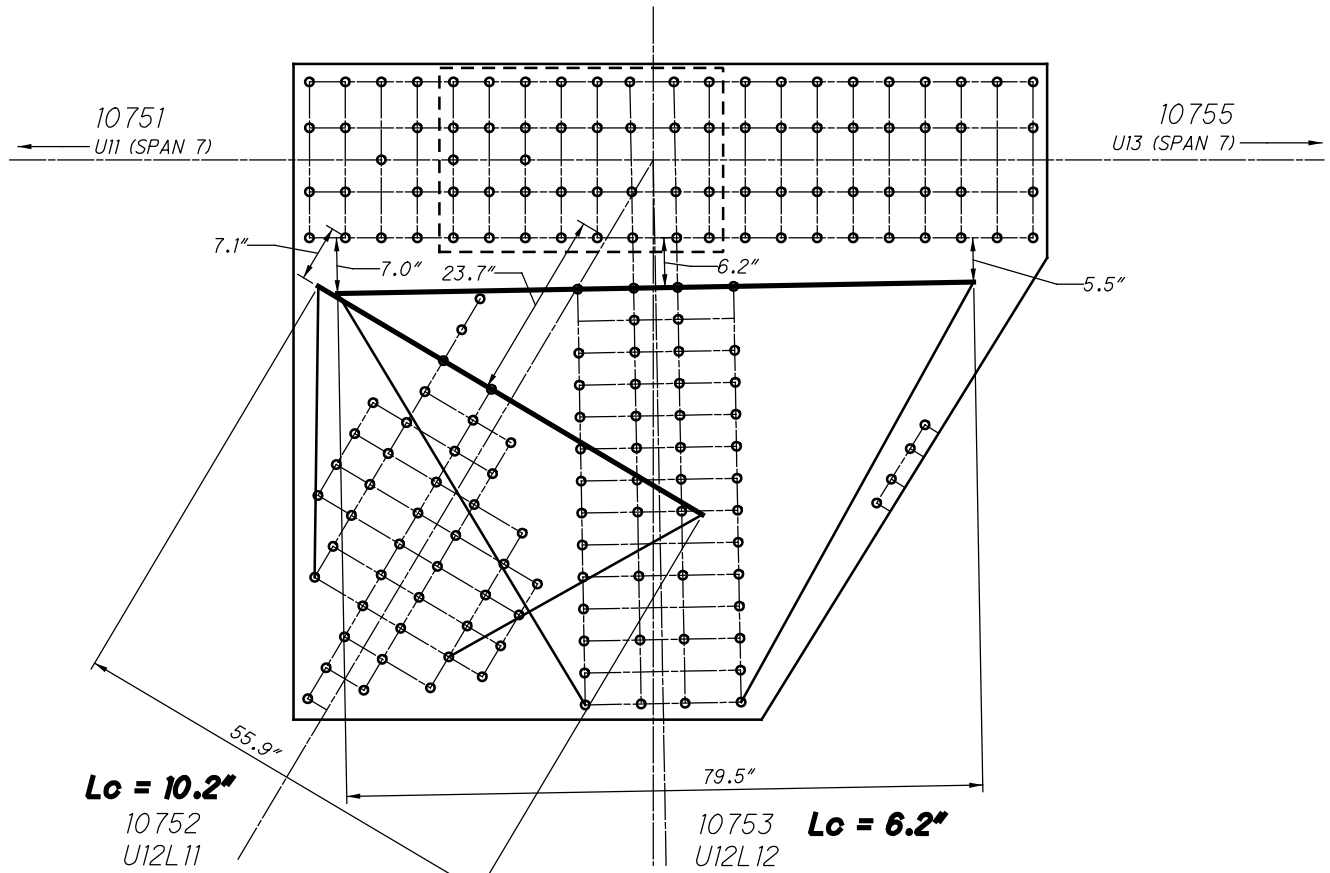




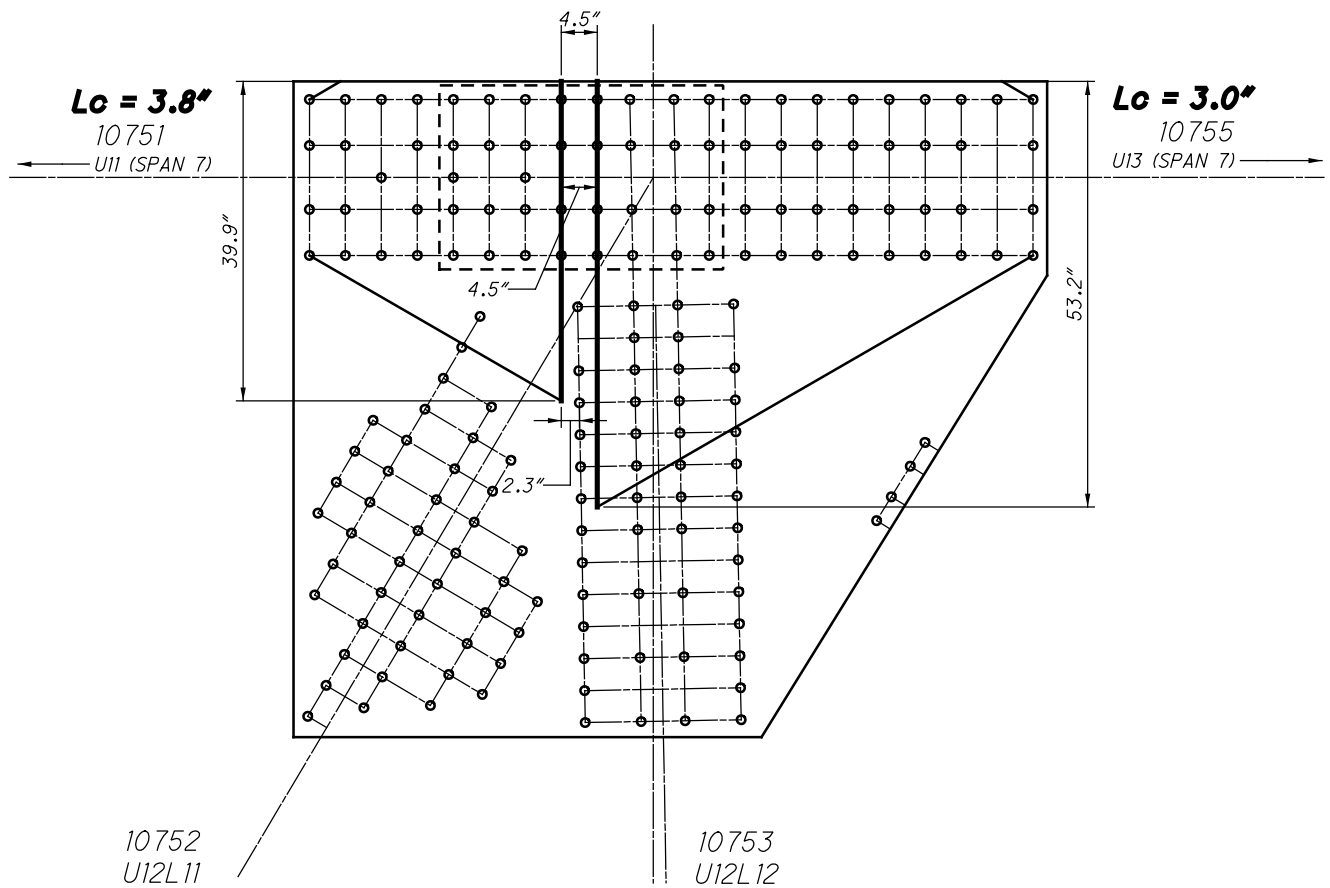
**U74 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



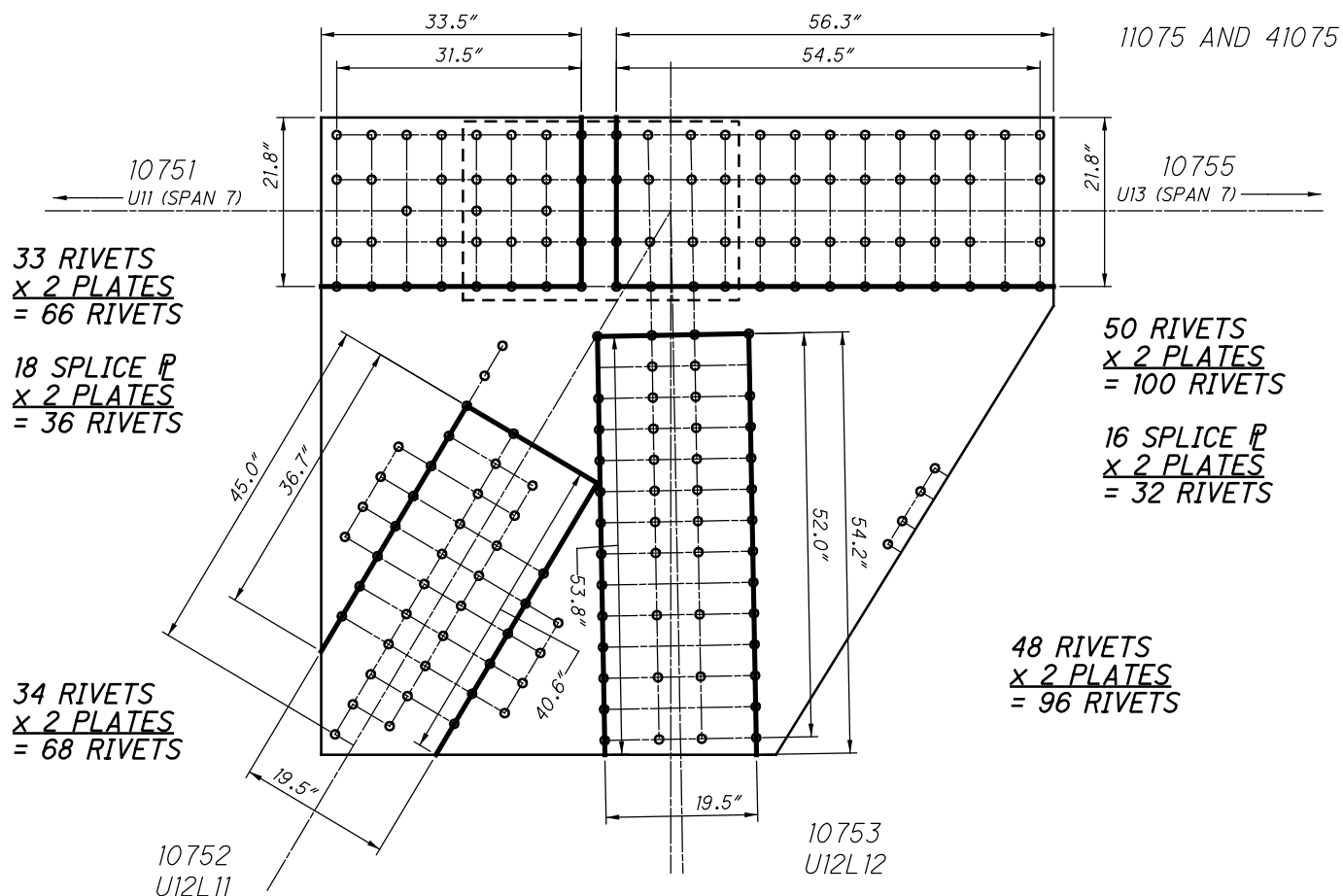
U75 OUTSIDE (SPAN 12)



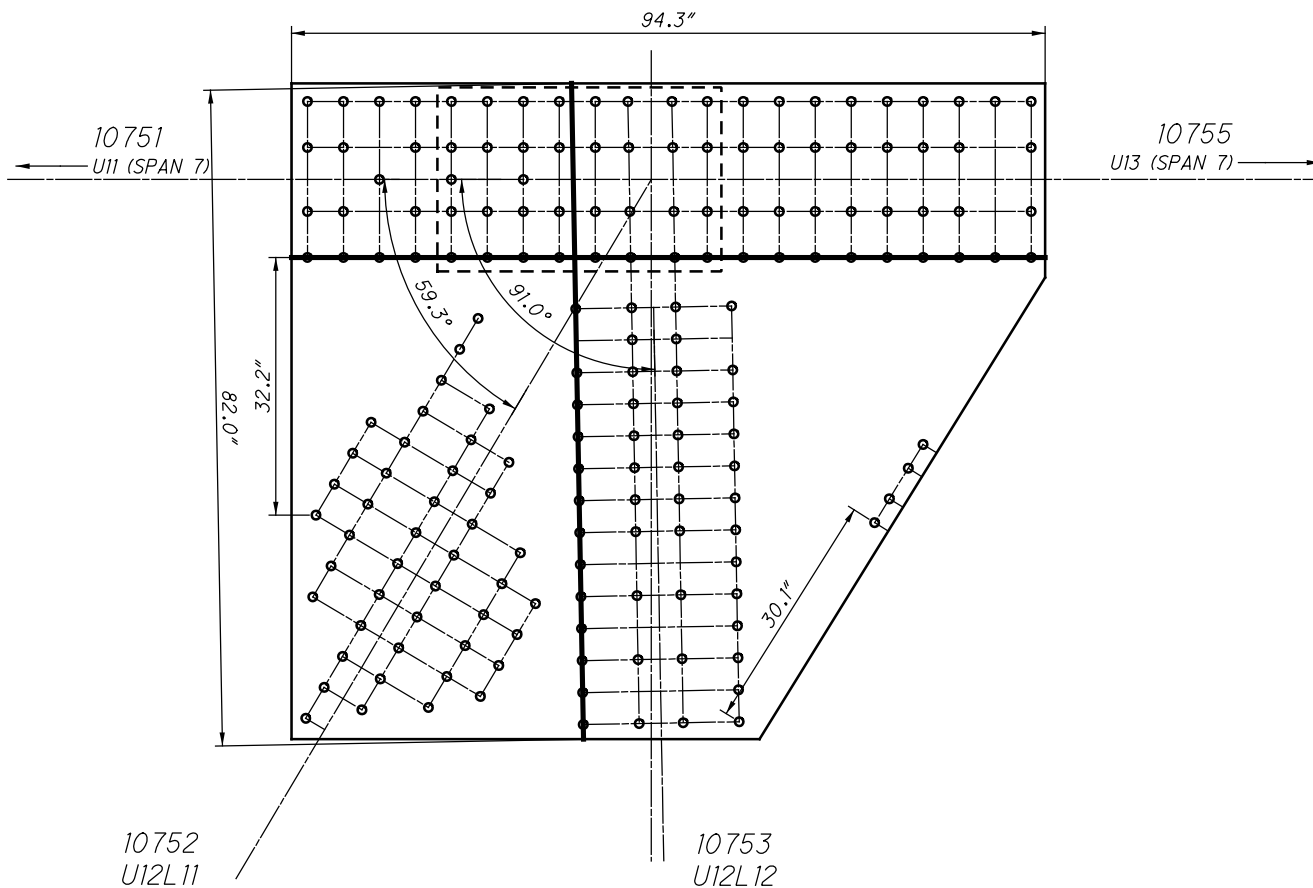
**U75 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



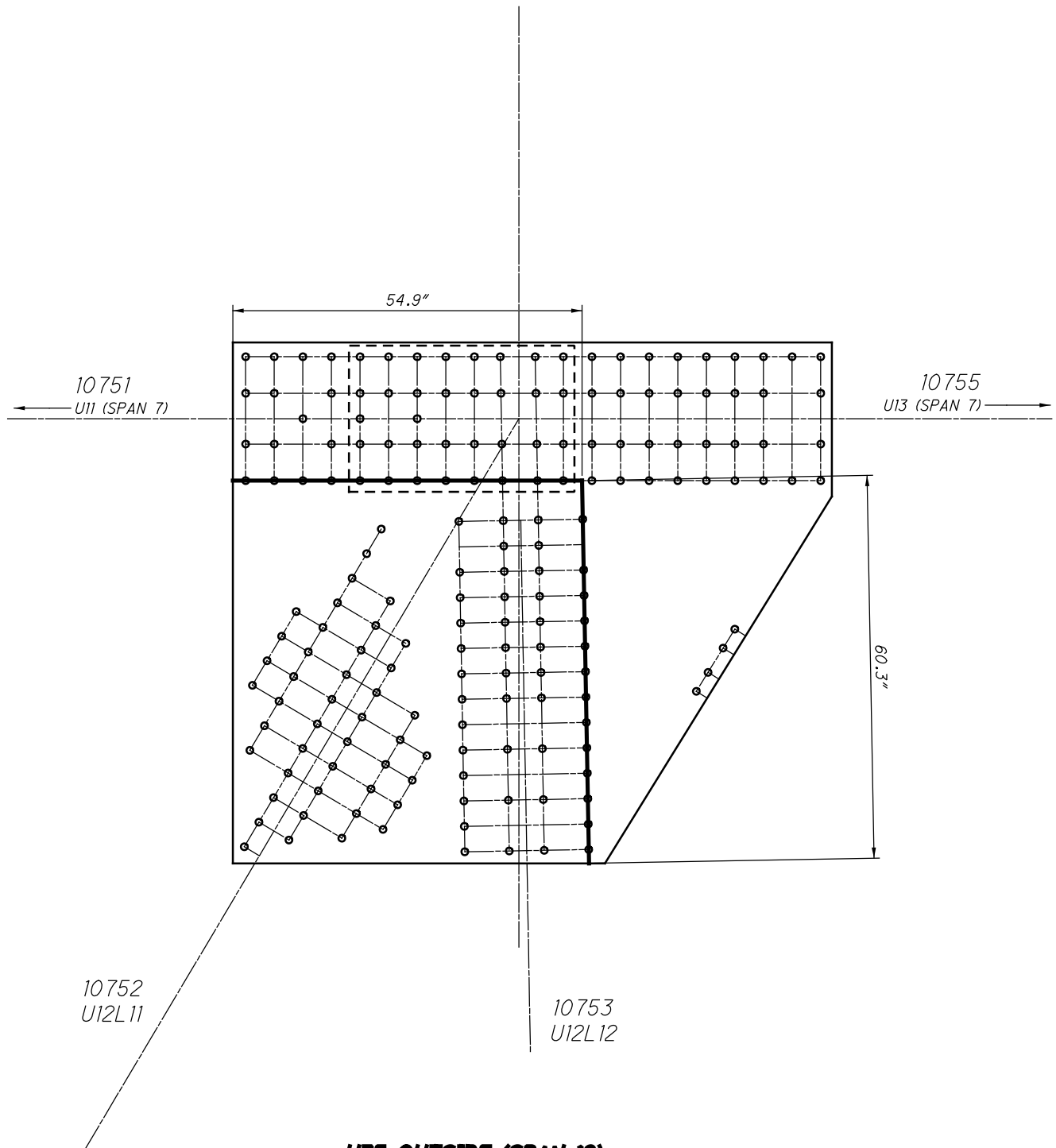
**U75 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



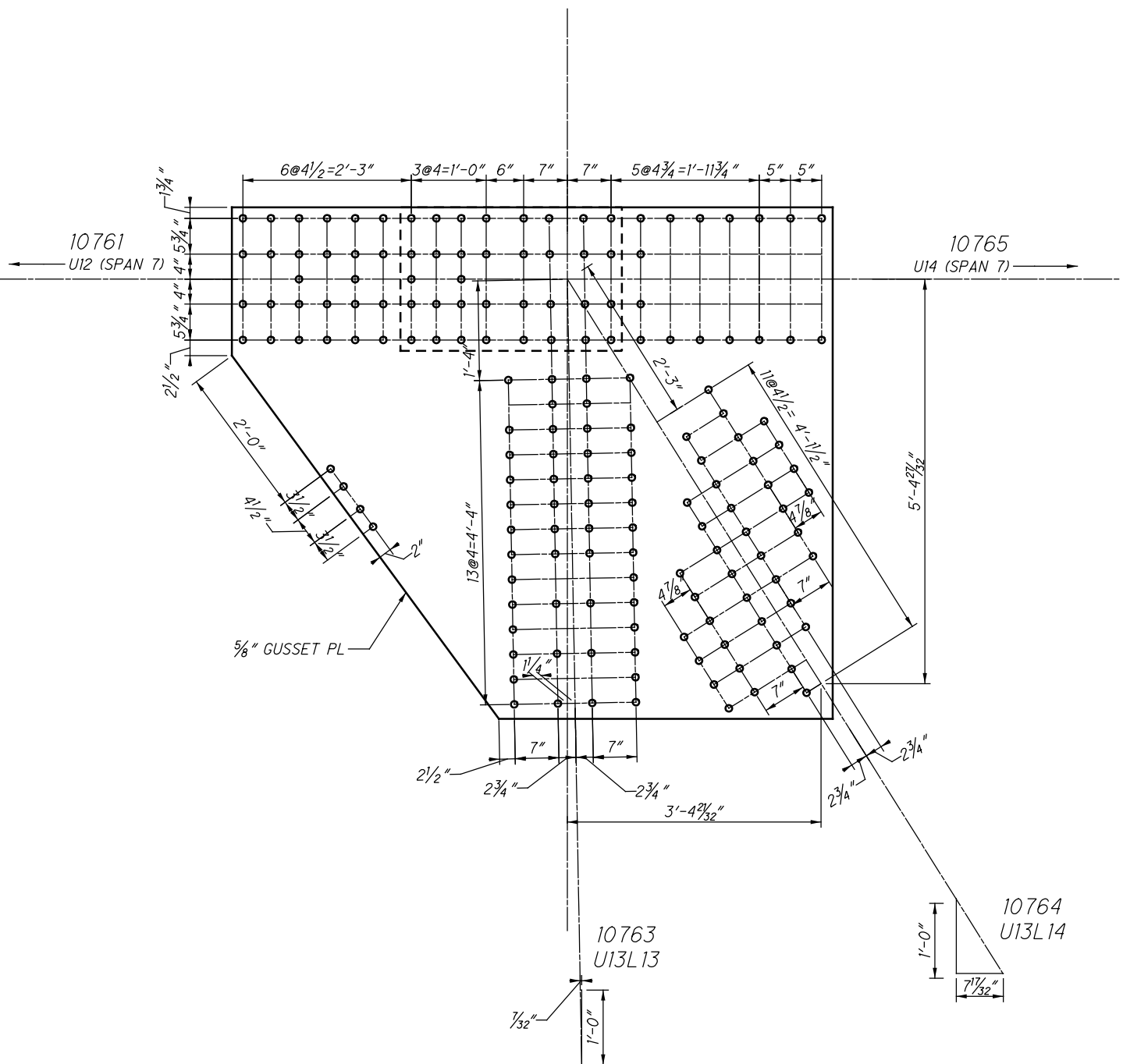
**U75 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U75 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

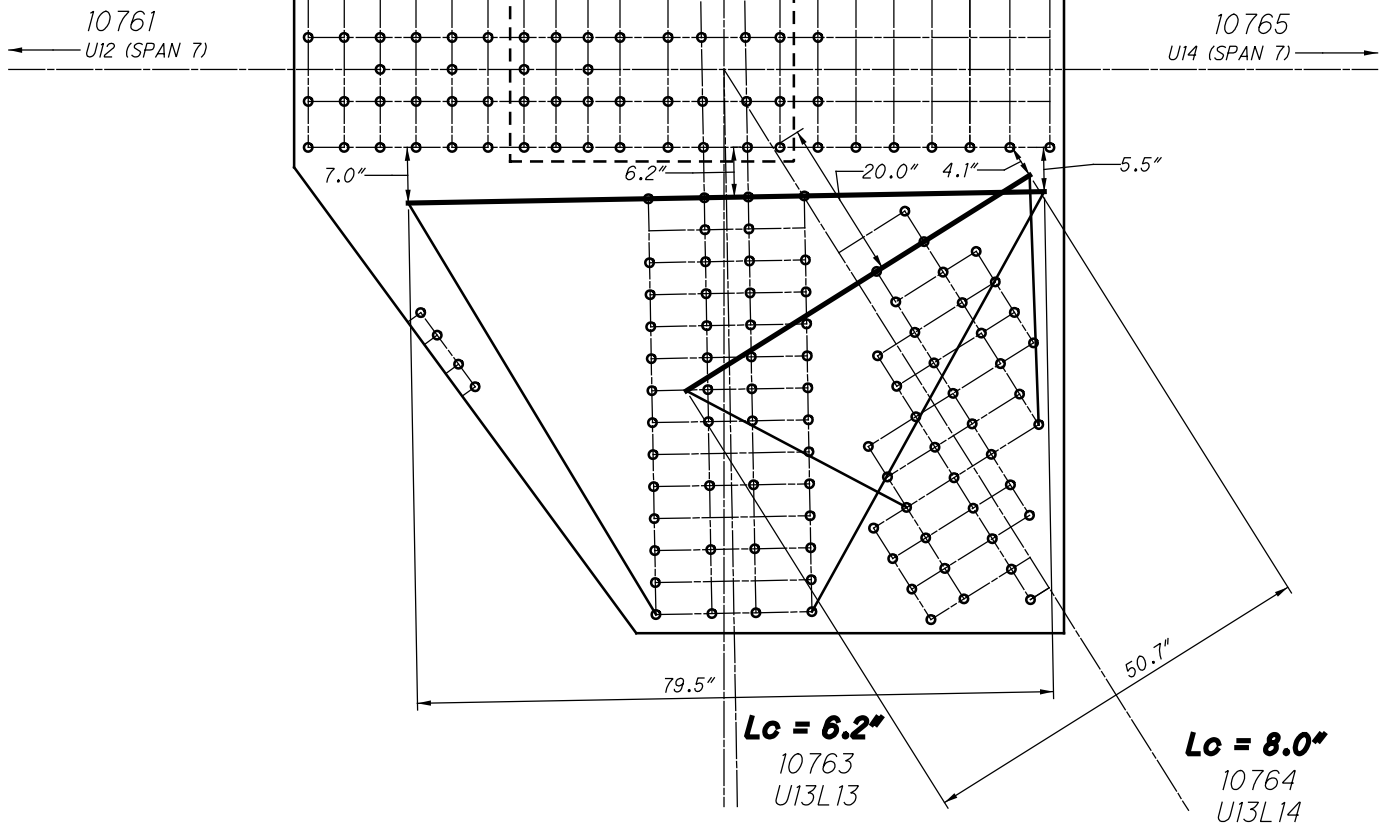


**U75 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**

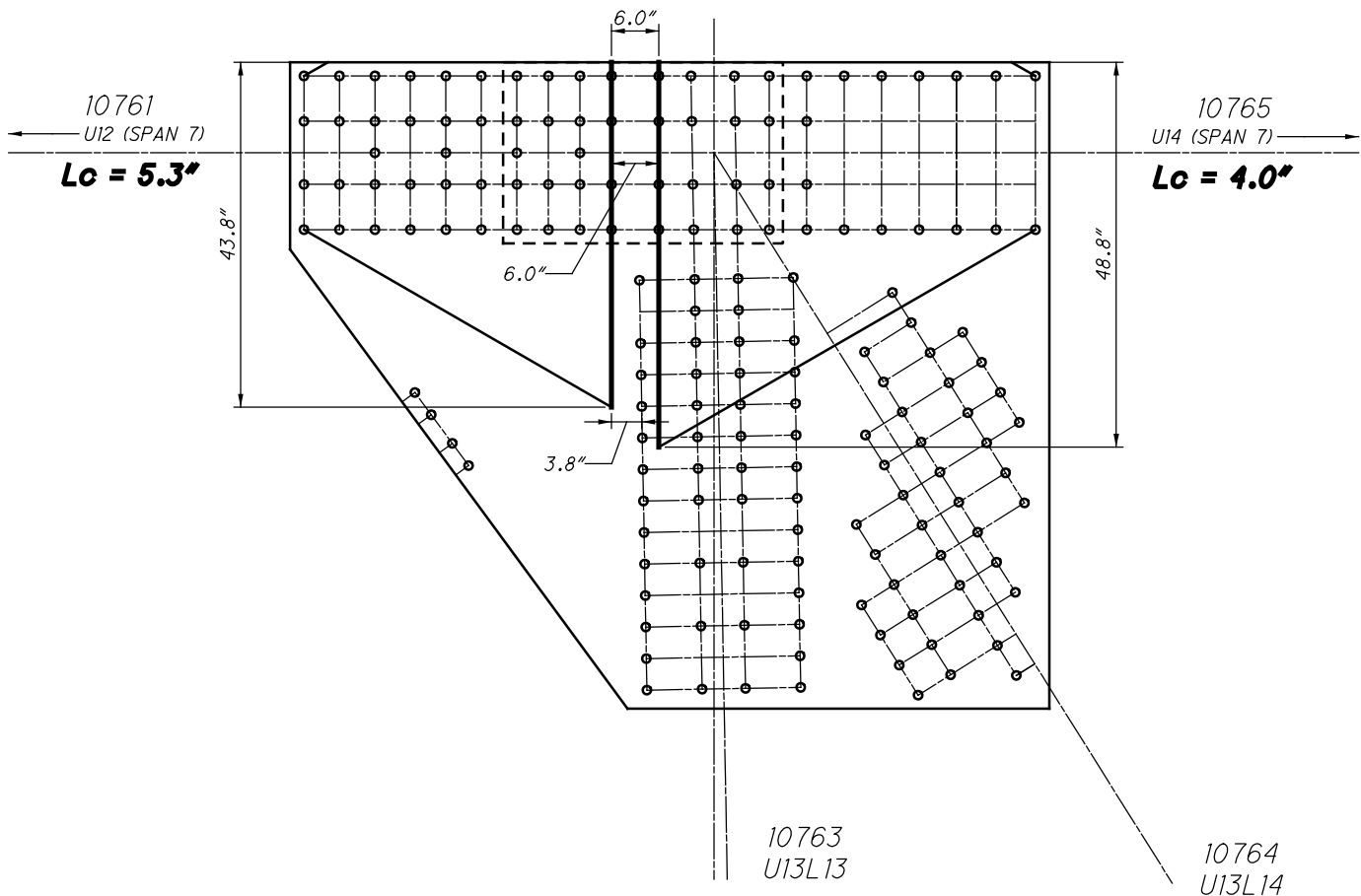


U76 OUTSIDE (SPAN 12)

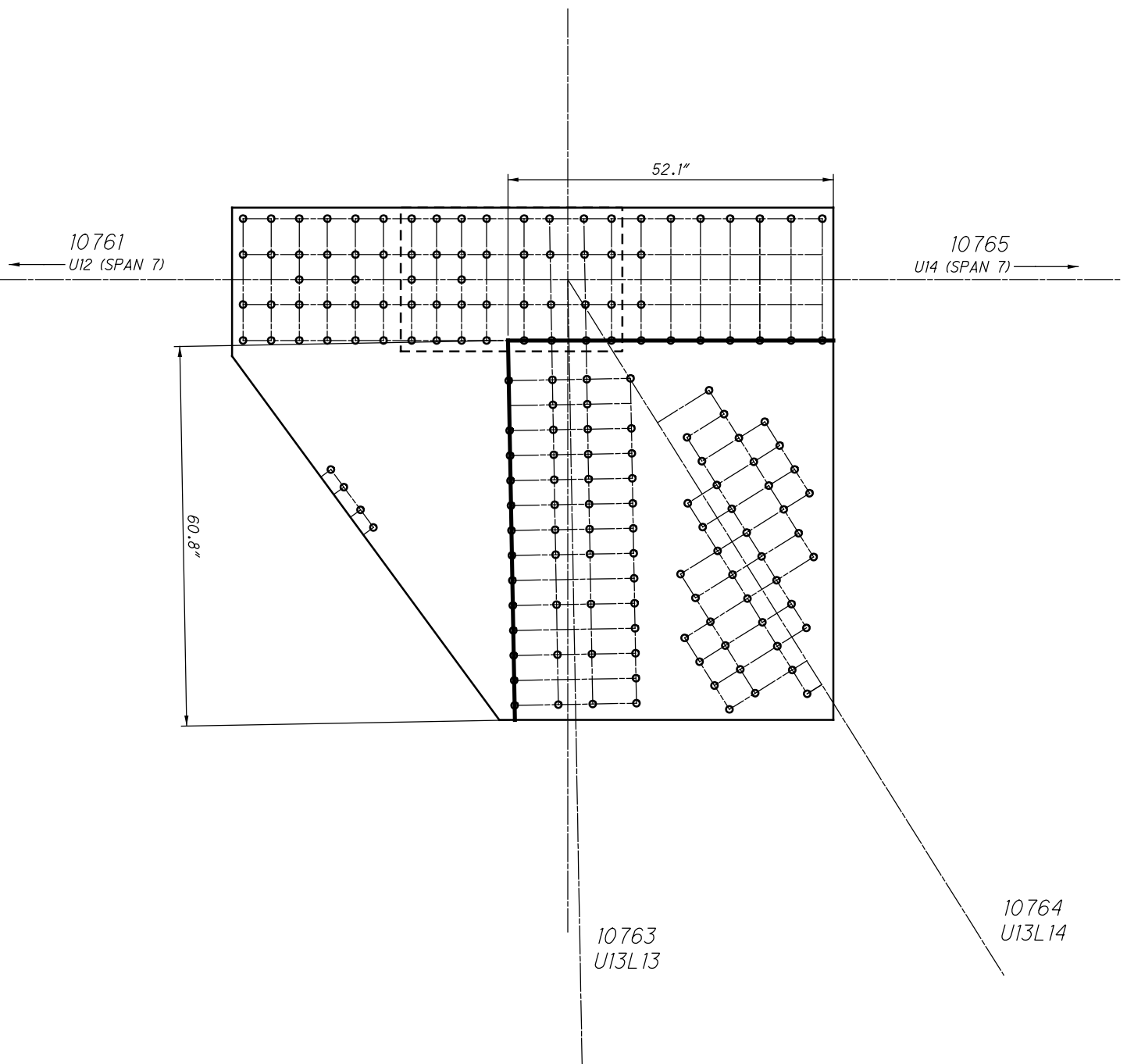
11076 AND 41076



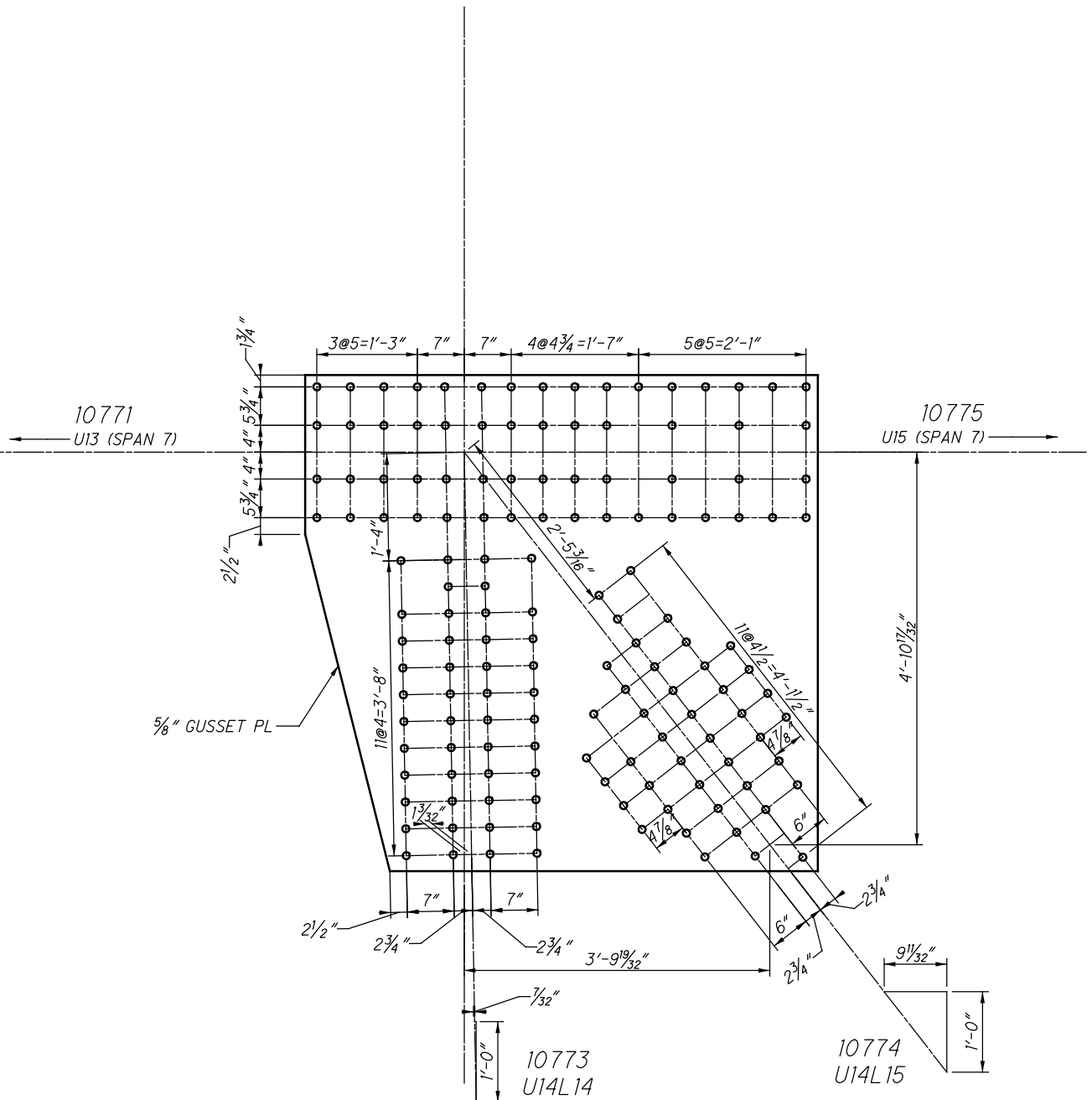
**U76 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



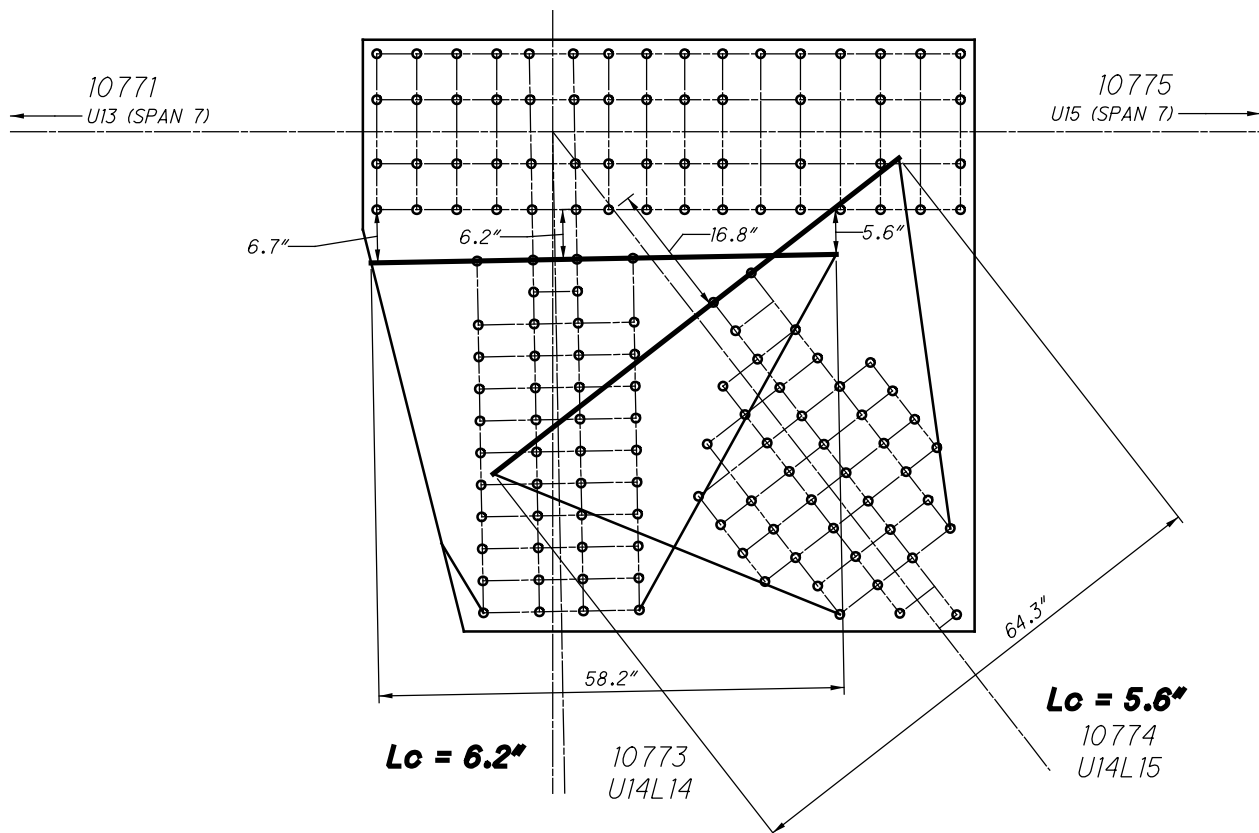
**U76 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



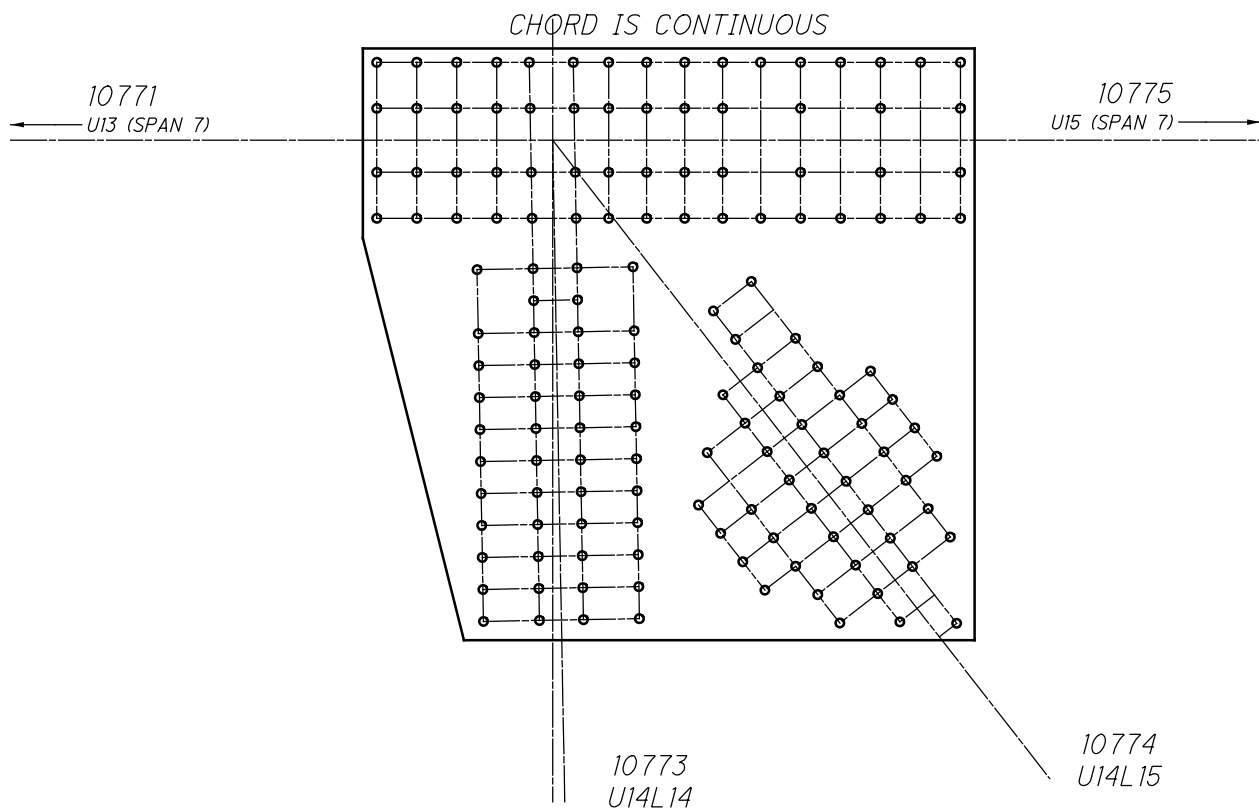
**U76 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



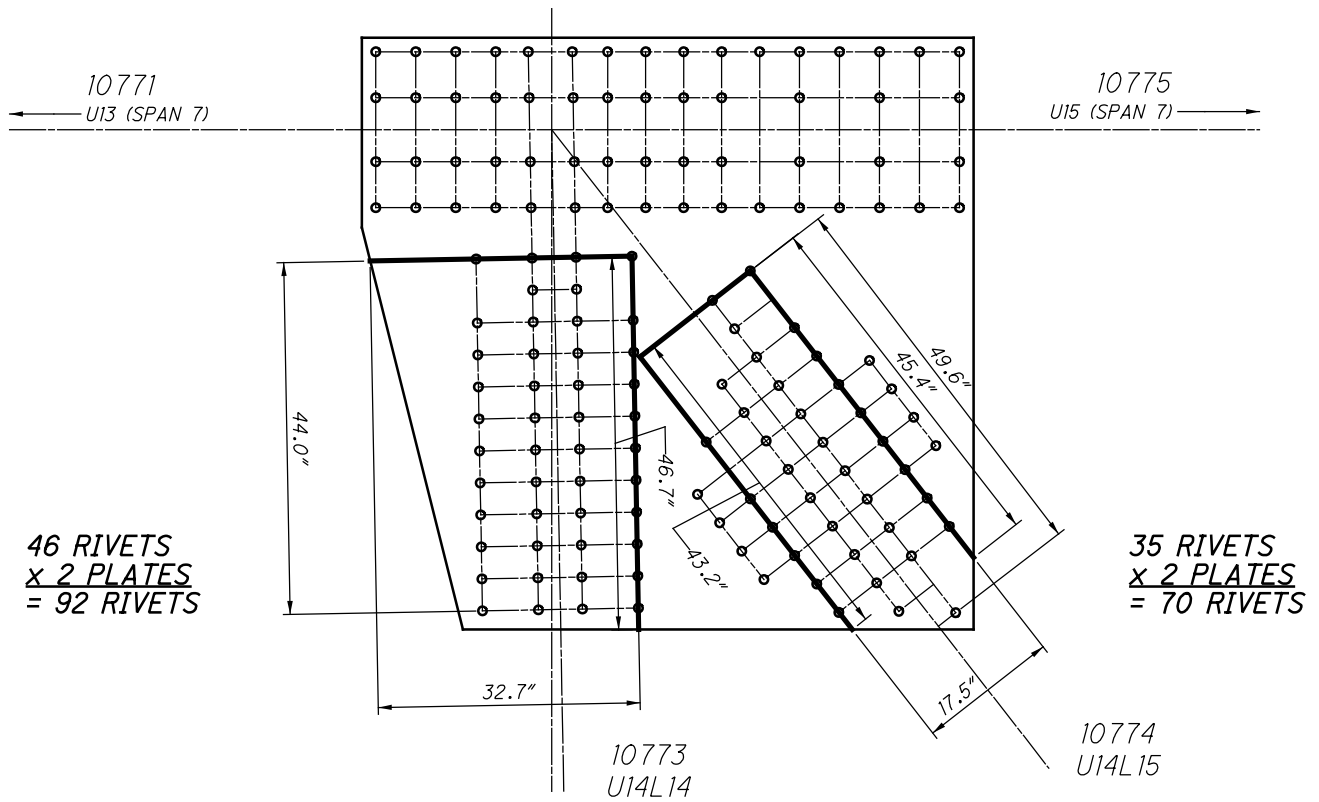
U77 OUTSIDE (SPAN 12)



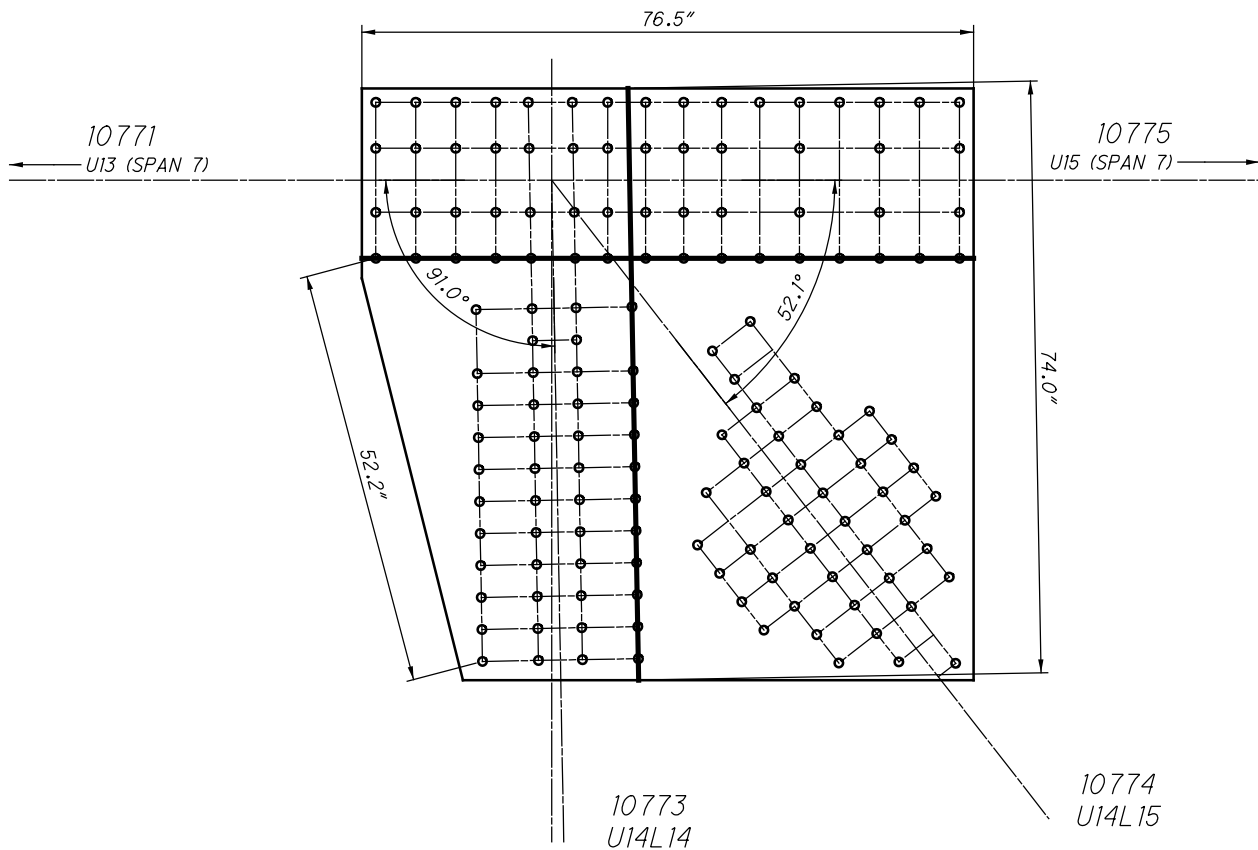
**U77 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



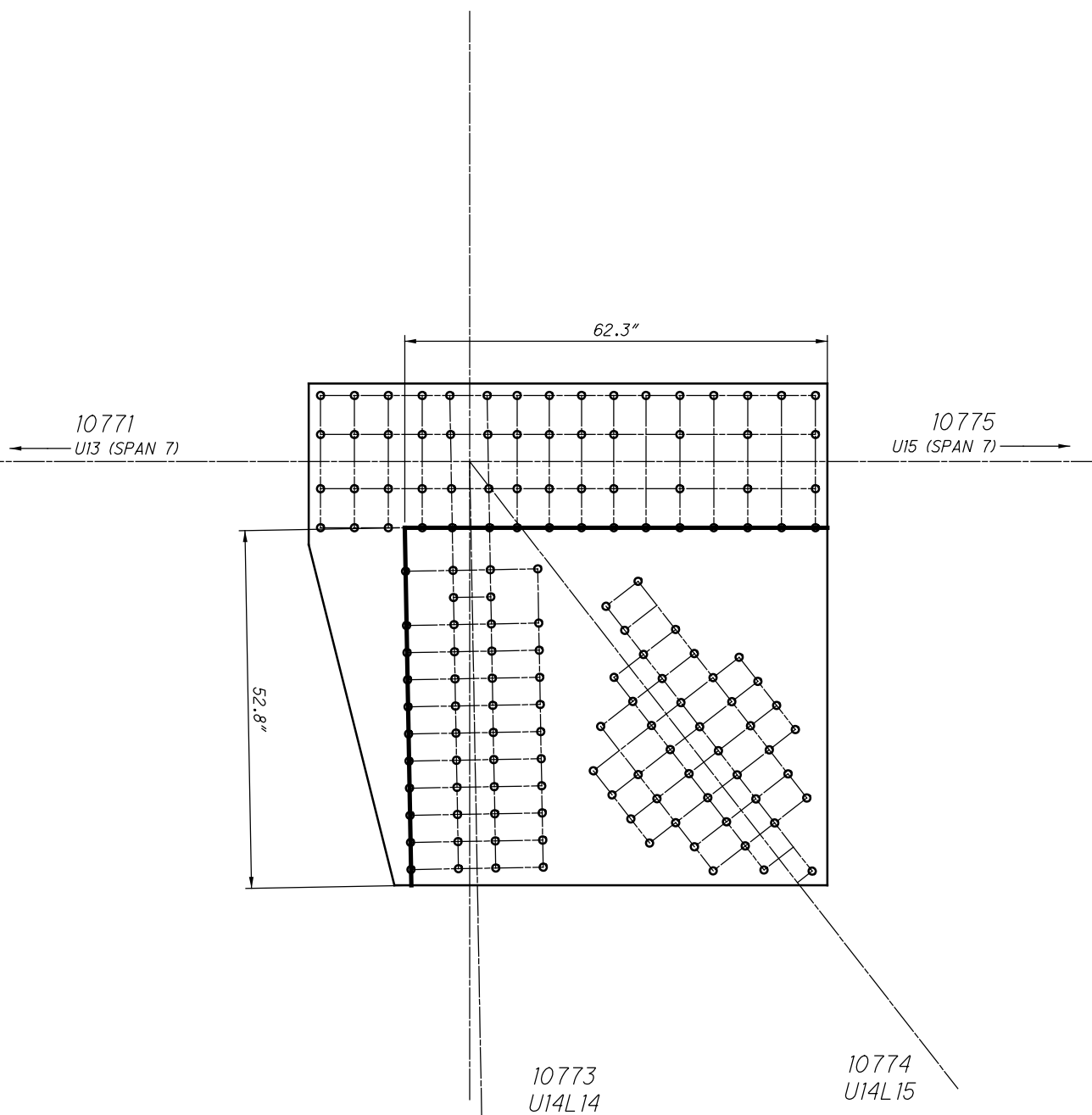
**U77 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



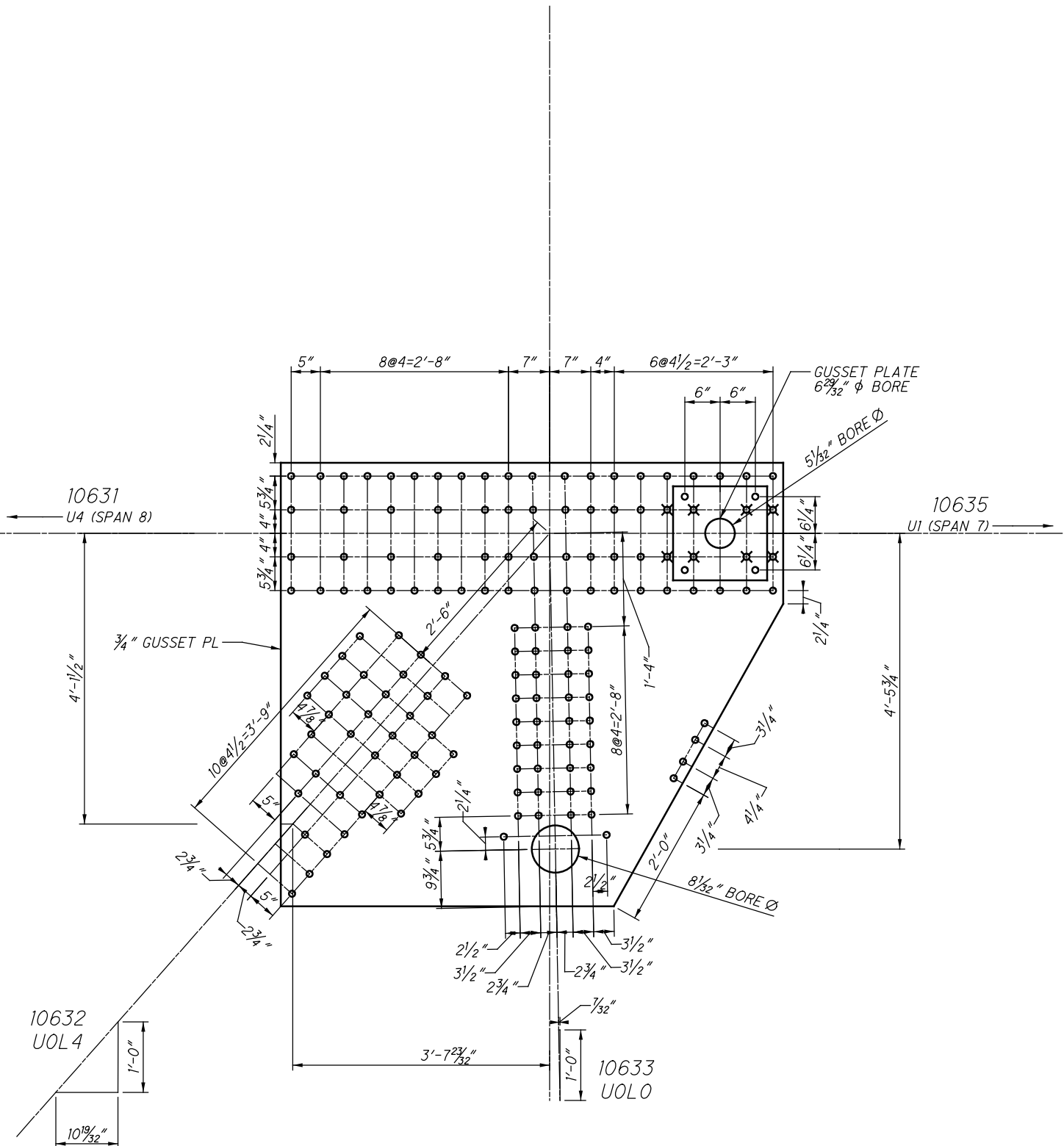
**U77 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

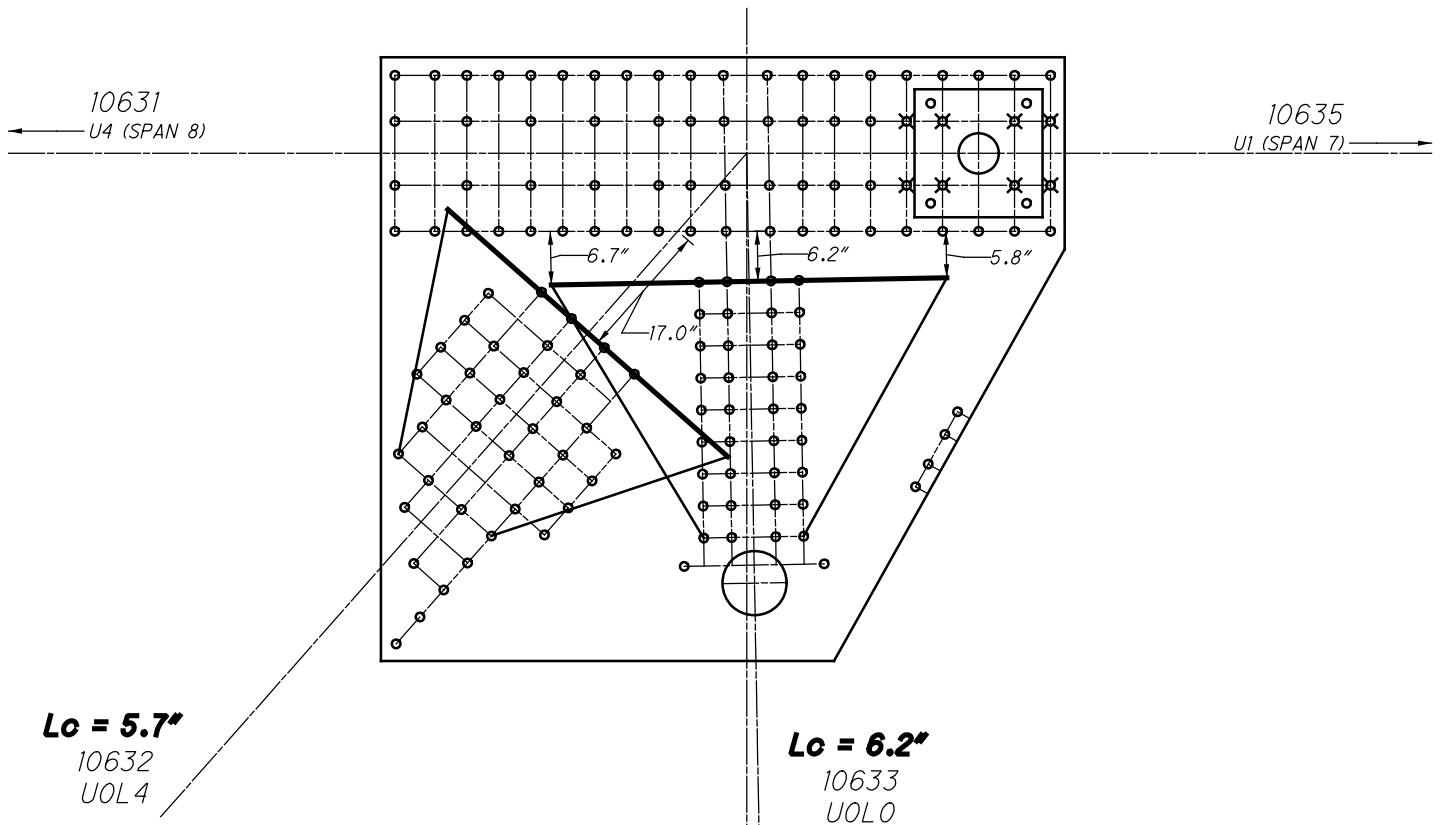


**U77 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

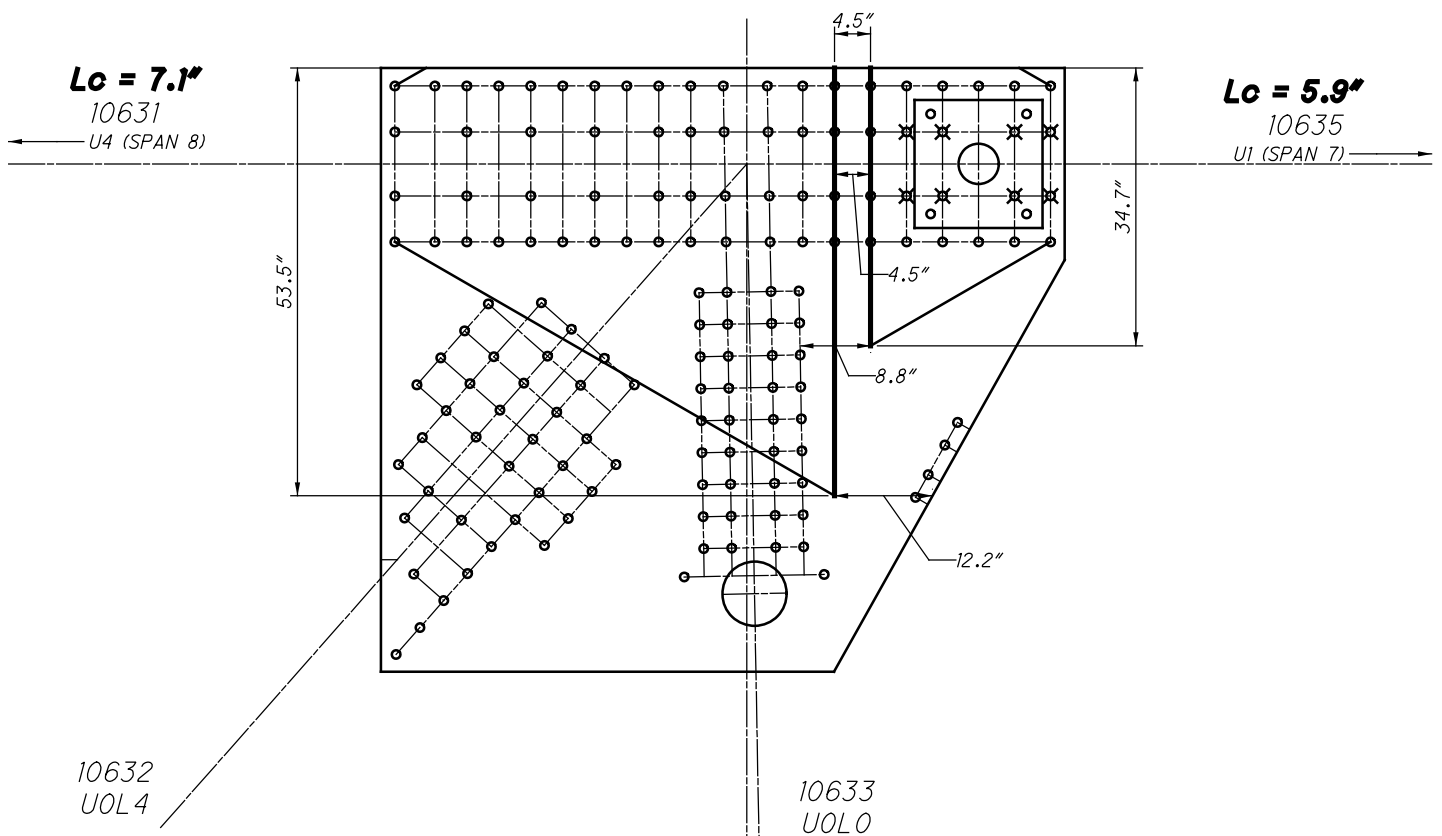


**U77 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**

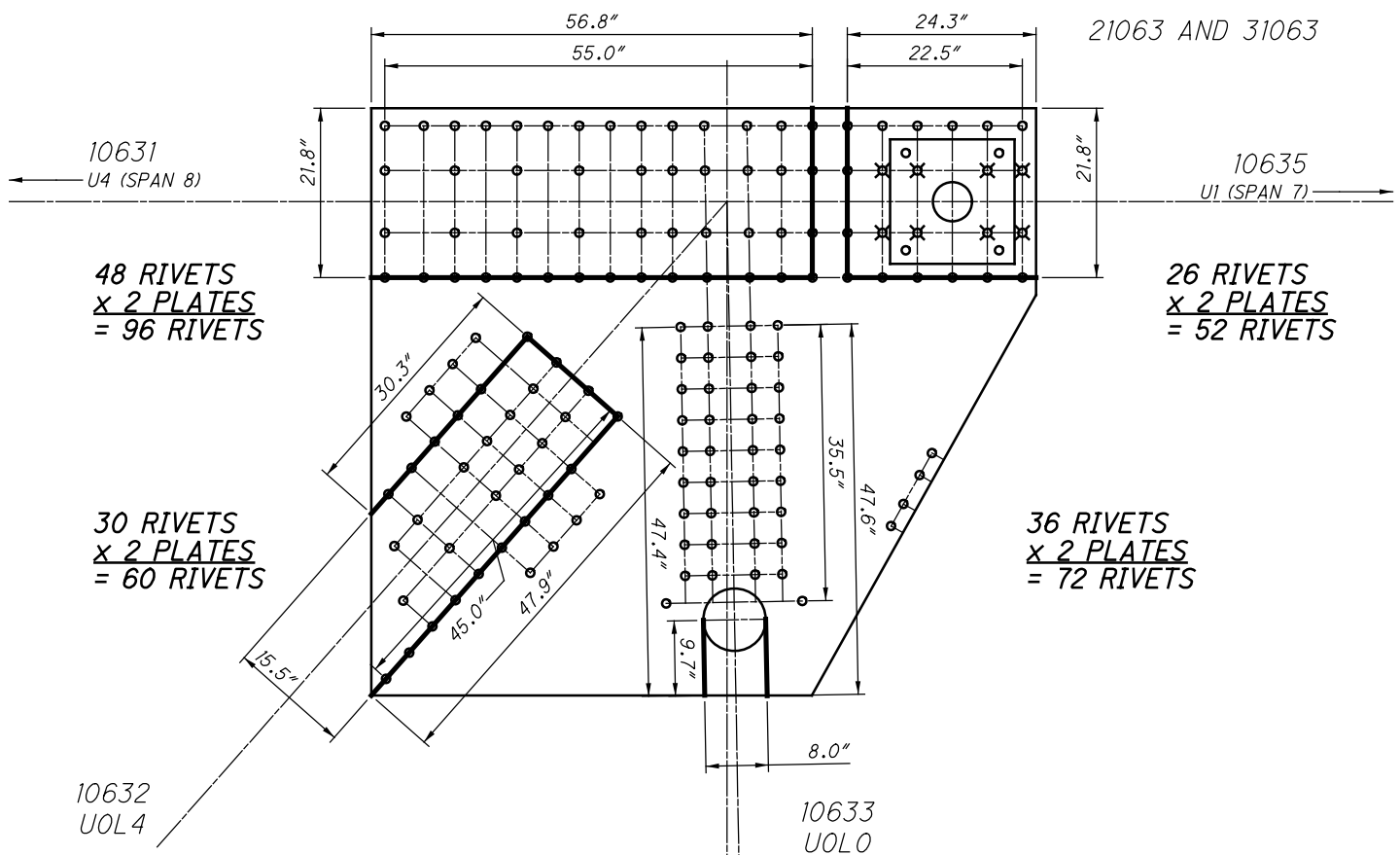




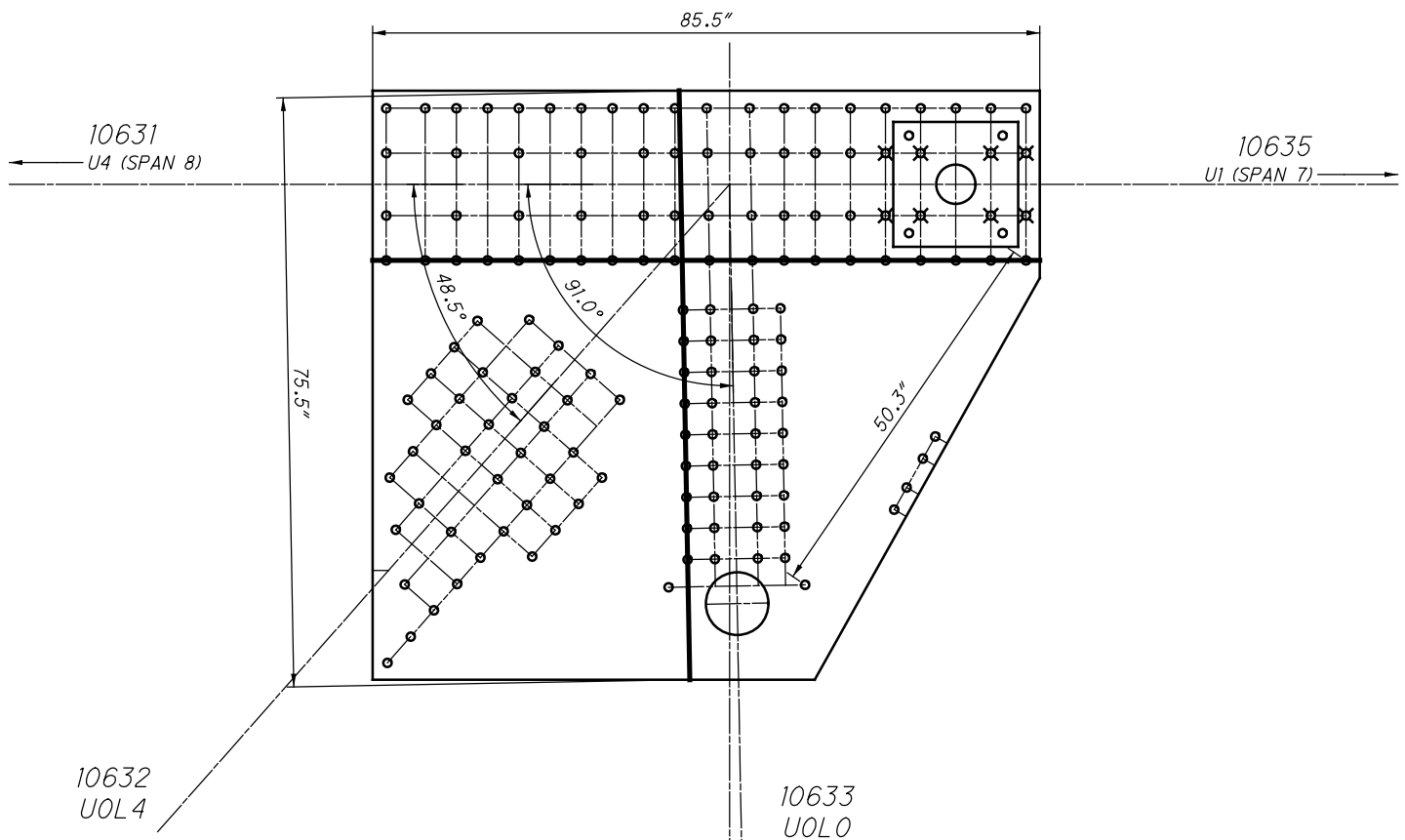
**U63 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



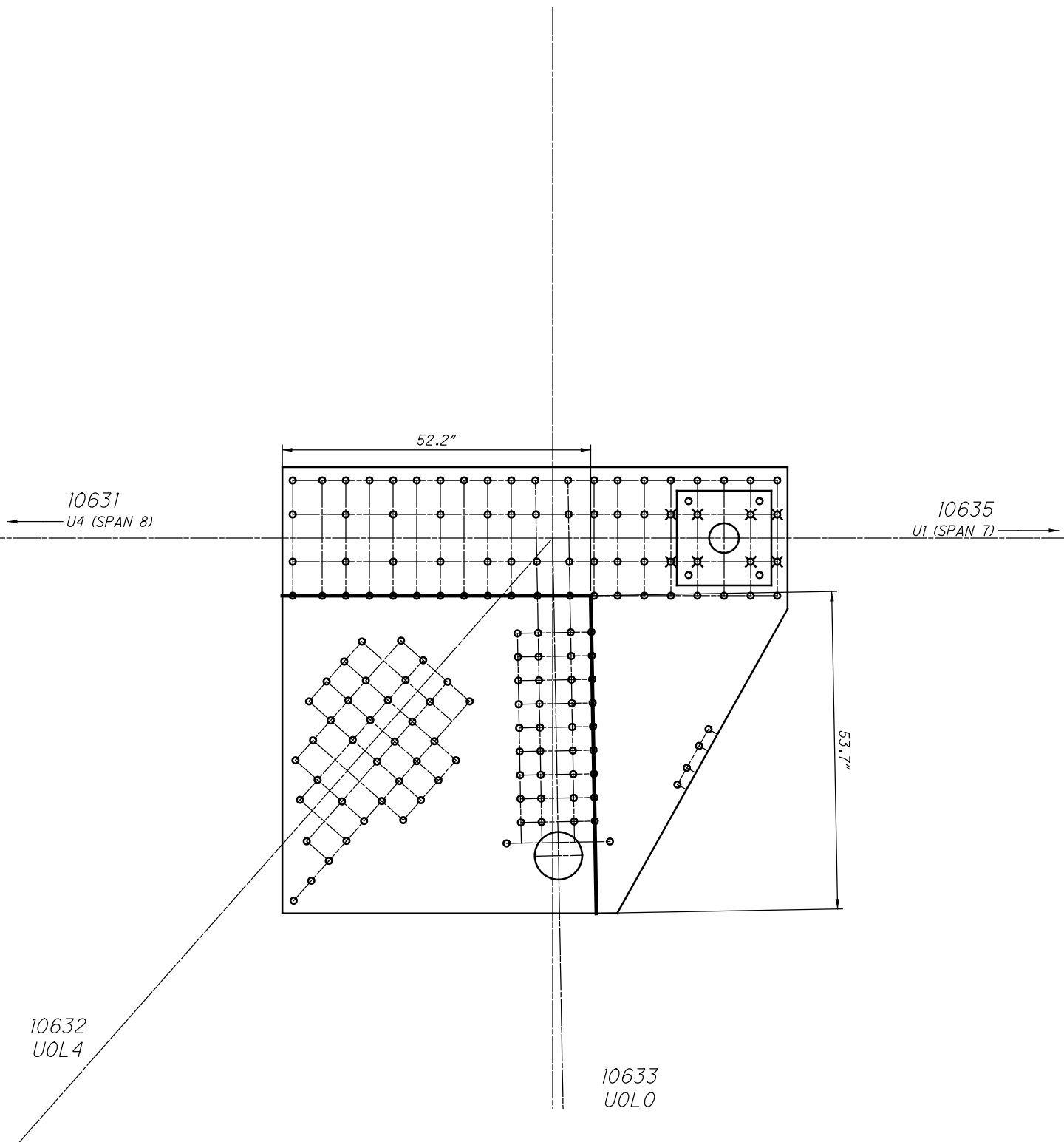
**U63 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U63 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U63 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



**U63 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

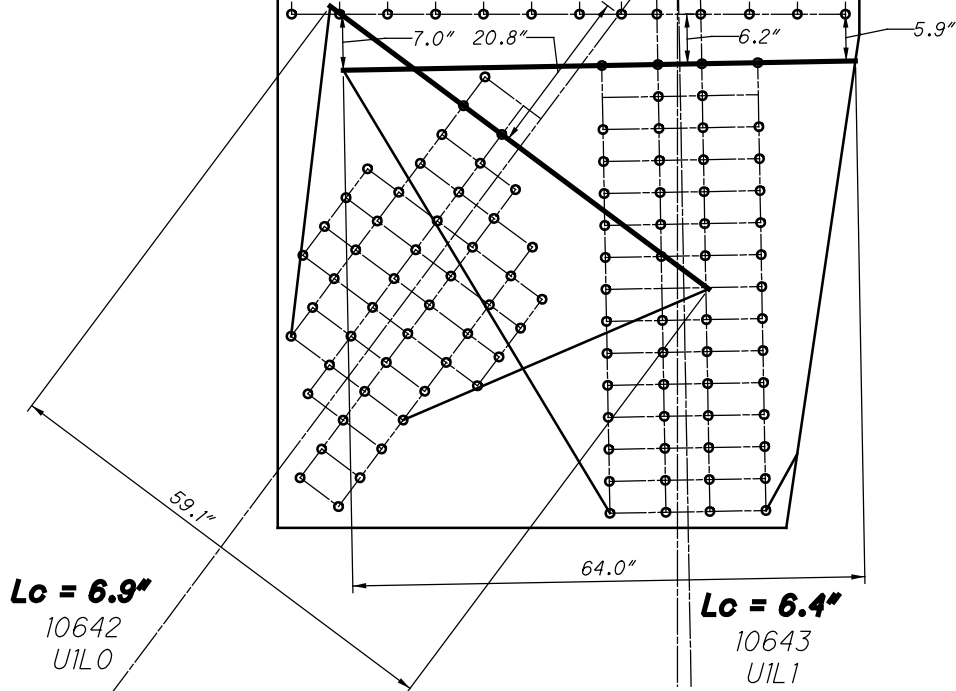


U64 INSIDE (SPAN 12)

21064 AND 31064

10641
U0 (SPAN 7)

10645
U2 (SPAN 7)



**U64 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10641
U0 (SPAN 7)

10645
U2 (SPAN 7)

10642
U1L0

10643
U1L1

**U64 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21064 AND 31064

10641
U0 (SPAN 7)

10645
U2 (SPAN 7)

40 RIVETS
x 2 PLATES
= 80 RIVETS

56 RIVETS
x 2 PLATES
= 112 RIVETS

10642
U1L0

10643
U1L1

**U64 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

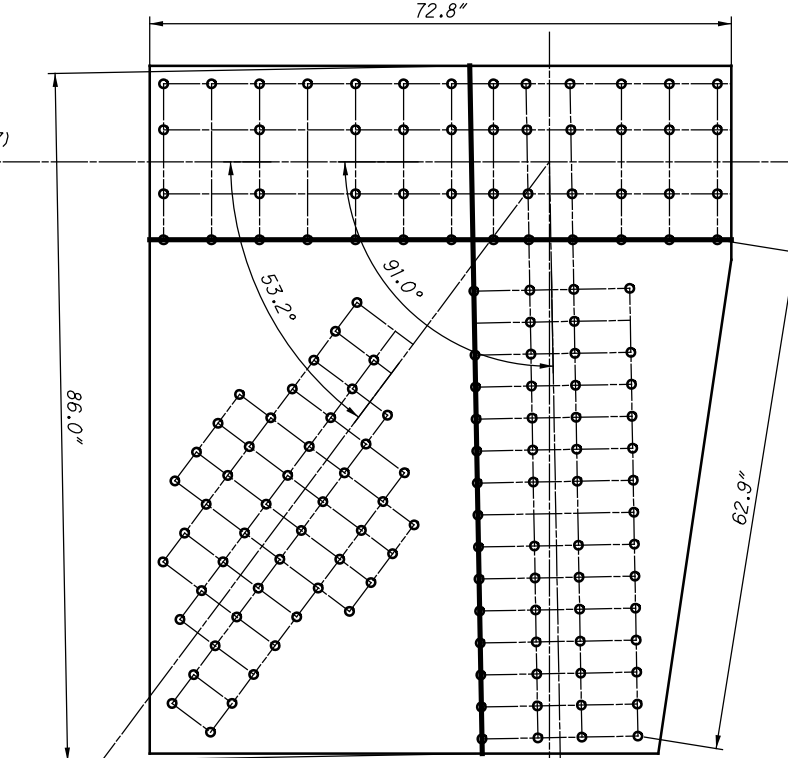
10641
U0 (SPAN 7)

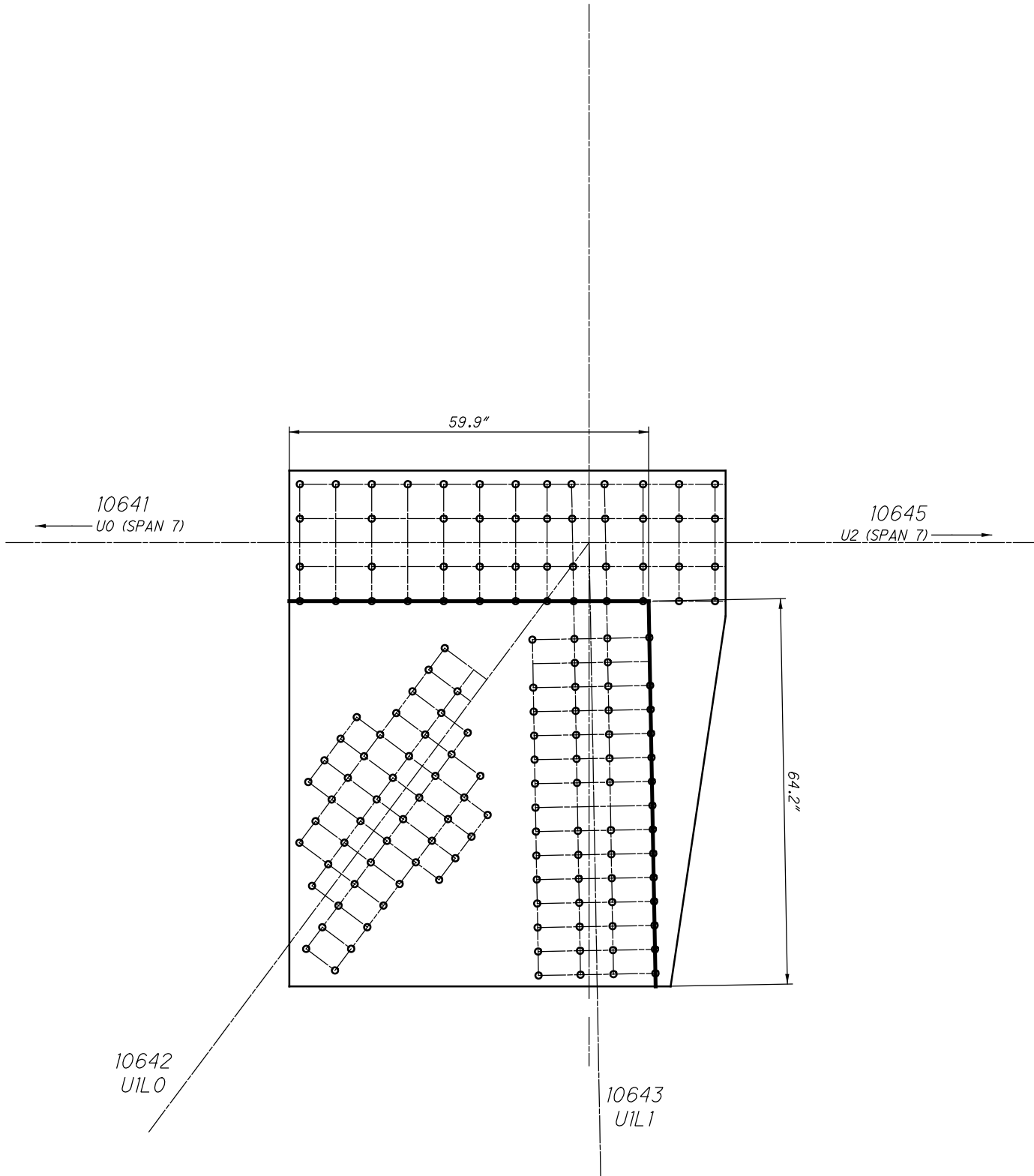
10645
U2 (SPAN 7)

10642
U1L0

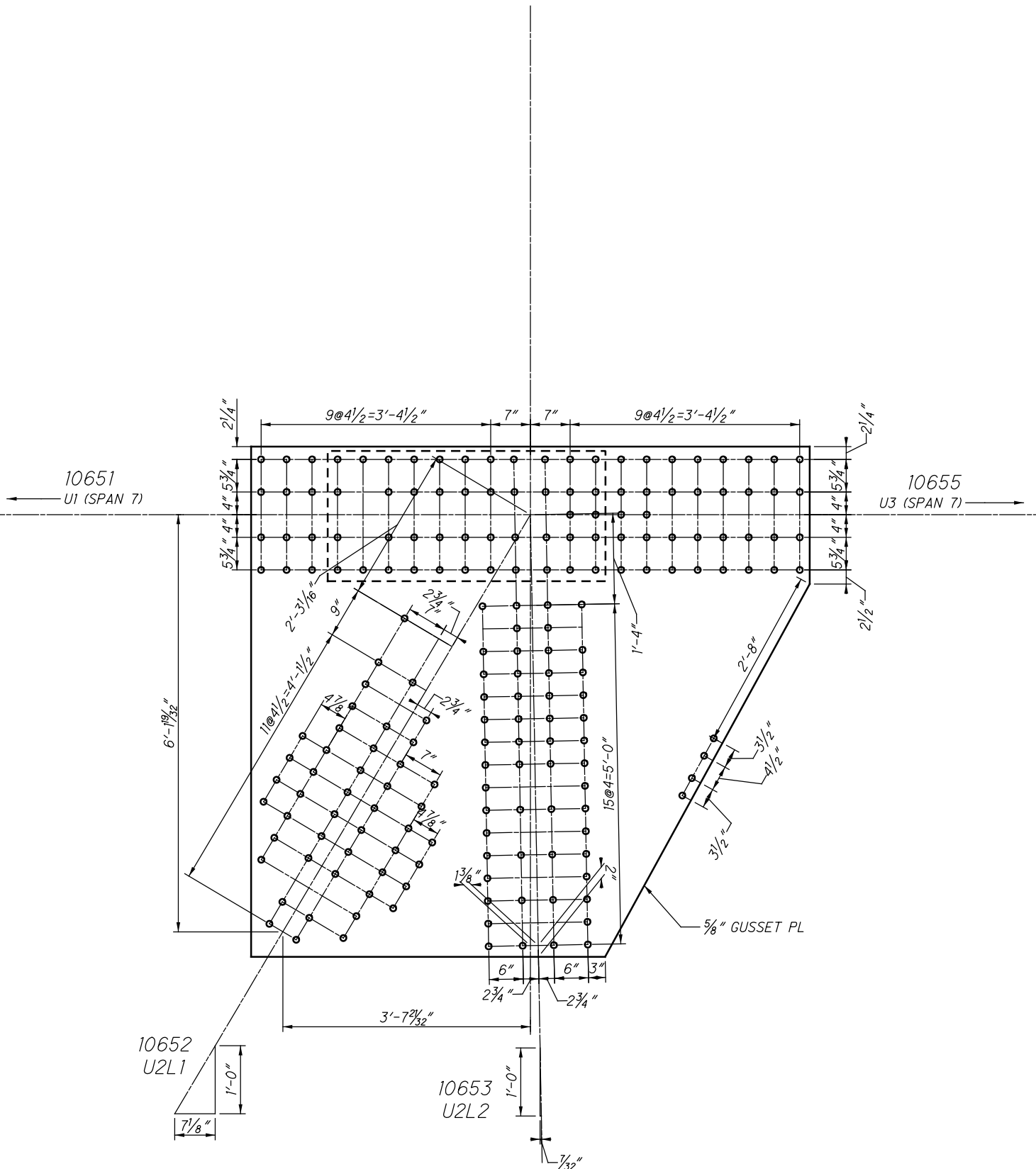
10643
U1L1

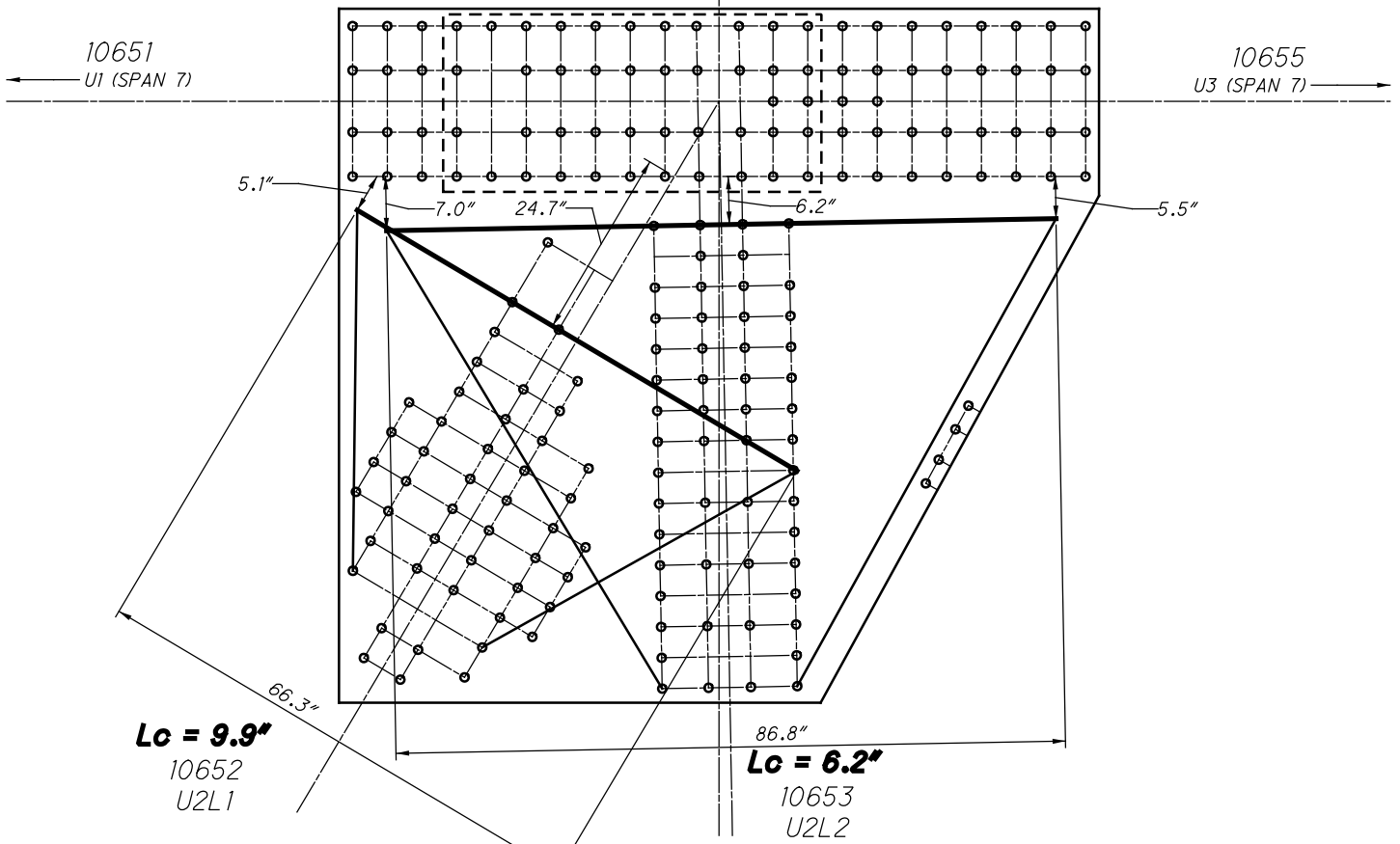
**U64 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



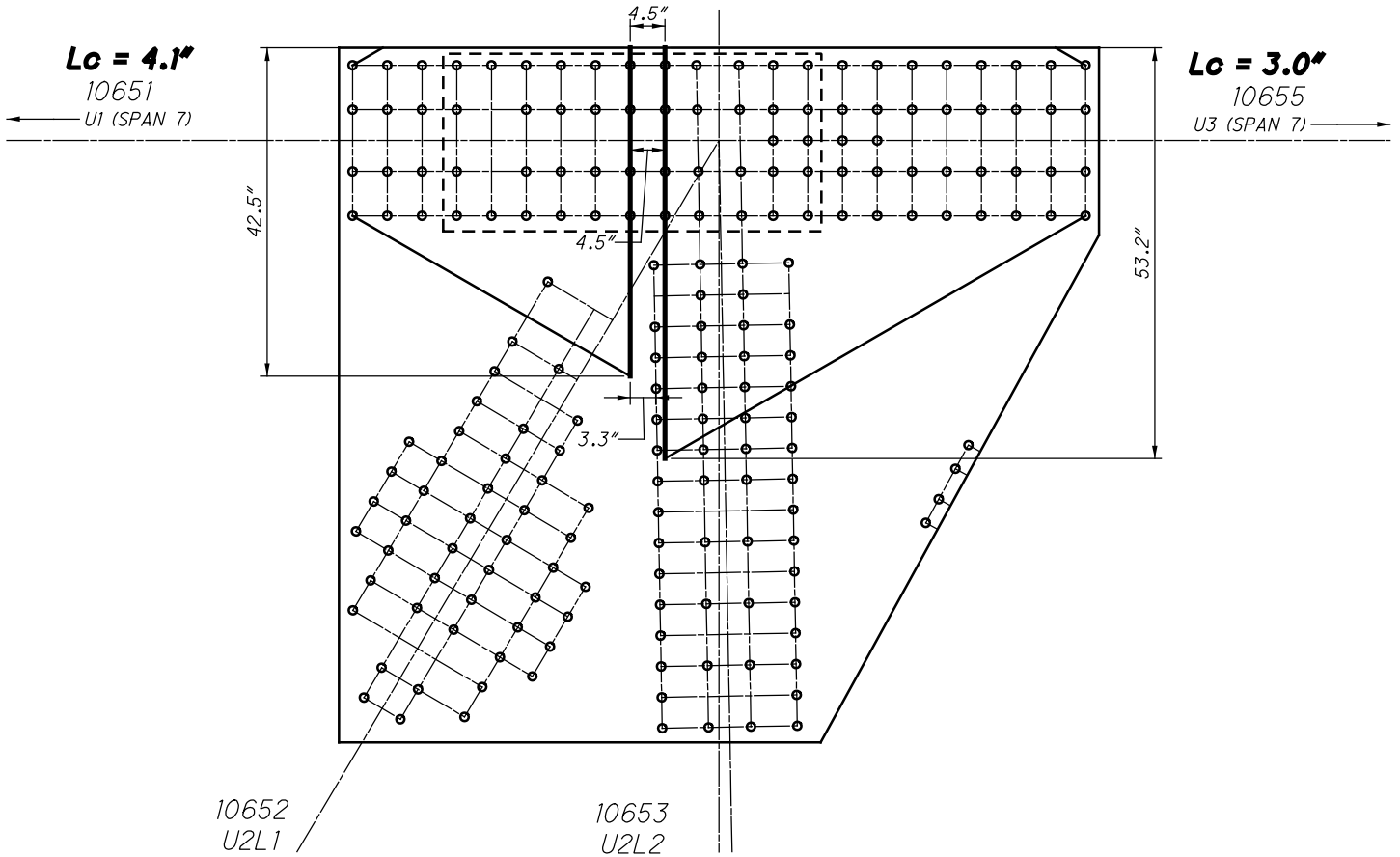


**U64 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

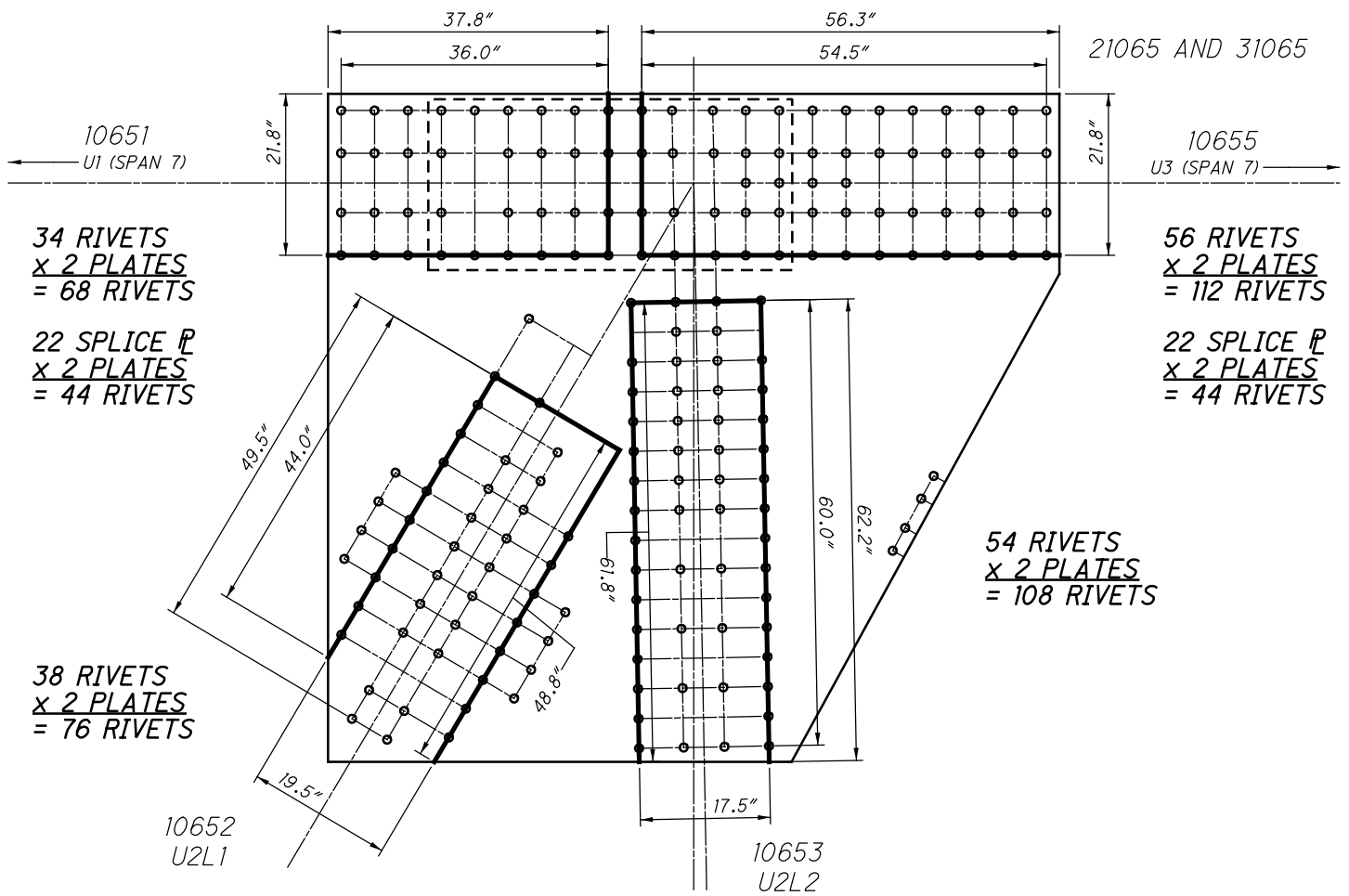




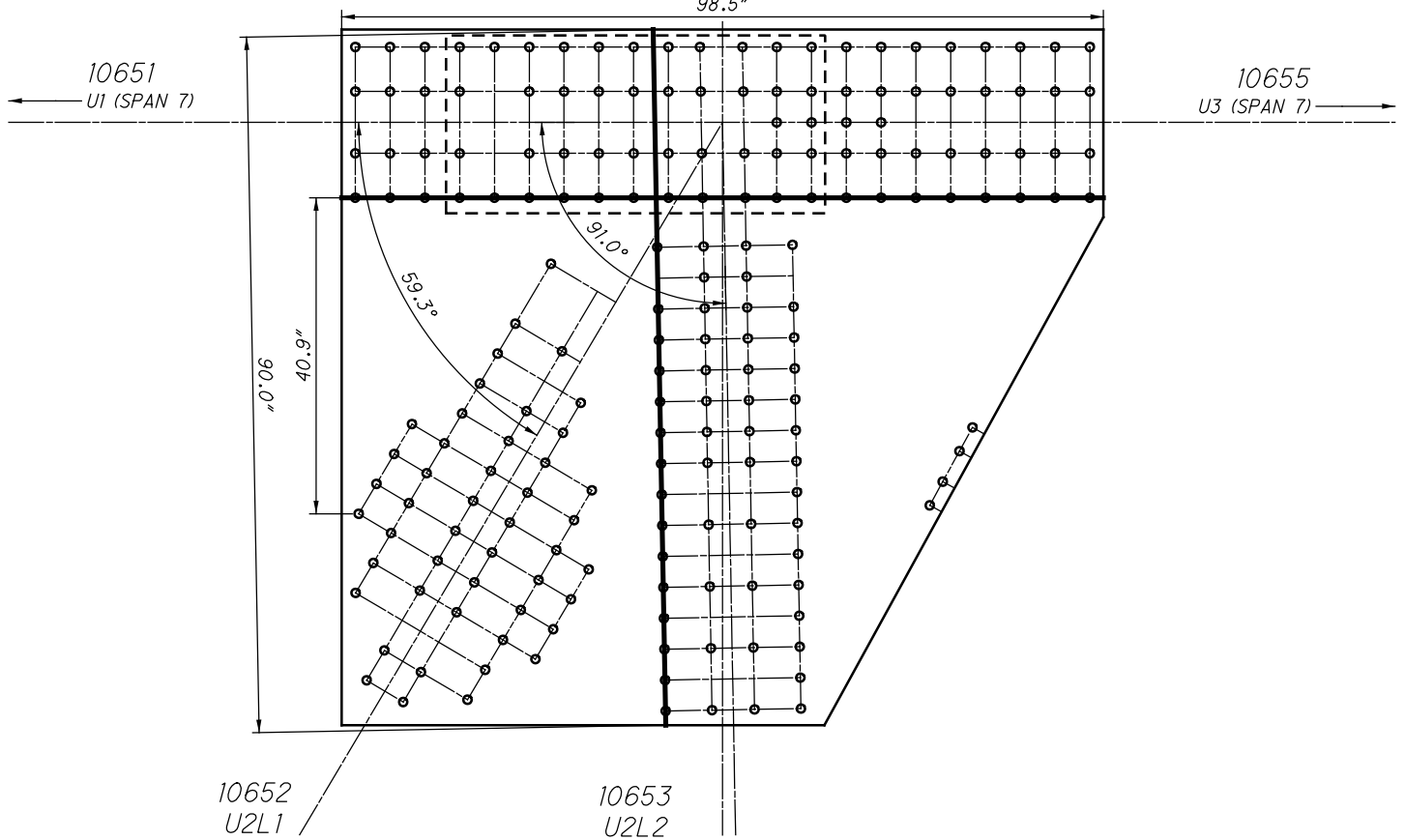
**U65 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



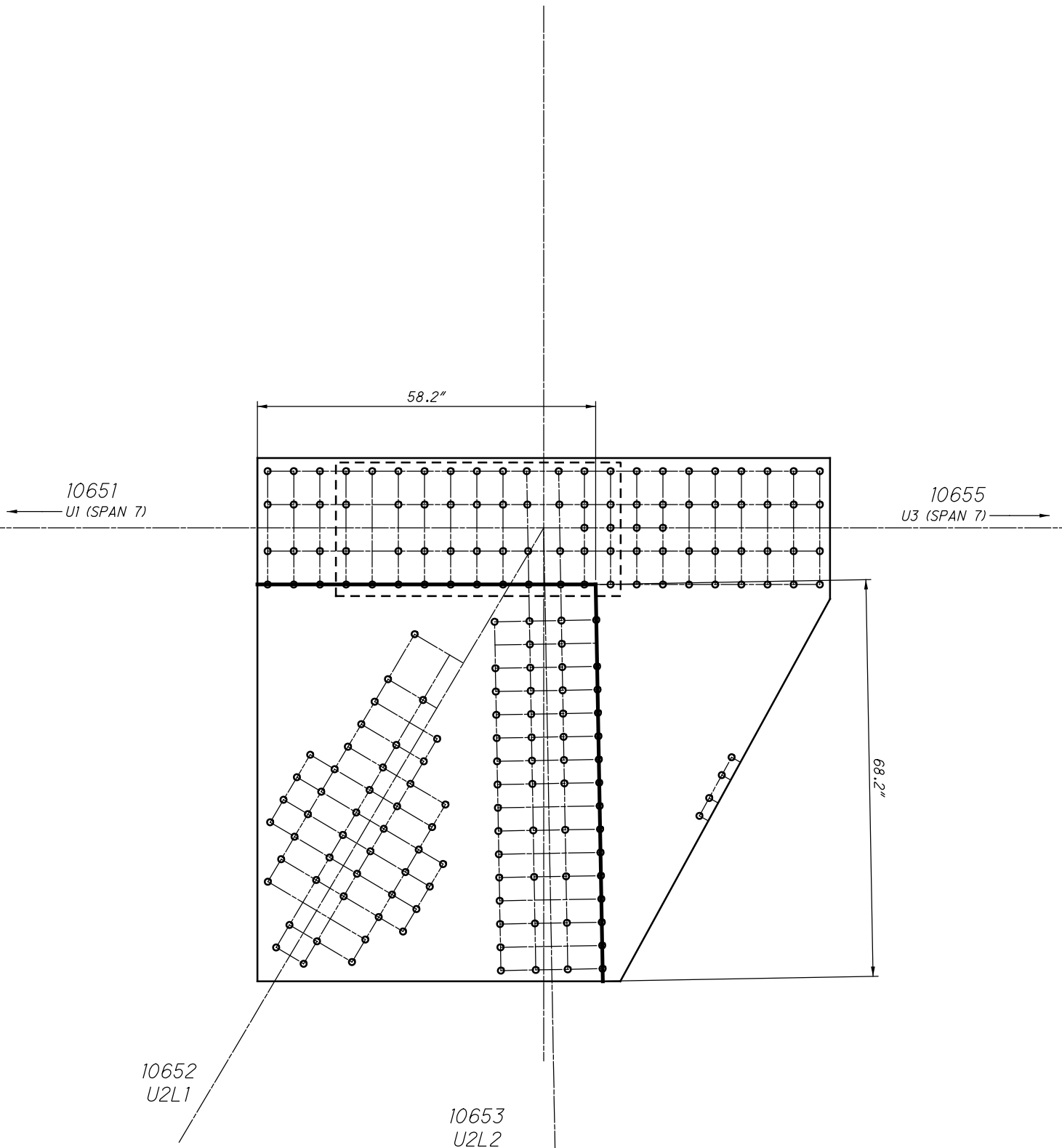
**U65 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U65 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



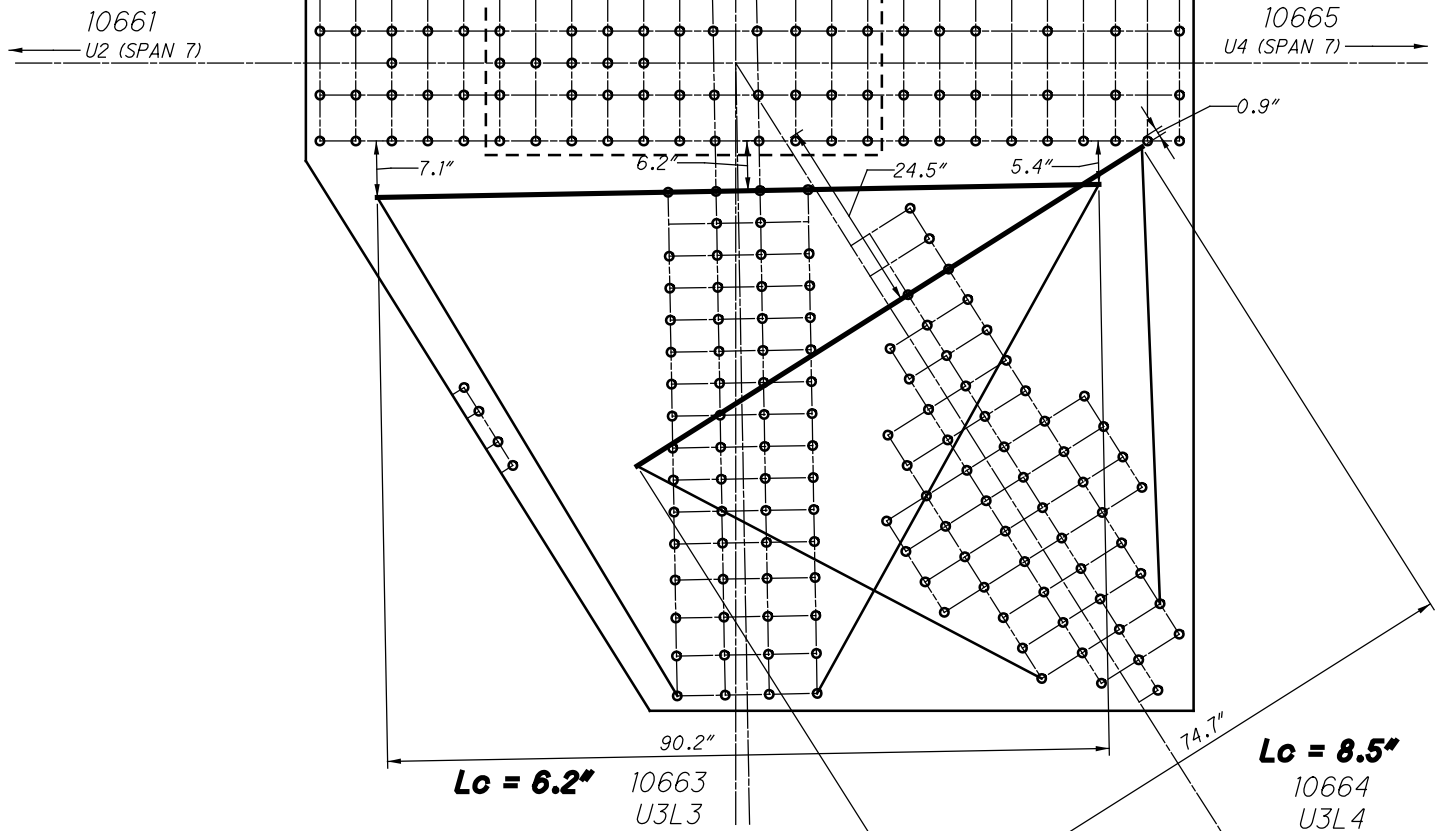
**U65 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



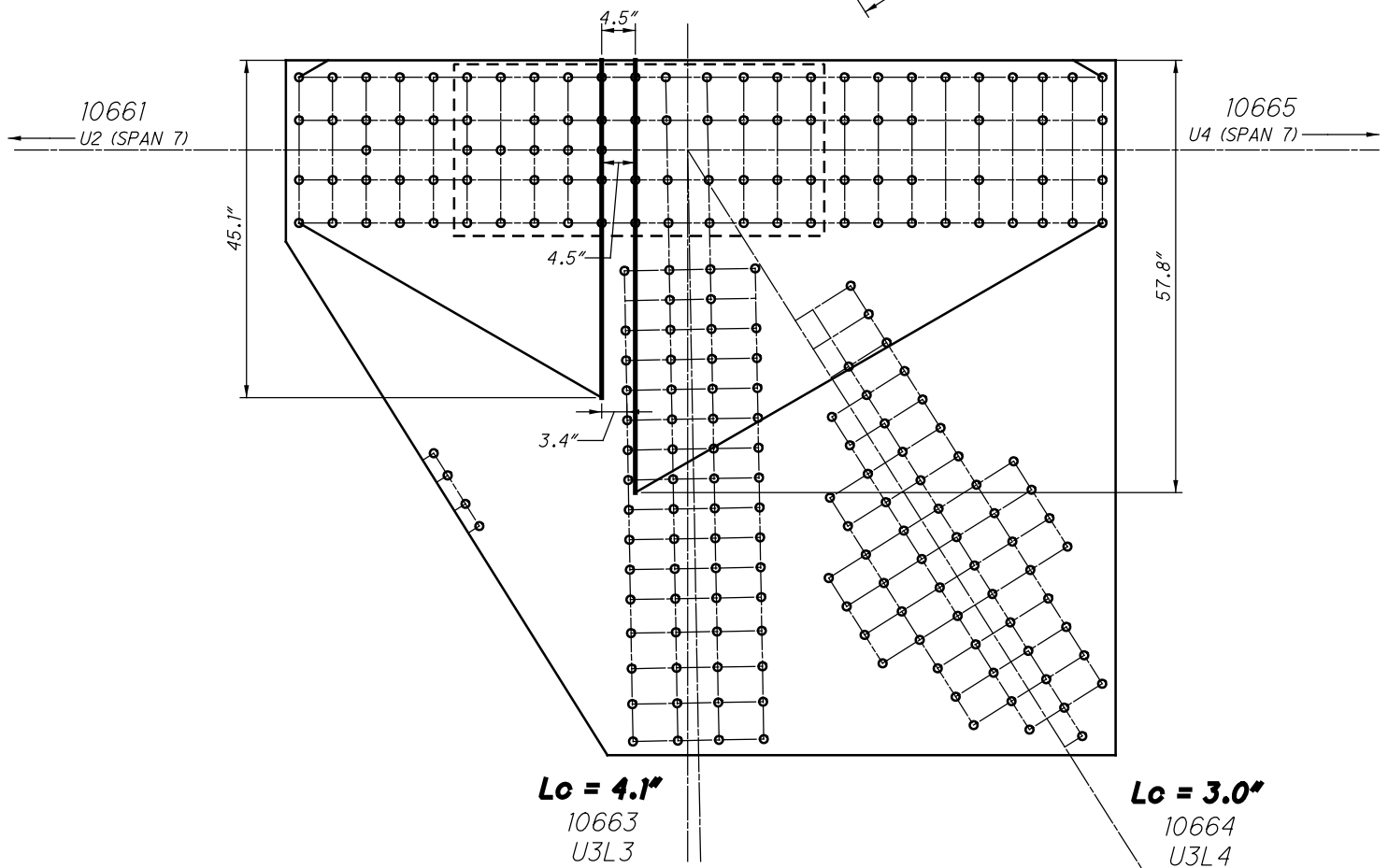
**U65 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



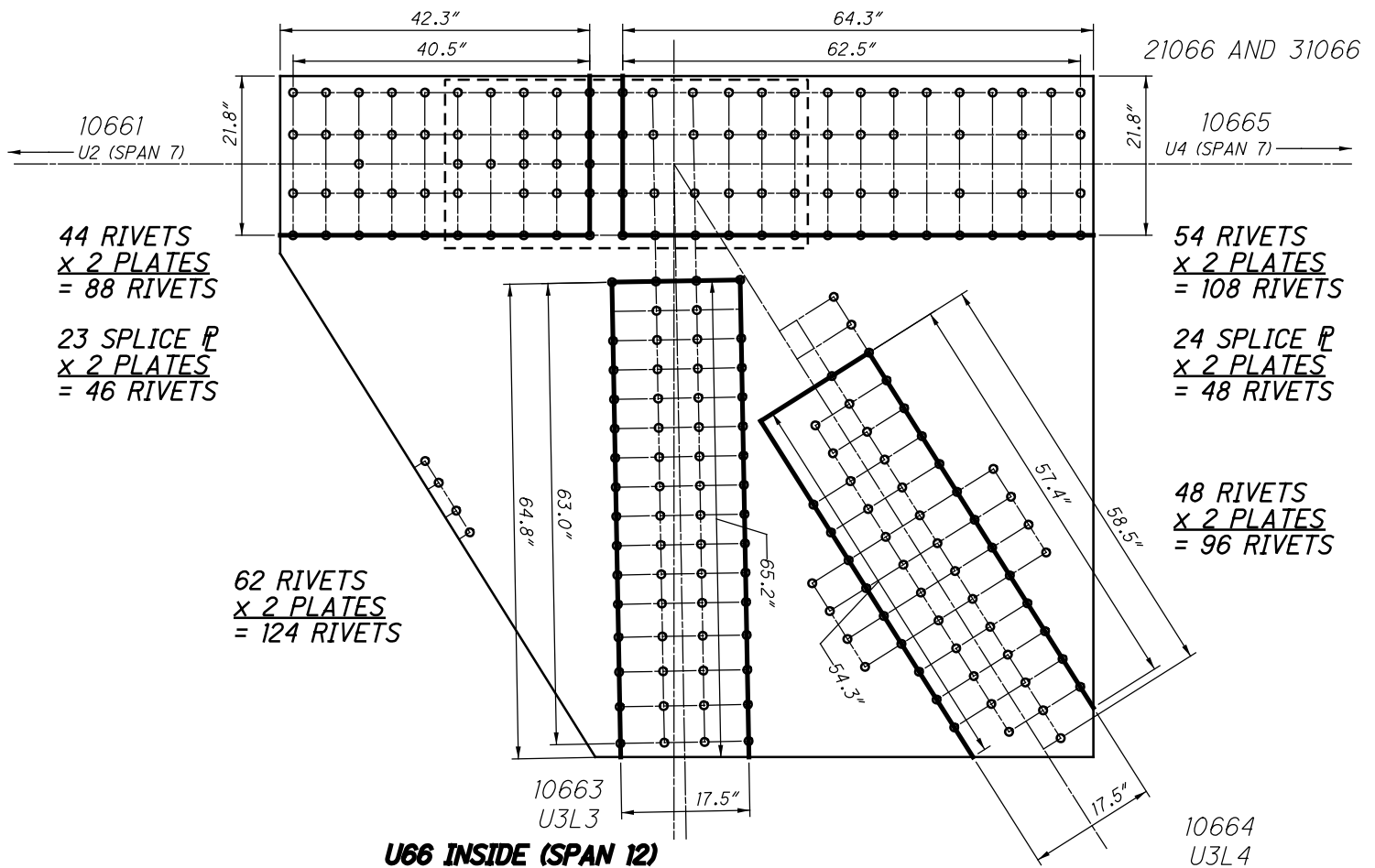
21066 AND 31066



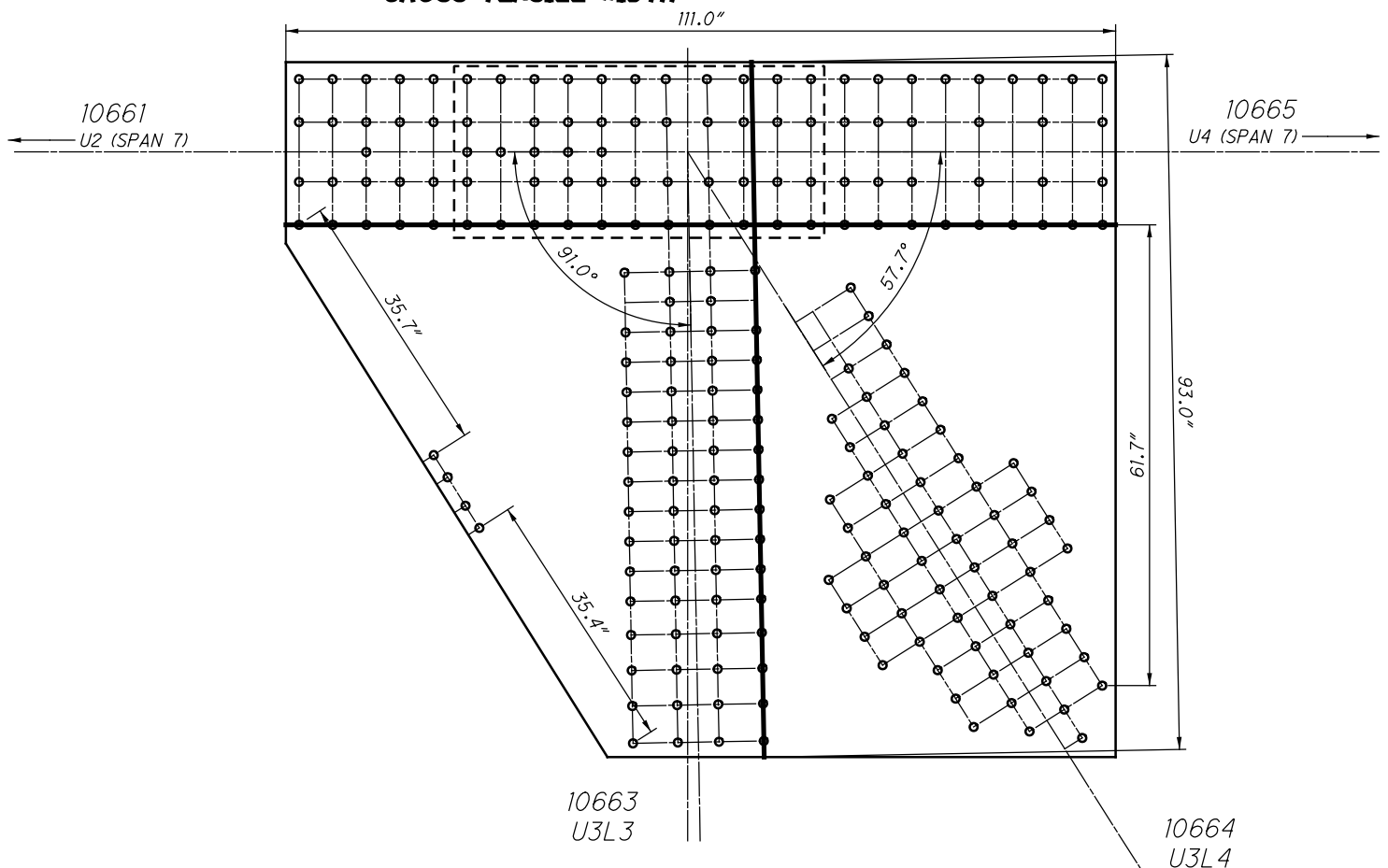
**U66 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



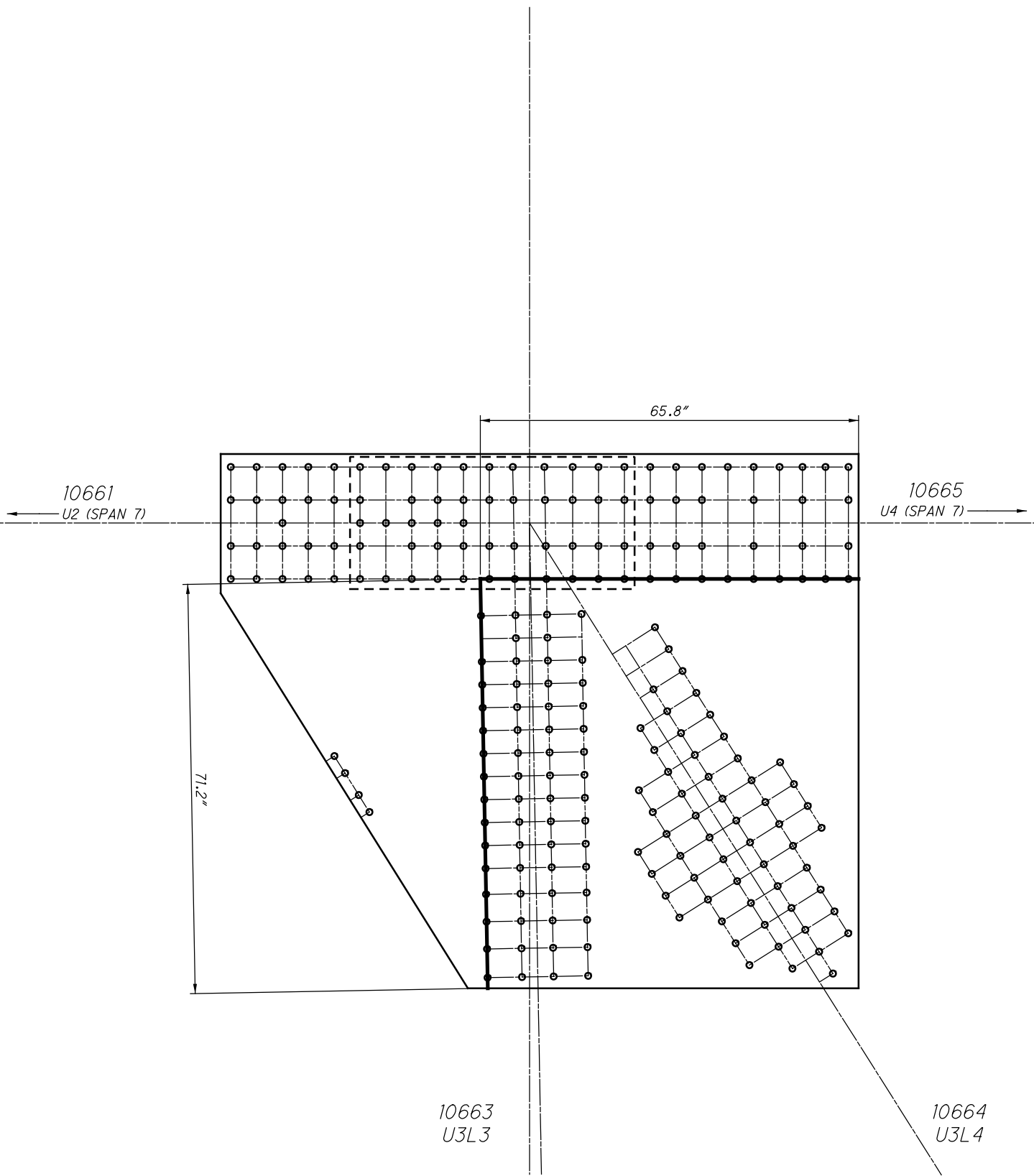
**U66 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



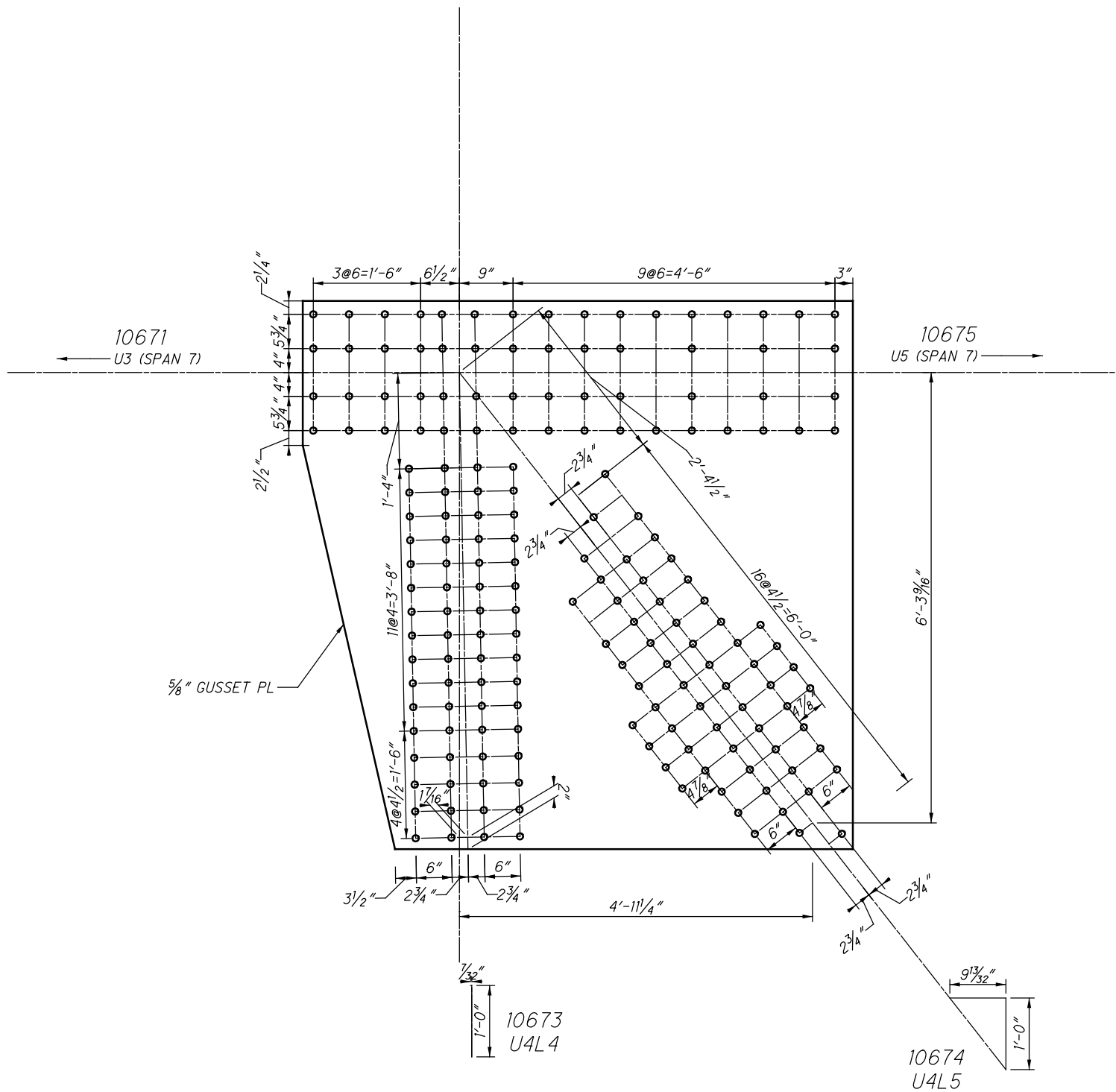
**U66 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U66 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



**U66 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



U67 INSIDE (SPAN 12)

21067 AND 31067

10671

U3 (SPAN 7)

10675

U5 (SPAN 7)

6.7"

6.2"

5.4"

25.1"

70.1"

79.9"

Lc = 6.1"

10673
U4L4

Lc = 8.4"

10674
U4L5

**U67 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

10671

U3 (SPAN 7)

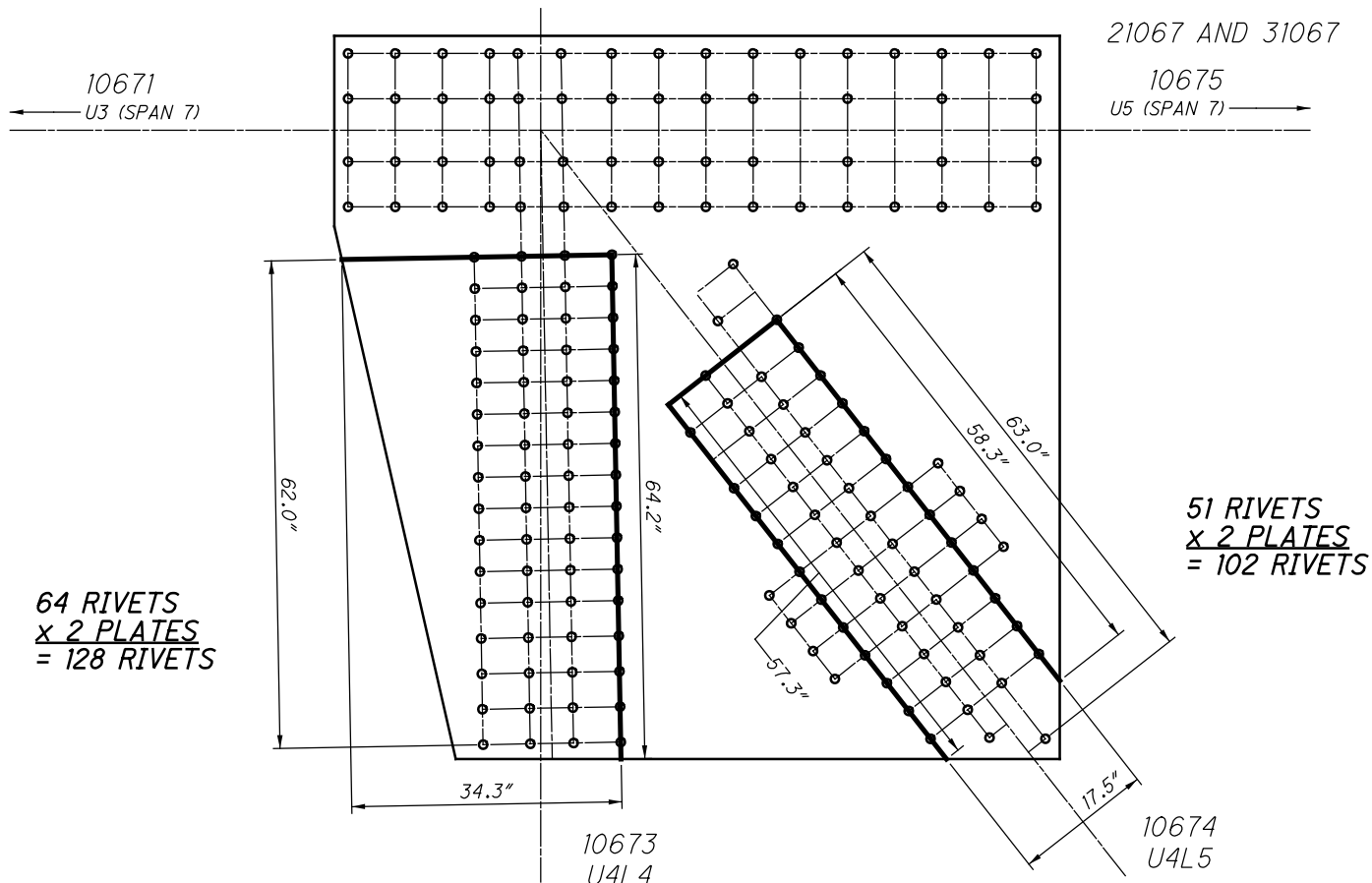
10675

U5 (SPAN 7)

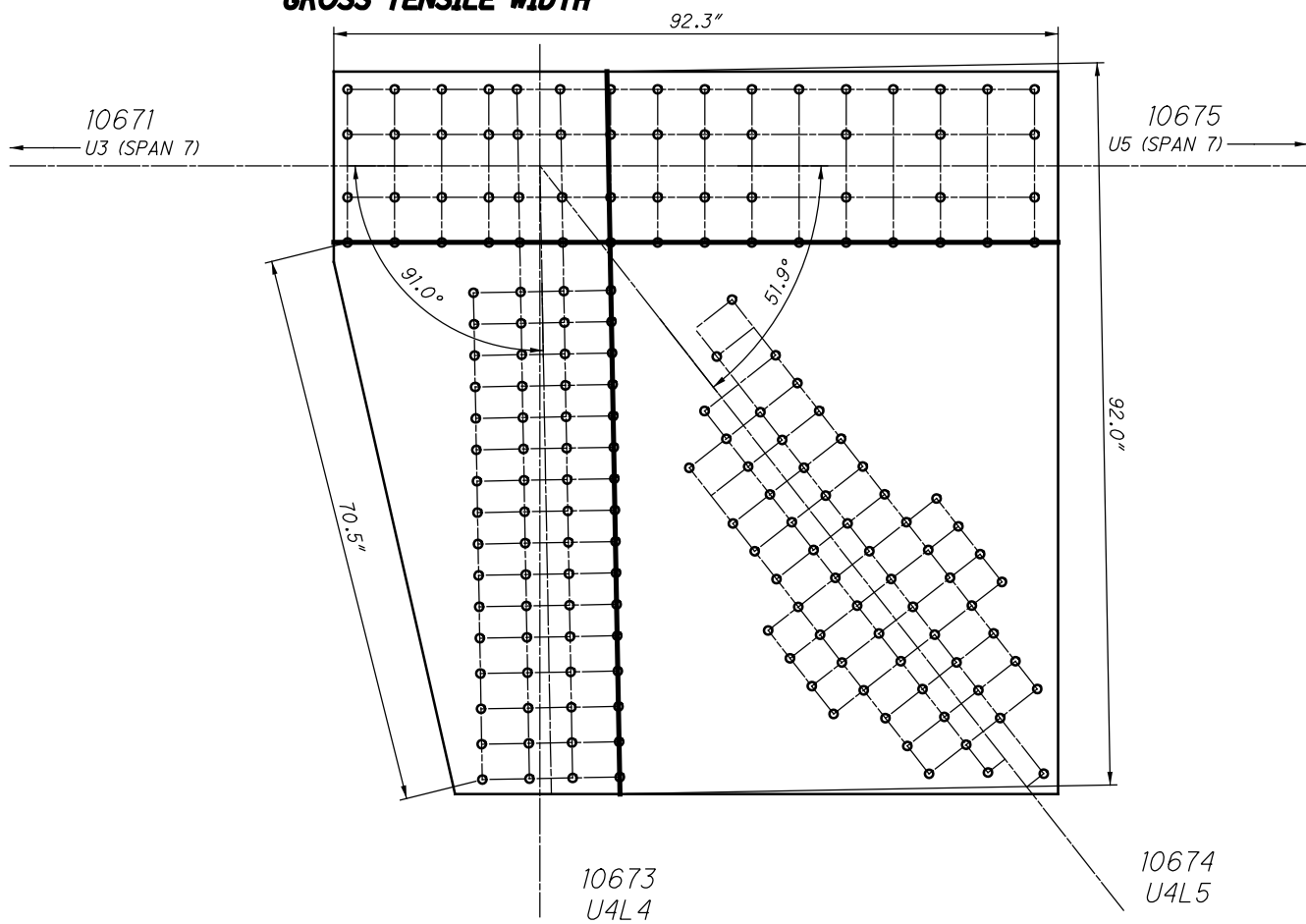
10673
U4L4

10674
U4L5

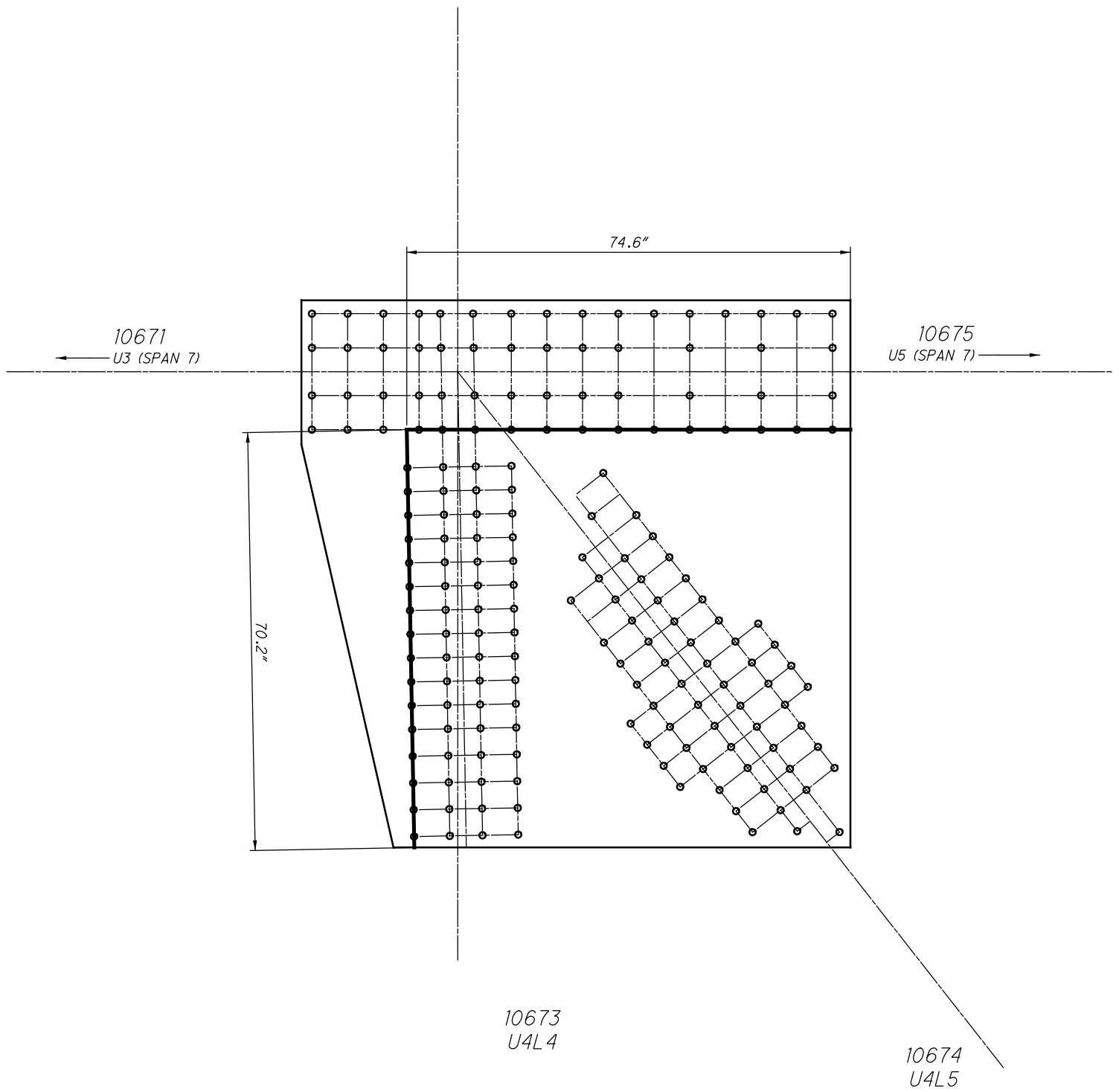
**U67 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



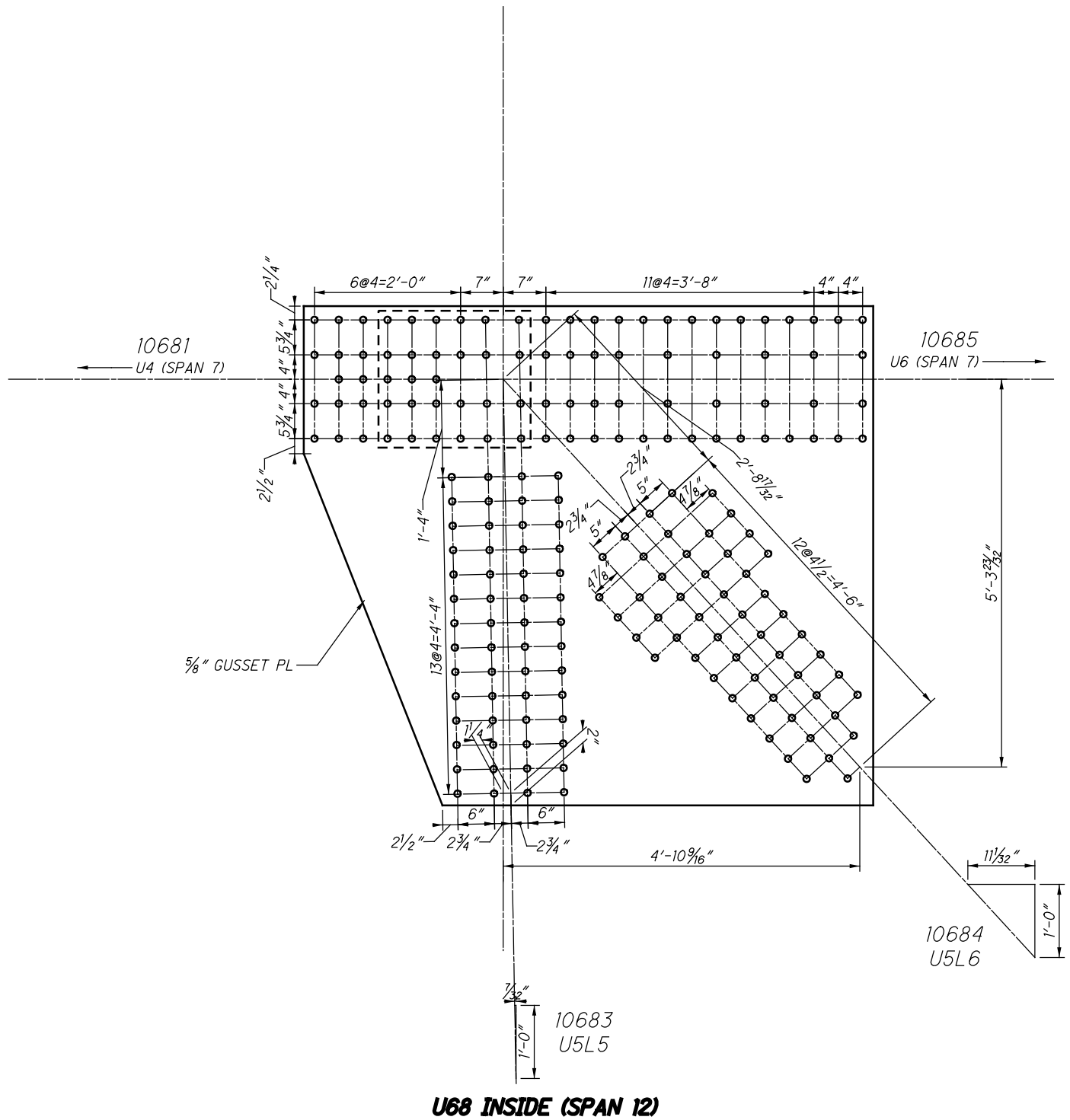
**U67 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

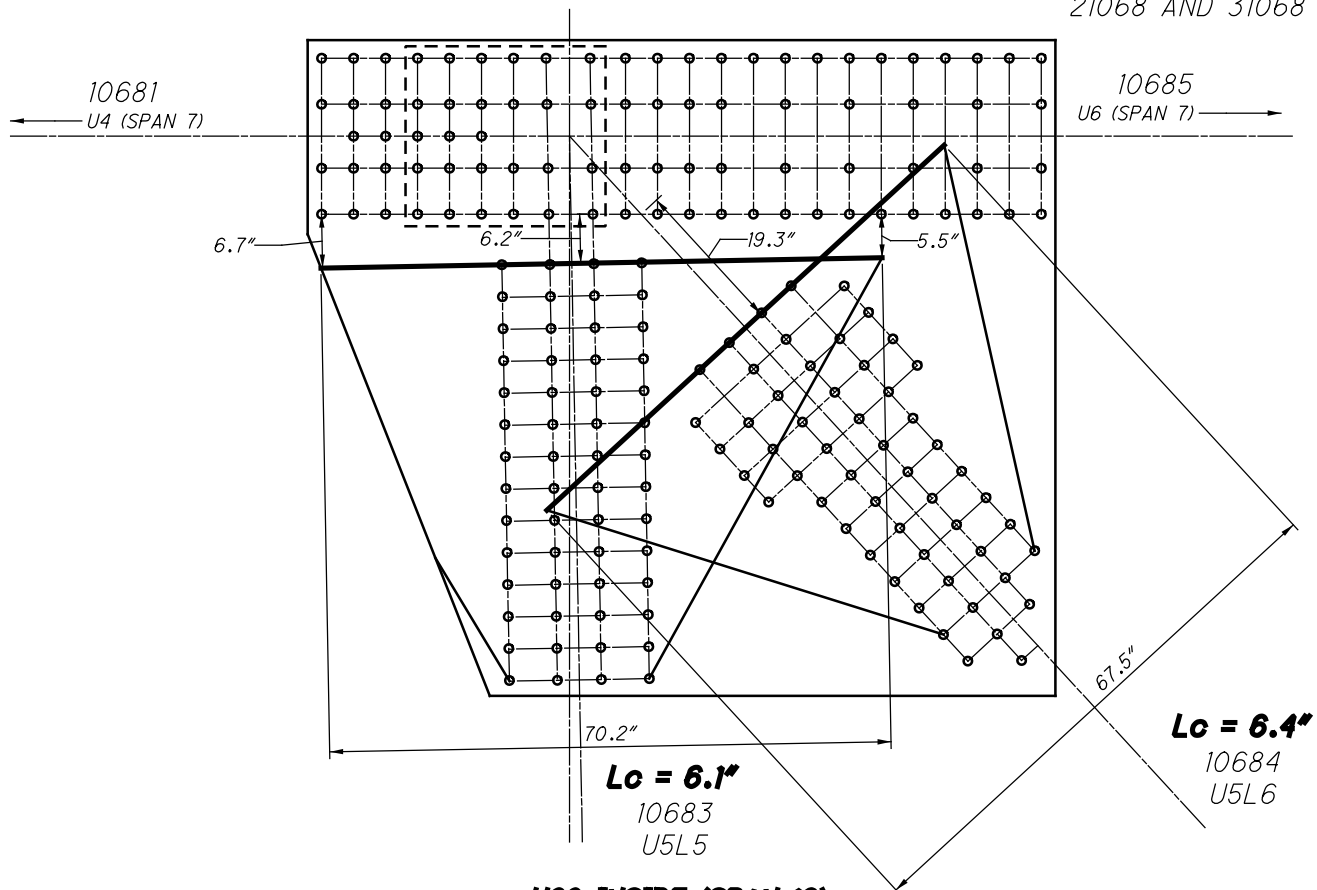


**U67 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

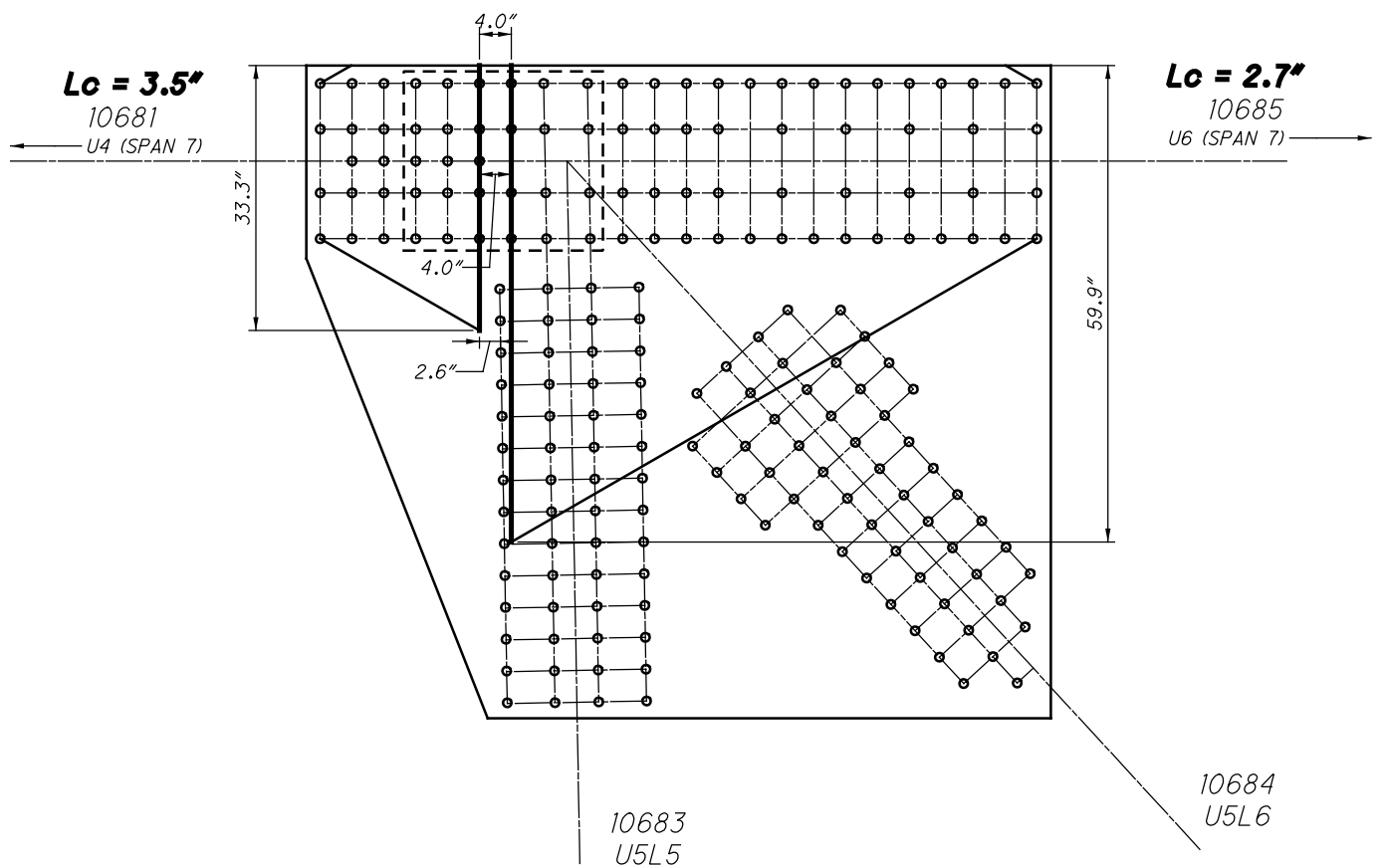


**U67 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

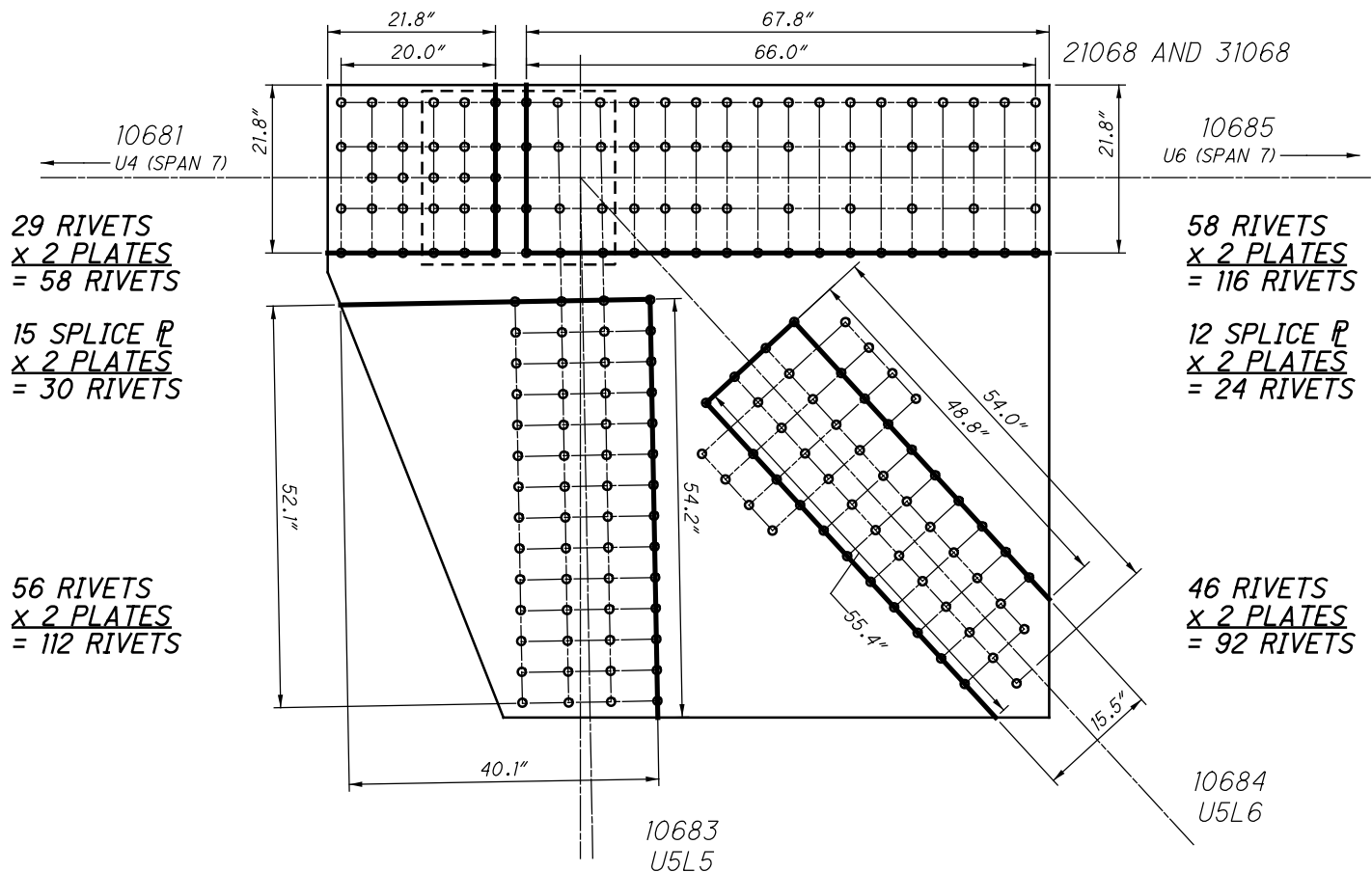




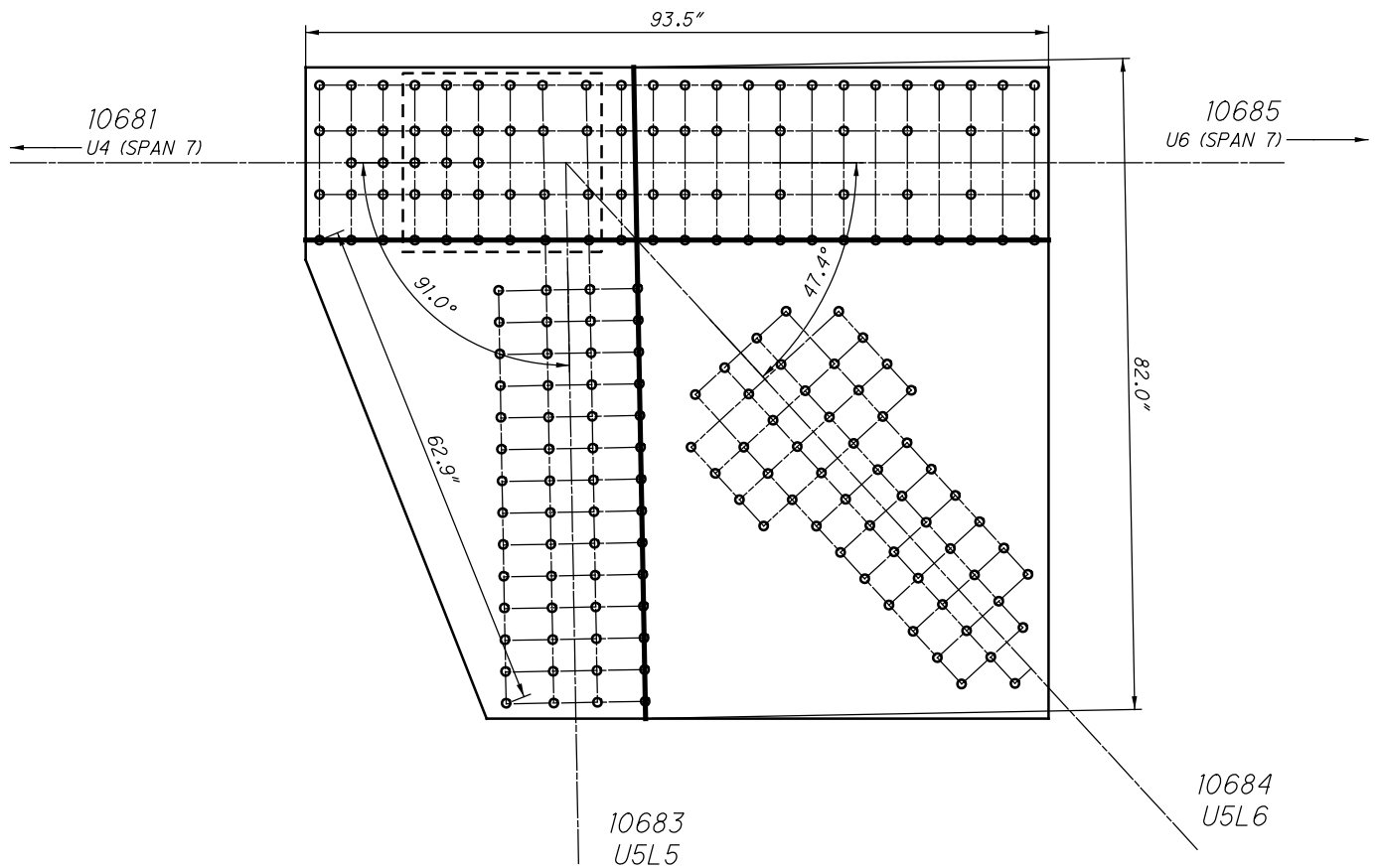
**U68 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



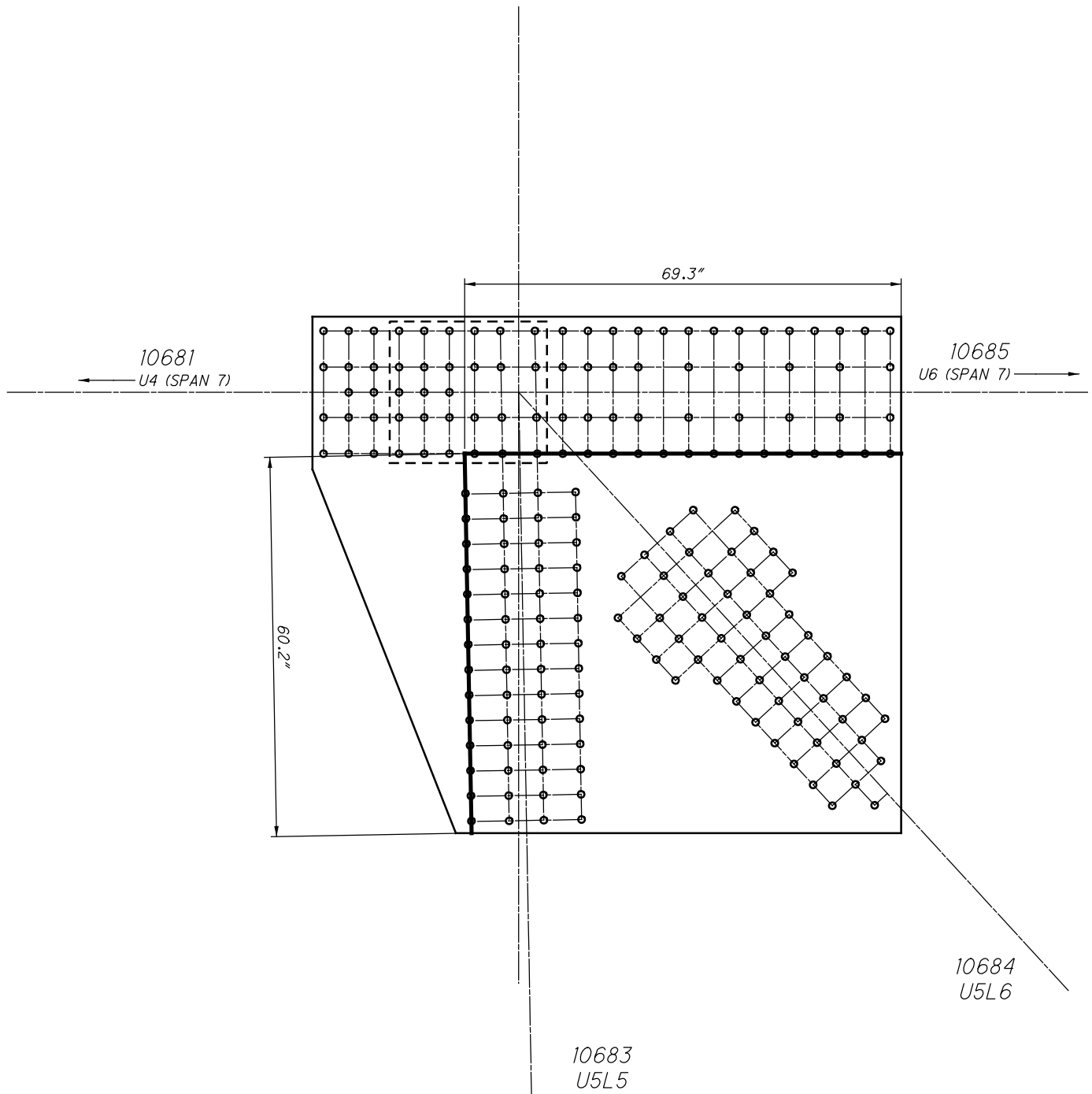
**U68 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



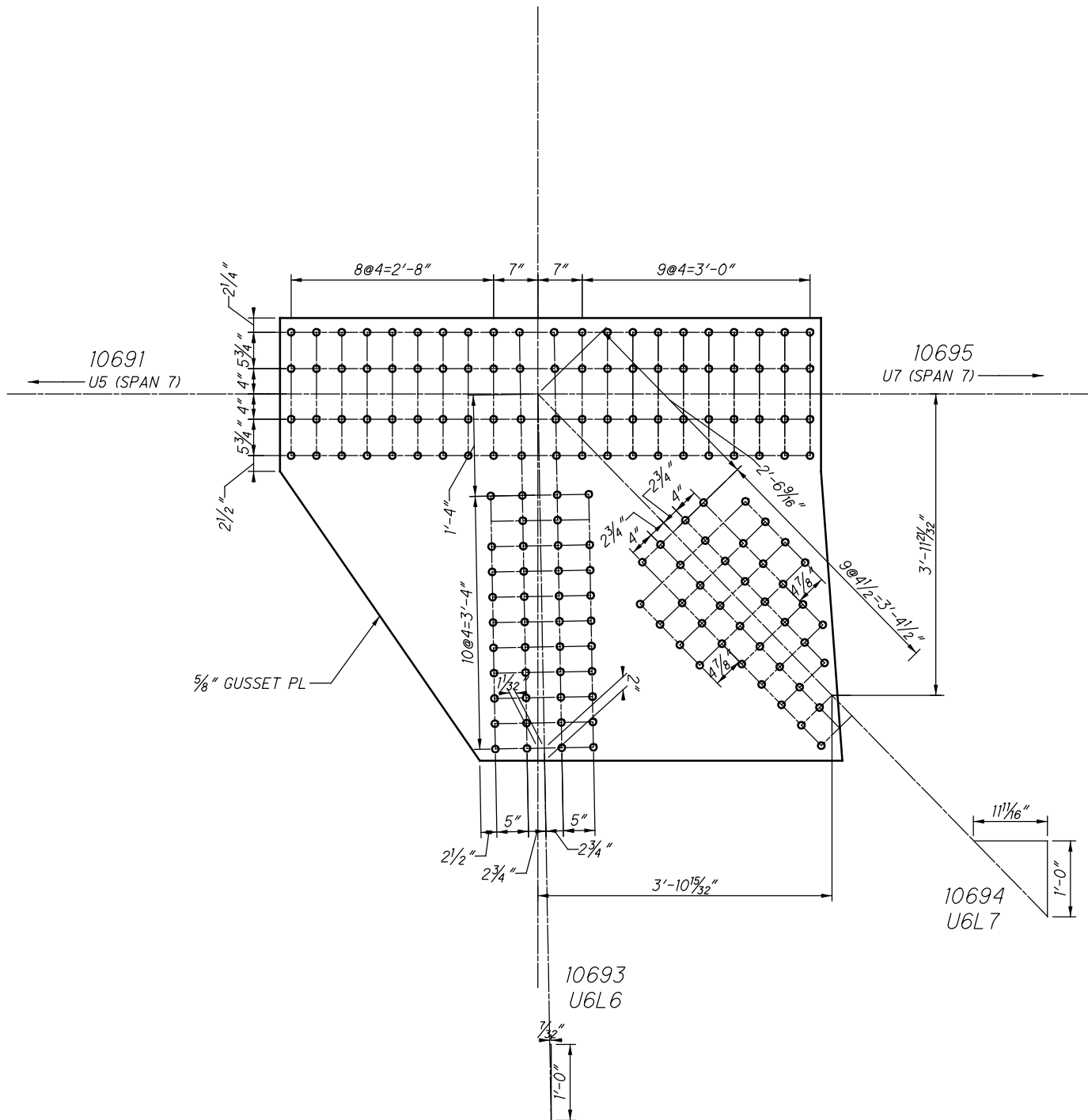
**U68 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



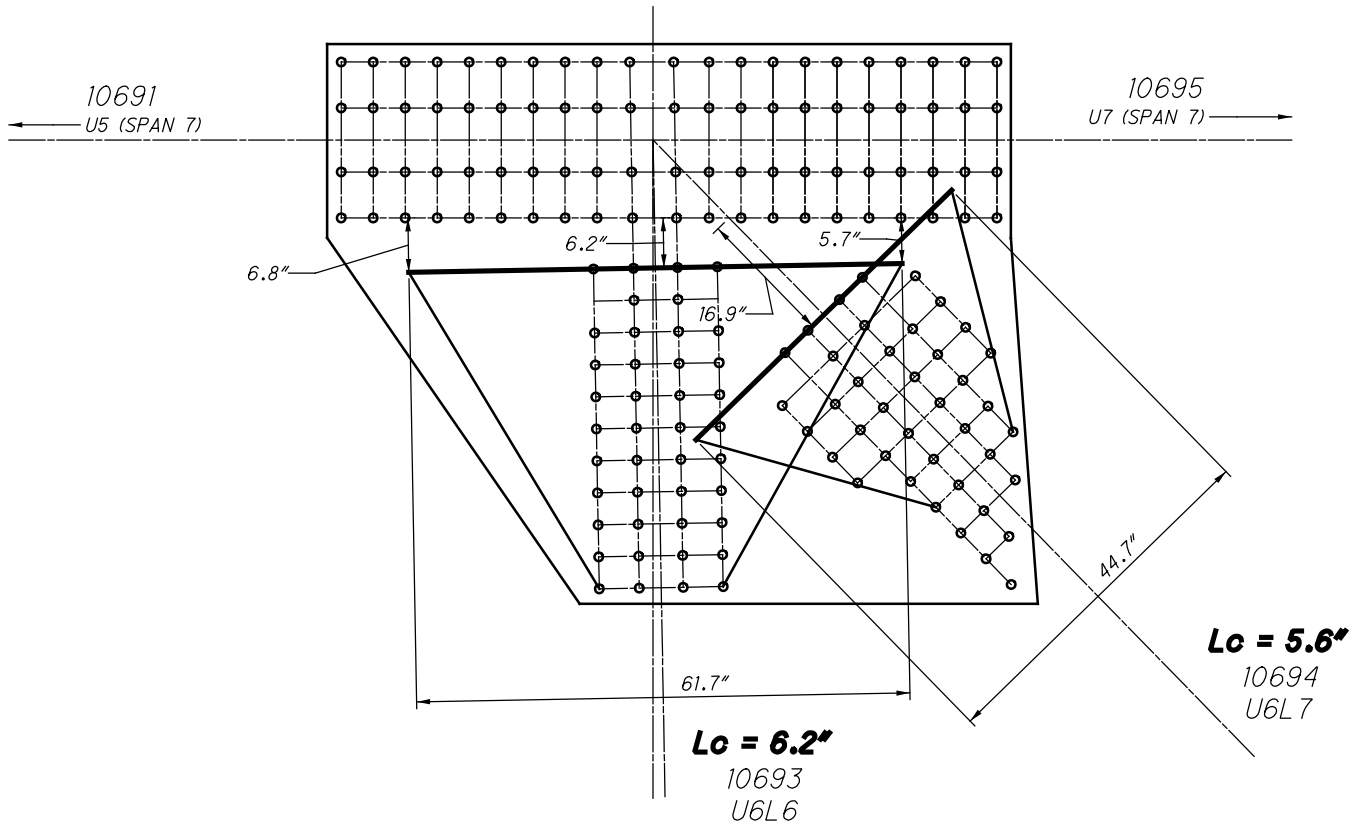
**U68 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



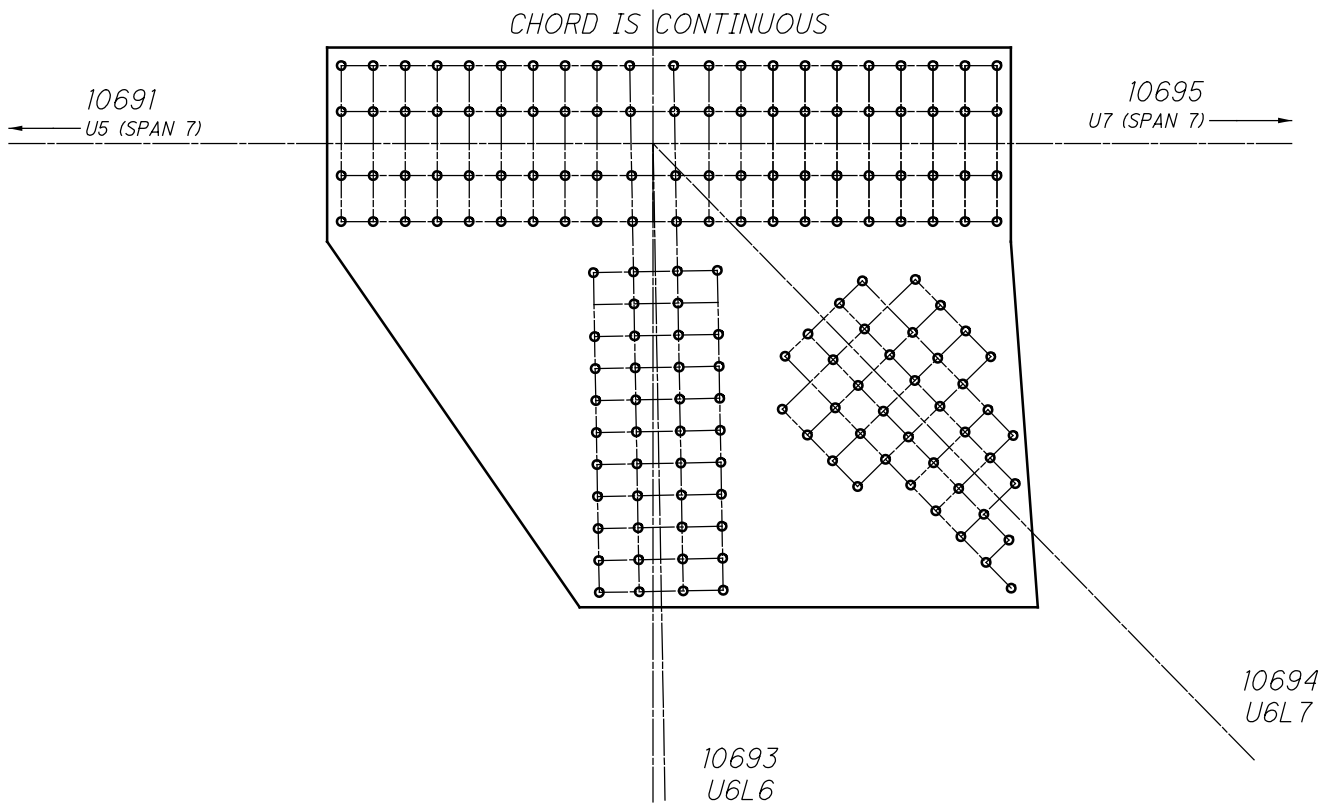
**U68 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



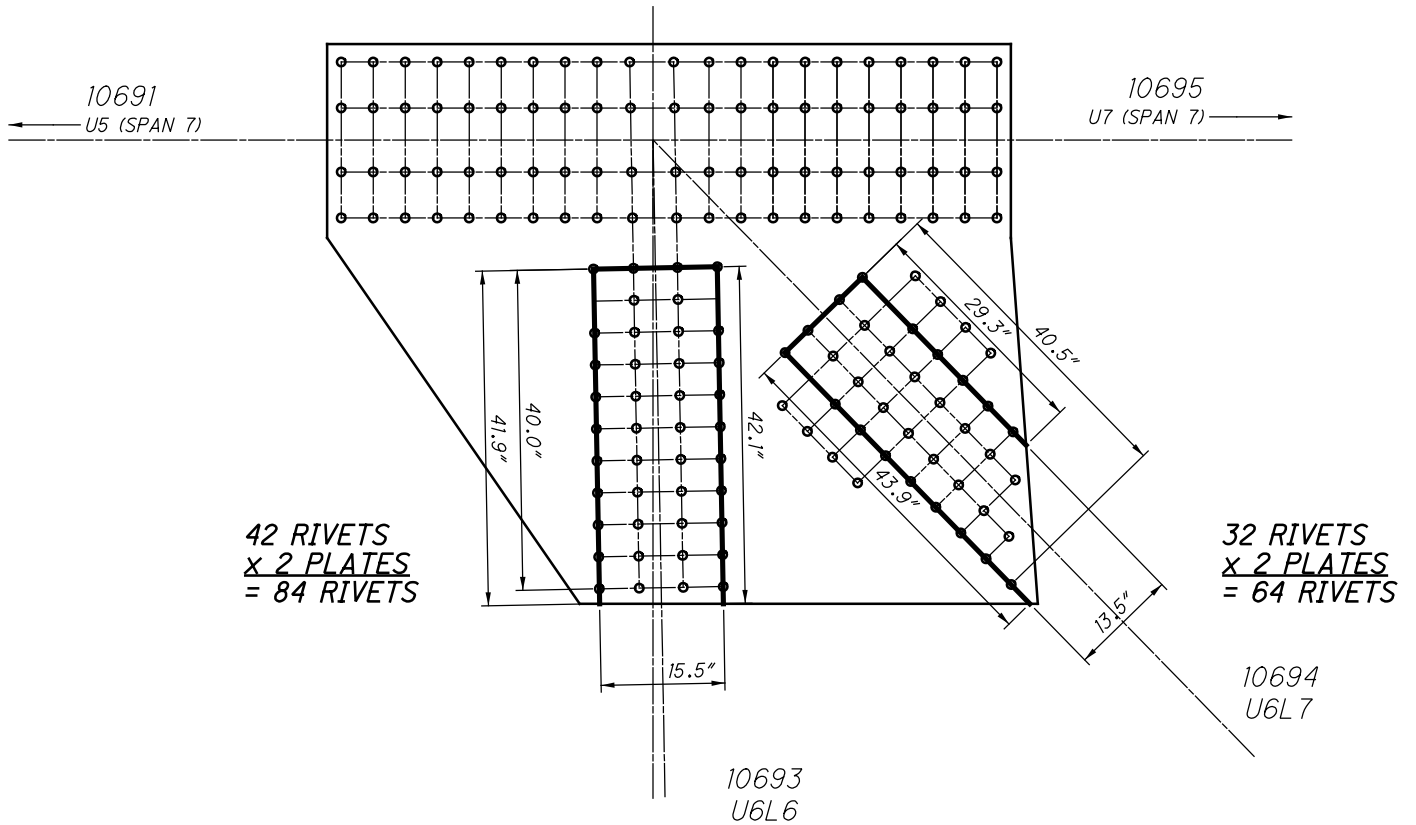
U69 INSIDE (SPAN 12)



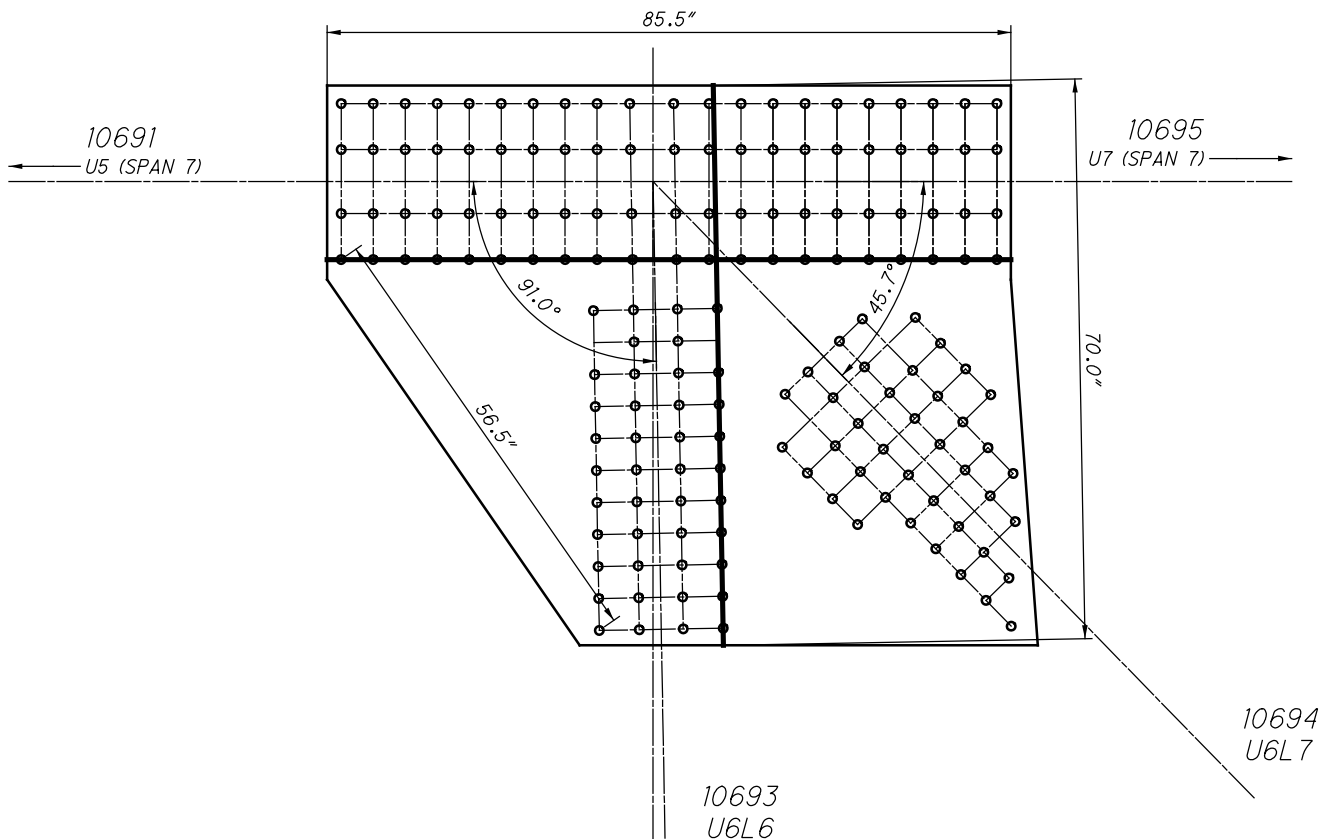
**U69 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



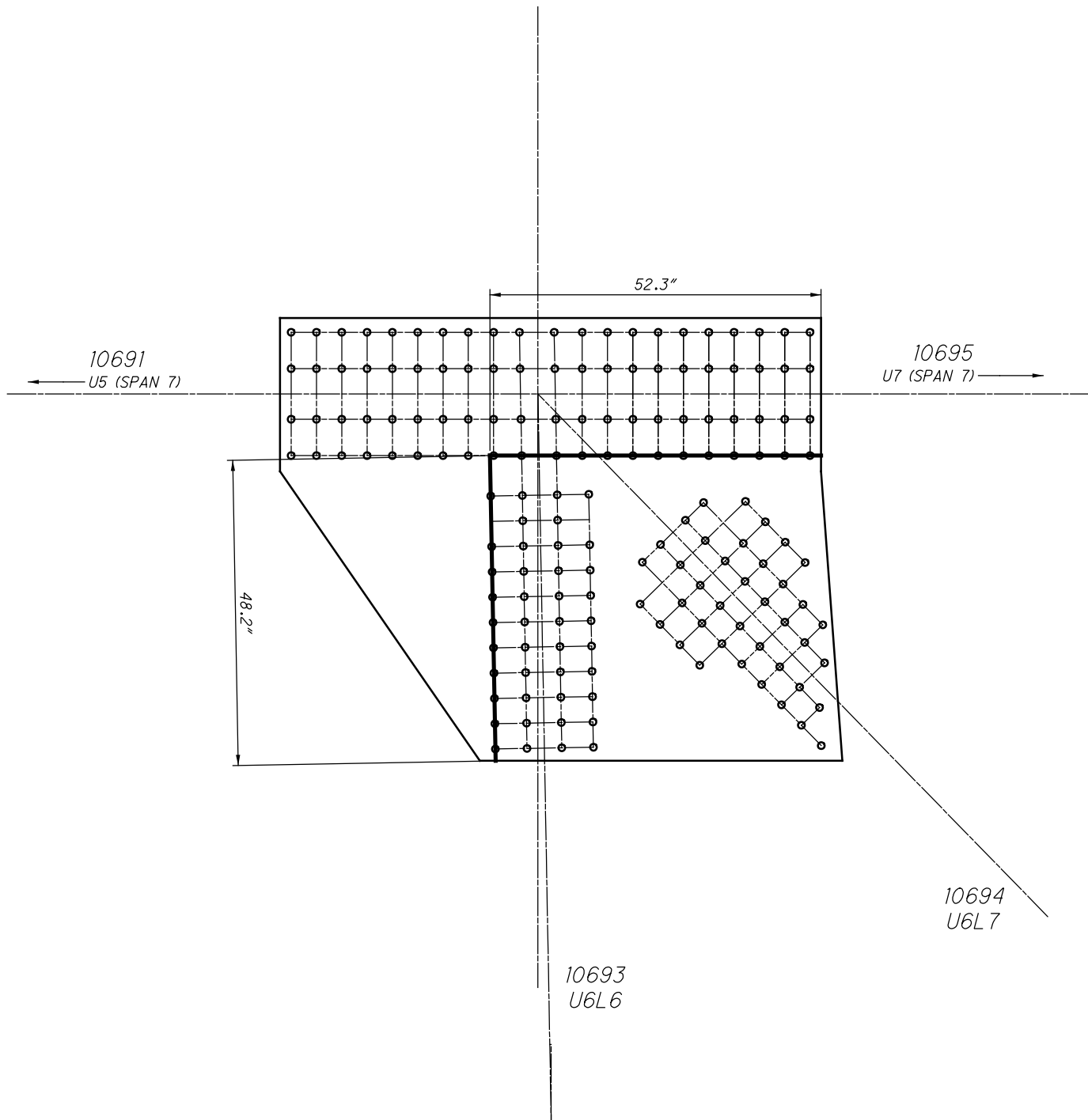
**U69 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



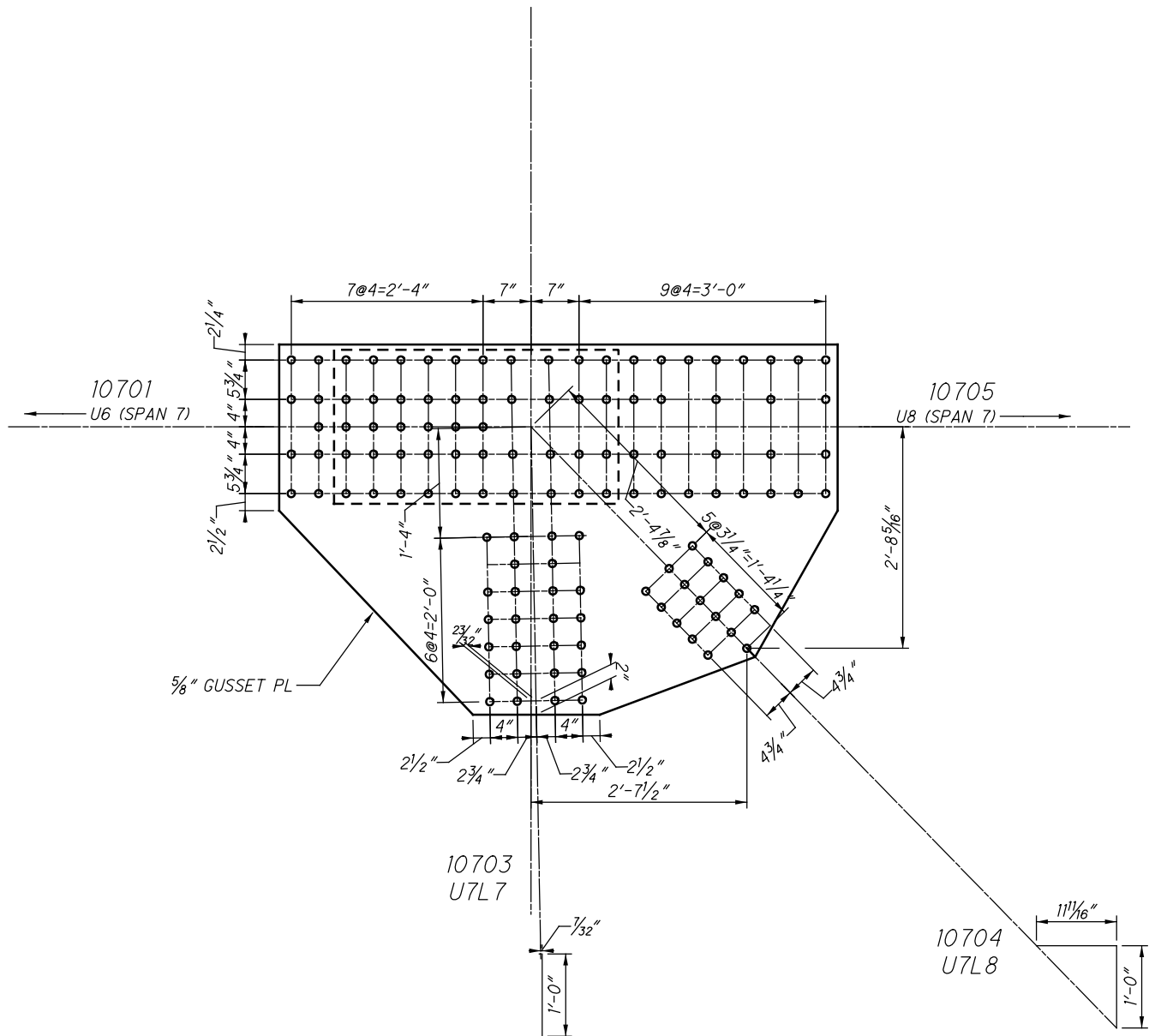
**U69 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



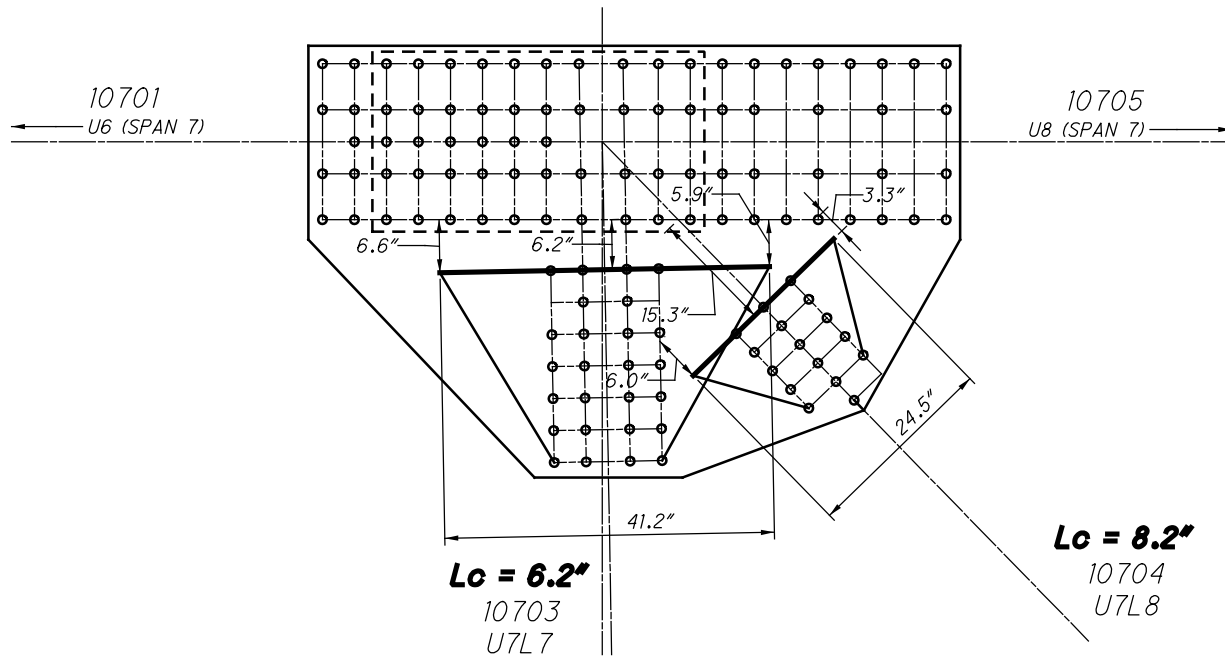
**U69 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



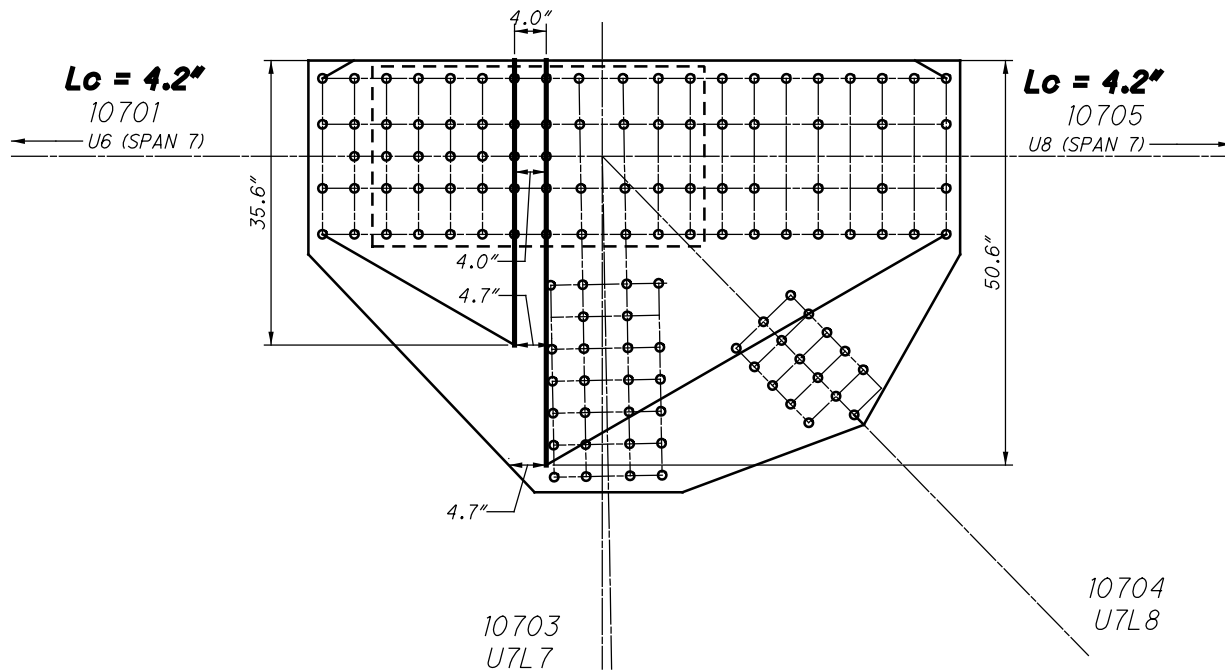
**U69 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



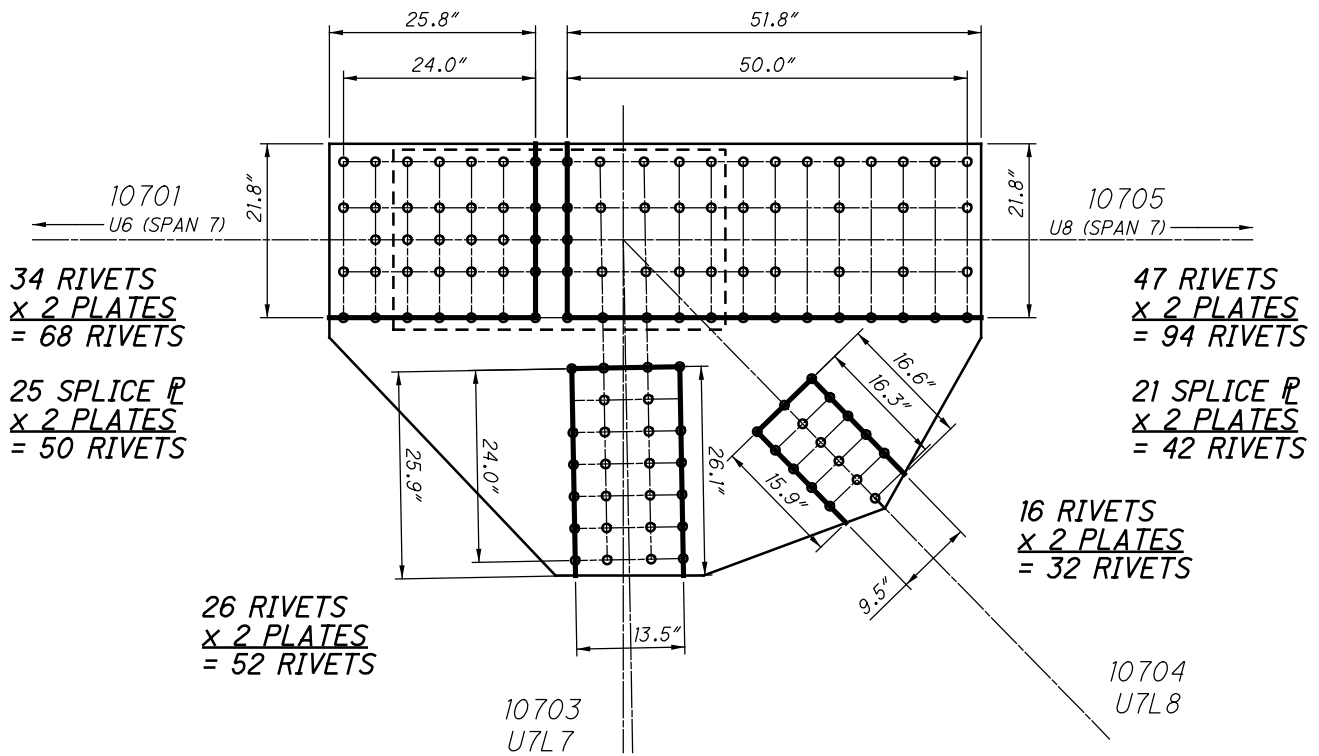
U70 INSIDE (SPAN 12)



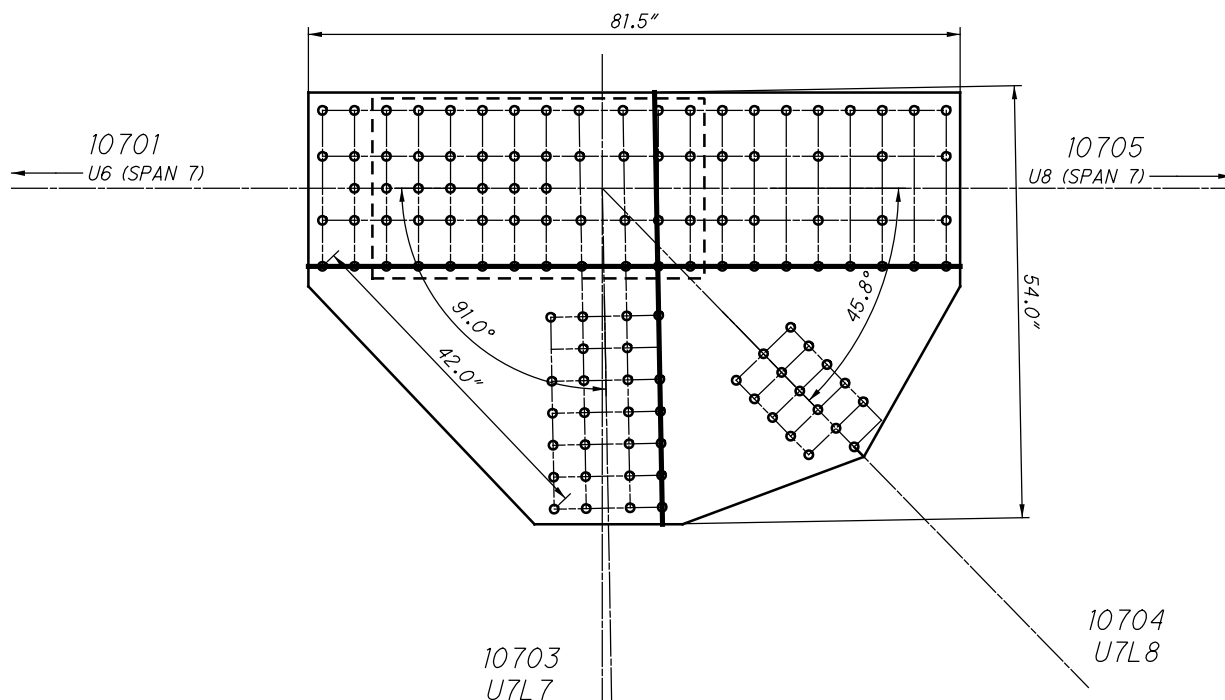
**U70 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



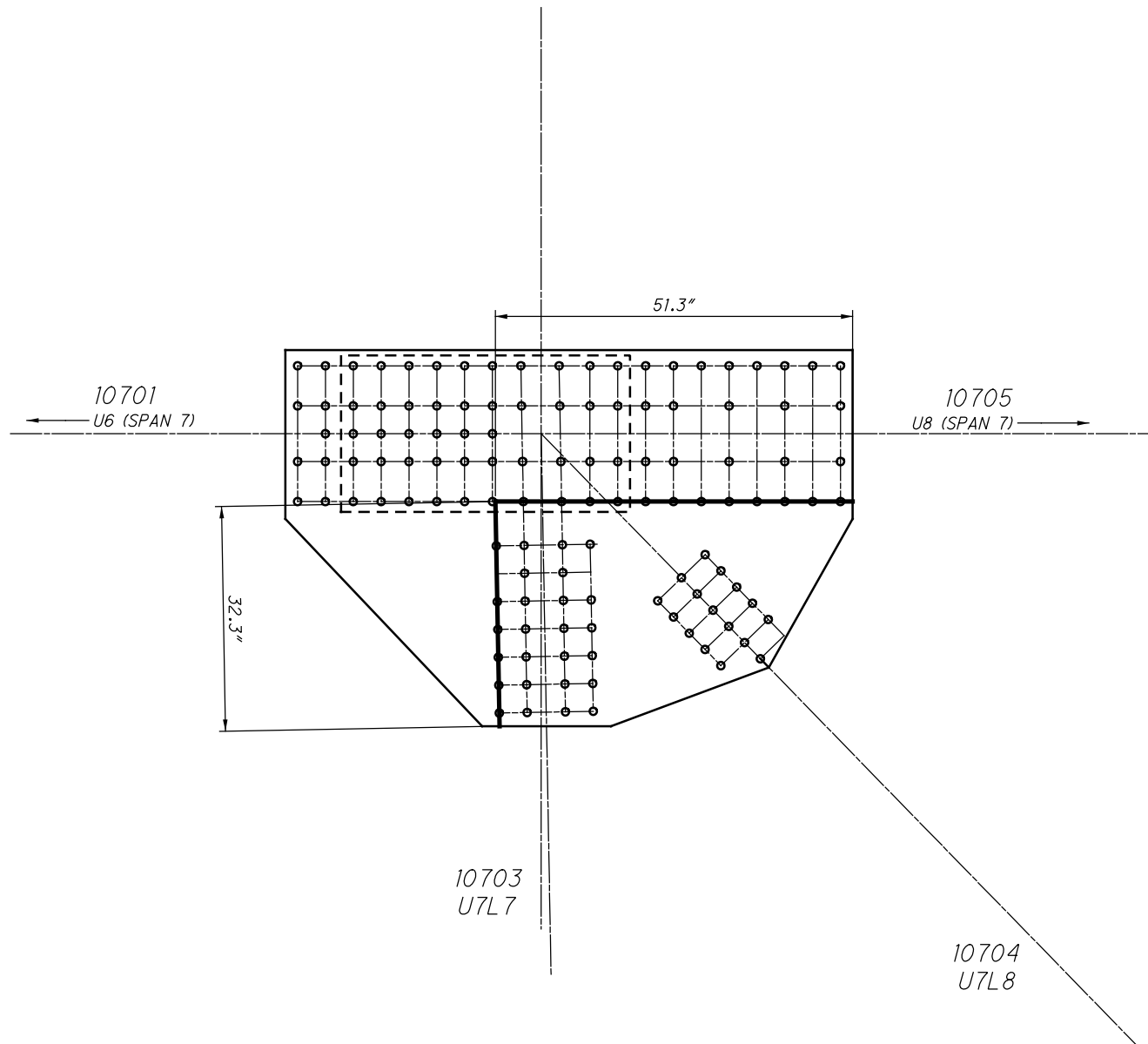
**U70 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



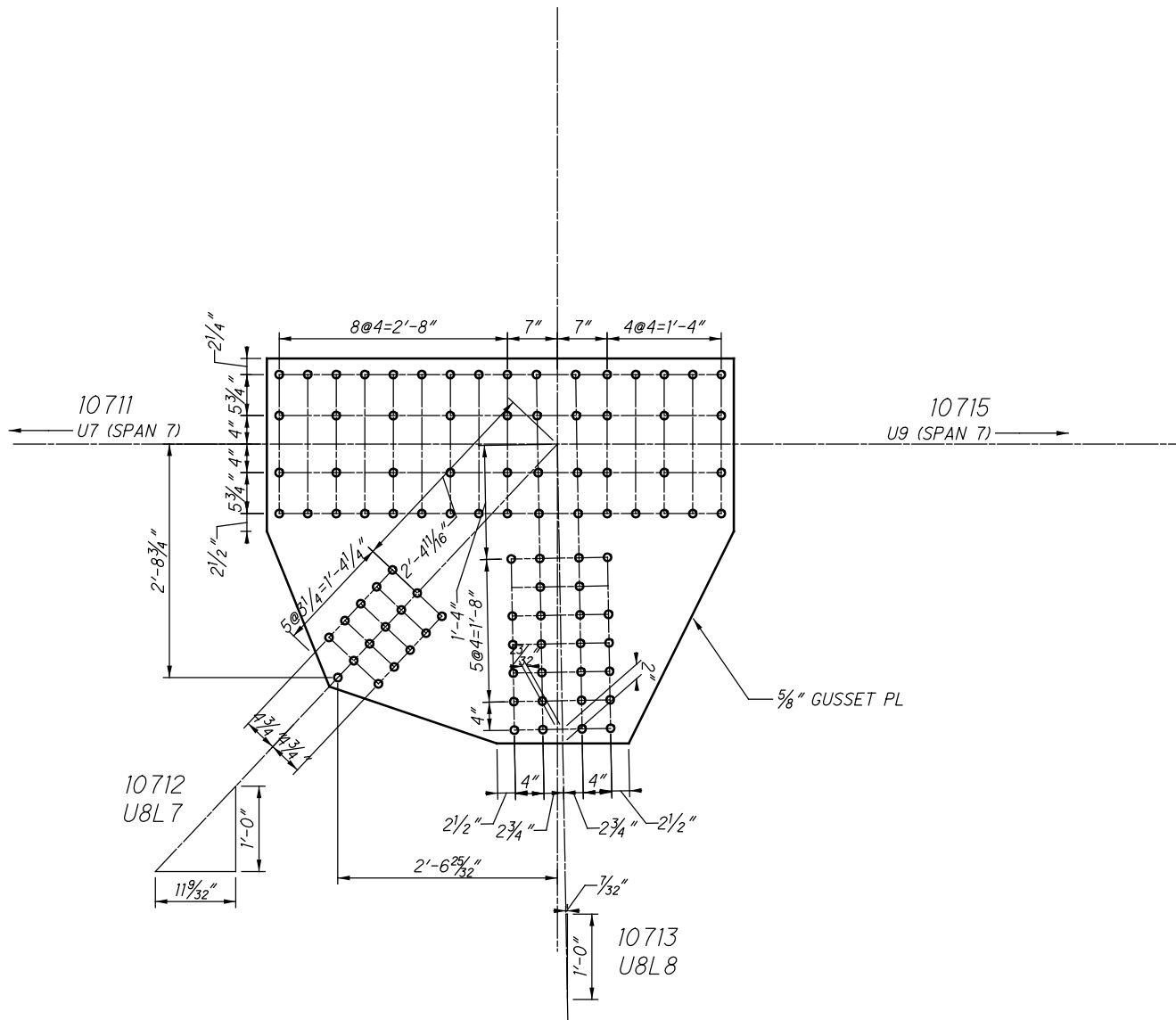
**U70 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



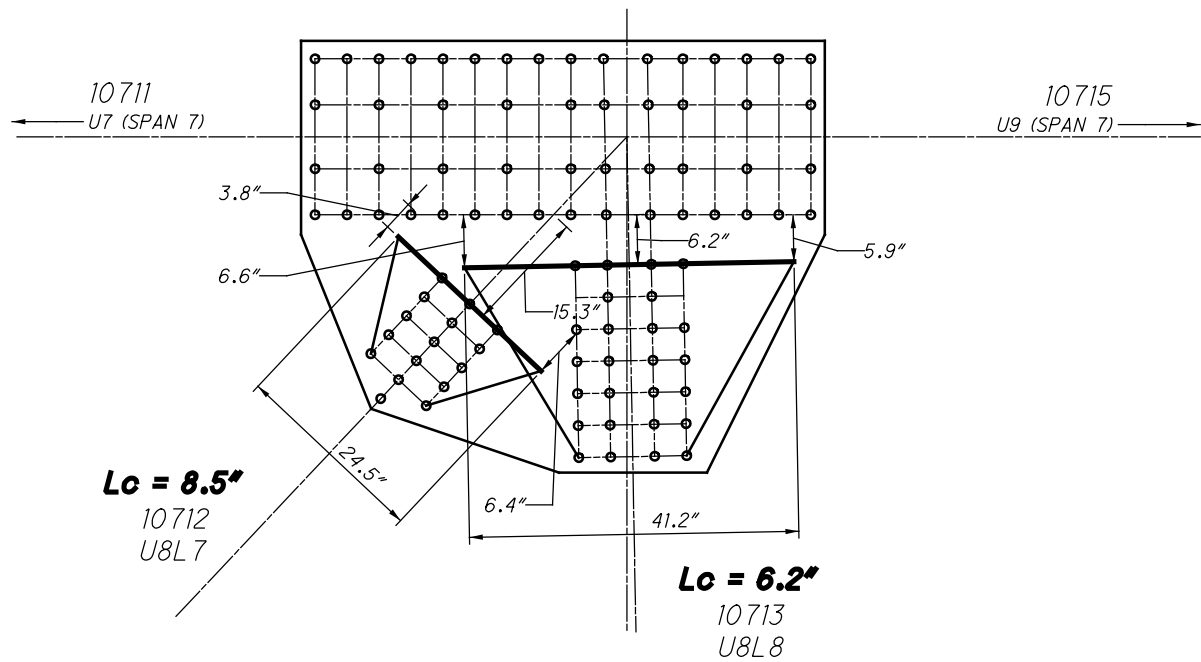
**U70 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



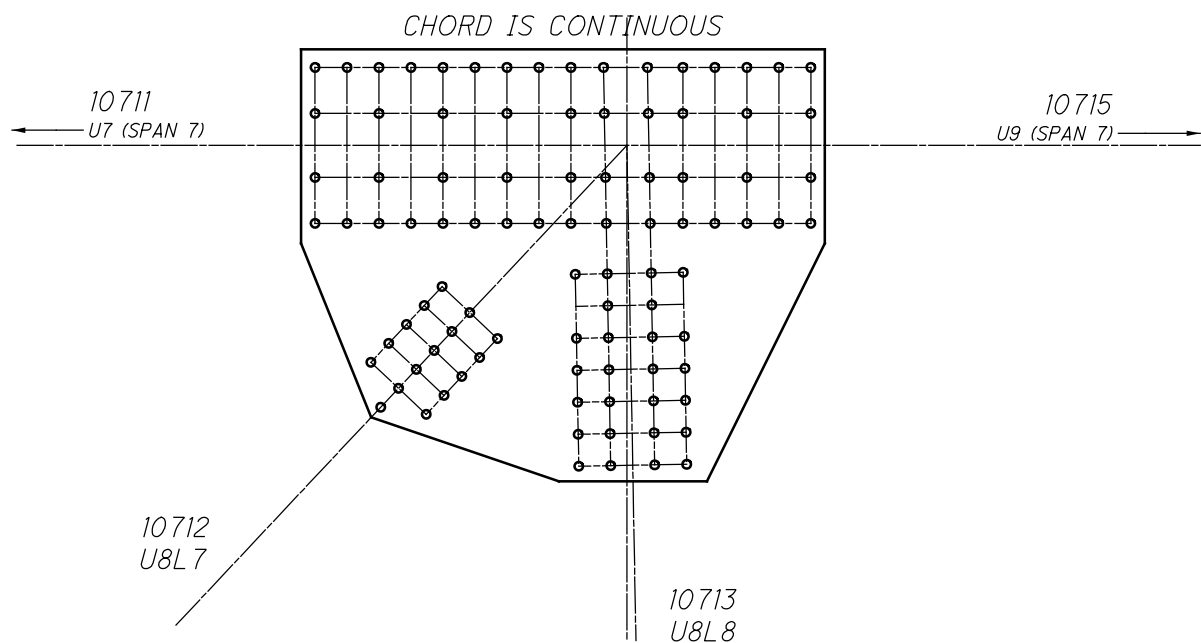
**U70 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



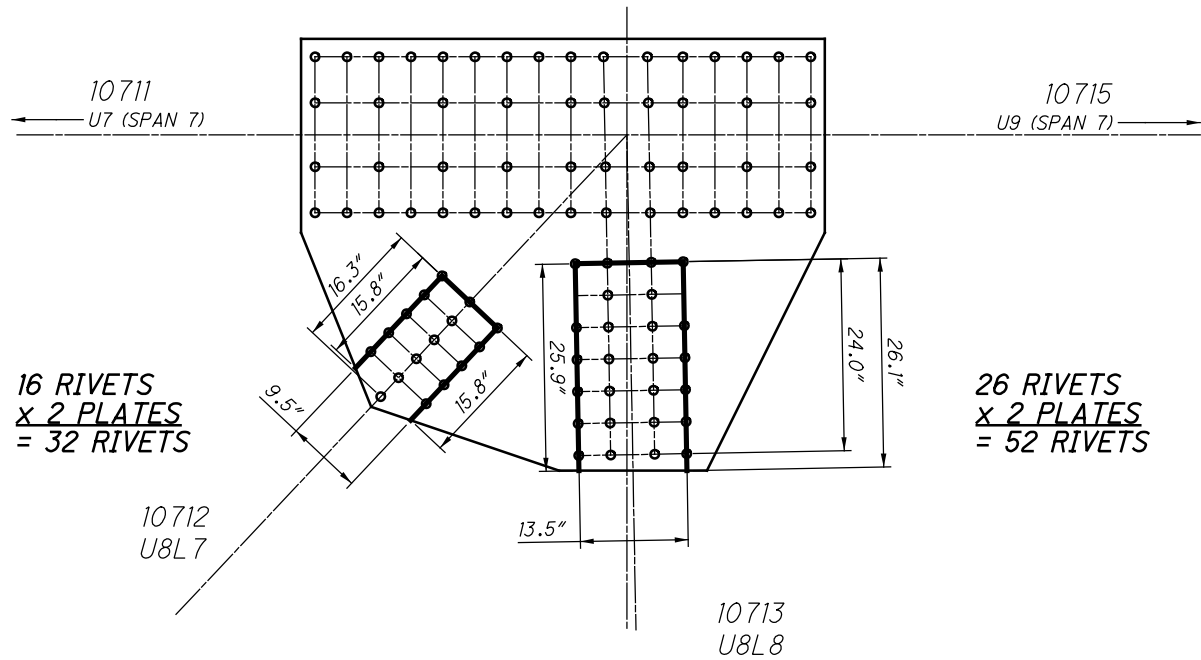
U71 INSIDE (SPAN 12)



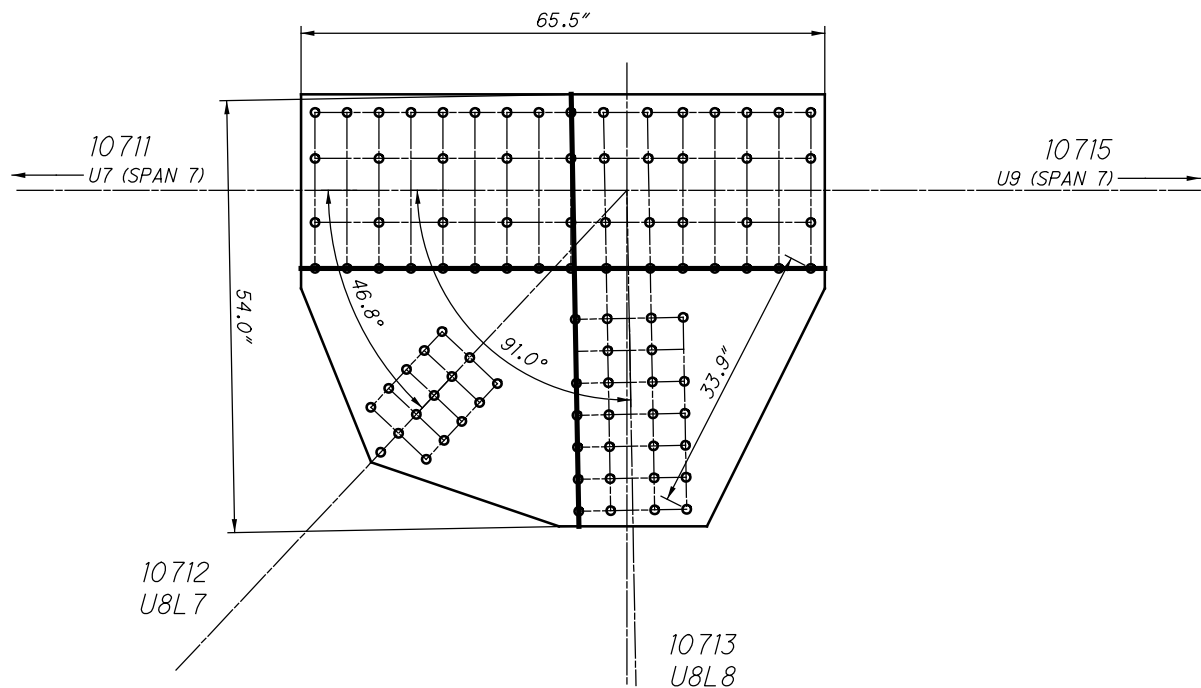
**U71 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



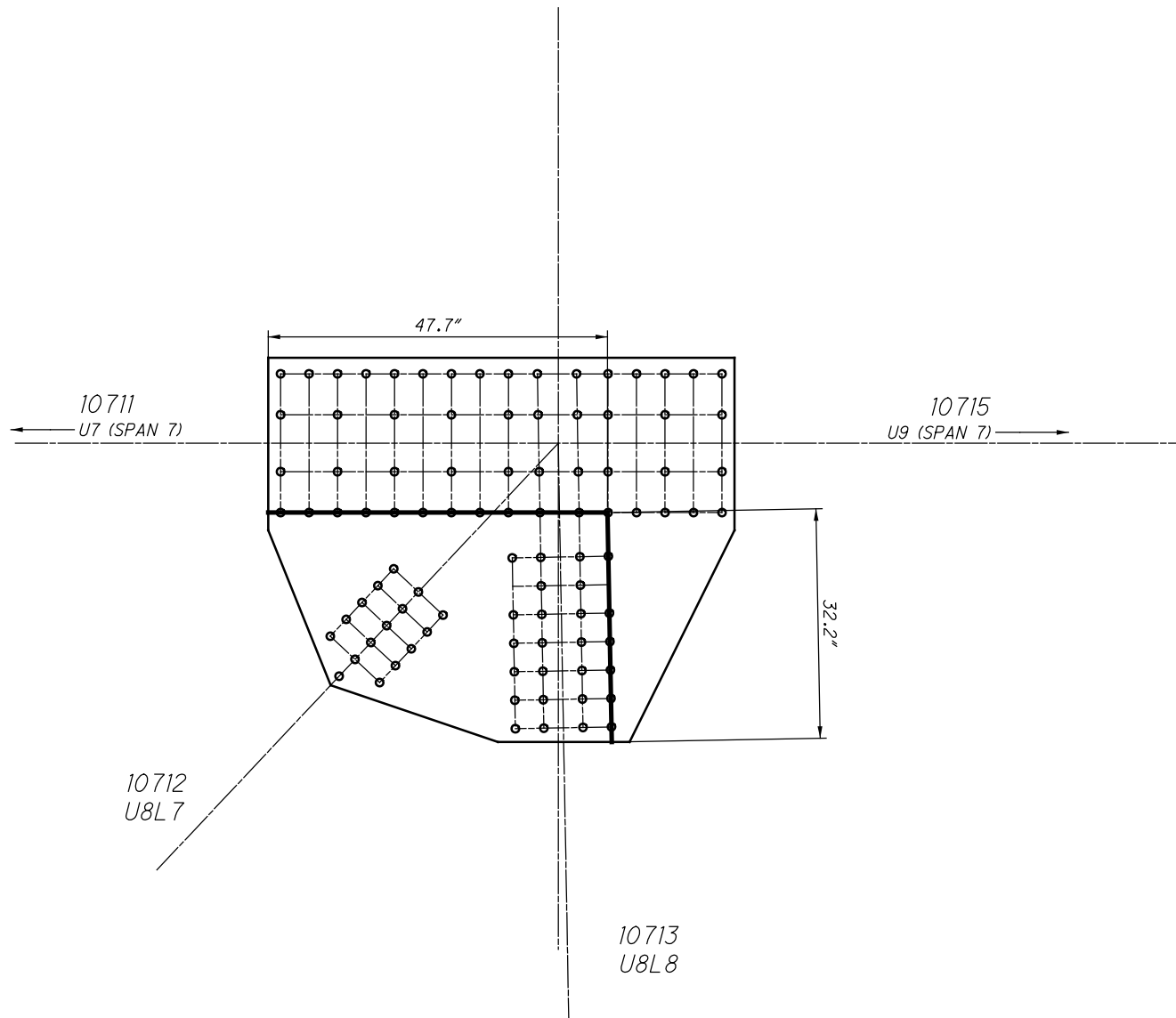
**U71 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



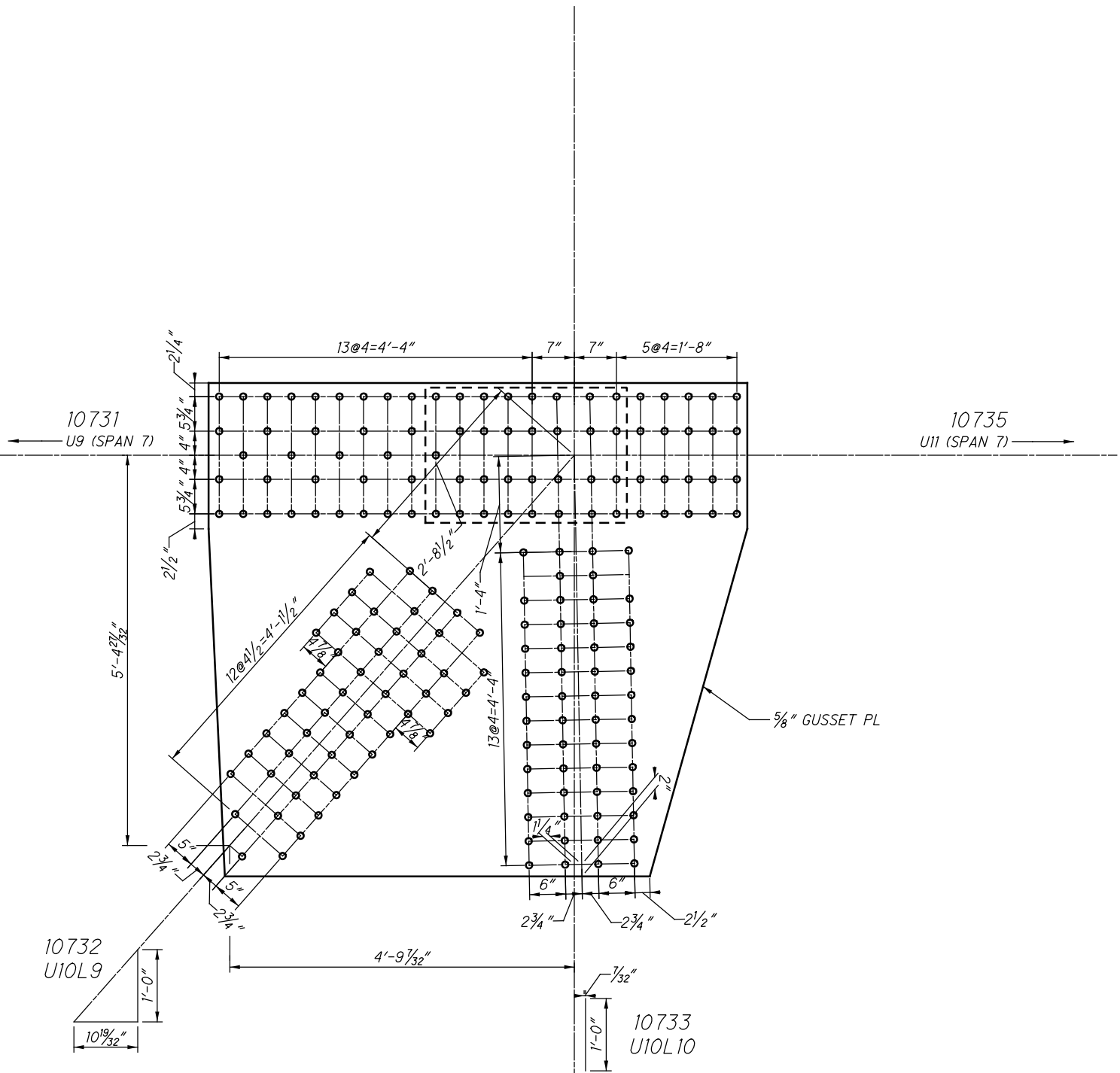
**U71 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U71 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

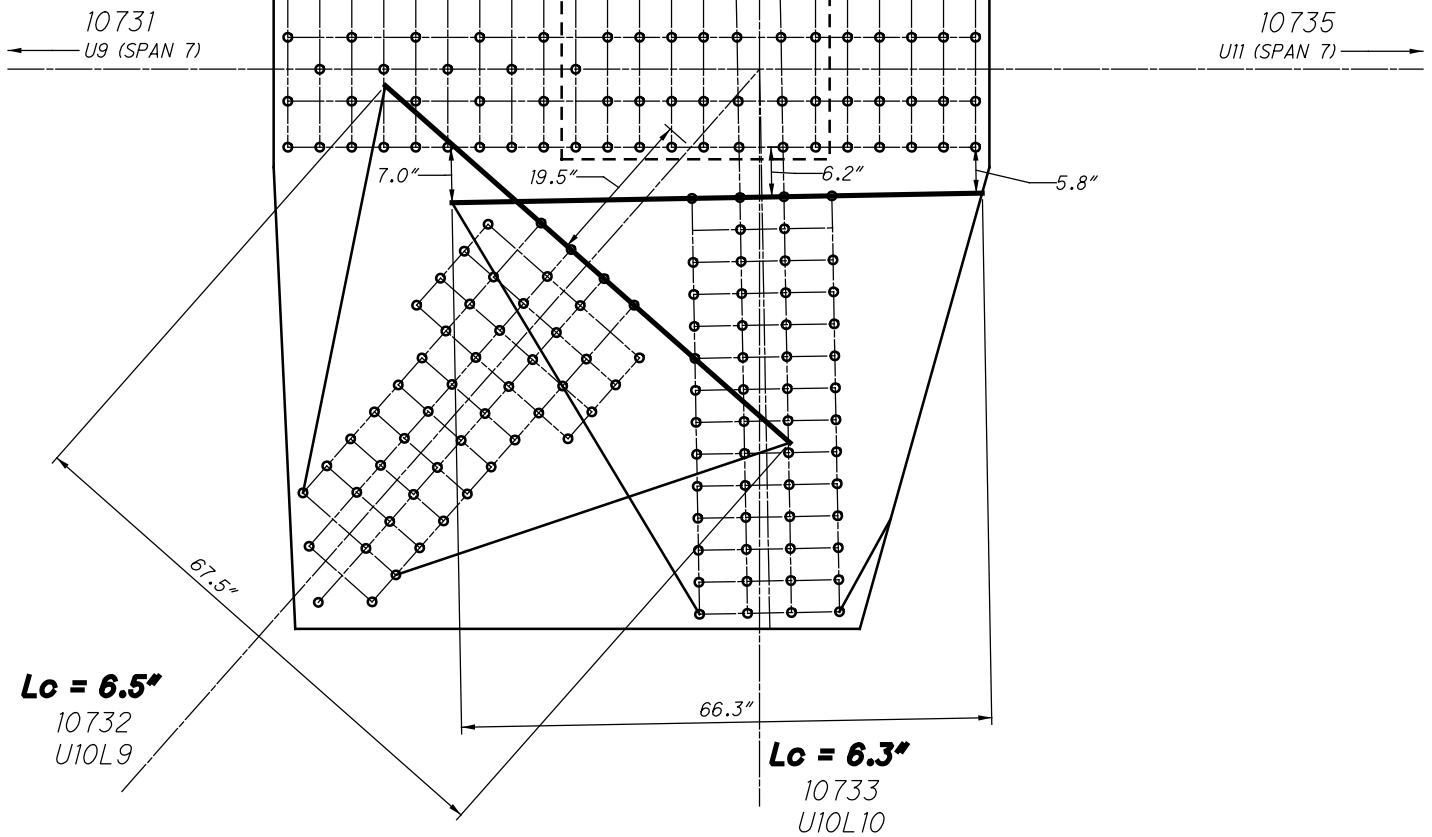


**U7I INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

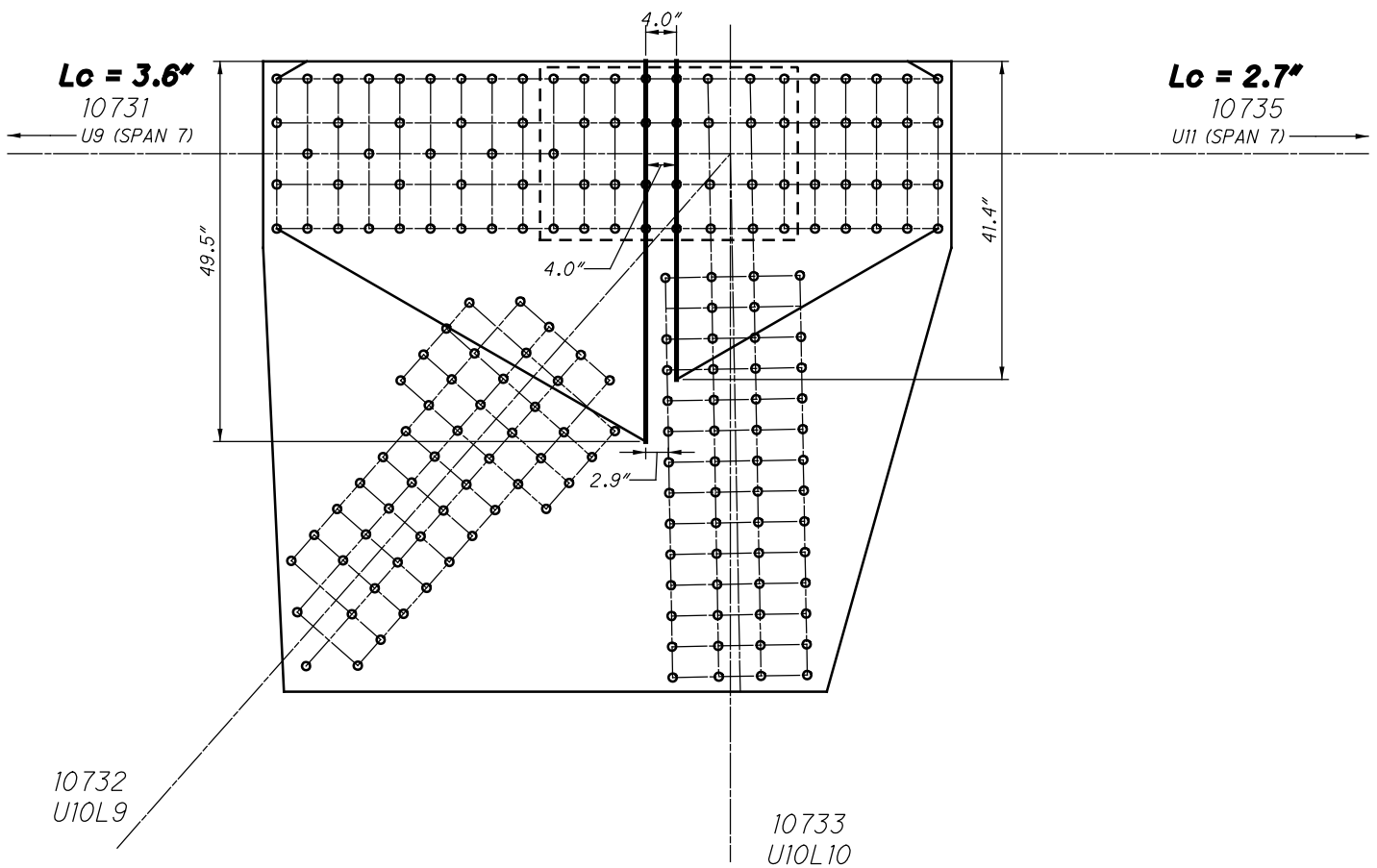


U73 INSIDE (SPAN 12)

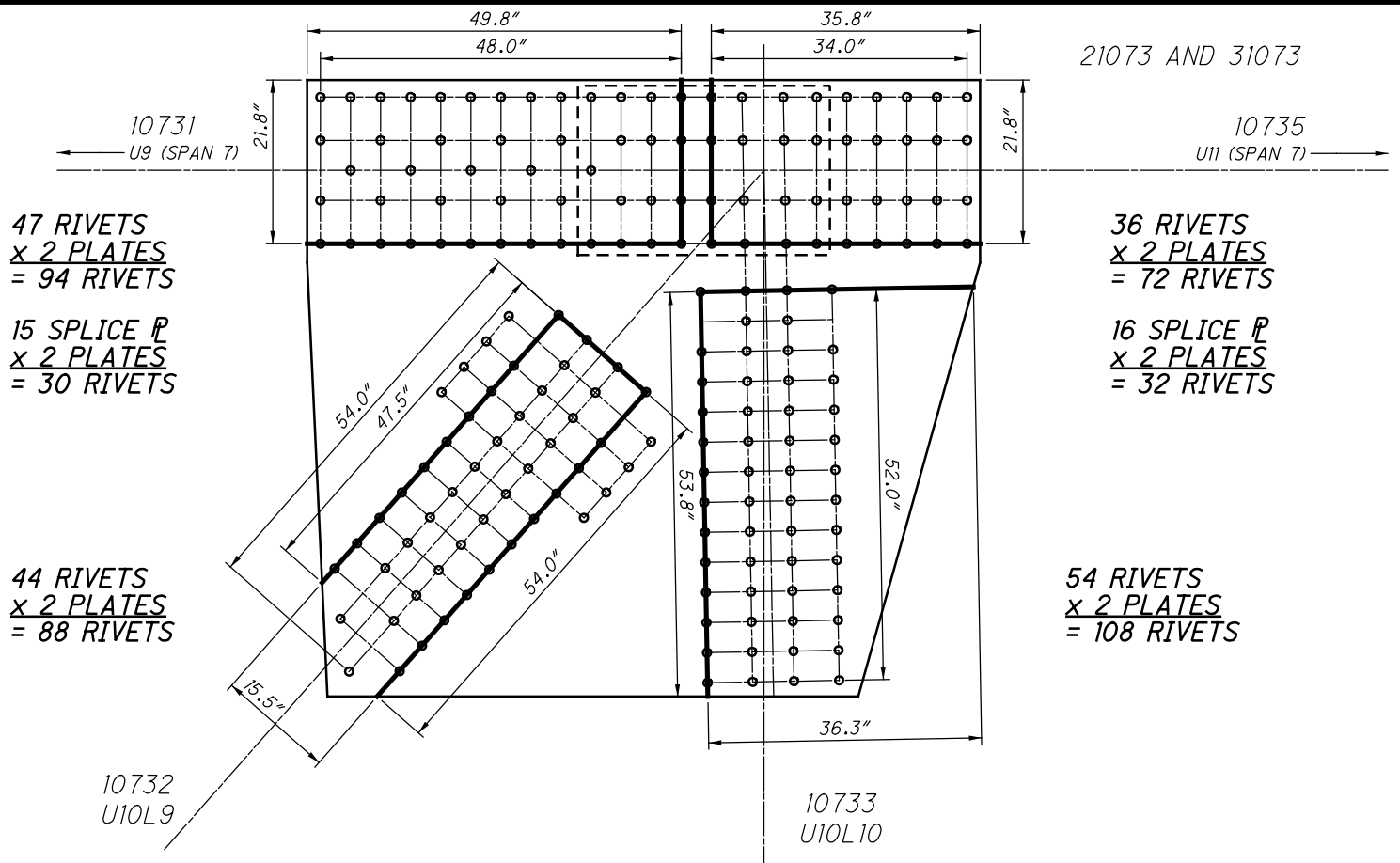
21073 AND 31073



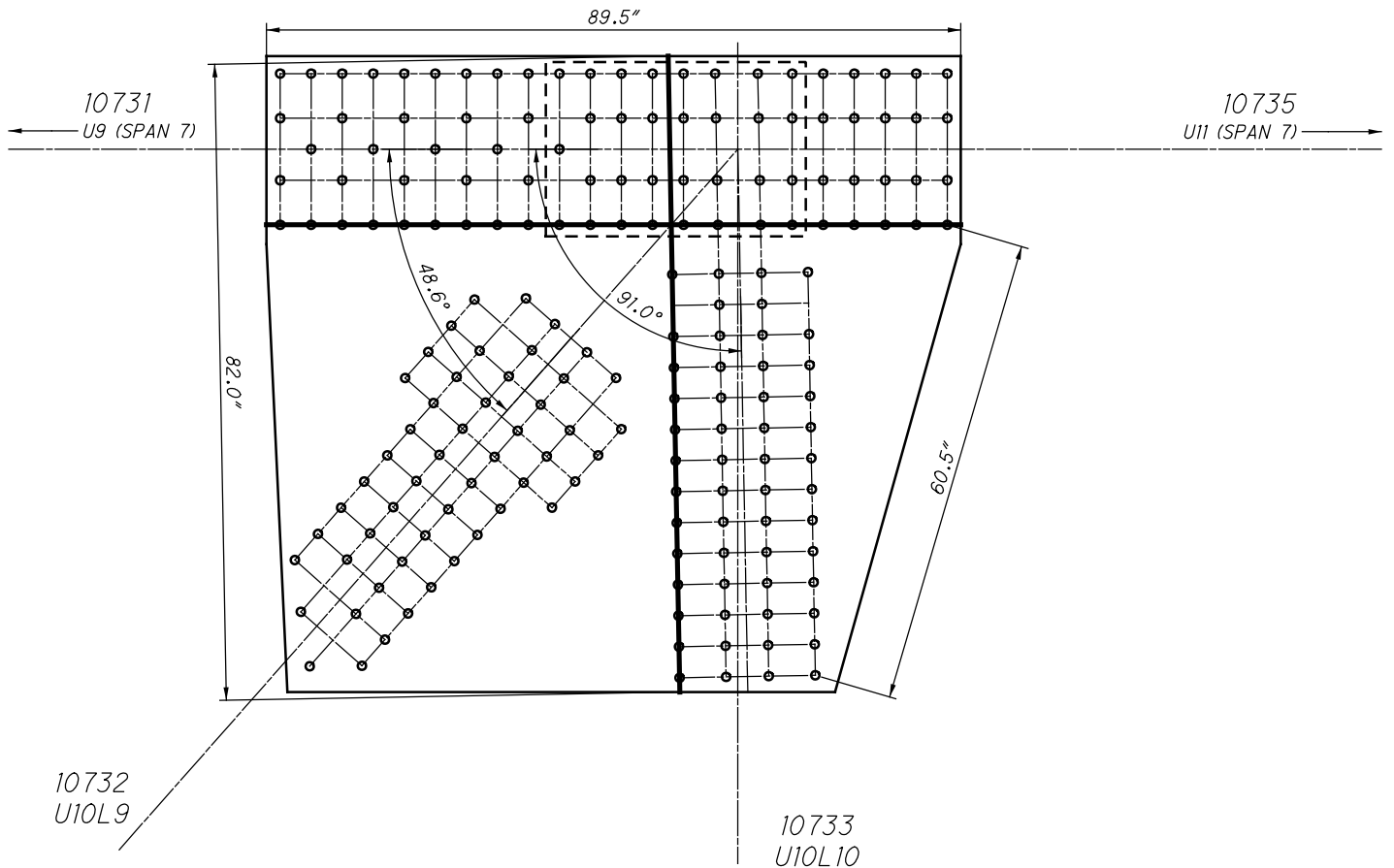
**U73 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



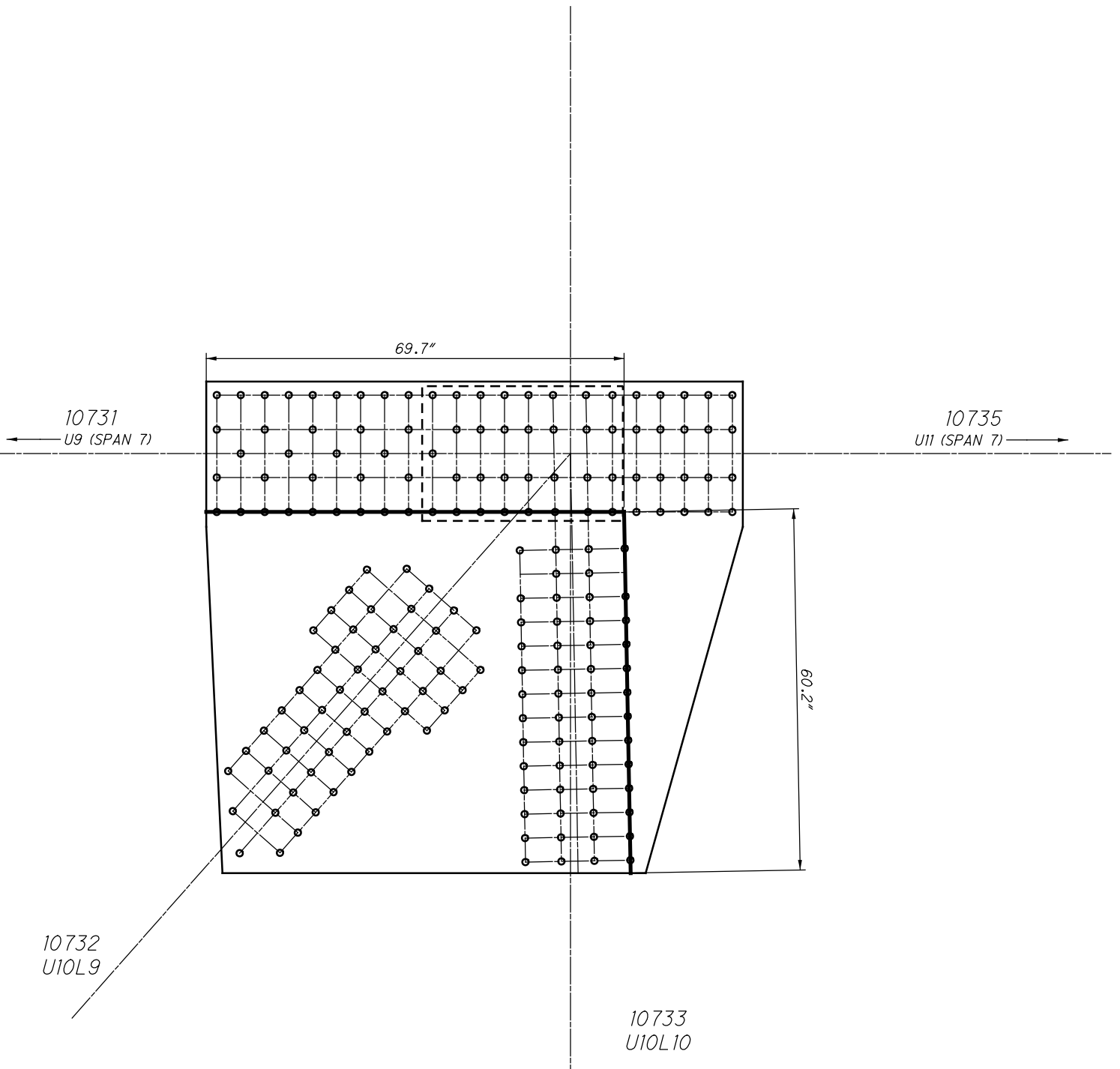
**U73 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



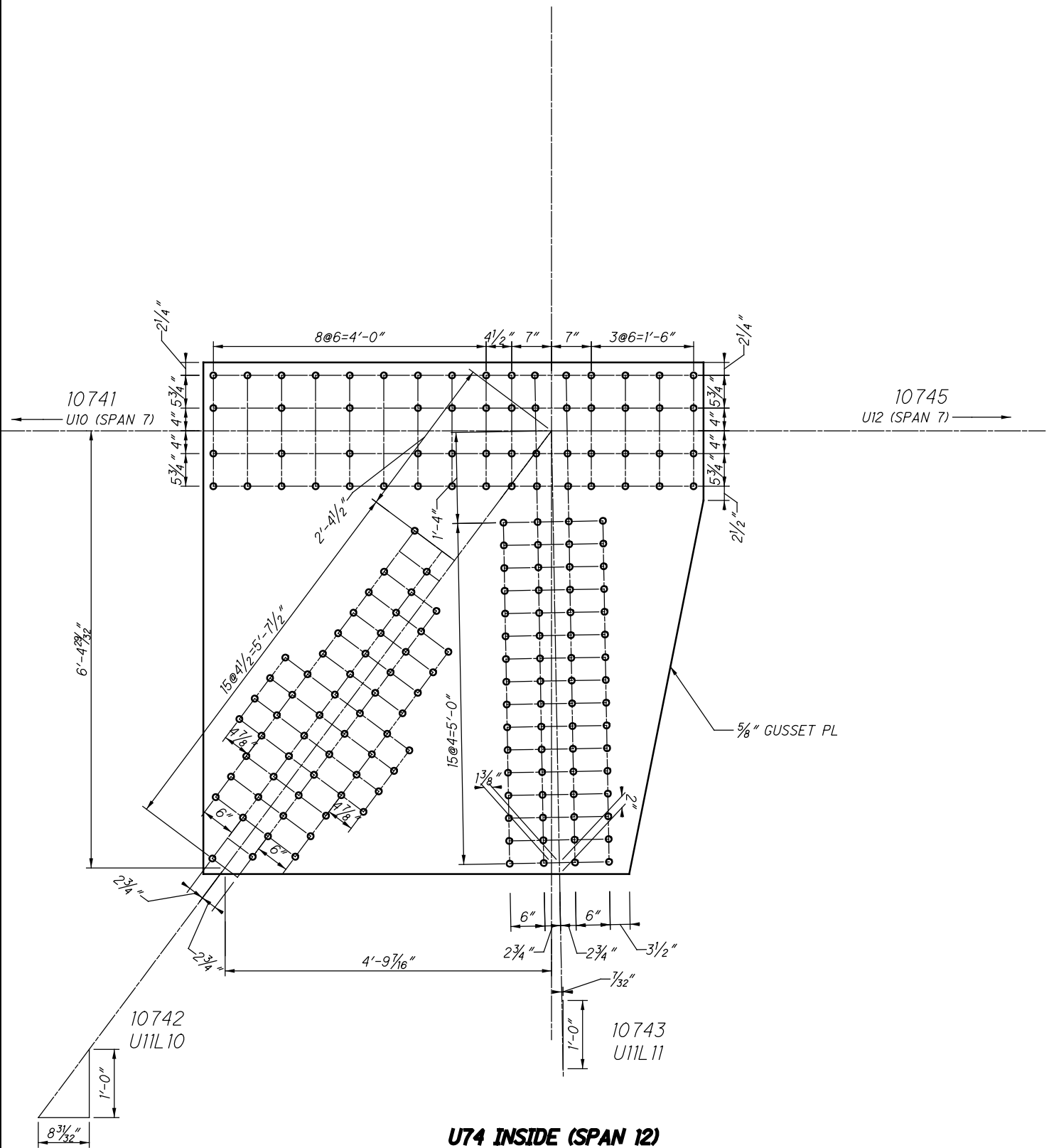
**U73 INSIDE (SPAN 12)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**



**U73 INSIDE (SPAN 12)
 SHEAR AND FREE EDGE CHECK**

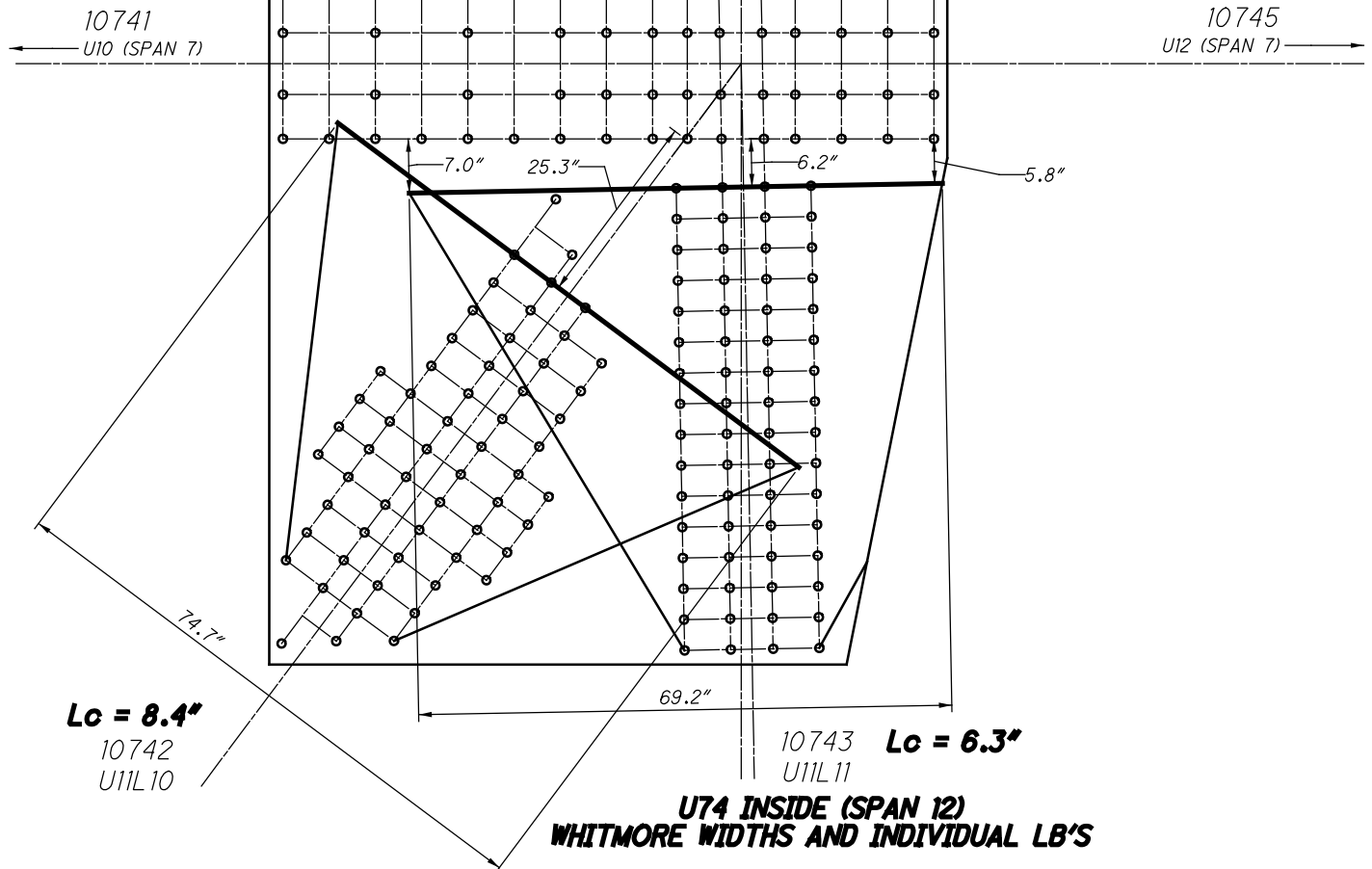


**U73 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

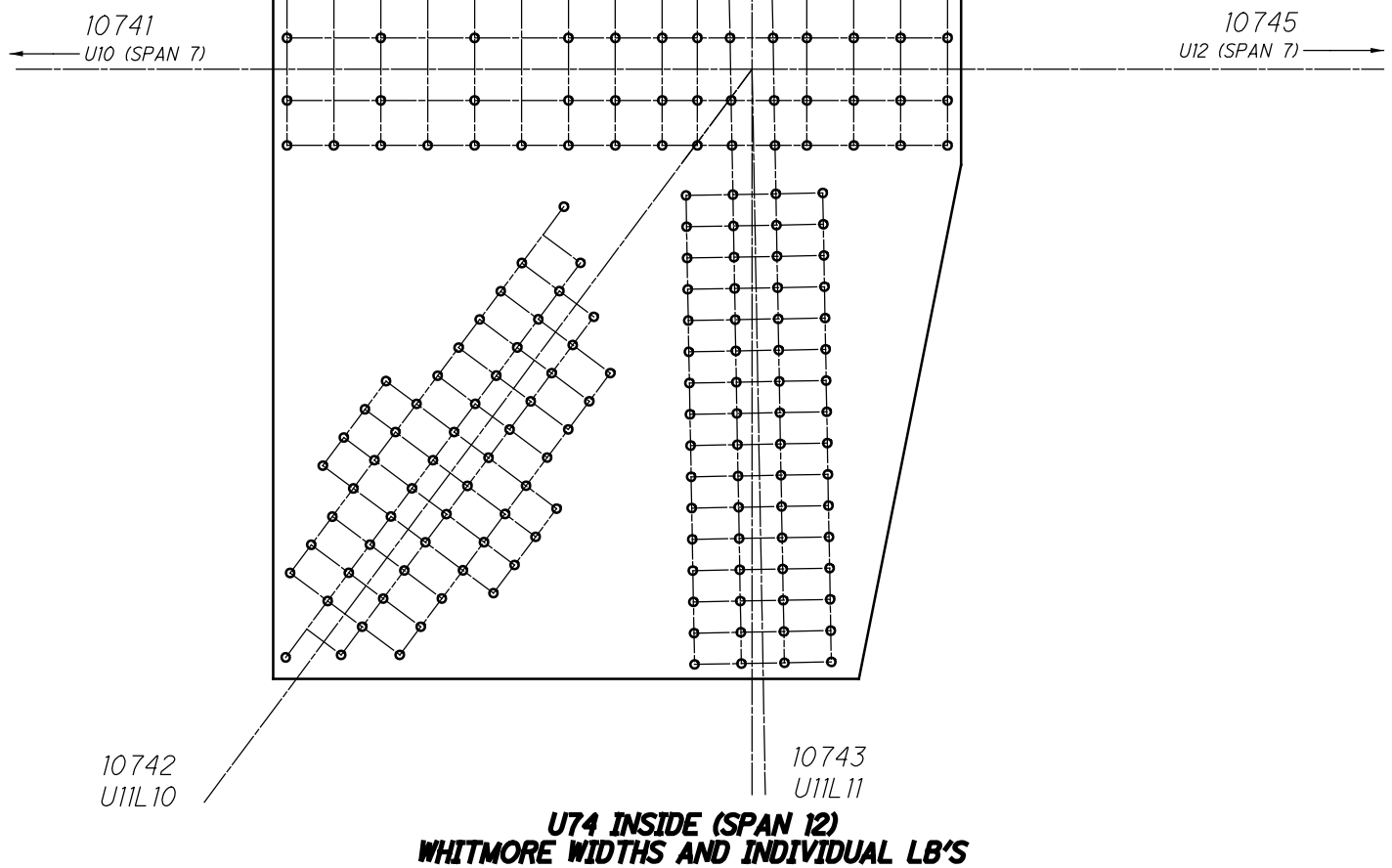


U74 INSIDE (SPAN 12)

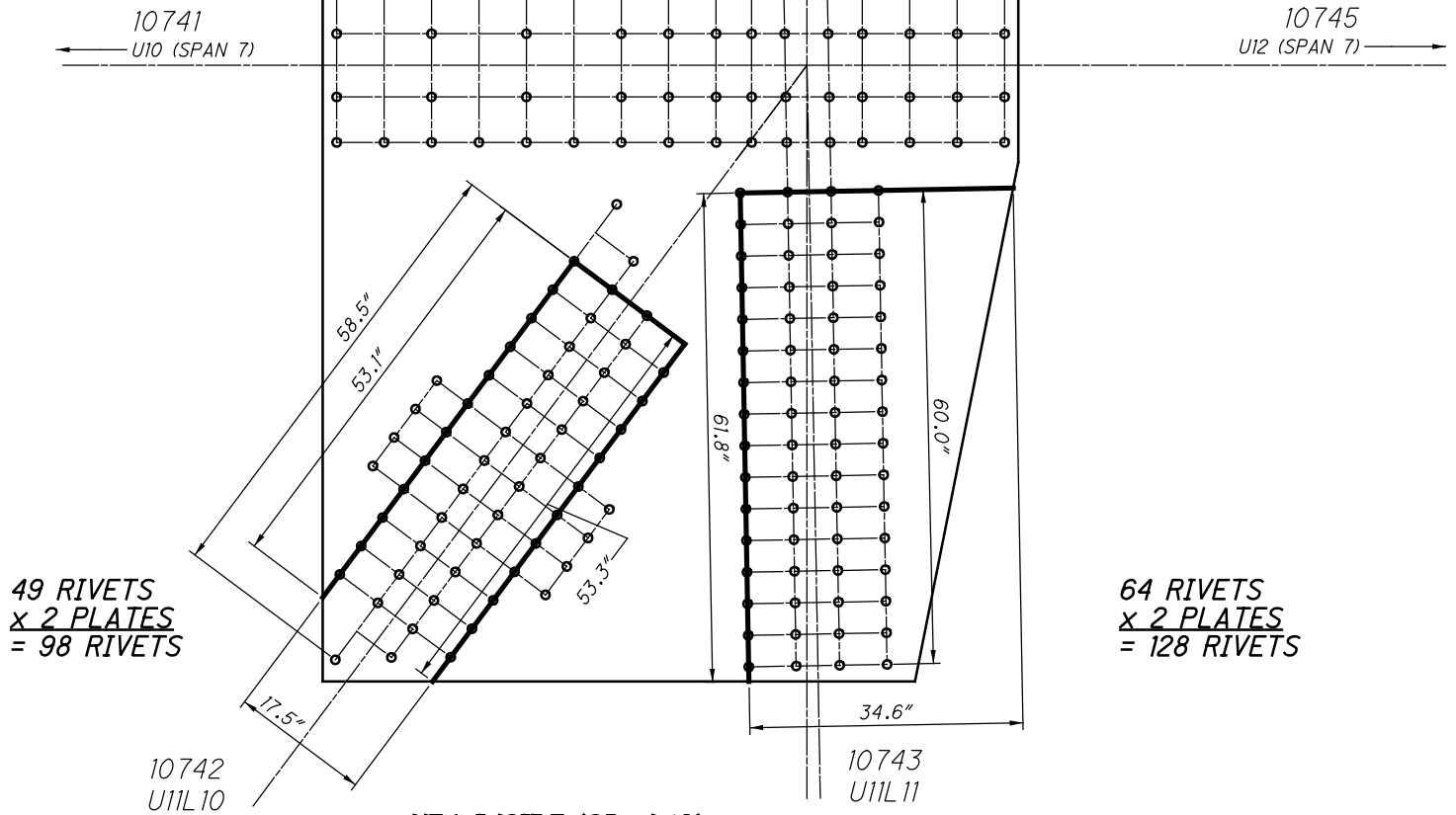
21074 AND 31074



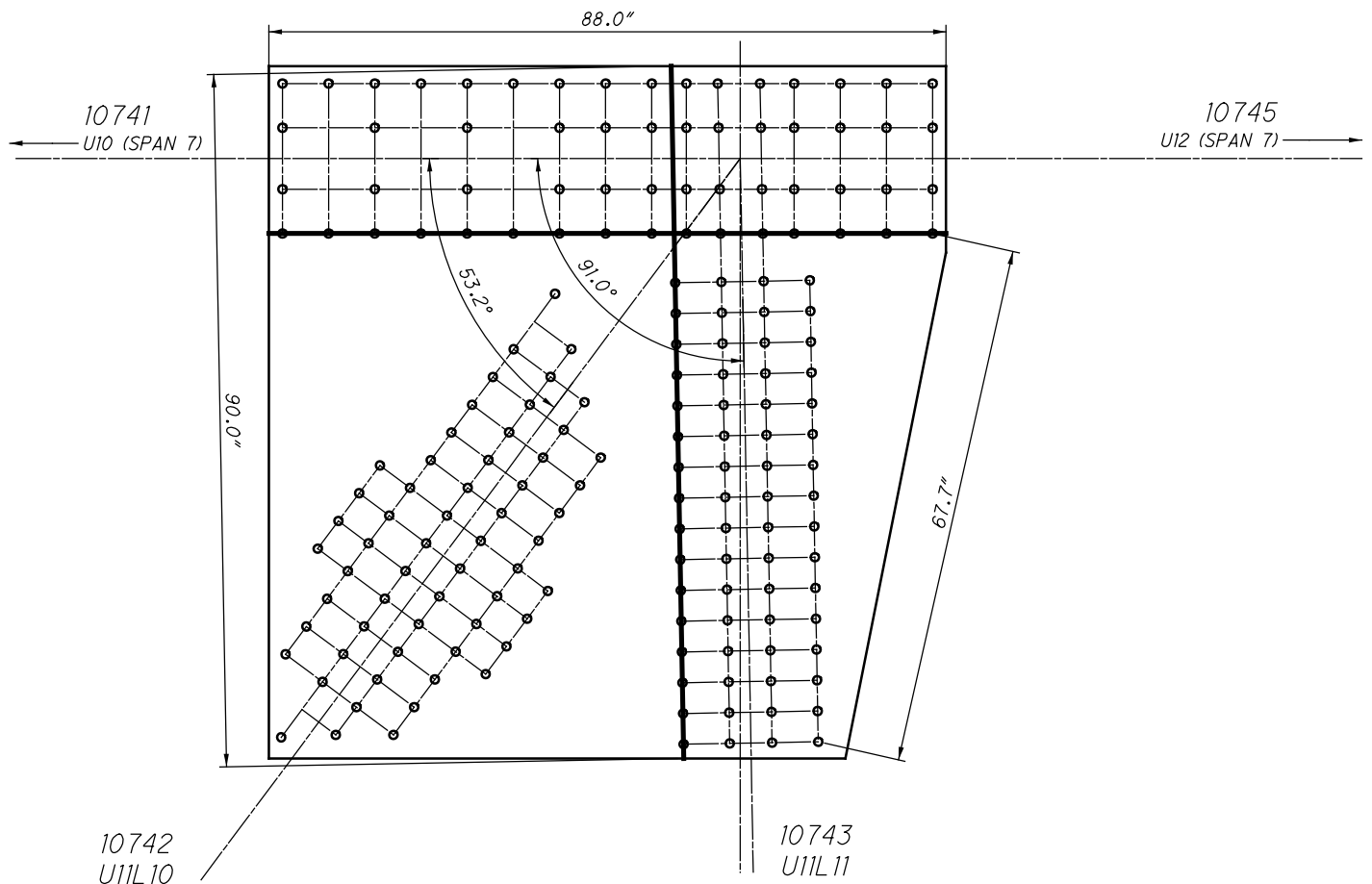
CHORD IS CONTINUOUS



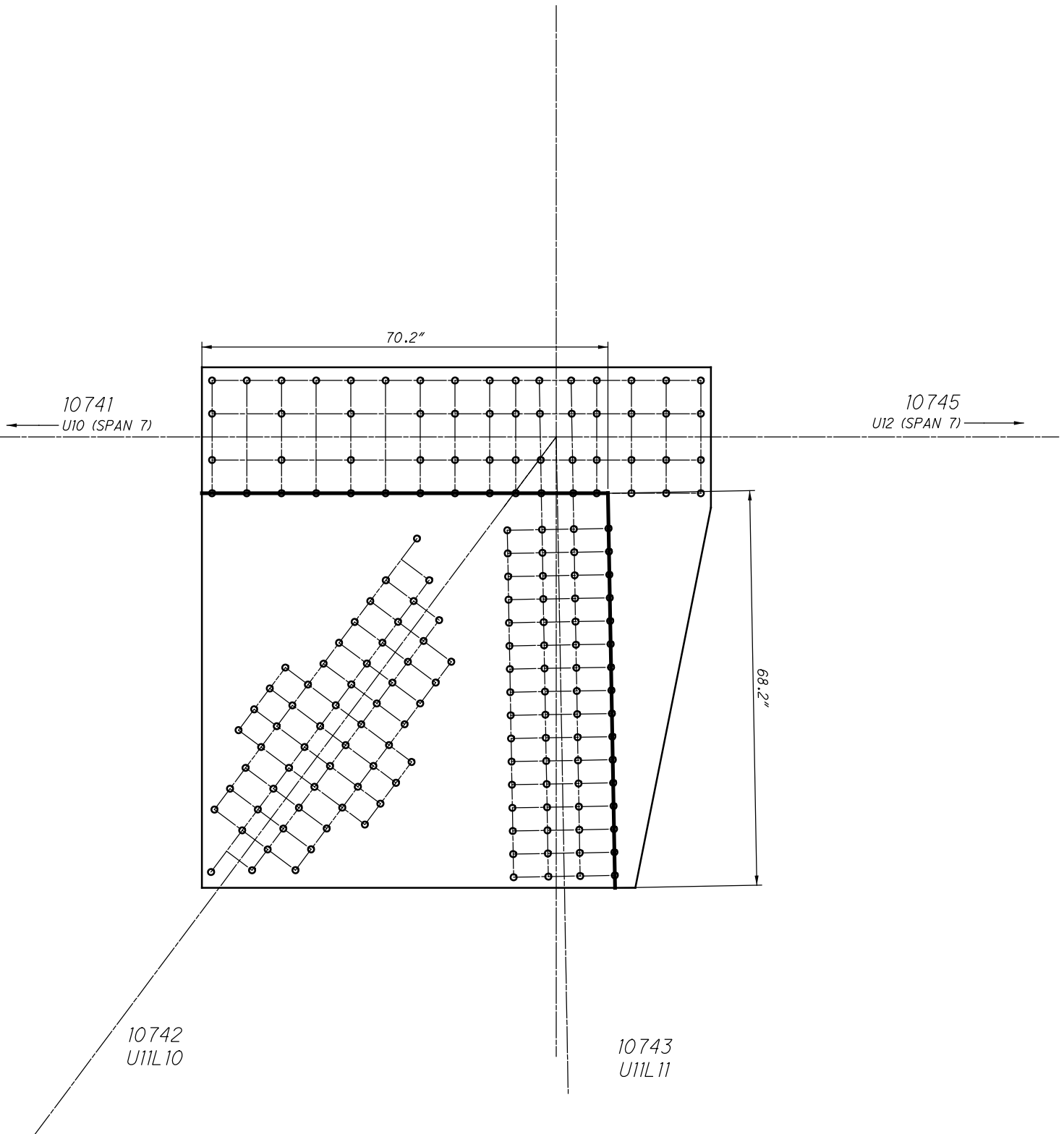
21074 AND 31074



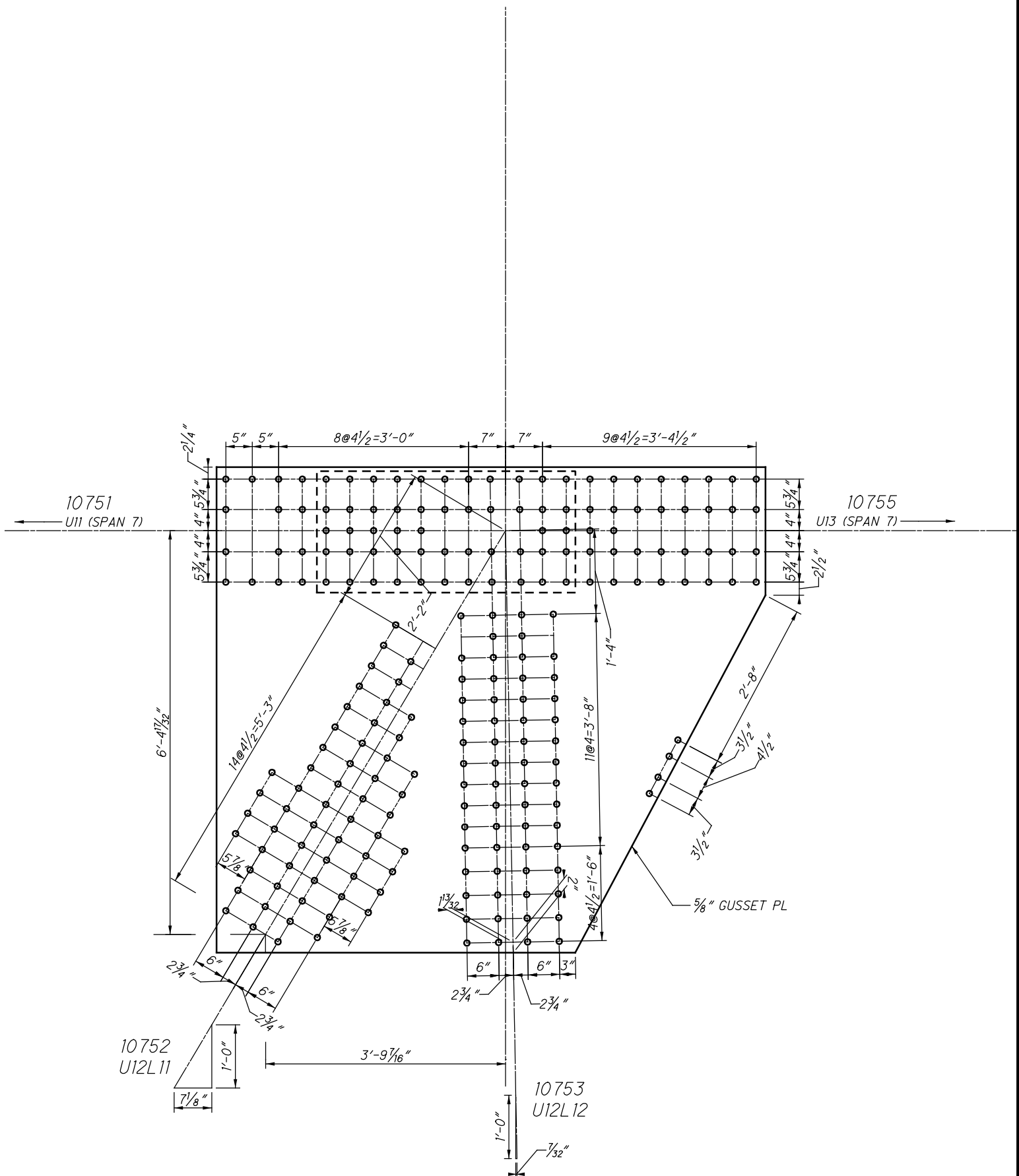
**U74 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U74 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

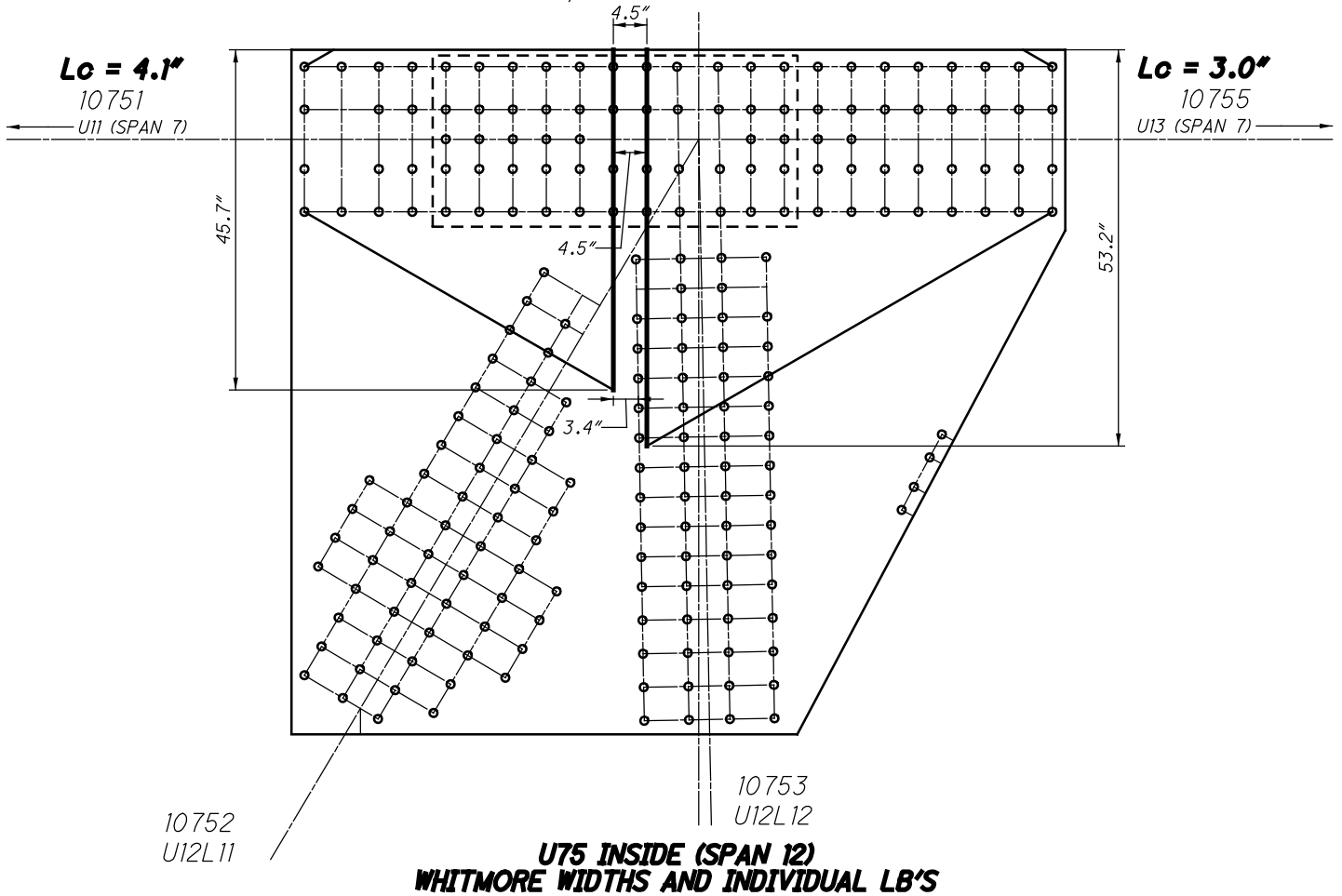
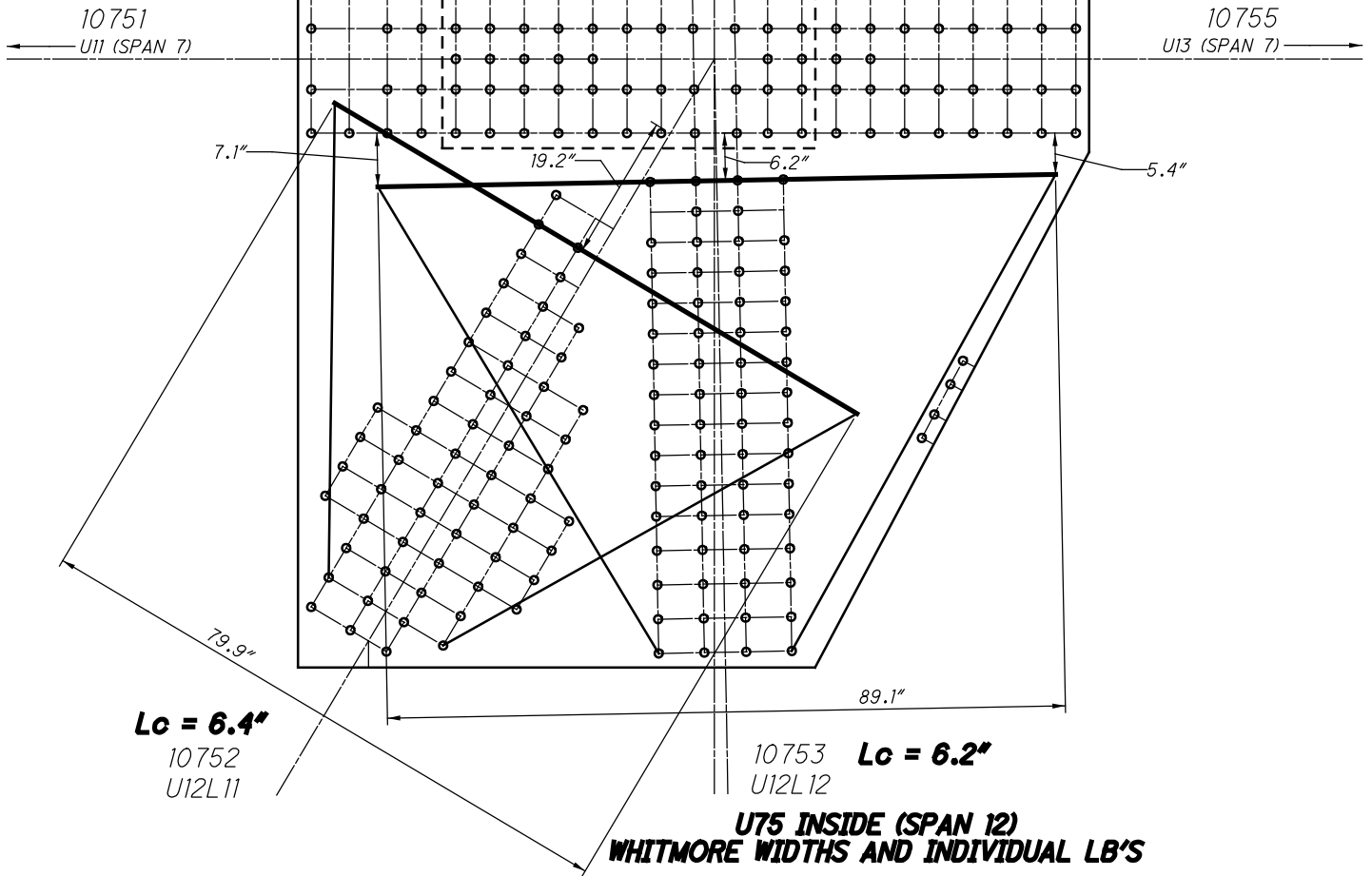


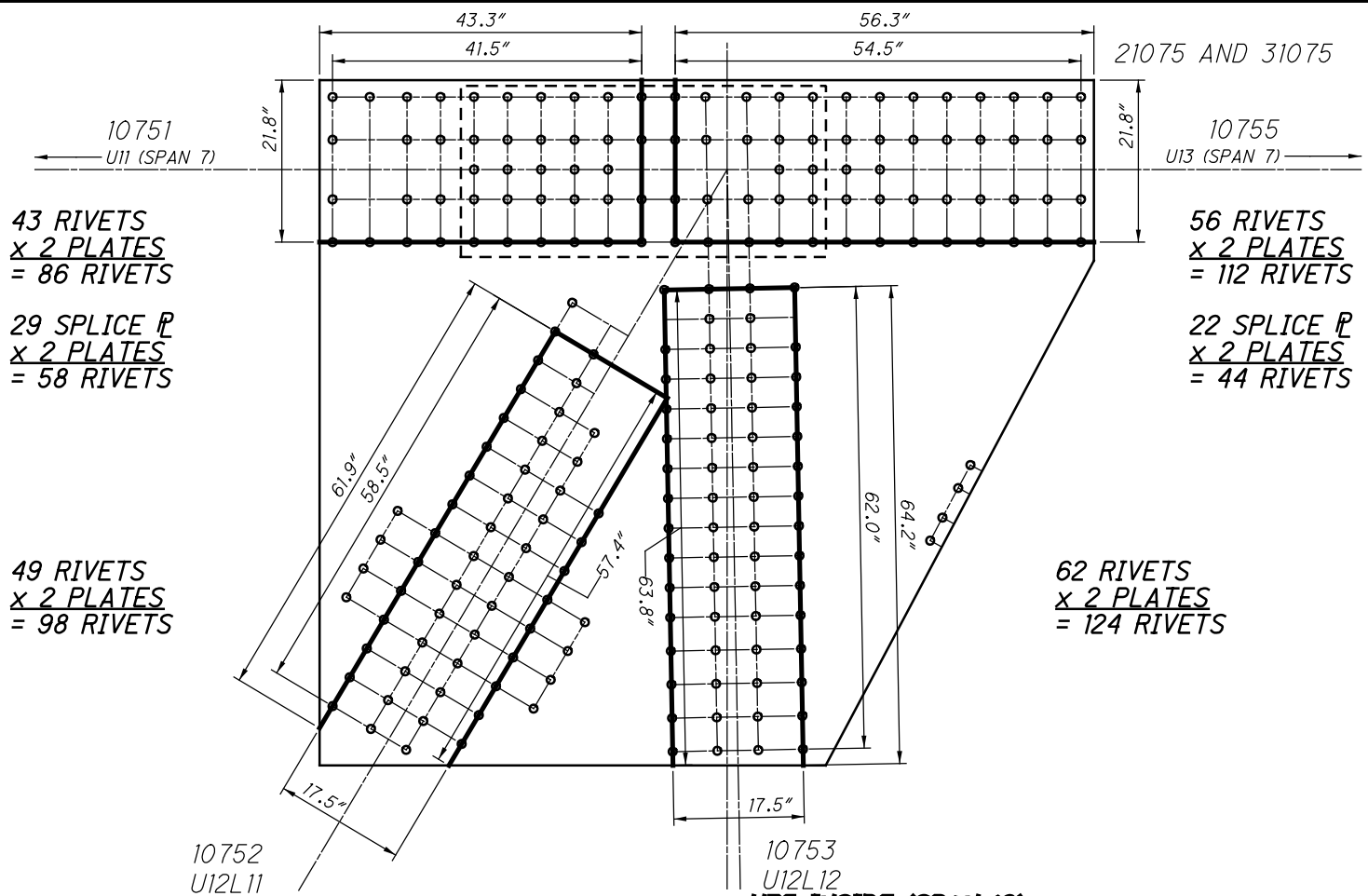
**U74 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



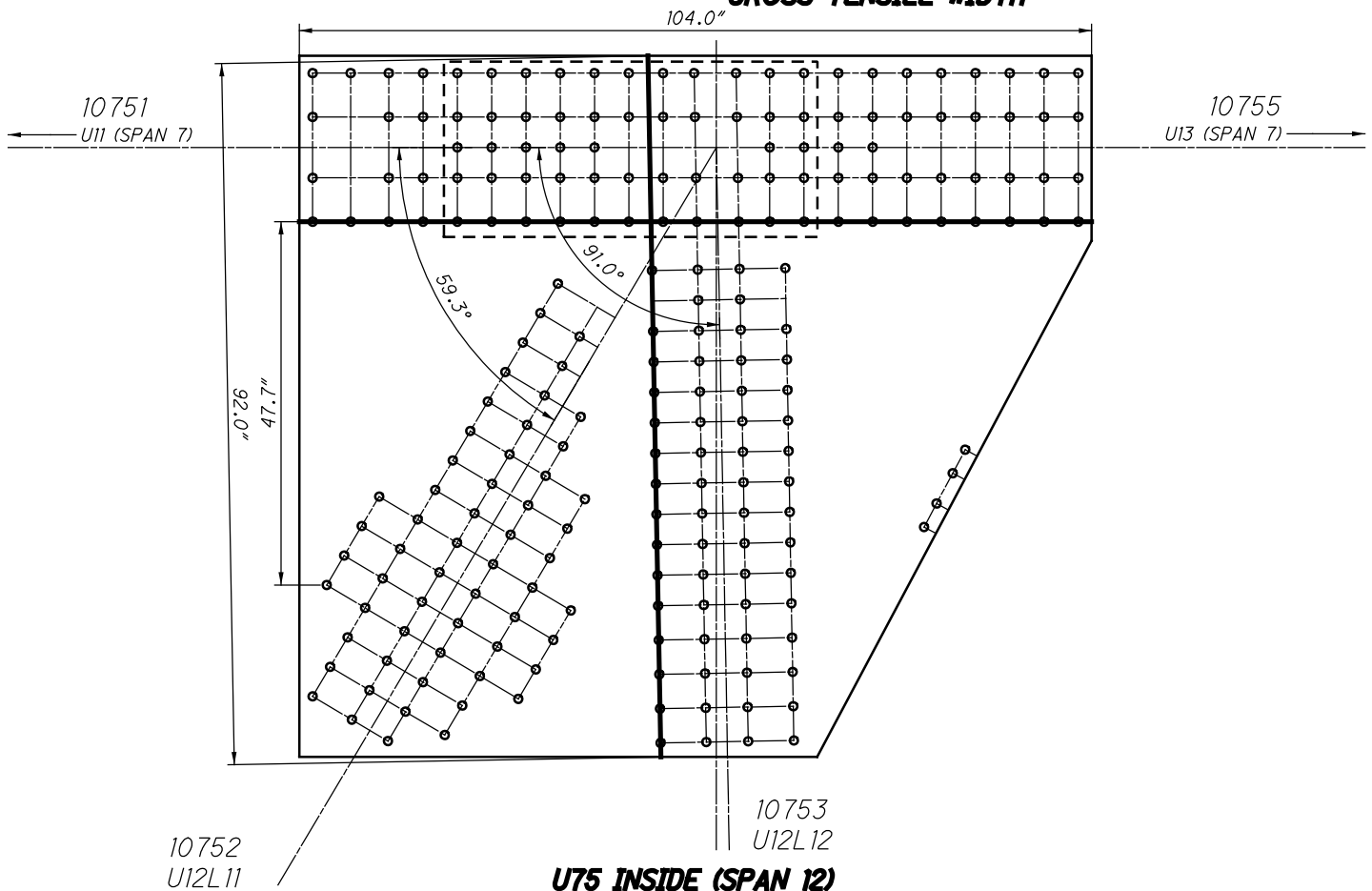
U75 INSIDE (SPAN 12)

21075 AND 31075

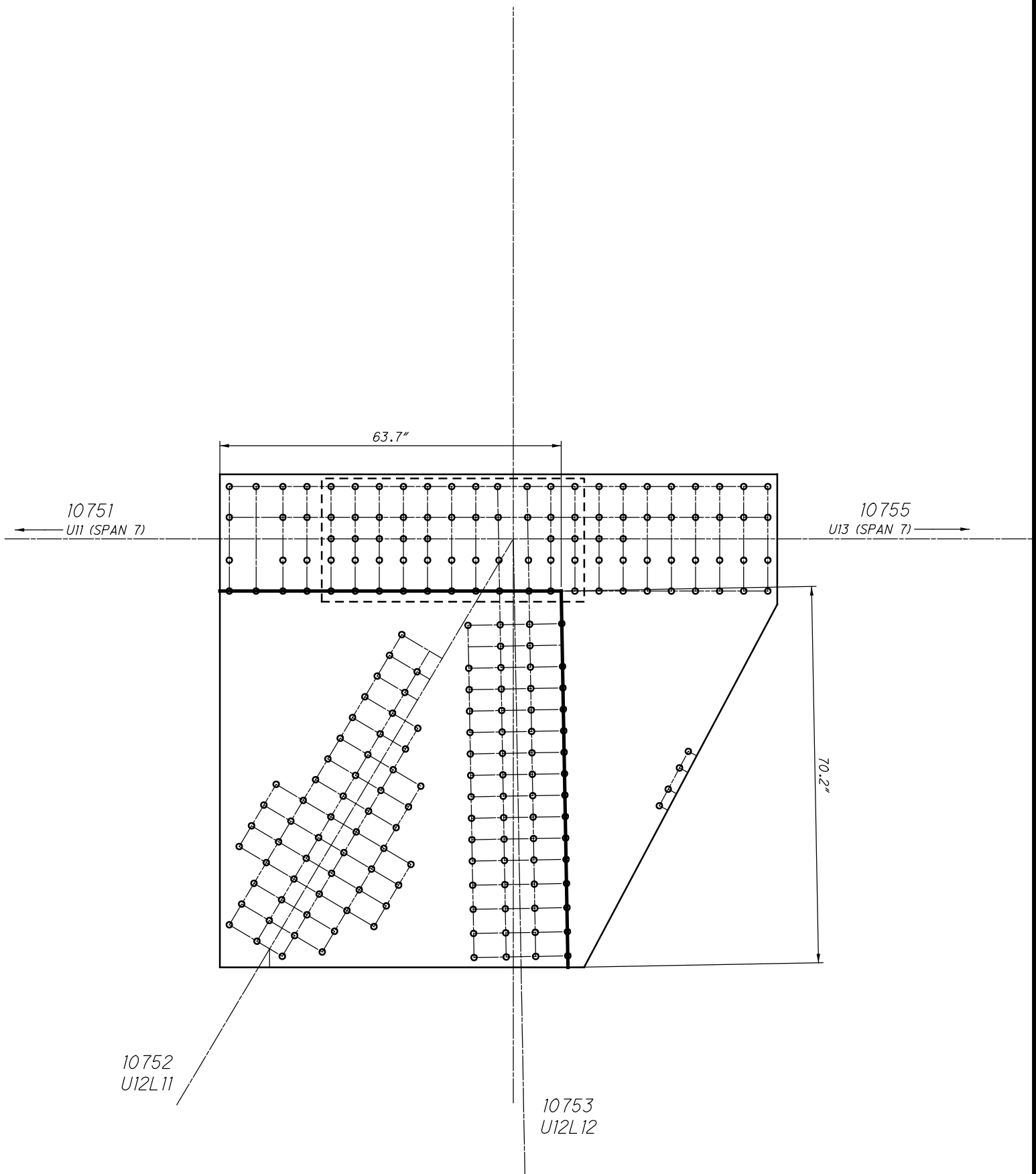




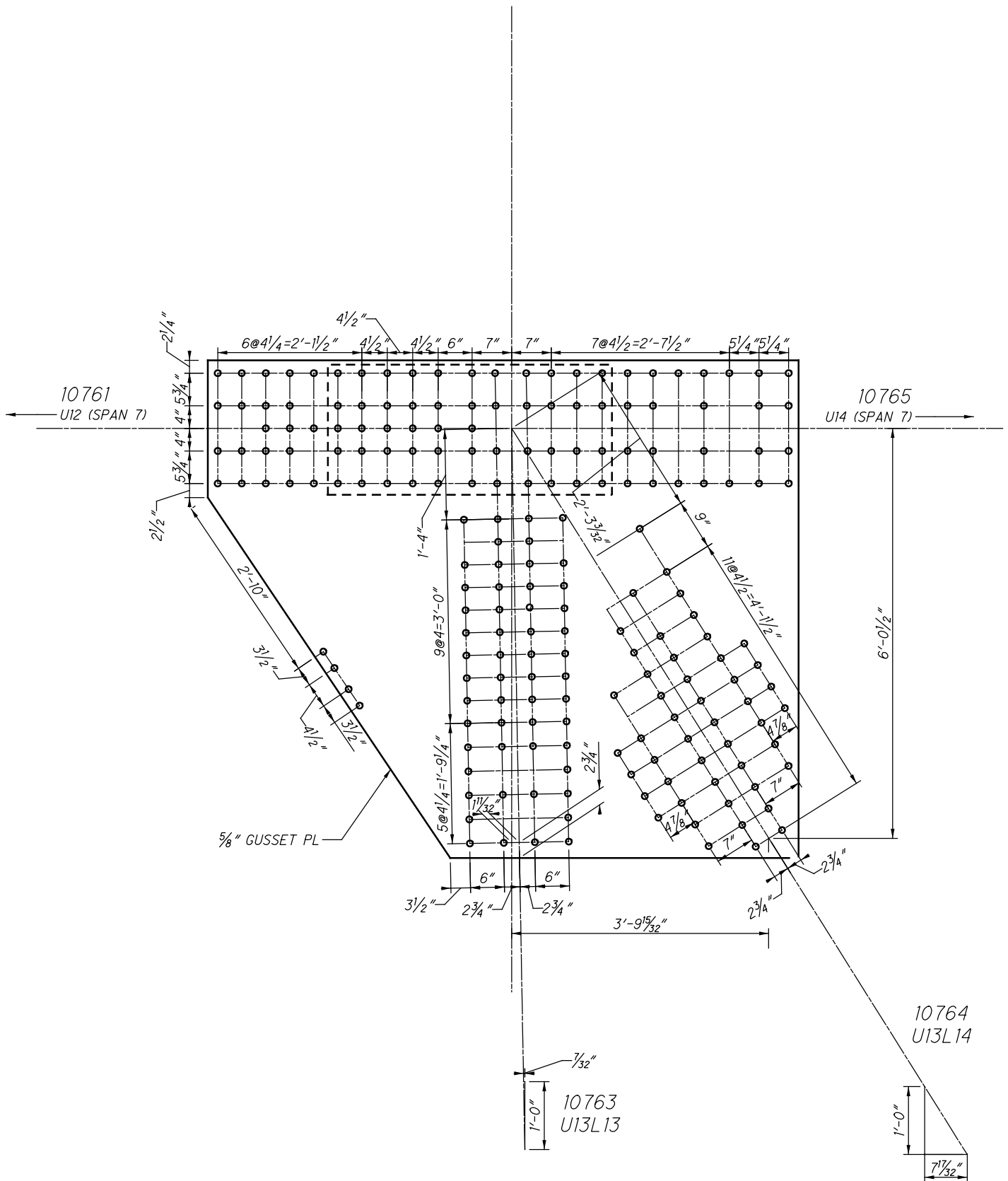
**U75 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U75 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

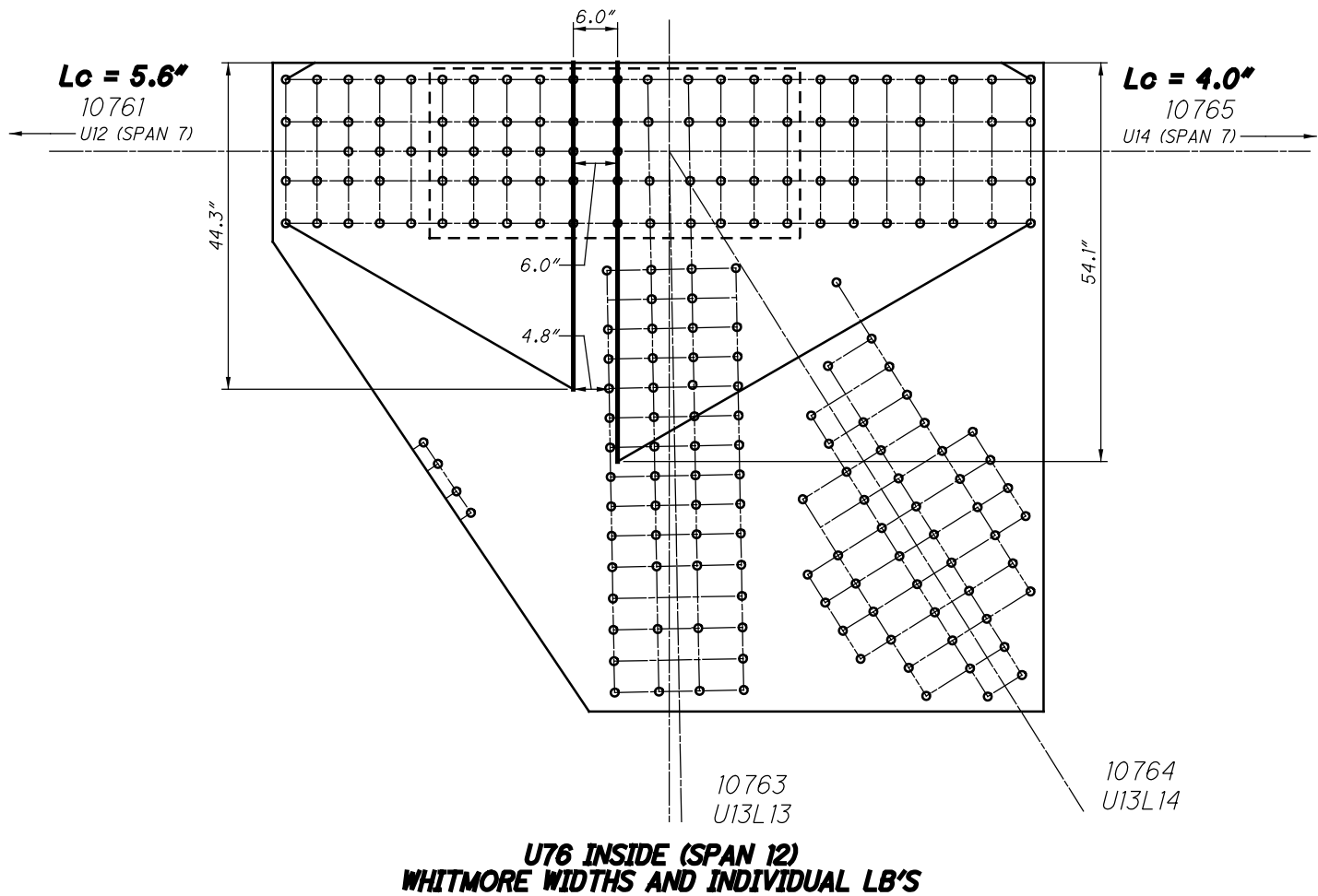
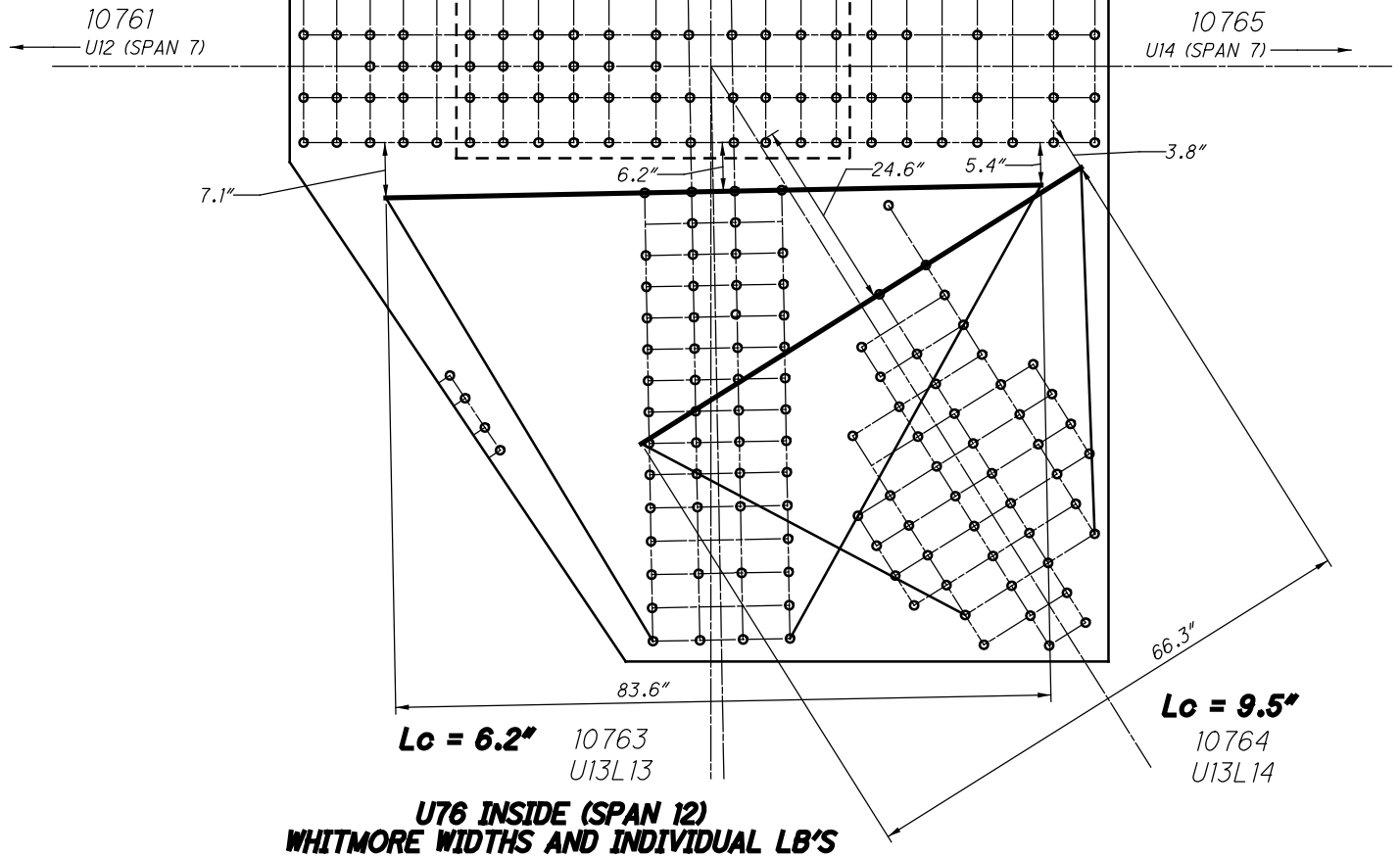


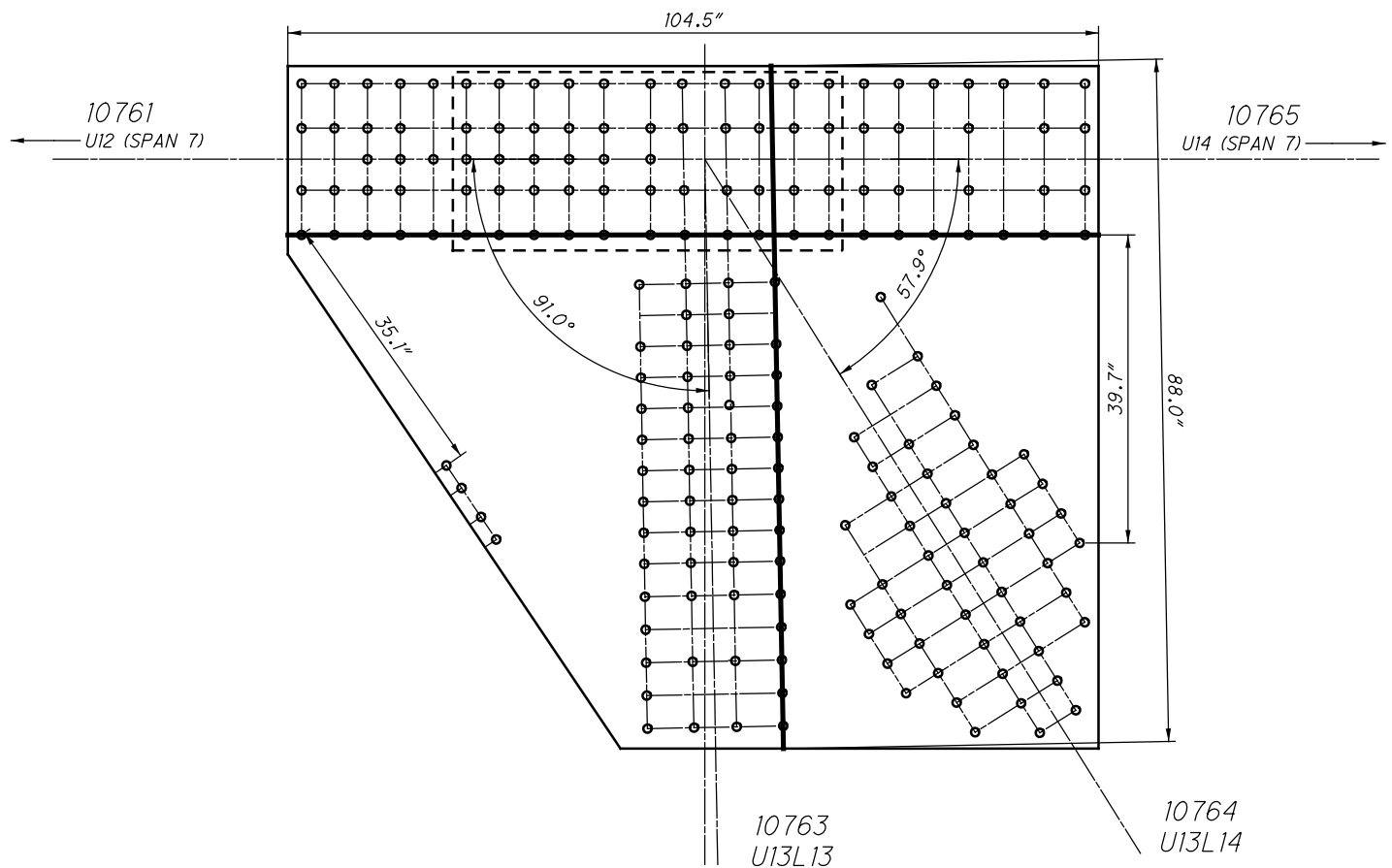
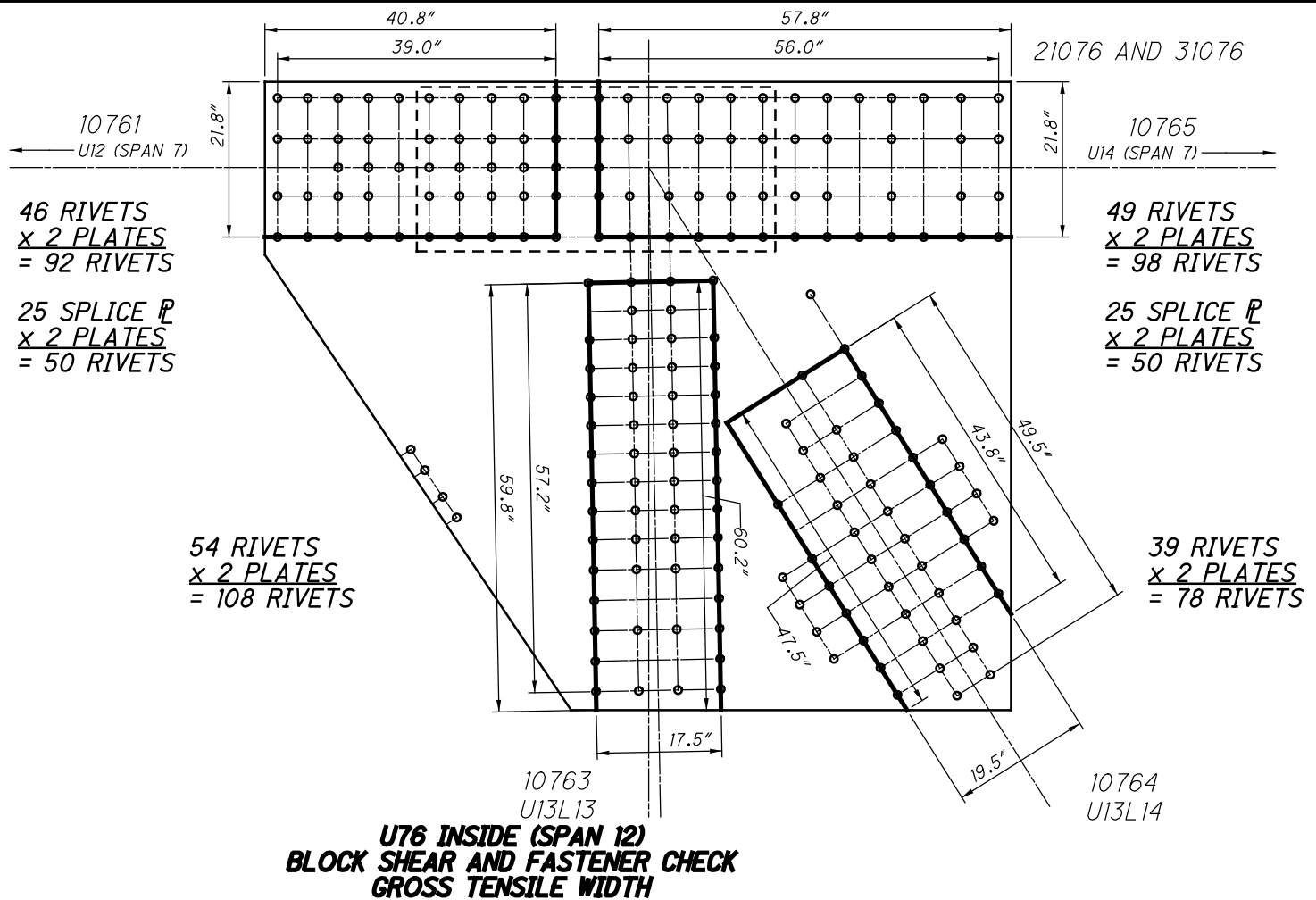
**U75 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



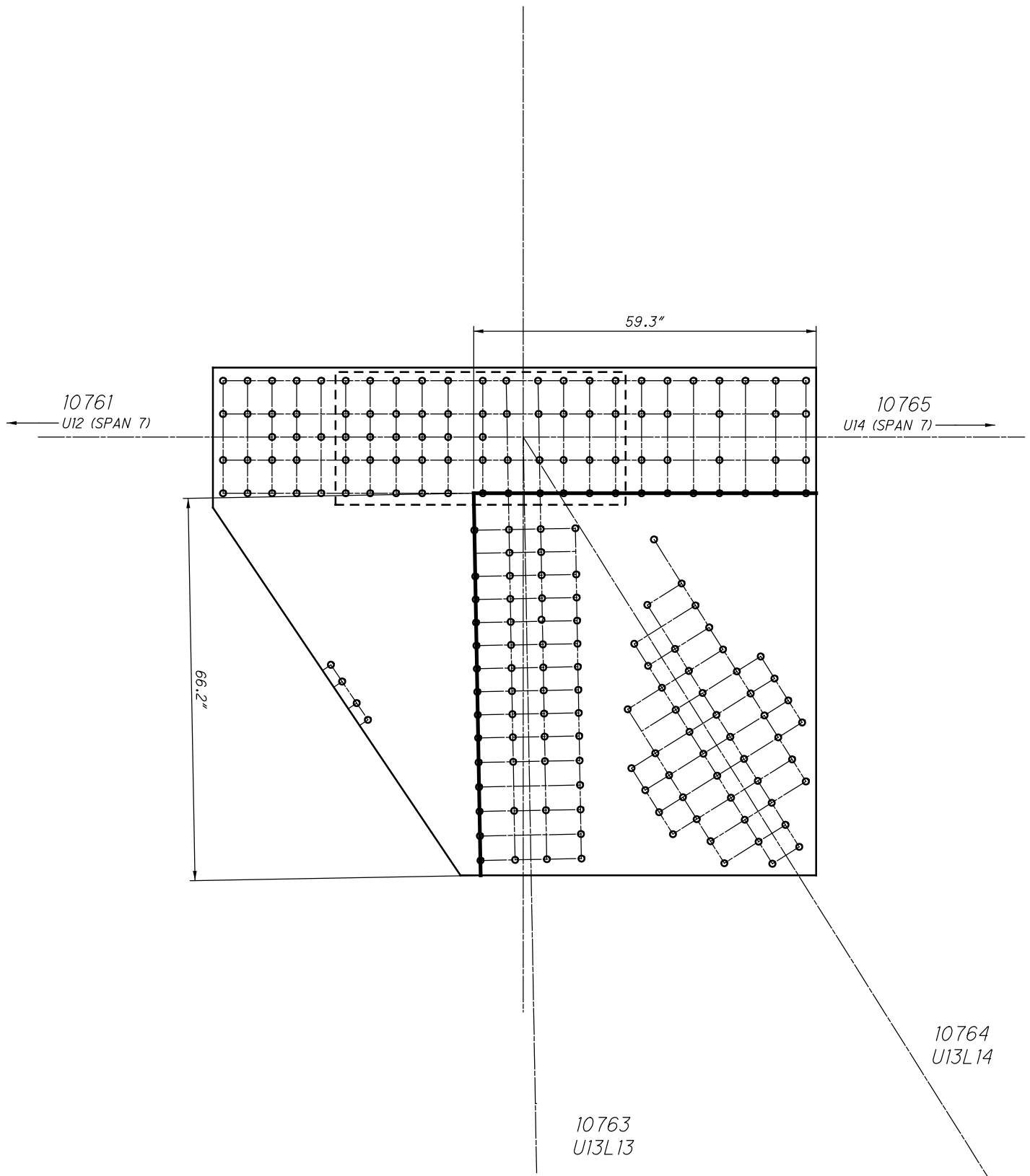
U6 INSIDE (SPAN 12)

21076 AND 31076

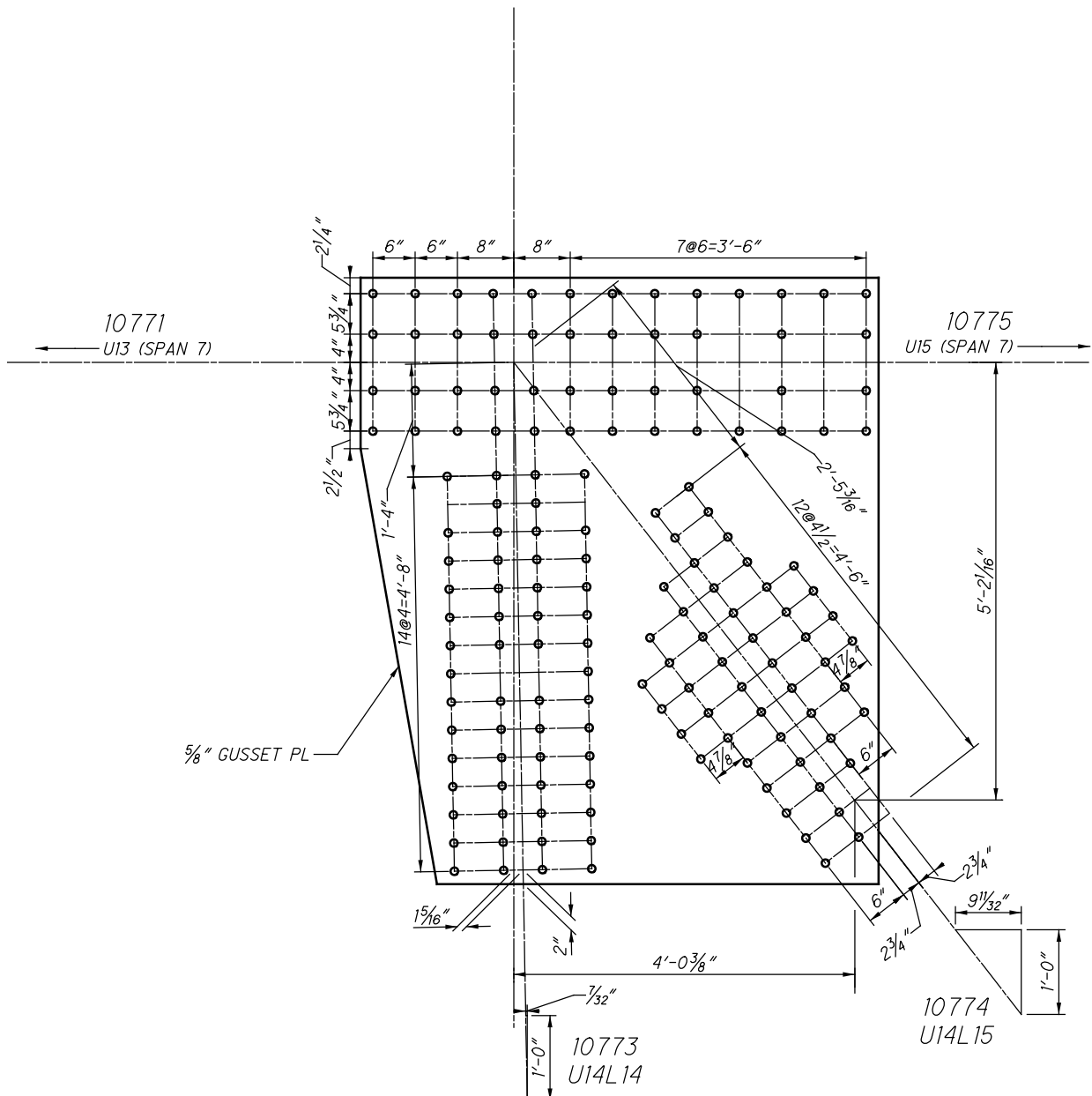




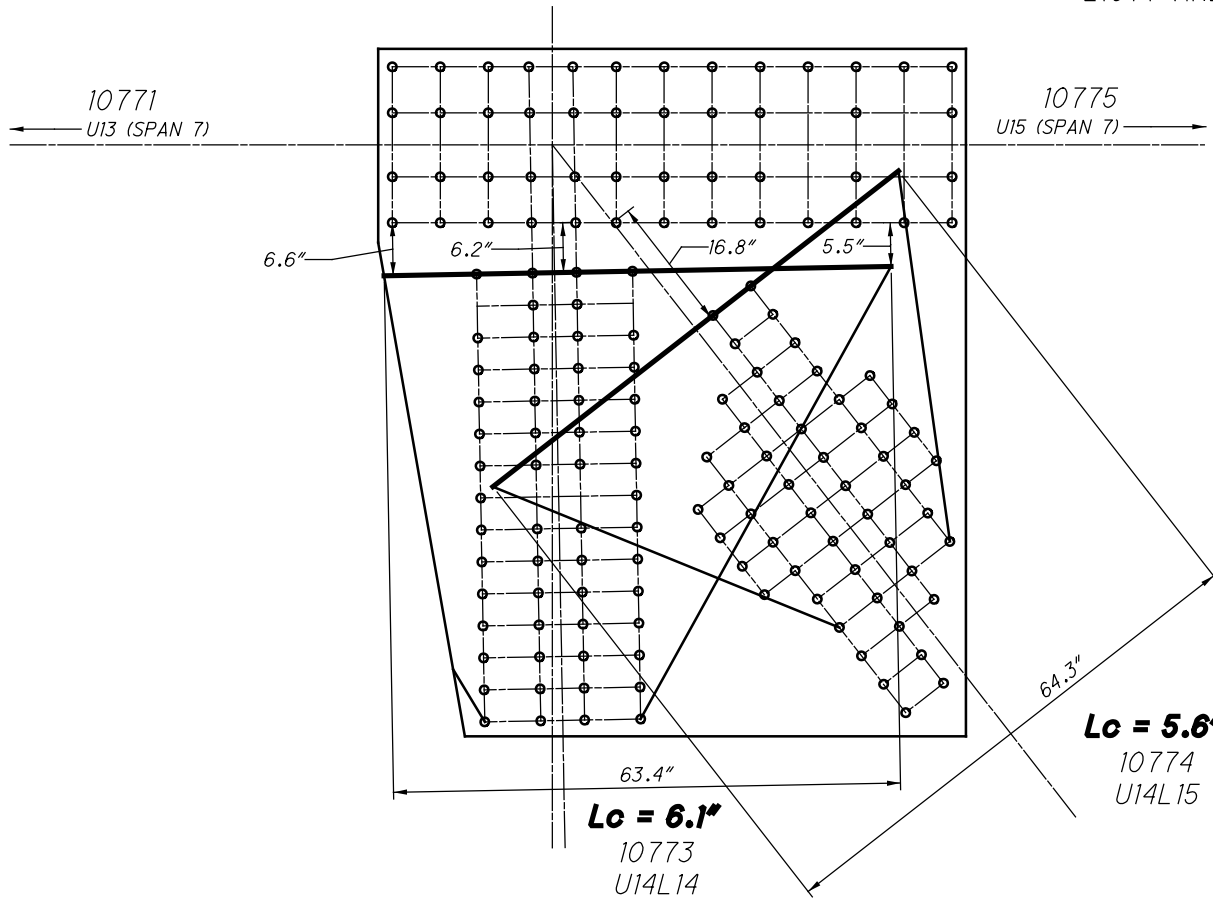
**U6 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



**U76 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

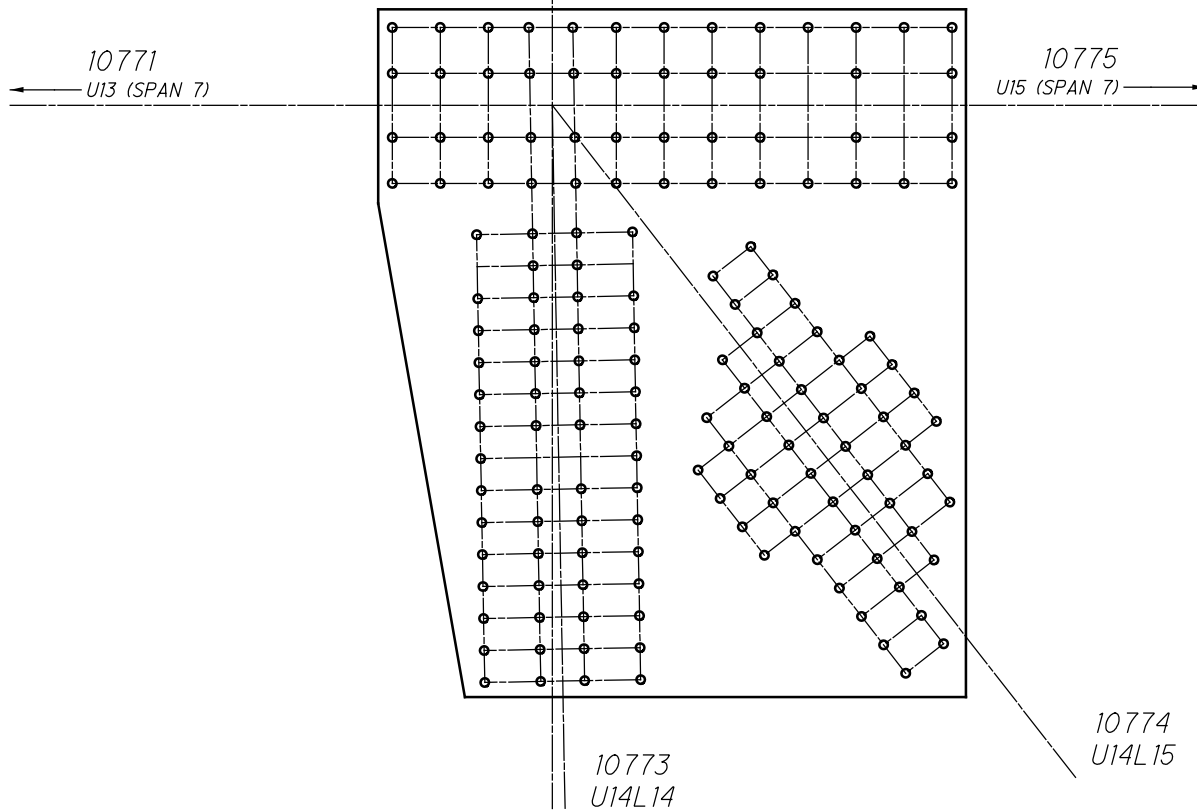


U77 INSIDE (SPAN 12)

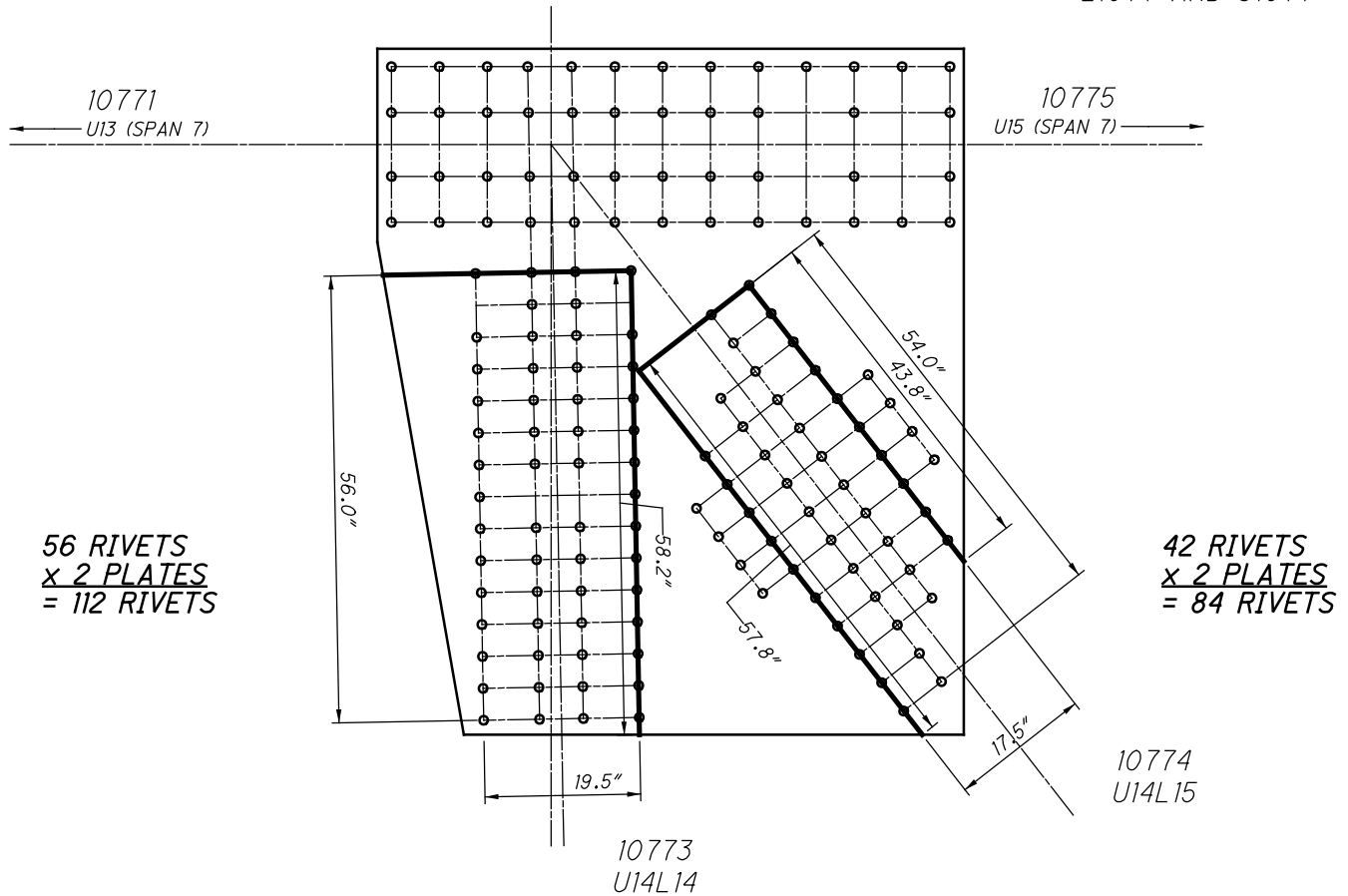


**U77 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

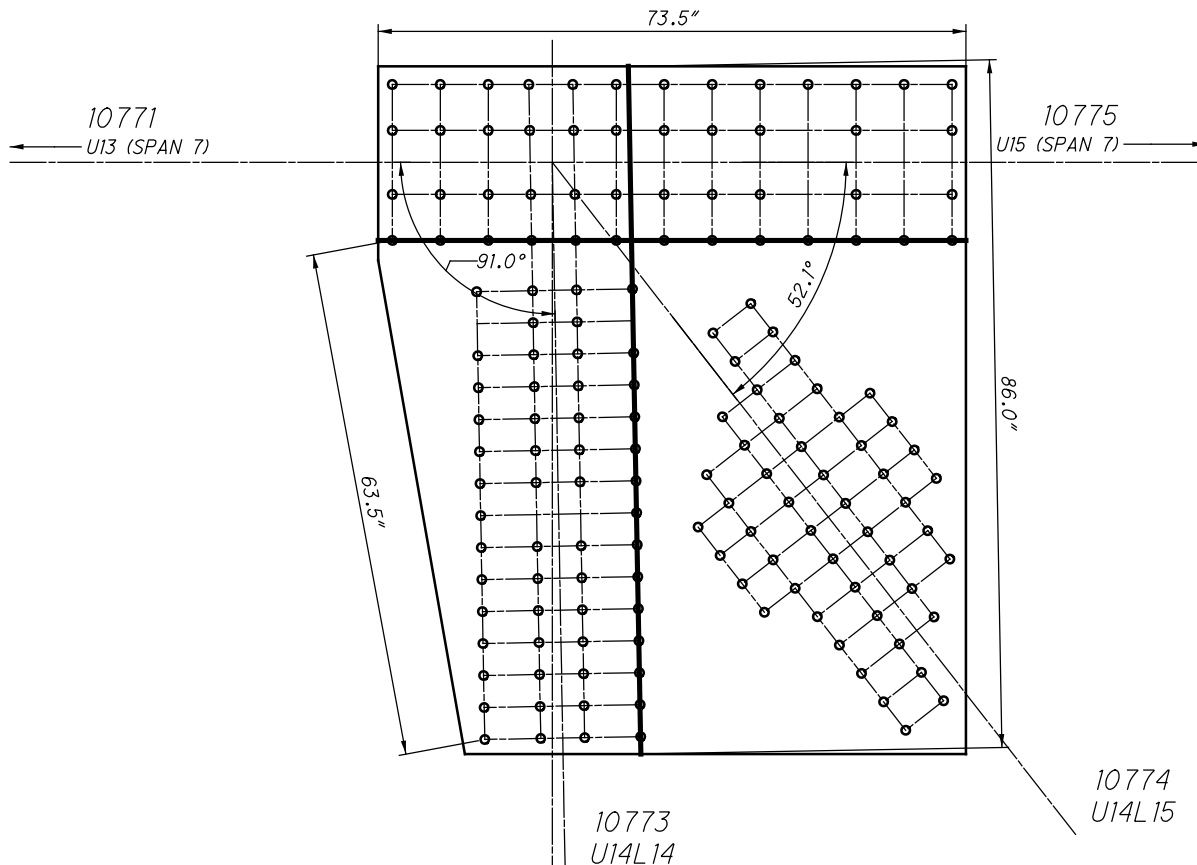
CHORD IS CONTINUOUS



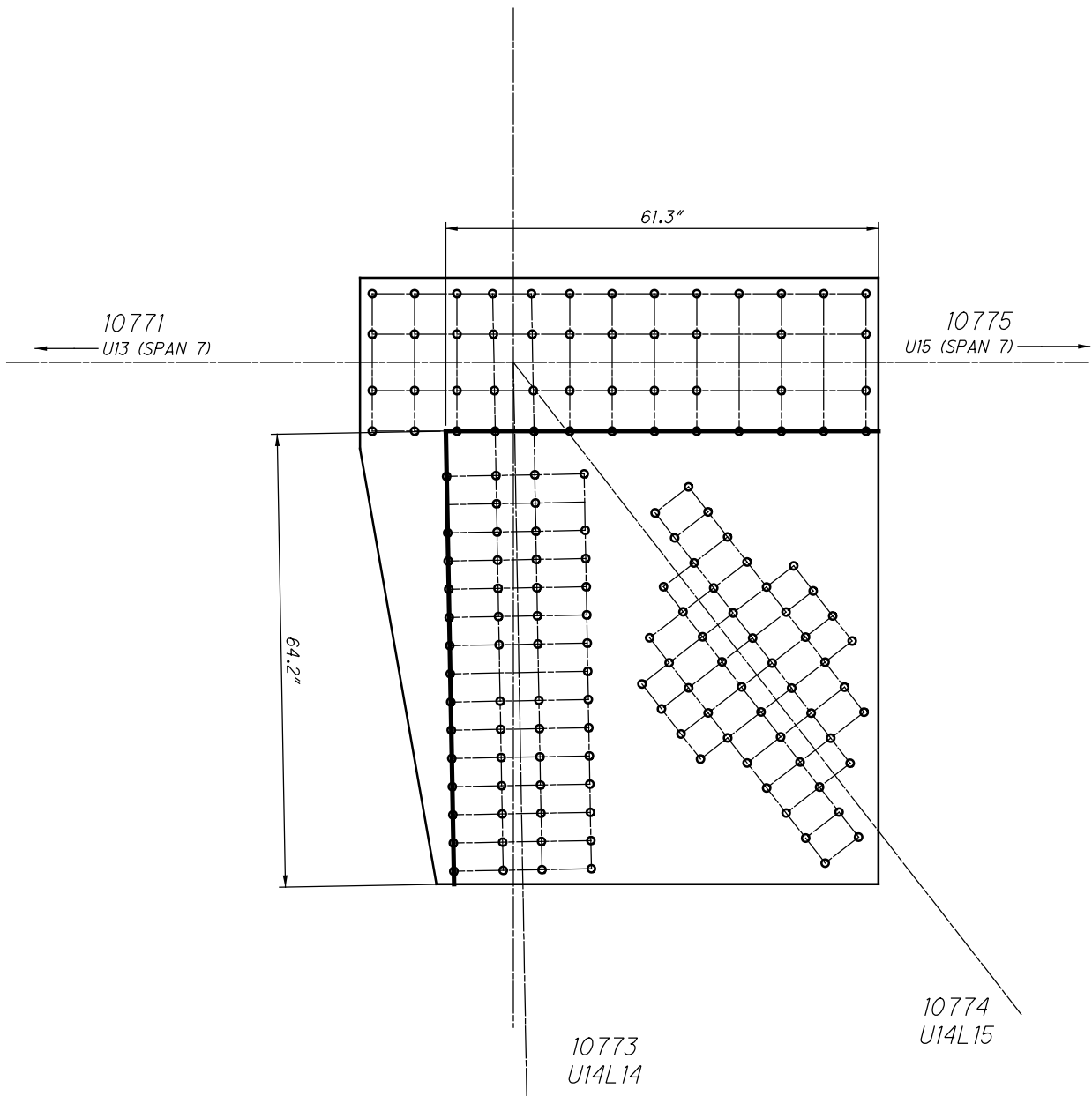
**U77 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



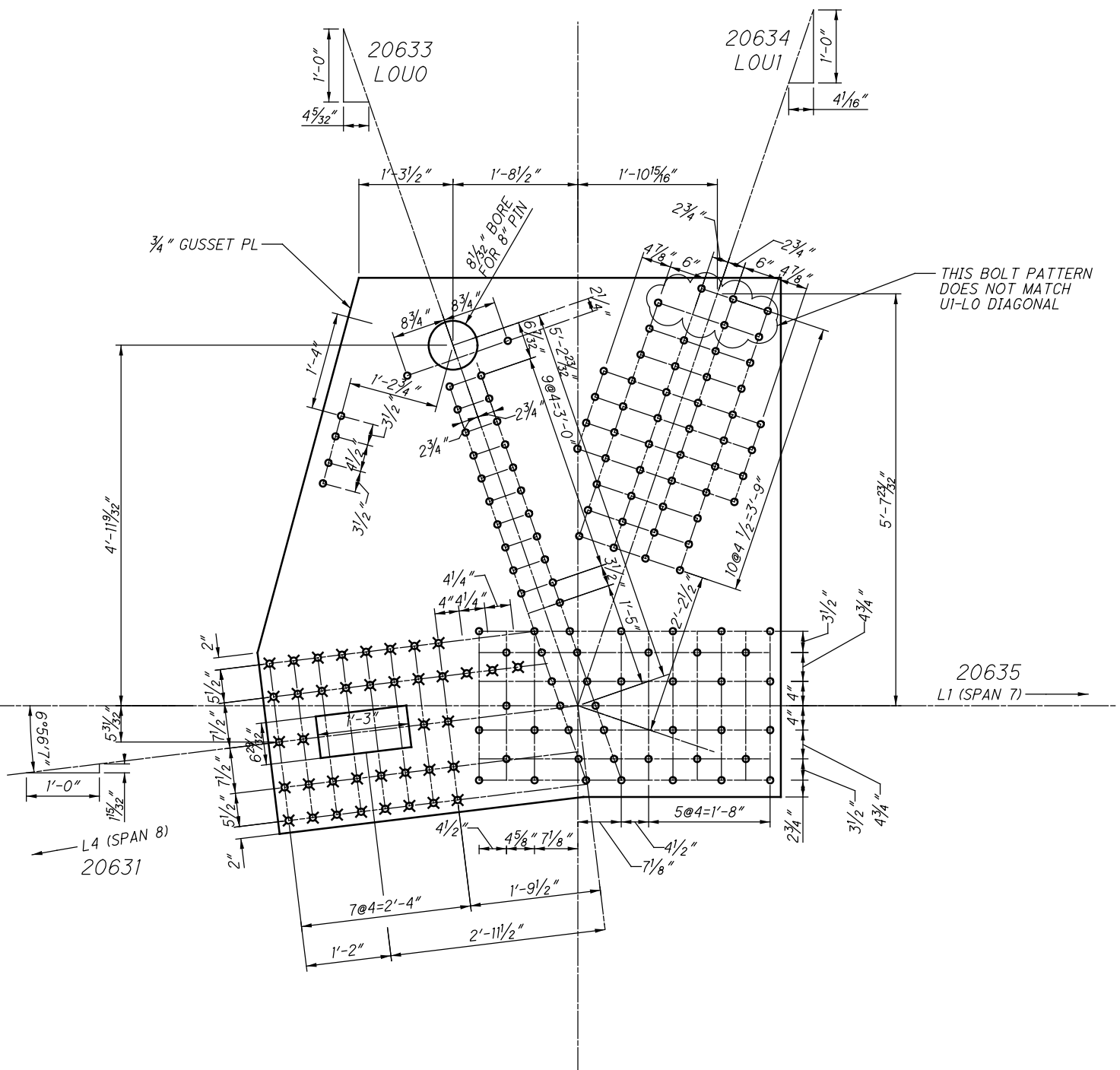
**U77 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



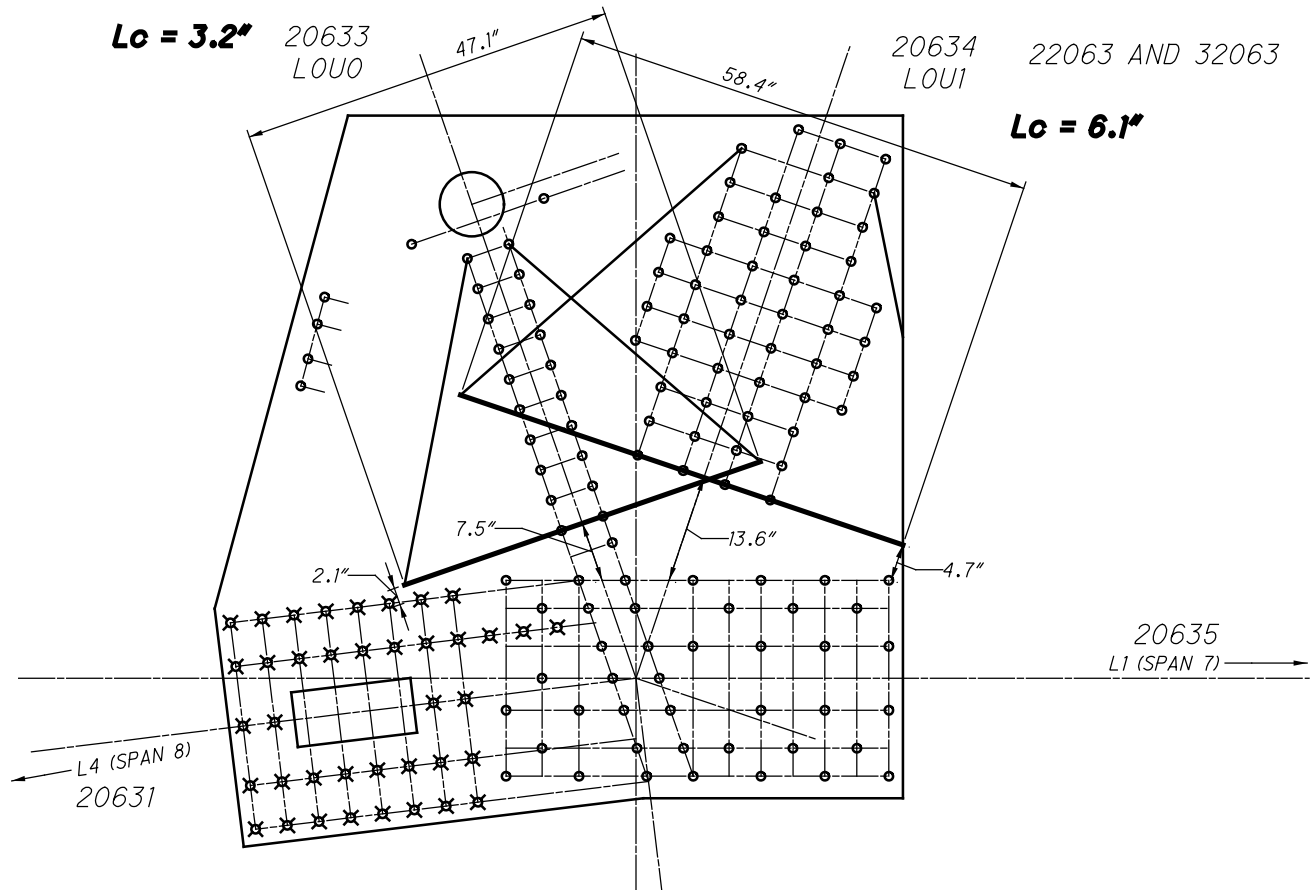
**U77 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



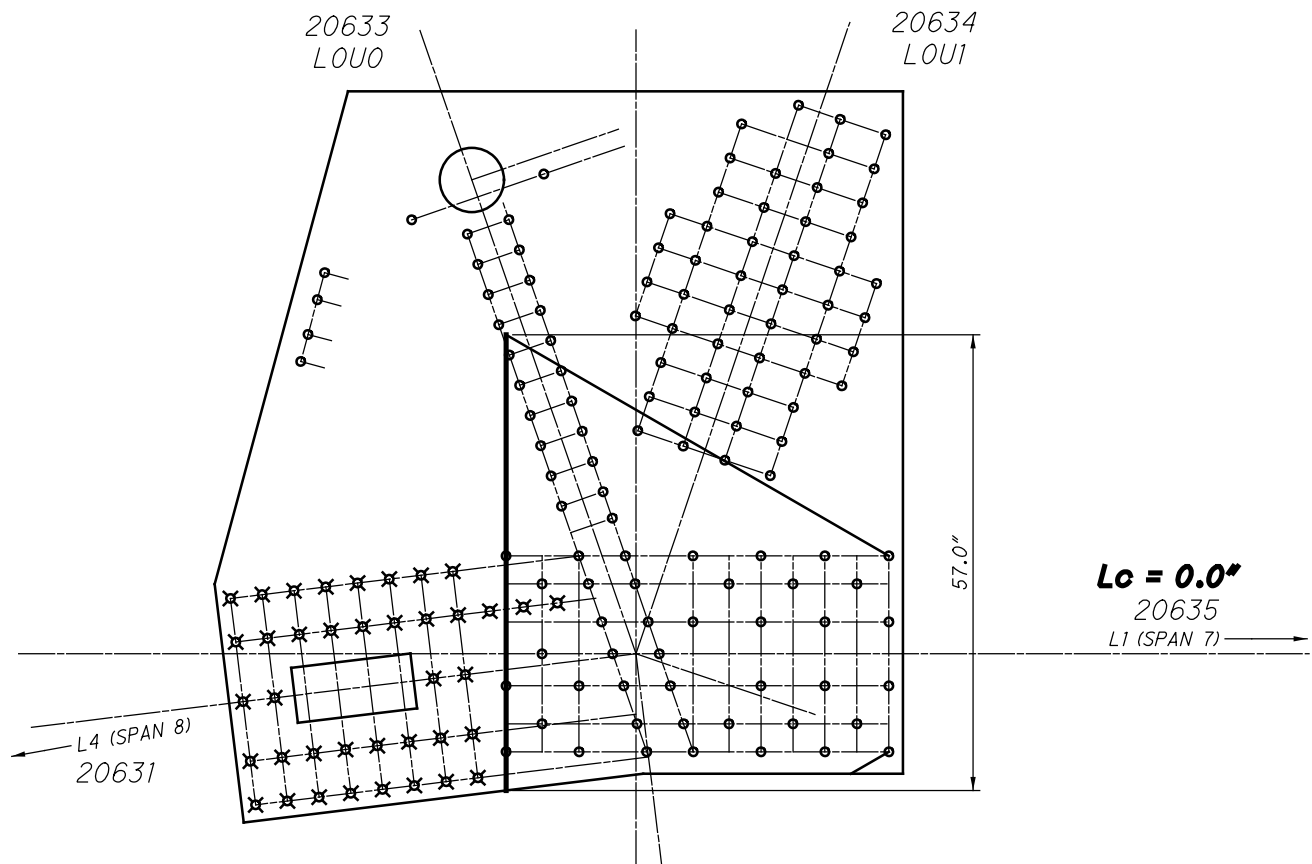
**U77 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



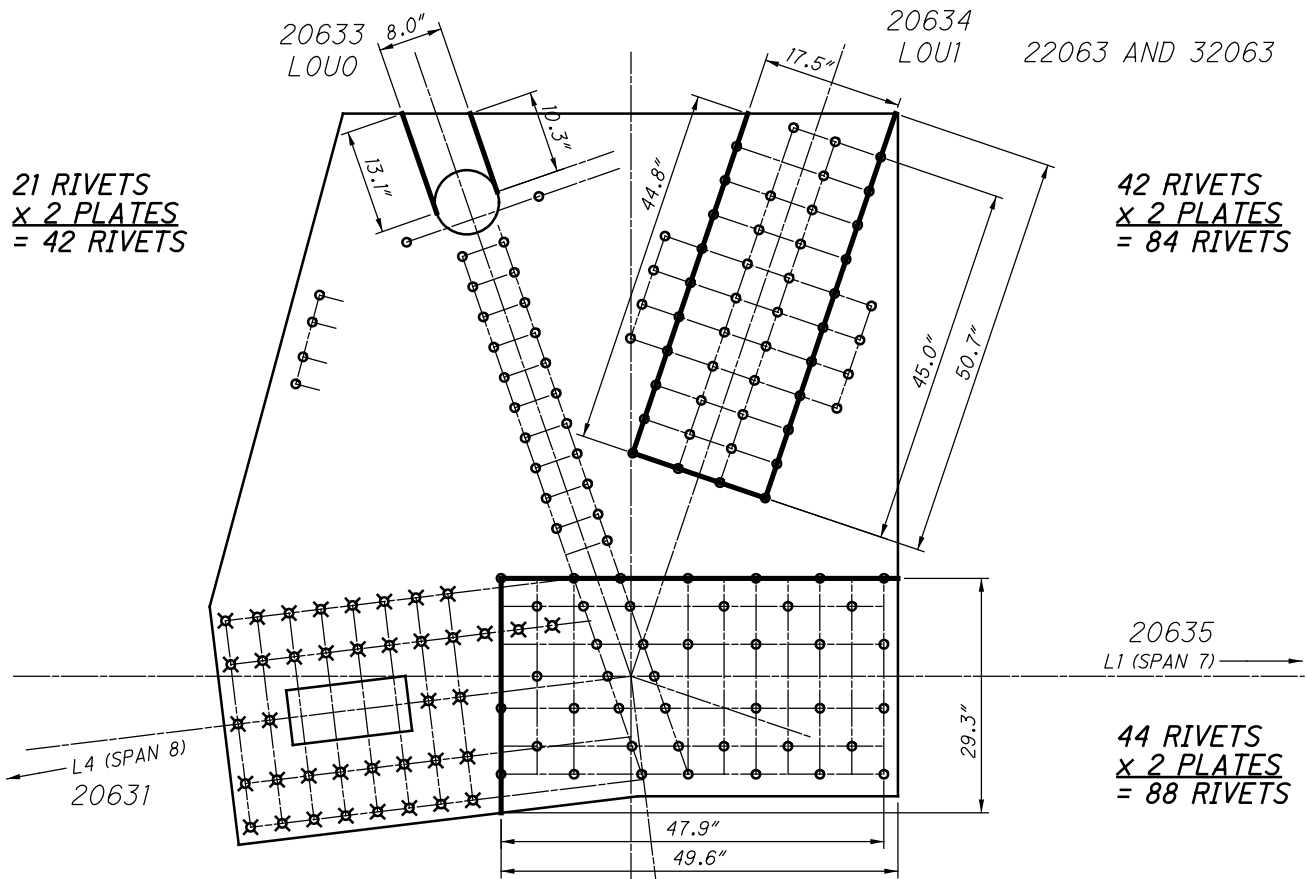
L63 INSIDE (SPAN 12)



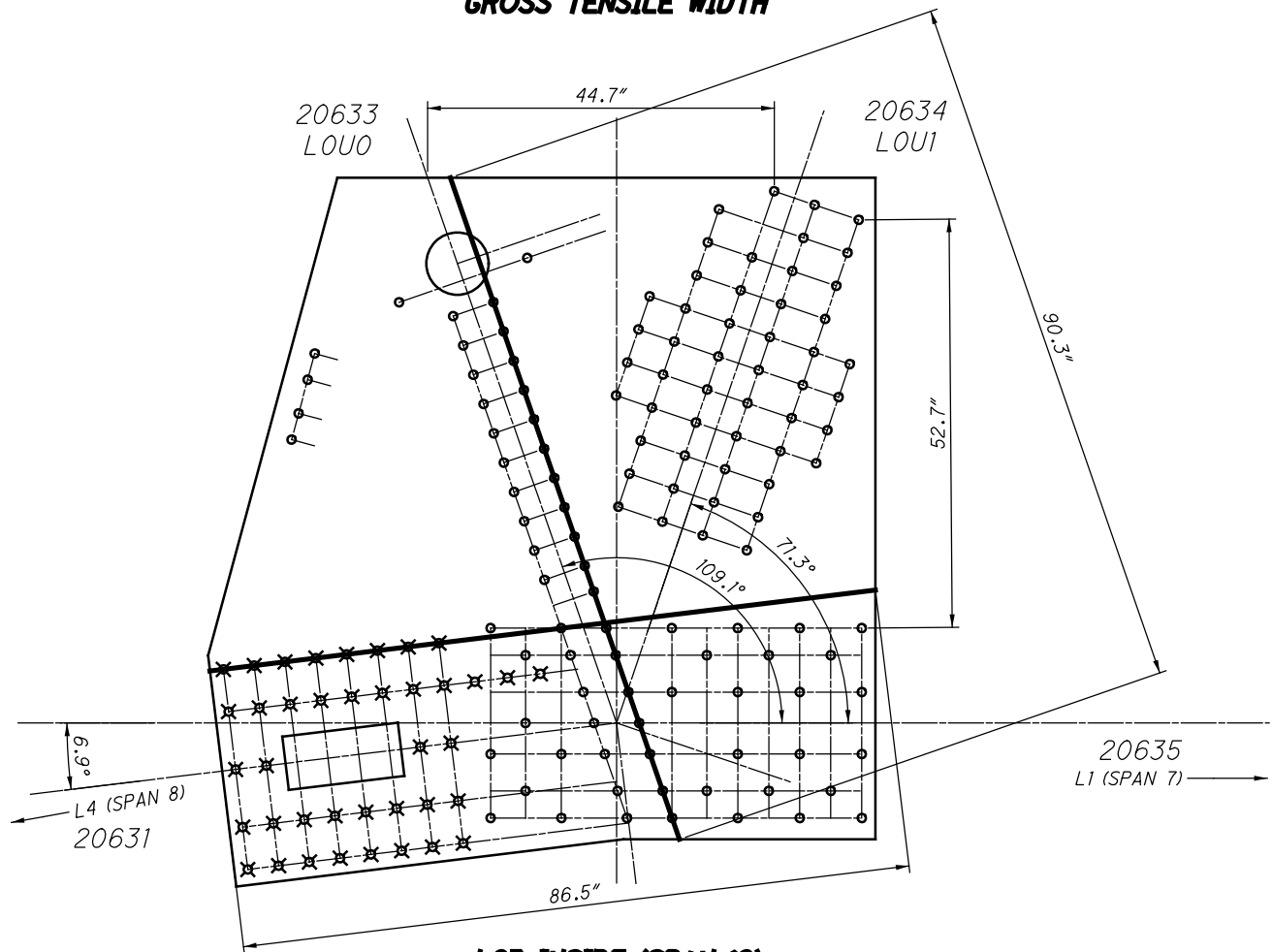
**L63 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L63 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



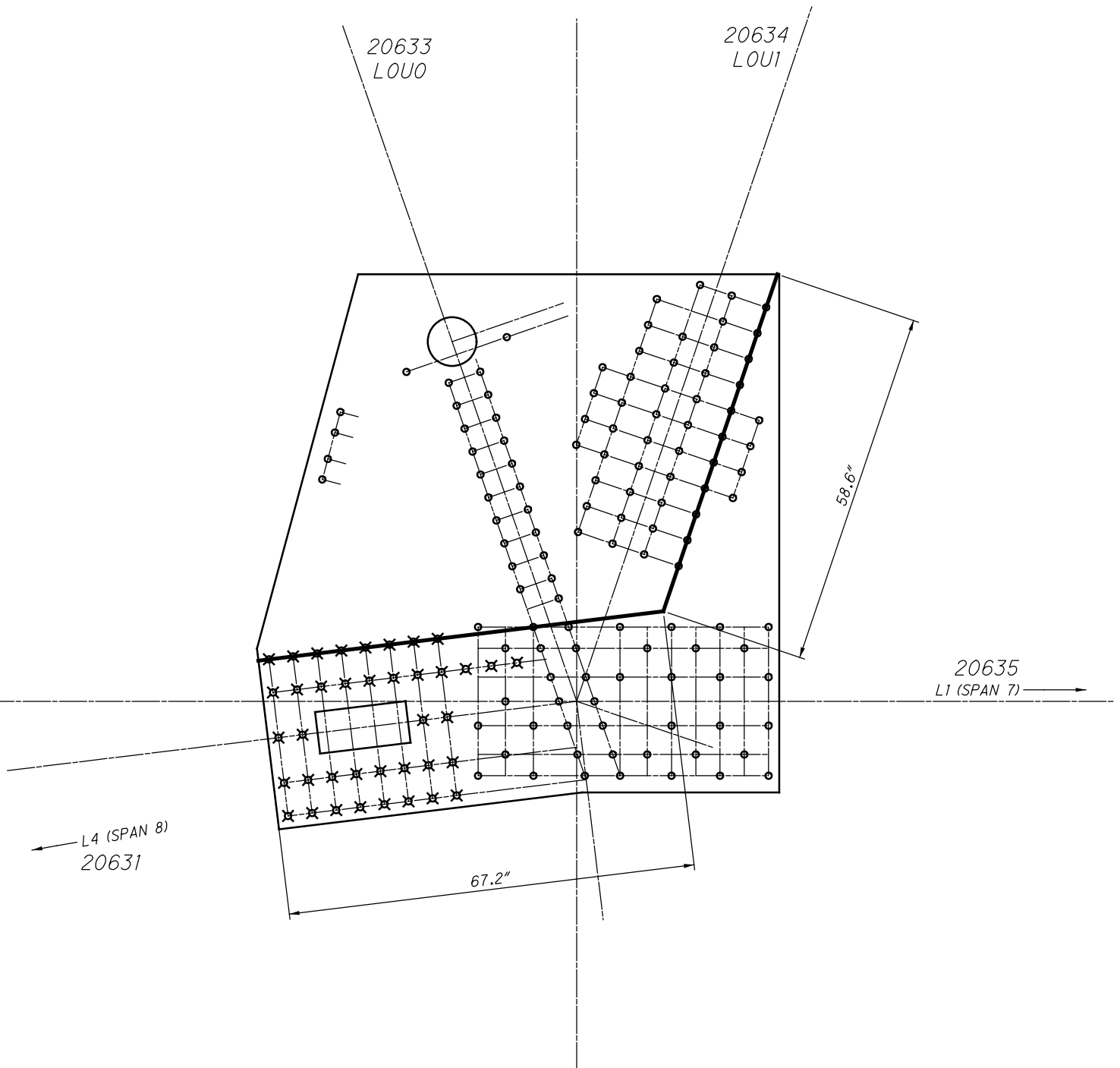
**L63 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



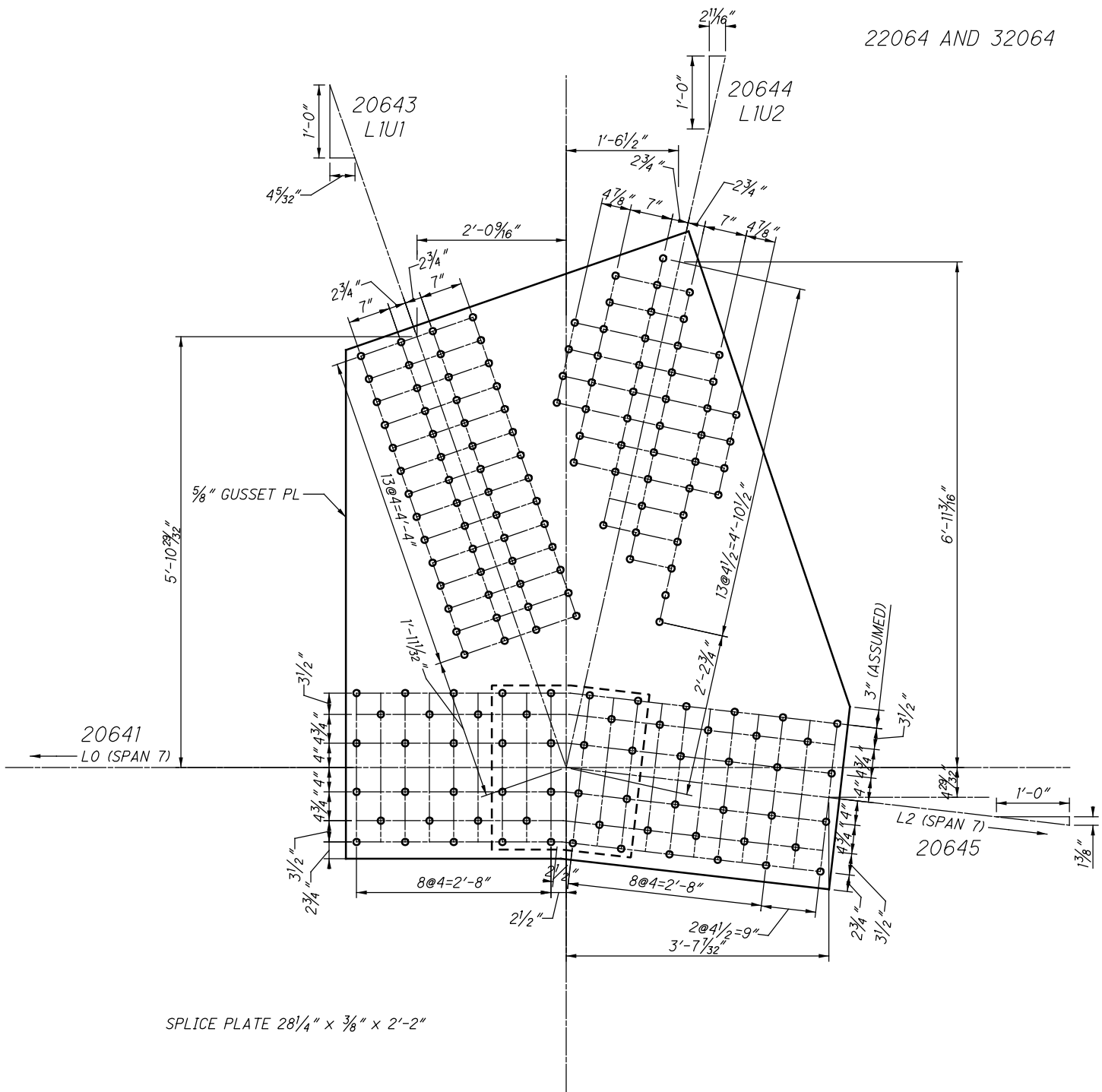
**L63 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

20633
LOU0

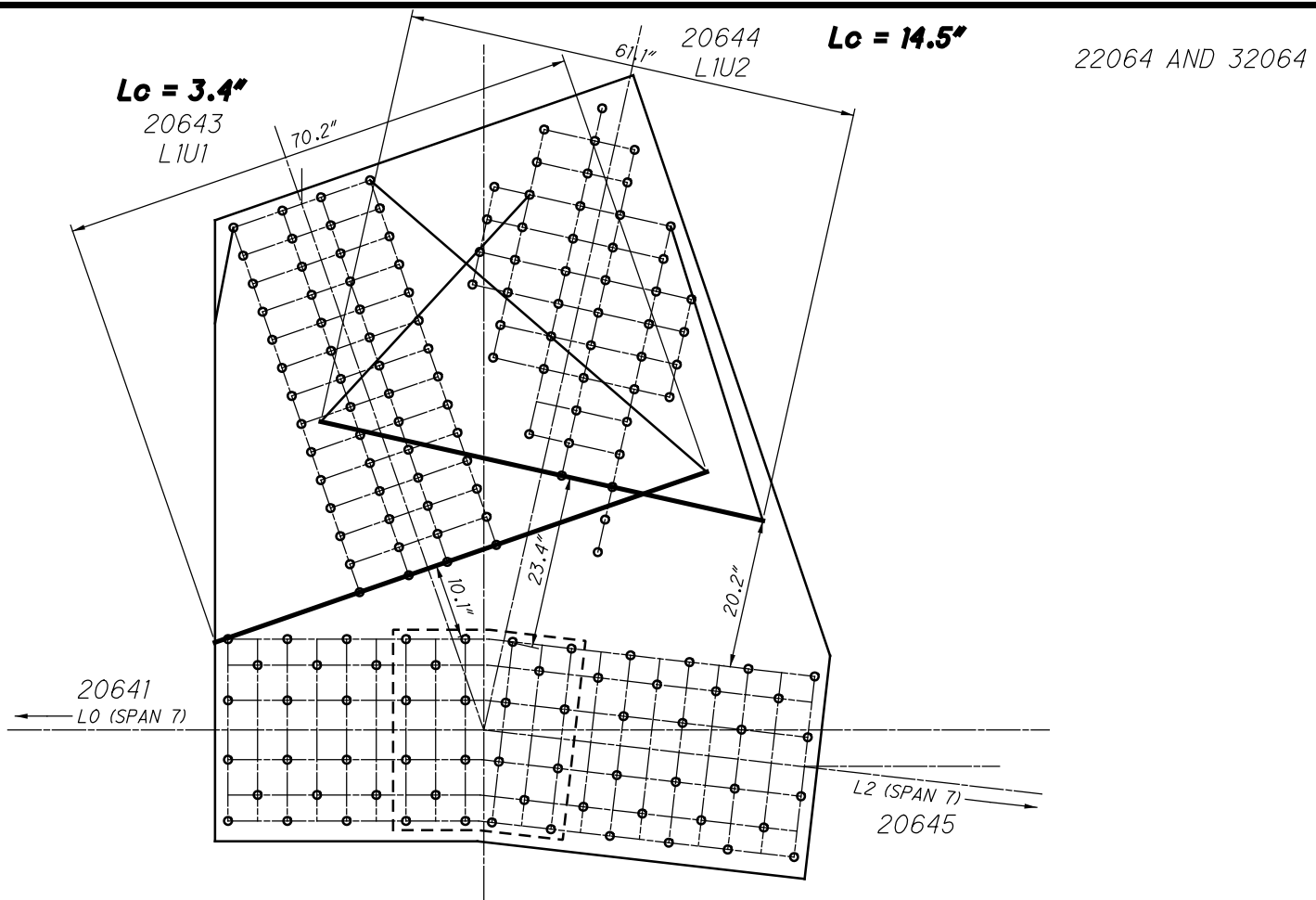
20634
LOU1



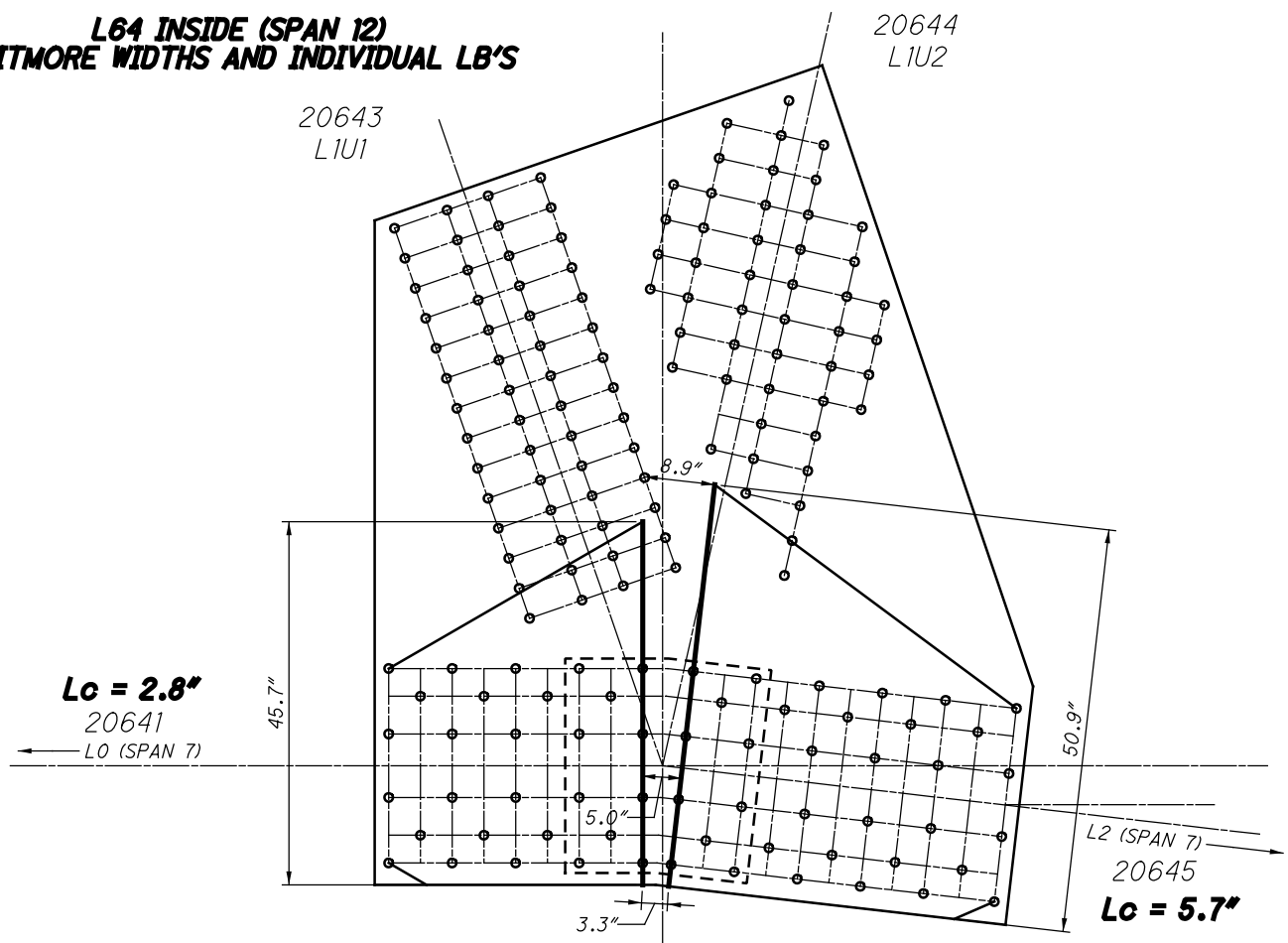
**L63 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



L64 INSIDE (SPAN 12)



**L64 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L64 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

56 RIVETS
x 2 PLATES
 = 112 RIVETS

20643
 L1U1

20644
 L1U2

22064 AND 32064

38 RIVETS
x 2 PLATES
 = 76 RIVETS

28 RIVETS
x 2 PLATES
 = 56 RIVETS

34 RIVETS
x 2 PLATES
 = 68 RIVETS

10 SPLICE P
x 2 PLATES
 = 20 RIVETS

20641
 L0 (SPAN 7)

10 SPLICE P
x 2 PLATES
 = 20 RIVETS

**L64 INSIDE (SPAN 12)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

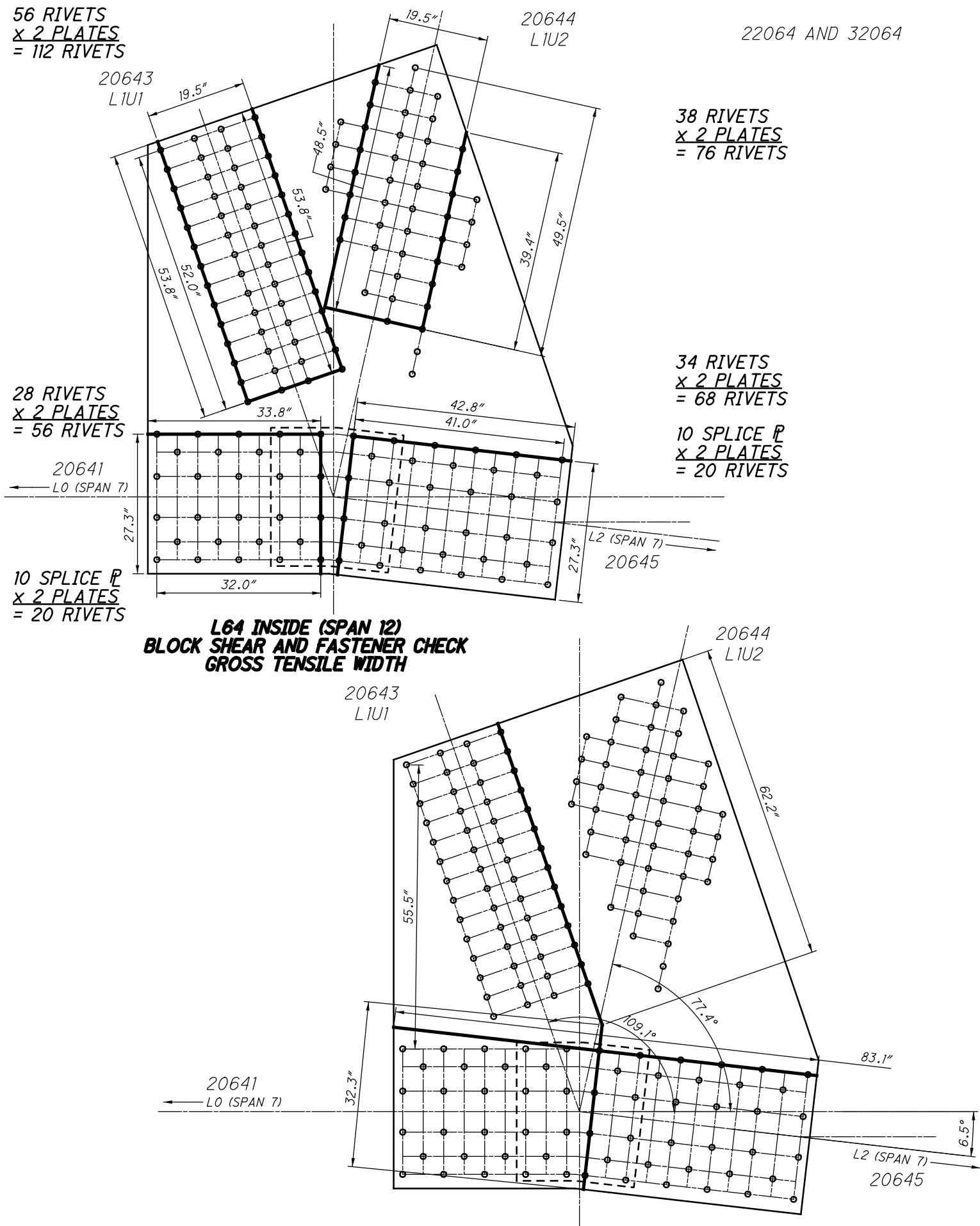
20643
 L1U1

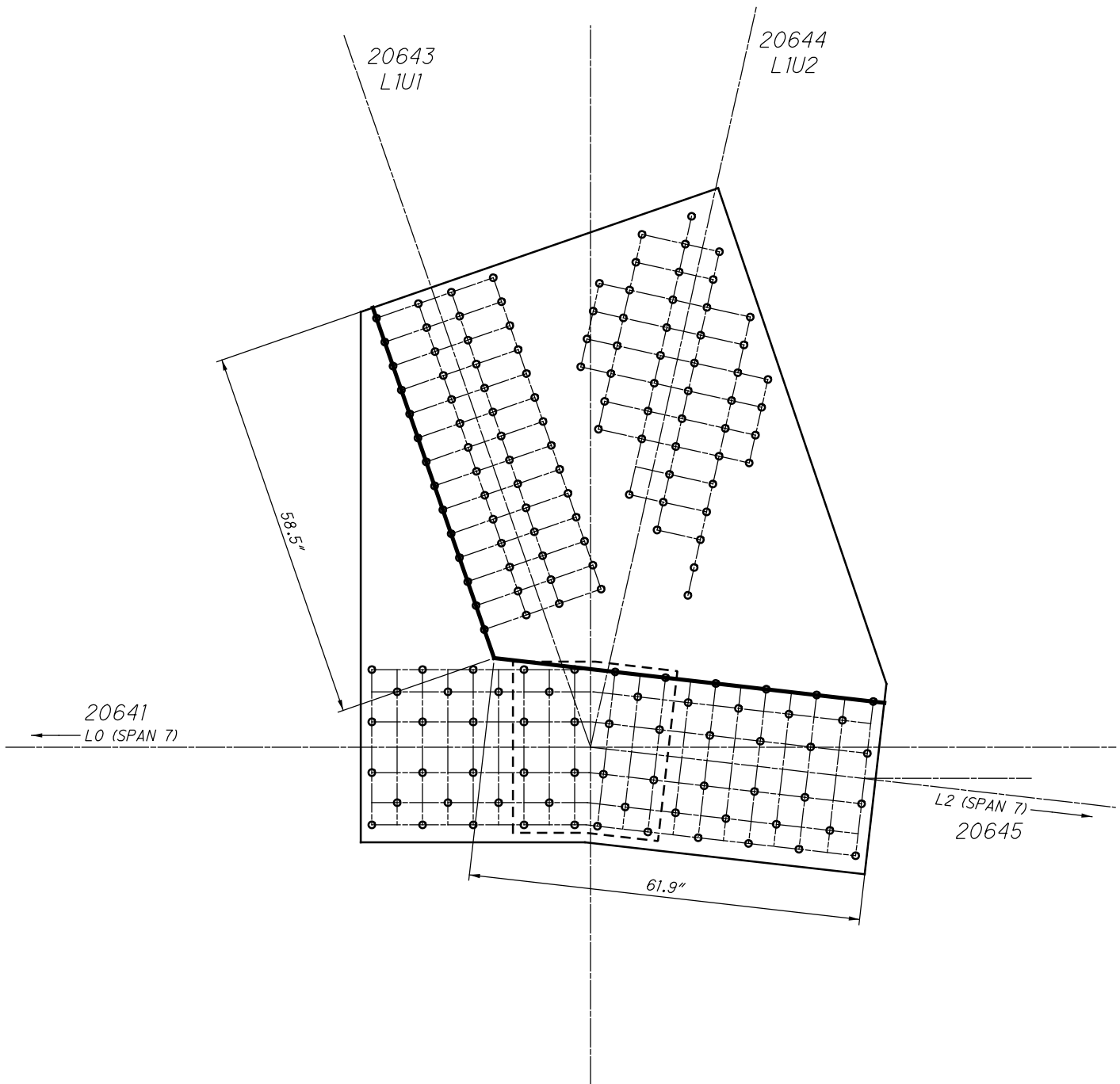
20644
 L1U2

20641
 L0 (SPAN 7)

L2 (SPAN 7)
 20645

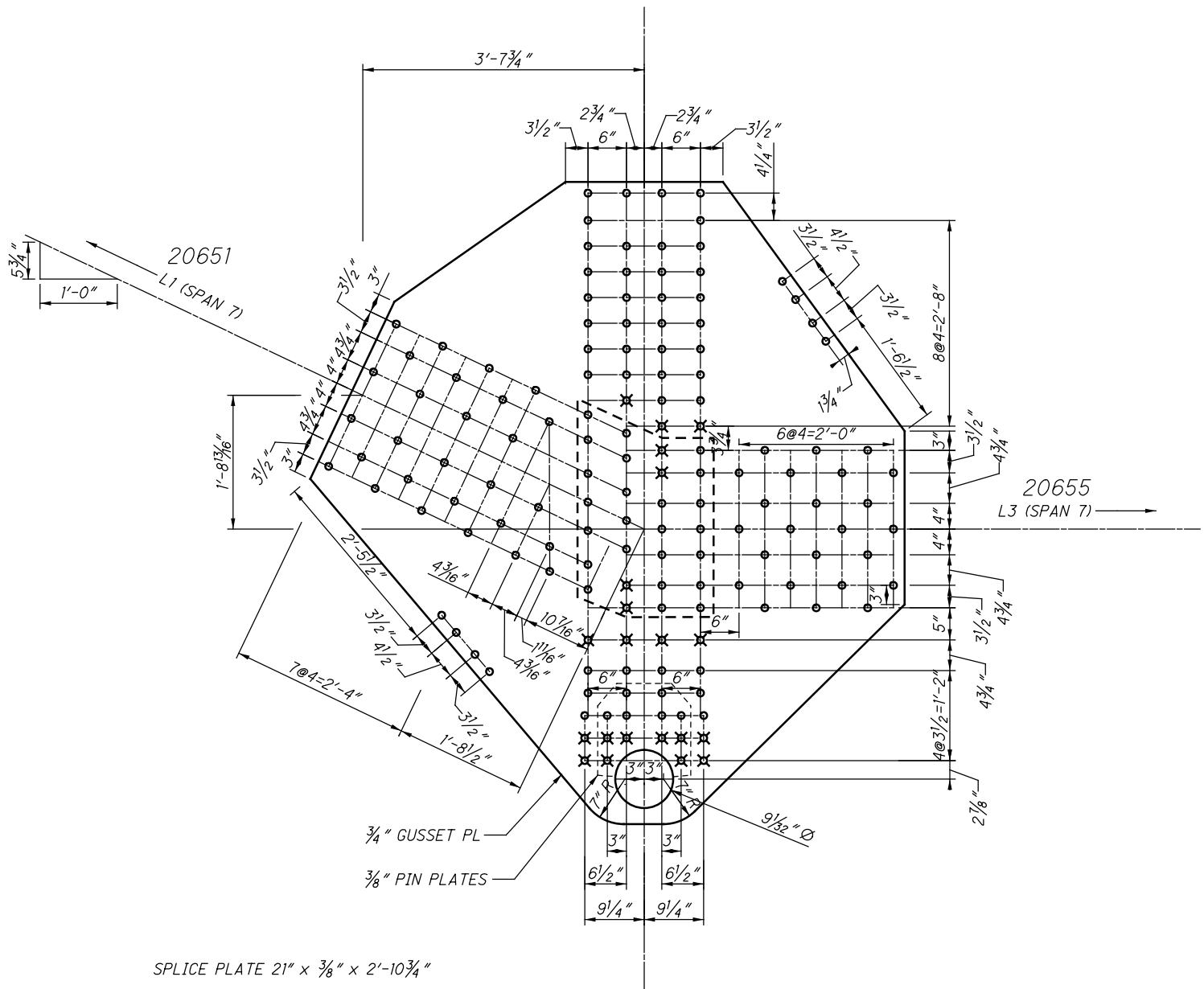
**L64 INSIDE (SPAN 12)
 SHEAR AND FREE EDGE CHECK**





**L64 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

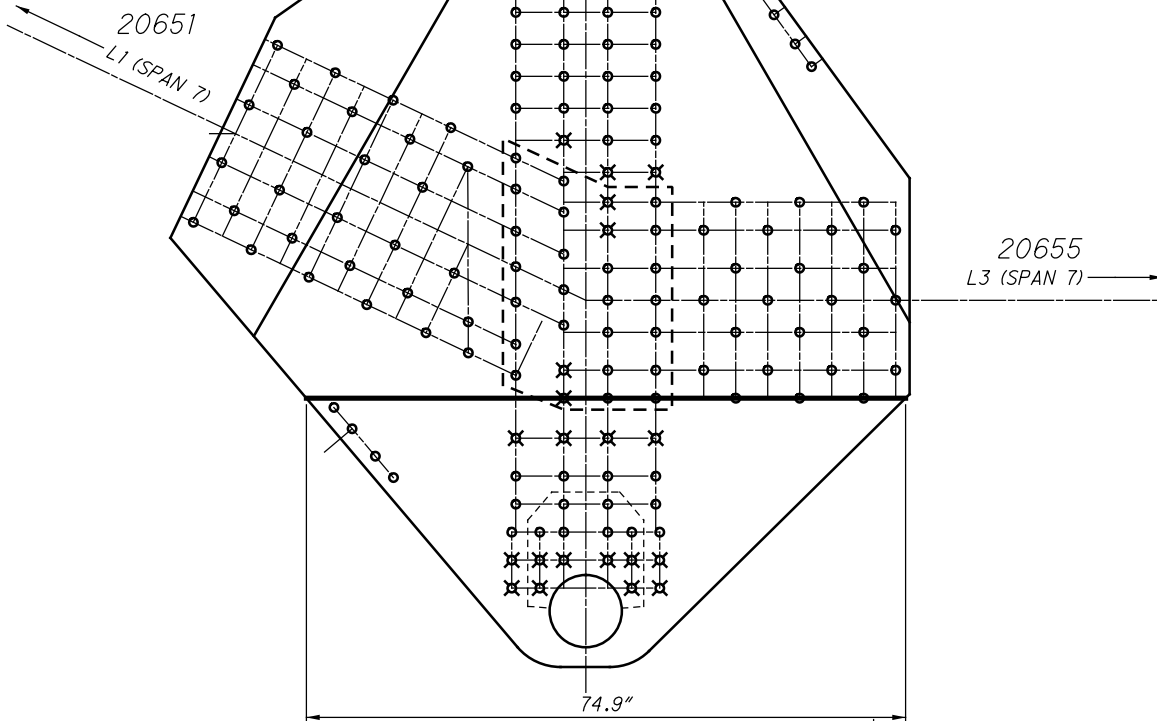
20653
L2U2



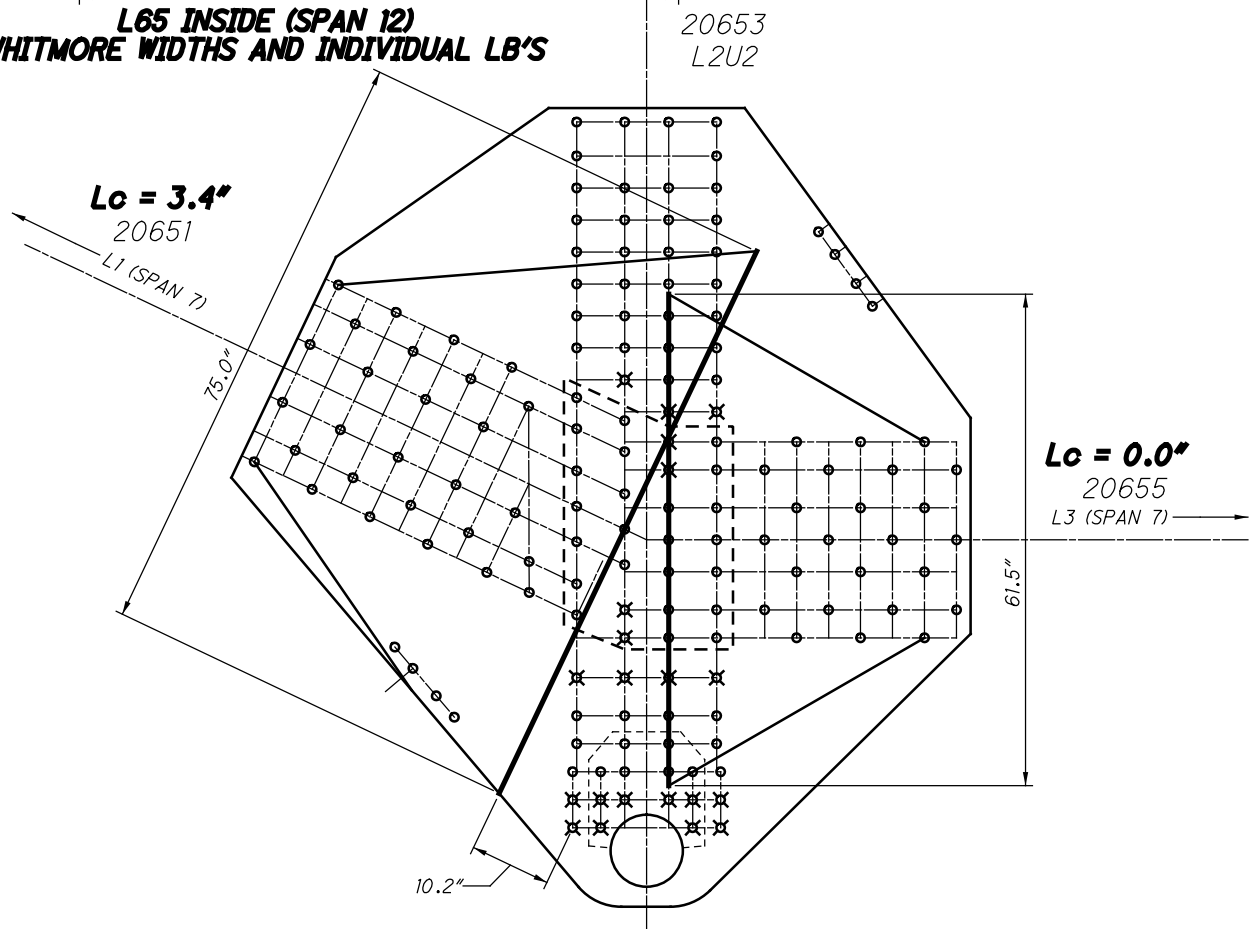
L65 INSIDE (SPAN 12)

20653
L2U2

22065 AND 32065



**L65 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



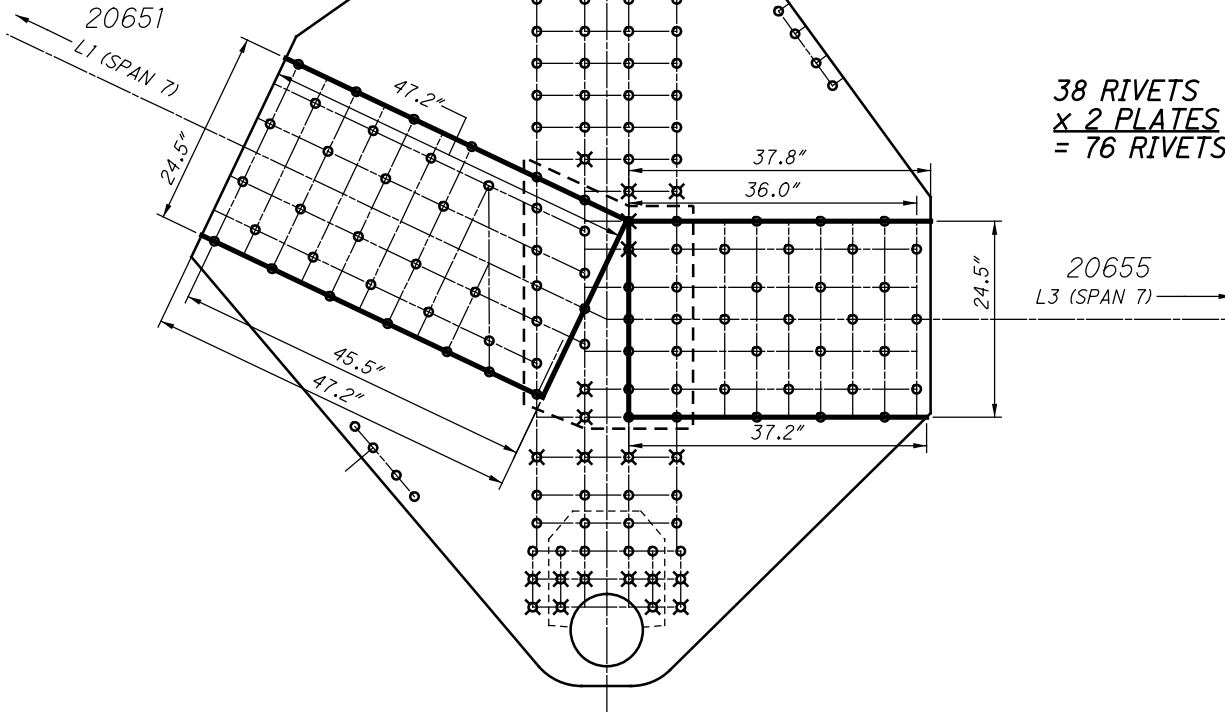
**L65 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20653
L2U2

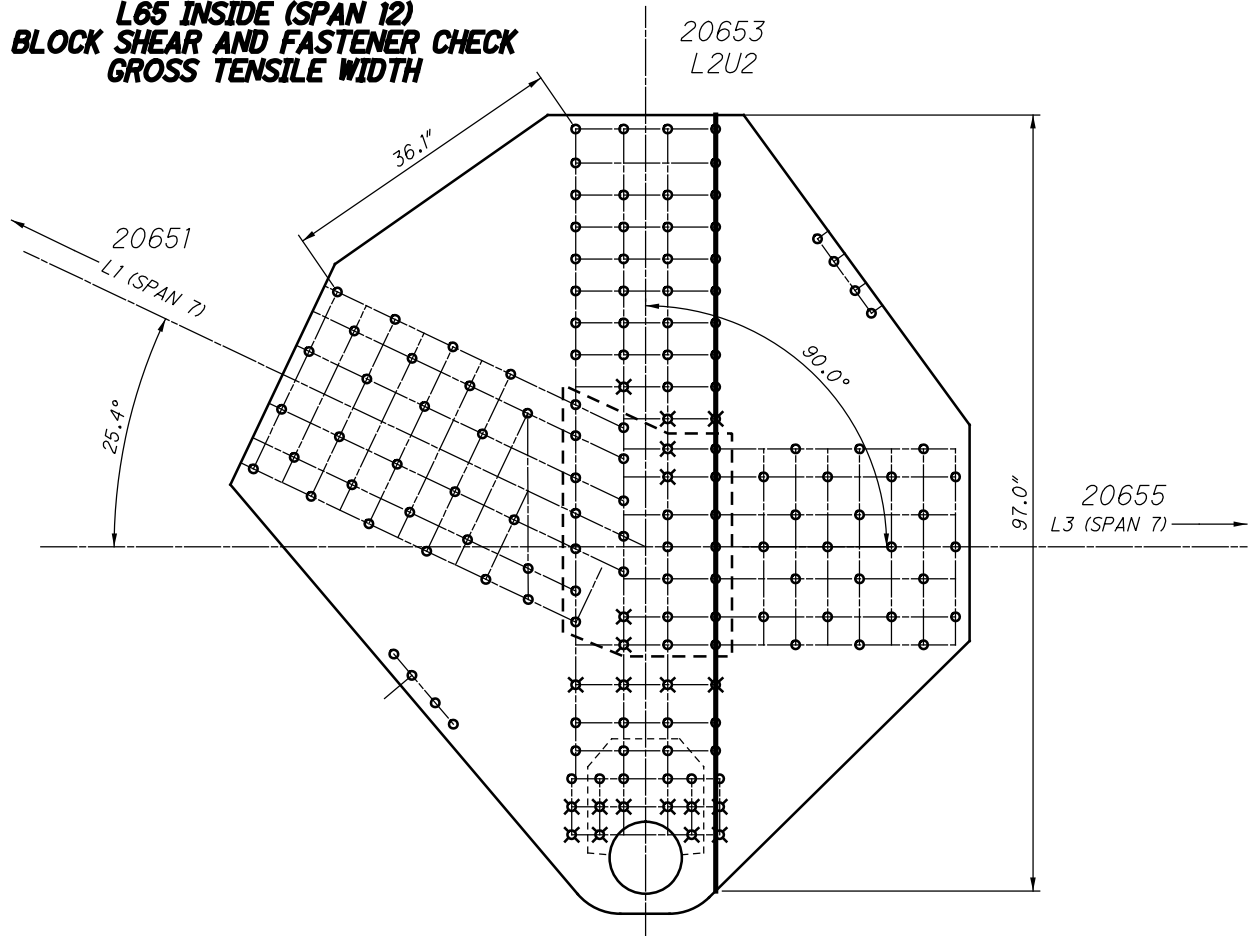
22065 AND 32065

39 RIVETS
 $\times 2$ PLATES
= 78 RIVETS

38 RIVETS
 $\times 2$ PLATES
= 76 RIVETS

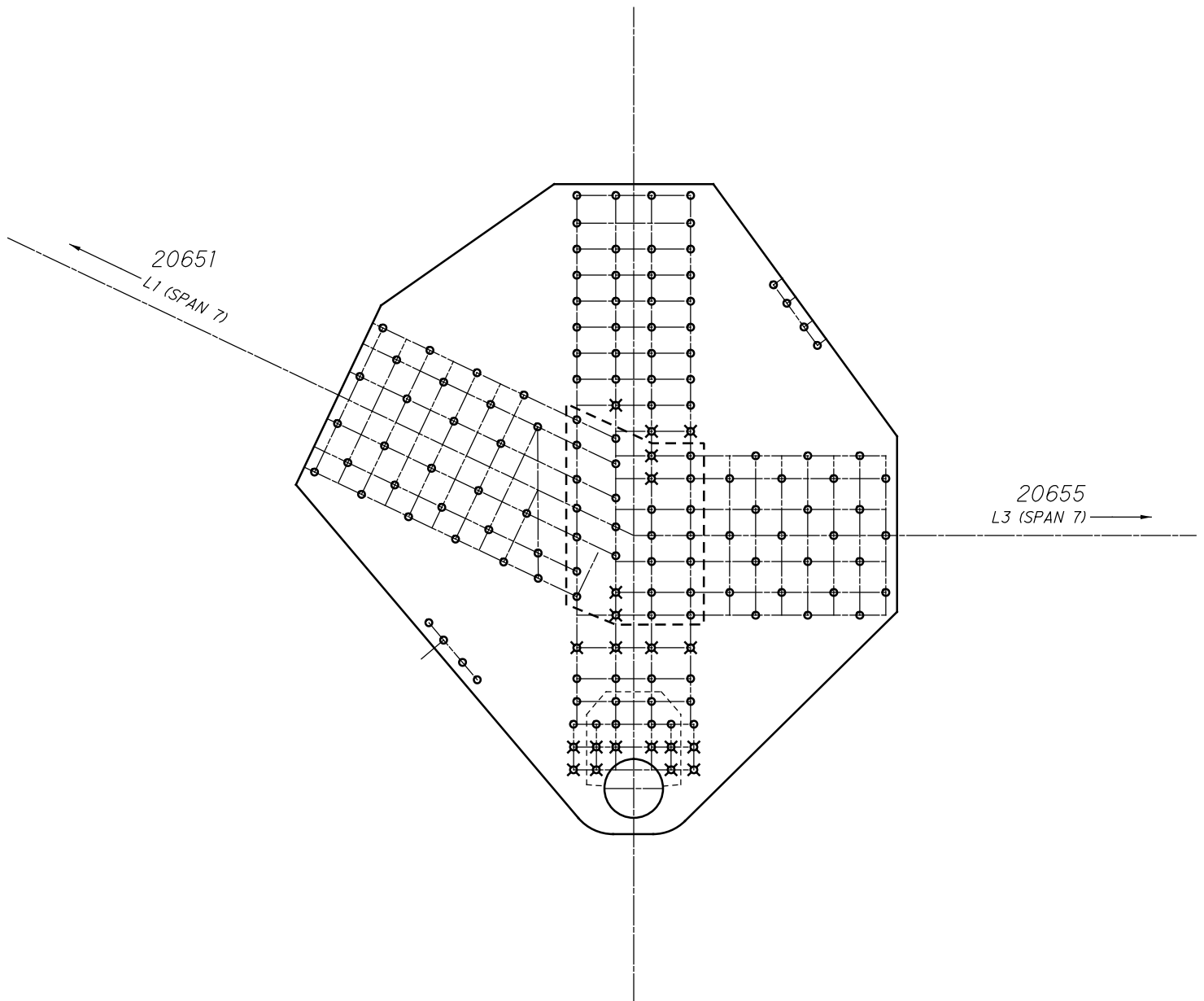


**L65 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



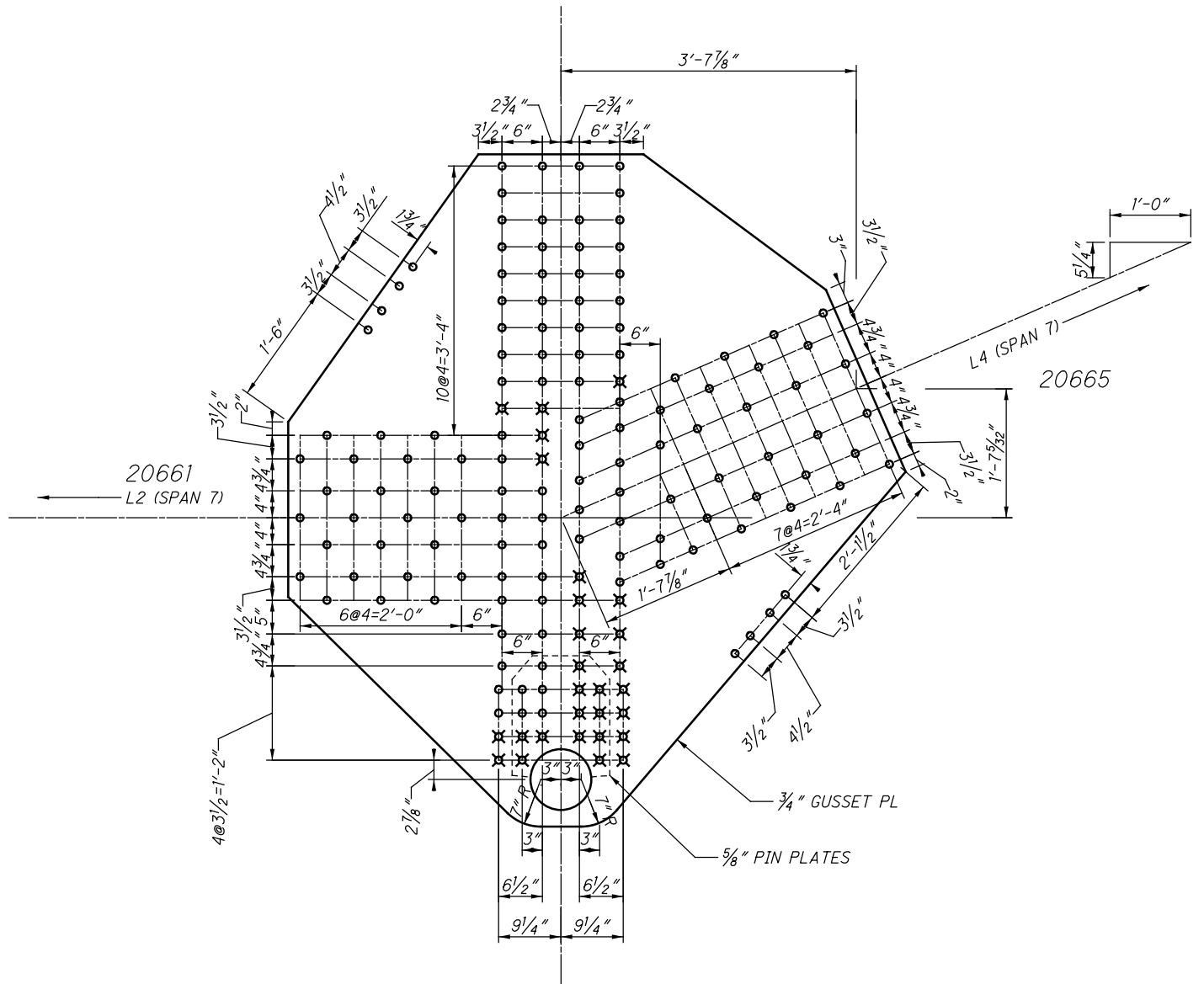
**L65 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

20653
L2U2



**L65 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

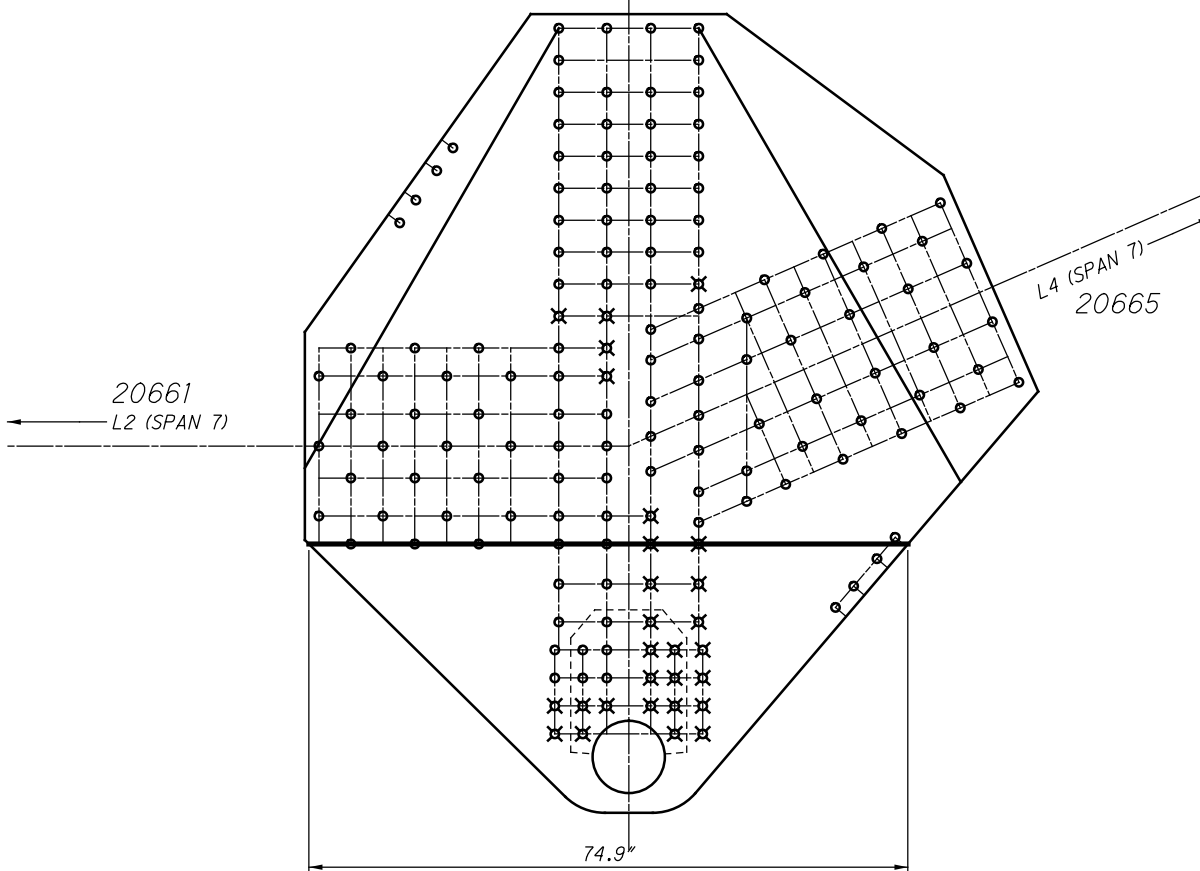
20663
L3U3



L66 INSIDE (SPAN 12)

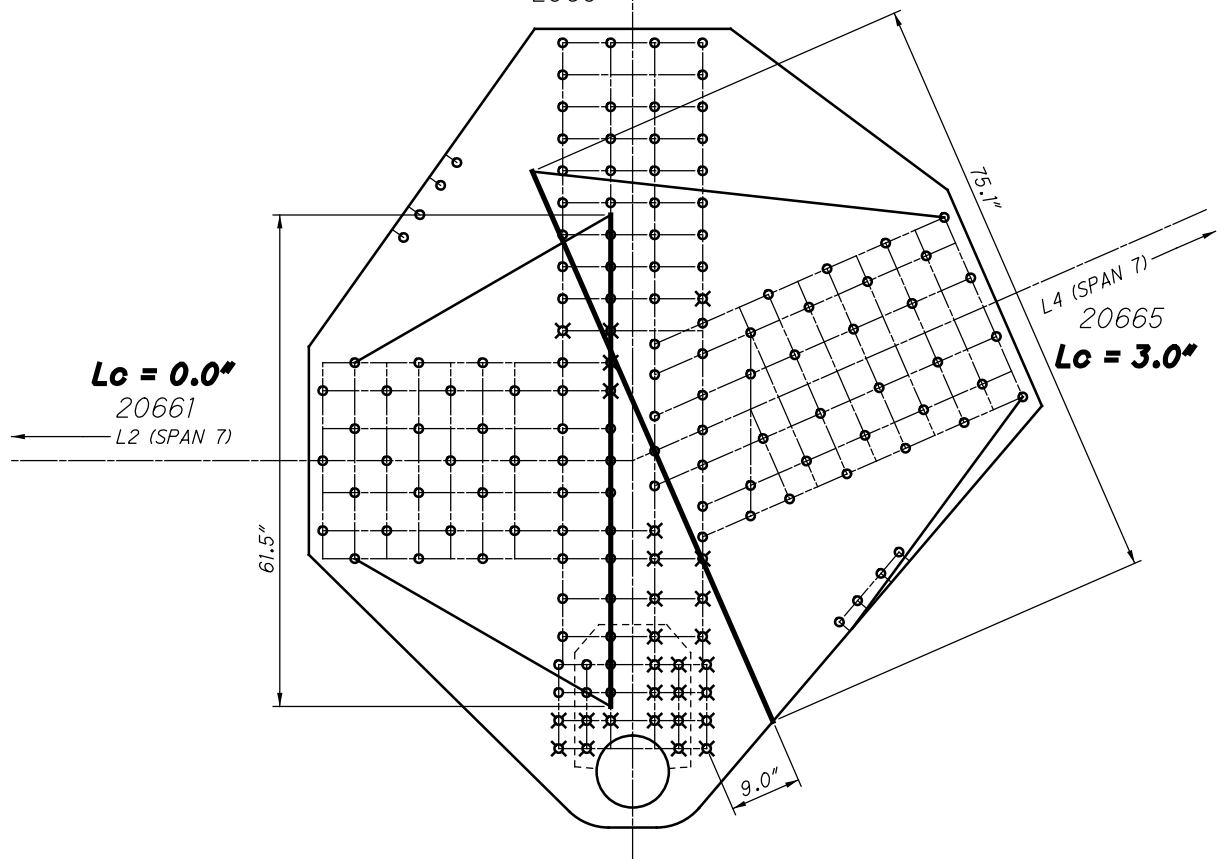
20663
L3U3

22066 AND 32066



**L66 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20663
L3U3



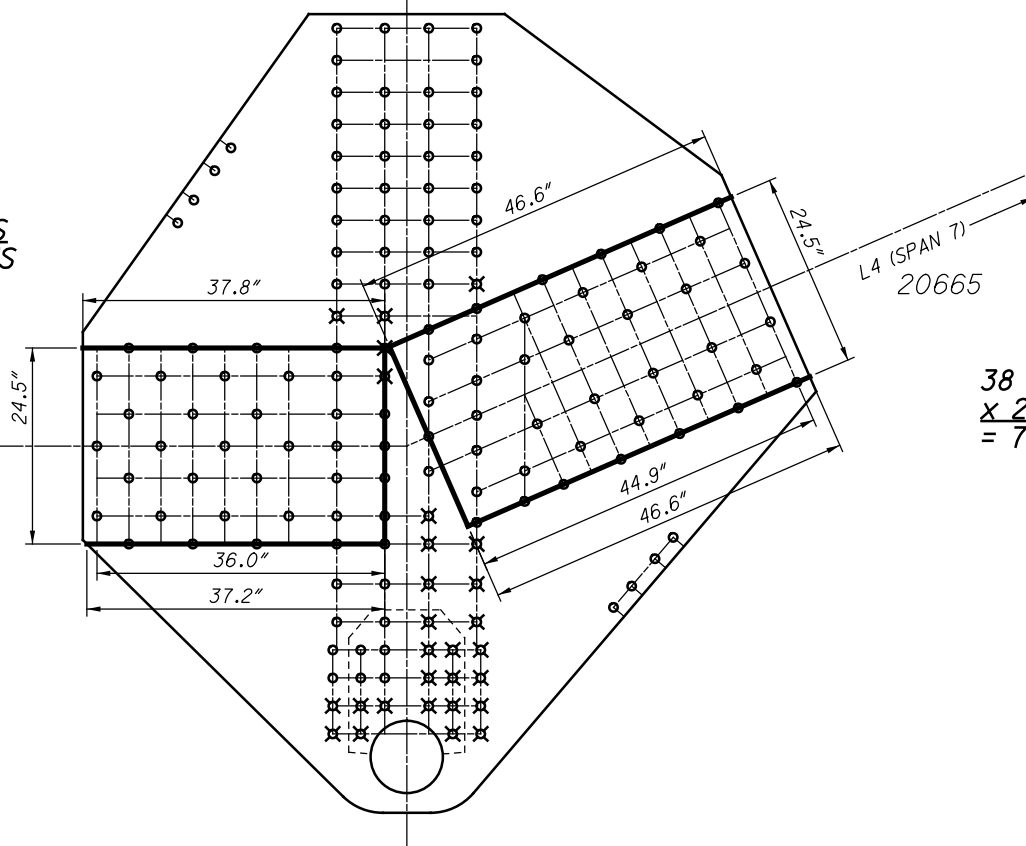
**L66 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20663
L3U3

22066 AND 32066

38 RIVETS
X 2 PLATES
= 76 RIVETS

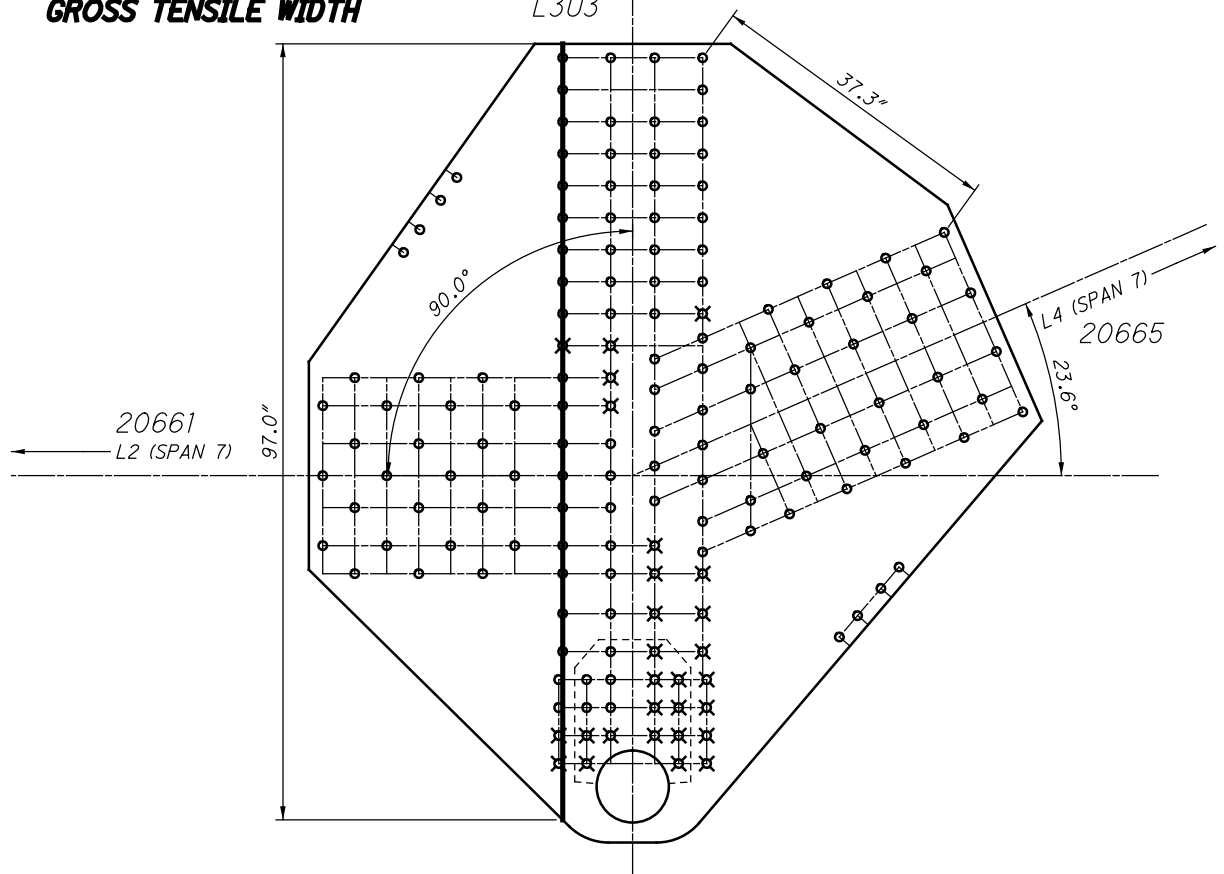
20661
L2 (SPAN 7)



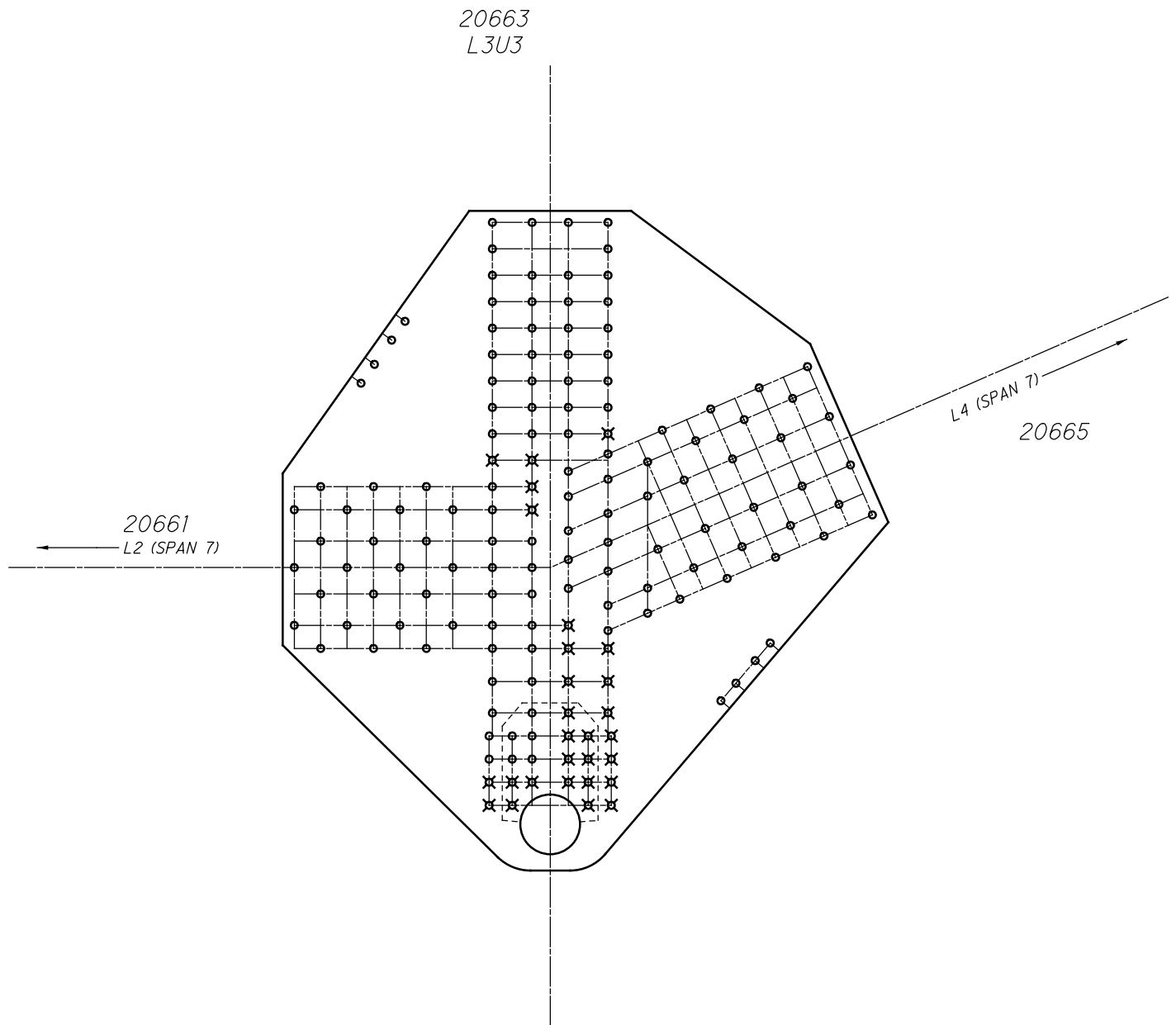
38 RIVETS
X 2 PLATES
= 76 RIVETS

**L66 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

20663
L3U3



**L66 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



**L66 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

20673
L4U4

20672
L4U3

20675
5 (SPAN 7)

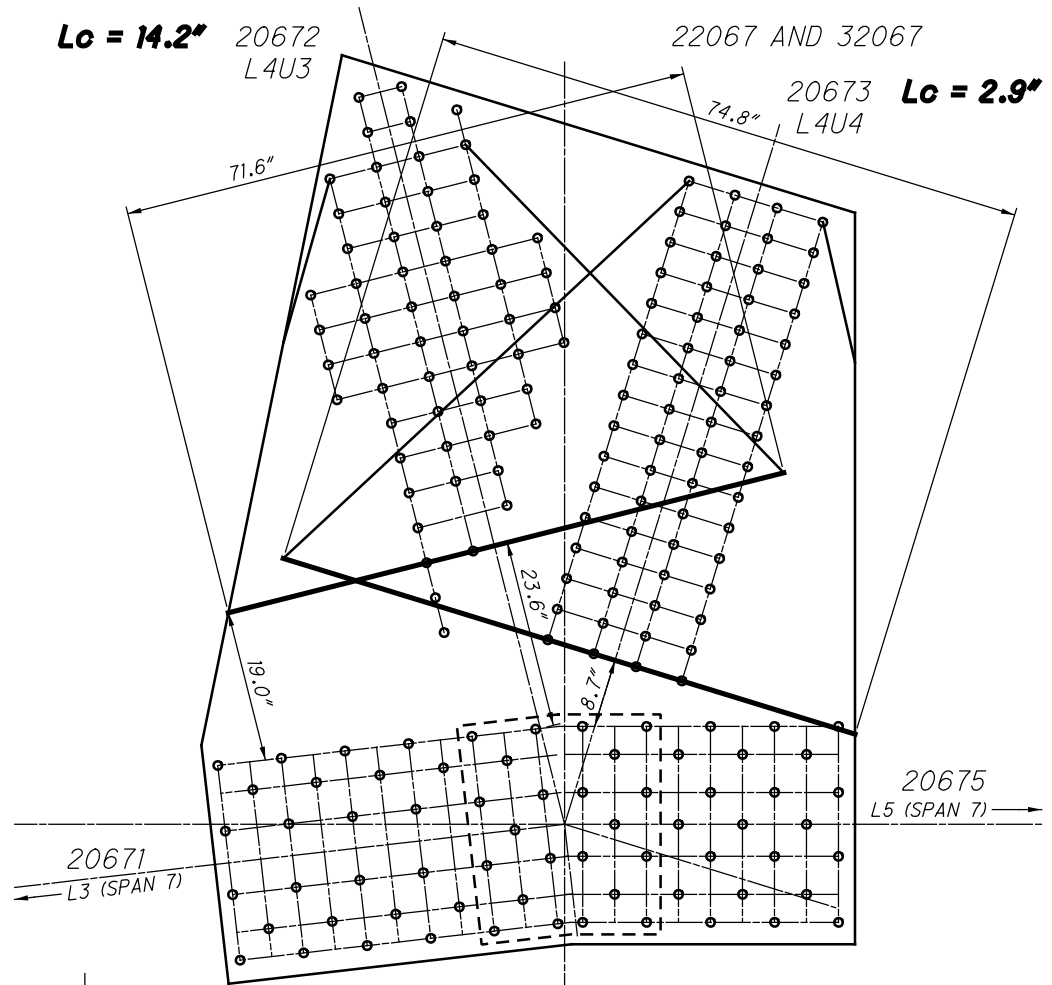
20671
-L3 (SPAN 7)

L67 INSIDE (SPAN 12)

$L_c = 14.2''$ 20672
L4U3

22067 AND 32067

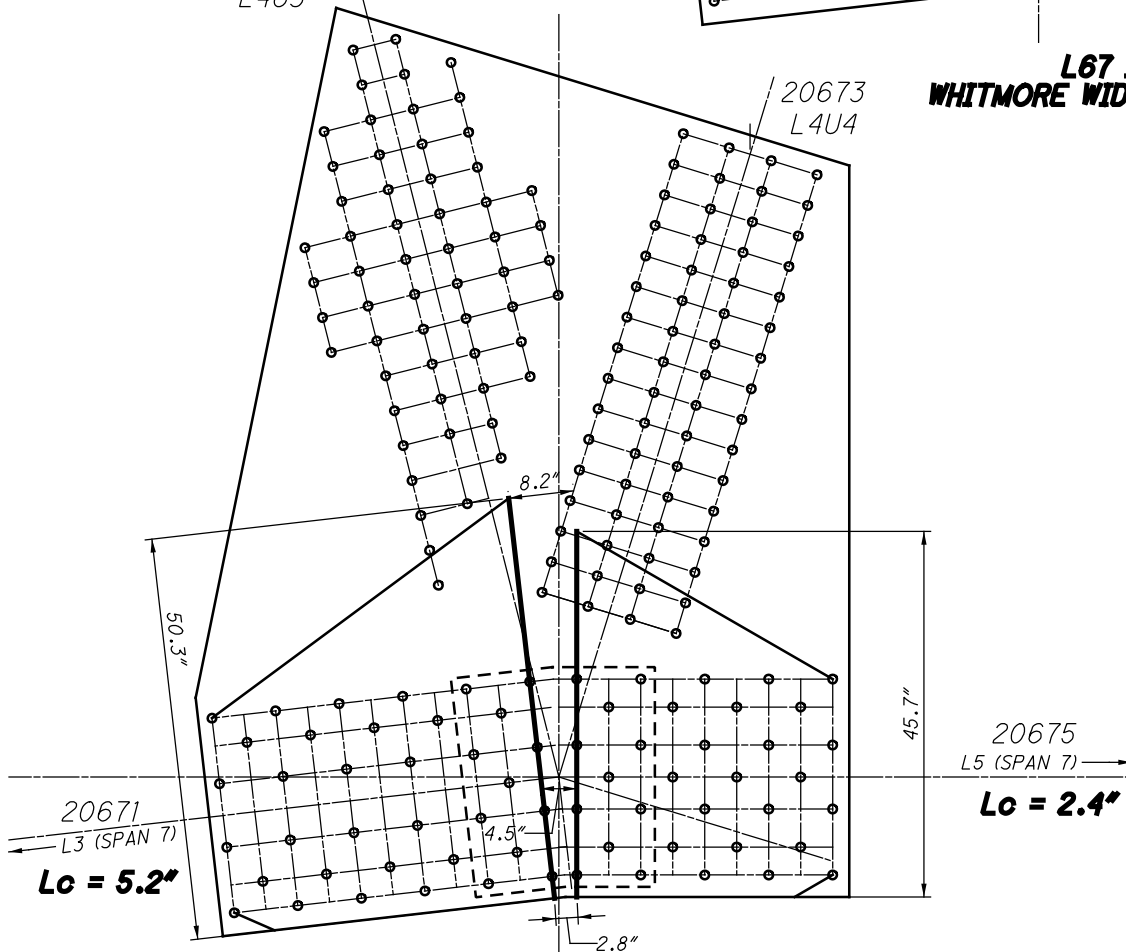
20673 **$L_c = 2.9''$**
L4U4



**L67 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20672
L4U3

20673
L4U4



$L_c = 5.2''$

$L_c = 2.4''$

**L67 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20672
L4U3

22067 AND 32067
20673
L4U4
64 RIVETS
 $\times 2 \text{ PLATES}$
= 128 RIVETS

48 RIVETS
 $\times 2 \text{ PLATES}$
= 96 RIVETS

35 RIVETS
 $\times 2 \text{ PLATES}$
= 70 RIVETS

11 SPLICE \bar{P}
 $\times 2 \text{ PLATES}$
= 22 RIVETS

32 RIVETS
 $\times 2 \text{ PLATES}$
= 64 RIVETS

20675
L5 (SPAN 7)

20671
L3 (SPAN 7)

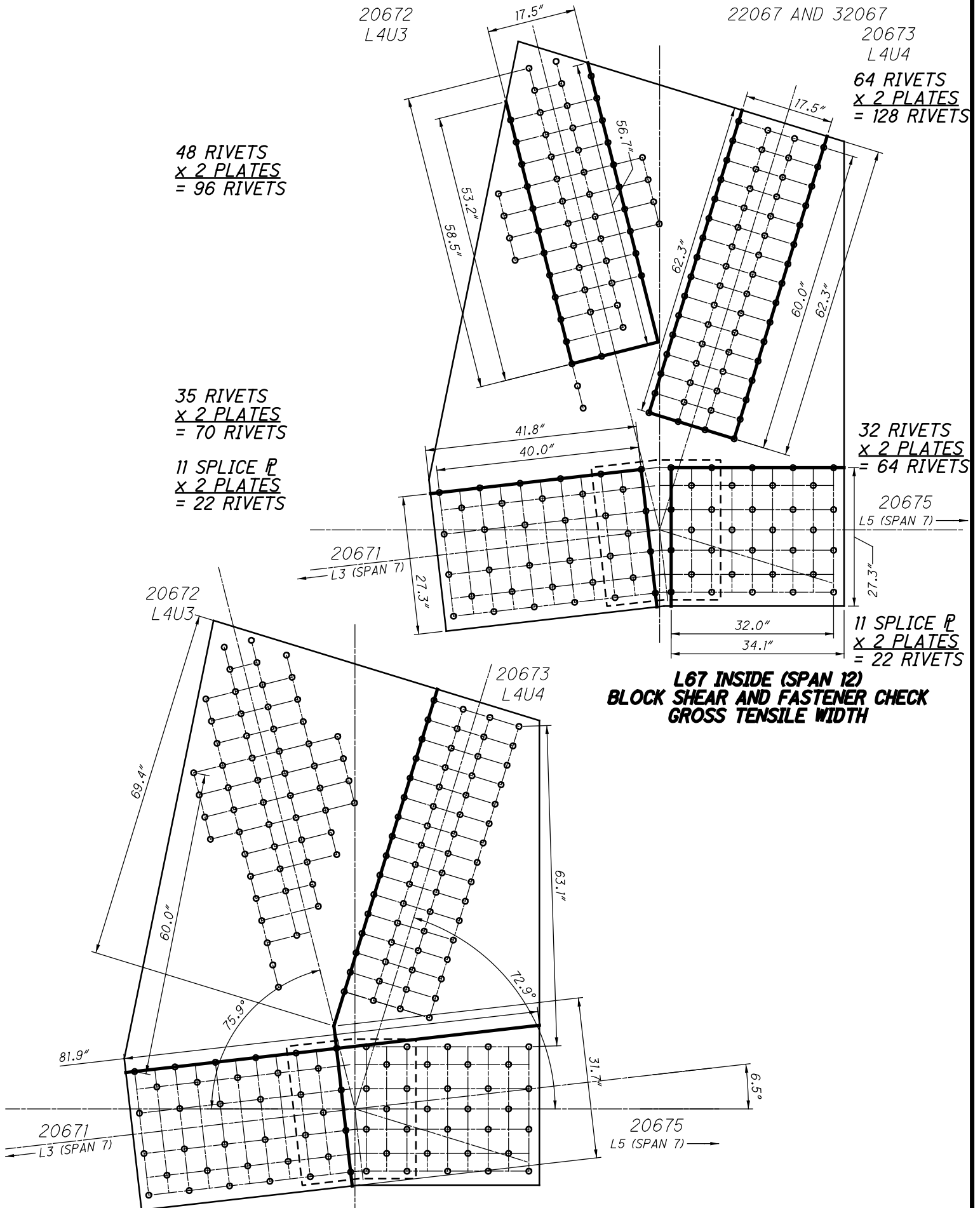
11 SPLICE \bar{P}
 $\times 2 \text{ PLATES}$
= 22 RIVETS

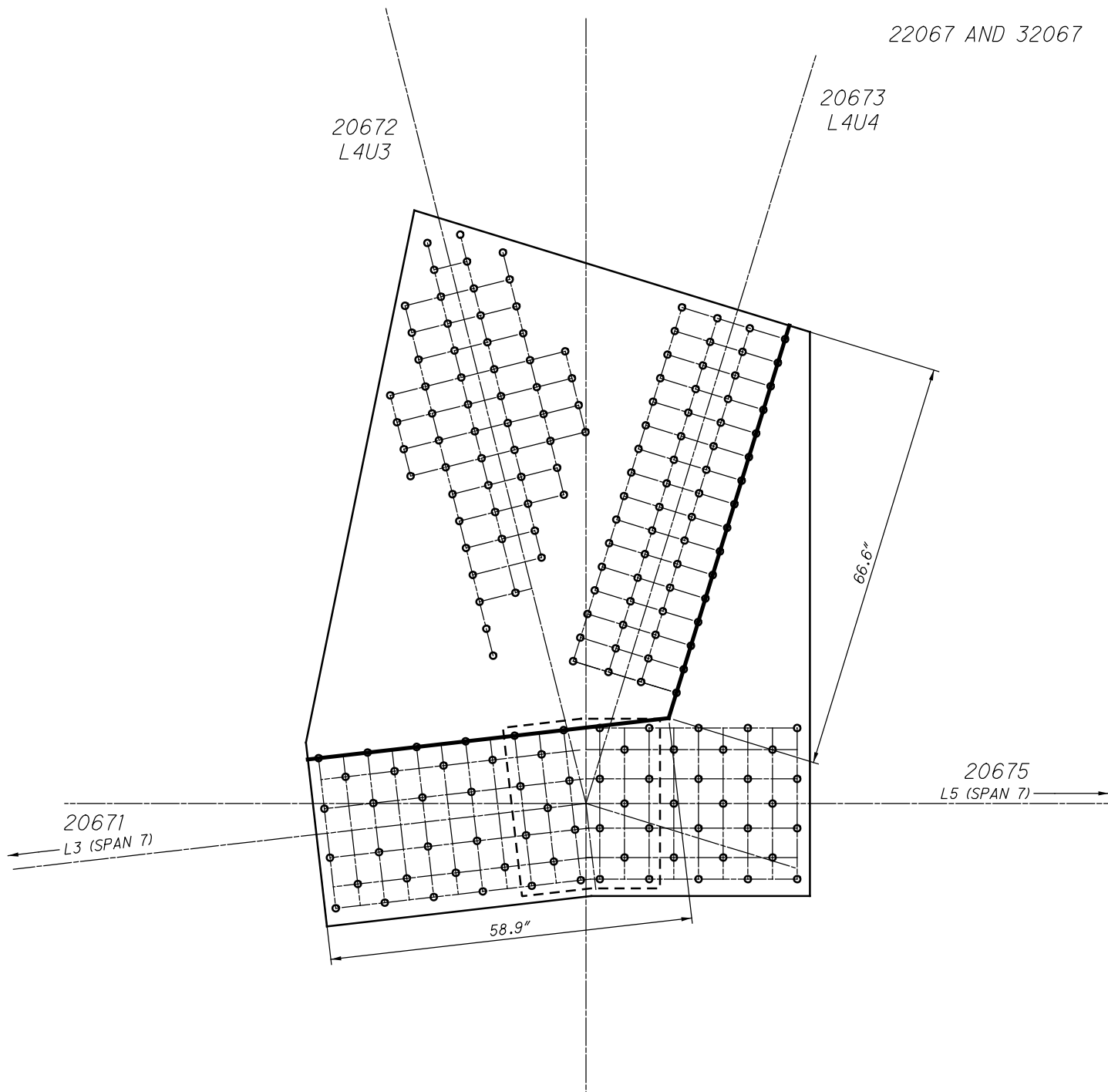
**L67 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

20672
L4U3

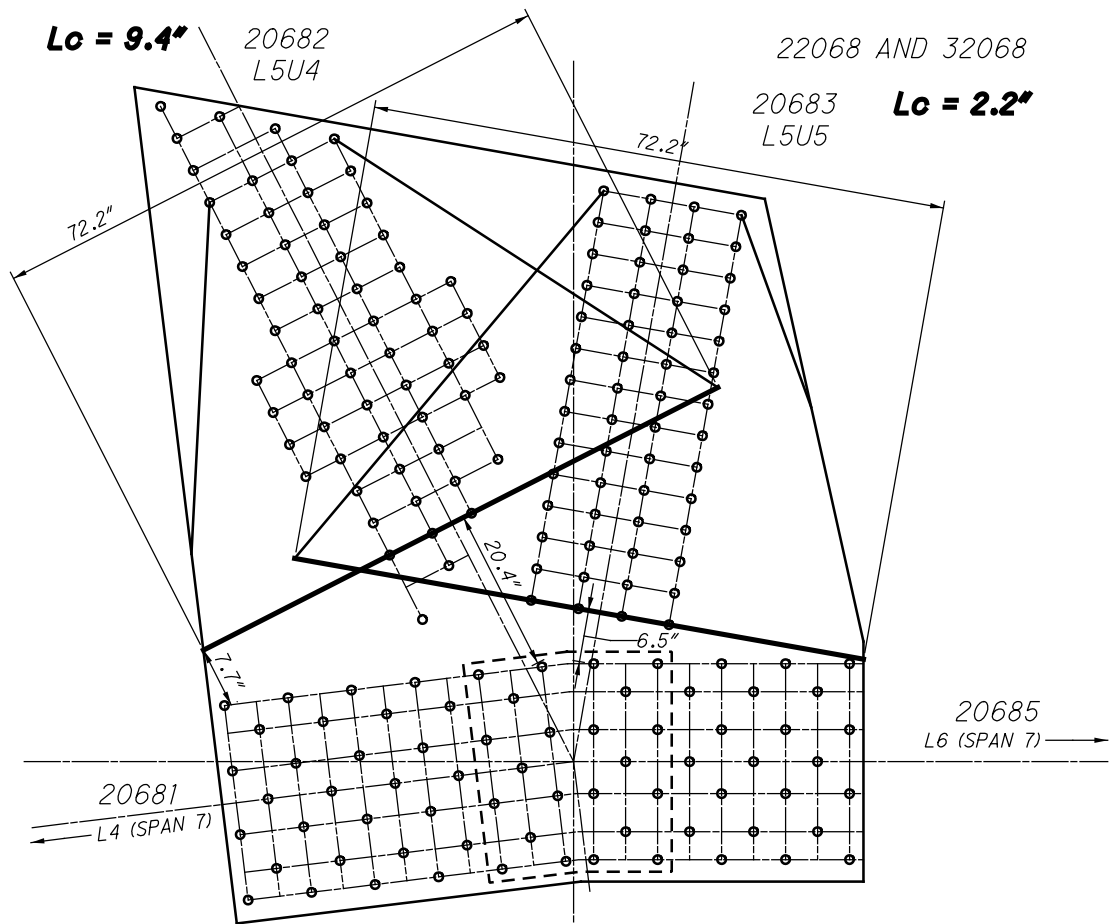
20673
L4U4

**L67 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

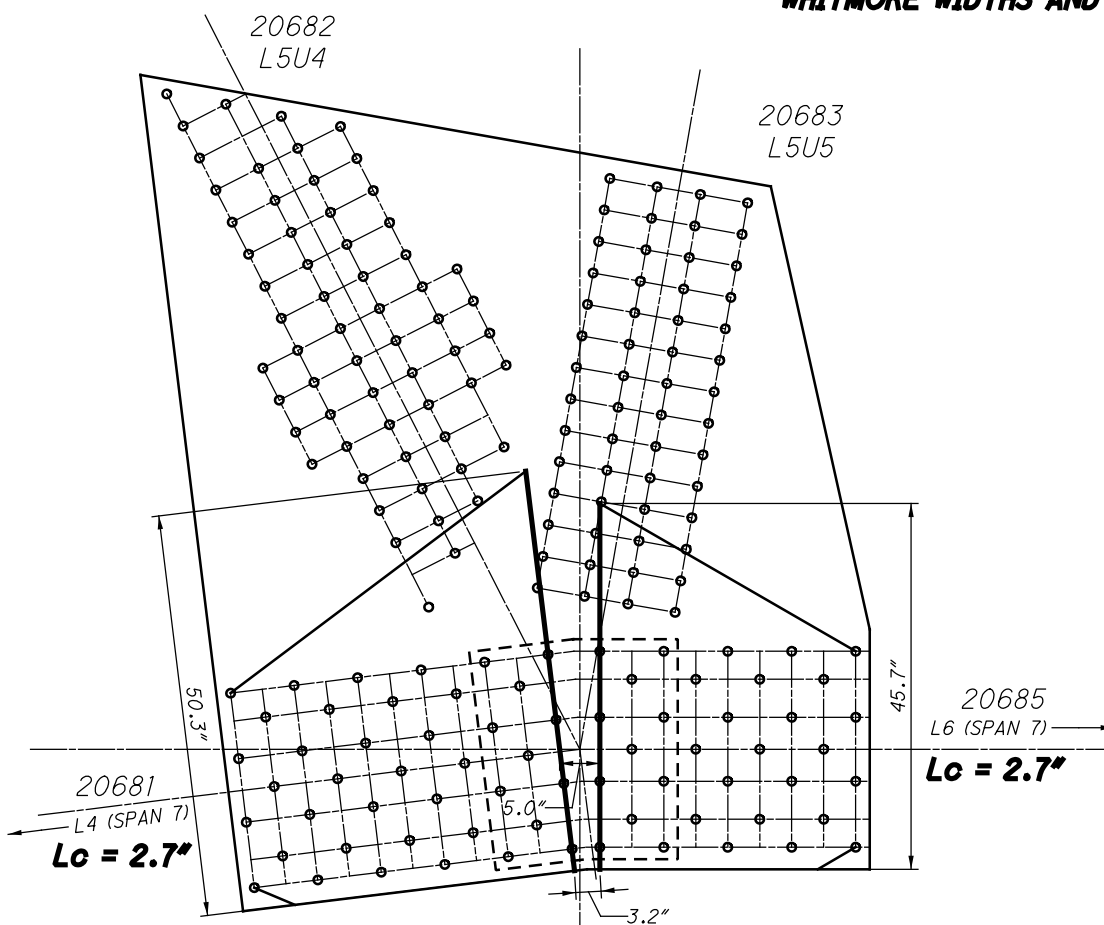




**L67 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



**L68 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L68 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

51 RIVETS
 $\times 2 \text{ PLATES}$
 = 102 RIVETS

39 RIVETS
 $\times 2 \text{ PLATES}$
 = 78 RIVETS

11 SPLICE \bar{P}
 $\times 2 \text{ PLATES}$
 = 22 RIVETS

22068 AND 32068

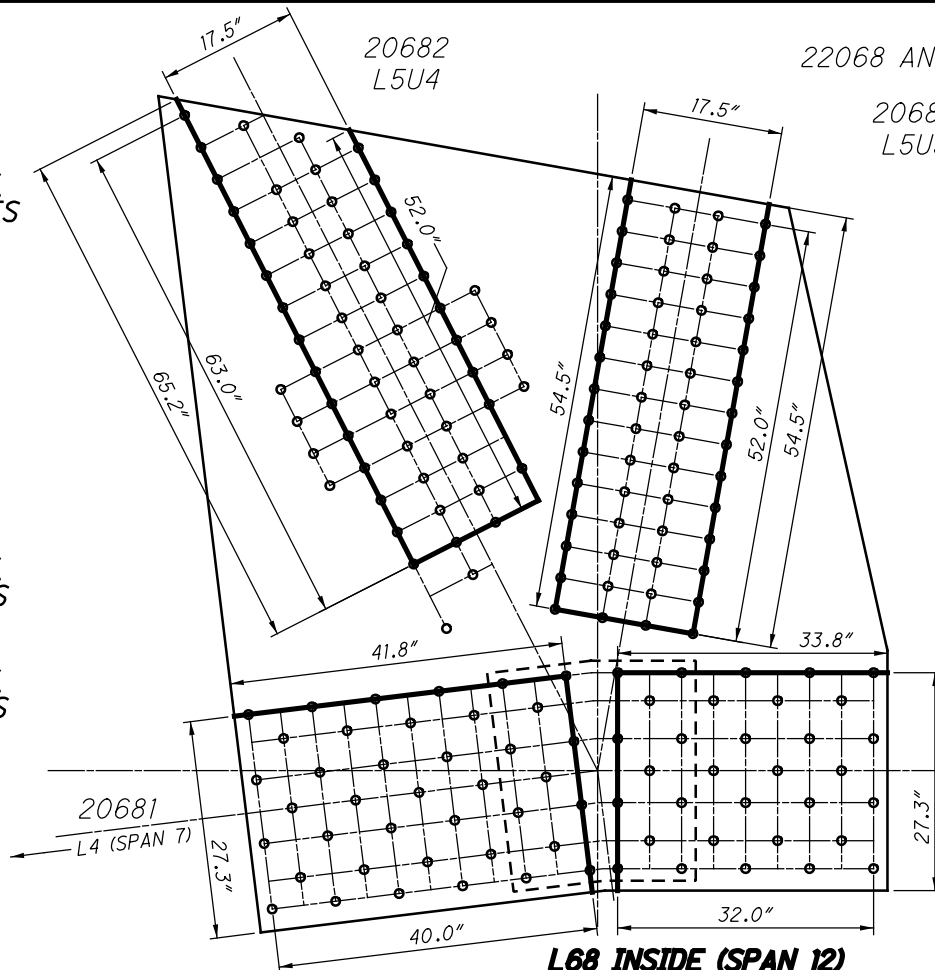
20683
 L5U5

56 RIVETS
 $\times 2 \text{ PLATES}$
 = 112 RIVETS

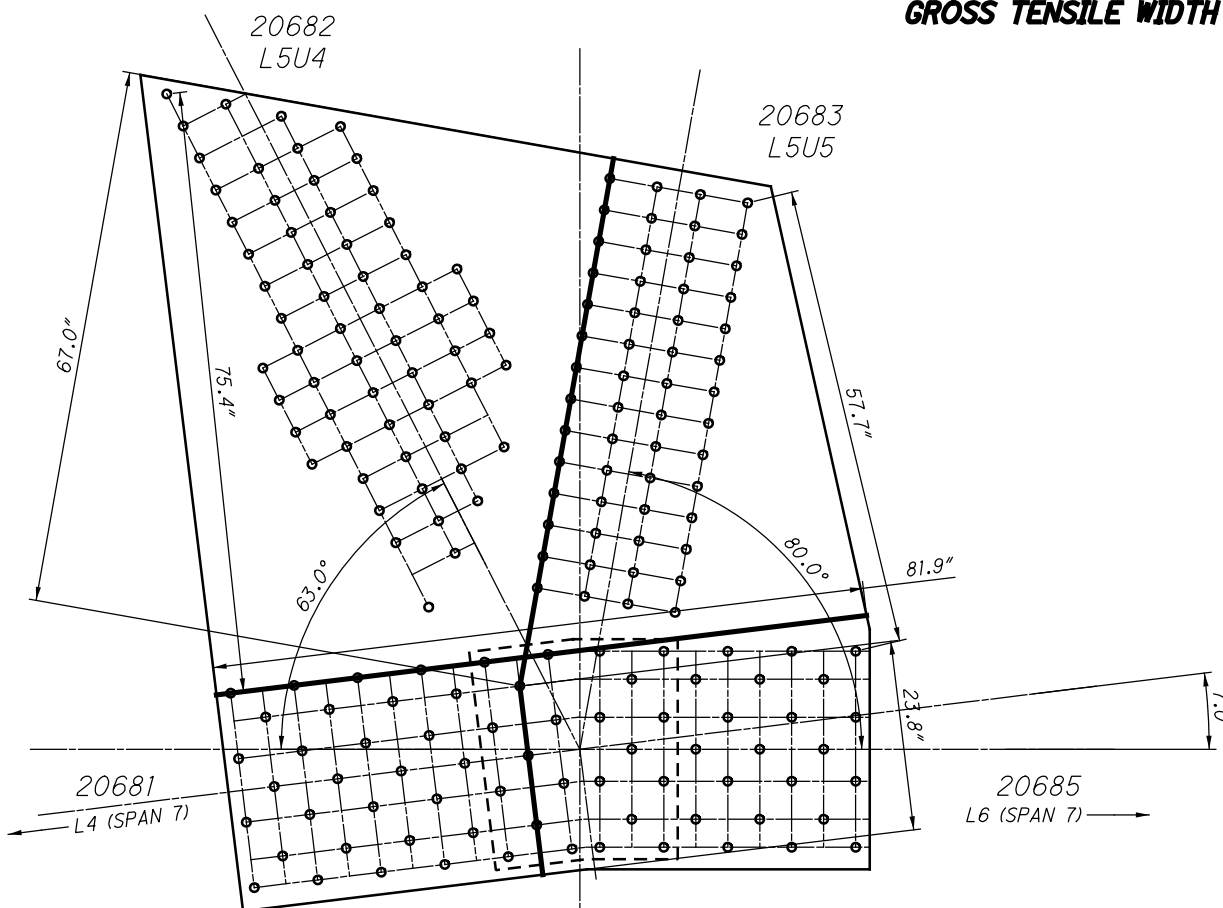
32 RIVETS
 $\times 2 \text{ PLATES}$
 = 64 RIVETS

11 SPLICE \bar{P}
 $\times 2 \text{ PLATES}$
 = 22 RIVETS

20685
 L6 (SPAN 7)



**L68 INSIDE (SPAN 12)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

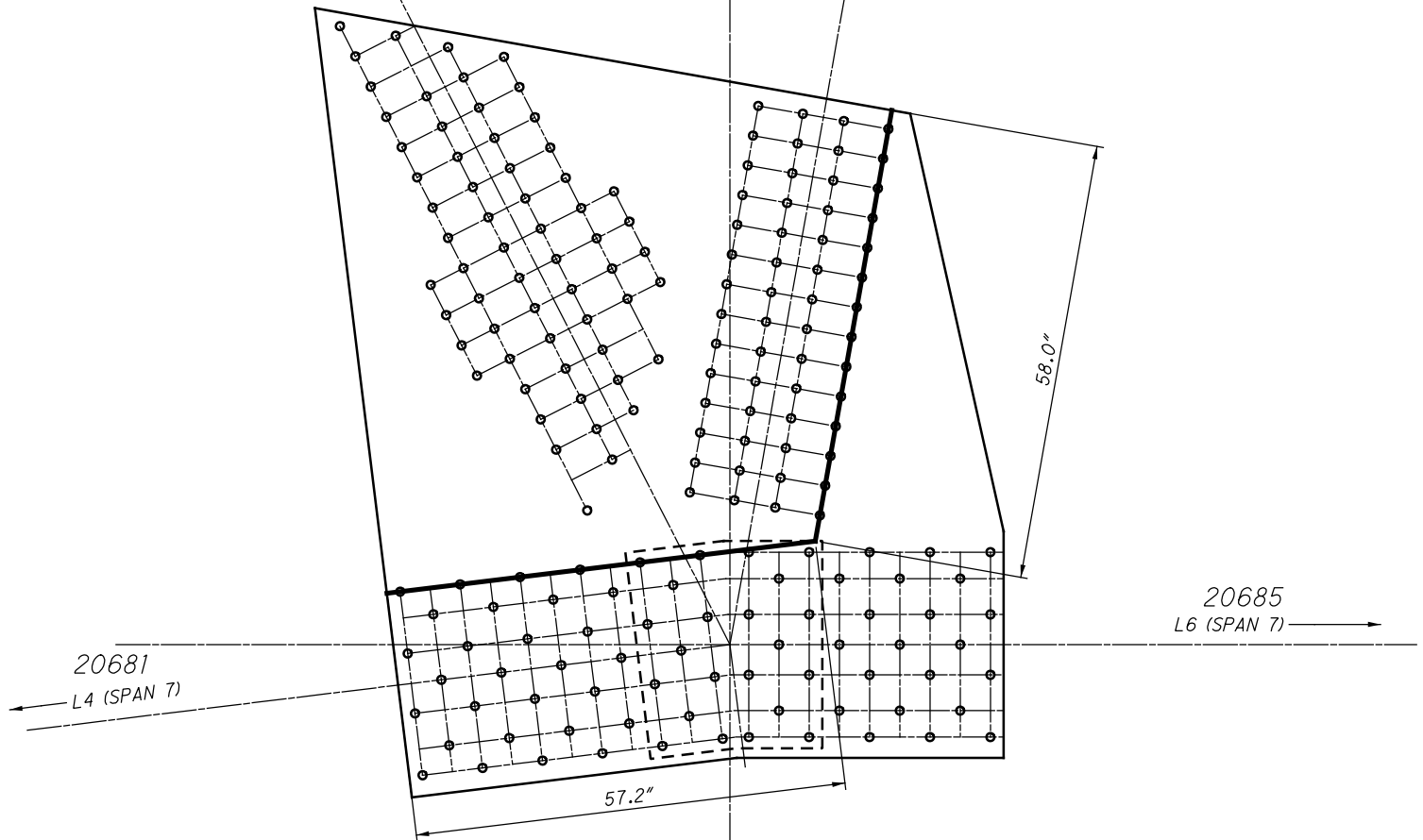


**L68 INSIDE (SPAN 12)
 SHEAR AND FREE EDGE CHECK**

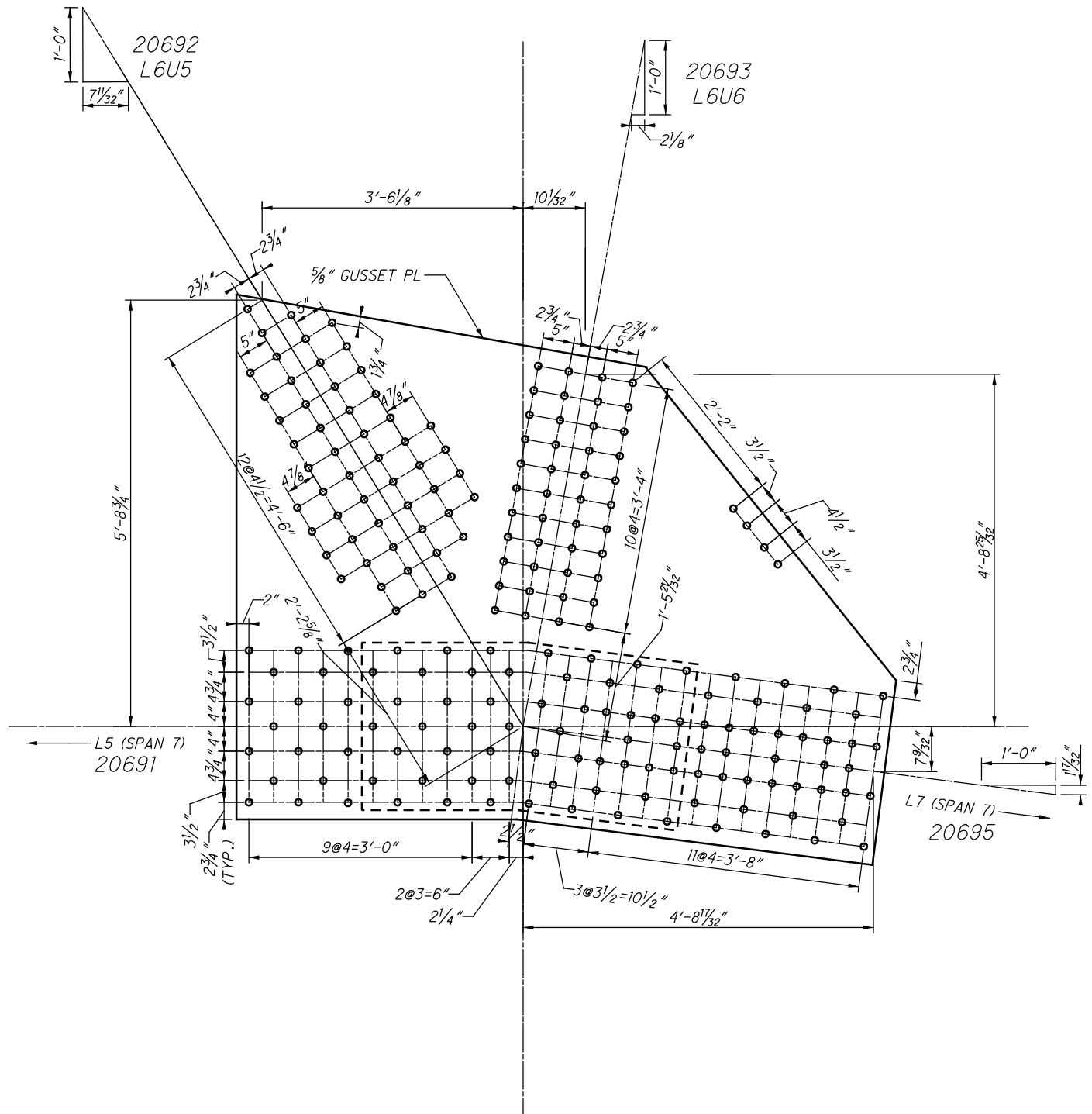
20682
L5U4

20683
L5U5

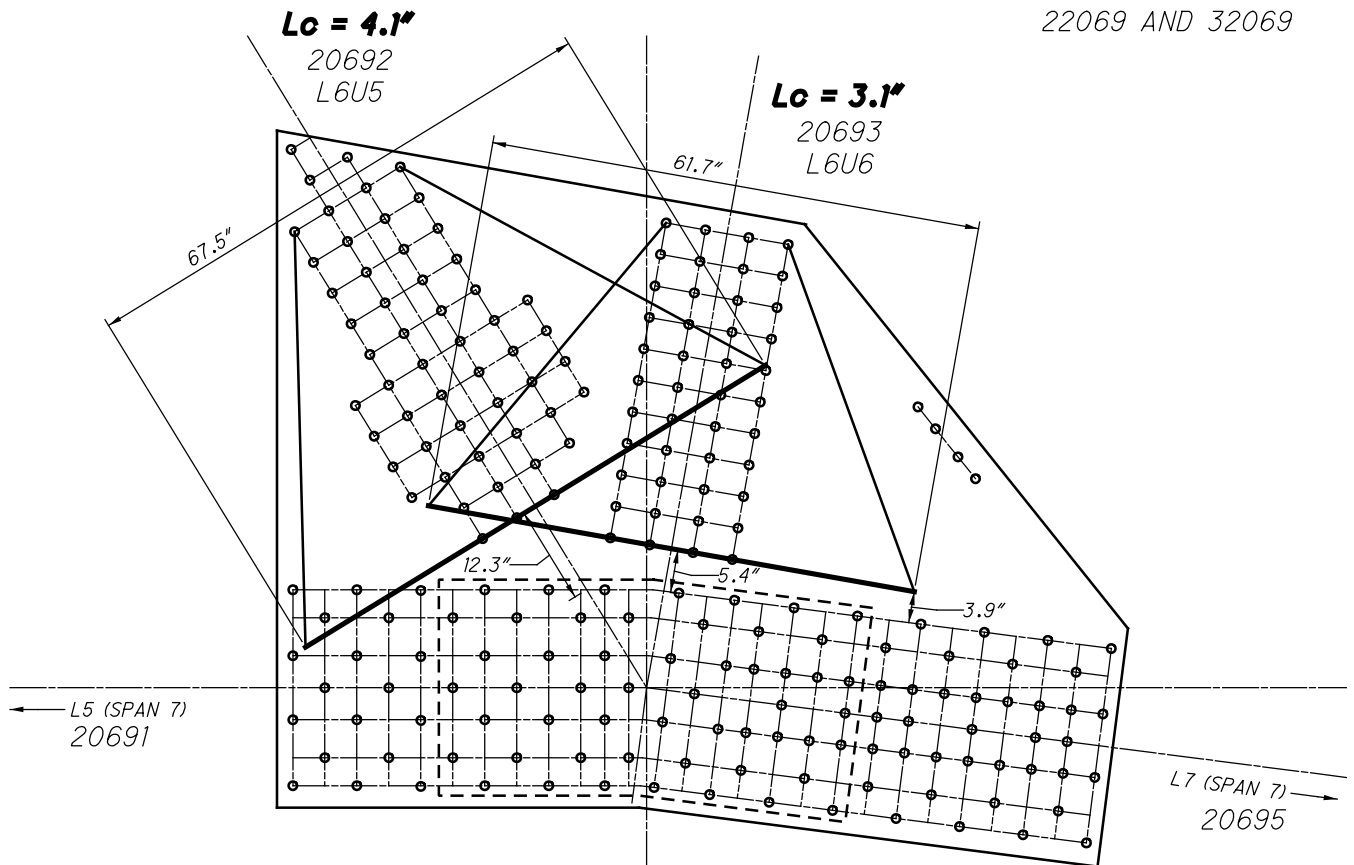
22068 AND 32068



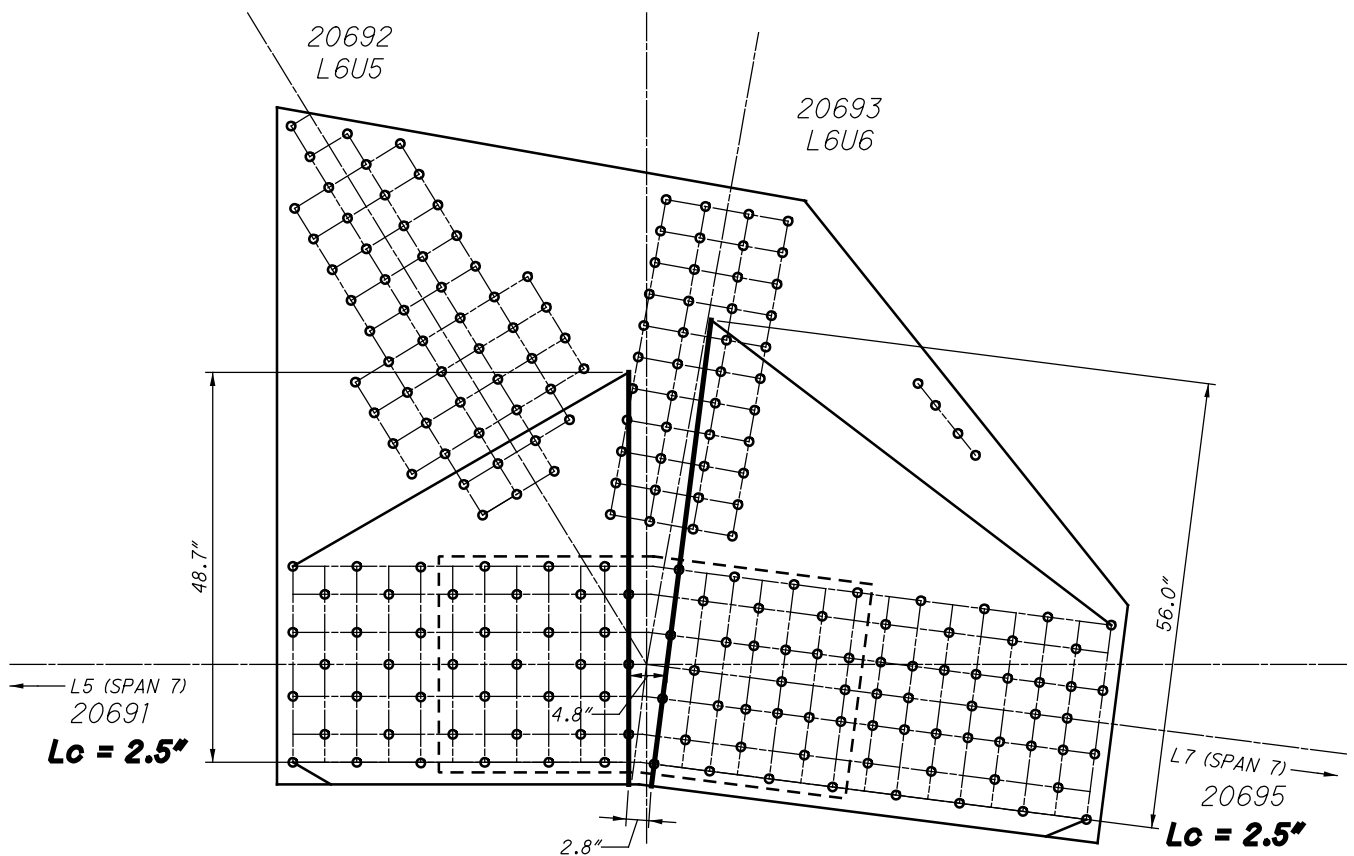
**L68 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



L69 INSIDE (SPAN 12)



**L69 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L69 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

46 RIVETS
 $\times 2$ PLATES
 = 92 RIVETS

42 RIVETS
 $\times 2$ PLATES
 = 84 RIVETS

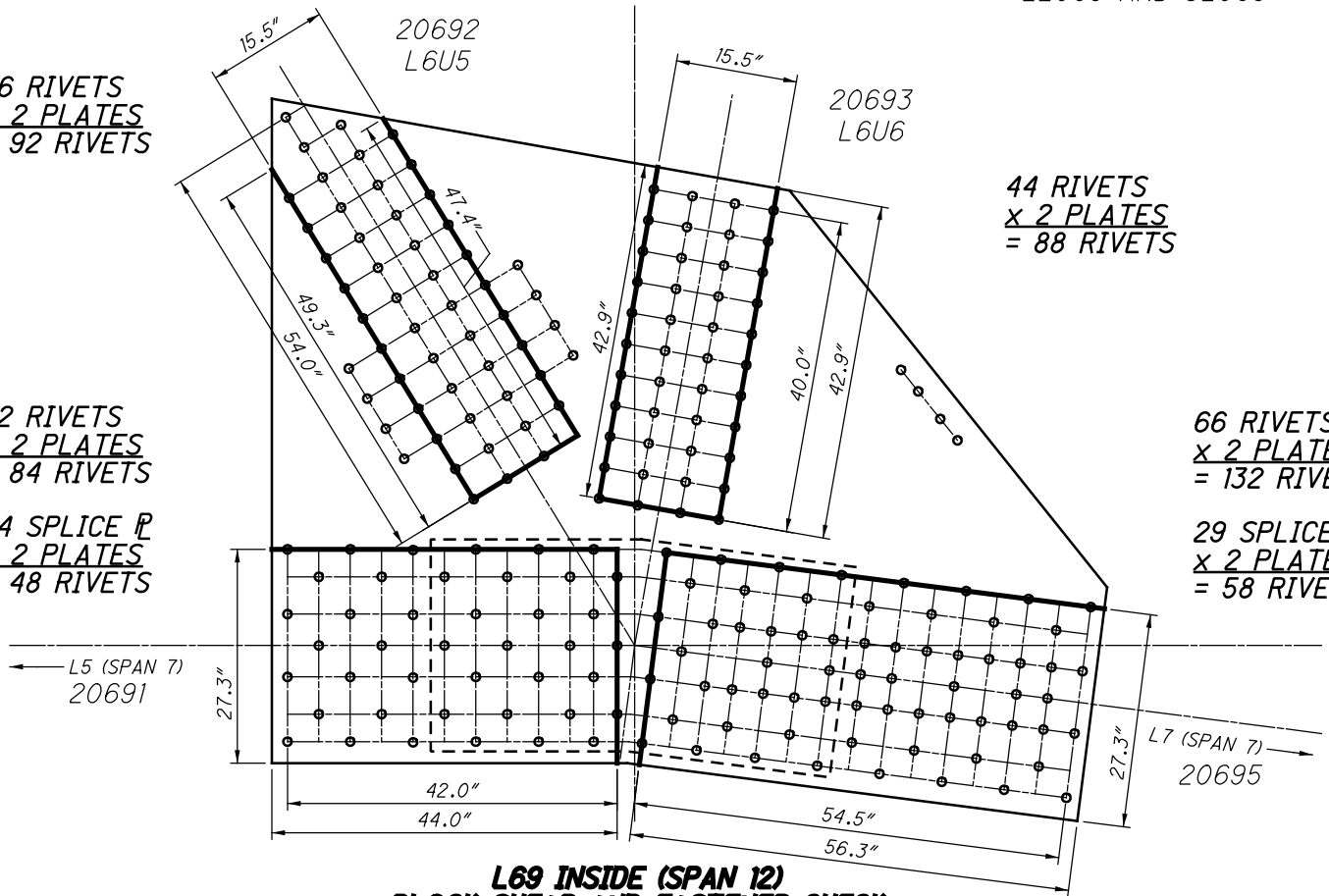
24 SPLICE P
 $\times 2$ PLATES
 = 48 RIVETS

20693
 L6U6

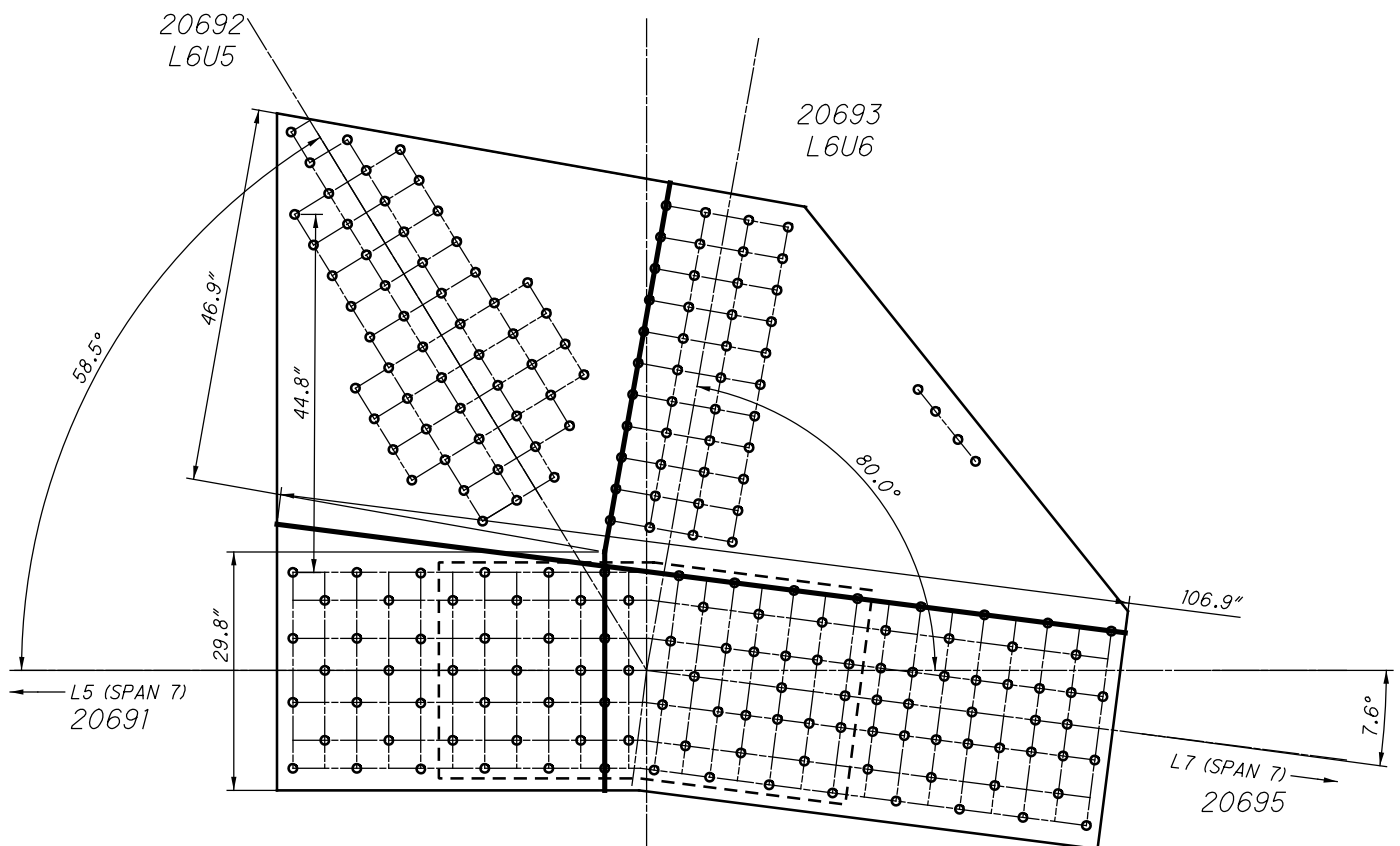
44 RIVETS
 $\times 2$ PLATES
 = 88 RIVETS

66 RIVETS
 $\times 2$ PLATES
 = 132 RIVETS

29 SPLICE P
 $\times 2$ PLATES
 = 58 RIVETS



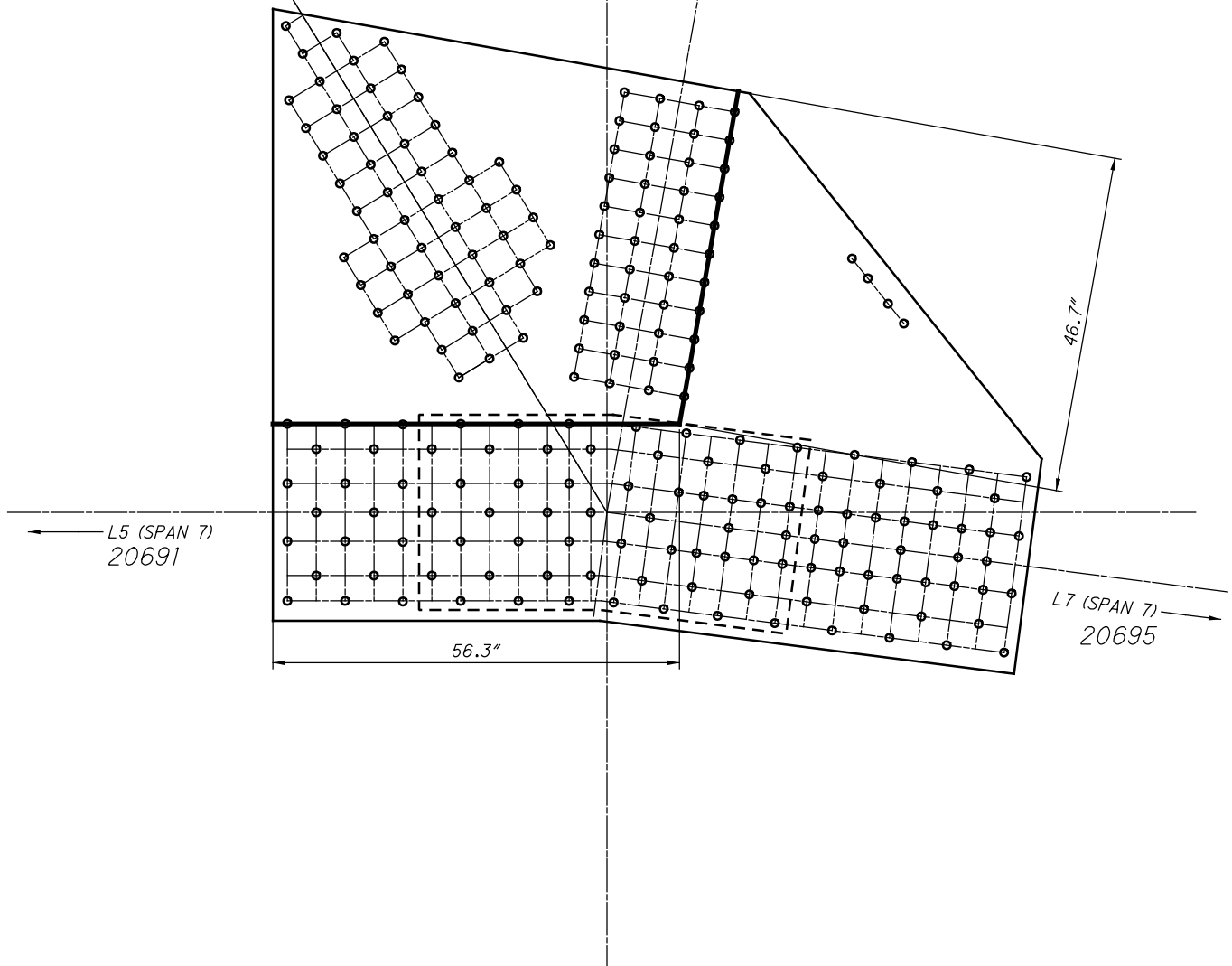
**L69 INSIDE (SPAN 12)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**



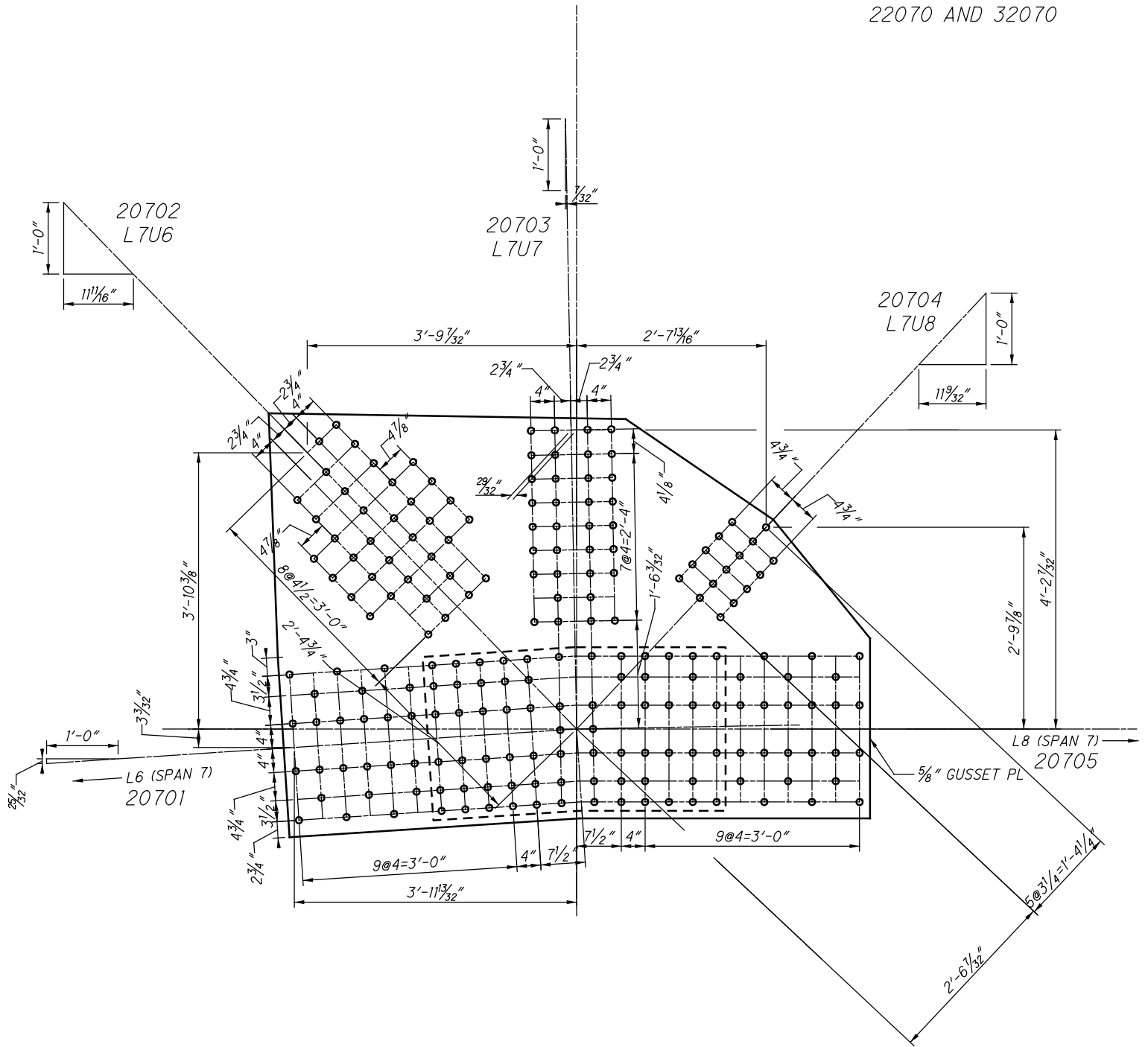
**L69 INSIDE (SPAN 12)
 SHEAR AND FREE EDGE CHECK**

20692
L6U5

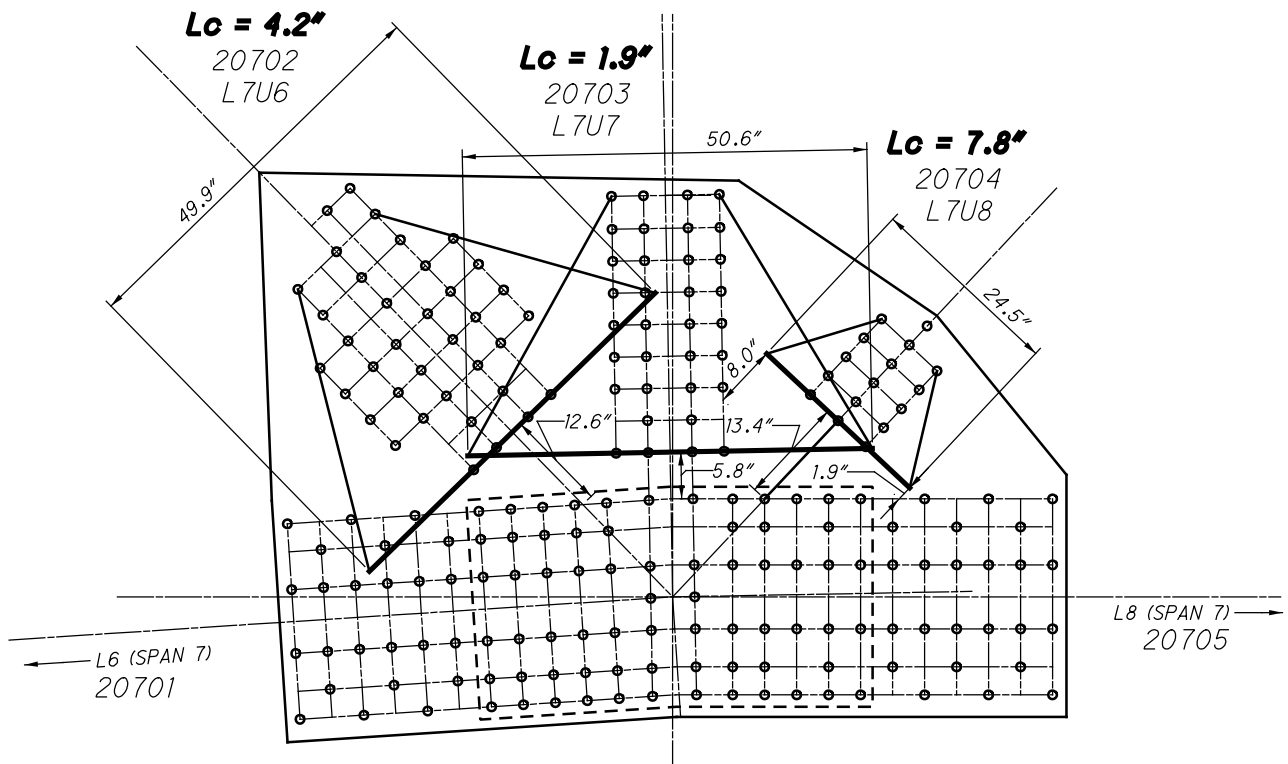
20693
L6U6



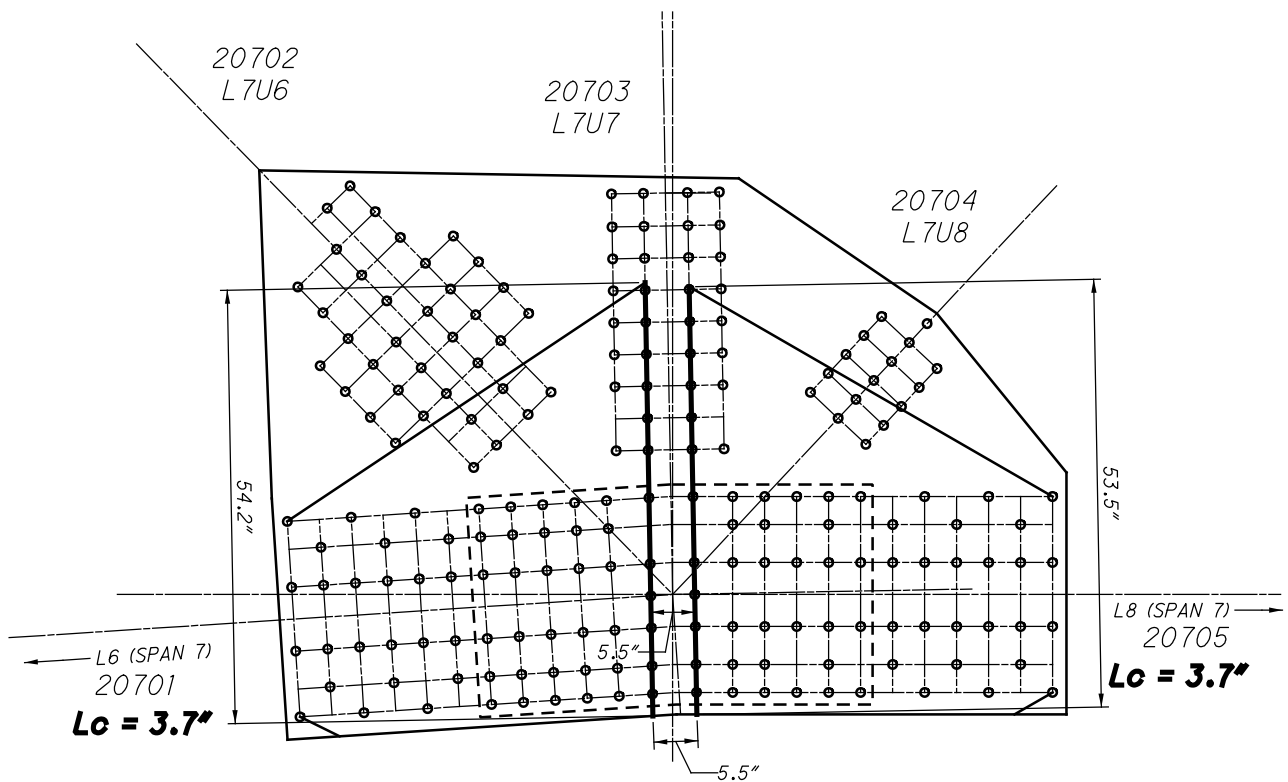
**L69 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



L70 INSIDE (SPAN 12)



**L70 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L70 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

29 RIVETS
x 2 PLATES
= 58 RIVETS

60 RIVETS
x 2 PLATES
= 120 RIVETS

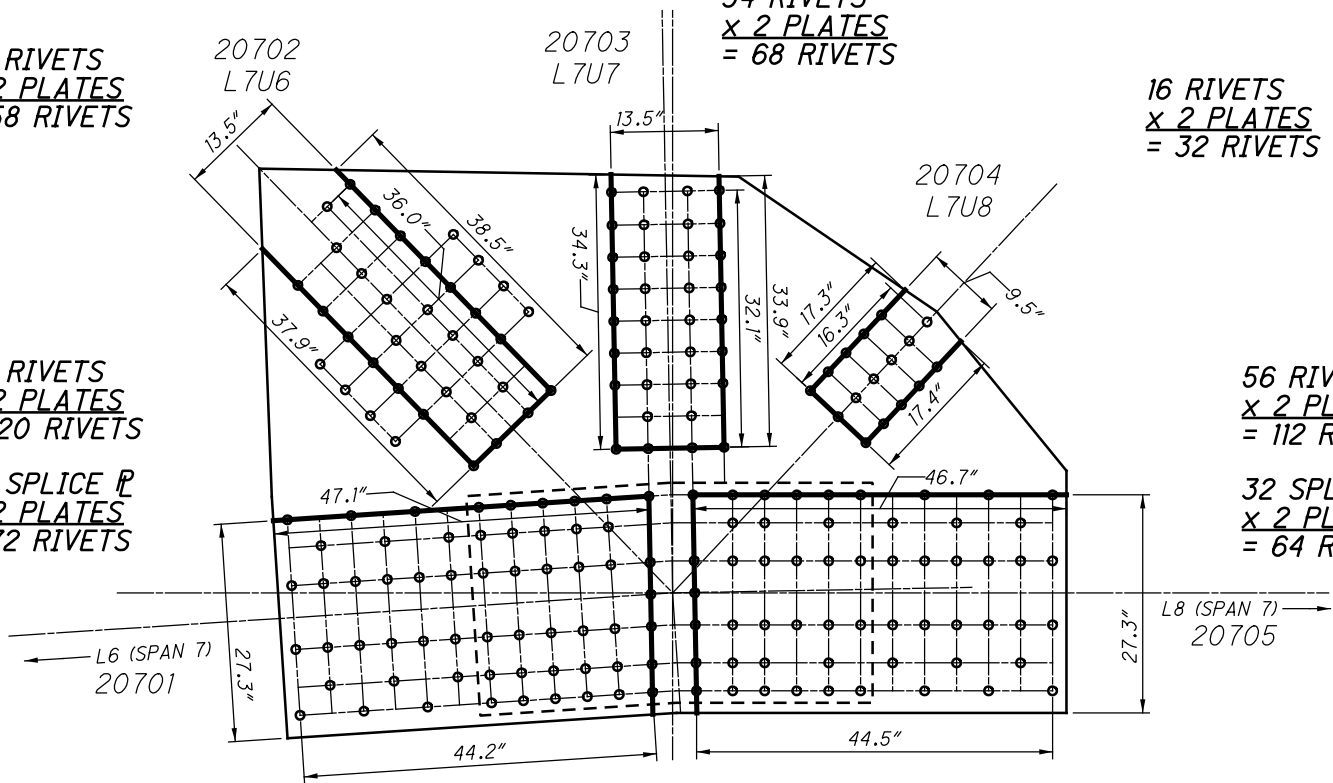
36 SPLICE P
x 2 PLATES
= 72 RIVETS

34 RIVETS
x 2 PLATES
= 68 RIVETS

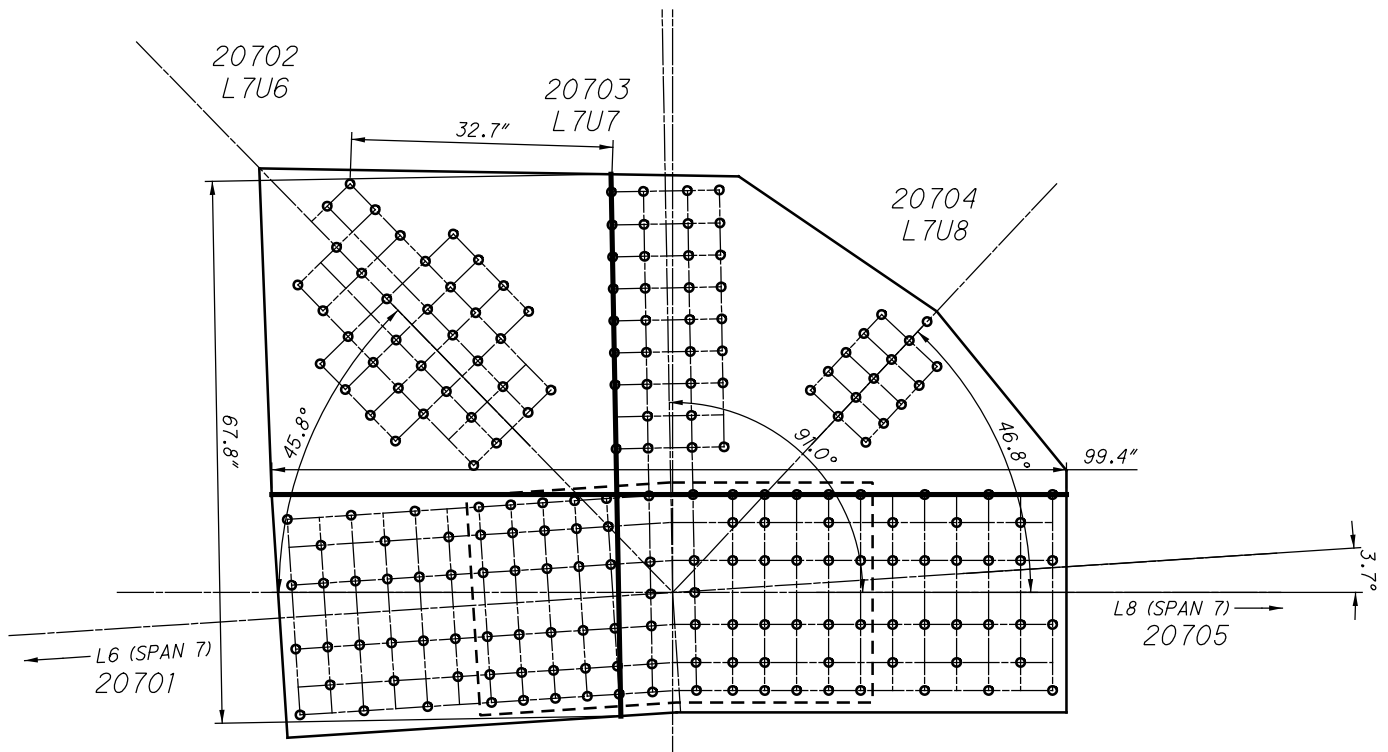
16 RIVETS
x 2 PLATES
= 32 RIVETS

56 RIVETS
x 2 PLATES
= 112 RIVETS

32 SPLICE P
x 2 PLATES
= 64 RIVETS

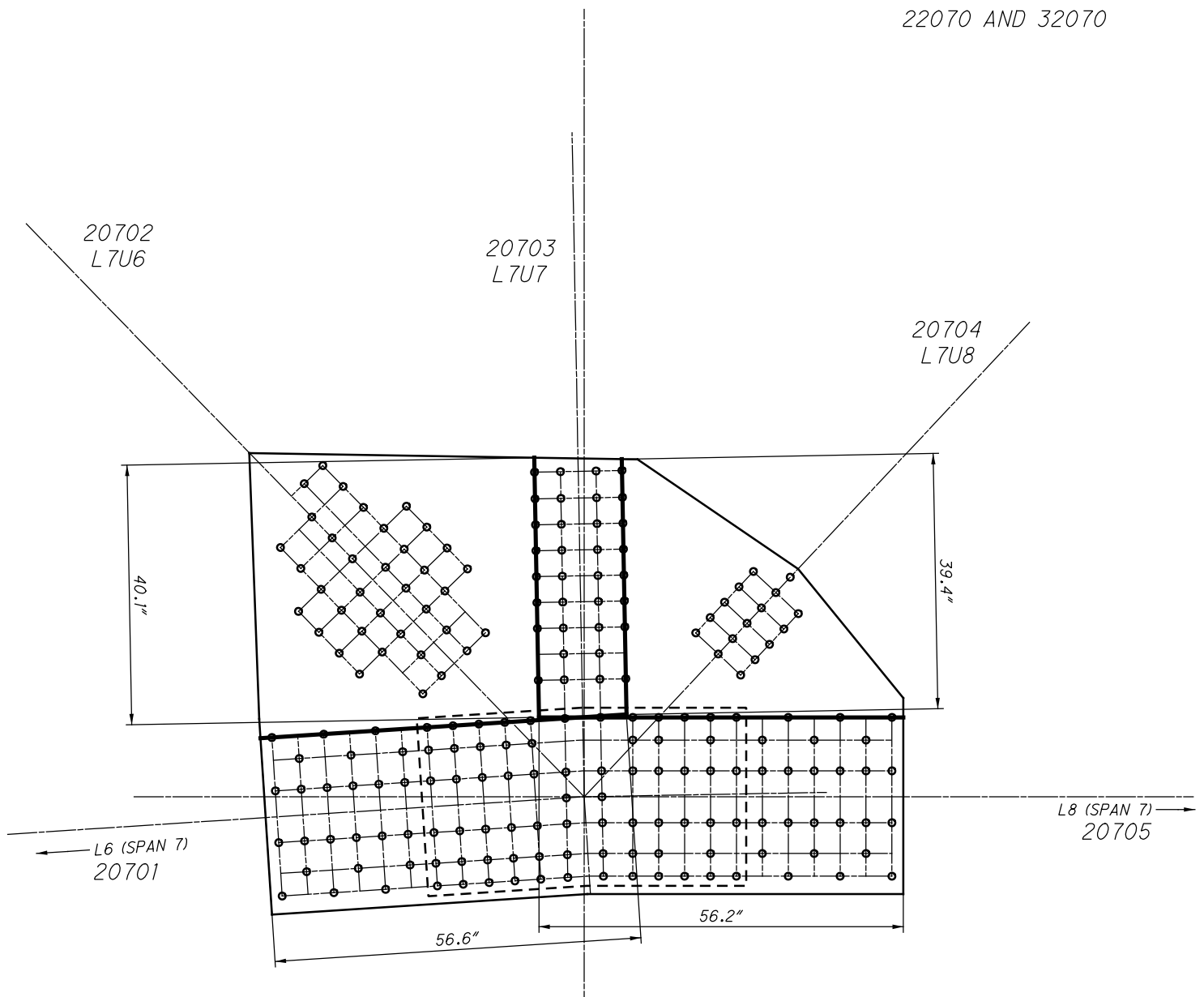


**L70 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L70 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

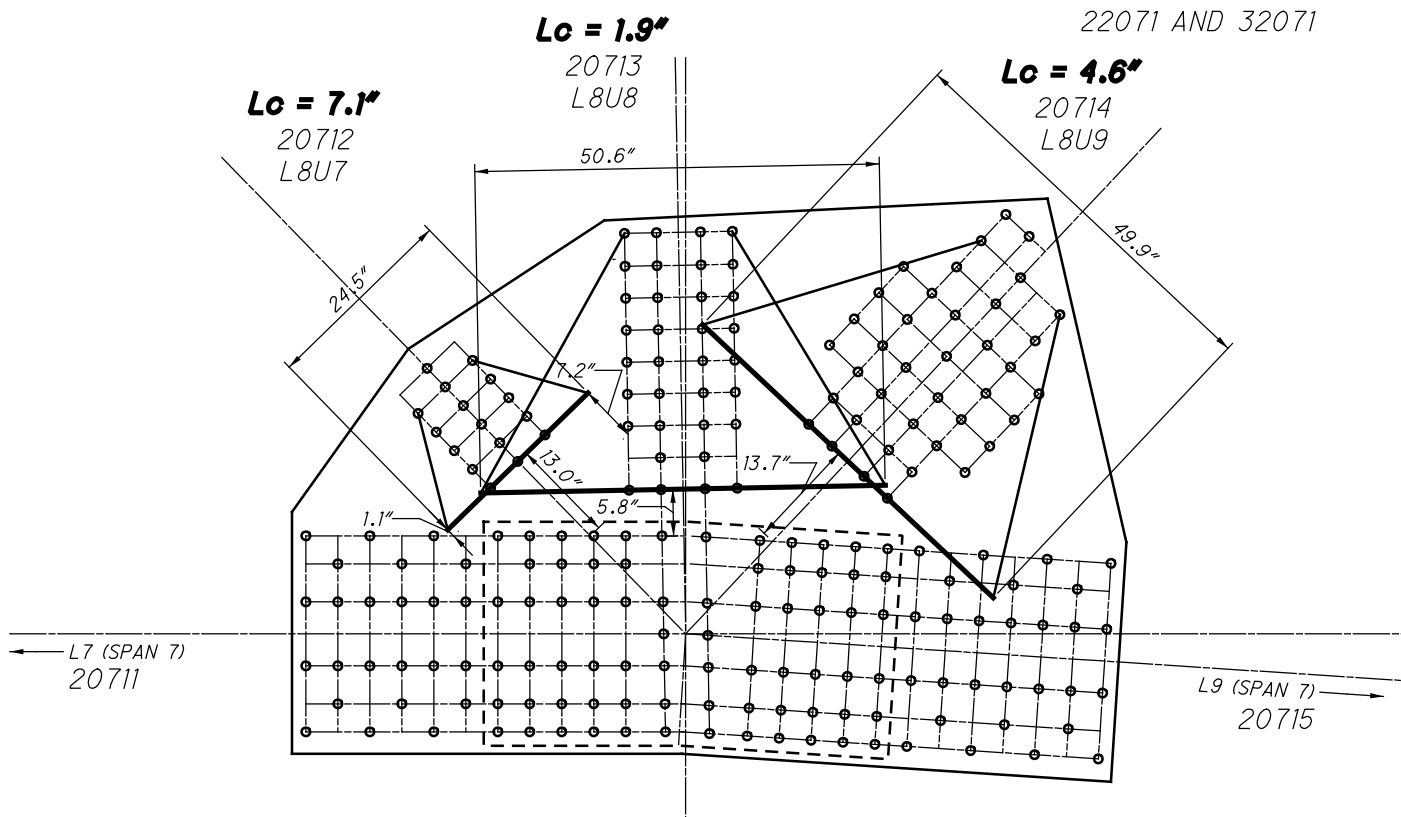
22070 AND 32070



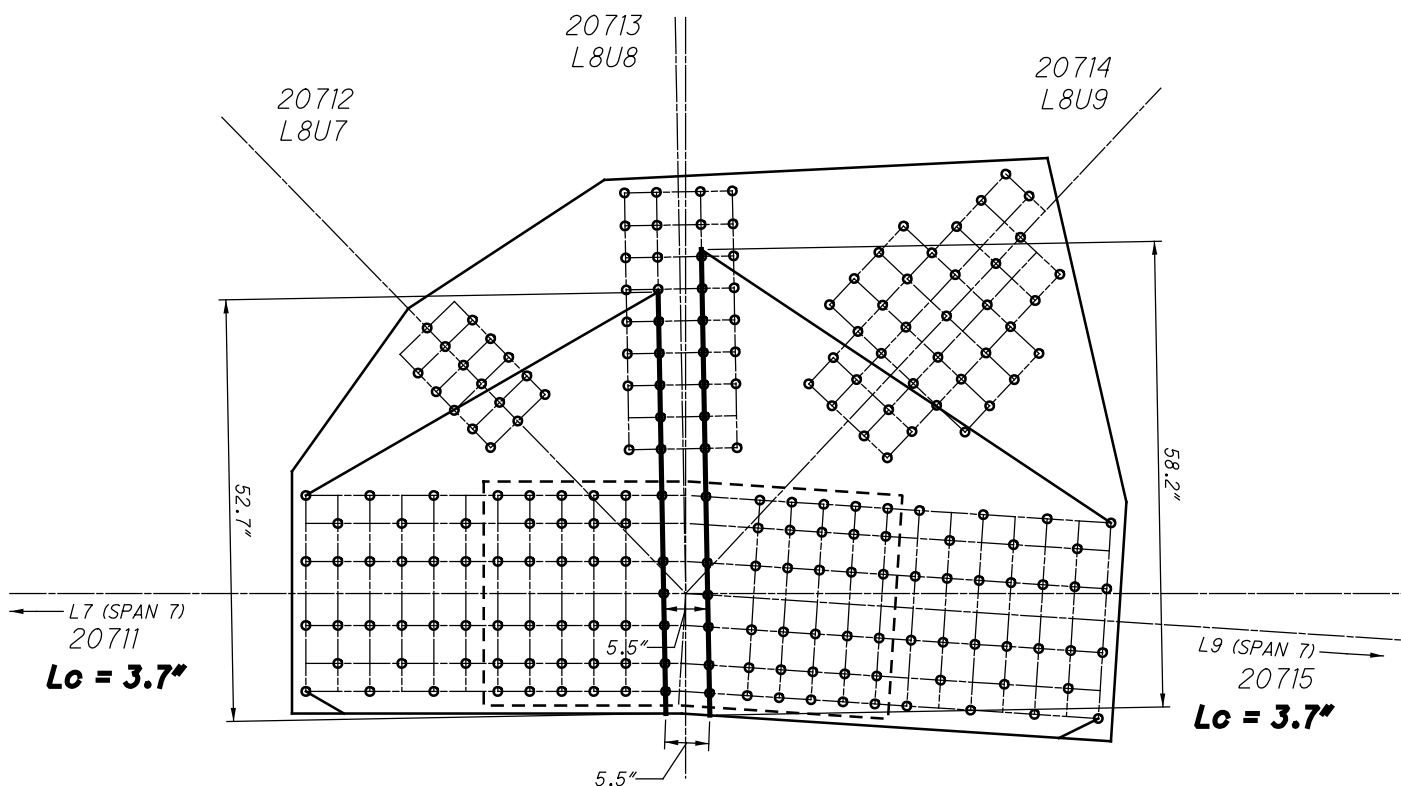
**L70 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

[illegible]

L71 INSIDE (SPAN 12)



**L71 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L71 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

16 RIVETS
x 2 PLATES
= 32 RIVETS

59 RIVETS
x 2 PLATES
= 118 RIVETS

35 SPLICE P
x 2 PLATES
= 70 RIVETS

20713
L8U8

34 RIVETS
x 2 PLATES
= 68 RIVETS

20714
L8U9

31 RIVETS
x 2 PLATES
= 62 RIVETS

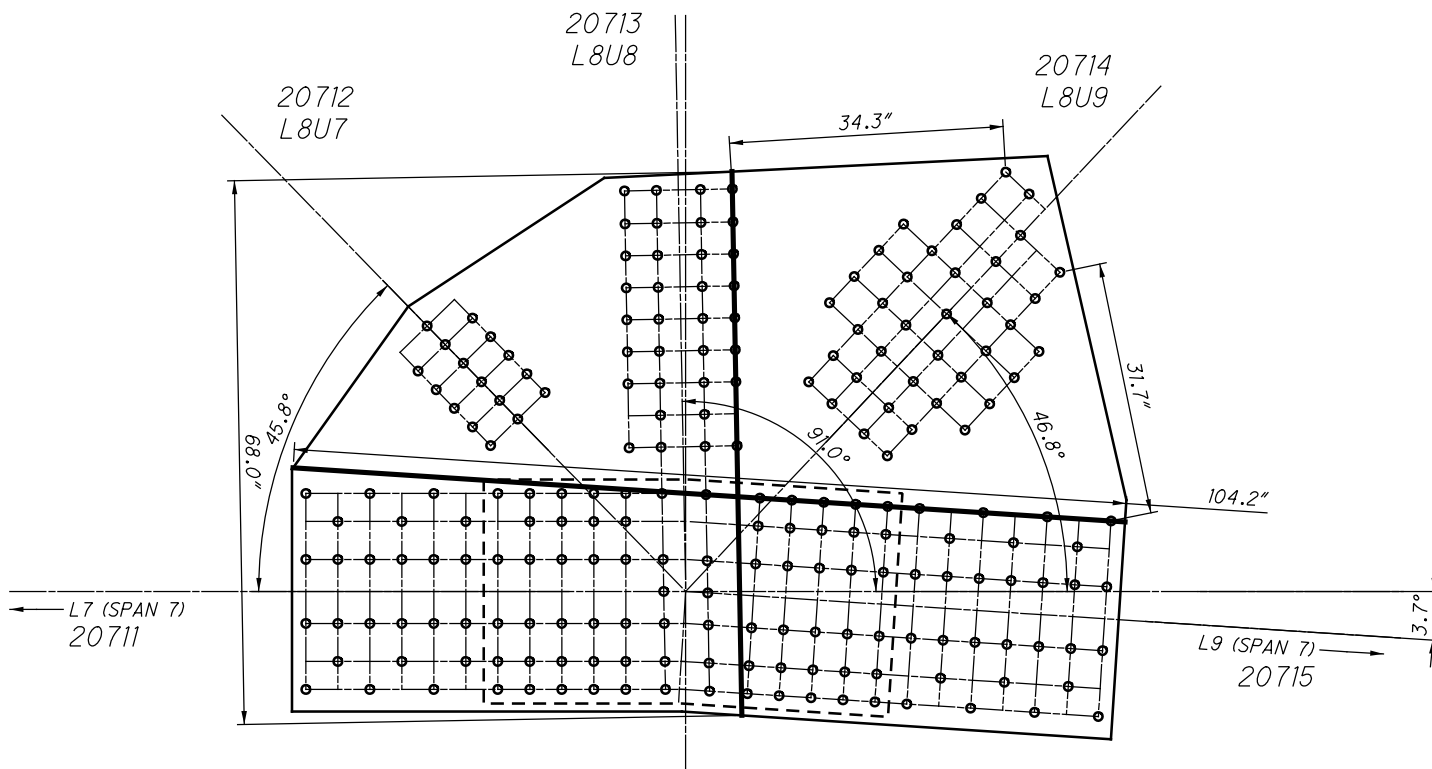
64 RIVETS
x 2 PLATES
= 128 RIVETS

36 SPLICE P
x 2 PLATES
= 72 RIVETS

L7 (SPAN 7)
20711

L9 (SPAN 7)
20715

**L71 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



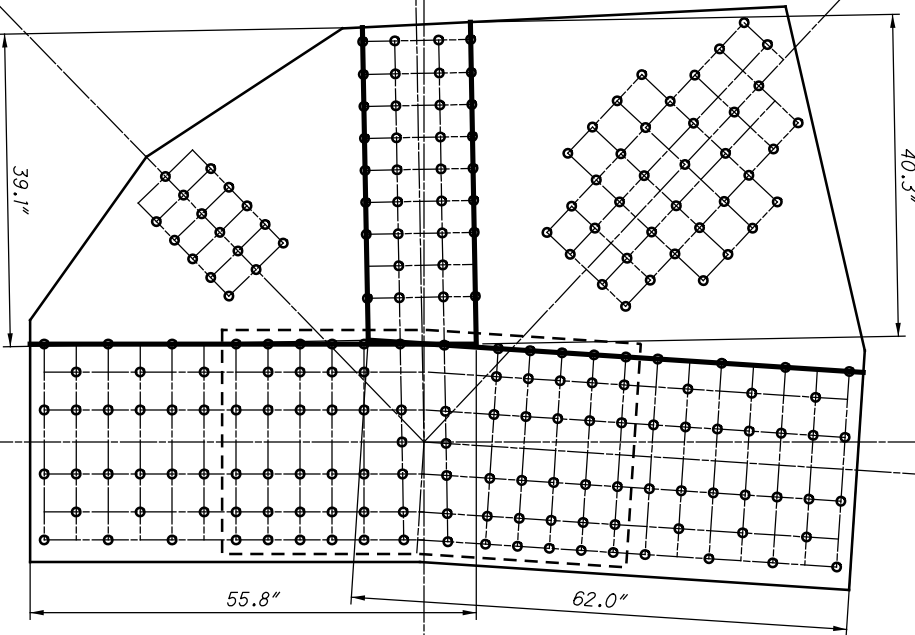
**L71 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

22071 AND 32071

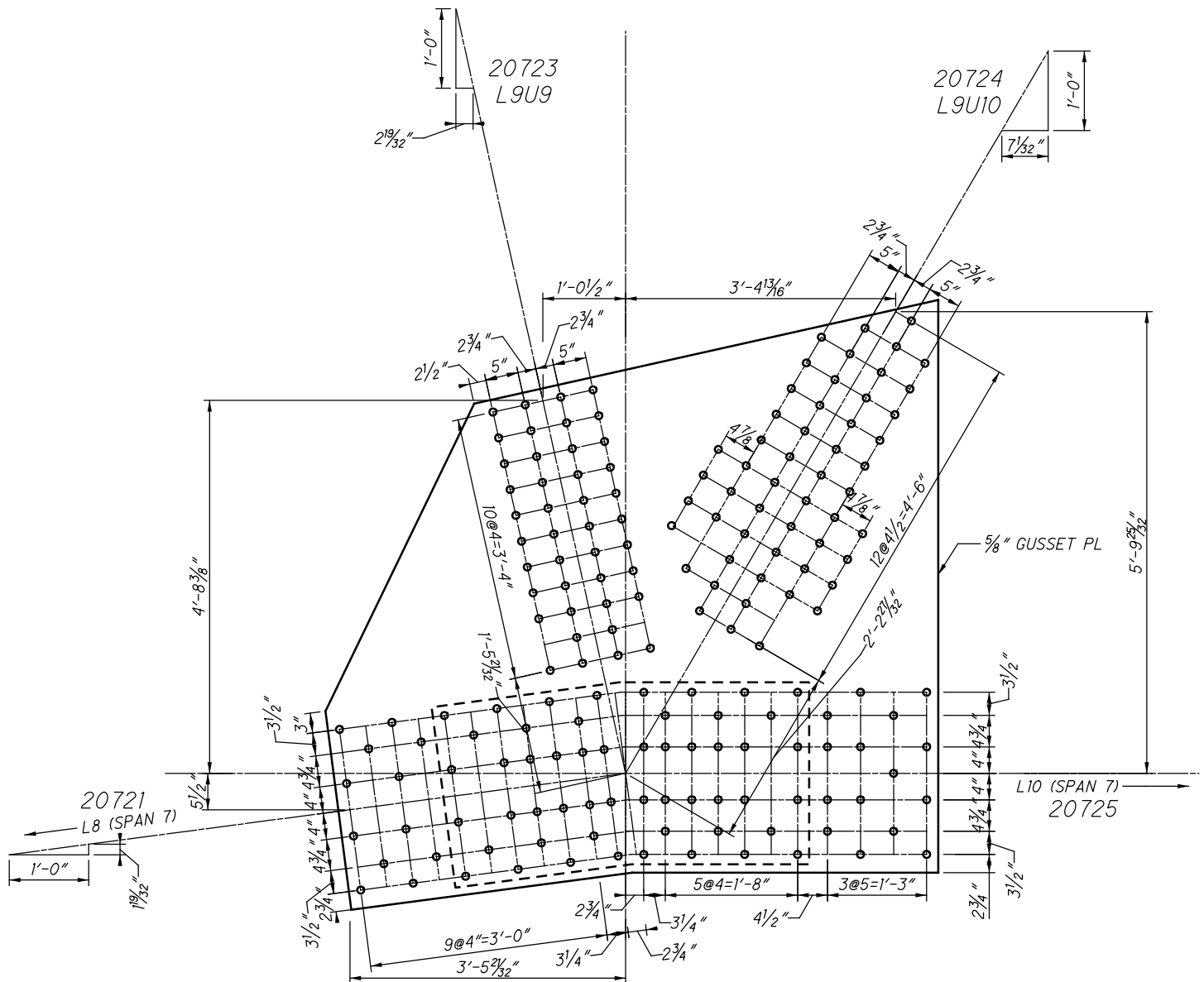
20713
L8U8

20712
L8U7

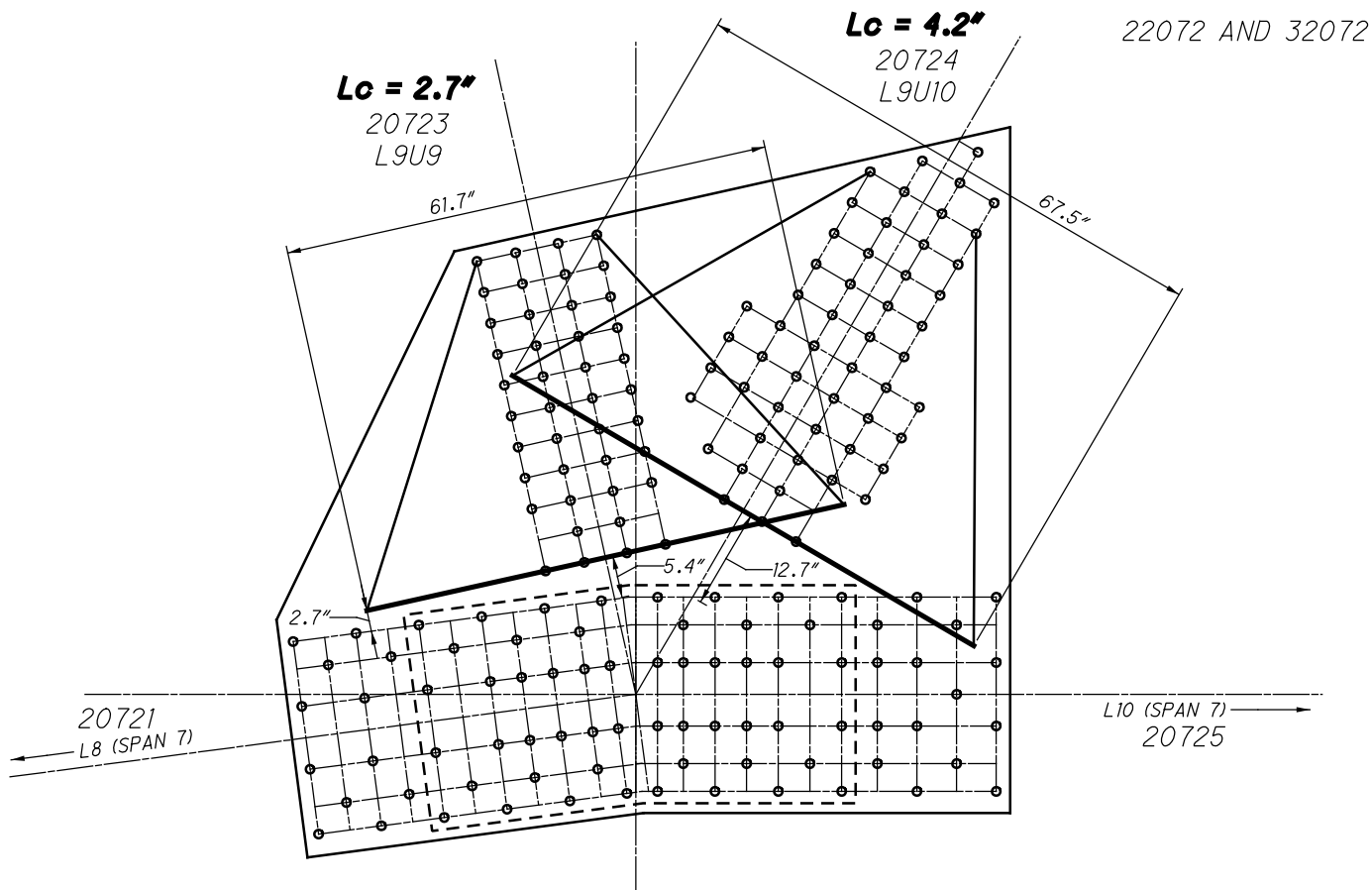
20714
L8U9



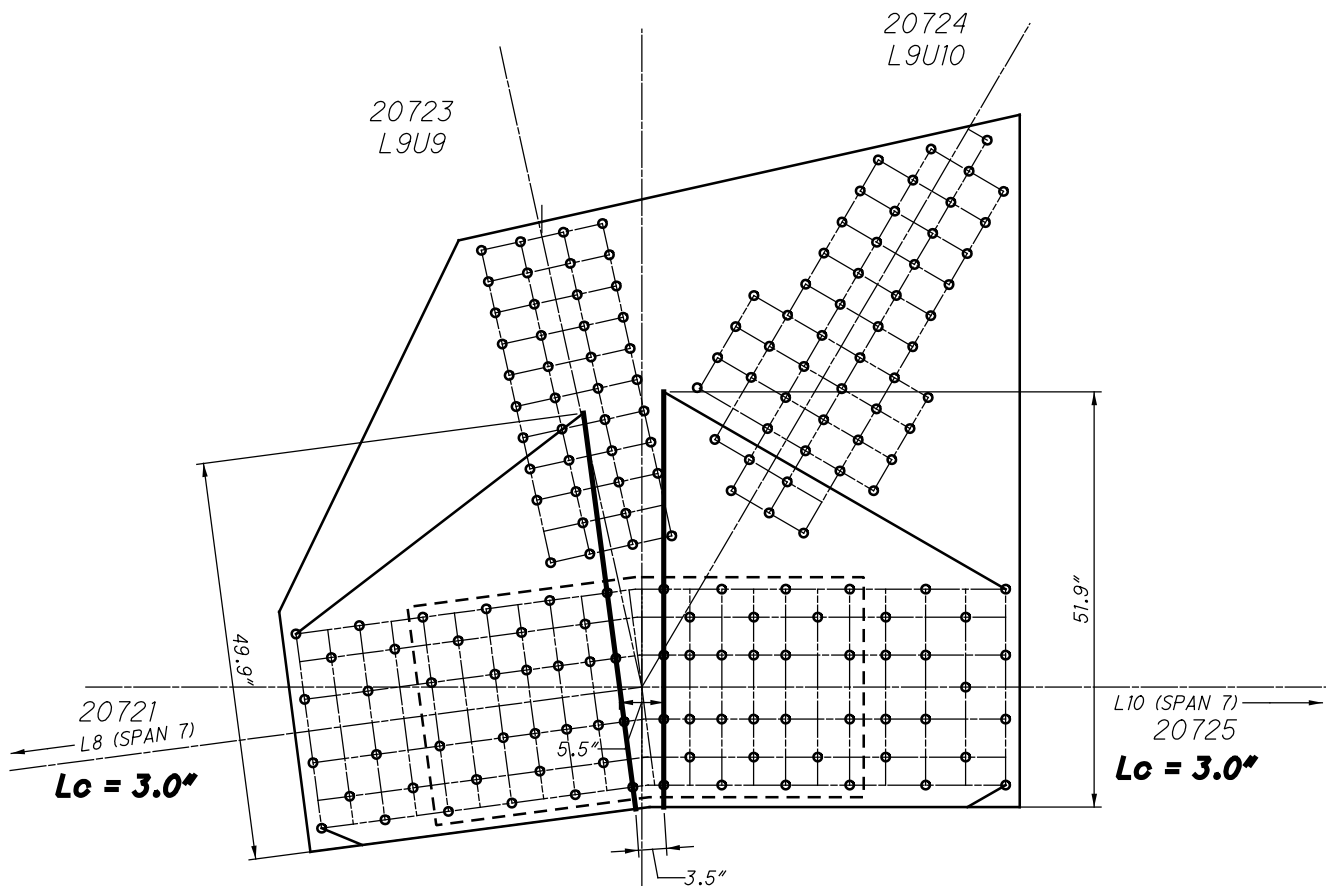
**L71 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



L72 INSIDE (SPAN 12)



**L72 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L72 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

22072 AND 32072

42 RIVETS
 $\times 2 \text{ PLATES}$
 = 84 RIVETS

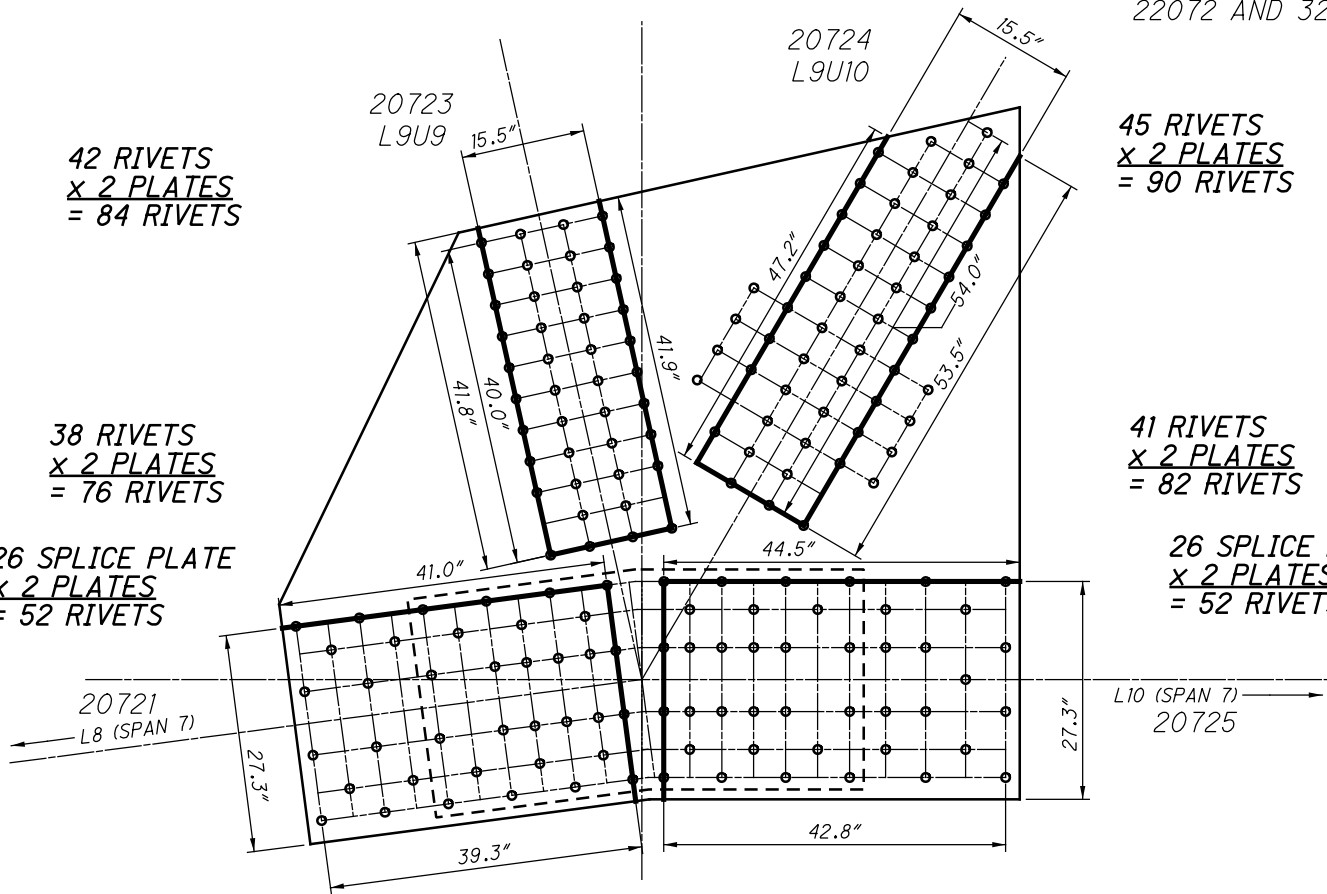
38 RIVETS
 $\times 2 \text{ PLATES}$
 = 76 RIVETS

26 SPLICE PLATE
 $\times 2 \text{ PLATES}$
 = 52 RIVETS

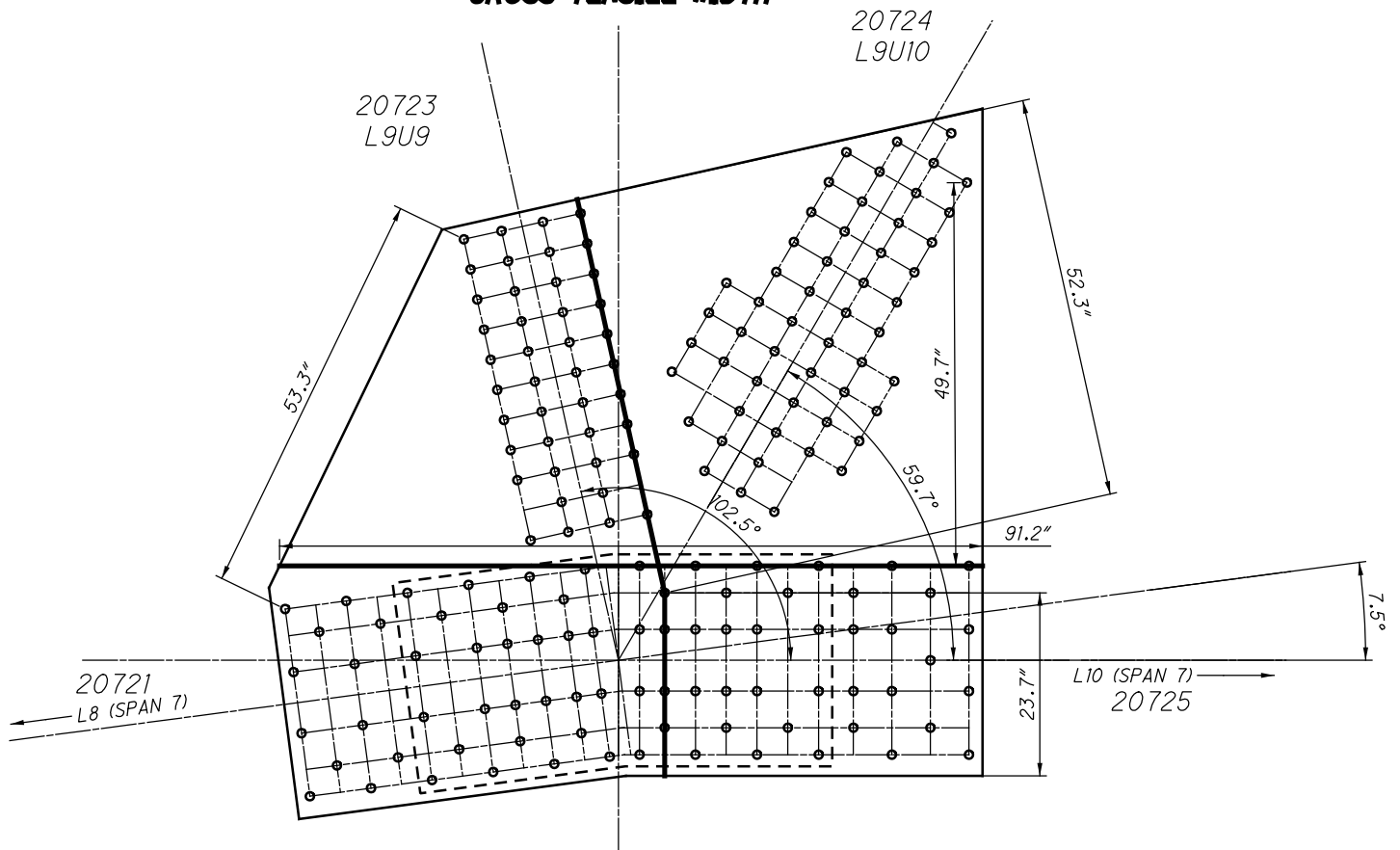
45 RIVETS
 $\times 2 \text{ PLATES}$
 = 90 RIVETS

41 RIVETS
 $\times 2 \text{ PLATES}$
 = 82 RIVETS

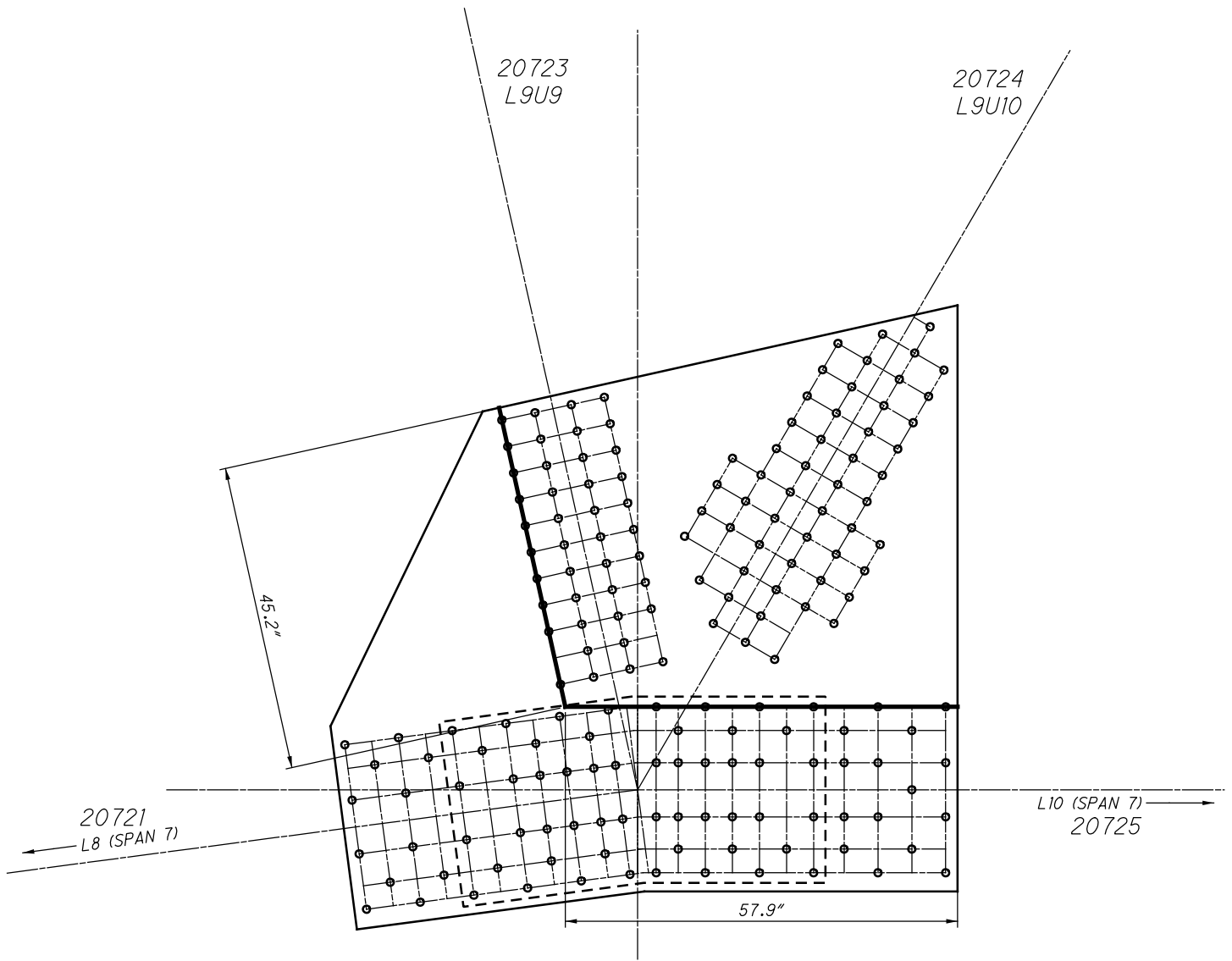
26 SPLICE PLATE
 $\times 2 \text{ PLATES}$
 = 52 RIVETS



**L72 INSIDE (SPAN 12)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

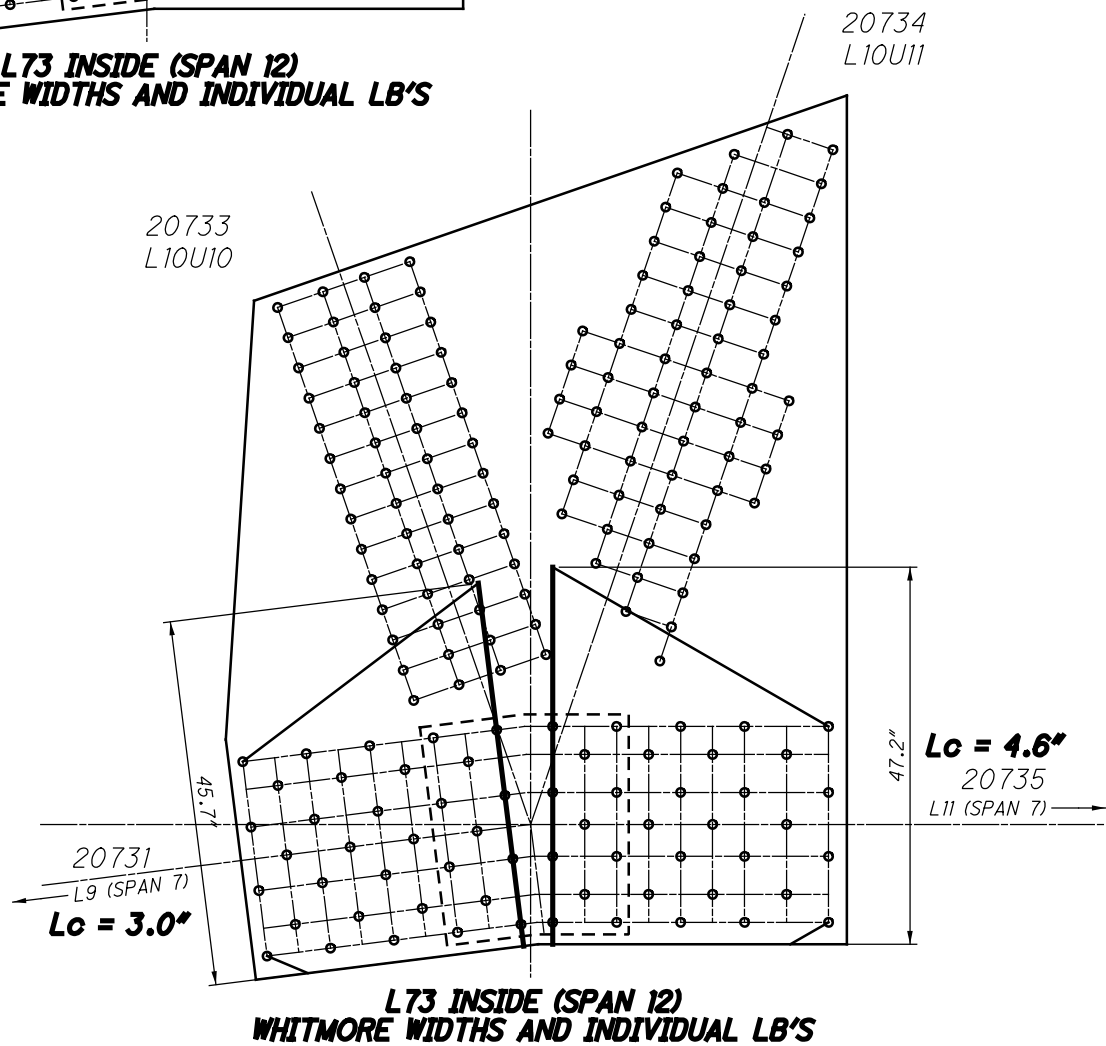
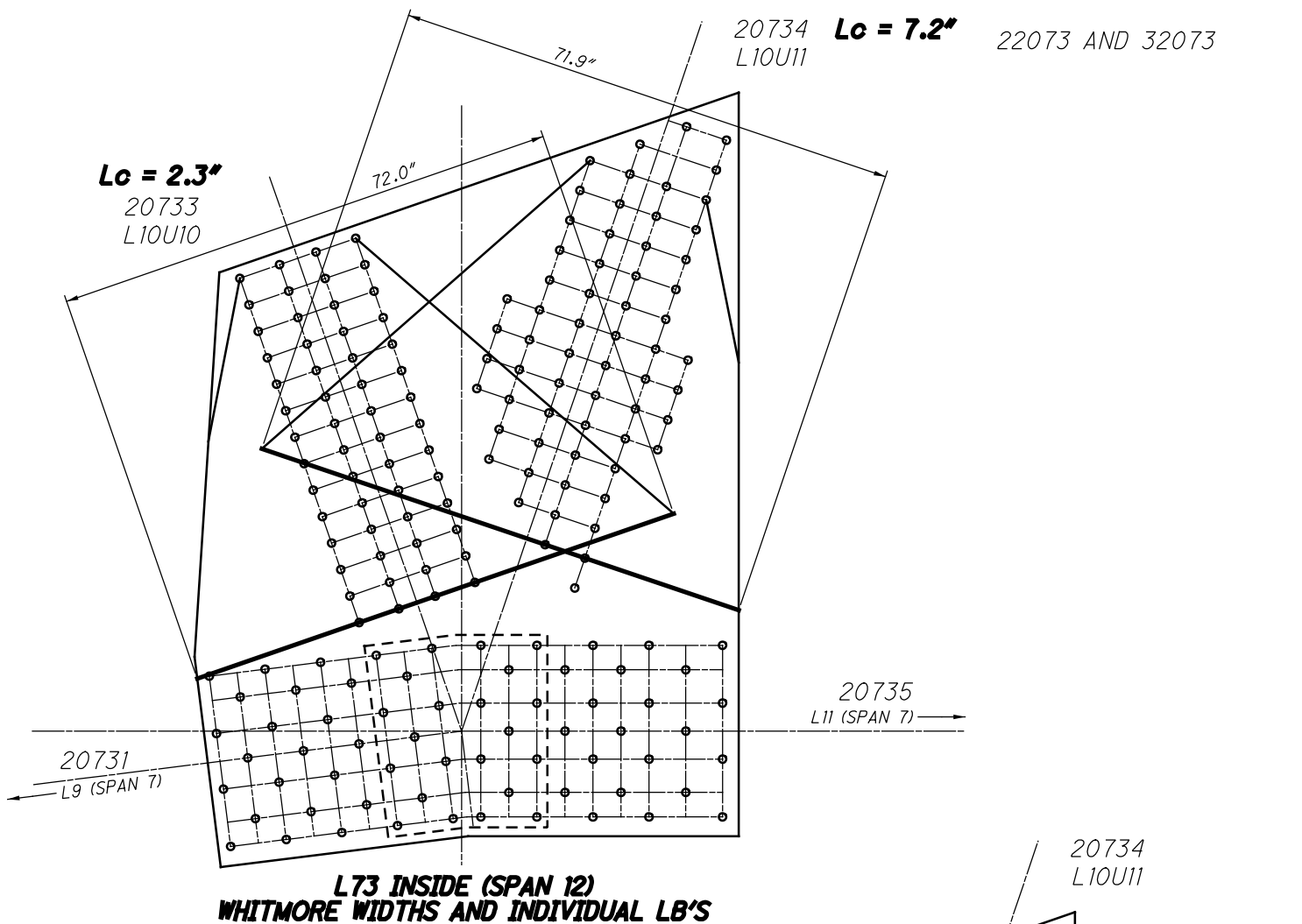


**L72 INSIDE (SPAN 12)
 SHEAR AND FREE EDGE CHECK**



**L72 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**





56 RIVETS
 x 2 PLATES
 = 112 RIVETS

20733
 L10U10

32 RIVETS
 x 2 PLATES
 = 64 RIVETS

11 SPLICE P
 x 2 PLATES
 = 22 RIVETS

20731
 L9 (SPAN 7)

20734
 L10U11

22073 AND 32073

60 RIVETS
 x 2 PLATES
 = 120 RIVETS

32 RIVETS
 x 2 PLATES
 = 64 RIVETS

11 SPLICE P
 x 2 PLATES
 = 22 RIVETS

20735
 L11 (SPAN 7)

**L73 INSIDE (SPAN 12)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

20733
 L10U10

20734
 L10U11

56.3"

72.1"

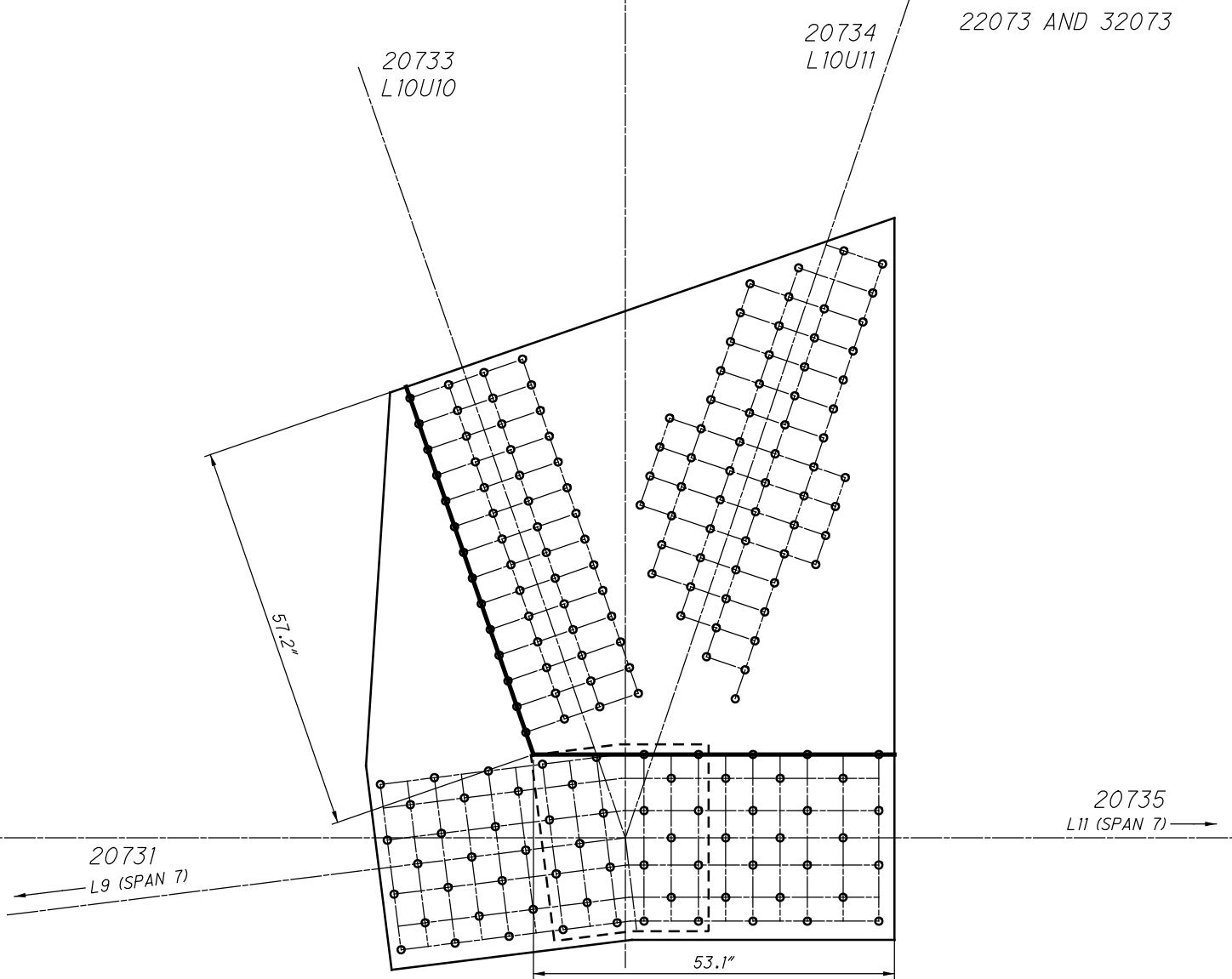
71.3"

77.9"

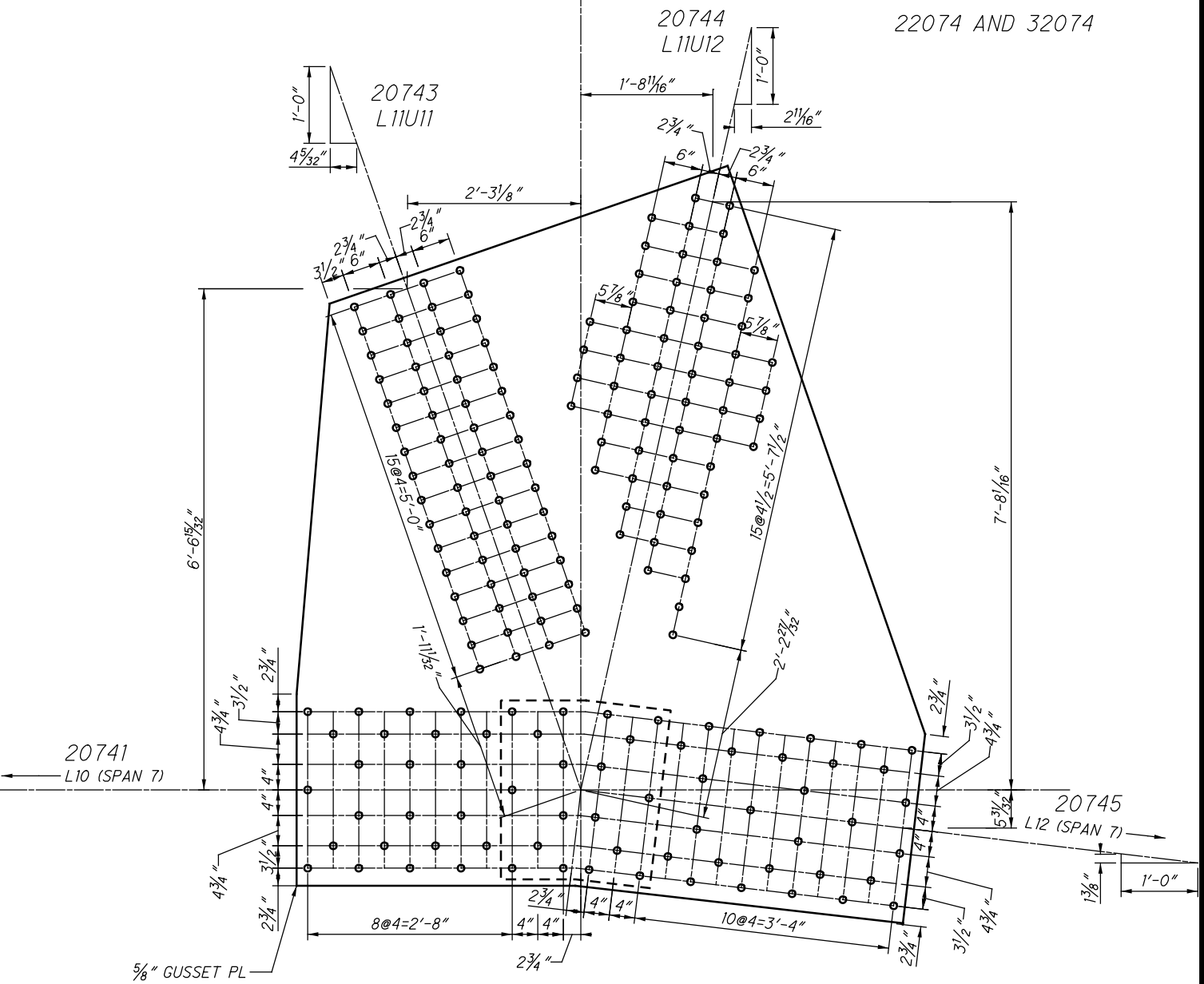
20735
 L11 (SPAN 7)

20731
 L9 (SPAN 7)

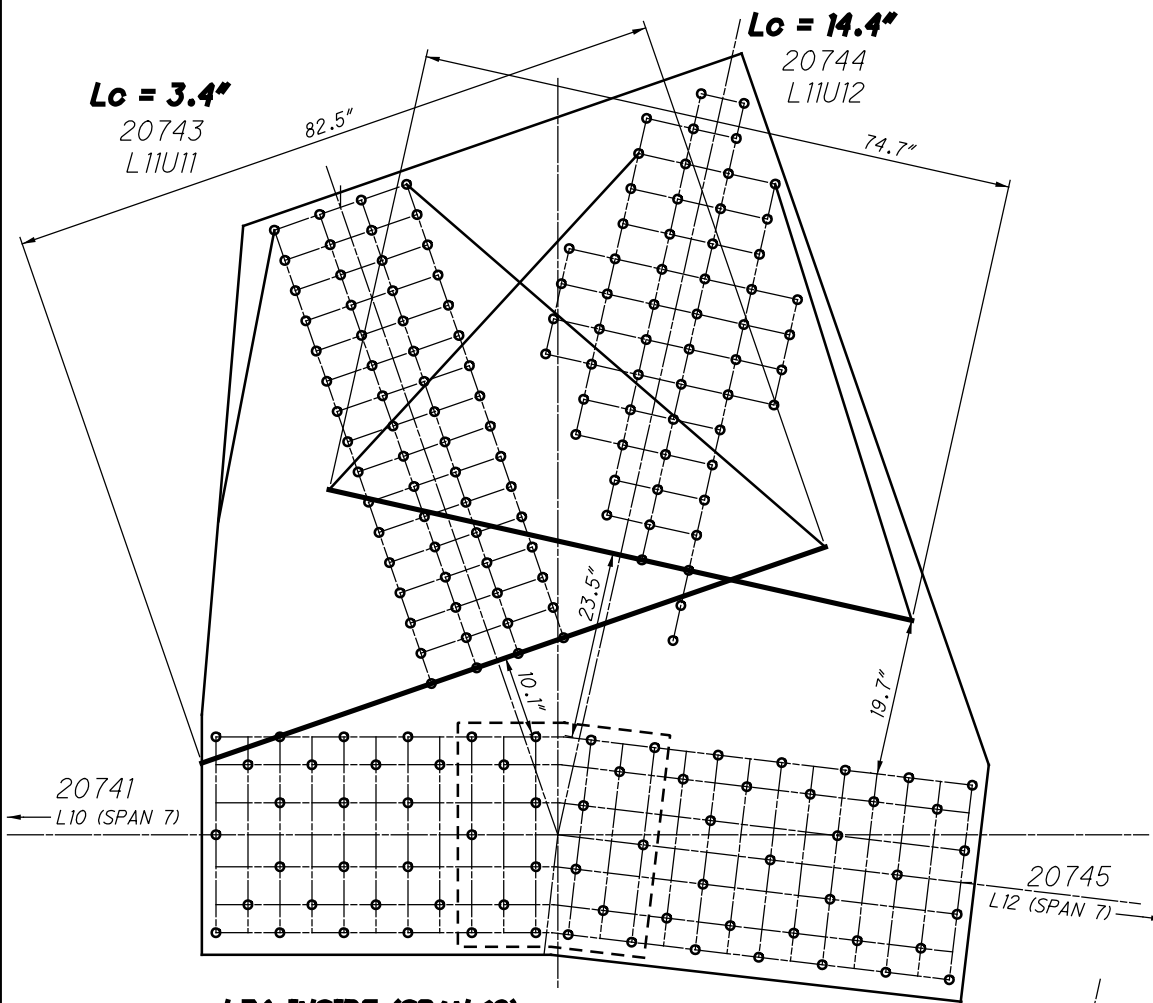
**L73 INSIDE (SPAN 12)
 SHEAR AND FREE EDGE CHECK**



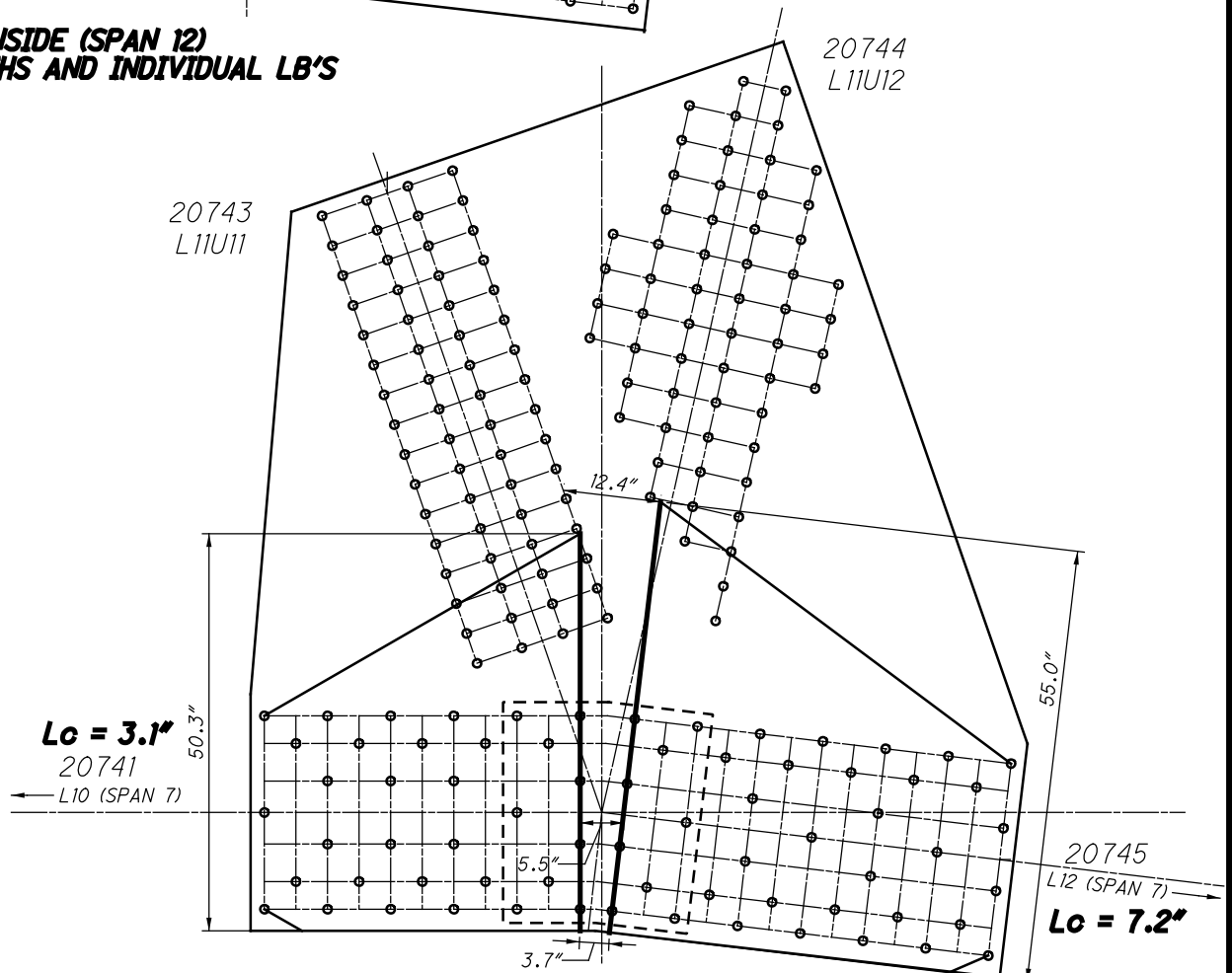
**L73 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



L74 INSIDE (SPAN 12)



**L74 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L74 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

64 RIVETS
 x 2 PLATES
 = 128 RIVETS

20743
 L11U11

20744
 L11U12

22074 AND 32074

49 RIVETS
 x 2 PLATES
 = 98 RIVETS

32 RIVETS
 x 2 PLATES
 = 64 RIVETS

9 SPLICE P
 x 2 PLATES
 = 18 RIVETS

37 RIVETS
 x 2 PLATES
 = 74 RIVETS

9 SPLICE P
 x 2 PLATES
 = 18 RIVETS

20741
 L10 (SPAN 7)

20745

L12 (SPAN 7)

**L74 INSIDE (SPAN 12)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

20743
 L11U11

20744
 L11U12

**L74 INSIDE (SPAN 12)
 SHEAR AND FREE EDGE CHECK**

20741
 L10 (SPAN 7)

20745
 L12 (SPAN 7)

20744
L11U12

22074 AND 32074

20743
L11U11

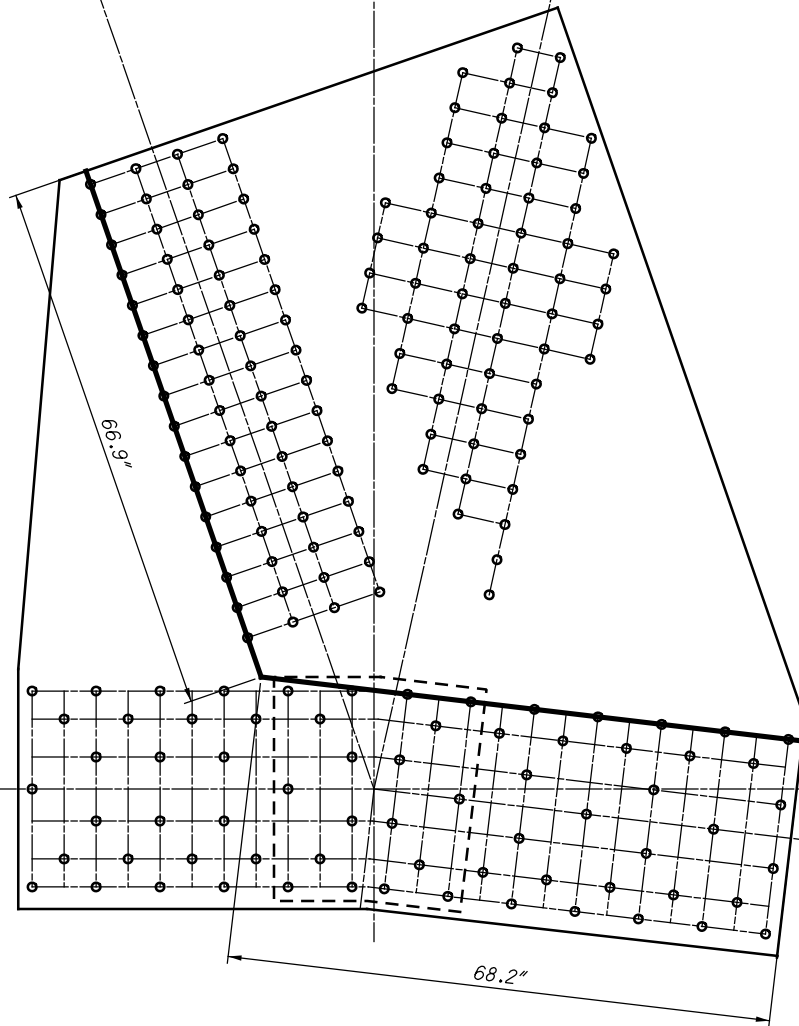
66.9"

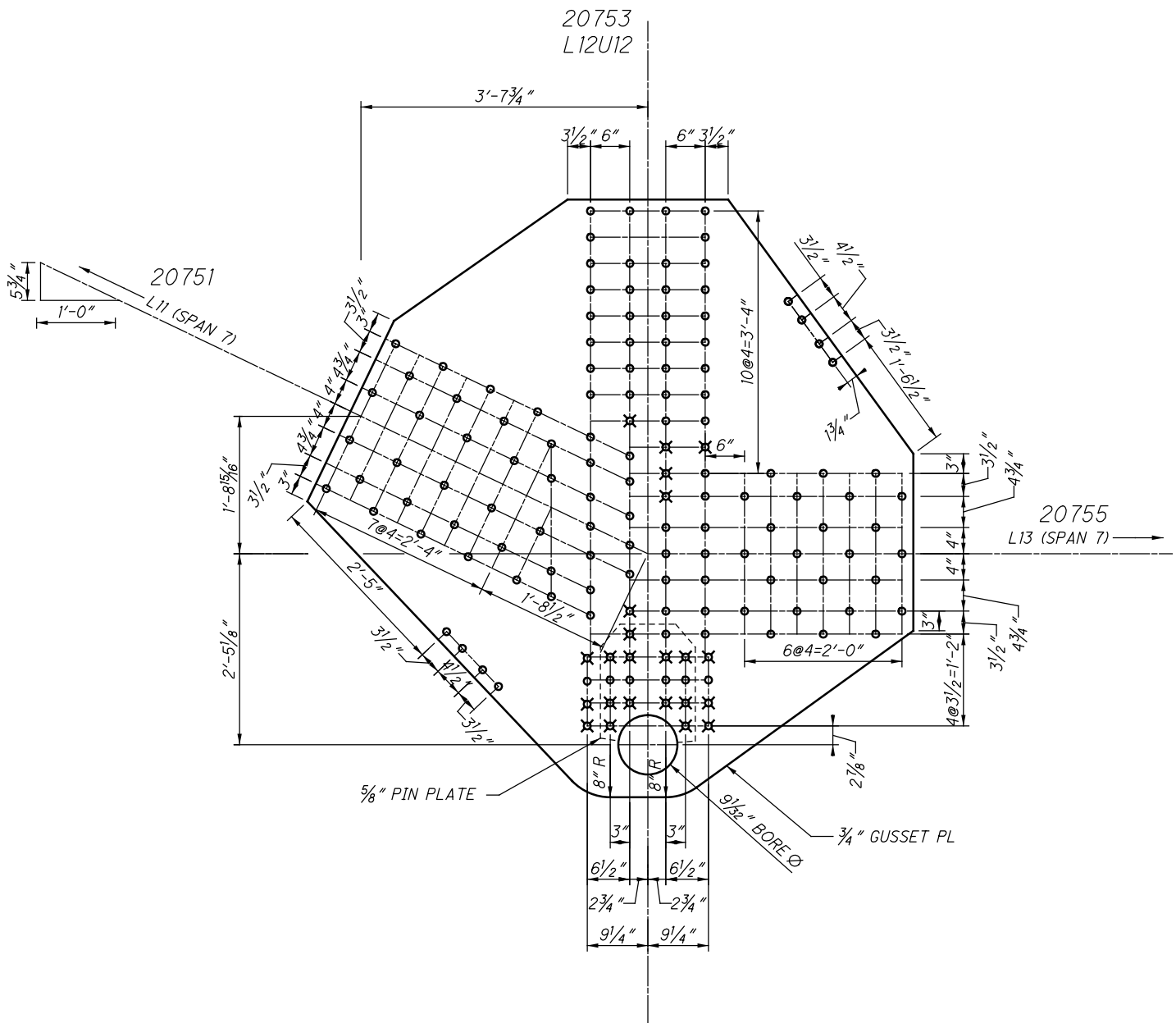
20741
L10 (SPAN 7)

20745
L12 (SPAN 7)

68.2"

**L74 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**





L75 INSIDE (SPAN 12)

20753
L12U12

22075 AND 32075

20751
L11 (SPAN 7)

20755
L13 (SPAN 7)

72.6"
L75 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20753
L12U12

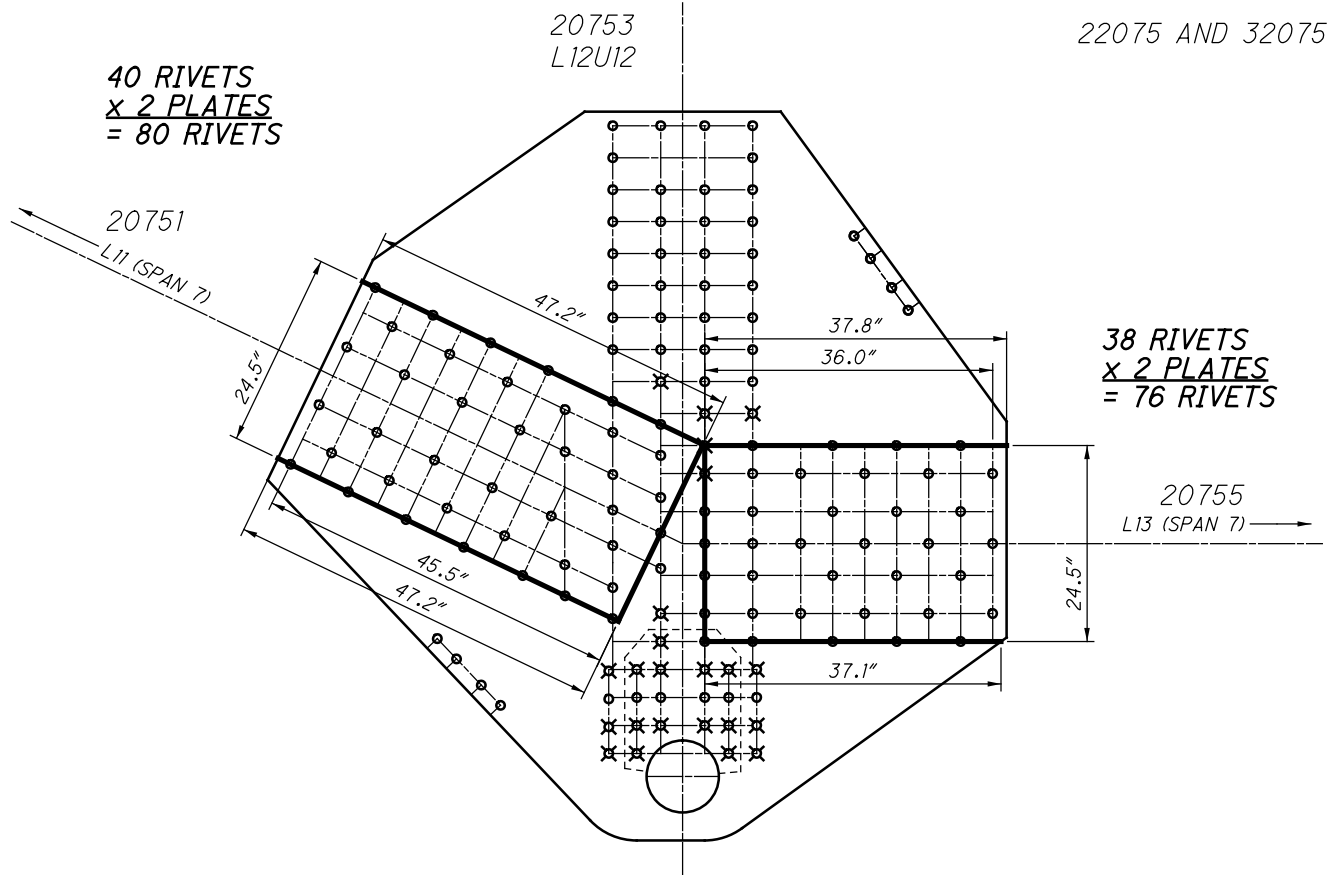
$L_c = 2.0'$
20751

L11 (SPAN 7)

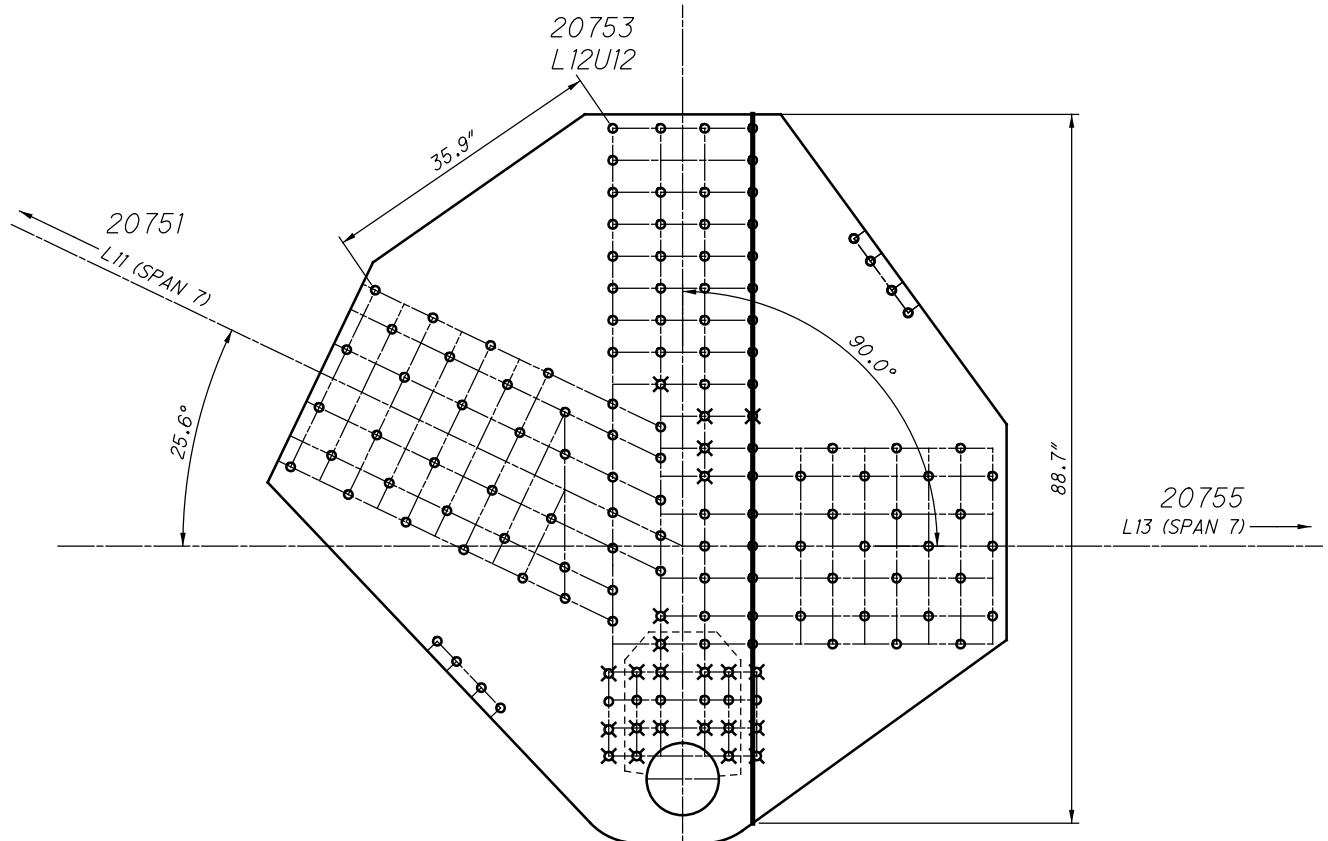
$L_c = 0.0'$
20755

L13 (SPAN 7)

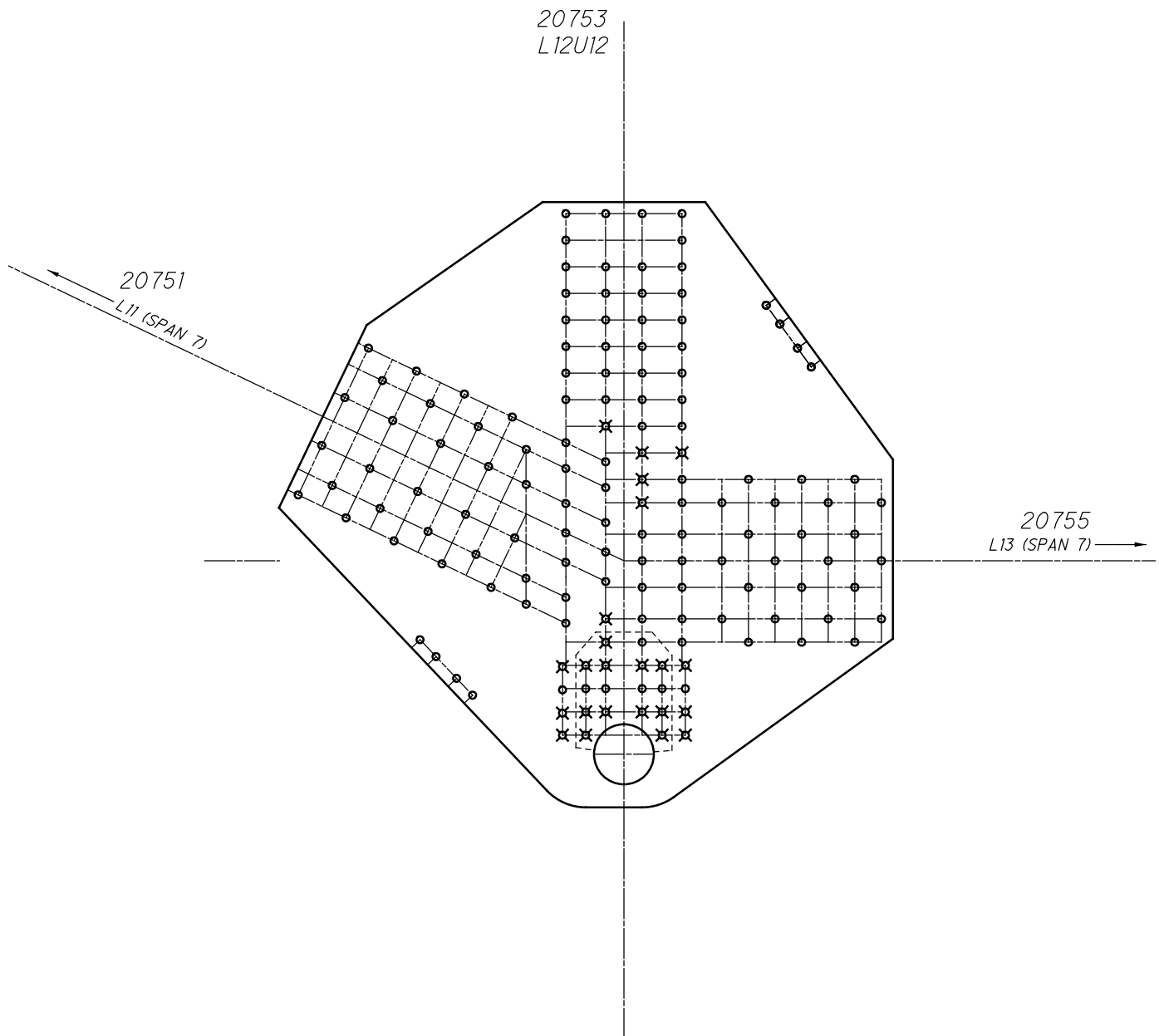
71.8"
61.5"
6.1"
L75 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



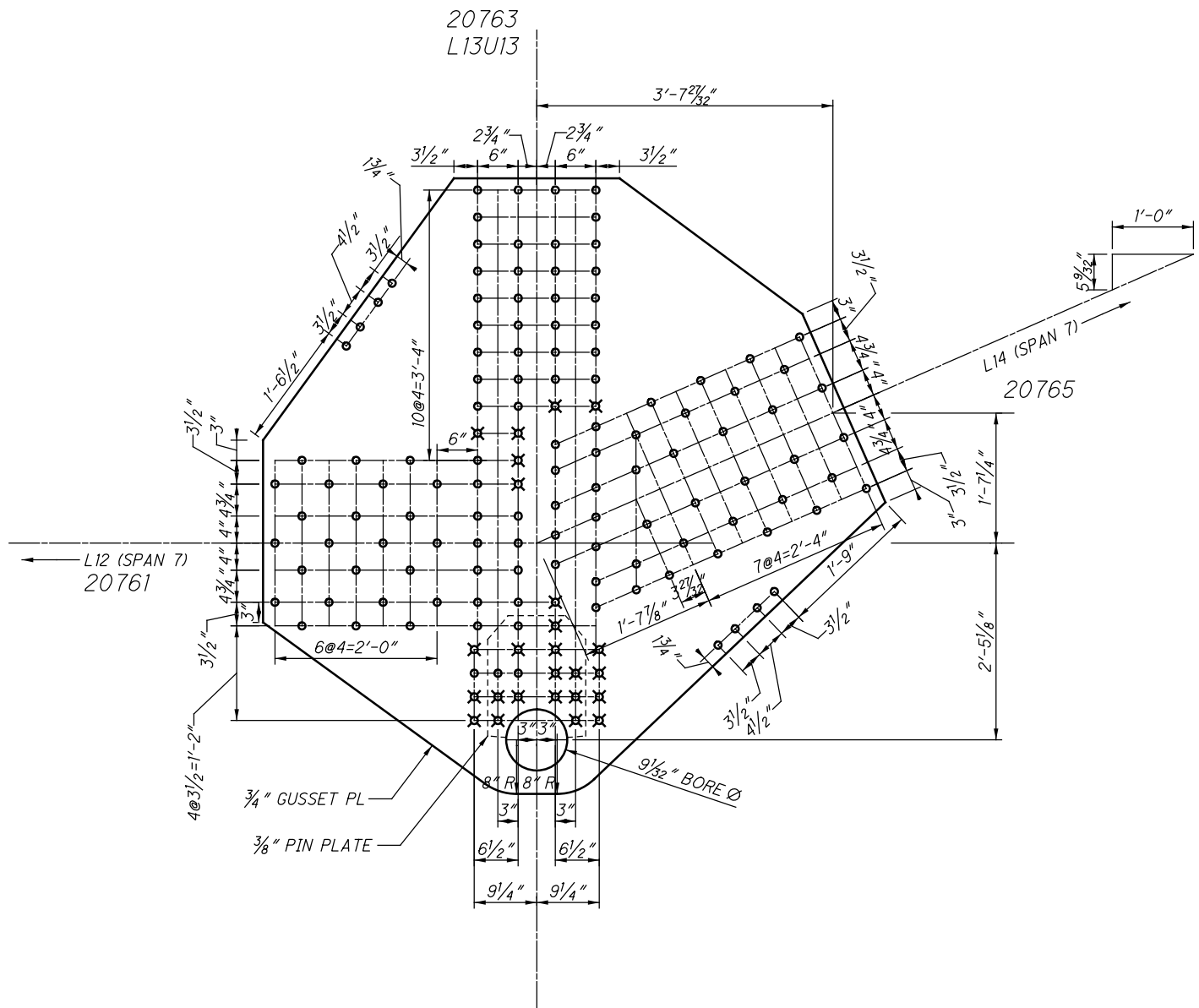
**L75 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L75 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



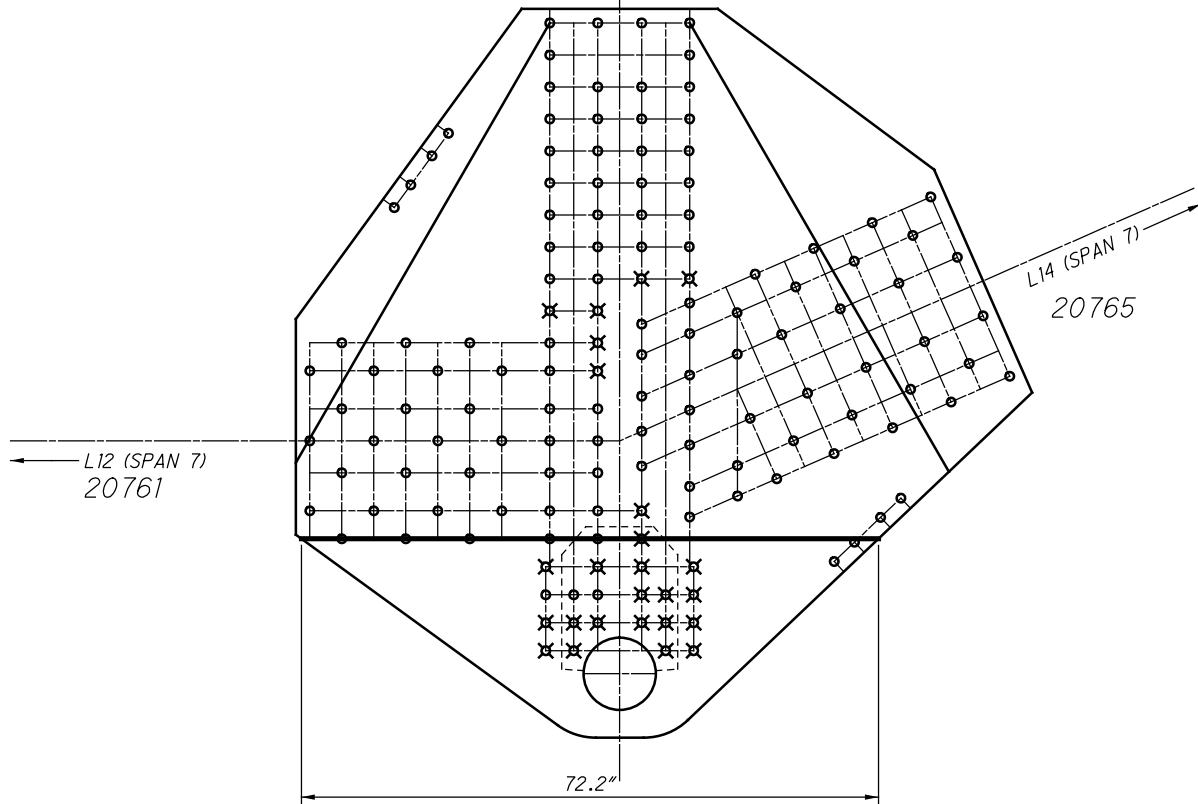
**L75 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



L76 INSIDE (SPAN 12)

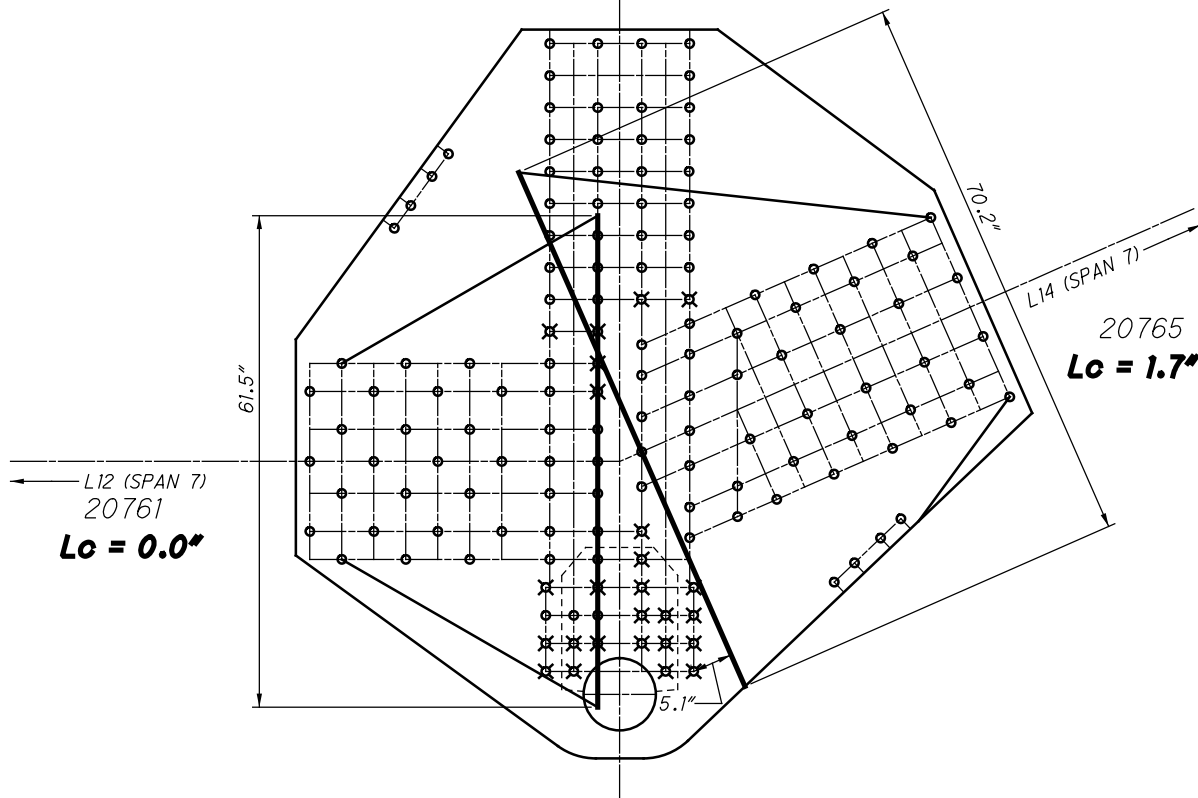
20763
L13U13

22076 AND 32076



**L76 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

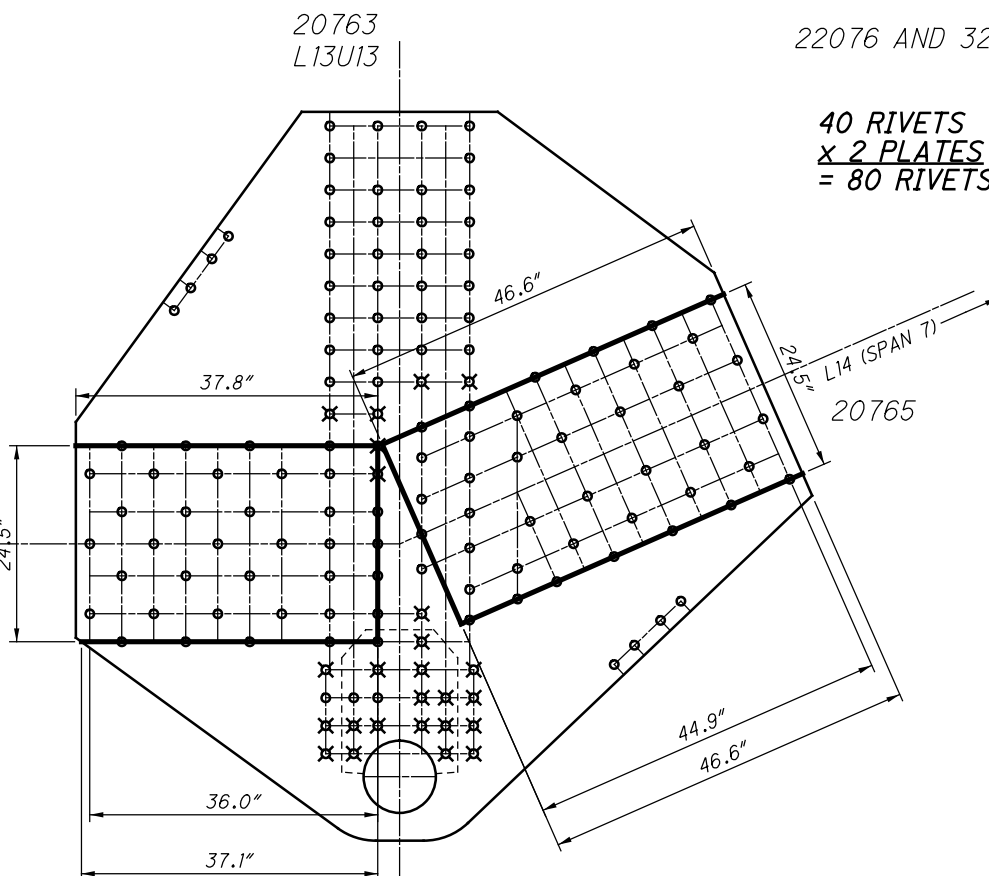
20763
L13U13



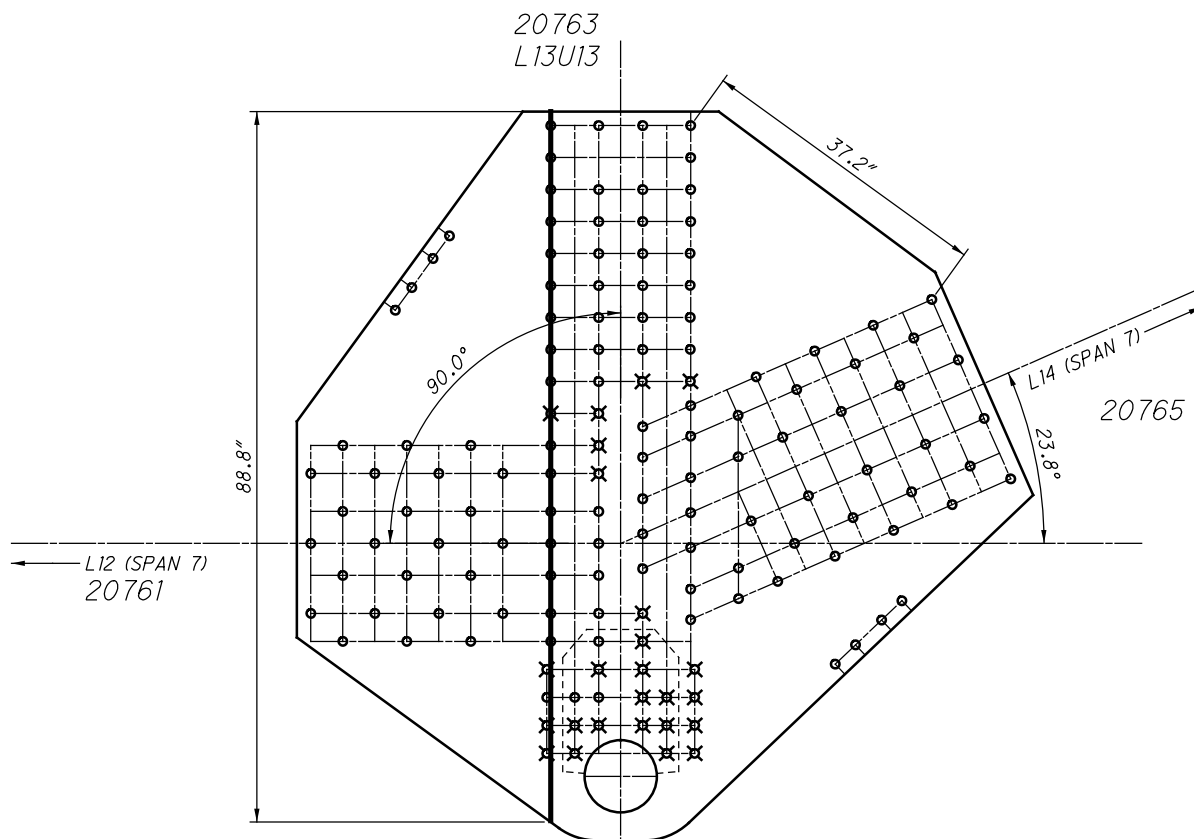
**L76 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

38 RIVETS
 $\times 2 \text{ PLATES}$
 = 76 RIVETS

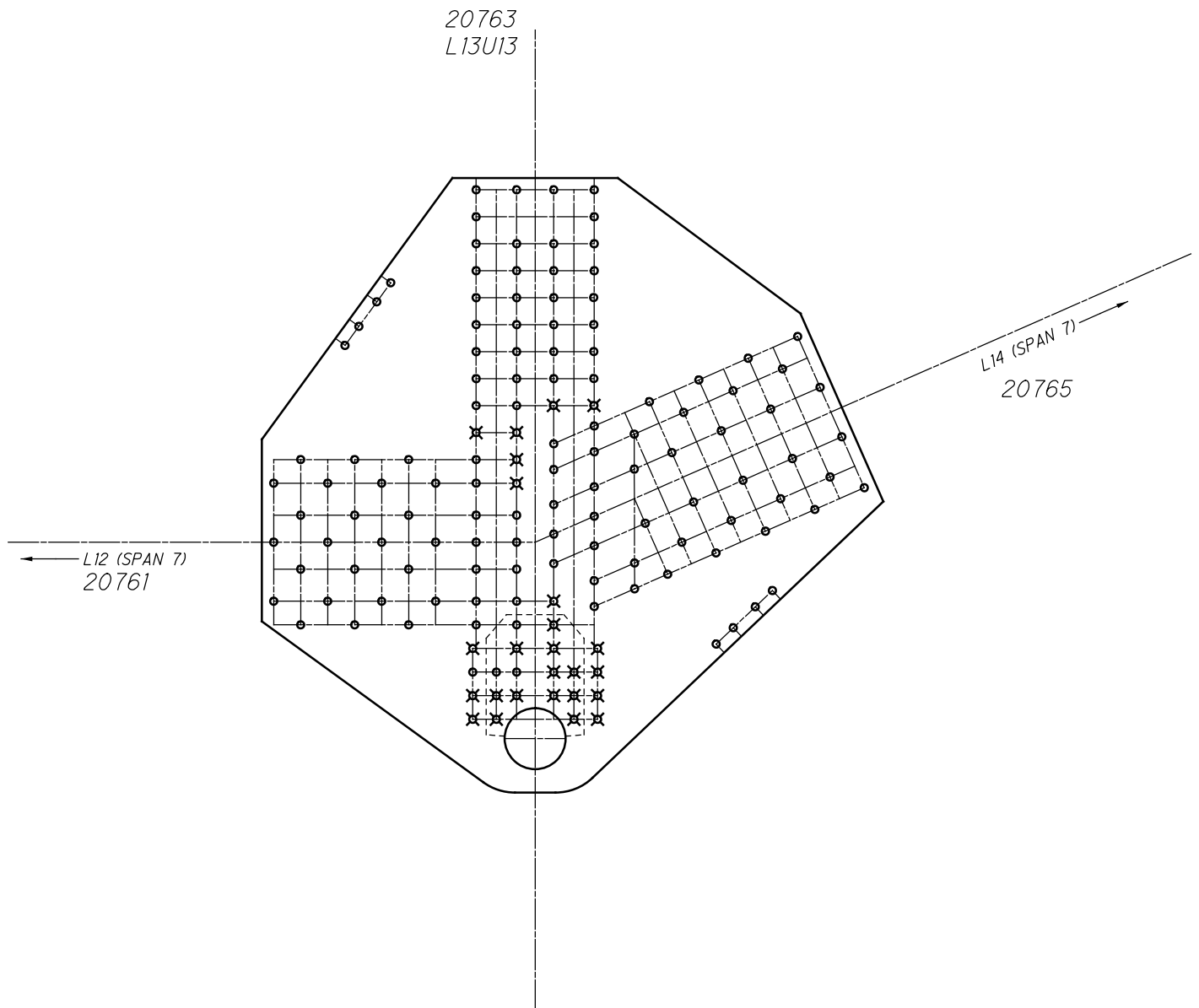
L12 (SPAN 7)
 20761



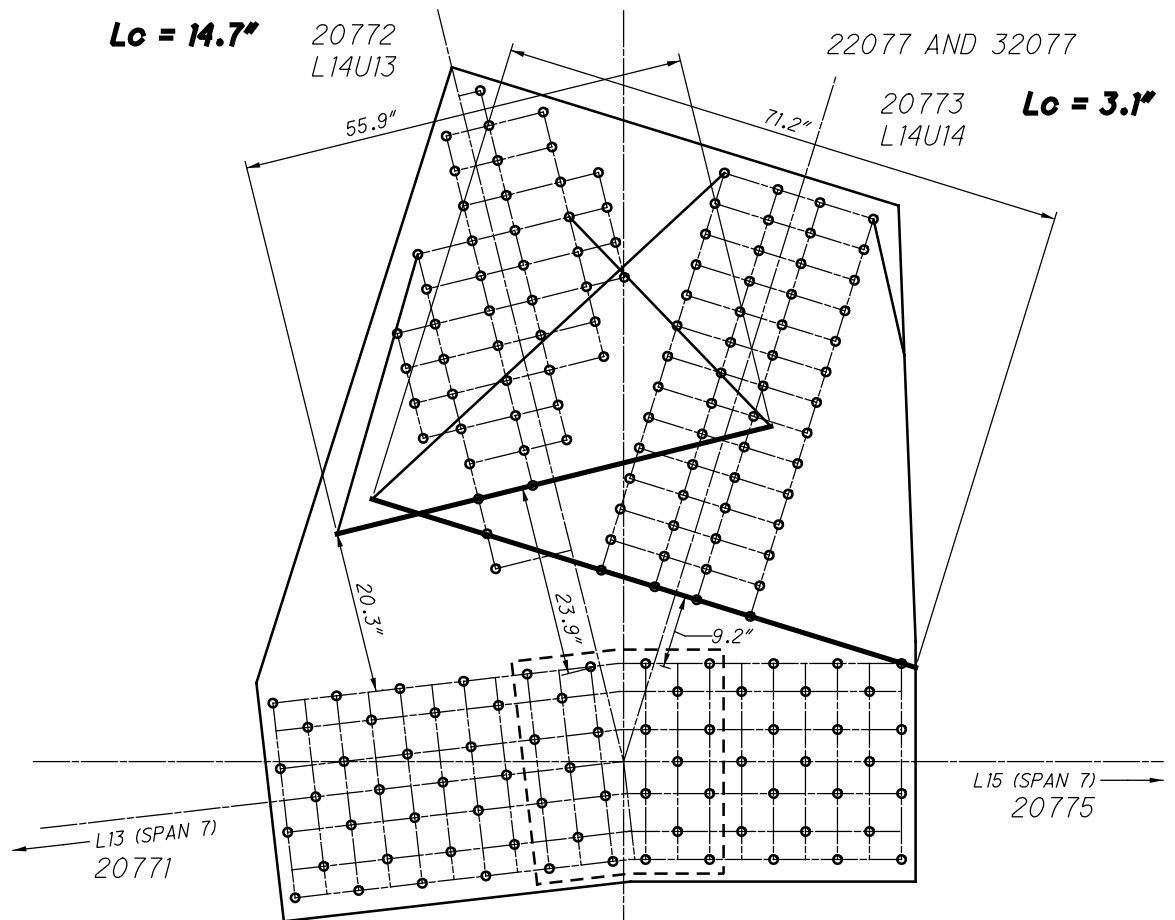
**L76 INSIDE (SPAN 12)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**



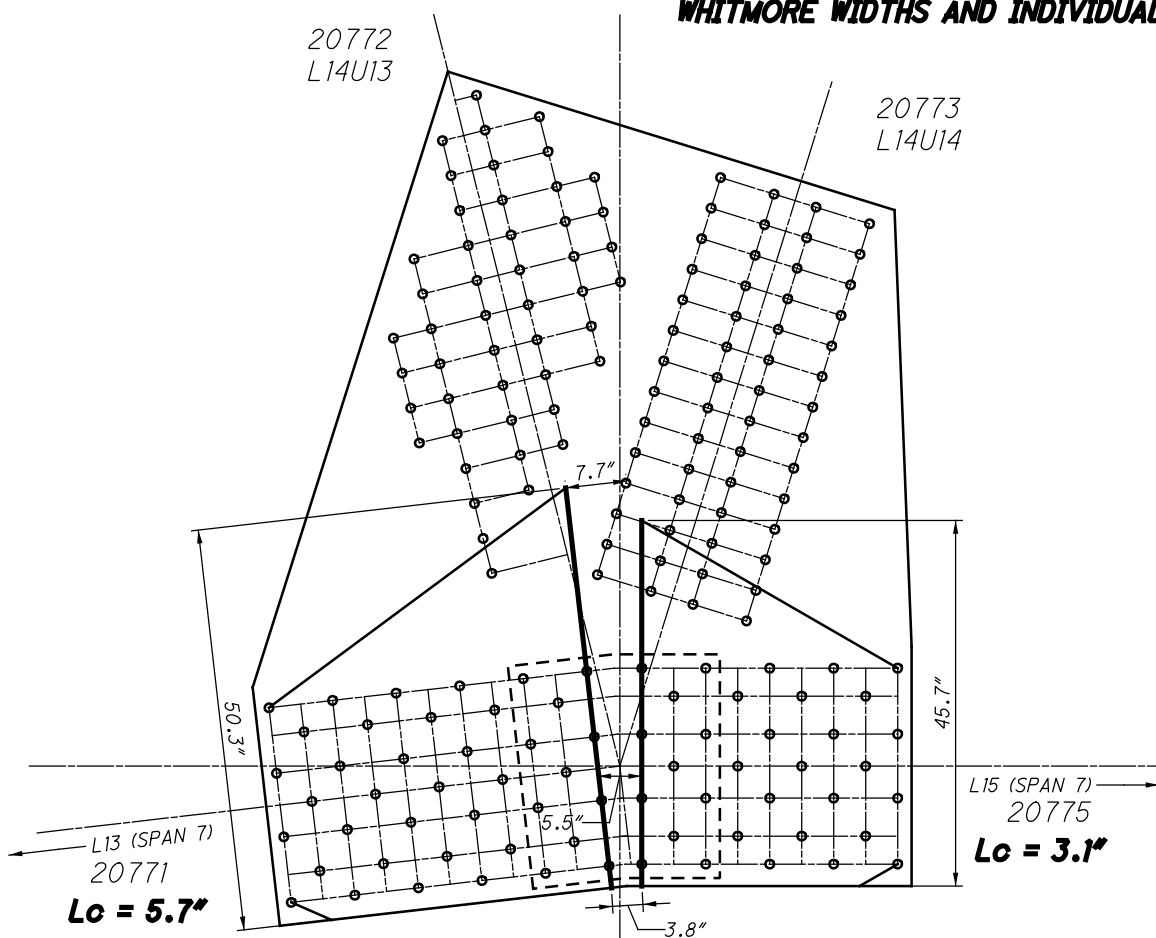
**L76 INSIDE (SPAN 12)
 SHEAR AND FREE EDGE CHECK**



**L76 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**



**L77 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L77 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

38 RIVETS
x 2 PLATES
= 76 RIVETS

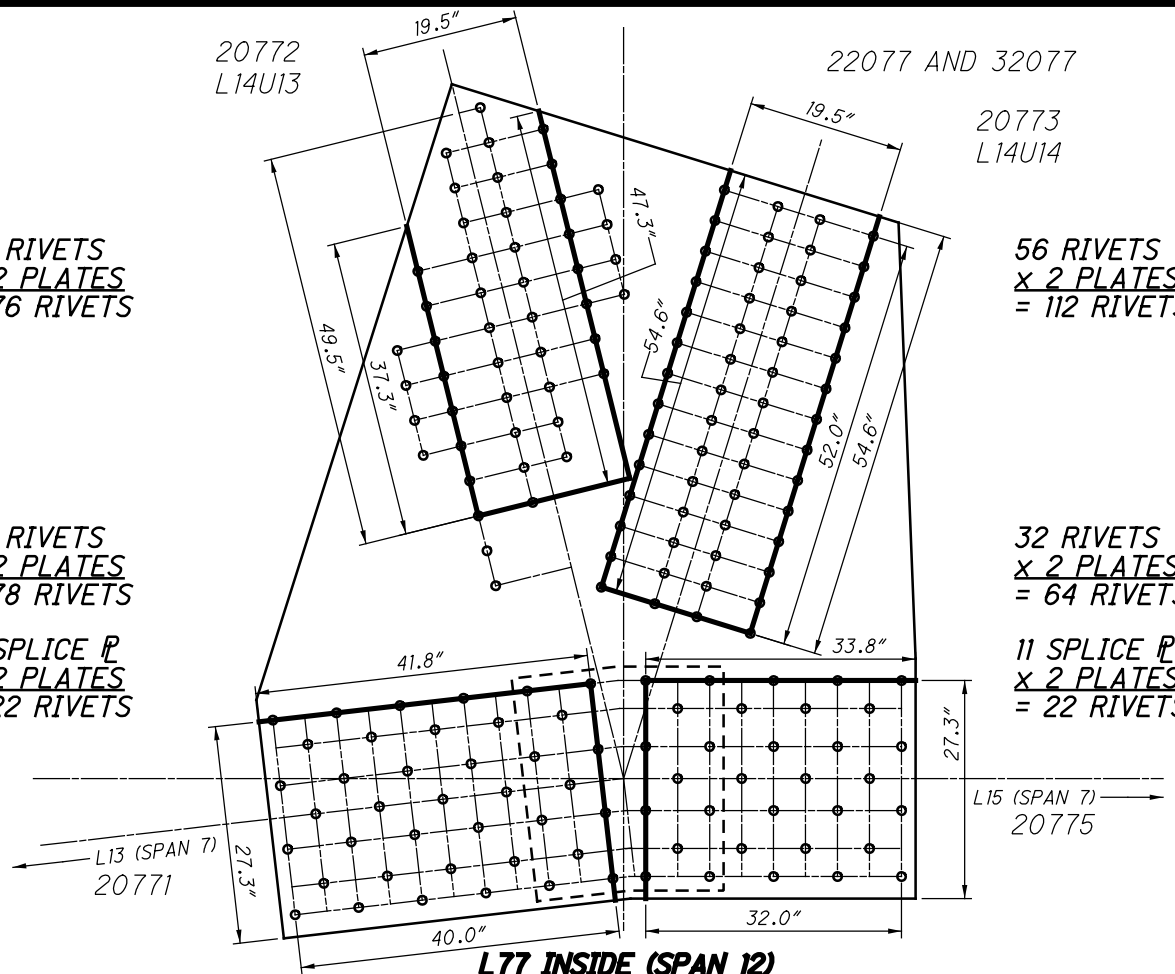
39 RIVETS
x 2 PLATES
= 78 RIVETS

11 SPLICE P
x 2 PLATES
= 22 RIVETS

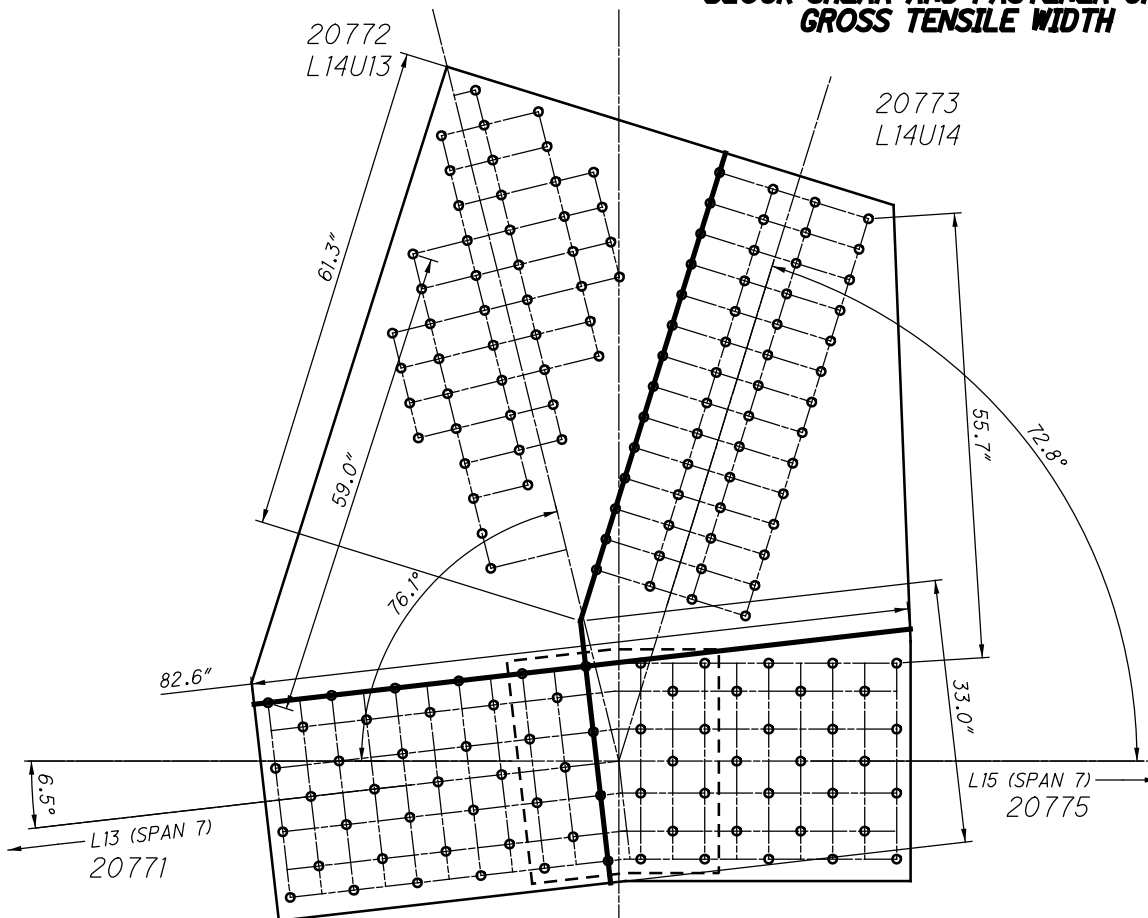
56 RIVETS
x 2 PLATES
= 112 RIVETS

32 RIVETS
x 2 PLATES
= 64 RIVETS

11 SPLICE P
x 2 PLATES
= 22 RIVETS



**L77 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

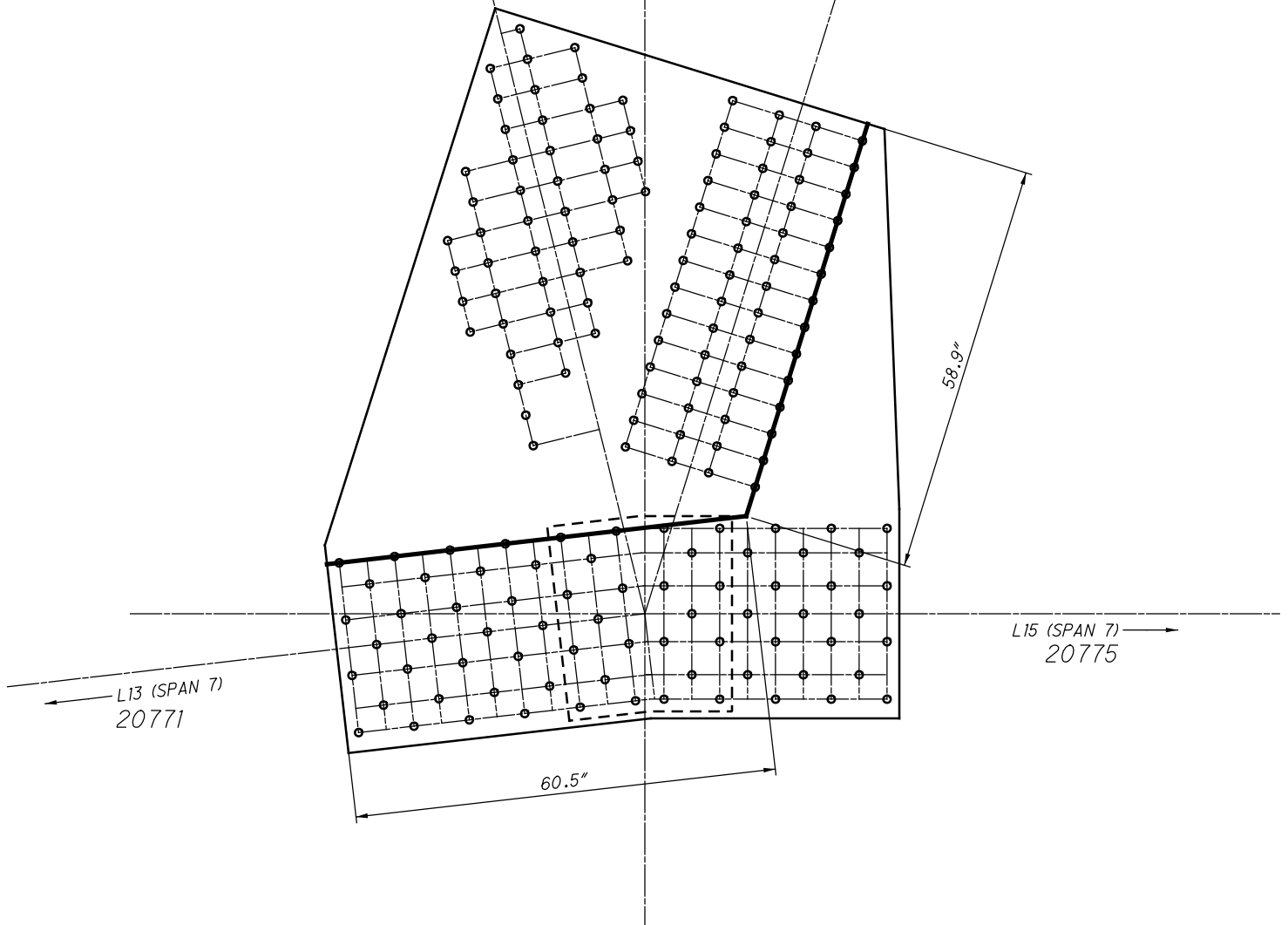


**L77 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

20772
L14U13

20773
L14U14

22077 AND 32077



**L77 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

20783
L15U15

20783
L15U15

$3\frac{23}{32}$

2'-0⁹/₁₆" 1'-4¹¹/₁₆"

$$\frac{1'-6\frac{13}{32}''}{1'-4\frac{11}{16}''}$$

A right-angled triangle with angles of 30°, 60°, and 90°. The side opposite the 30° angle is labeled 6". The other two sides are labeled 2 3/4" each.

Diagram illustrating a roof truss section with a horizontal span of 6" and a vertical rise of $2\frac{3}{4}$ ".

Diagram showing a 4x4 grid of circles. A dimension of $4\frac{7}{8}$ is indicated across the top row. A dimension of $10@4$ is indicated along the left side.

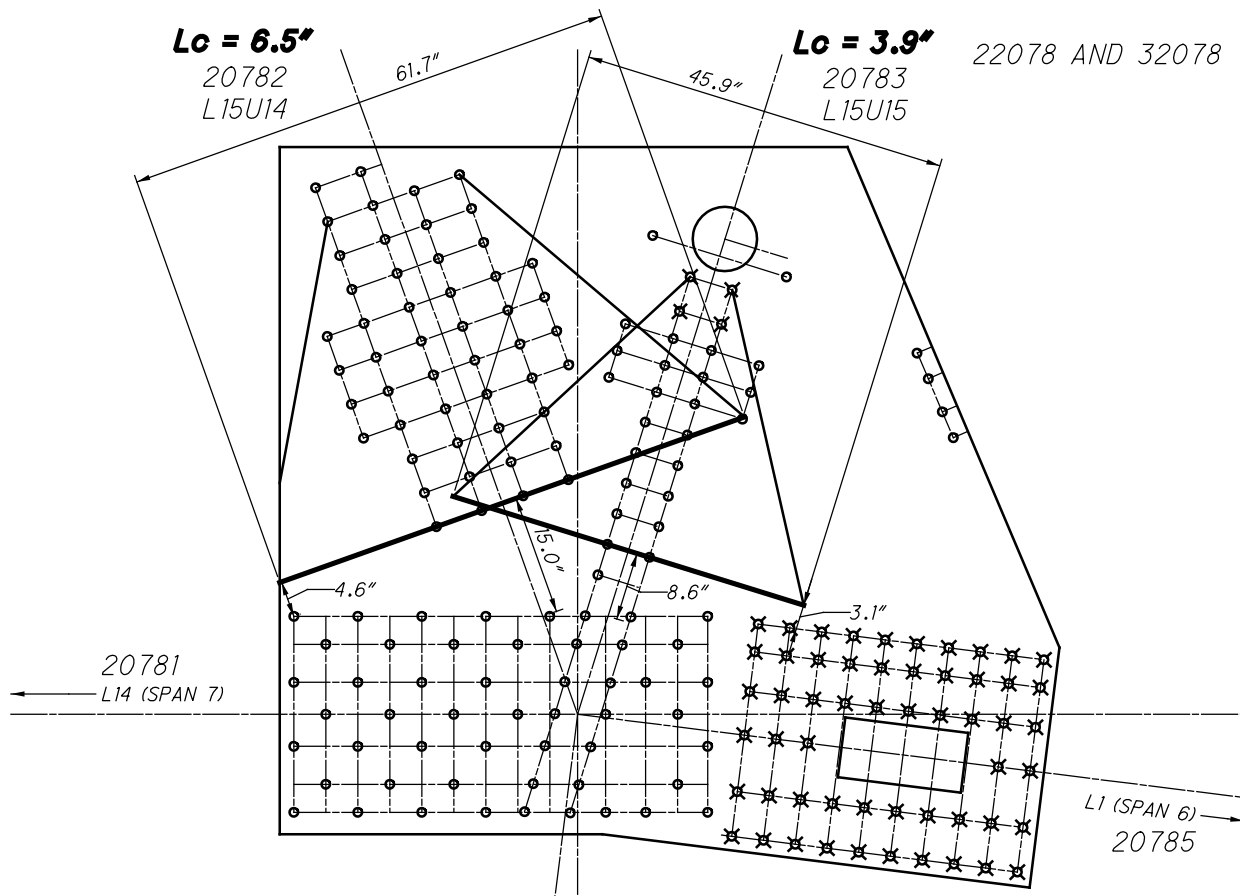
10 @ 4 1/2 = 3'

 $2' - 4\frac{1}{32}"$

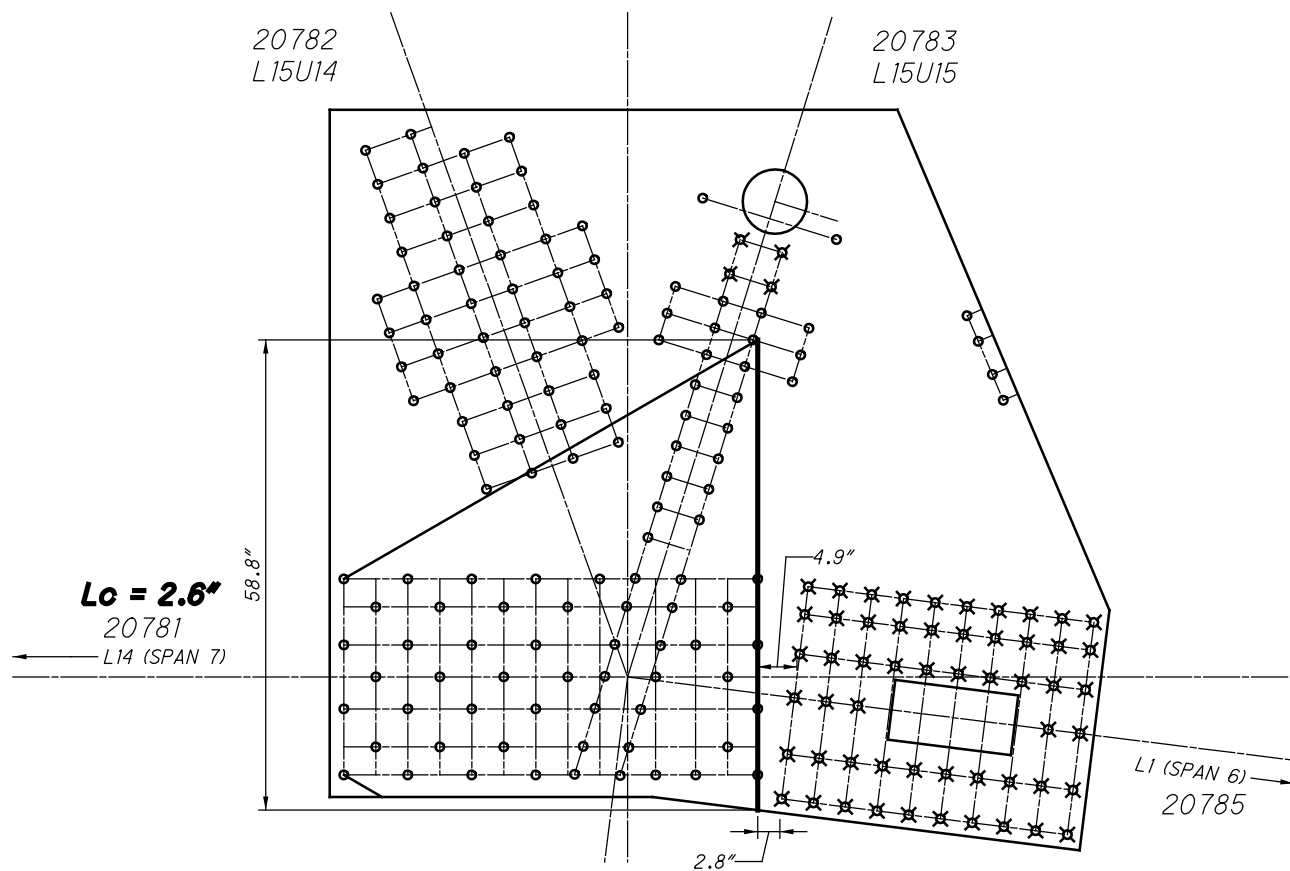
6@4=2'-0"

6@4=2'-0"

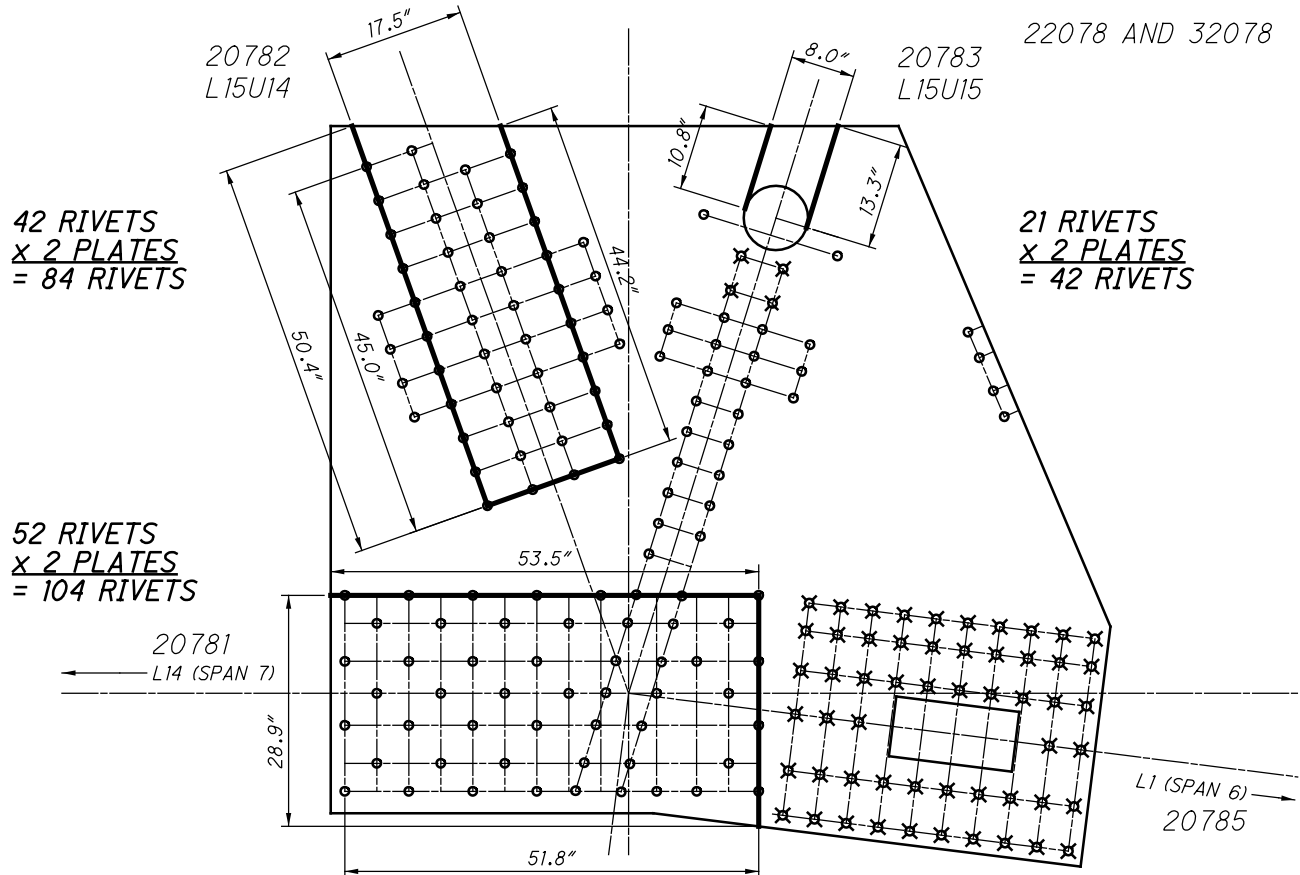
L78 INSIDE (SPAN 12)



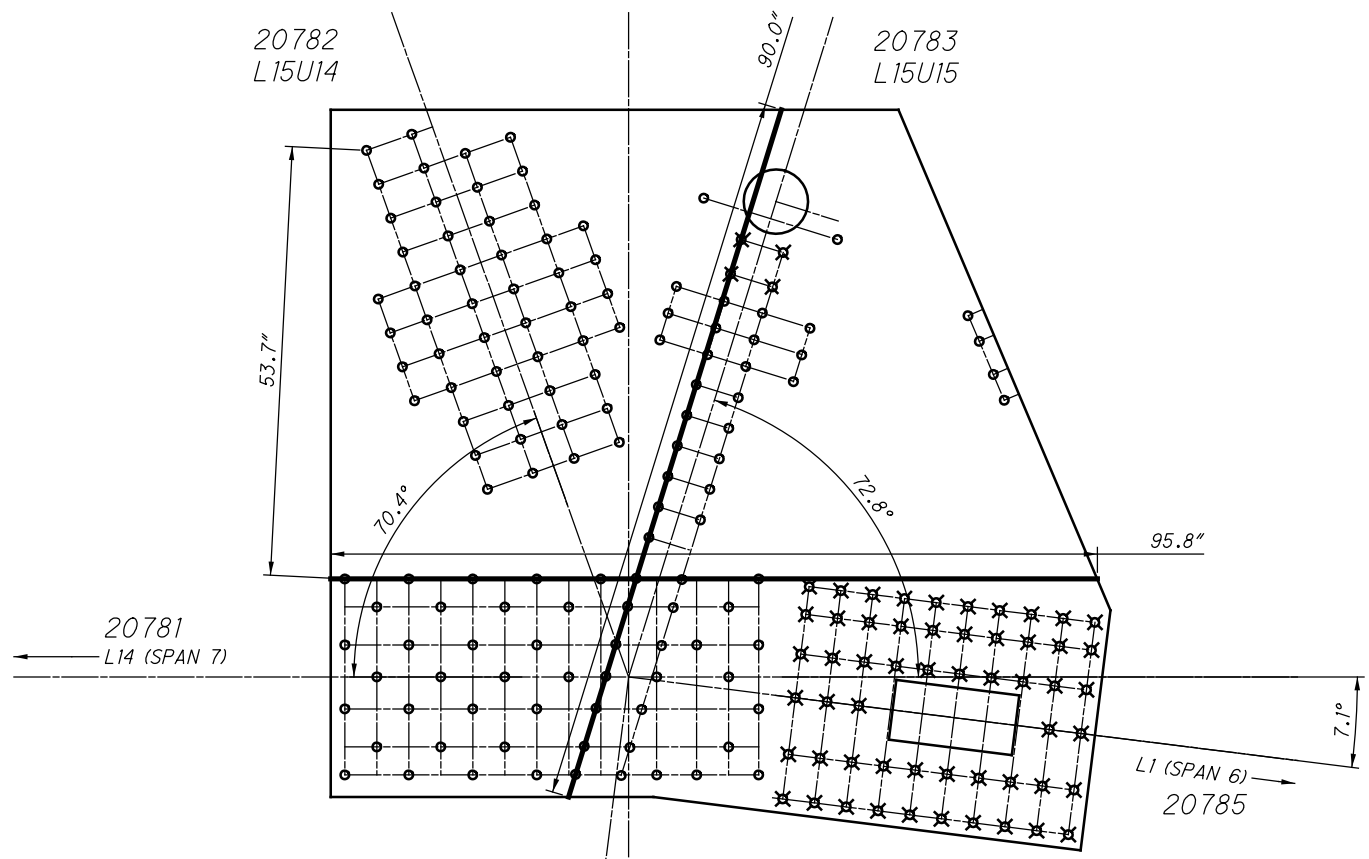
**L78 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L78 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L78 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L78 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

22078 AND 32078

20782
L15U14

20783
L15U15

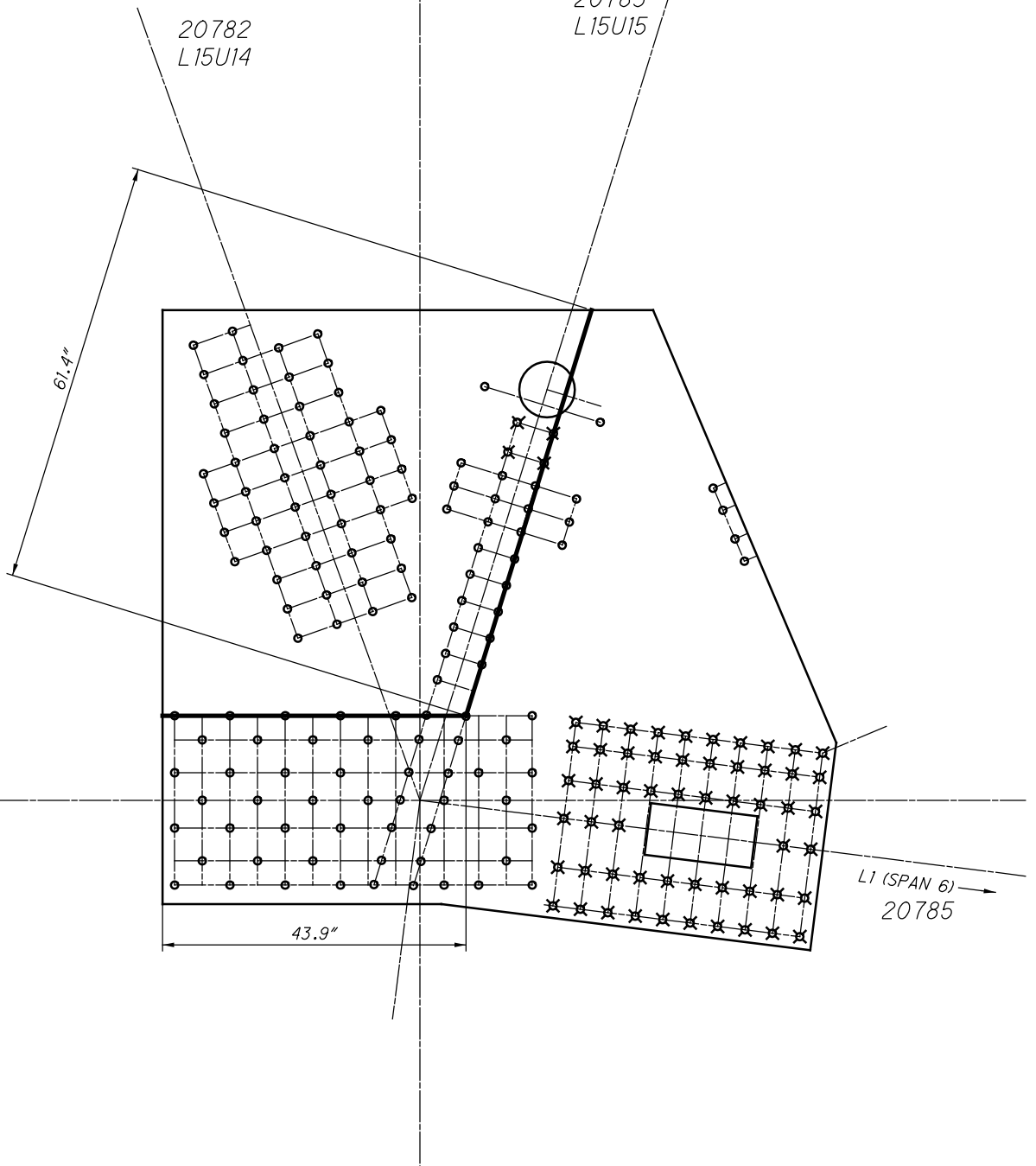
61.4"

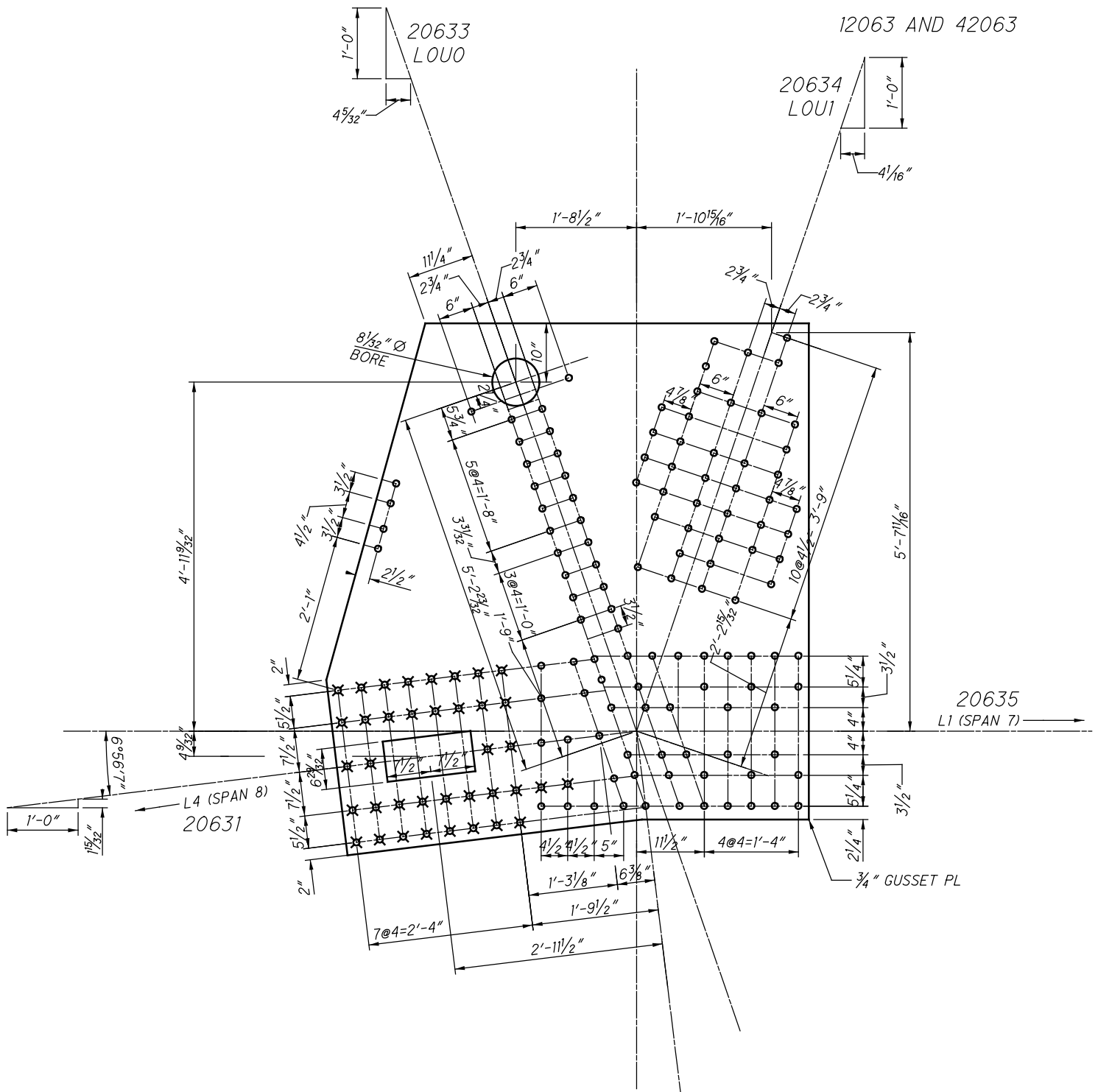
20781
L14 (SPAN 7)

43.9"

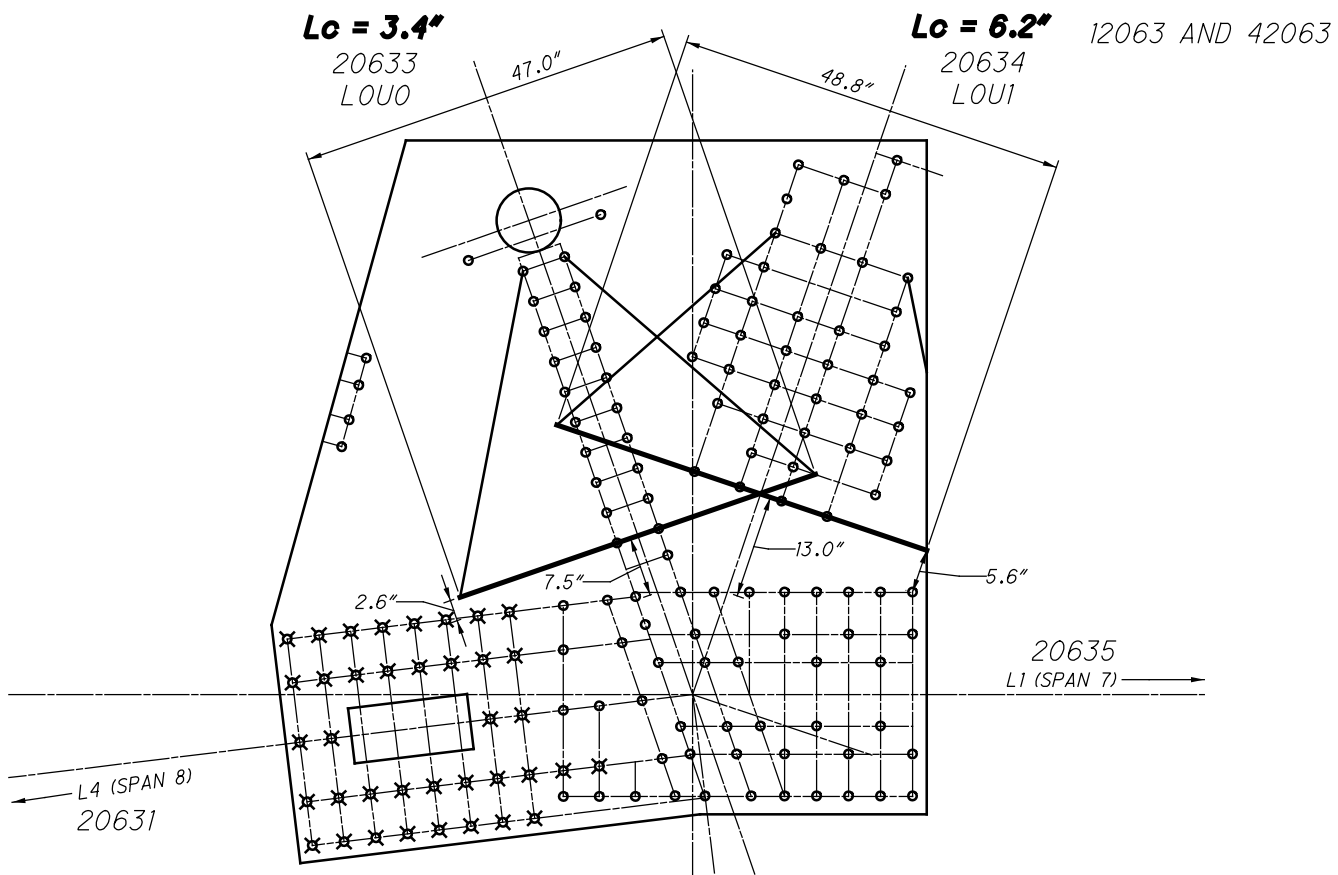
L1 (SPAN 6)
20785

**L78 INSIDE (SPAN 12)
QUADRANT DIMENSIONS**

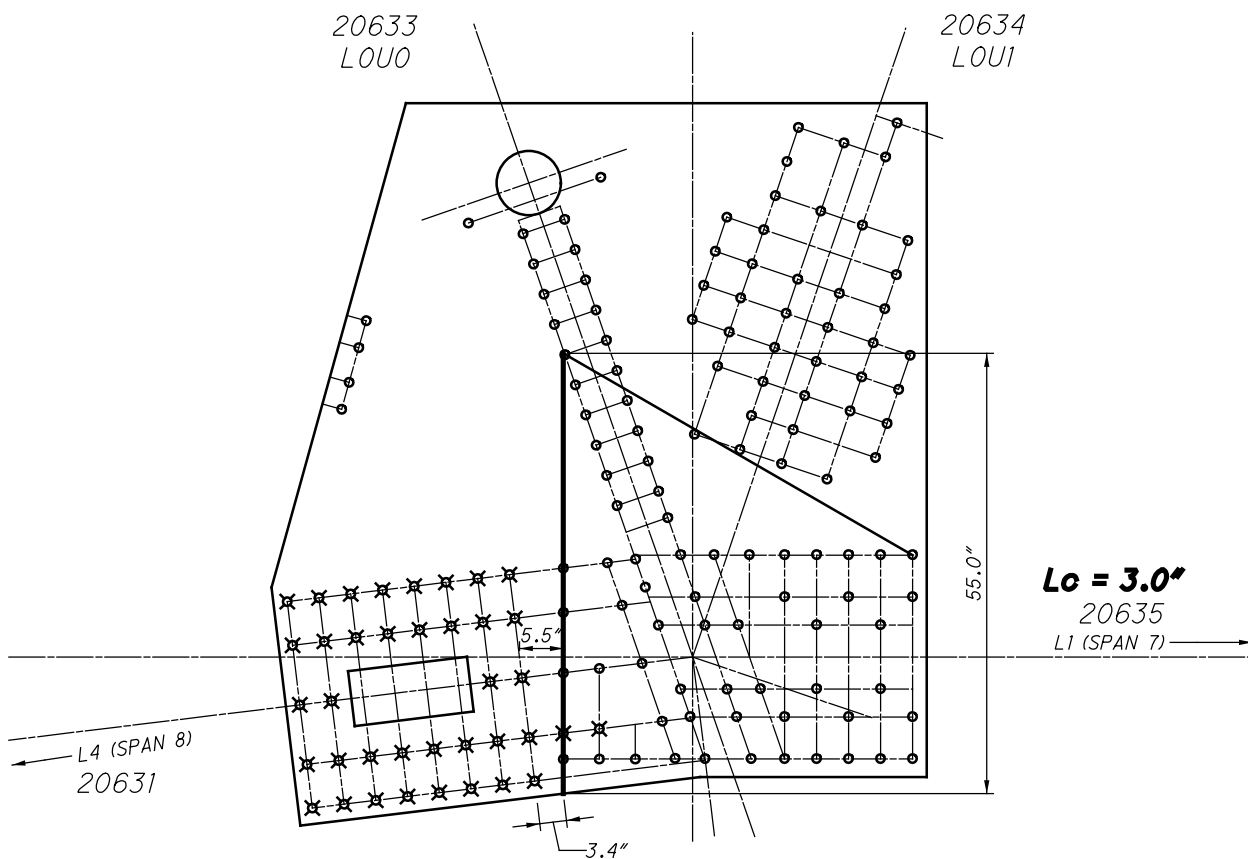




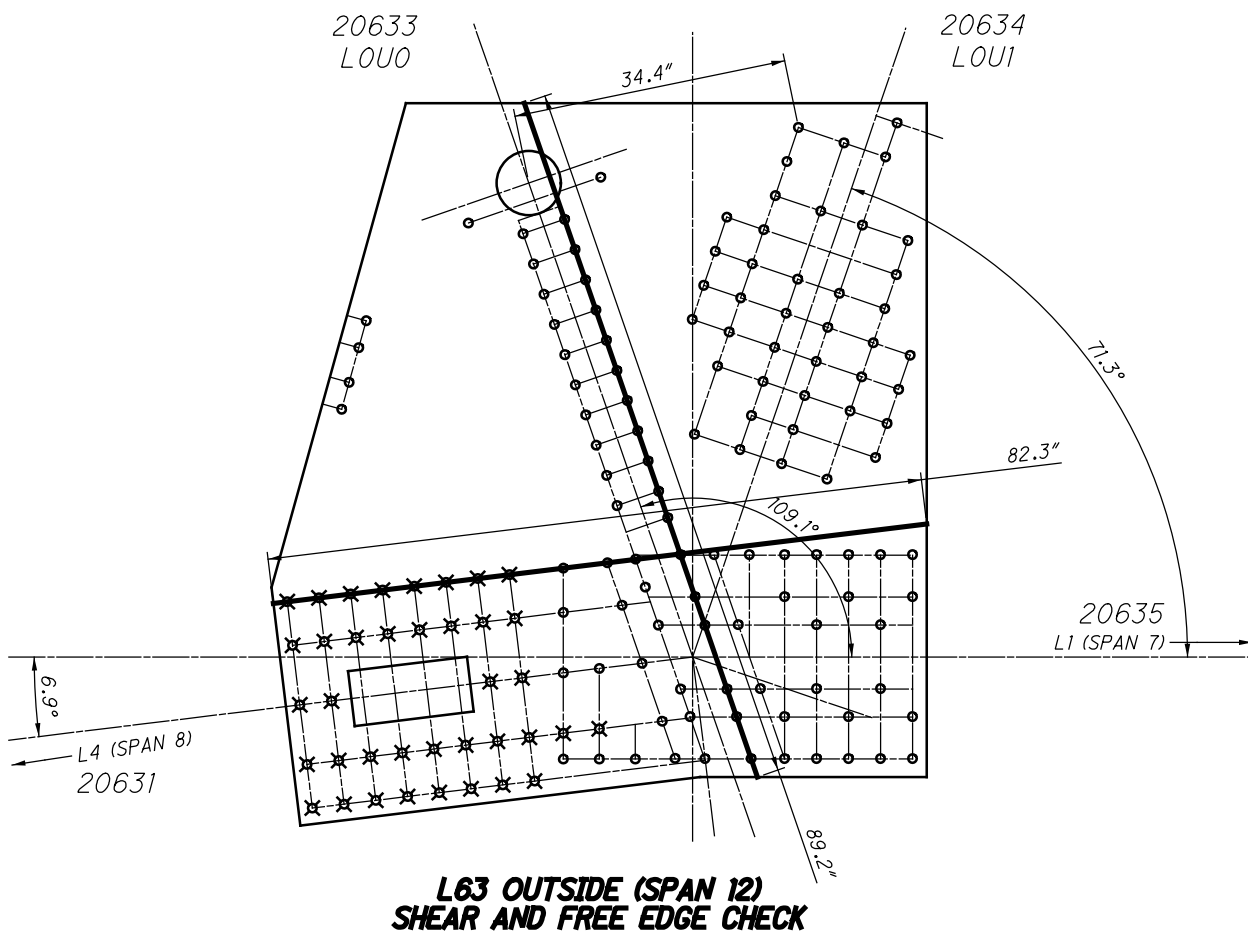
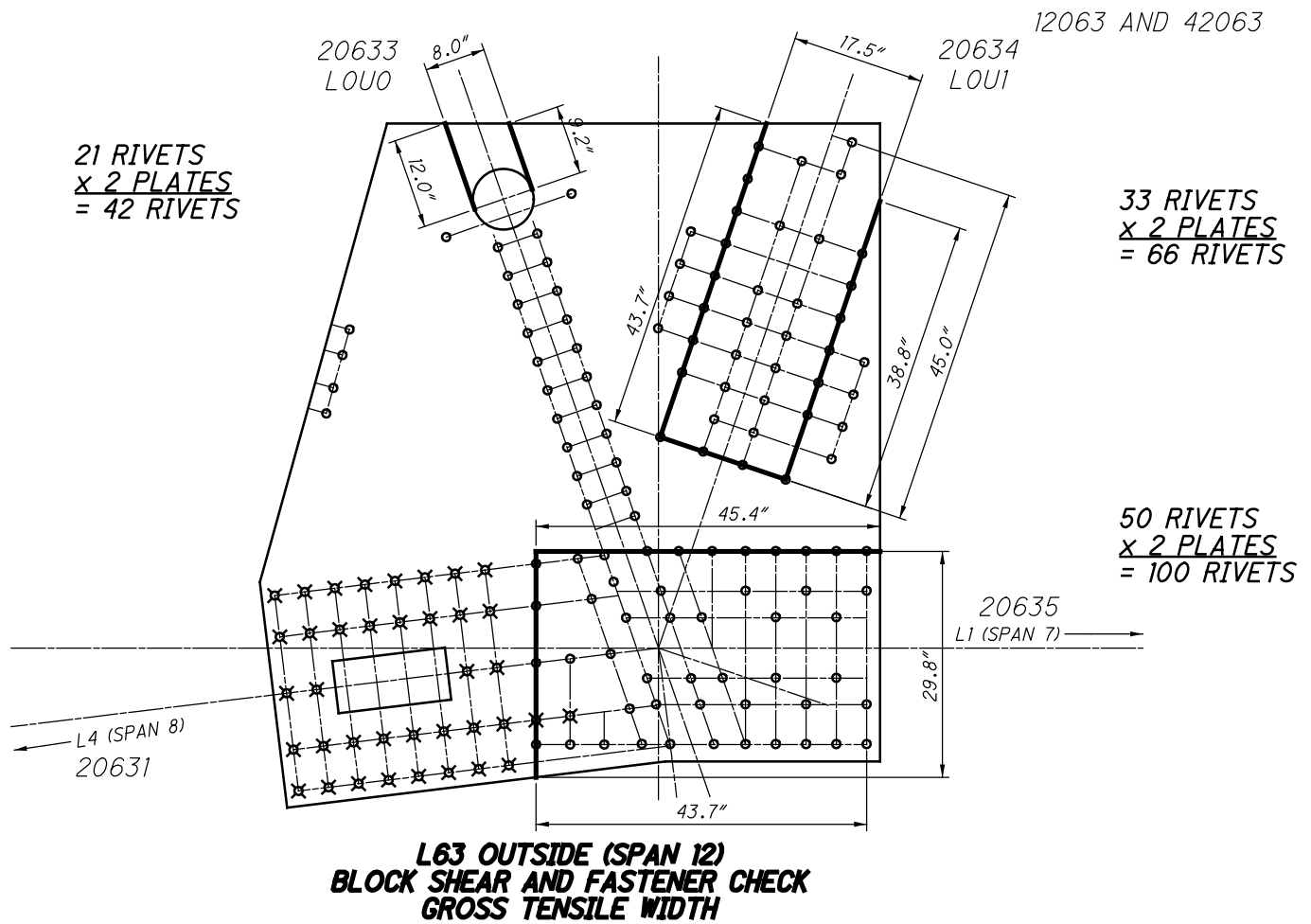
L63 OUTSIDE (SPAN 12)



**L63 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



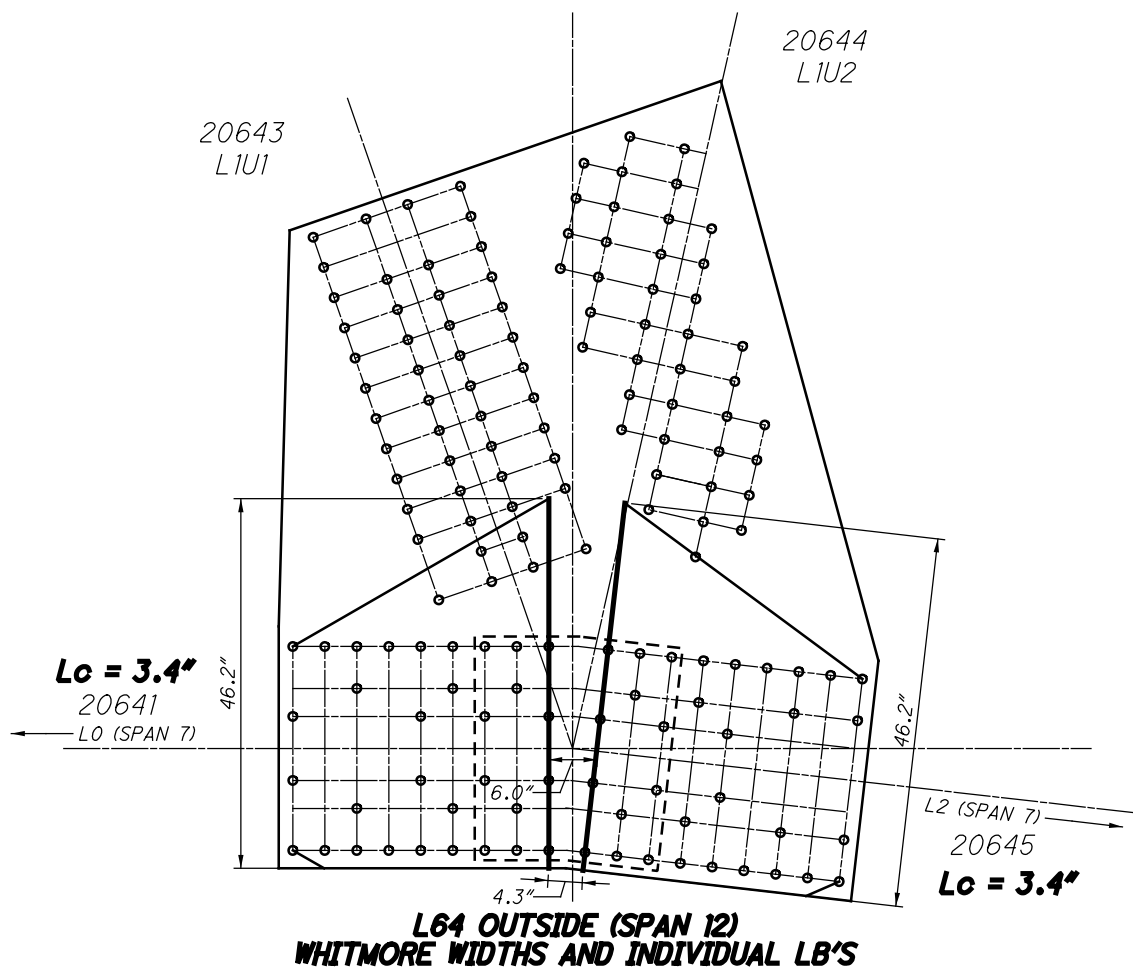
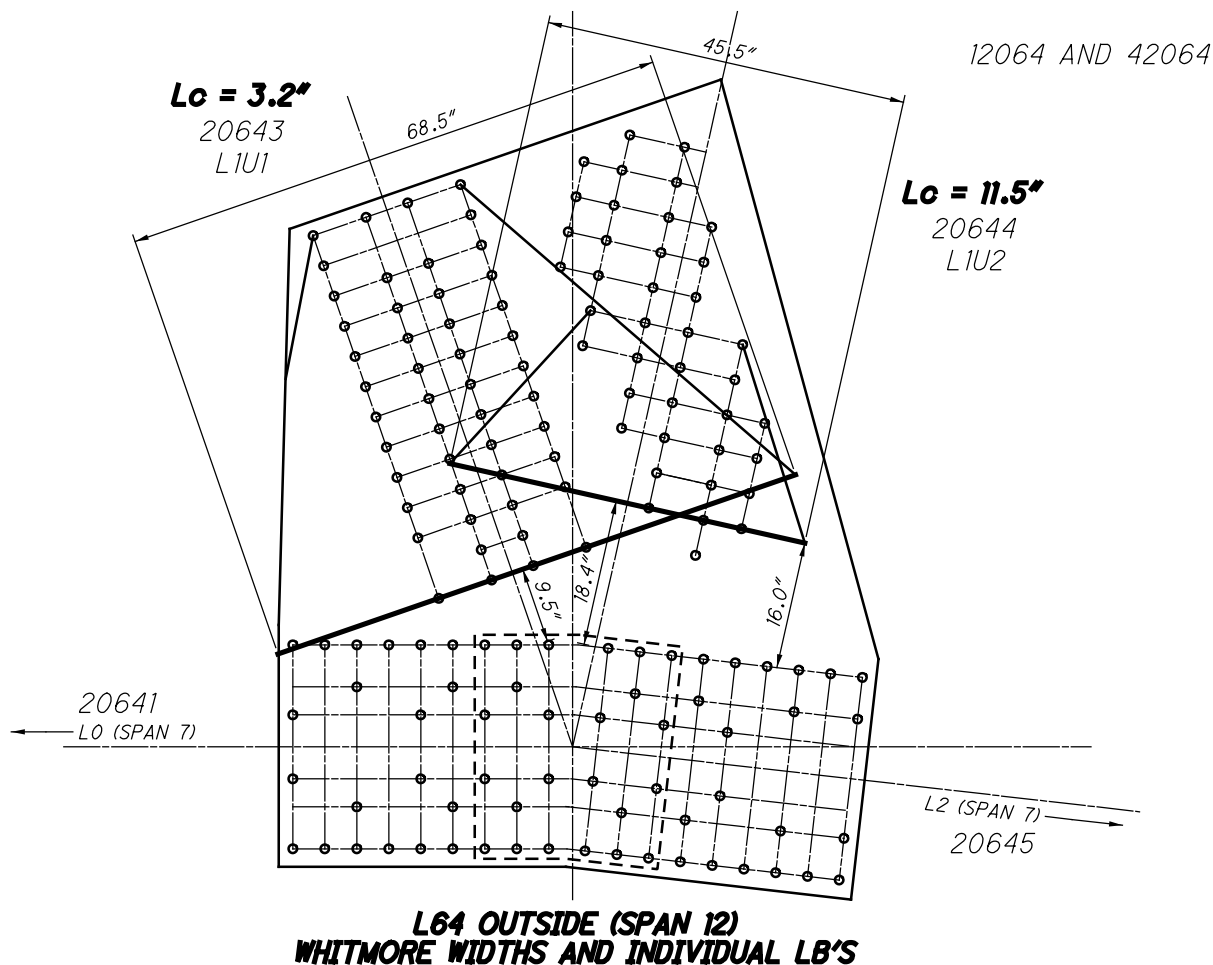
**L63 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L63 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**

[illegible]

L64 OUTSIDE (SPAN 12)

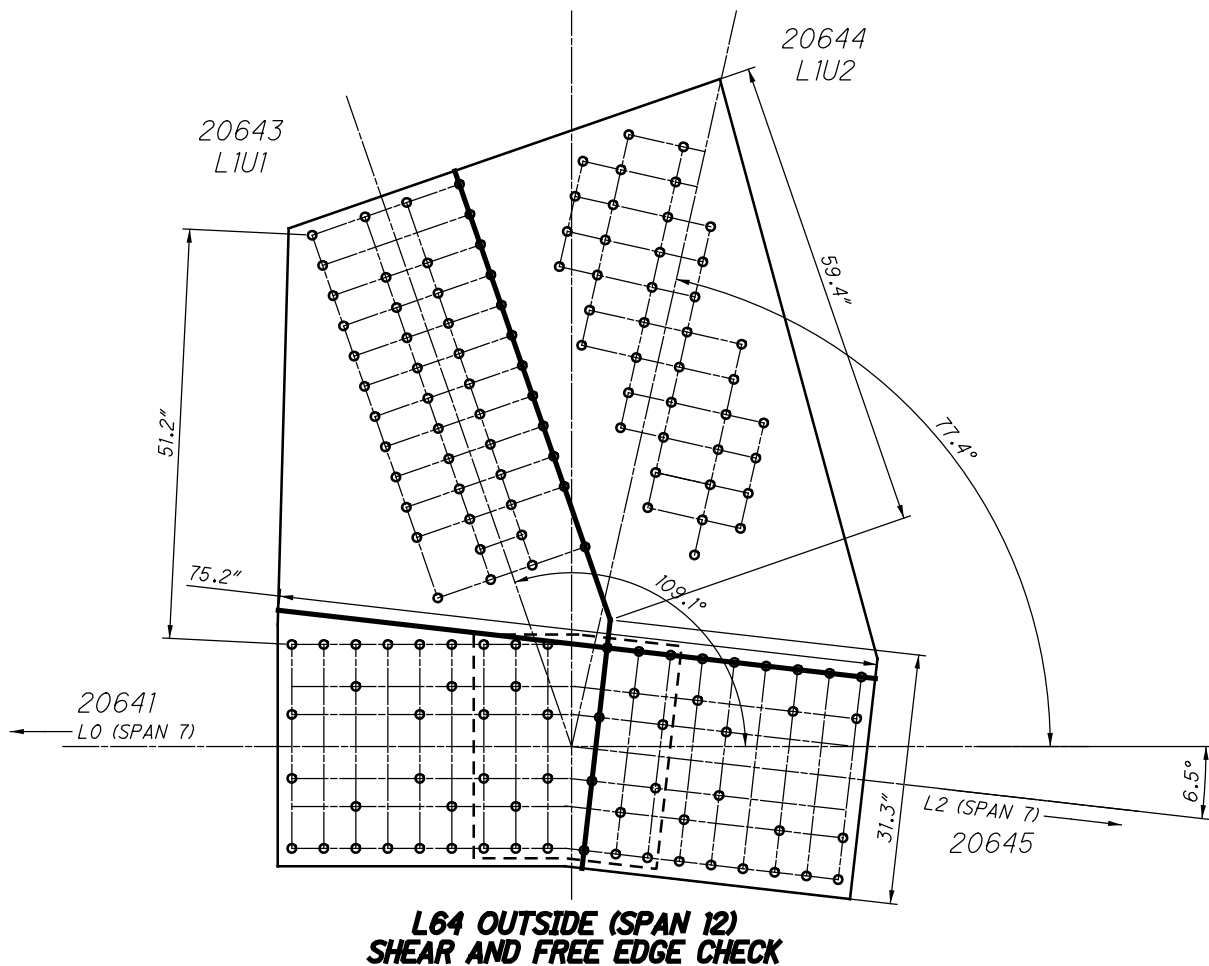
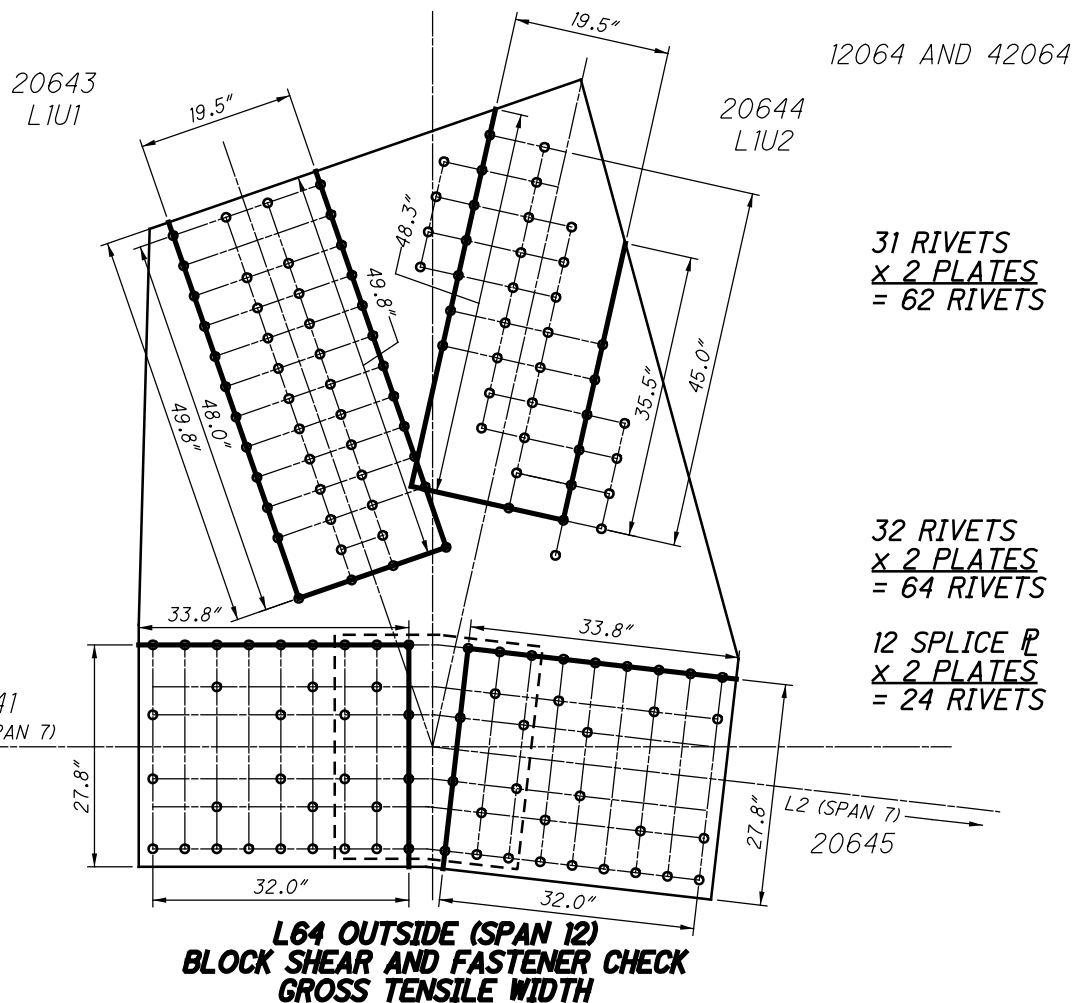


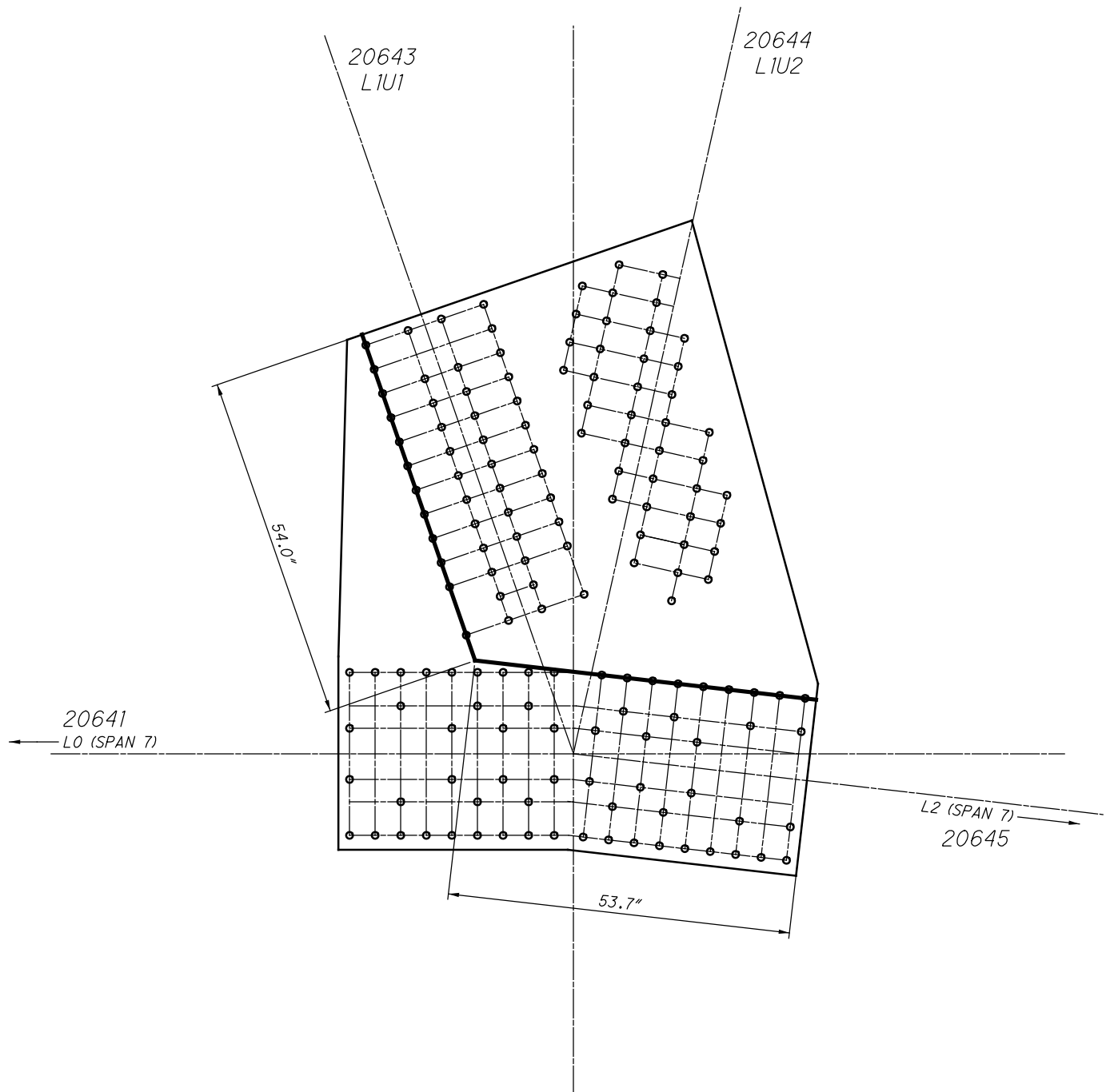
48 RIVETS
x 2 PLATES
= 96 RIVETS

32 RIVETS
x 2 PLATES
= 64 RIVETS

12 SPLICE P
x 2 PLATES
= 24 RIVETS

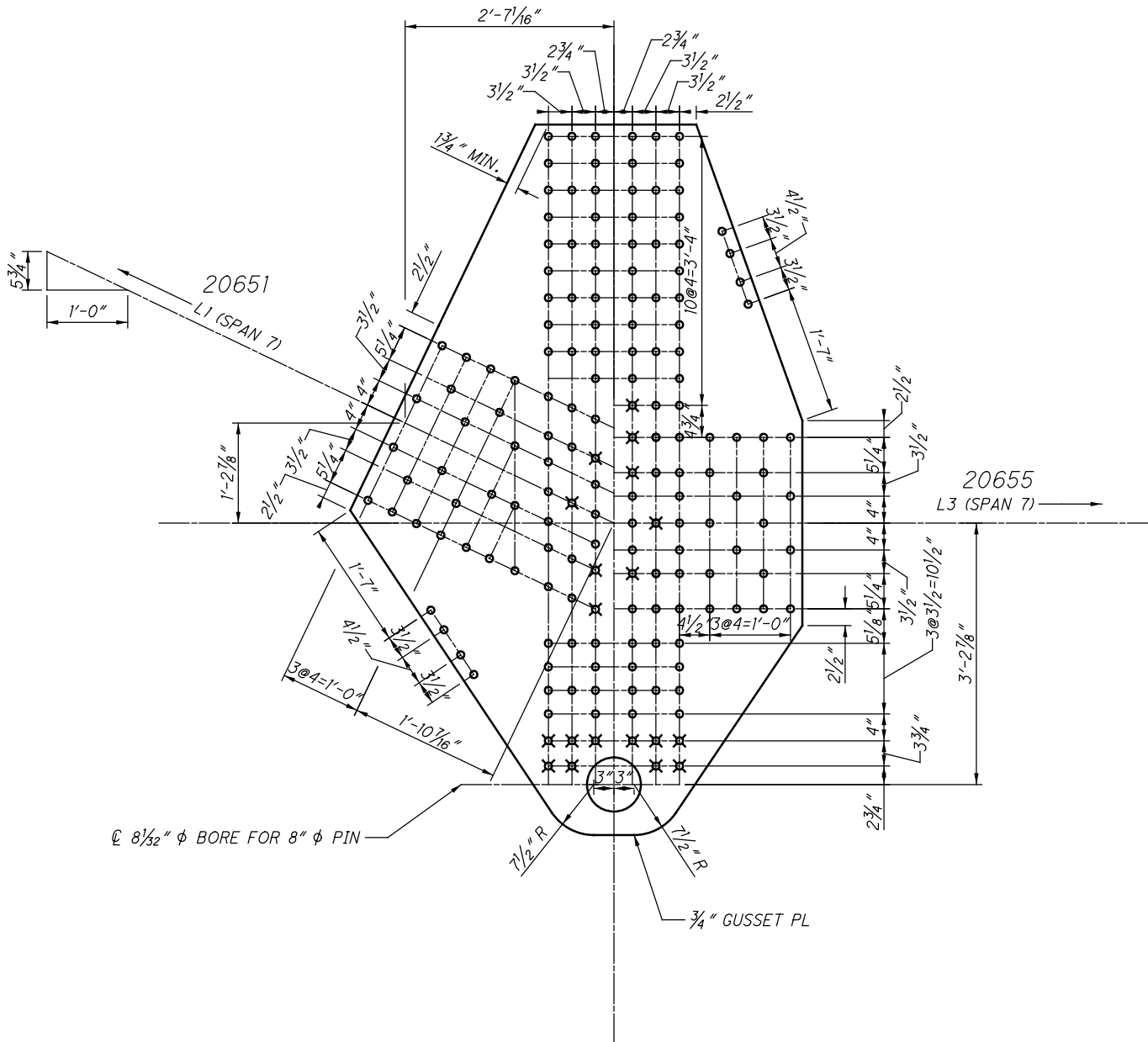
20641
LO (SPAN 7)





**L64 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**

20653
L2U2



L65 OUTSIDE (SPAN 12)
(PIN PLATES NOT SHOWN)

20653
L2U2

12065 AND 42065

20651
L1 (SPAN 7)

20655
L3 (SPAN 7)

57.5"

L65 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S
(PIN PLATES NOT SHOWN)

$L_c = 2.3"$

20651

L1 (SPAN 7)

61.7"

$L_c = 0.0"$

20655

L3 (SPAN 7)

52.6"

7.0"

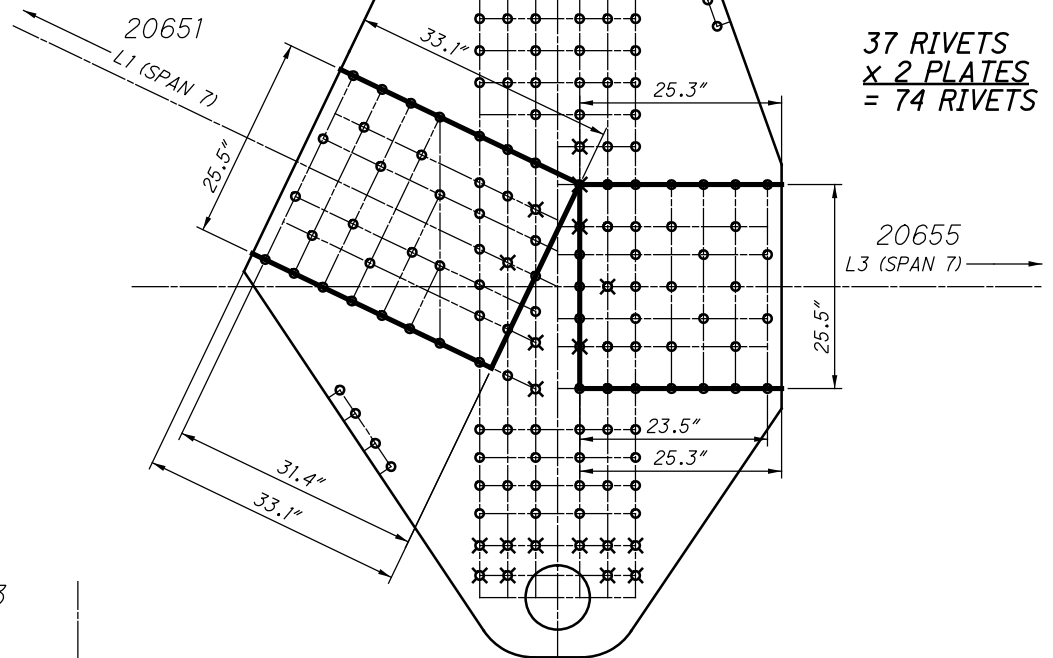
L65 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S
(PIN PLATES NOT SHOWN)

20653
L2U2

12065 AND 42065

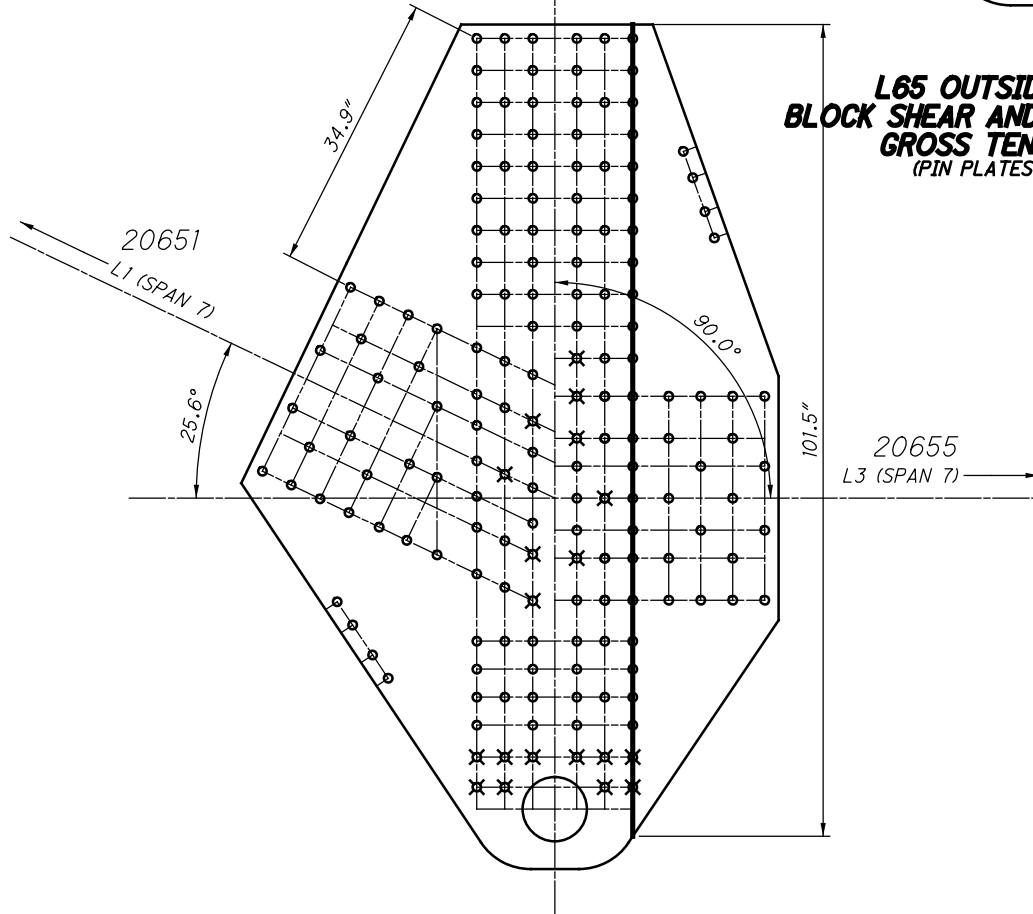
37 RIVETS
x 2 PLATES
= 74 RIVETS

37 RIVETS
x 2 PLATES
= 74 RIVETS



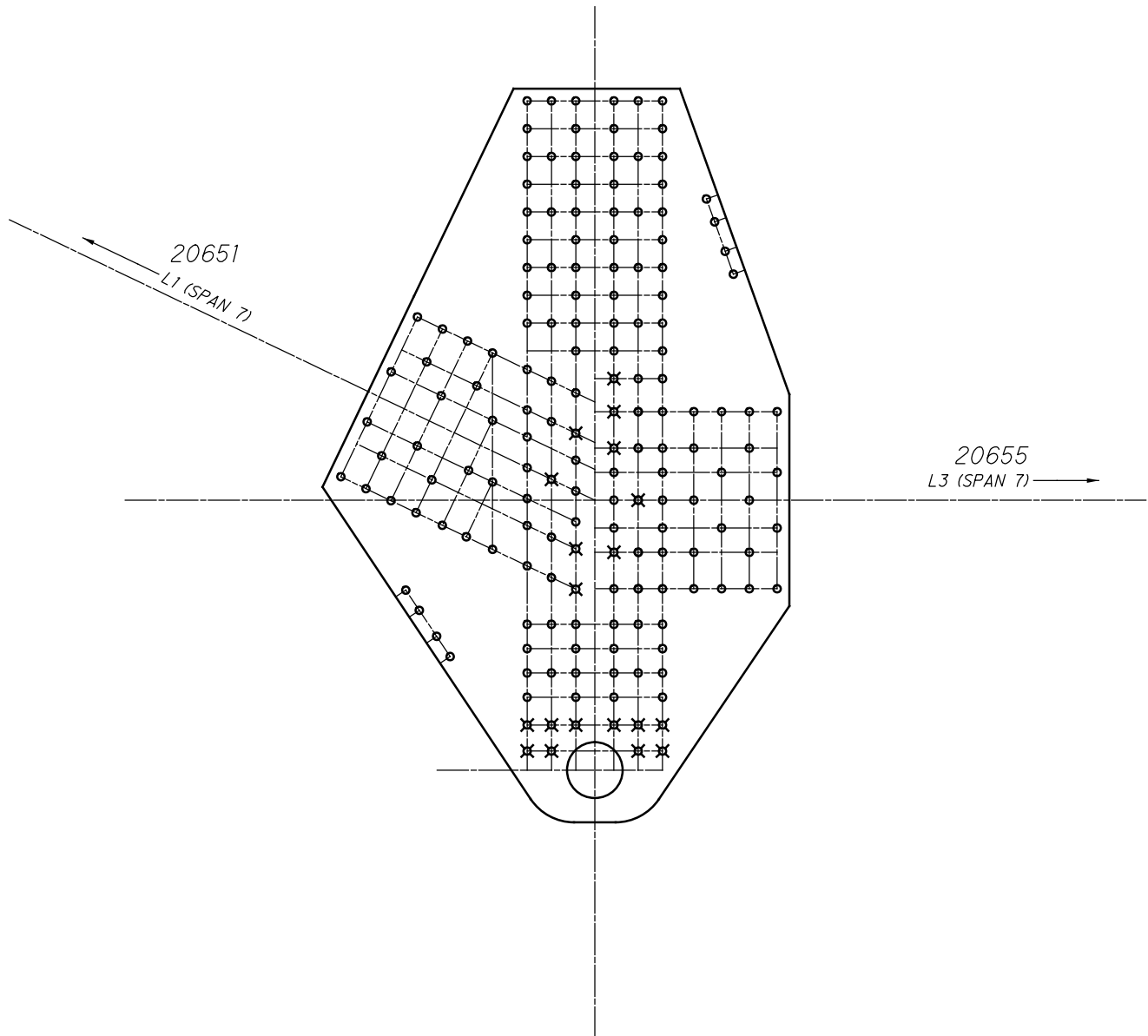
20653
L2U2

**L65 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**
(PIN PLATES NOT SHOWN)

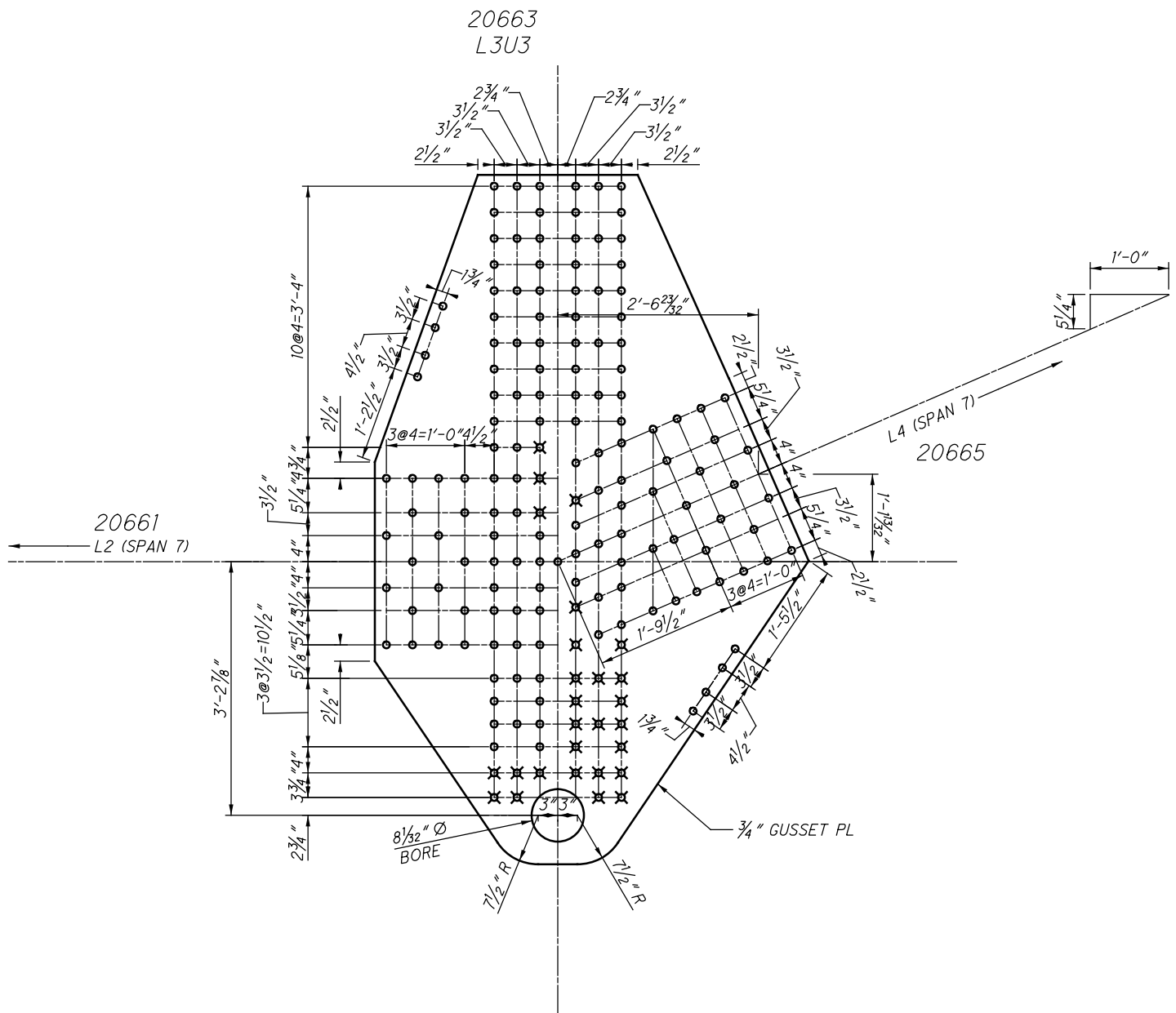


**L65 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**
(PIN PLATES NOT SHOWN)

20653
L2U2



L65 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS
(PIN PLATES NOT SHOWN)



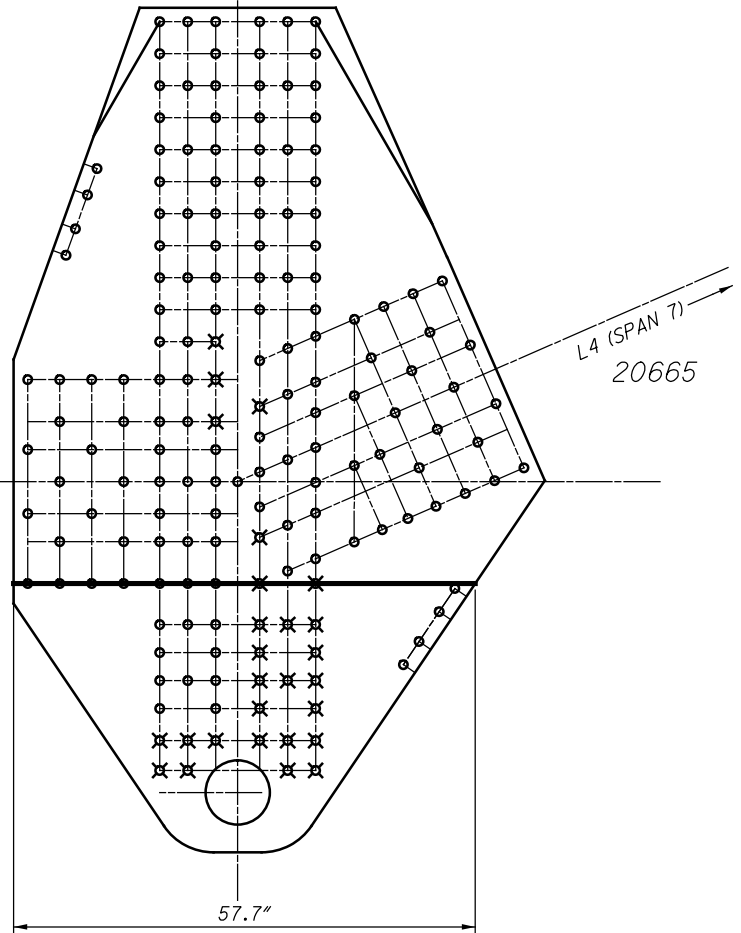
L66 OUTSIDE (SPAN 12)

20663
L3U3

12066 AND 42066

20661
L2 (SPAN 7)

L4 (SPAN 7)
20665



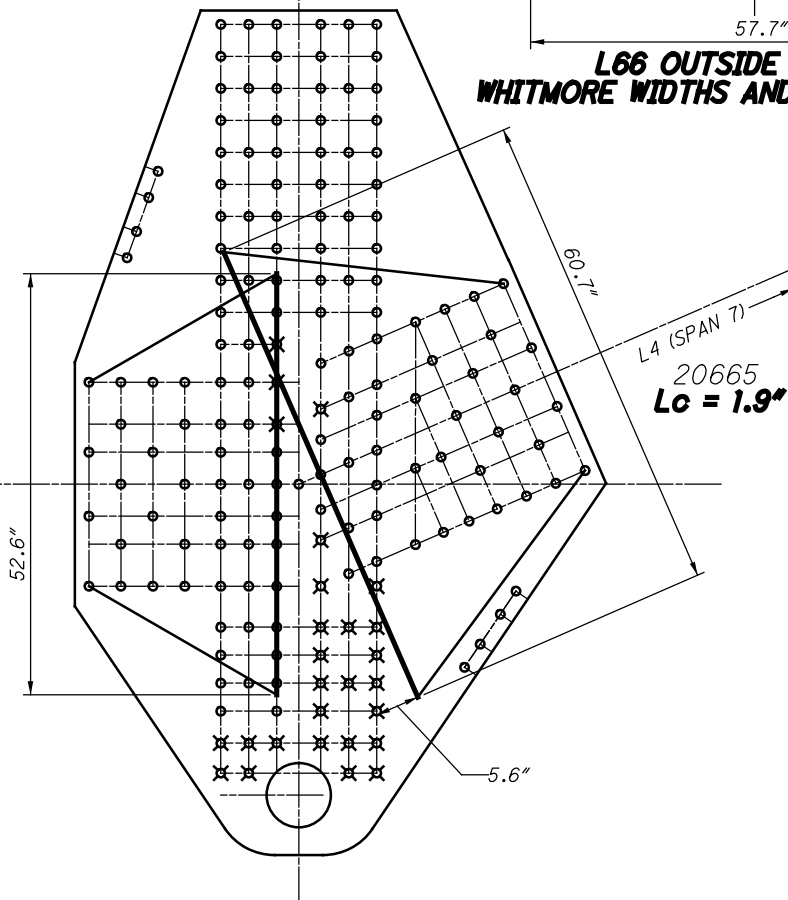
**L66 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20663
L3U3

$L_c = 0.0"$

20661
L2 (SPAN 7)

L4 (SPAN 7)
20665
 $L_c = 1.9"$



**L66 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20663
L3U3

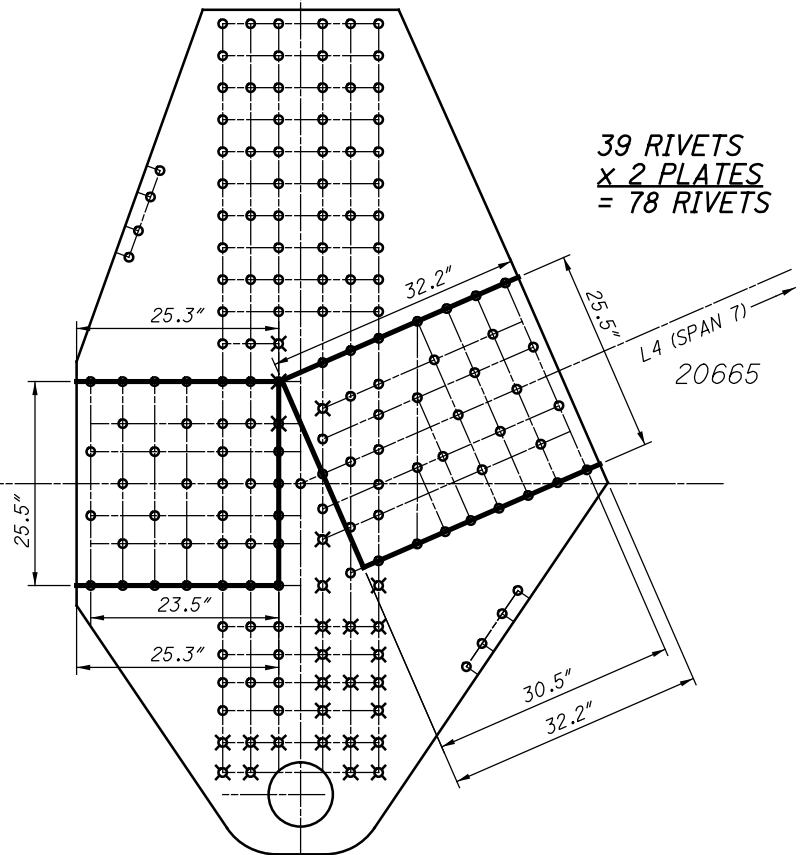
12066 AND 42066

37 RIVETS
x 2 PLATES
= 74 RIVETS

39 RIVETS
x 2 PLATES
= 78 RIVETS

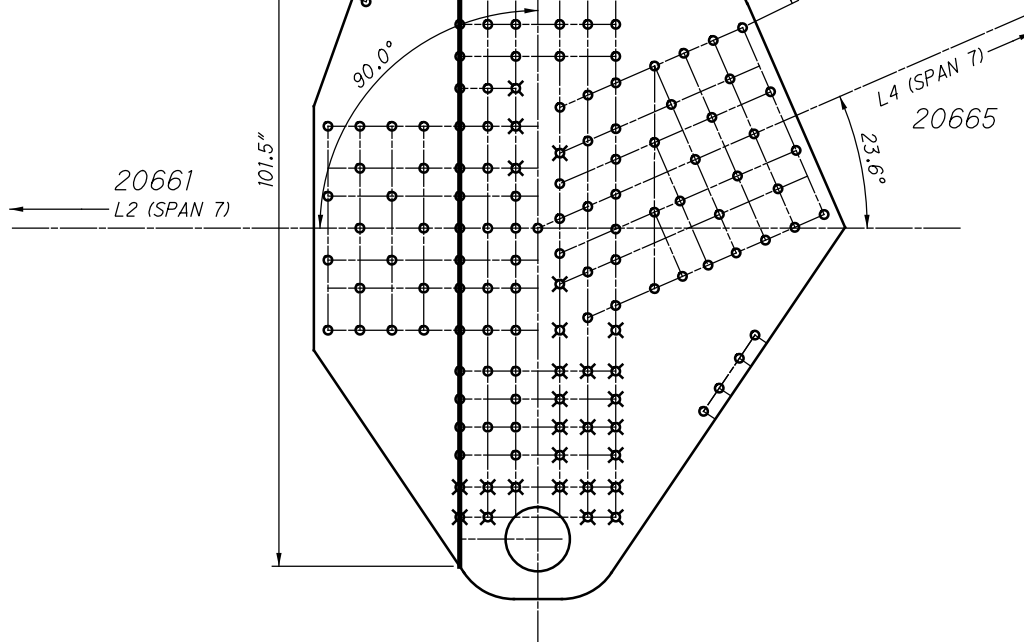
20661
L2 (SPAN 7)

L4 (SPAN 7)
20665

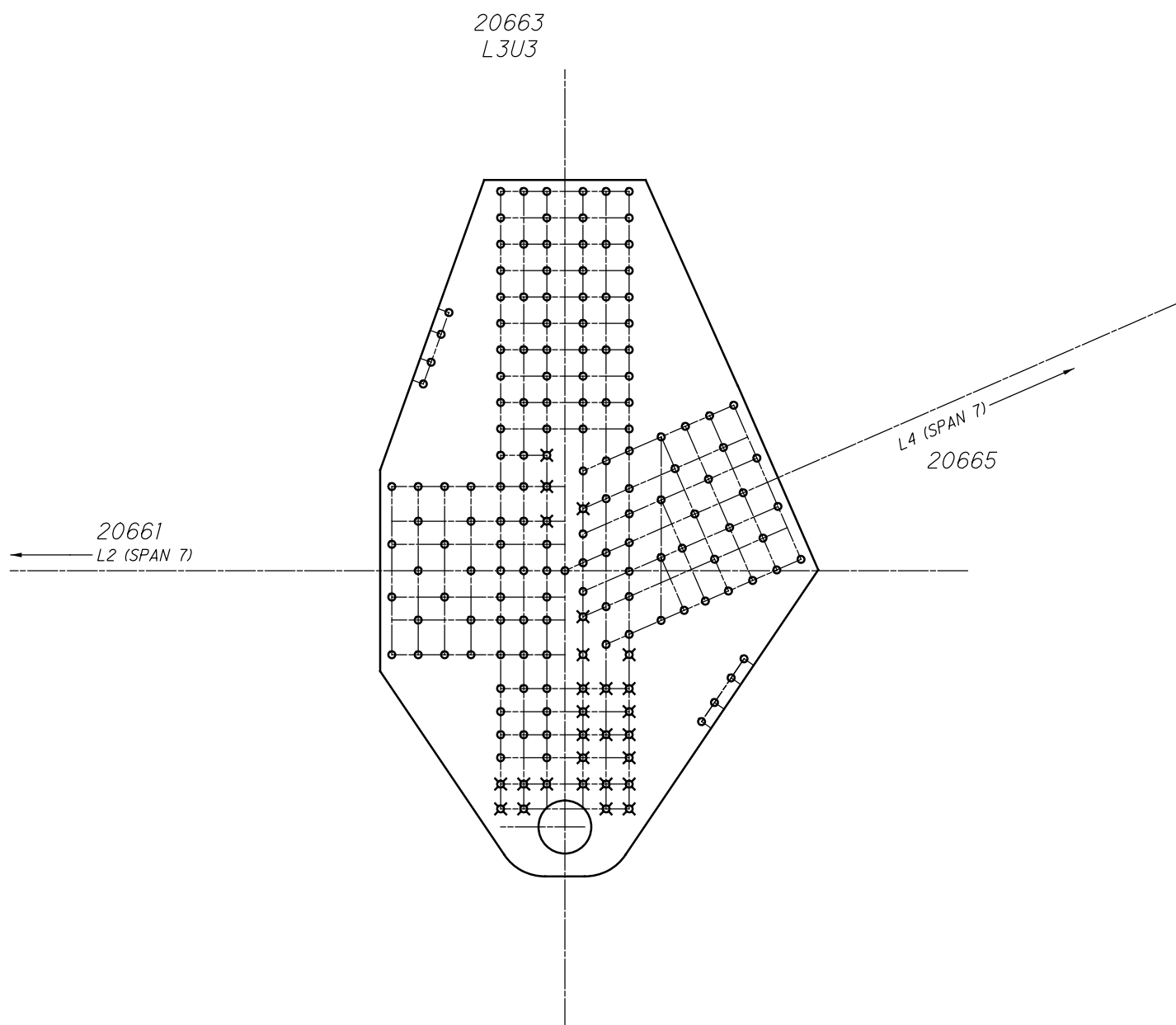


20663
L3U3

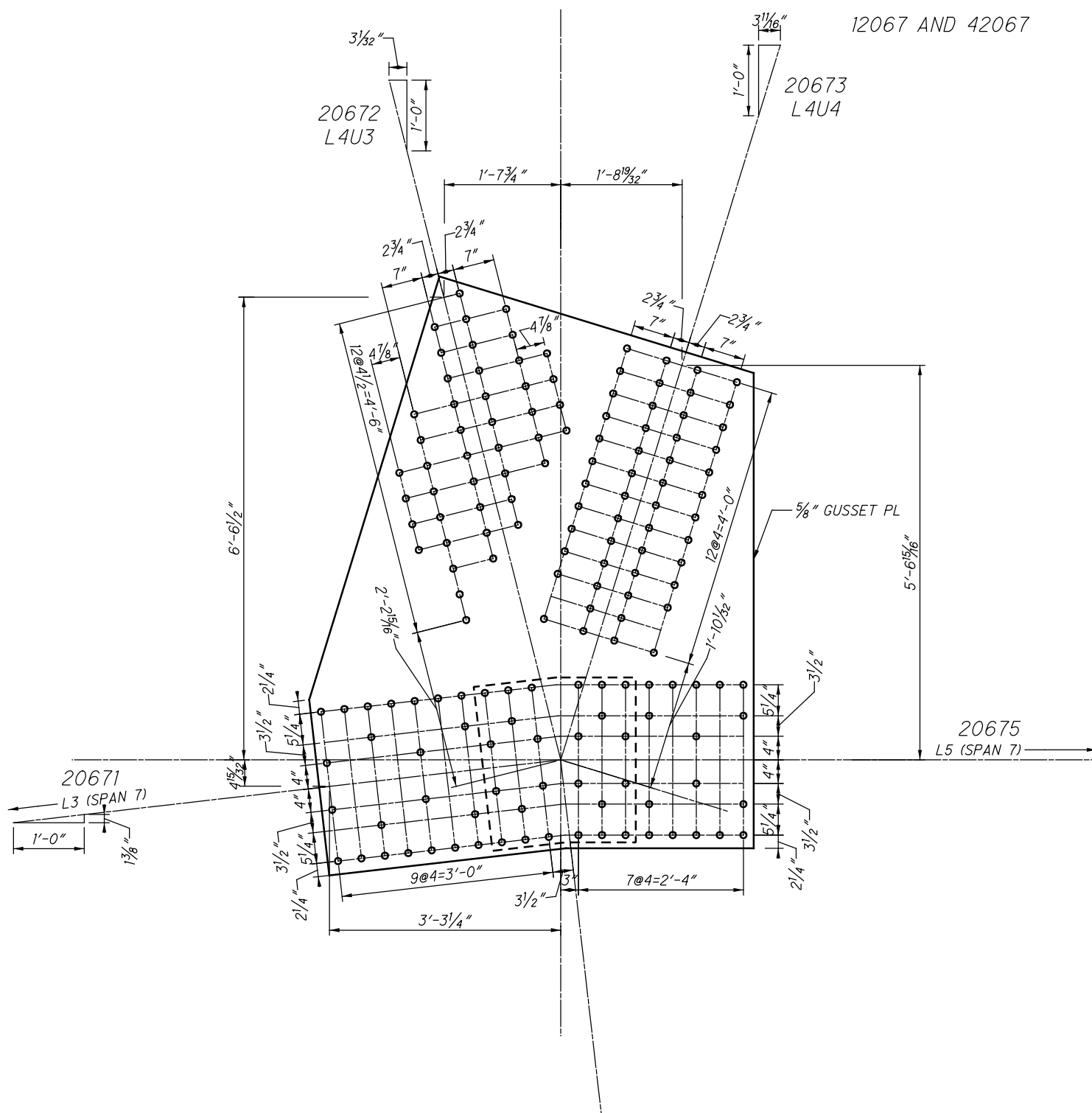
**L66 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

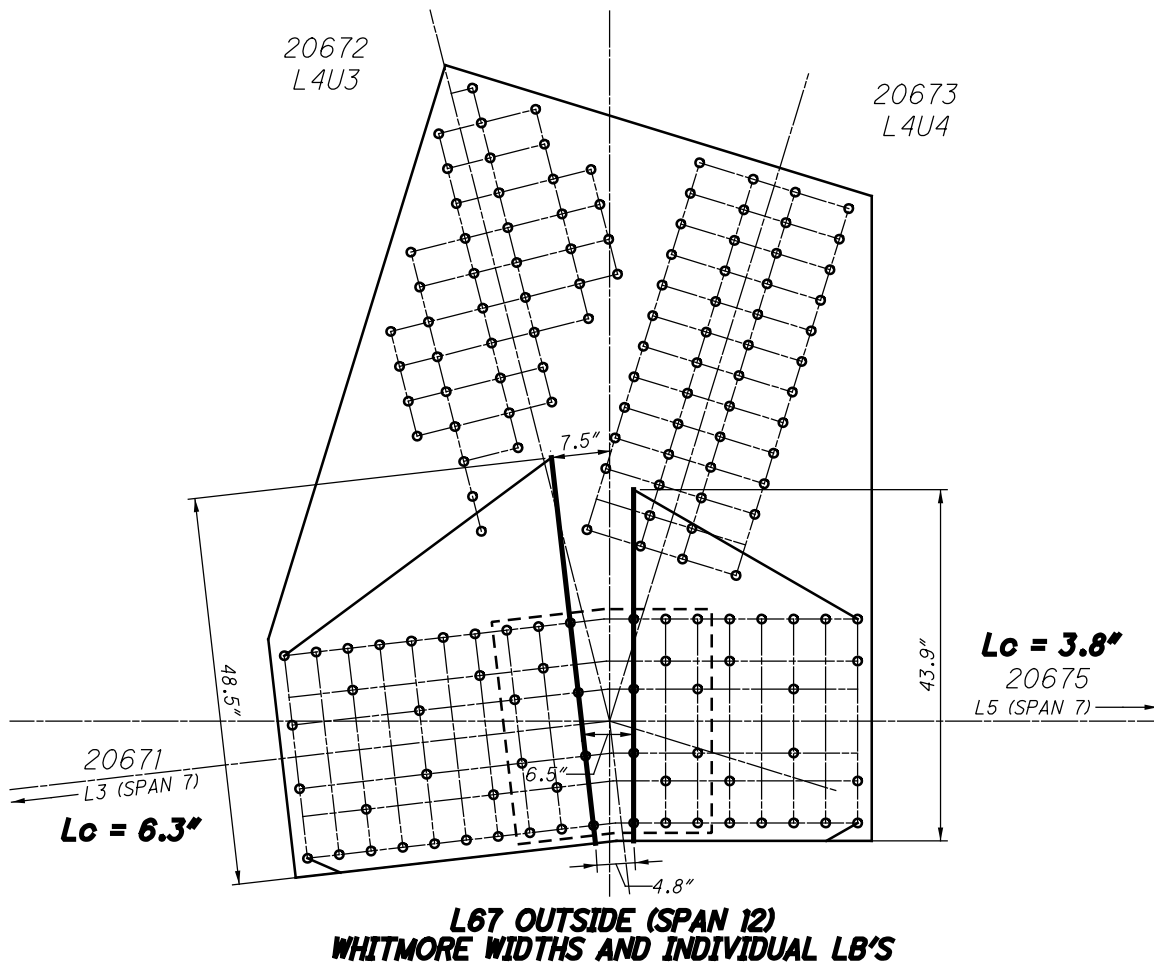
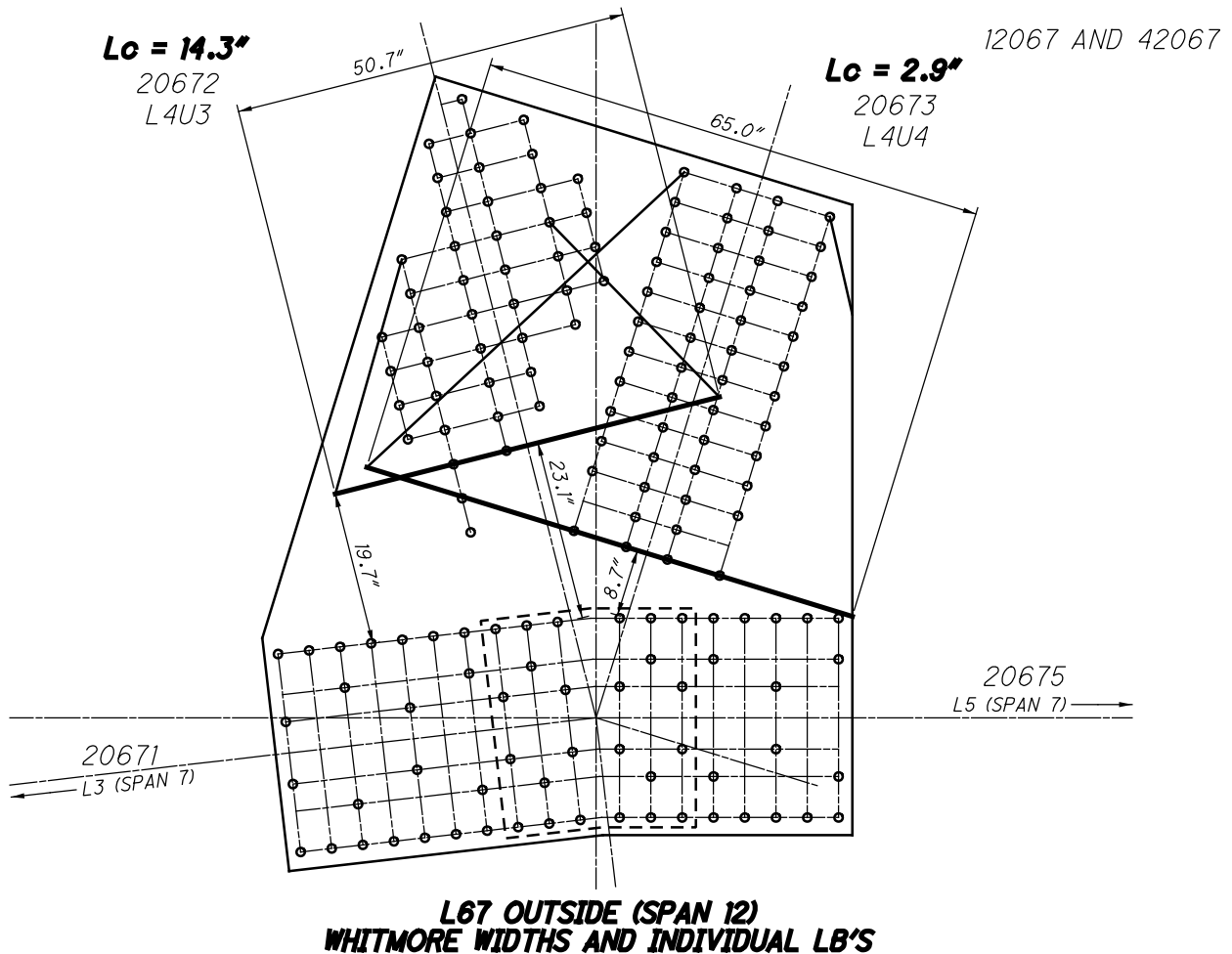


**L66 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

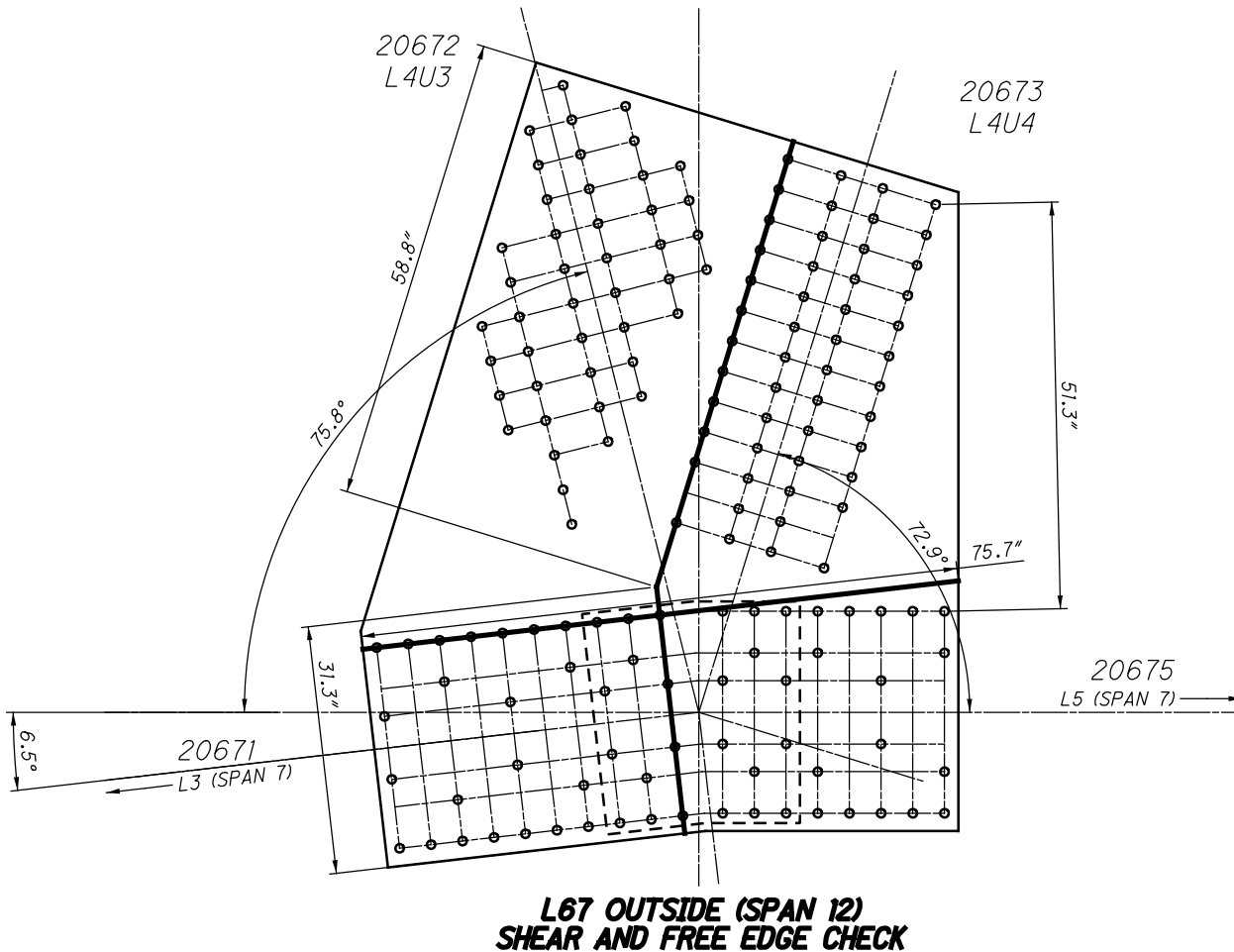
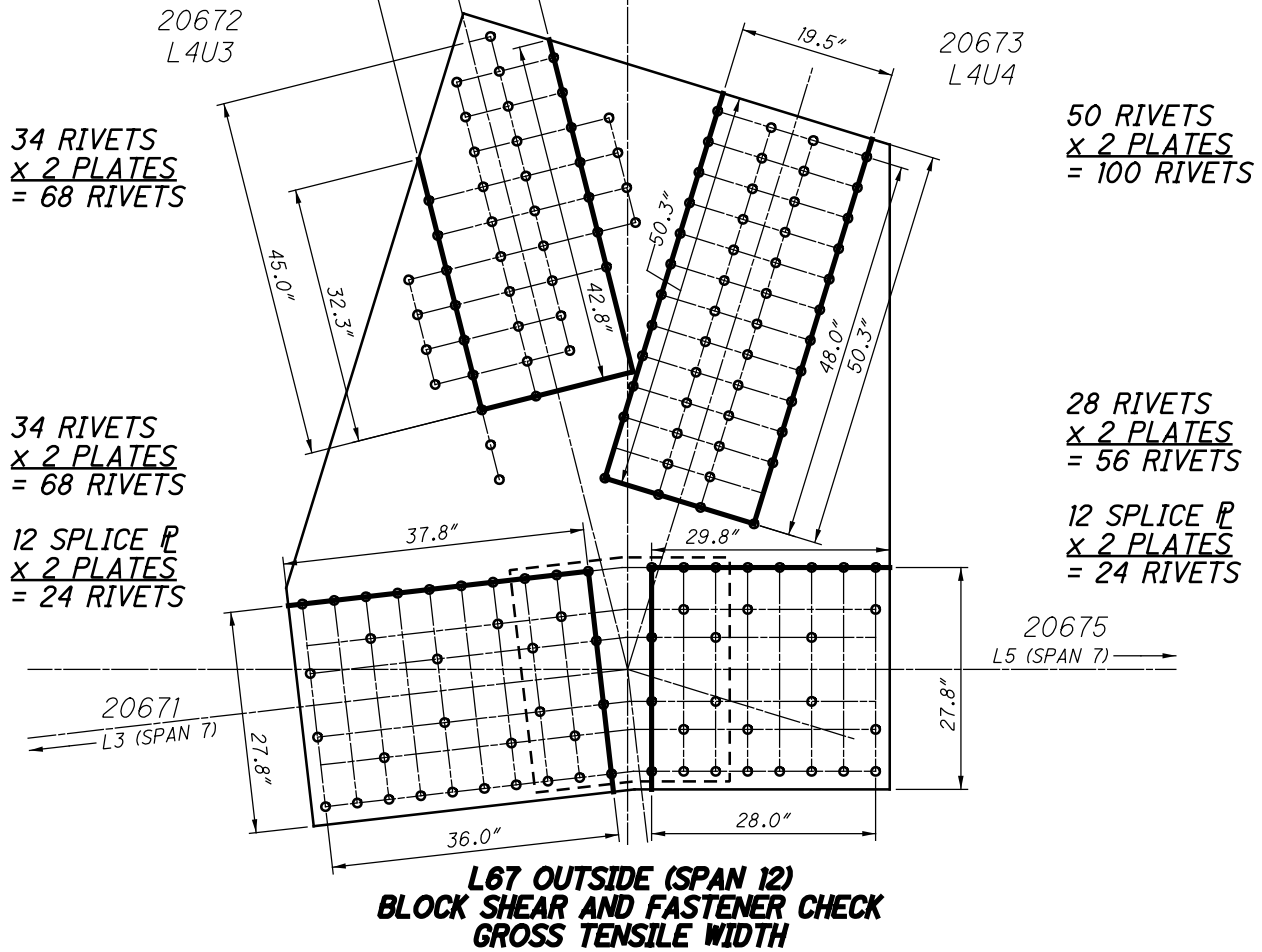


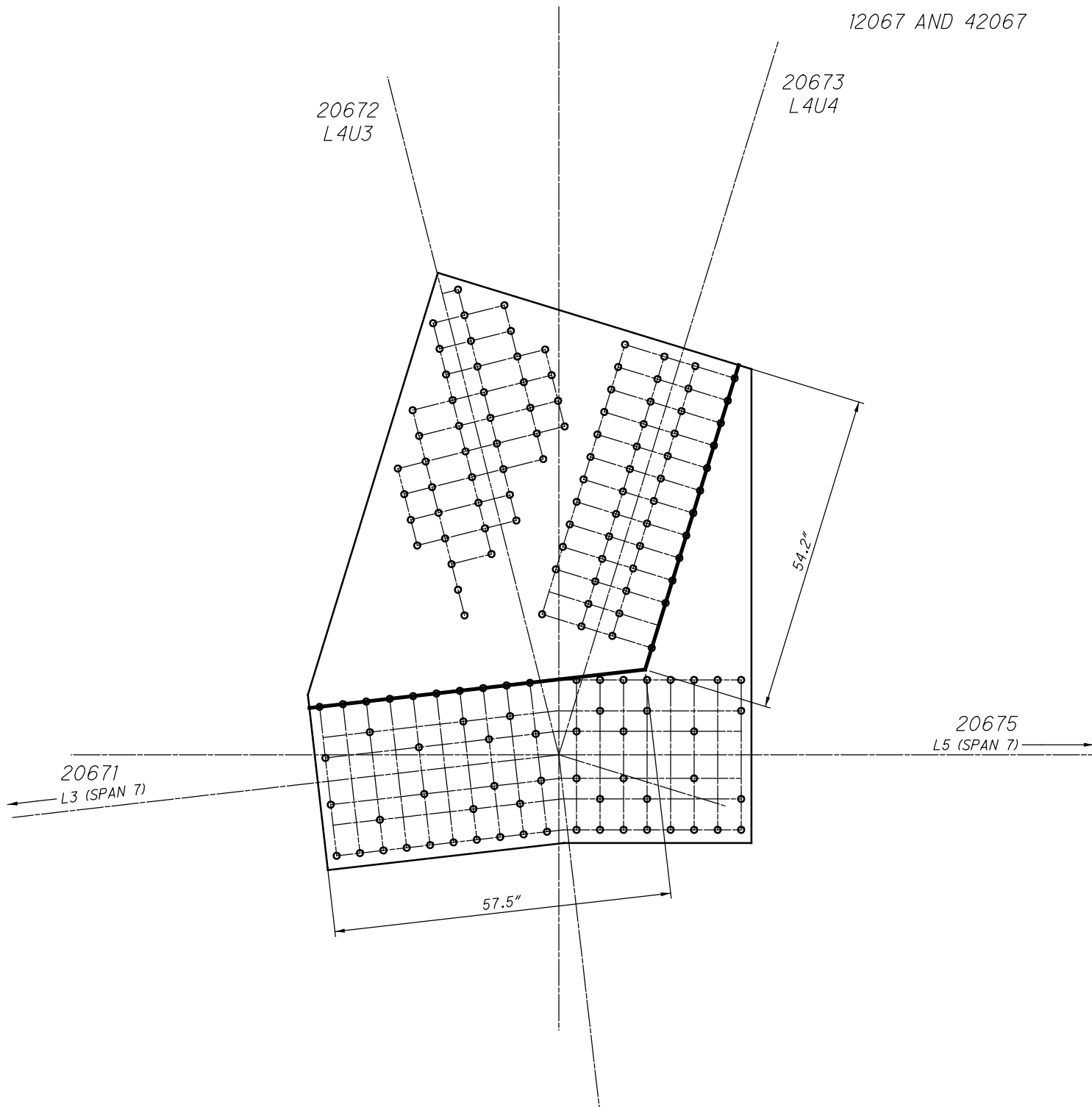
**L66 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**





12067 AND 42067





**L67 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**

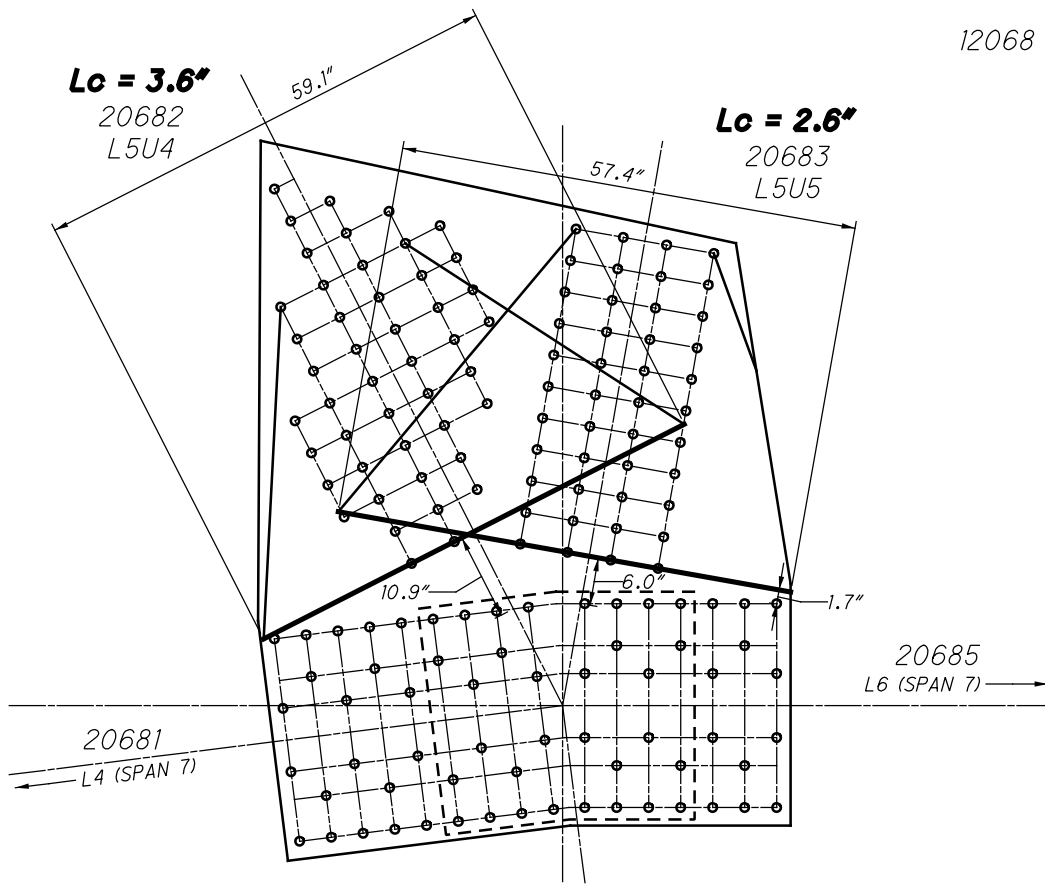
20682
L5U4

1'-0"

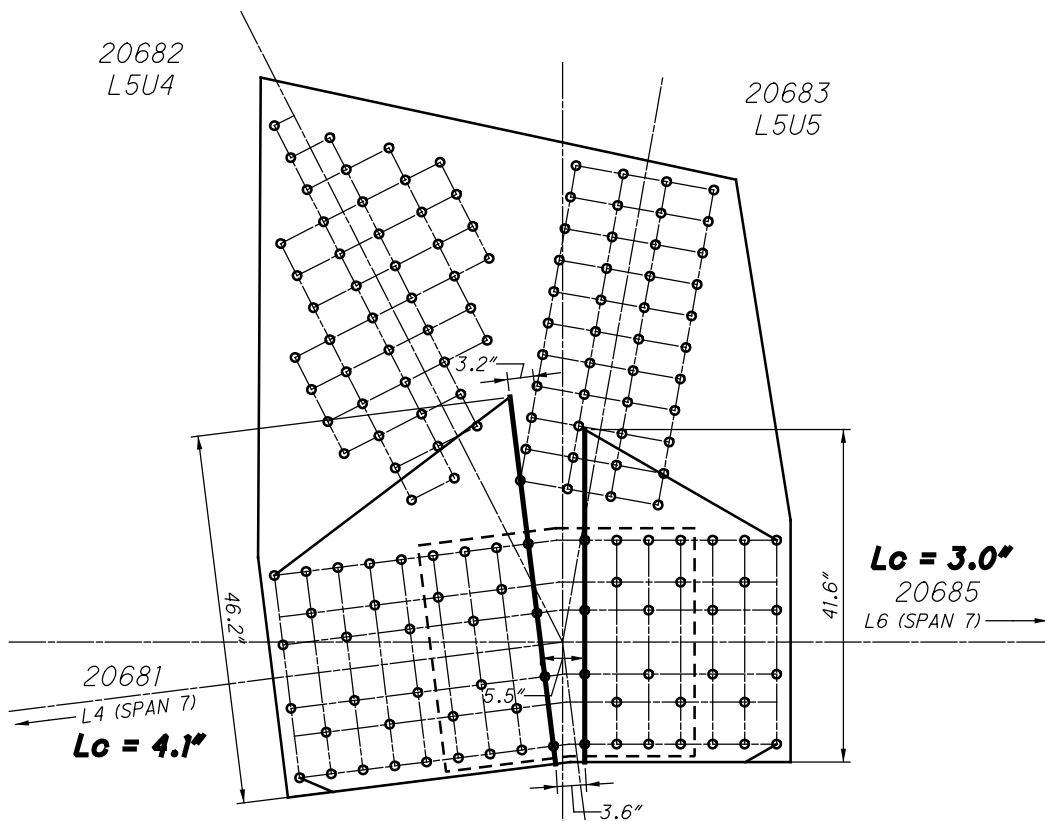
6 1/8"

20683
L5U5

L68 OUTSIDE (SPAN 12)



**L68 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L68 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

38 RIVETS
x 2 PLATES
= 76 RIVETS

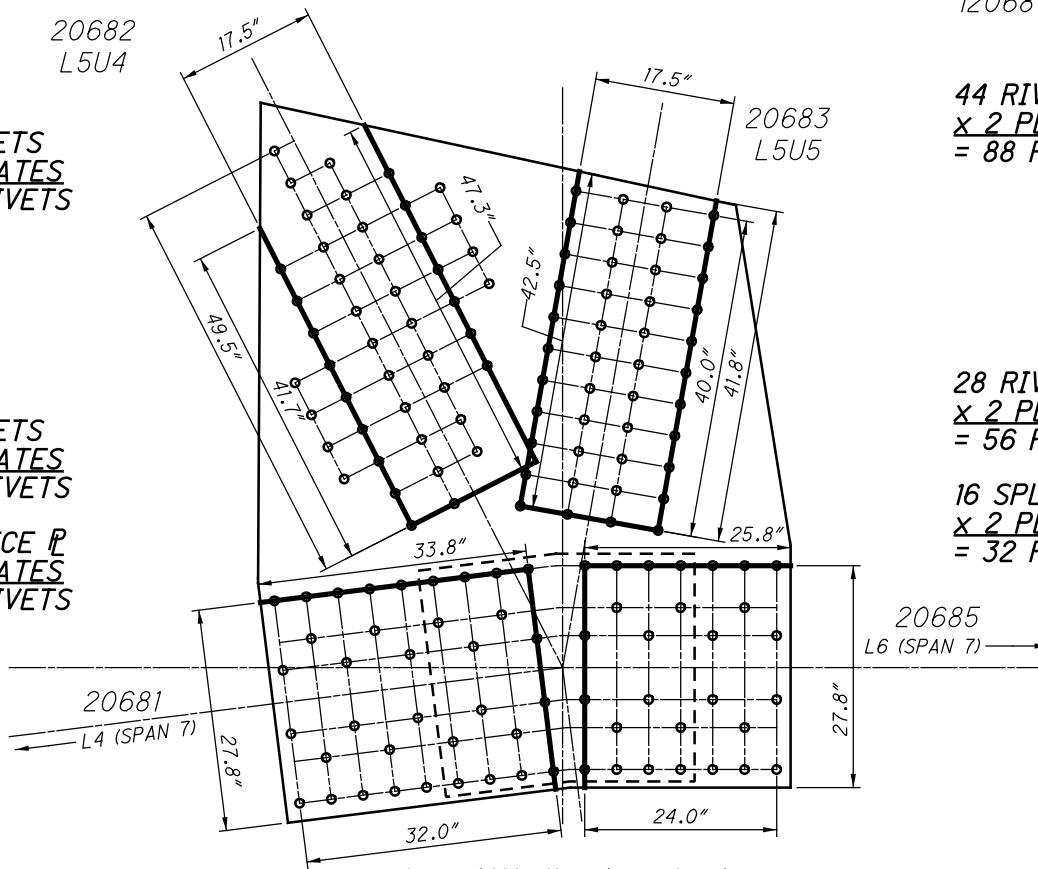
36 RIVETS
x 2 PLATES
= 72 RIVETS

16 SPLICE P
x 2 PLATES
= 32 RIVETS

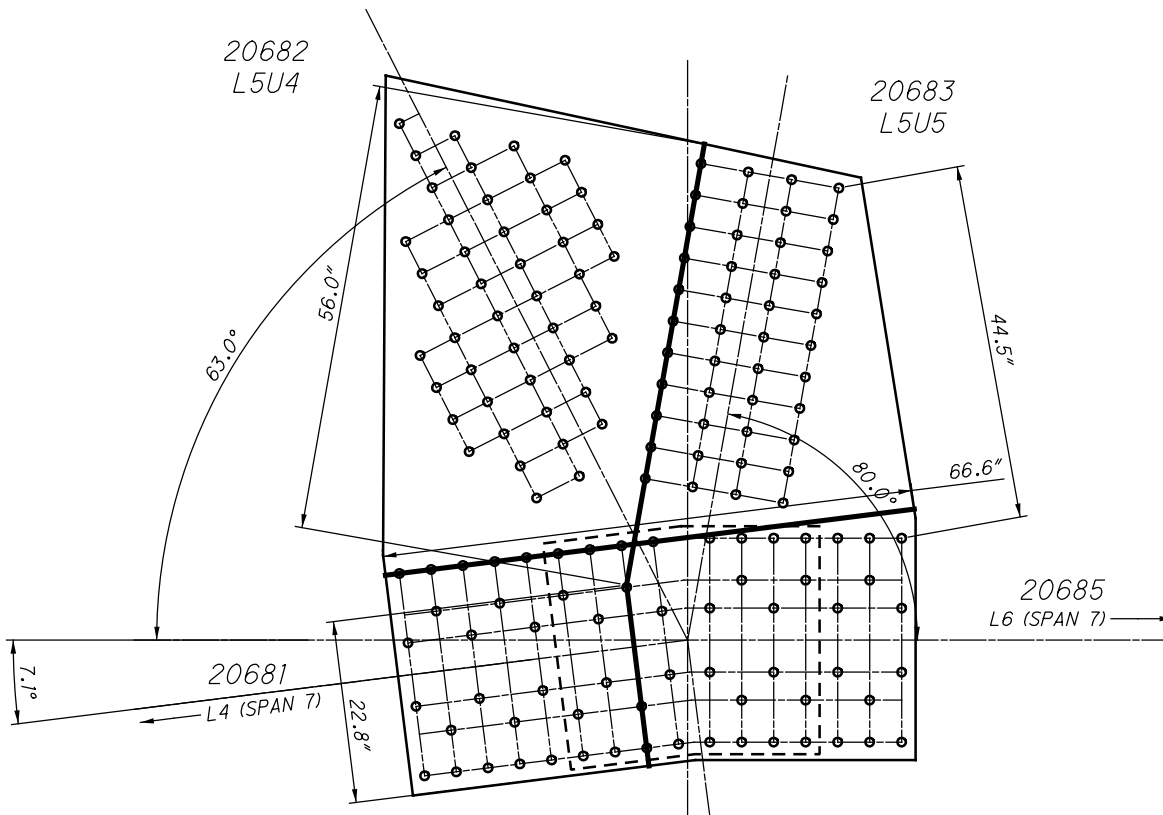
44 RIVETS
x 2 PLATES
= 88 RIVETS

28 RIVETS
x 2 PLATES
= 56 RIVETS

16 SPLICE P
x 2 PLATES
= 32 RIVETS



**L68 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

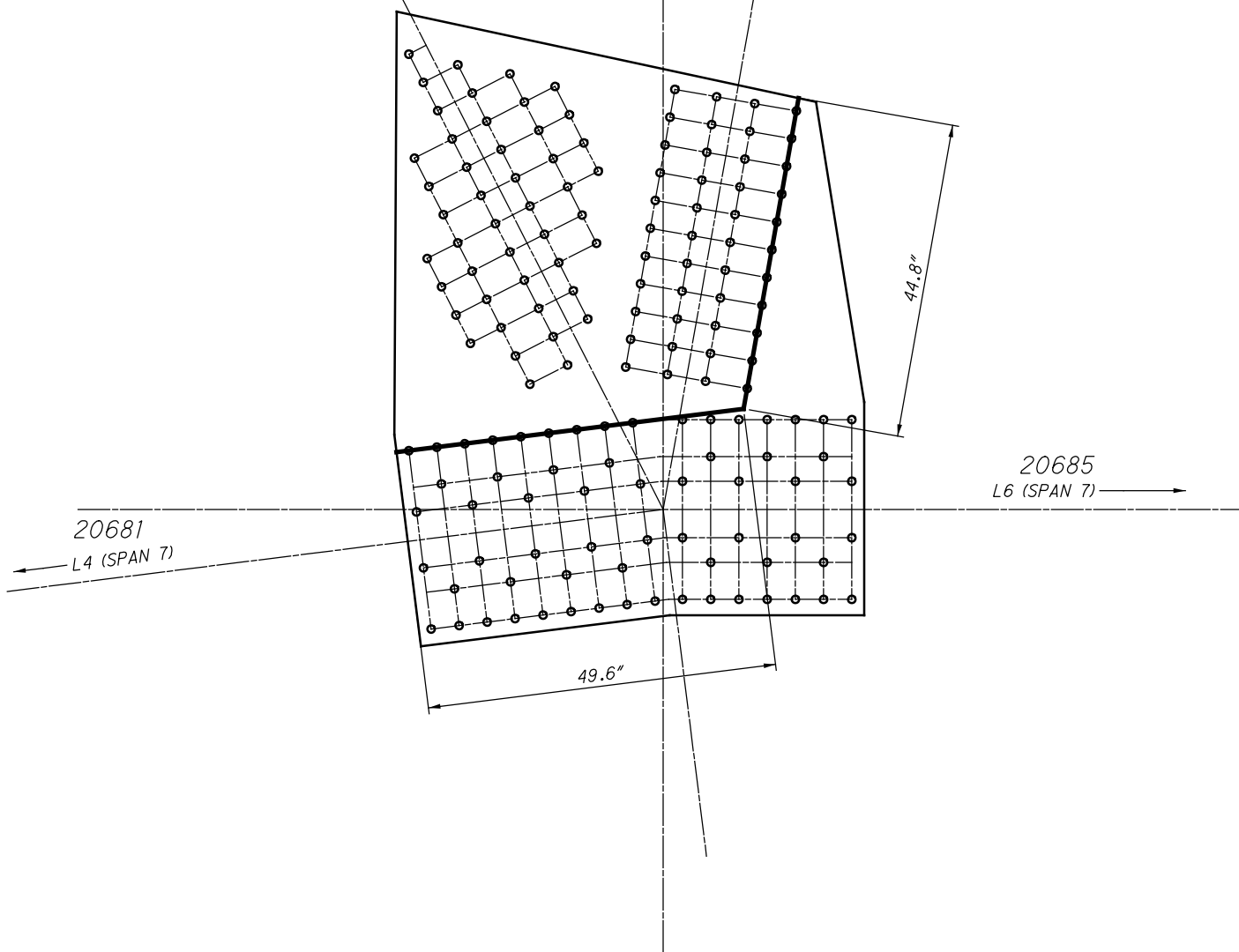


**L68 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**

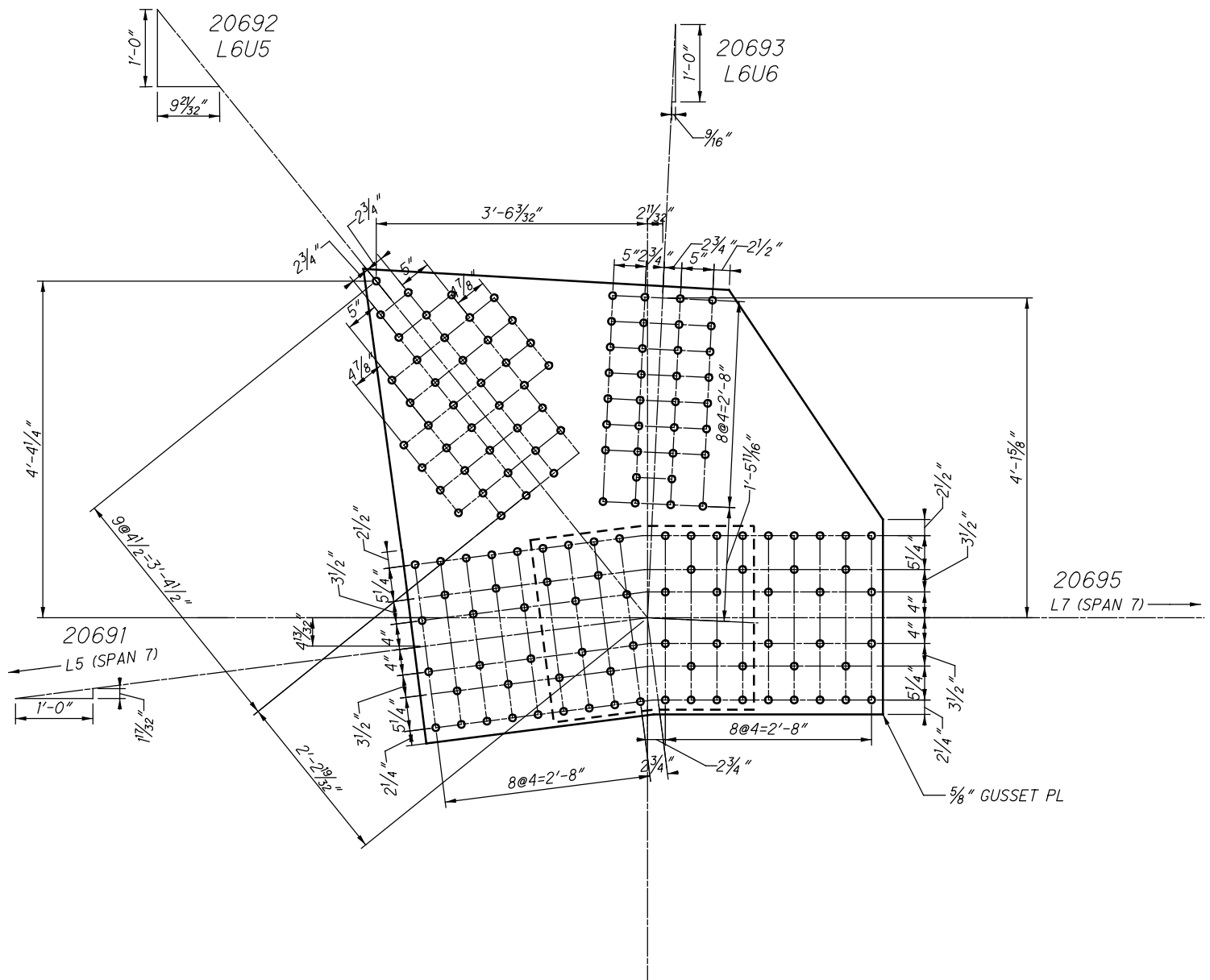
12068 AND 42068

20682
L5U4

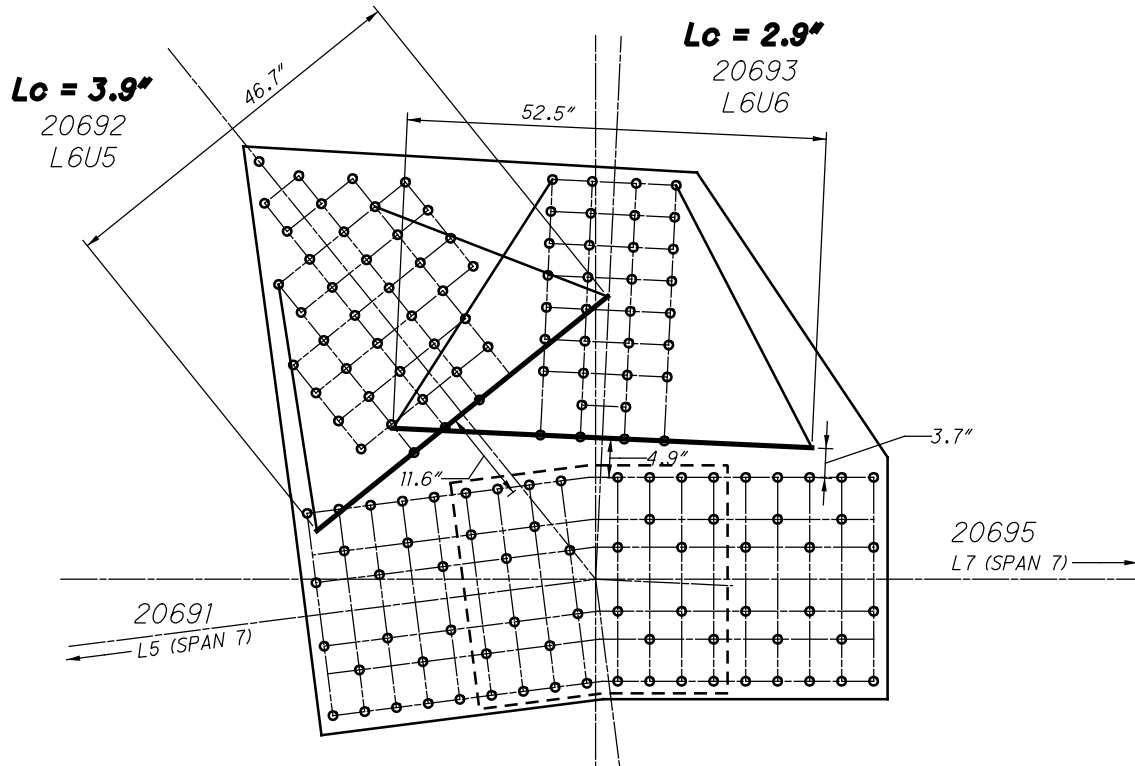
20683
L5U5



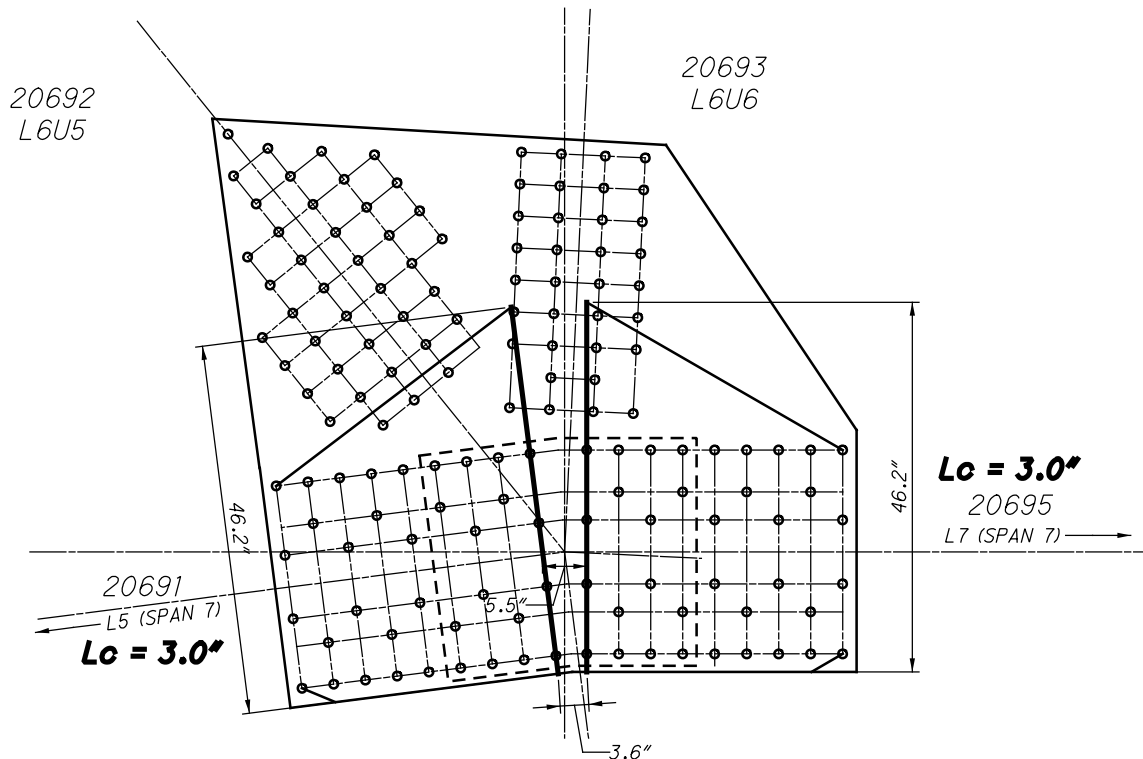
**L68 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



L69 OUTSIDE (SPAN 12)



**L69 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L69 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

33 RIVETS
x 2 PLATES
= 66 RIVETS

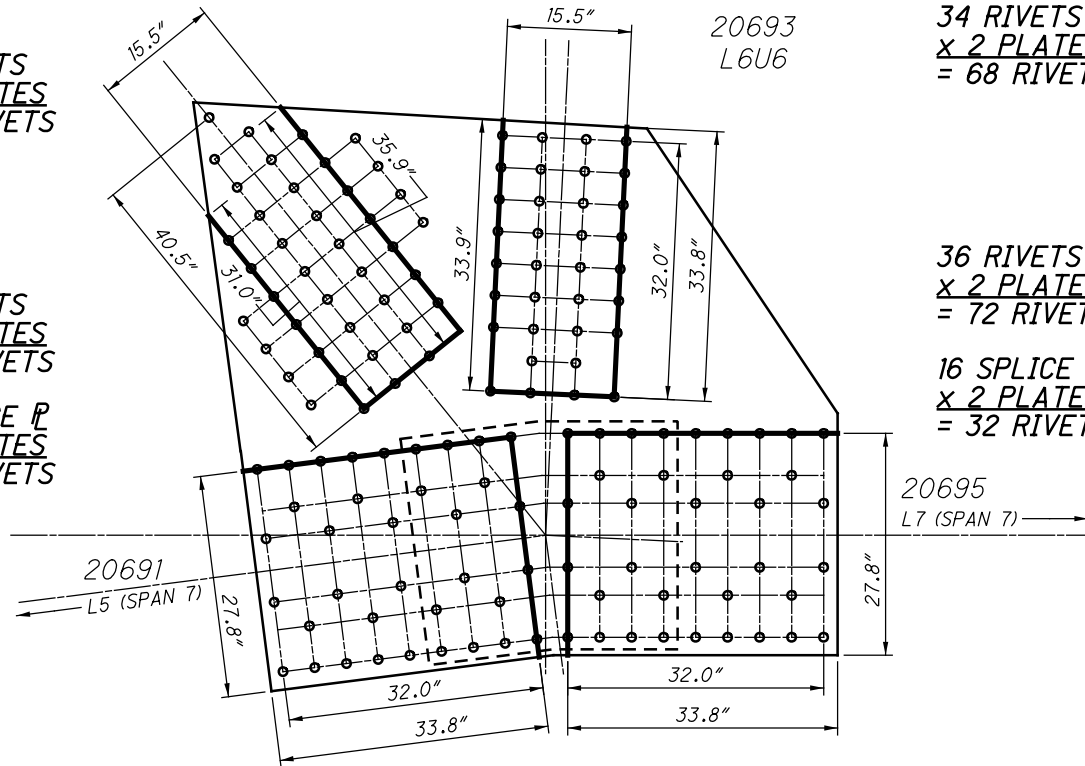
36 RIVETS
x 2 PLATES
= 72 RIVETS

16 SPLICE P
x 2 PLATES
= 32 RIVETS

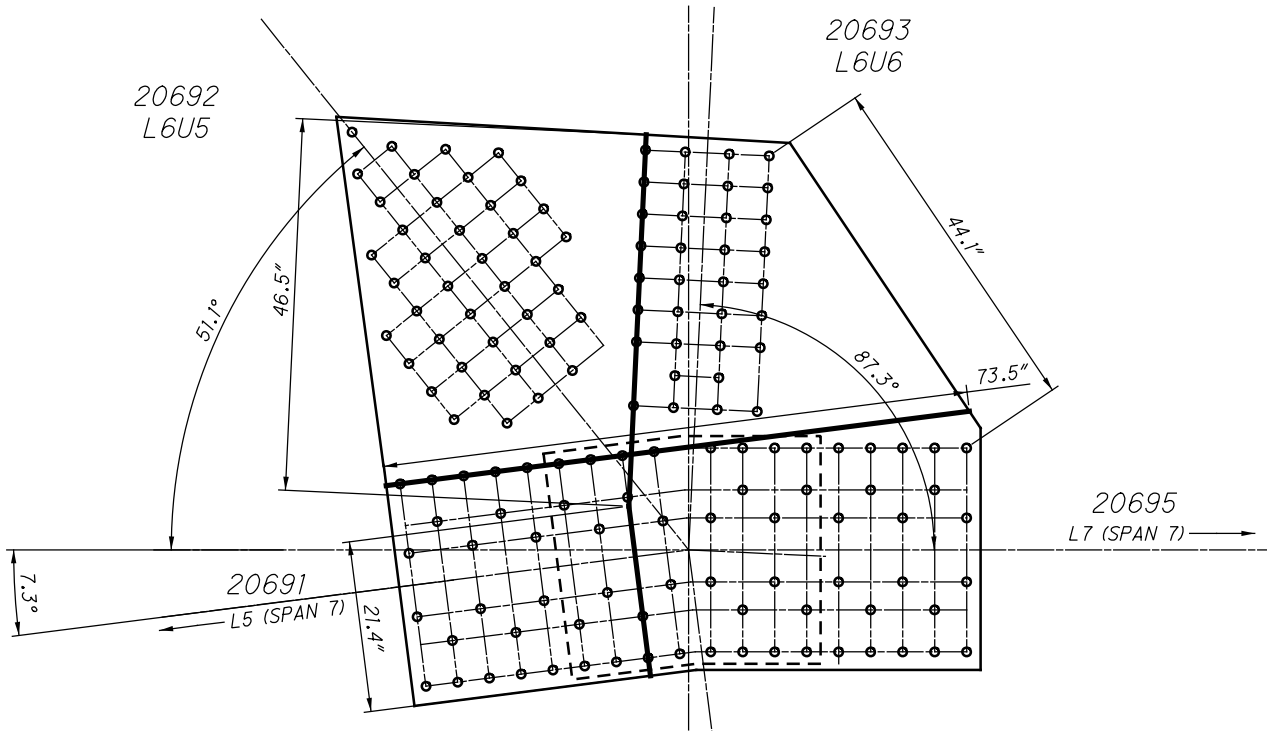
34 RIVETS
x 2 PLATES
= 68 RIVETS

36 RIVETS
x 2 PLATES
= 72 RIVETS

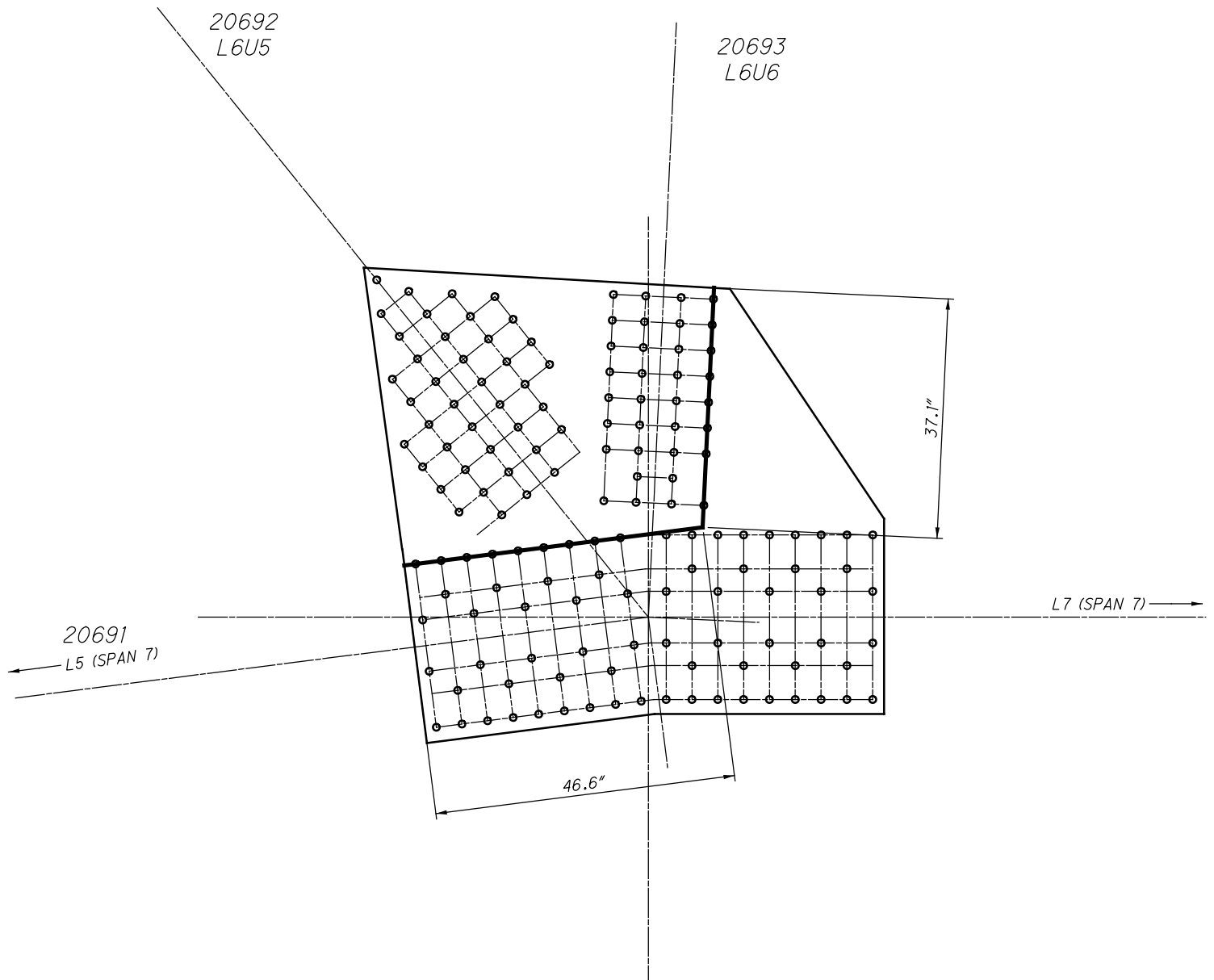
16 SPLICE P
x 2 PLATES
= 32 RIVETS



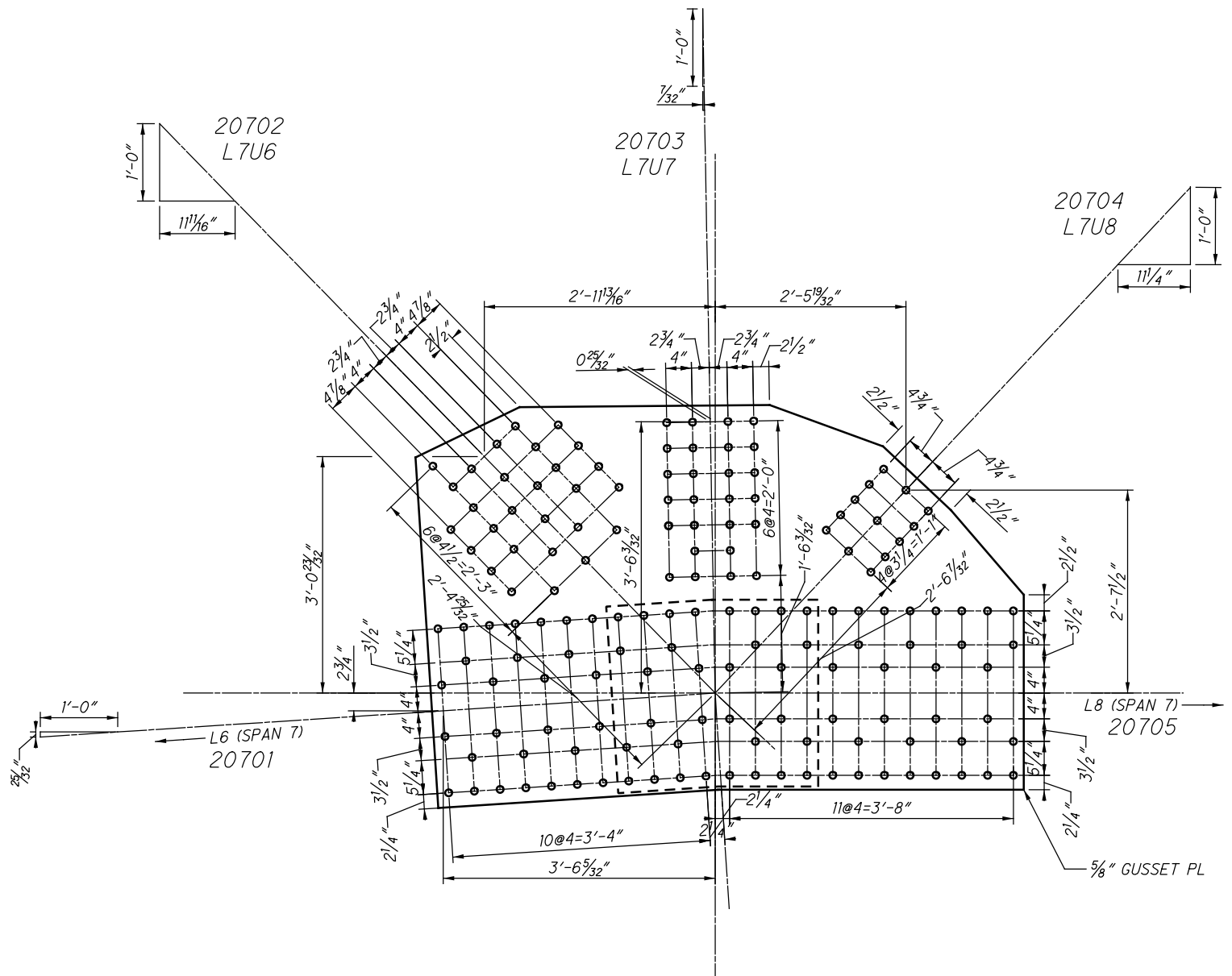
**L69 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



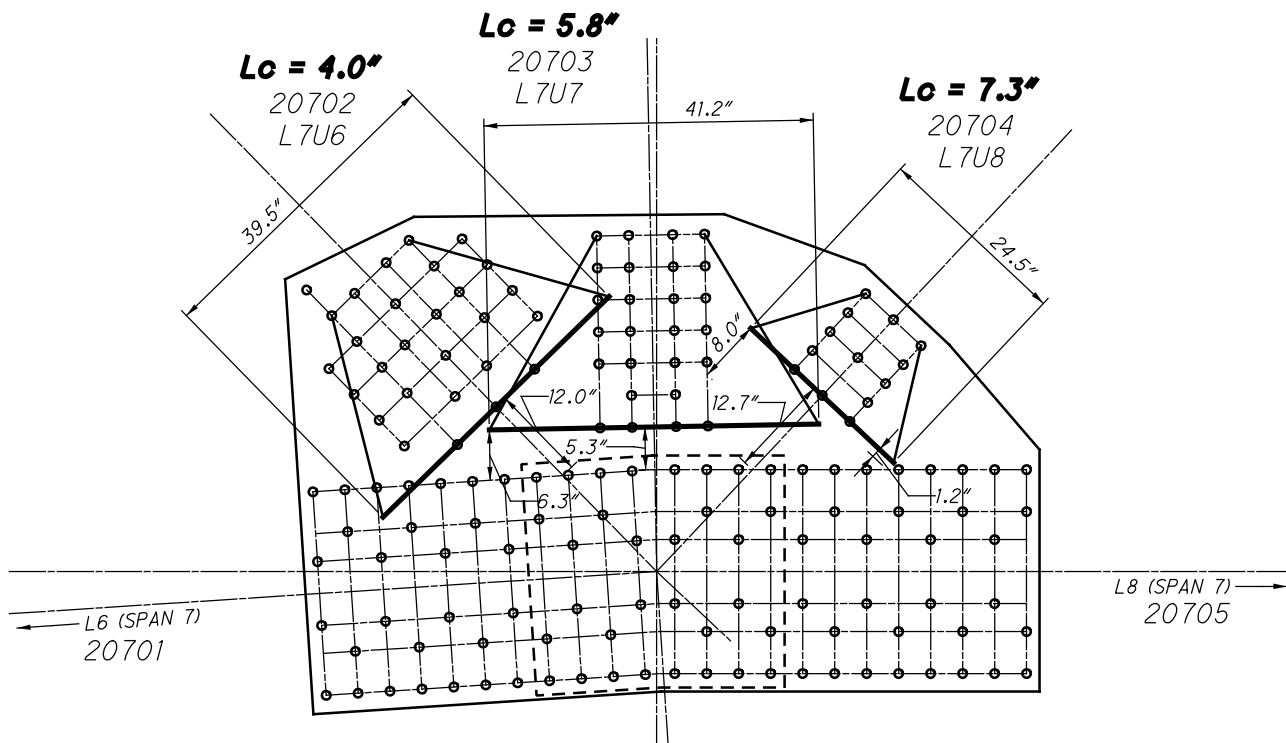
**L69 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



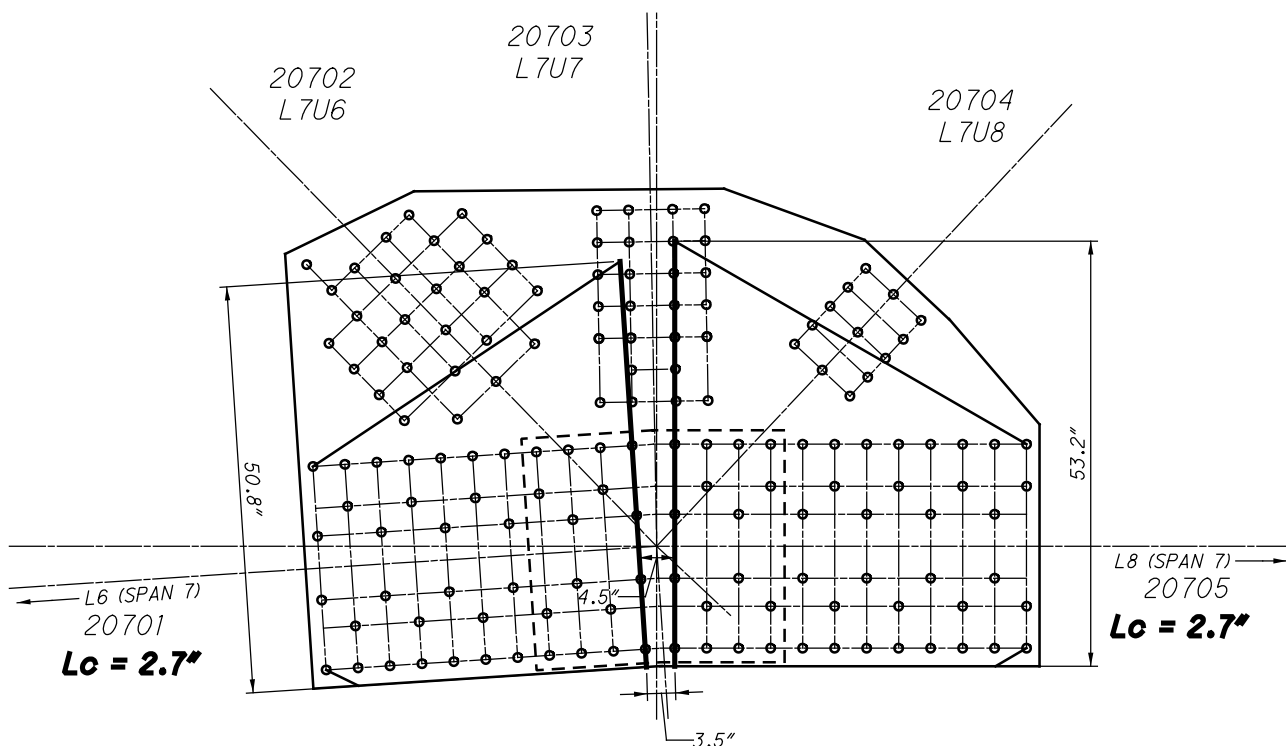
**L69 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



L70 OUTSIDE (SPAN 12)



**L70 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L70 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20 RIVETS
x 2 PLATES
= 40 RIVETS

26 RIVETS
x 2 PLATES
= 52 RIVETS

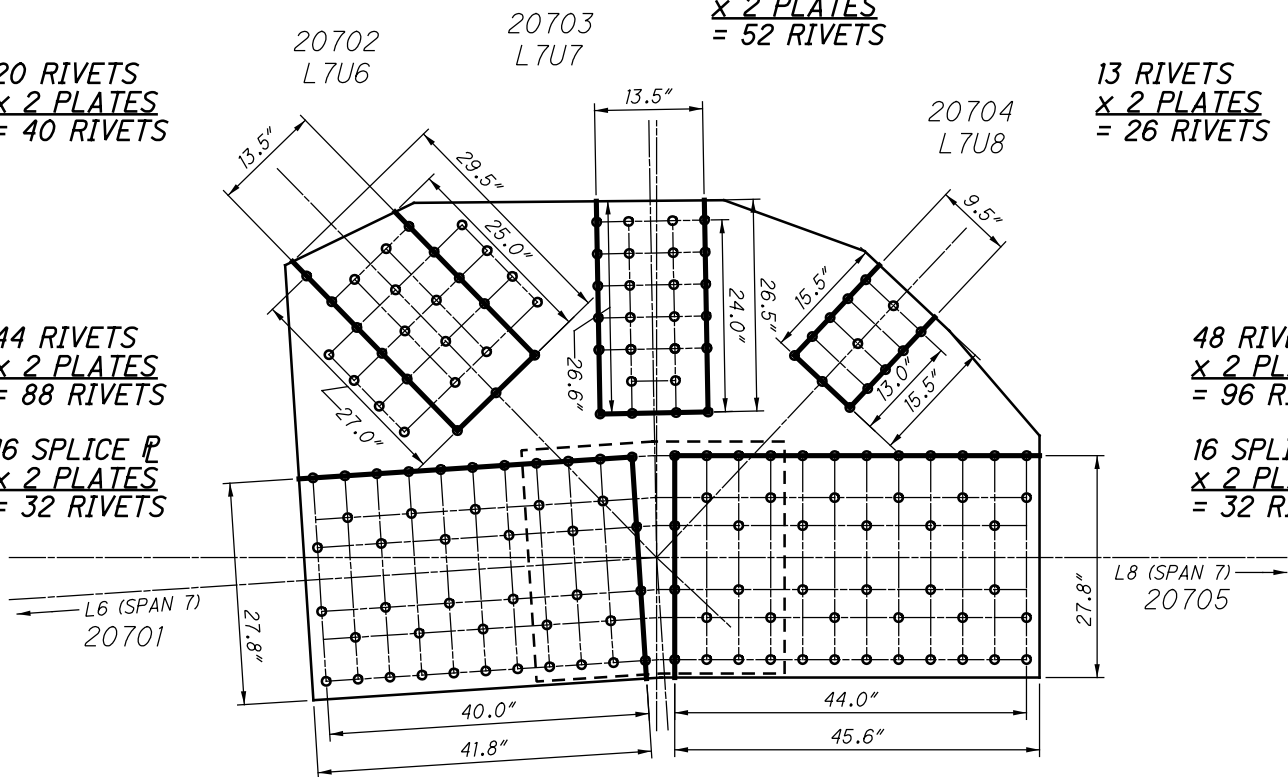
13 RIVETS
x 2 PLATES
= 26 RIVETS

44 RIVETS
x 2 PLATES
= 88 RIVETS

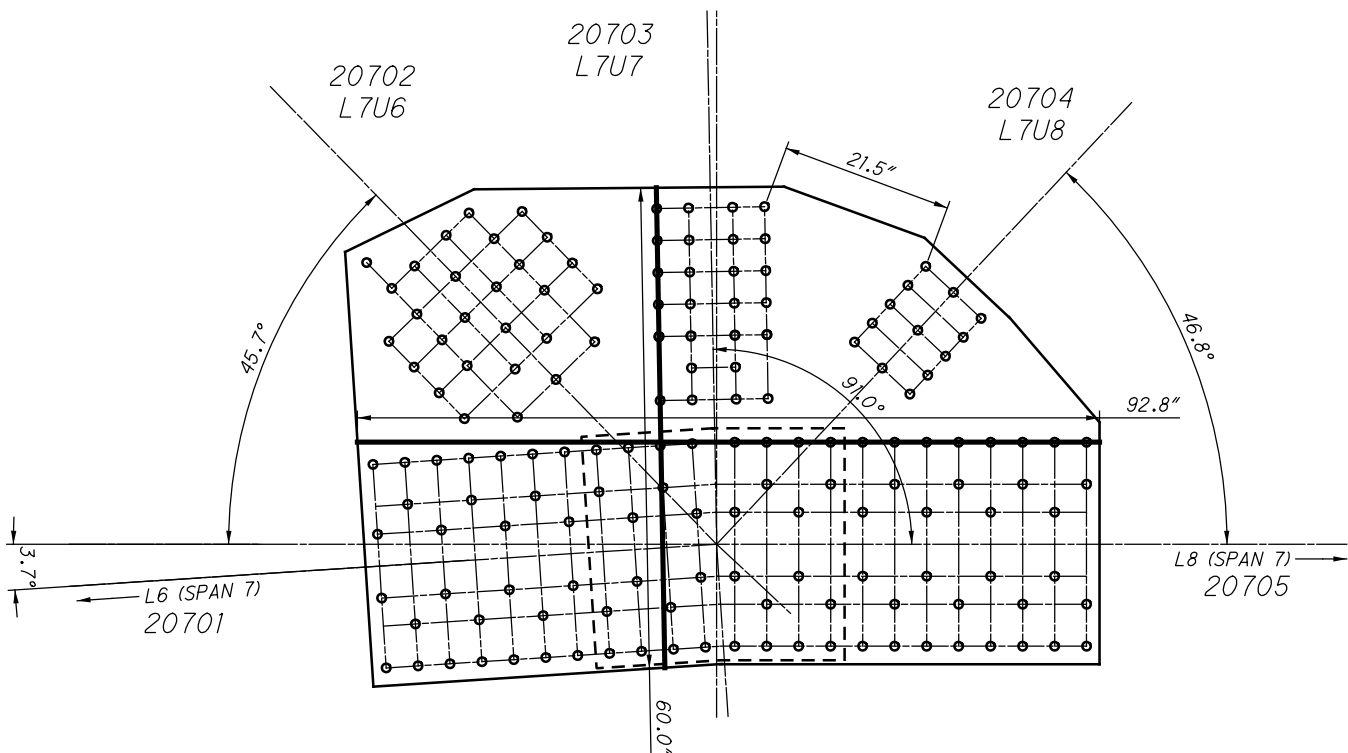
16 SPLICE P
x 2 PLATES
= 32 RIVETS

48 RIVETS
x 2 PLATES
= 96 RIVETS

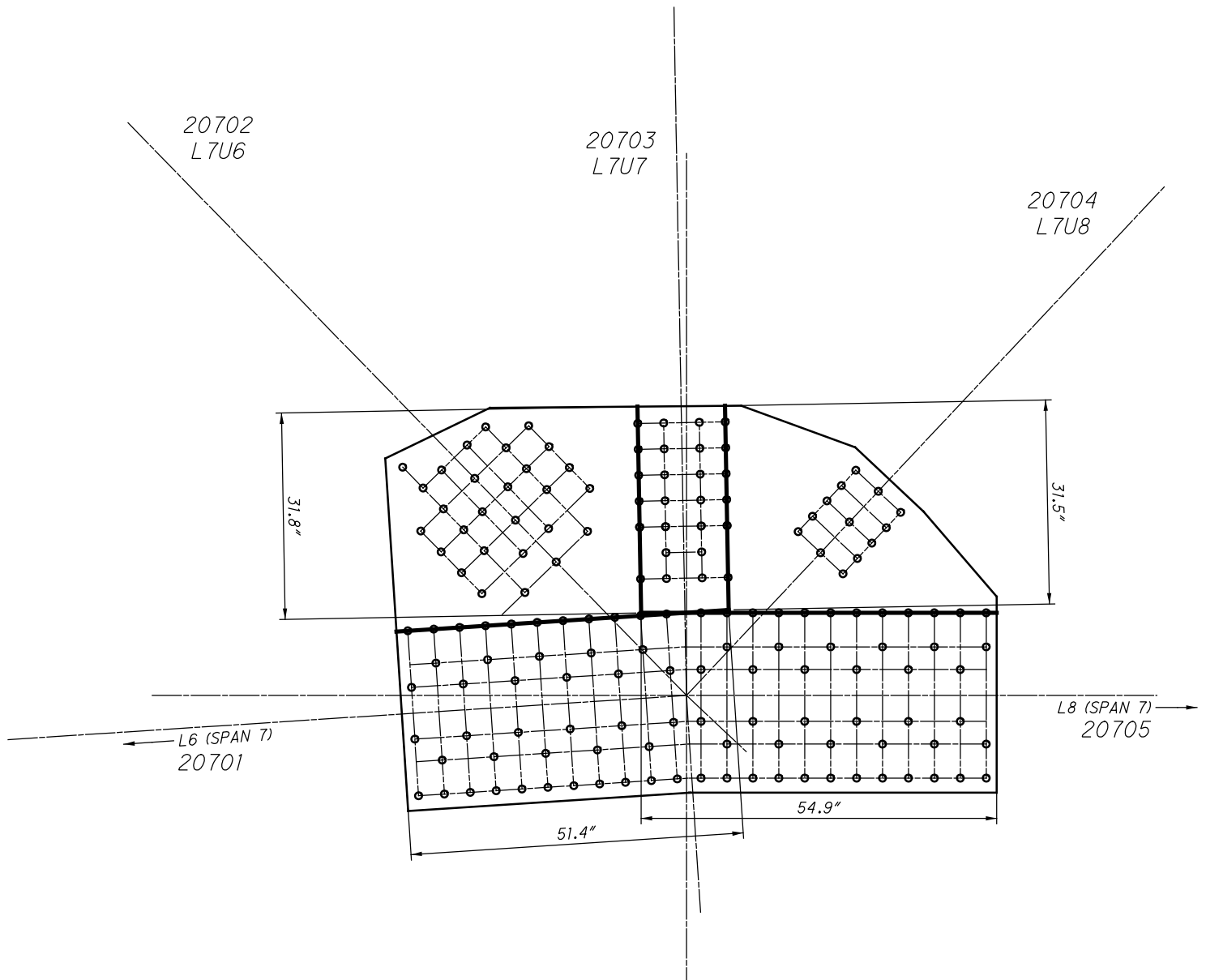
16 SPLICE P
x 2 PLATES
= 32 RIVETS



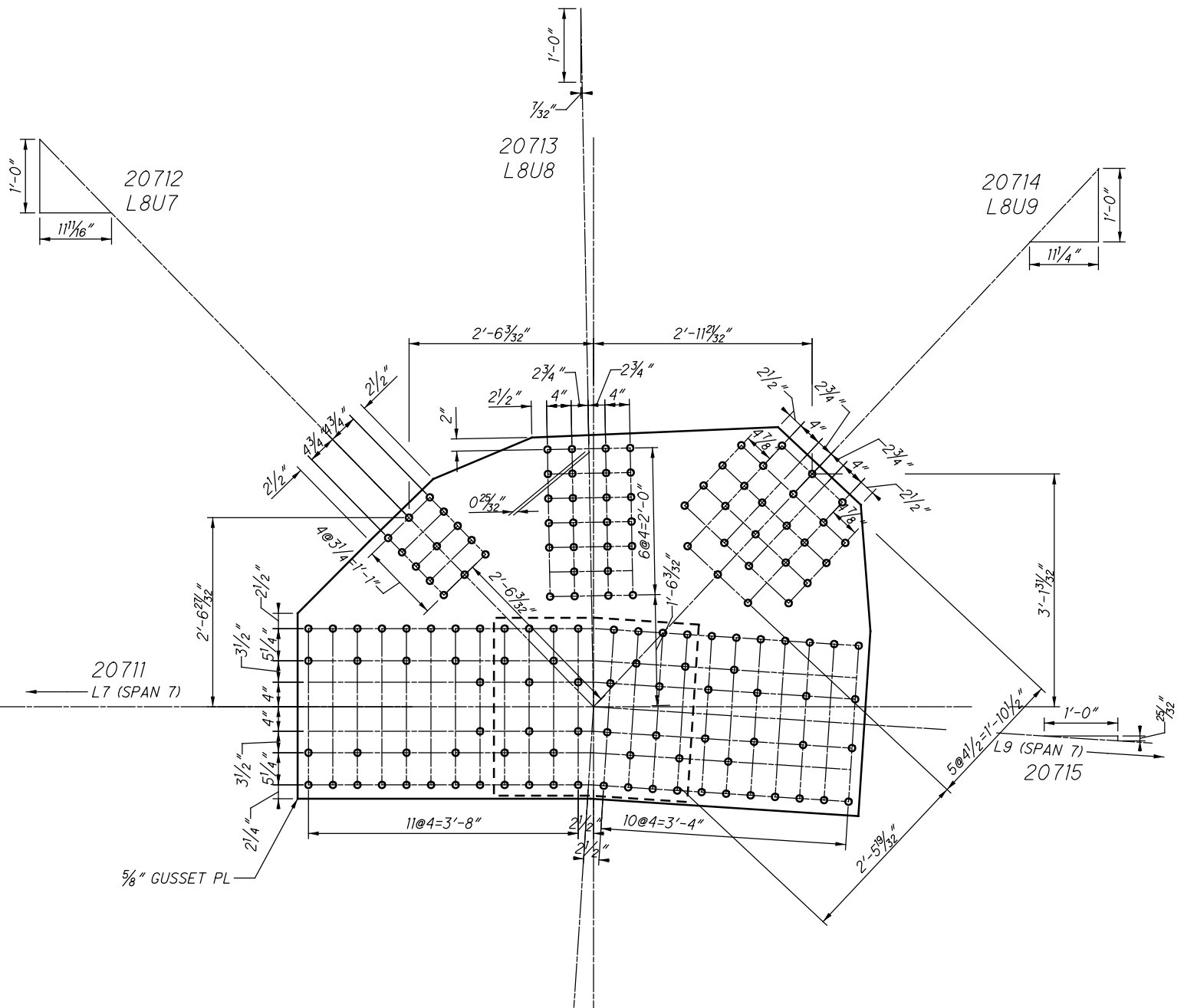
**L70 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



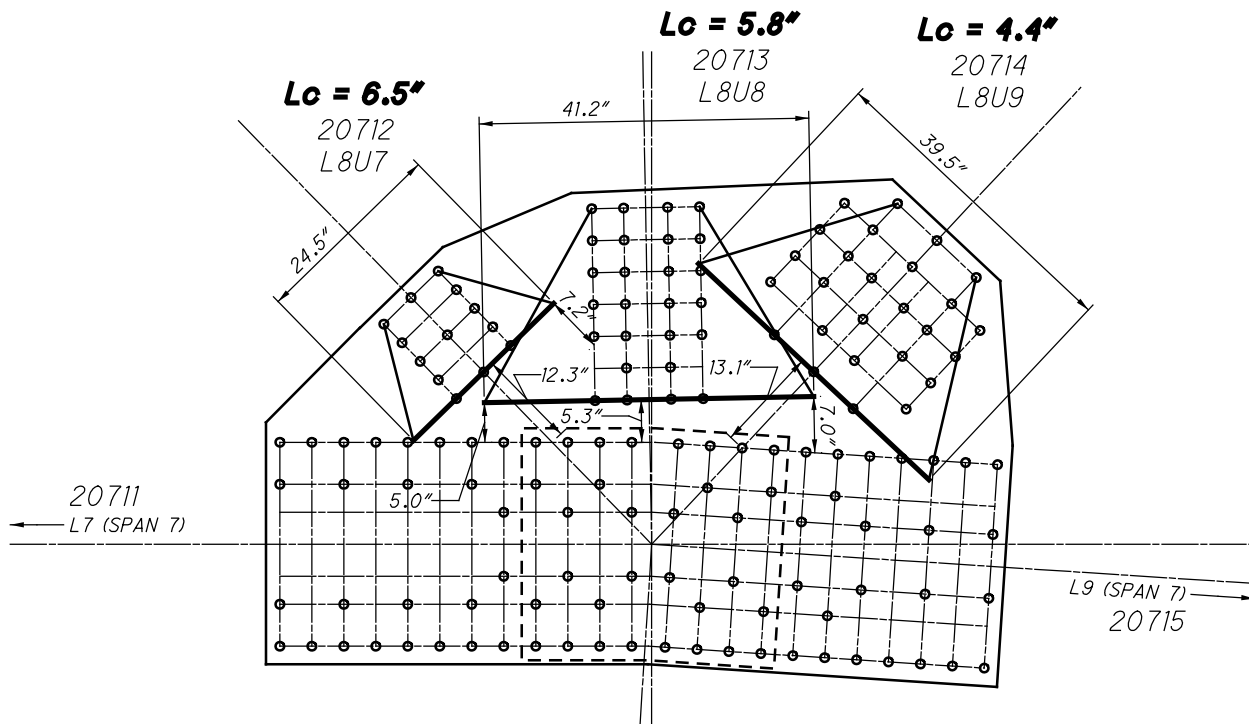
**L70 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



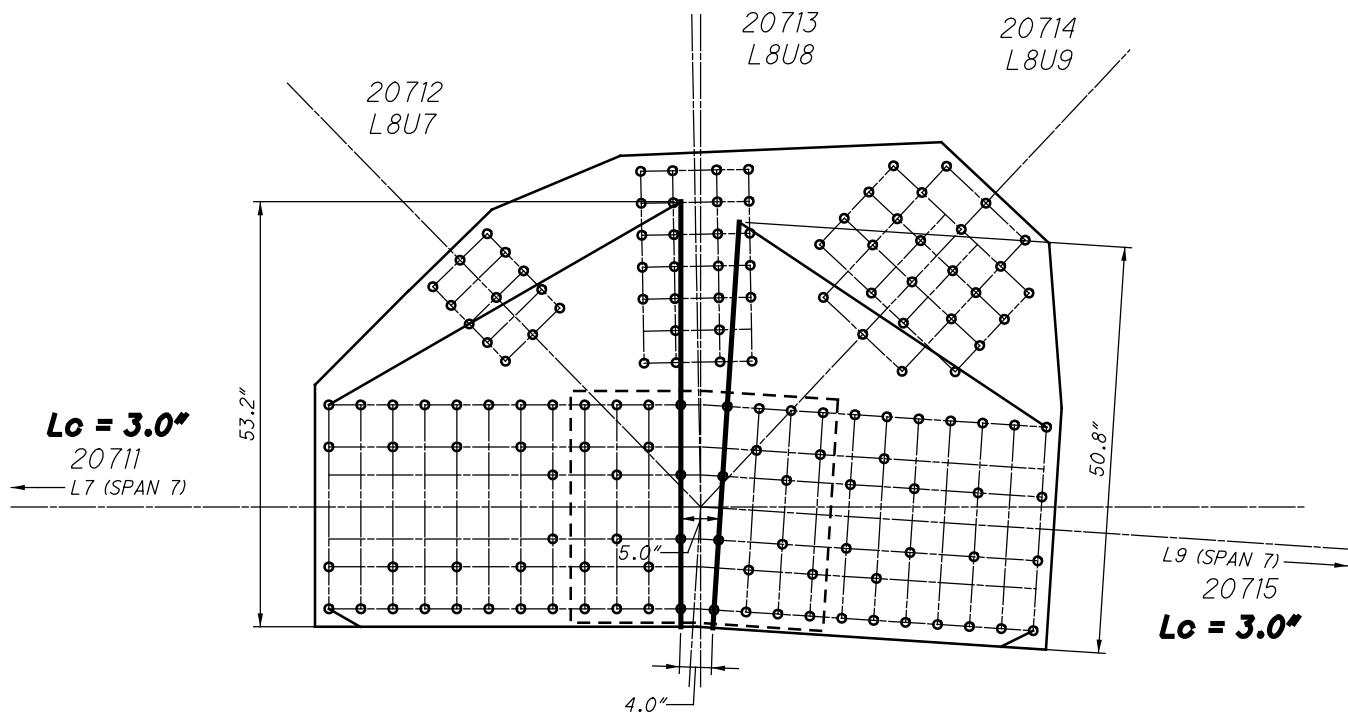
**L70 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



L71 OUTSIDE (SPAN 12)



**L71 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L71 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

26 RIVETS
 x 2 PLATES
 = 52 RIVETS

12071 AND 42071

13 RIVETS
 x 2 PLATES
 = 26 RIVETS

20713
 L8U8

20714
 L8U9

18 RIVETS
 x 2 PLATES
 = 36 RIVETS

42 RIVETS
 x 2 PLATES
 = 84 RIVETS

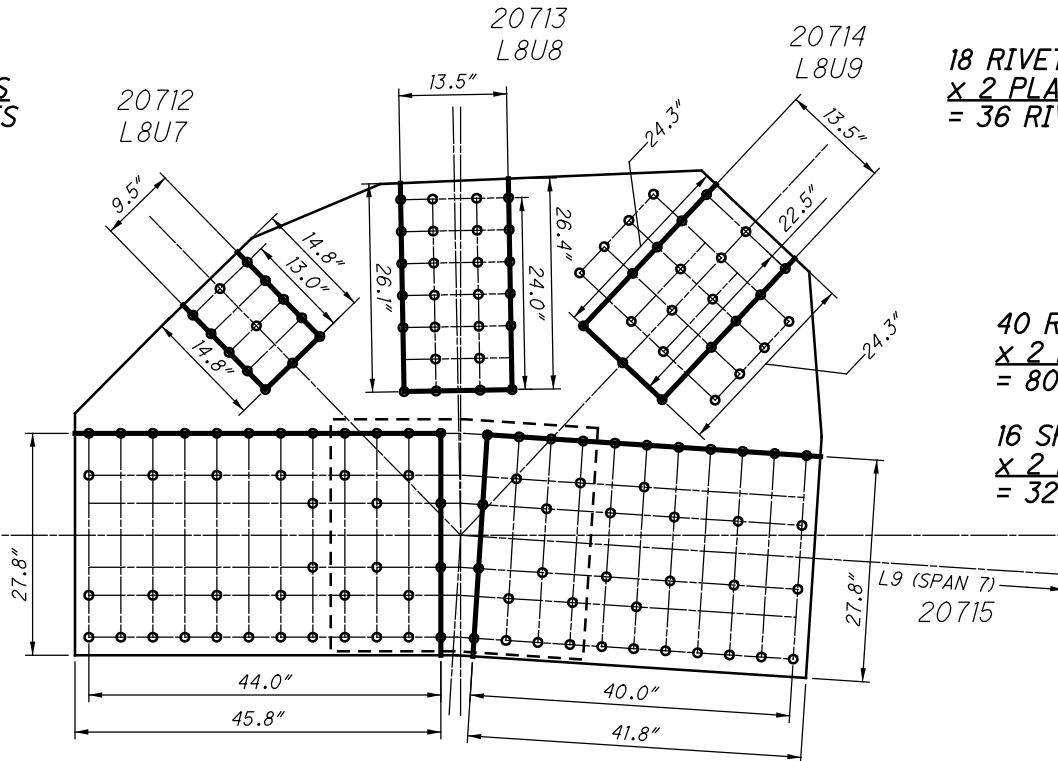
16 SPLICE P
 x 2 PLATES
 = 32 RIVETS

40 RIVETS
 x 2 PLATES
 = 80 RIVETS

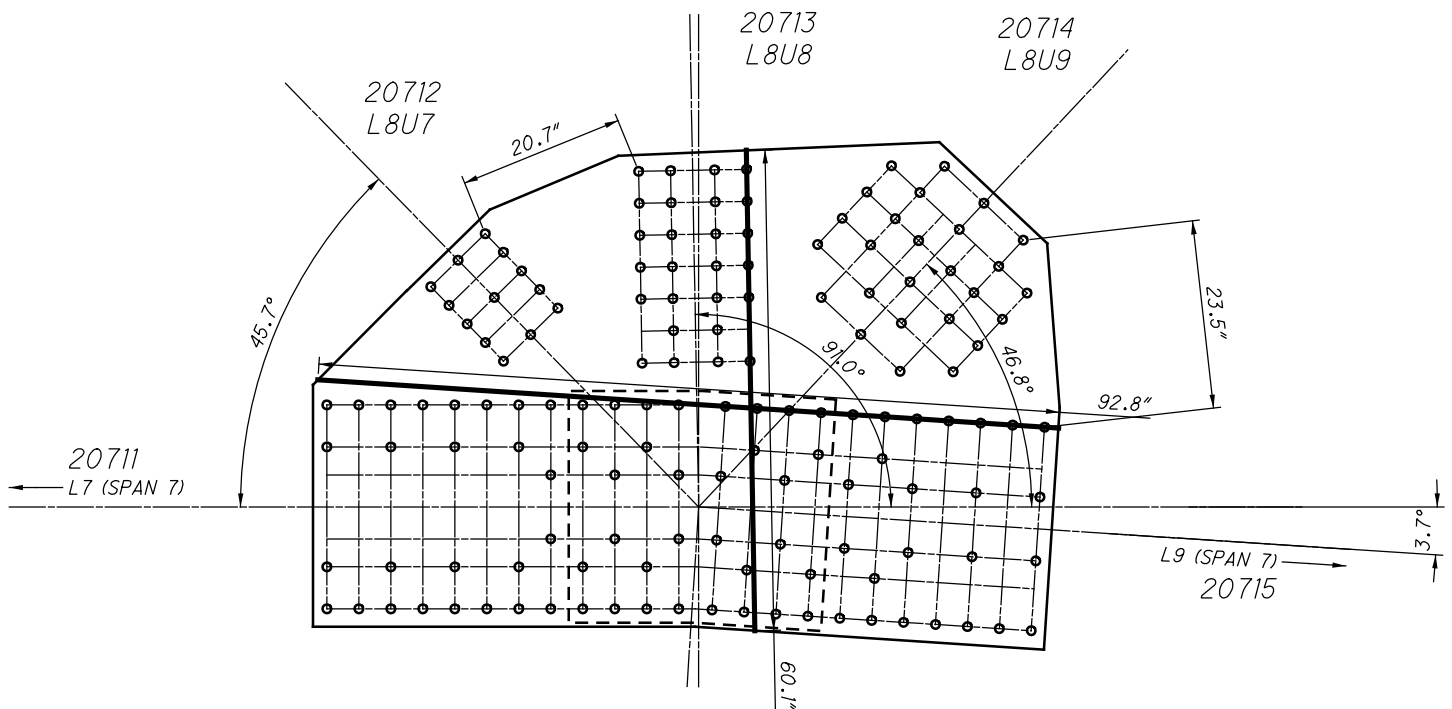
16 SPLICE P
 x 2 PLATES
 = 32 RIVETS

20711
 L7 (SPAN 7)

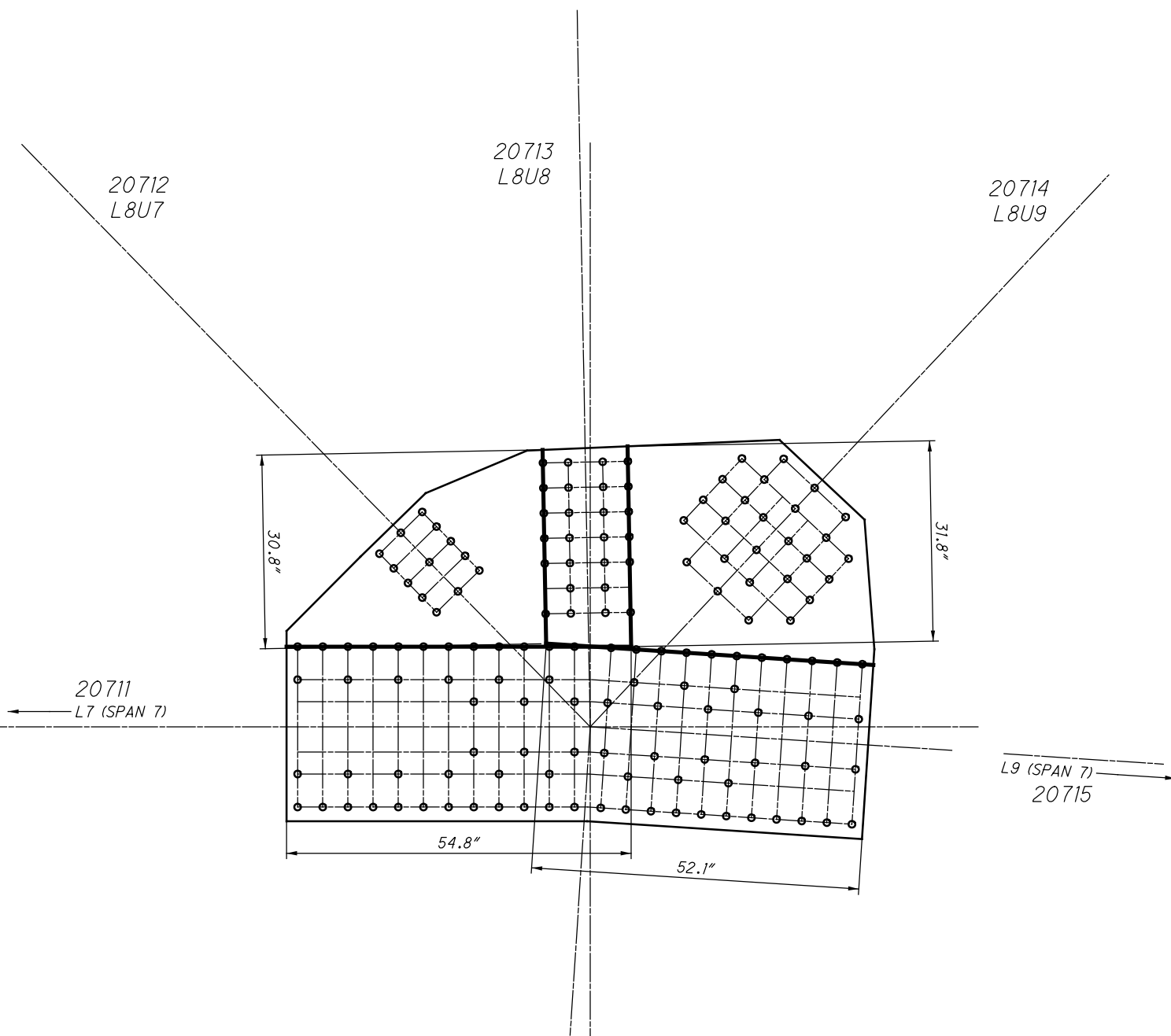
L9 (SPAN 7)
 20715



**L71 OUTSIDE (SPAN 12)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**



**L71 OUTSIDE (SPAN 12)
 SHEAR AND FREE EDGE CHECK**



**L71 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**

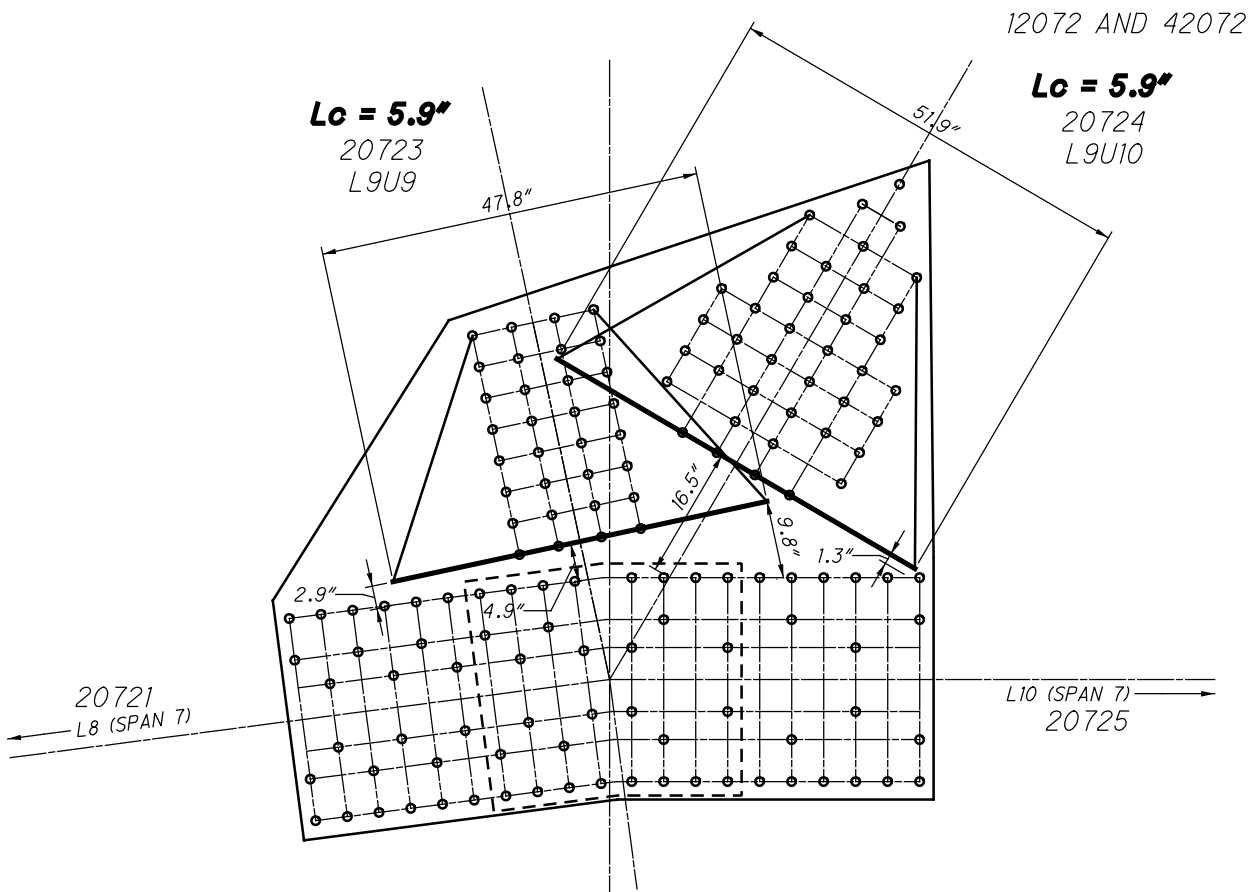
1'-0"

20723
L9U9

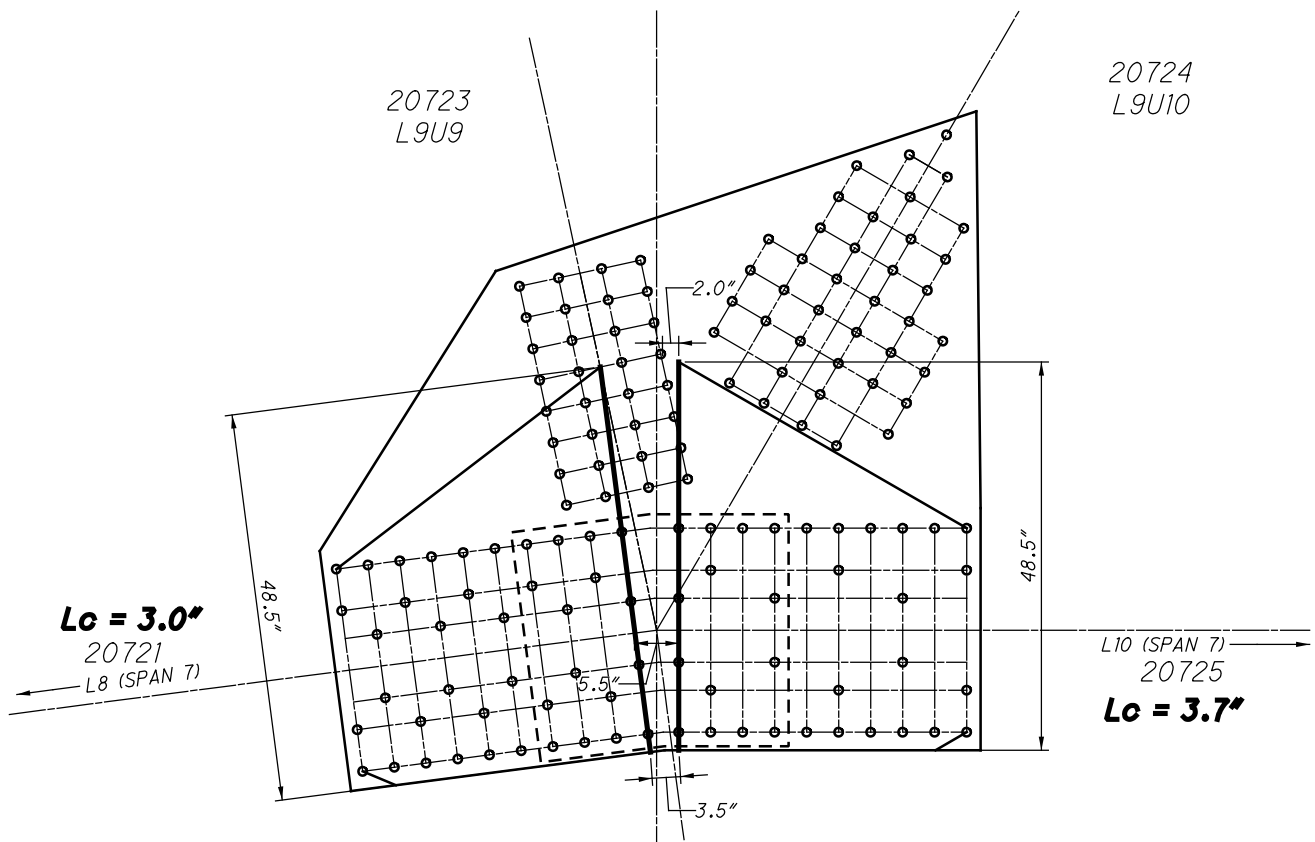
2 19/32"

Diagram of a roof section showing a 24/10 pitch. The vertical height is 1'-0" and the horizontal width is 7 1/32".



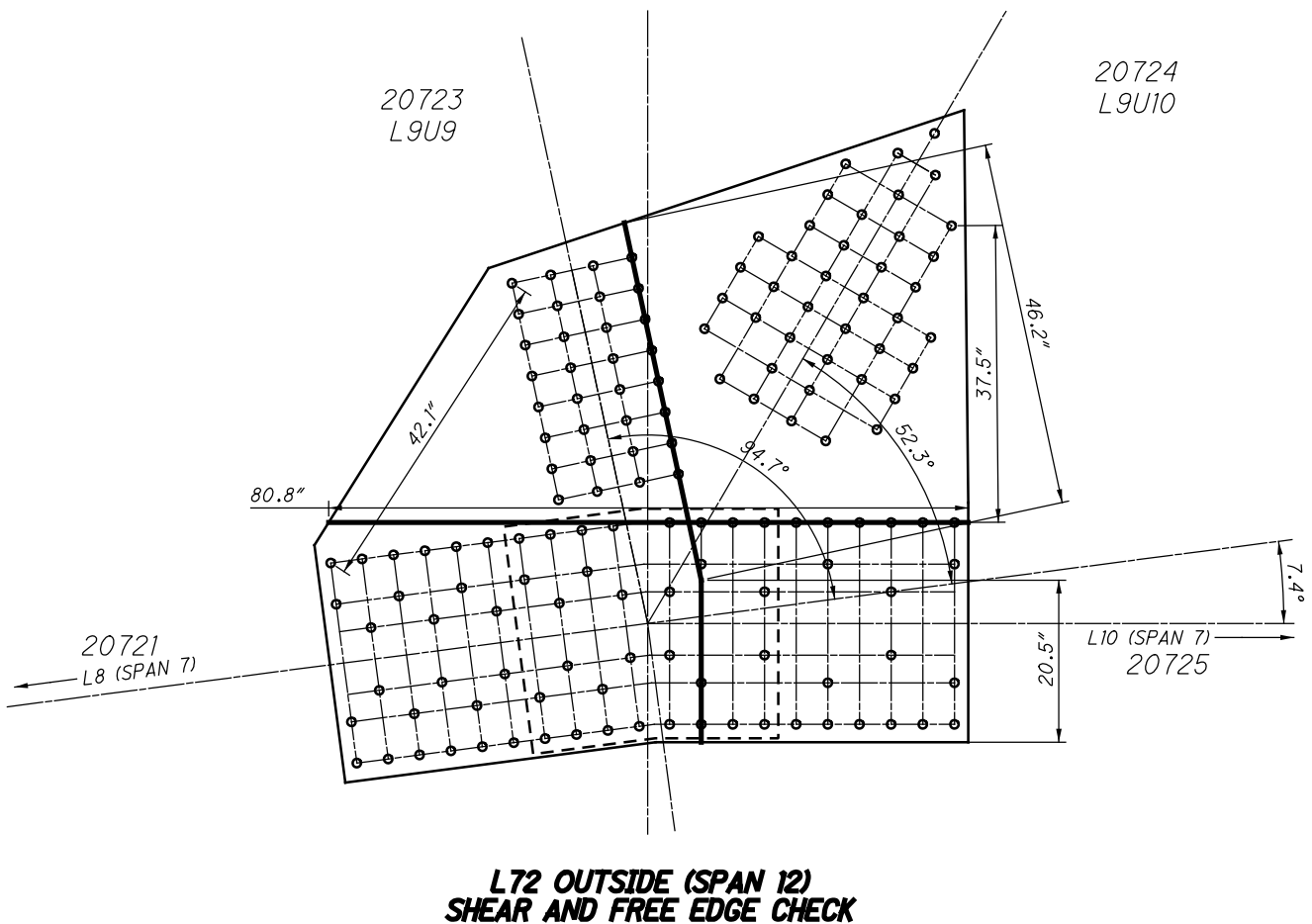
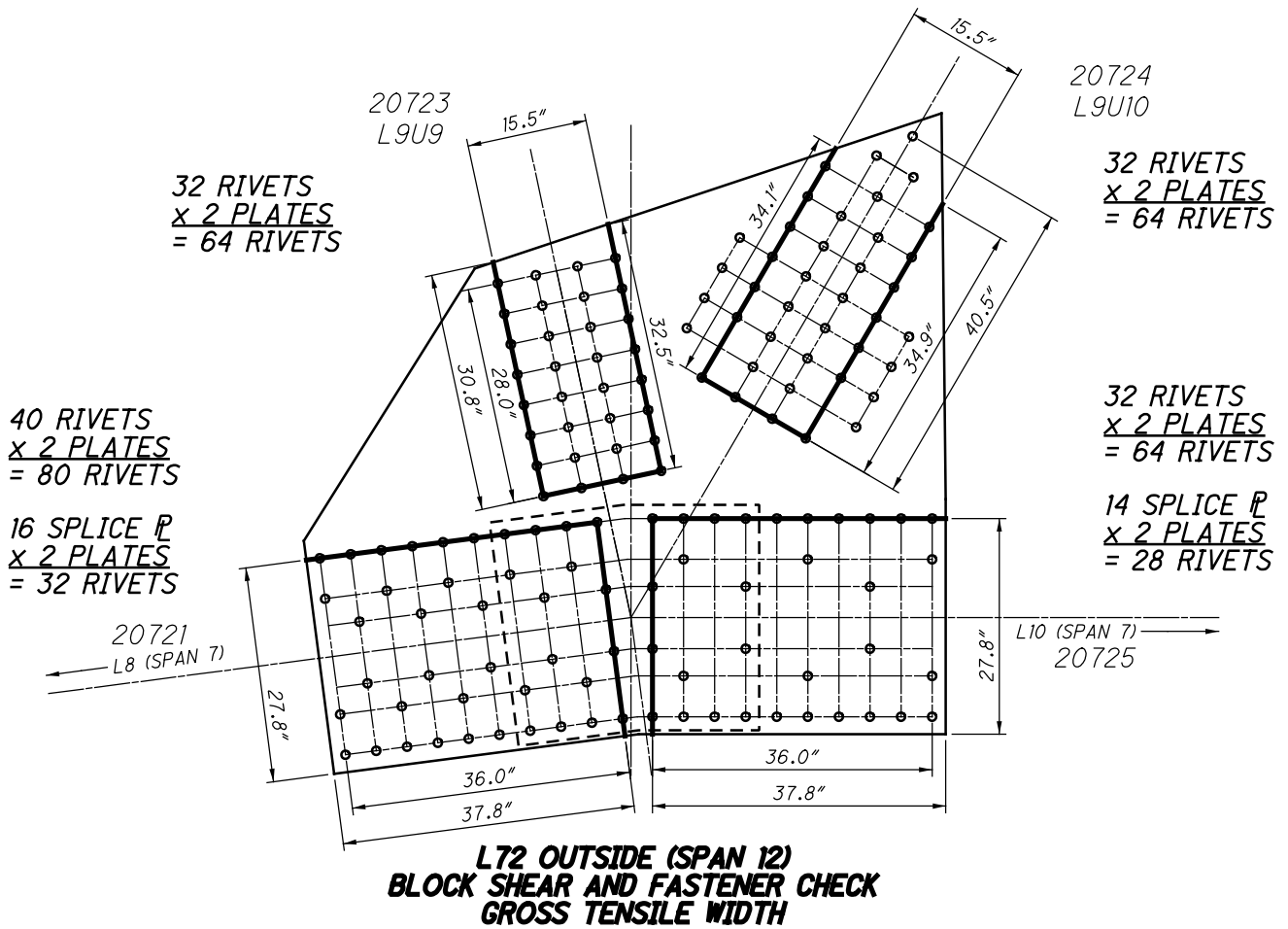


**L72 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L72 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

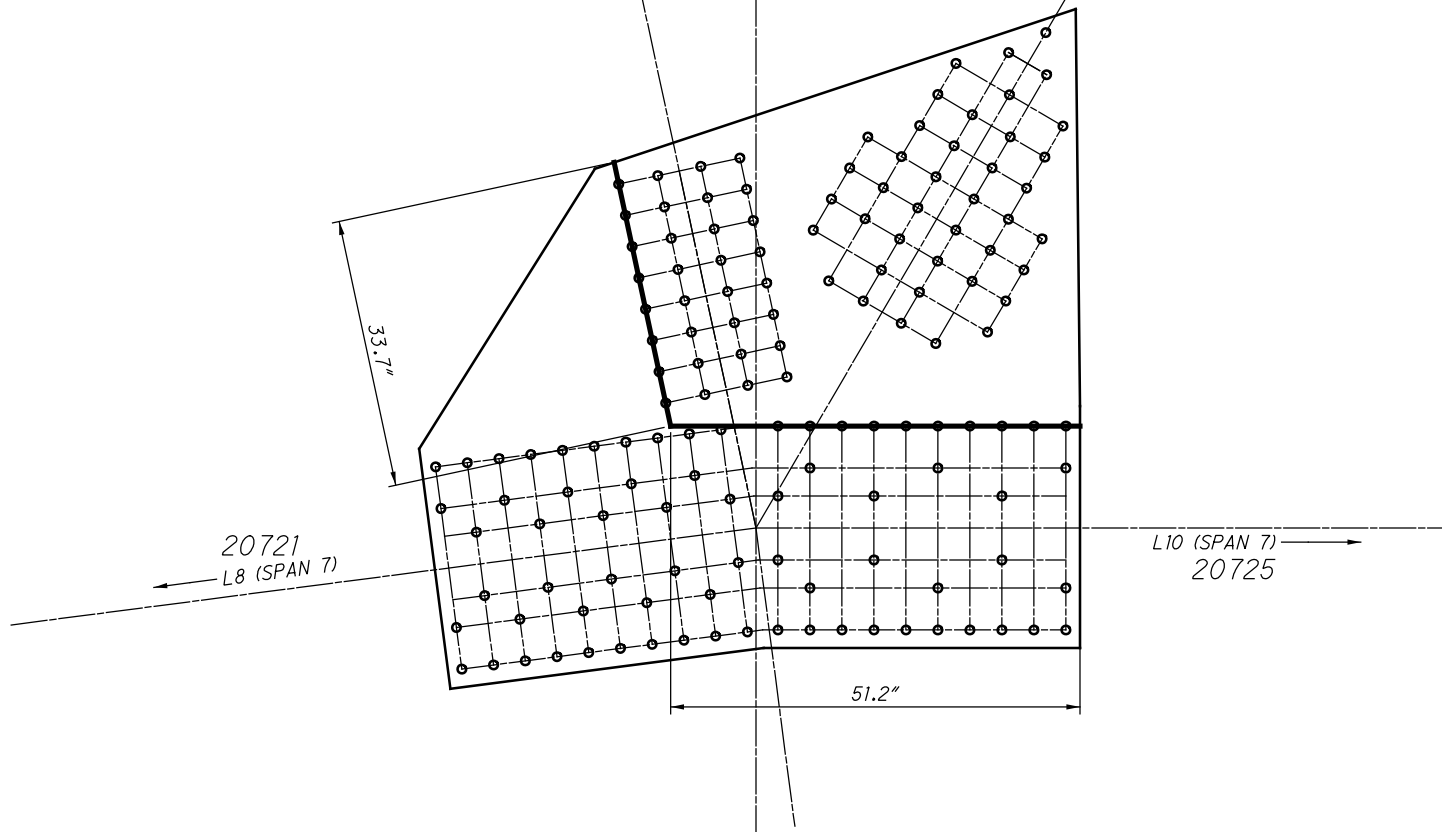
12072 AND 42072



12072 AND 42072

20723
L9U9

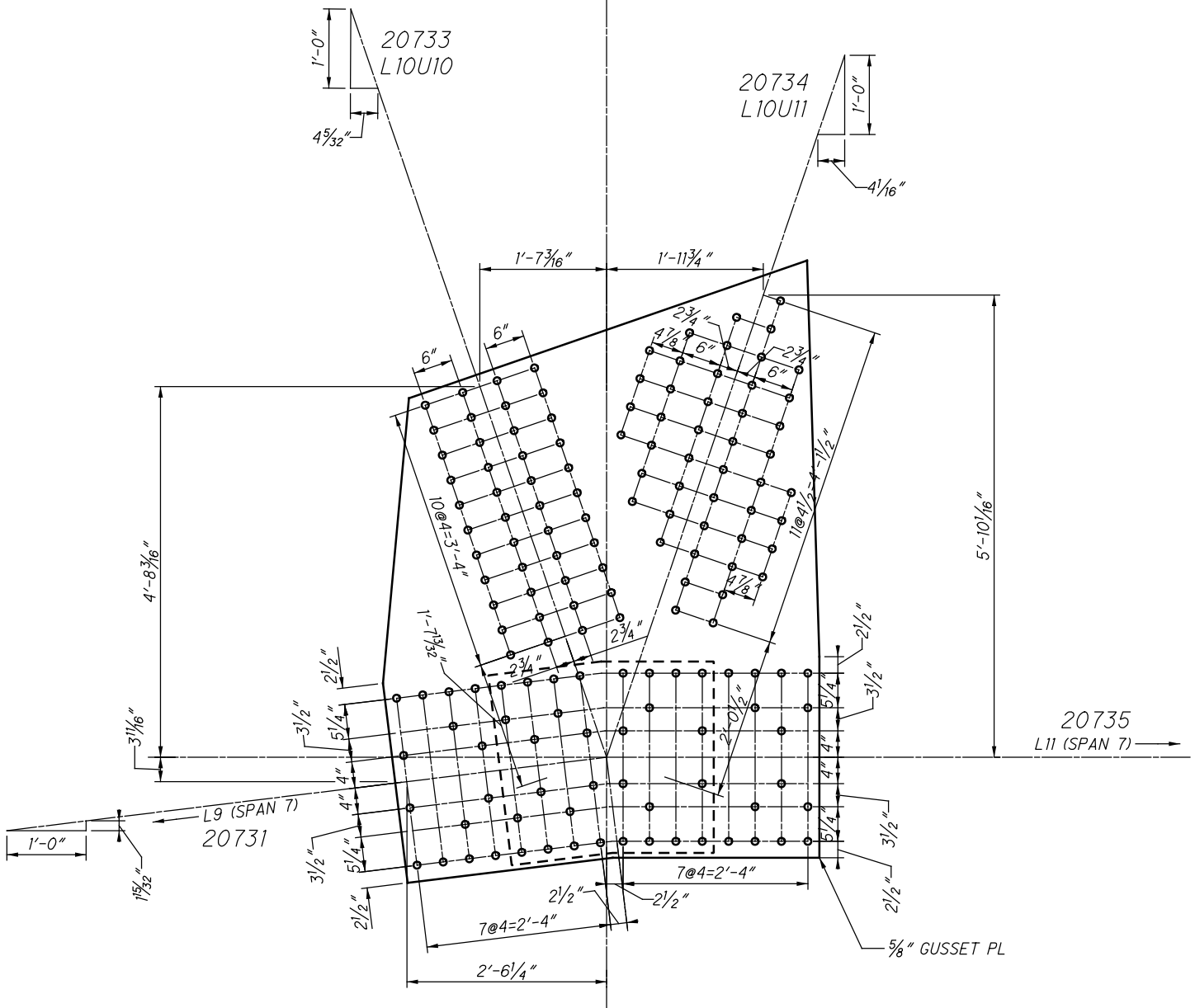
20724
L9U10



**L72 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**

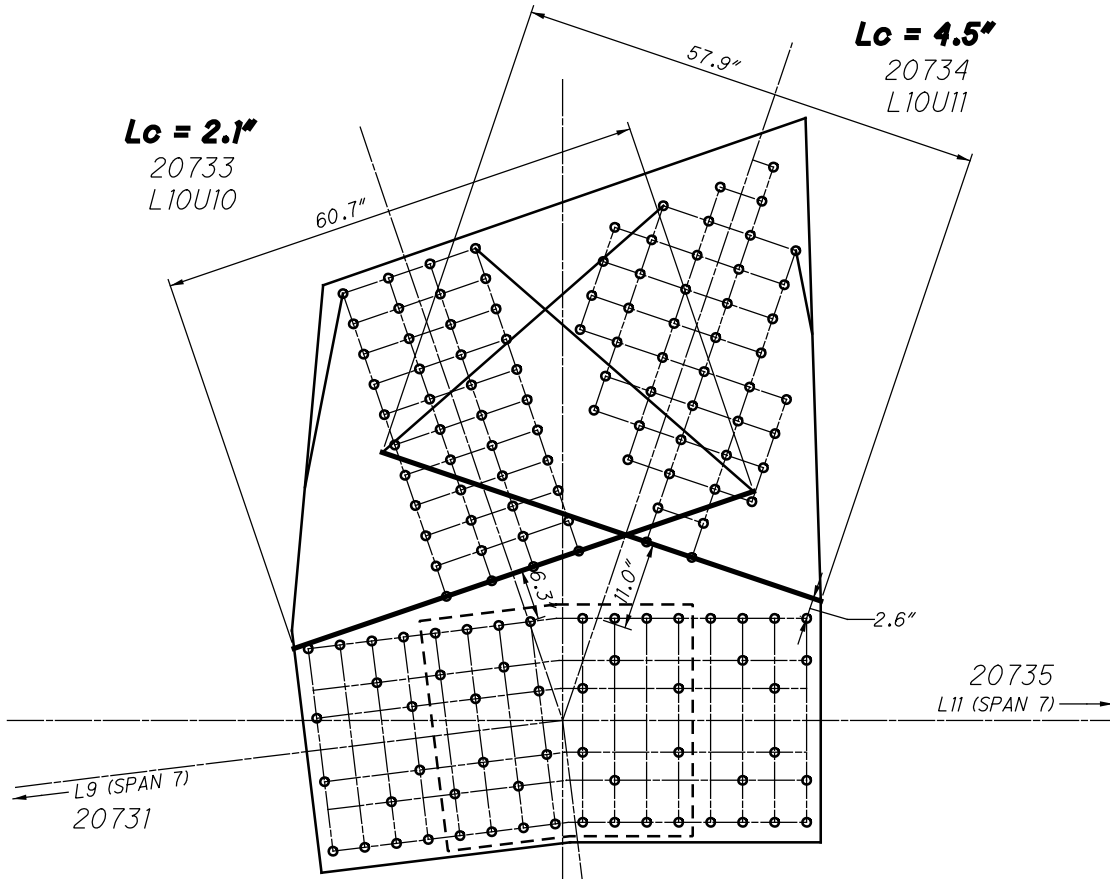
20734
L10U11

20734
L10U11

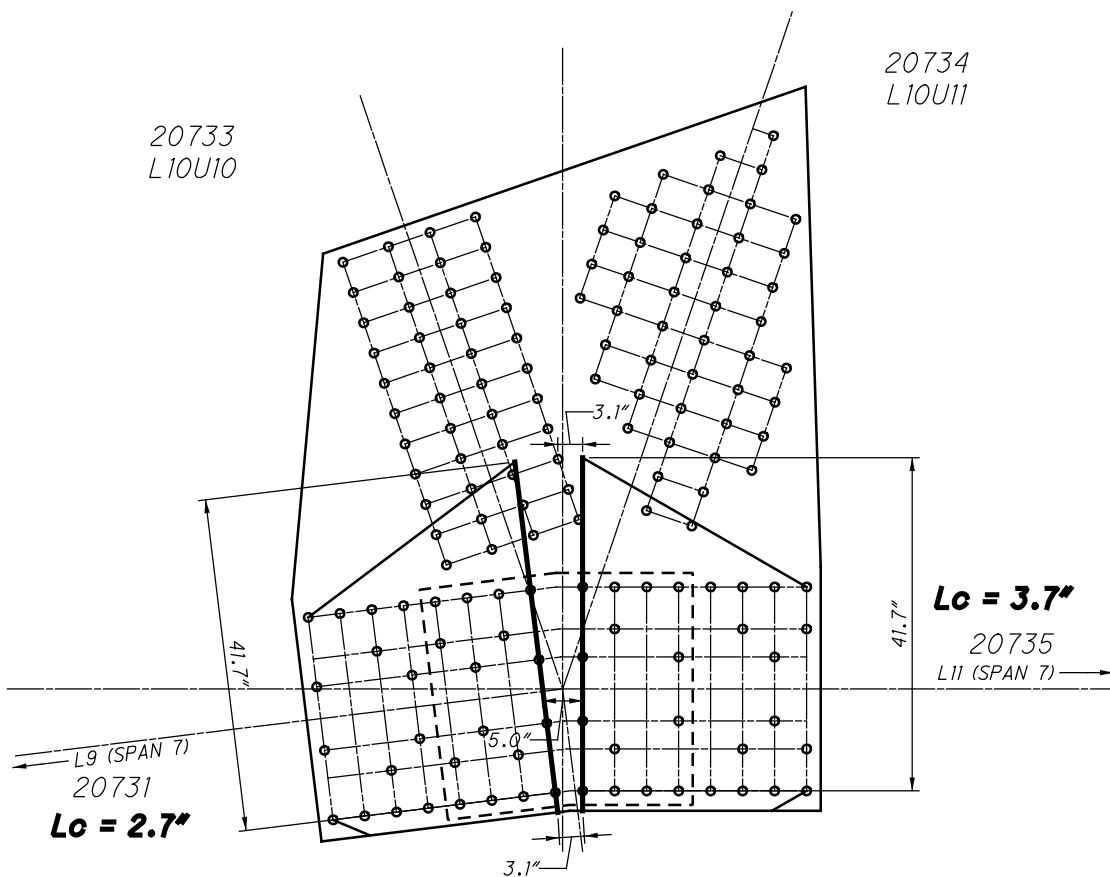


L73 OUTSIDE (SPAN 12)

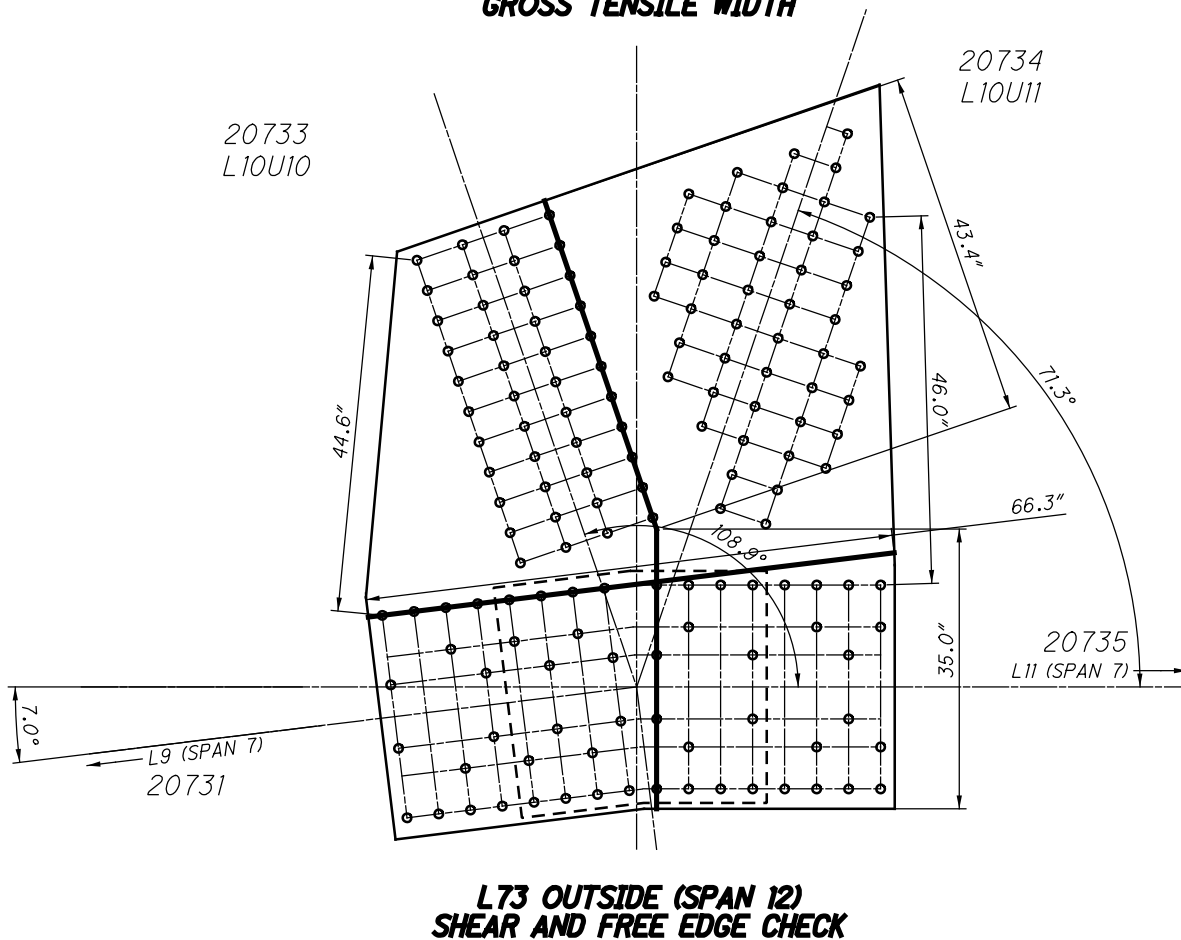
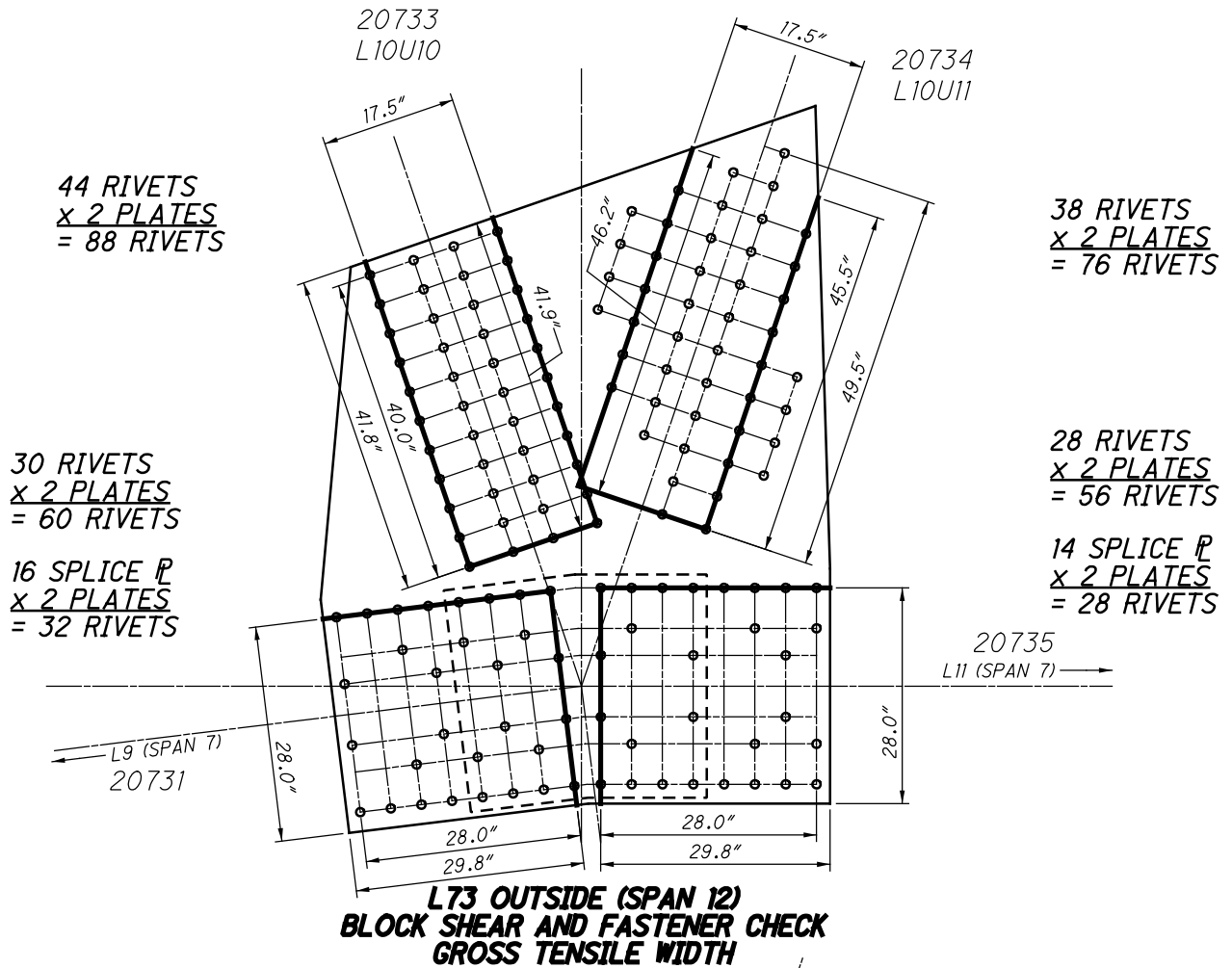
12073 AND 42073

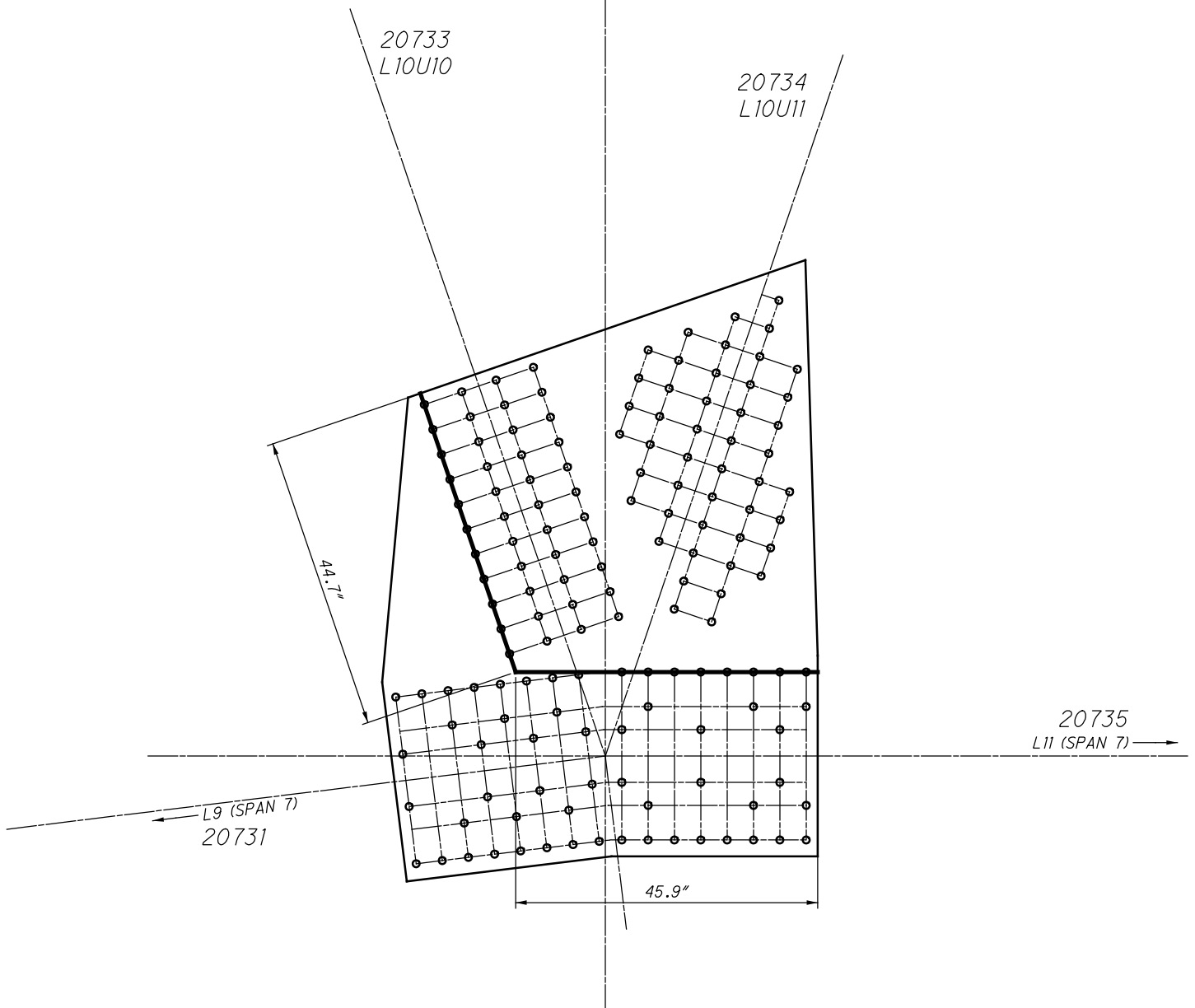


**L73 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

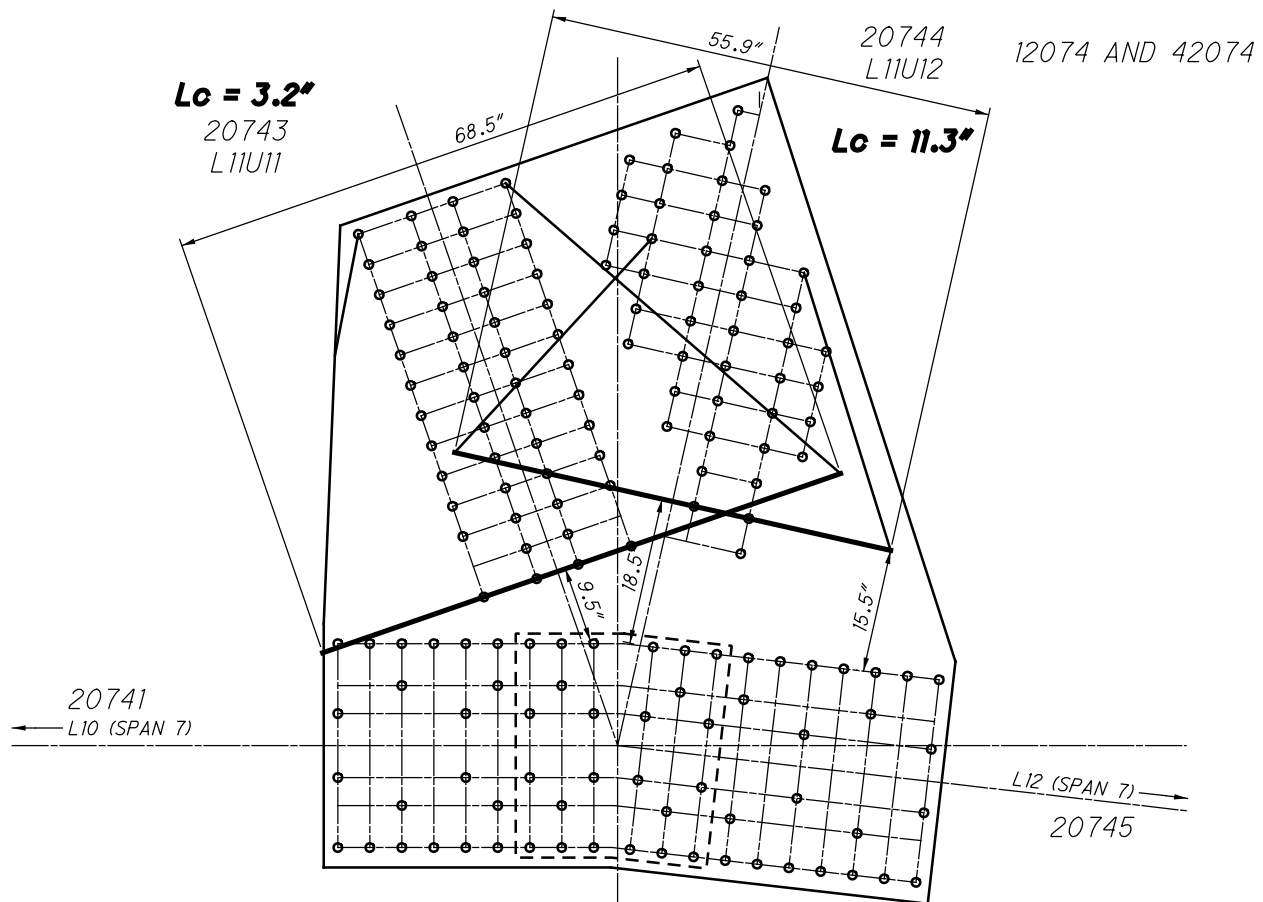


**L73 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

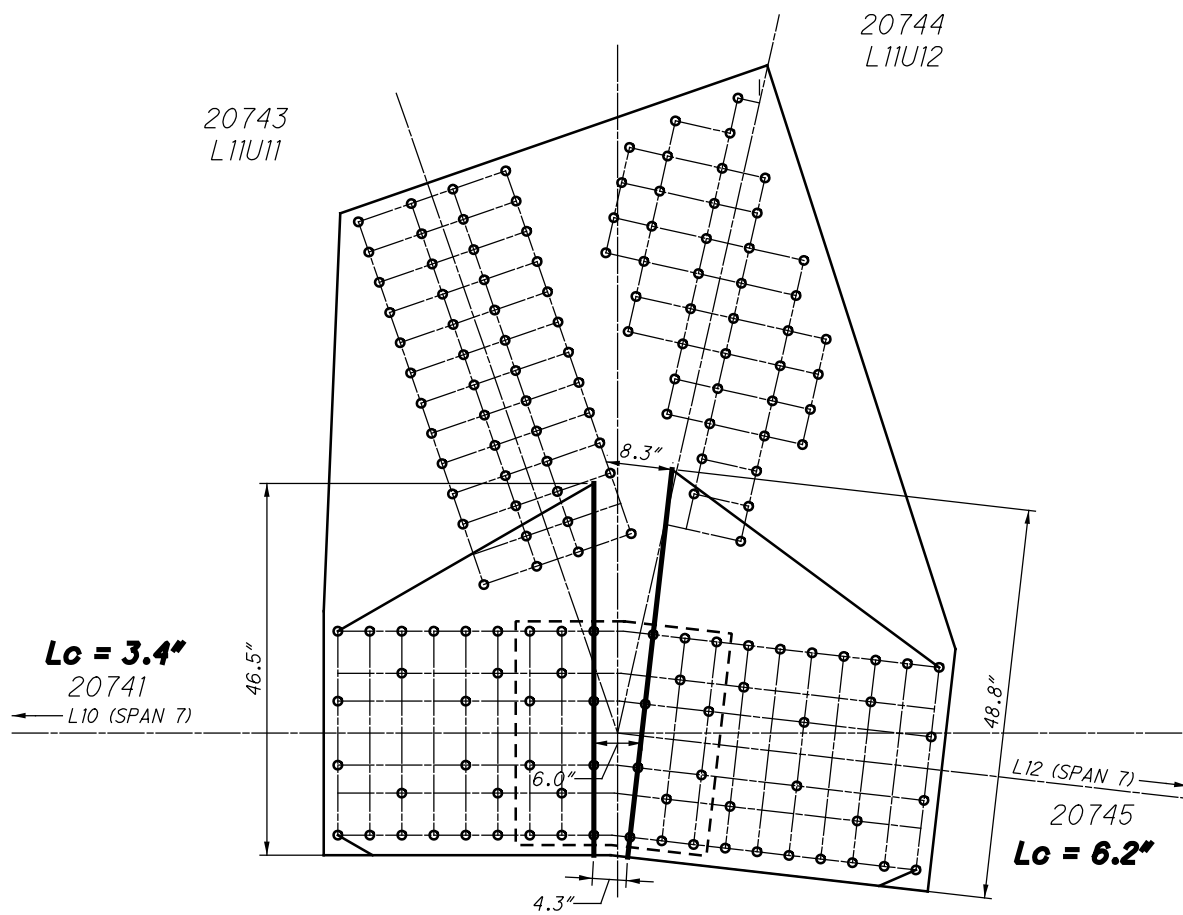




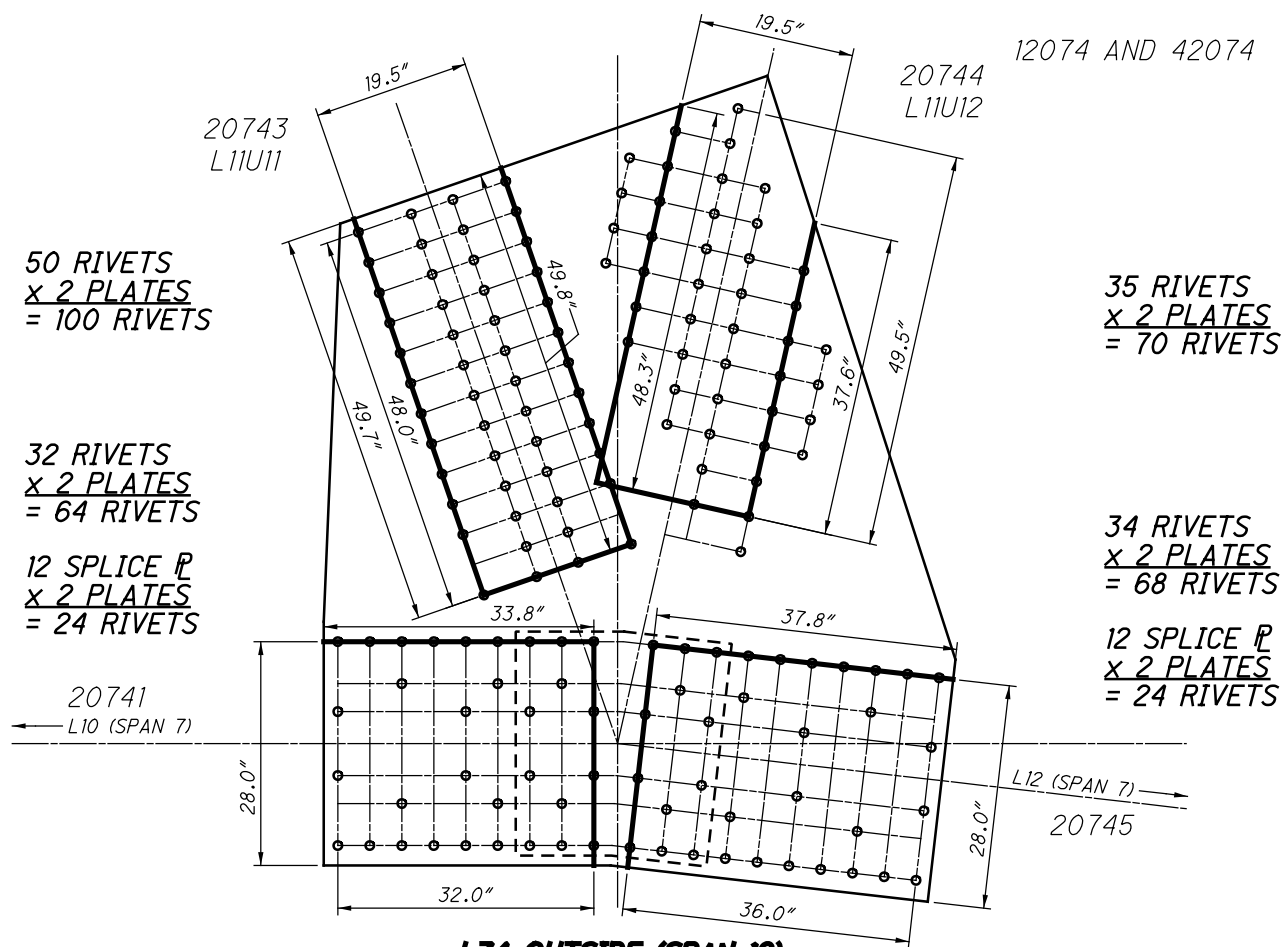
**L73 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



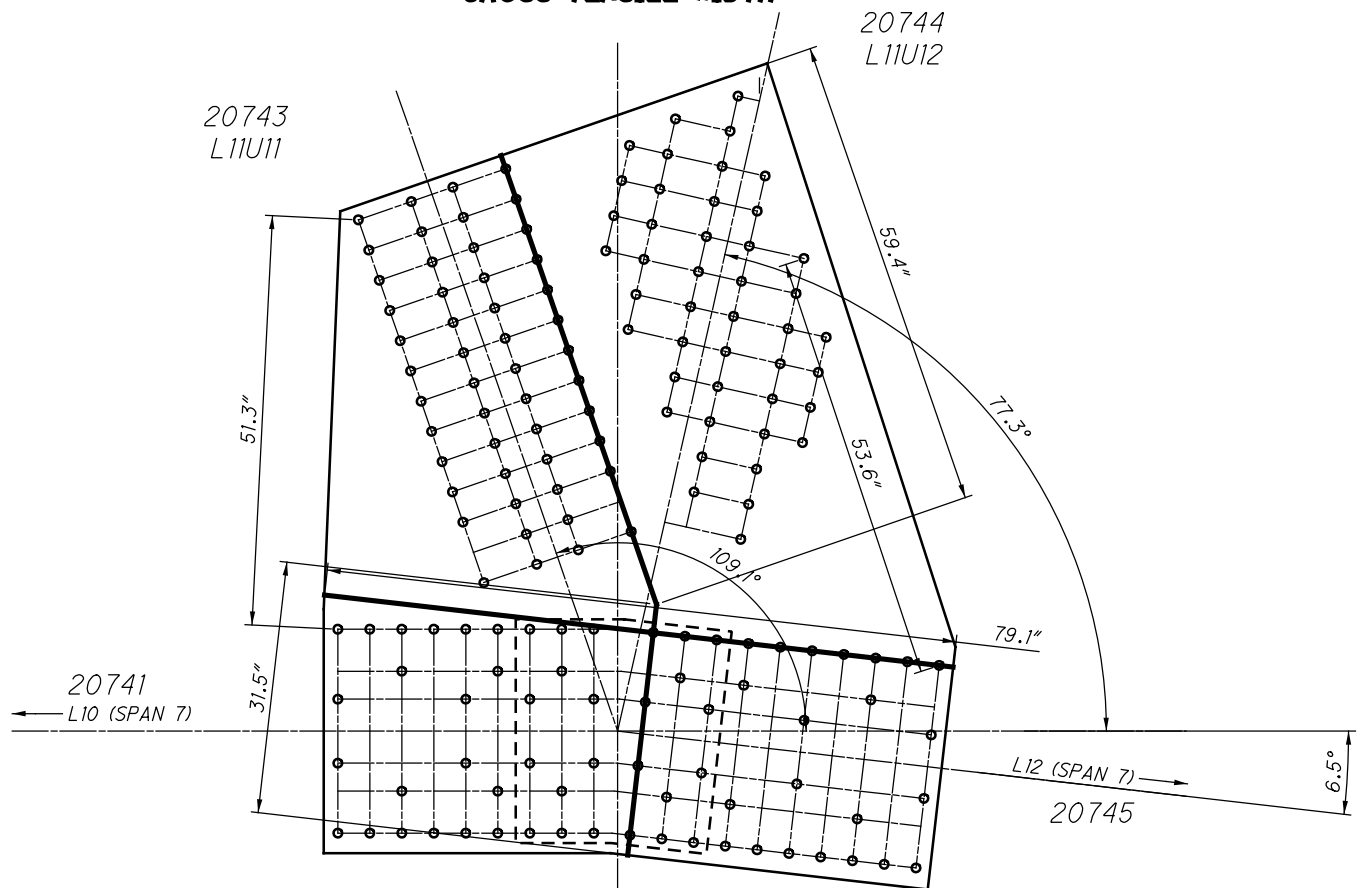
**L74 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L74 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L74 OUTSIDE (SPAN 12)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

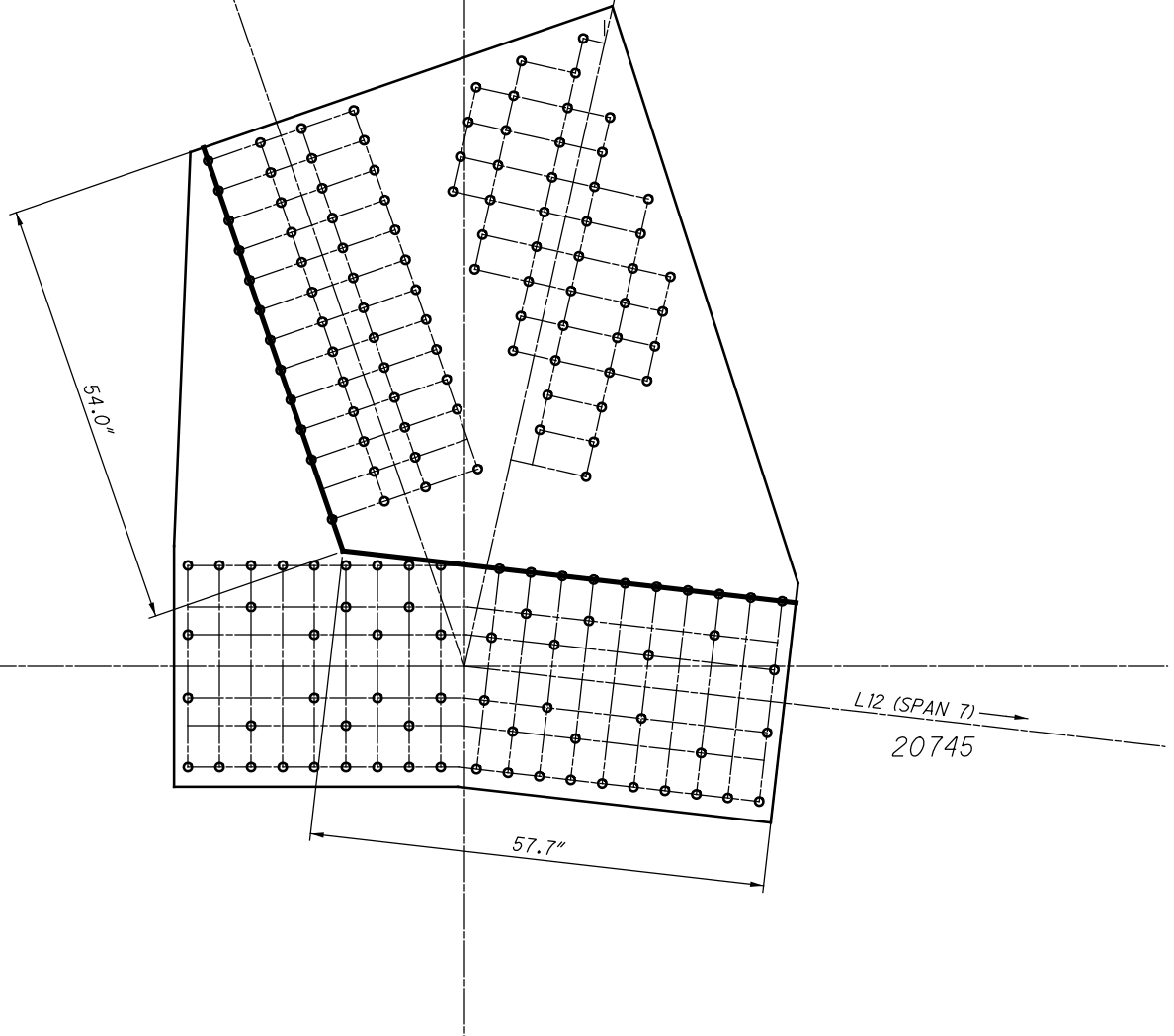


**L74 OUTSIDE (SPAN 12)
 SHEAR AND FREE EDGE CHECK**

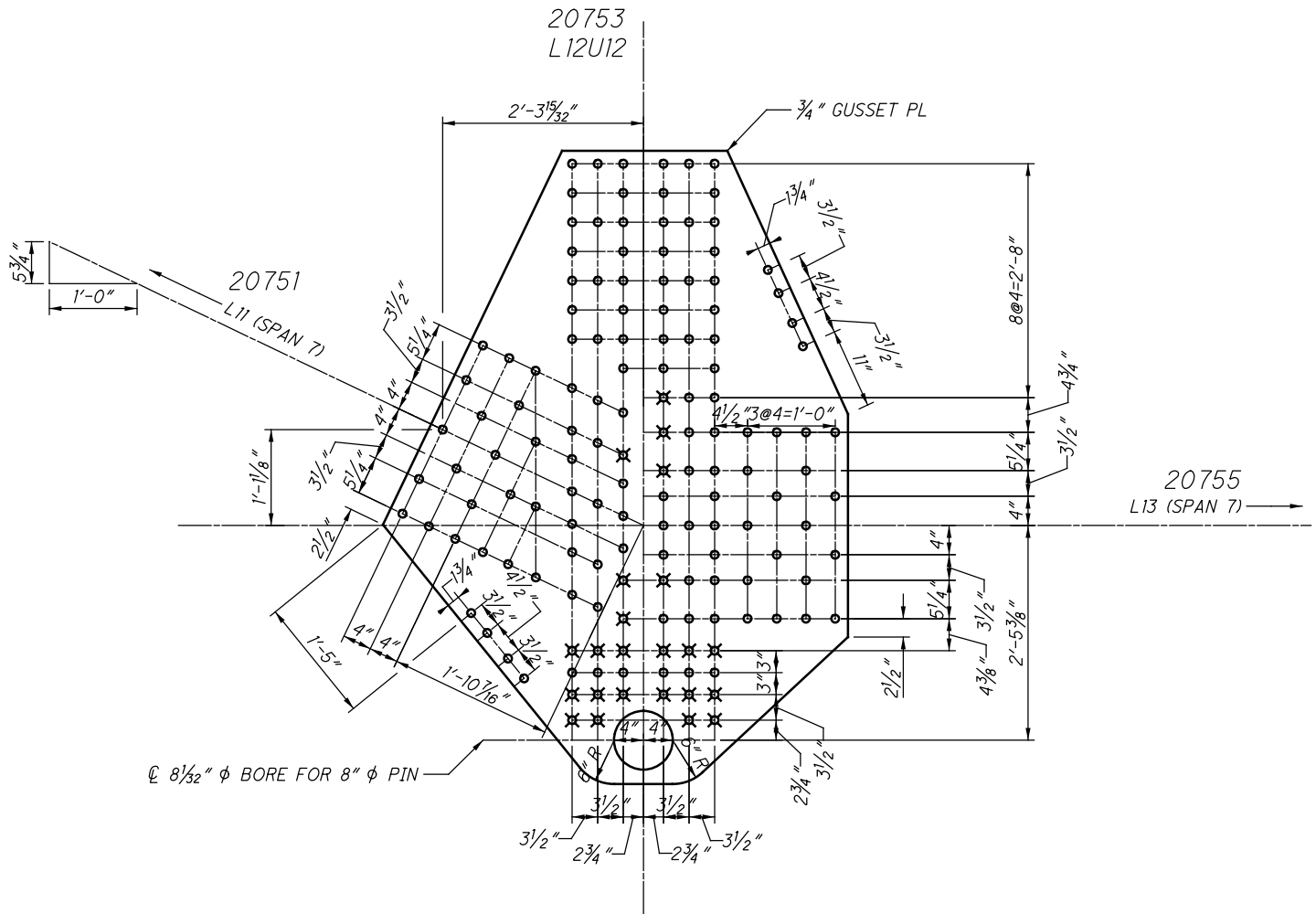
12074 AND 42074

20743
L11U11

20744
L11U12



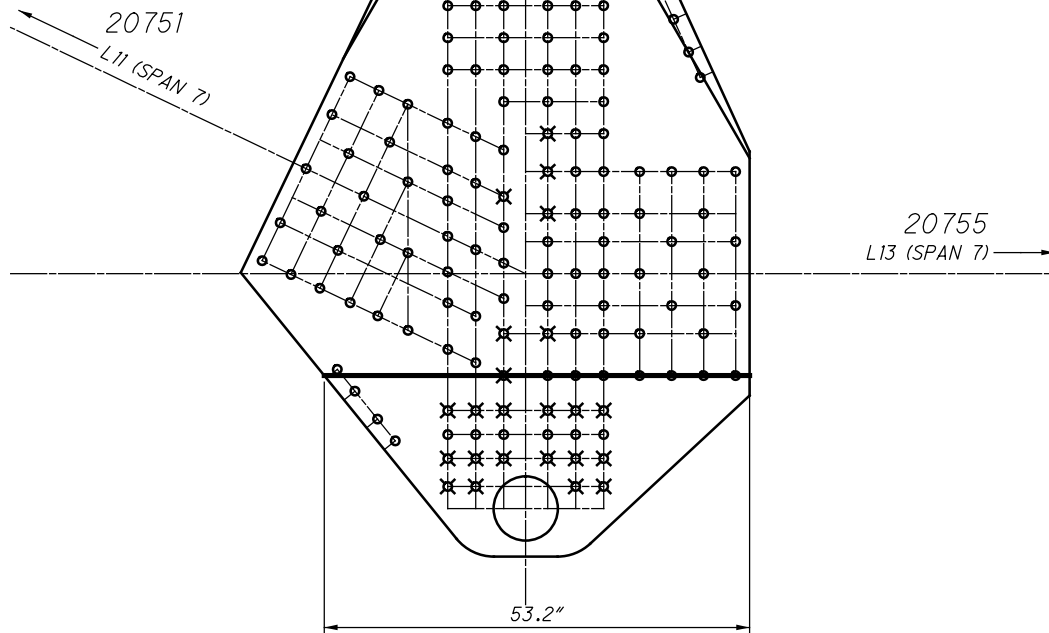
**L74 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



L75 OUTSIDE (SPAN 12)
(PIN PLATES NOT SHOWN)

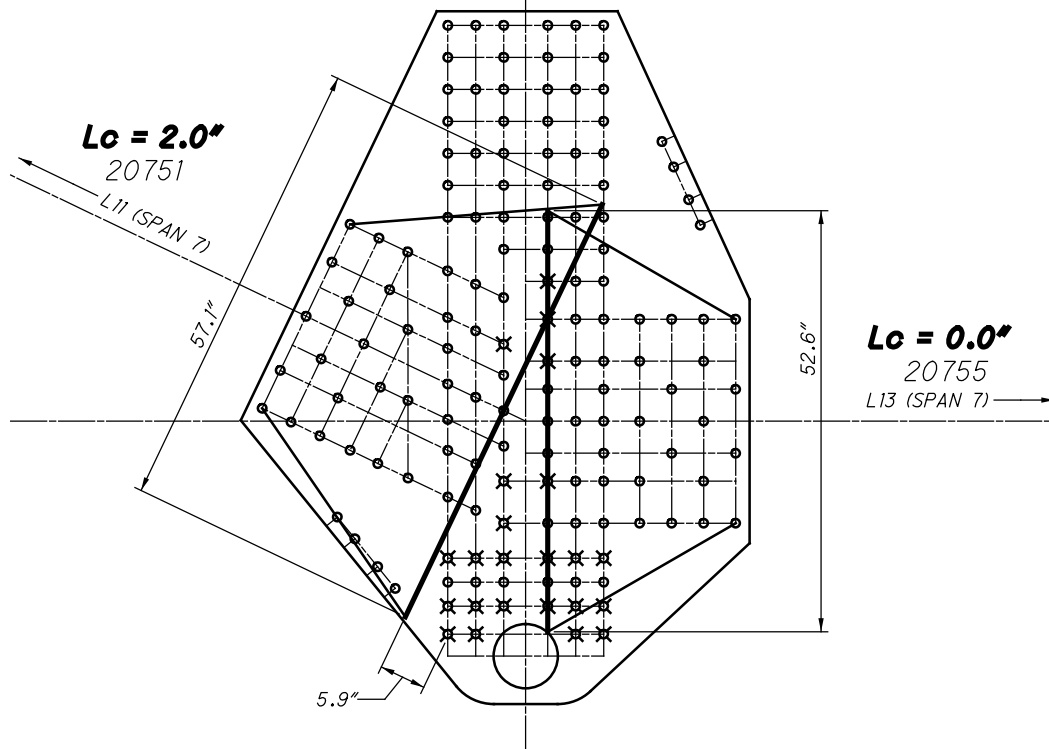
20753
L12U12

12075 AND 42075



L75 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S
(PIN PLATES NOT SHOWN)

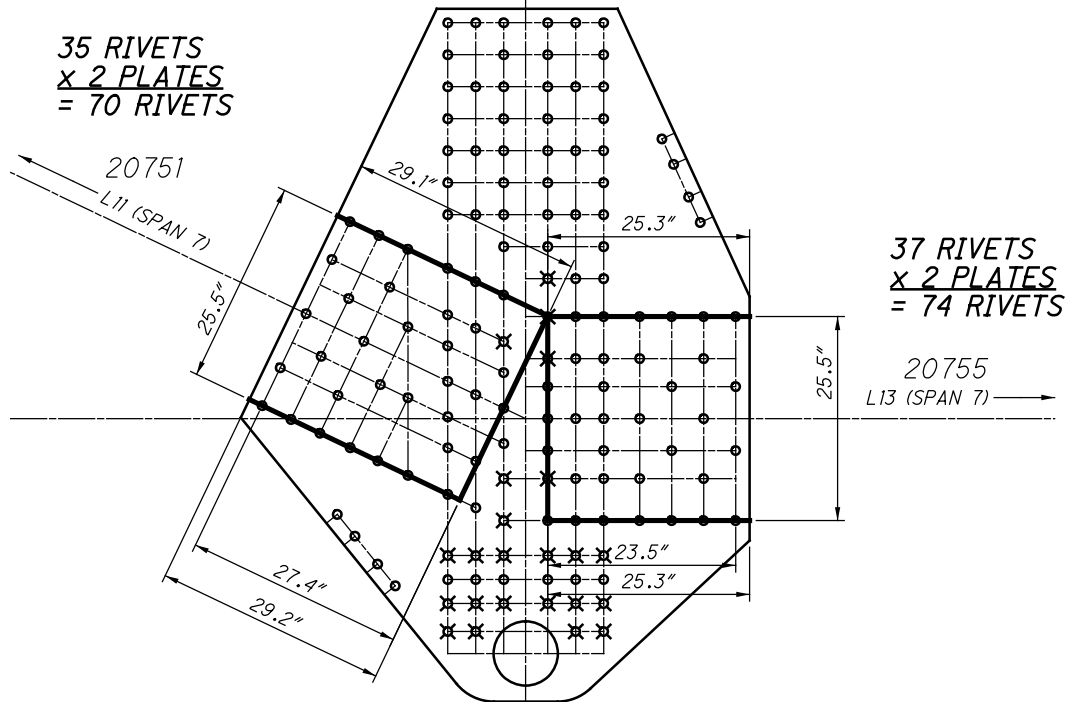
20753
L12U12



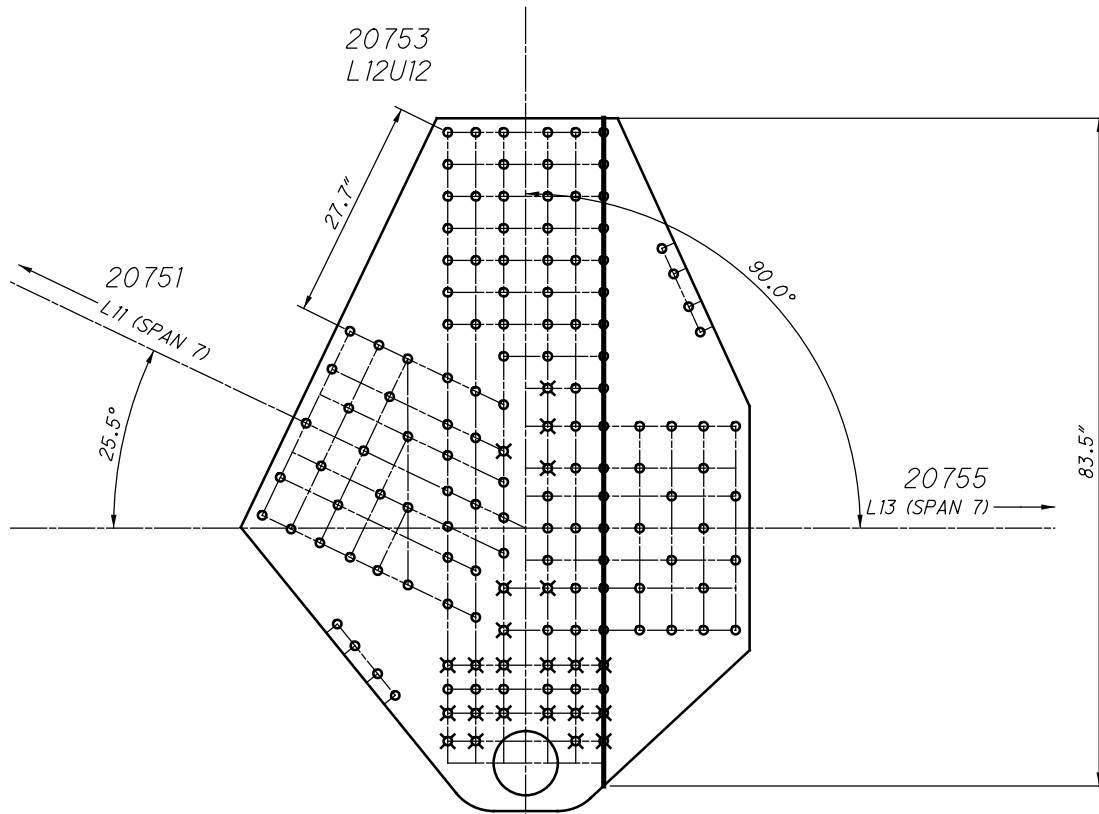
L75 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S
(PIN PLATES NOT SHOWN)

20753
L12U12

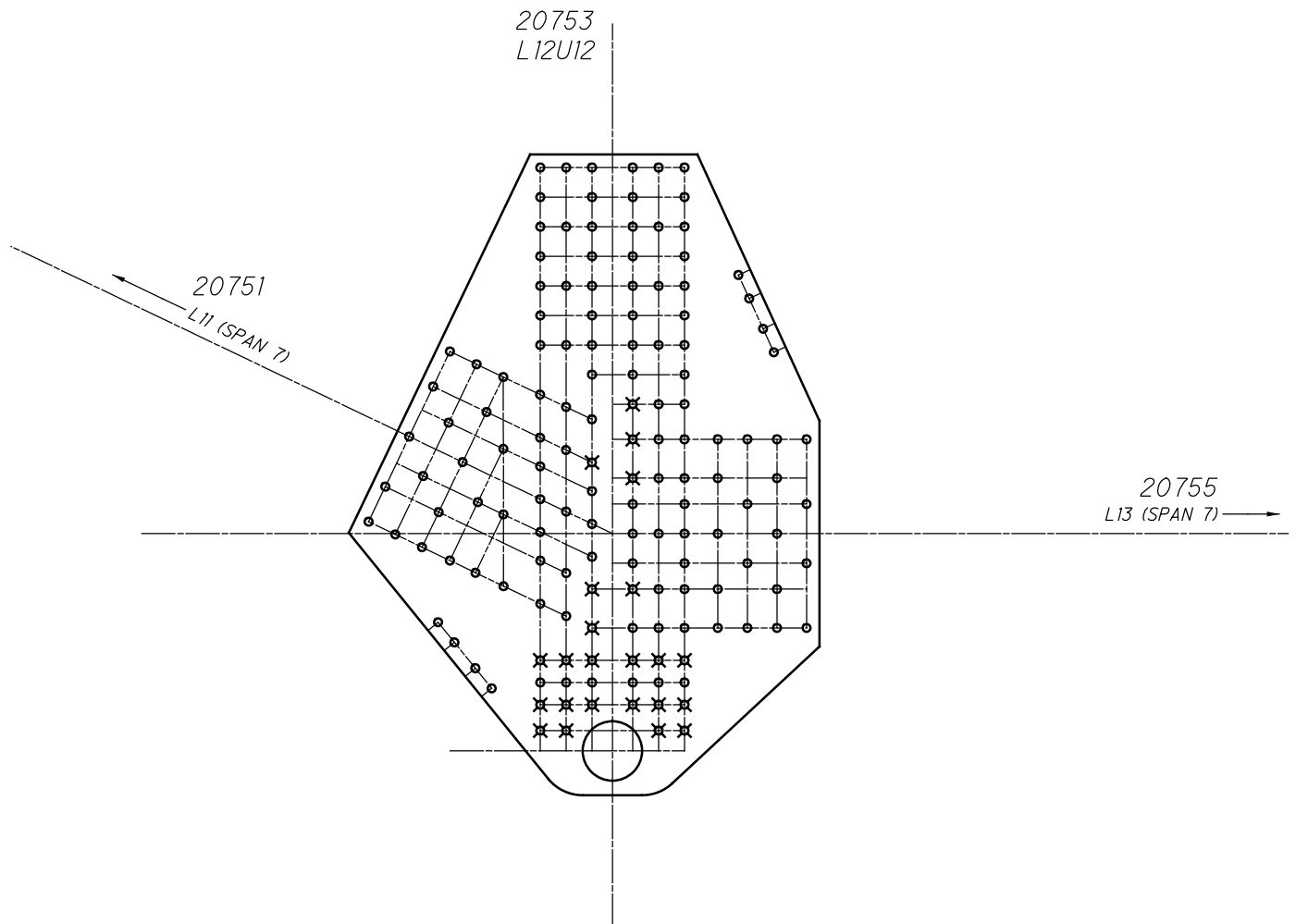
12075 AND 42075



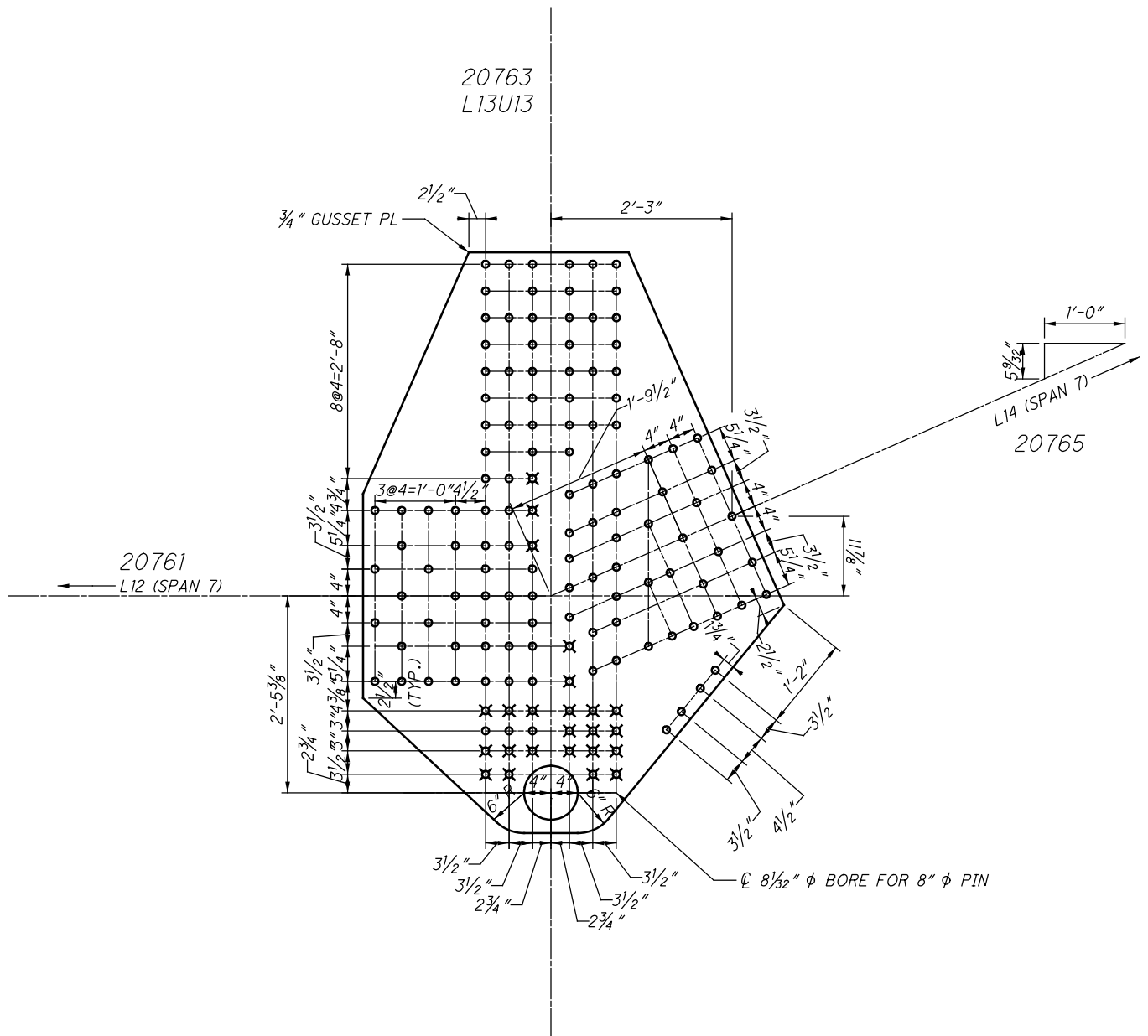
L75 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH
(PIN PLATES NOT SHOWN)



L75 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK
(PIN PLATES NOT SHOWN)



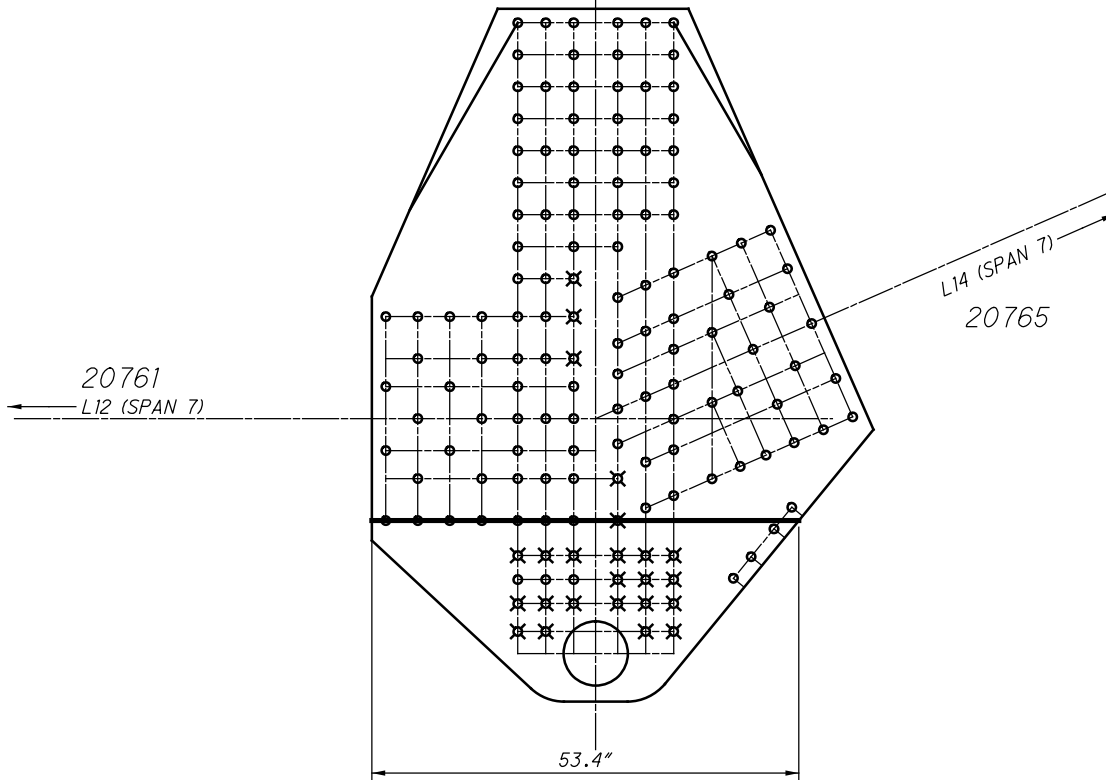
L75 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS
(PIN PLATES NOT SHOWN)



L76 OUTSIDE (SPAN 12)
(PIN PLATES NOT SHOWN)

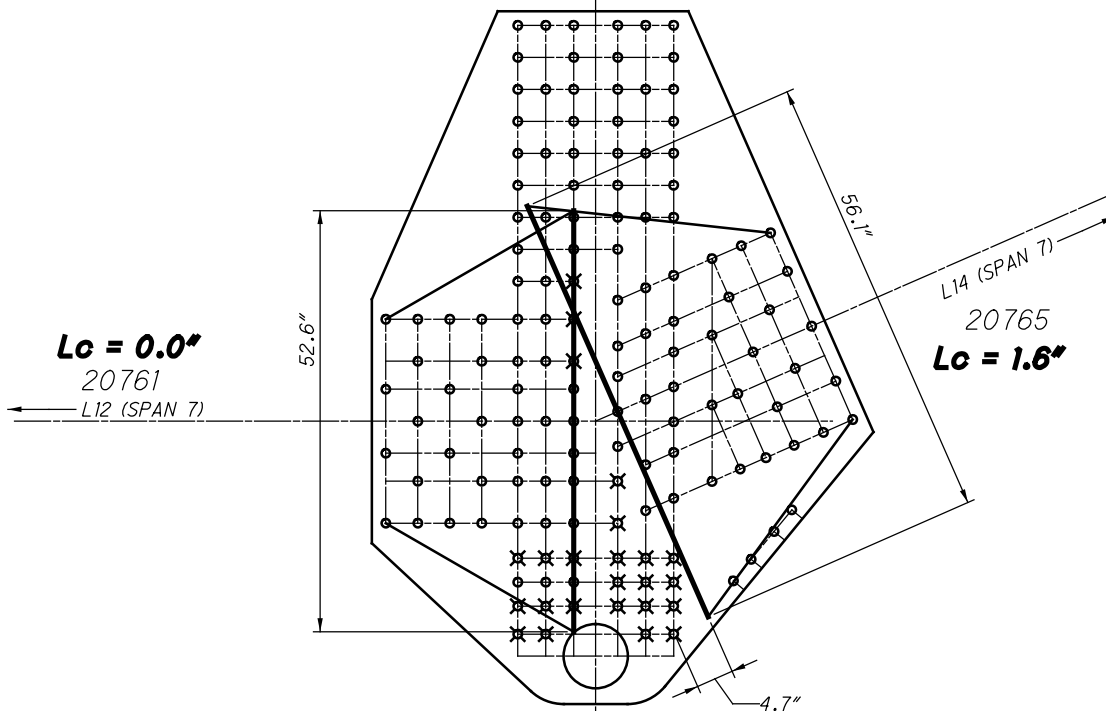
20763
L13U13

12076 AND 42076



L76 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S
(PIN PLATES NOT SHOWN)

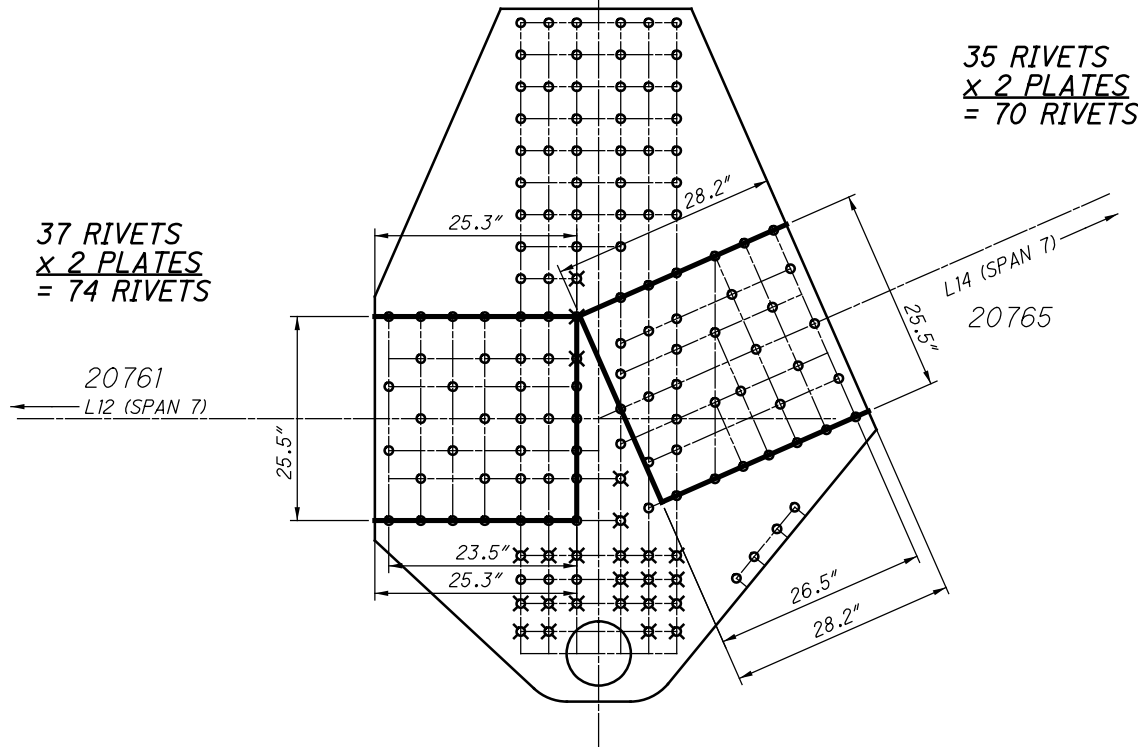
20763
L13U13



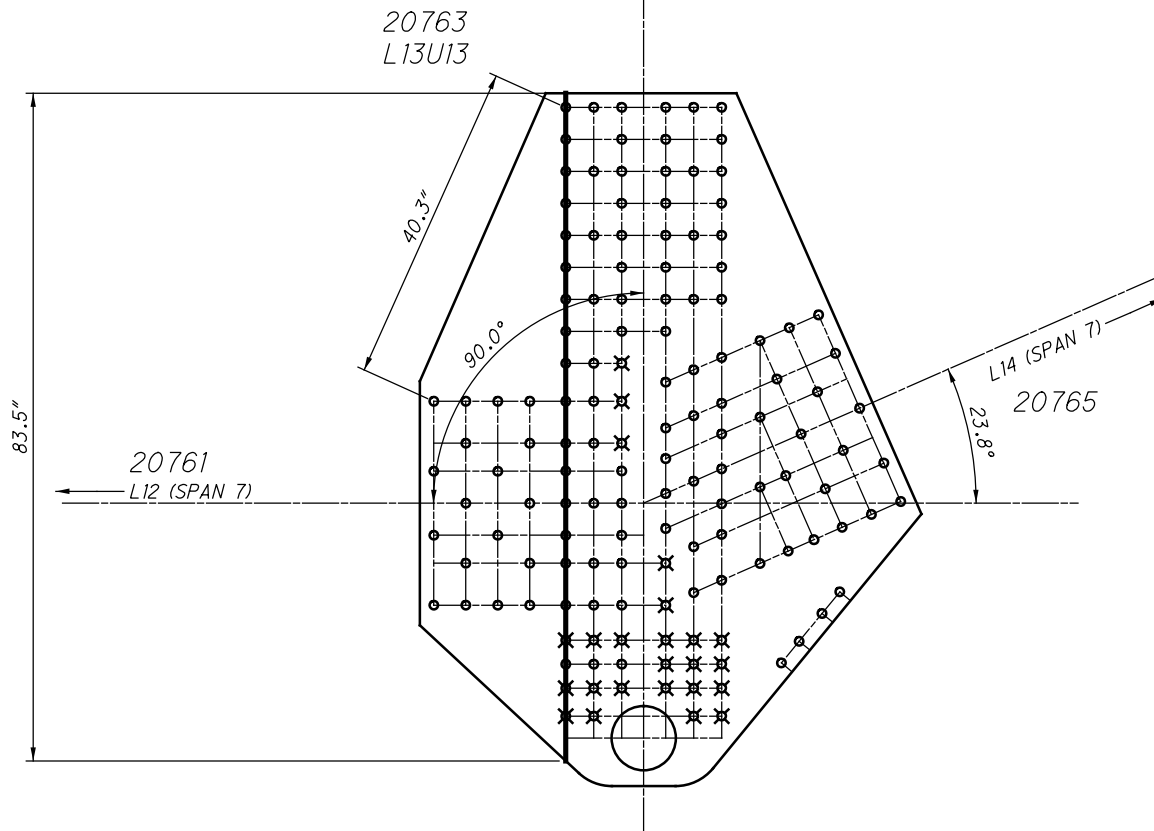
L76 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S
(PIN PLATES NOT SHOWN)

20763
L13U13

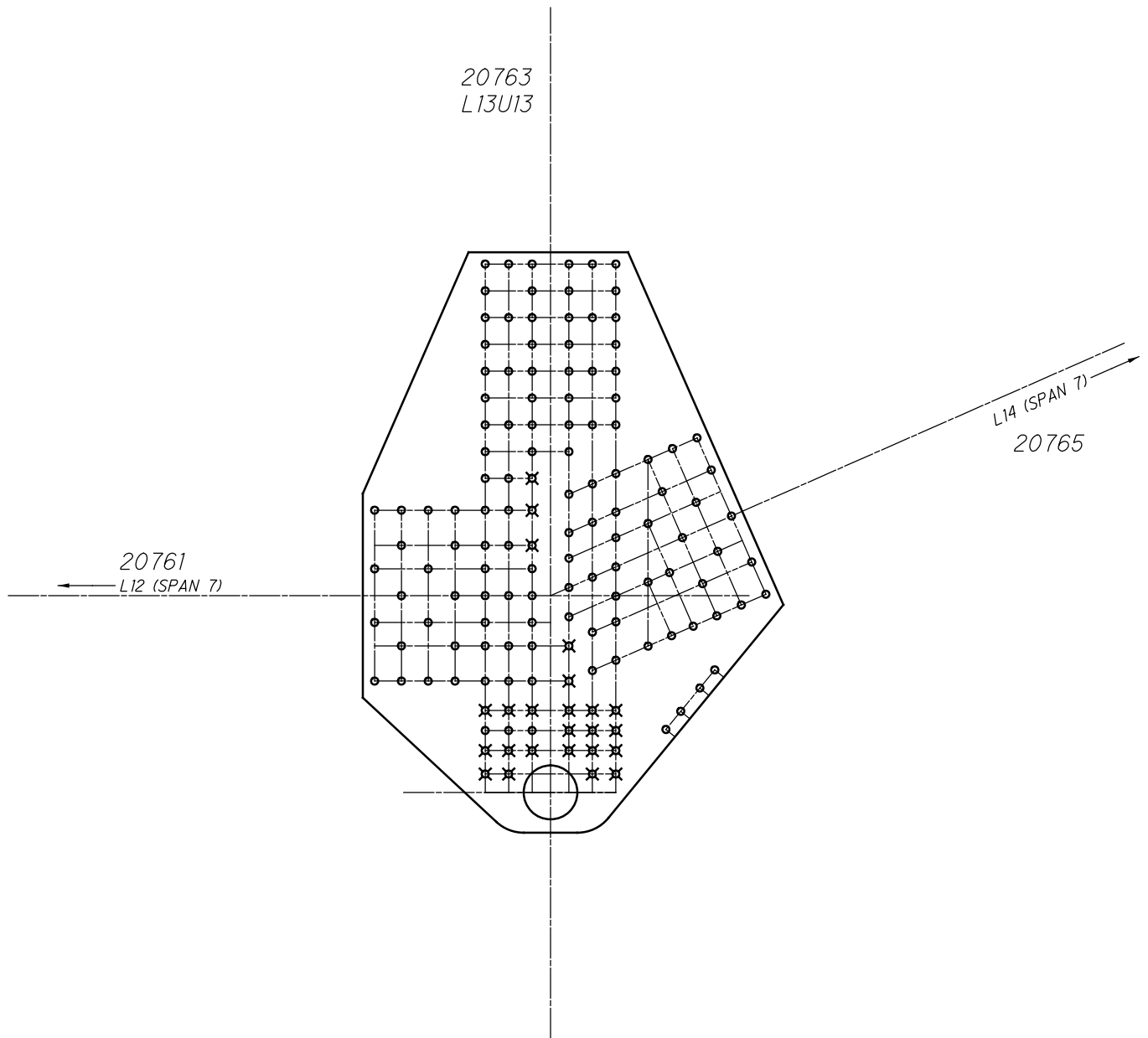
12076 AND 42076



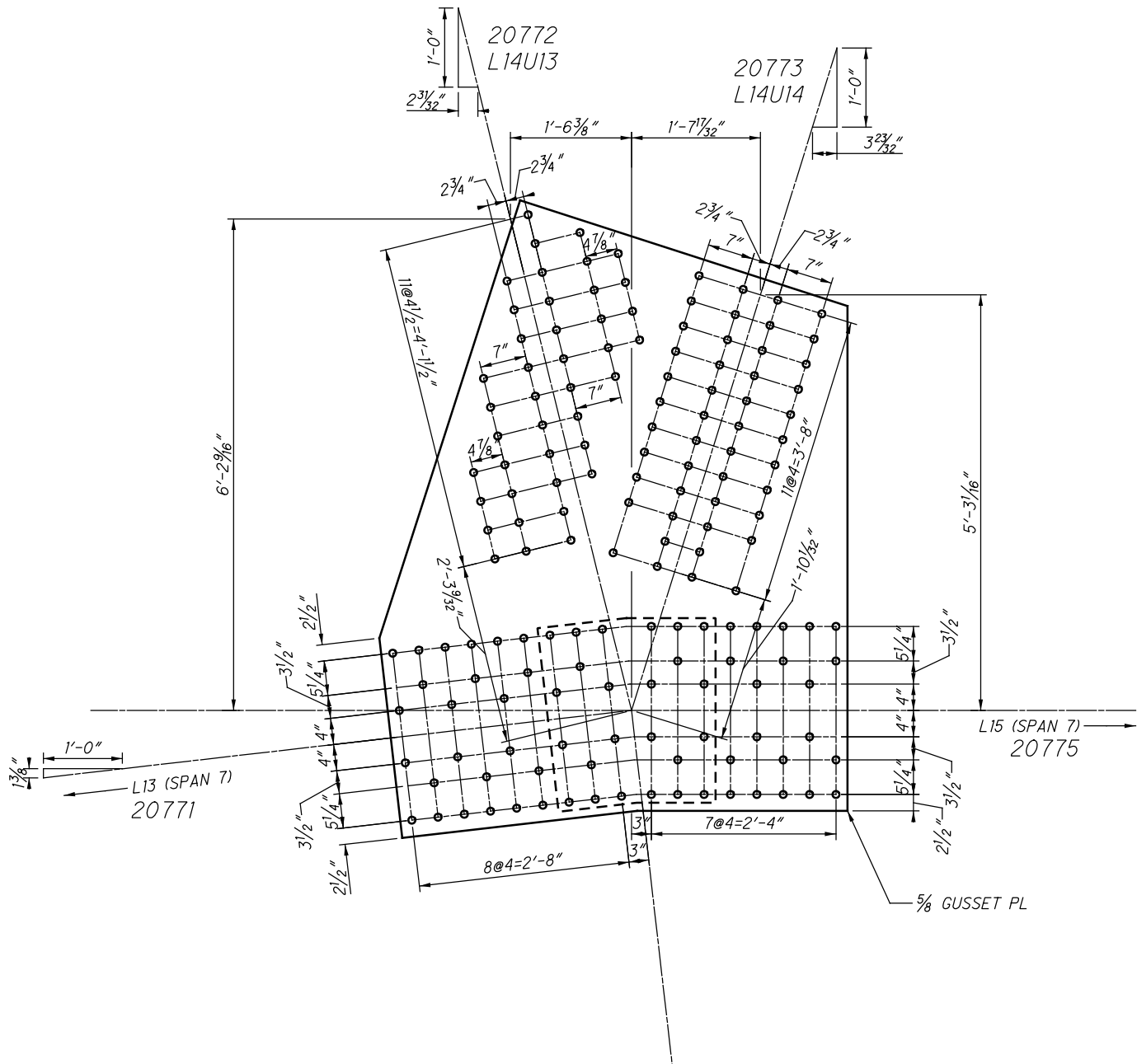
**L76 OUTSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**
(PIN PLATES NOT SHOWN)



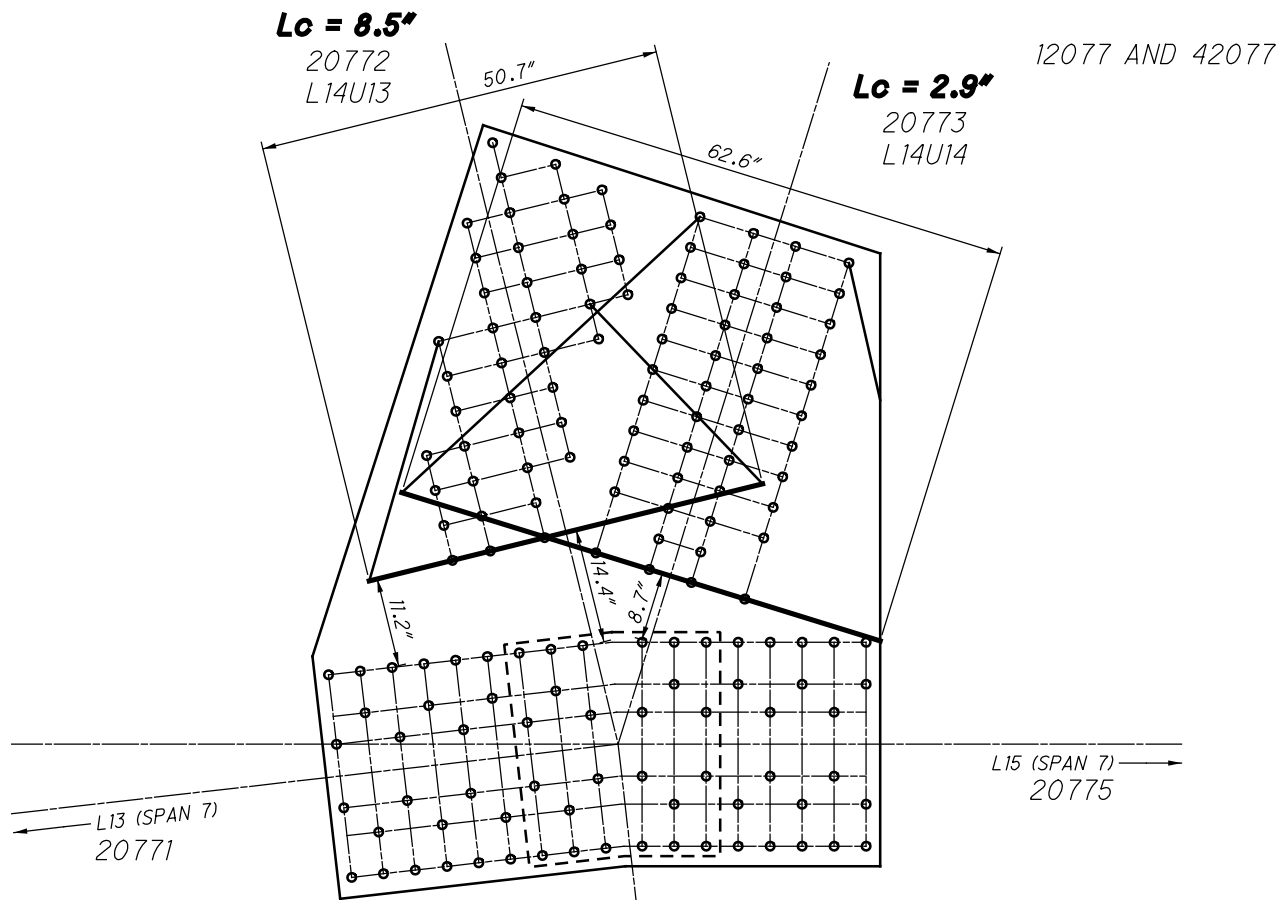
**L76 OUTSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**
(PIN PLATES NOT SHOWN)



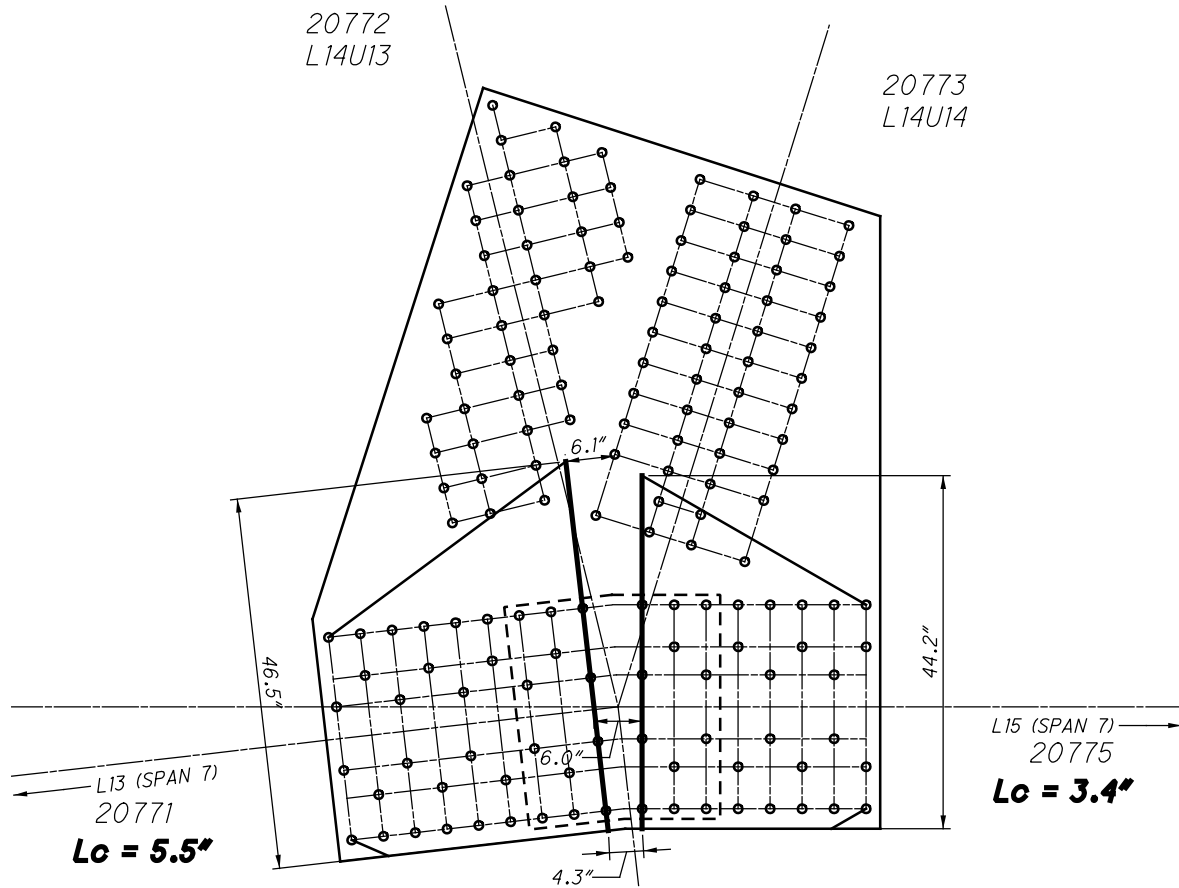
**L76 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**
(PIN PLATES NOT SHOWN)



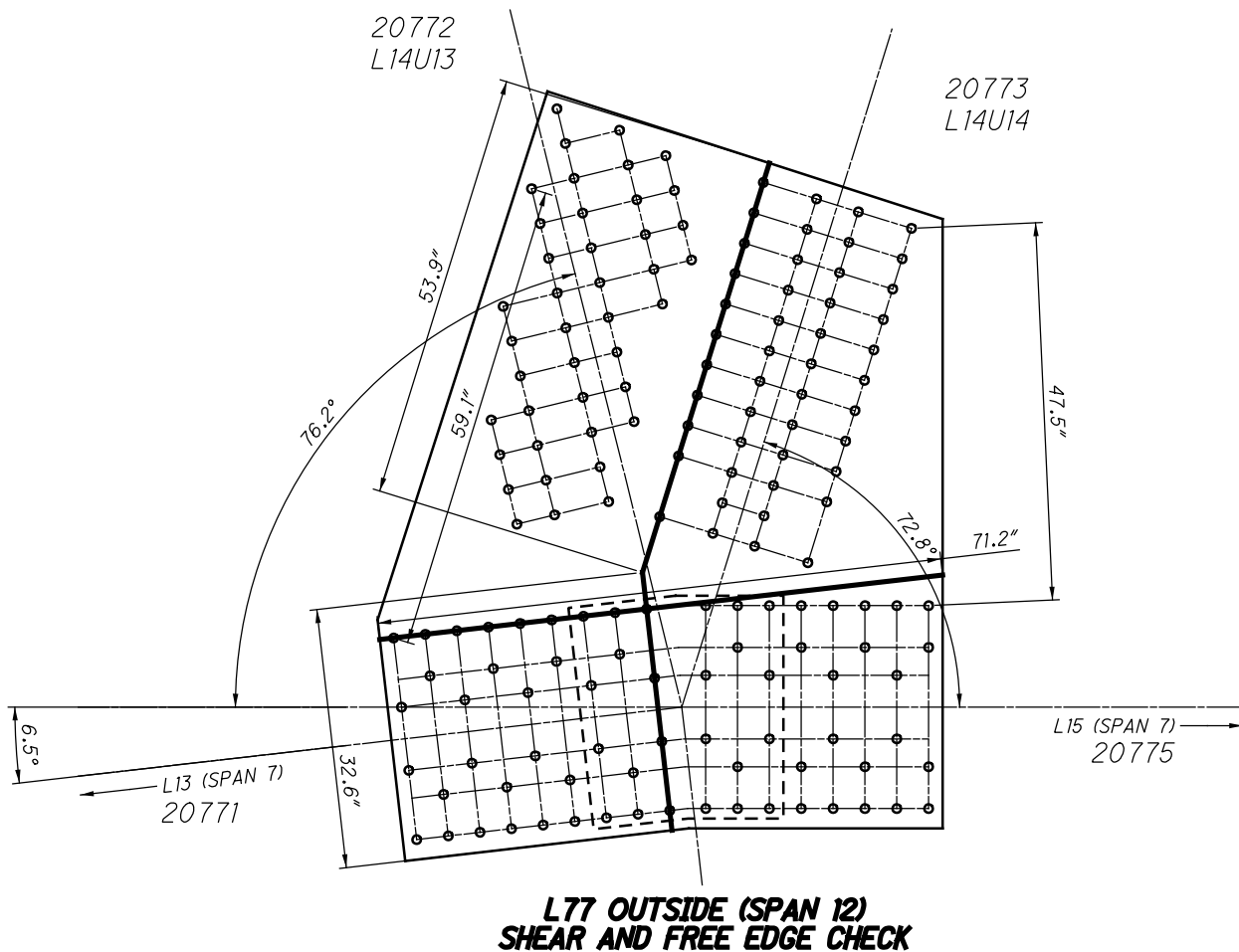
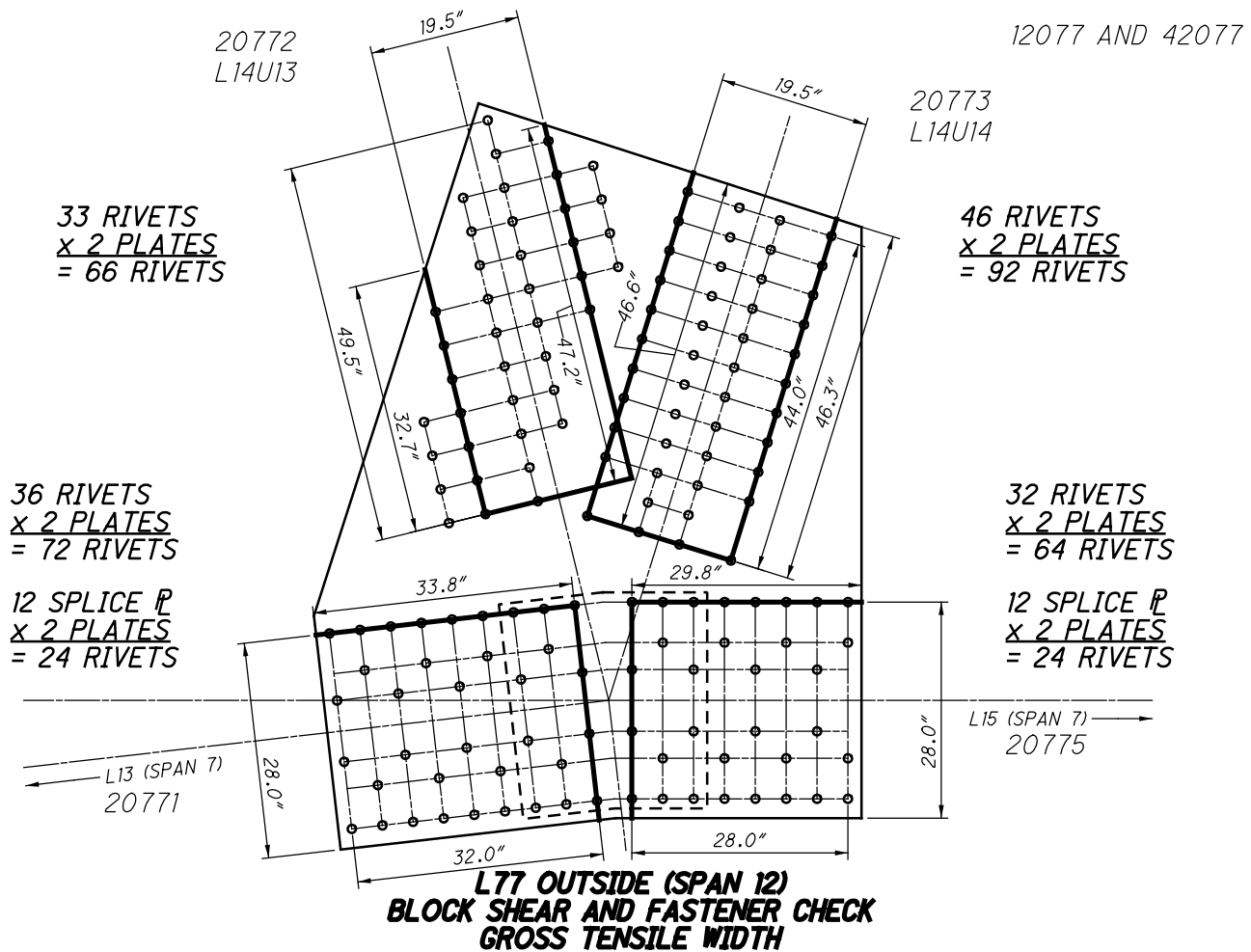
L77 OUTSIDE (SPAN 12)

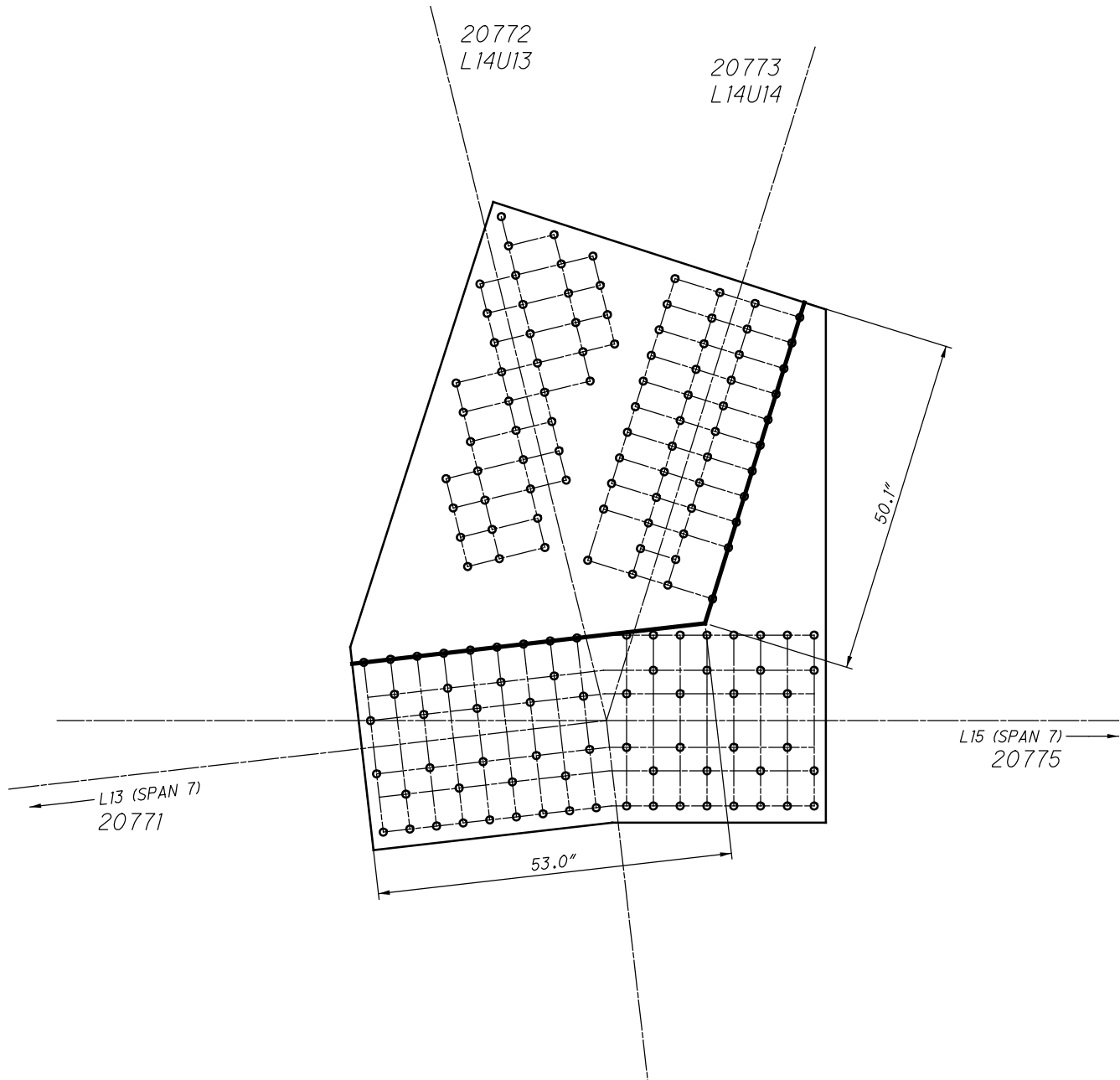


**L77 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

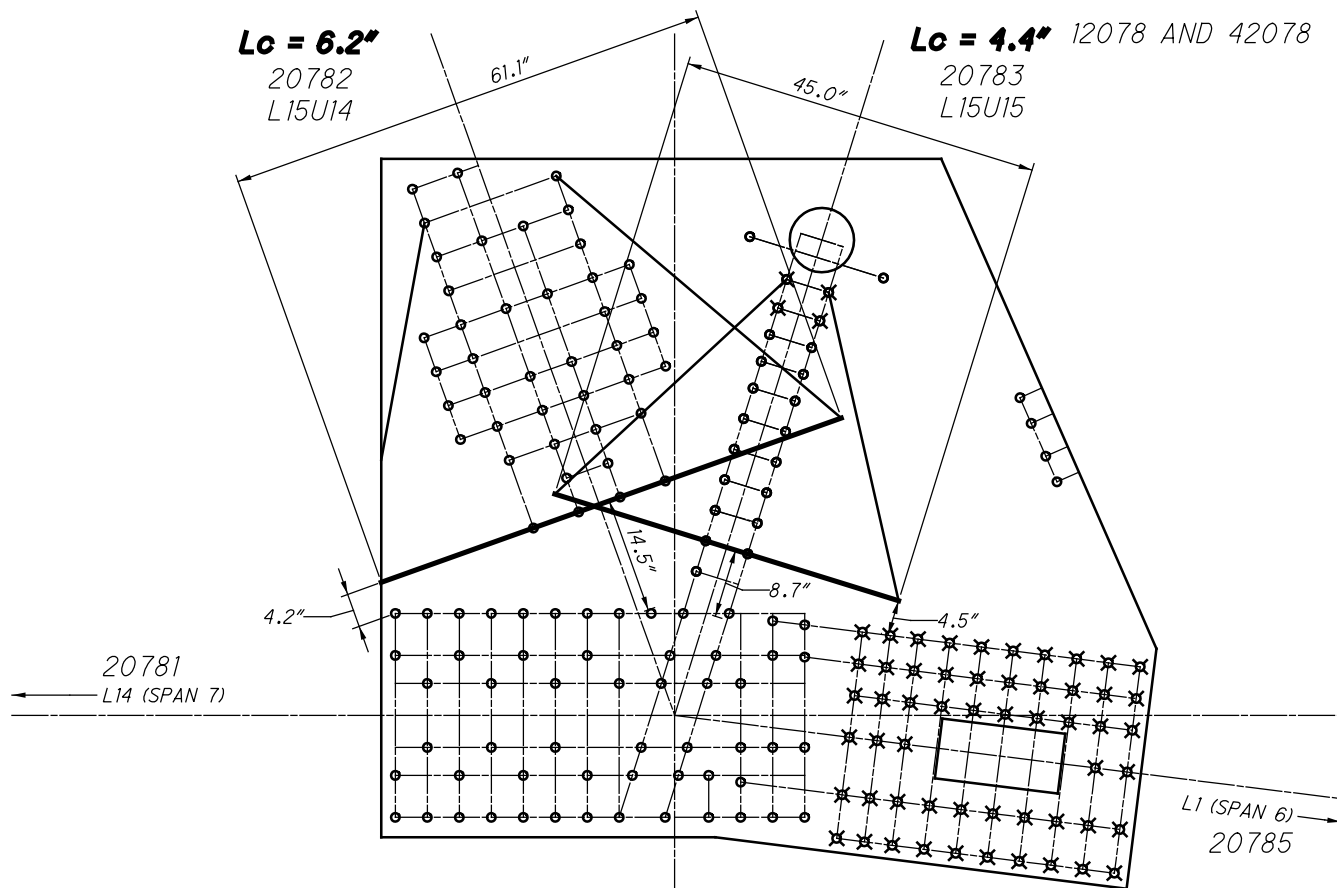


**L77 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

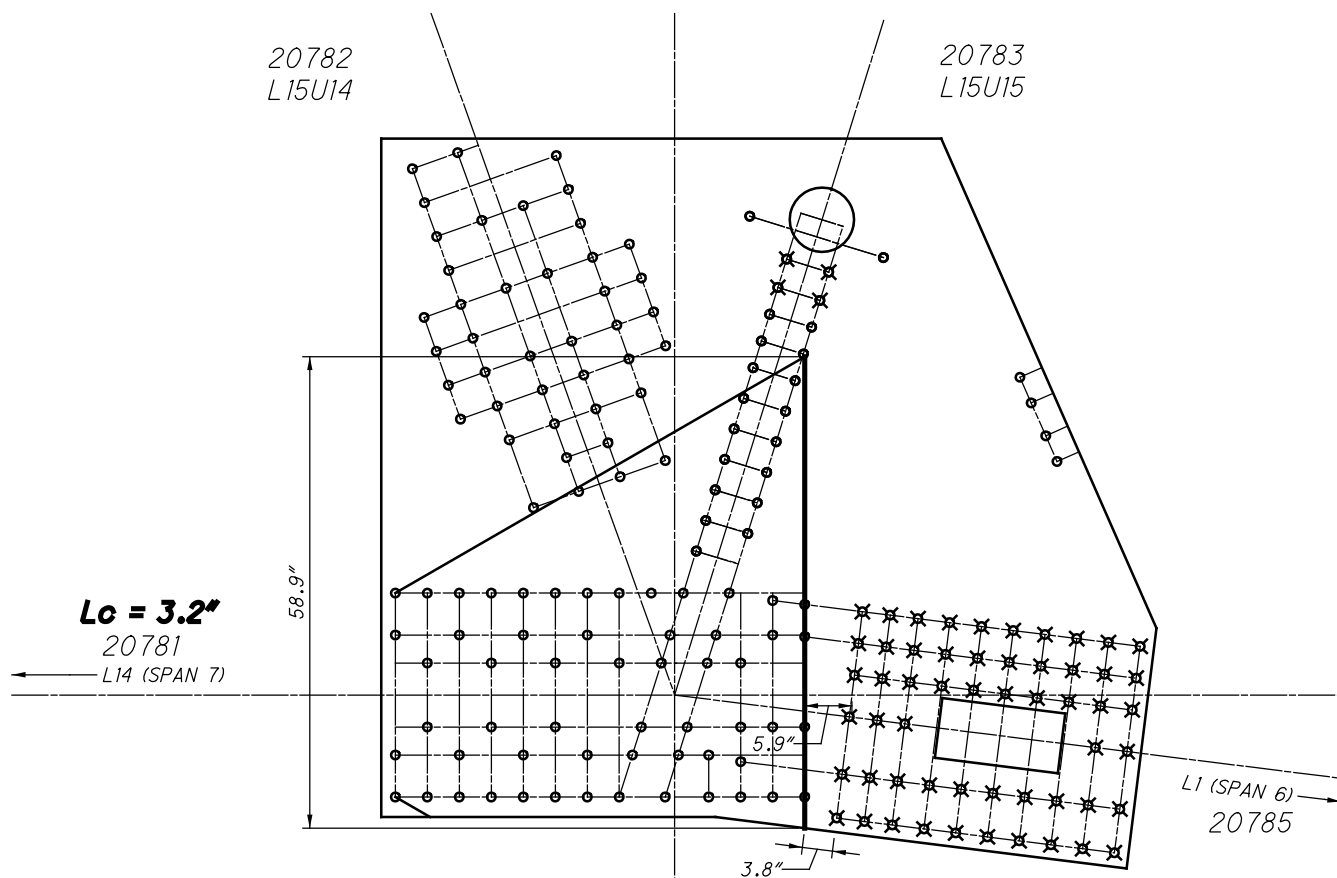




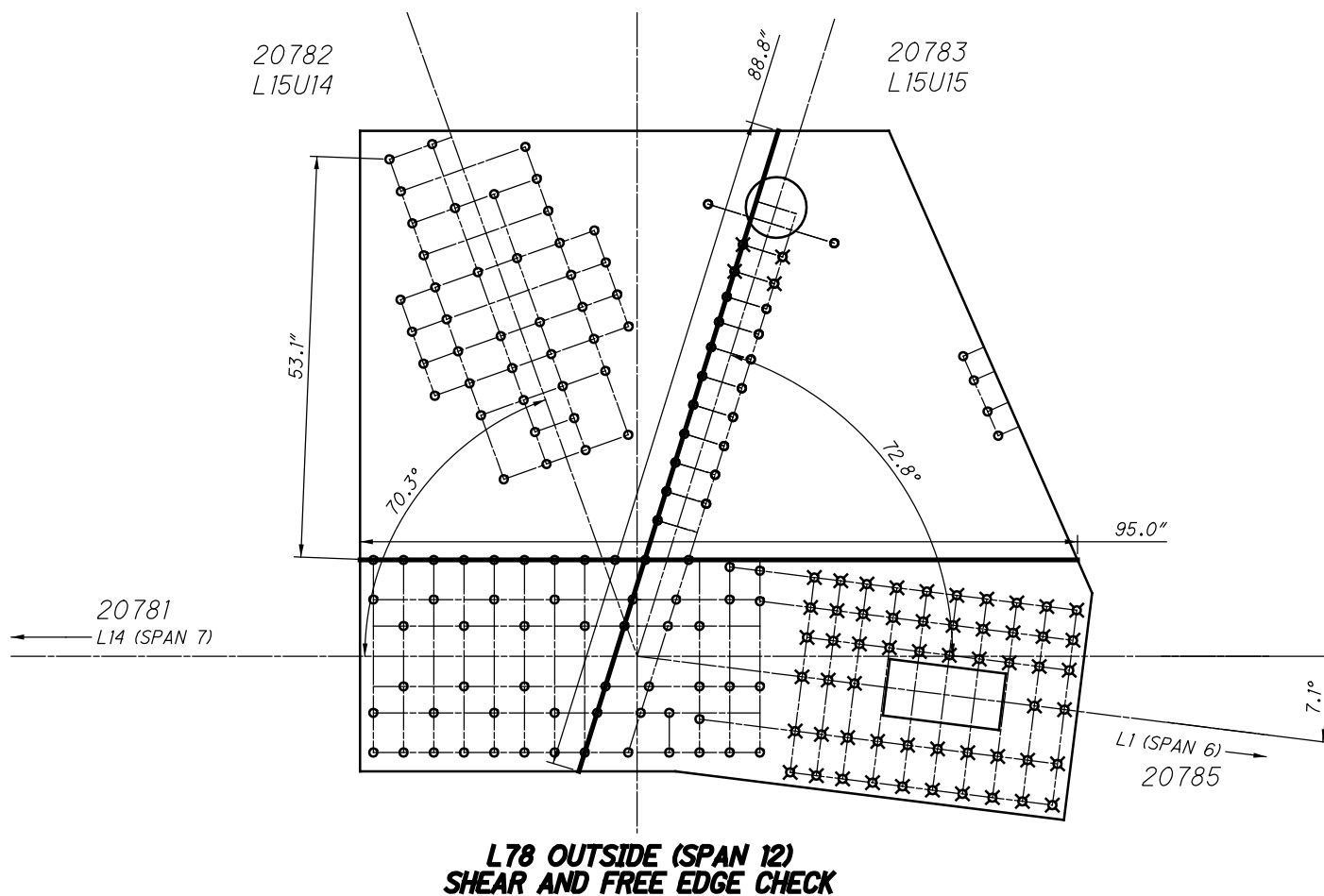
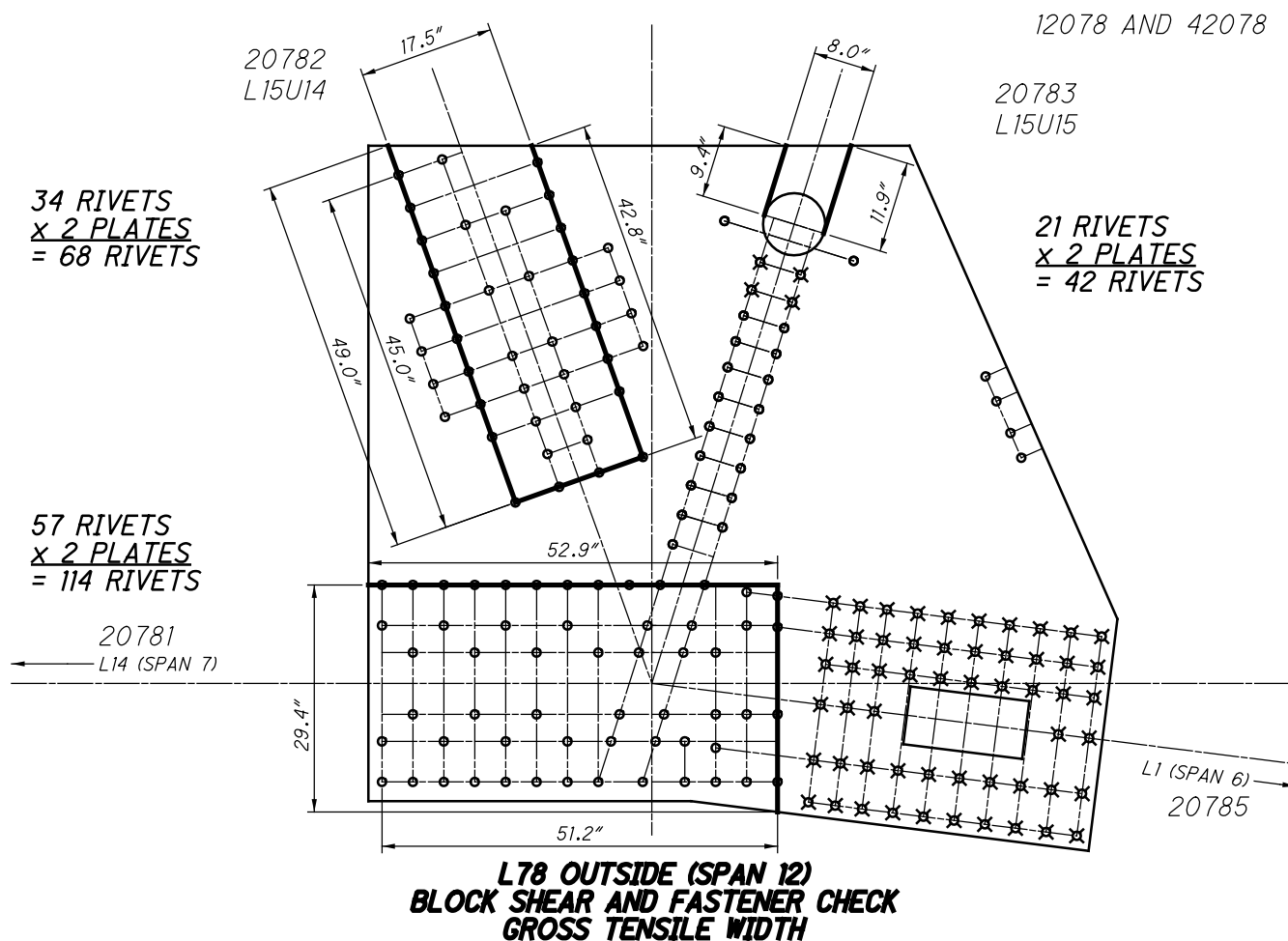
**L77 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



**L78 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L78 OUTSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



12078 AND 42078

20782
L15U14

20783
L15U15

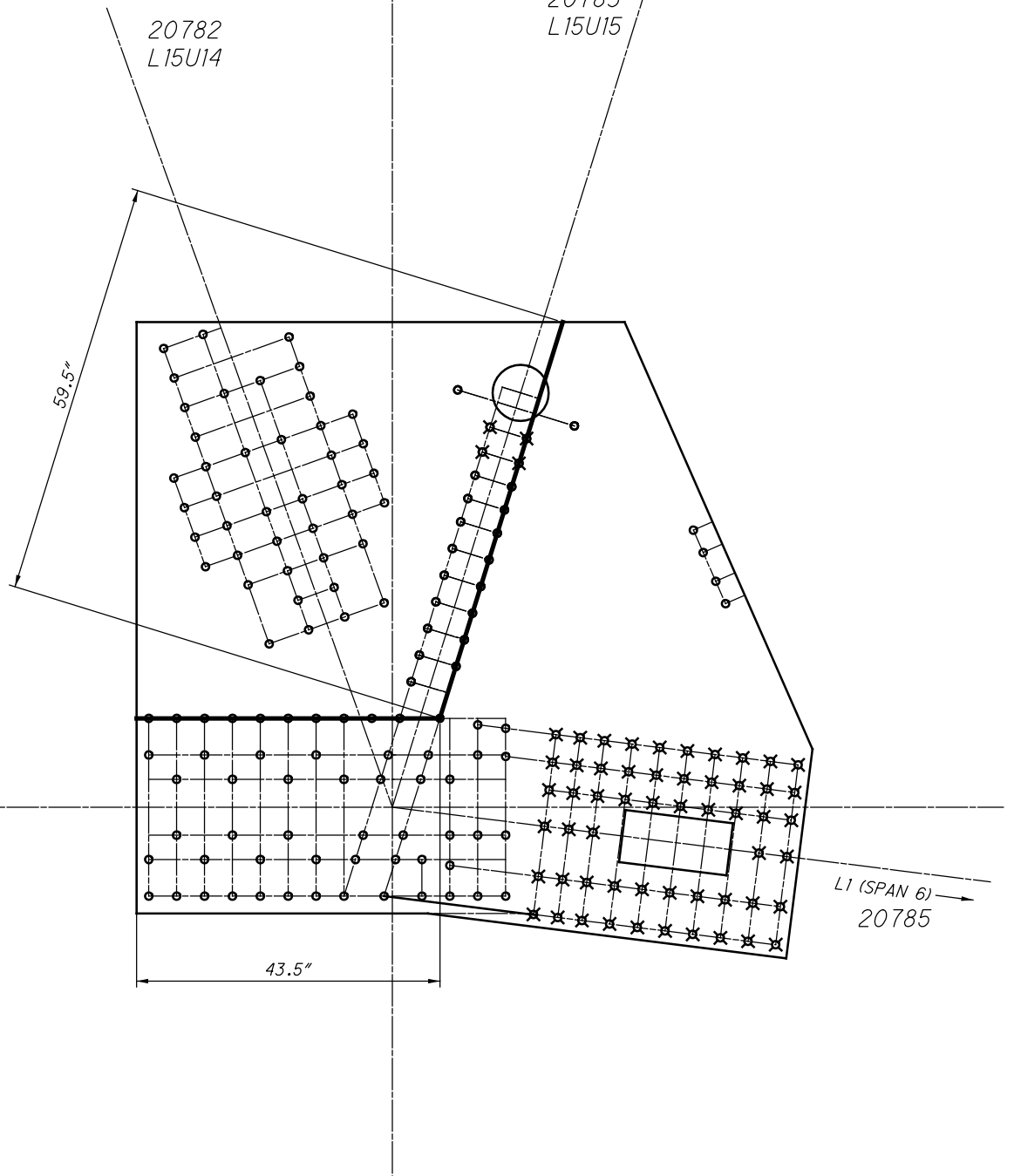
59.5"

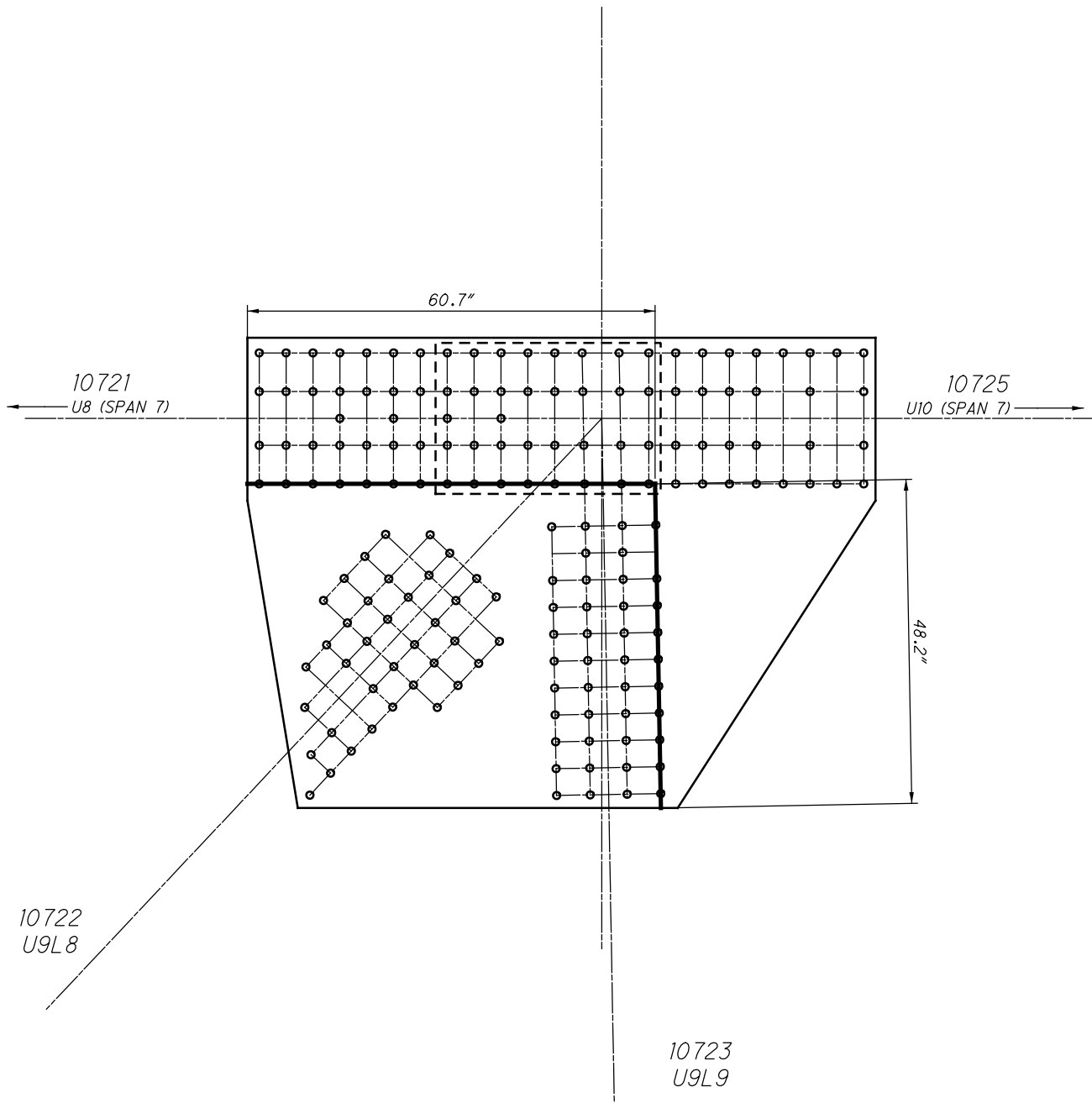
20781
L14 (SPAN 7)

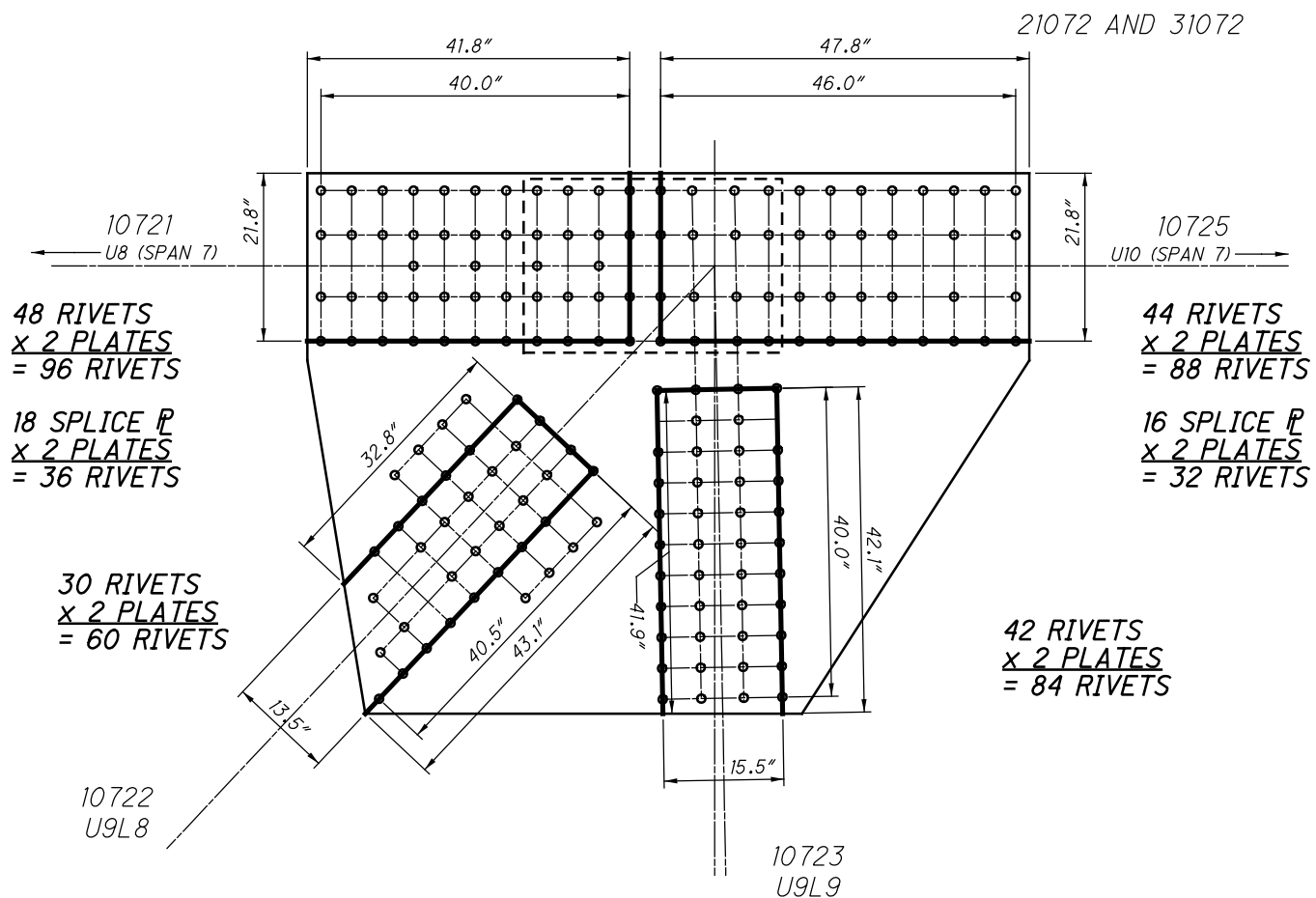
43.5"

L1 (SPAN 6) →
20785

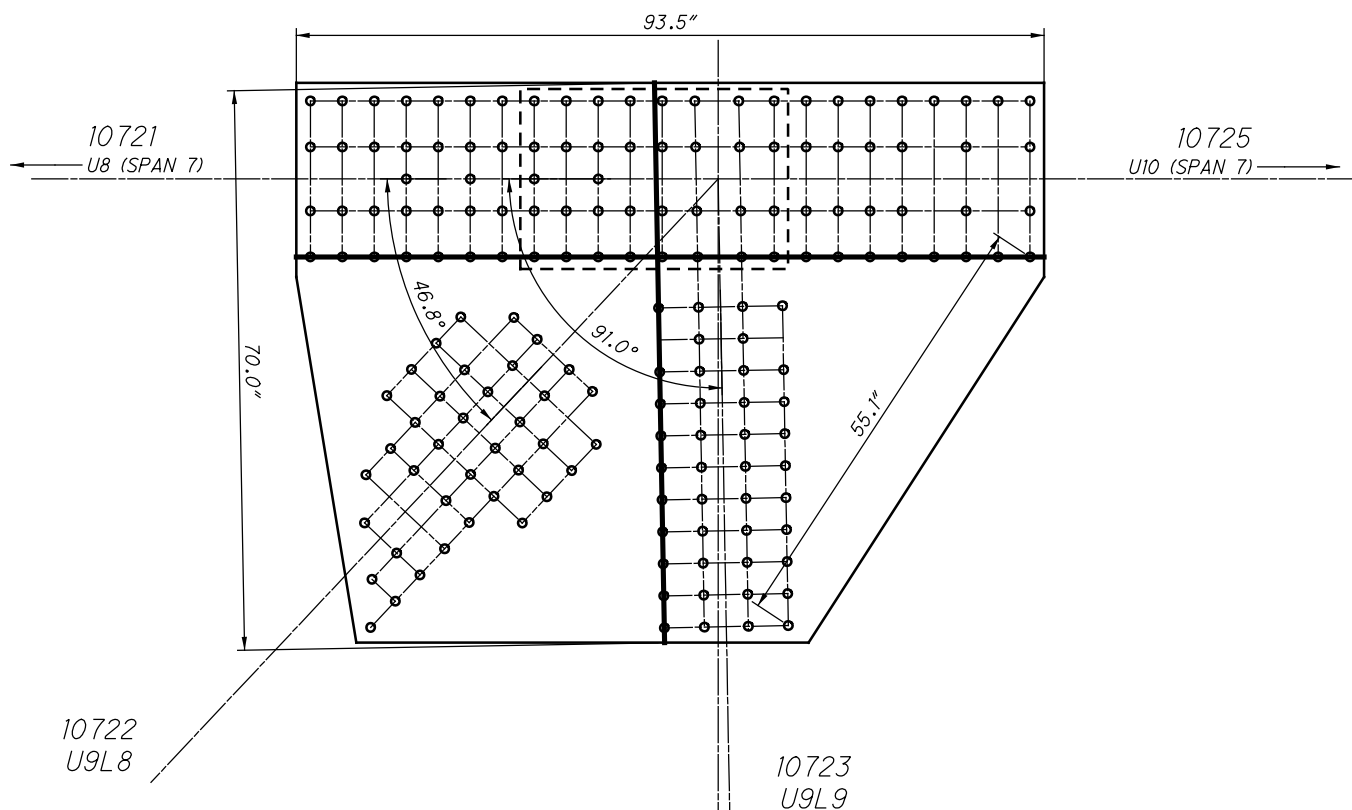
**L78 OUTSIDE (SPAN 12)
QUADRANT DIMENSIONS**



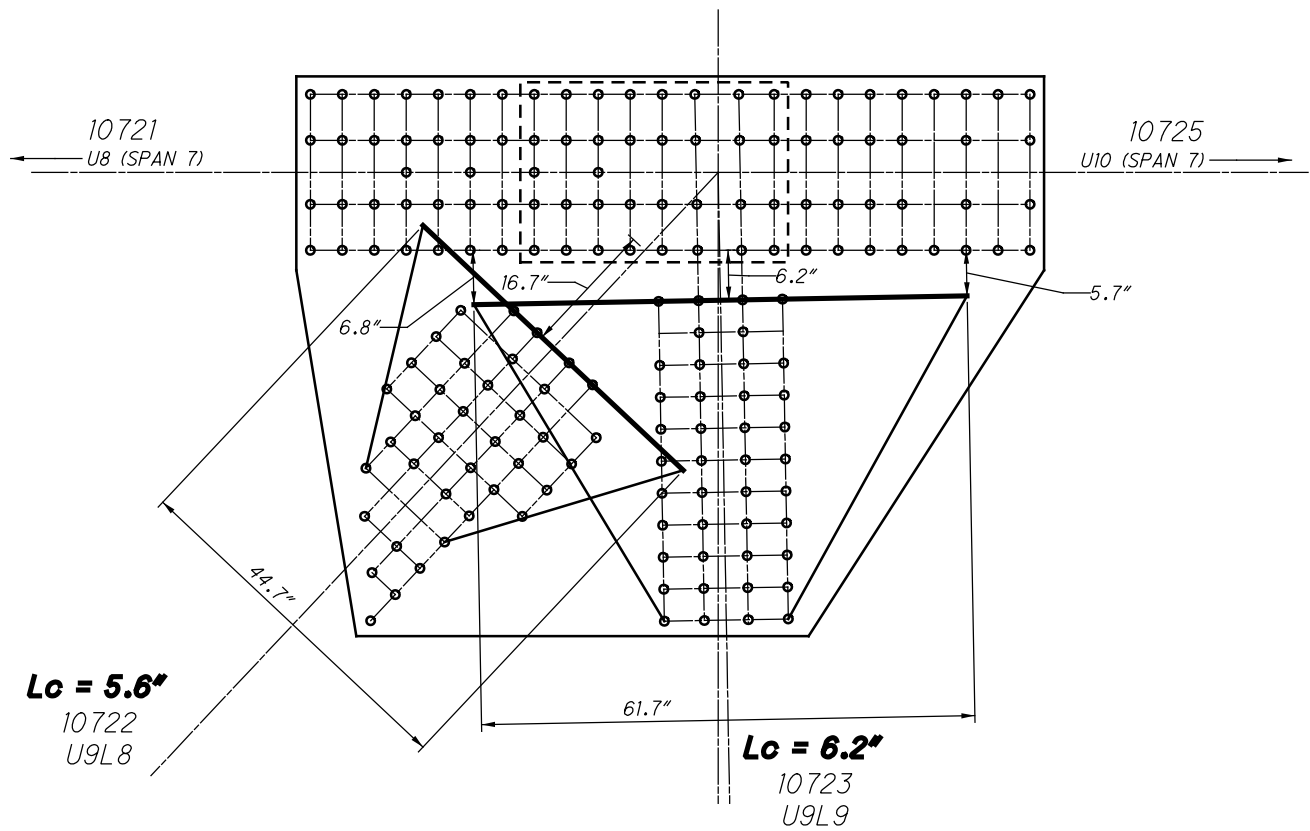




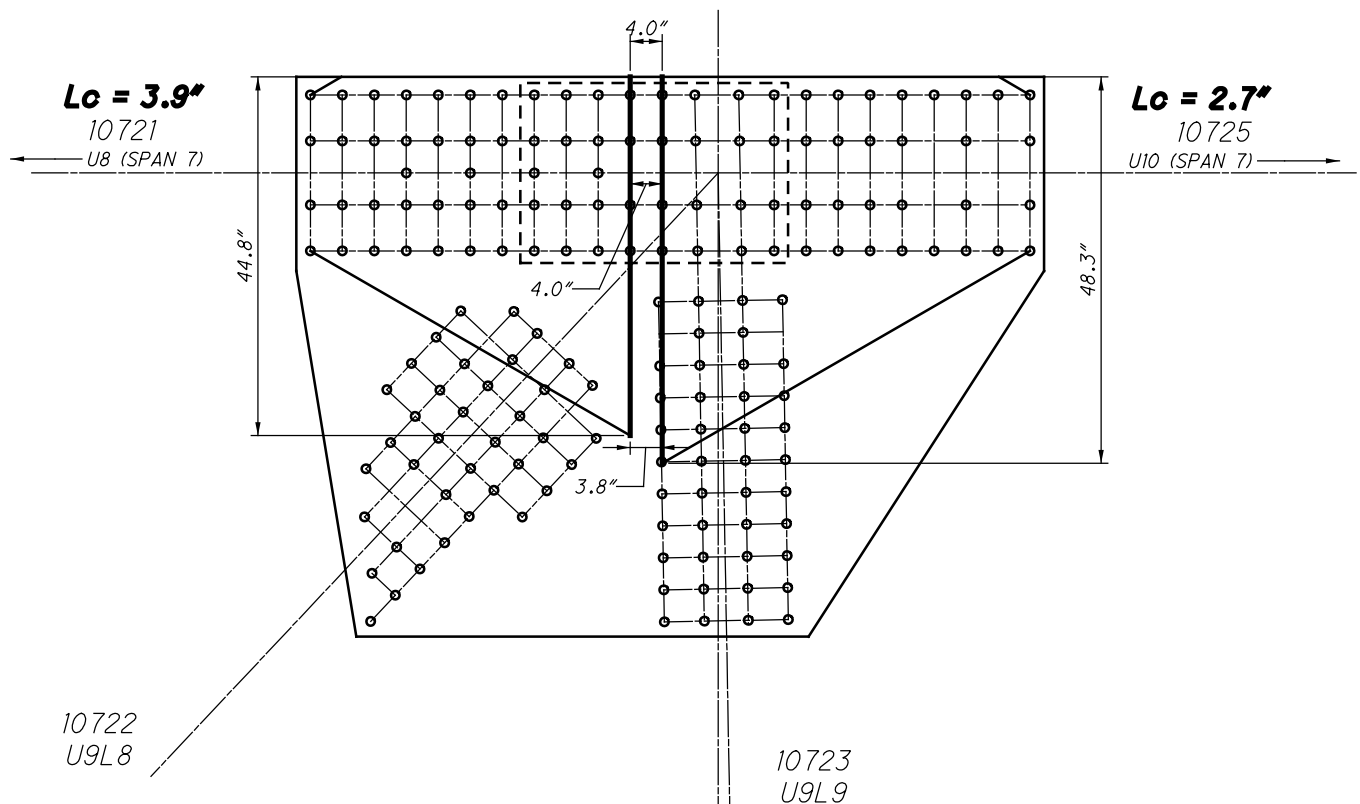
**U72 INSIDE (SPAN 12)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



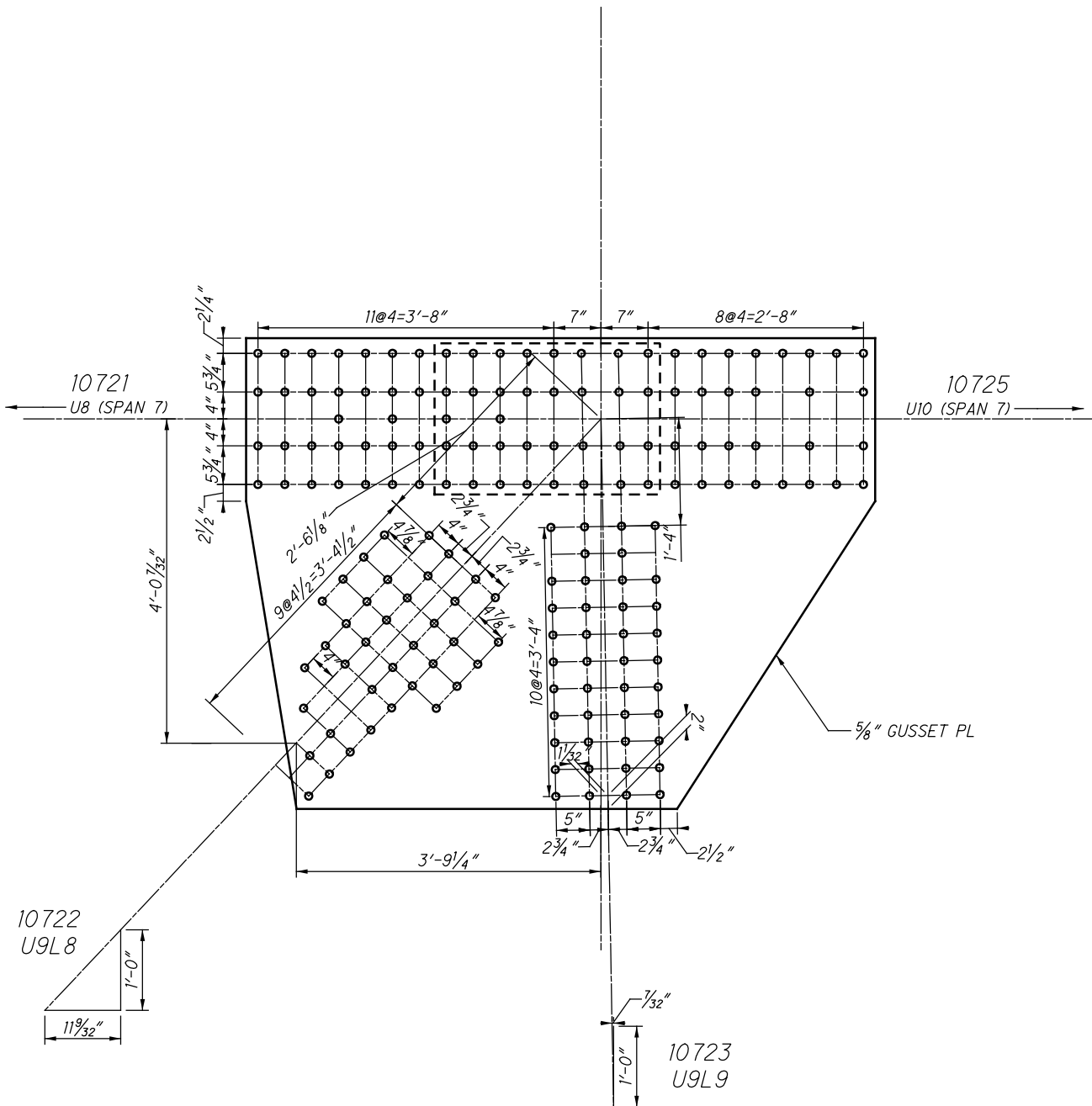
**U72 INSIDE (SPAN 12)
SHEAR AND FREE EDGE CHECK**



**U2 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U2 INSIDE (SPAN 12)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



U72 INSIDE (SPAN 12)

**SPAN 13 GUSSET PLATES
LORAIN CARNEGIE**

CHECKED: ____

DATE: _____

LEGEND

- $1 \frac{1}{16}$ " HOLES TYPICAL
- $1 \frac{3}{16}$ " HOLES TYPICAL

NOTES:

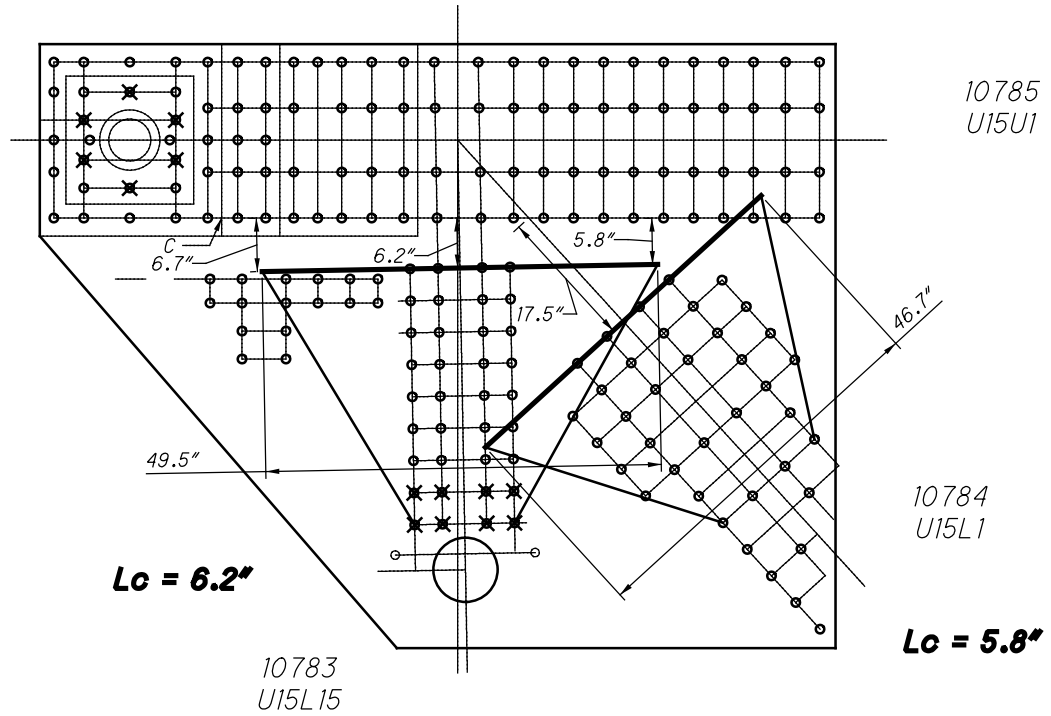
ALL EDGE DISTANCES ARE $1 \frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

ALL GUSSET PLATES ARE COPPER
BEARING, SILICON STEEL



10781
U14U15

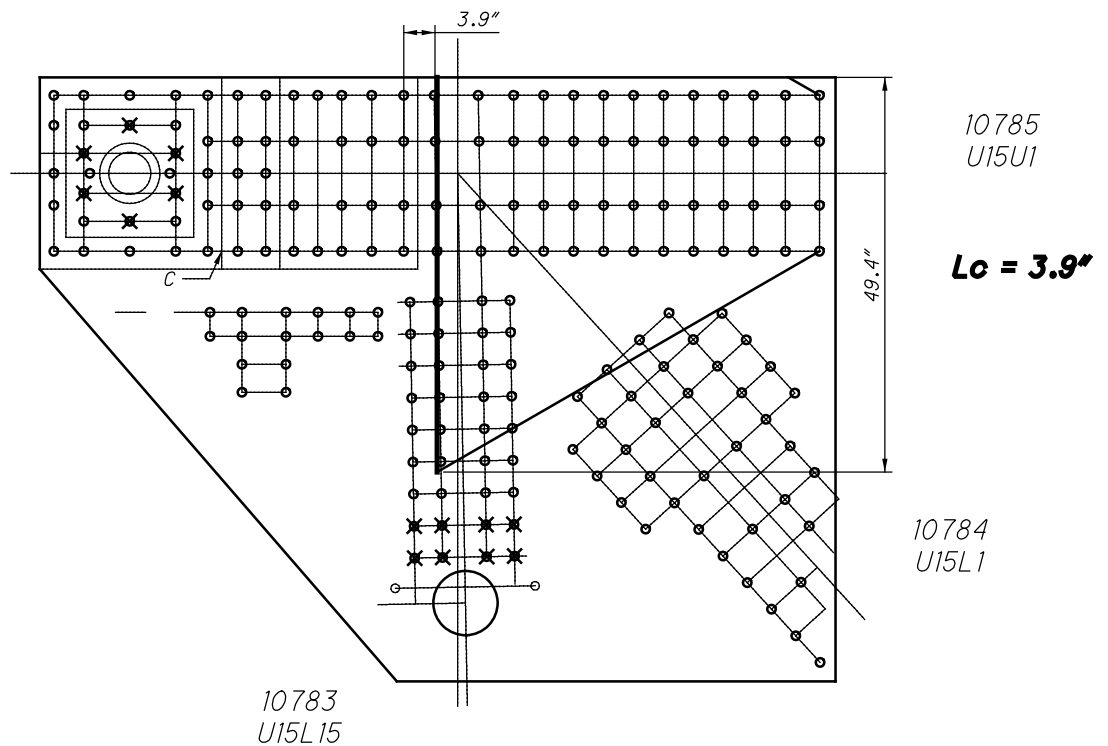
10785
U15U1



**U78 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10781
U14U15

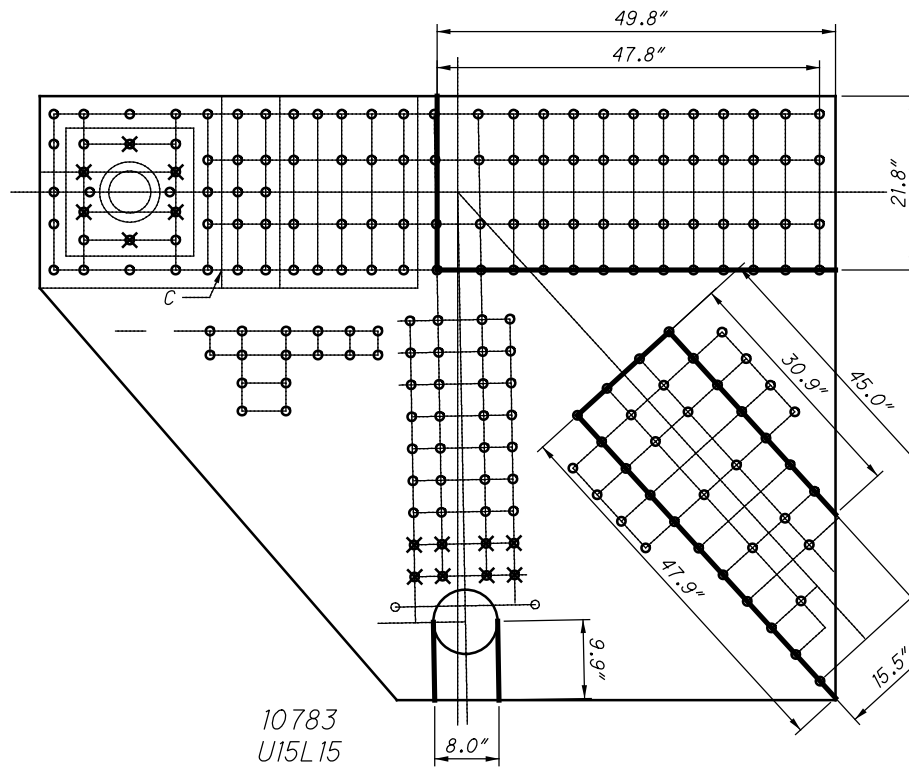
10785
U15U1



**U78 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11078 AND 41078

10781
U14U15



52 RIVETS
x 2 PLATES
=104 RIVETS

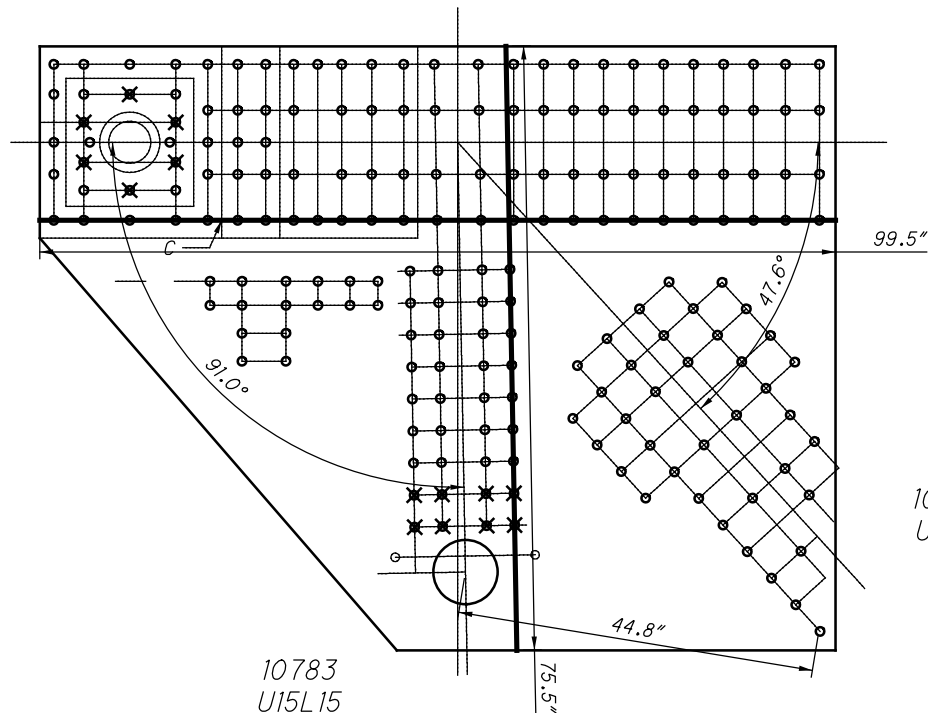
10785
U15U1

10784
U15L1

30 RIVETS
x 2 PLATES
=60 RIVETS

**U78 OUTSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10781
U14U15



10785
U15U1

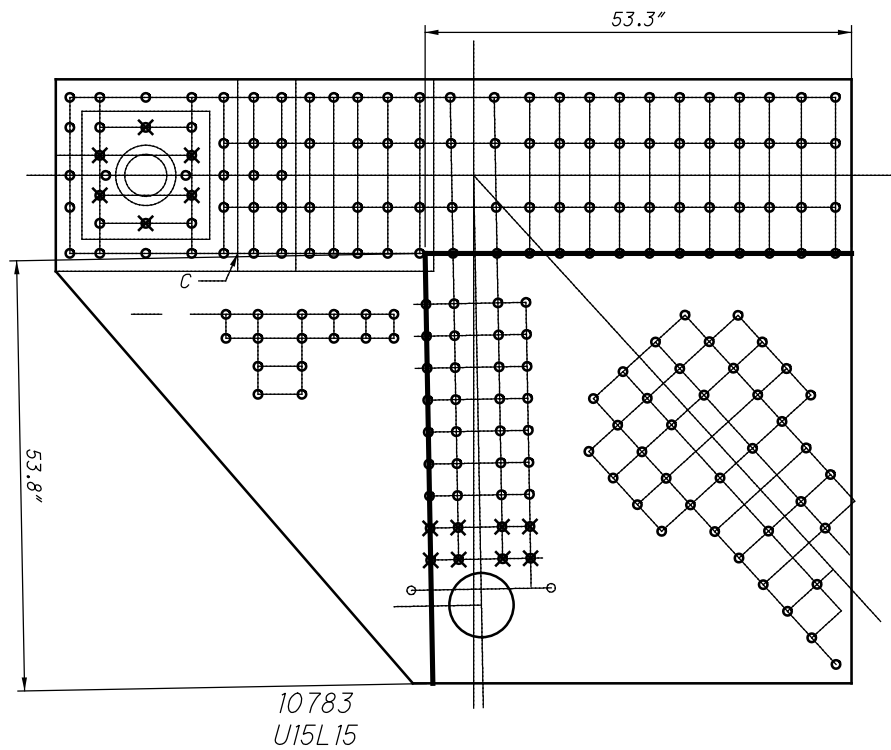
10784
U15L1

10783
U15L15

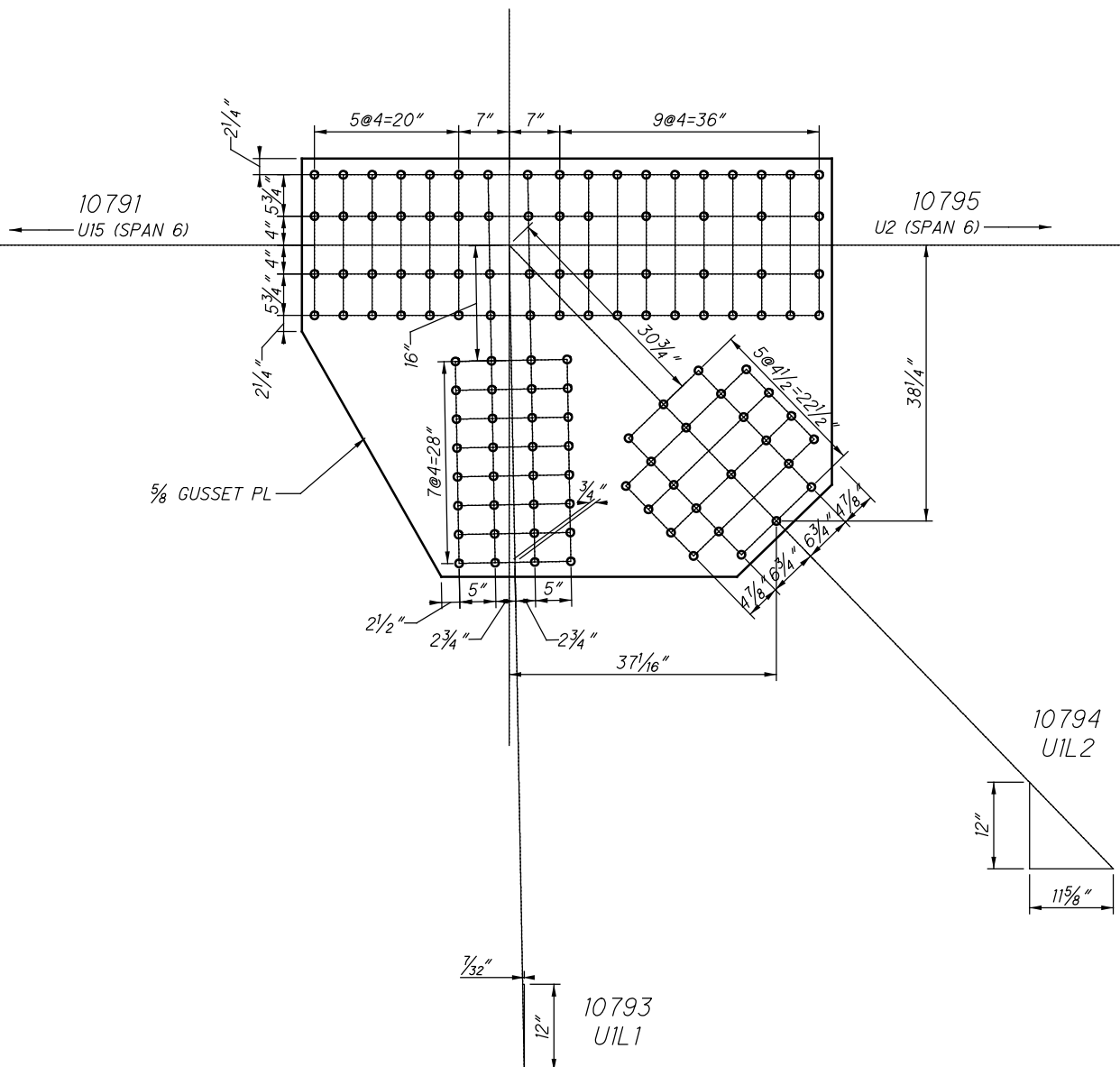
**U78 OUTSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

10781
U14U15

10785
U15U1



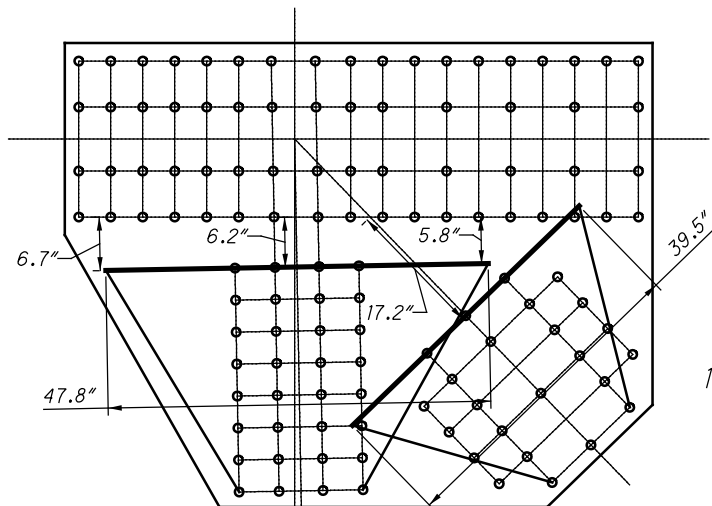
**U78 OUTSIDE (SPAN 13)
QUADRANT DIMENSIONS**



**U79 OUTSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**

10791
U15U1

10795
U1U2



10793
U1L1

10794
U1L2

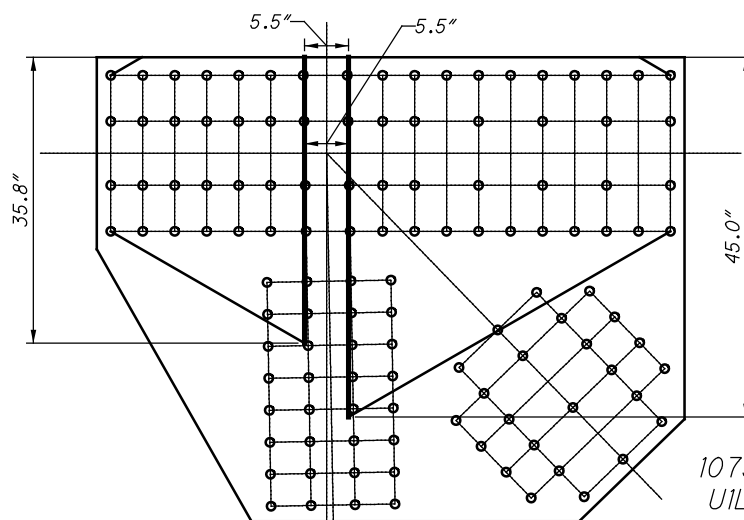
$L_c = 5.7"$

$L_c = 6.2"$

**U79 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10791
U15U1

10795
U1U2



10793
U1L1

10794
U1L2

$L_c = 3.7"$

$L_c = 3.7"$

**U79 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

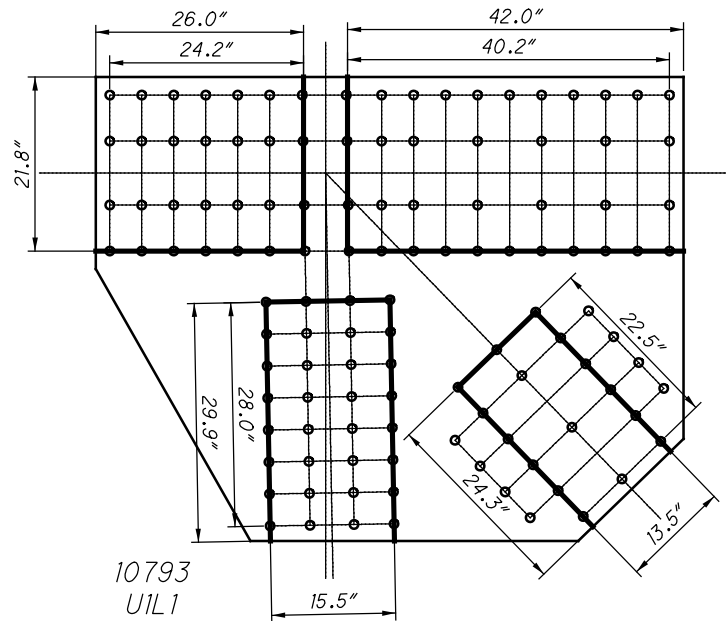
11079 AND 41079

28 RIVETS
x 2 PLATES
=56 RIVETS

36 RIVETS
x 2 PLATES
=72 RIVETS

10791
U15U1

10795
U1U2



10794
U1L2

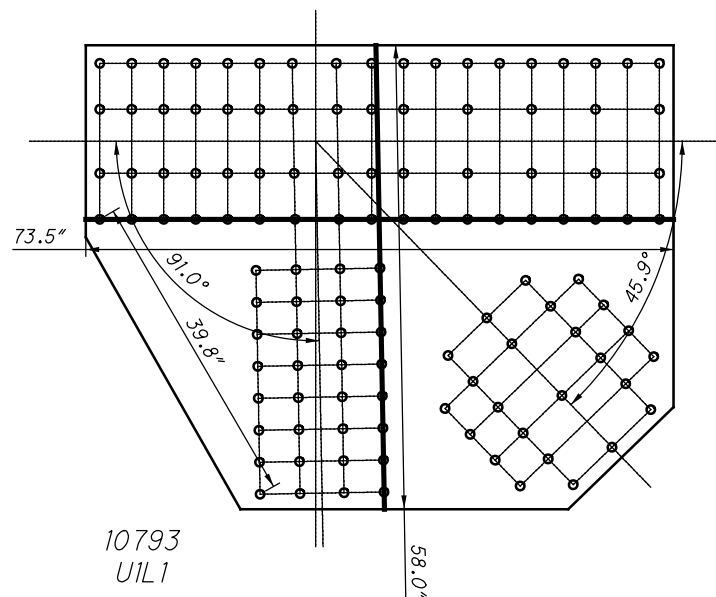
16 RIVETS
x 2 PLATES
=32 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

**U79 OUTSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10791
U15U1

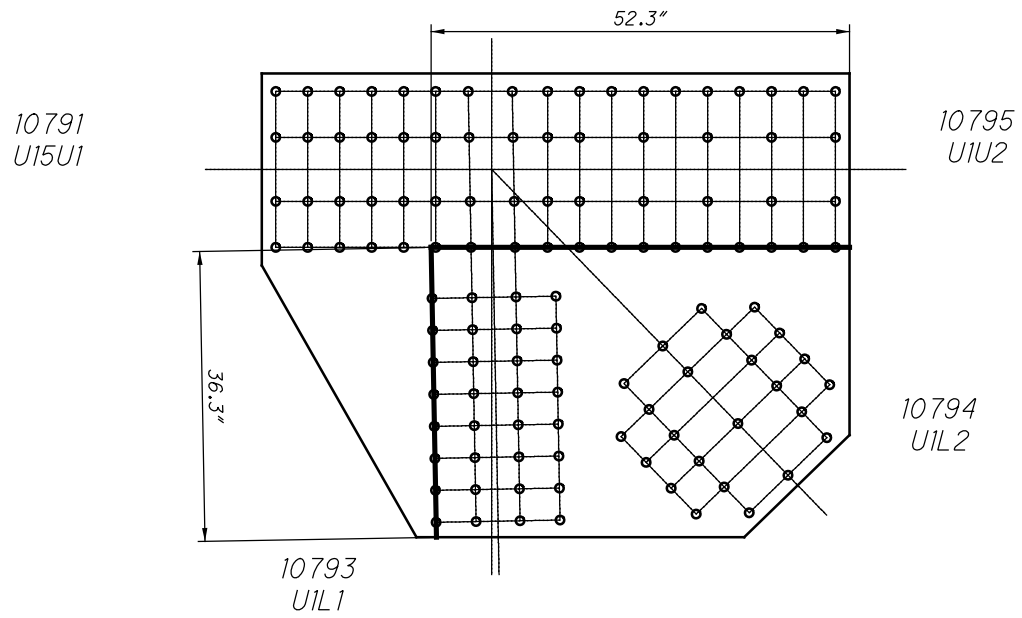
10795
U1U2



10794
U1L2

10793
U1L1

**U79 OUTSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

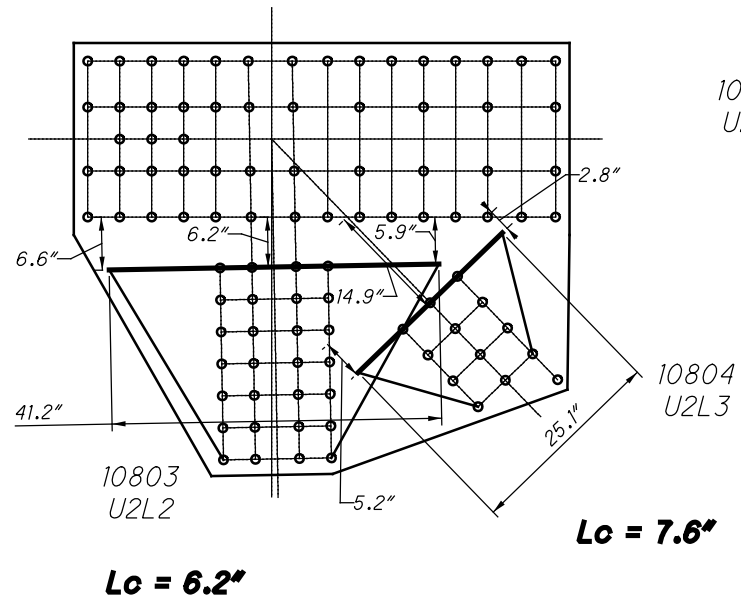


**U79 OUTSIDE (SPAN 13)
QUADRANT DIMENSIONS**

**U80 OUTSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**

10801
U1U2

10805
U2U3

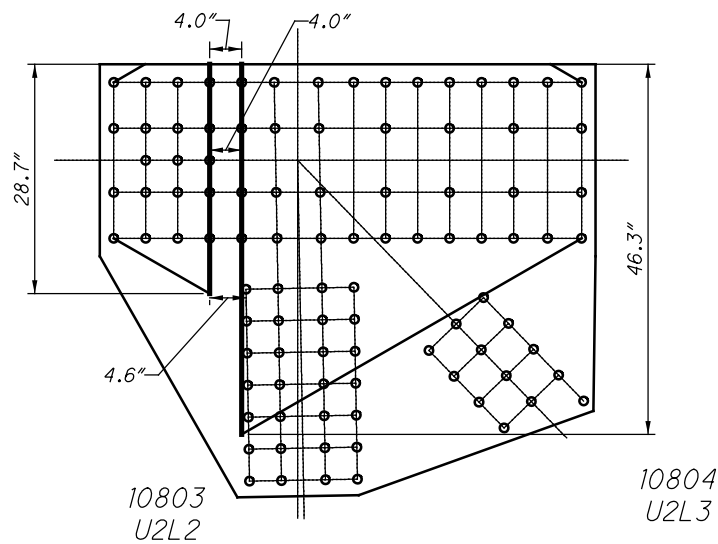


**U80 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10801
U1U2

10805
U2U3

$L_c = 4.2"$



$L_c = 2.7"$

**U80 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

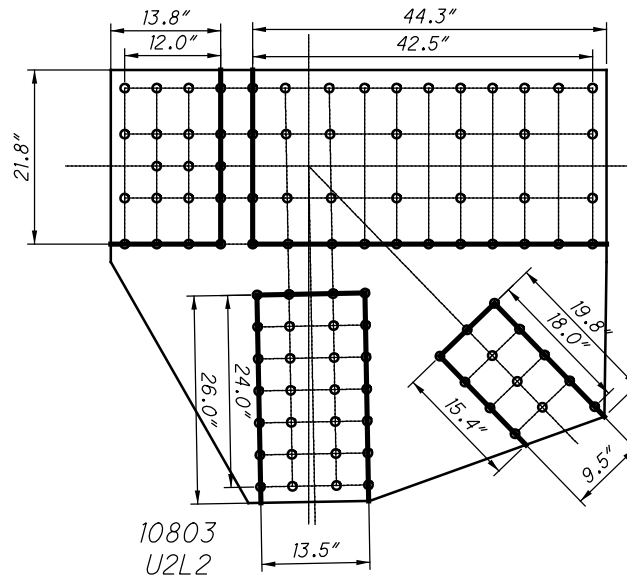
19 RIVETS
x 2 PLATES
=38 RIVETS

10801
U1U2

11080 AND 41080

36 RIVETS
x 2 PLATES
=72 RIVETS

10805
U2U3



10804
U2L3

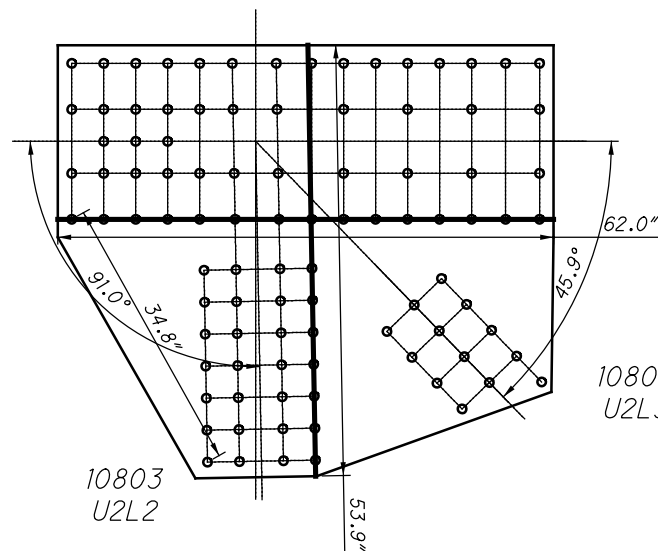
13 RIVETS
x 2 PLATES
=26 RIVETS

28 RIVETS
x 2 PLATES
=56 RIVETS

**U80 OUTSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10801
U1U2

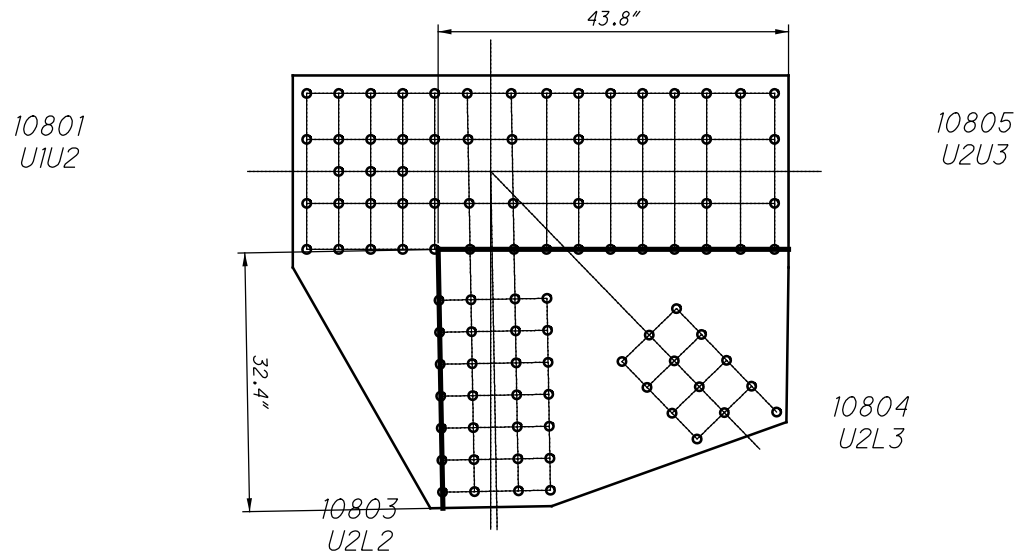
10805
U2U3



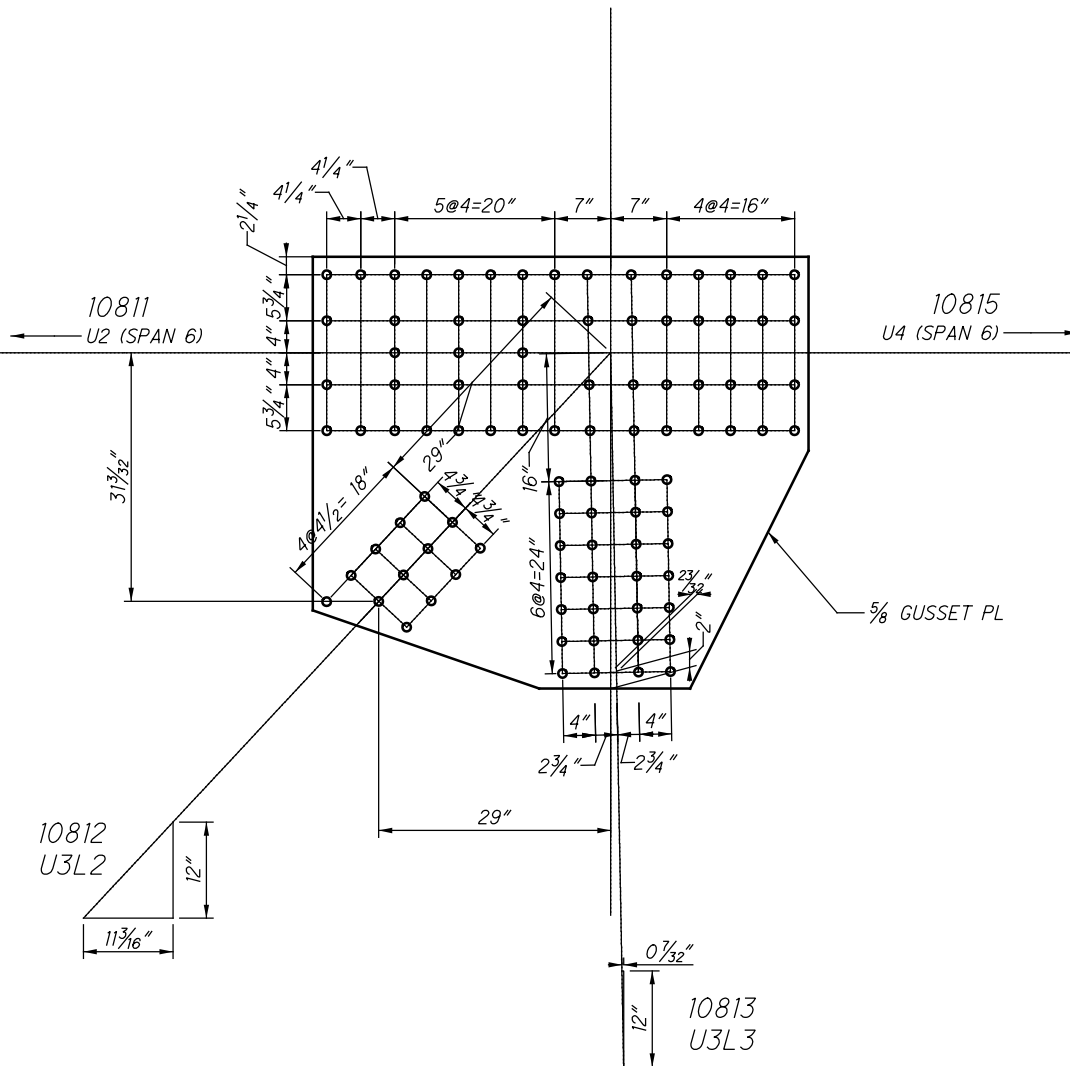
10804
U2L3

10803
U2L2

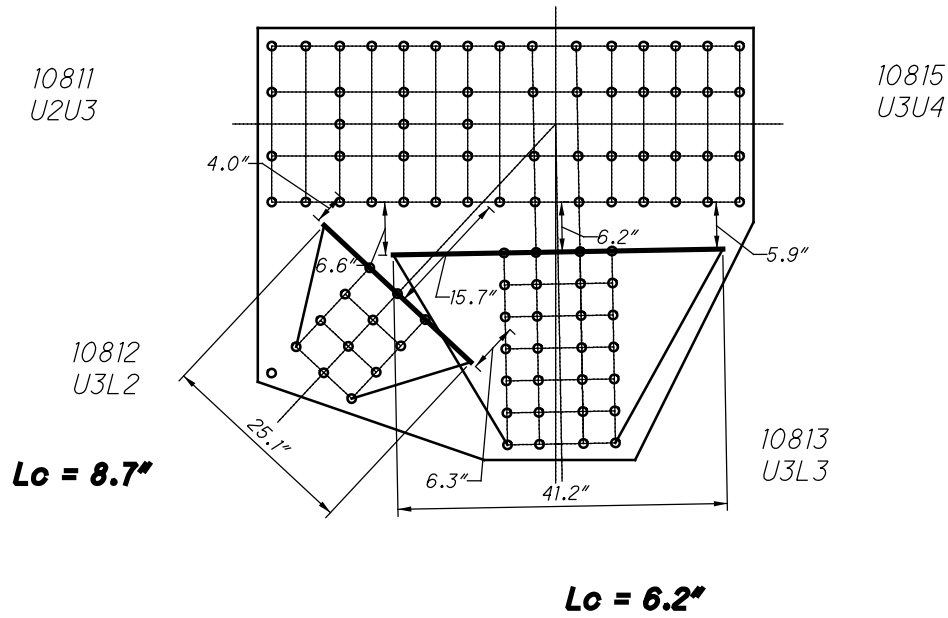
**U80 OUTSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**



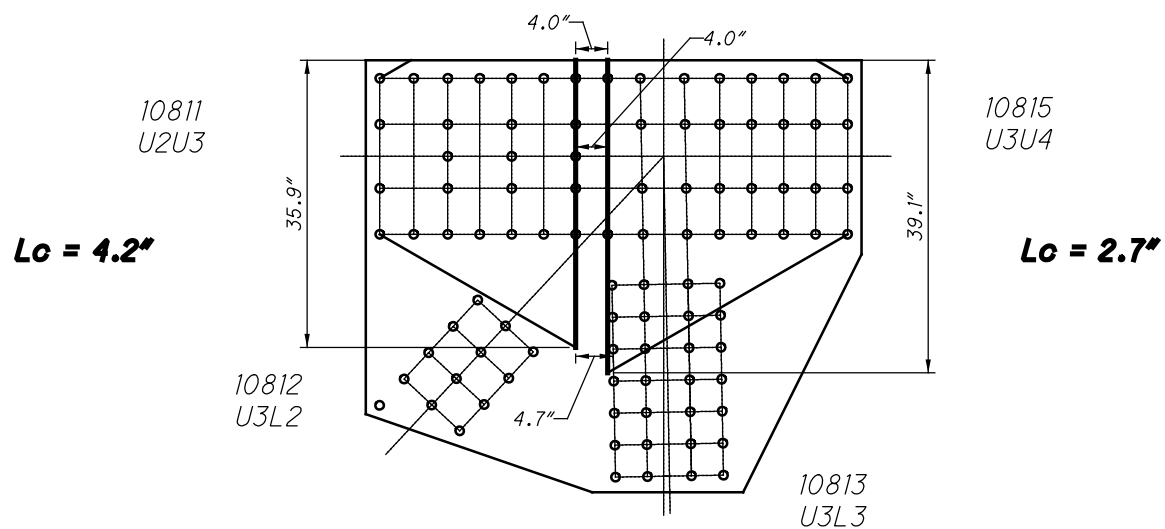
**U80 OUTSIDE (SPAN 13)
QUADRANT DIMENSIONS**



**U81 OUTSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**



**U81 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U81 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

25 RIVETS
x 2 PLATES
=50 RIVETS

10811
U2U3

30 RIVETS
x 2 PLATES
=60 RIVETS

10815
U3U4

10812
U3L2

13 RIVETS
x 2 PLATES
=26 RIVETS

10813
U3L3

28 RIVETS
x 2 PLATES
=56 RIVETS

**U81 OUTSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

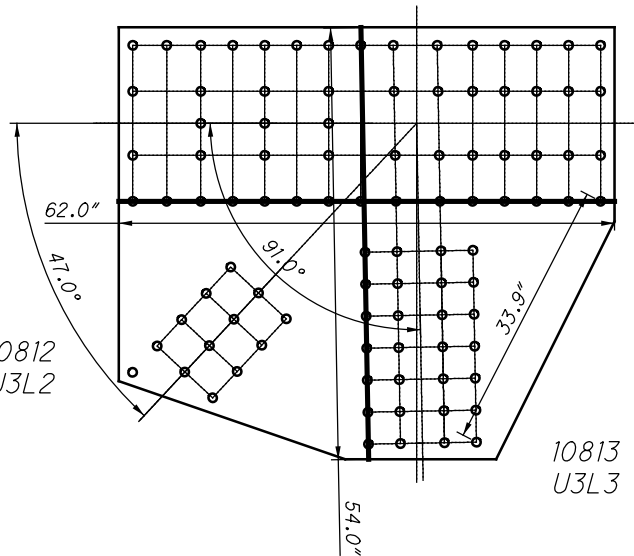
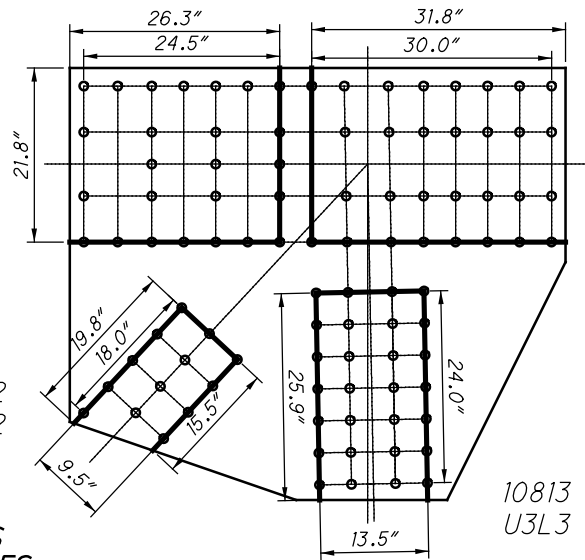
10811
U2U3

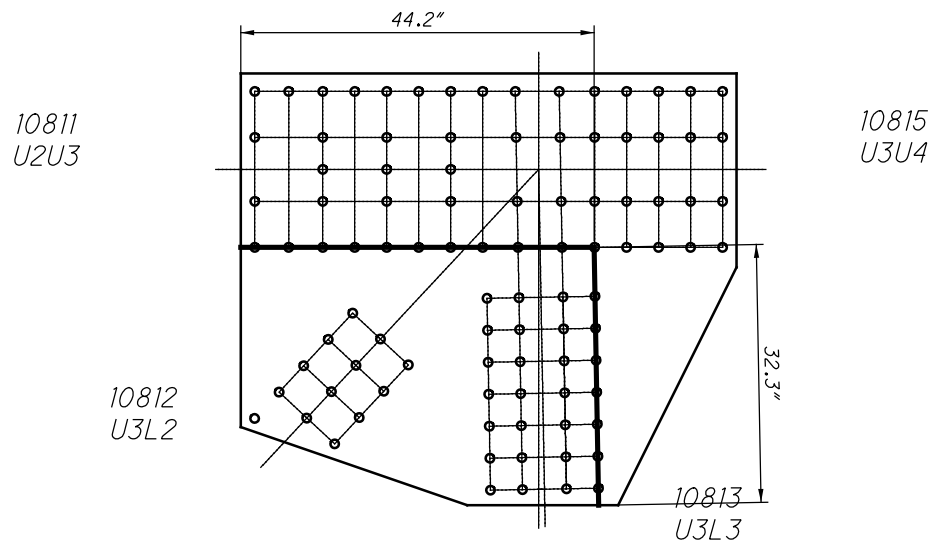
10815
U3U4

10812
U3L2

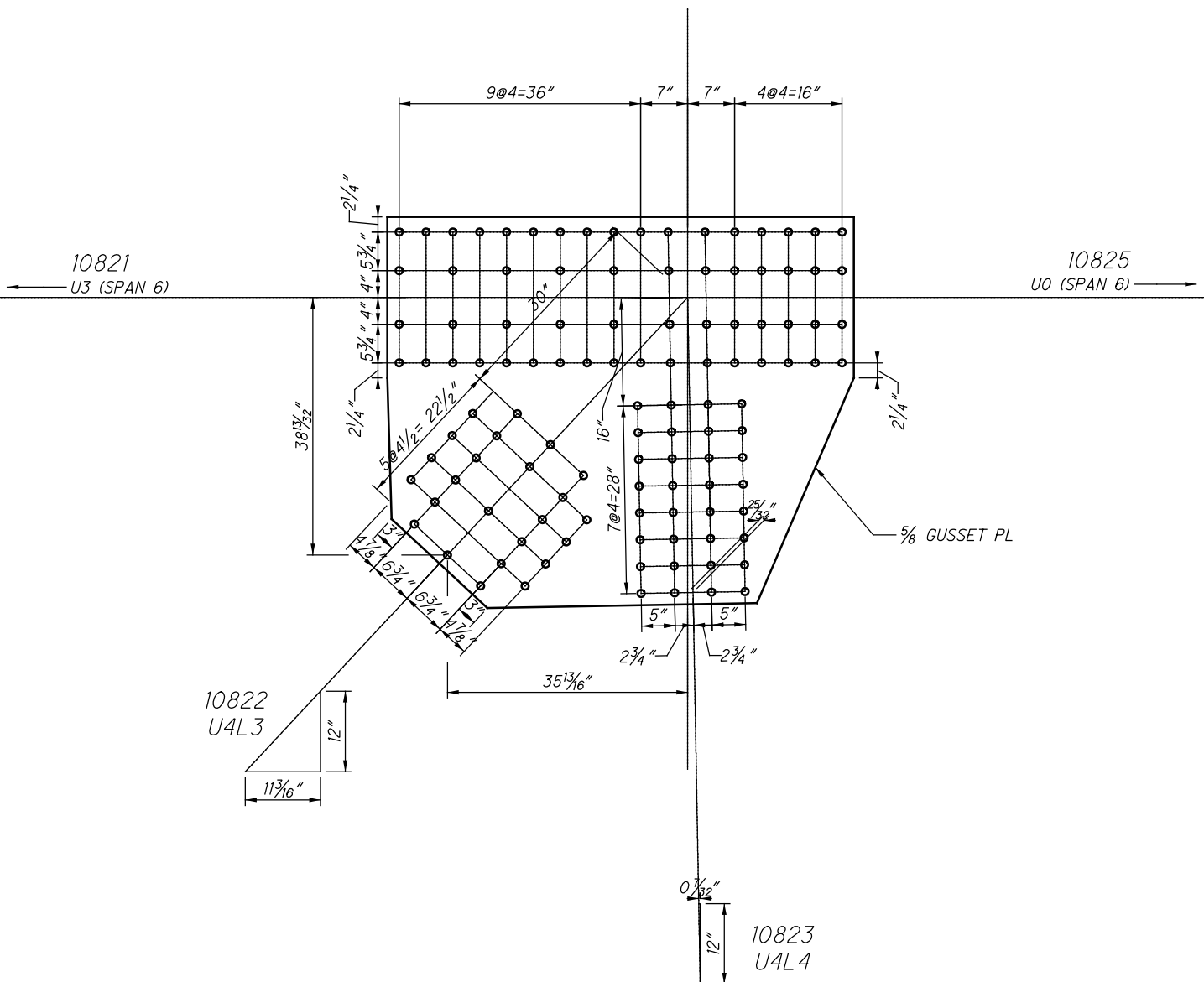
10813
U3L3

**U81 OUTSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**





**U81 OUTSIDE (SPAN 13)
QUADRANT DIMENSIONS**



**U82 OUTSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**

10821
U3U4

10825
U4U0

10822
U4L3

10823
U4L4

$L_c = 5.6''$

$L_c = 6.2''$

**U82 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10821
U3U4

10825
U4U0

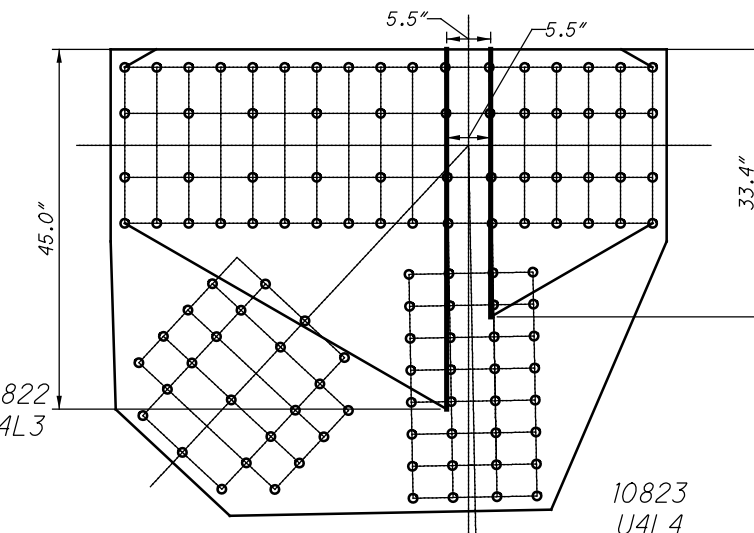
$L_c = 3.7''$

$L_c = 3.7''$

10822
U4L3

10823
U4L4

**U82 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



34 RIVETS
x 2 PLATES
=68 RIVETS

10821
U3U4

11082 AND 41082

24 RIVETS
x 2 PLATES
=48 RIVETS

10825
U4U0

10822
U4L3

16 RIVETS
x 2 PLATES
=32 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

**U82 OUTSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

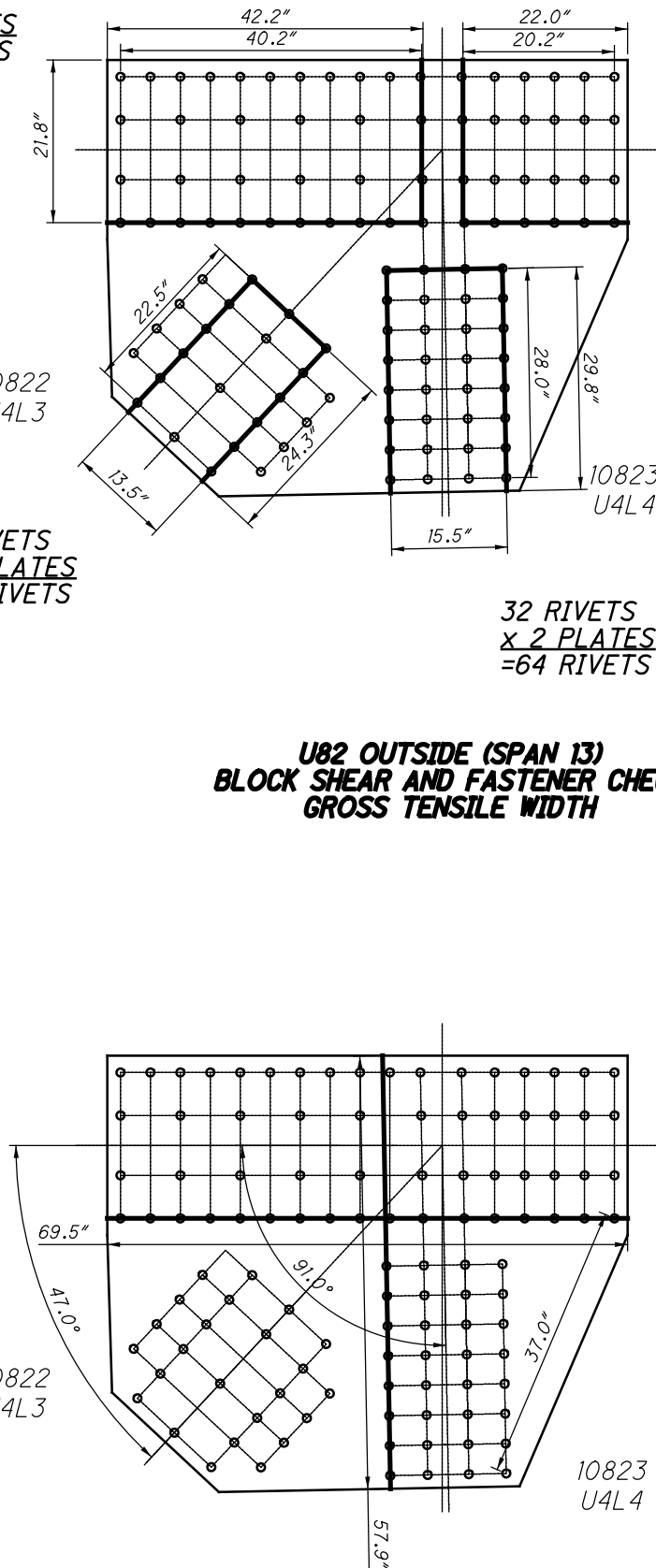
10821
U3U4

10825
U4U0

10822
U4L3

10823
U4L4

**U82 OUTSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

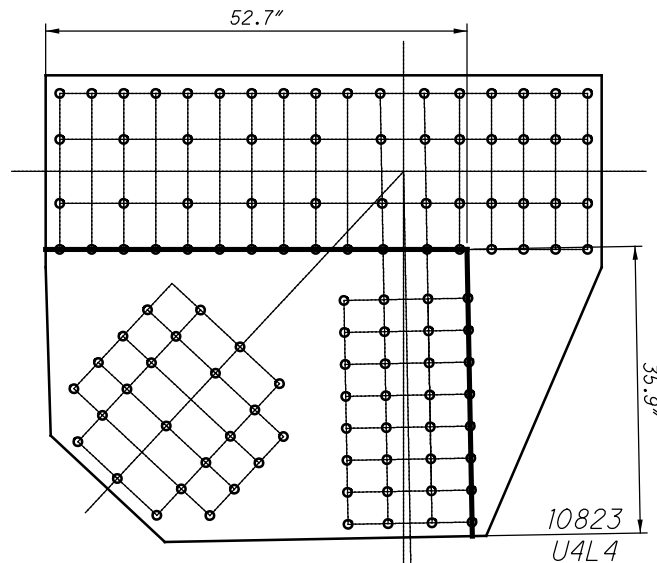


10821
U3U4

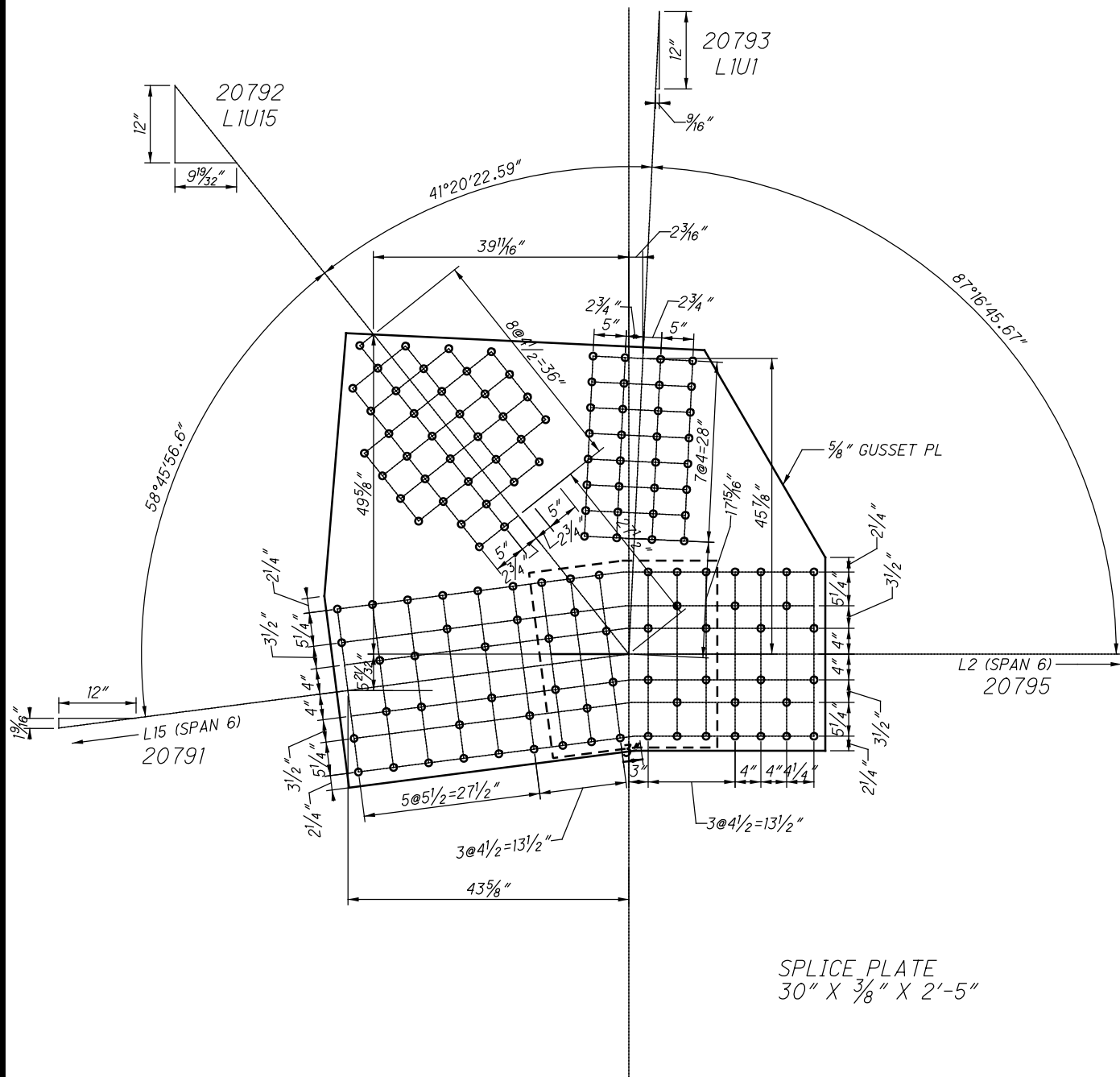
10825
U4U0

10822
U4L3

10823
U4L4



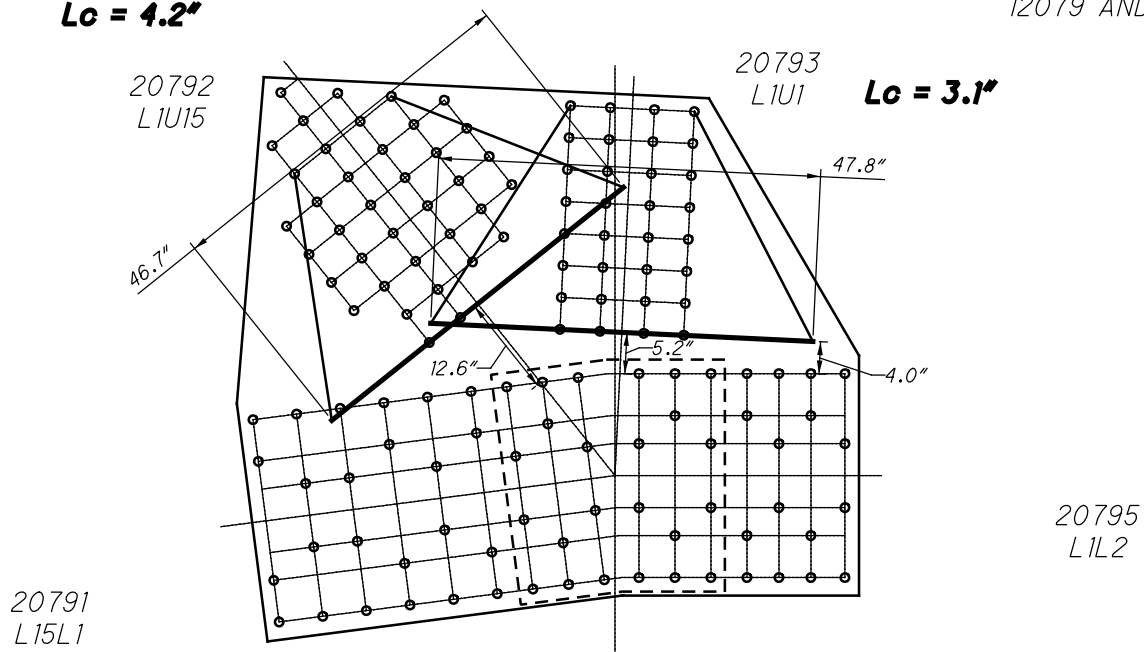
**U82 OUTSIDE (SPAN 13)
QUADRANT DIMENSIONS**



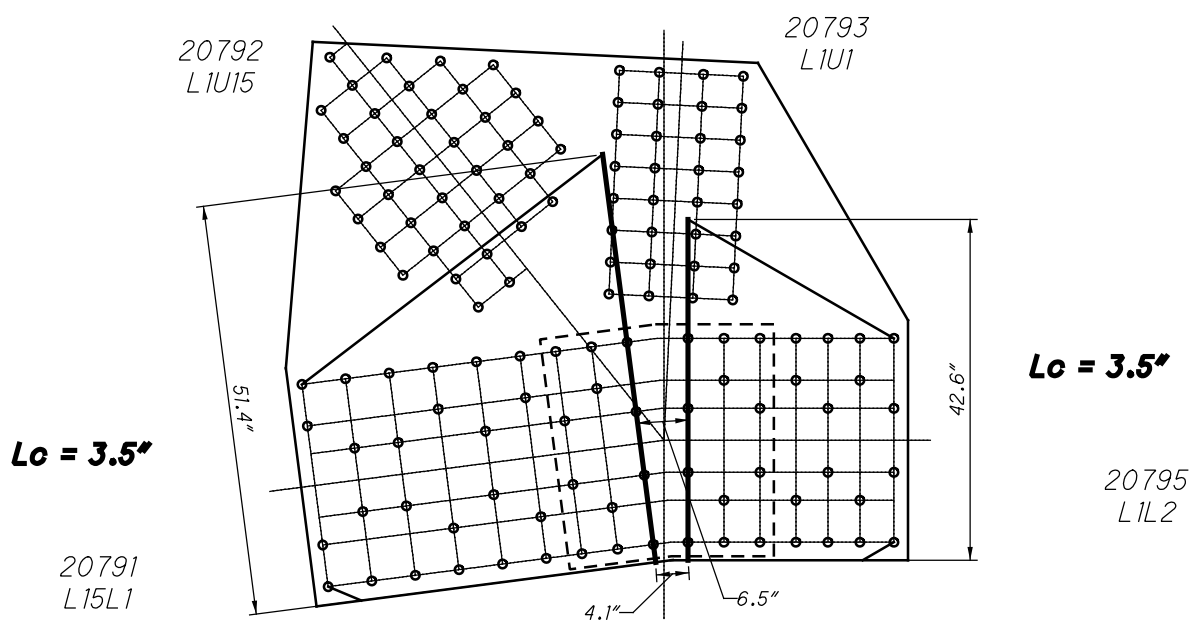
**L79 OUTSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**

$L_c = 4.2''$

12079 AND 42079



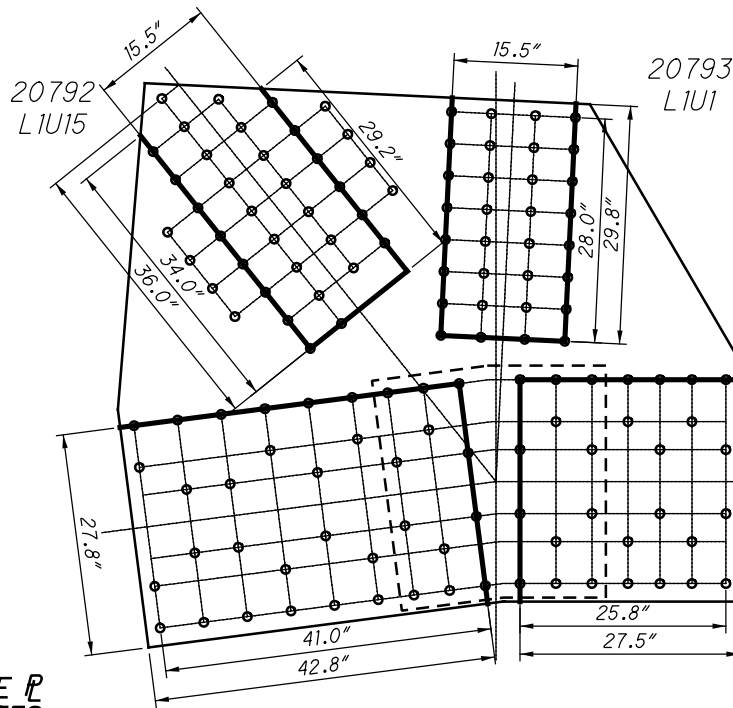
**L79 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L79 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

30 RIVETS
x 2 PLATES
=60 RIVETS

12079 AND 42079



32 RIVETS
x 2 PLATES
=64 RIVETS

28 RIVETS
x 2 PLATES
=56 RIVETS

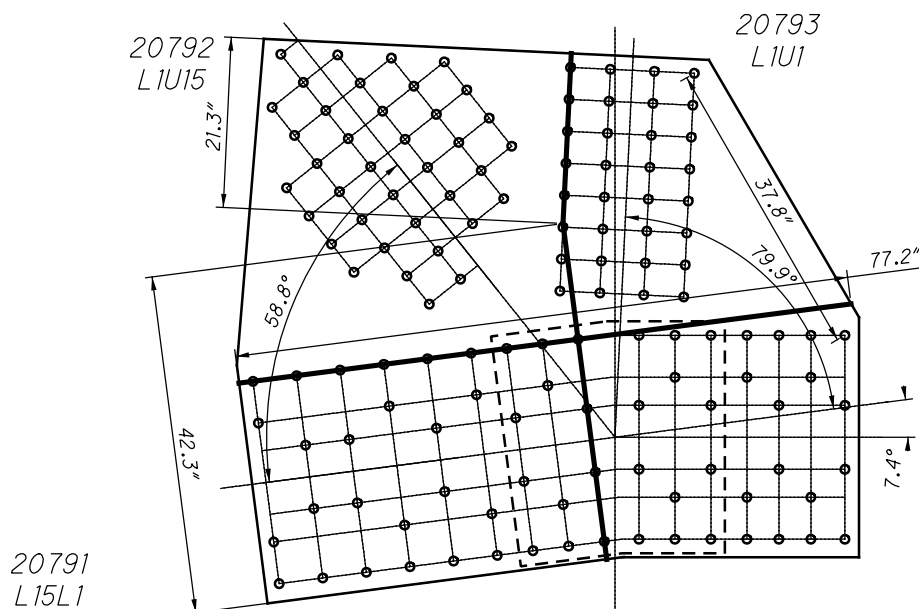
20795
L1L2

12 SPLICE P
x 2 PLATES
=24 RIVETS

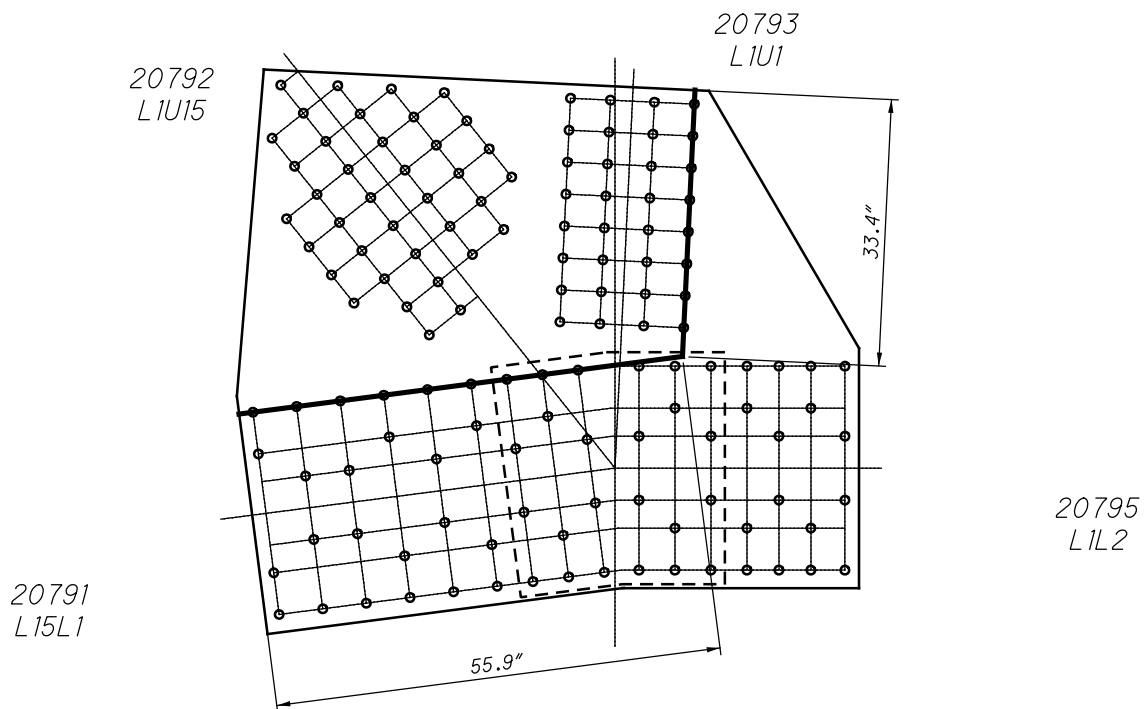
36 RIVETS
x 2 PLATES
=72 RIVETS

12 SPLICE P
x 2 PLATES
=24 RIVETS

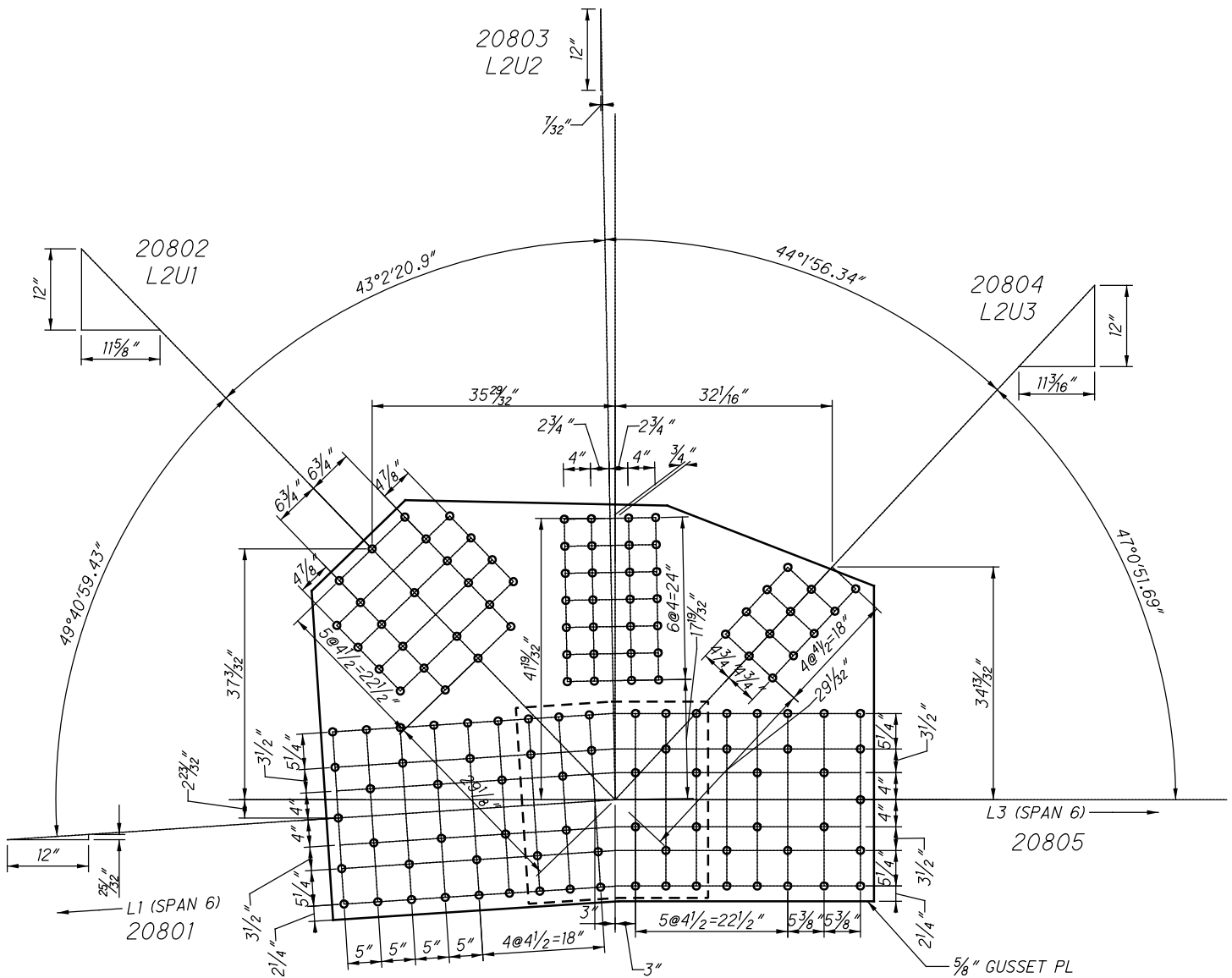
**L79 OUTSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

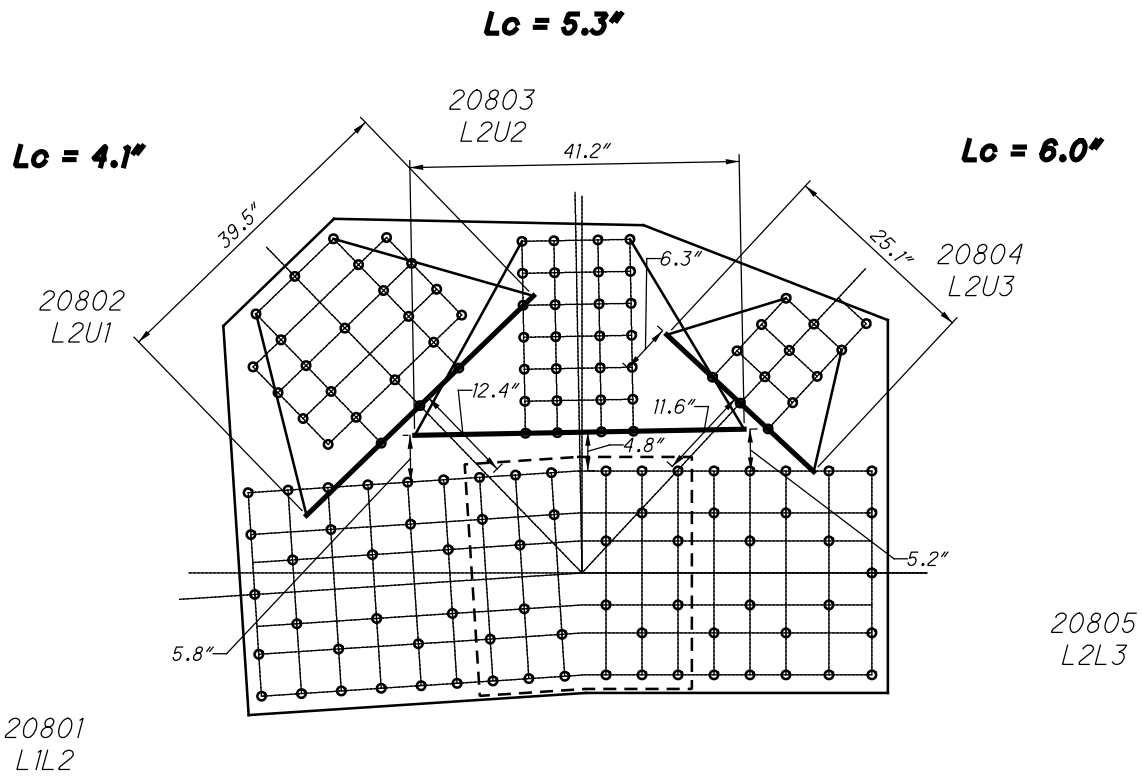


**L79 OUTSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

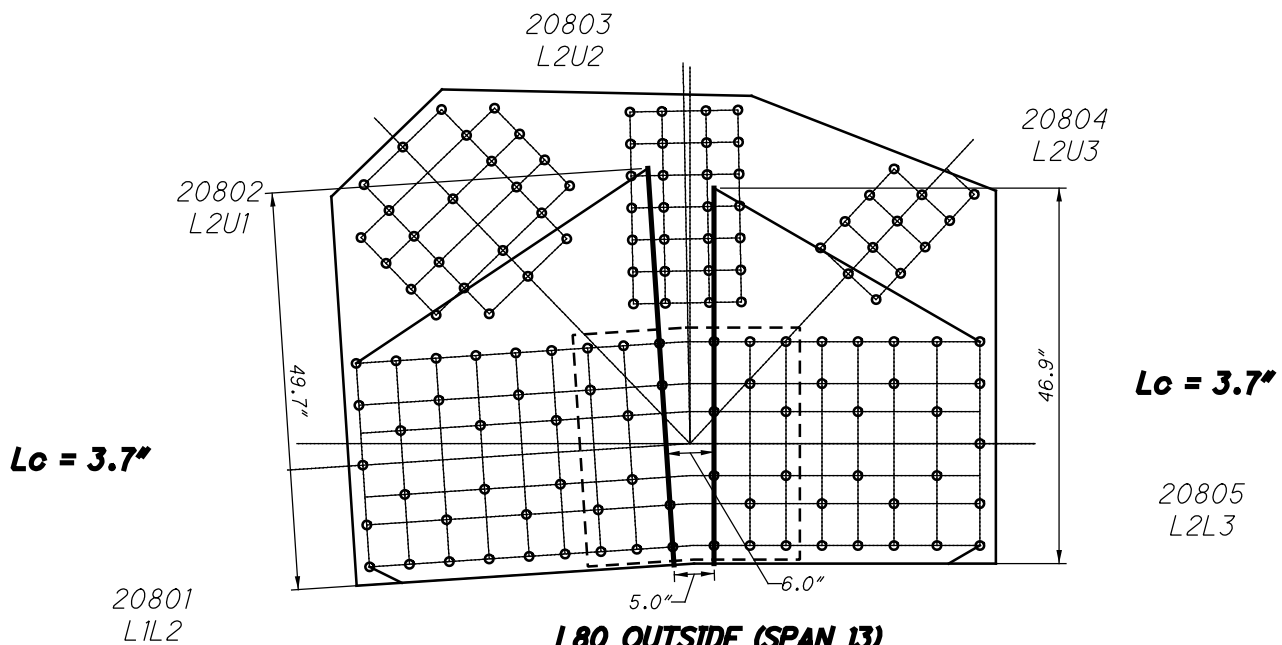


**L79 OUTSIDE (SPAN 13)
QUADRANT DIMENSIONS**

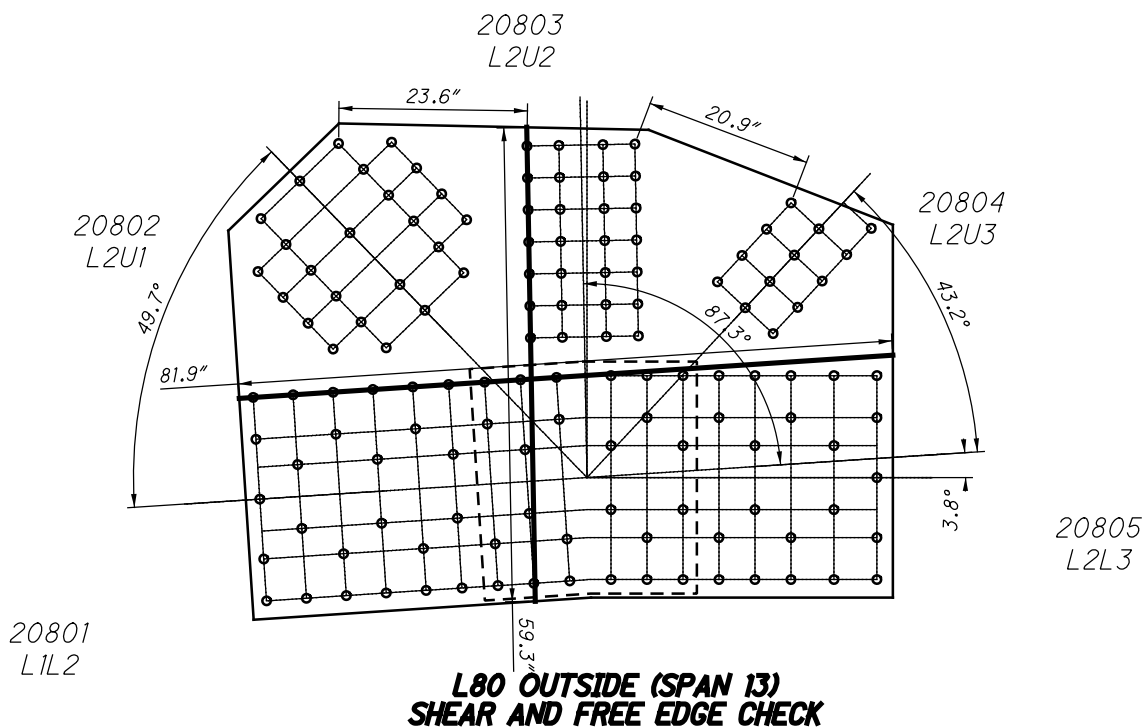
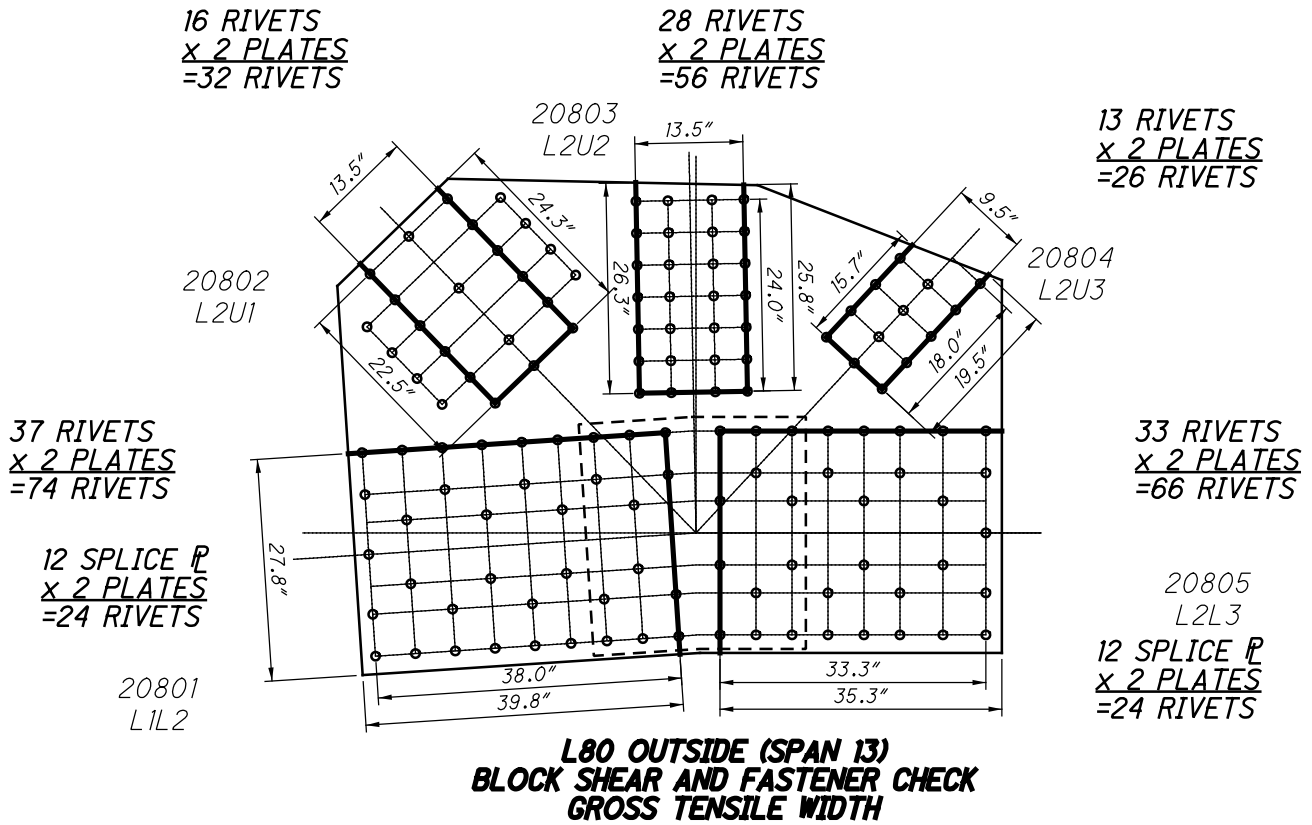


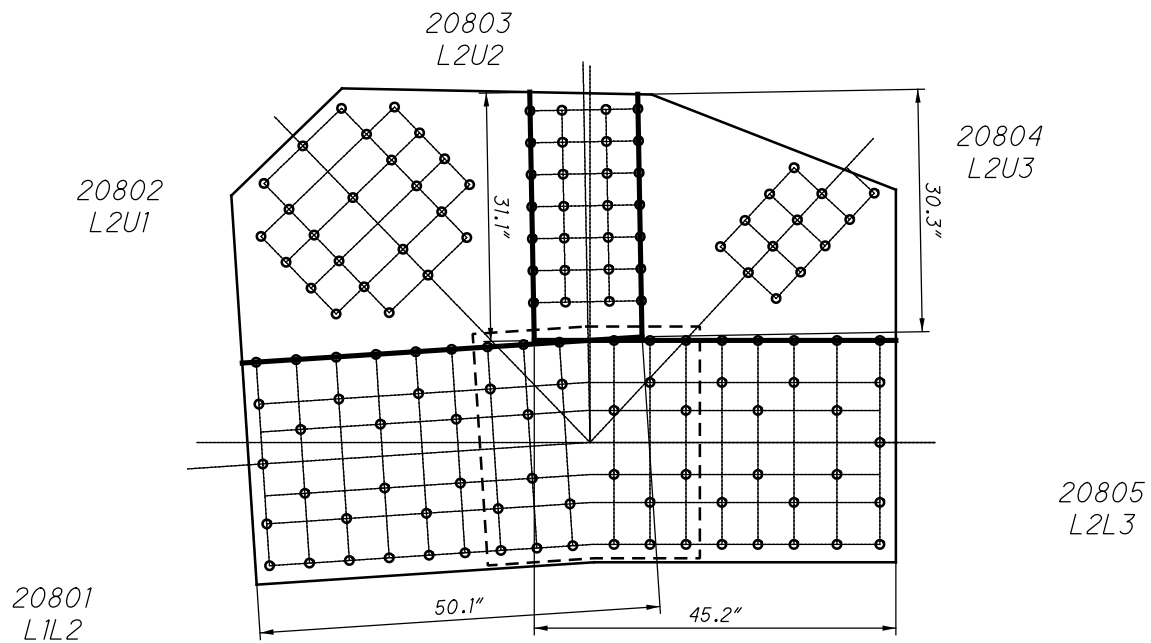


**L80 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

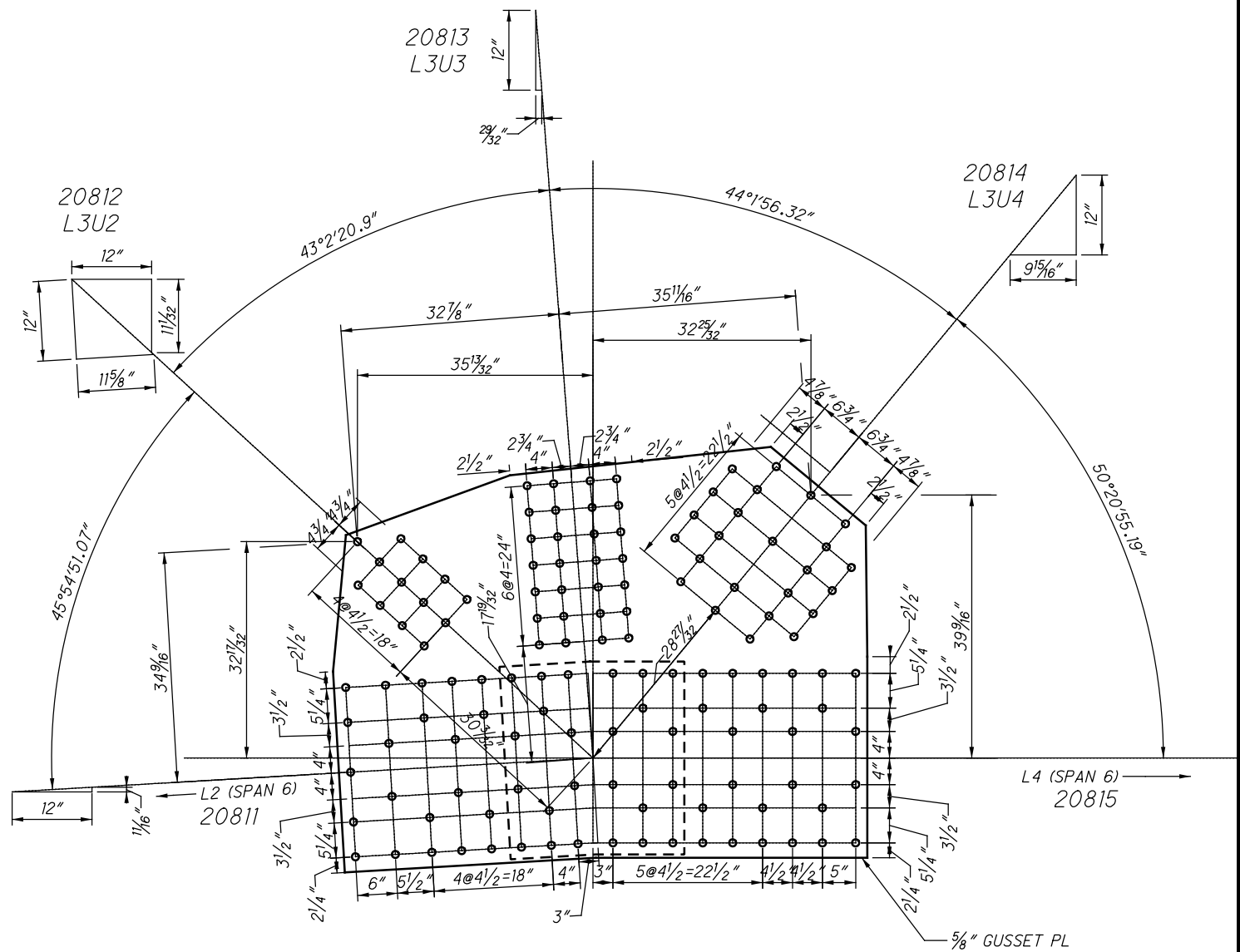


**L80 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



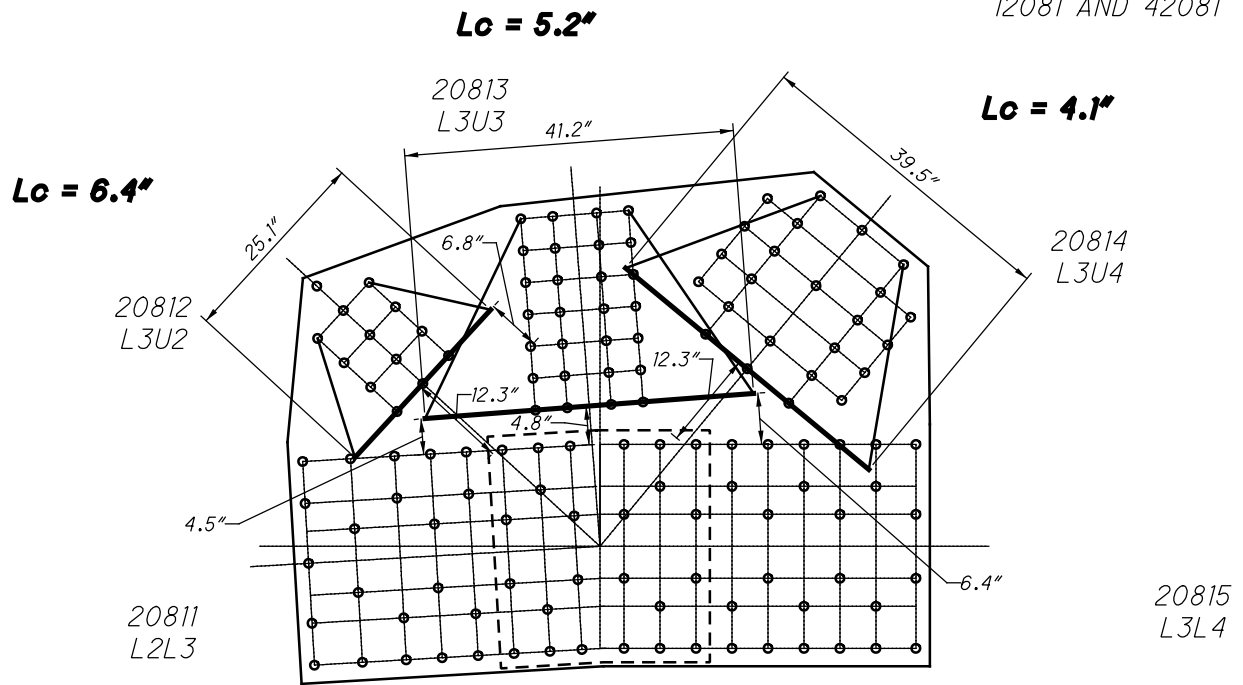


**L80 OUTSIDE (SPAN 13)
QUADRANT DIMENSIONS**

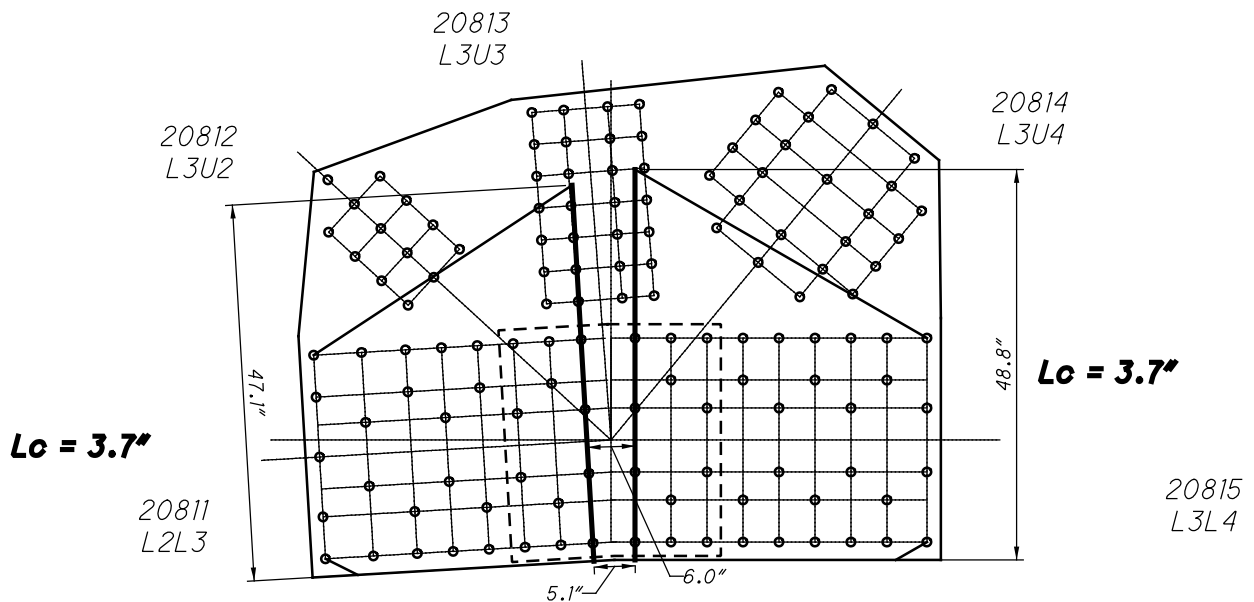


SPLICE PLATE
30" X 3/8" X 2'-4"

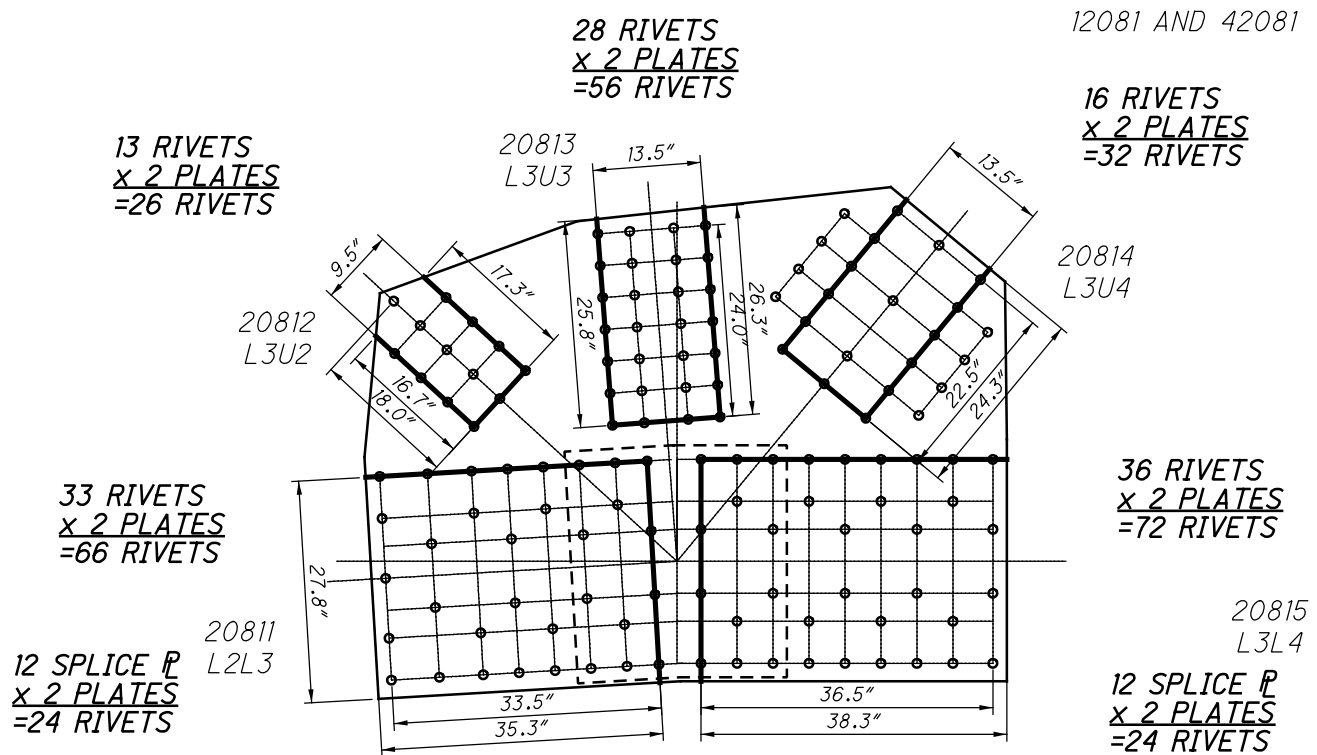
**L81 OUTSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**



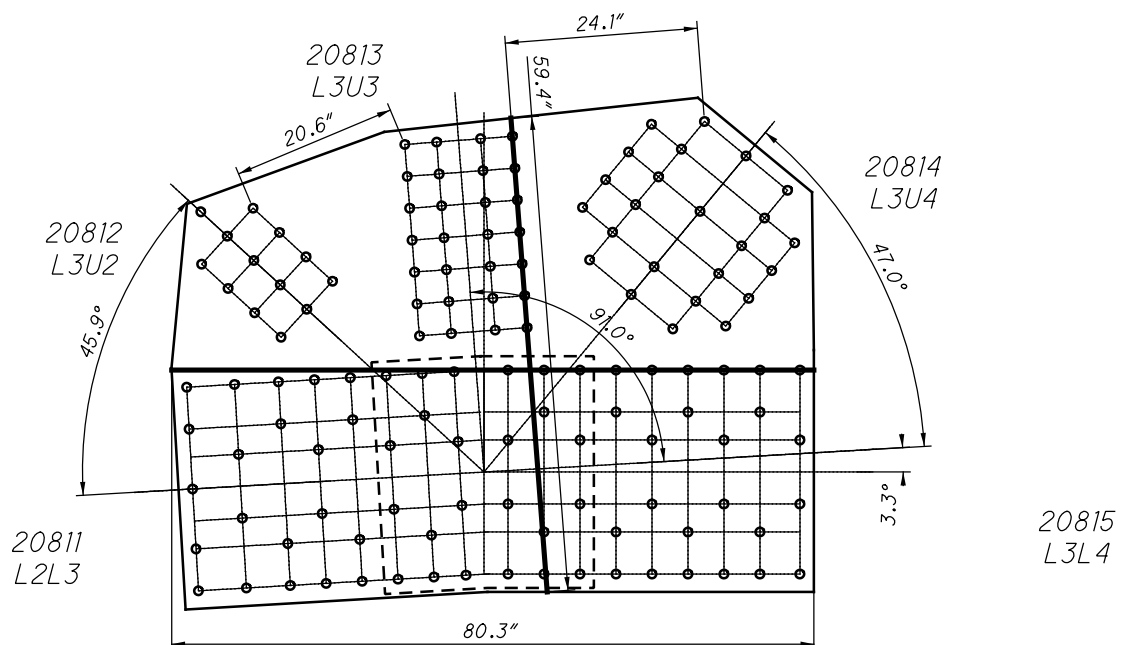
**L81 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



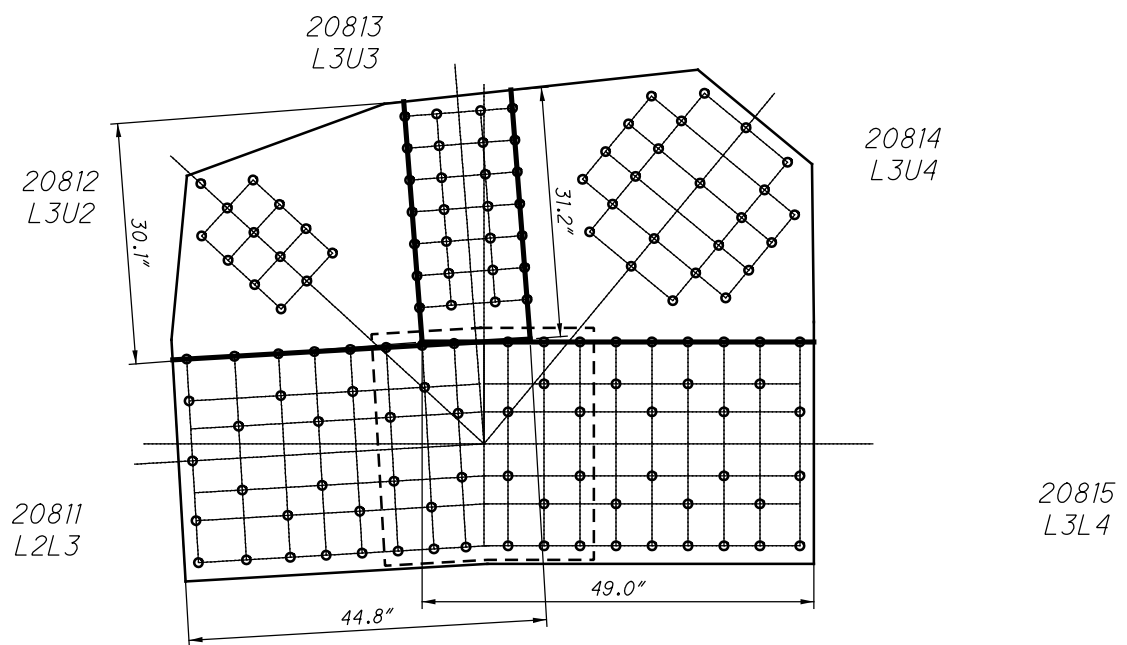
**L81 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L81 OUTSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

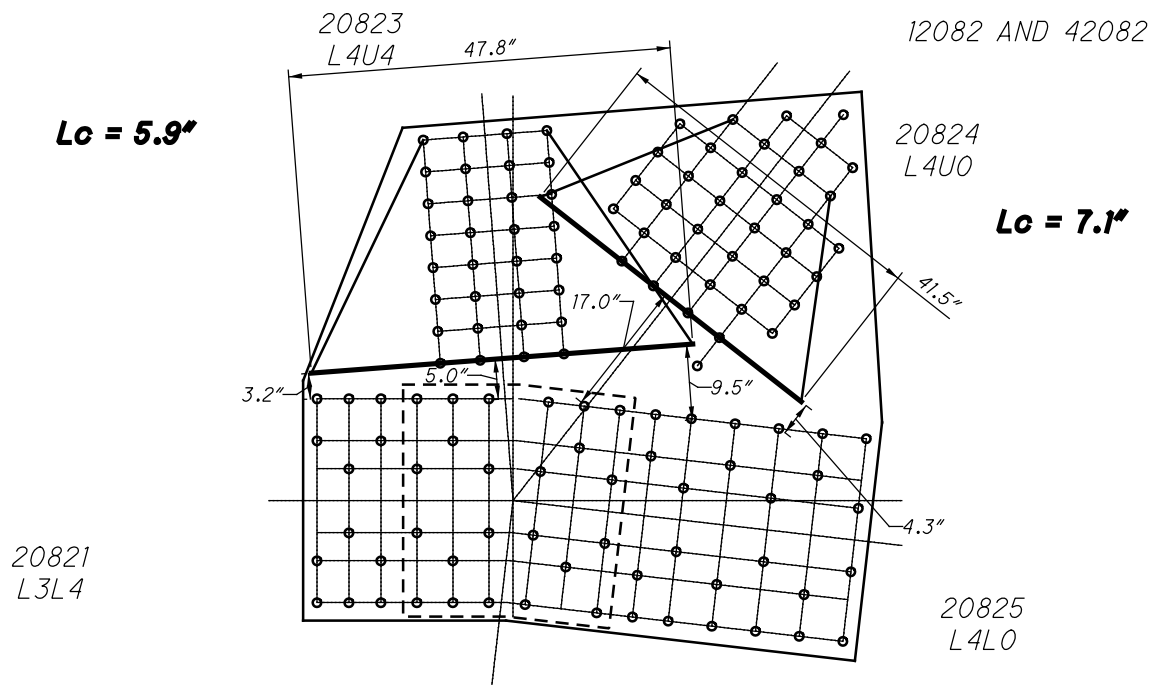


**L81 OUTSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

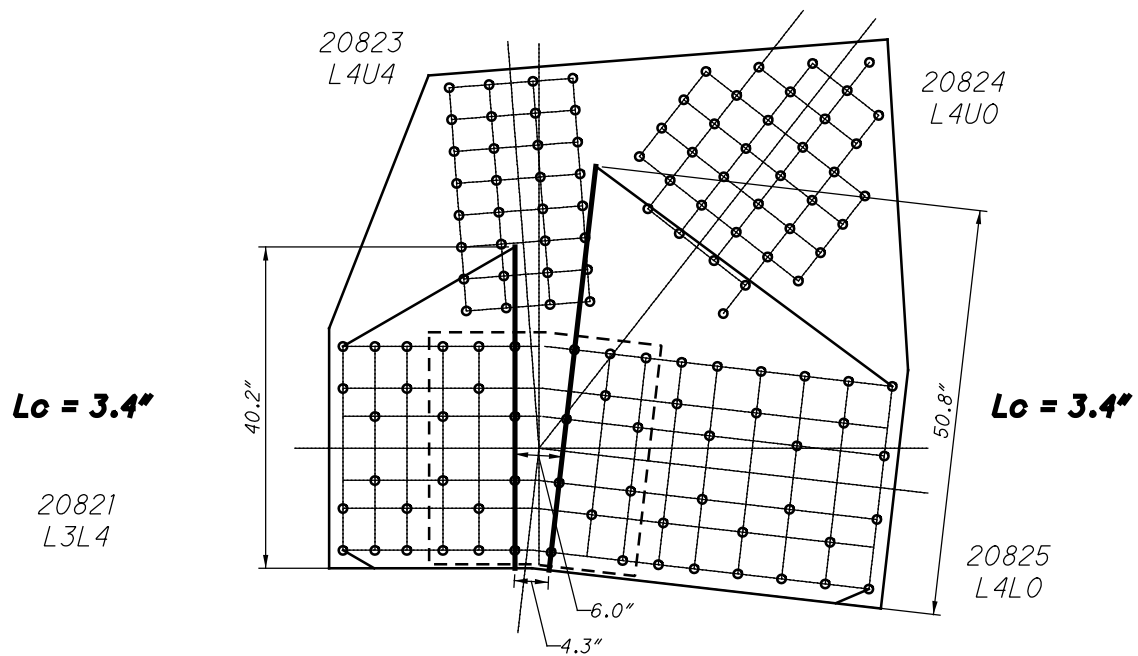


**L81 OUTSIDE (SPAN 13)
QUADRANT DIMENSIONS**

**L82 OUTSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**



**L82 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



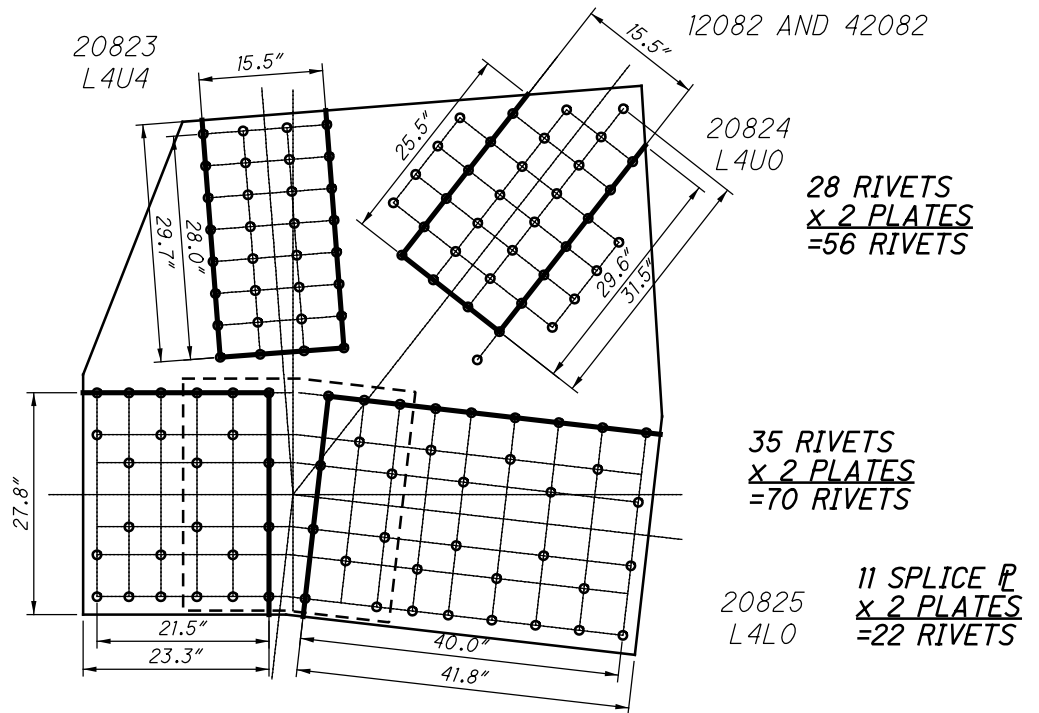
**L82 OUTSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

32 RIVETS
 \times 2 PLATES
 =64 RIVETS

24 RIVETS
 \times 2 PLATES
 =48 RIVETS

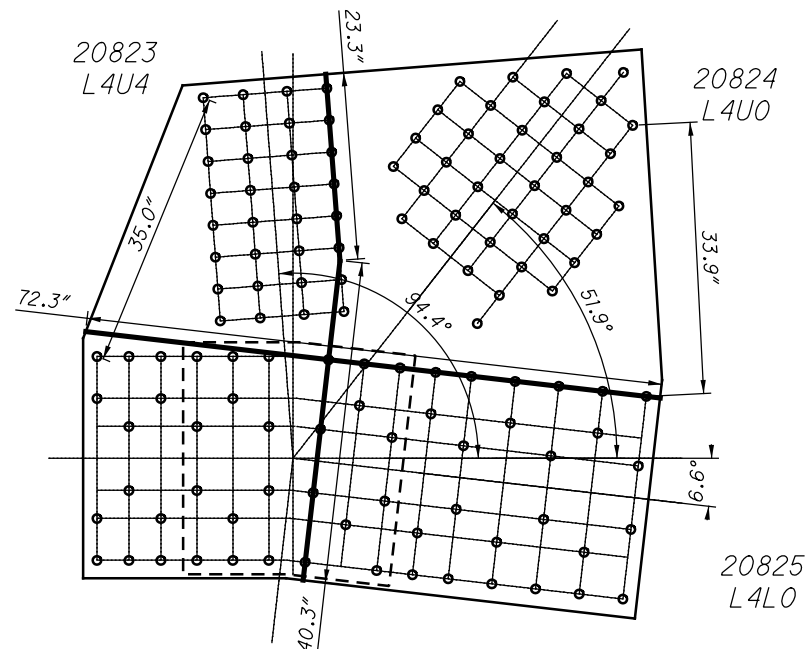
12 SPLICE P
 \times 2 PLATES
 =24 RIVETS

20821
 L3L4

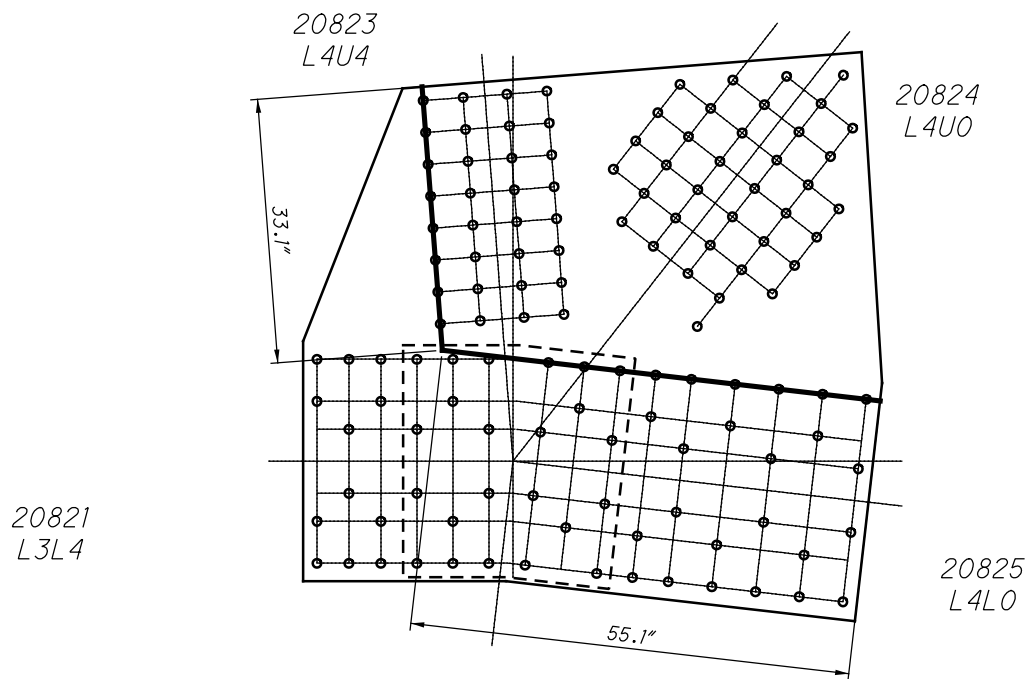


L82 OUTSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

20821
 L3L4



L82 OUTSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK



**L82 OUTSIDE (SPAN 13)
QUADRANT DIMENSIONS**

A- PL $\frac{5}{8}$ X 24 X 3'-3 $\frac{1}{2}$ "

B- PL $\frac{1}{2}$ X 24 X 2'-6"

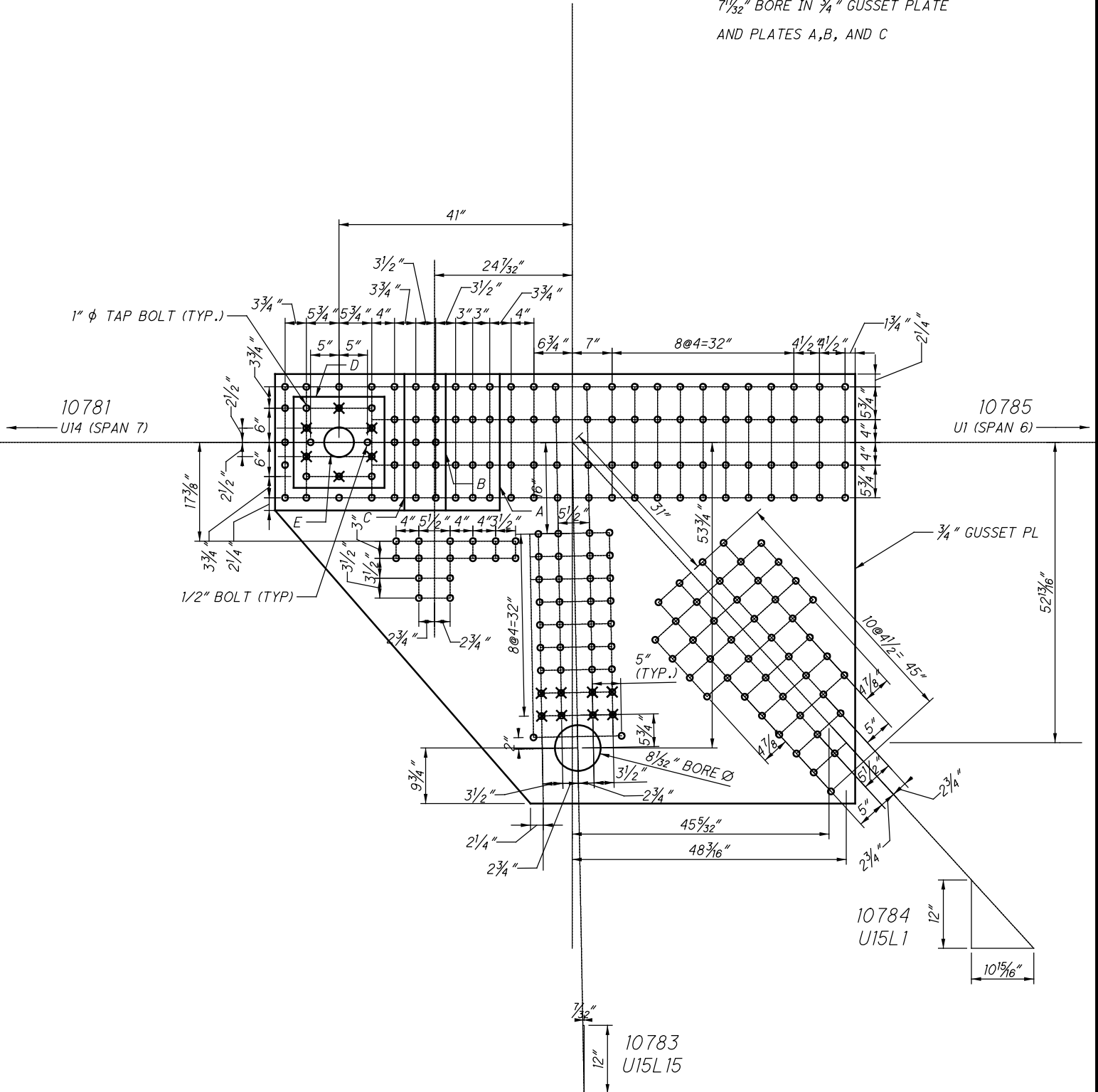
C- PL $\frac{7}{16}$ X 24 X 1'-10 $\frac{3}{4}$ "

D- PL $\frac{3}{4}$ X 16 X 1'-4"

E- 5 $\frac{1}{4}$ " BORE IN PLATE D

7 $\frac{1}{32}$ " BORE IN $\frac{3}{4}$ " GUSSET PLATE

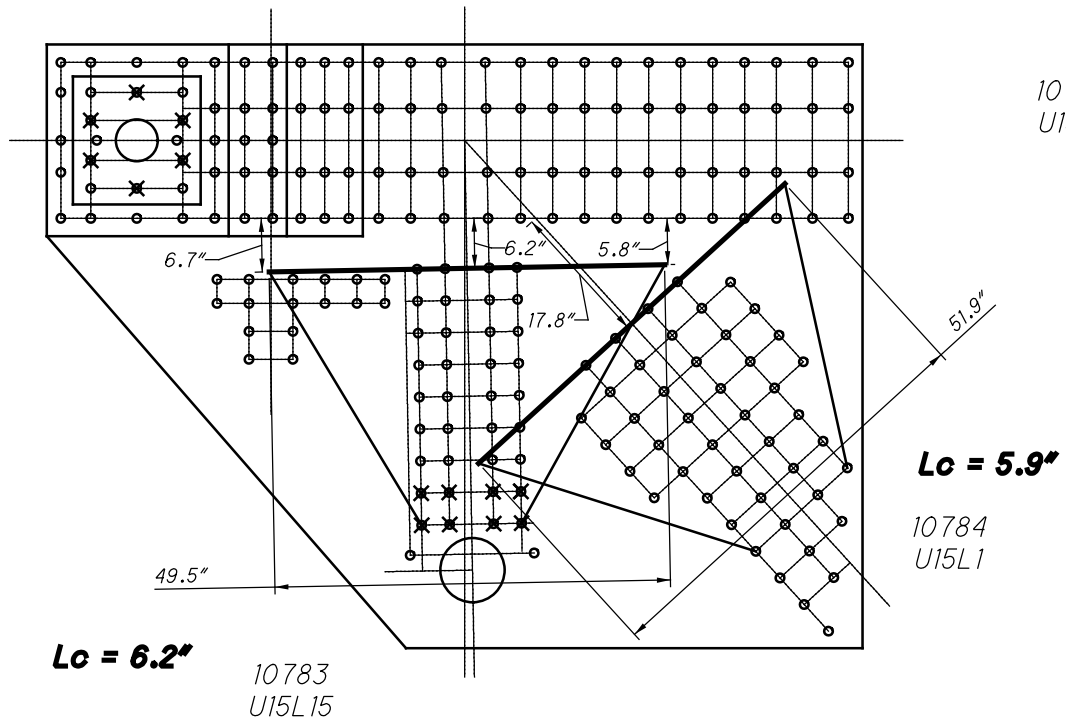
AND PLATES A,B, AND C



**U78 INSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**

10781
U14U15

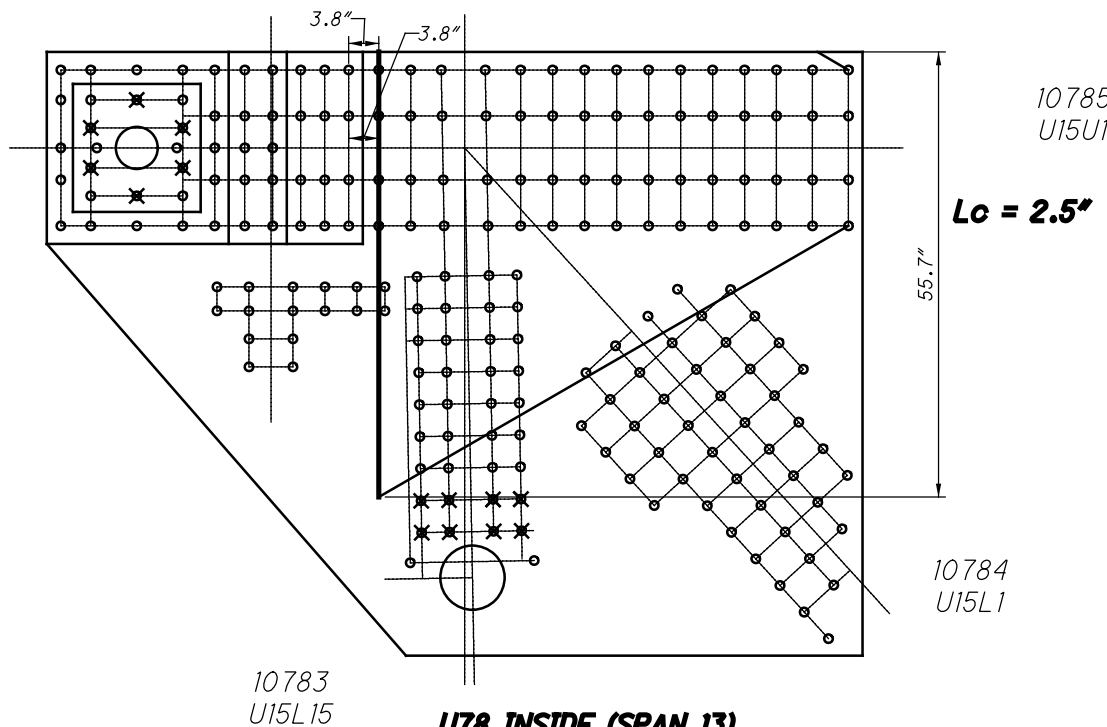
10785
U15U1



**U78 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10781
U14U15

10785
U15U1



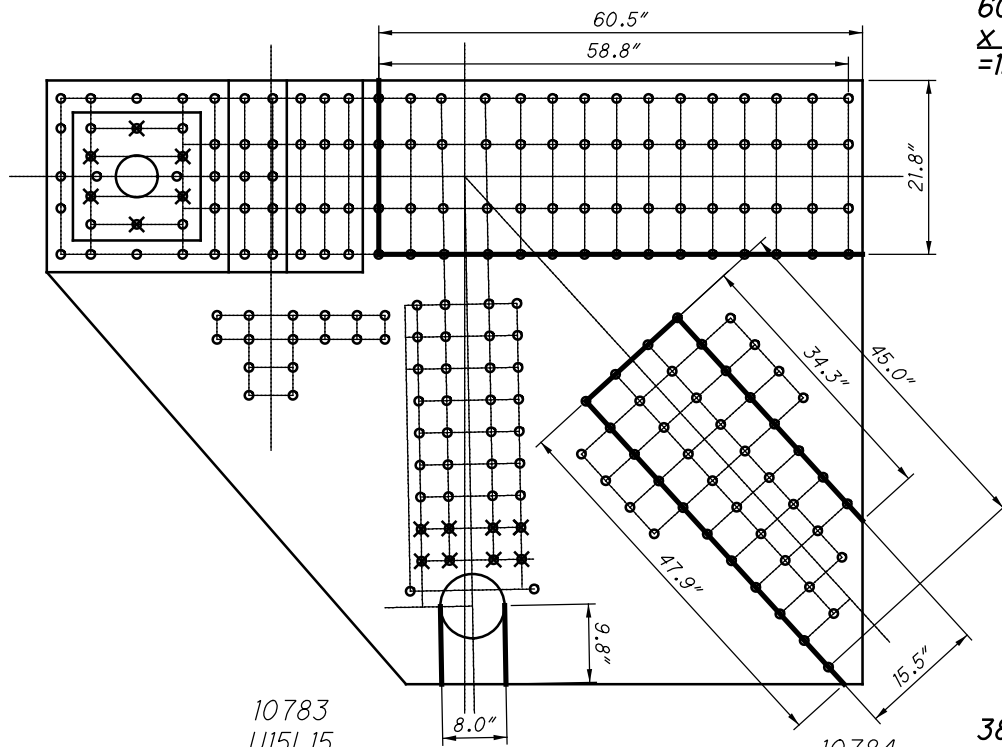
**U78 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21078 AND 31078

60 RIVETS
x 2 PLATES
=120 RIVETS

10785
U15U1

10781
U14U15



10783
U15L15

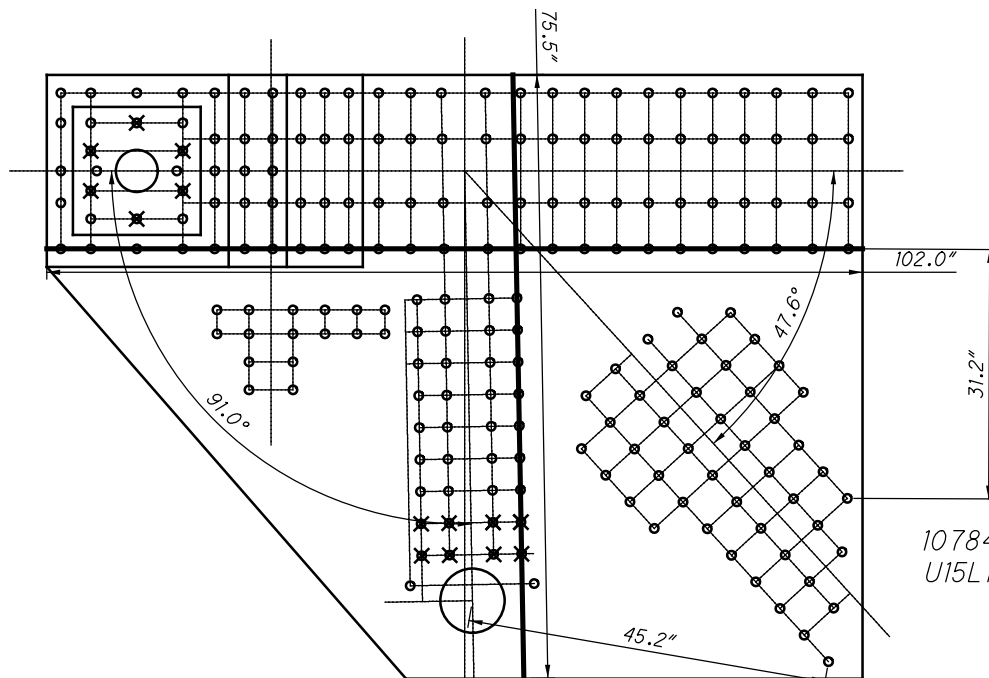
10784
U15L1

38 RIVETS
x 2 PLATES
=76 RIVETS

**U78 INSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10781
U14U15

10785
U15U1



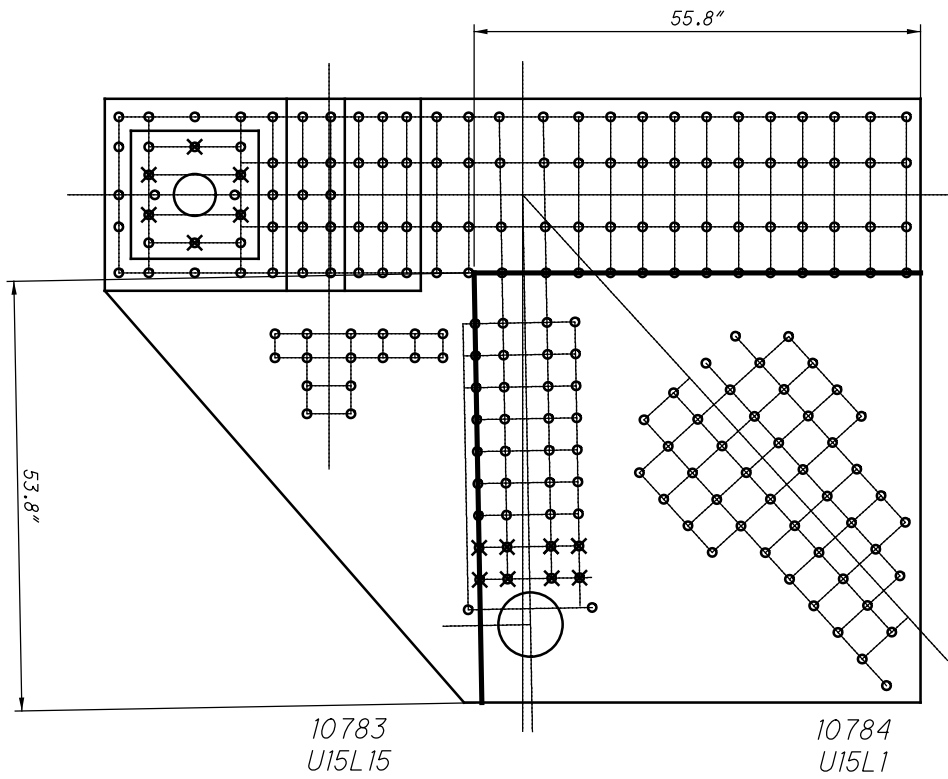
10783
U15L15

10784
U15L1

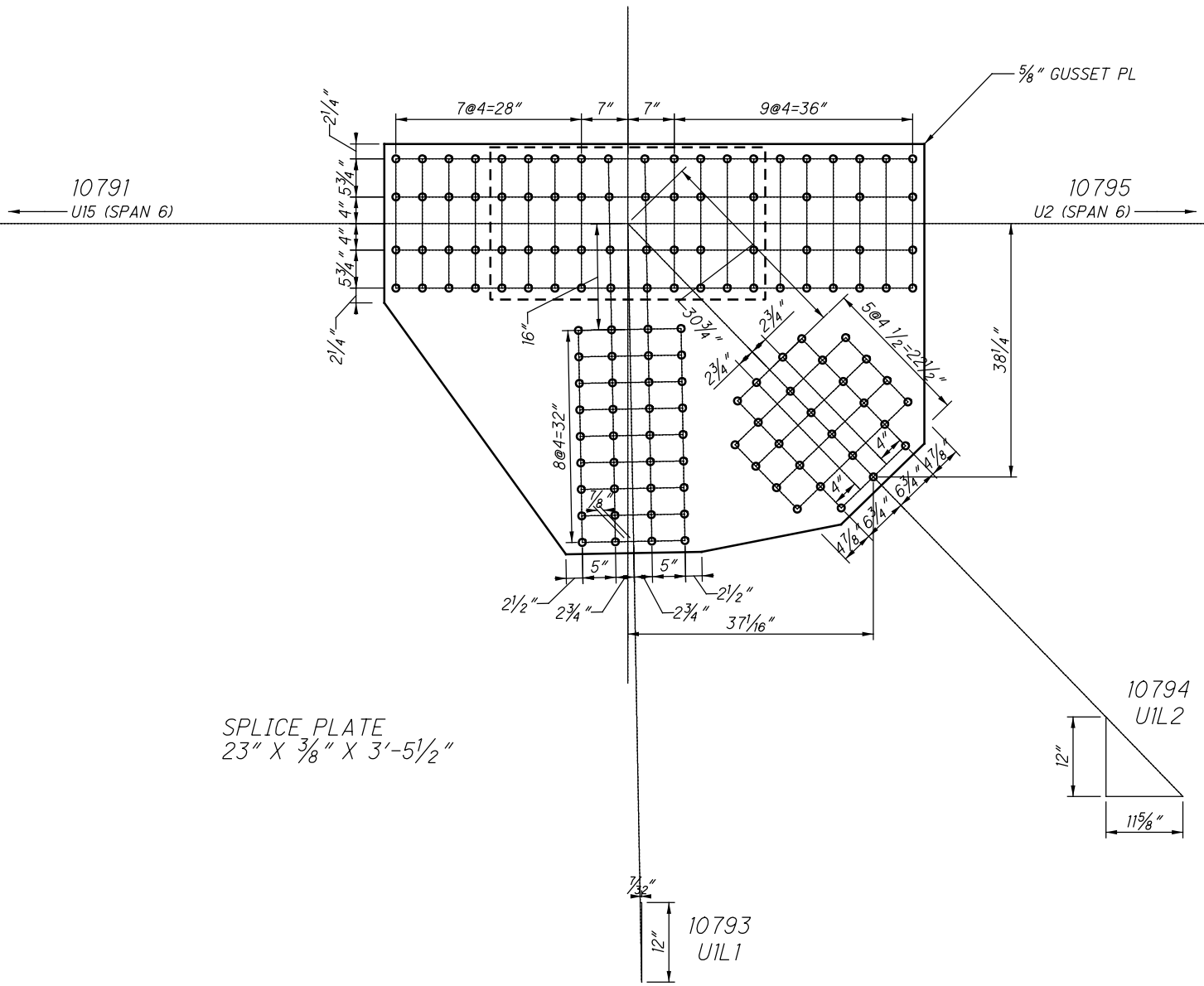
**U78 INSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

10781
U14U15

10785
U15U1



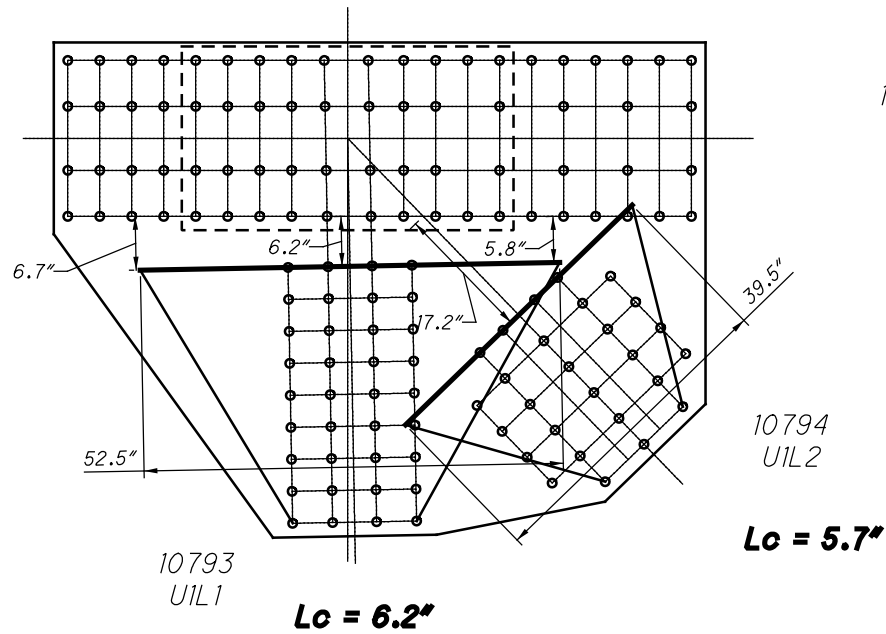
**U78 INSIDE (SPAN 13)
QUADRANT DIMENSIONS**



**U79 INSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**

10791
U15U1

10795
U1U2

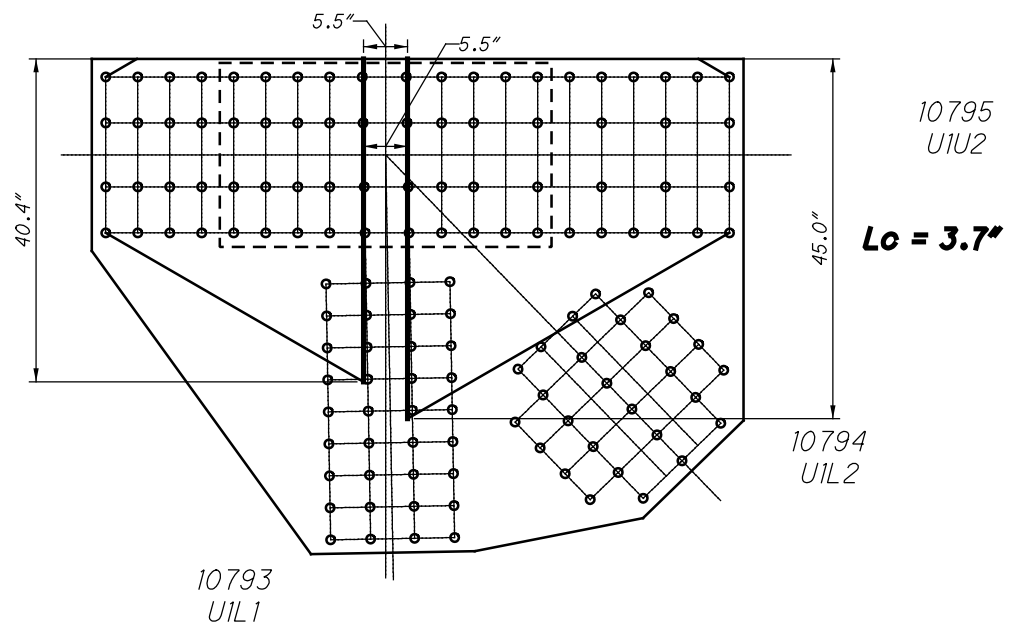


**U79 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10791
U15U1

10795
U1U2

$L_c = 3.7"$



**U79 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

36 RIVETS
x 2 PLATES
=72 RIVETS

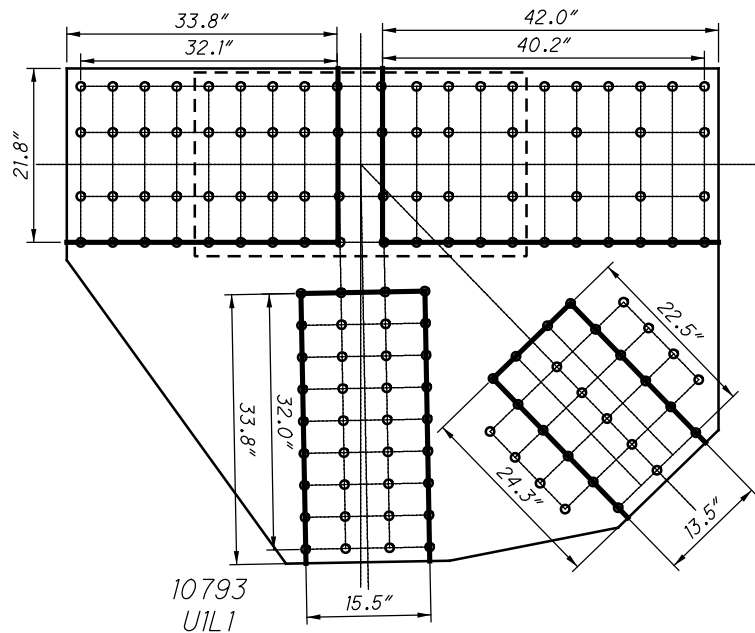
10791
U15U1

20 SPLICE P
x 2 PLATES
=40 RIVETS

36 RIVETS
x 2 PLATES
=72 RIVETS

10795
U1U2

18 SPLICE P
x 2 PLATES
=36 RIVETS



10793
U1L1

36 RIVETS
x 2 PLATES
=72 RIVETS

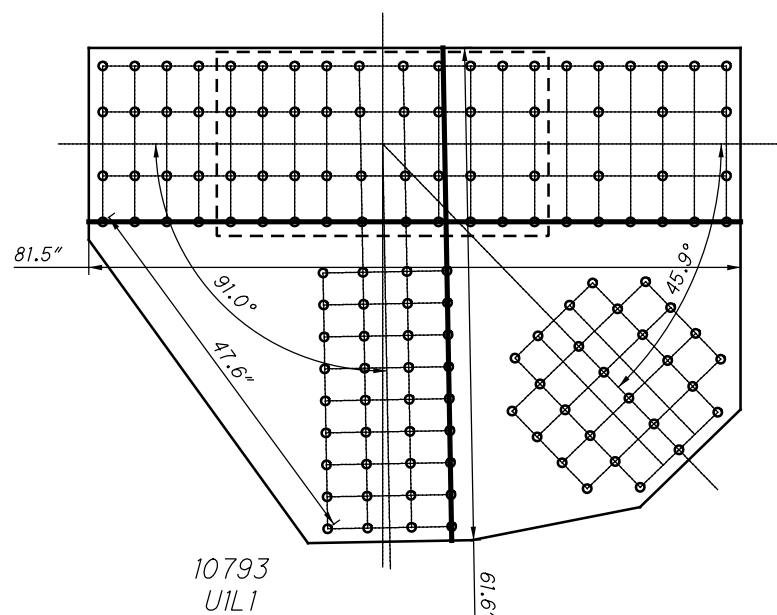
10794
U1L2

19 RIVETS
x 2 PLATES
=38 RIVETS

**U79 INSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10791
U15U1

10795
U1U2



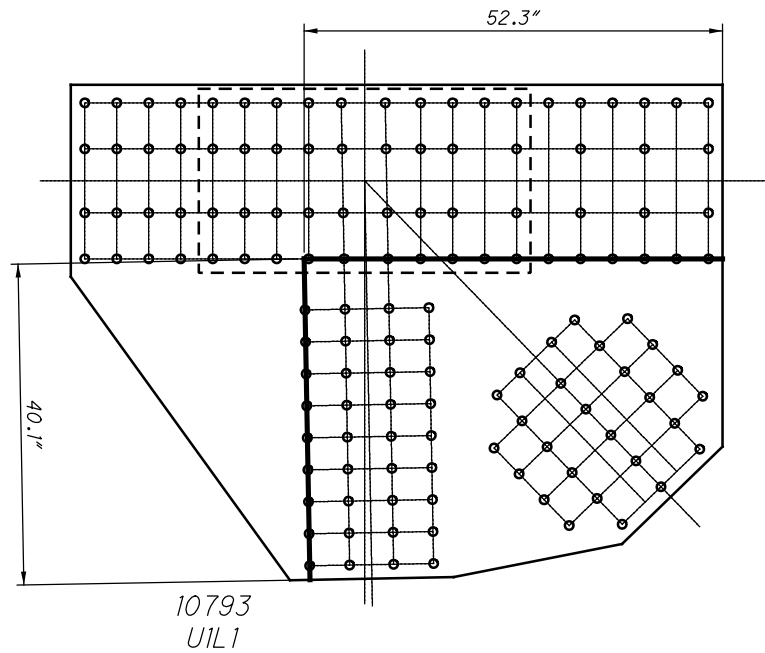
10793
U1L1

10794
U1L2

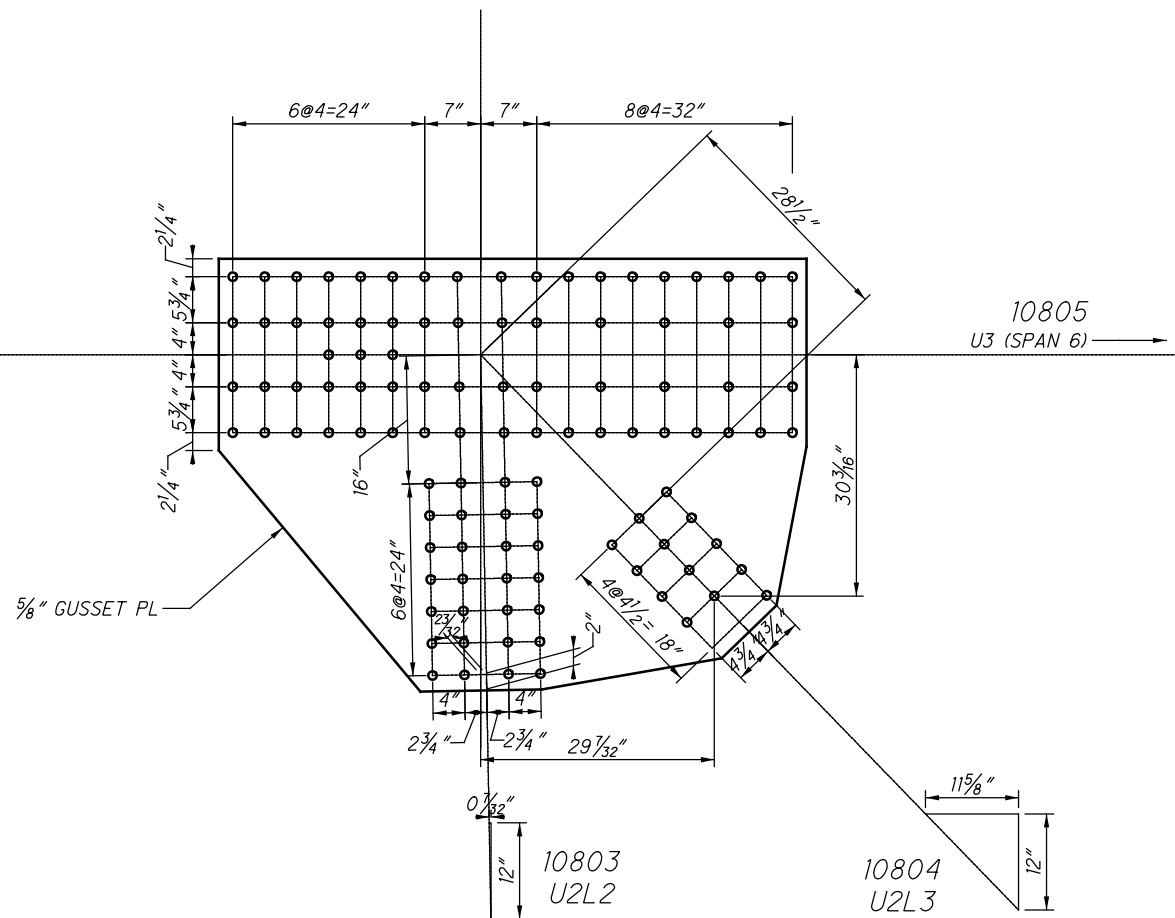
**U79 INSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

10791
U15U1

10795
U1U2

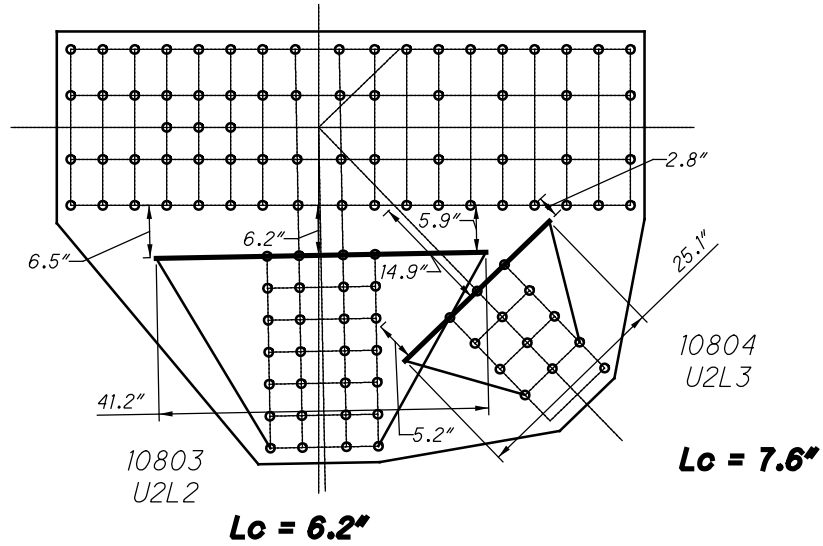


**U79 INSIDE (SPAN 13)
QUADRANT DIMENSIONS**



10801
U1U2

10805
U2U3

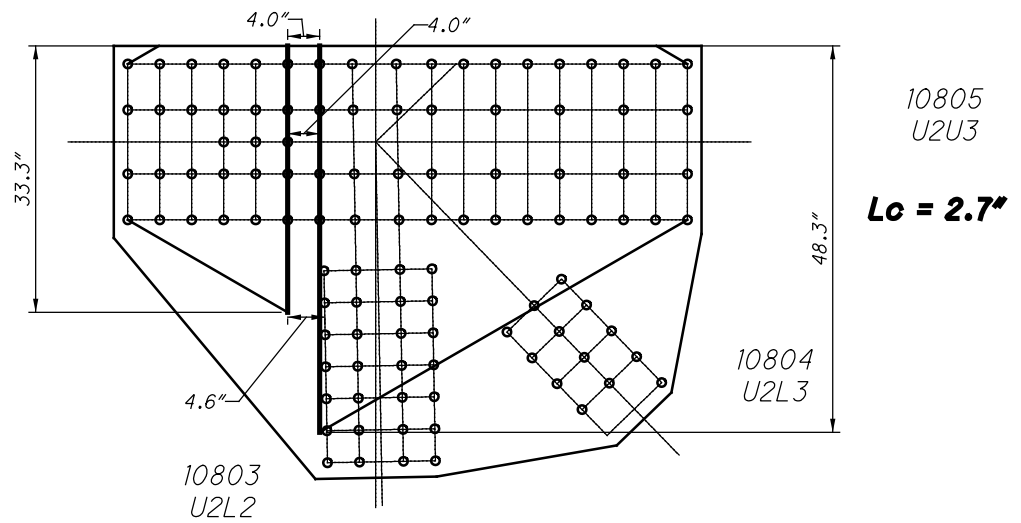


**U80 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10801
U1U2

10805
U2U3

$L_c = 4.2"$

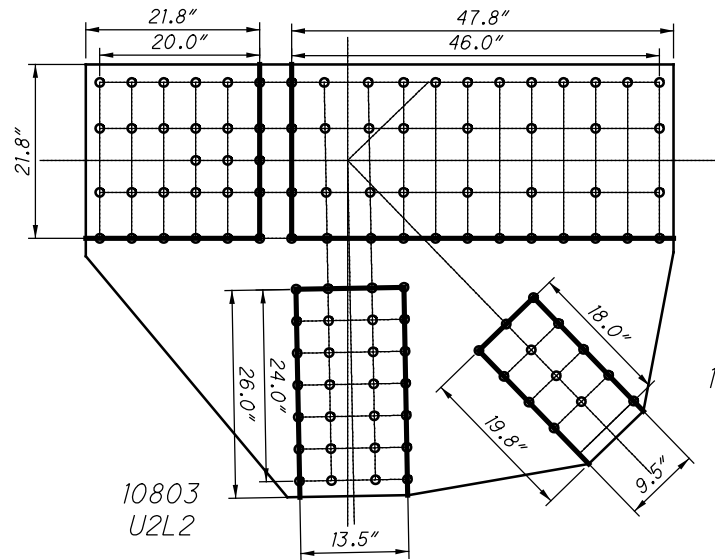


**U80 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21080 AND 31080

27 RIVETS
x 2 PLATES
=54 RIVETS

10801
U1U2



10805
U2U3

40 RIVETS
x 2 PLATES
=80 RIVETS

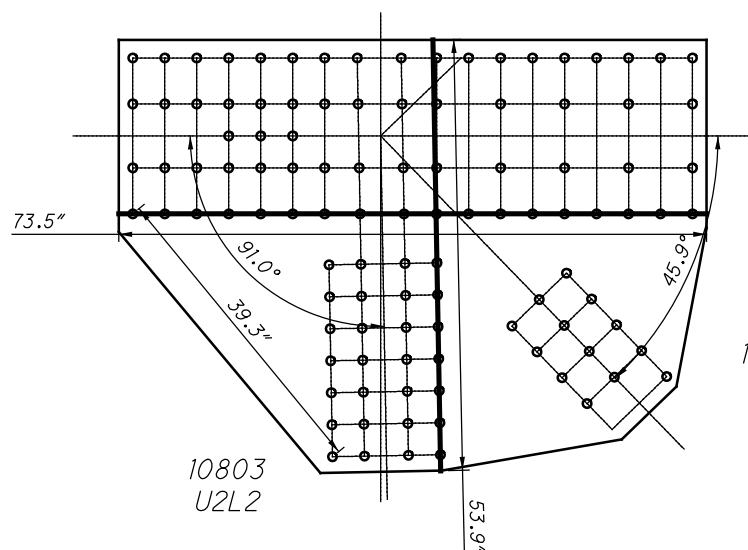
10804
U2L3

13 RIVETS
x 2 PLATES
=26 RIVETS

28 RIVETS
x 2 PLATES
=56 RIVETS

**U80 INSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10801
U1U2



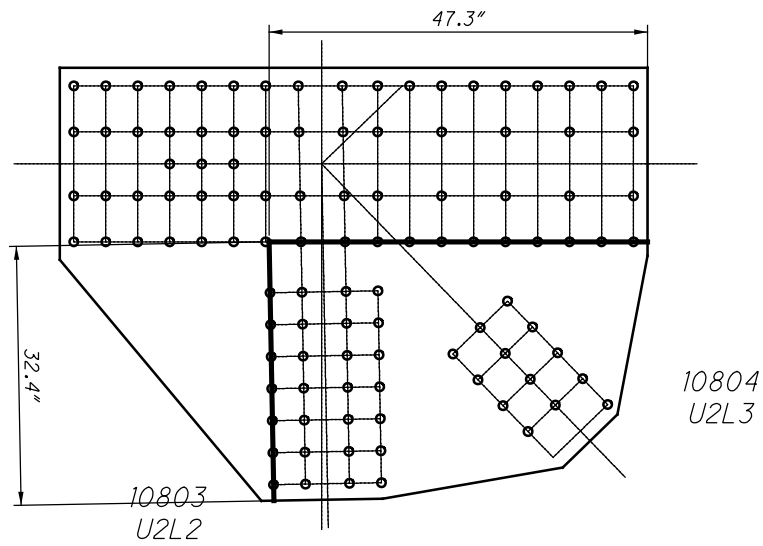
10805
U2U3

10804
U2L3

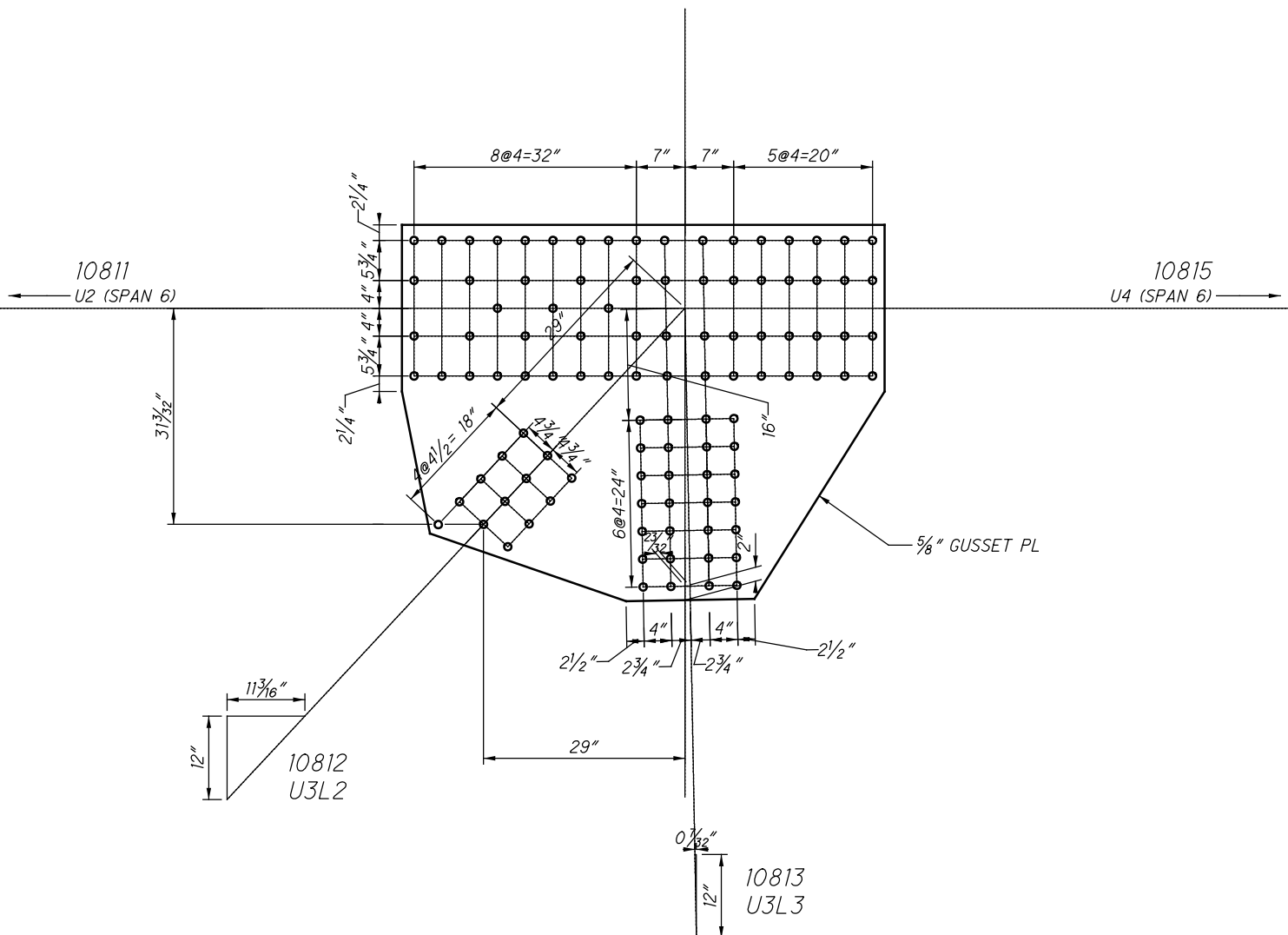
**U80 INSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

10801
U1U2

10805
U2U3



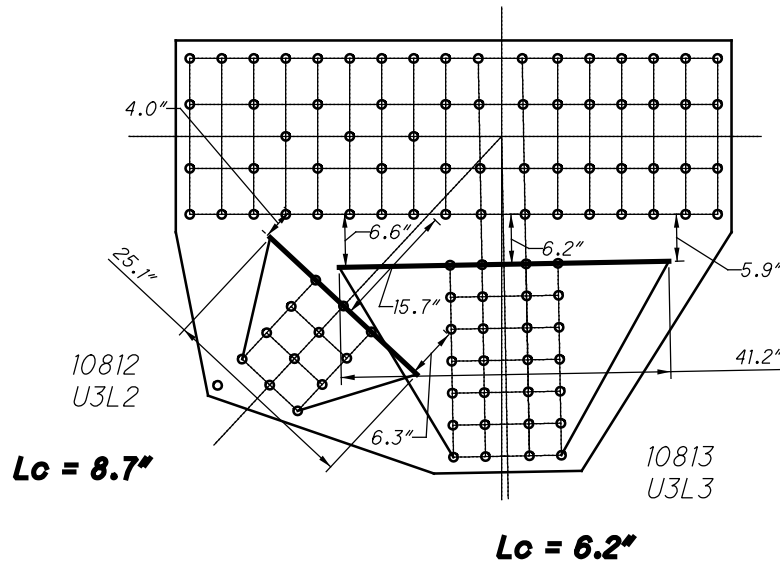
**U80 INSIDE (SPAN 13)
QUADRANT DIMENSIONS**



**U81 INSIDE (SPAN 13)
NEAR SIDE AND FAR SIDE**

10811
U2U3

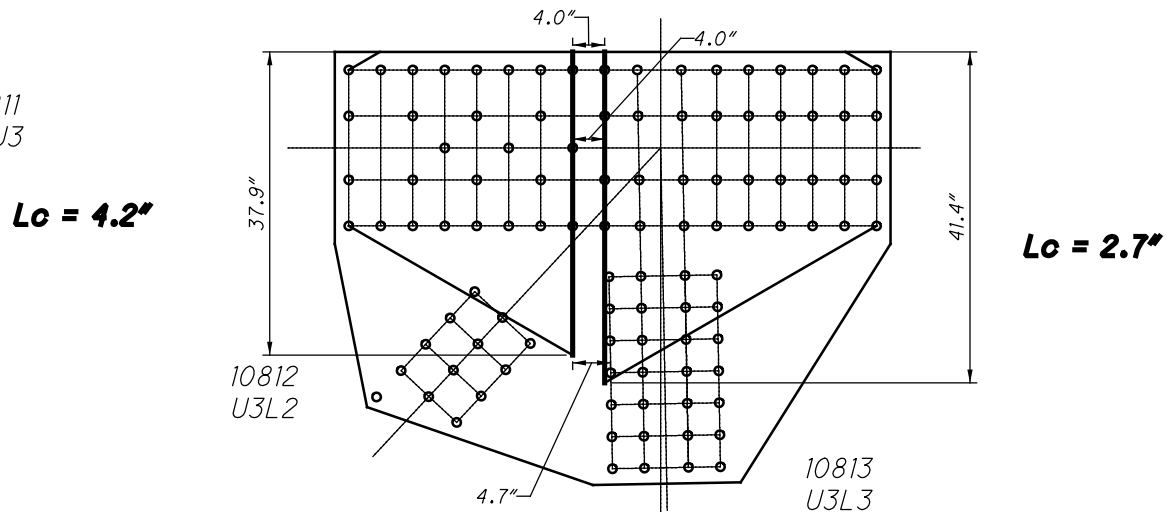
10815
U3U4



**U81 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10811
U2U3

10815
U3U4



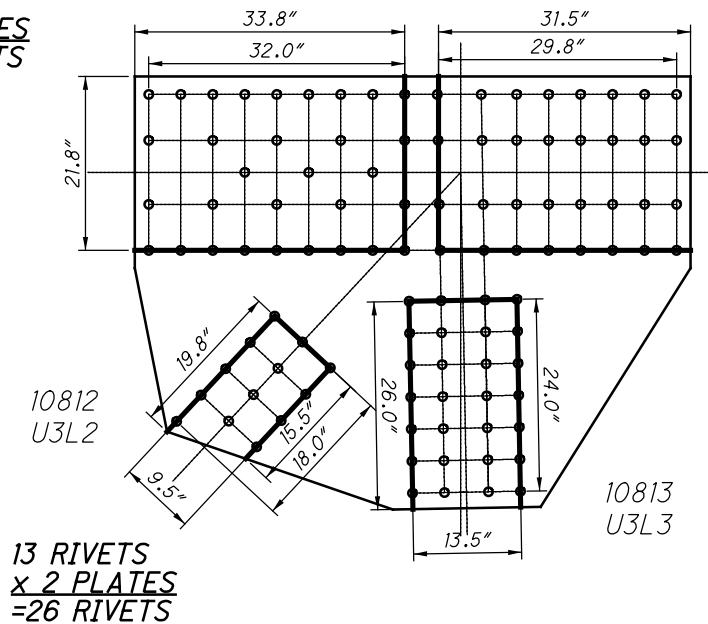
**U81 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

31 RIVETS
x 2 PLATES
=62 RIVETS

10811
U2U3

32 RIVETS
x 2 PLATES
=64 RIVETS

10815
U3U4



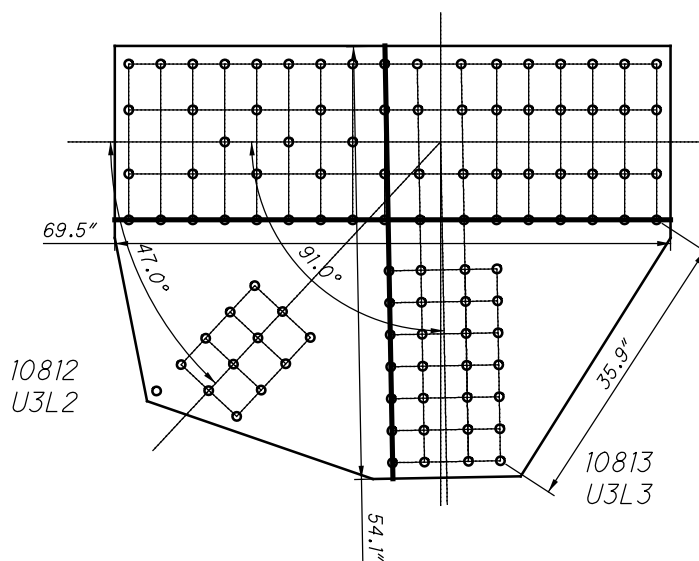
13 RIVETS
x 2 PLATES
=26 RIVETS

28 RIVETS
x 2 PLATES
=56 RIVETS

**U81 INSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10811
U2U3

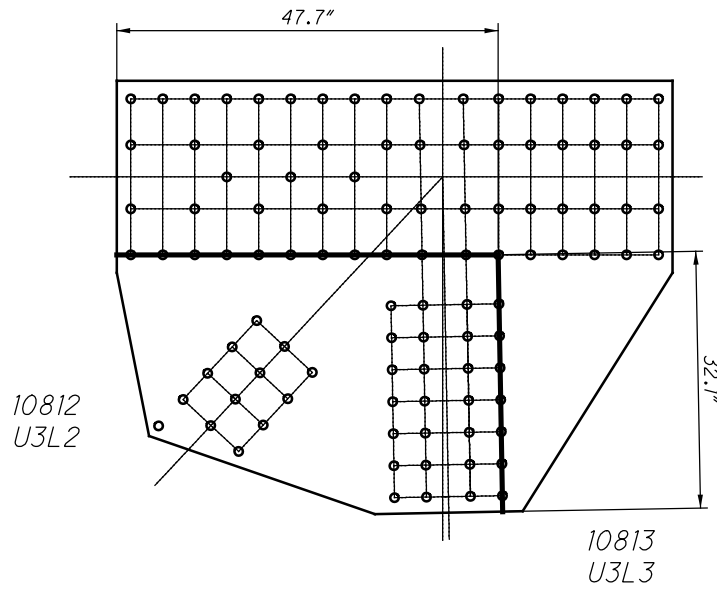
10815
U3U4



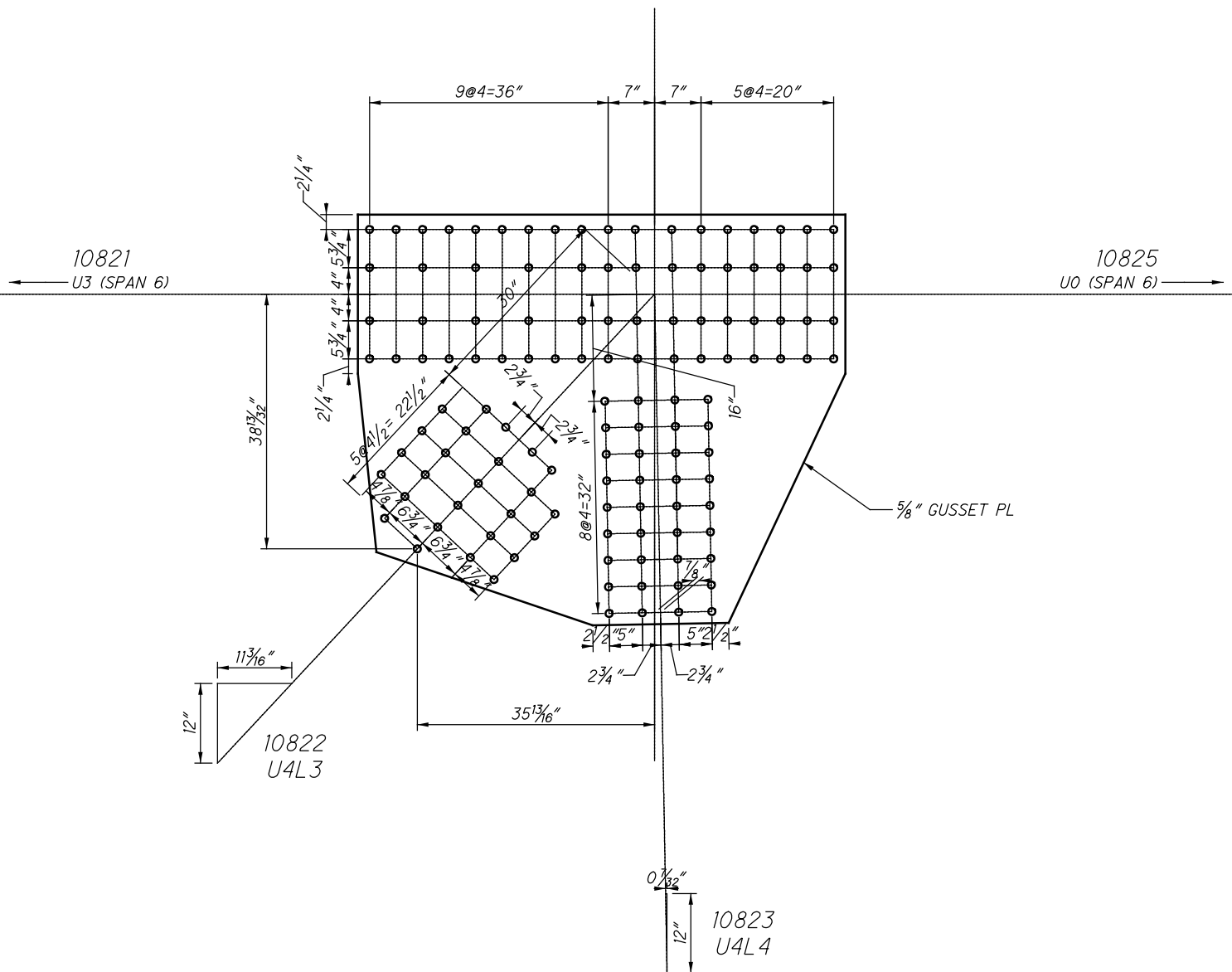
**U81 INSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

10811
U2U3

10815
U3U4



**U81 INSIDE (SPAN 13)
QUADRANT DIMENSIONS**



**U82 INSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**

10821
U3U4

10825
U4U0

10822
U4L3

10823
U4L4

$L_c = 6.2''$

$L_c = 6.2''$

**U82 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

10821
U3U4

10825
U4U0

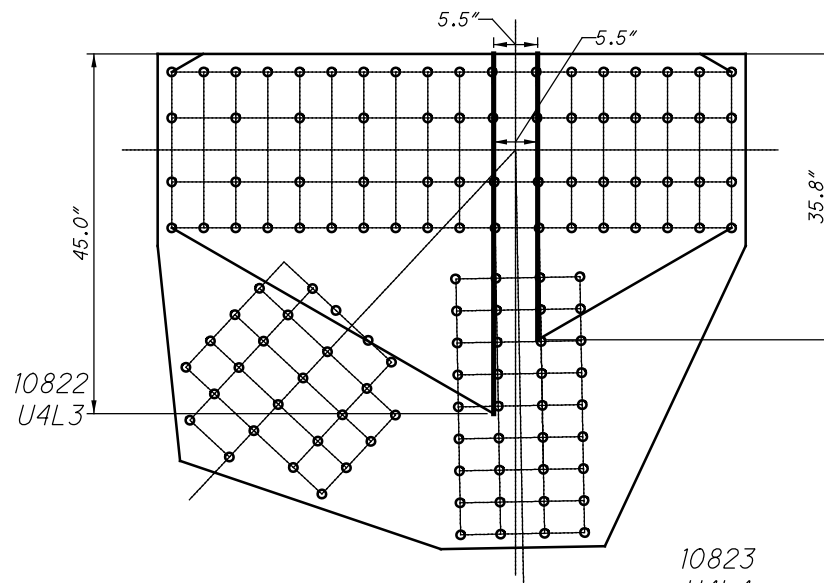
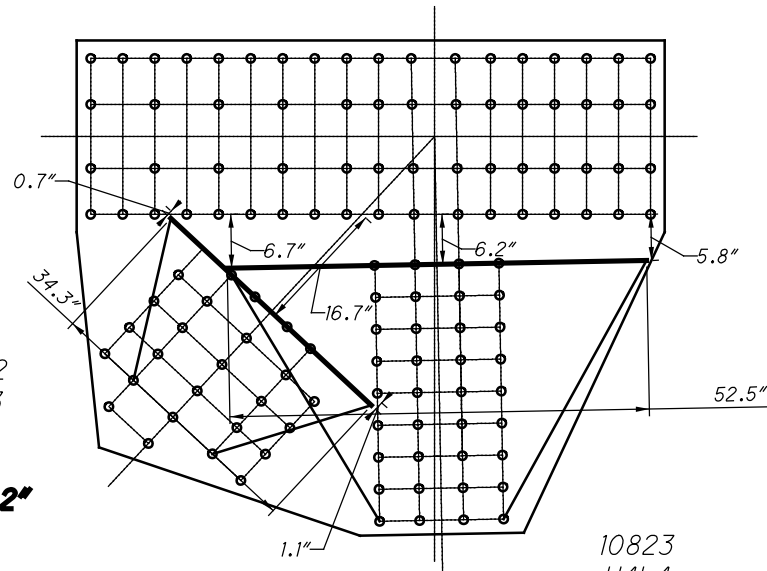
$L_c = 3.7''$

$L_c = 3.7''$

10822
U4L3

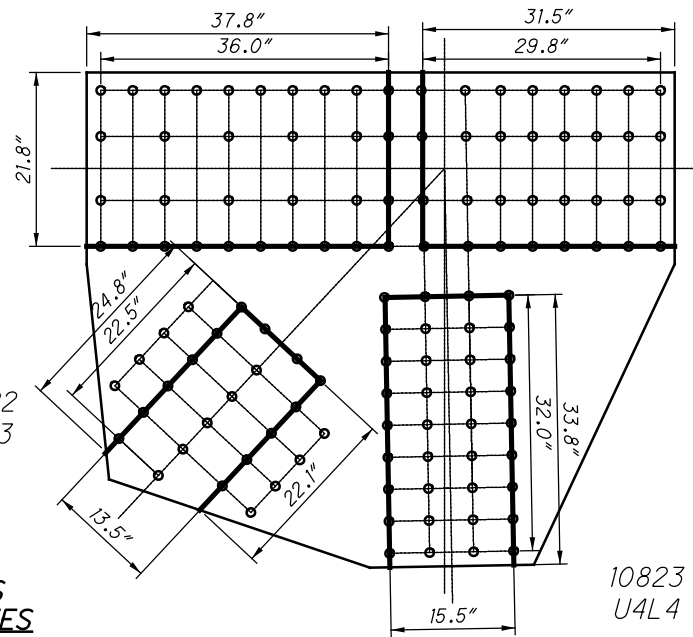
10823
U4L4

**U82 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



32 RIVETS
x 2 PLATES
=64 RIVETS

10821
U3U4



32 RIVETS
x 2 PLATES
=64 RIVETS

10825
U4U0

10822
U4L3

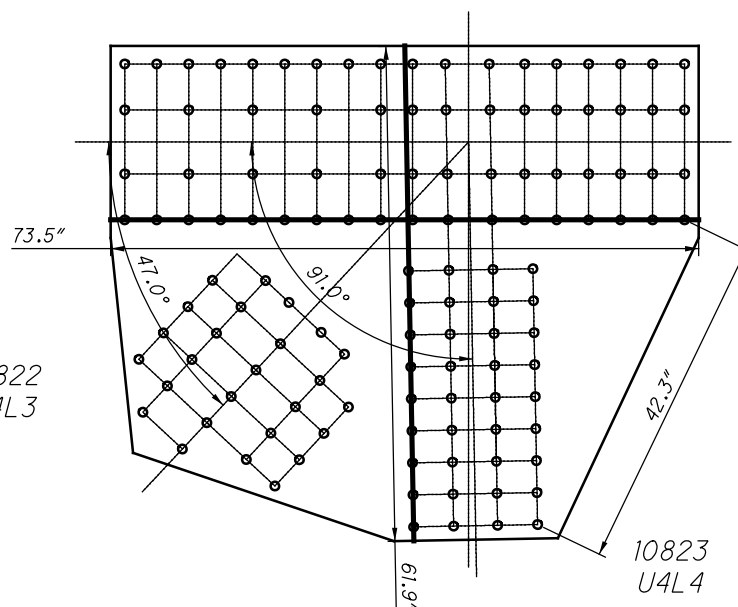
18 RIVETS
x 2 PLATES
=36 RIVETS

10823
U4L4

36 RIVETS
x 2 PLATES
=72 RIVETS

**U82 INSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

10821
U3U4



10825
U4U0

10822
U4L3

10823
U4L4

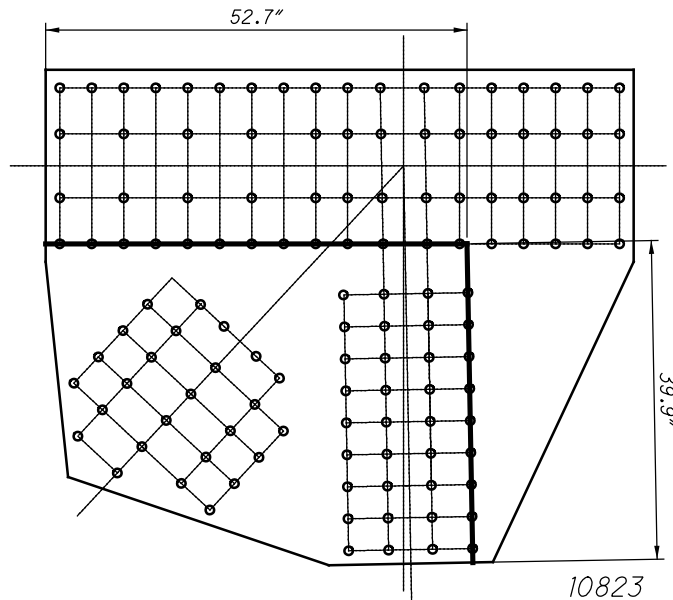
**U82 INSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

10821
U3U4

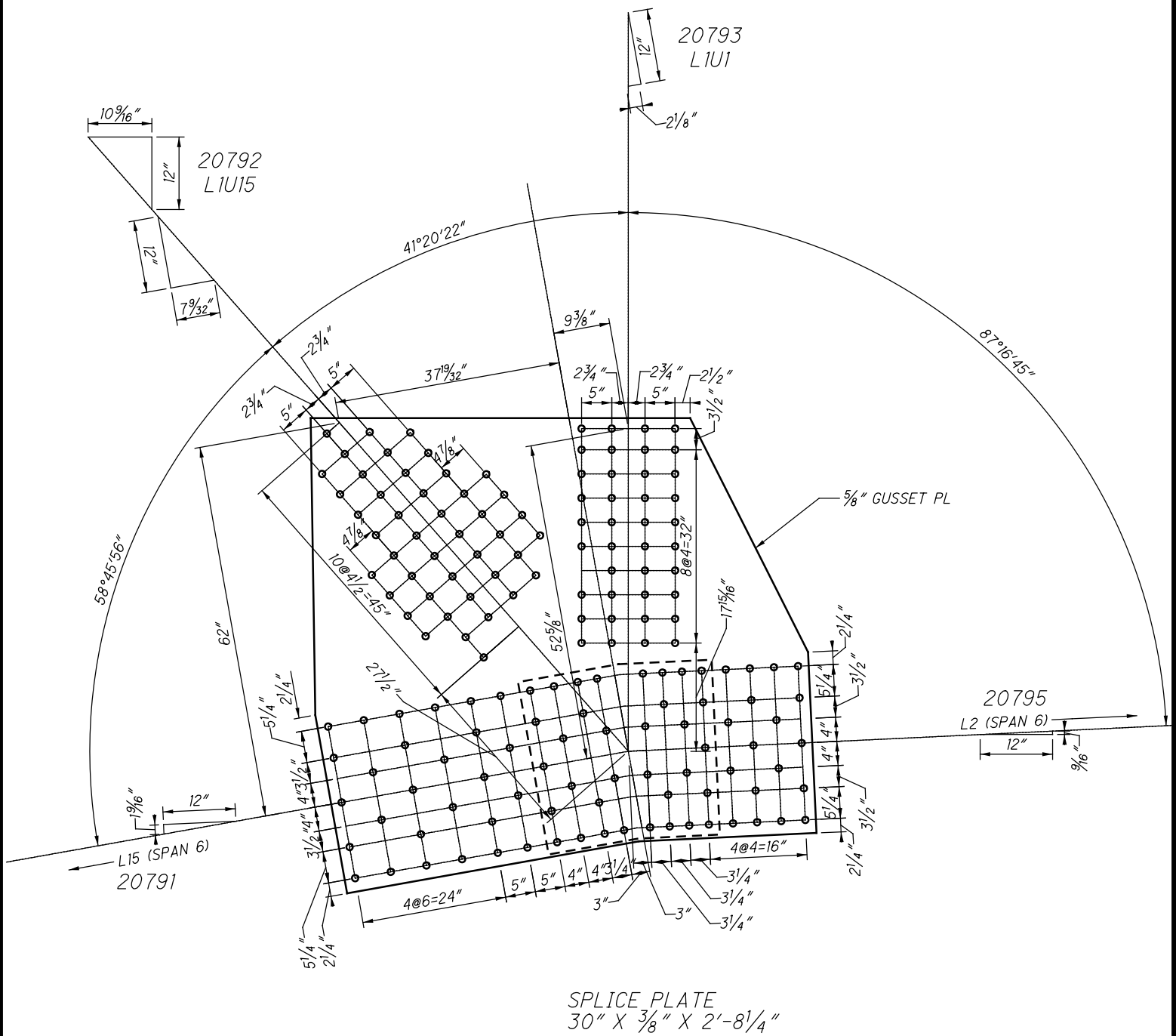
10825
U4U0

10822
U4L3

10823
U4L4



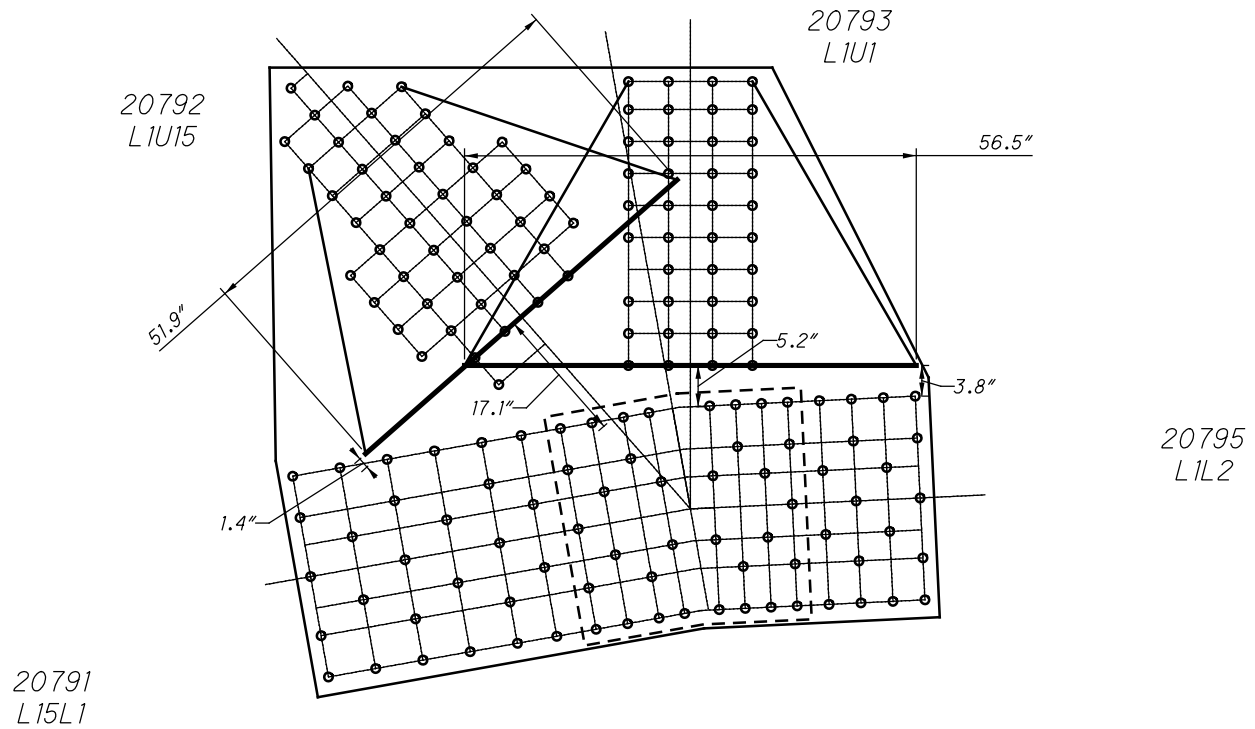
**U82 INSIDE (SPAN 13)
QUADRANT DIMENSIONS**



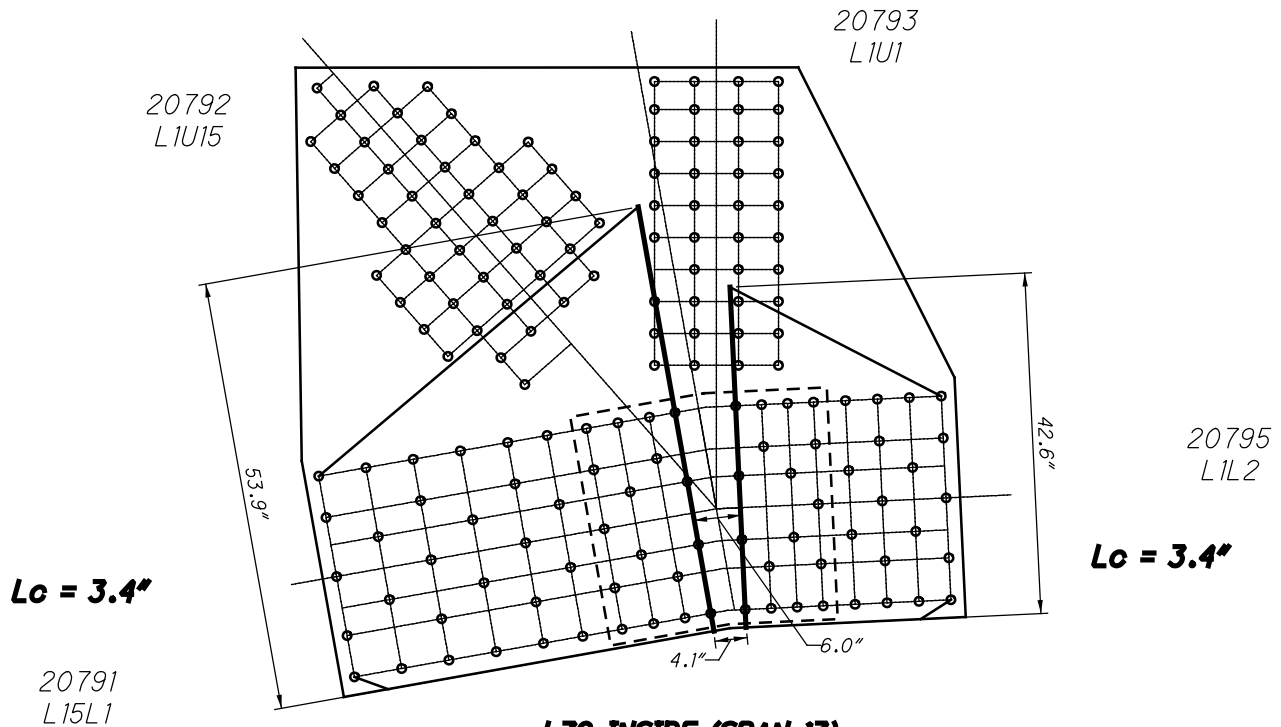
**L79 INSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**

$L_c = 6.2''$

$L_c = 3.0''$



**L79 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



$L_c = 3.4''$

$L_c = 3.4''$

**L79 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

36 RIVETS
x 2 PLATES
=72 RIVETS

39 RIVETS
x 2 PLATES
=78 RIVETS

44 RIVETS
x 2 PLATES
=88 RIVETS

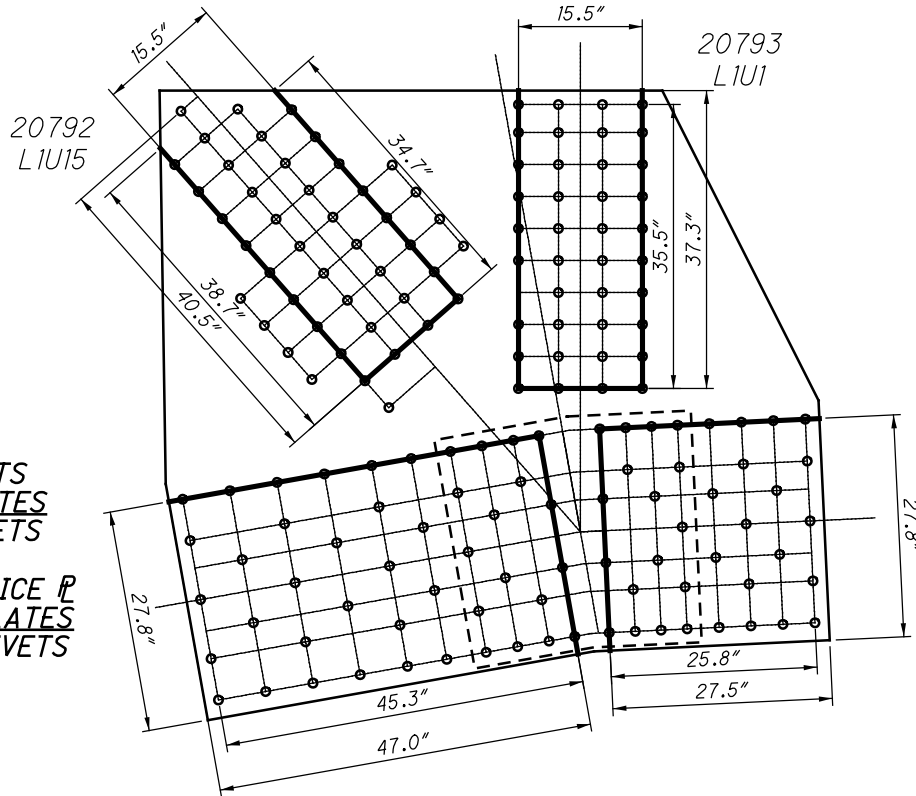
17 SPLICE P
x 2 PLATES
=34 RIVETS

20791
L15L1

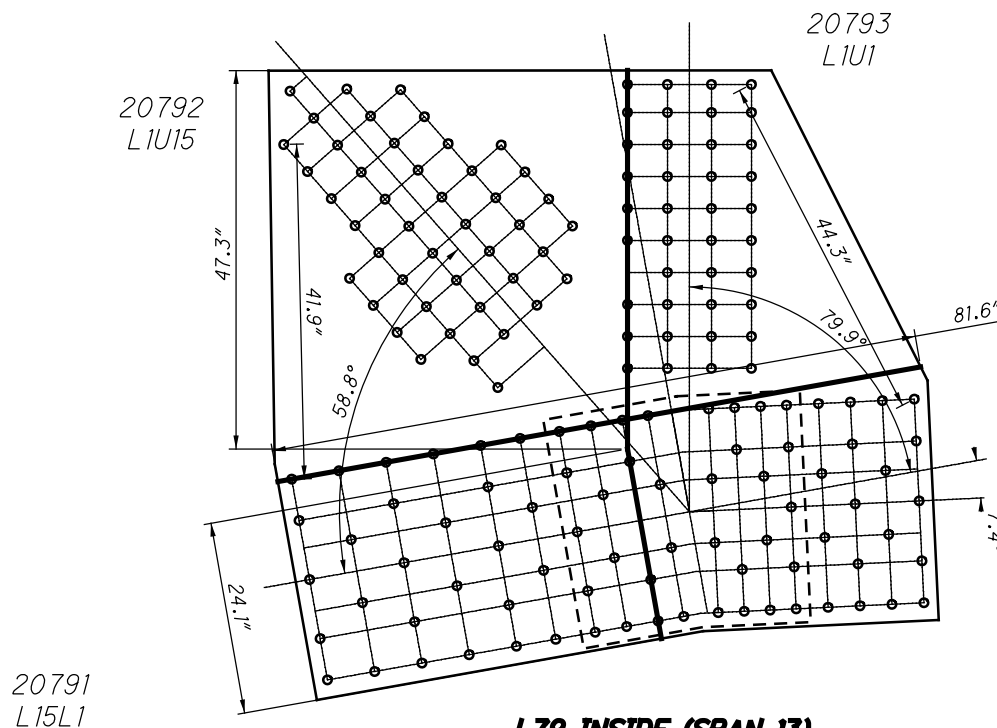
35 RIVETS
x 2 PLATES
=70 RIVETS

20795
L1L2

17 SPLICE P
x 2 PLATES
=34 RIVETS

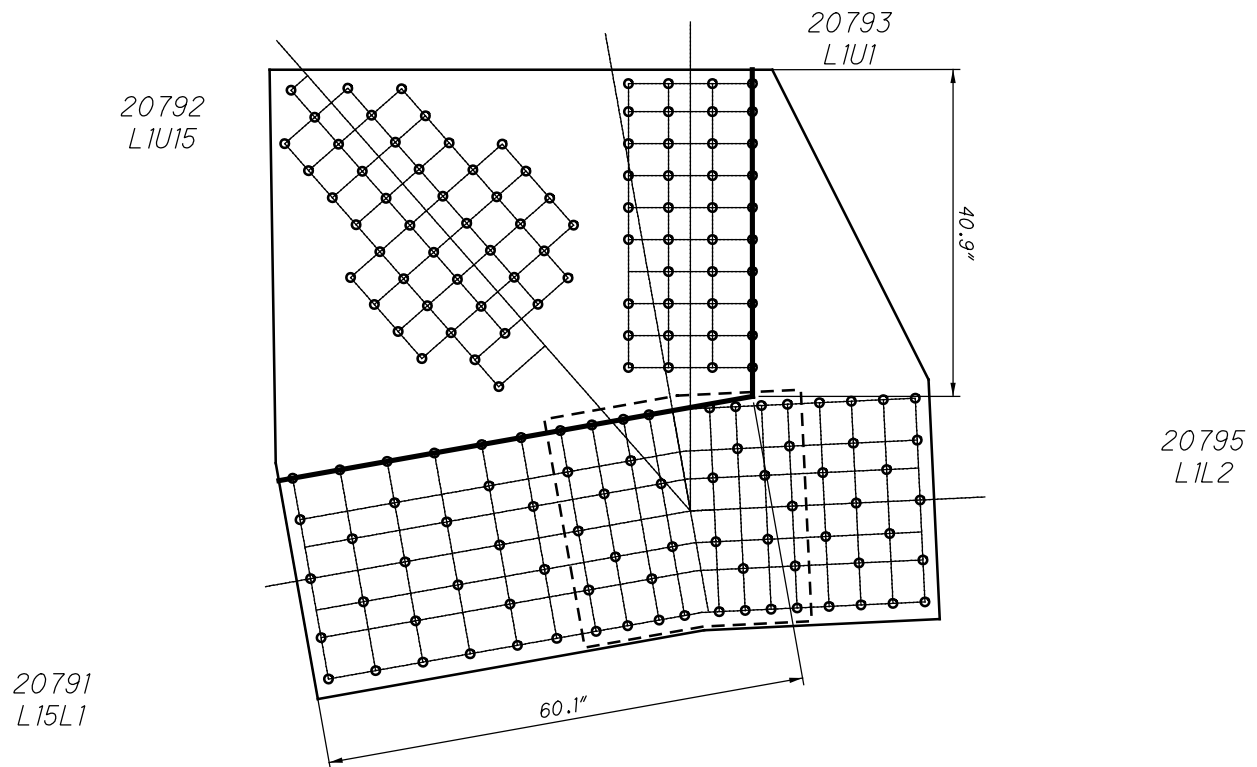


**L79 INSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

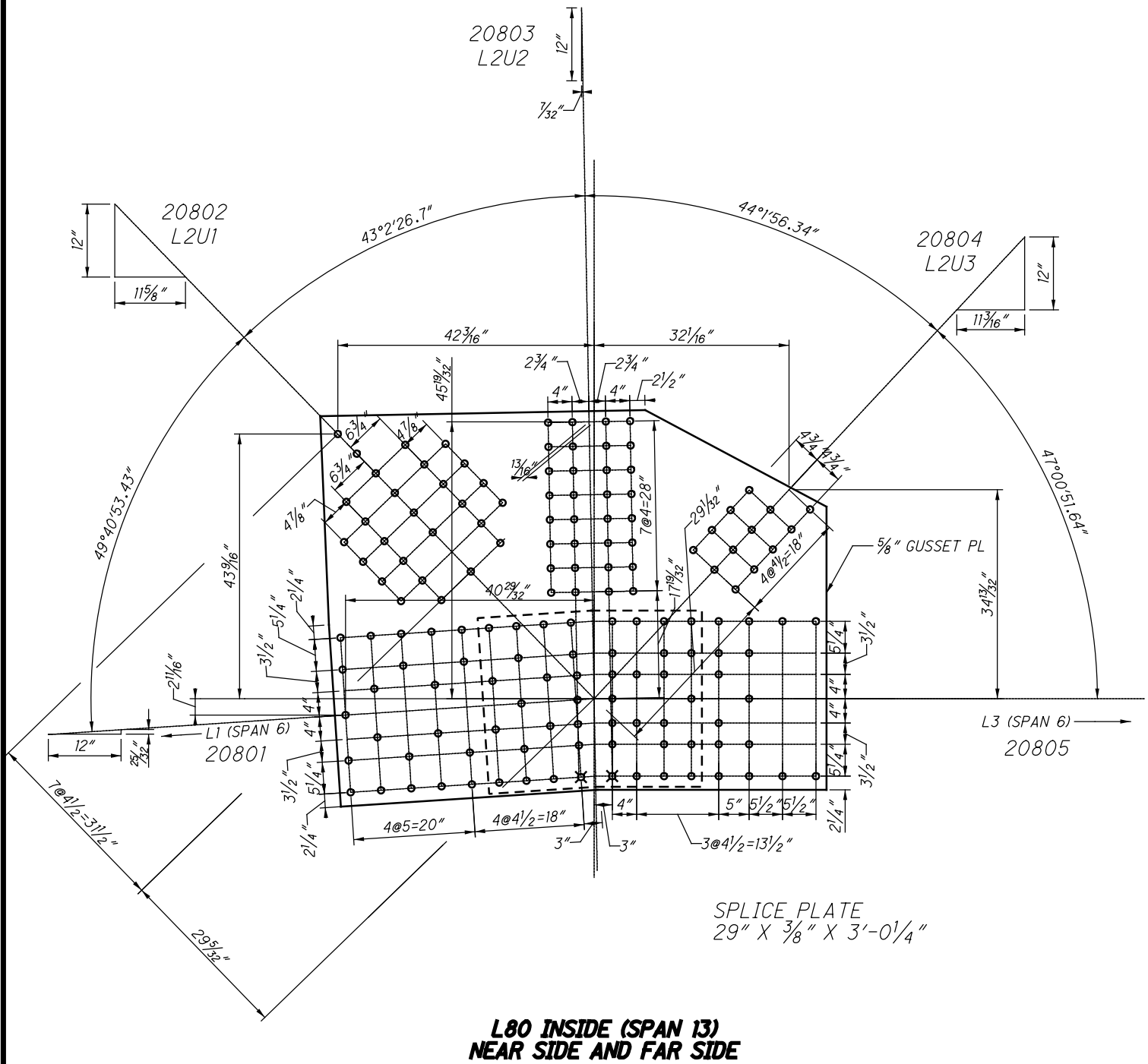


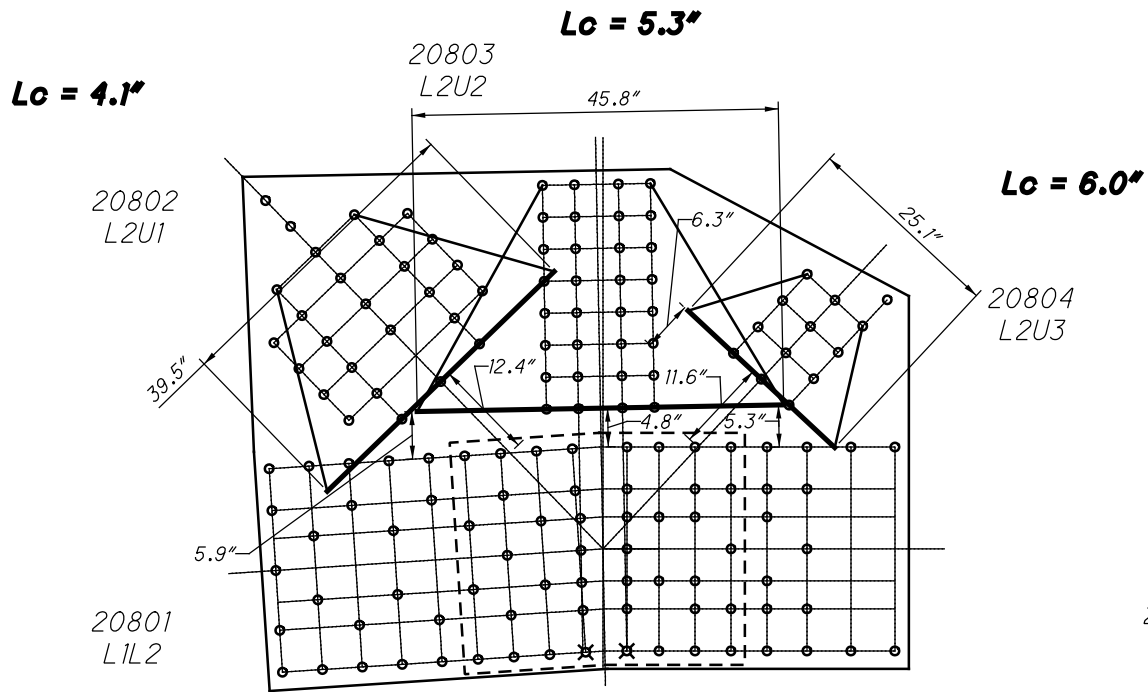
20795
L1L2

**L79 INSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**

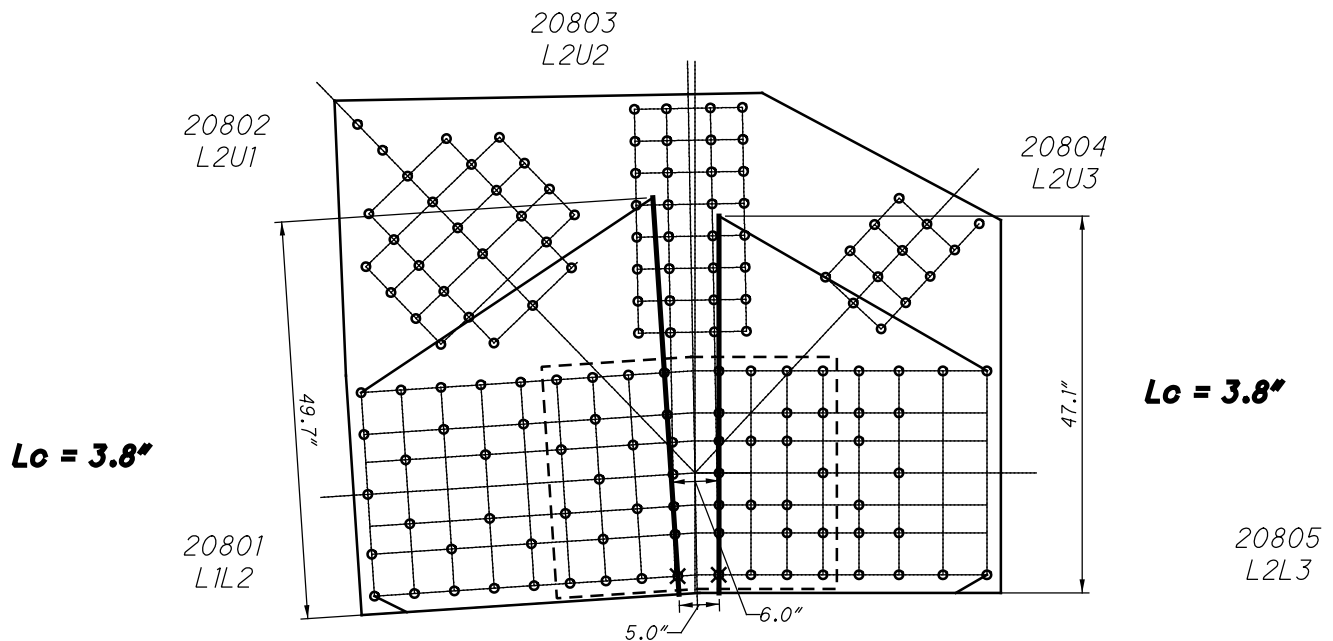


**L79 INSIDE (SPAN 13)
QUADRANT DIMENSIONS**





**L80 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L80 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

19 RIVETS
x 2 PLATES
=38 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

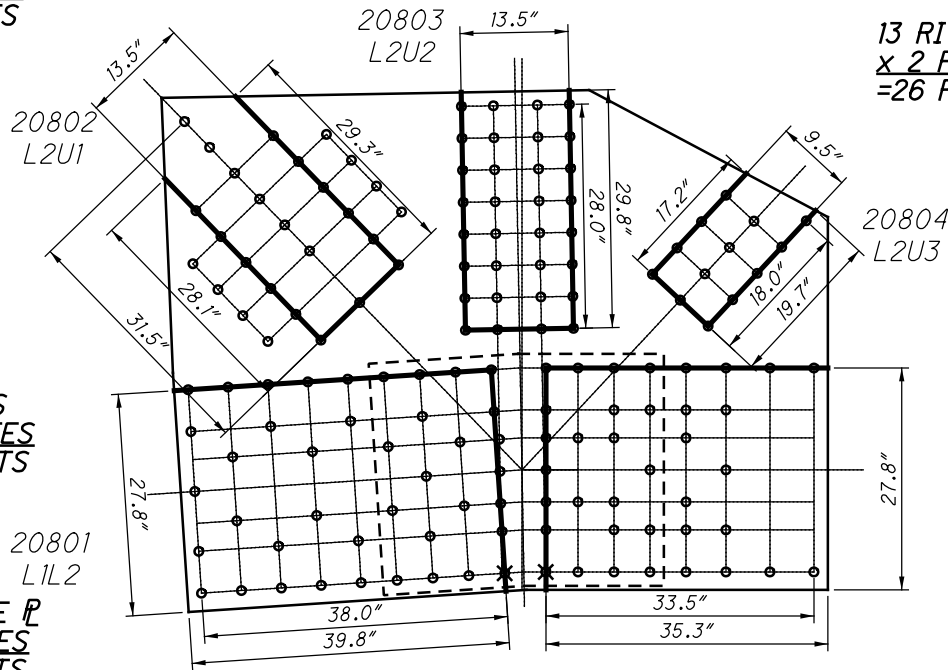
13 RIVETS
x 2 PLATES
=26 RIVETS

41 RIVETS
x 2 PLATES
=82 RIVETS

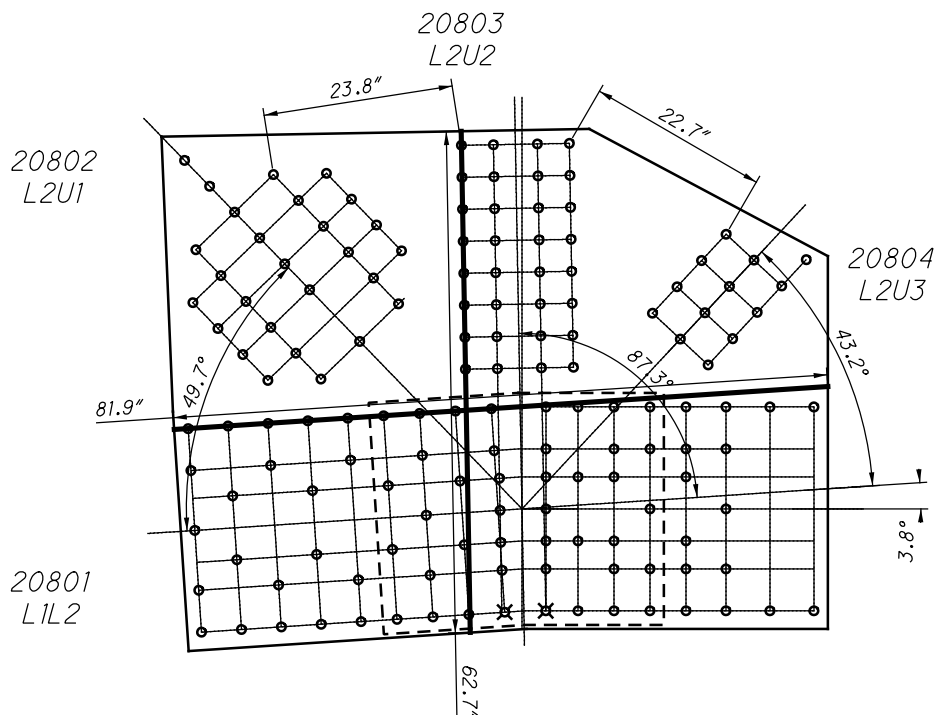
37 RIVETS
x 2 PLATES
=74 RIVETS

20 SPLICE P
x 2 PLATES
=40 RIVETS

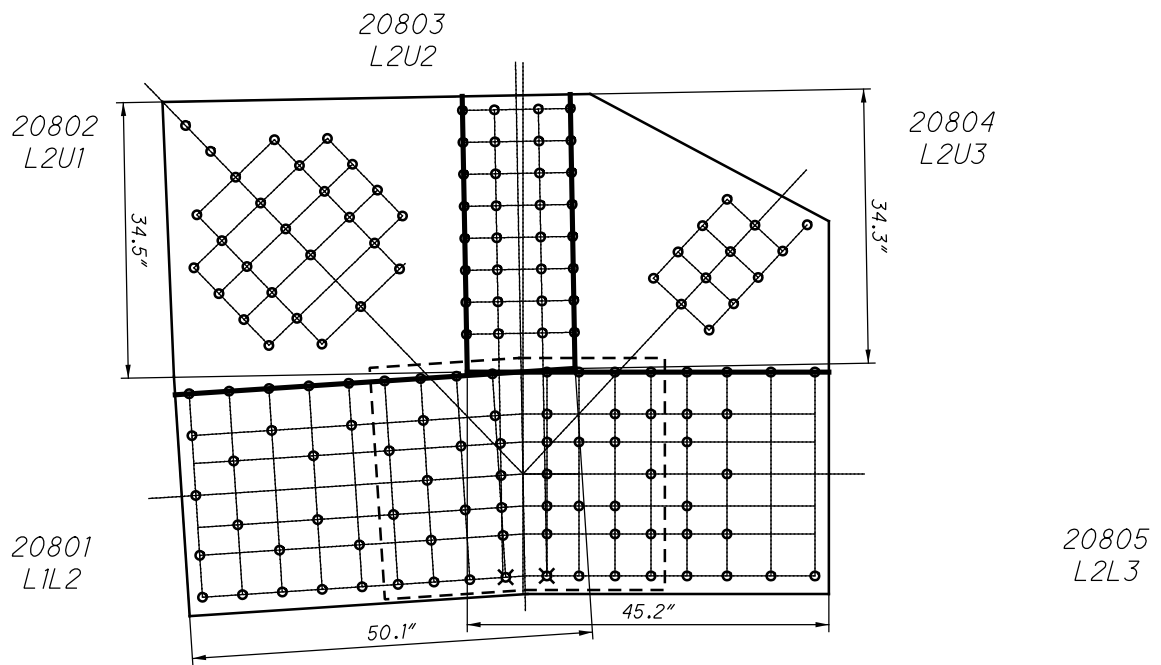
22 SPLICE P
x 2 PLATES
=44 RIVETS



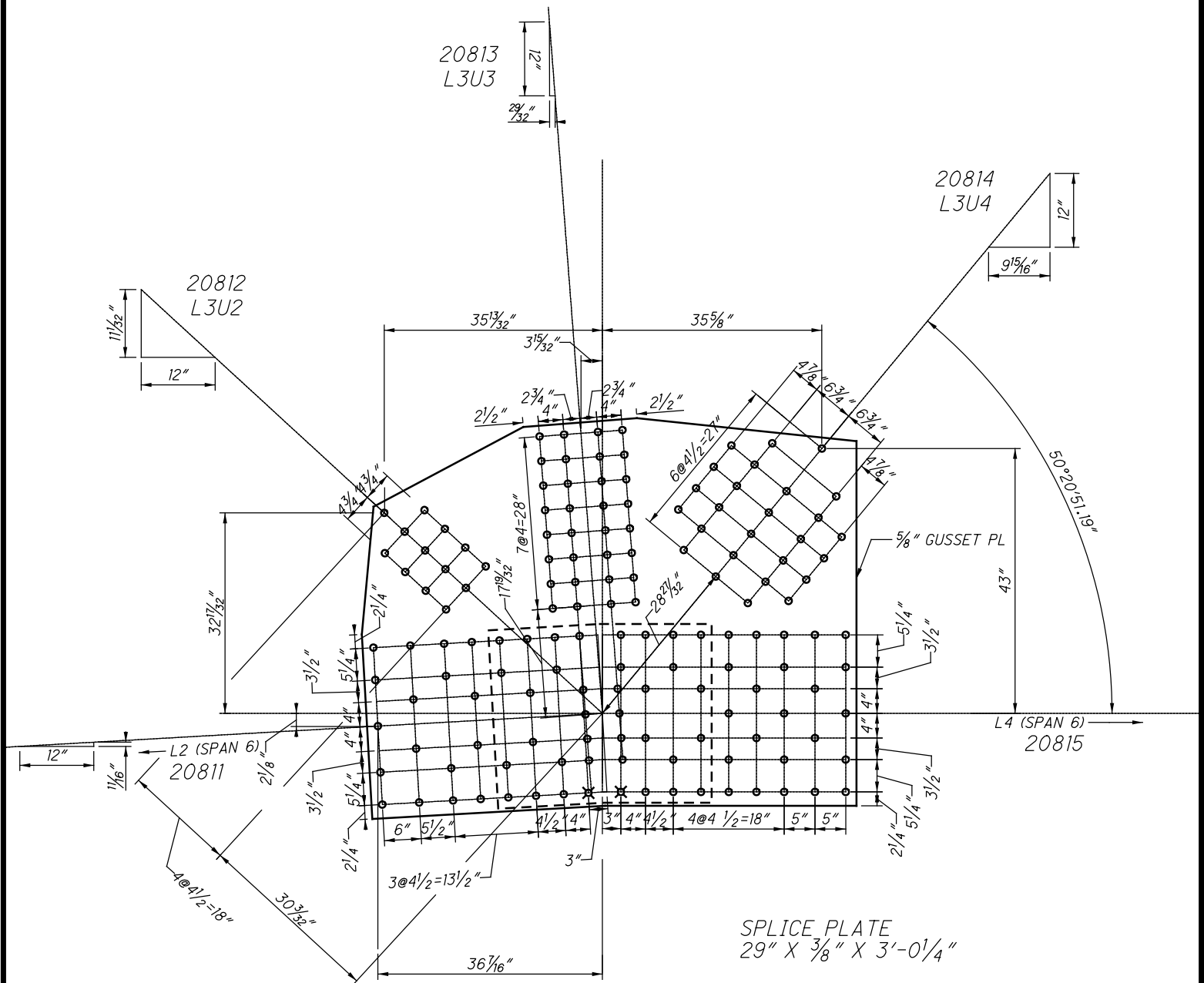
**L80 INSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L80 INSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**



**L80 INSIDE (SPAN 13)
QUADRANT DIMENSIONS**



**L81 INSIDE (SPAN 13)
(NEAR SIDE AND FAR SIDE)**

$L_c = 6.4"$

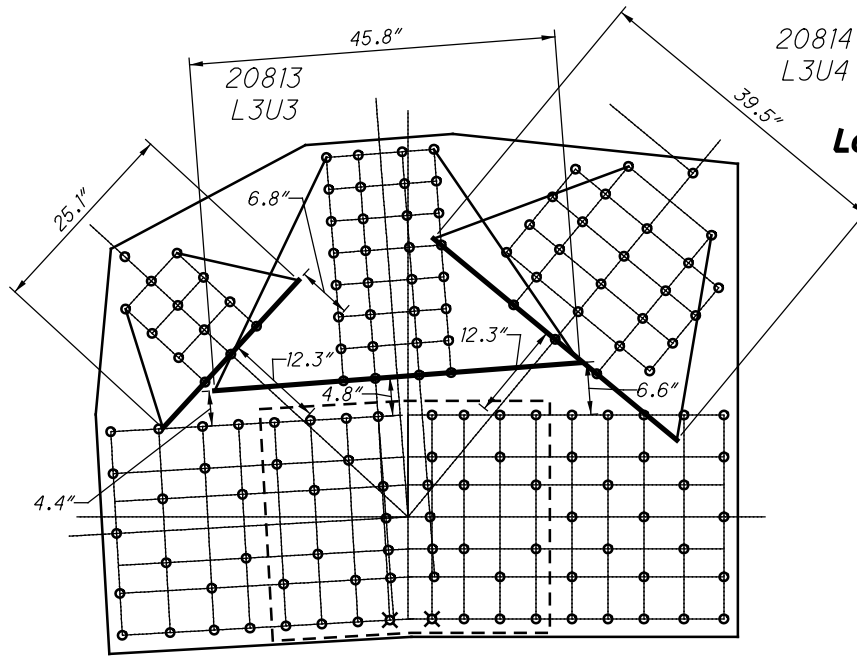
$L_c = 5.3"$

20814
L3U4

$L_c = 4.1"$

20811
L2L3

20815
L3L4



**L81 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 3.4"$

20813
L3U3

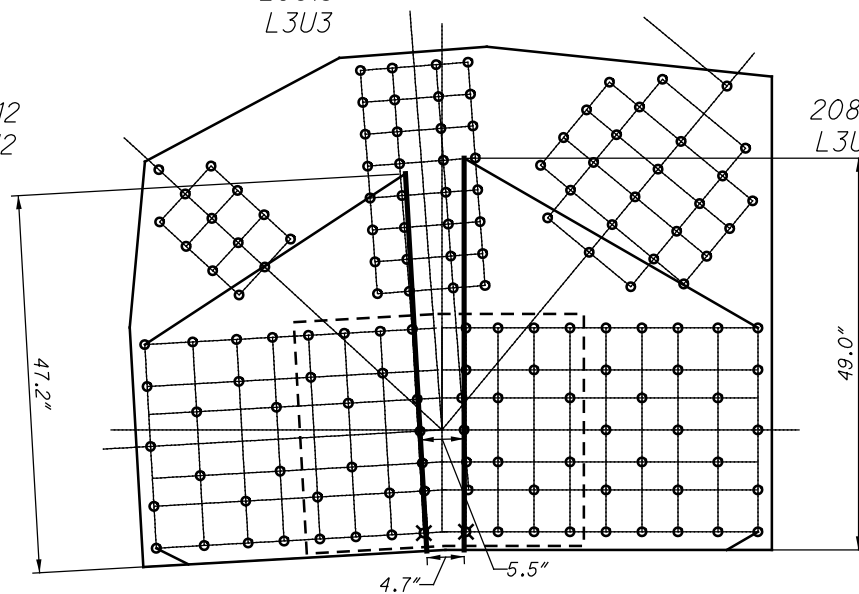
20812
L3U2

20814
L3U4

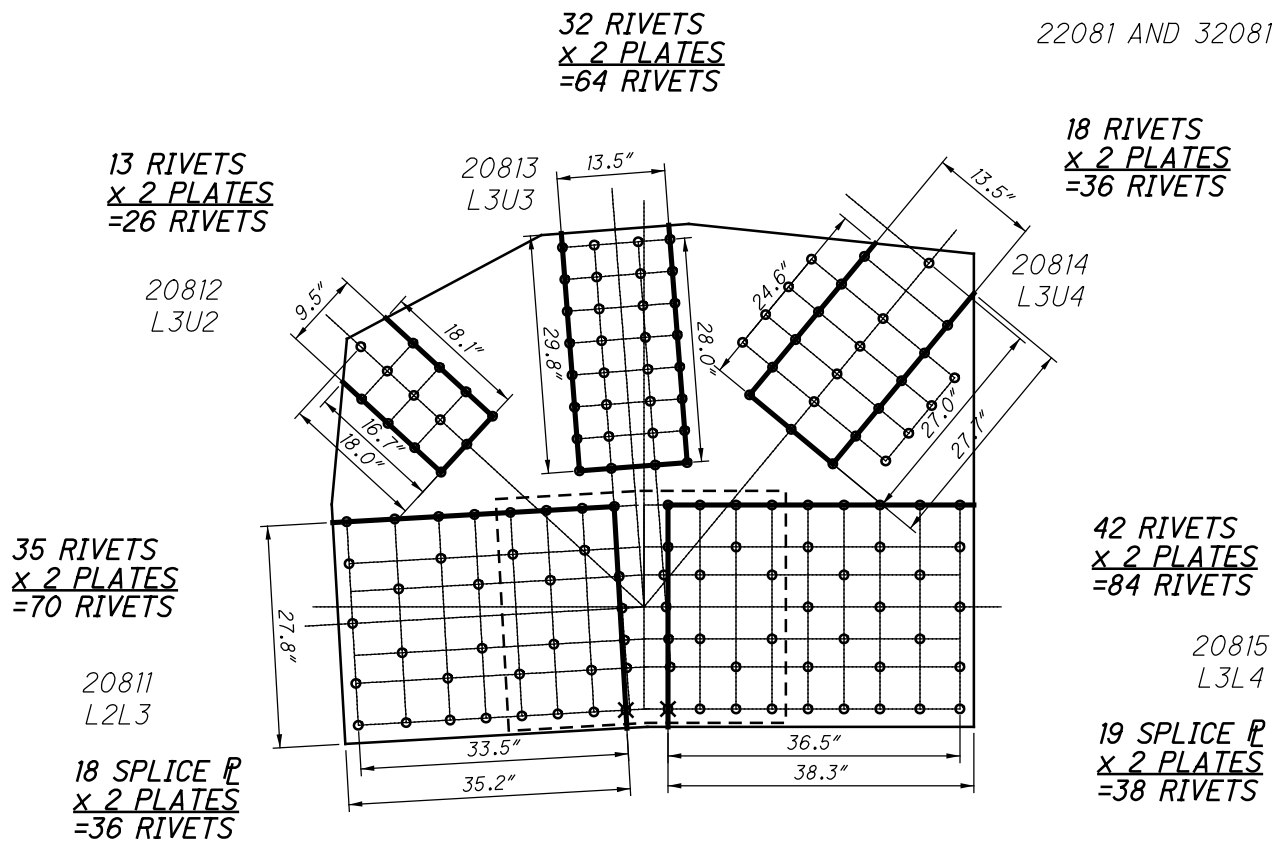
$L_c = 3.4"$

20811
L2L3

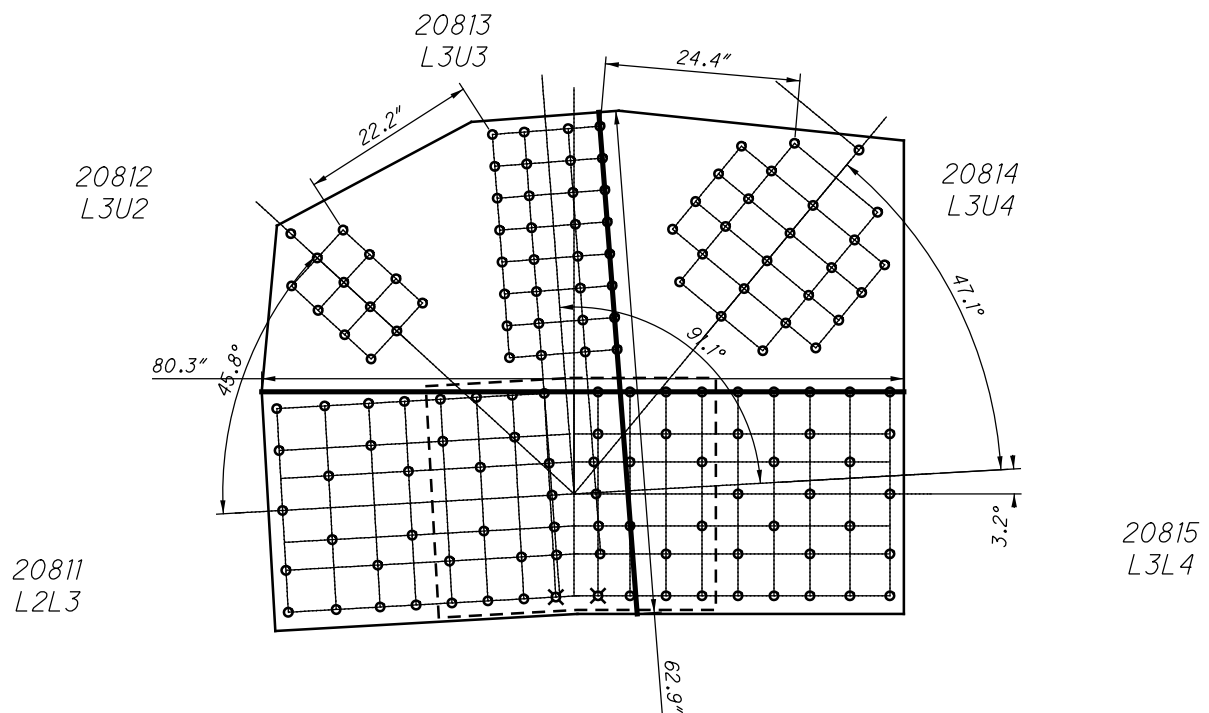
20815
L3L4



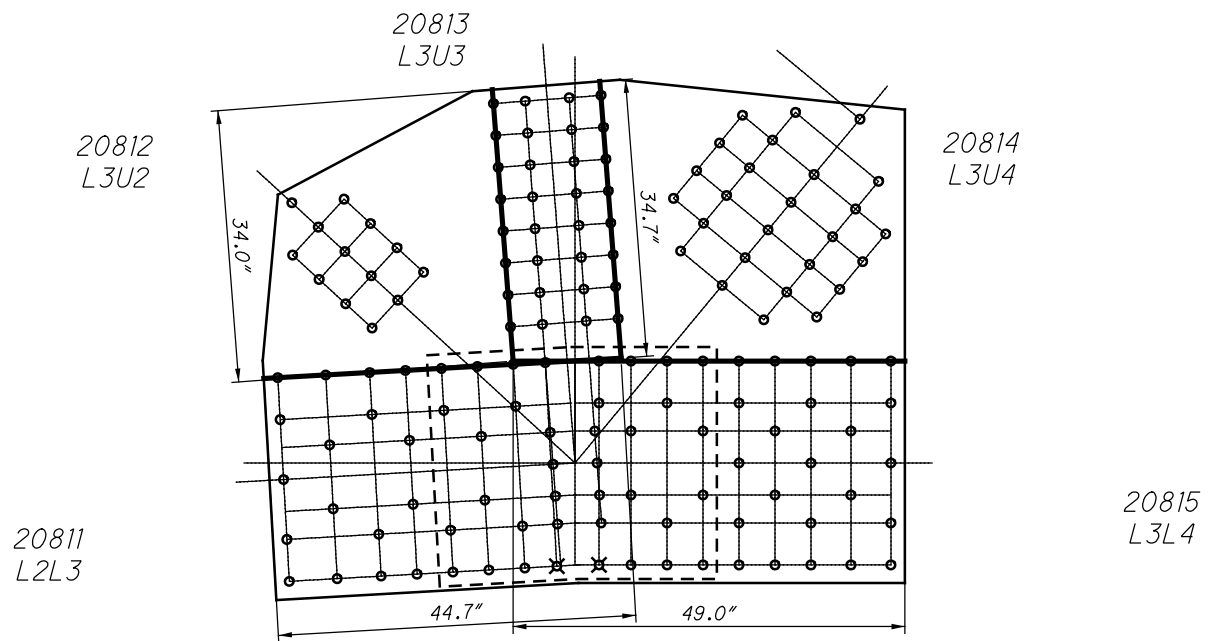
**L81 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



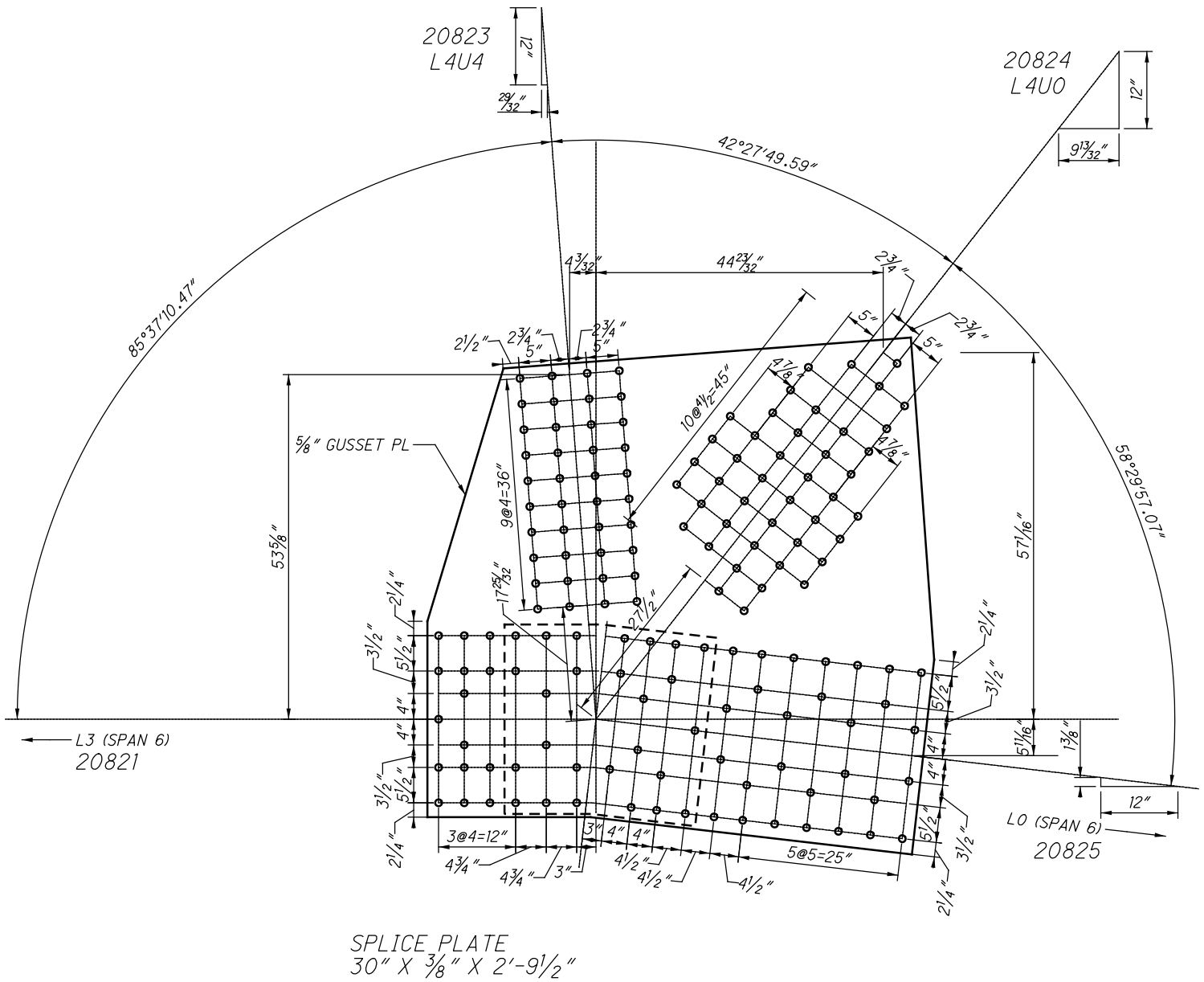
**L81 INSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L81 INSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**



**L81 INSIDE (SPAN 13)
QUADRANT DIMENSIONS**



**L82 INSIDE (SPAN 13)
NEAR SIDE AND FAR SIDE**

$L_c = 2.5"$

20823
L4U4

$L_c = 4.1"$

20824
L4U0

53.3"

57.1"

4.7"

12.3"

2.8"

20821
L3L4

20825
L4L0

**L82 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

20823
L4U4

20824
L4U0

$L_c = 3.4"$

20821
L3L4

40.7"

55.1"

$L_c = 3.4"$

20825
L4L0

4.3"

6.0"

**L82 INSIDE (SPAN 13)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

40 RIVETS
x 2 PLATES
=80 RIVETS

20823
L4U4

22082 AND 32082

20824
L4U0

36 RIVETS
x 2 PLATES
=72 RIVETS

27 RIVETS
x 2 PLATES
=54 RIVETS

20821
L3L4

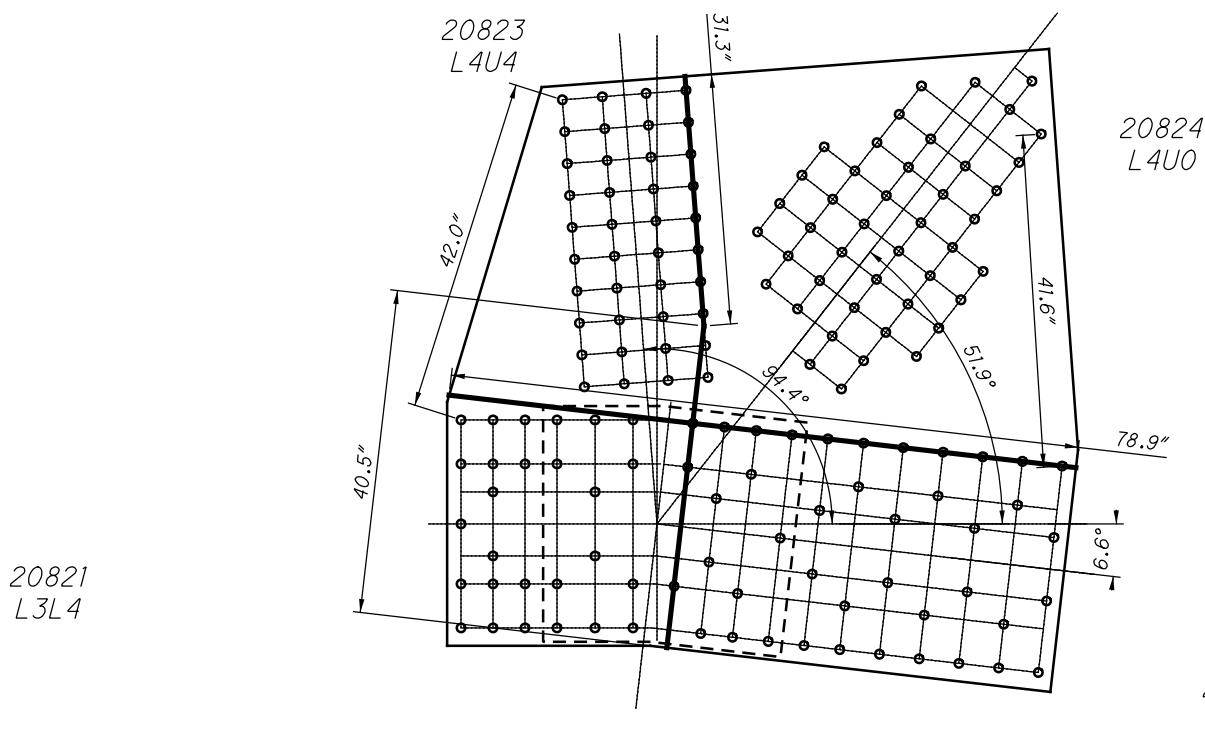
12 SPLICE P
x 2 PLATES
=24 RIVETS

42 RIVETS
x 2 PLATES
=84 RIVETS

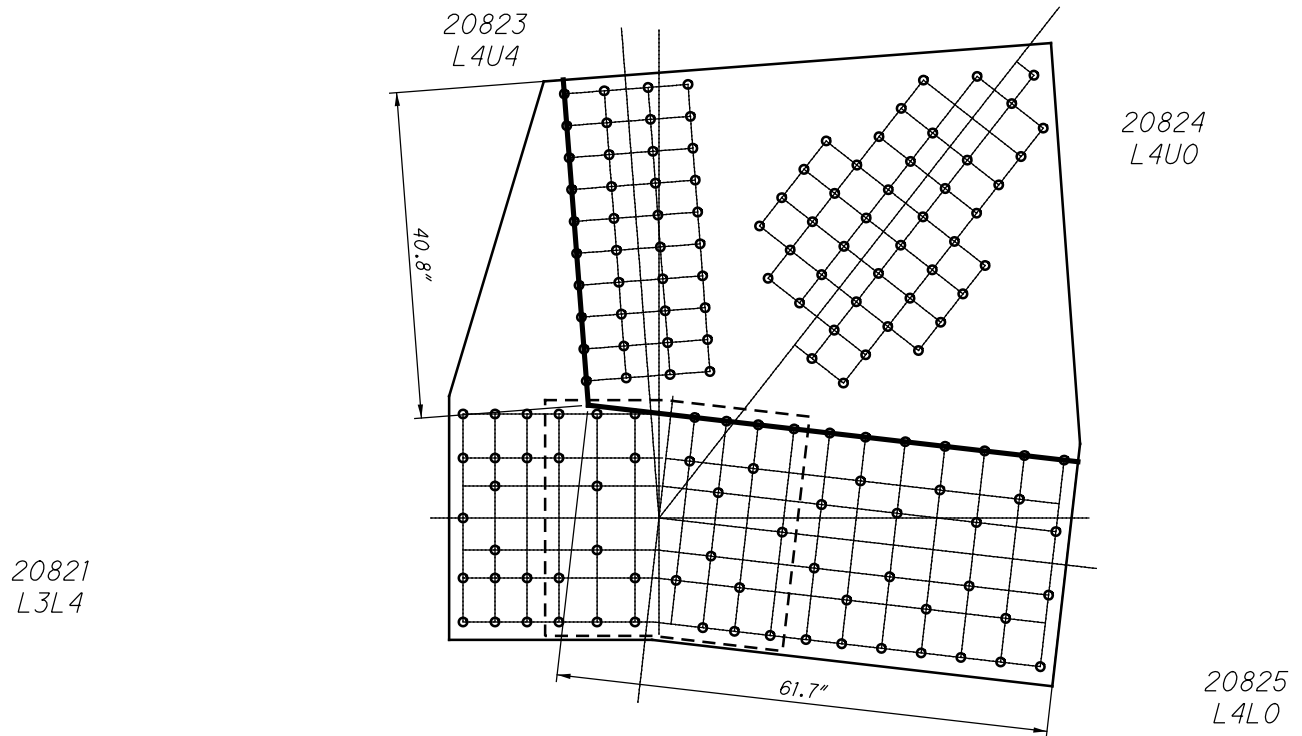
14 SPLICE P
x 2 PLATES
=28 RIVETS

20825
L4L0

**L82 INSIDE (SPAN 13)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L82 INSIDE (SPAN 13)
SHEAR AND FREE EDGE CHECK**



**L82 INSIDE (SPAN 13)
QUADRANT DIMENSIONS**

**SPAN 14 GUSSET PLATES
LORAIN CARNEGIE**

CHECKED: _____

DATE: _____

LEGEND

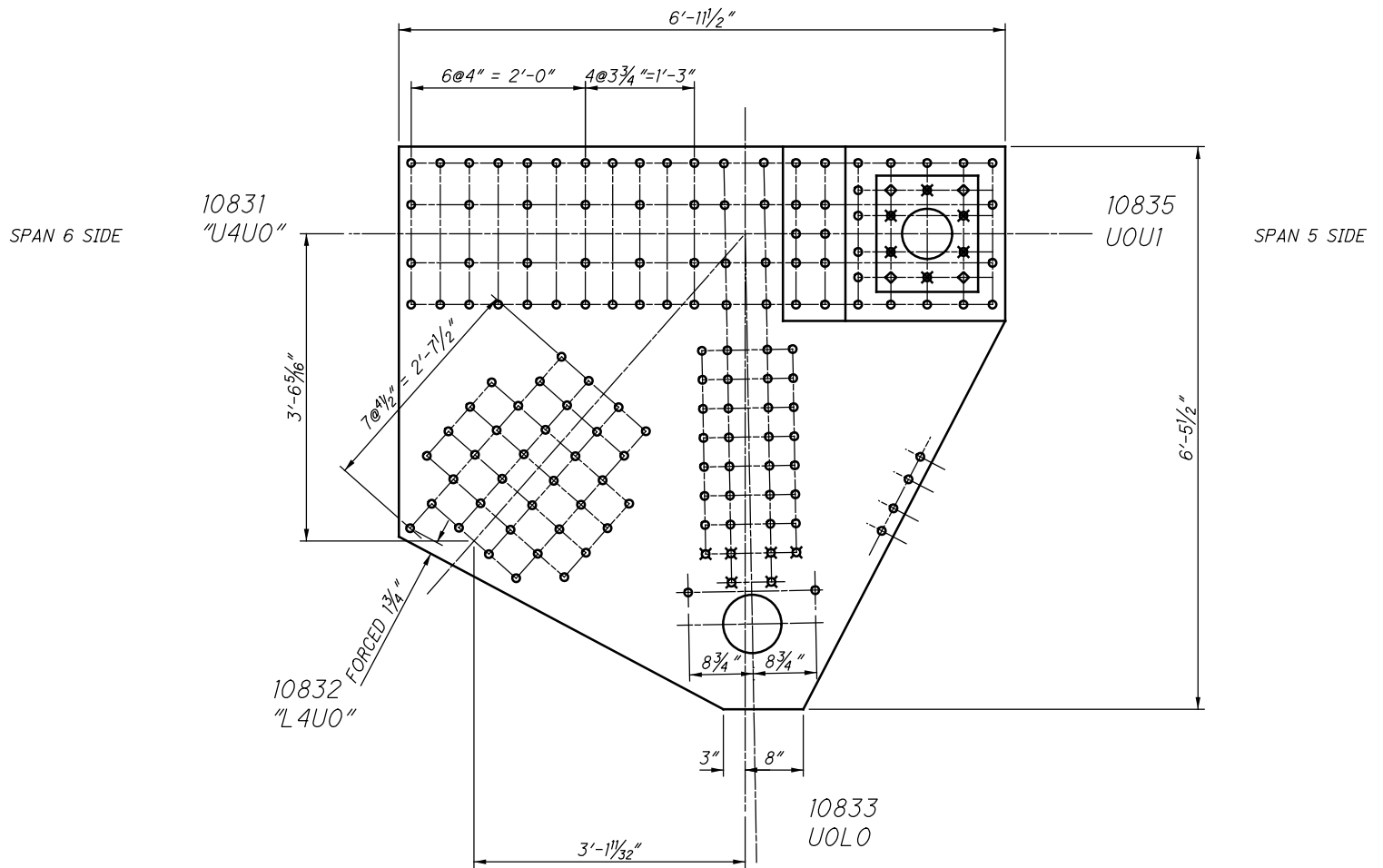
- 1 $\frac{1}{16}$ " HOLES TYPICAL
- ◊ 1 $\frac{1}{16}$ " HOLES FOR TAP BOLTS - PIN KEEPER PLATES
USE FOR PLATE NET SECTION ONLY
- ⌘ COUNTERSUNK ONE (NEAR) SIDE, BOTH PLATES
- COUNTERSUNK ONE (FAR) SIDE, BOTH PLATES

NOTES:

ALL EDGE DISTANCES ARE 1 $\frac{3}{4}$ "
UNLESS NOTED OTHERWISE (OR
DICTATED BY PLATE AND MEMBER
PLACEMENT).

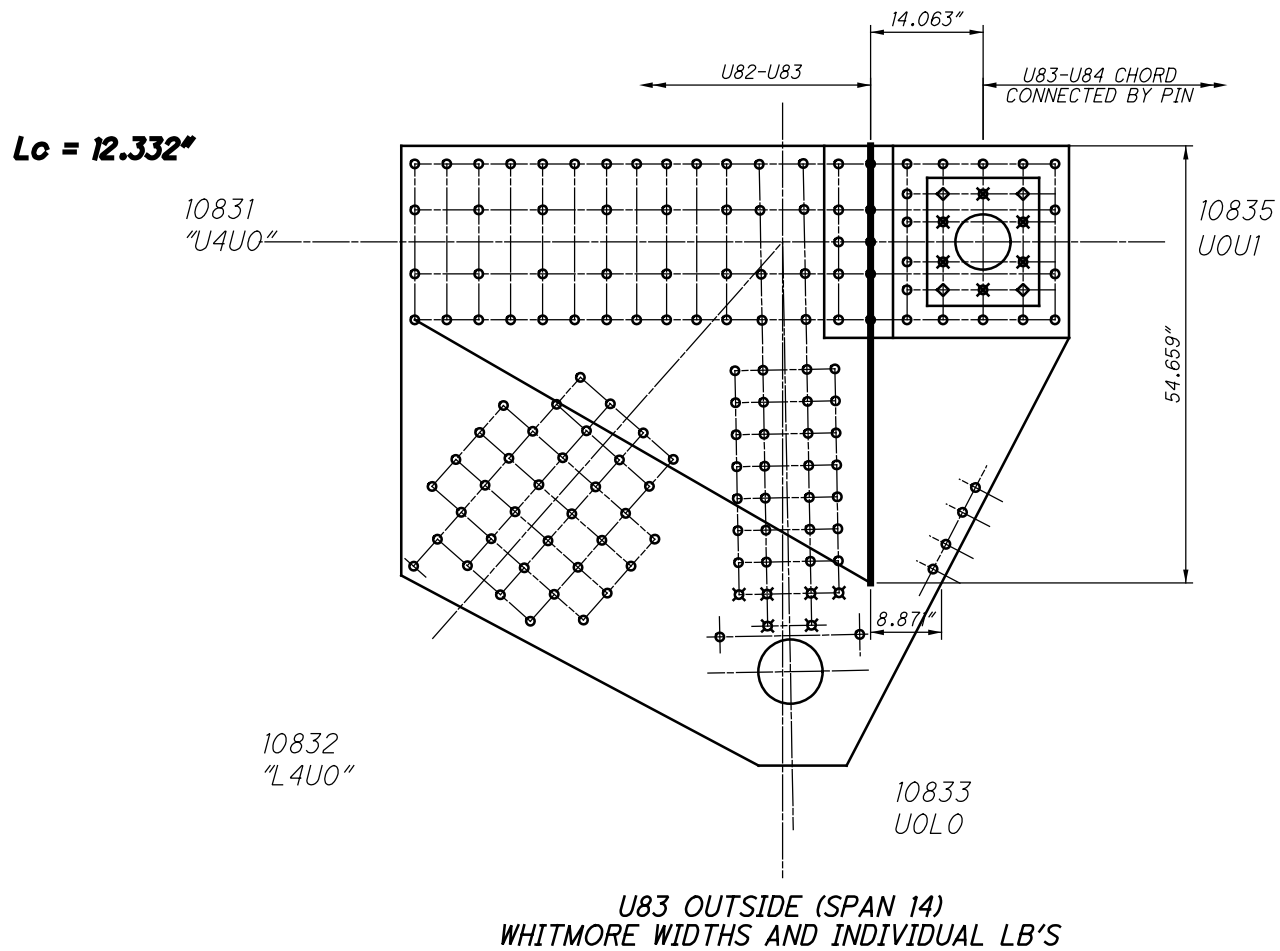
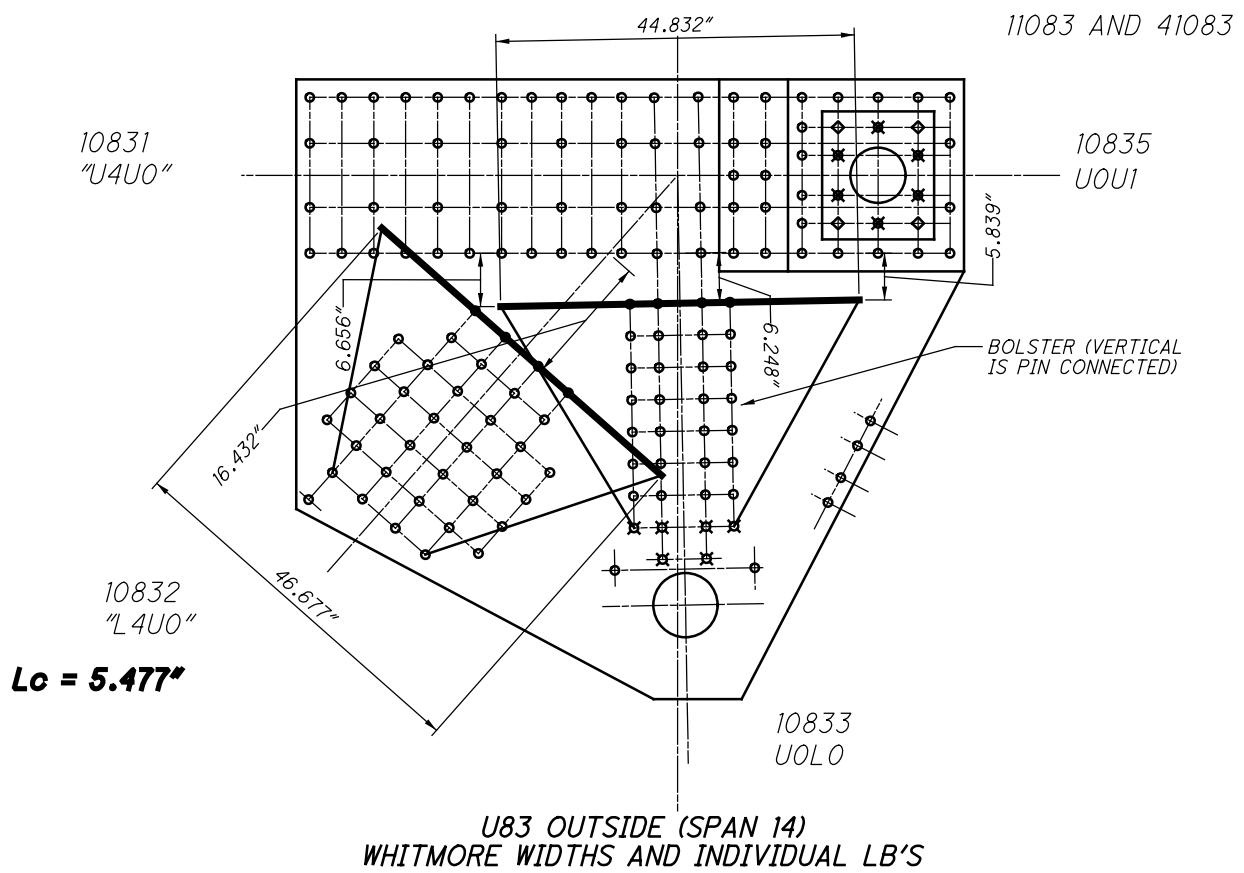
ALL GUSSET PLATES ARE COPPER
BEARING SILICON STEEL

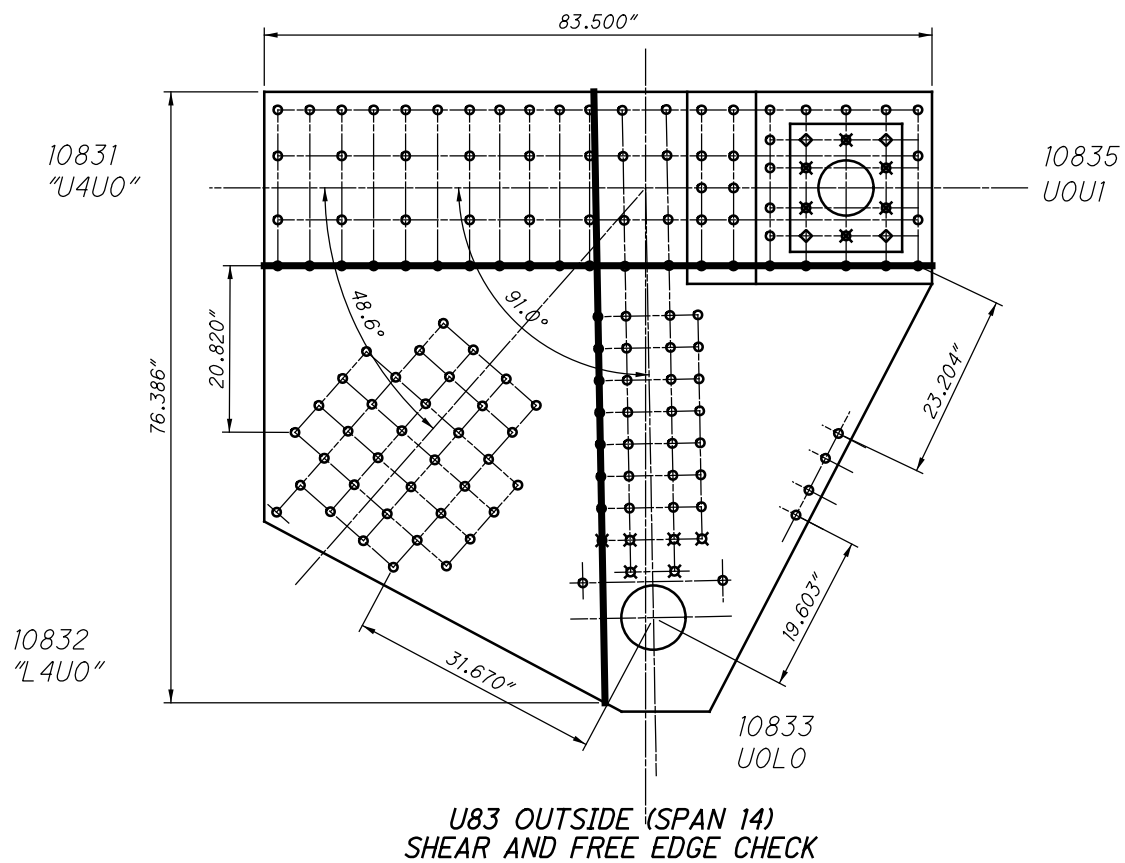
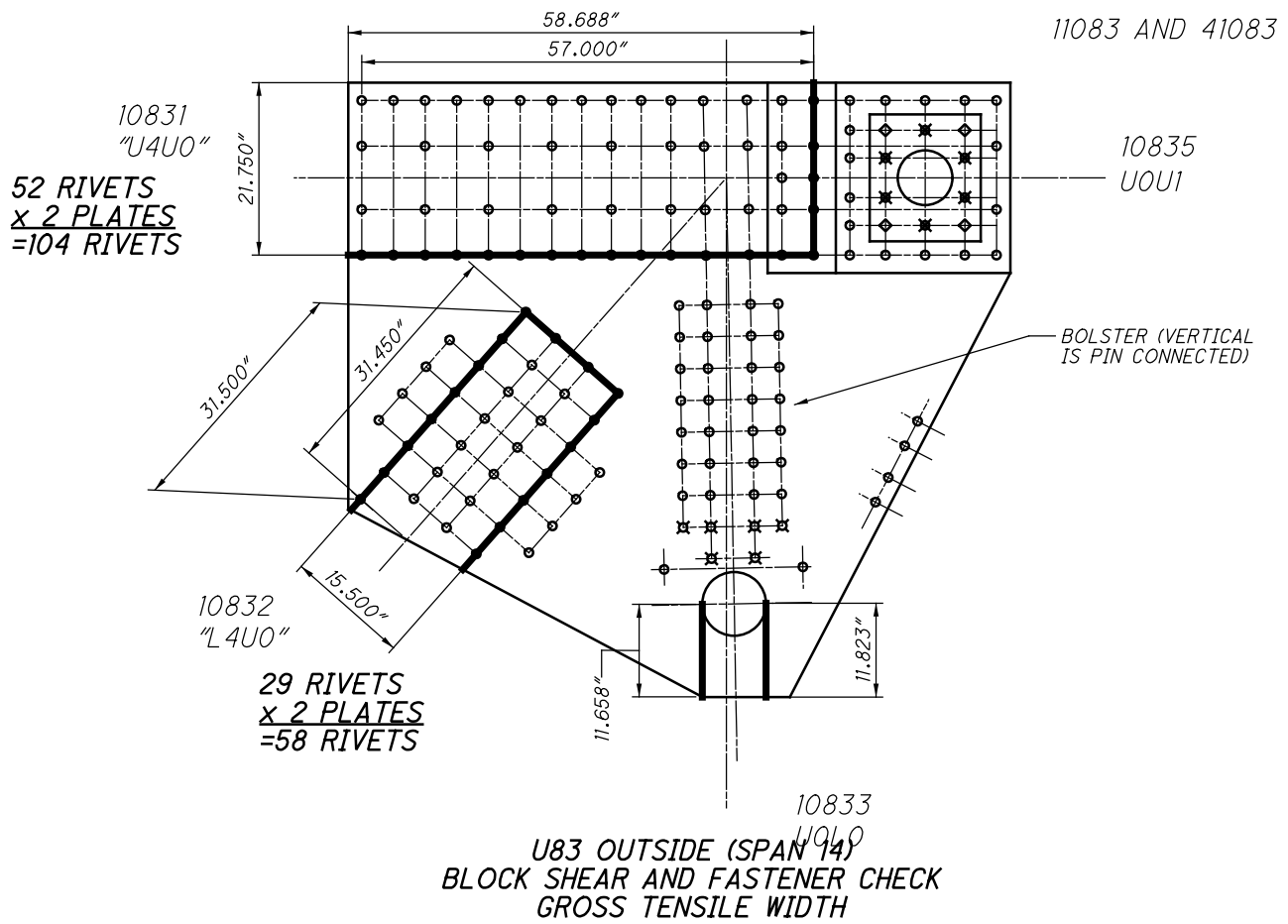
ALL GUSSETS ARE $\frac{5}{8}$ " THICK, EXCEPT
U0, L0, L2, L3, L11, L12 AND L14 WHICH
ARE $\frac{3}{4}$ " THICK AT THE INSIDE AND
OUTSIDE TRUSSES.

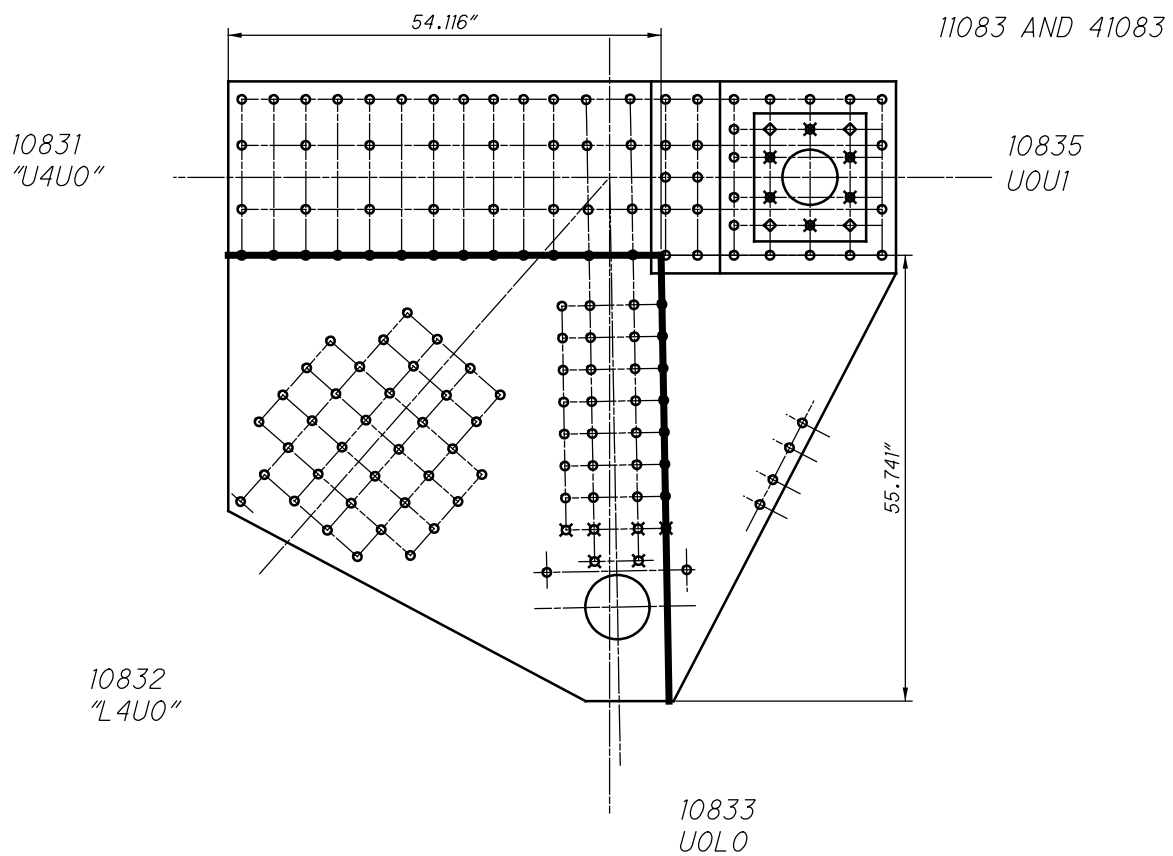


U83 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

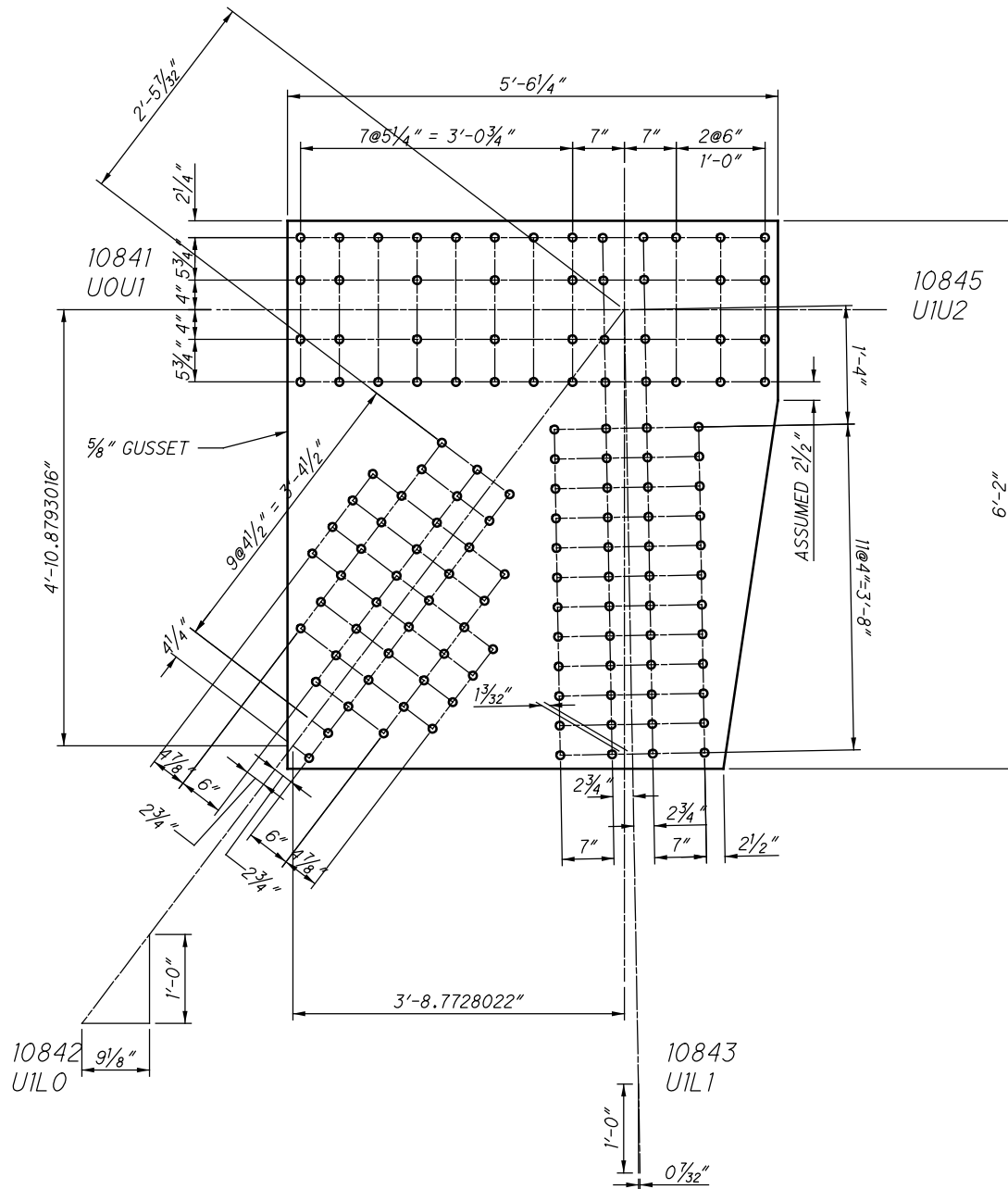
ON SAME SHOP DRAWING



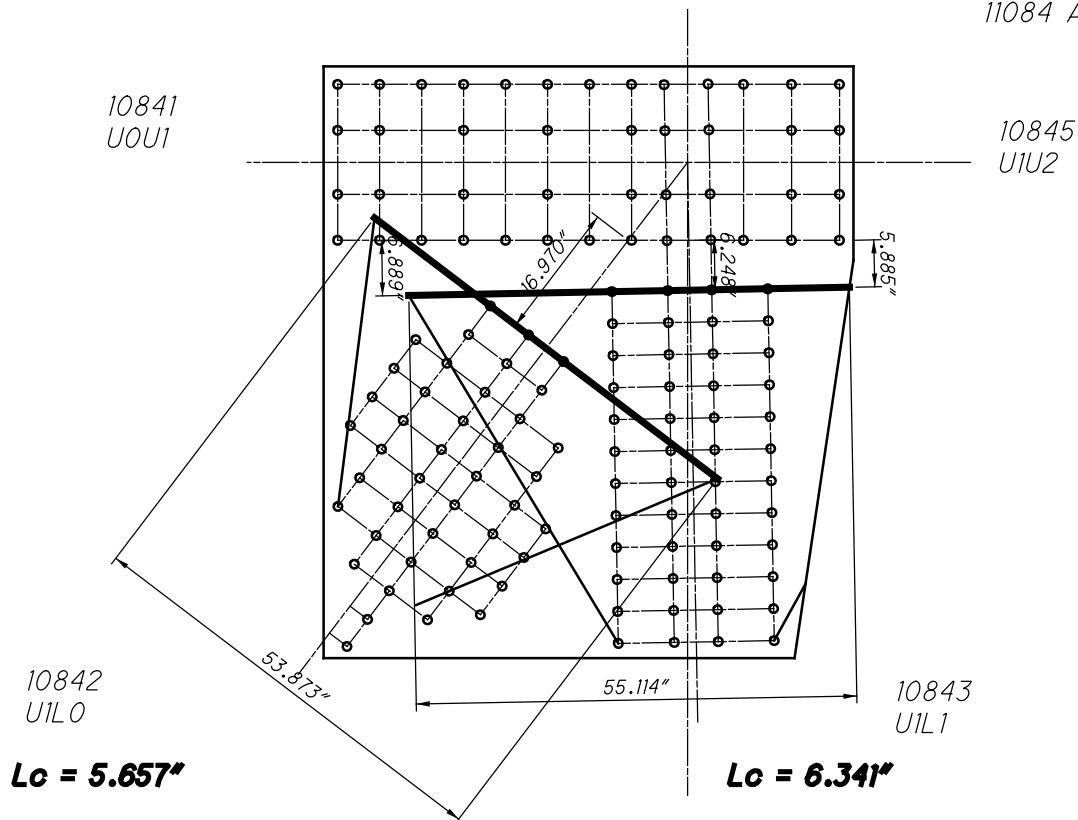




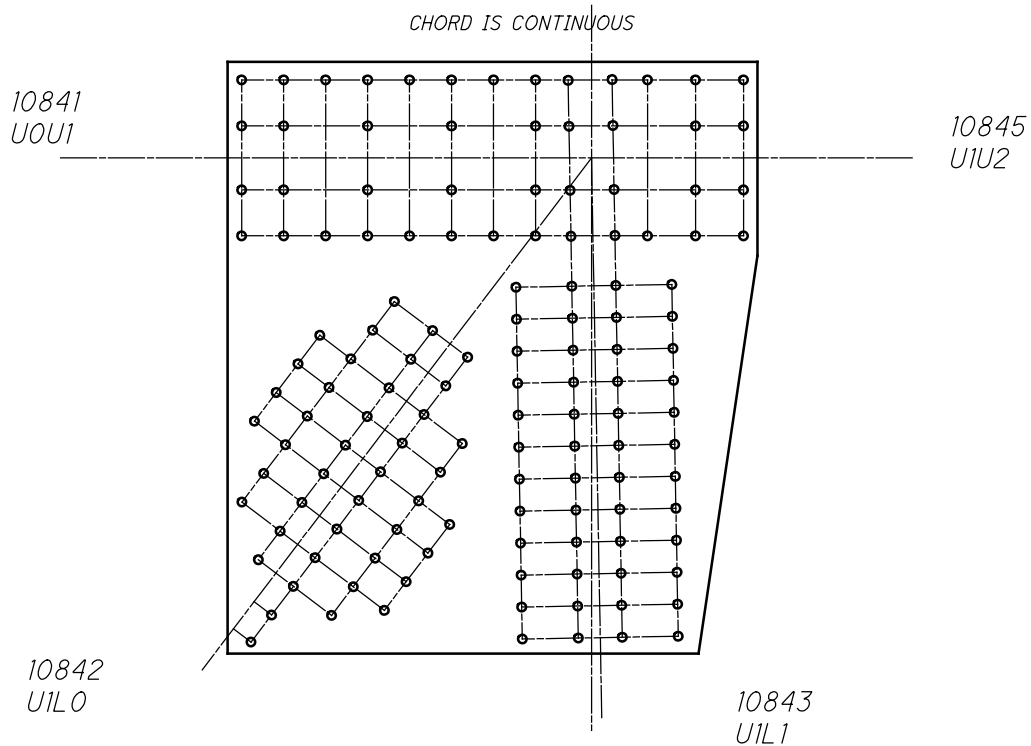
U83 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



U84 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE).



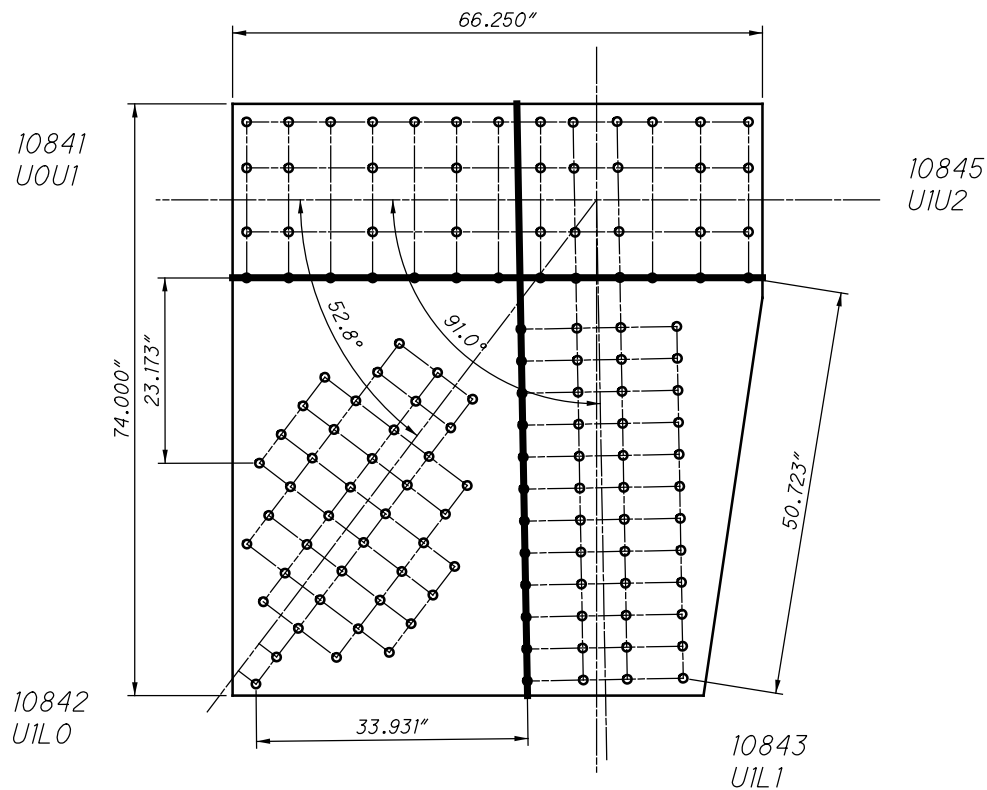
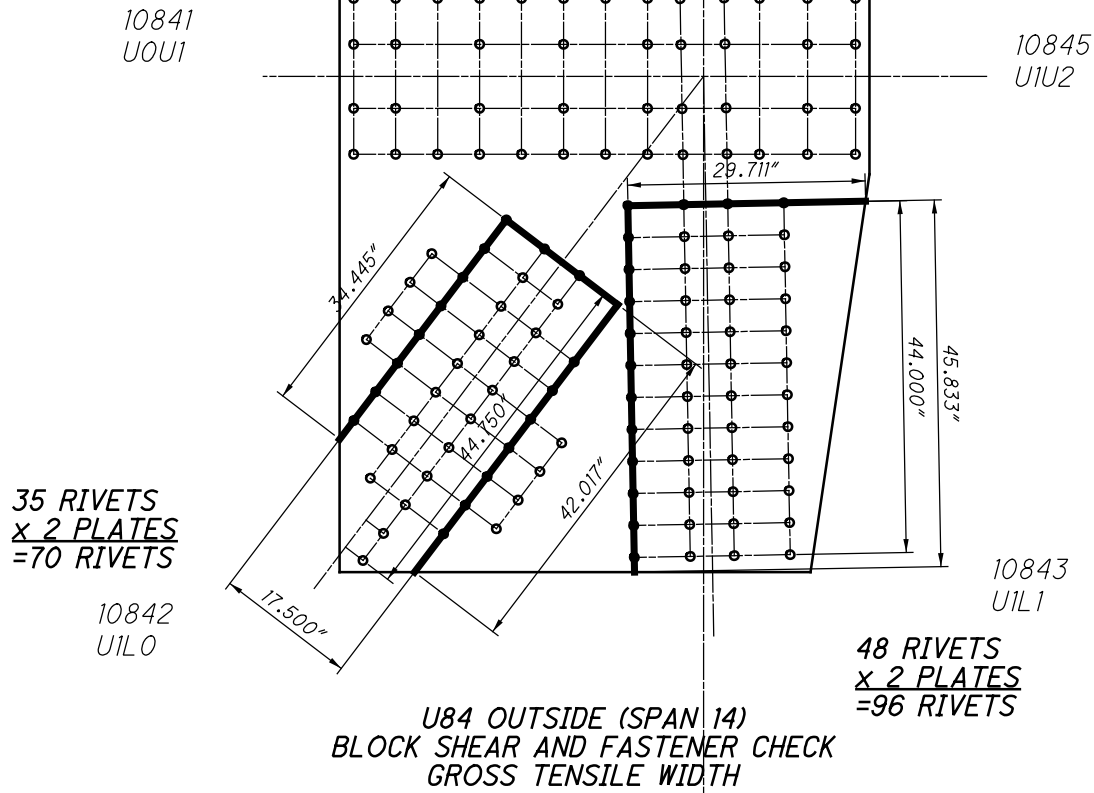
U84 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

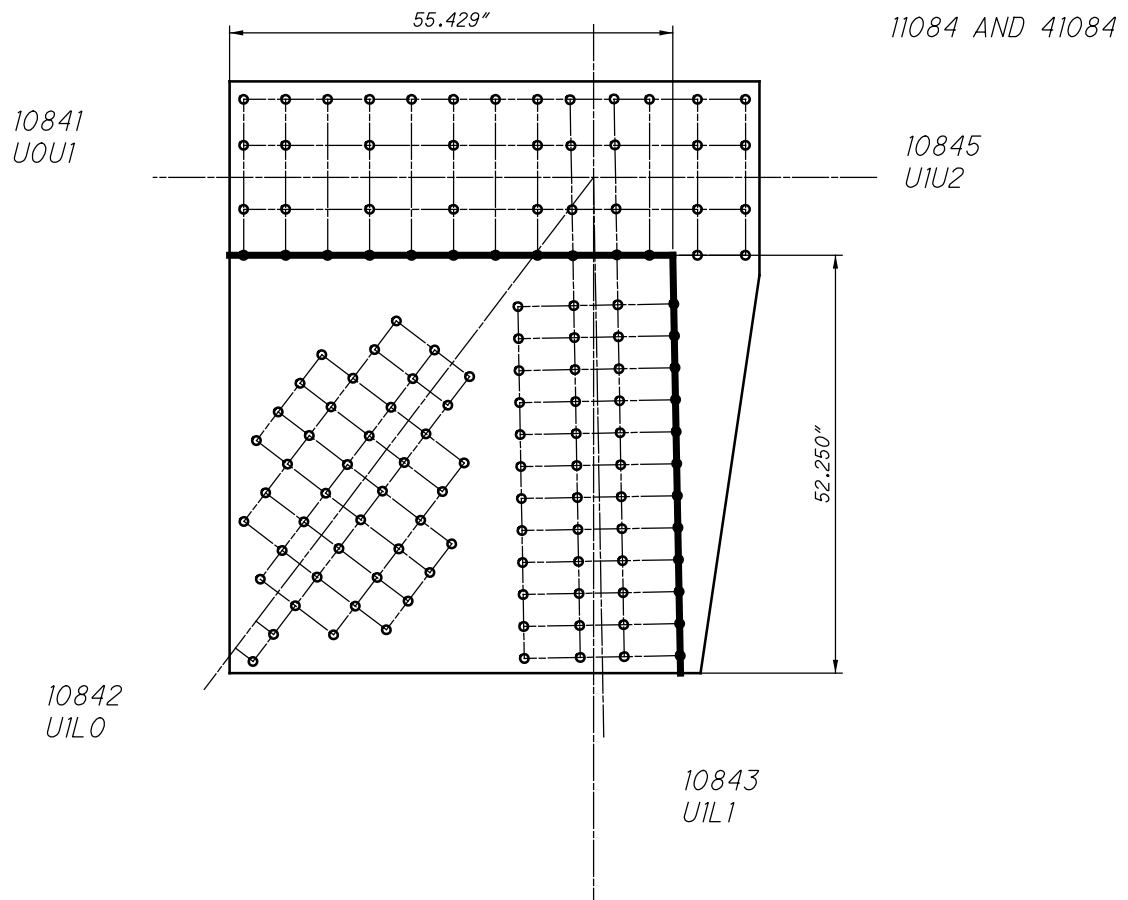


U84 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

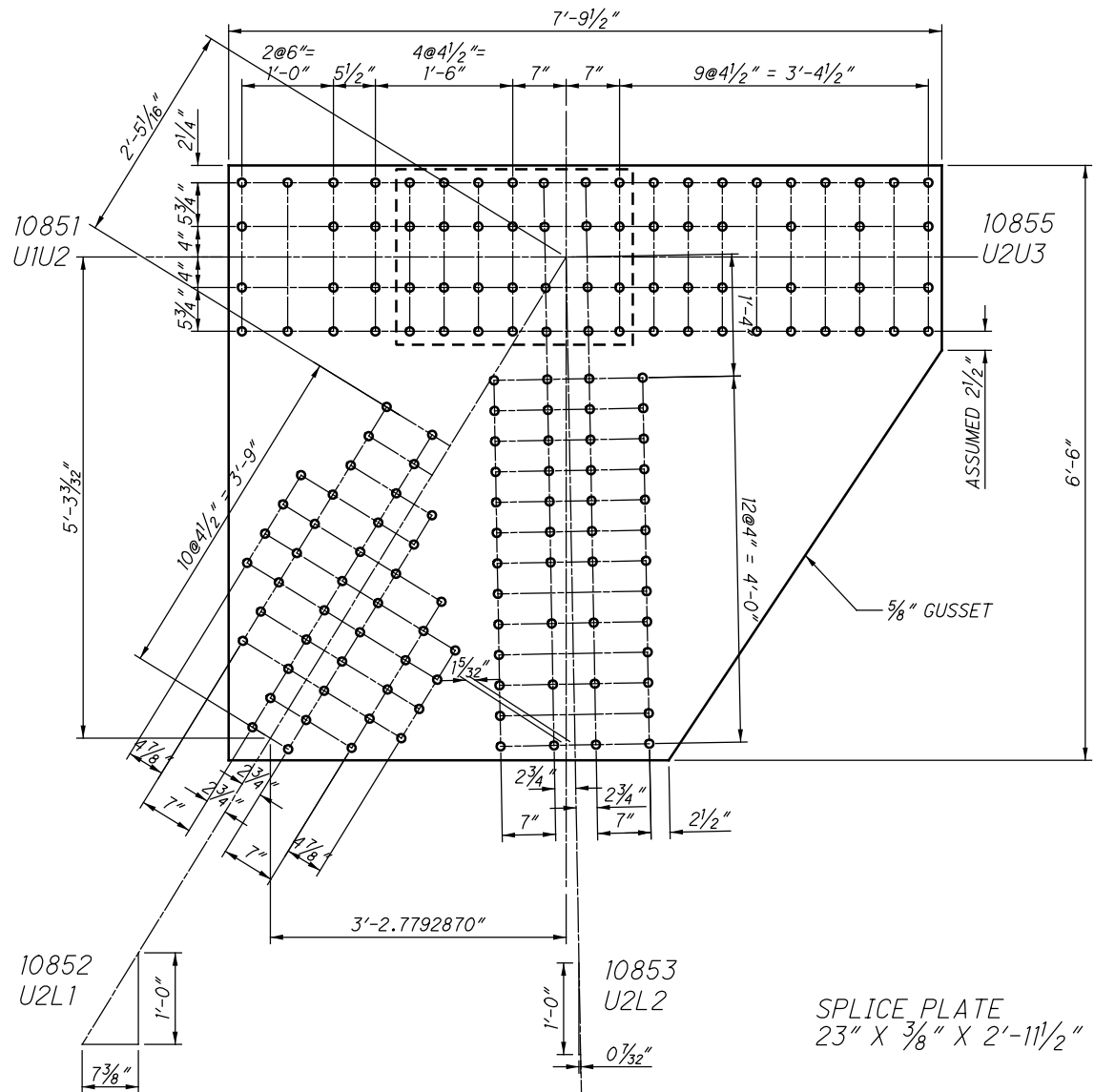
CHORD IS CONTINUOUS

11084 AND 41084



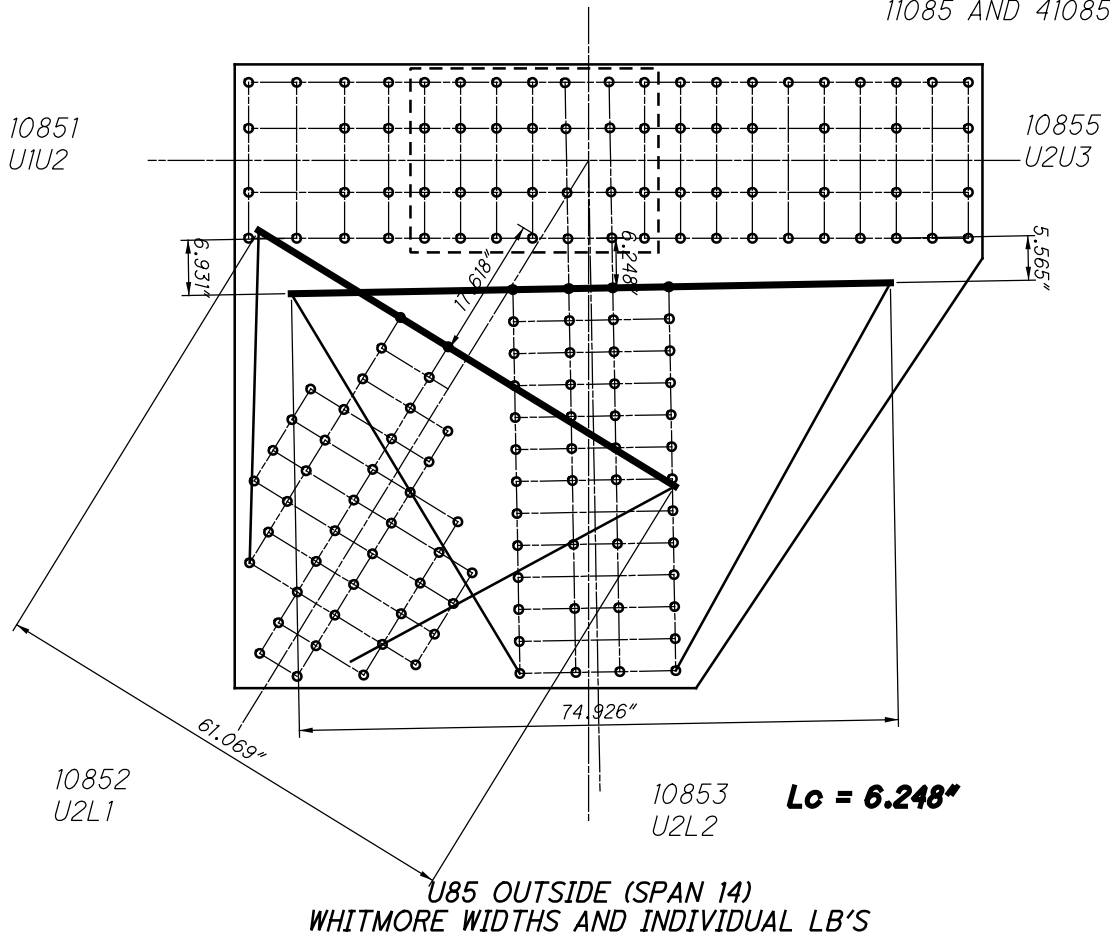


U84 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS

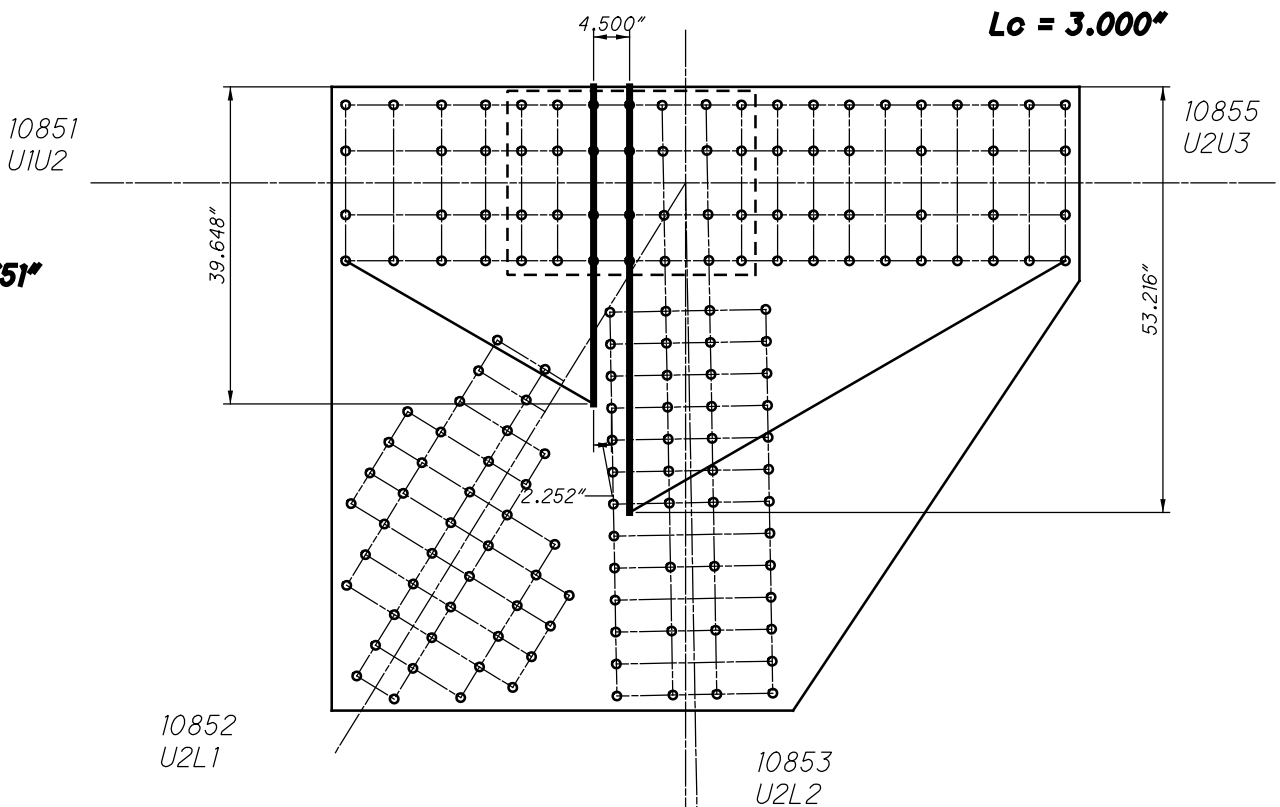


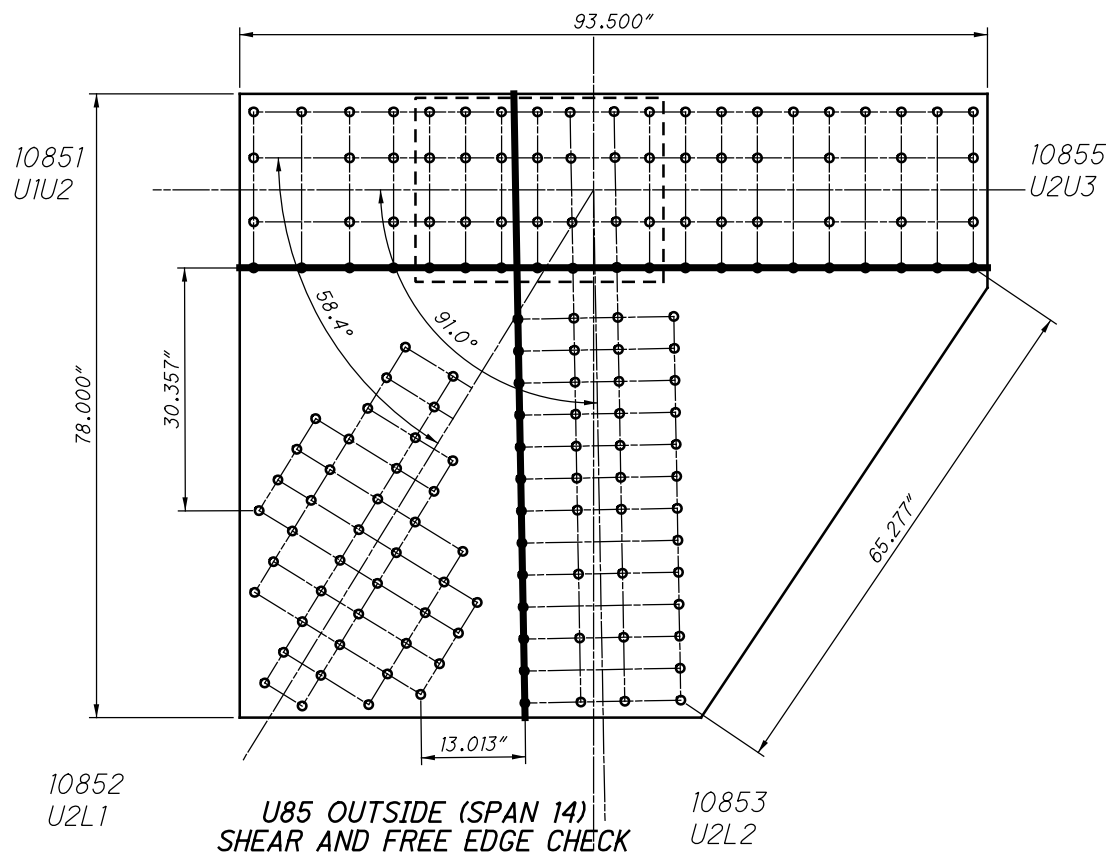
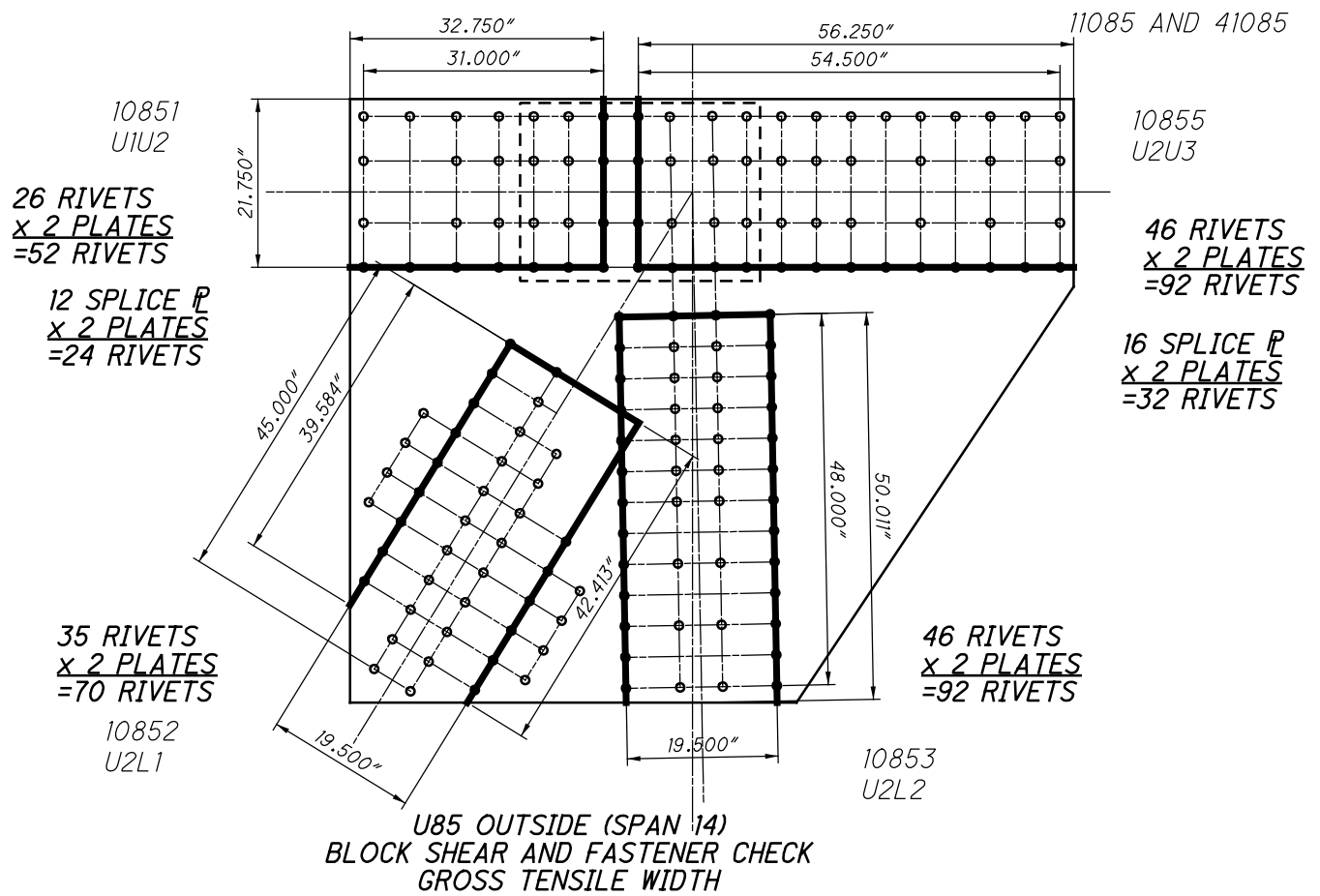
U85 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

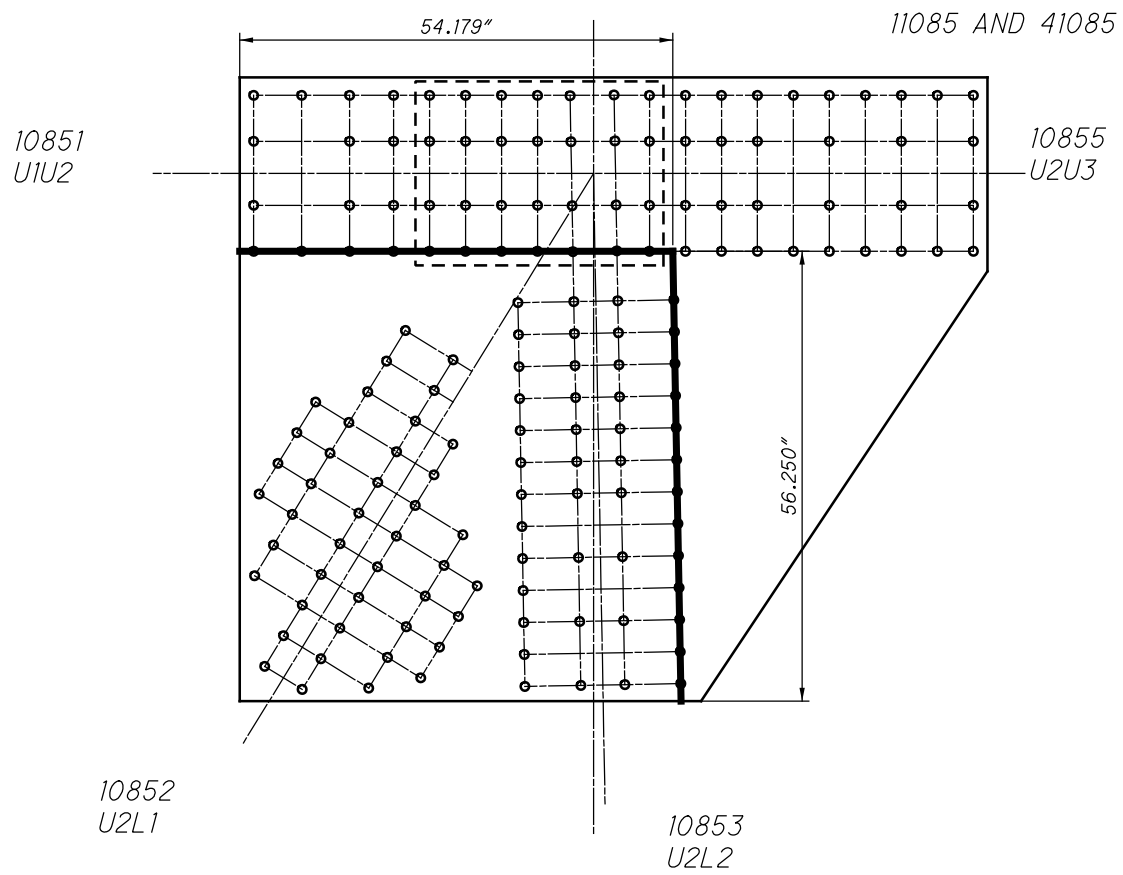
$L_c = 5.873''$



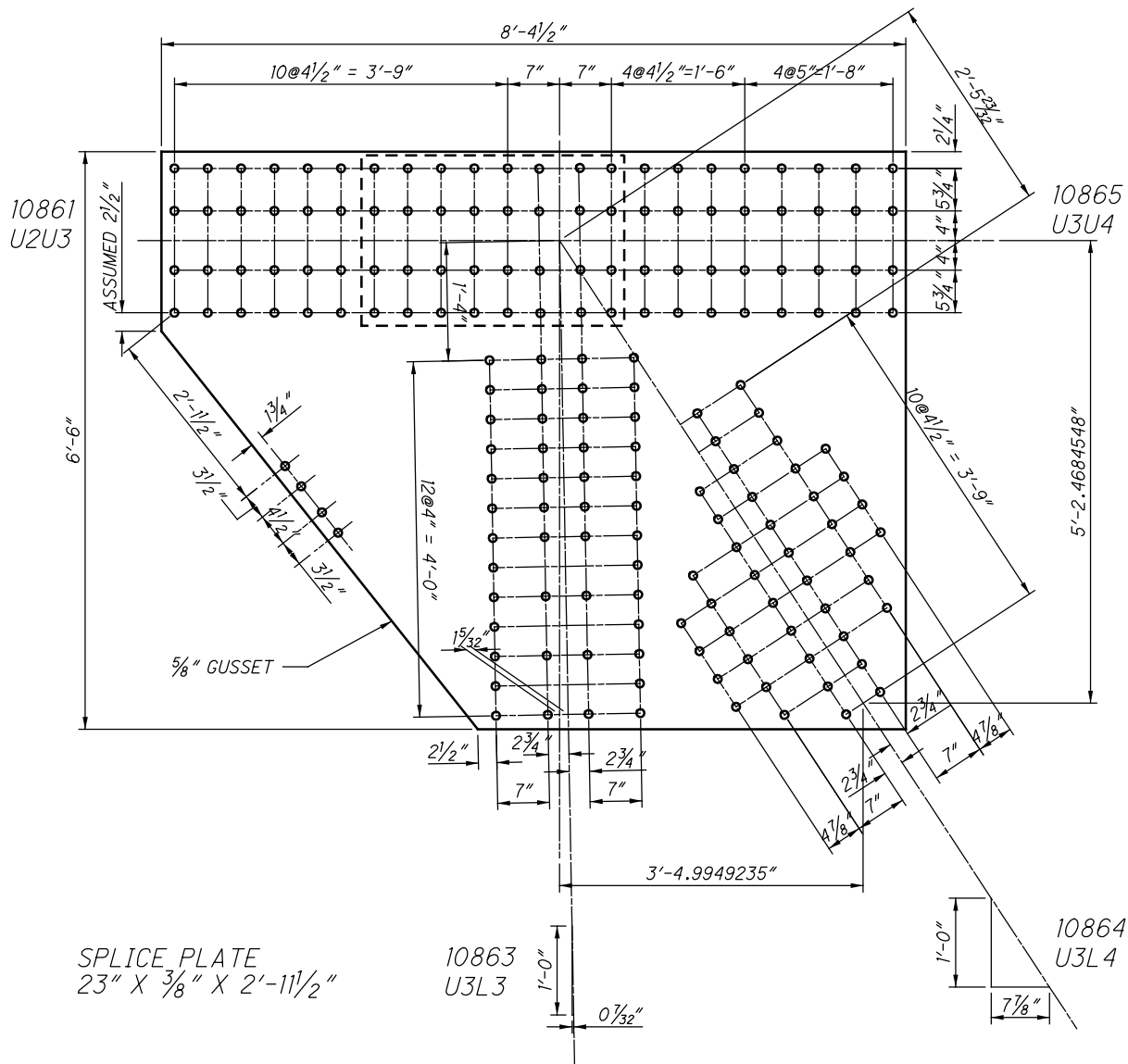
$L_c = 3.751''$







U85 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS

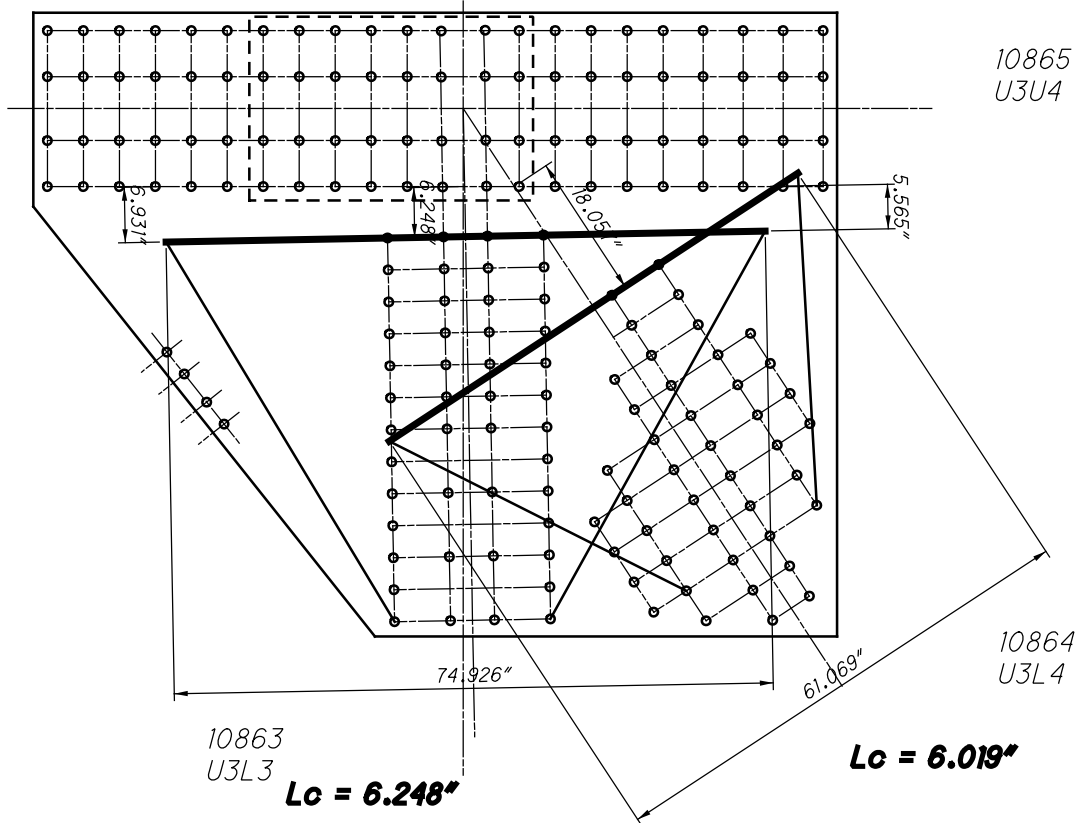


U86 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

11086 AND 41086

10861
U2U3

10865
U3U4



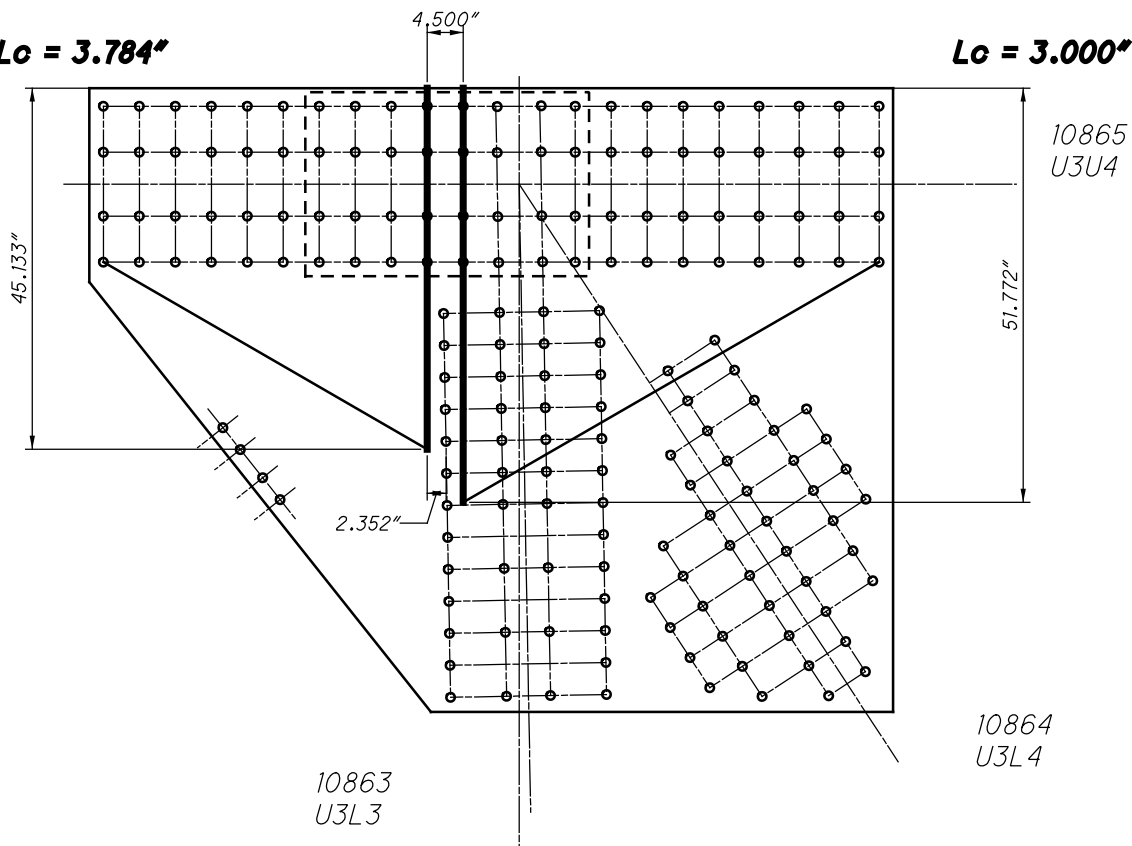
U86 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

$L_c = 3.784"$

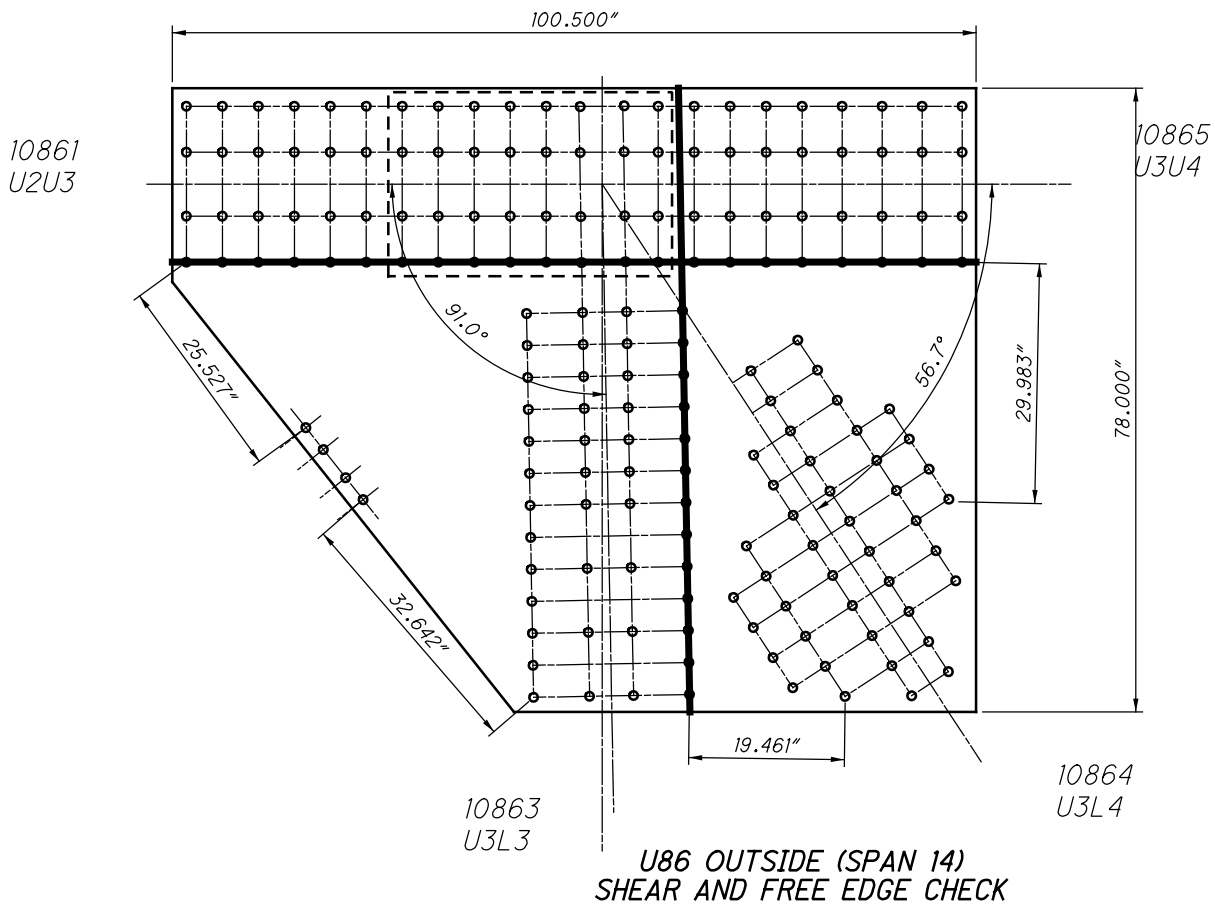
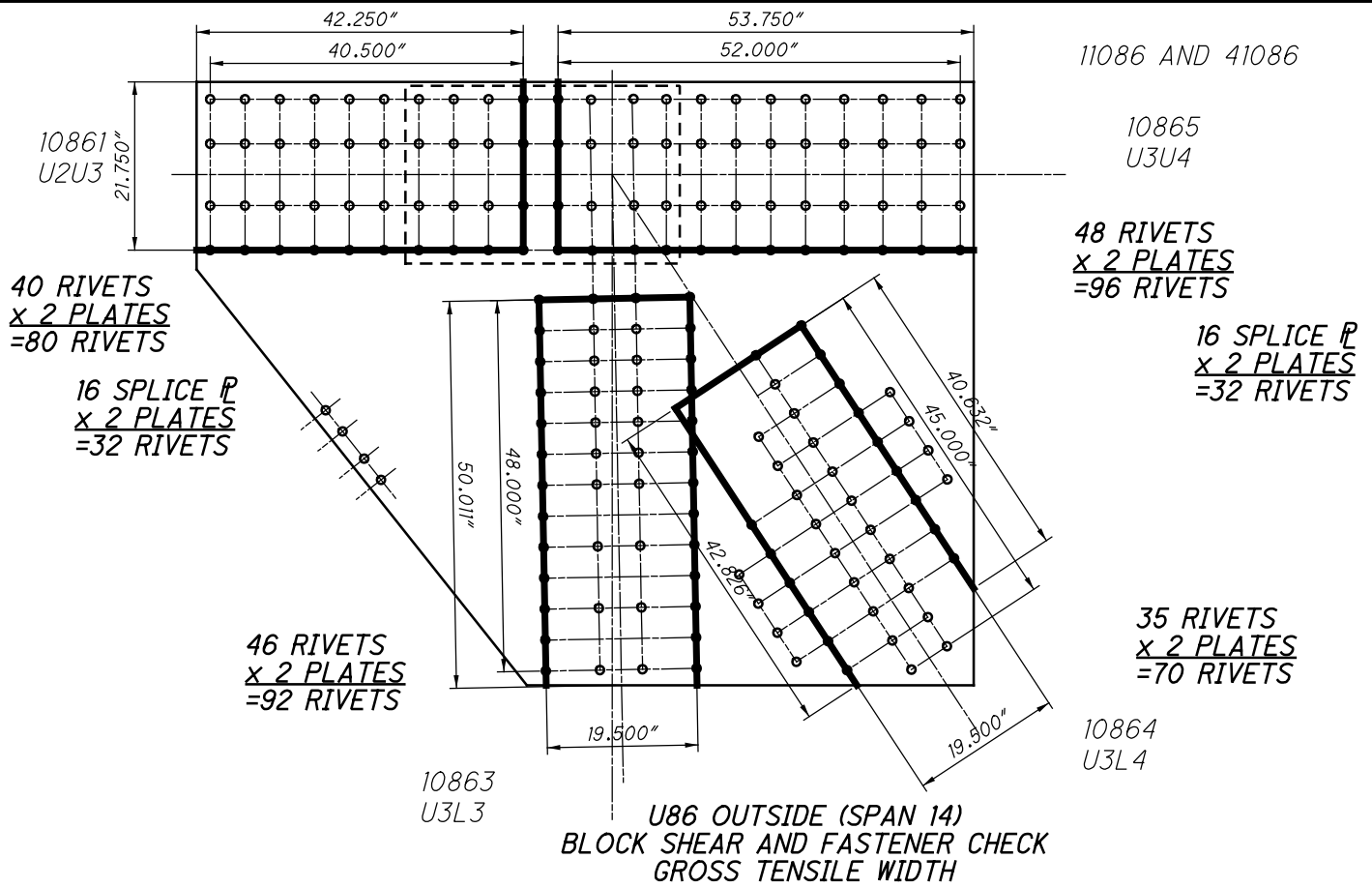
$L_c = 3.000"$

10861
U2U3

10865
U3U4



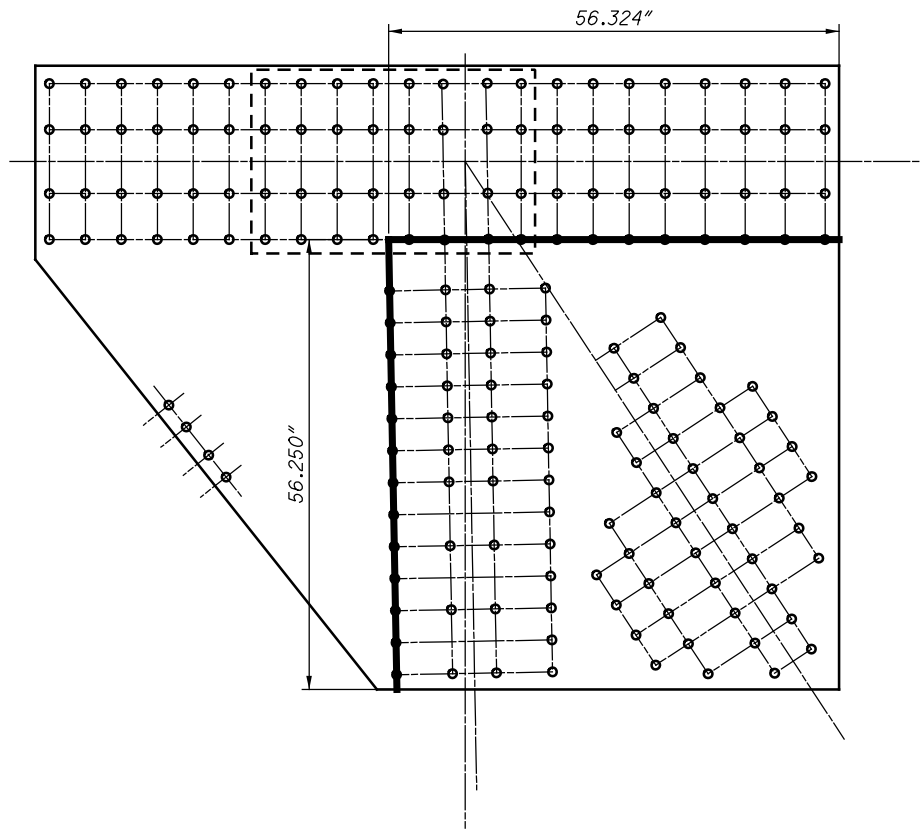
U86 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



10861
U2U3

11086 AND 41086

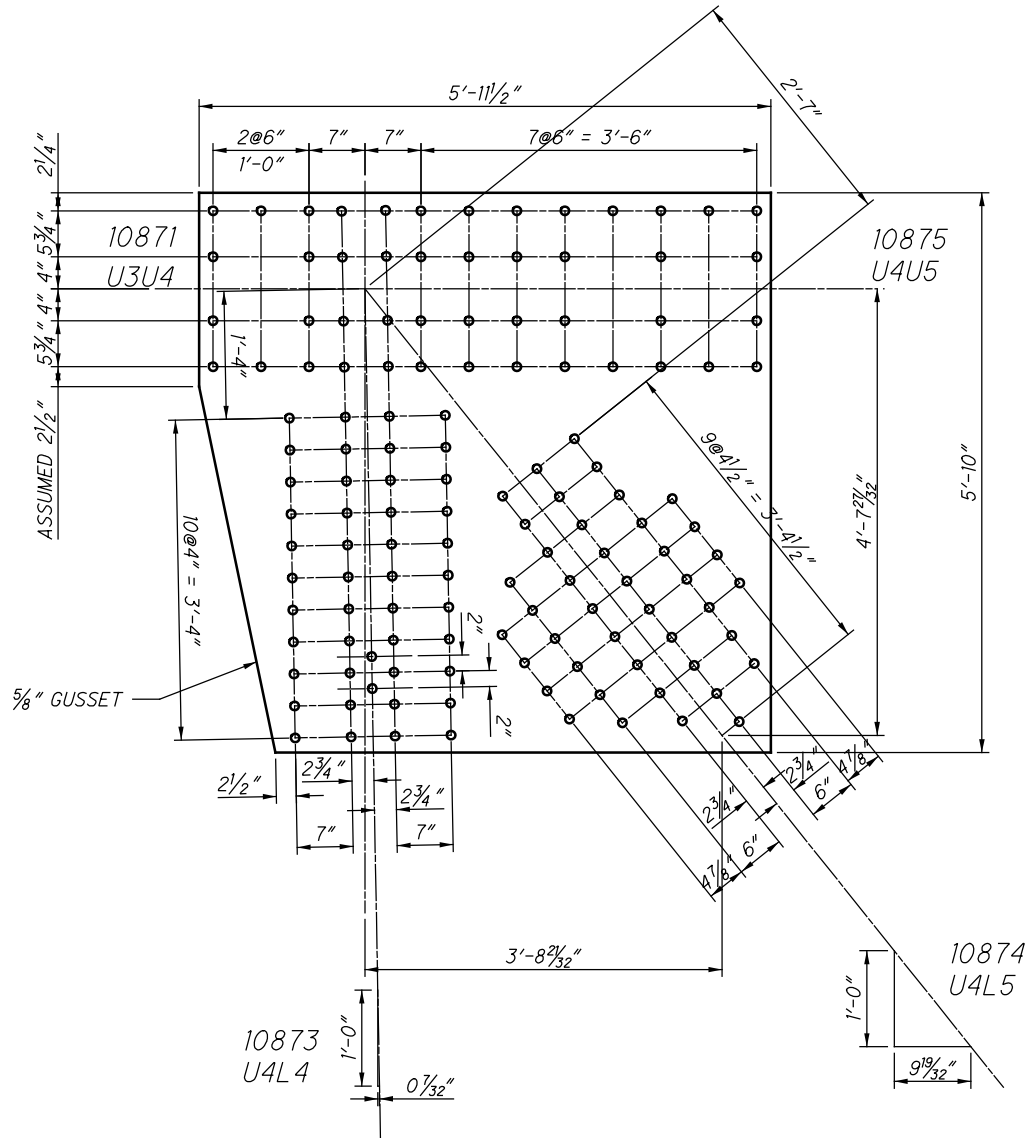
10865
U3U4



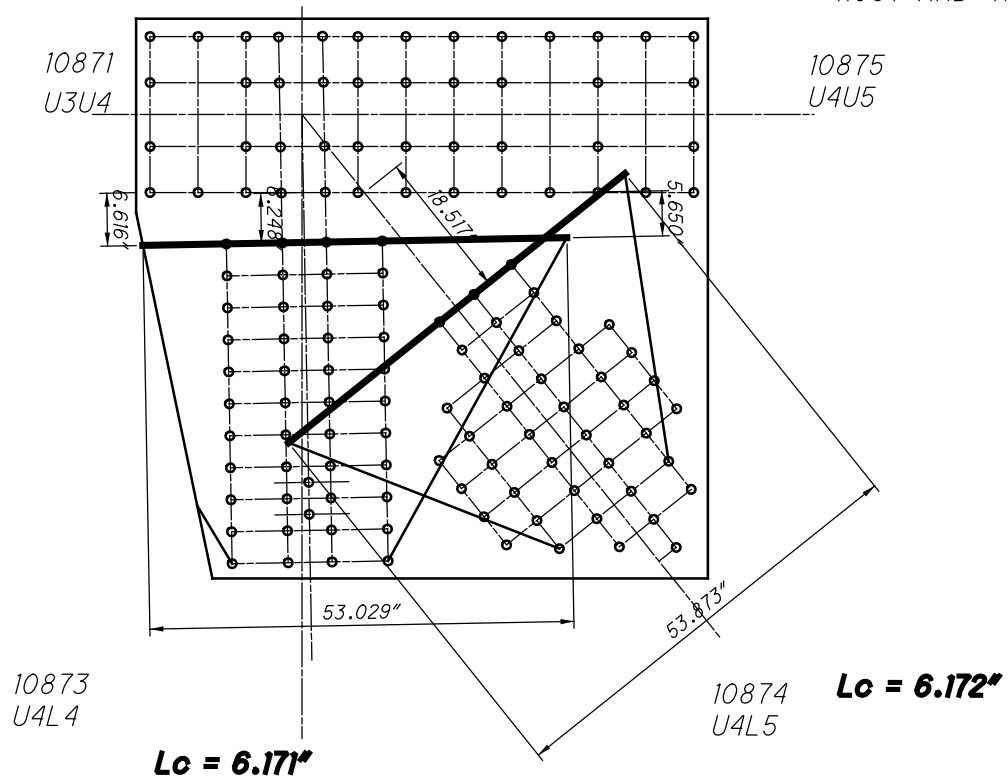
10863
U3L3

10864
U3L4

U86 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS

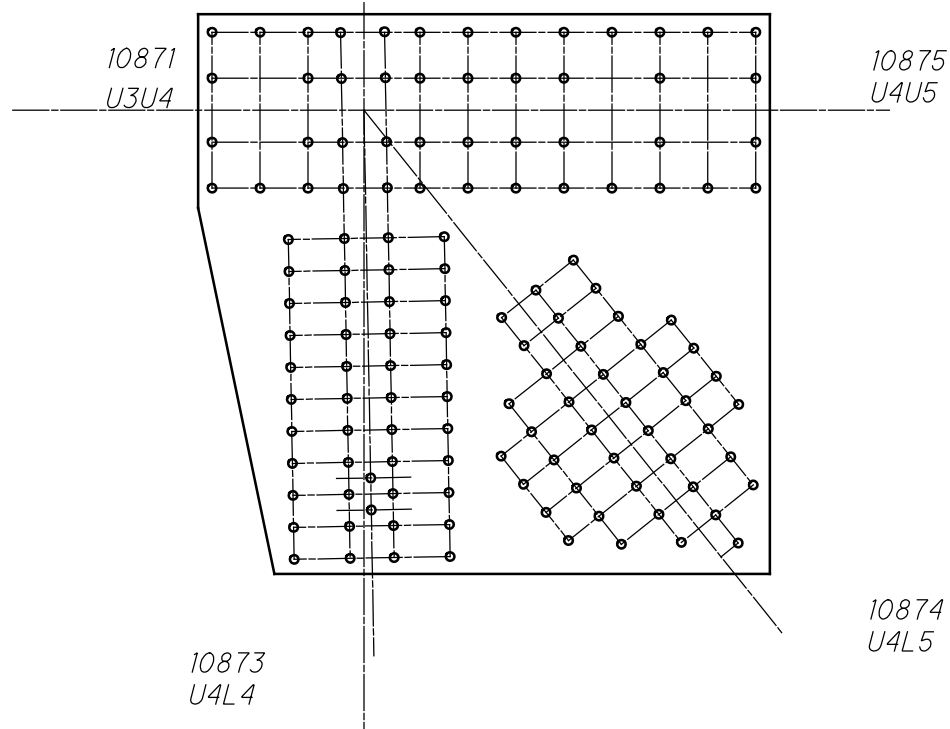


U87 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

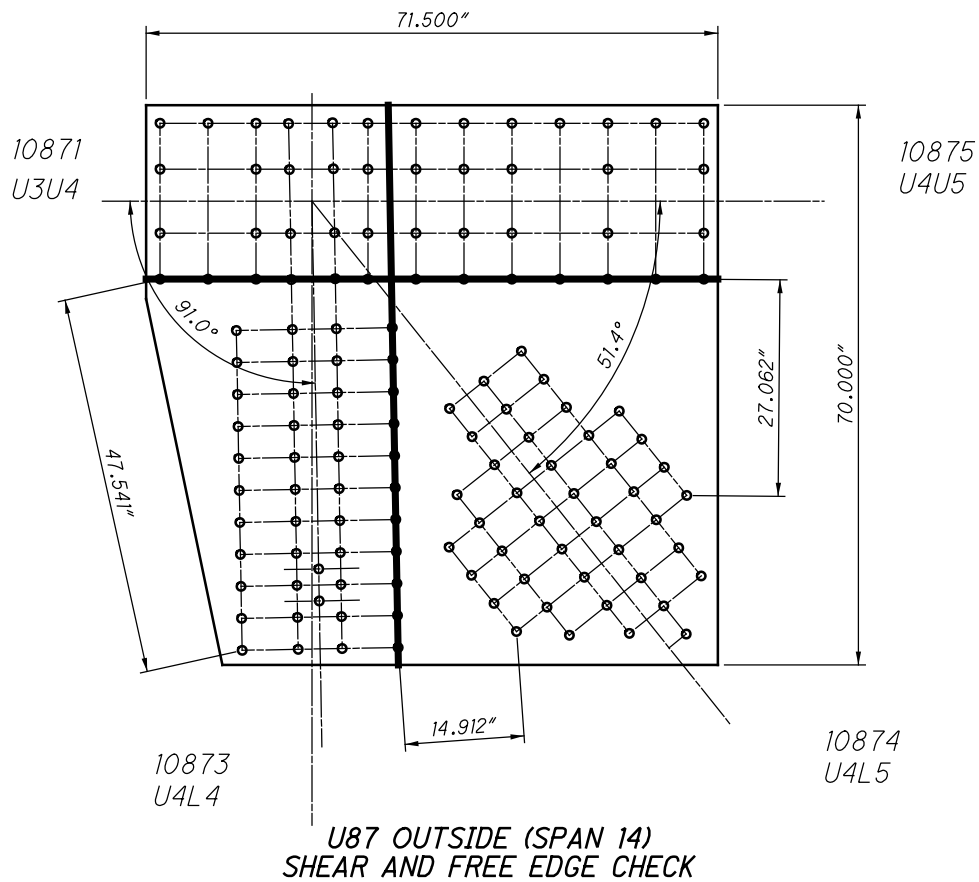
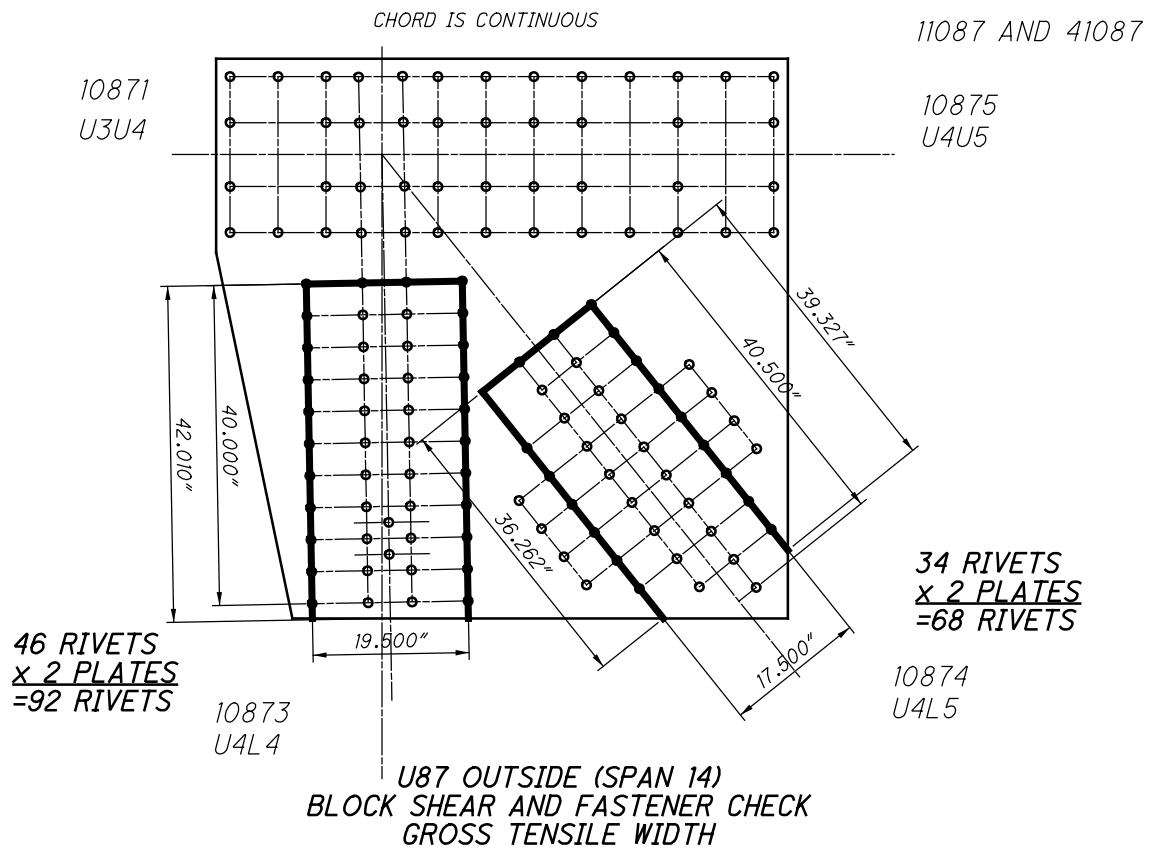


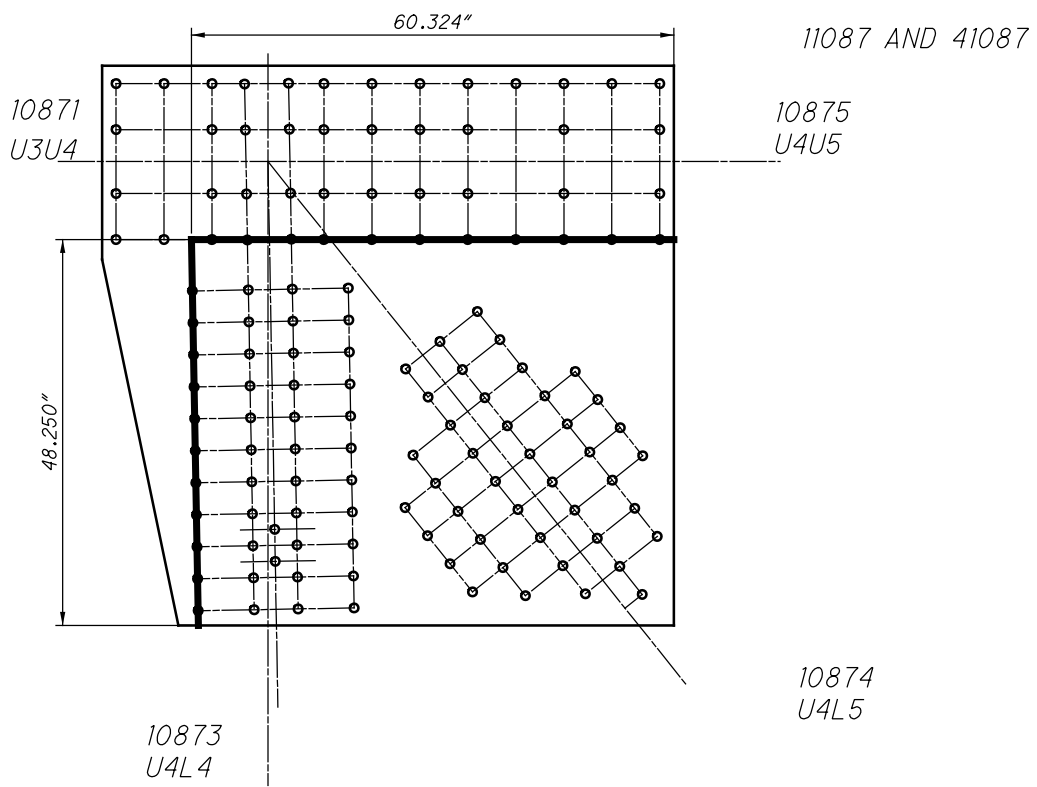
U87 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

CHORD IS CONTINUOUS

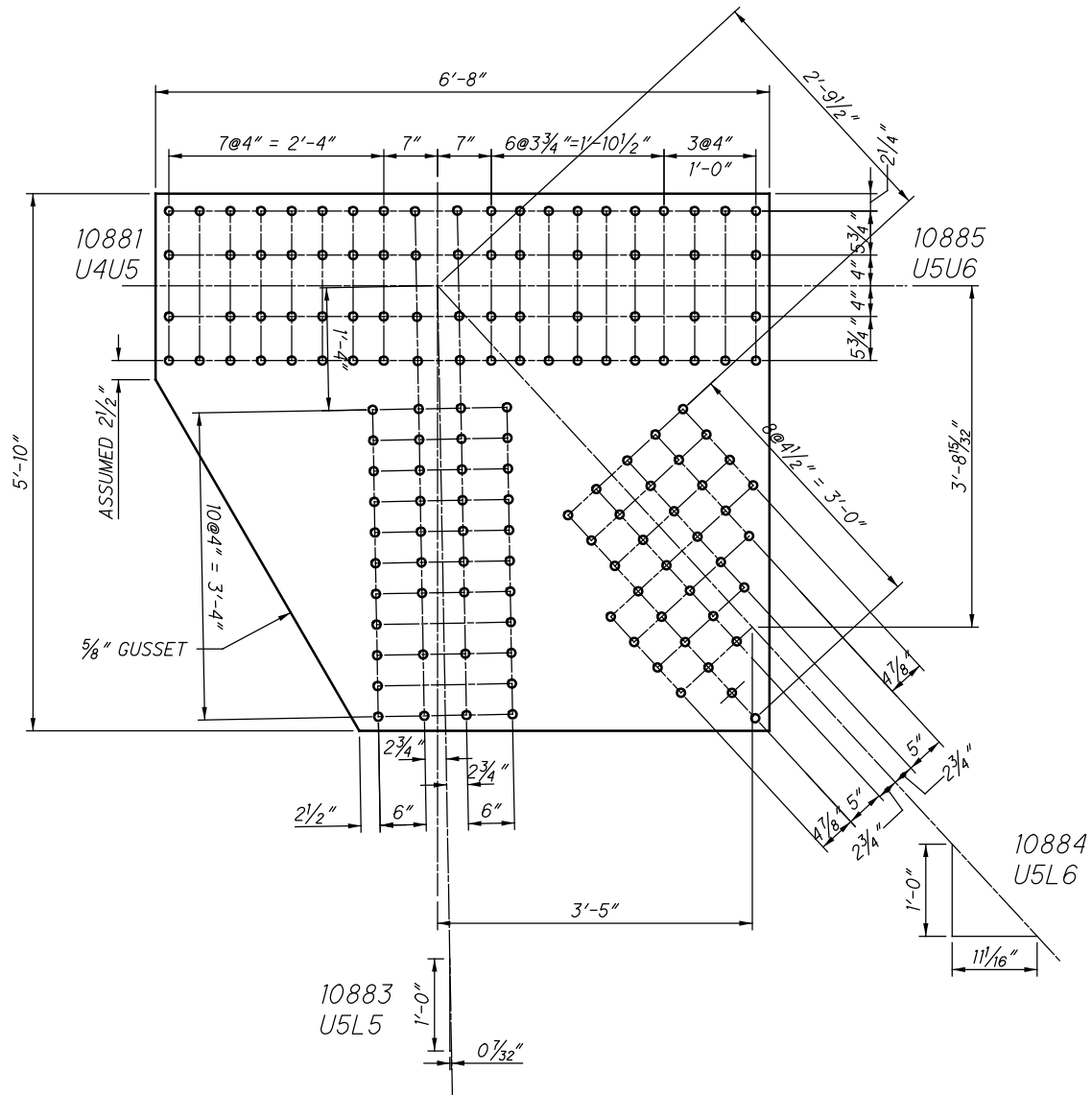


U87 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

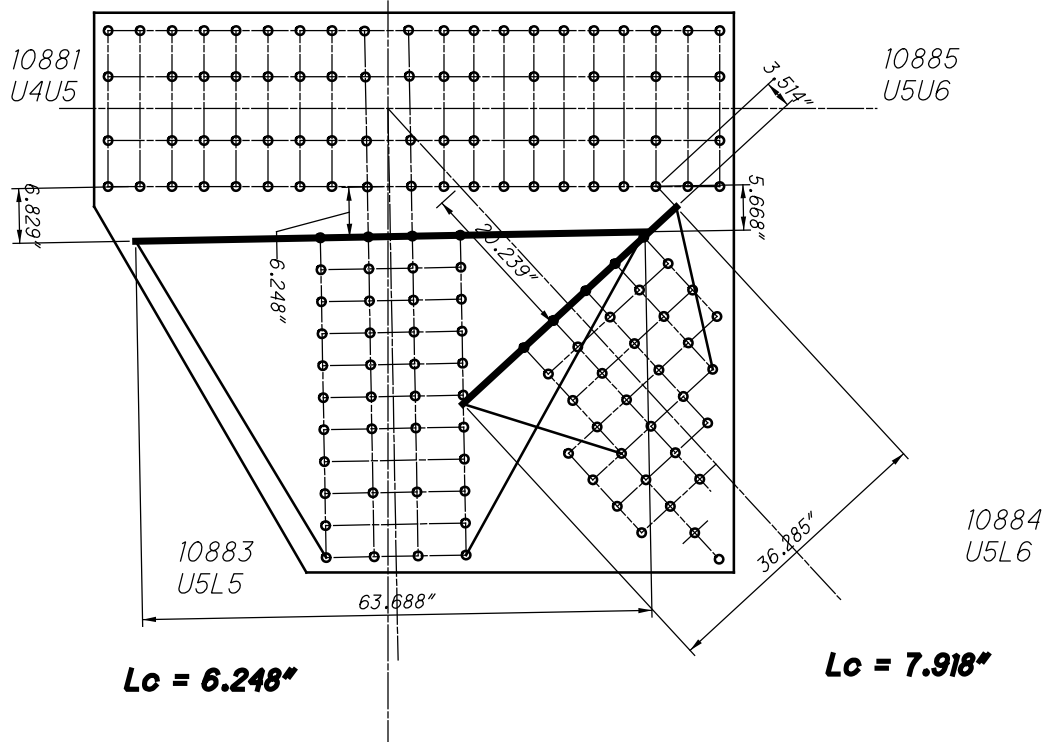




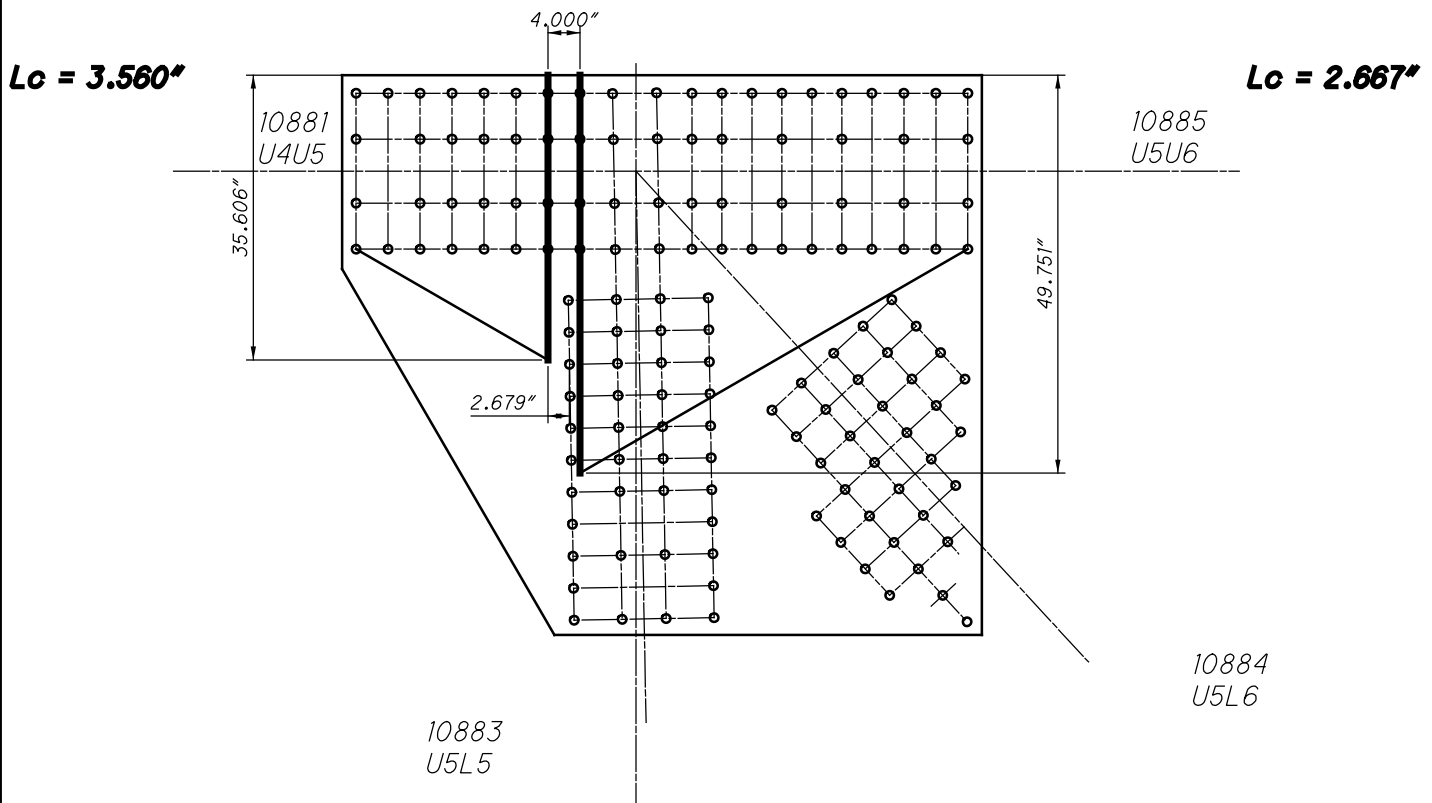
*U87 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS*



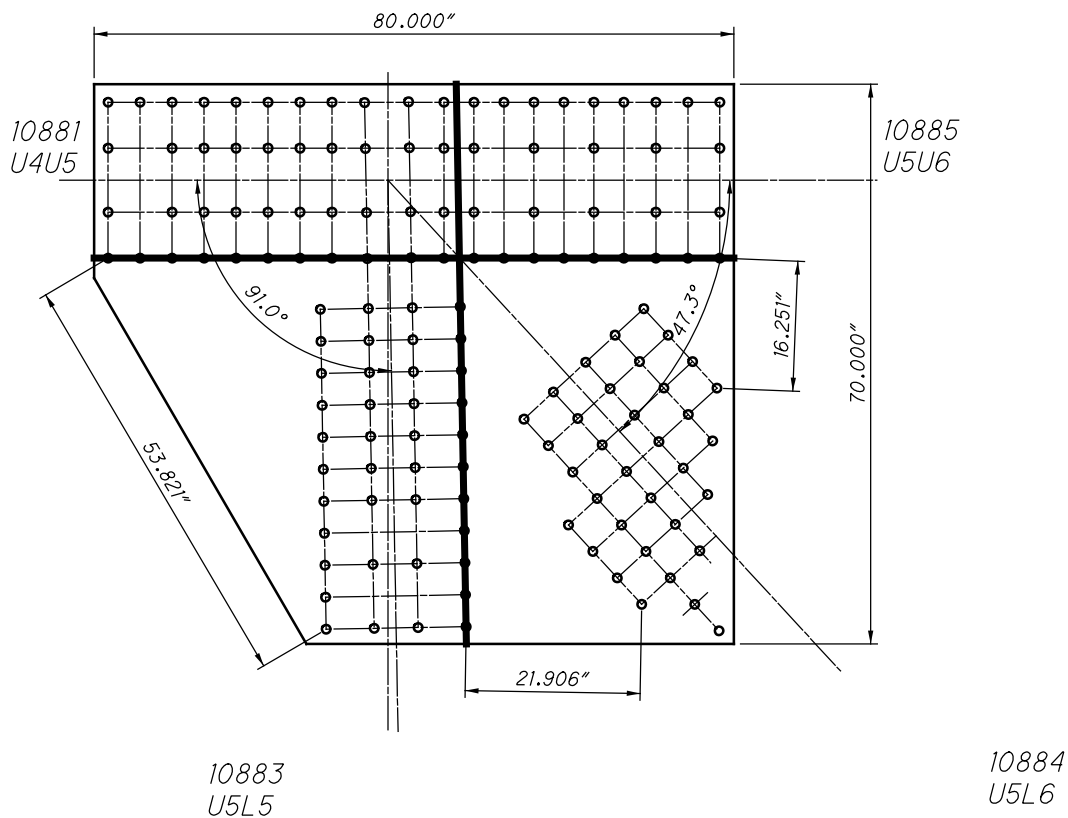
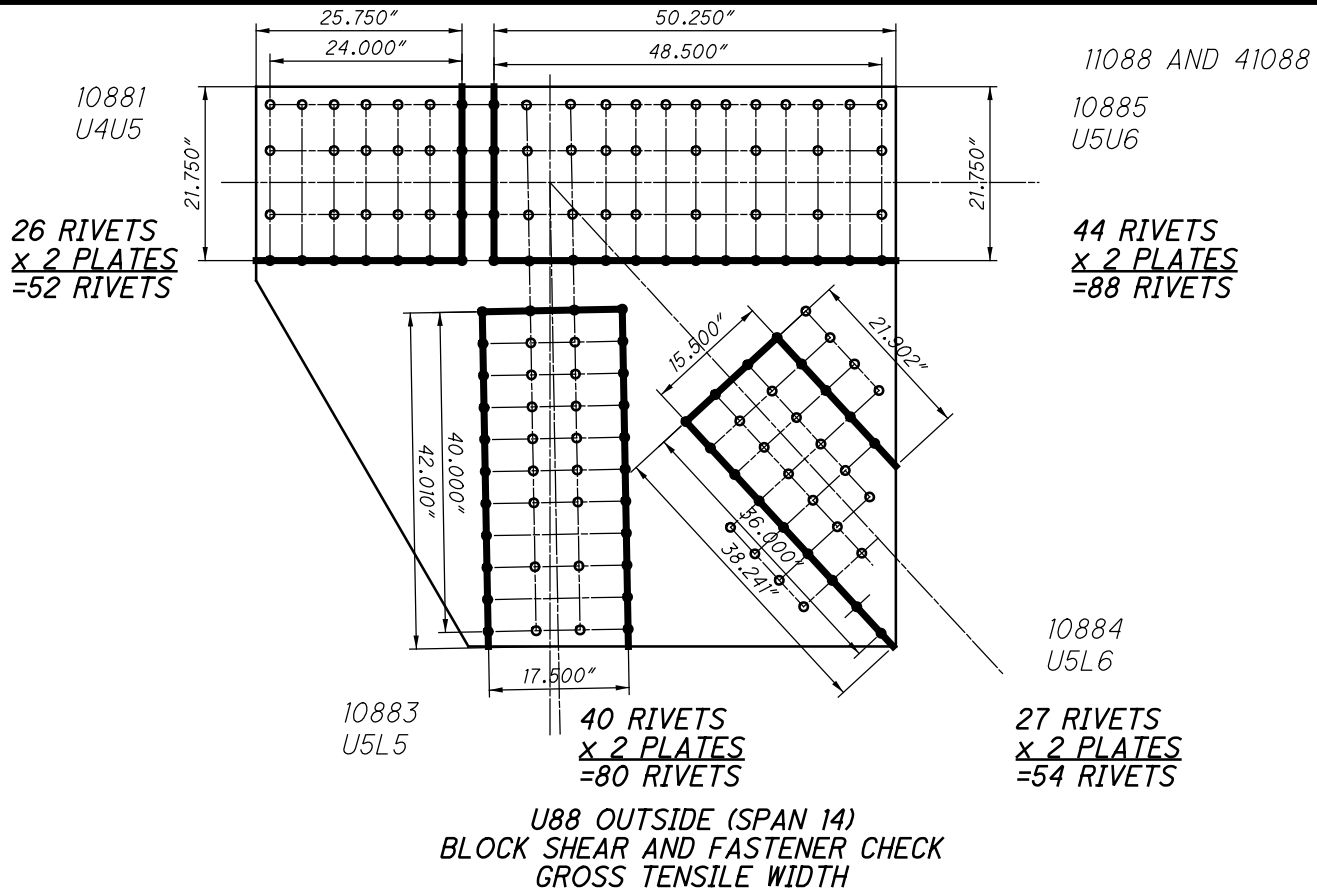
U88 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

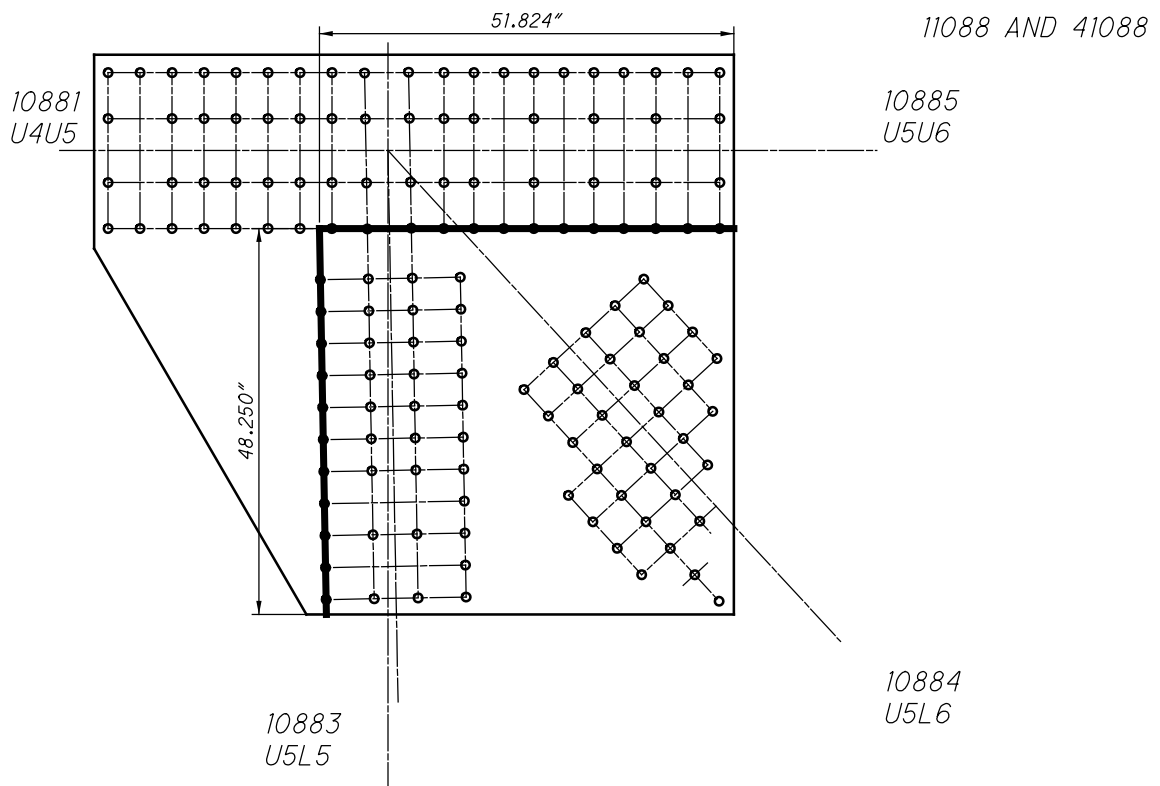


U88 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

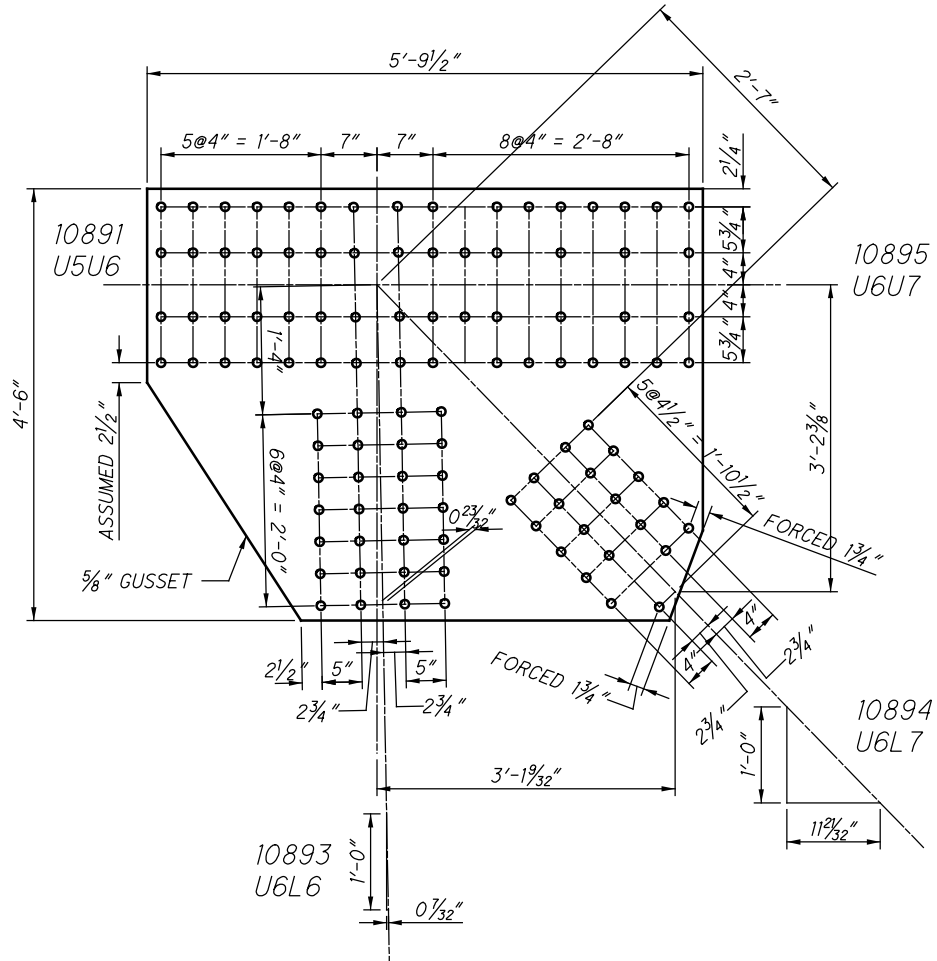


U88 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

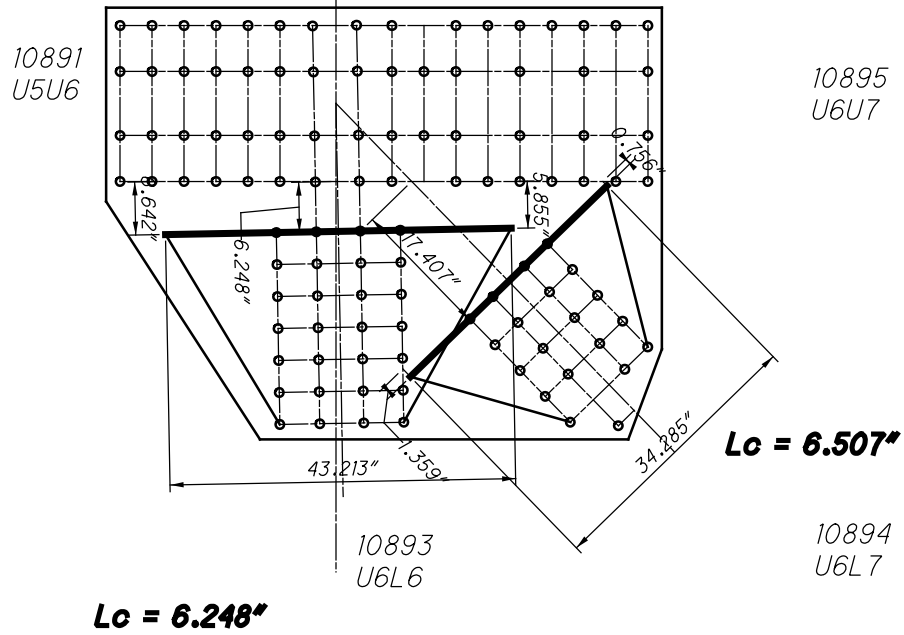




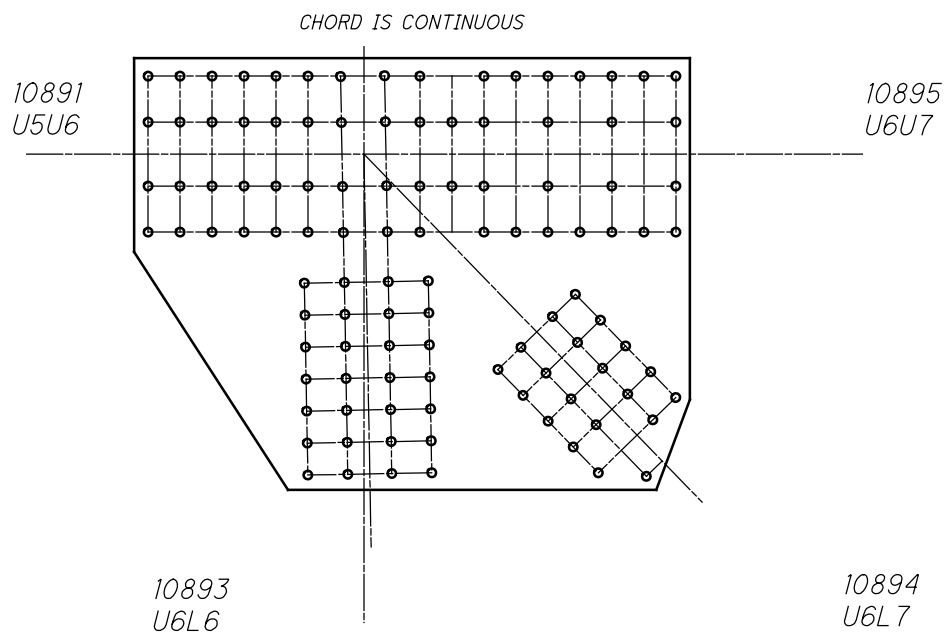
U88 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



U89 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



U89 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



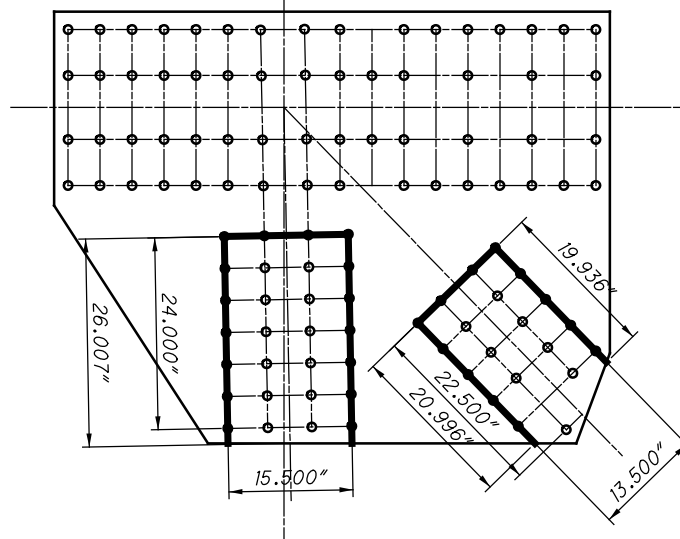
U89 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

CHORD IS CONTINUOUS

11089 AND 41089

10891
U5U6

10895
U6U7



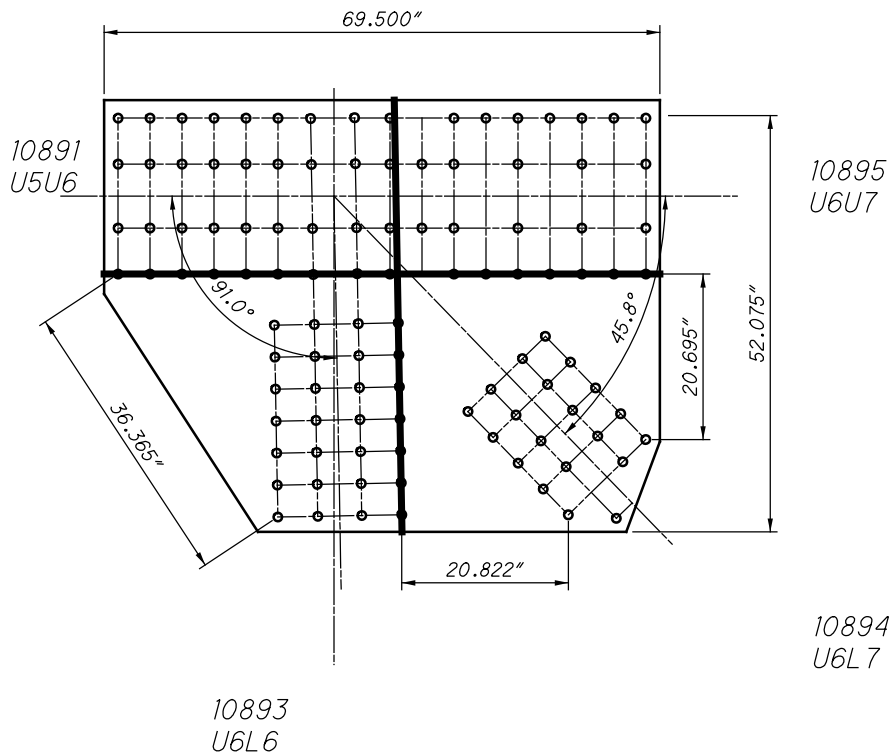
20 RIVETS
x 2 PLATES
=40 RIVETS

10894
U6L7

10893
U6L6

28 RIVETS
x 2 PLATES
=56 RIVETS

U89 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

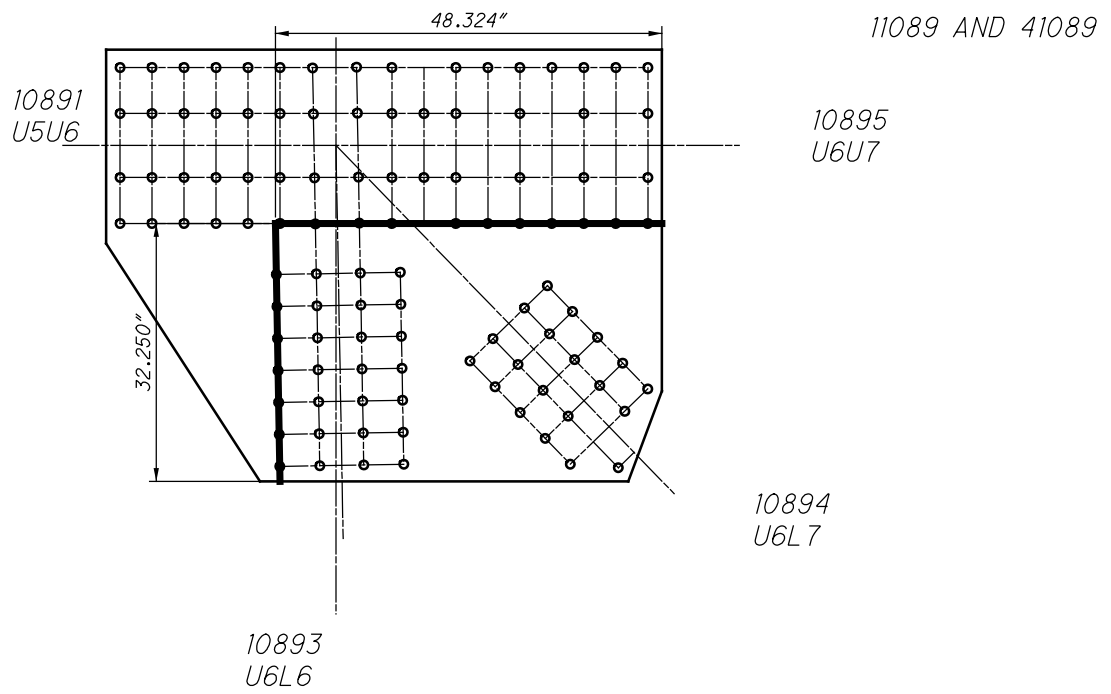


10895
U6U7

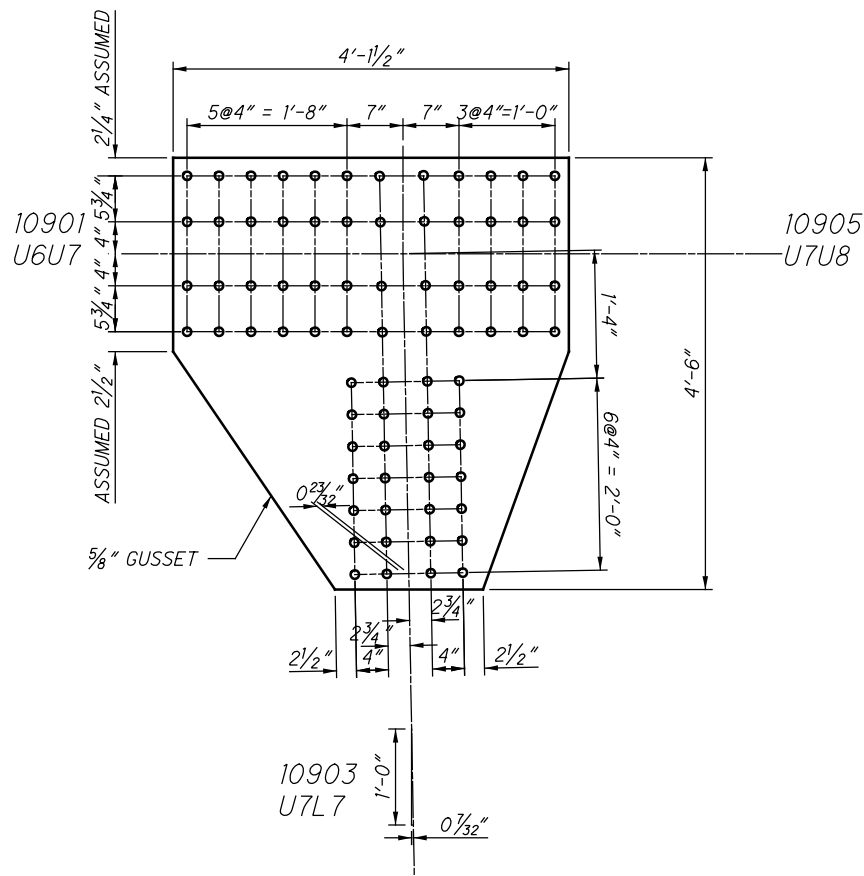
10894
U6L7

10893
U6L6

U89 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK



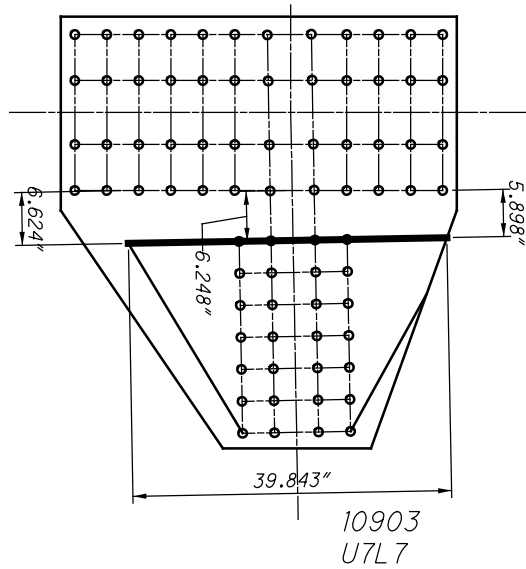
U89 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



U90 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

10901
U6U7

10905
U7U8

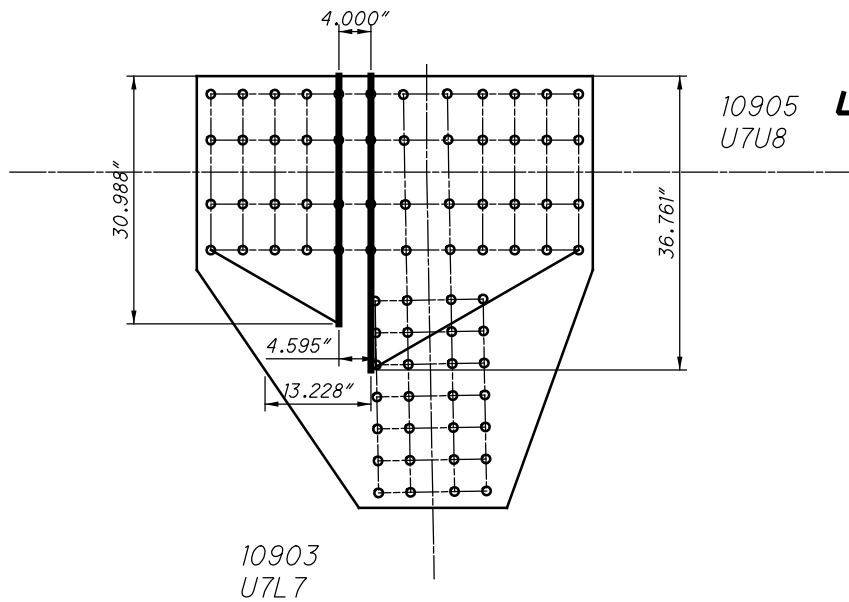


$$L_c = 6.257"$$

U90 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

$$L_c = 4.198"$$

10901
U6U7

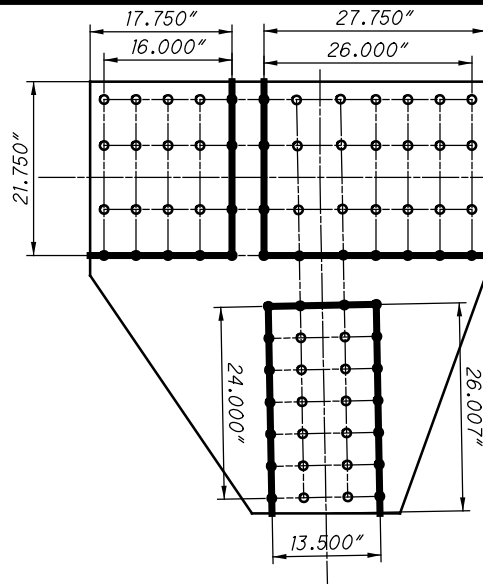


$$L_c = 7.076"$$

U90 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

11090 AND 41090

10901
U6U7
20 RIVETS
x 2 PLATES
=40 RIVETS



10905
U7U8

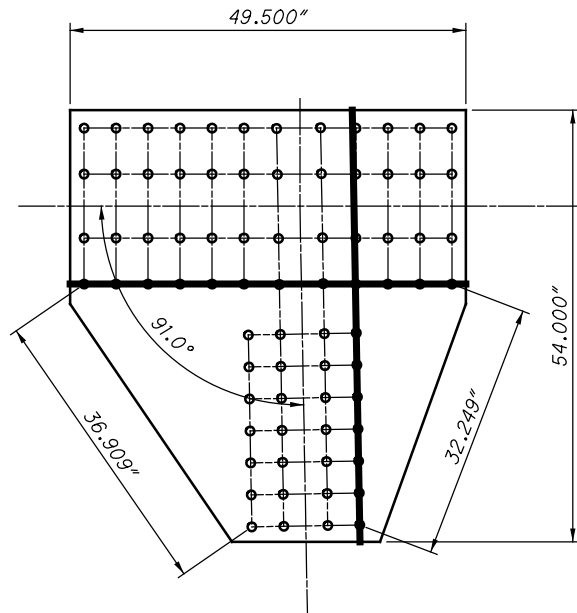
28 RIVETS
x 2 PLATES
=56 RIVETS

10903
U7L7

28 RIVETS
x 2 PLATES
=56 RIVETS

U90 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

10901
U6U7



10905
U7U8

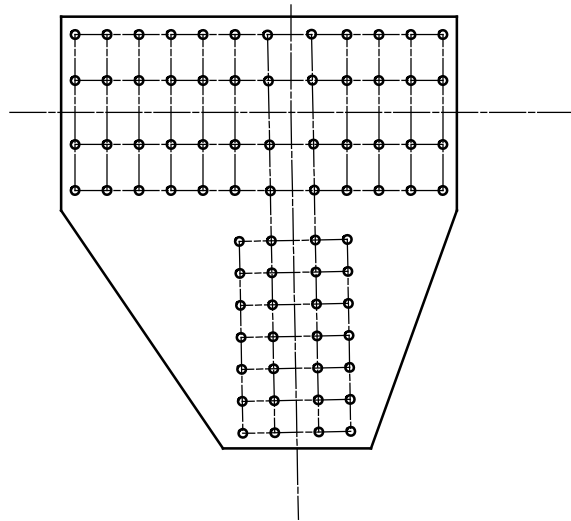
10903
U7L7

U90 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

11090 AND 41090

10901
U6U7

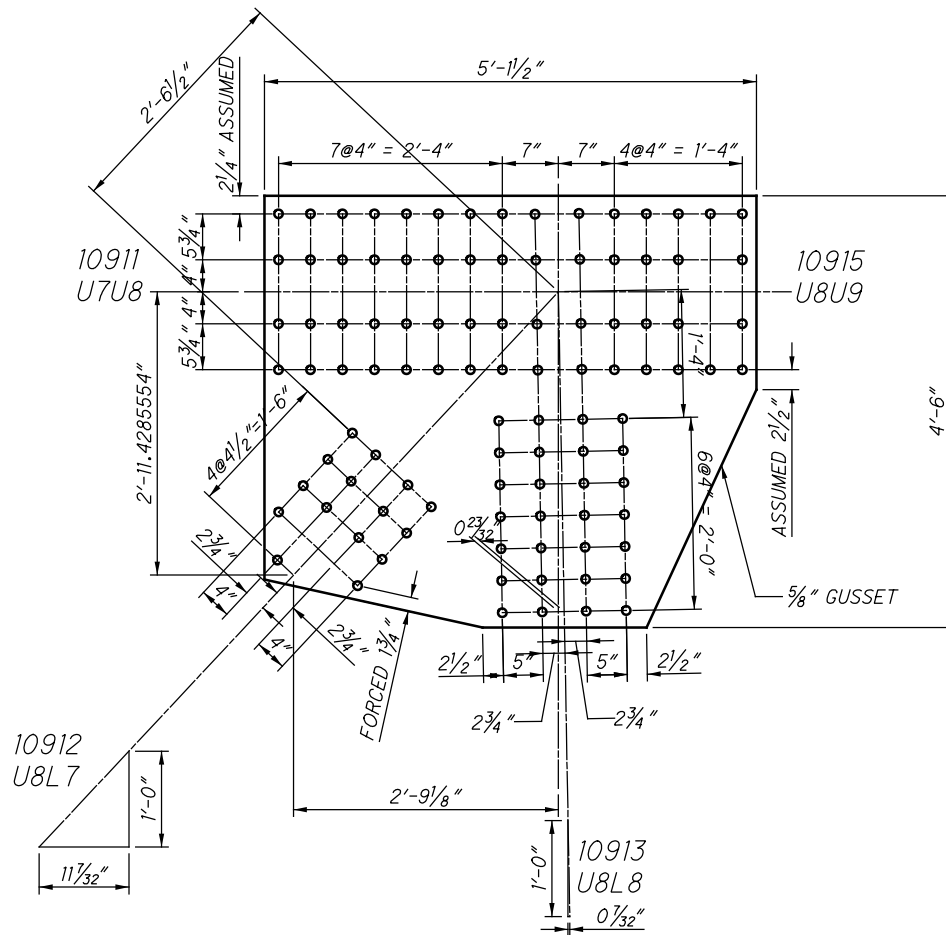
10905
U7U8



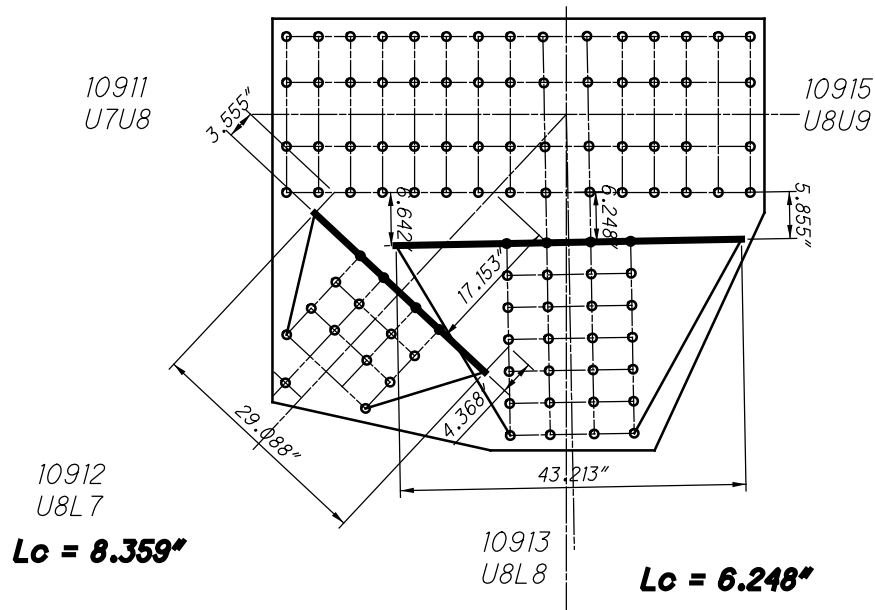
NOT APPLICABLE

10903
U7L7

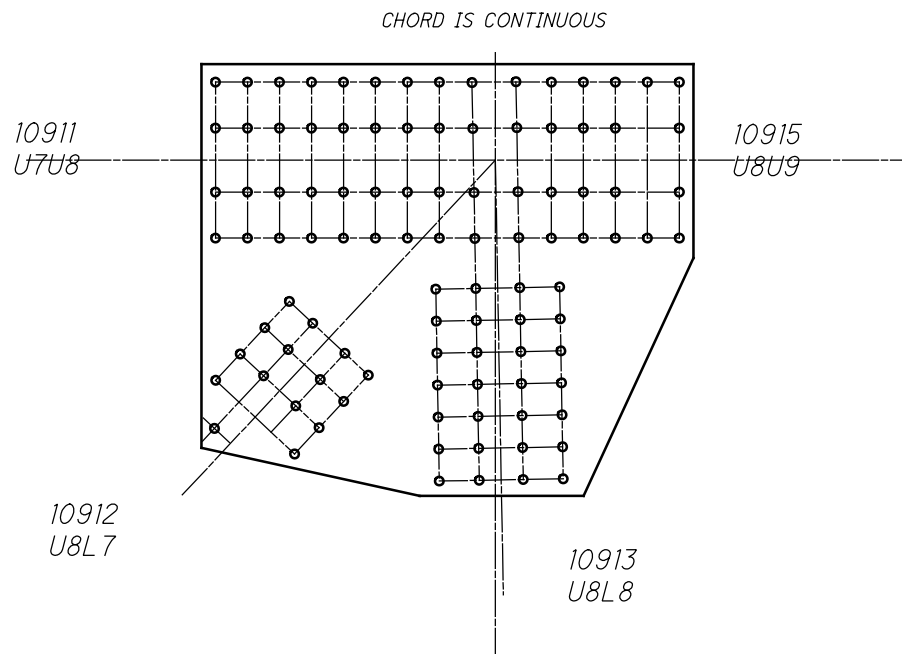
U90 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



U91 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



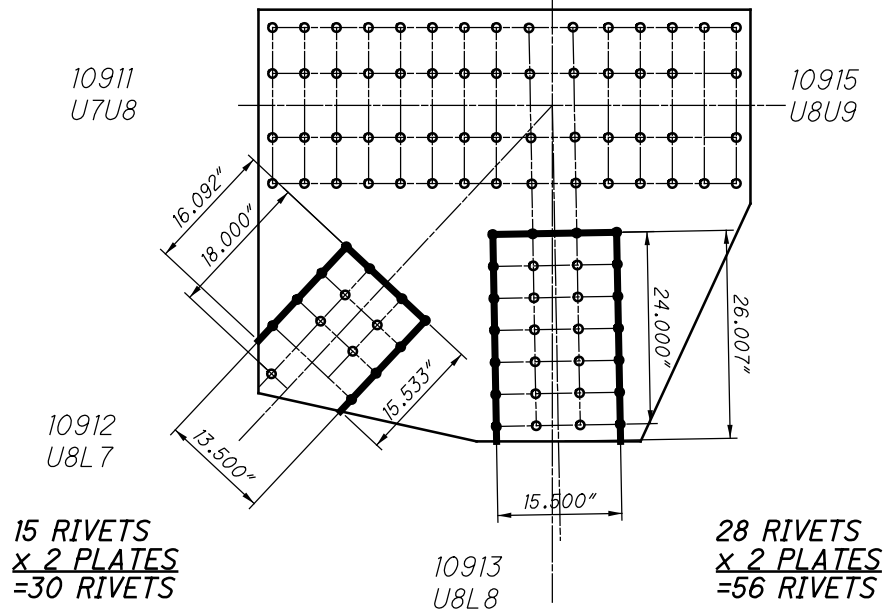
U91 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



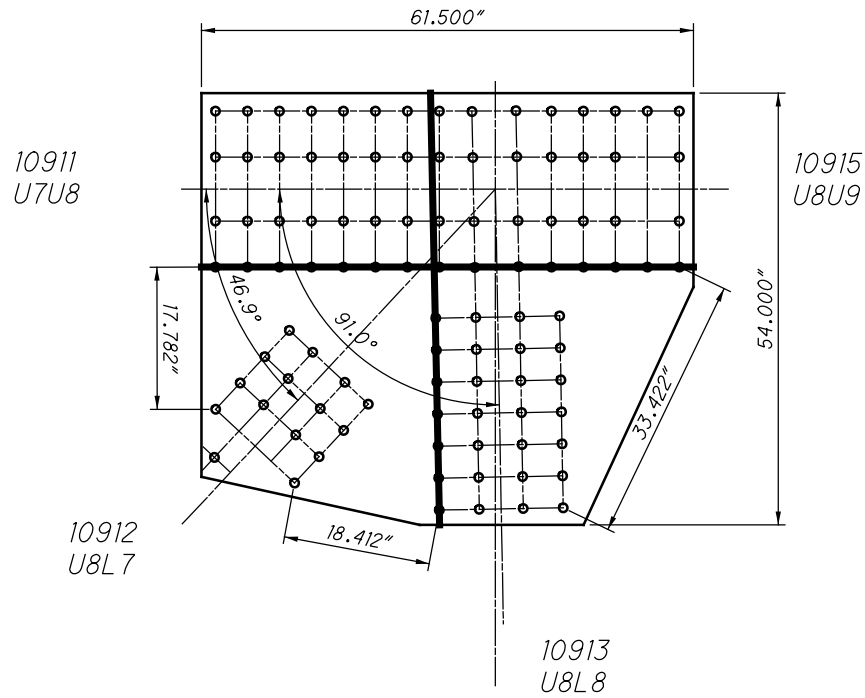
U91 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

CHORD IS CONTINUOUS

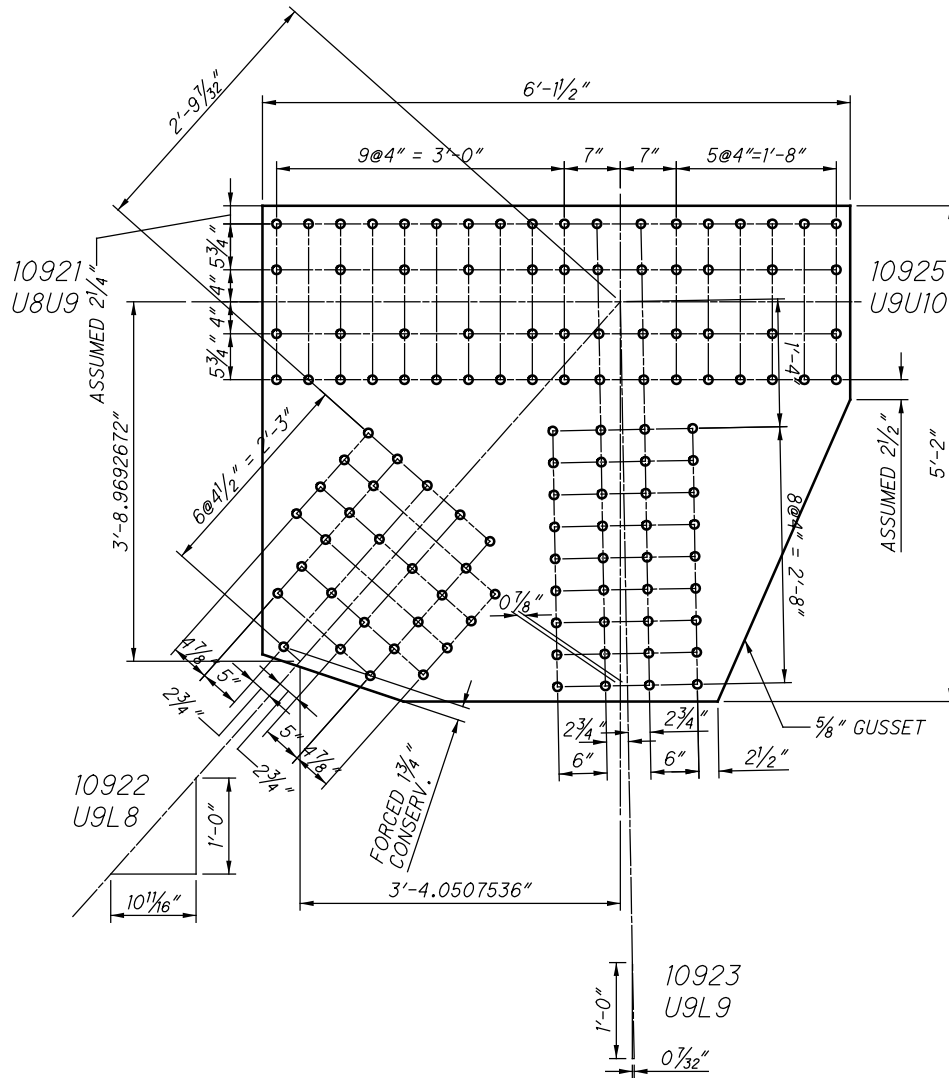
11091 AND 41091



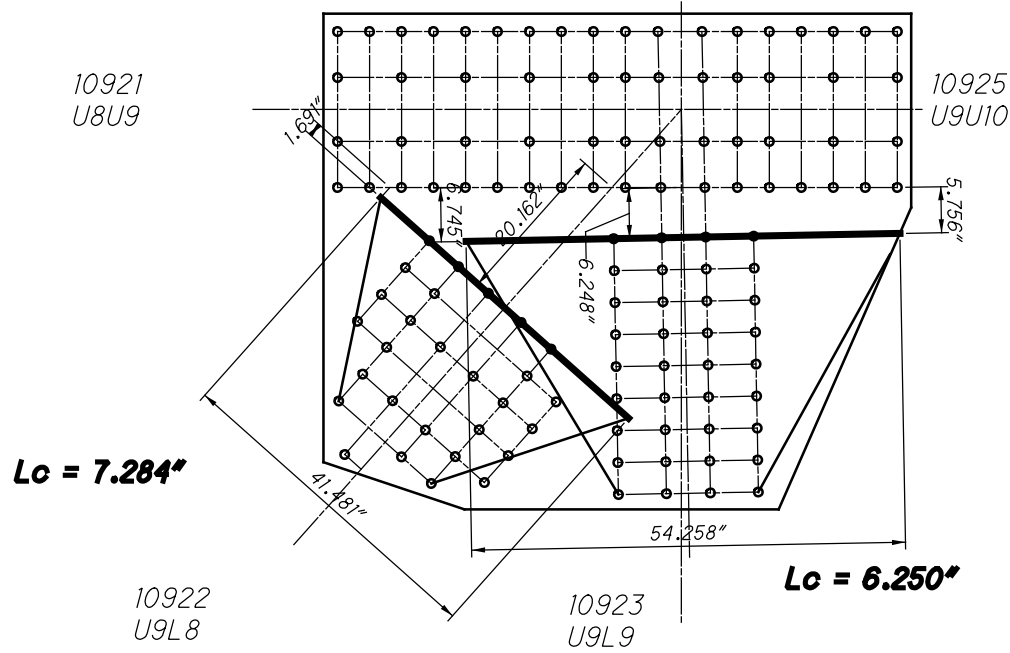
U91 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



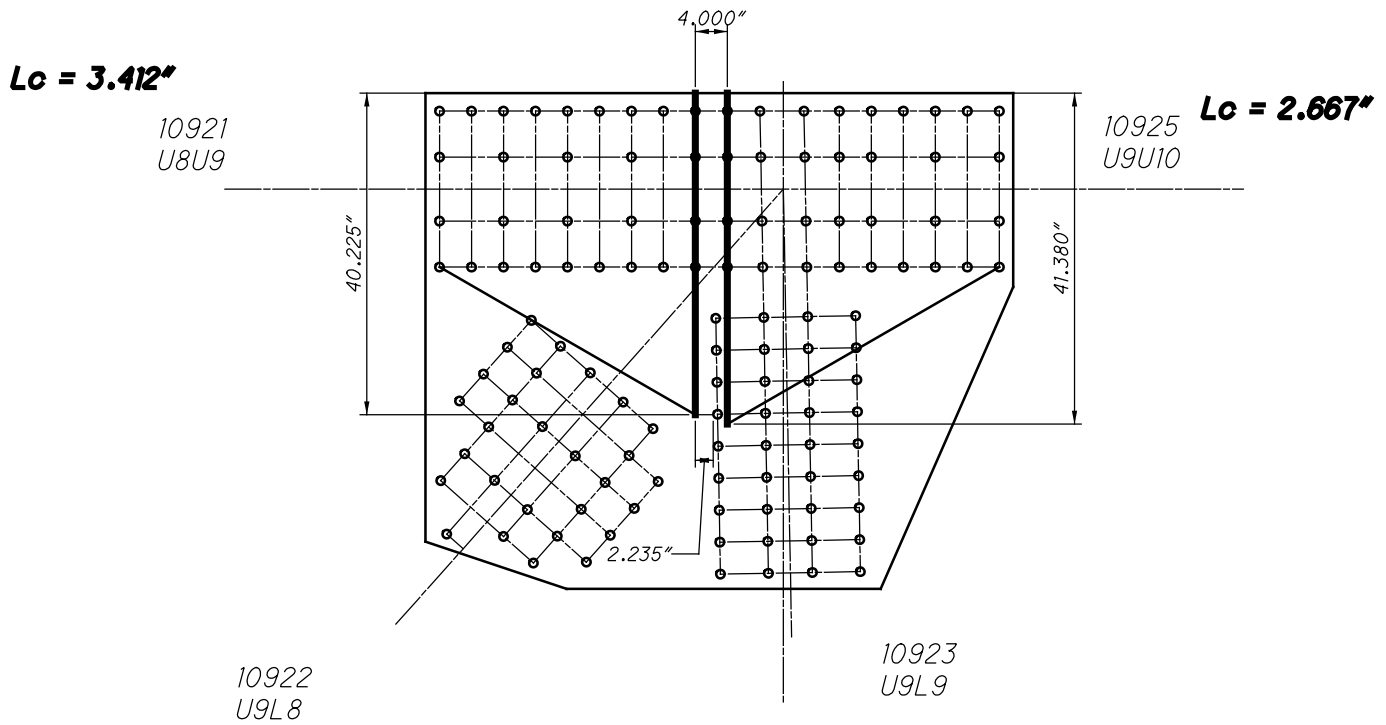
U91 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK



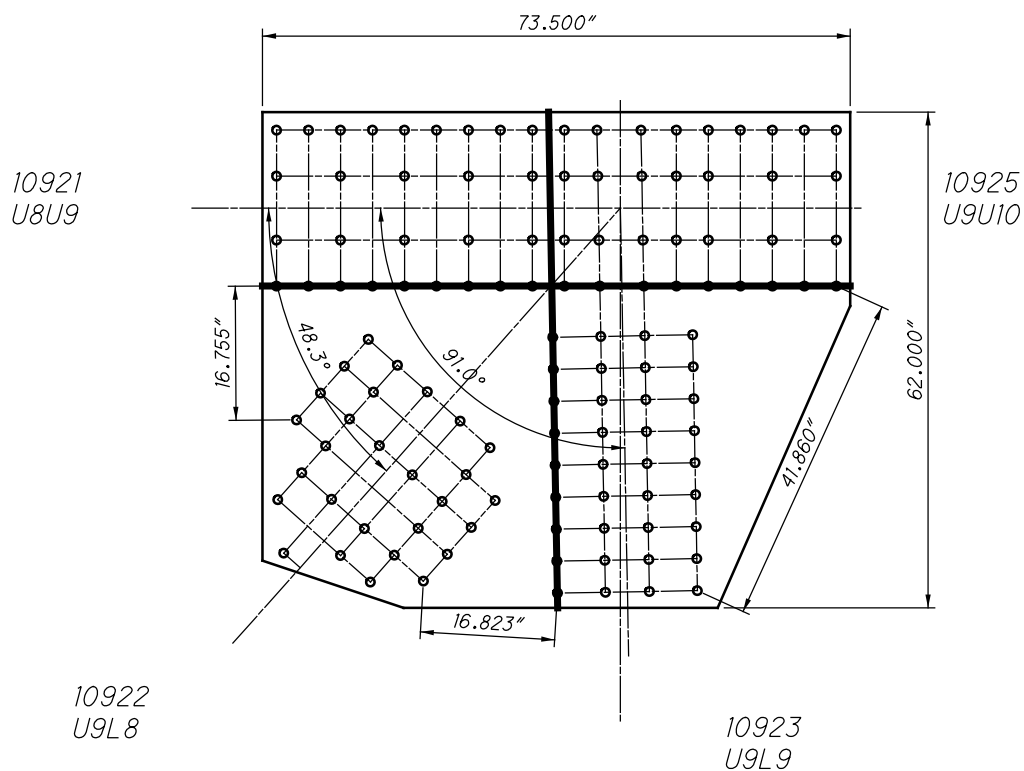
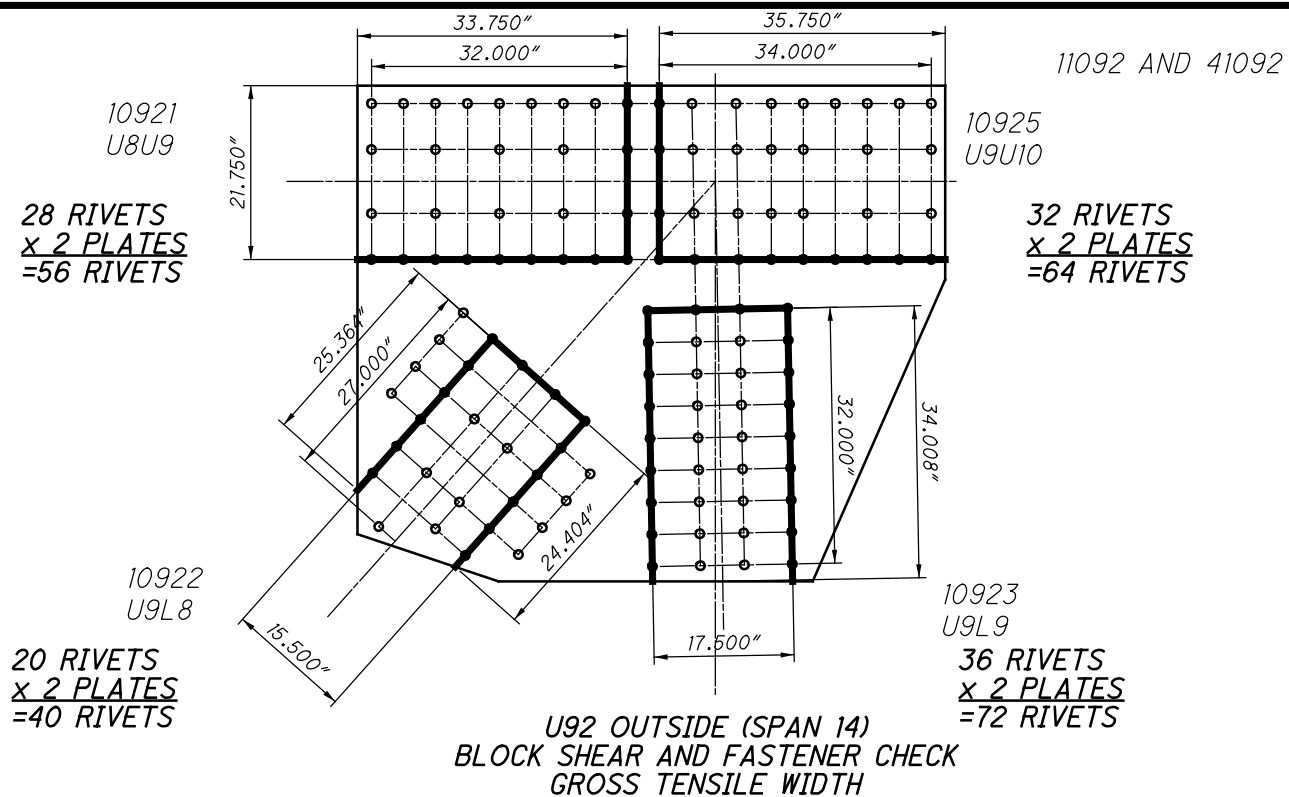
U92 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



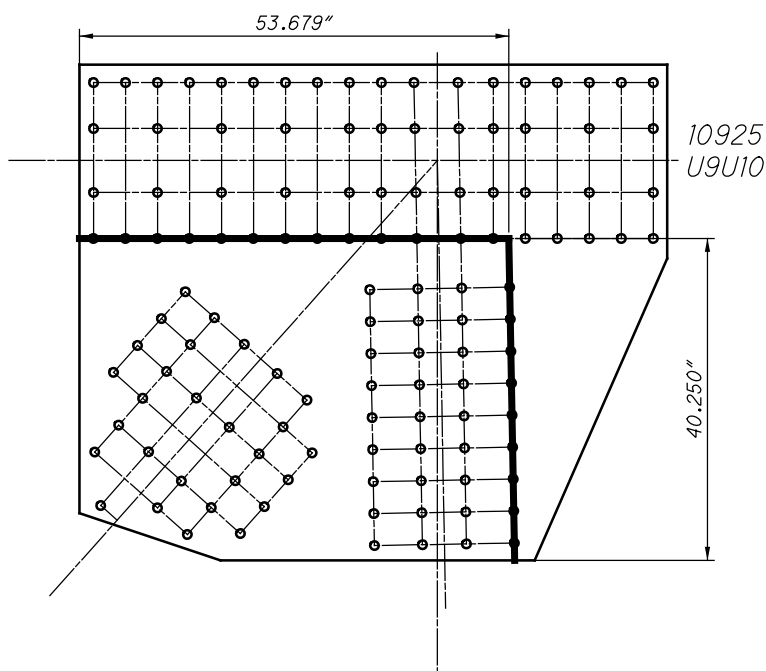
U92 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



U92 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

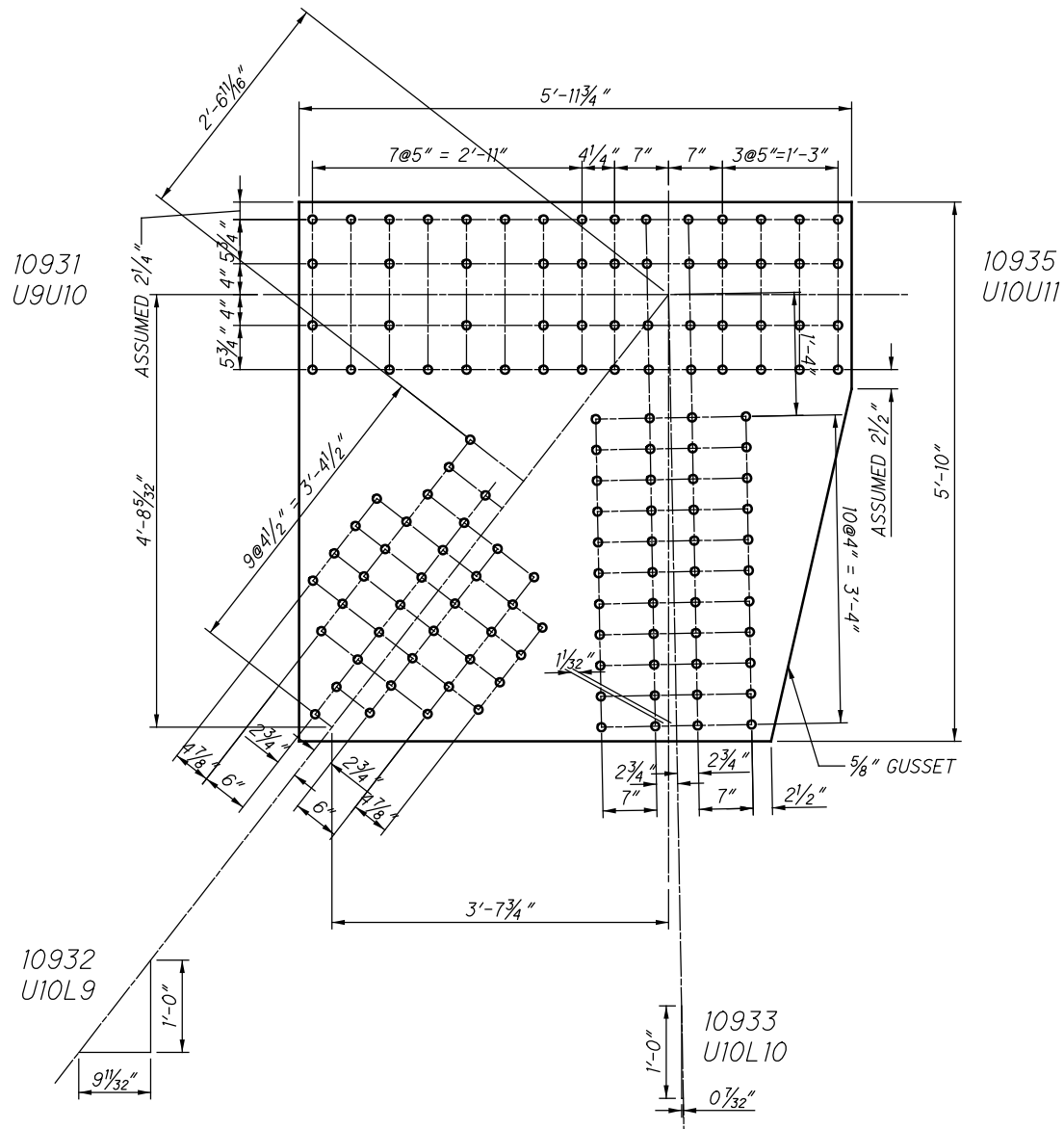


10921
U8U9



11092 AND 41092

U92 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



U93 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

10931
U9U10

10935
U10U11

10932
U10L9

10933
U10L10

Lc = 8.903"

Lc = 6.310"

U93 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

CHORD IS CONTINUOUS

10931
U9U10

10935
U10U11

10932
U10L9

10933
U10L10

U93 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

CHORD IS CONTINUOUS

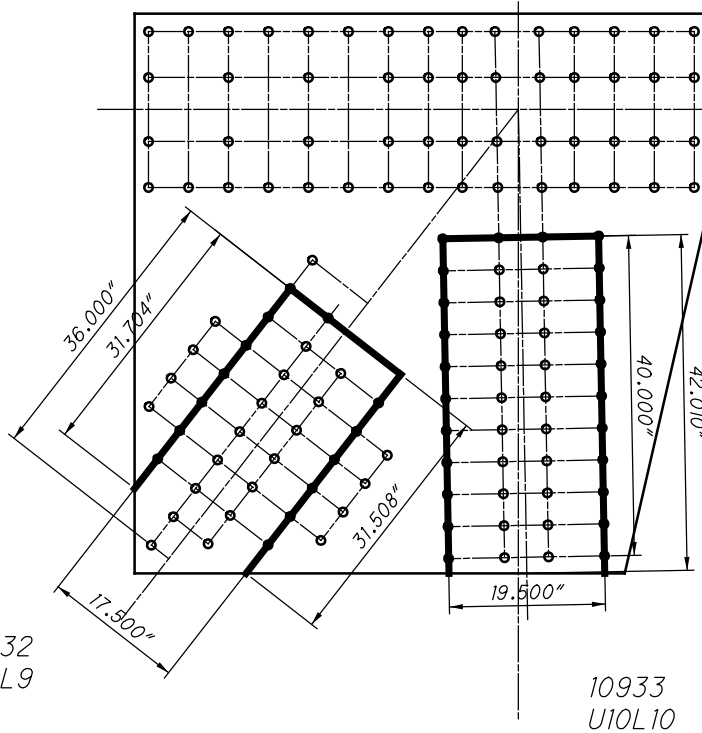
11093 AND 41093

10931
U9U10

10935
U10U11

30 RIVETS
x 2 PLATES
=60 RIVETS

10932
U10L9



44 RIVETS
x 2 PLATES
=88 RIVETS

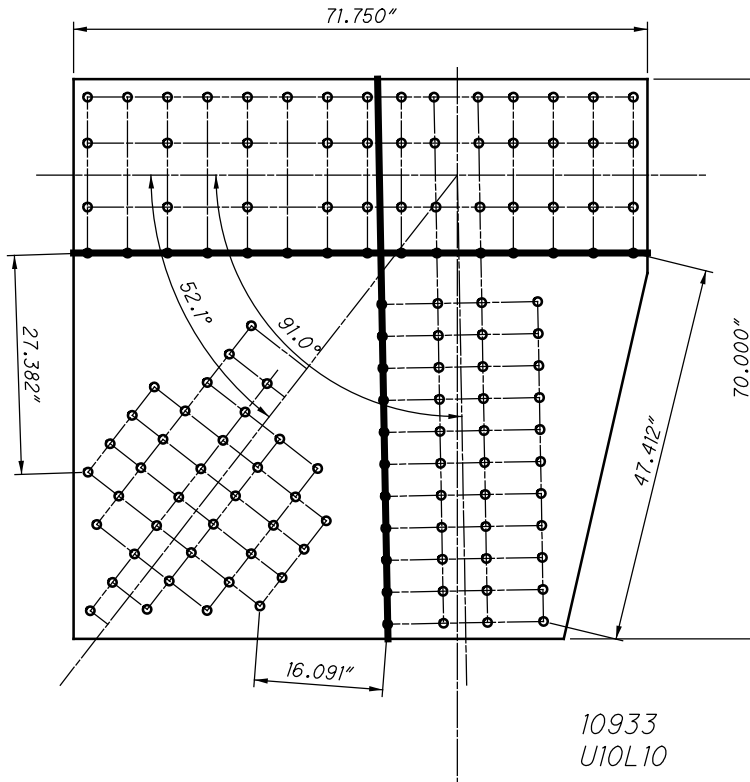
10933
U10L10

U93 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

10931
U9U10

10935
U10U11

10932
U10L9



10933
U10L10

U93 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

10931
U9U10

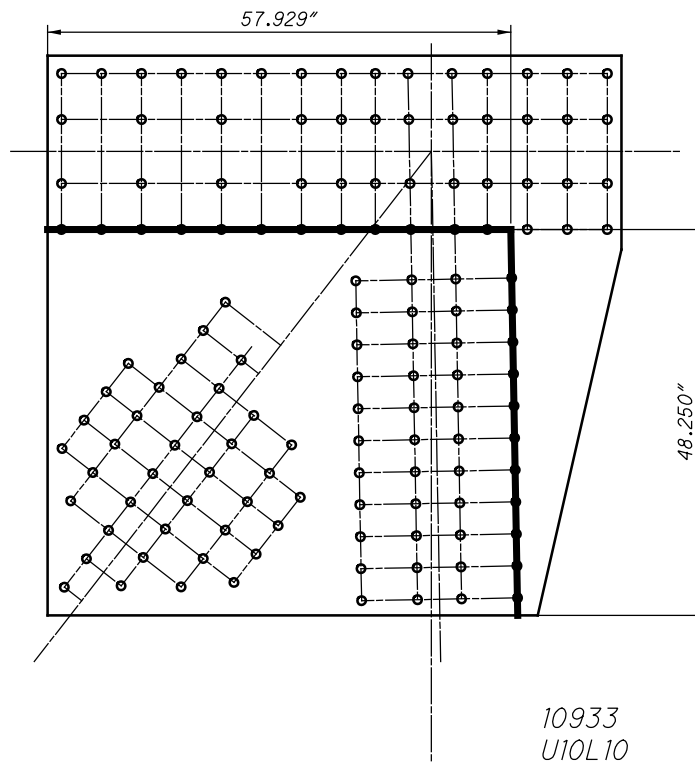
11093 AND 41093

10935
U10U11

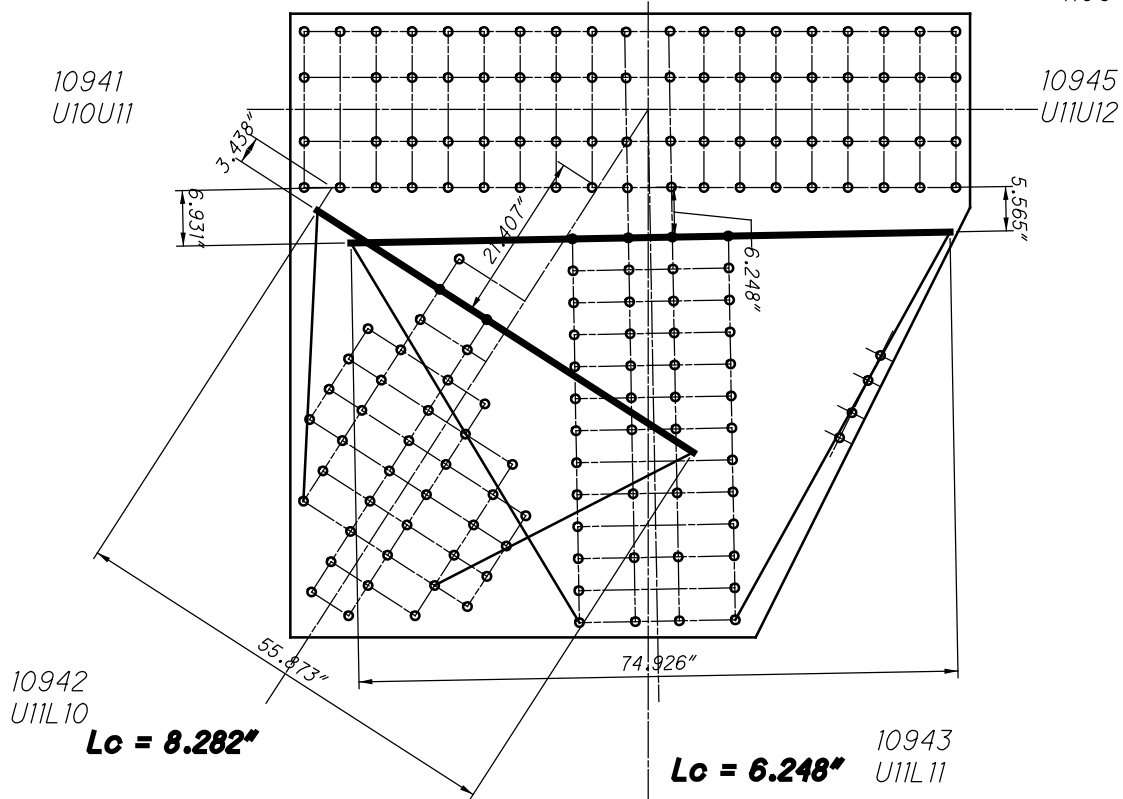
10932
U10L9

10933
U10L10

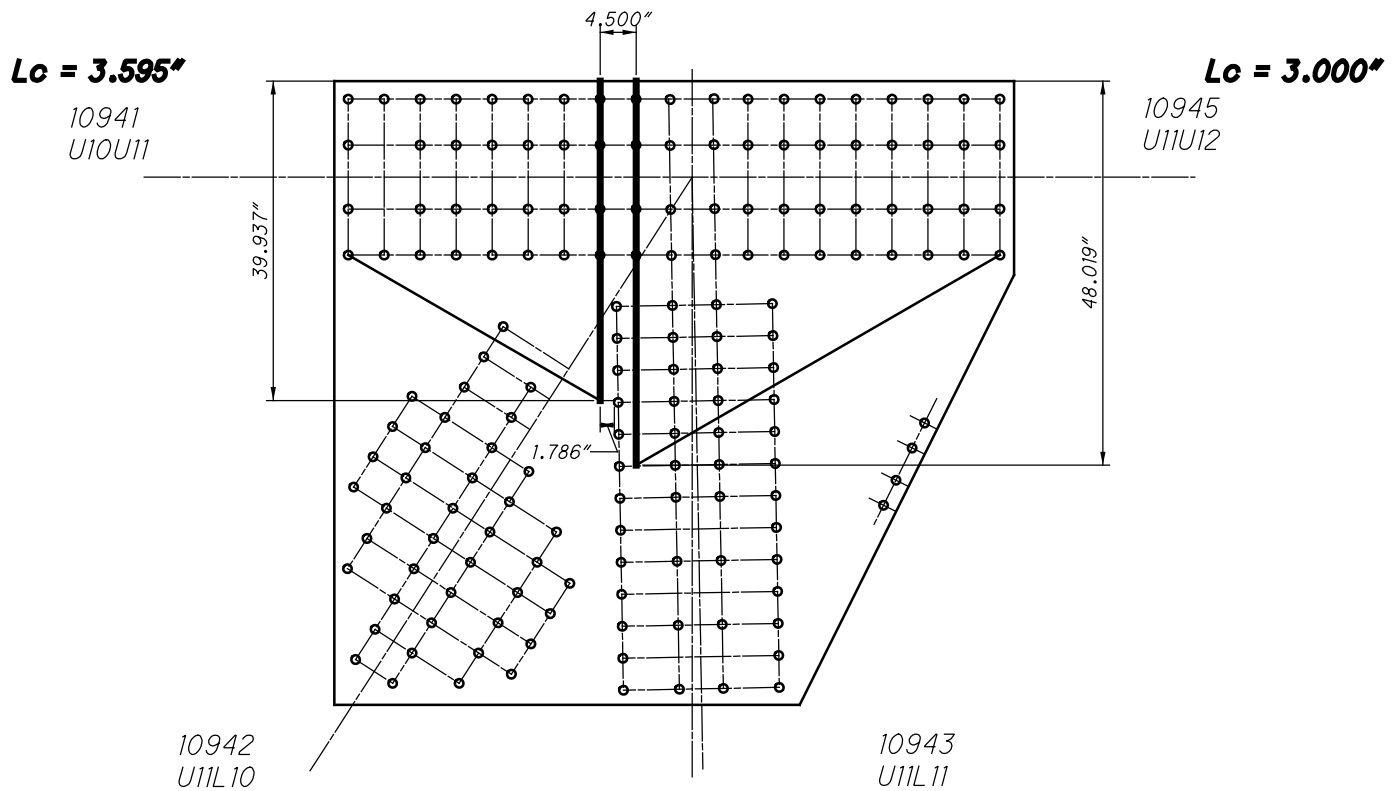
U93 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



(on the same shop drawing as U2 0)



U4 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



U4 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

10941
U10U11
**30 RIVETS
x 2 PLATES
=60 RIVETS**

11094 AND 41094

10945
U11U12

**44 RIVETS
x 2 PLATES
=88 RIVETS**

10942
U11L10

**33 RIVETS
x 2 PLATES
=66 RIVETS**

10943
U11L11

**46 RIVETS
x 2 PLATES
=92 RIVETS**

**U94 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

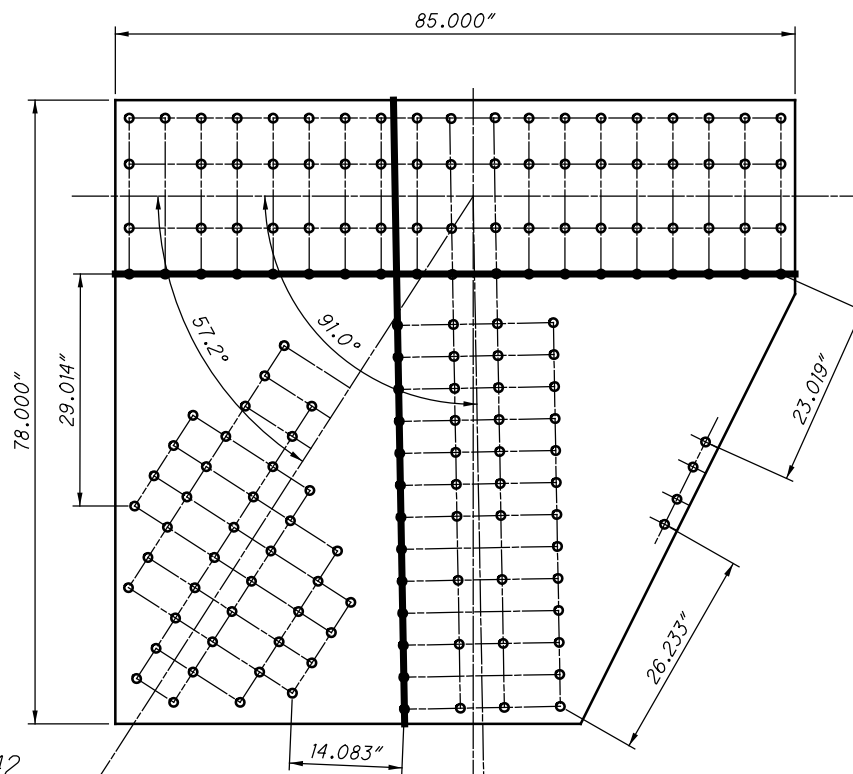
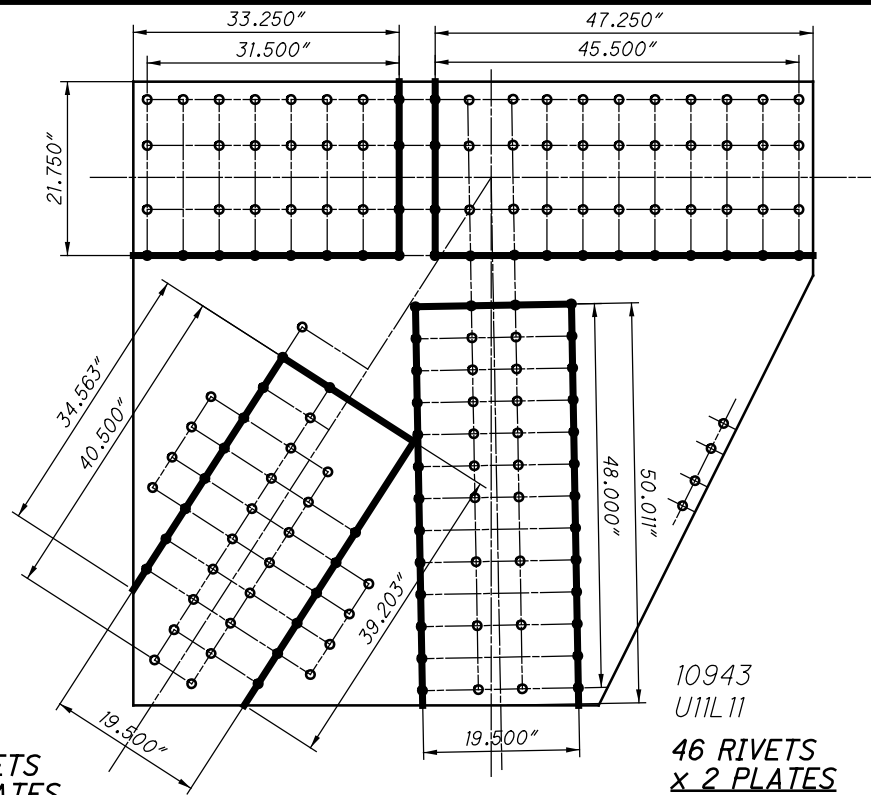
10941
U10U11

10945
U11U12

10942
U11L10

10943
U11L11

**U94 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK**



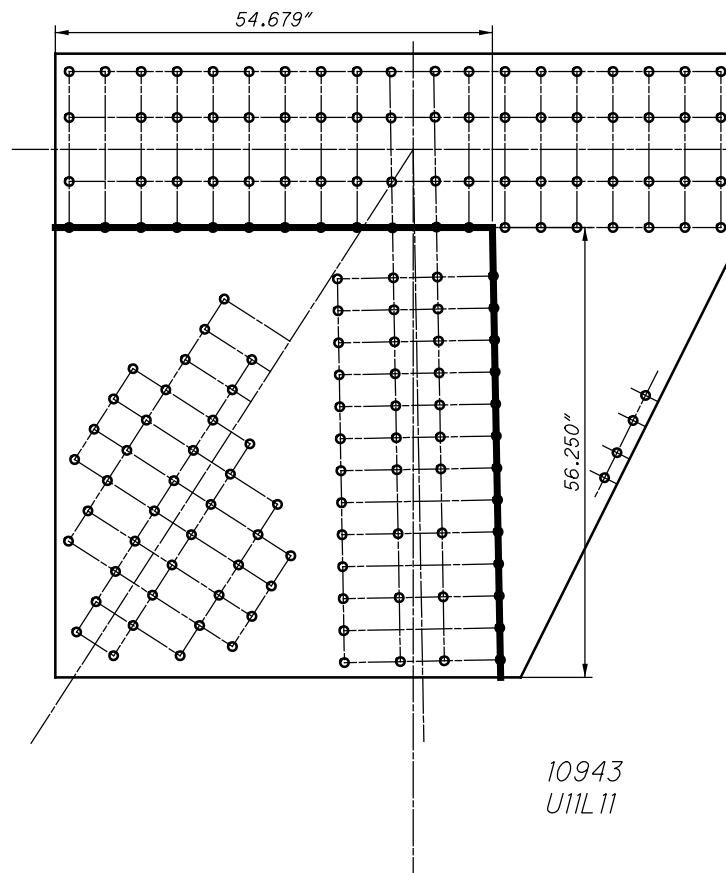
10941
U10U11

11094 AND 41094

10945
U11U12

10942
U11L10

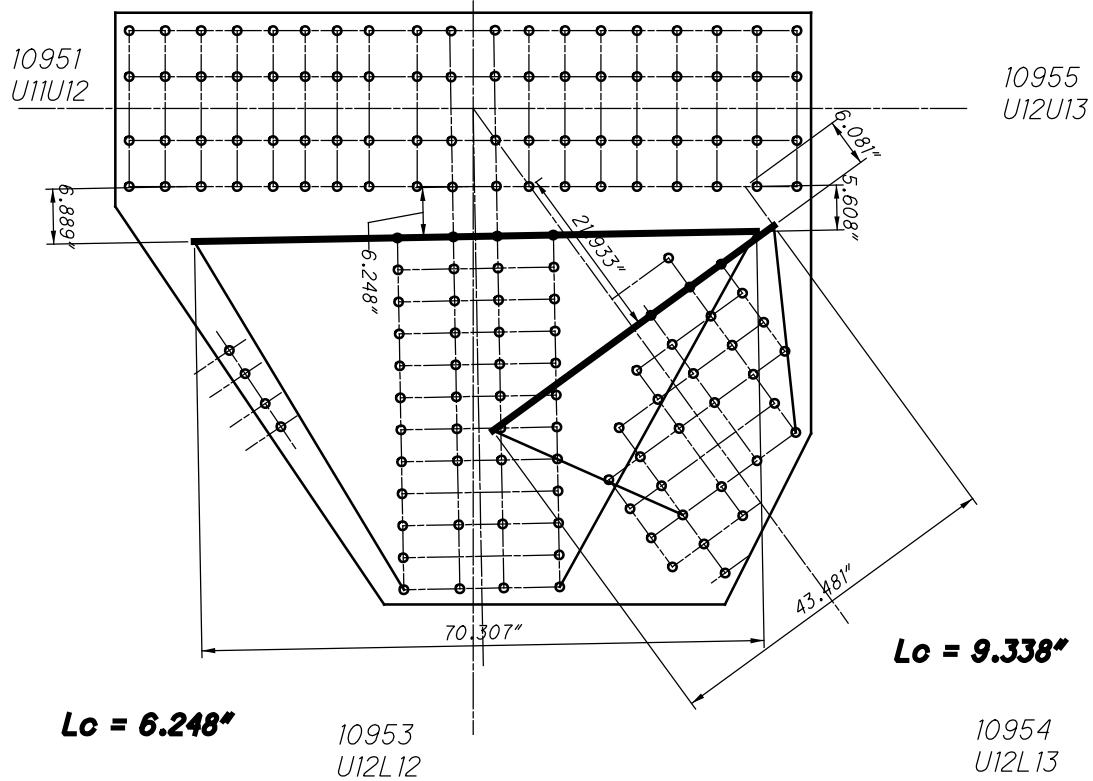
10943
U11L11



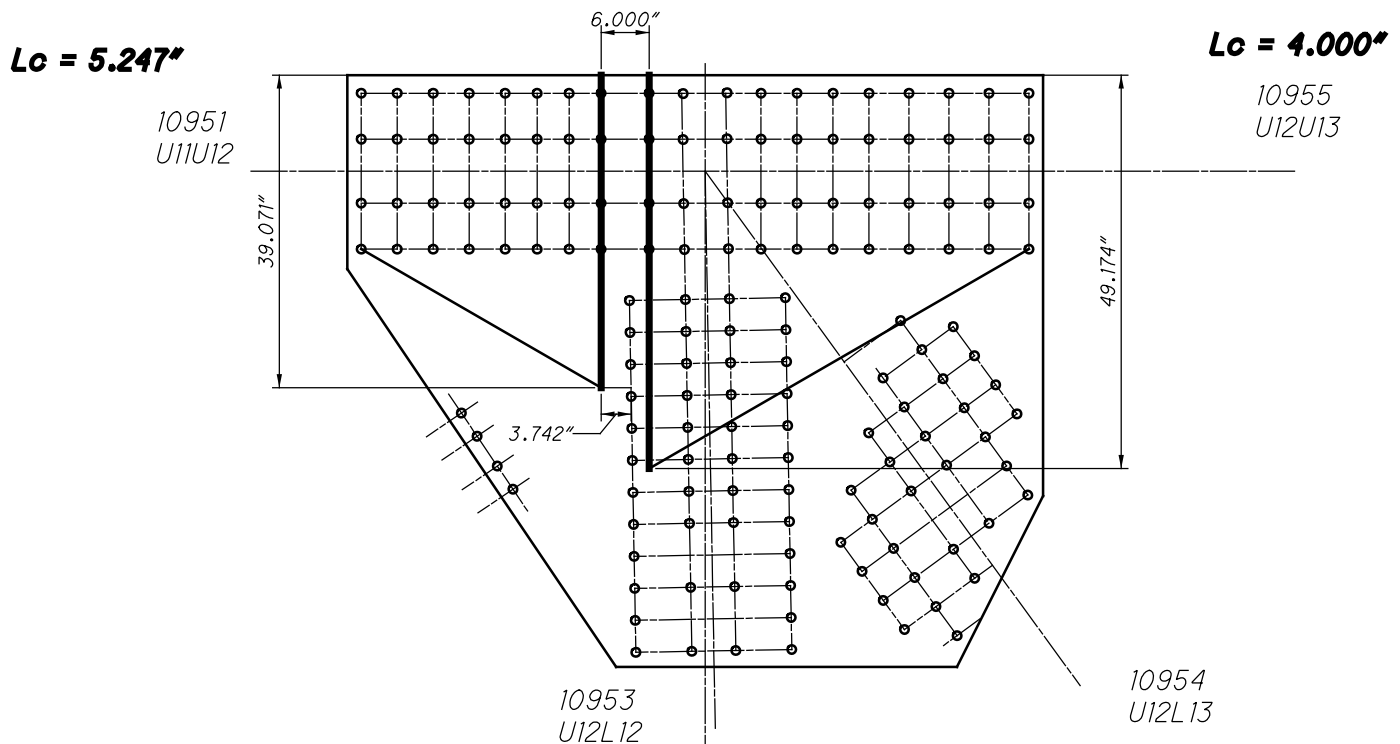
U94 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS

U95 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

11095 AND 41095

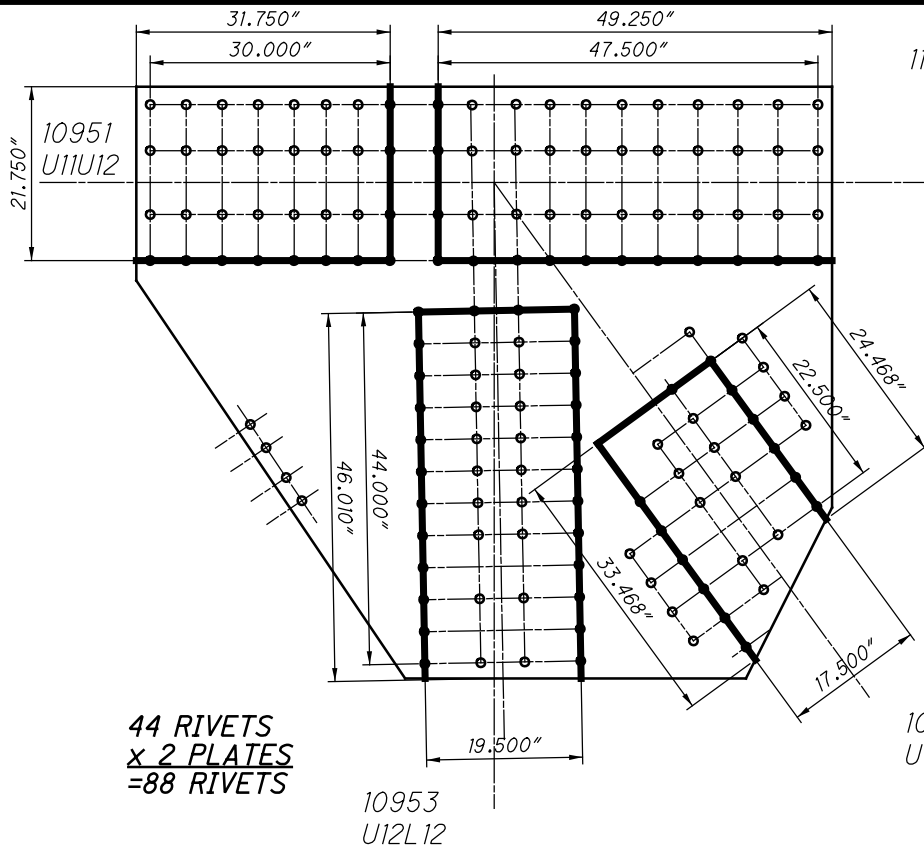


U95 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

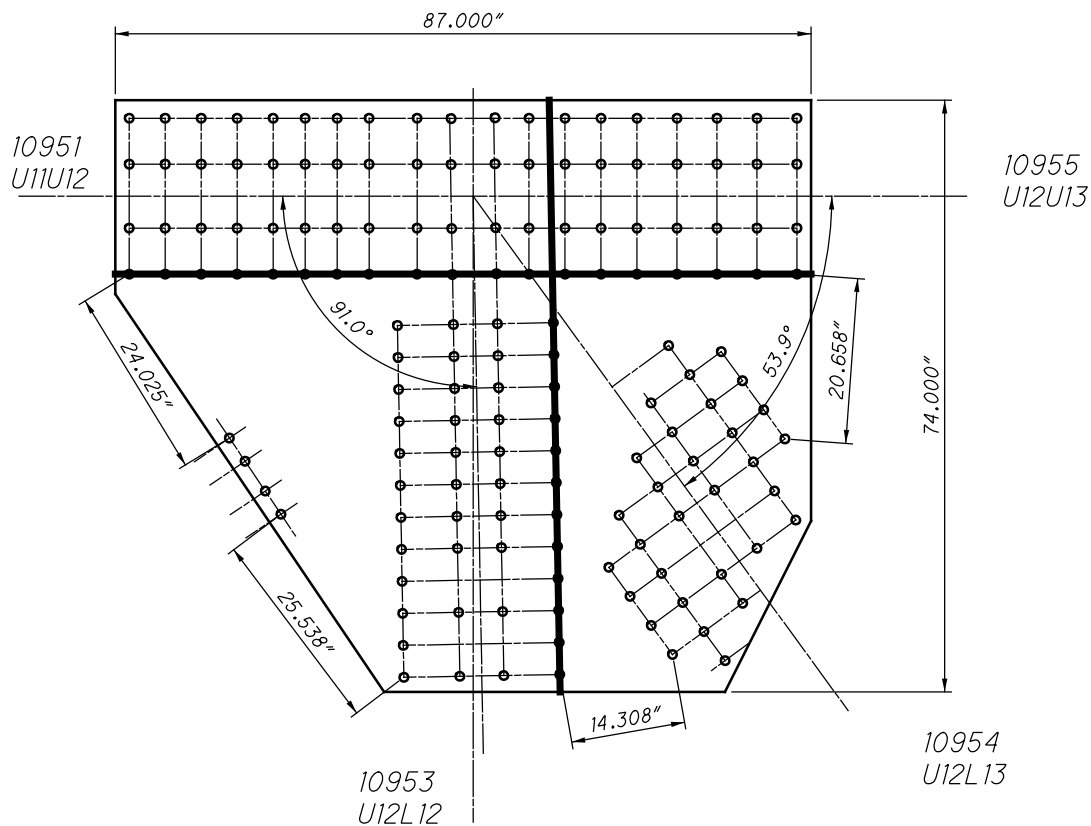


U95 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

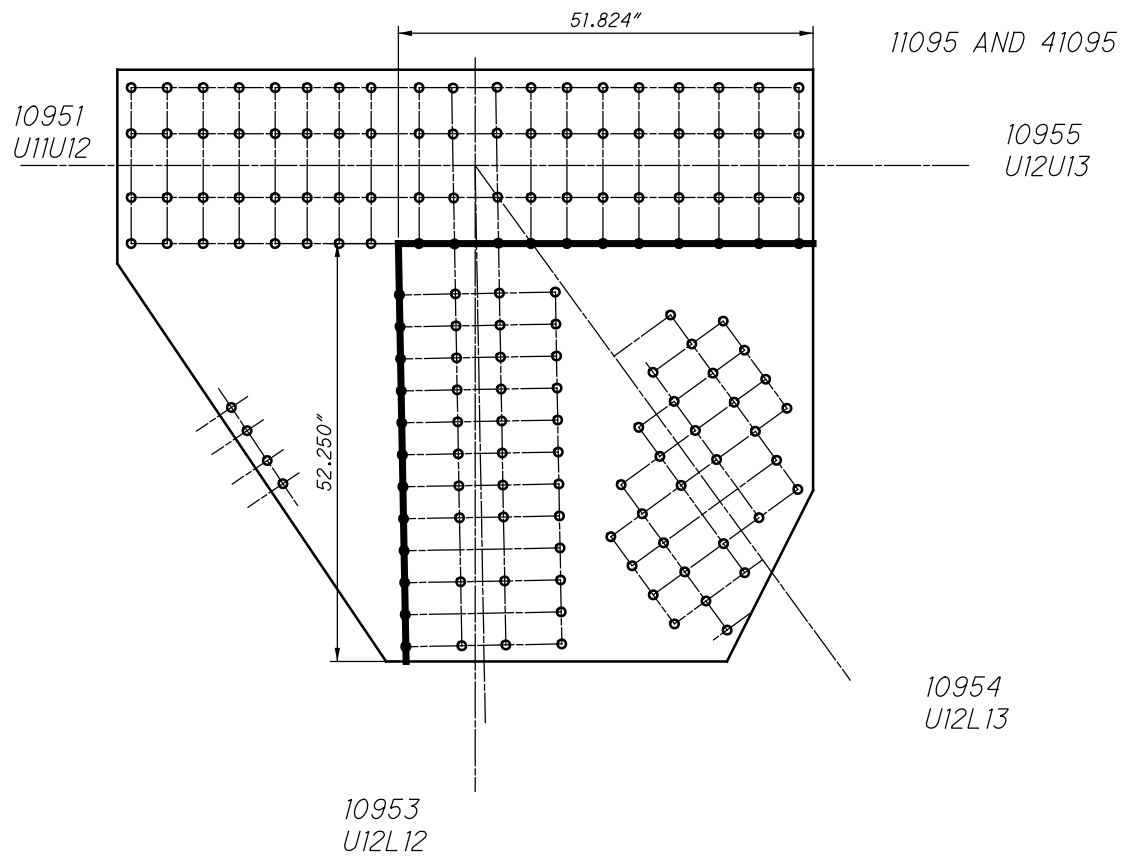
32 RIVETS
x 2 PLATES
=64 RIVETS



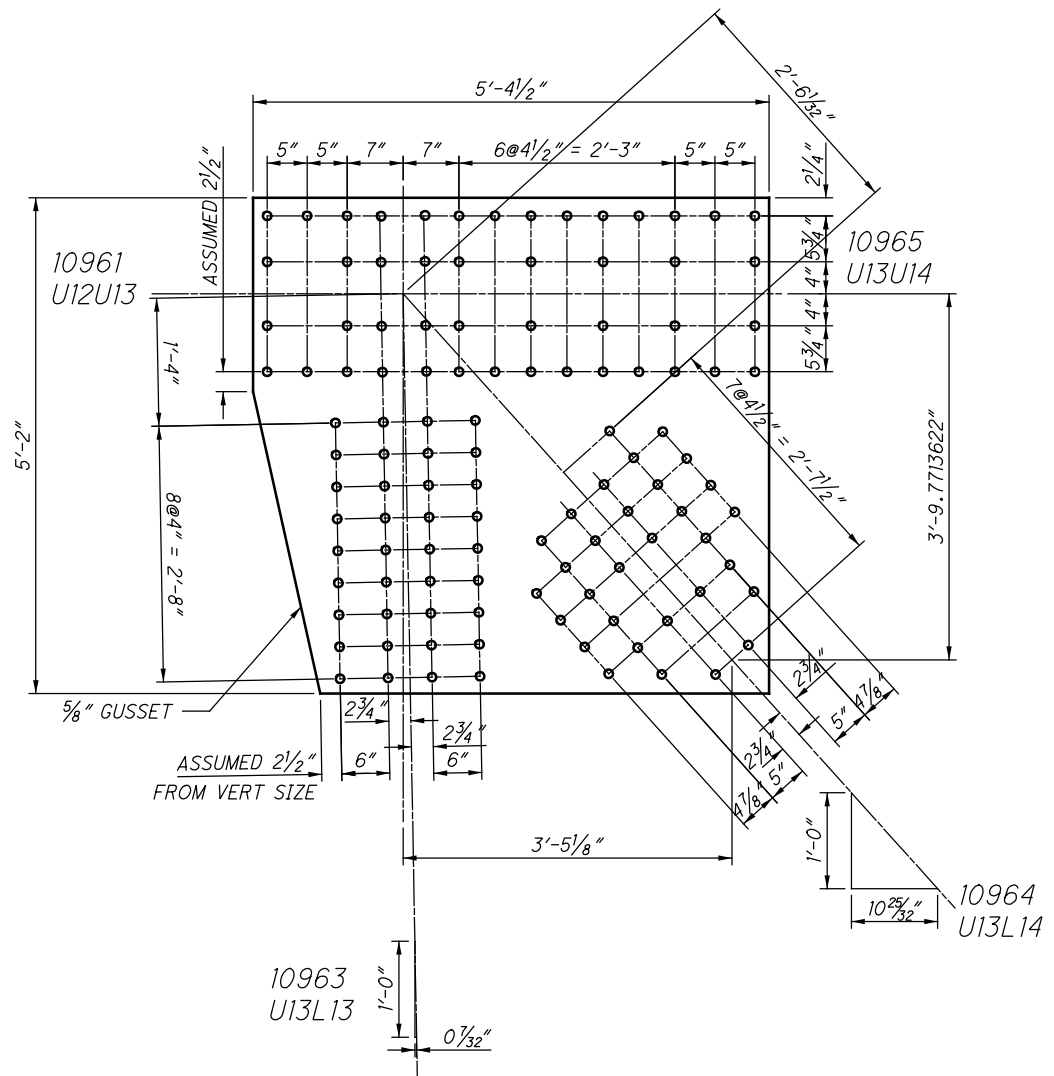
U95 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



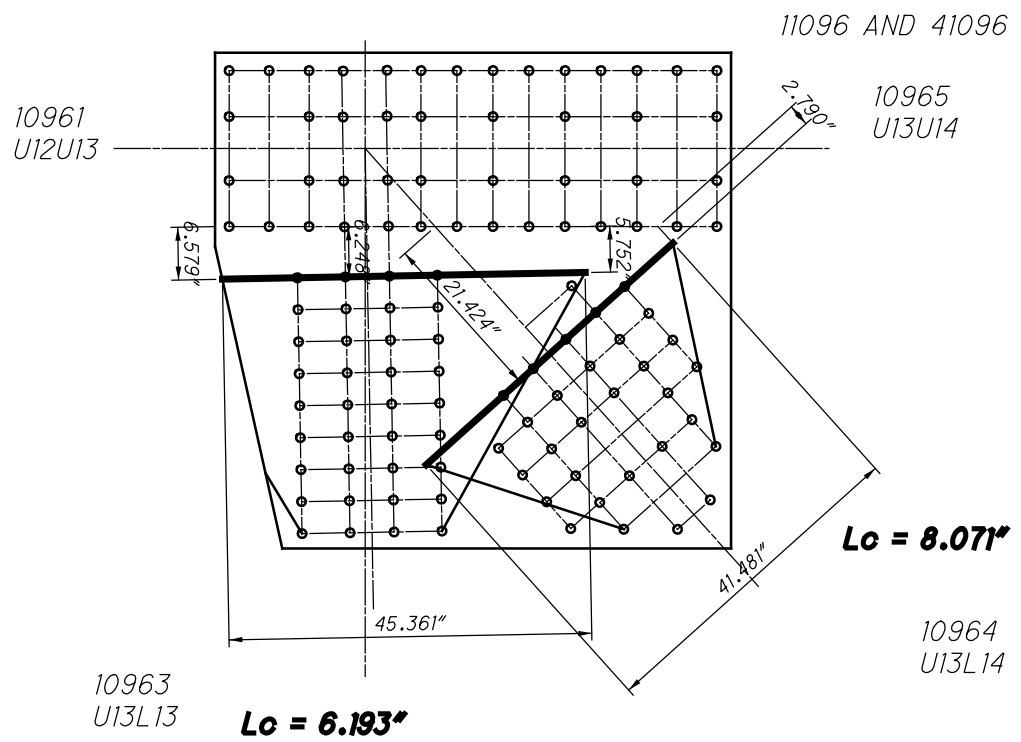
U95 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK



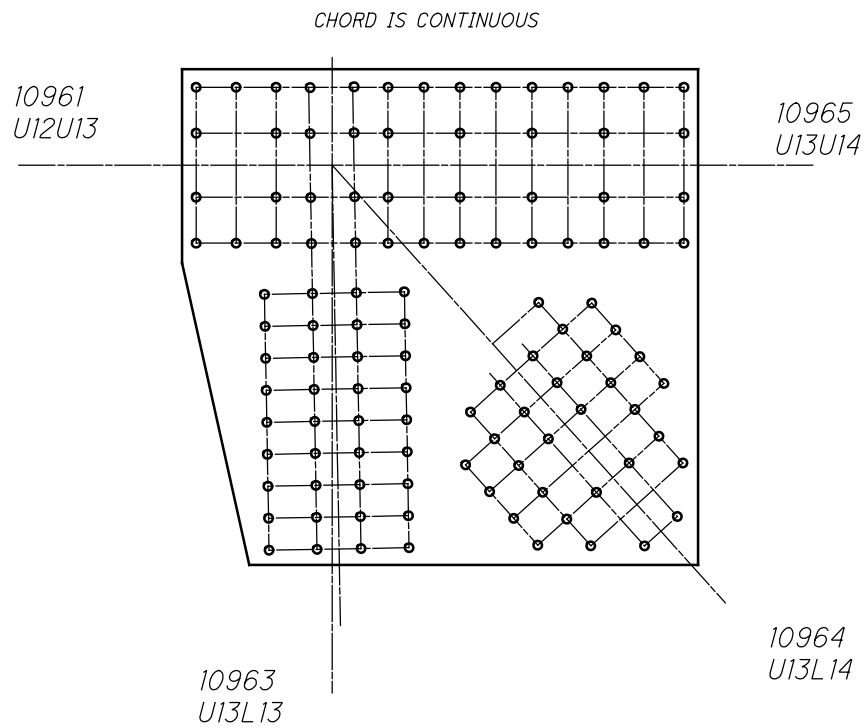
*U95 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS*



U96 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



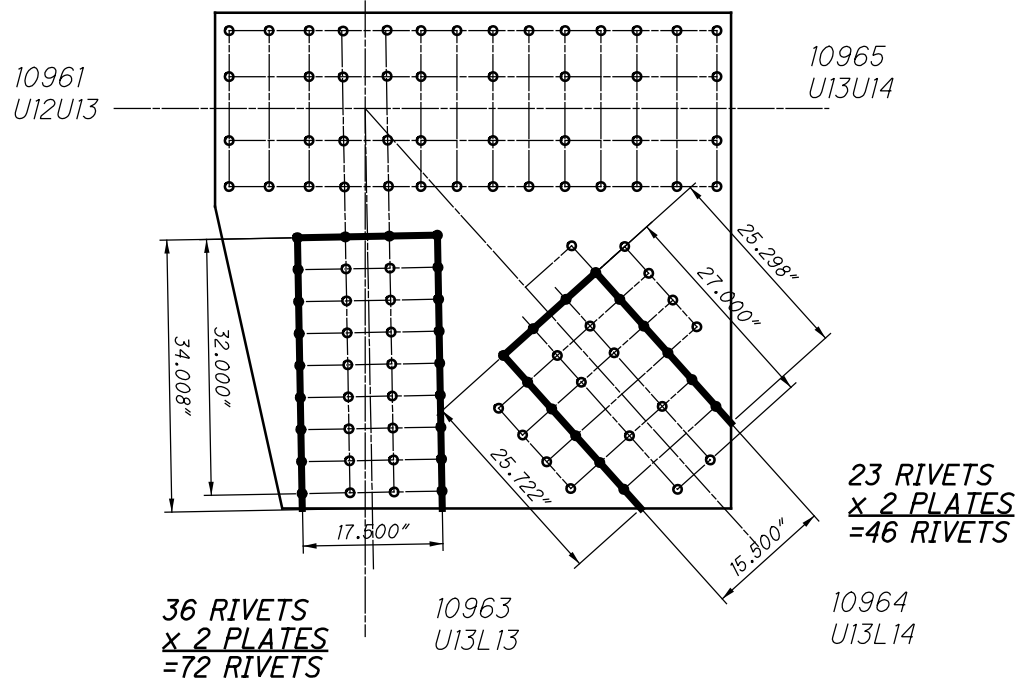
U96 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



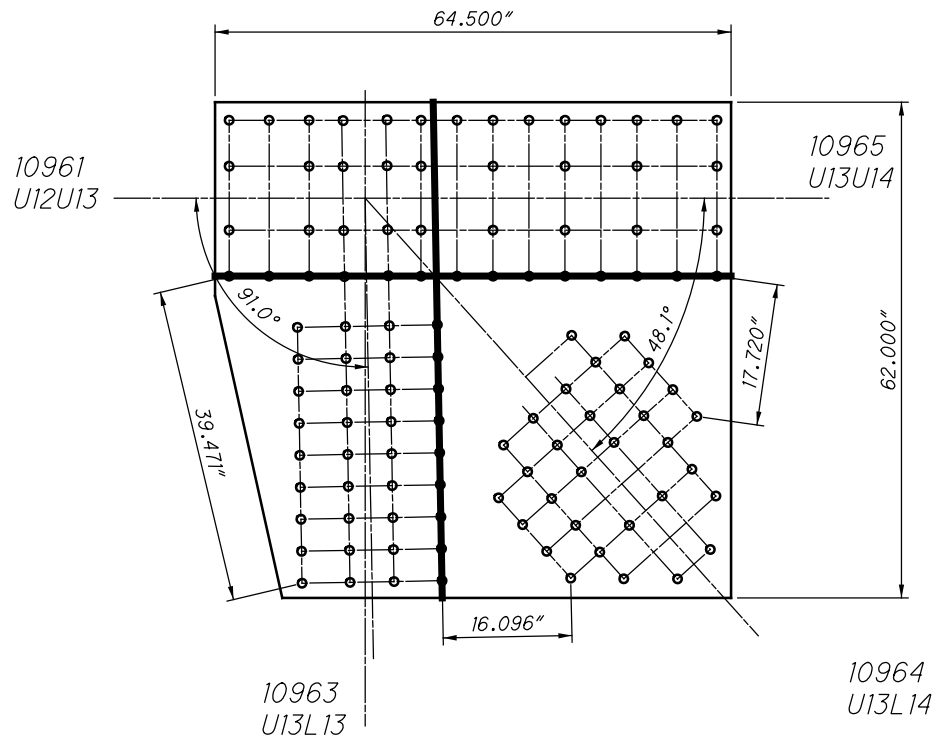
U96 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

CHORD IS CONTINUOUS

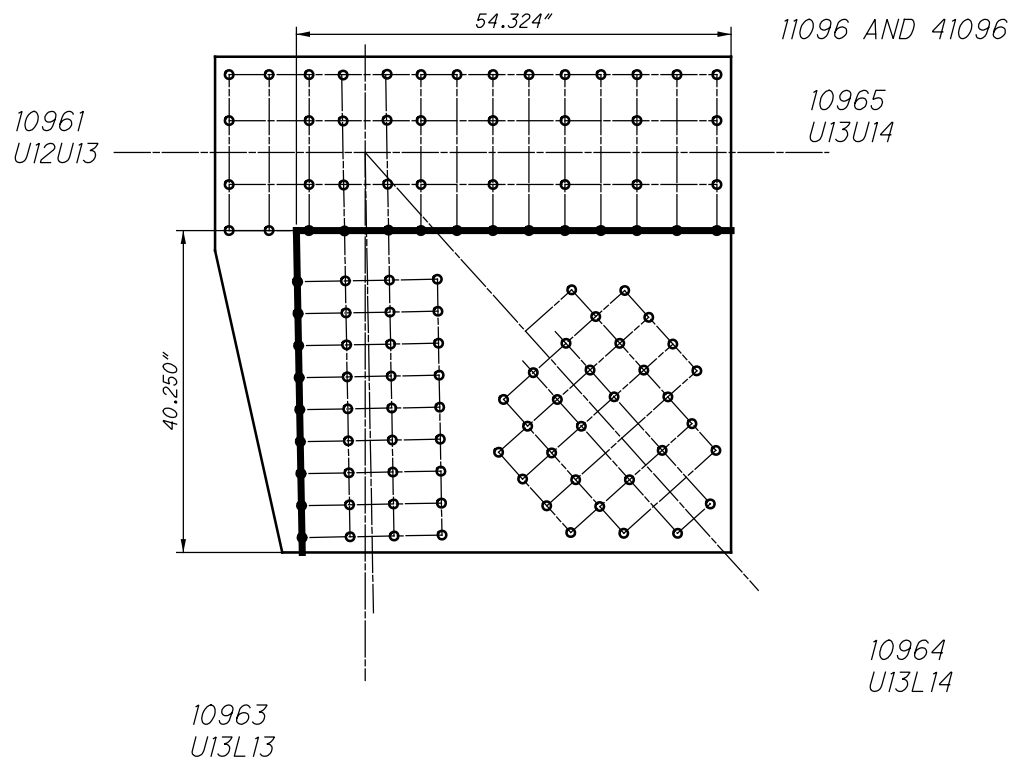
11096 AND 41096



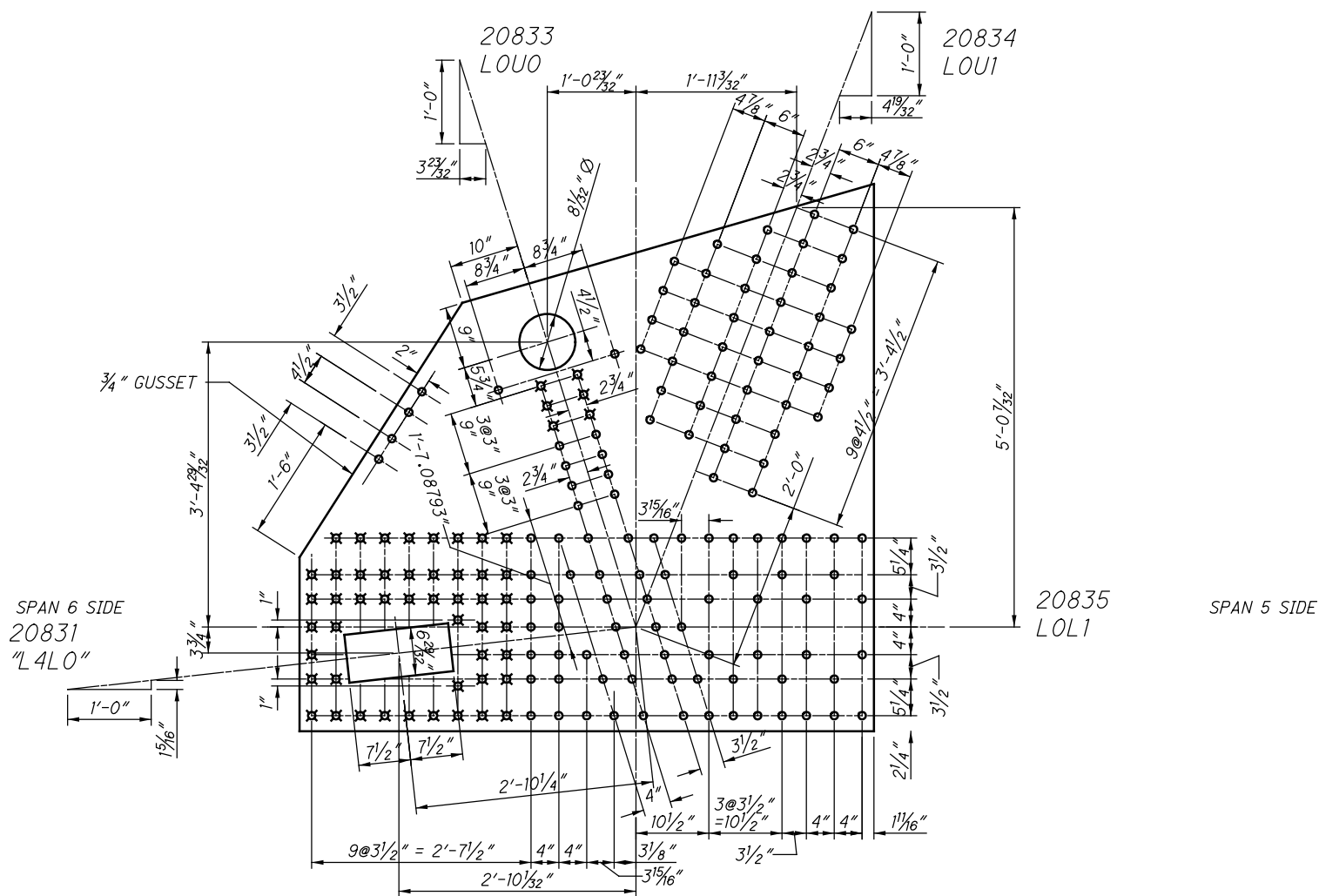
U96 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



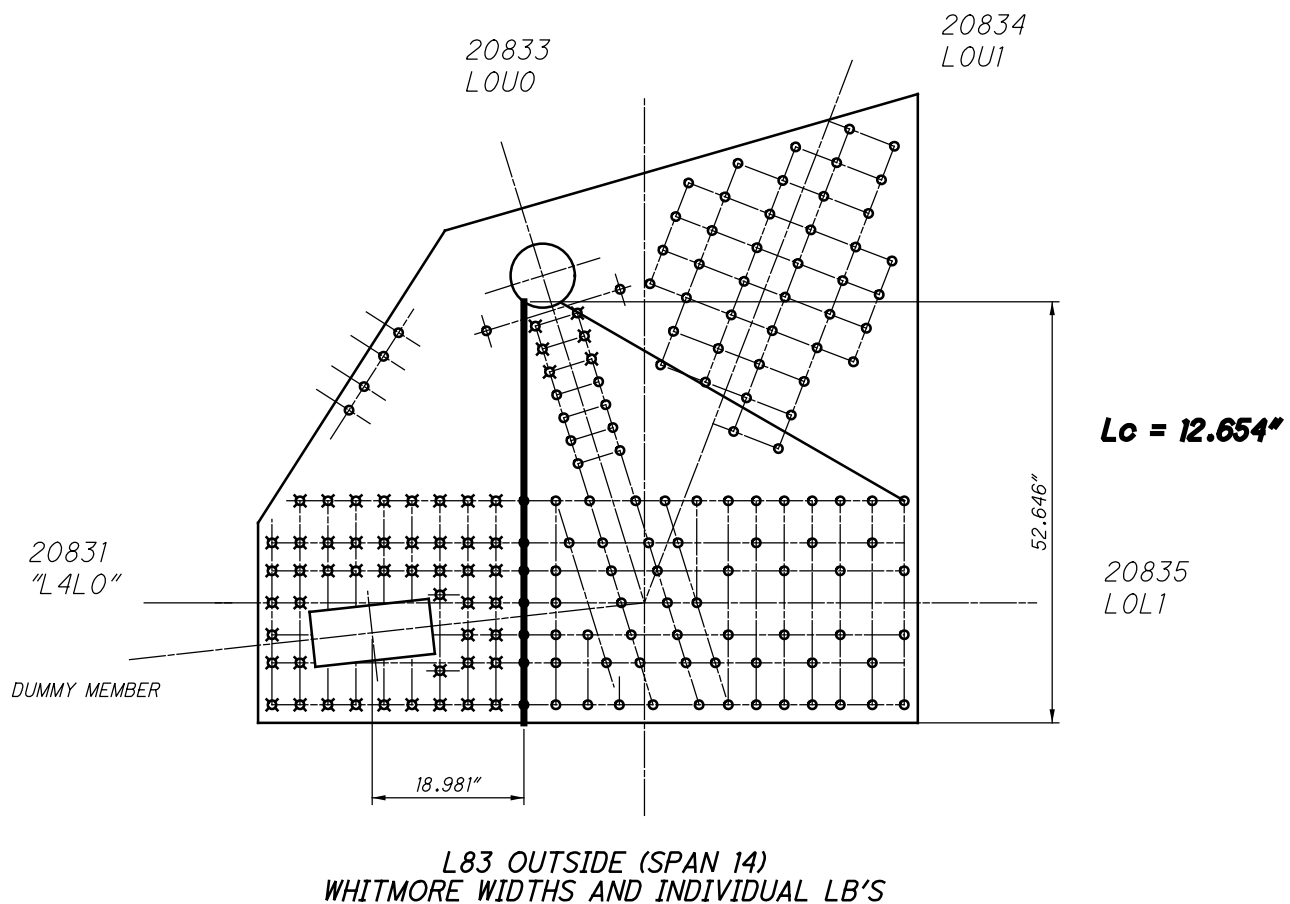
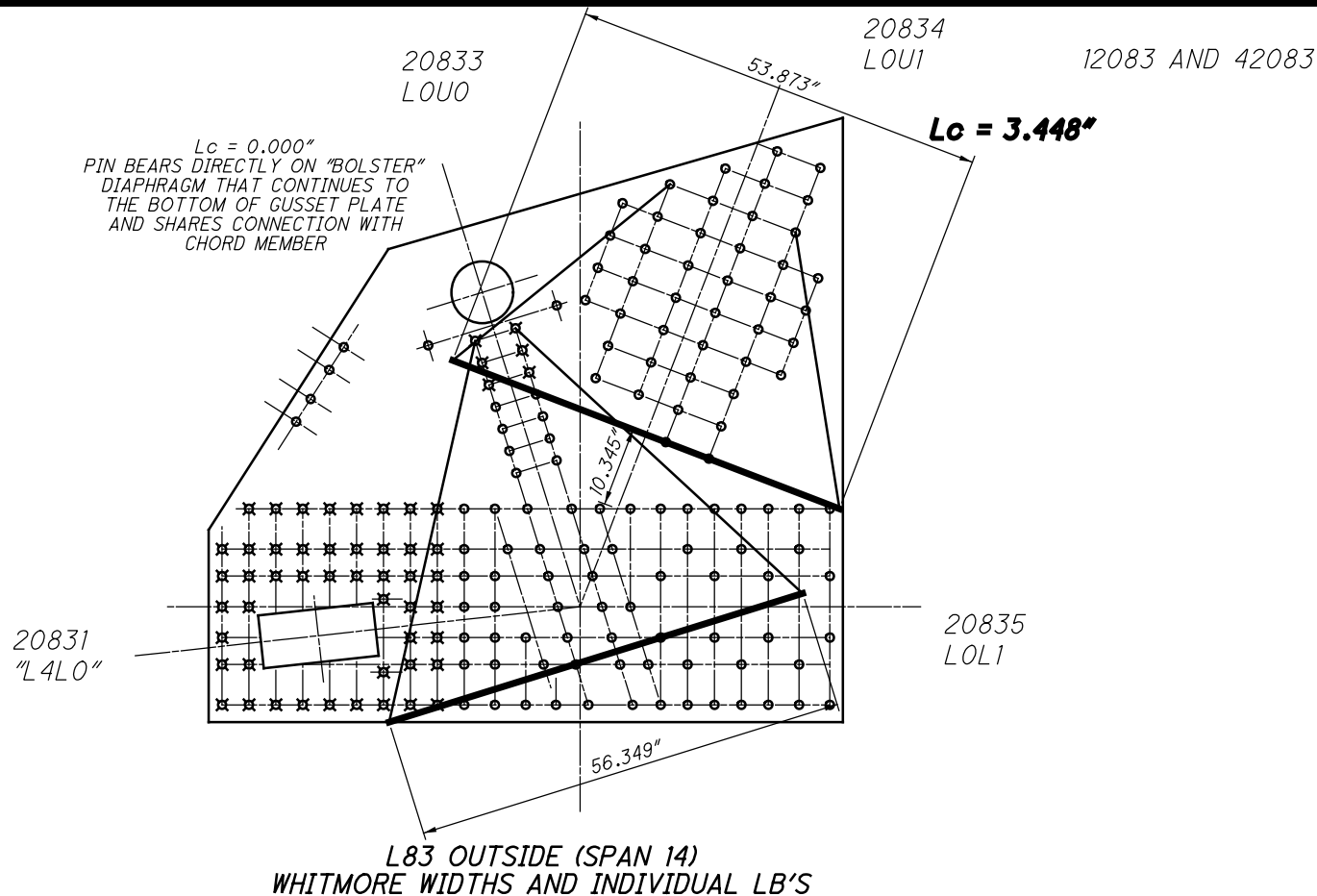
U96 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

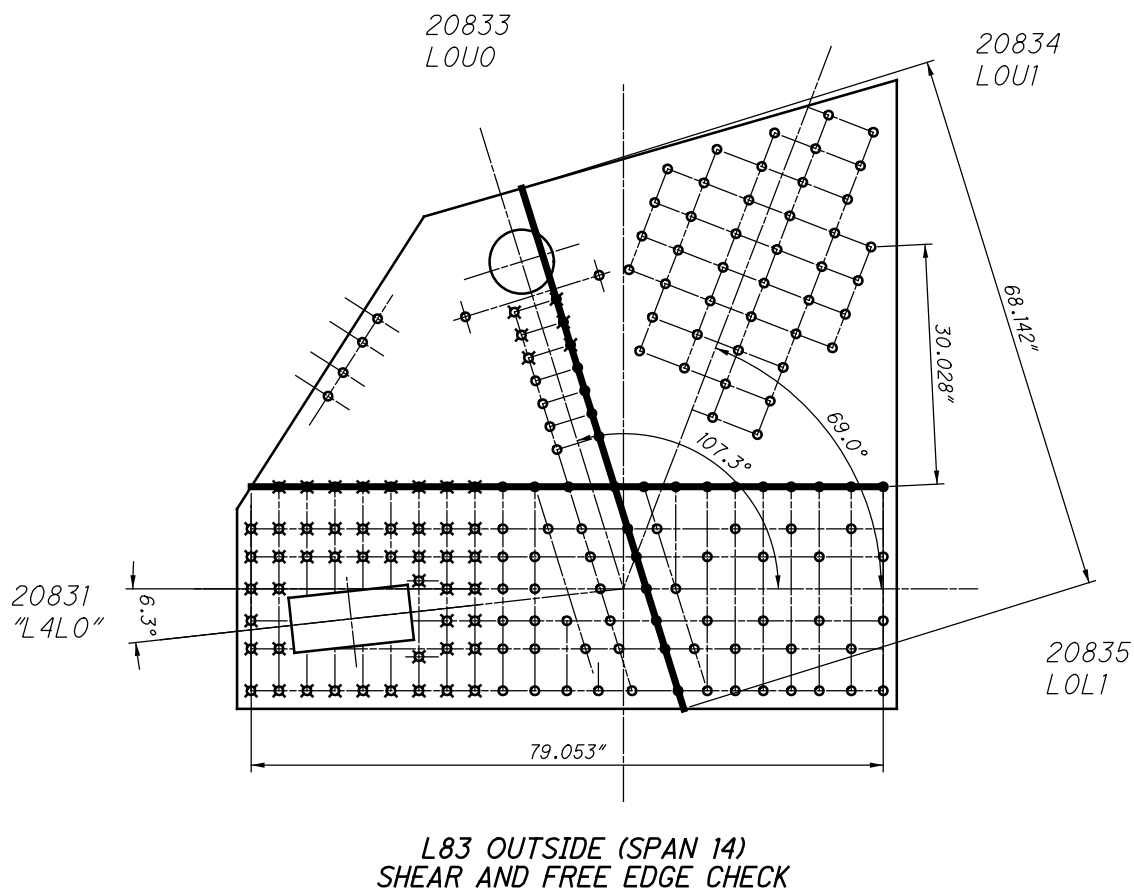
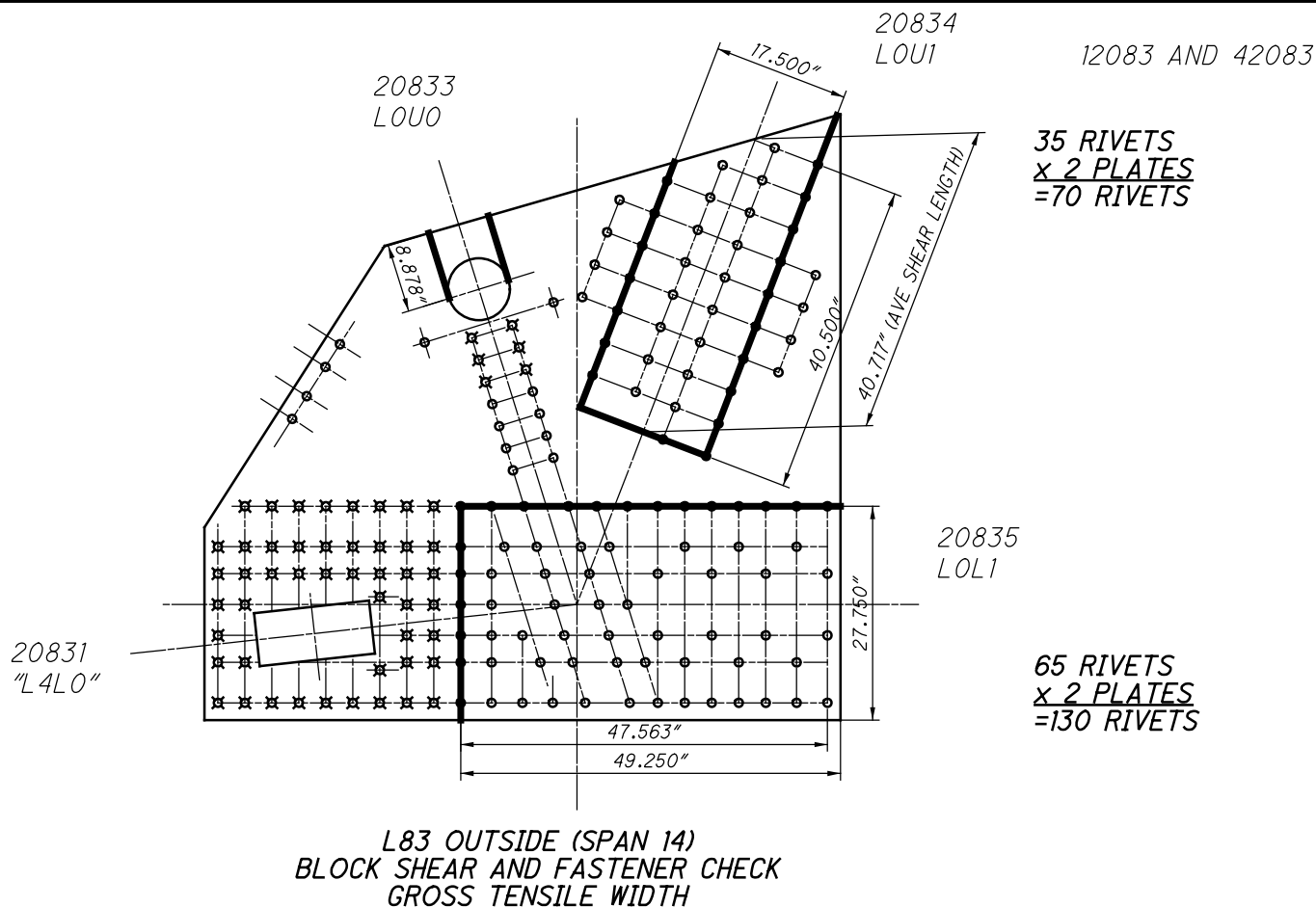


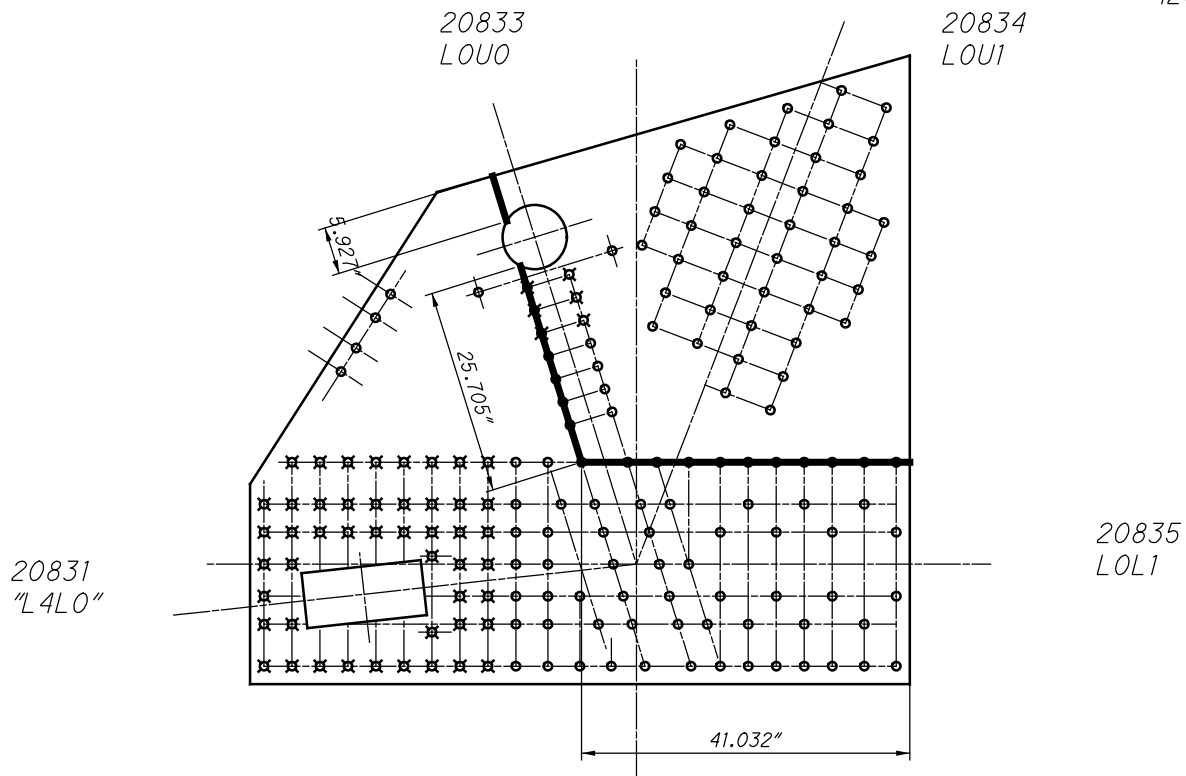
U96 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



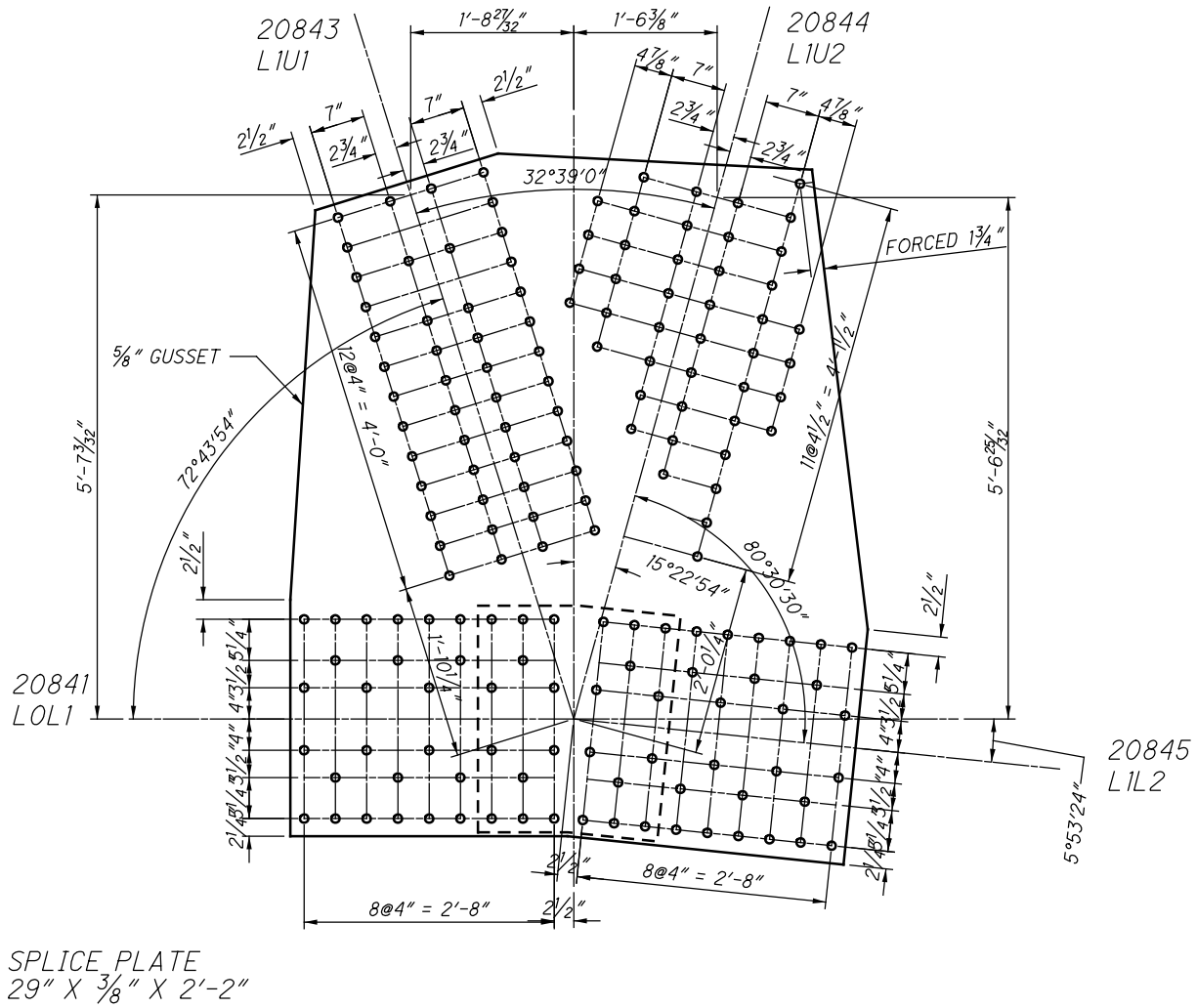
L83 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



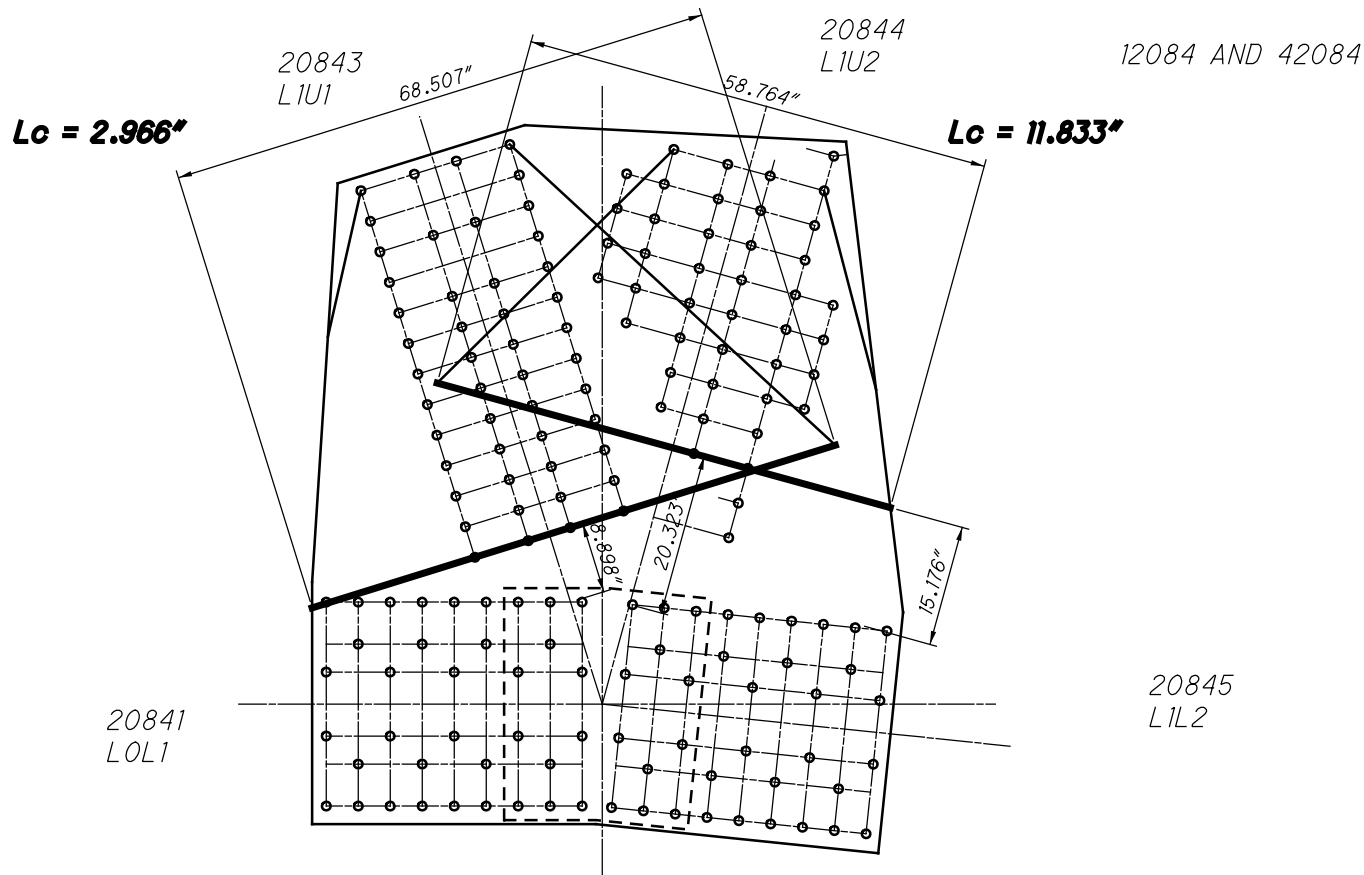




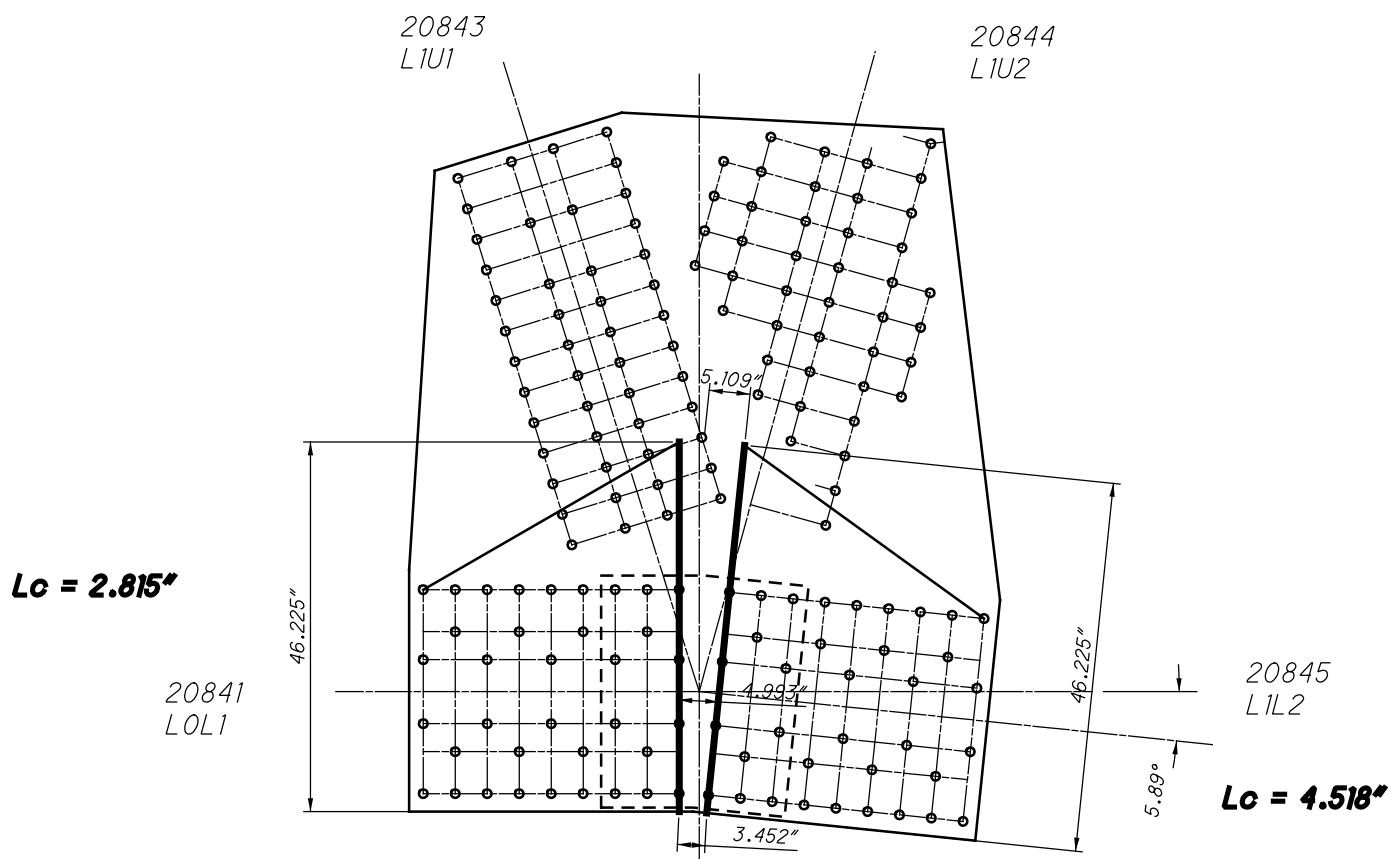
L83 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



L84 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



L84 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L84 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

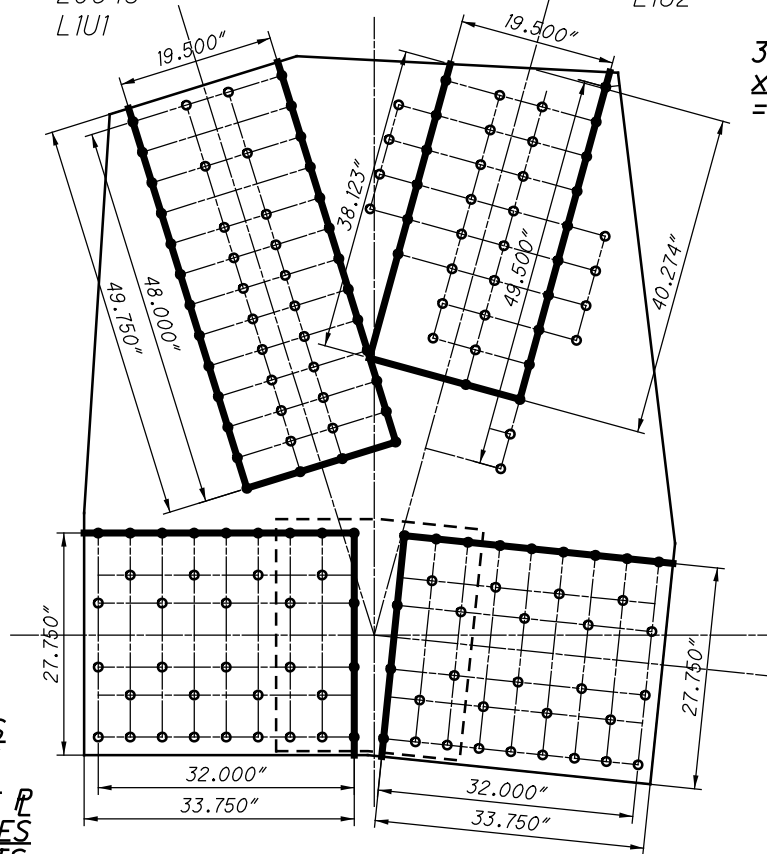
48 RIVETS
x 2 PLATES
=96 RIVETS

20843
L1U1

20844
L1U2

12084 AND 42084

35 RIVETS
x 2 PLATES
=70 RIVETS



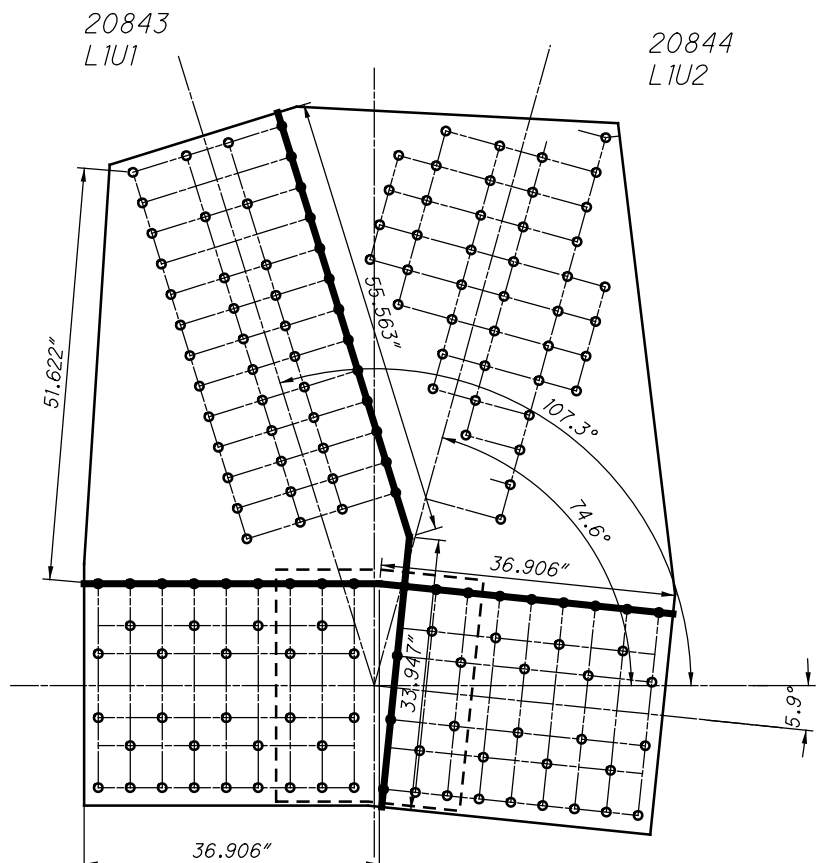
L84 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

20843
L1U1

20844
L1U2

20841
L0L1

20845
L1L2



L84 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

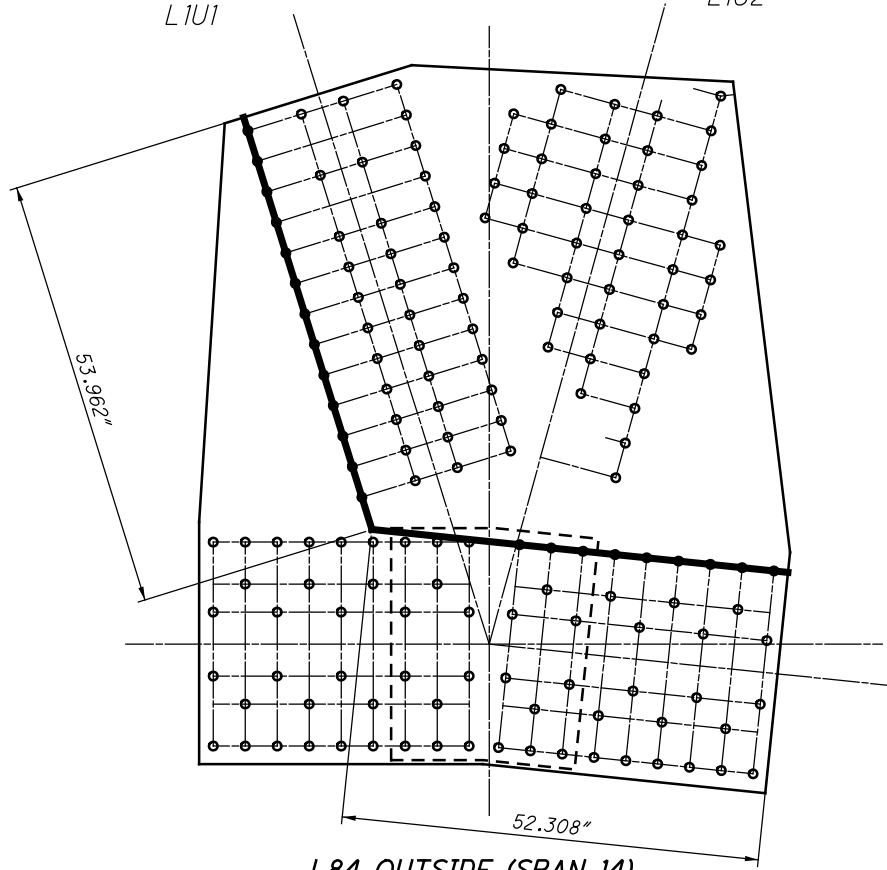
20843
L1U1

20844
L1U2

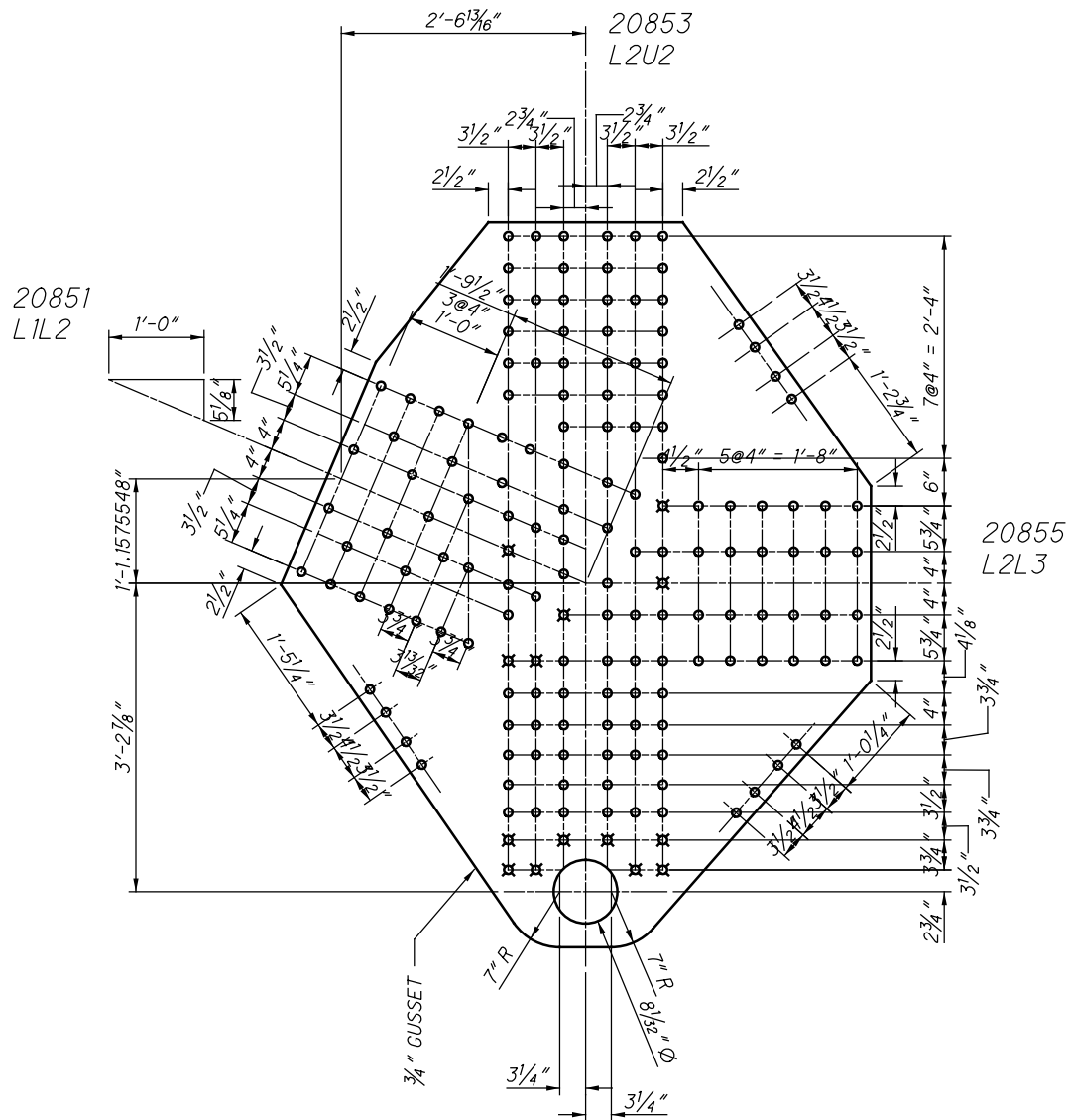
12084 AND 42084

20841
L0L1

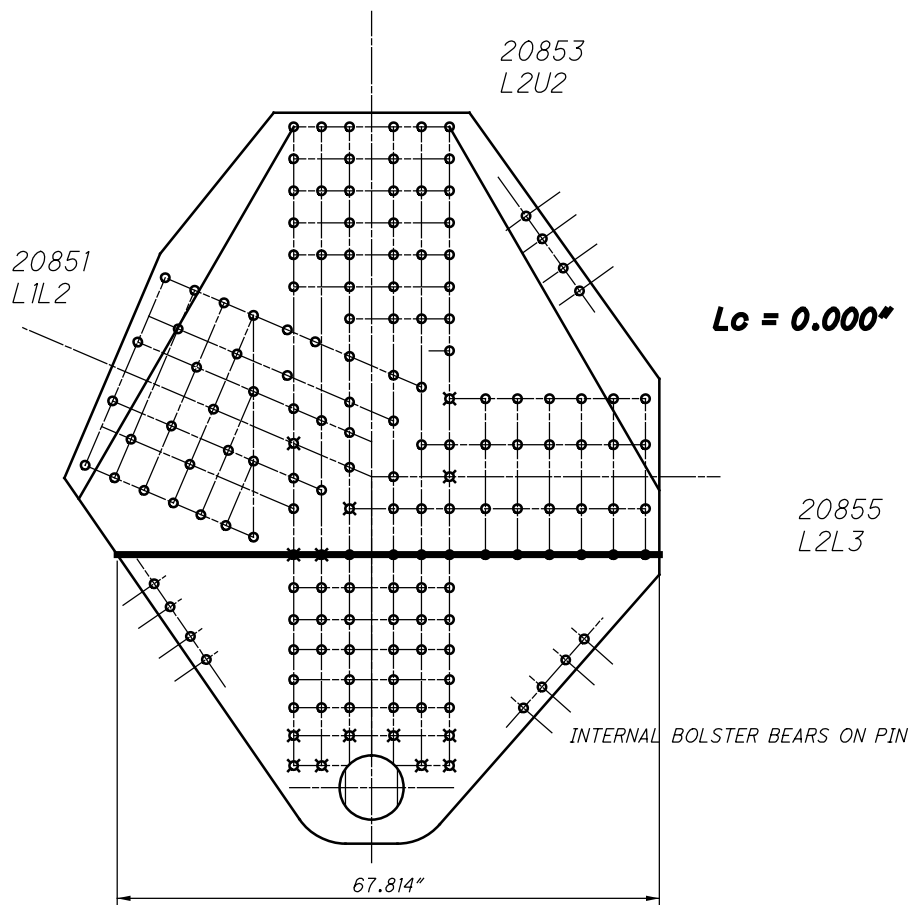
20845
L1L2



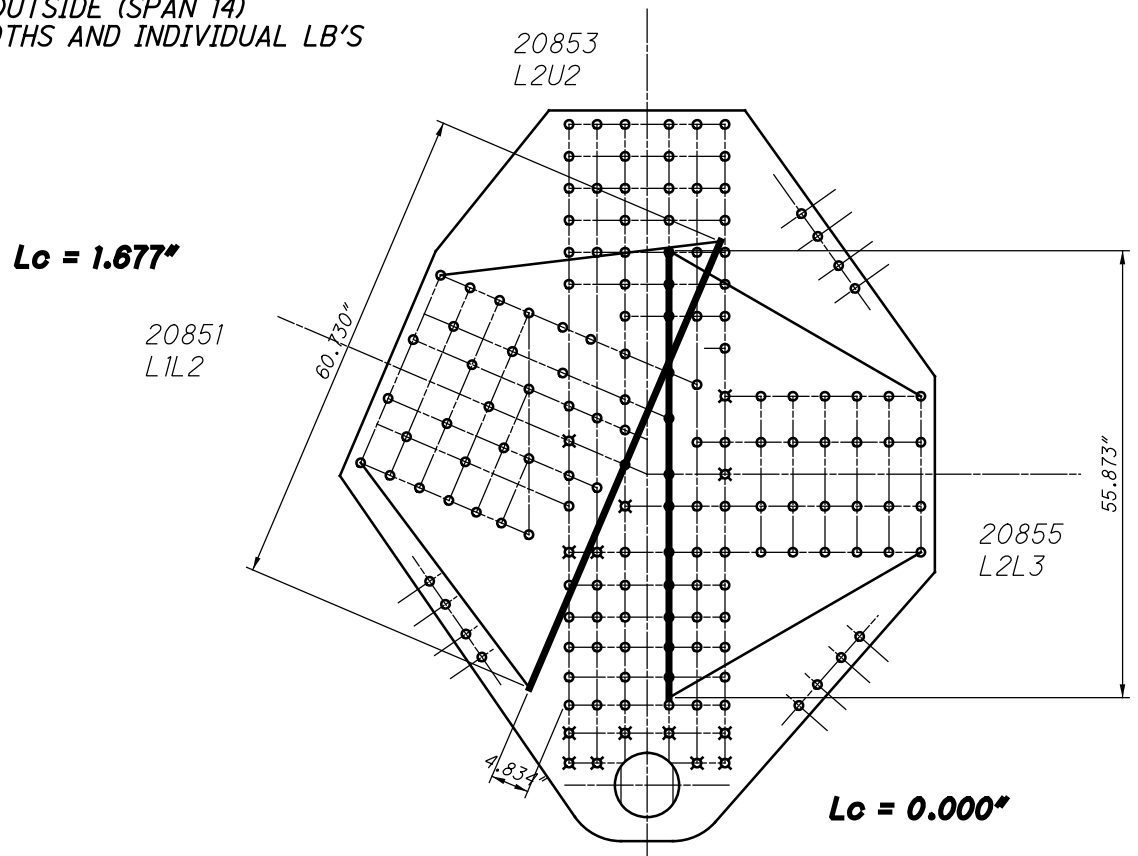
L84 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



L85 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



L85 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L85 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

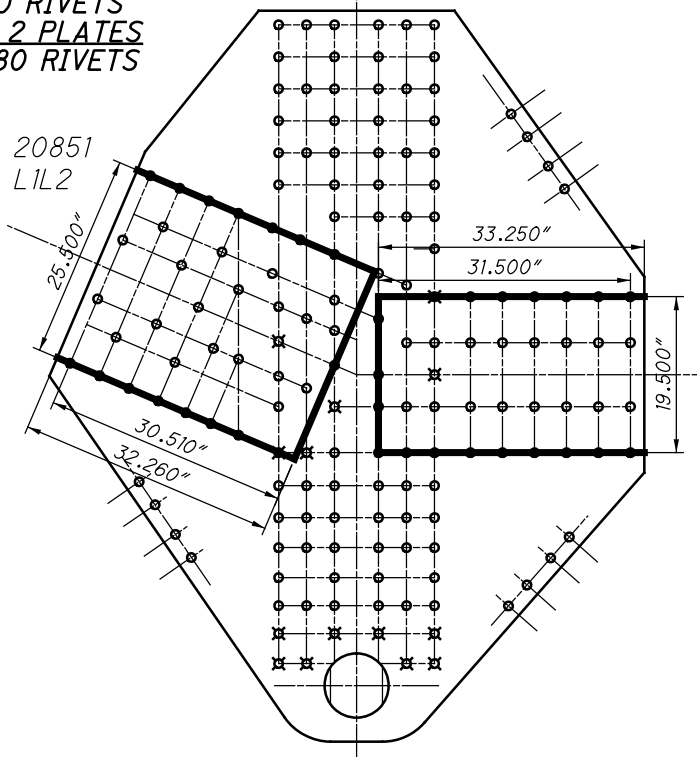
40 RIVETS
 x 2 PLATES
 =80 RIVETS

20851
 L1L2

20853
 L2U2

20855
 L2L3

36 RIVETS
 x 2 PLATES
 =72 RIVETS

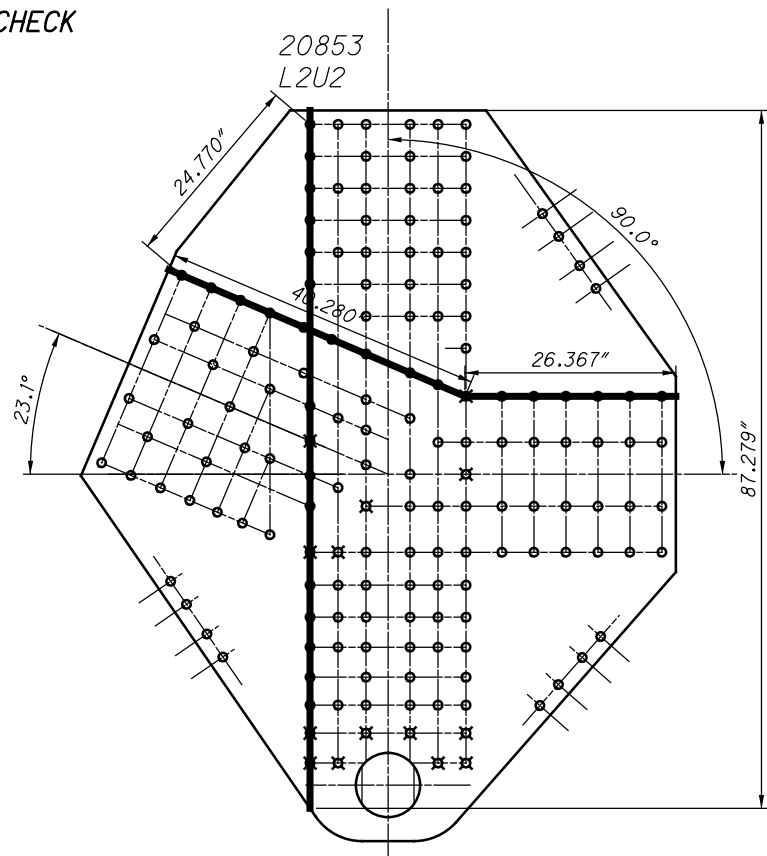


L85 OUTSIDE (SPAN 14)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH

20851
 L1L2

20853
 L2U2

20855
 L2L3



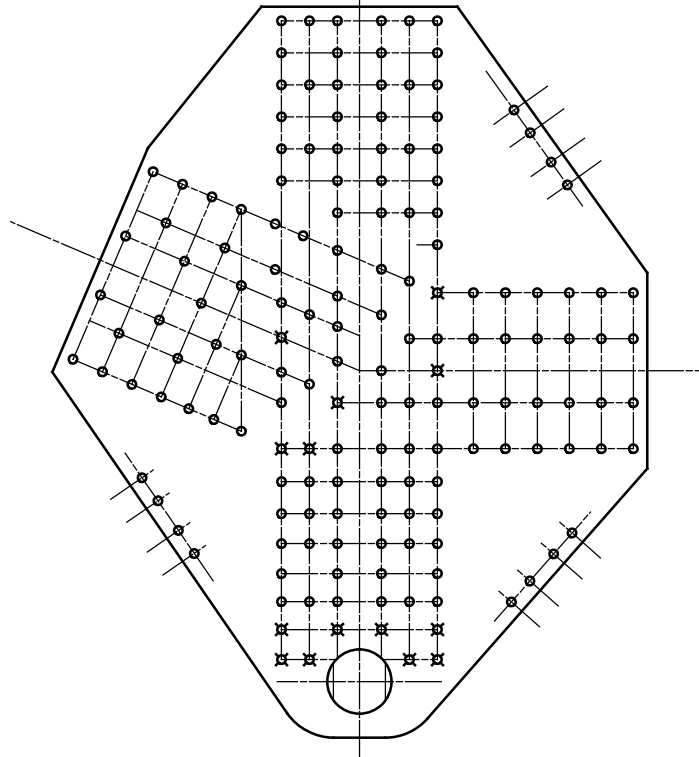
L85 OUTSIDE (SPAN 14)
 SHEAR AND FREE EDGE CHECK

20853
L2U2

12085 AND 42085

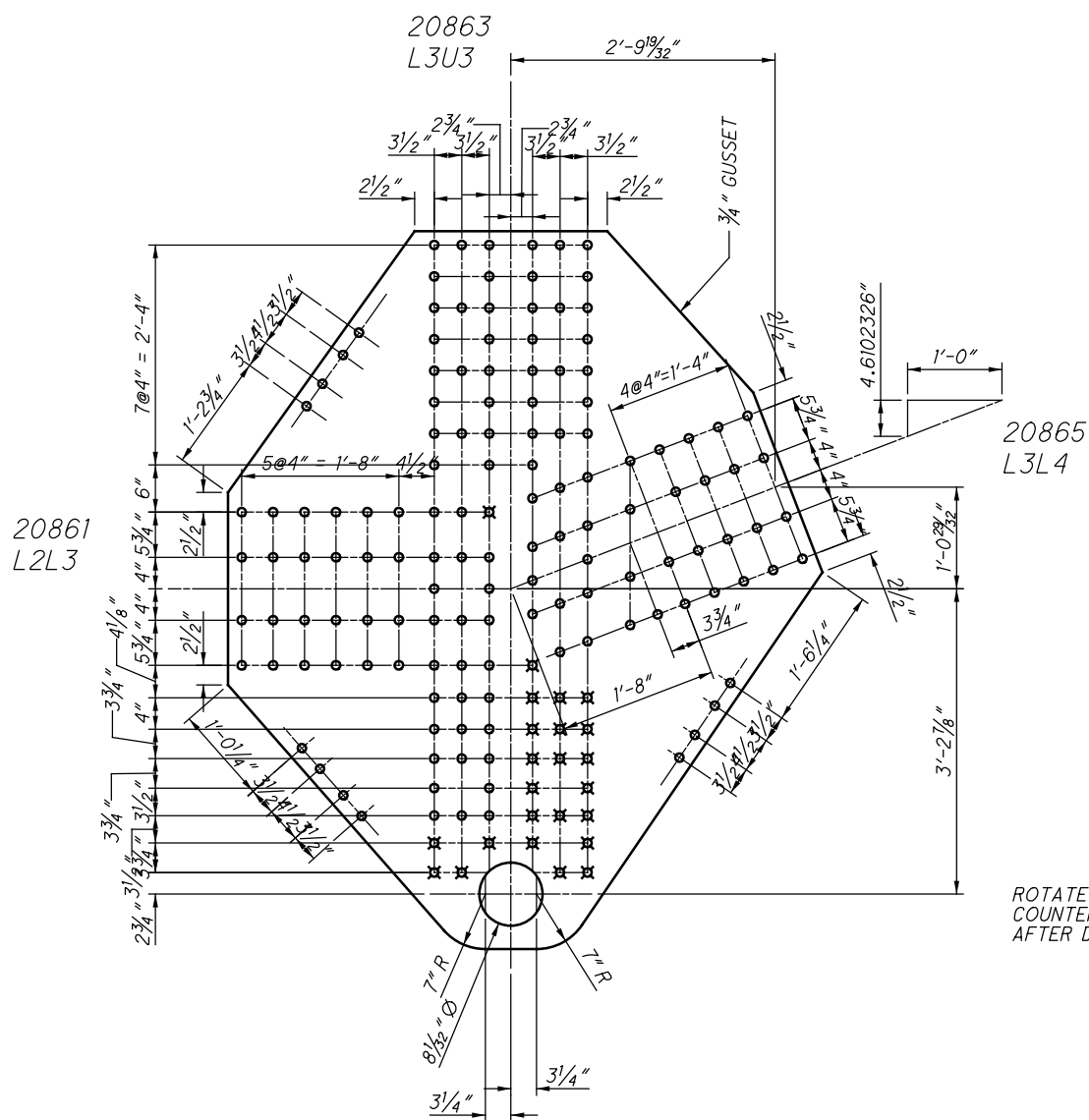
20851
L1L2

20855
L2L3

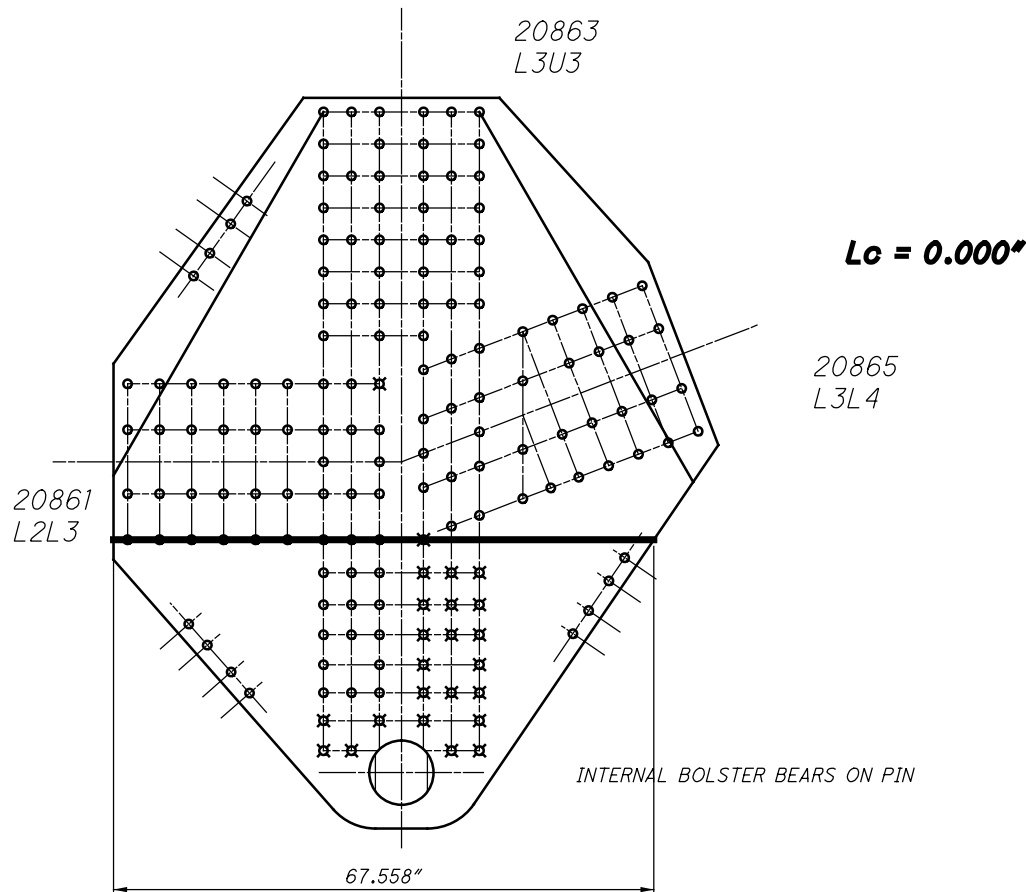


**L85 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS**

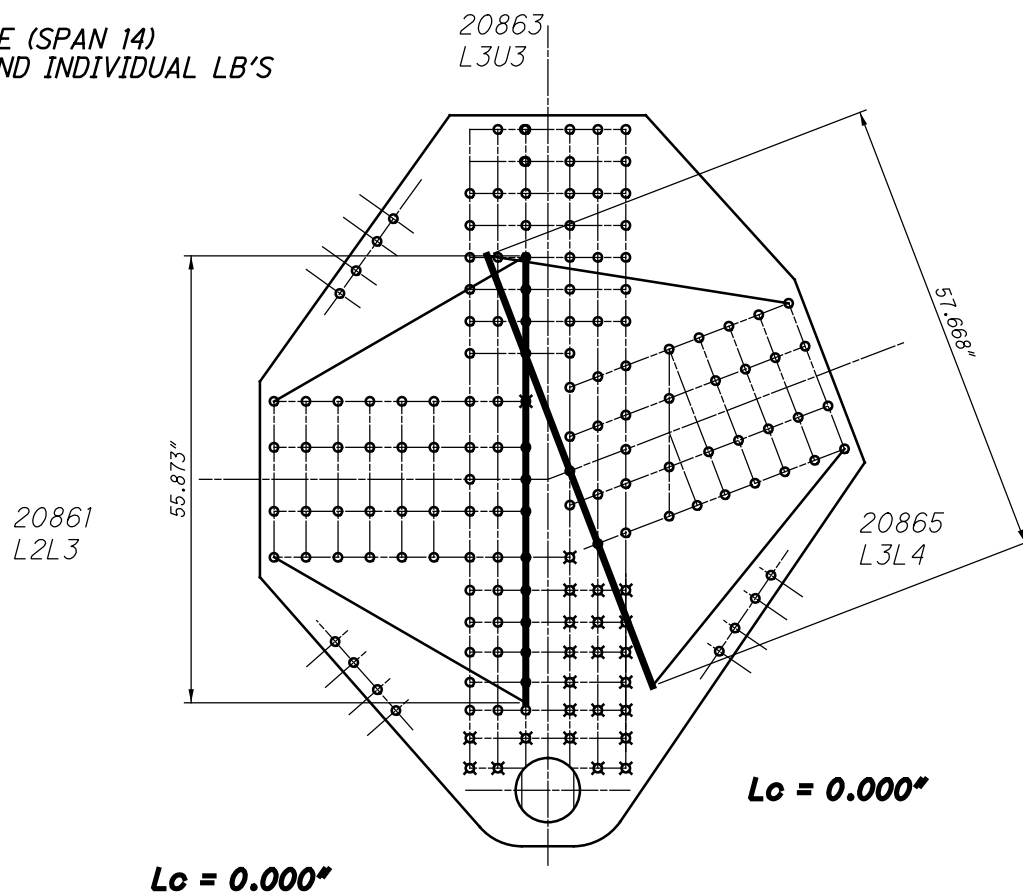
VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORDS ARE IN COMPRESSION



L86 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



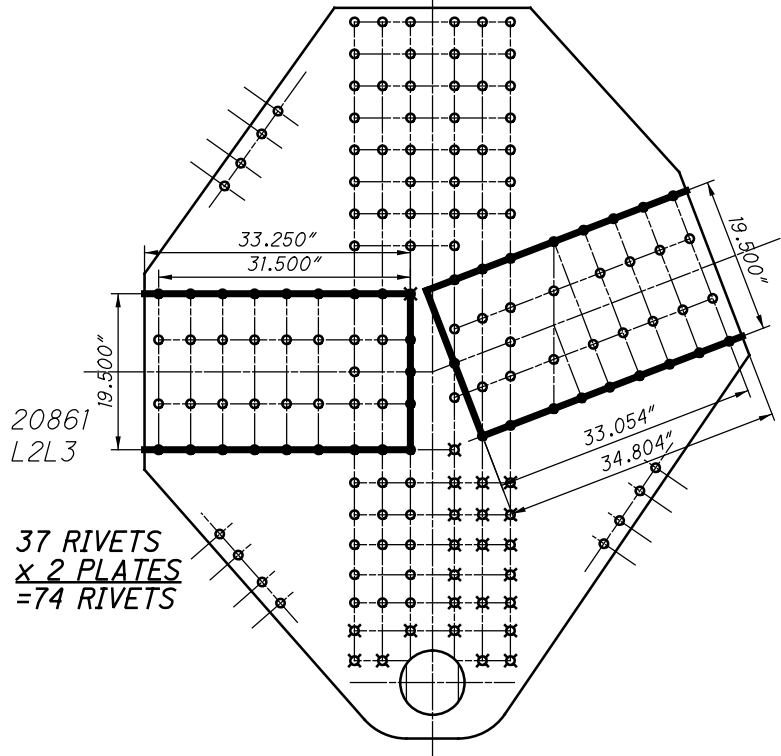
L86 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



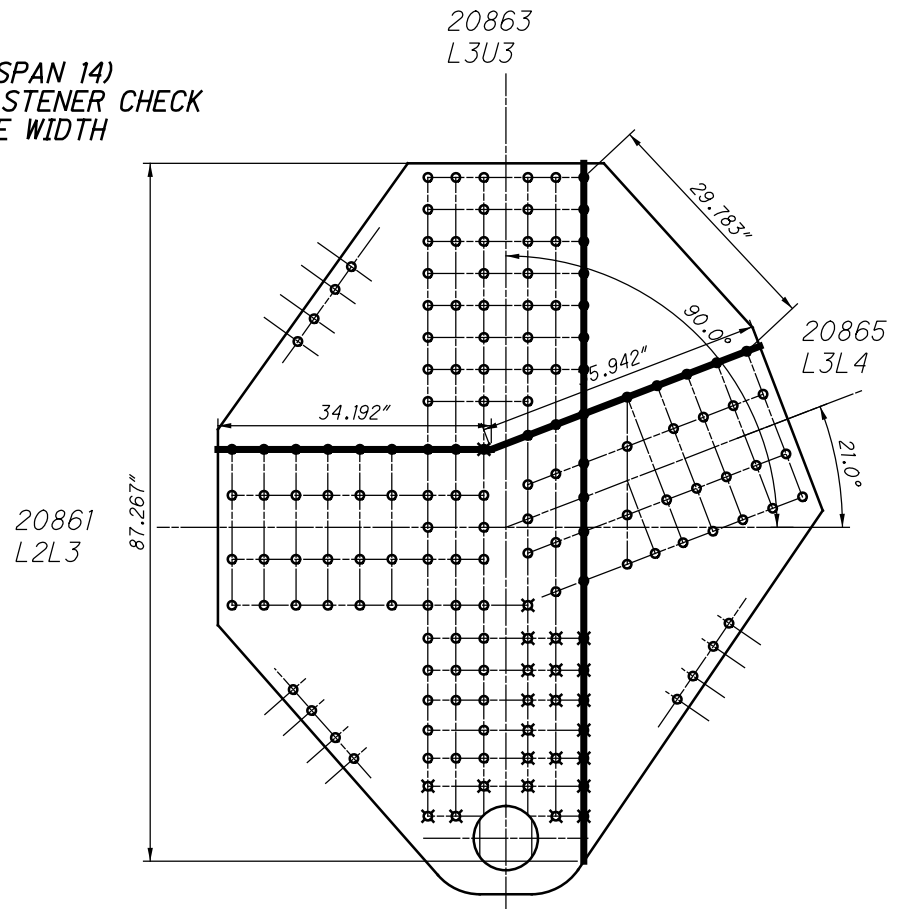
L86 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20863
L3U3

12086 AND 42086



L86 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



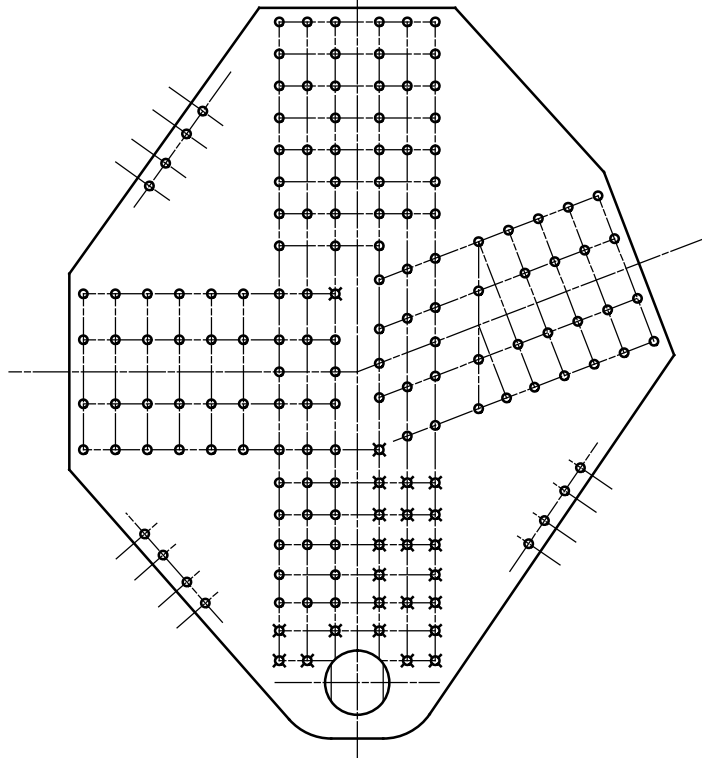
L86 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

20863
L3U3

12086 AND 42086

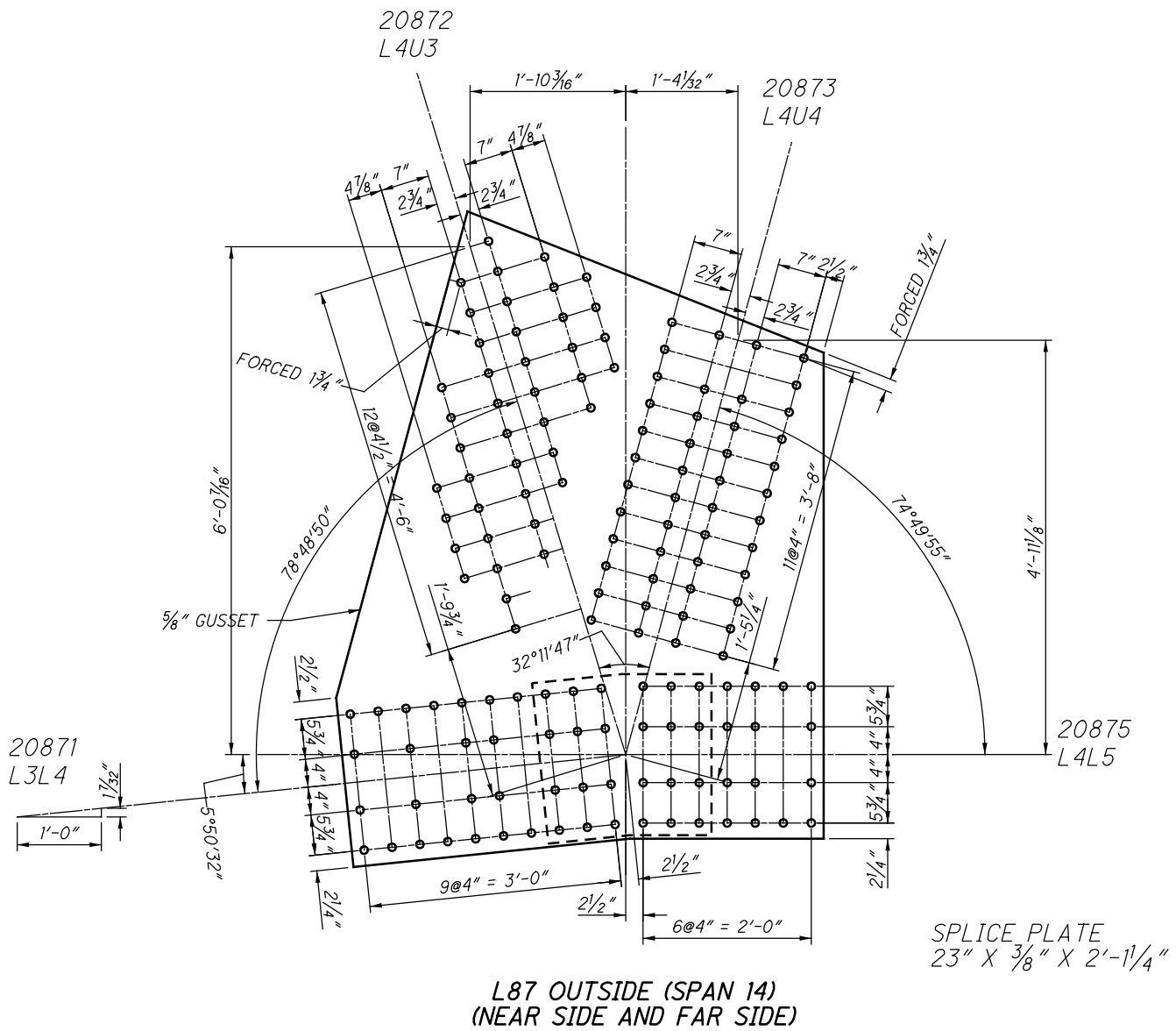
20861
L2L3

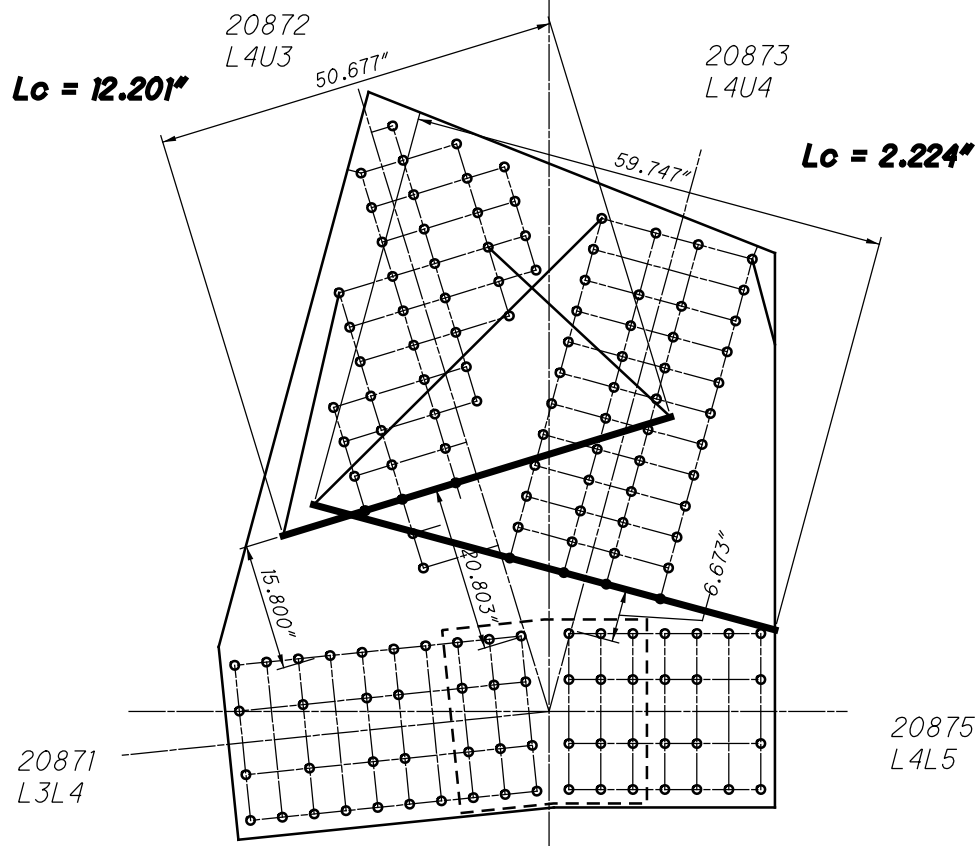
20865
L3L4



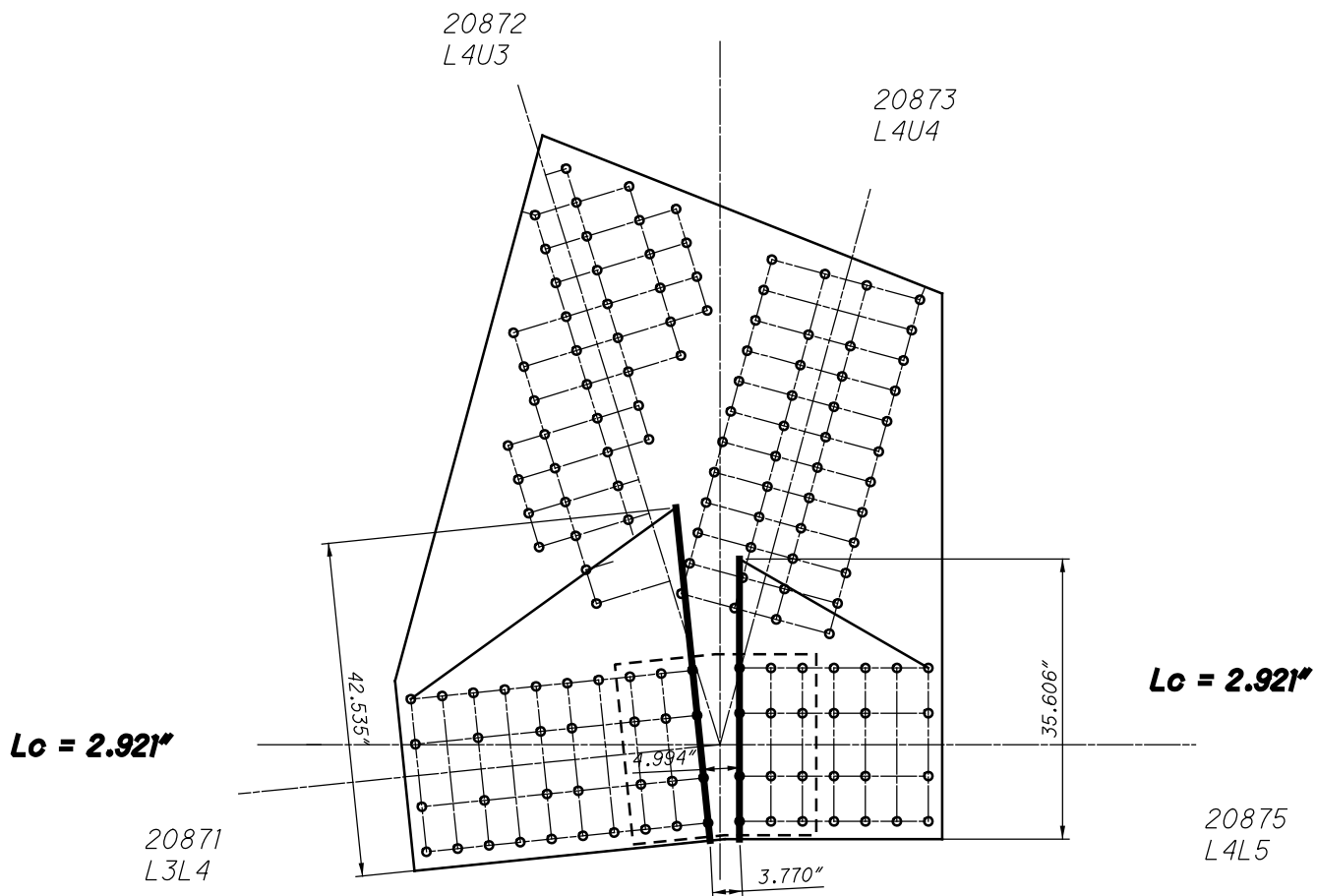
**L86 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS**

VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORDS ARE IN COMPRESSION



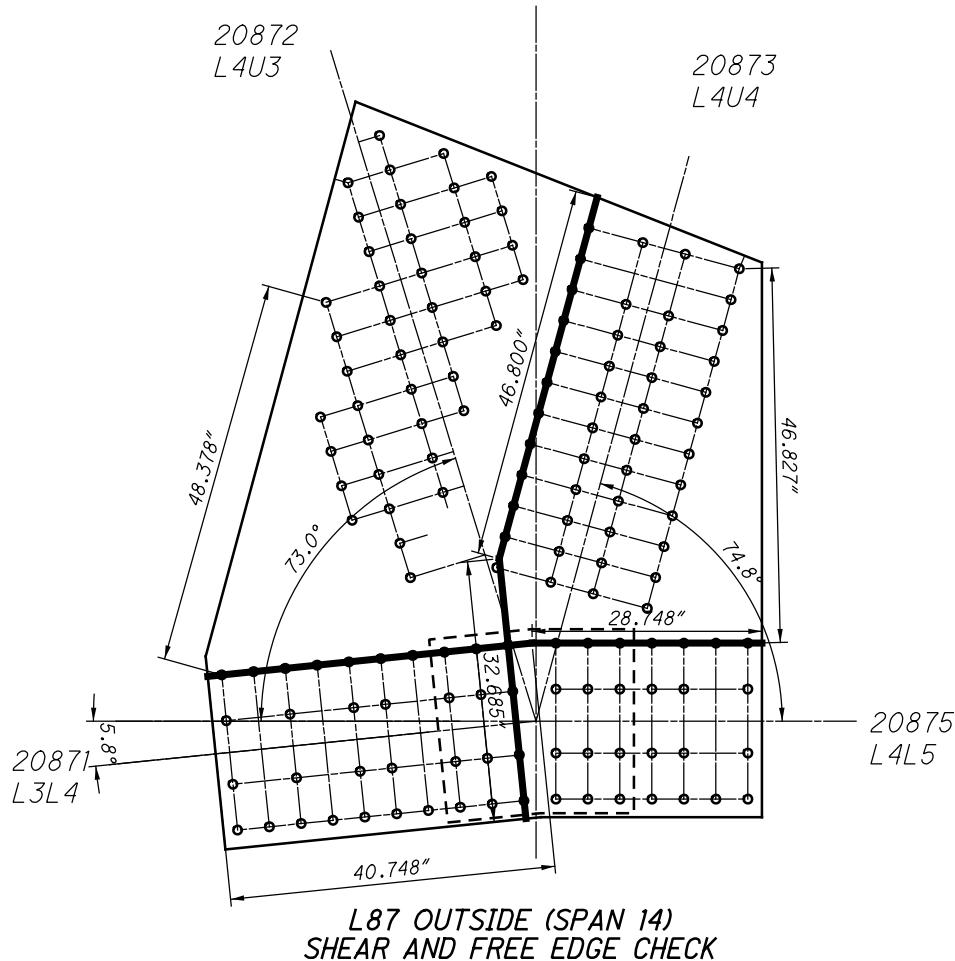
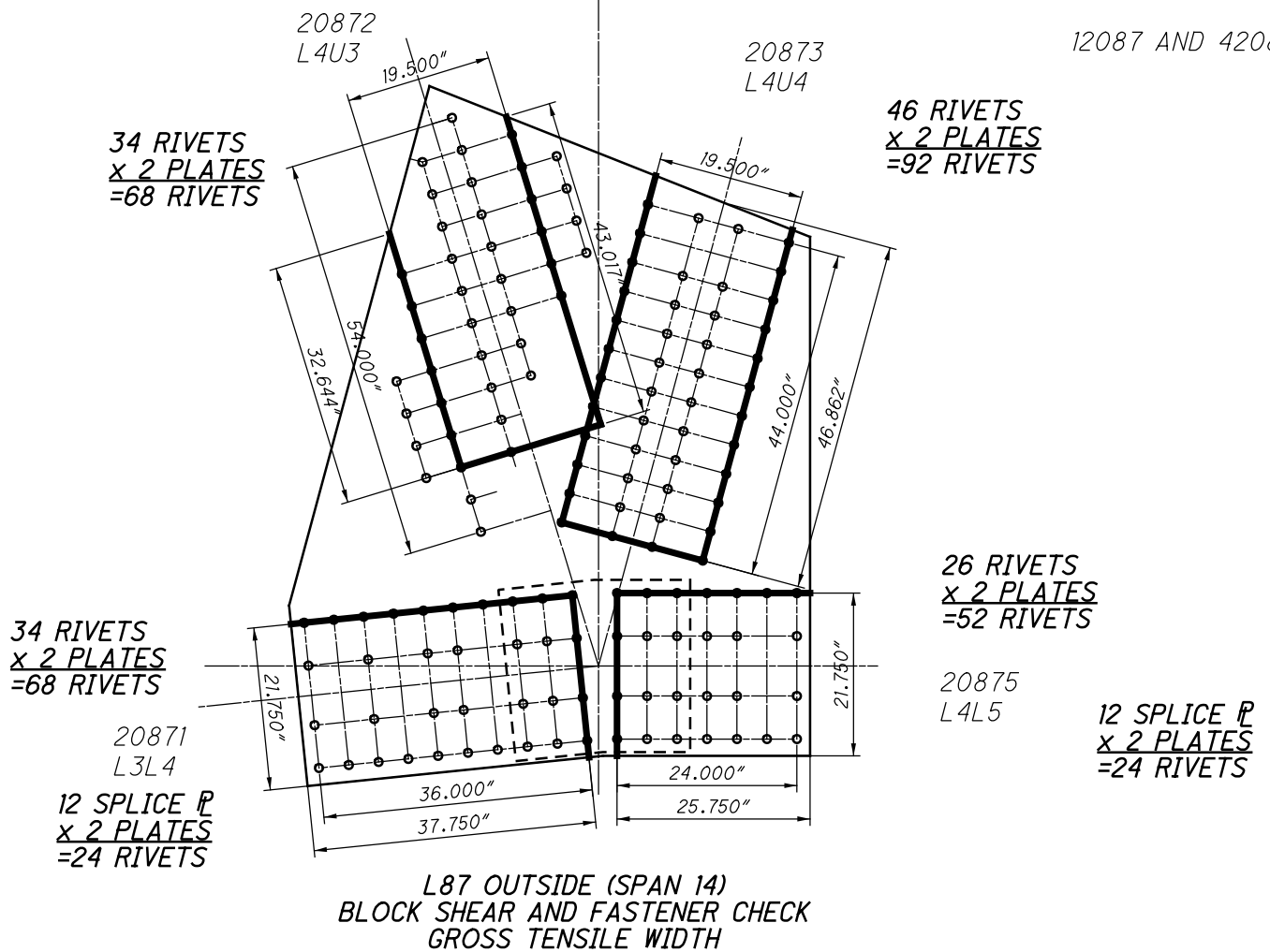


L87 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L87 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

12087 AND 42087



20872
L4U3

20873
L4U4

12087 AND 42087

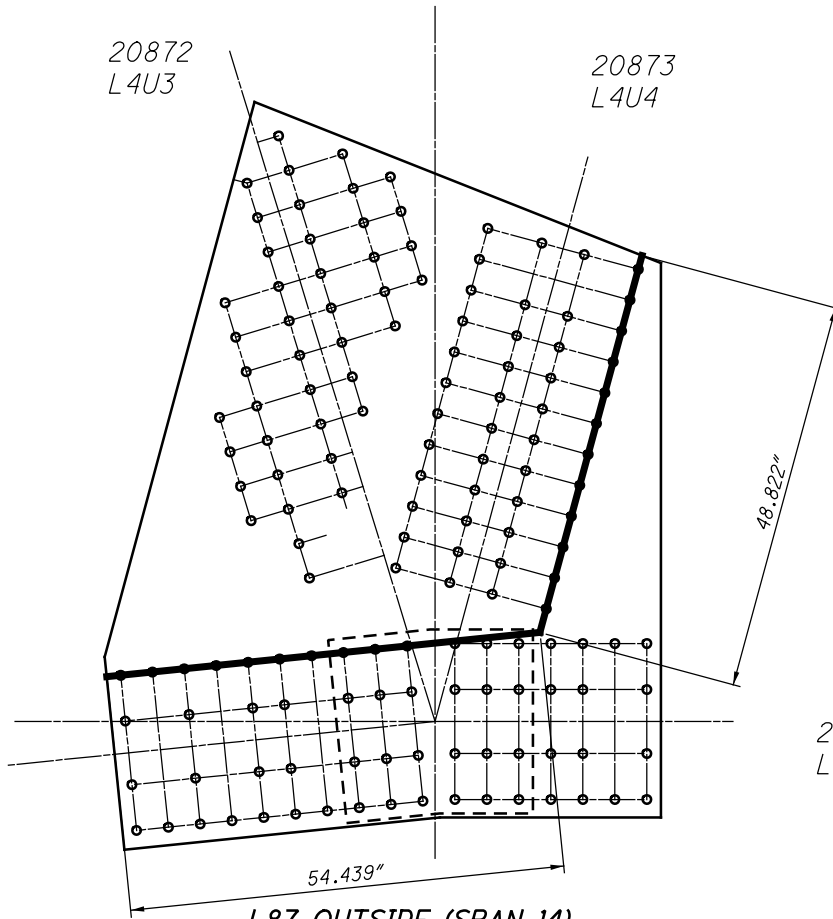
20871
L3L4

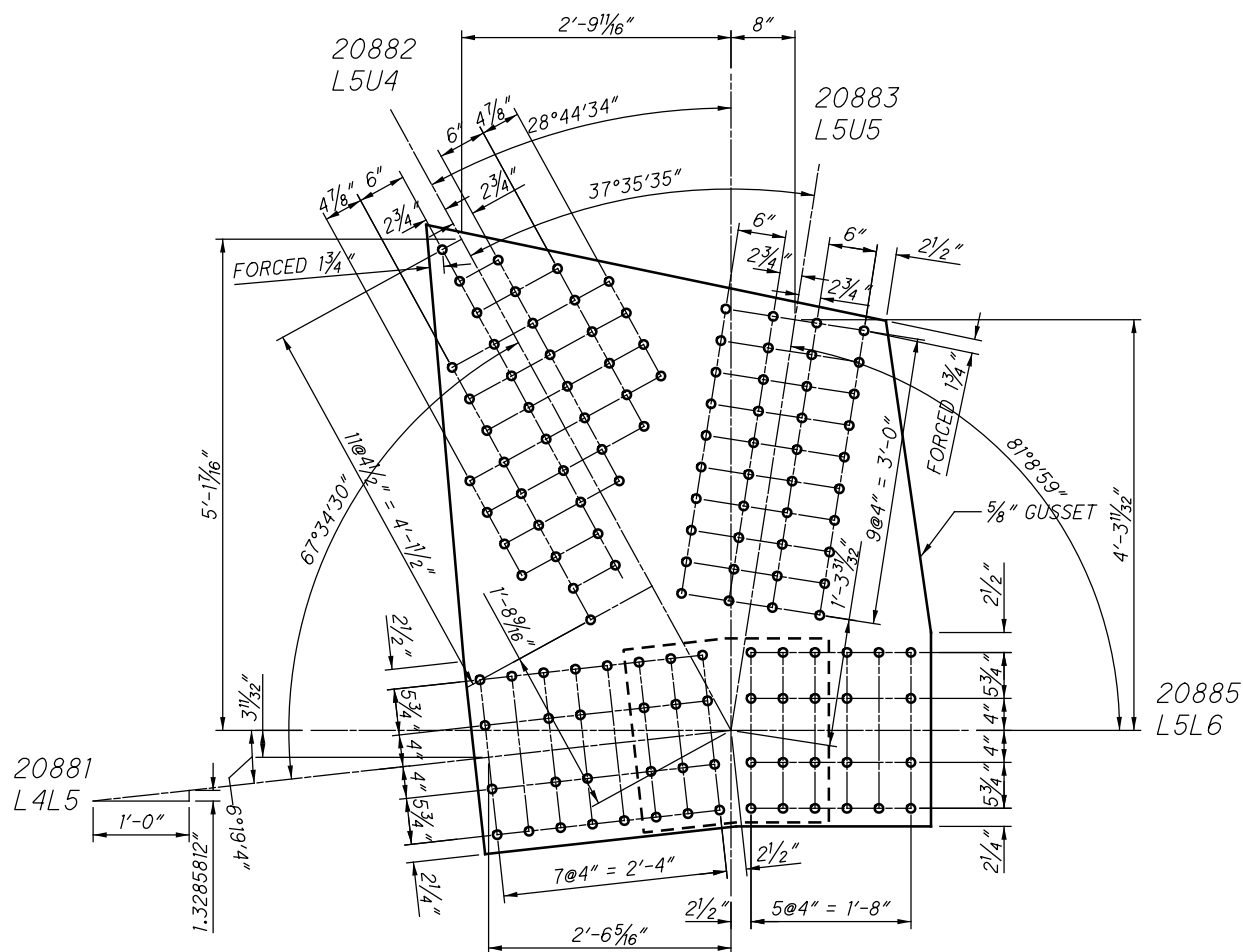
20875
L4L5

54.439"

48.822"

L87 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS





$L_c = 6.133''$

20881
L4L5

20882
L5U4

20883
L5U5

$L_c = 2.877''$

20885
L5L6

L88 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

$L_c = 2.887''$

20881
L4L5

20882
L5U4

20883
L5U5

$L_c = 2.887''$

20885
L5L6

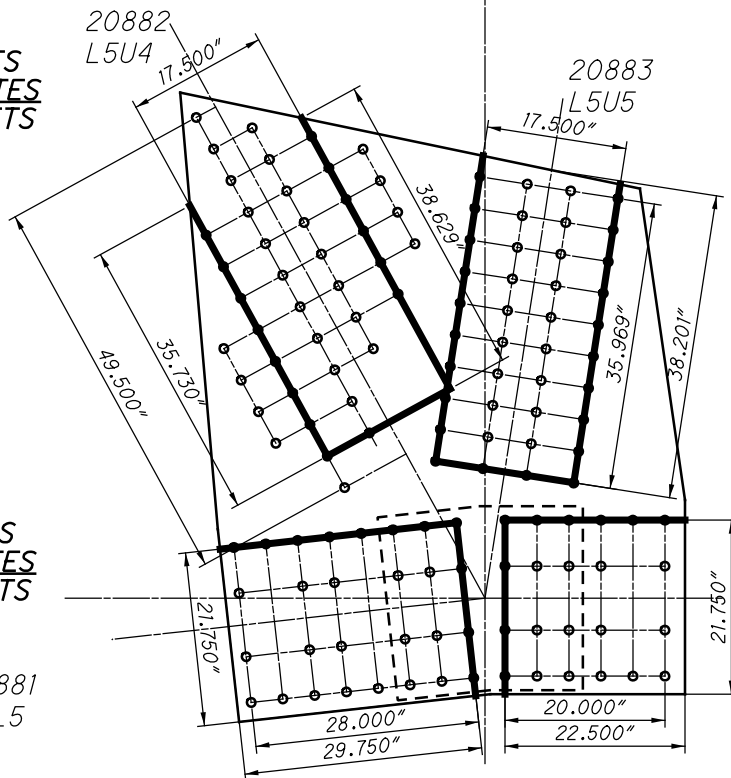
L88 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

12088 AND 42088

12 SPLICE PLATE
X 2 PLATES
=24 RIVETS

20881
L4L5

28 RIVETS
X 2 PLATES
=56 RIVETS

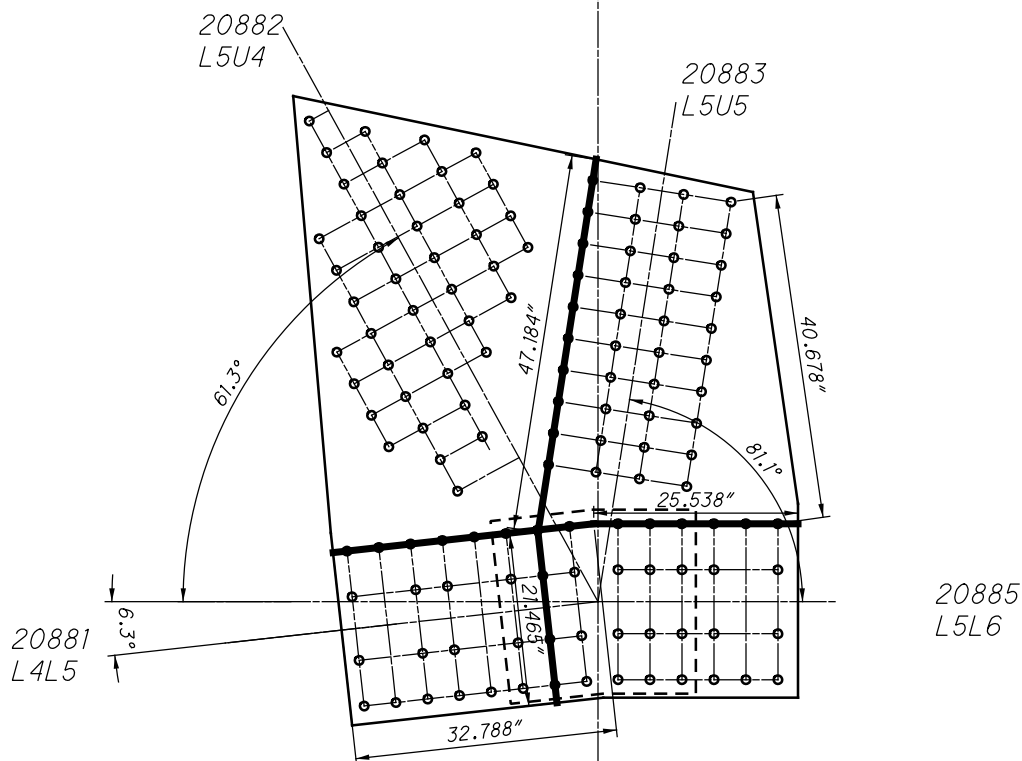


22 RIVETS
X 2 PLATES
=44 RIVETS

20885
L5L6

12 SPLICE PLATE
X 2 PLATES
=24 RIVETS

L88 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



L88 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

12088 AND 42088

20882
L5U4

20883
L5U5

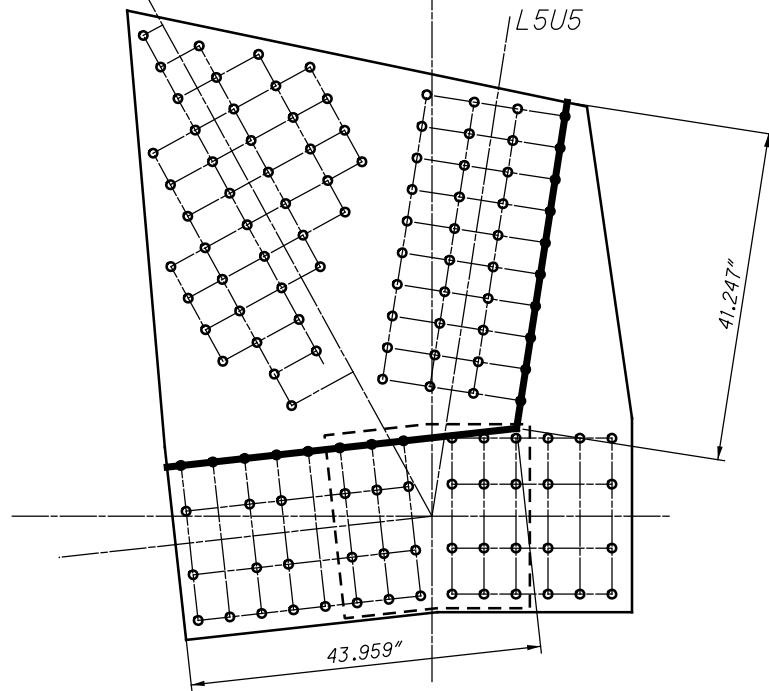
41.247"

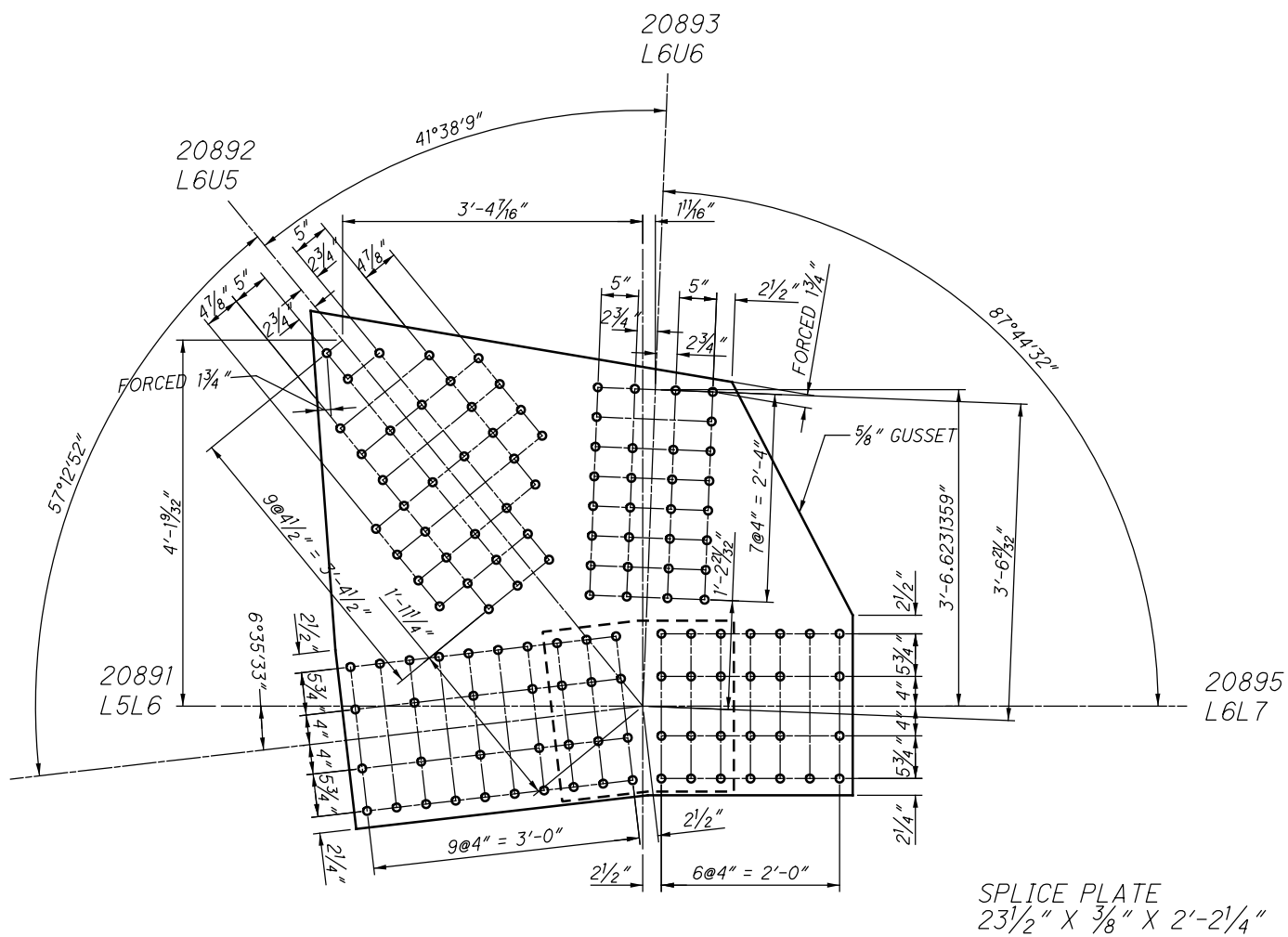
20885
L5L6

20881
L4L5

43.959"

L88 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



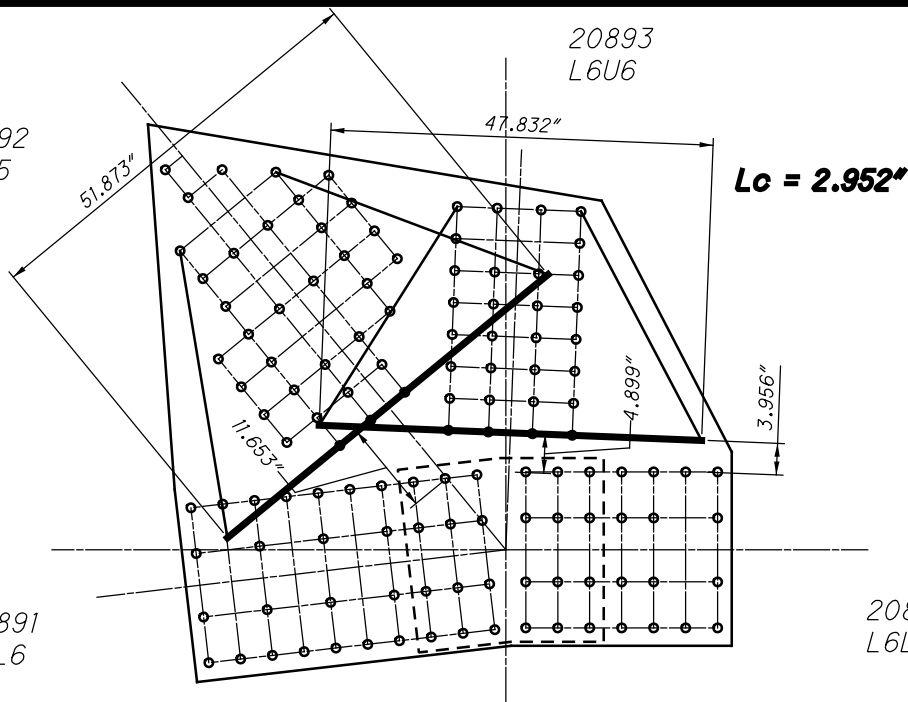


L89 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

20893
L6U6

20892
L6U5

$L_c = 3.884"$

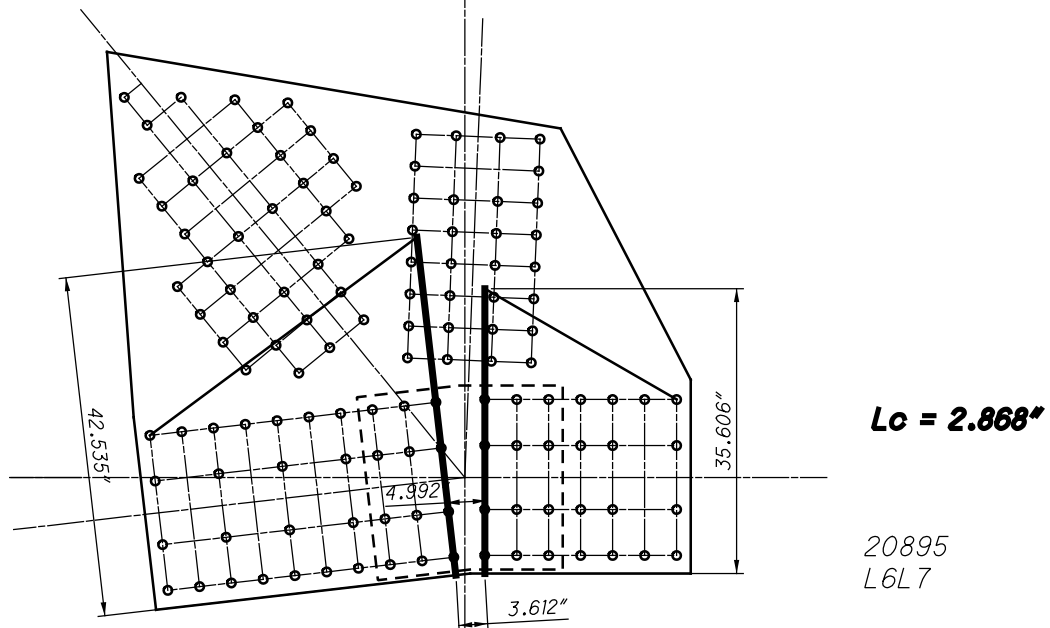


L89 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20893
L6U6

20892
L6U5

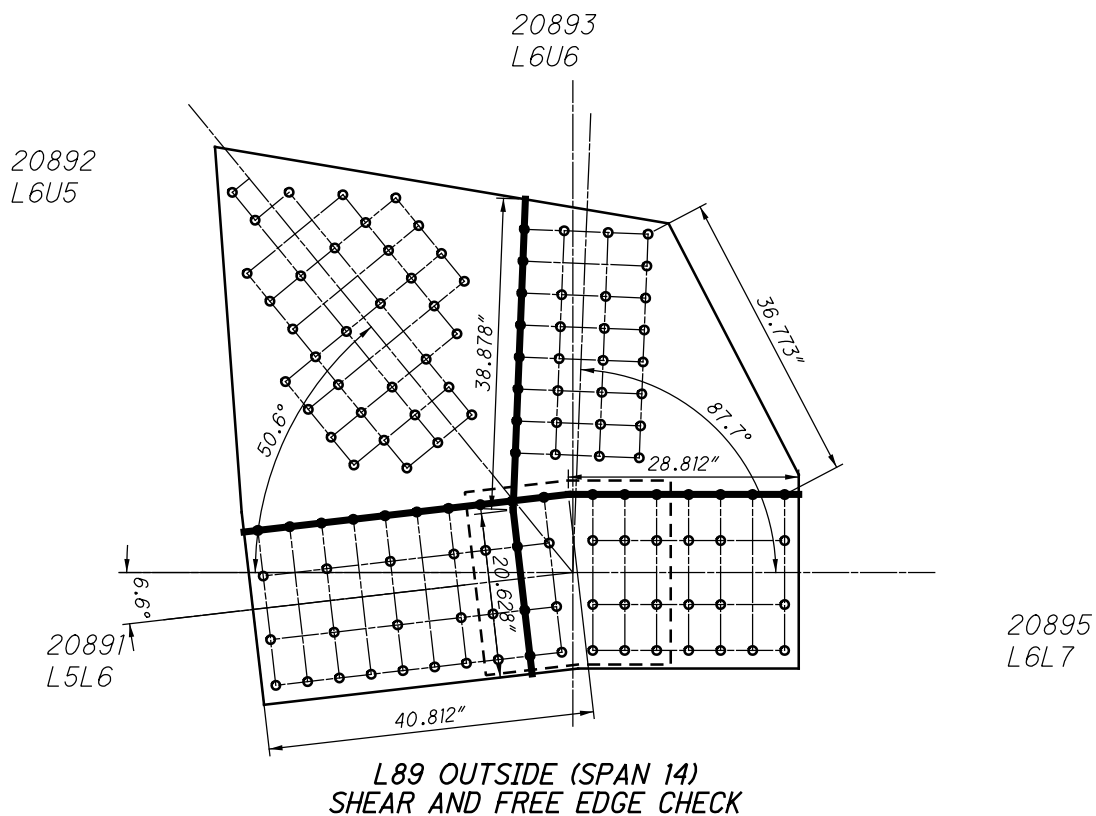
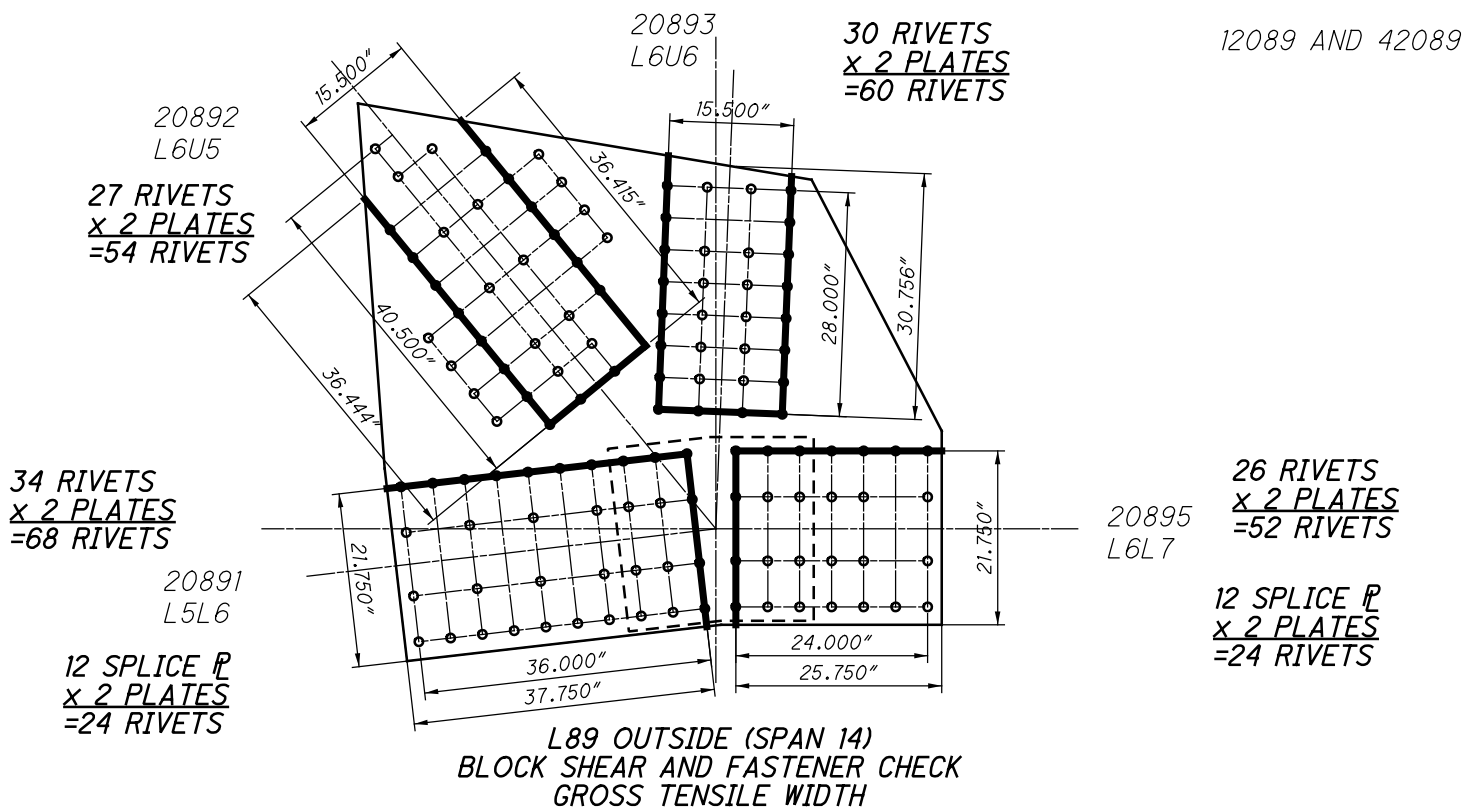
$L_c = 2.868"$



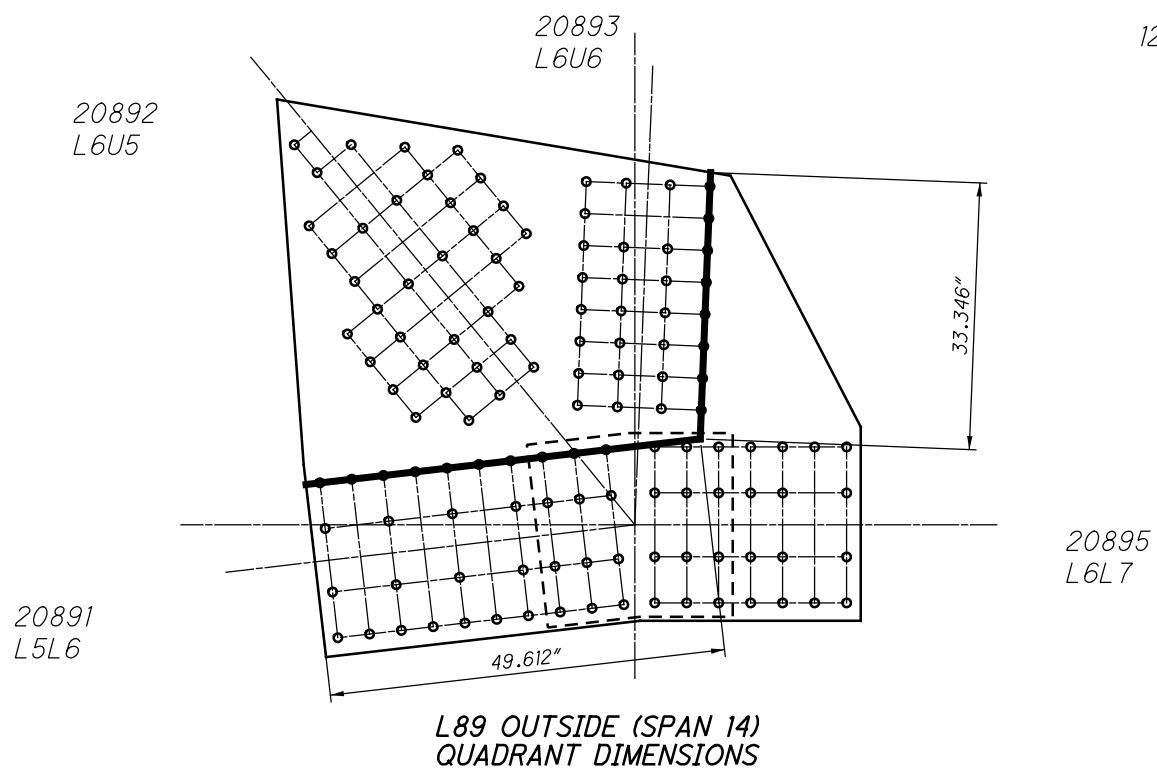
L89 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

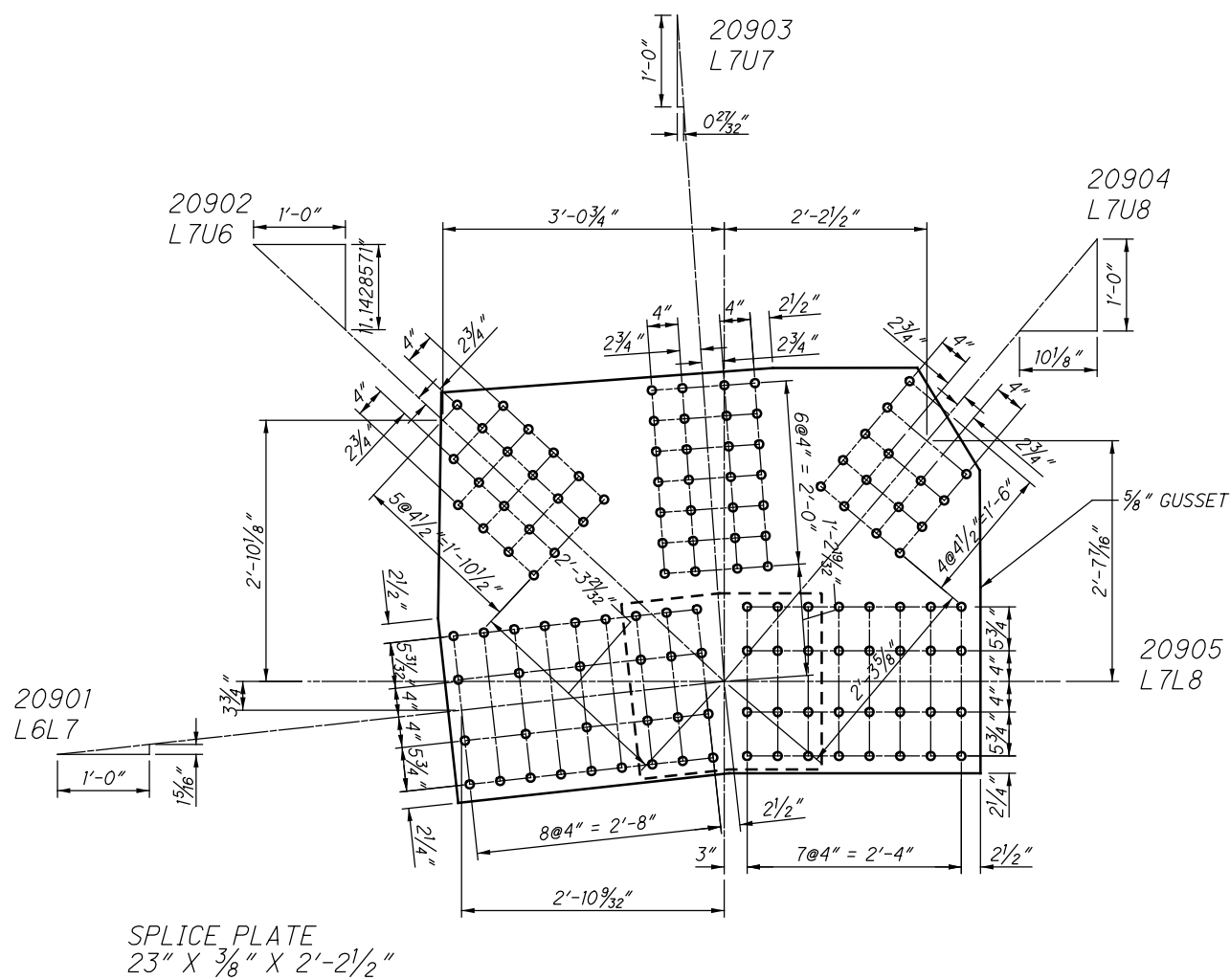
20891
L5L6

20895
L6L7



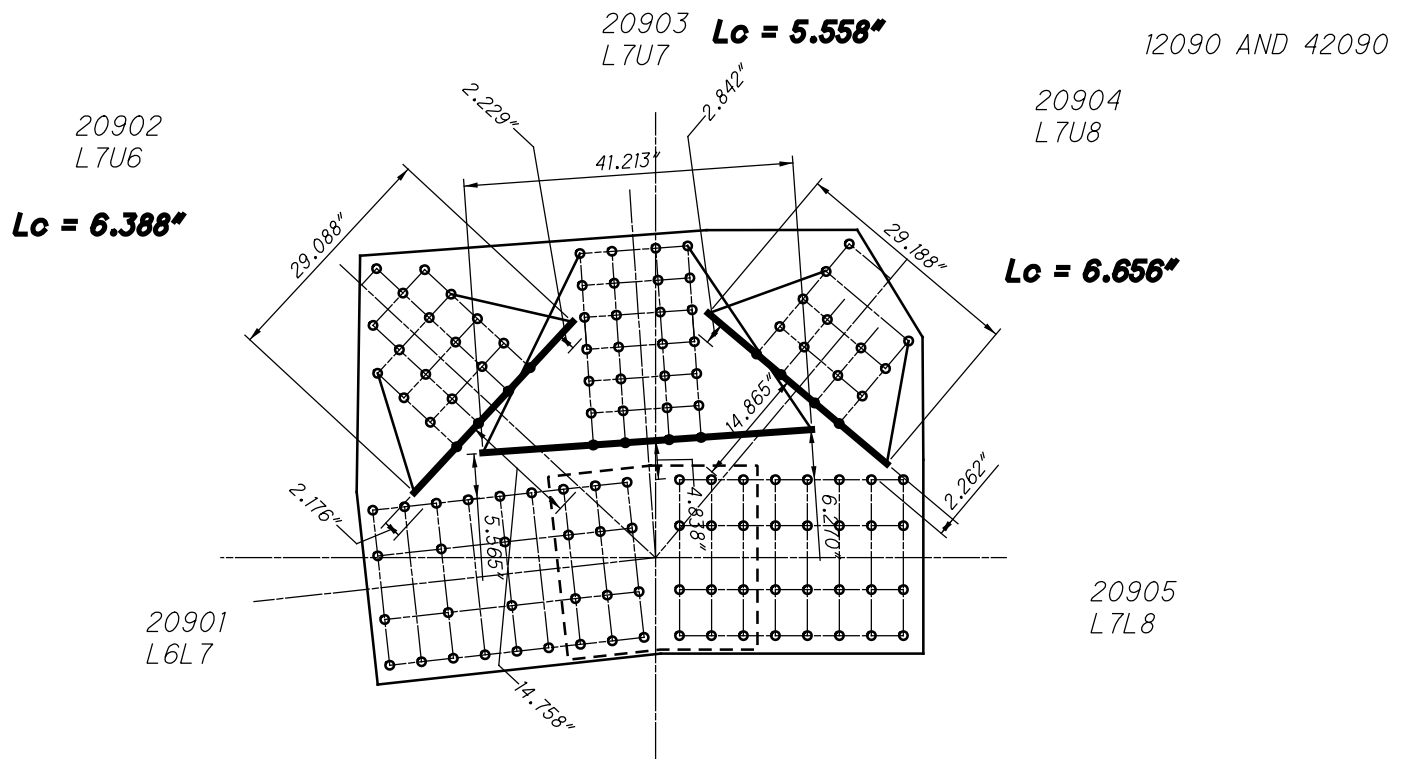
12089 AND 42089



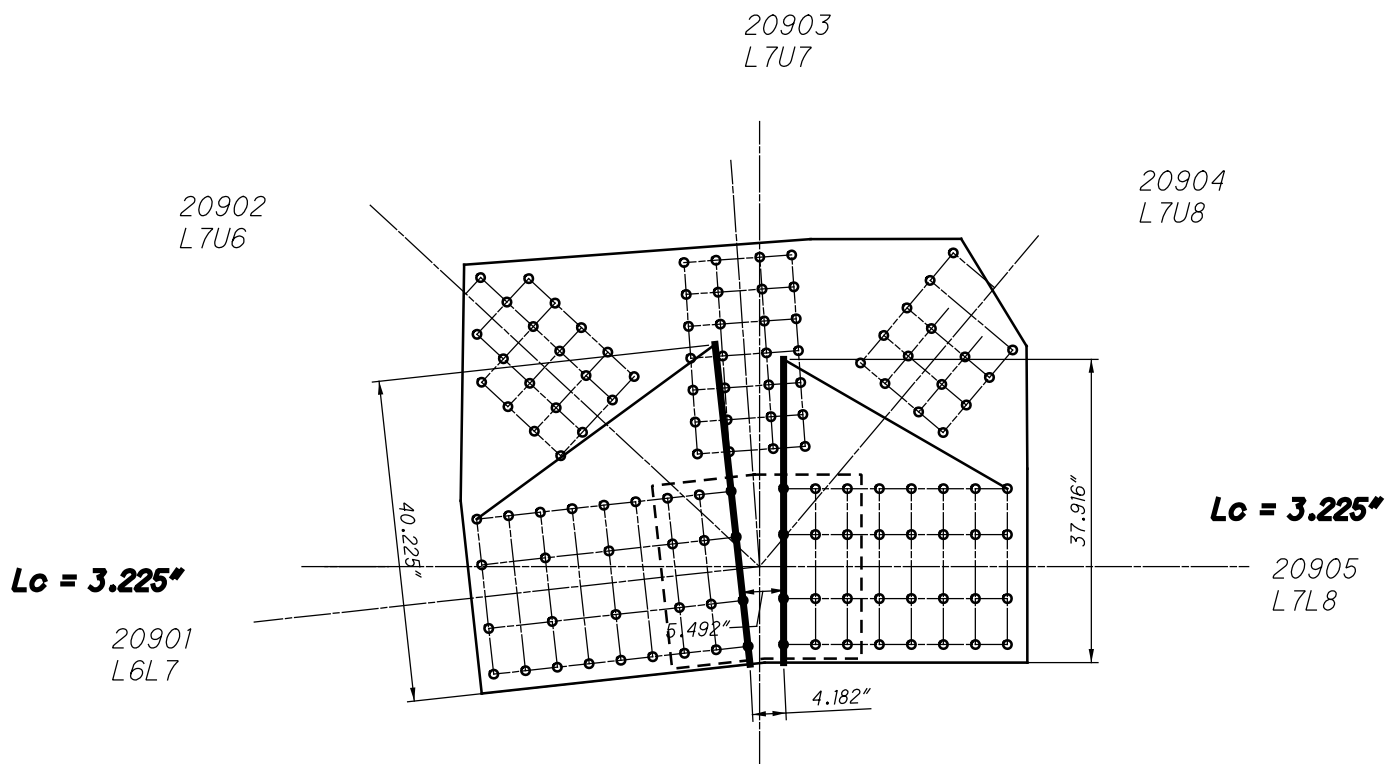


PURPOSEFULLY IGNORED
THE ANGULAR DIMENSIONS

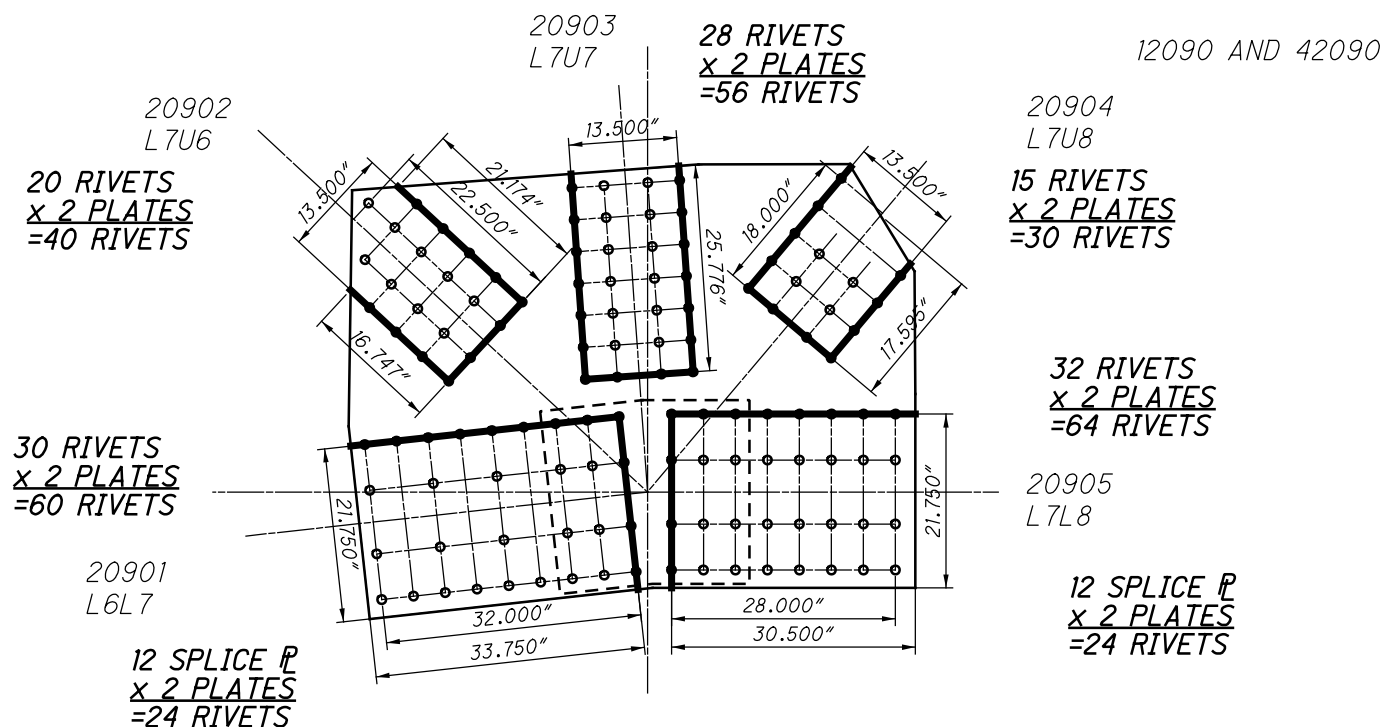
L90 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



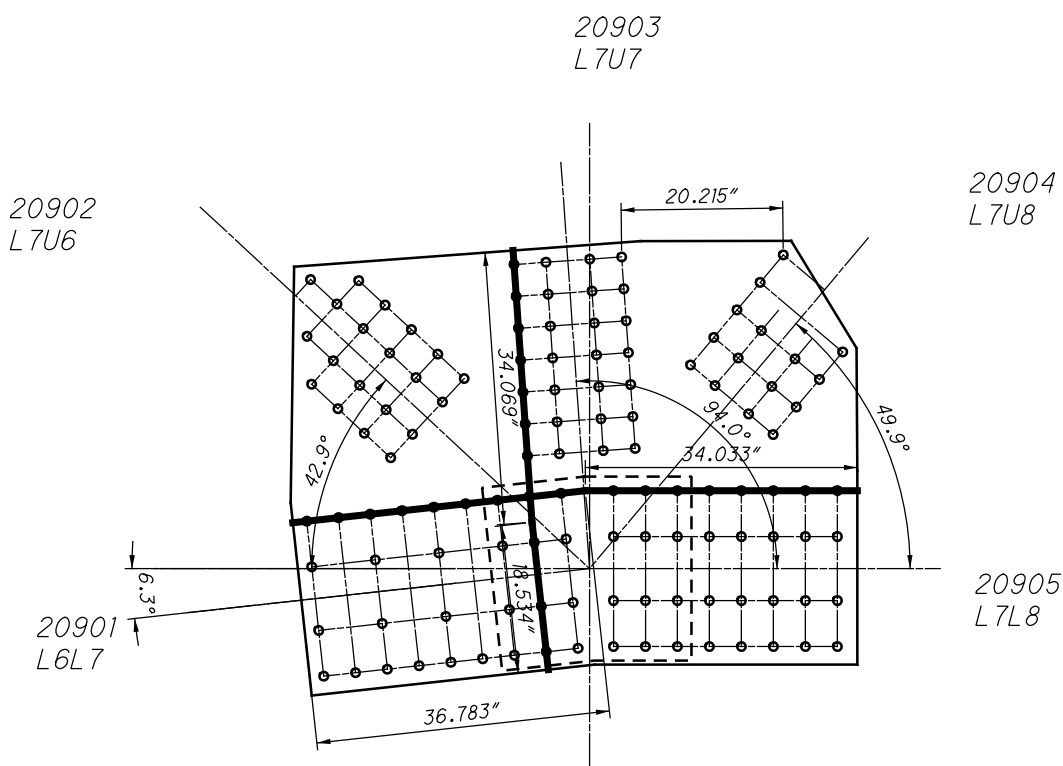
L90 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L90 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L90 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



L90 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

20902
L7U6

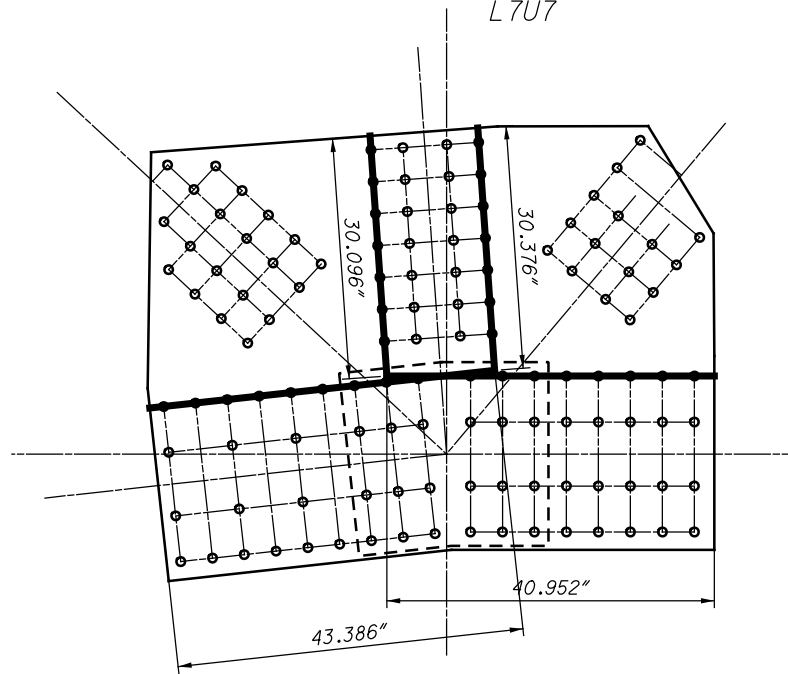
20903
L7U7

12090 AND 42090

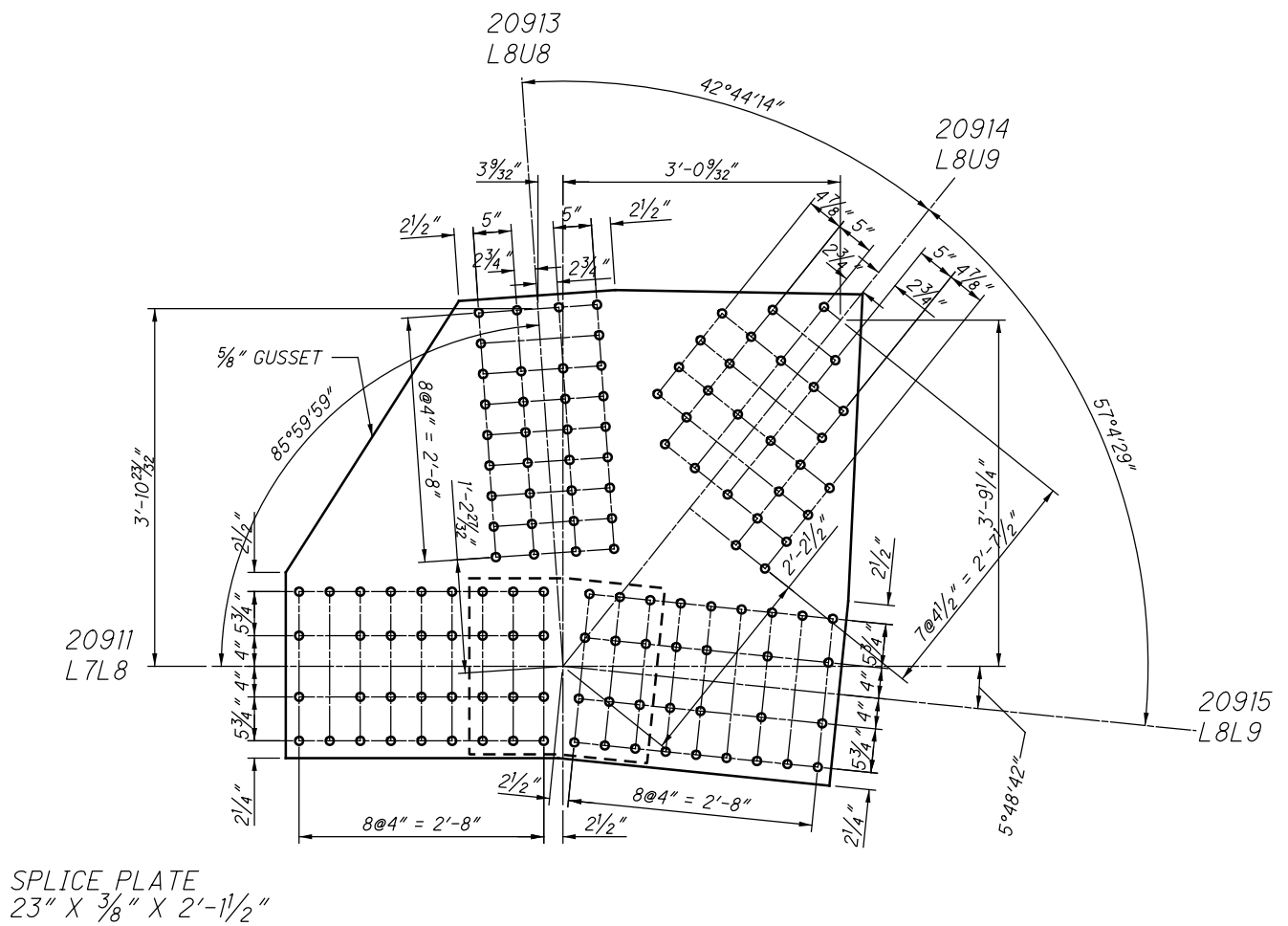
20904
L7U8

20901
L6L7

20905
L7L8

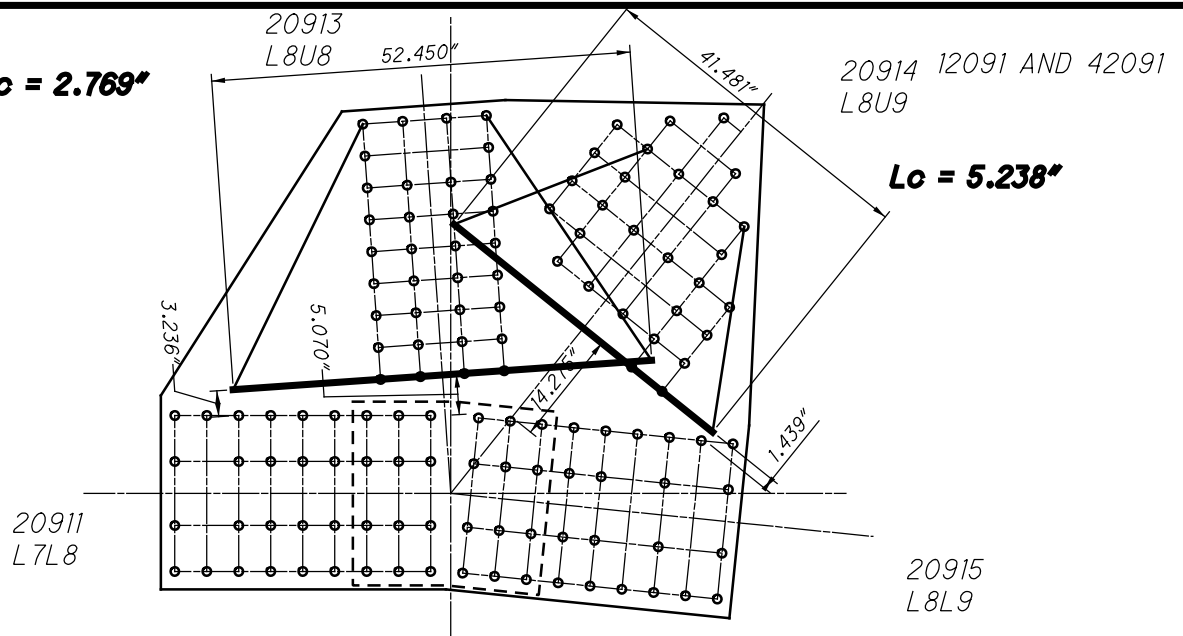


L90 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS



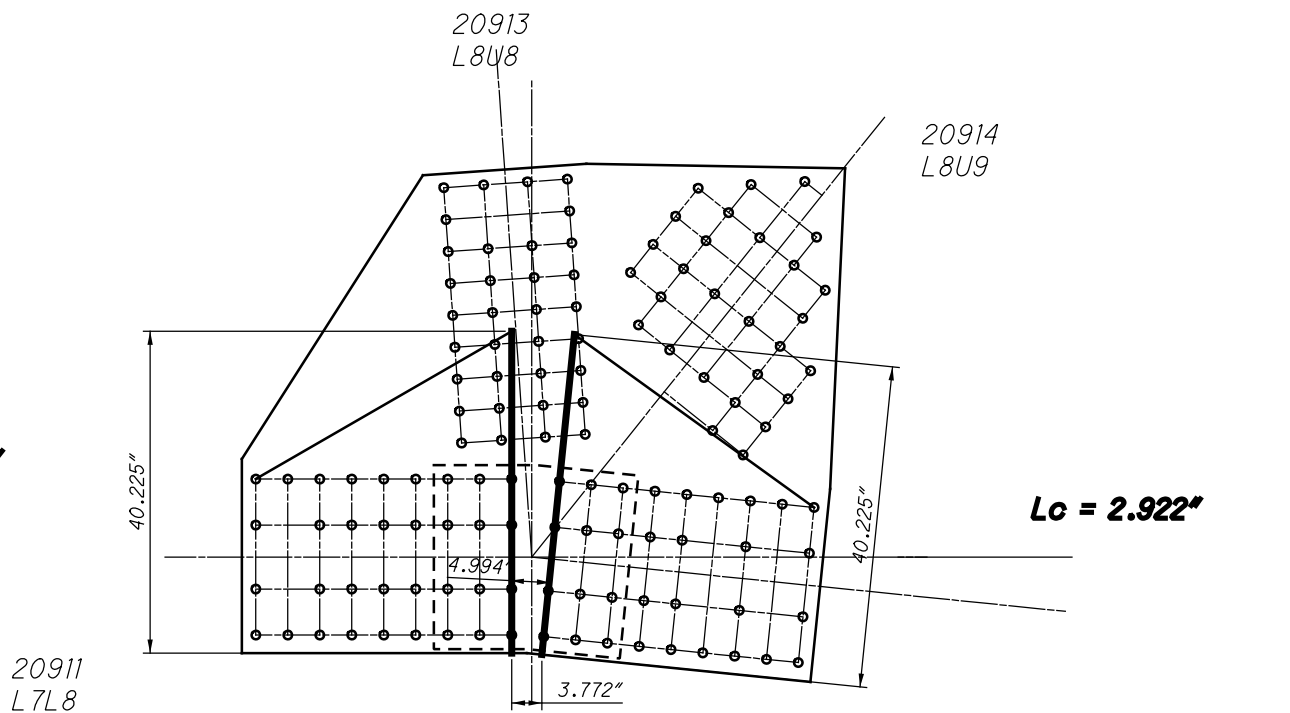
L91 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

$L_c = 2.769''$

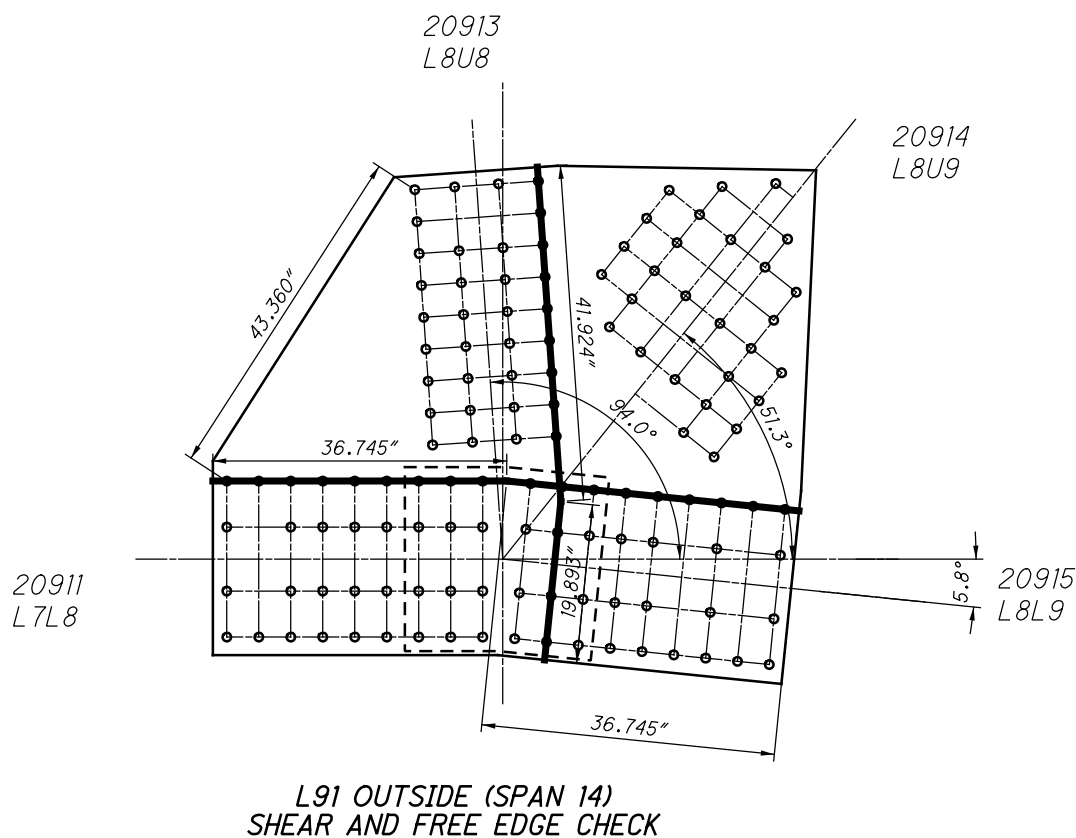
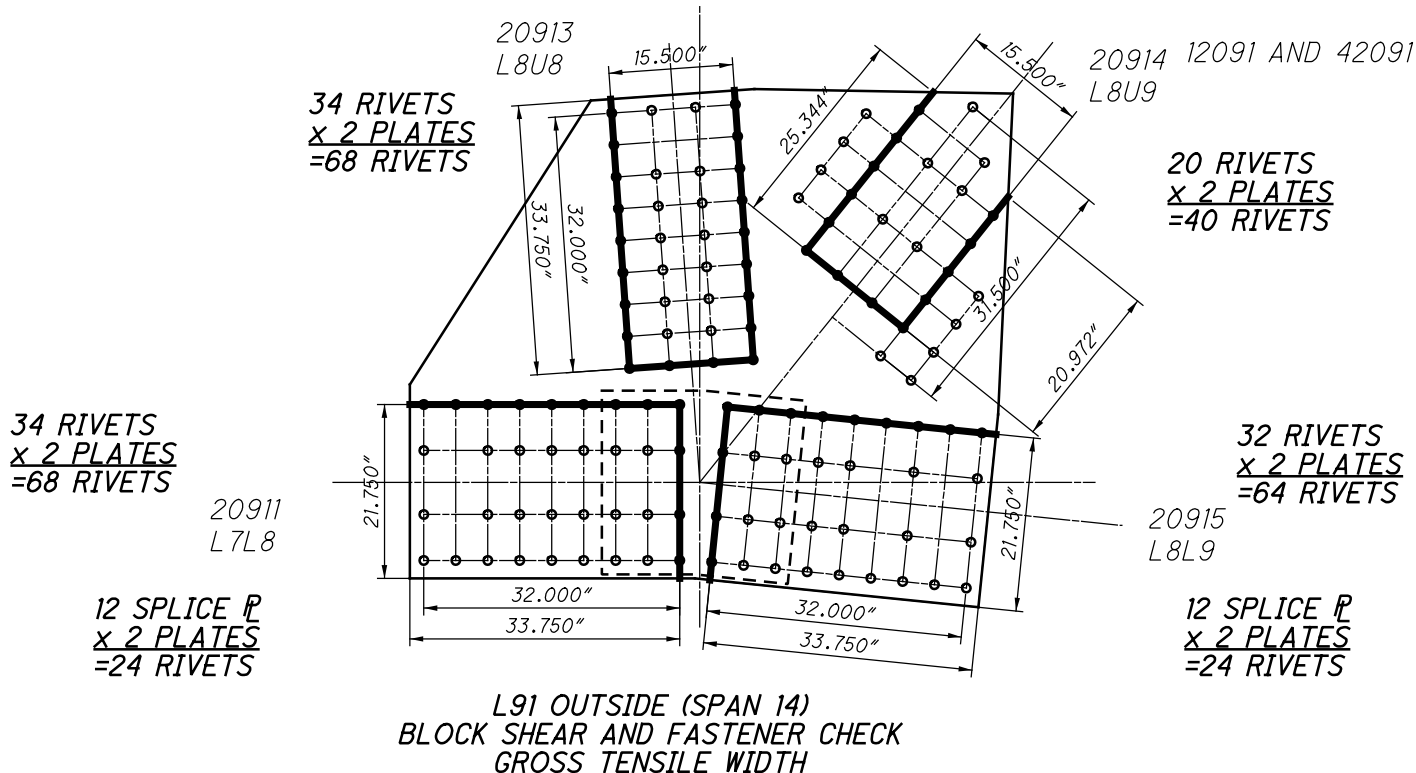


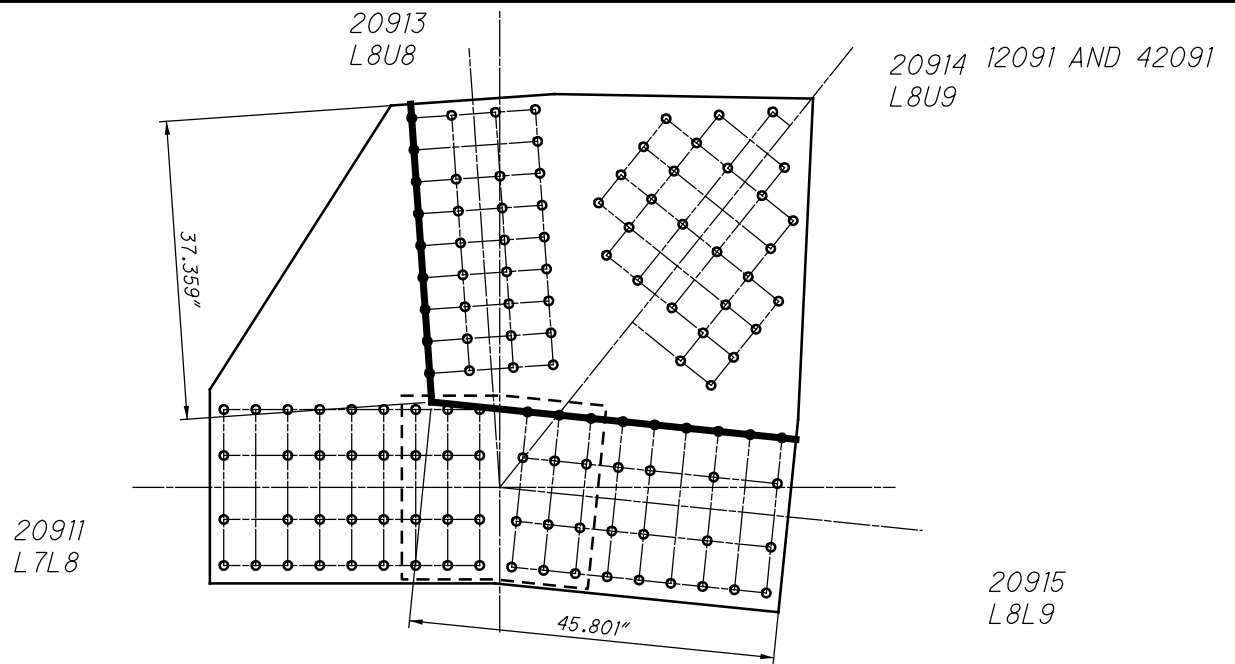
L91 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

$L_c = 2.922''$

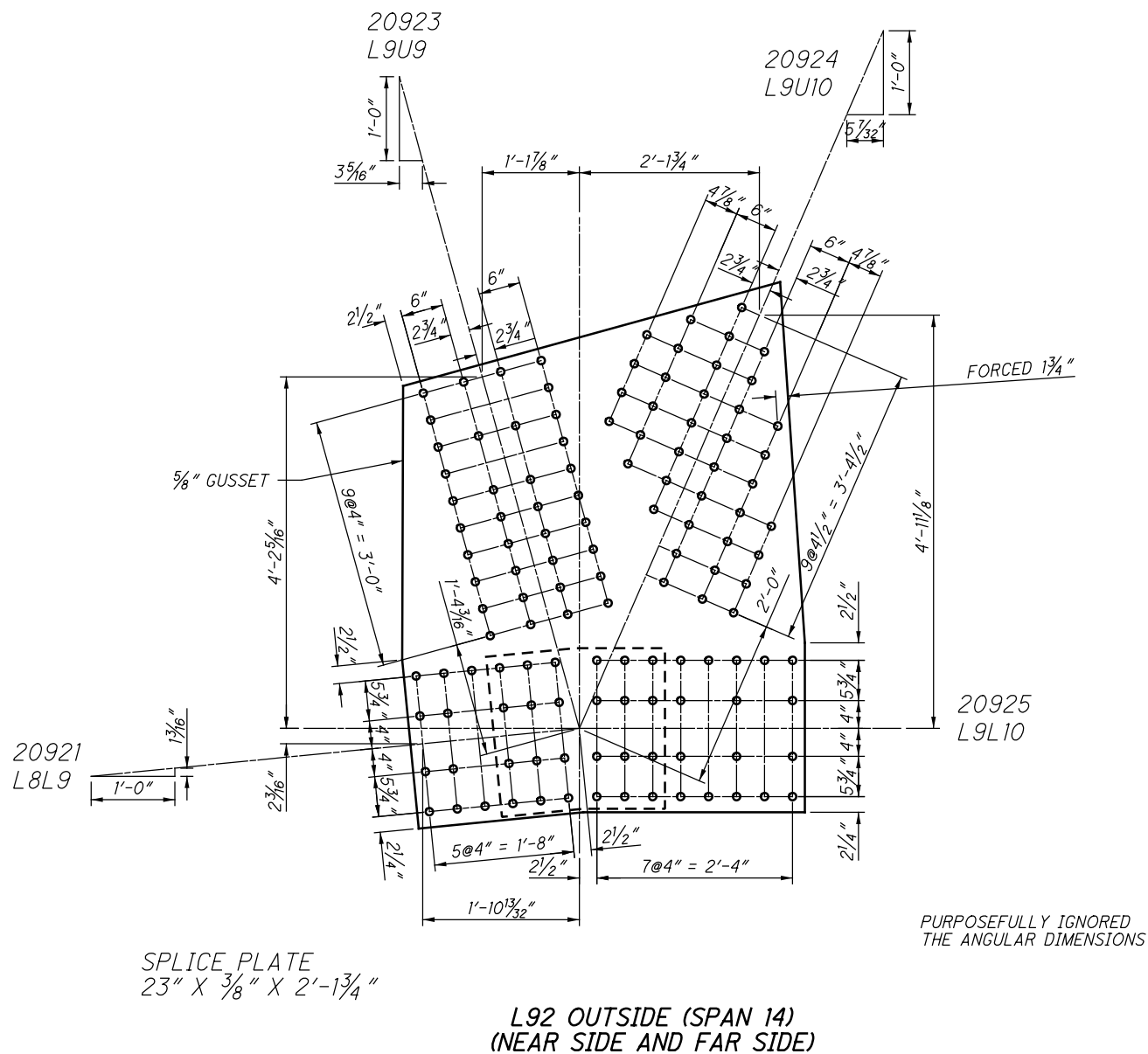


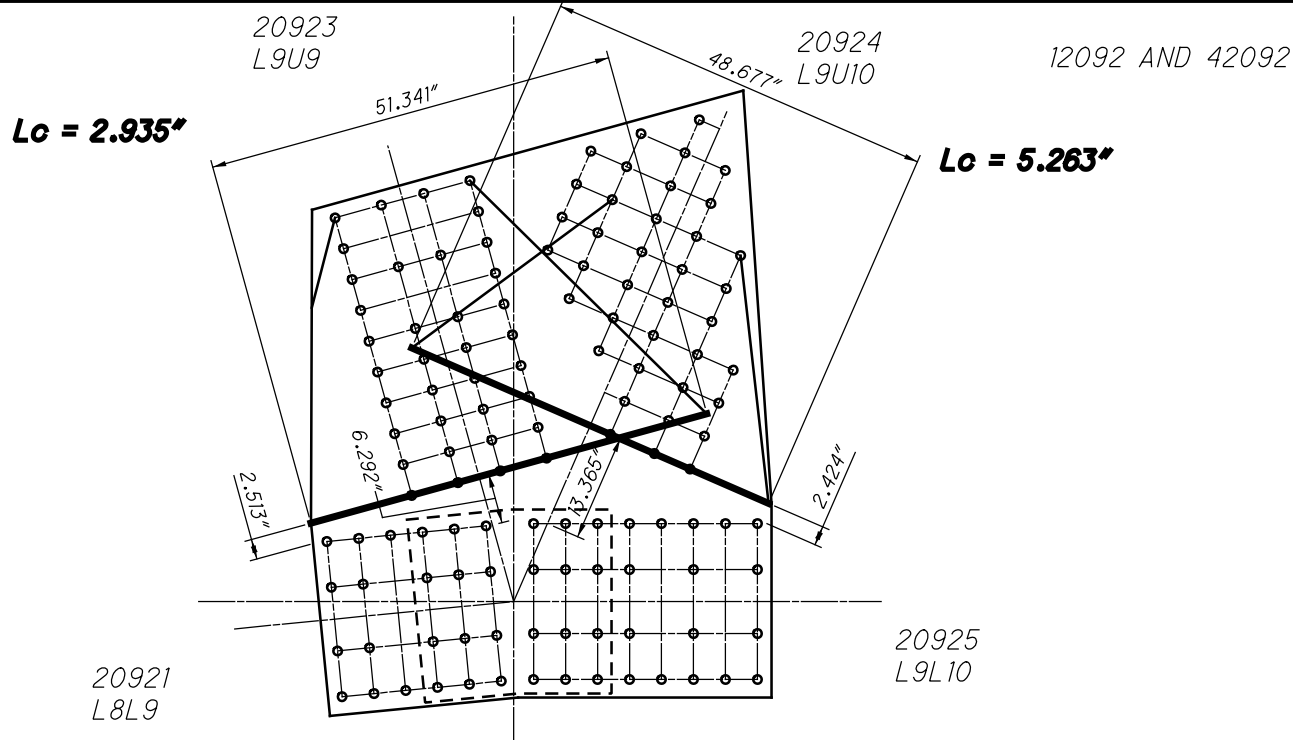
L91 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



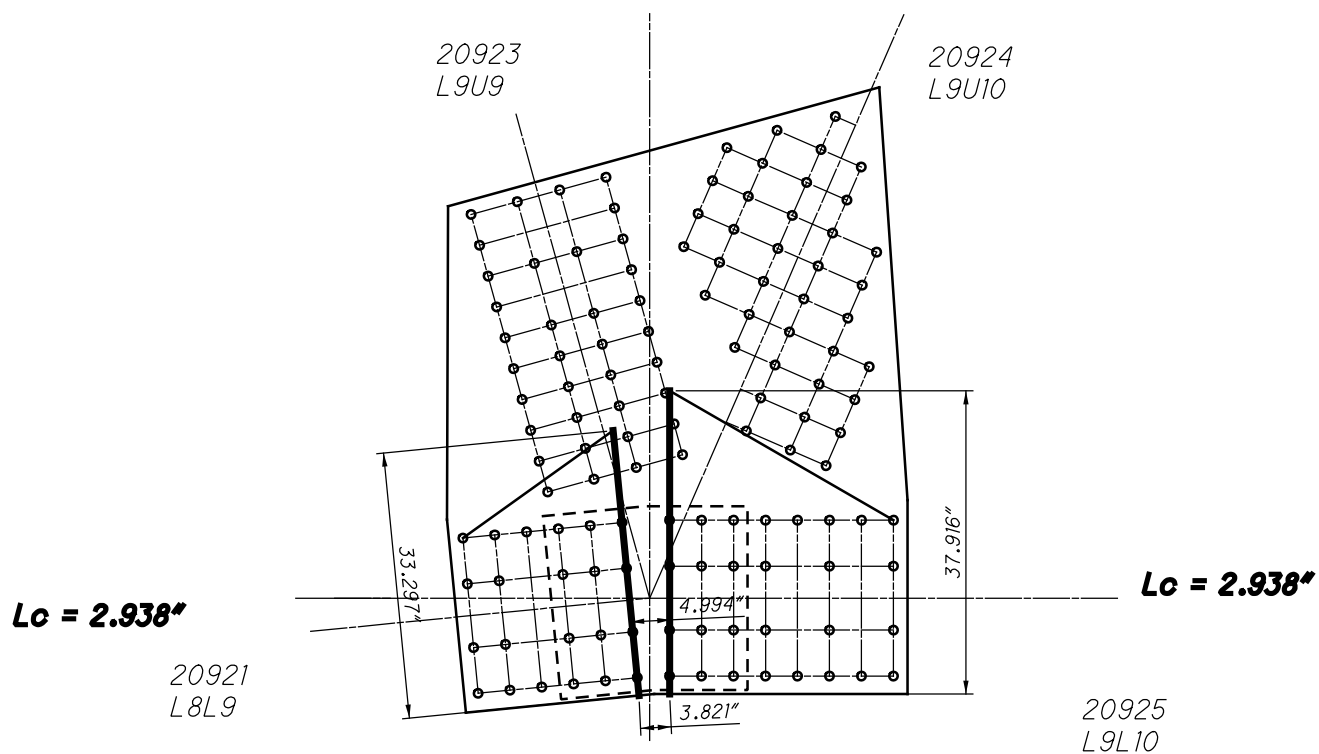


**L91 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS**



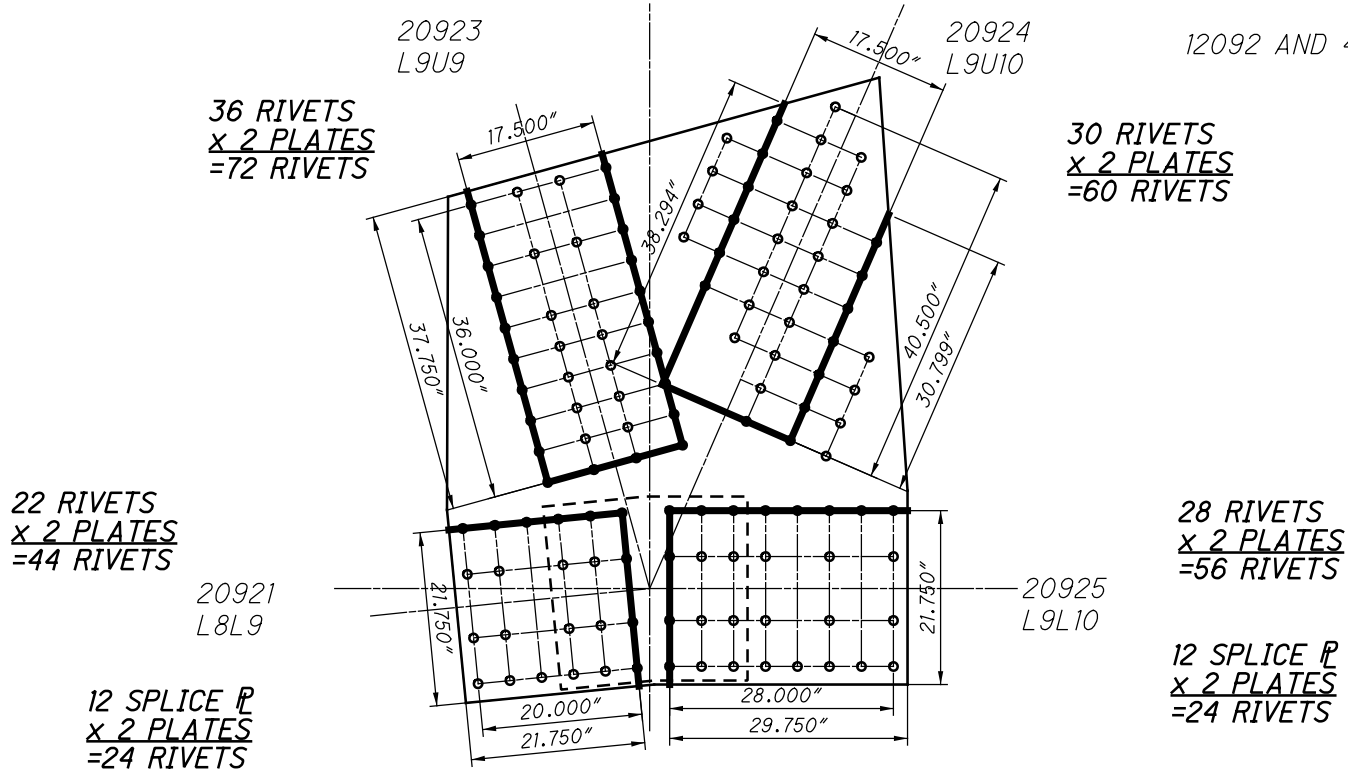


L92 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

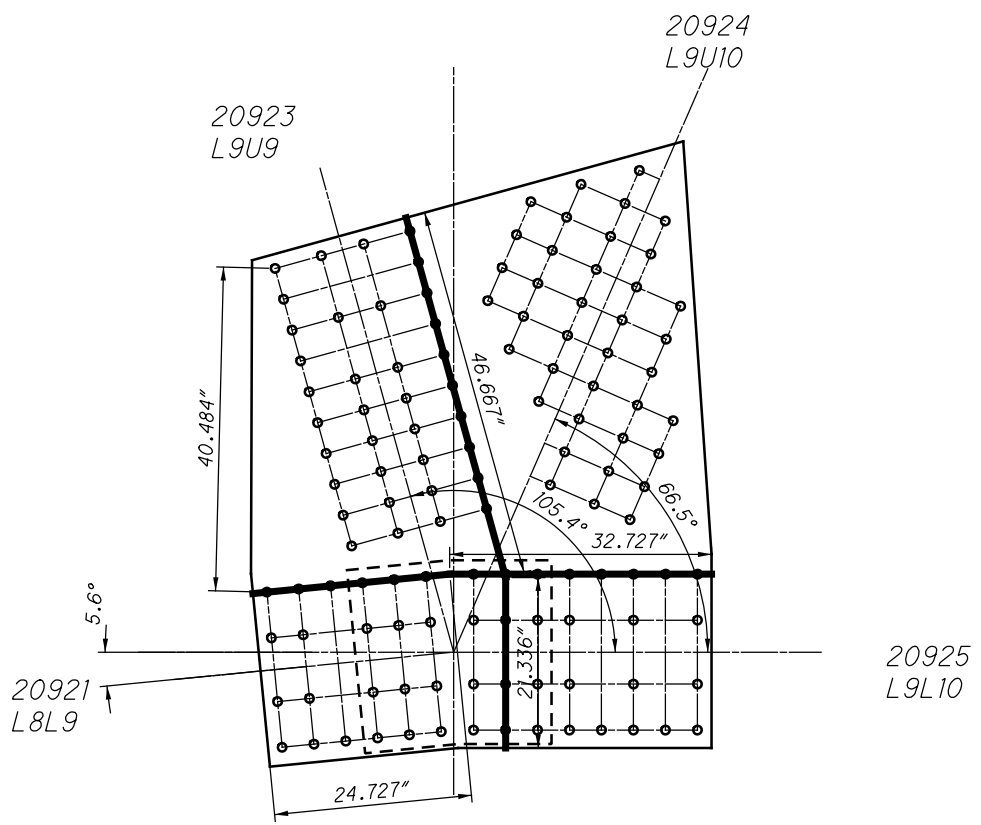


L92 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

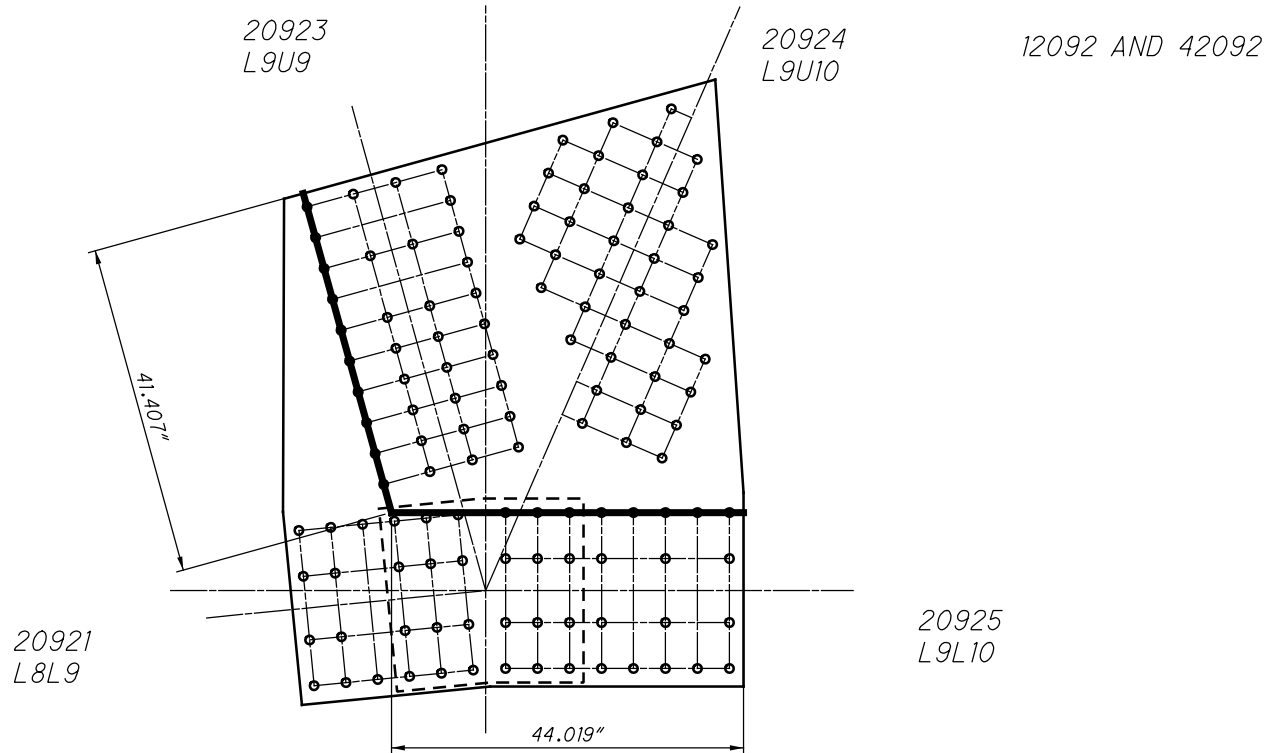
12092 AND 42092



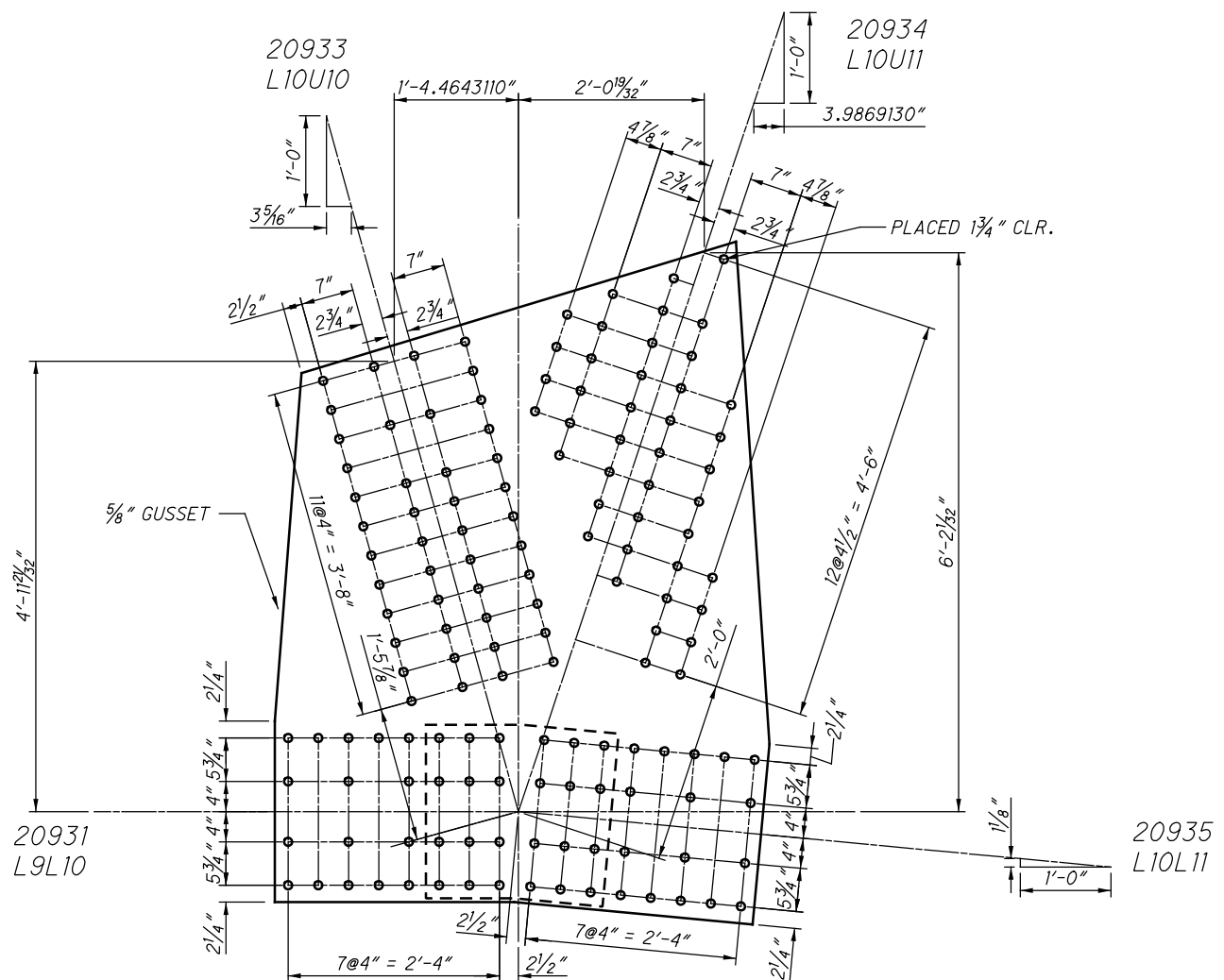
L92 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



L92 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

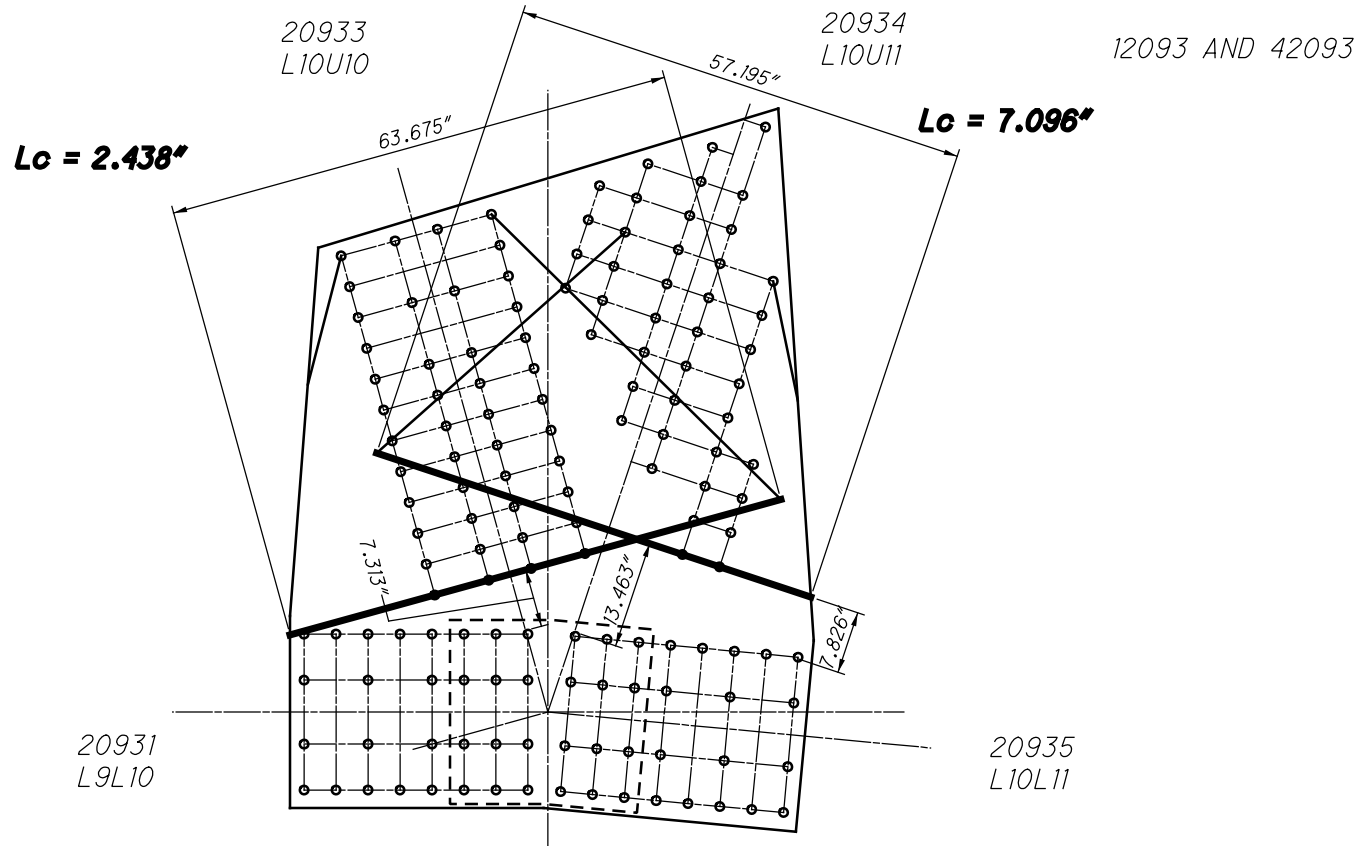


*L92 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS*

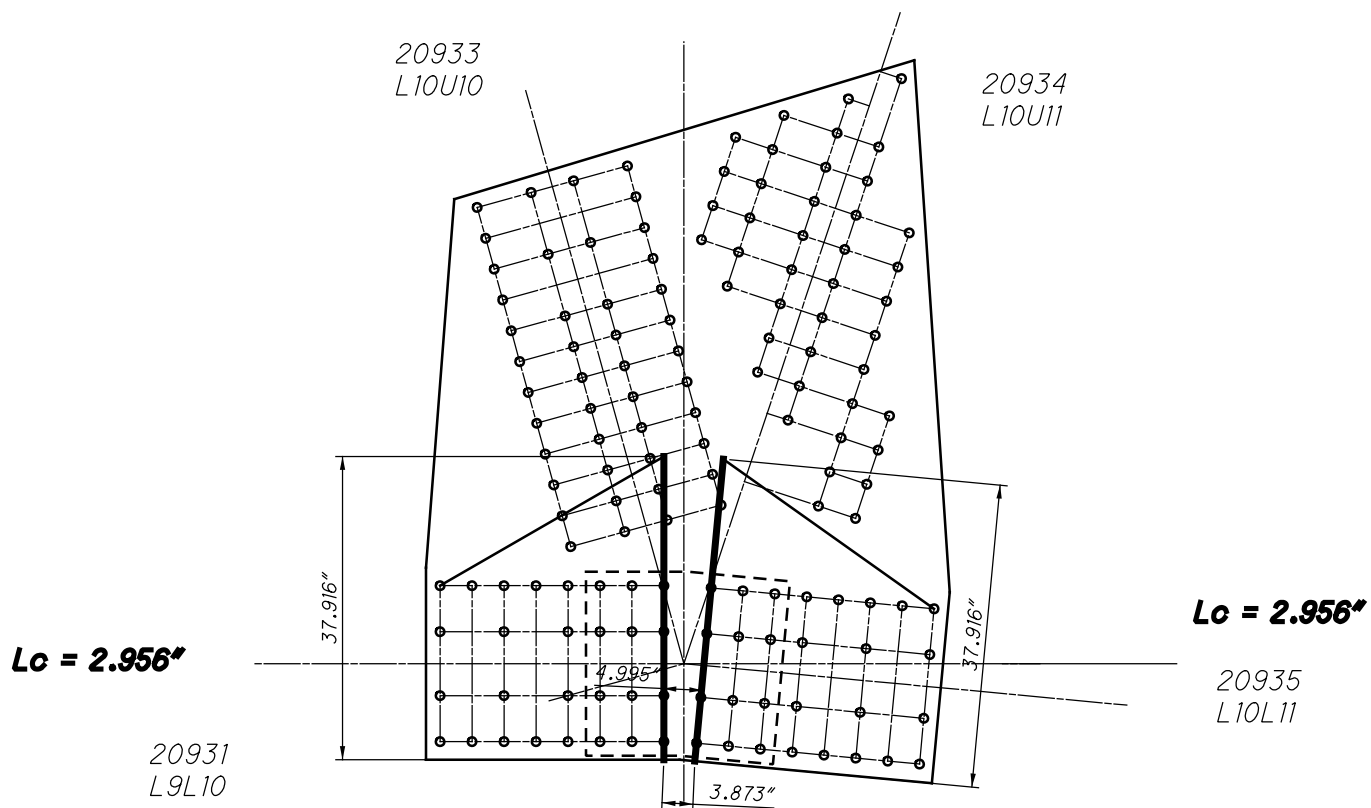


L93 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

SPLICE PLATE
23" X 3/8" X 2'-1 3/4"



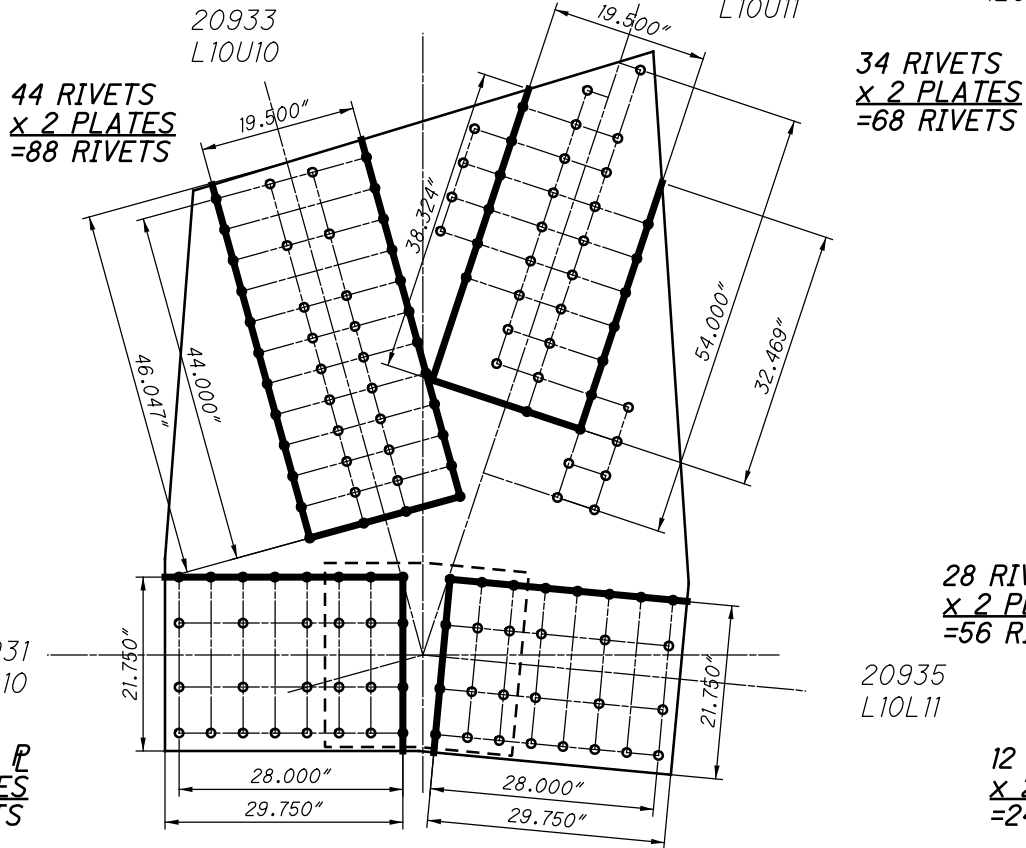
L93 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



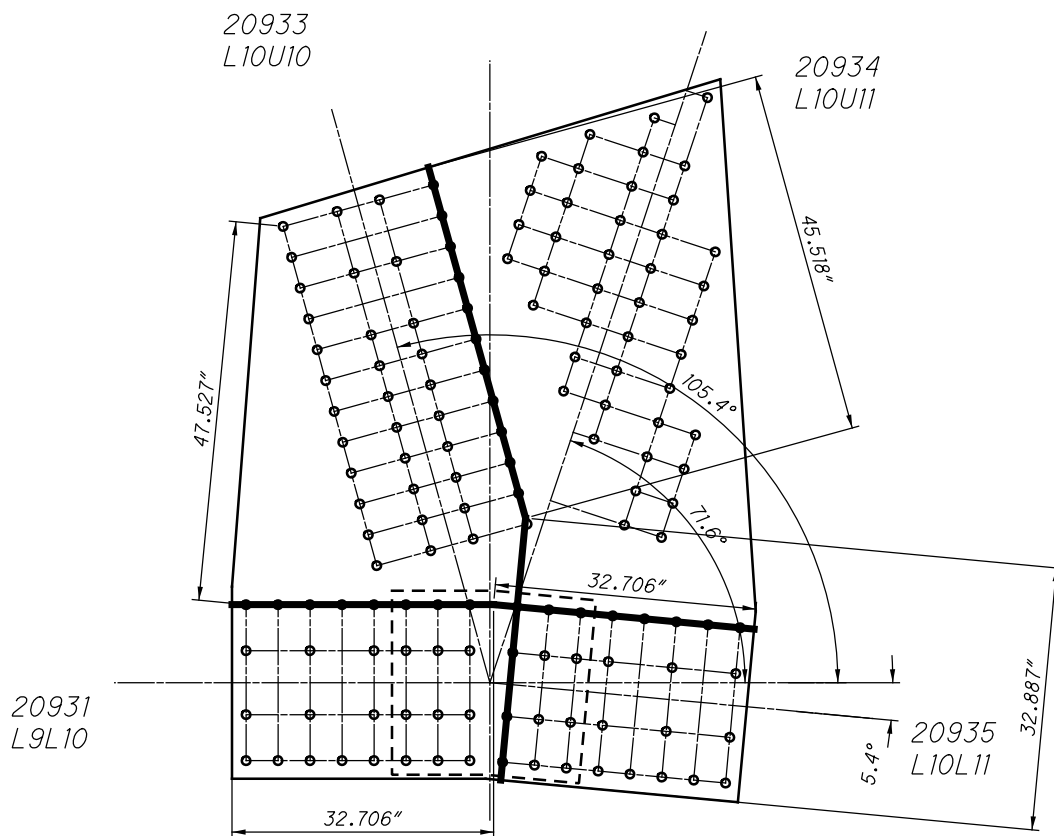
L93 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20934
L10U11

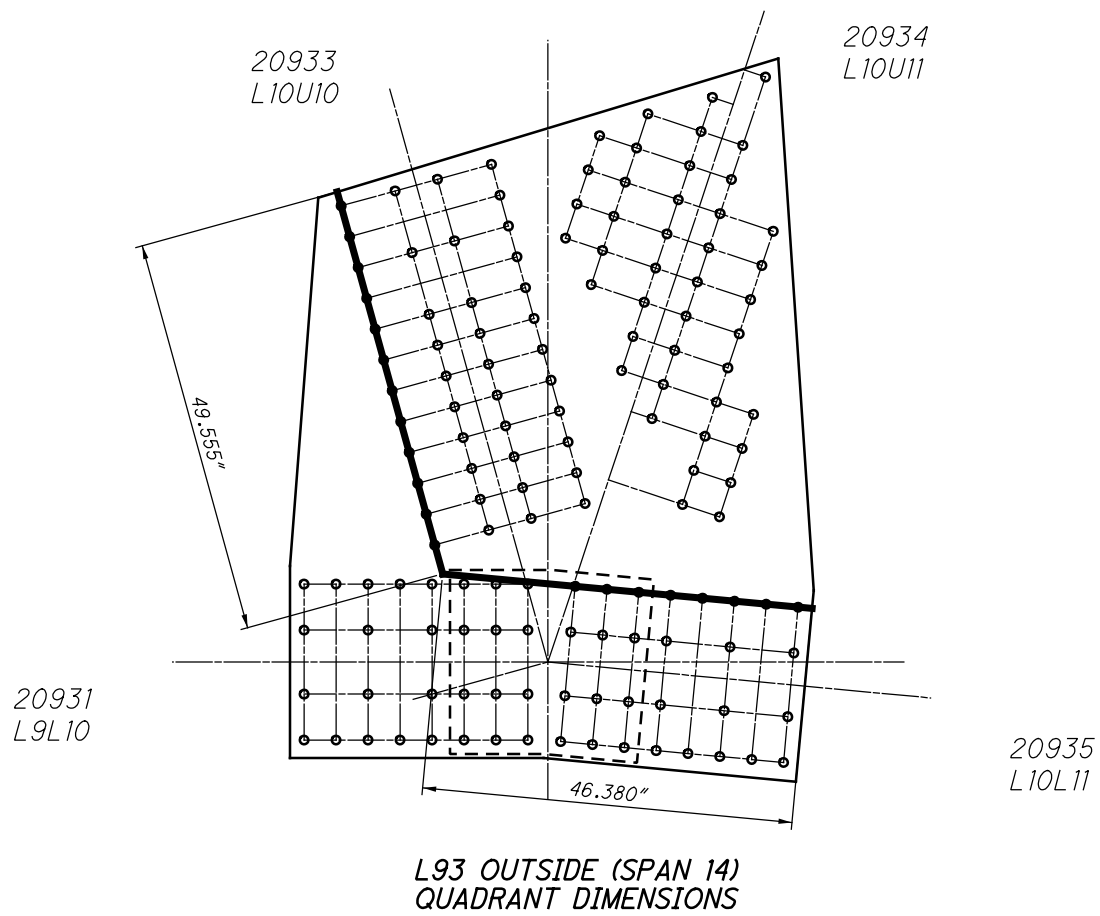
12093 AND 42093

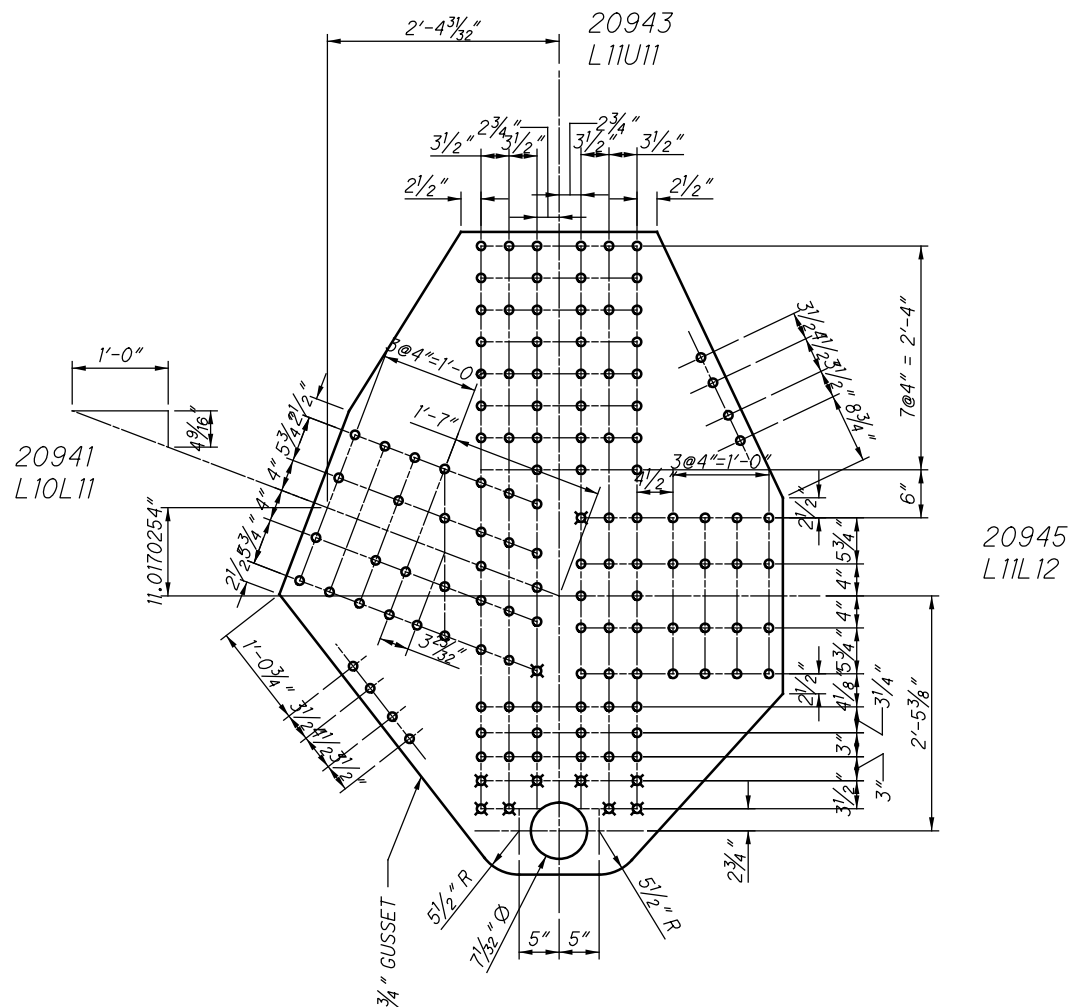


L93 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

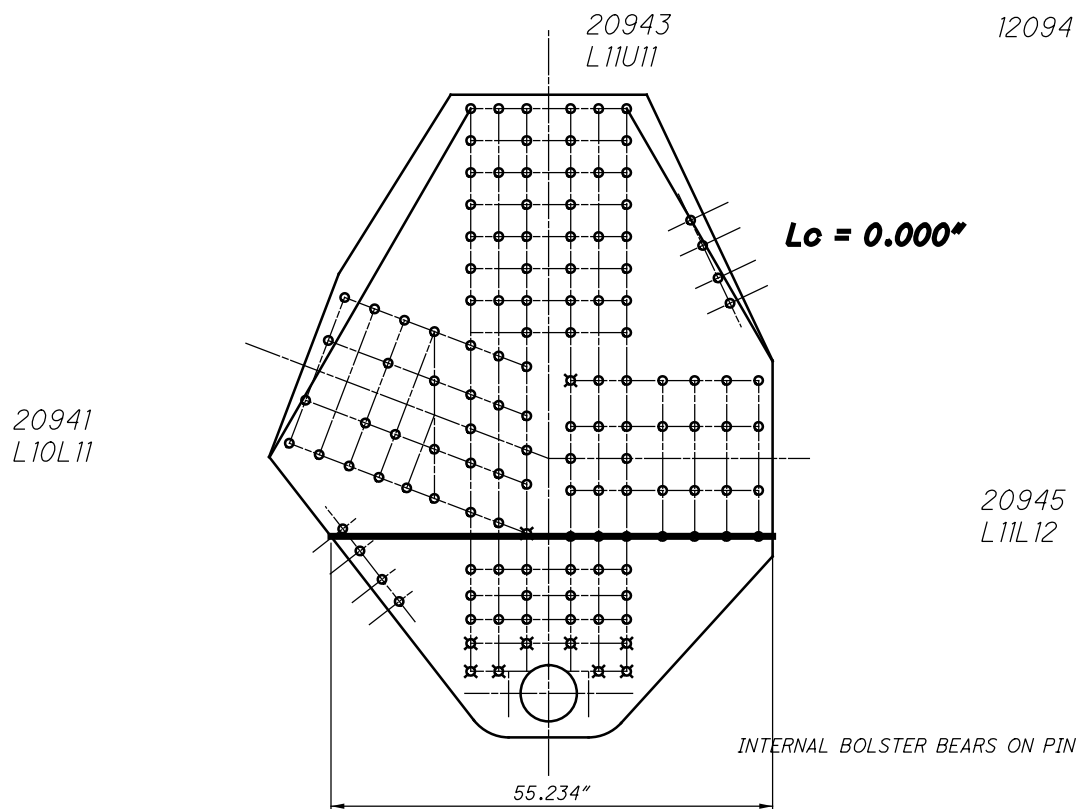


L93 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

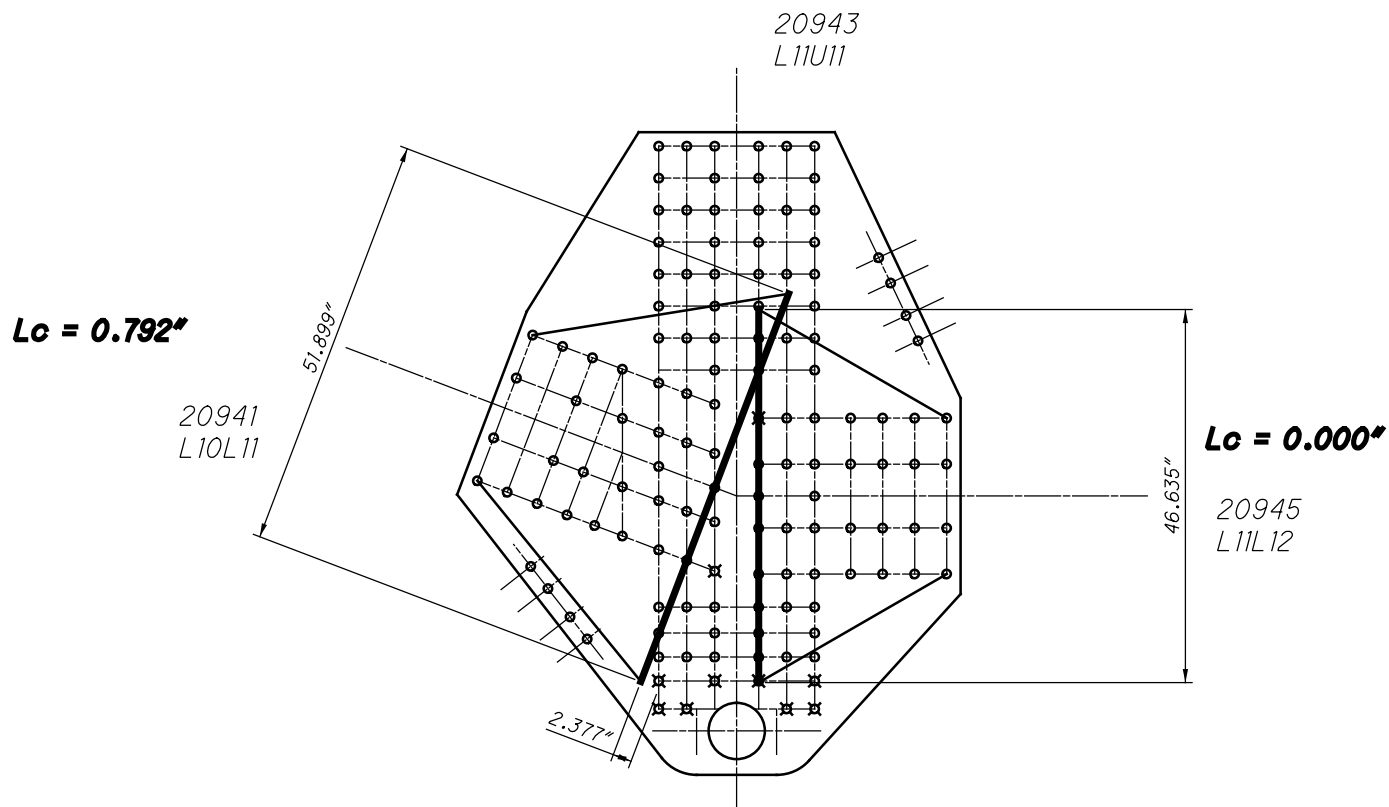




L94 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



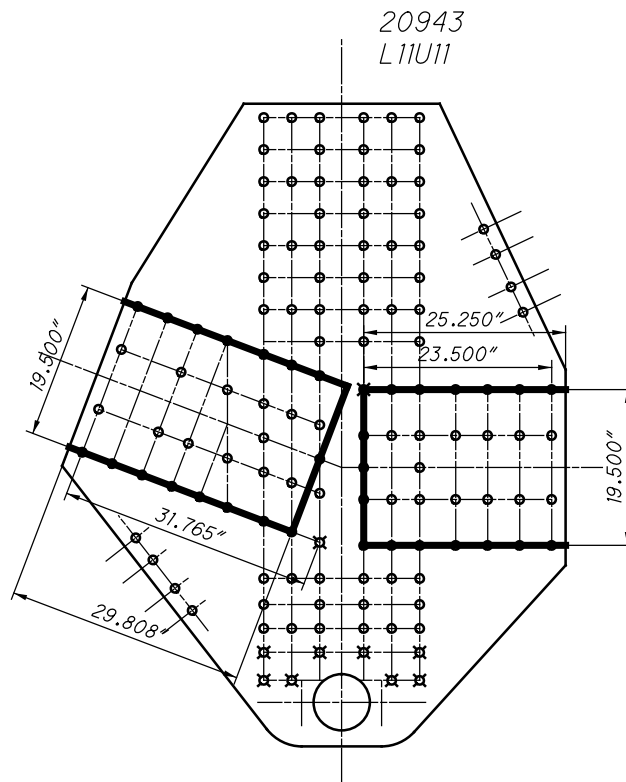
L94 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L94 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

31 RIVETS
x 2 PLATES
=62 RIVETS

20941
L10L11



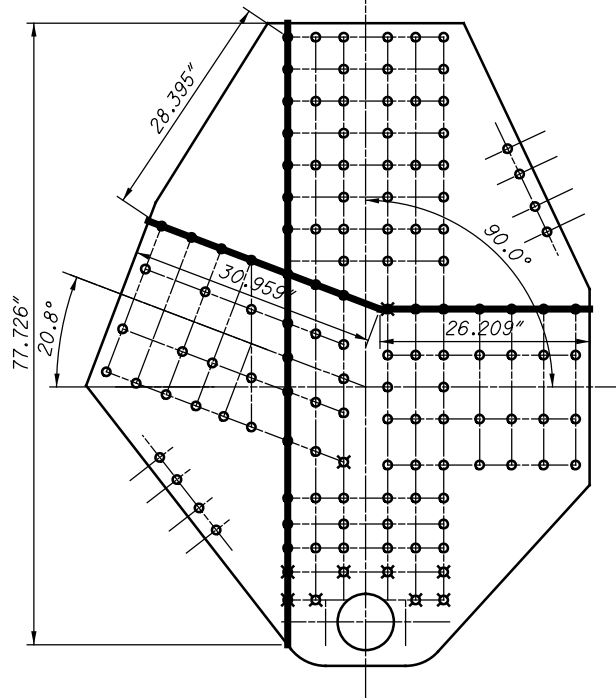
30 RIVETS
x 2 PLATES
=60 RIVETS

20945
L11L12

L94 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

20943
L11U11

20941
L10L11



20945
L11L12

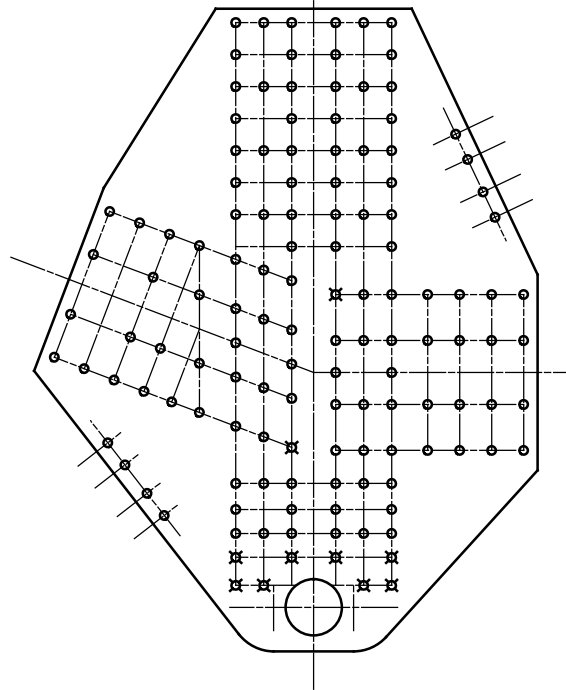
L94 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

20943
L11U11

12094 AND 42094

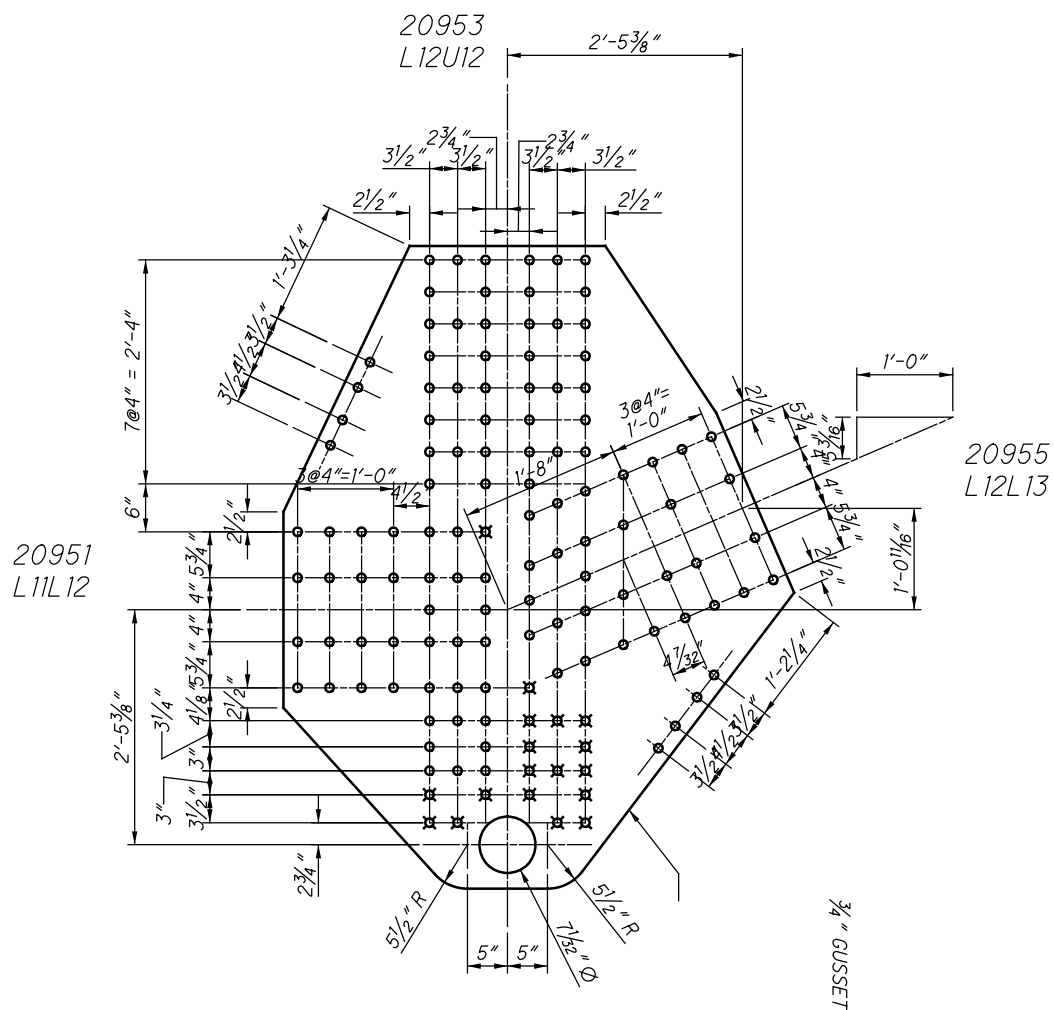
20941
L10L11

20945
L11L12



*L94 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS*

*VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORDS ARE IN COMPRESSION*



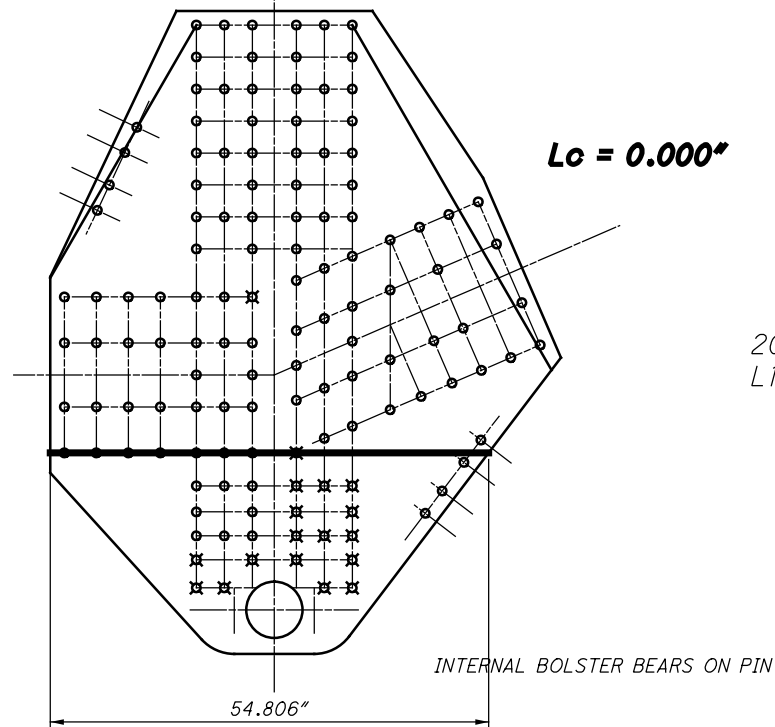
L95 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

20951
L11L12

20953
L12U12

20955
L12L13

$L_c = 0.000''$



**L95 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

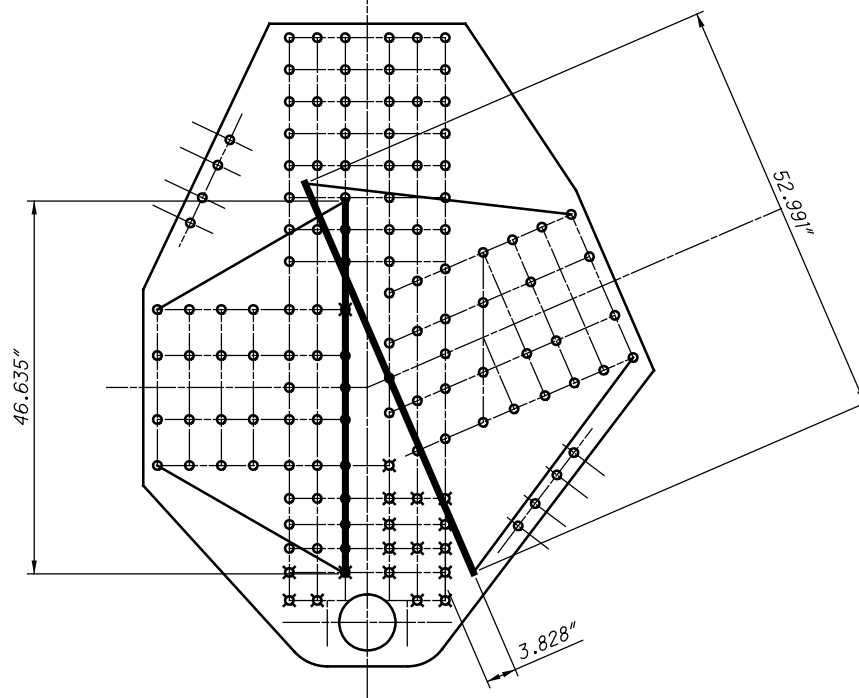
$L_c = 0.000''$

20951
L11L12

20953
L12U12

$L_c = 1.276''$

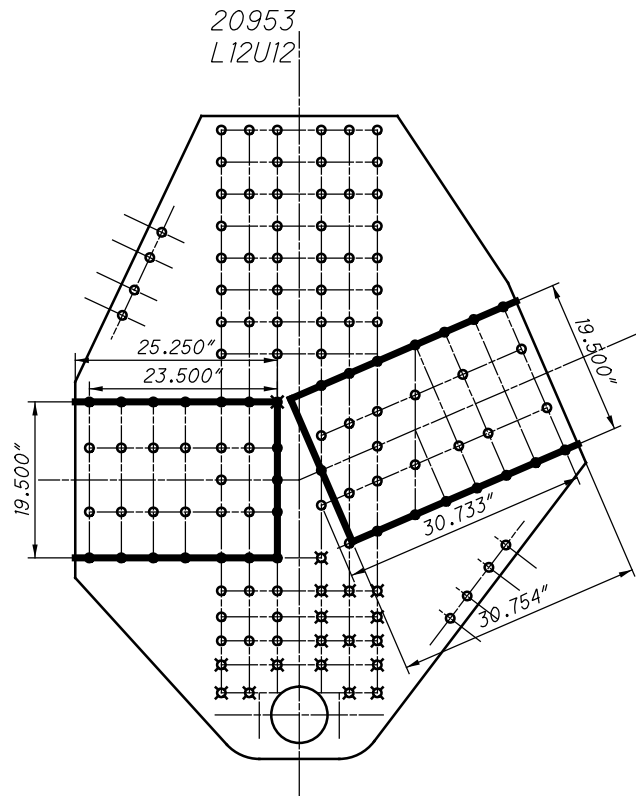
20955
L12L13



**L95 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

30 RIVETS
x 2 PLATES
=60 RIVETS

20951
L11L12

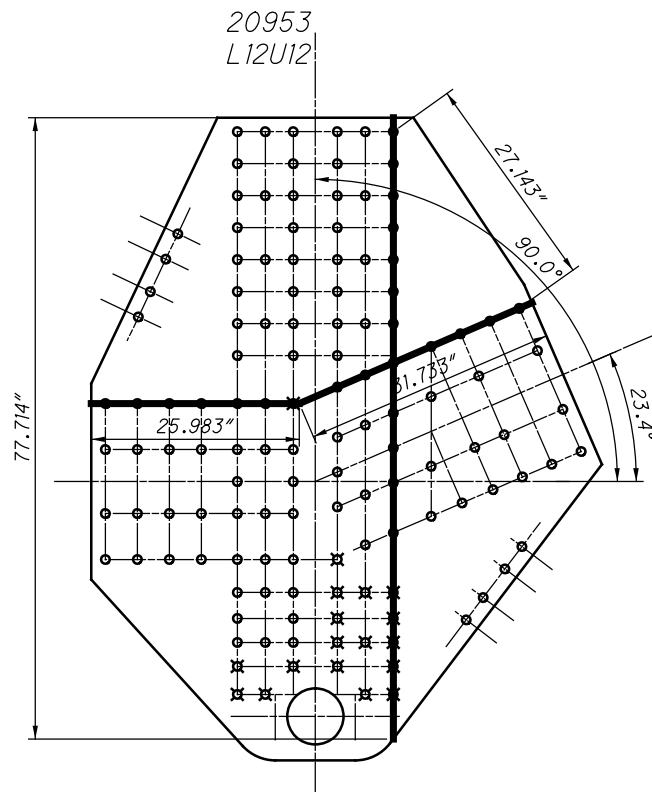


31 RIVETS
x 2 PLATES
=62 RIVETS

20955
L12L13

L95 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

20951
L11L12



20955
L12L13

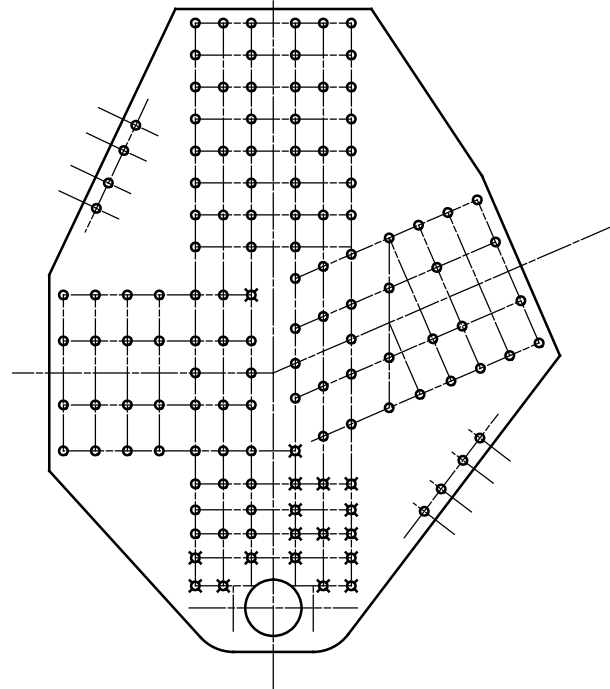
L95 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

20953
L12U12

12095 AND 42095

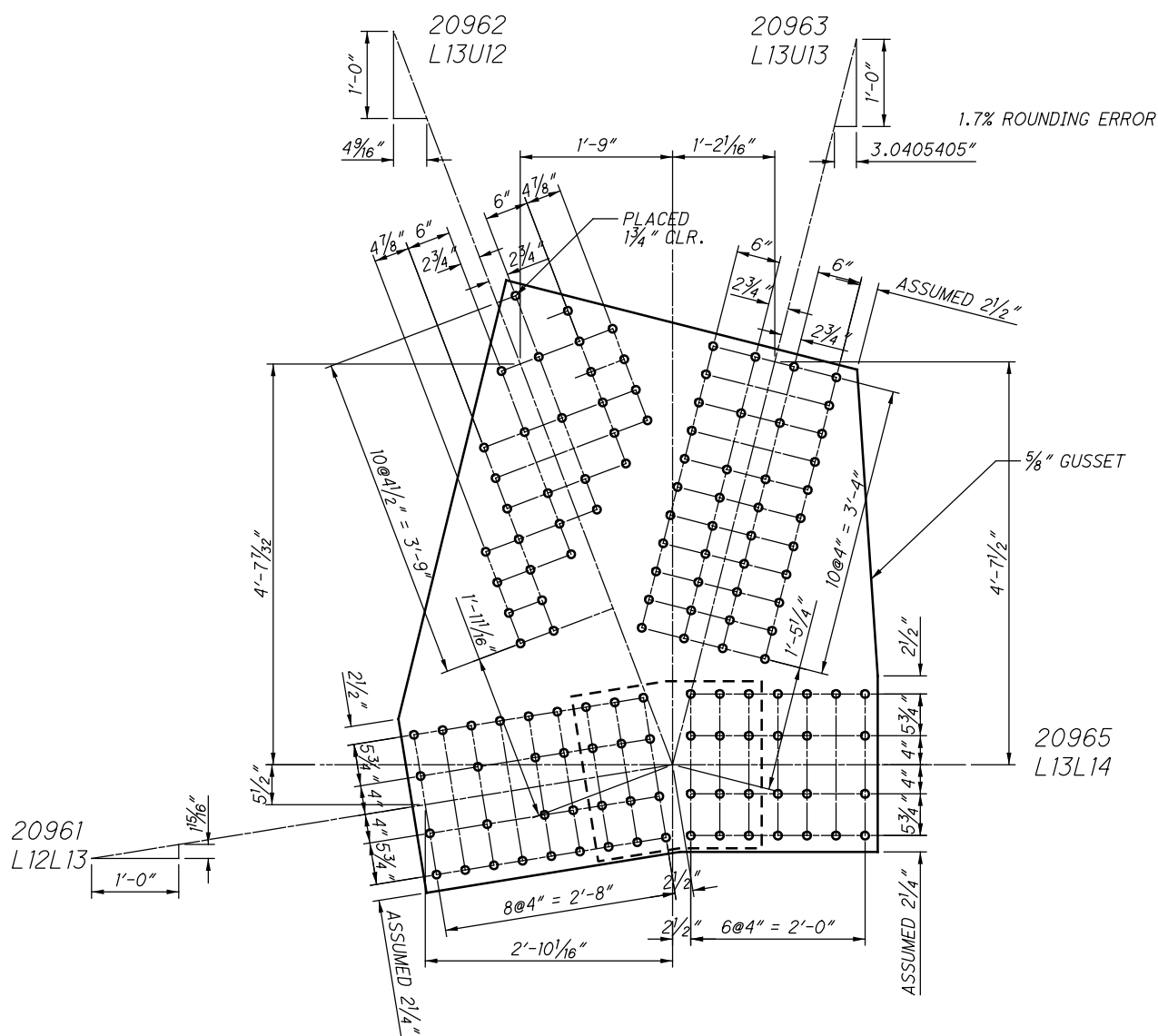
20951
L11L12

20955
L12L13



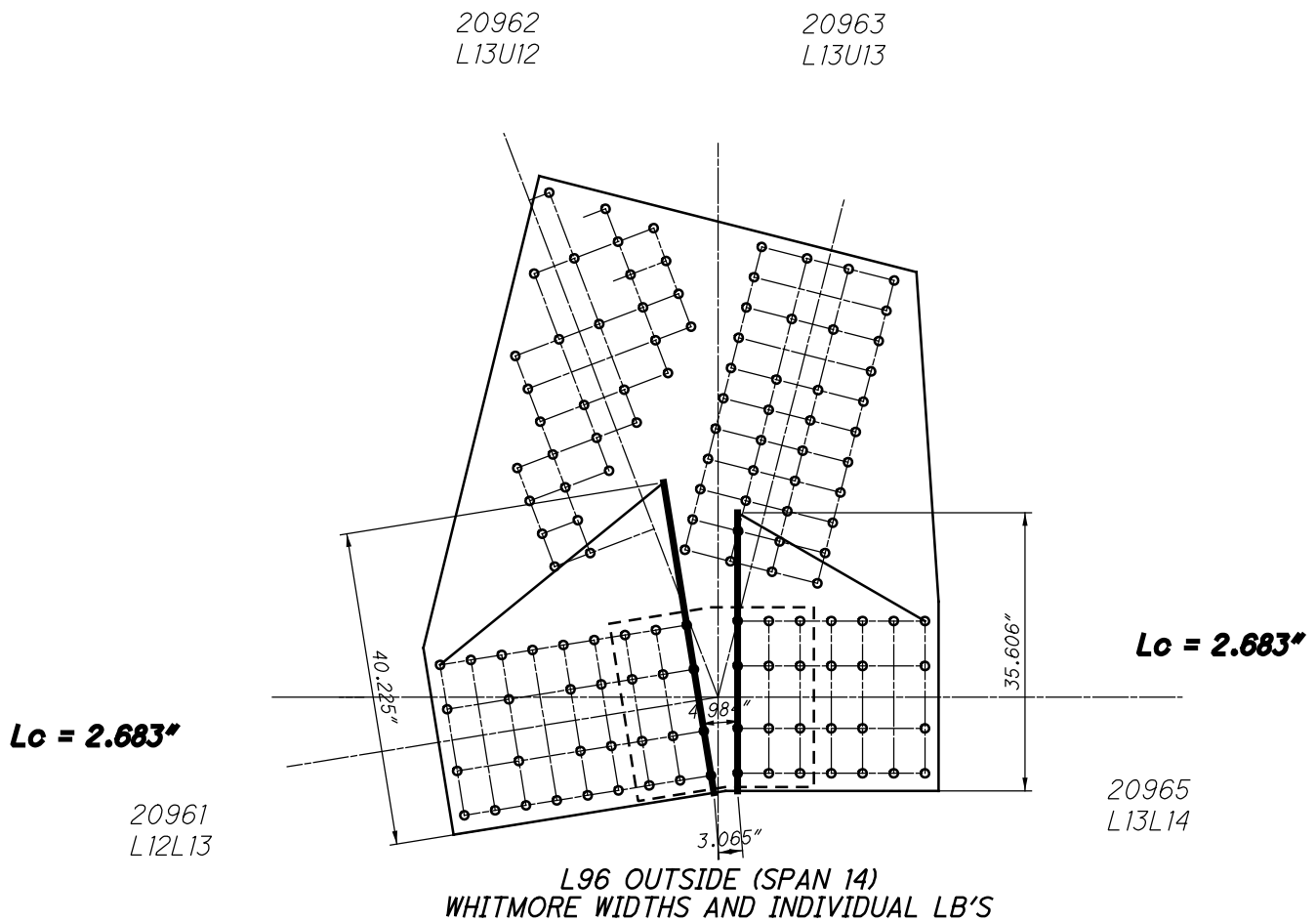
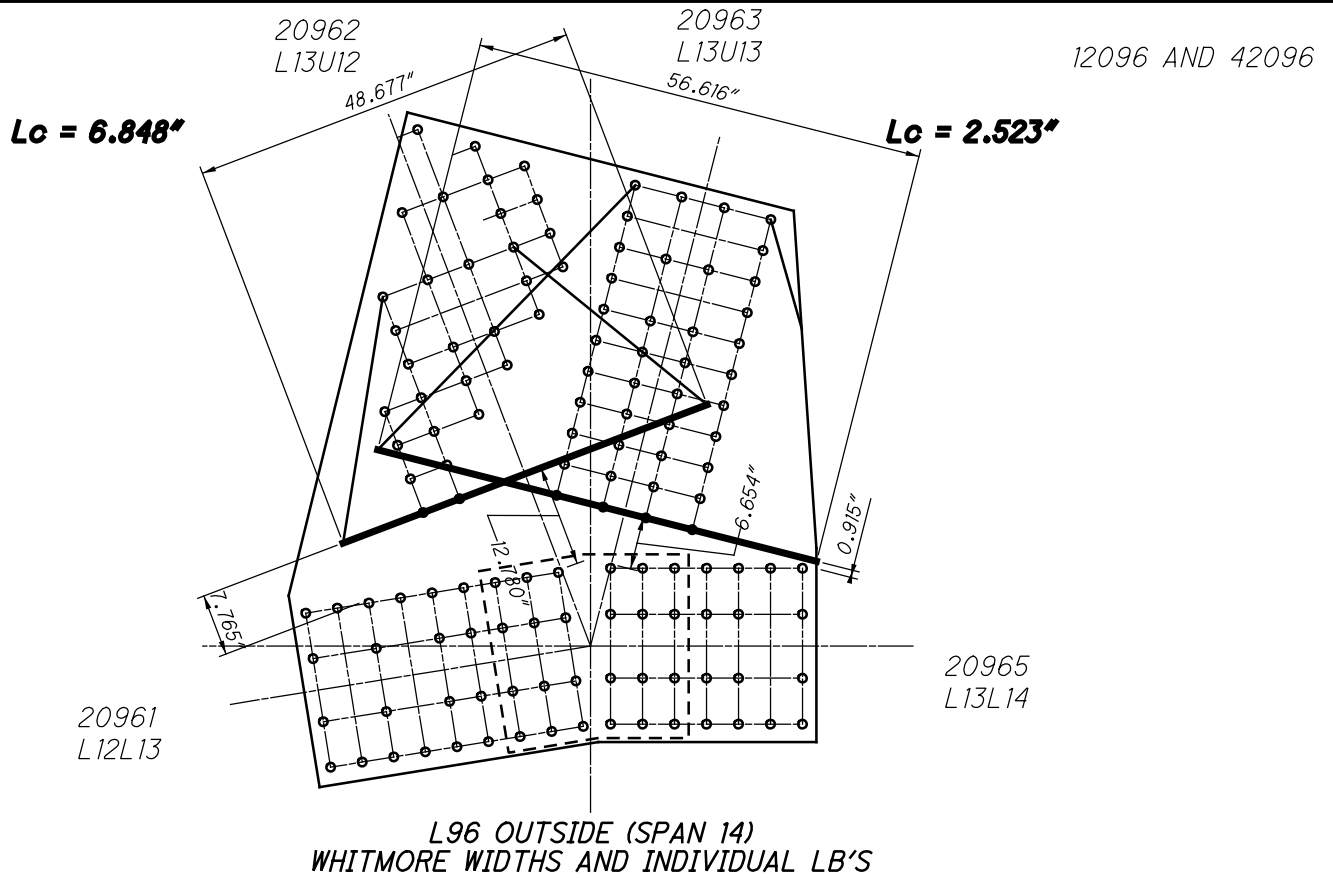
*L95 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS*

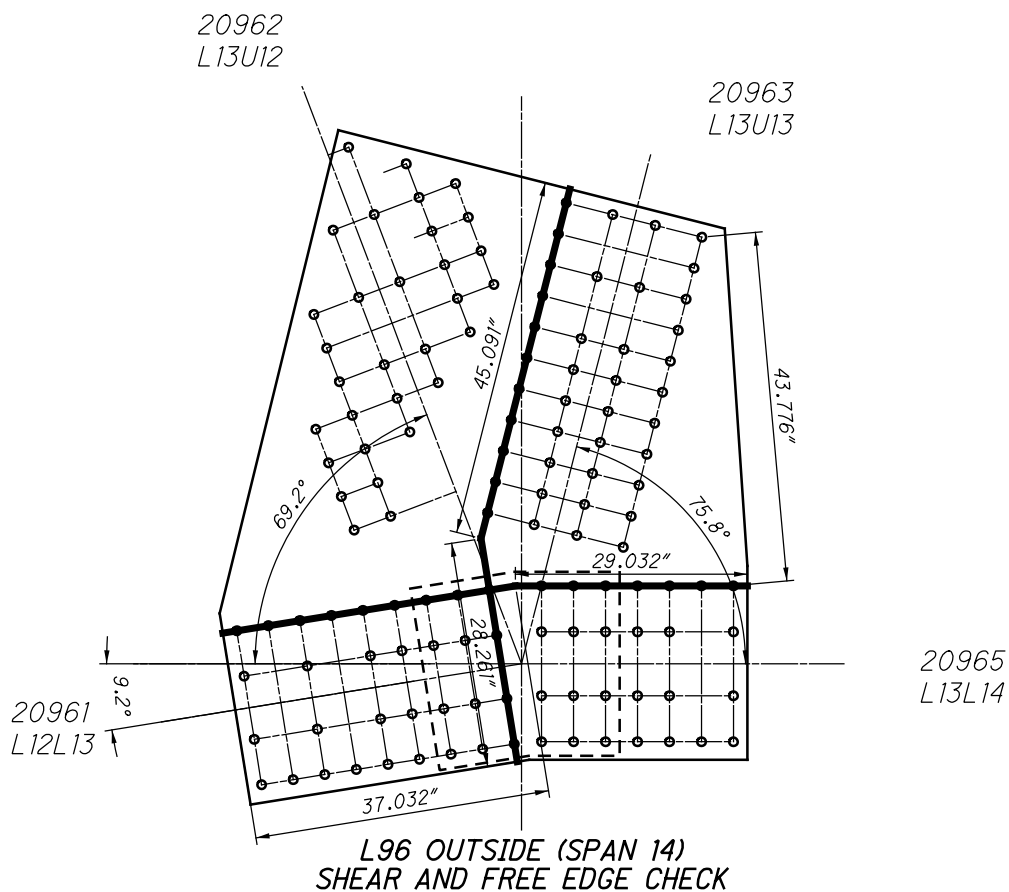
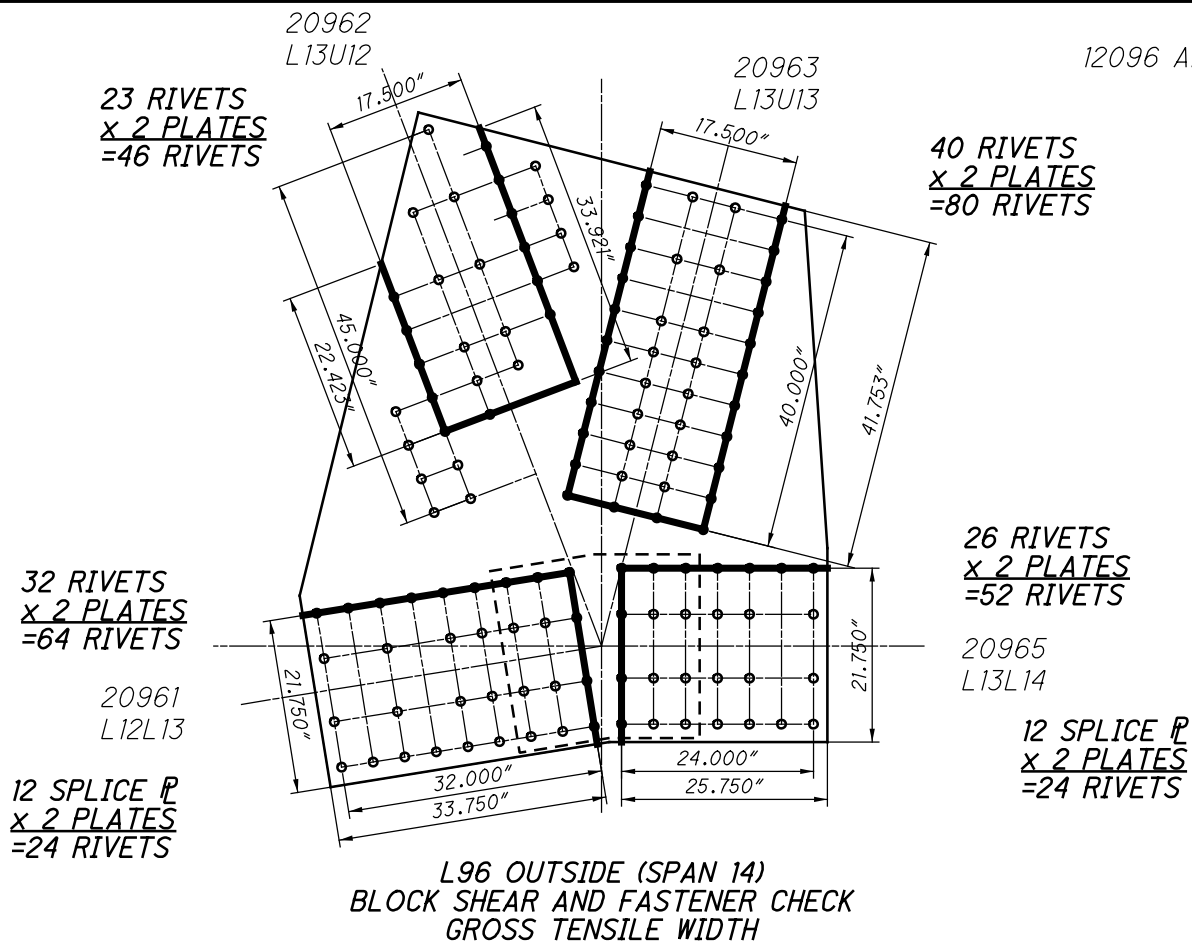
*VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORDS ARE IN COMPRESSION*



SPLICE PLATE
24" X 3/8" X 2'-2 1/2"

L96 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)





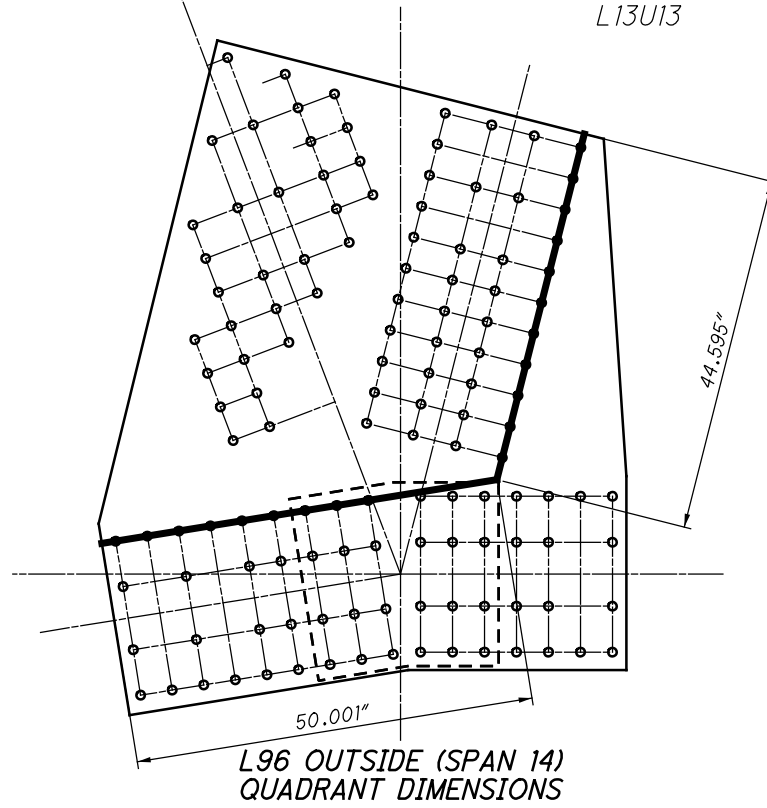
20962
L13U12

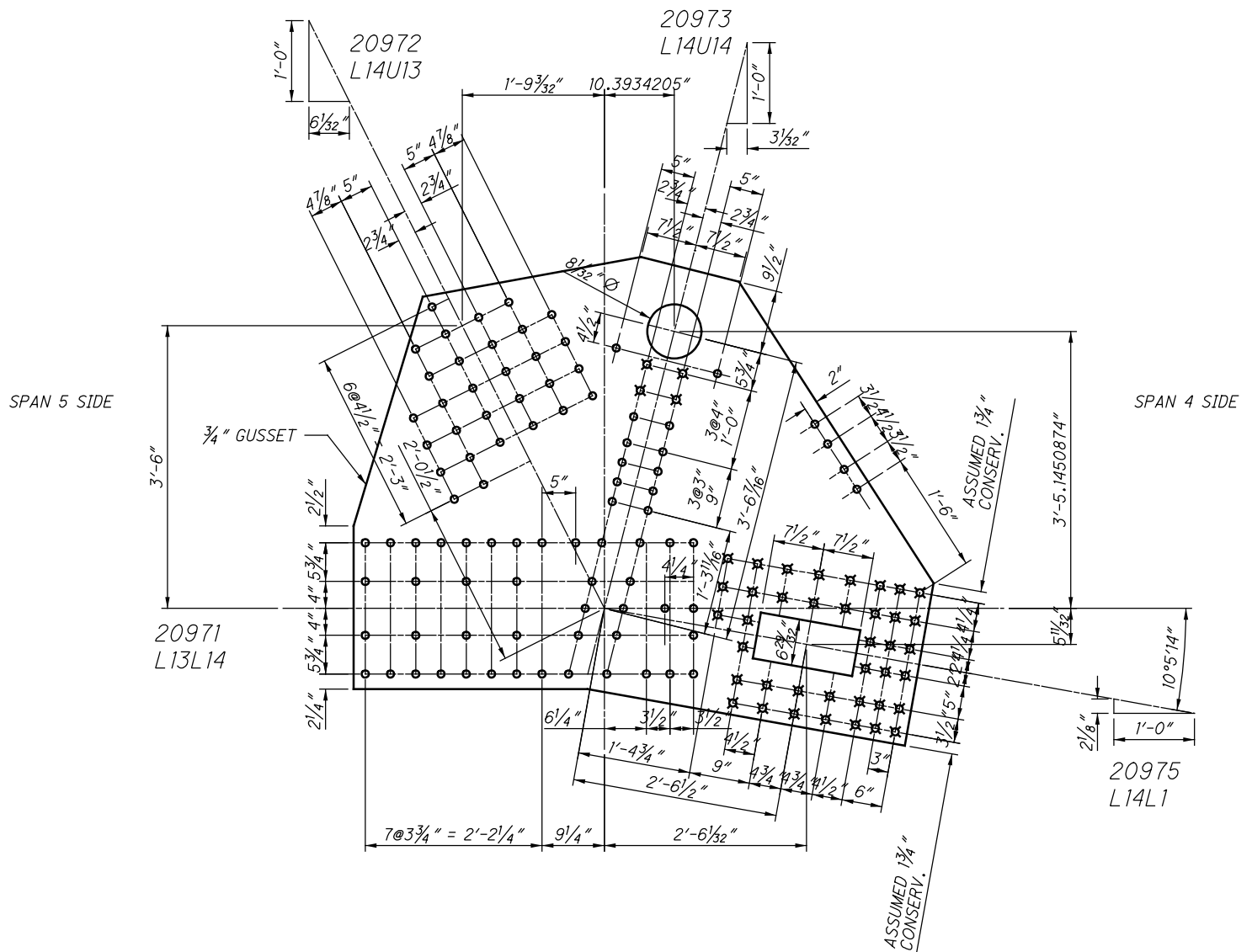
20963
L13U13

12096 AND 42096

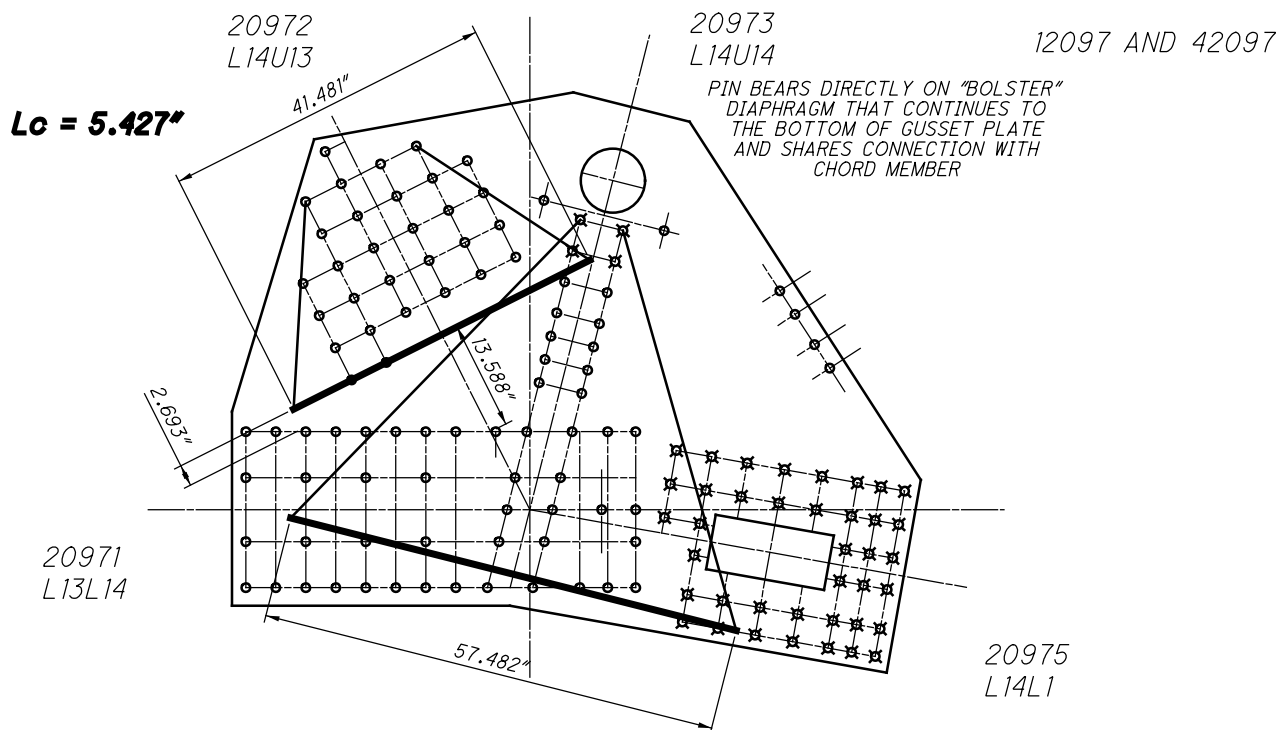
20961
L12L13

20965
L13L14

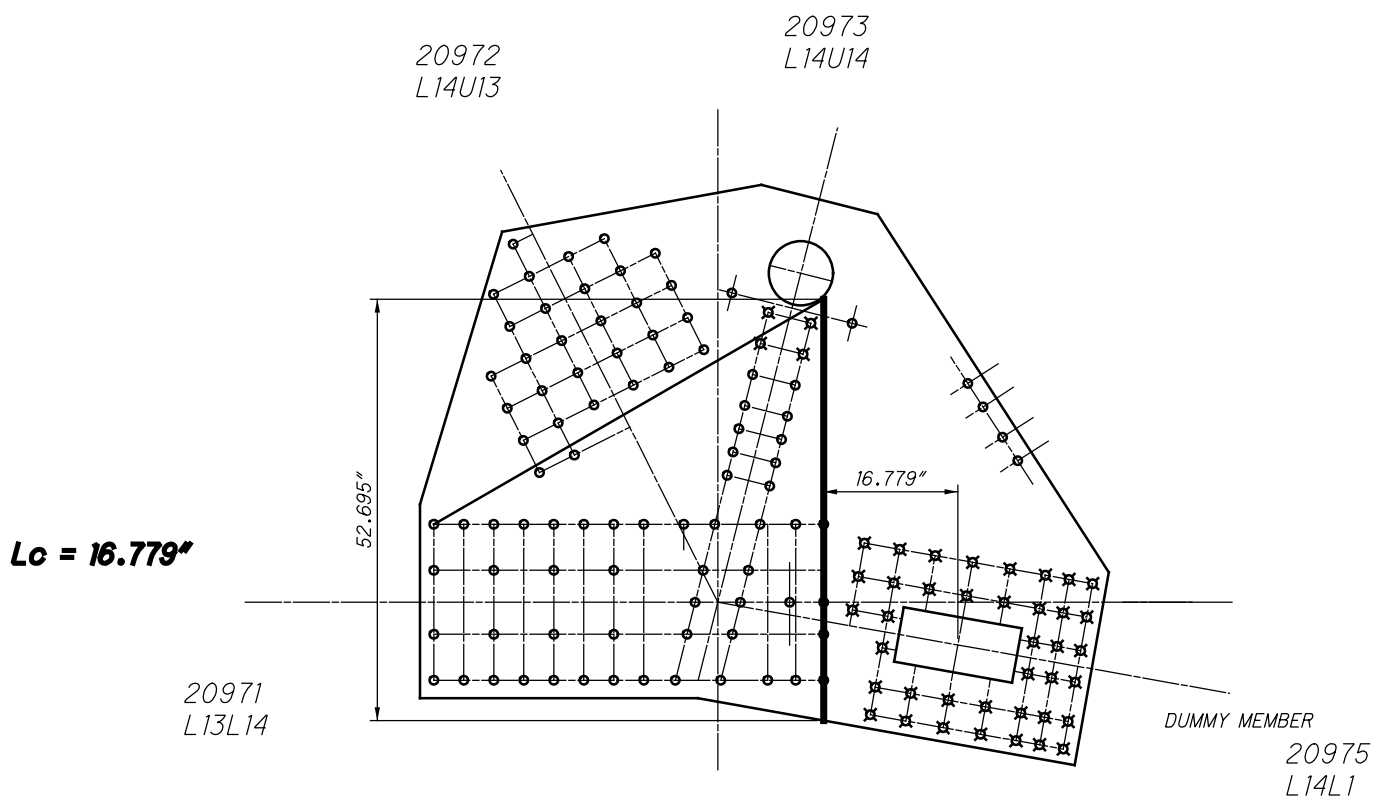




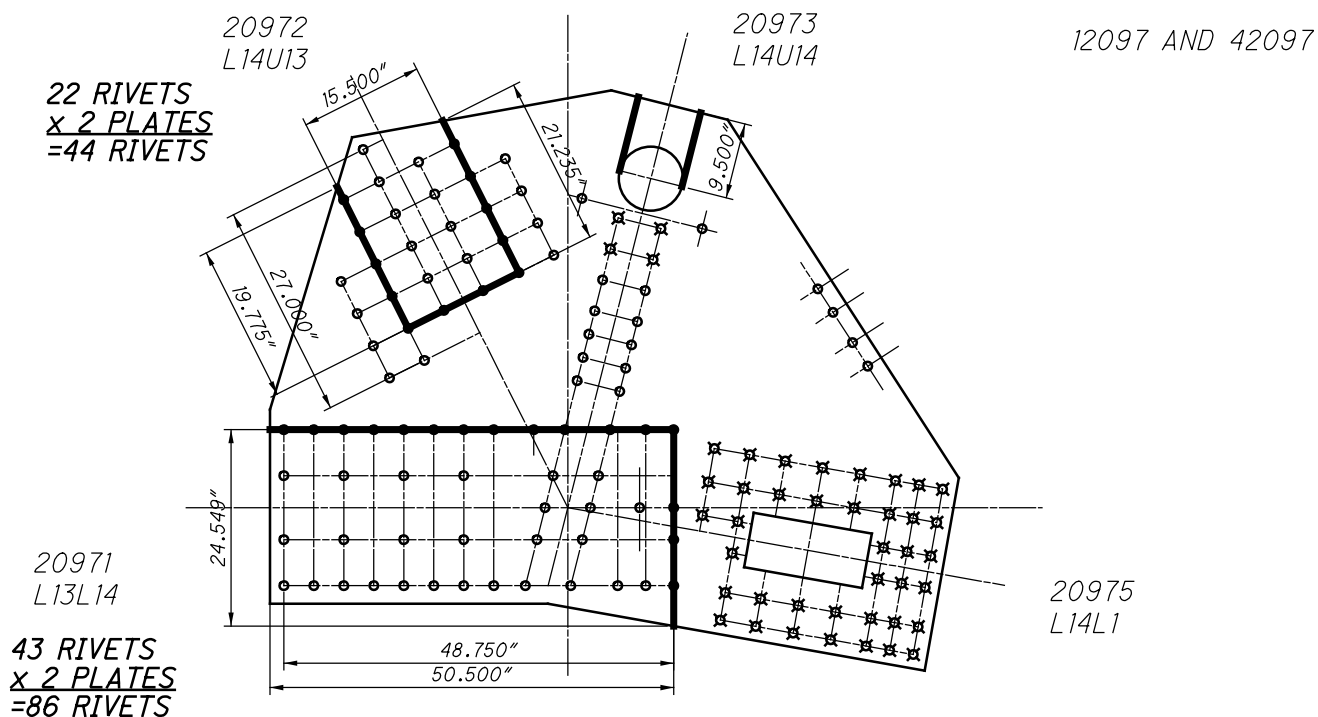
L97 OUTSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



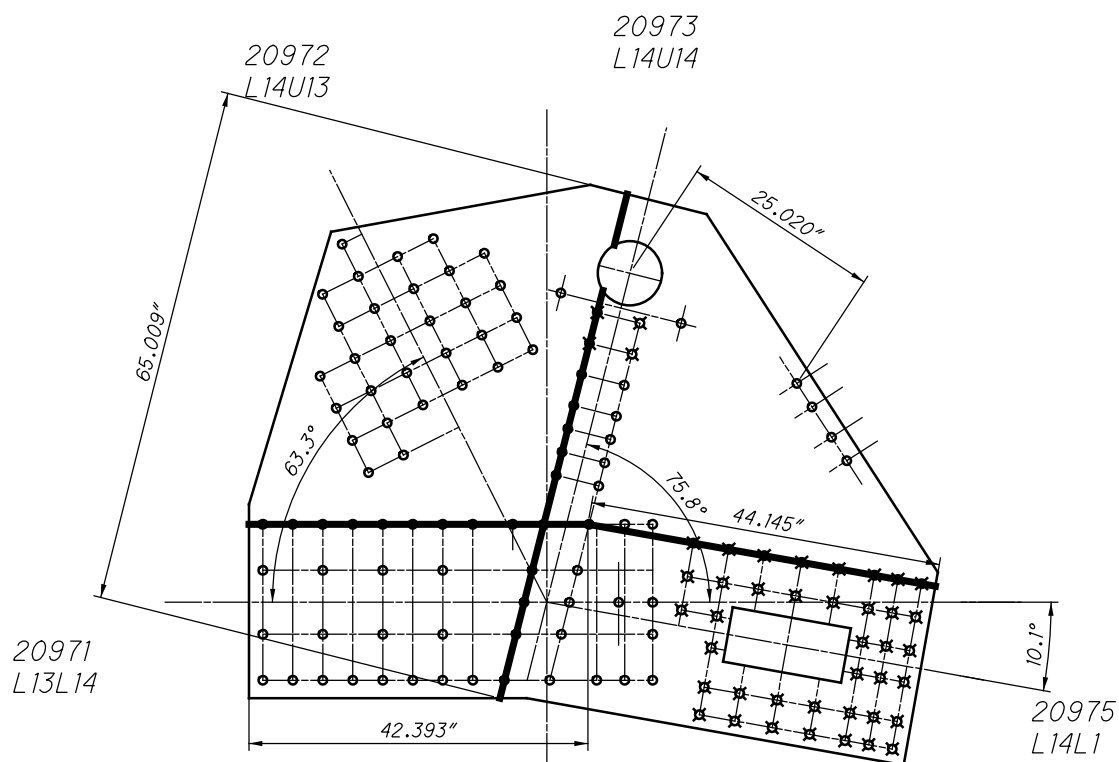
**L97 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



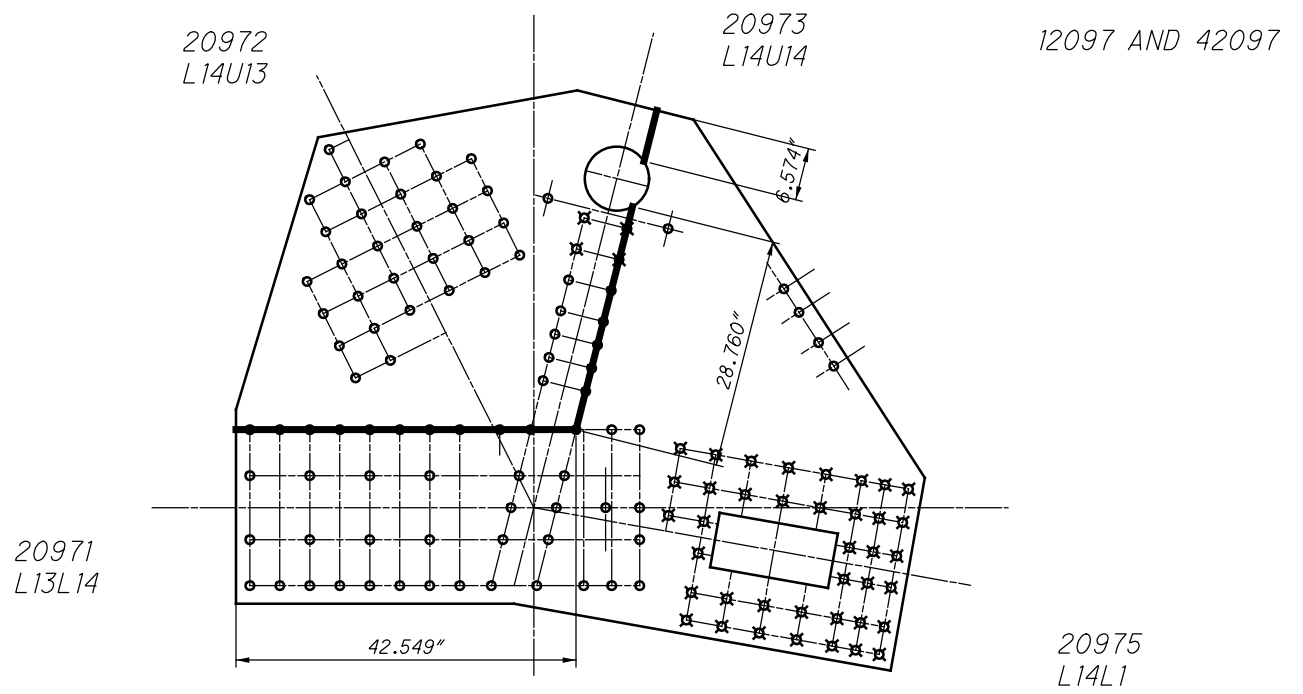
**L97 OUTSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



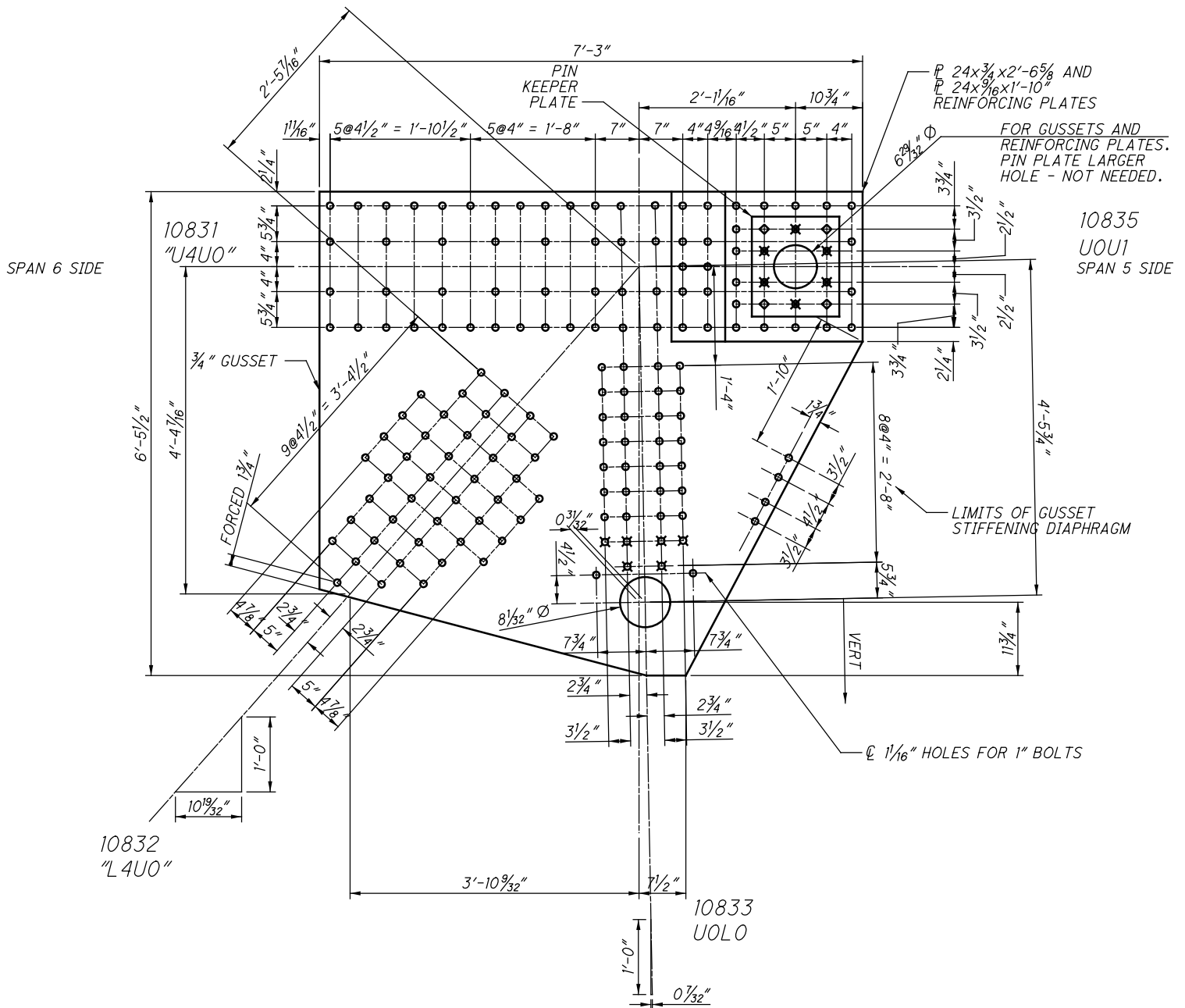
L97 OUTSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

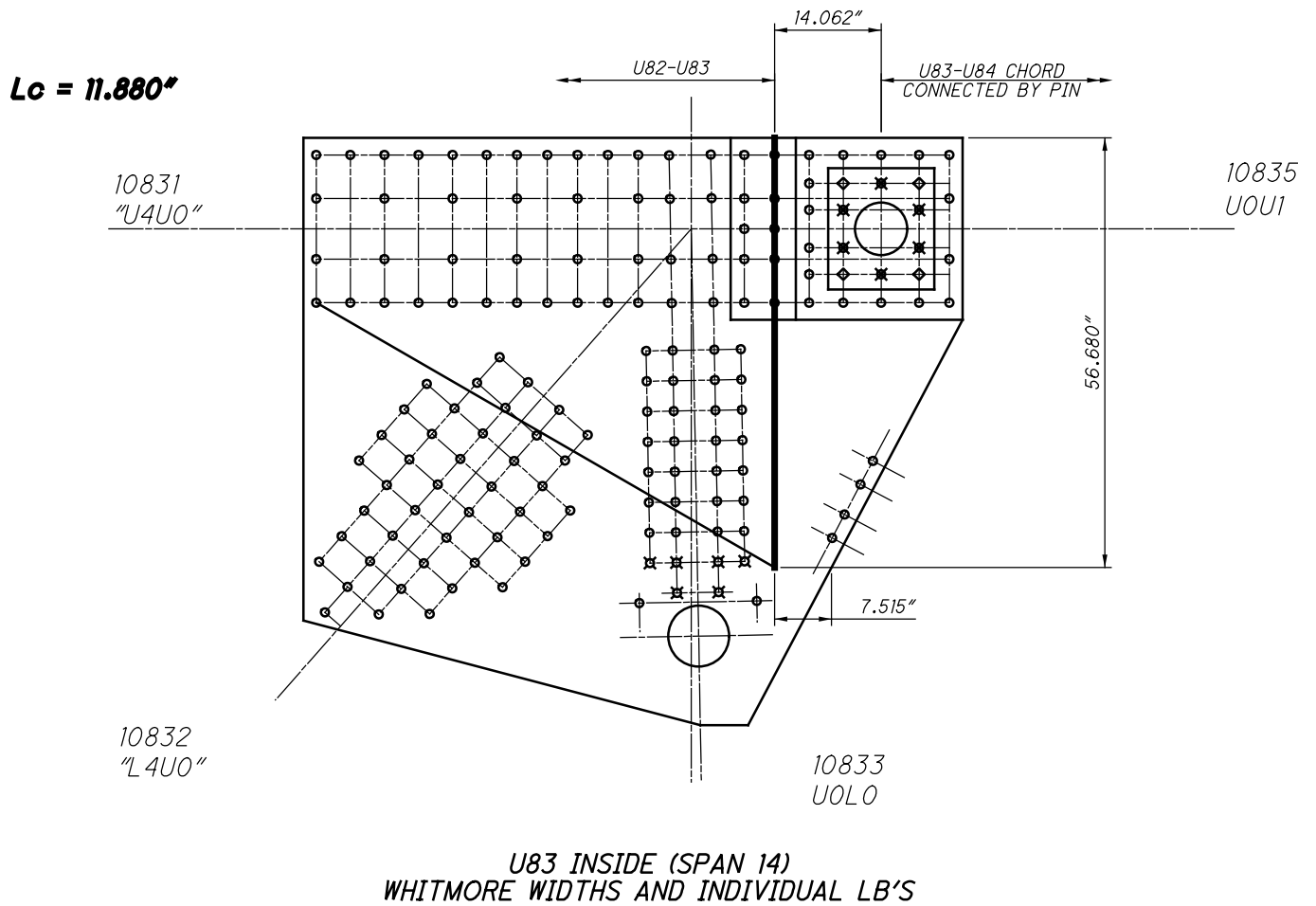
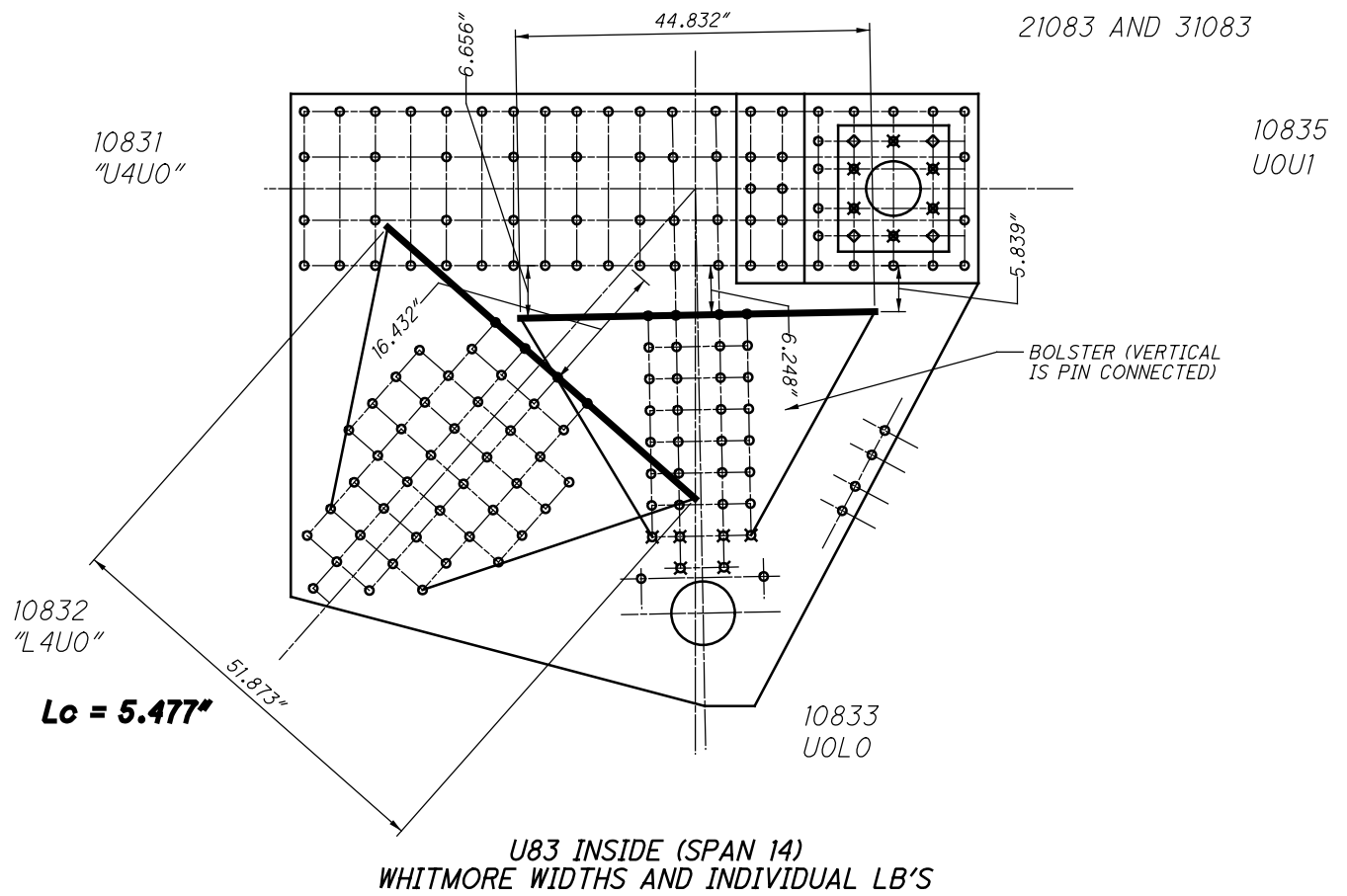


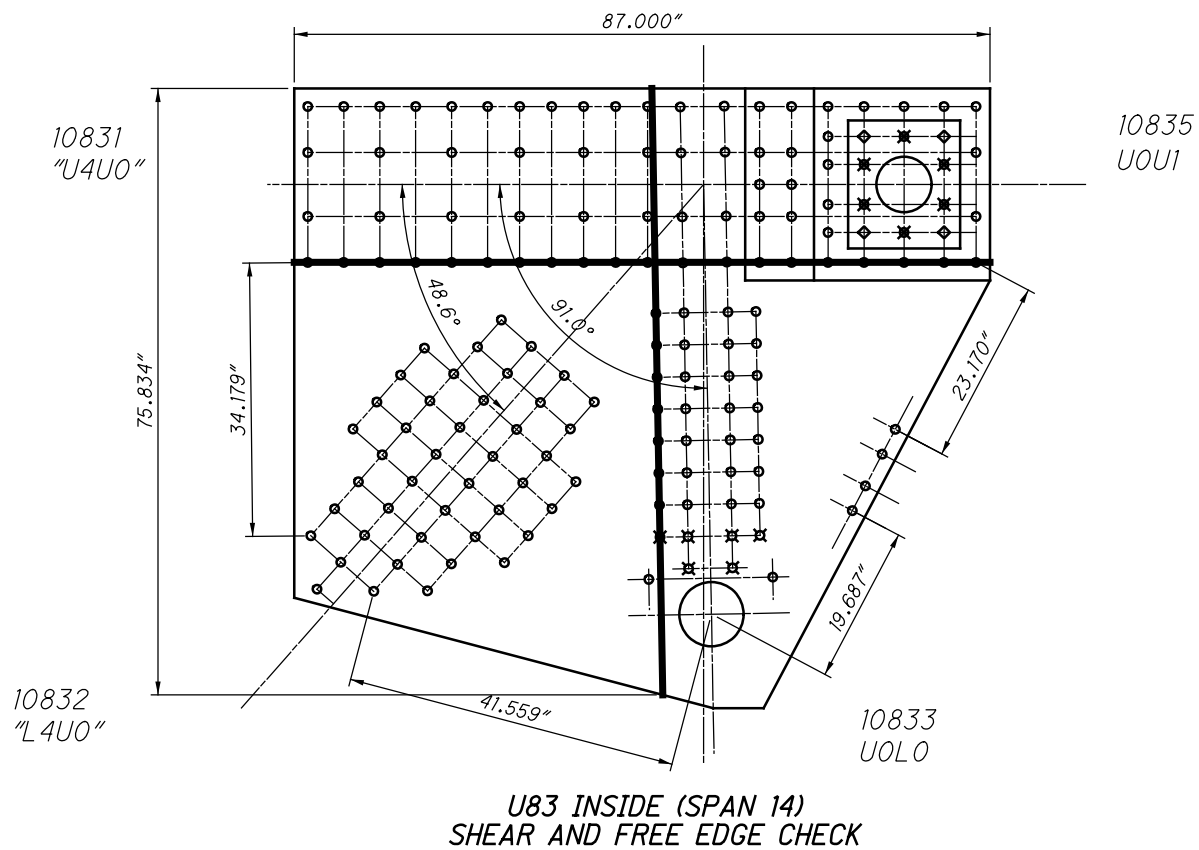
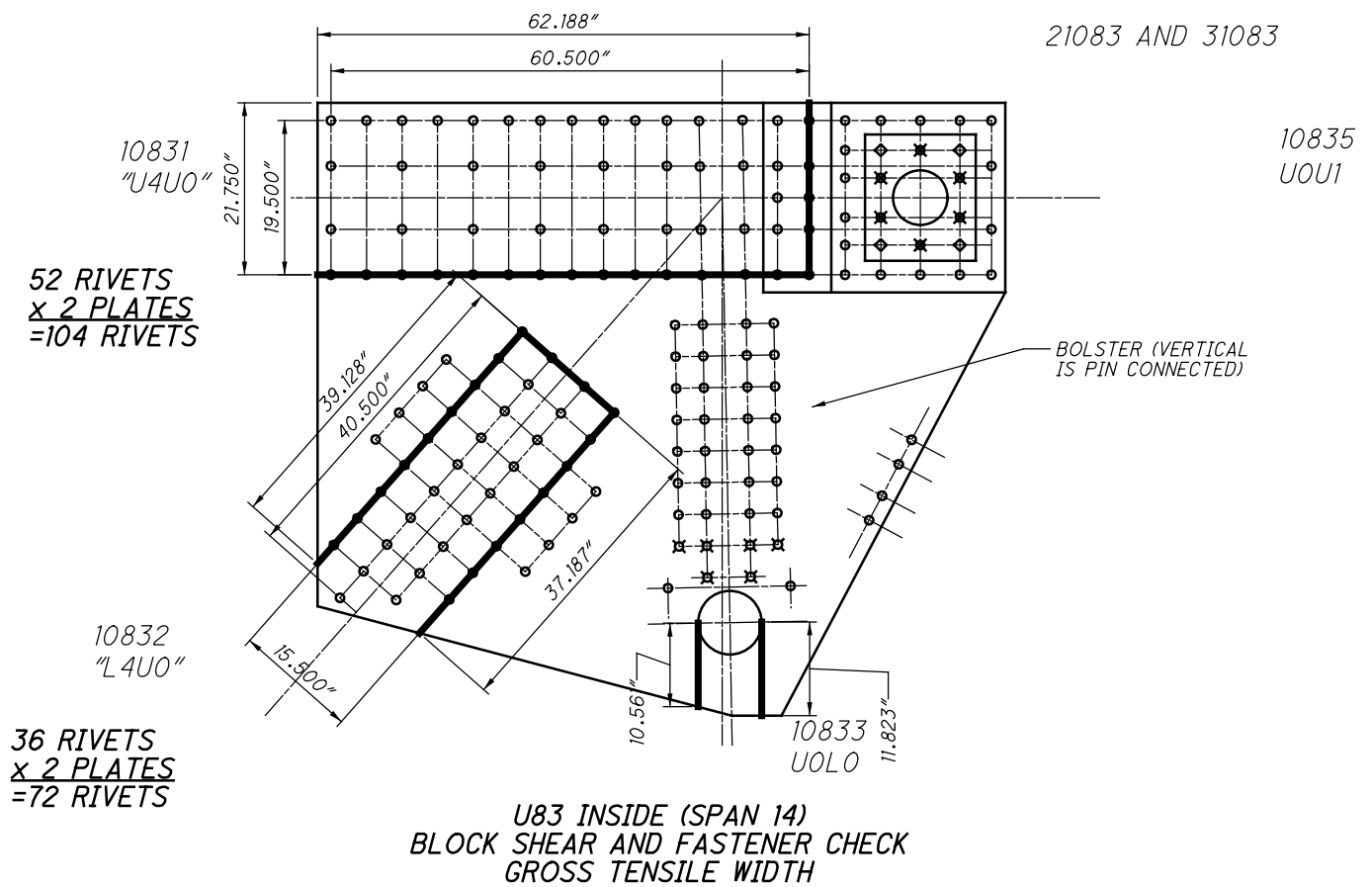
L97 OUTSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

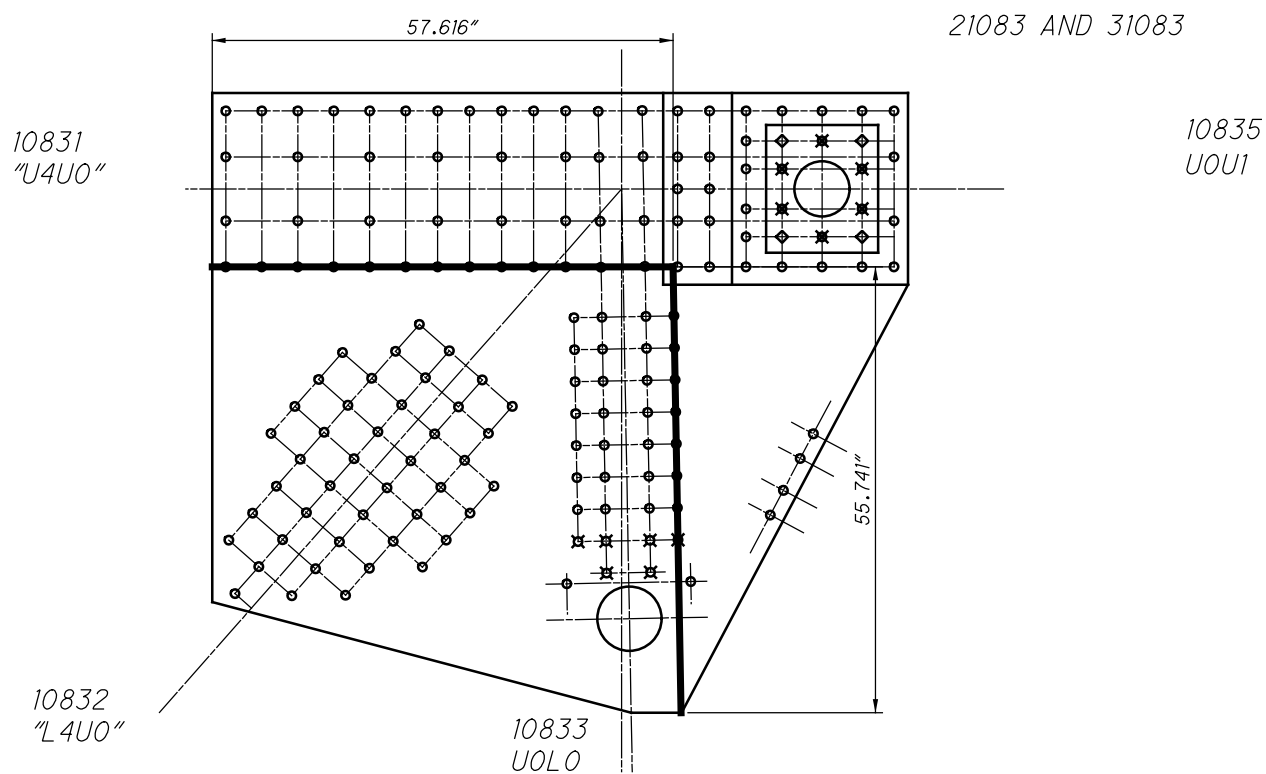


L97 OUTSIDE (SPAN 14)
QUADRANT DIMENSIONS

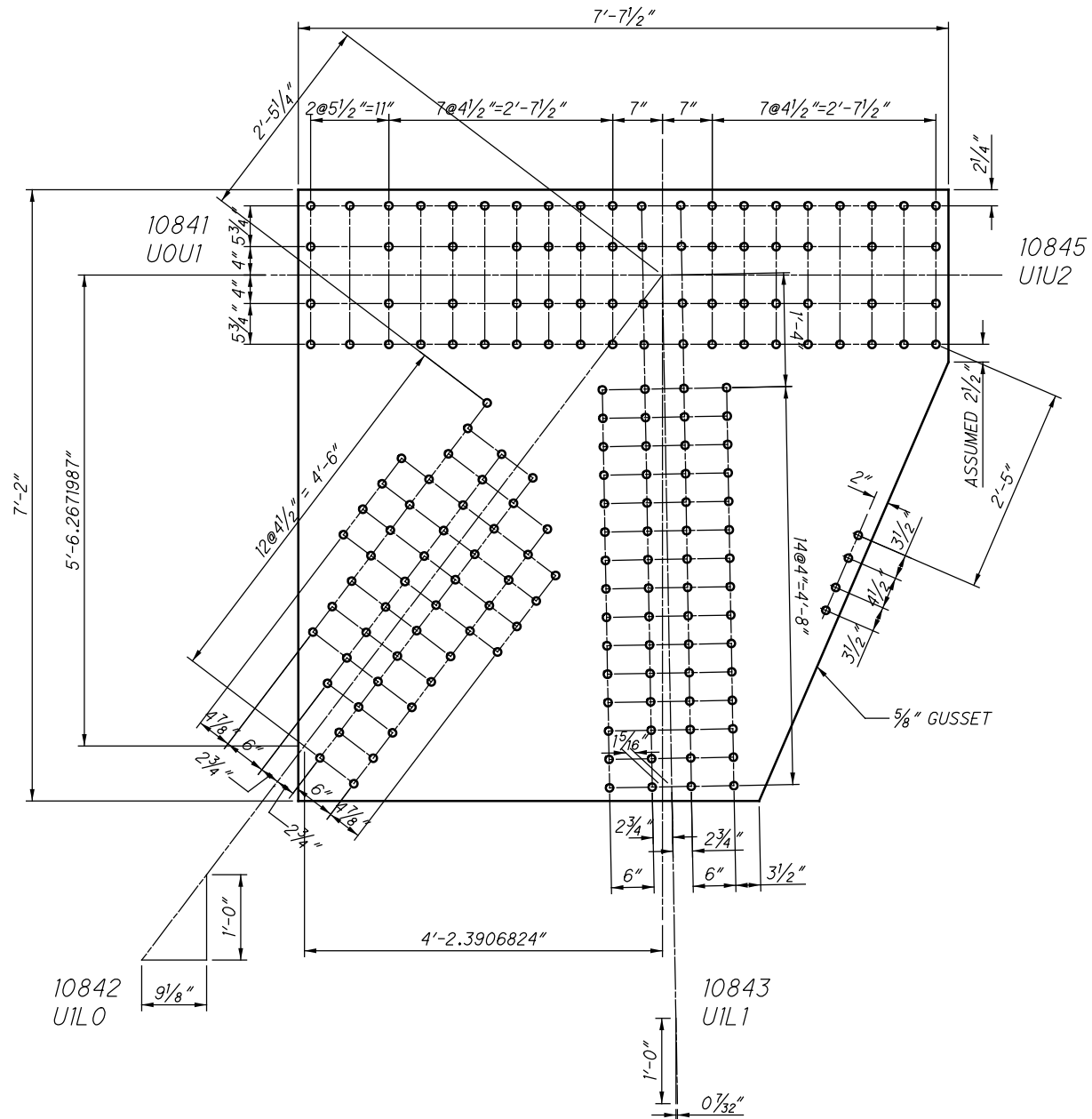




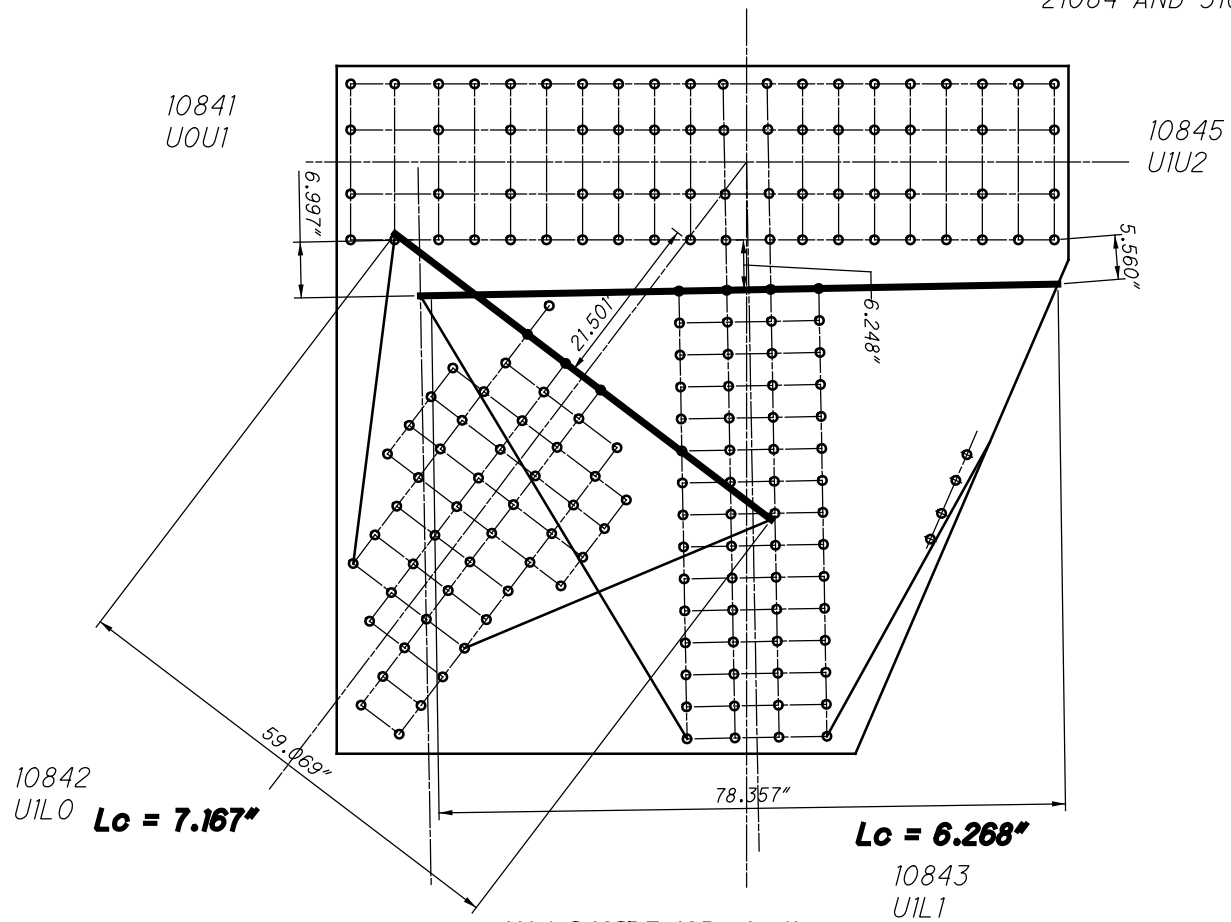




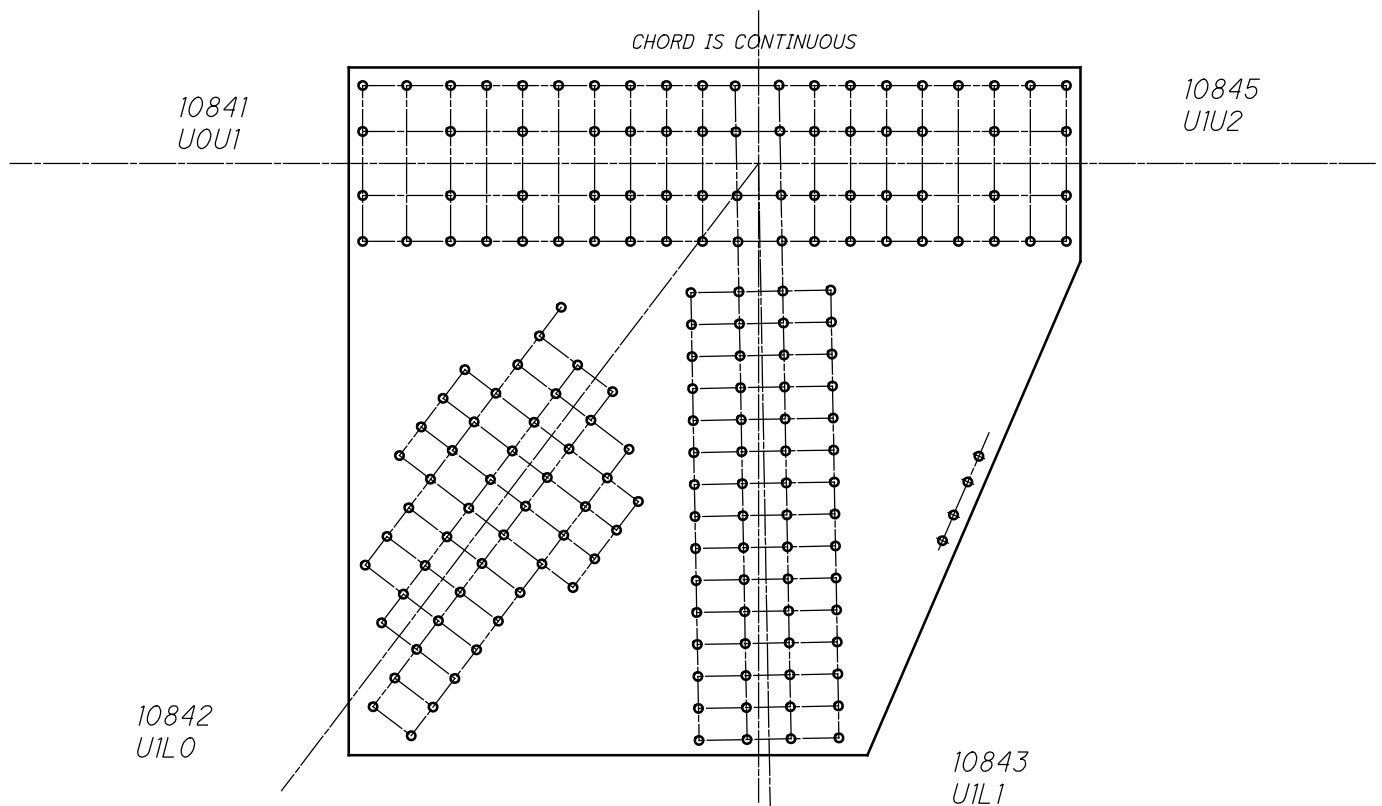
U83 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



U84 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

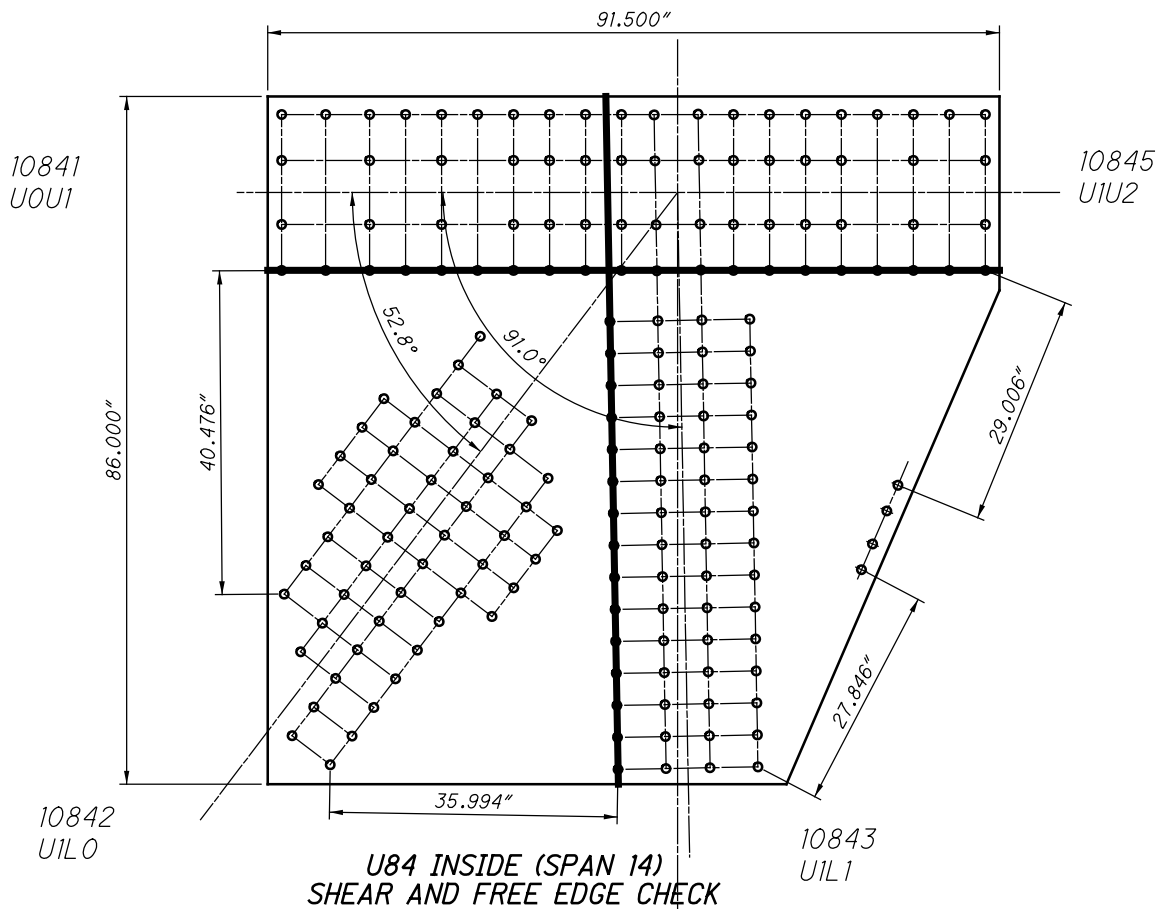
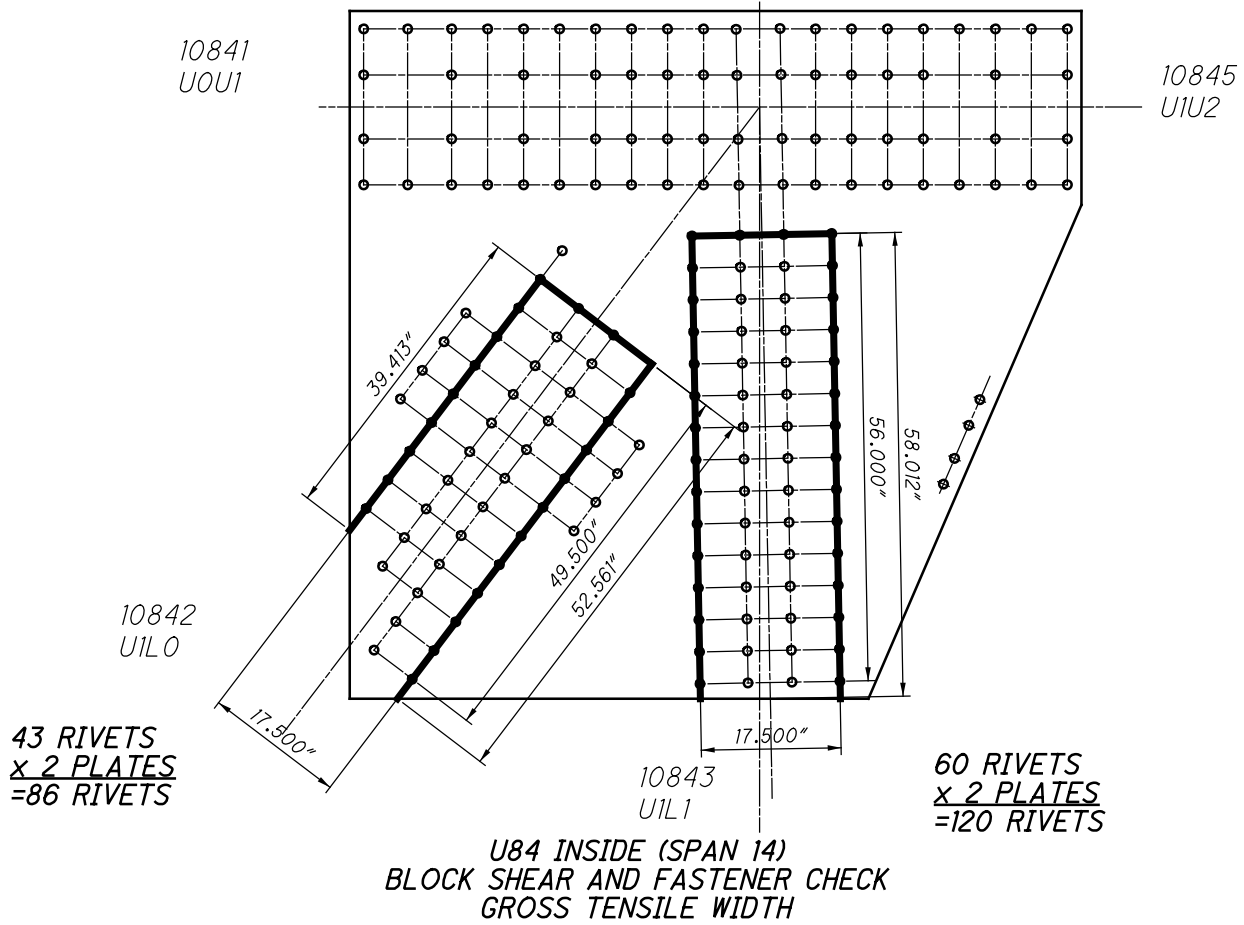


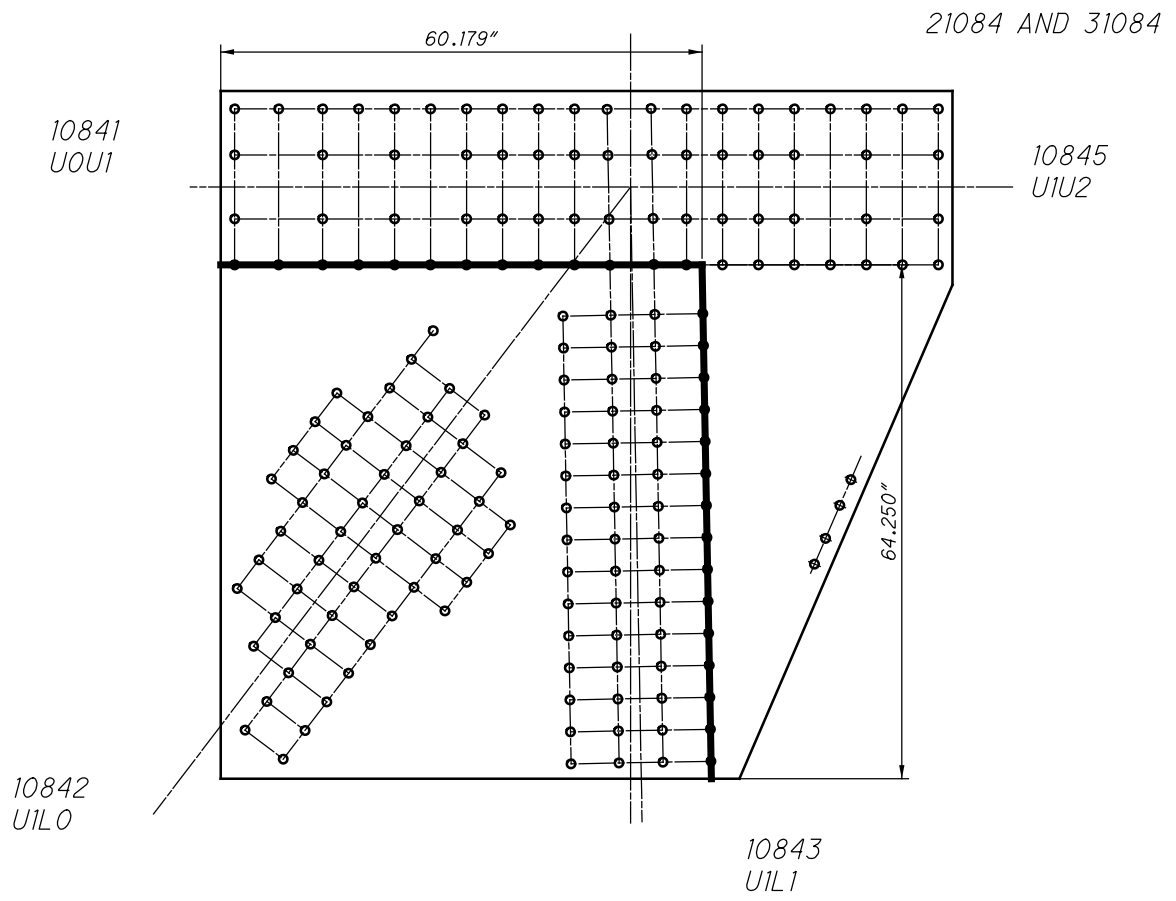
U84 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



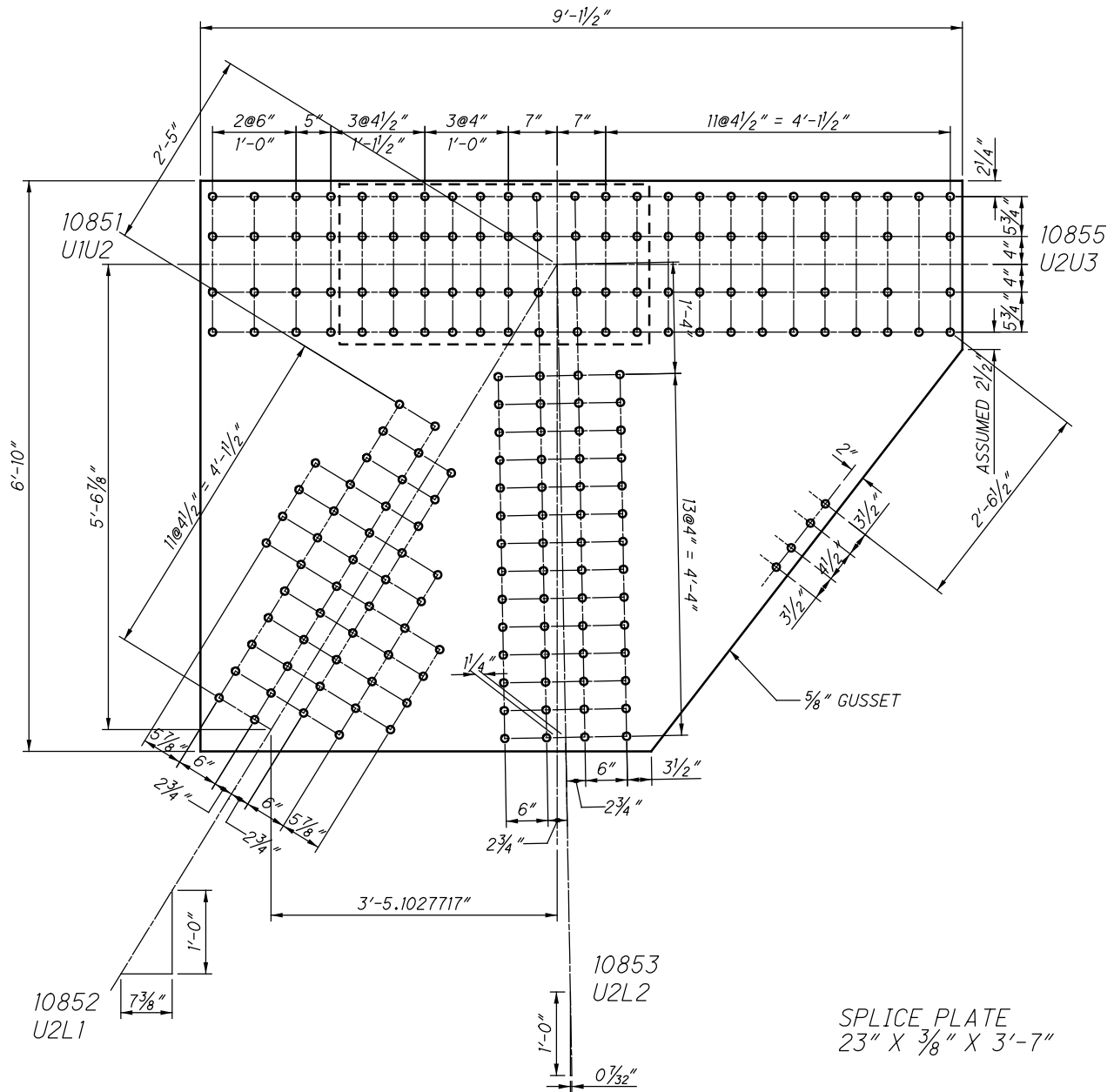
U84 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

CHORD IS CONTINUOUS

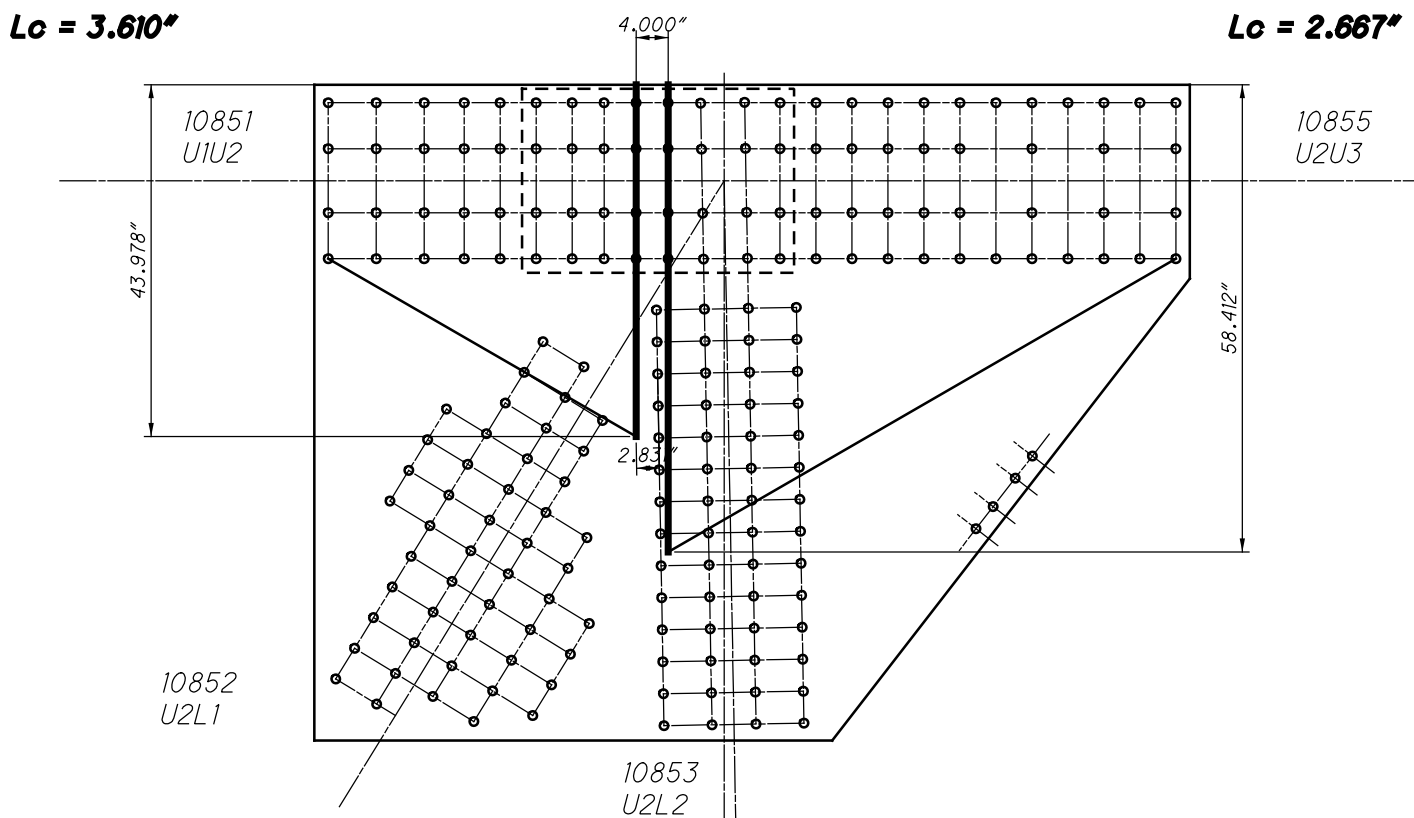
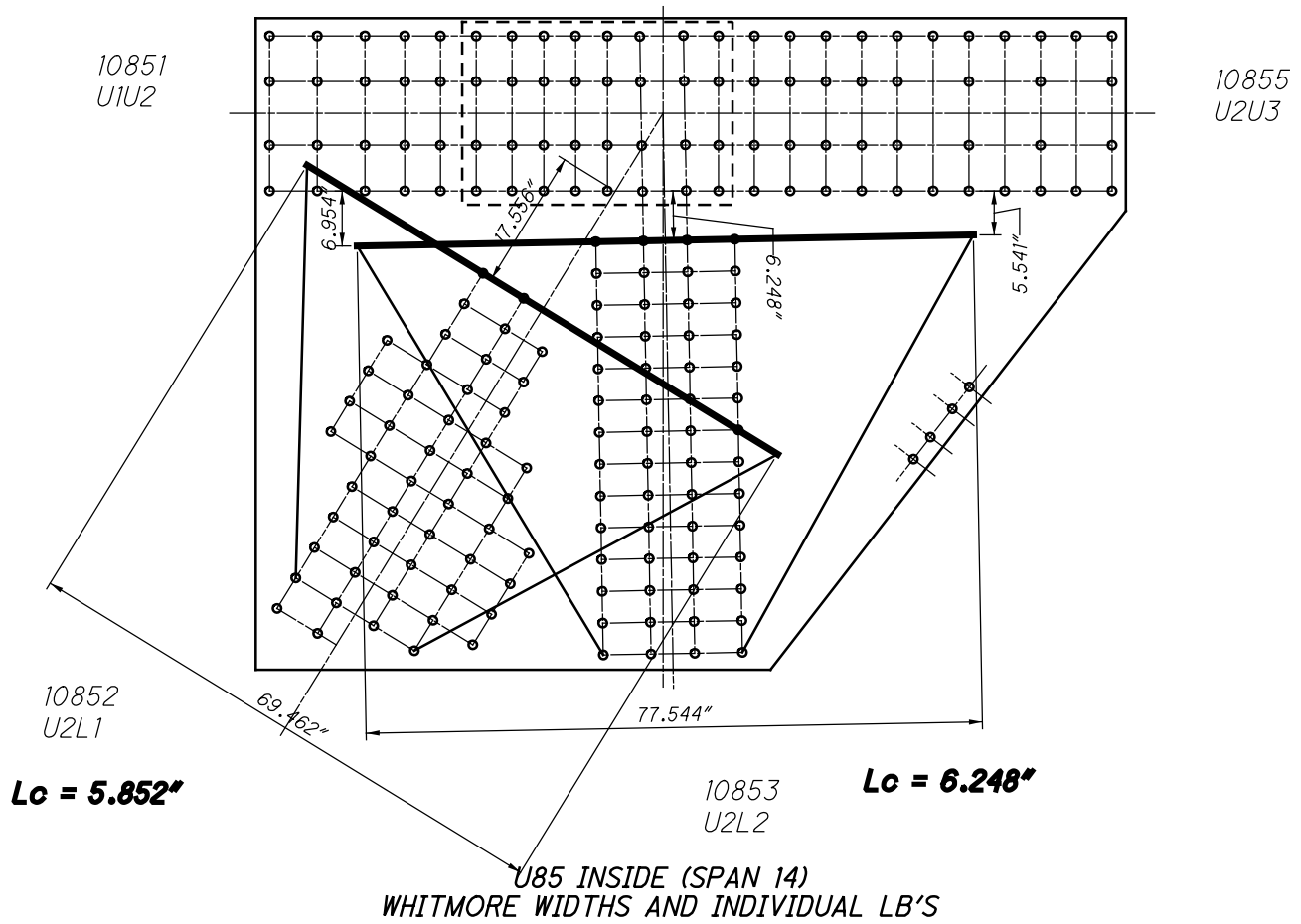


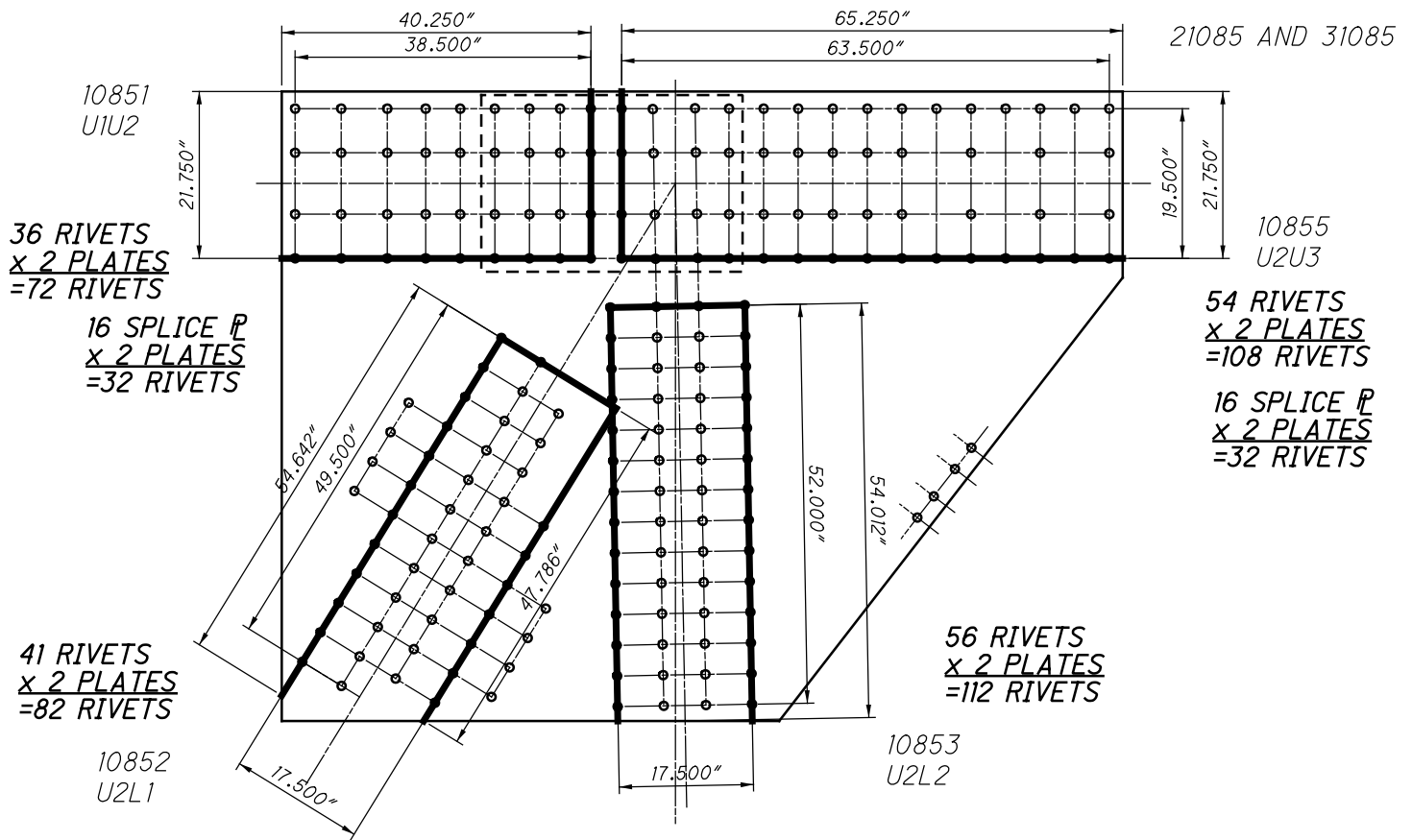


U84 INSIDE (SPAN 14)
QUADRANT DIMENSIONS

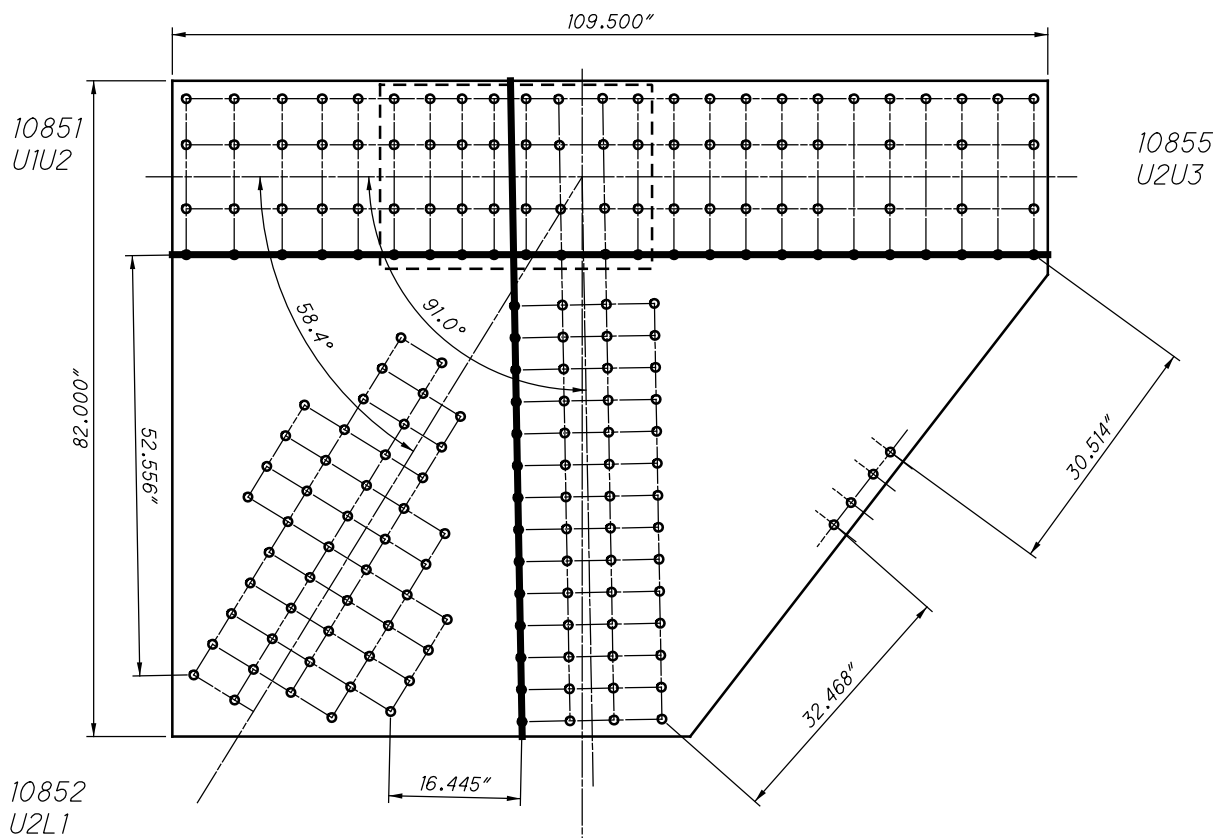


U85 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

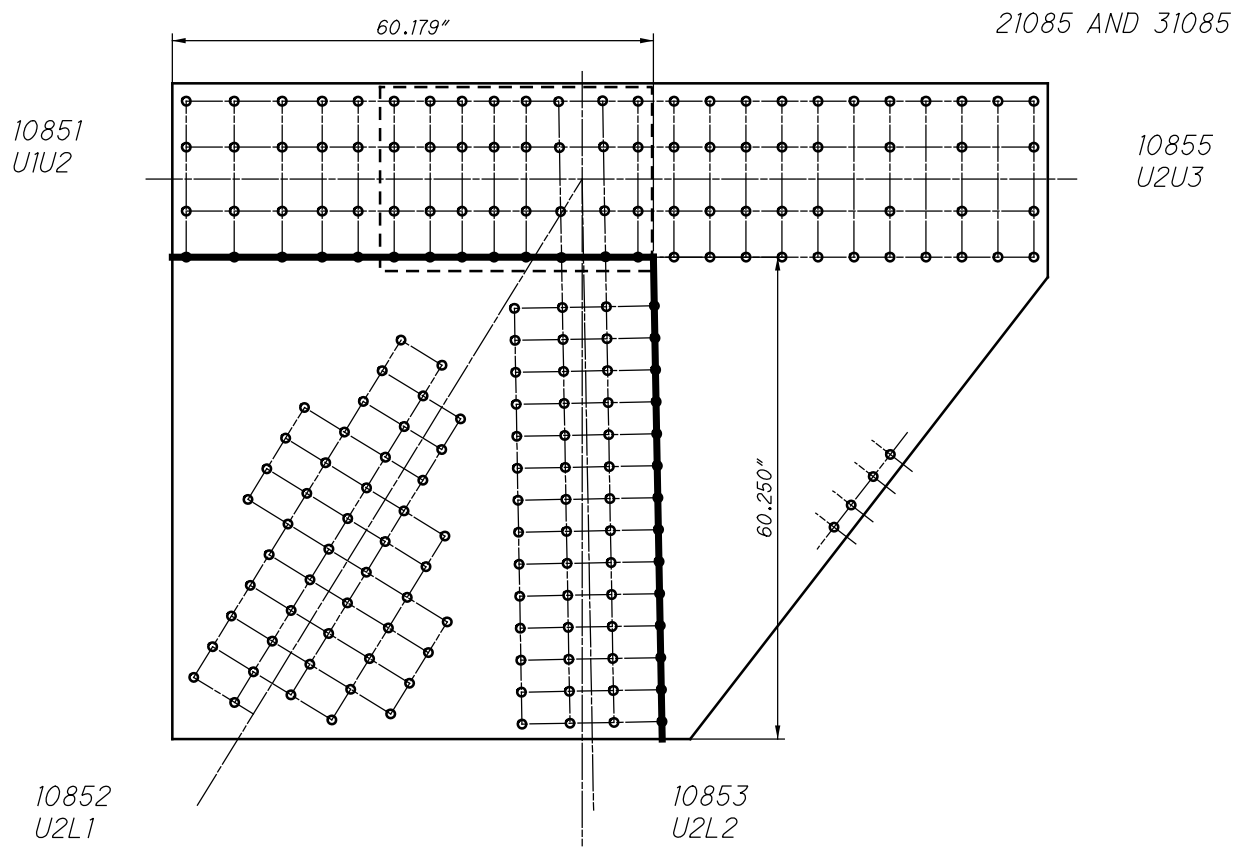




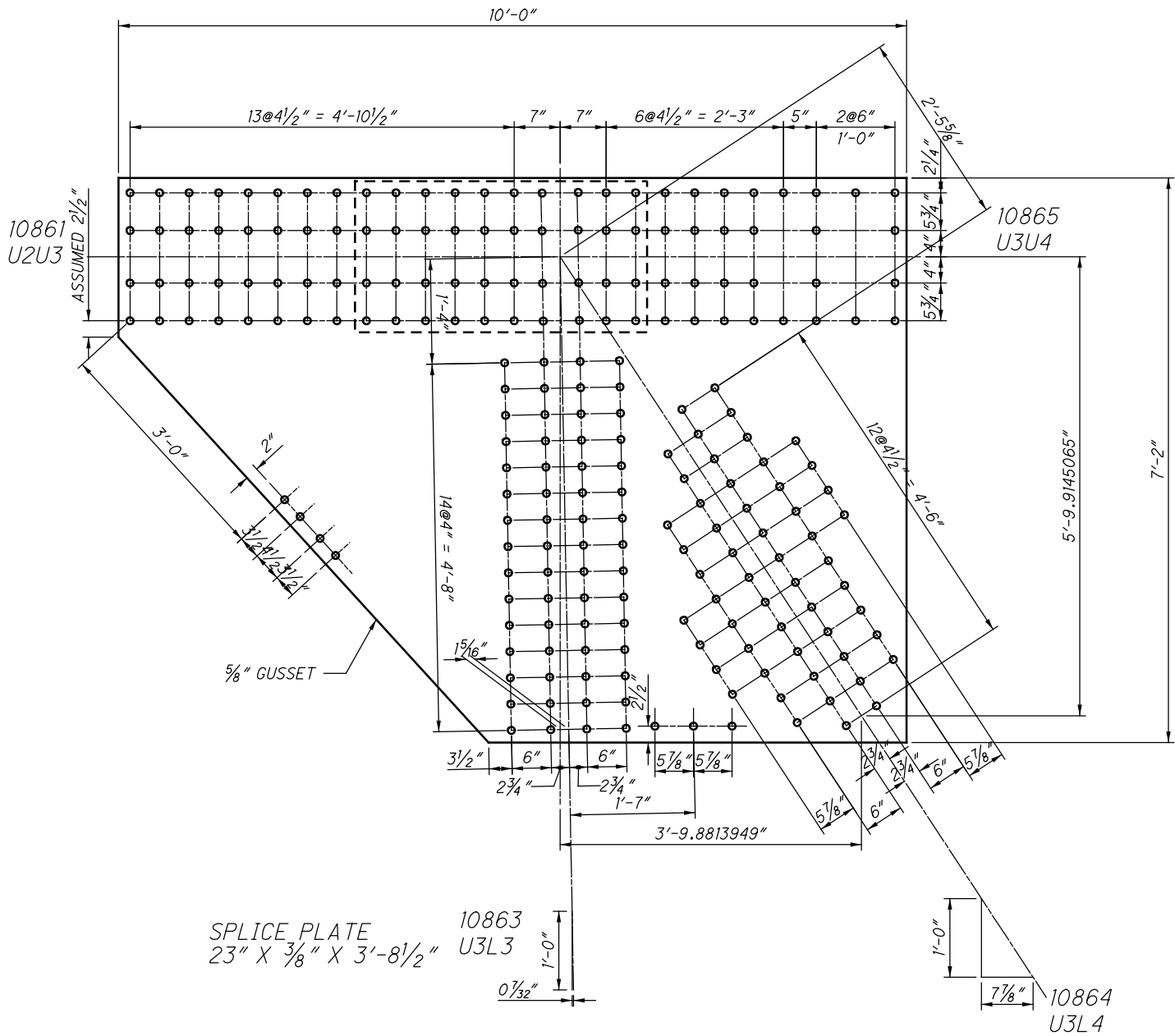
U85 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

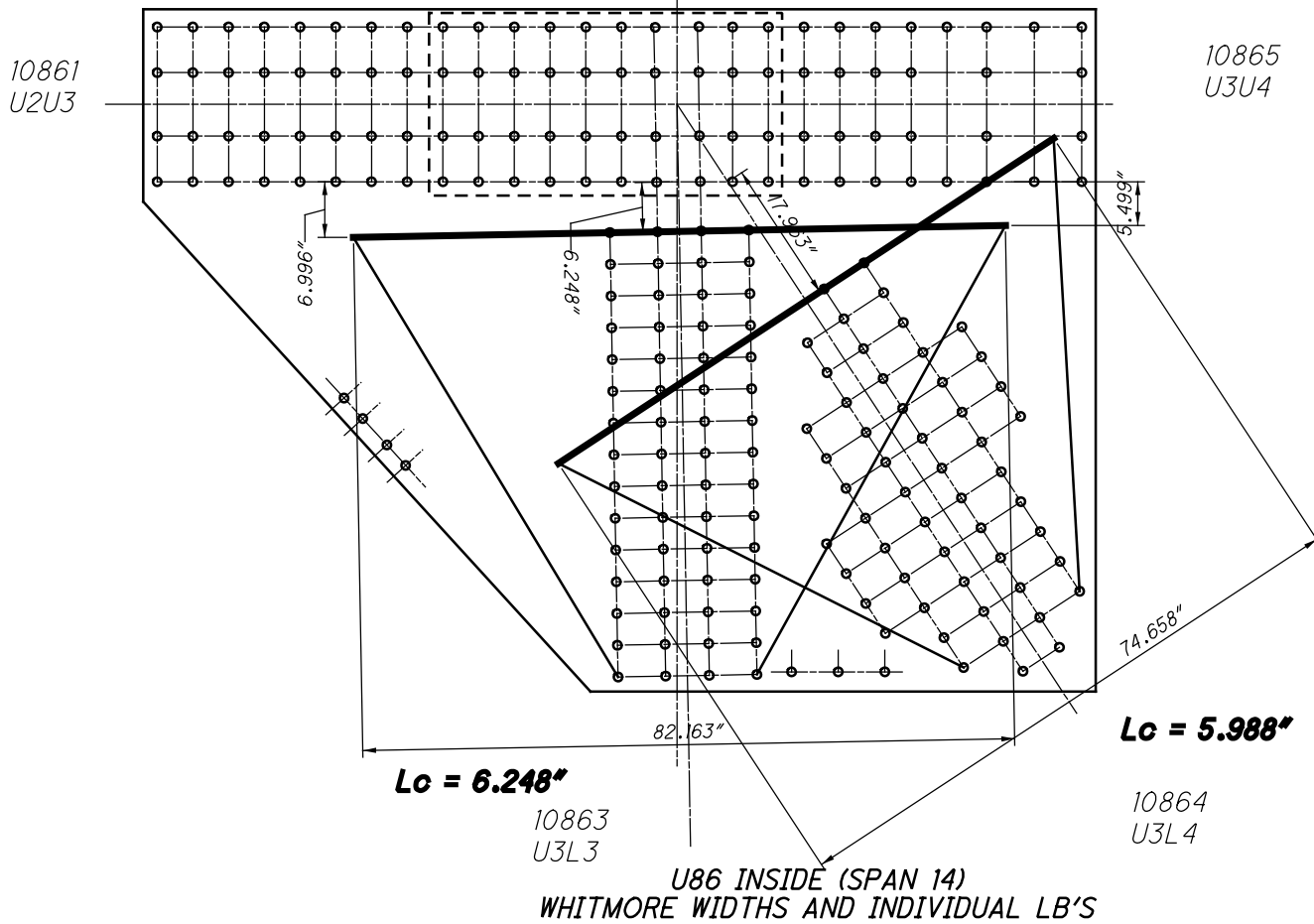


U85 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

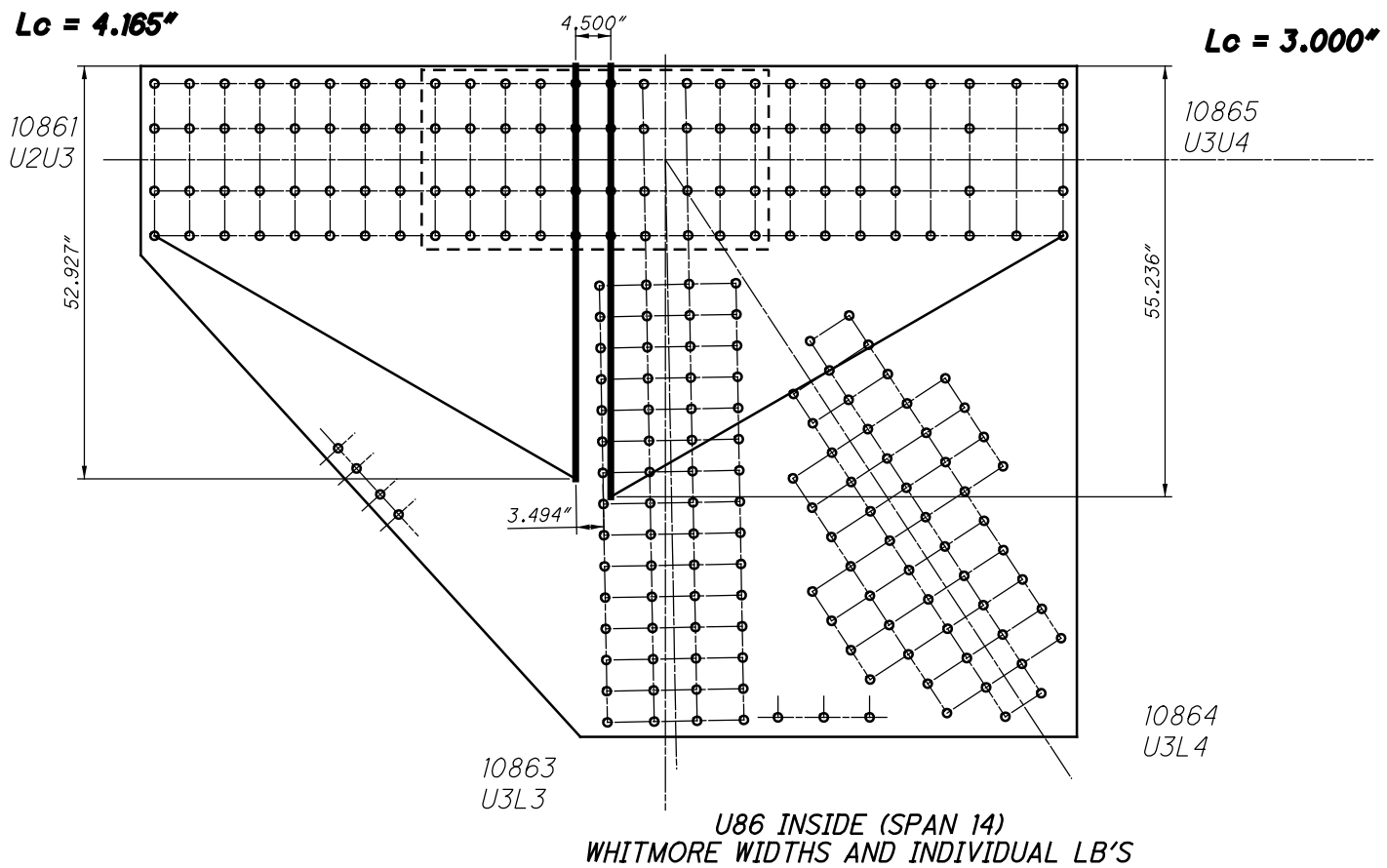


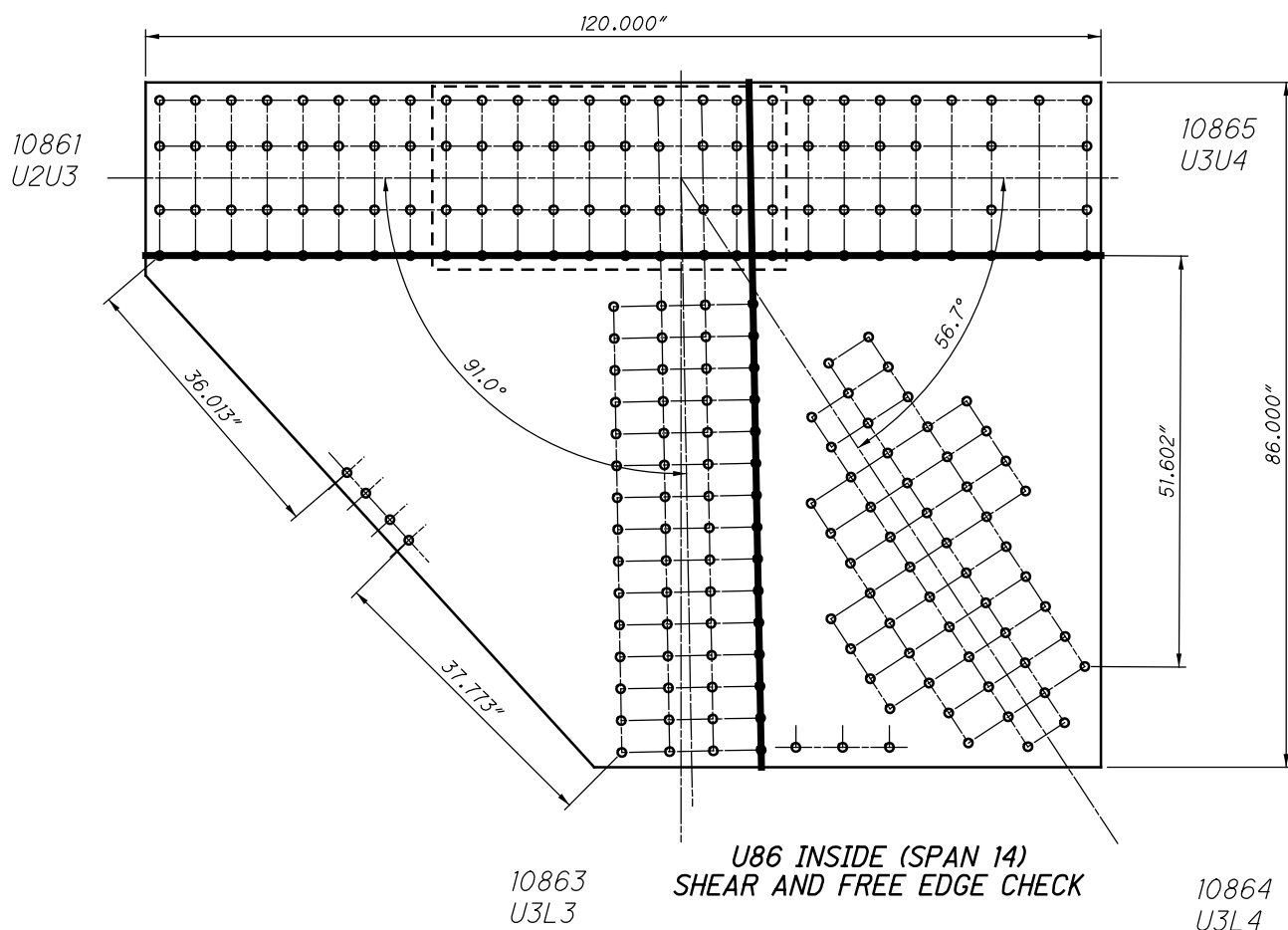
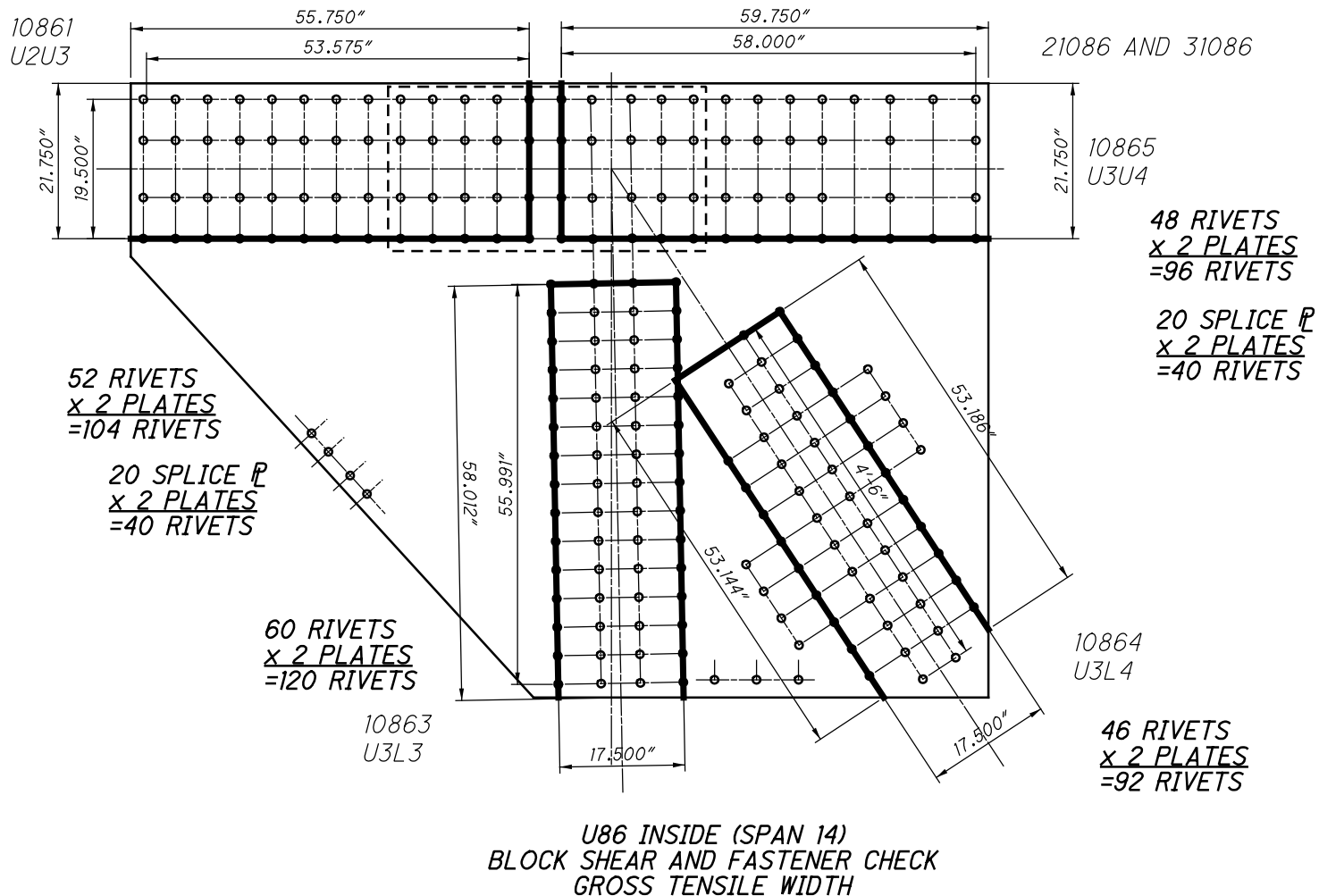
U85 INSIDE (SPAN 14)
QUADRANT DIMENSIONS

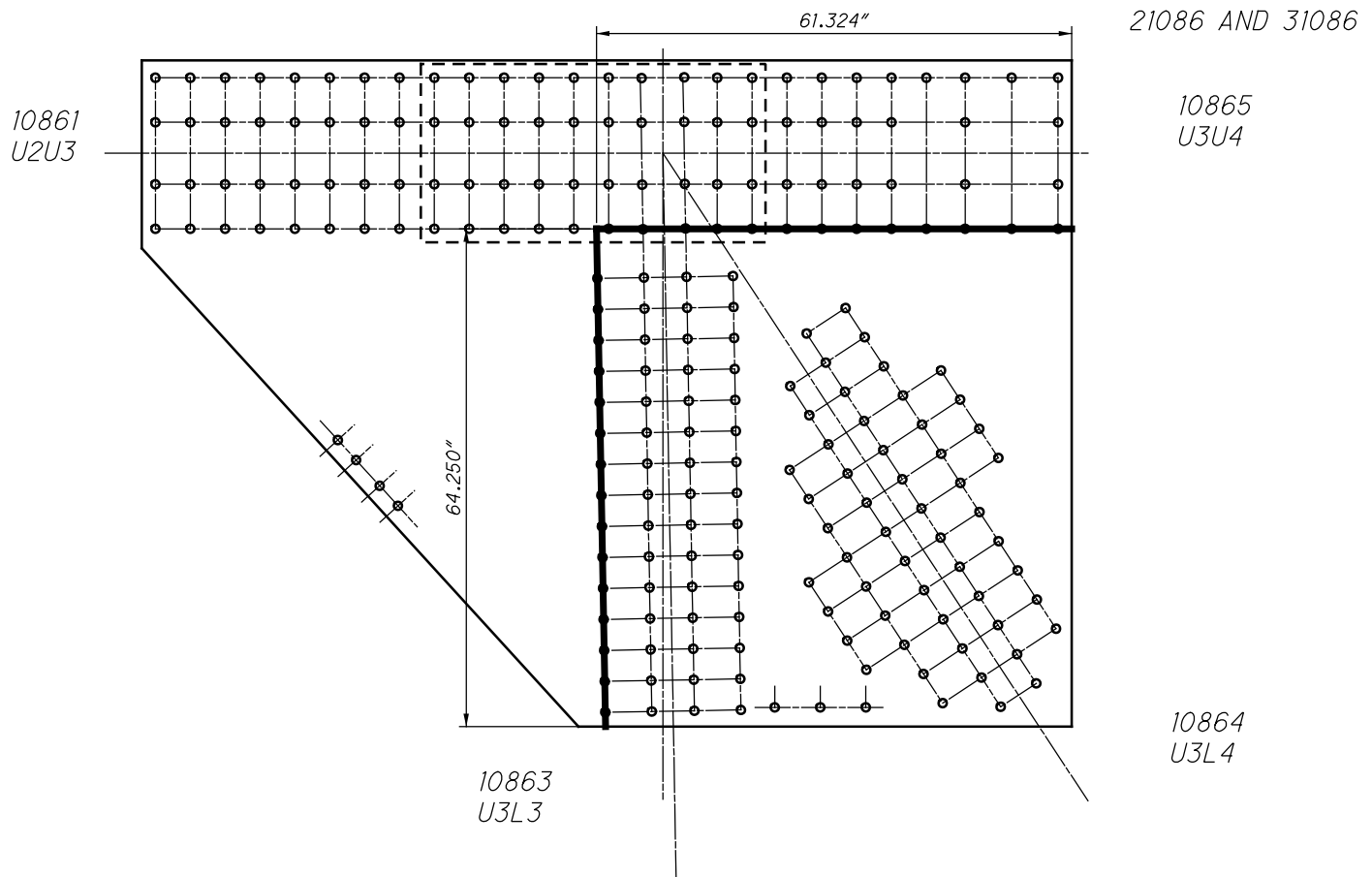


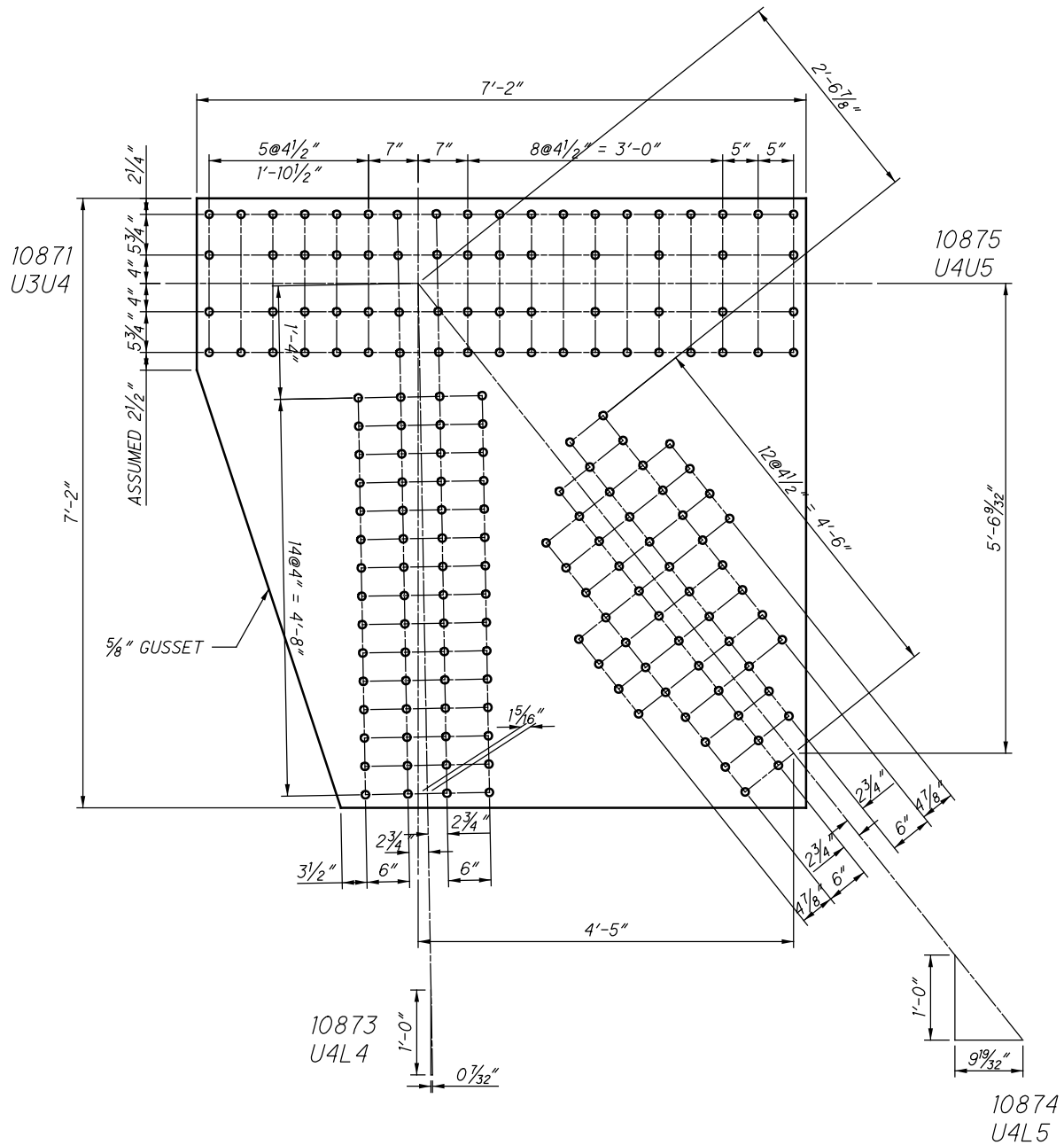


$L_c = 4.165"$





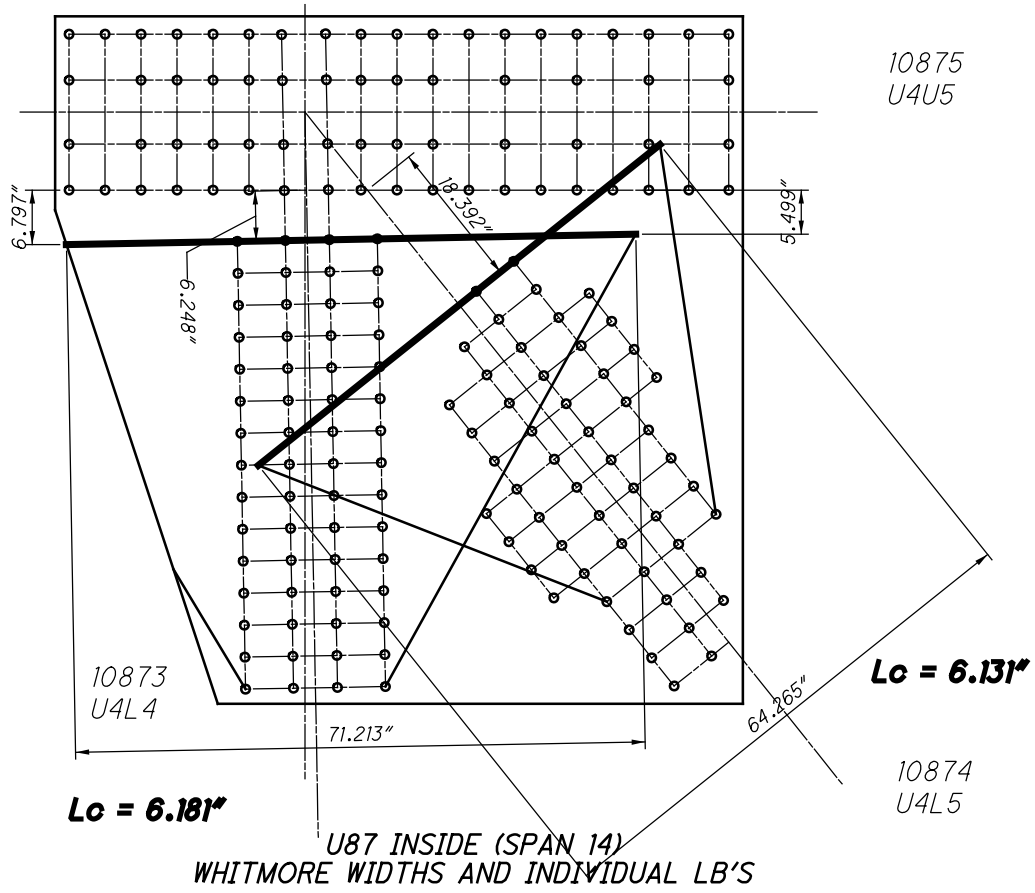




U87 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

10871
U3U4

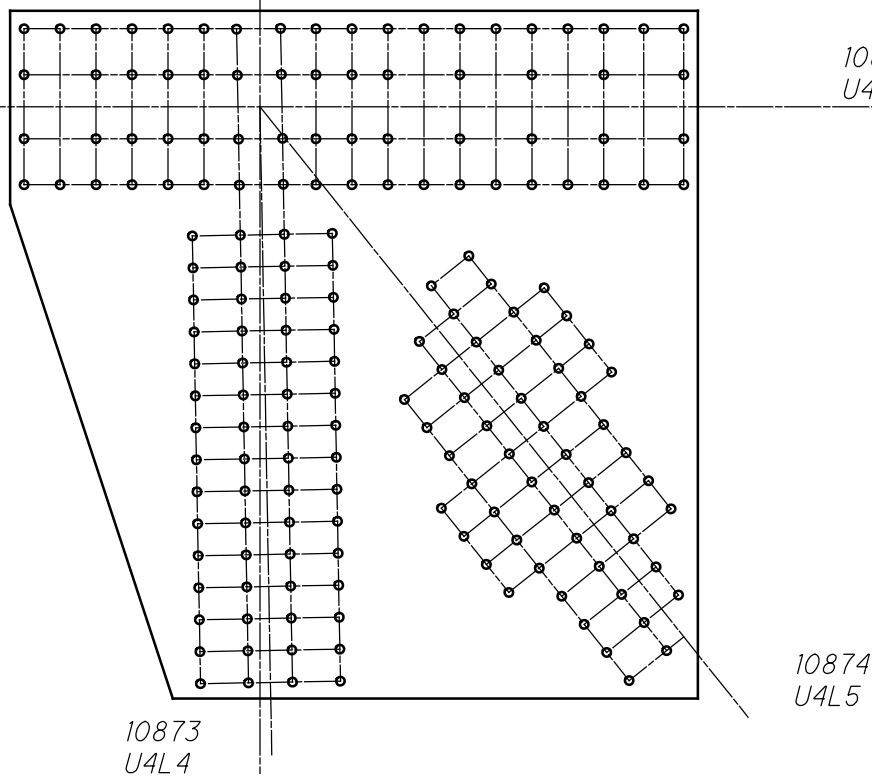
10875
U4U5



CHORD IS CONTINUOUS

10871
U3U4

10875
U4U5



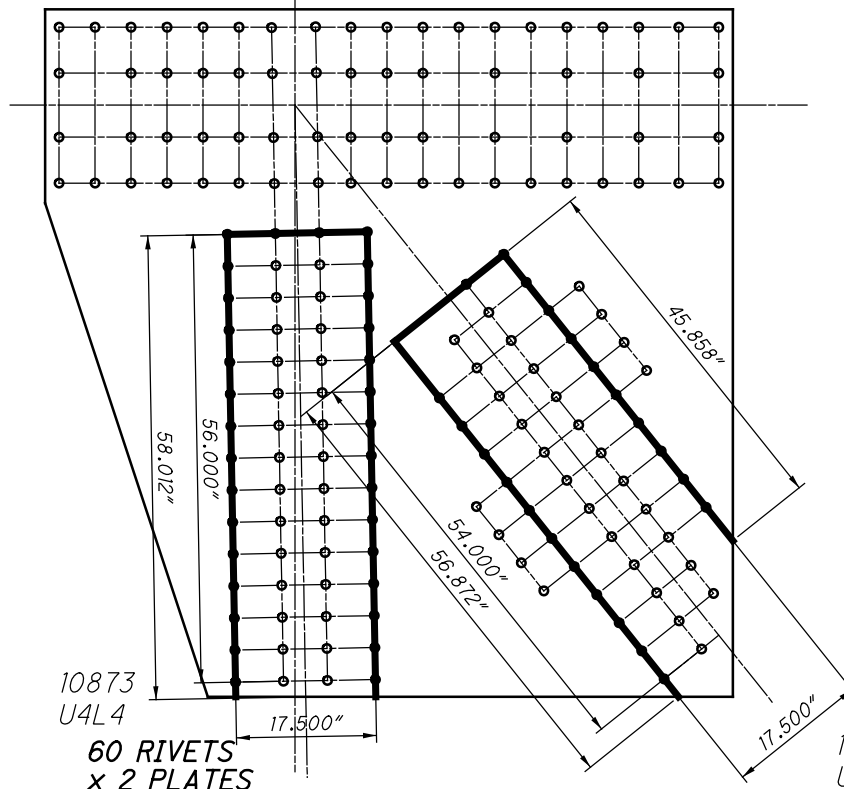
U87 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

CHORD IS CONTINUOUS

21087 AND 31087

10871
U3U4

10875
U4U5



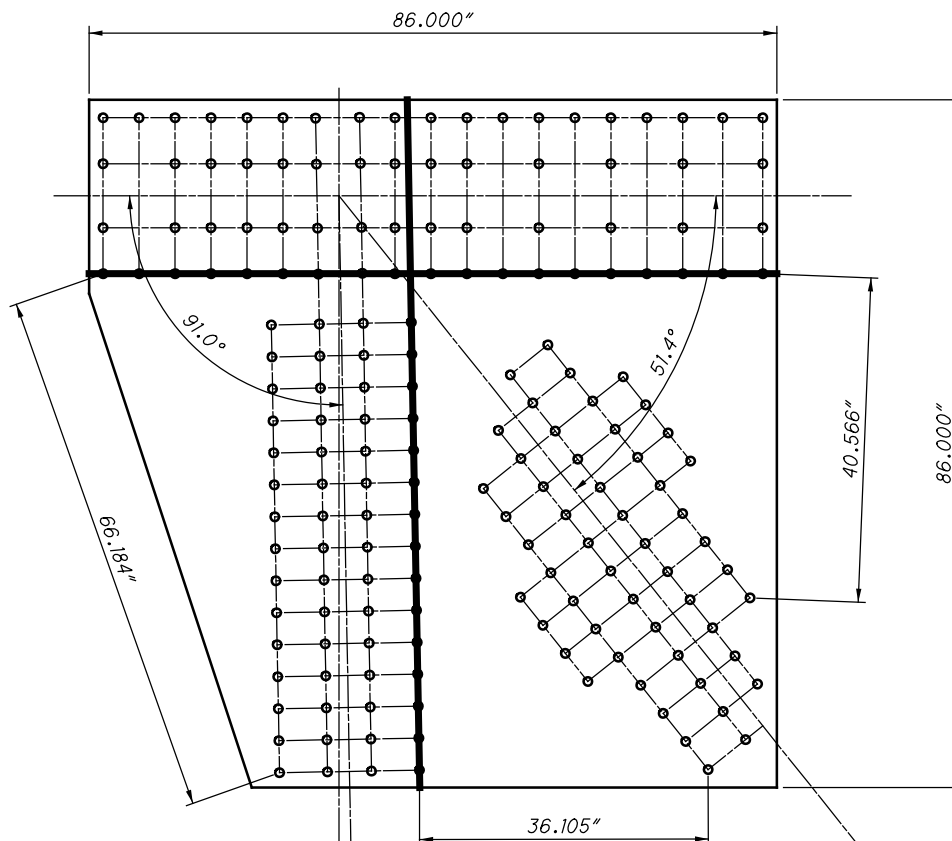
60 RIVETS
x 2 PLATES
=120 RIVETS

45 RIVETS
x 2 PLATES
=90 RIVETS

U87 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

10871
U3U4

10875
U4U5

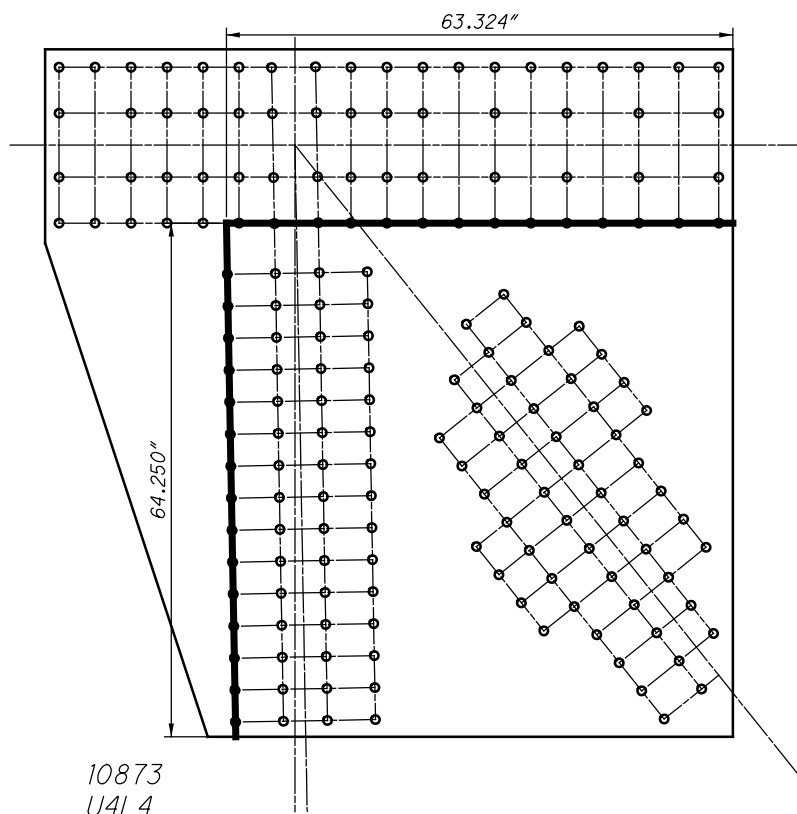


10873
U4L4

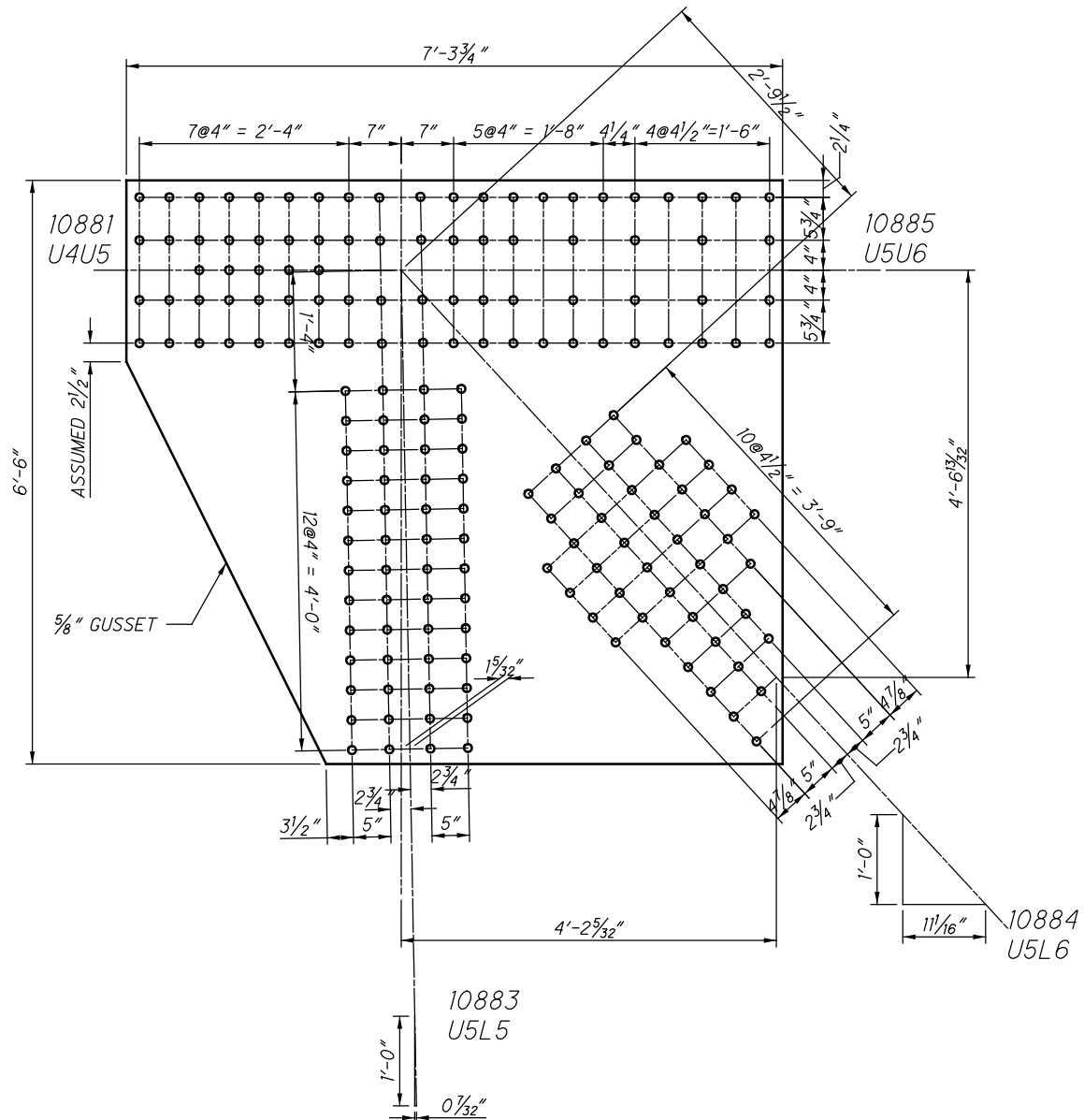
10874
U4L5

U87 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

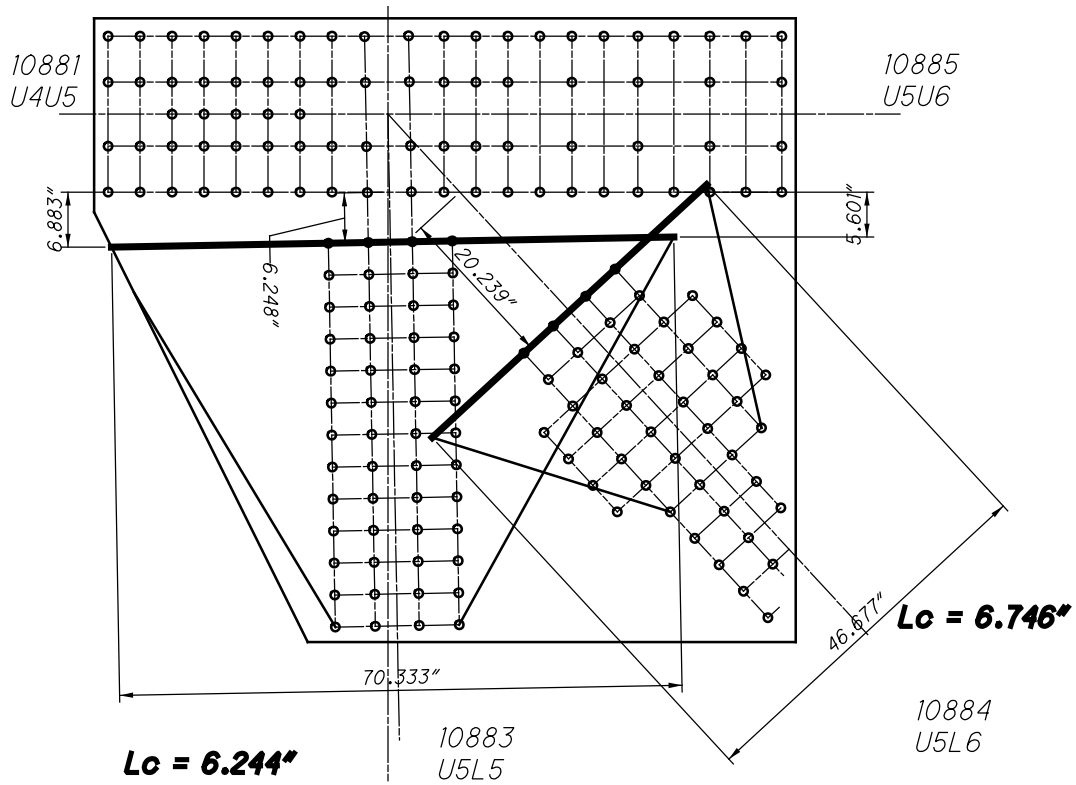
10871
U3U4



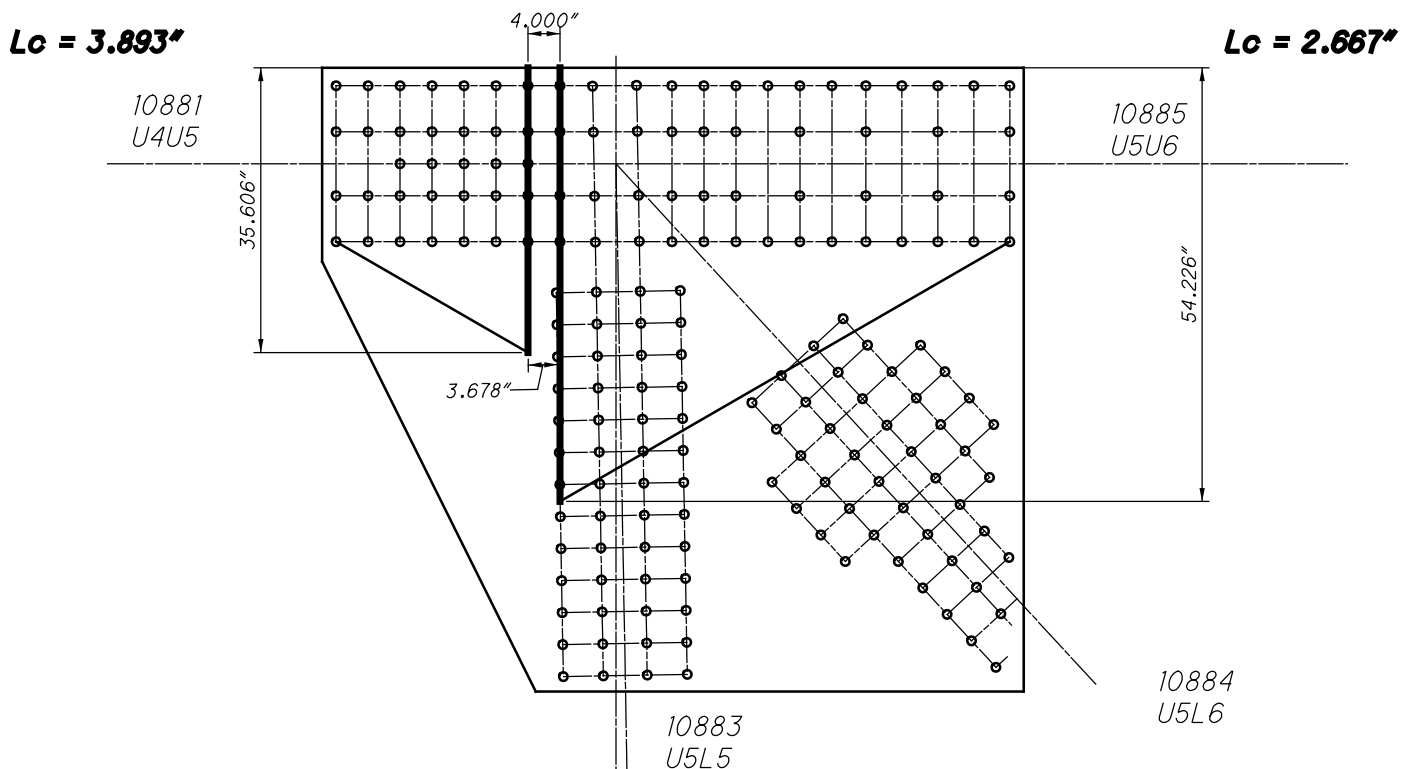
U87 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



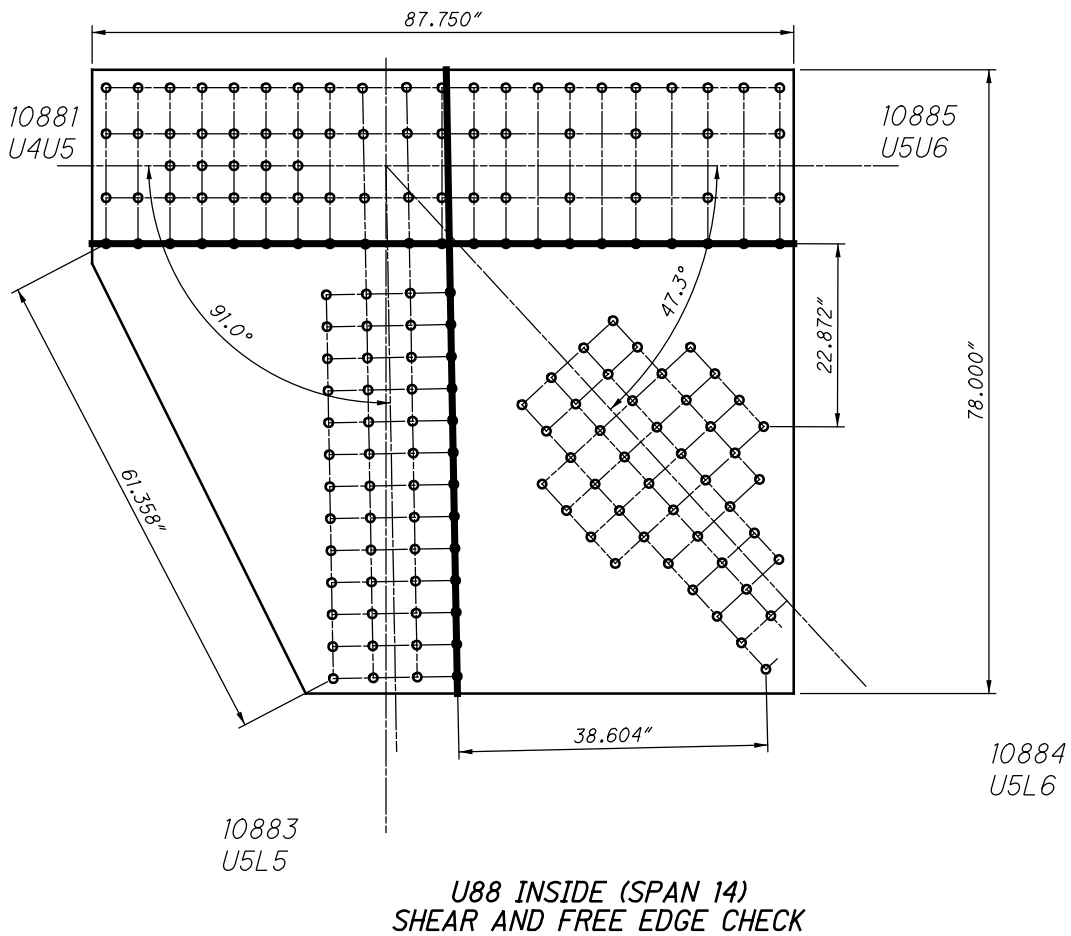
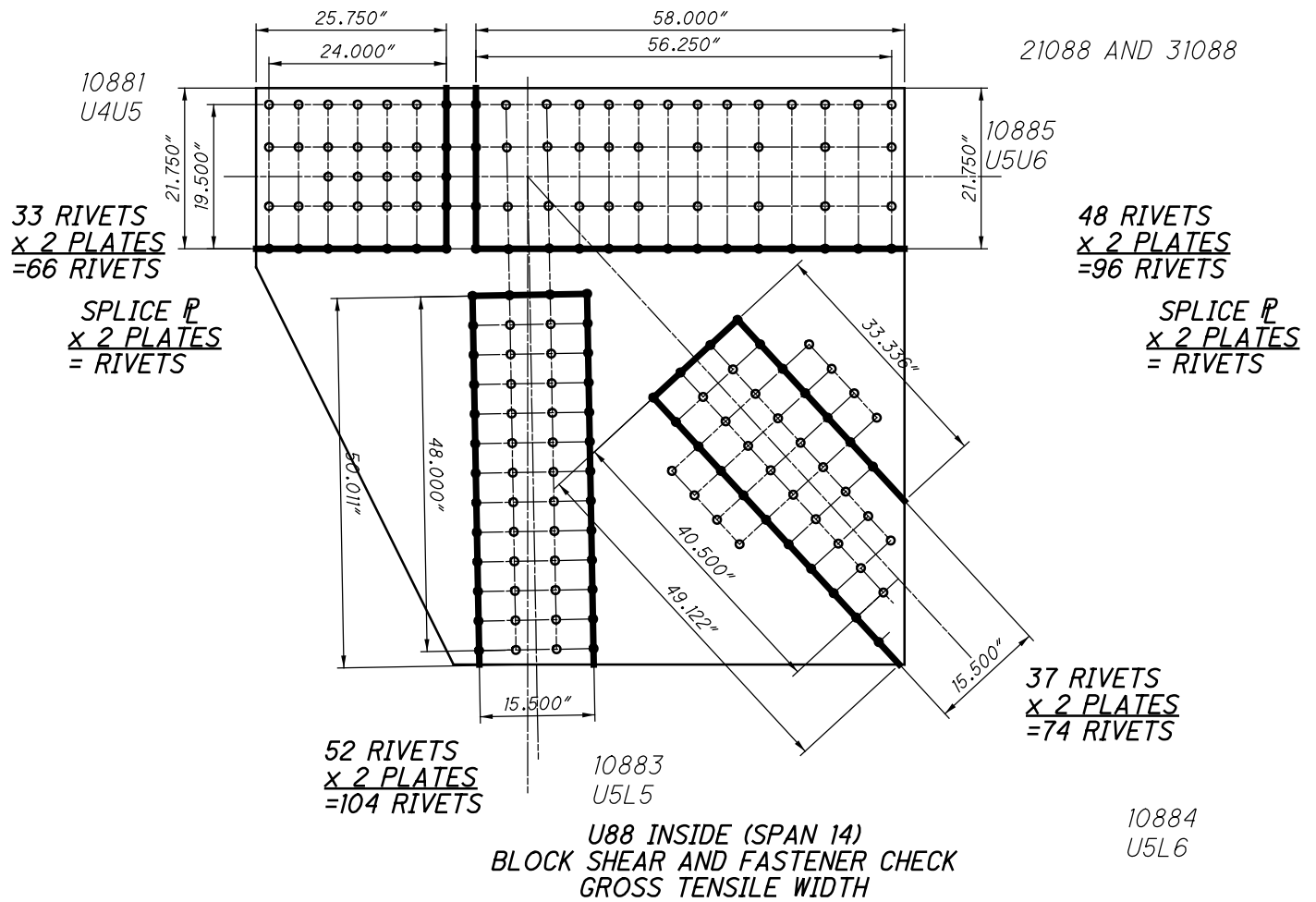
U88 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

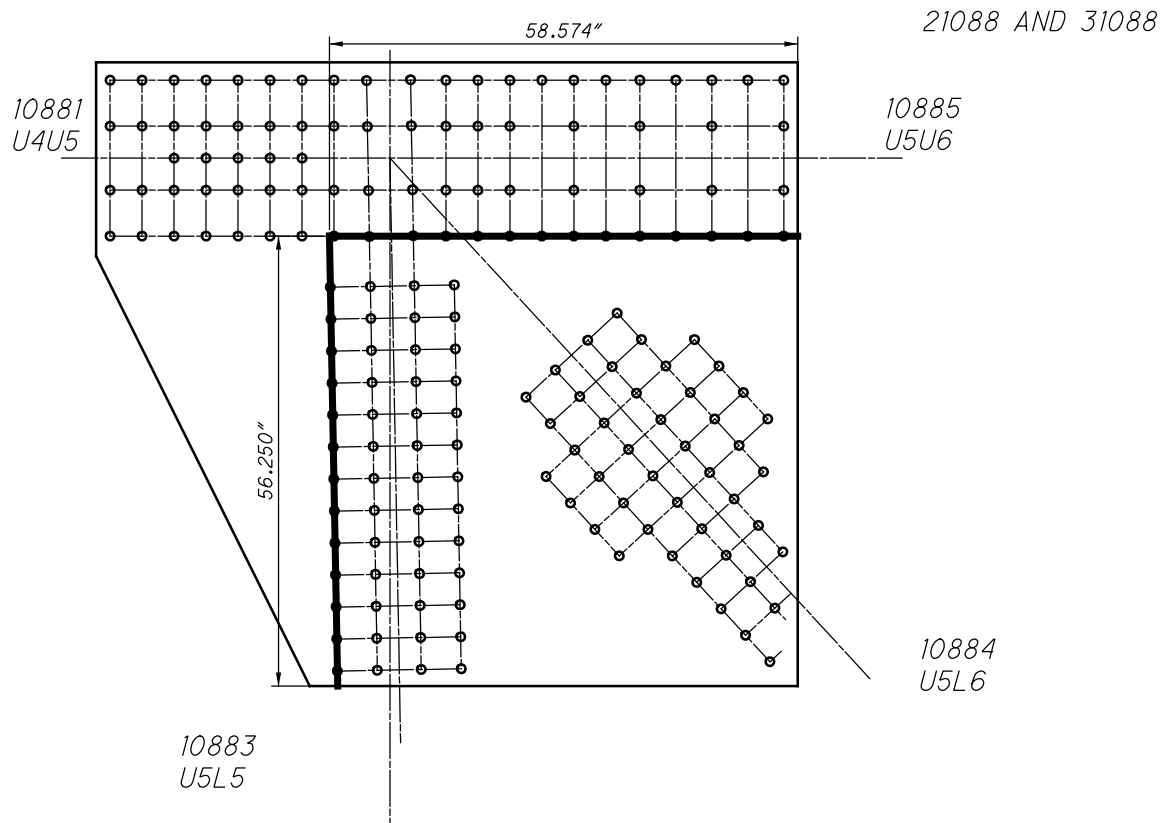


U88 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

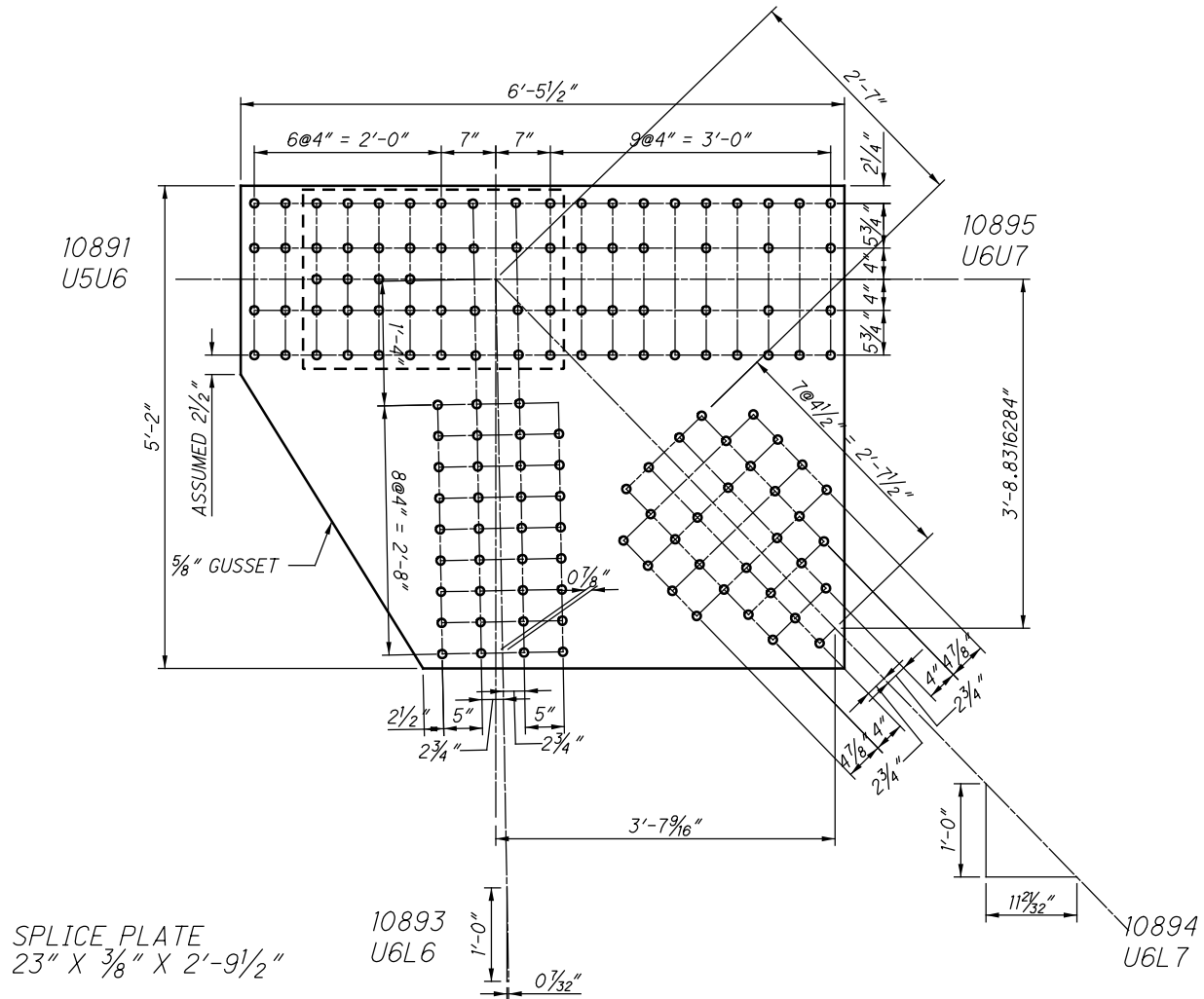


U88 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



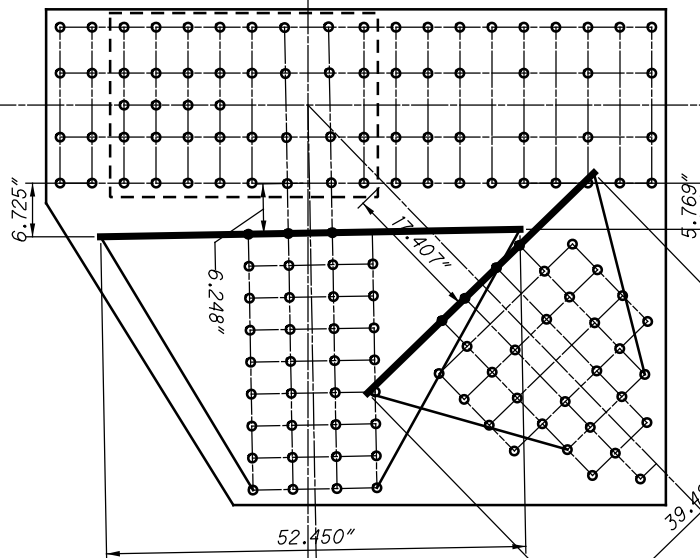


U88 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



10891
U5U6

10895
U6U7



$L_c = 6.248"$

10893
U6L6

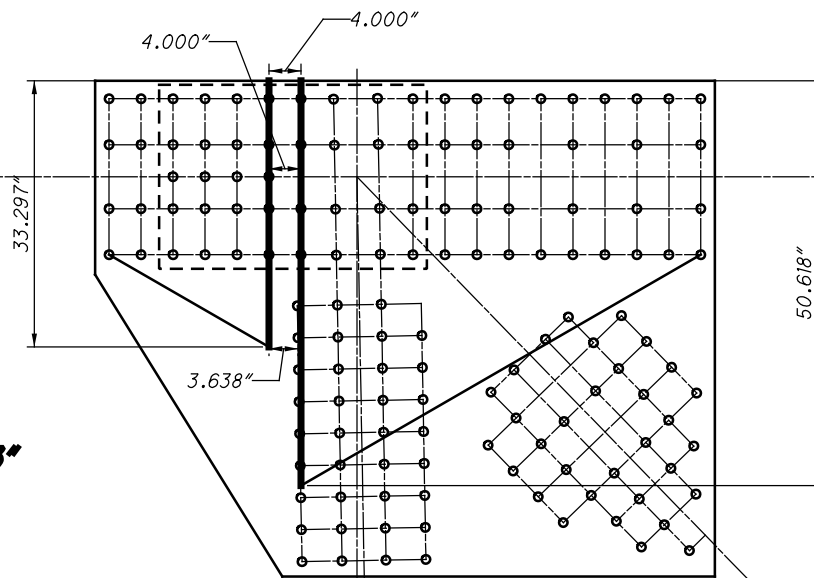
$L_c = 5.802"$

10894
U6L7

U89 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

10891
U5U6

10895
U6U7



$L_c = 5.213"$

10893
U6L6

$L_c = 2.667"$

10894
U6L7

U89 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

28 RIVETS
x 2 PLATES
=56 RIVETS

10891
U5U6

20 SPLICE P
x 2 PLATES
=40 RIVETS

35 RIVETS
x 2 PLATES
=70 RIVETS

10893
U6L6

21089 AND 31089

10895
U6U7

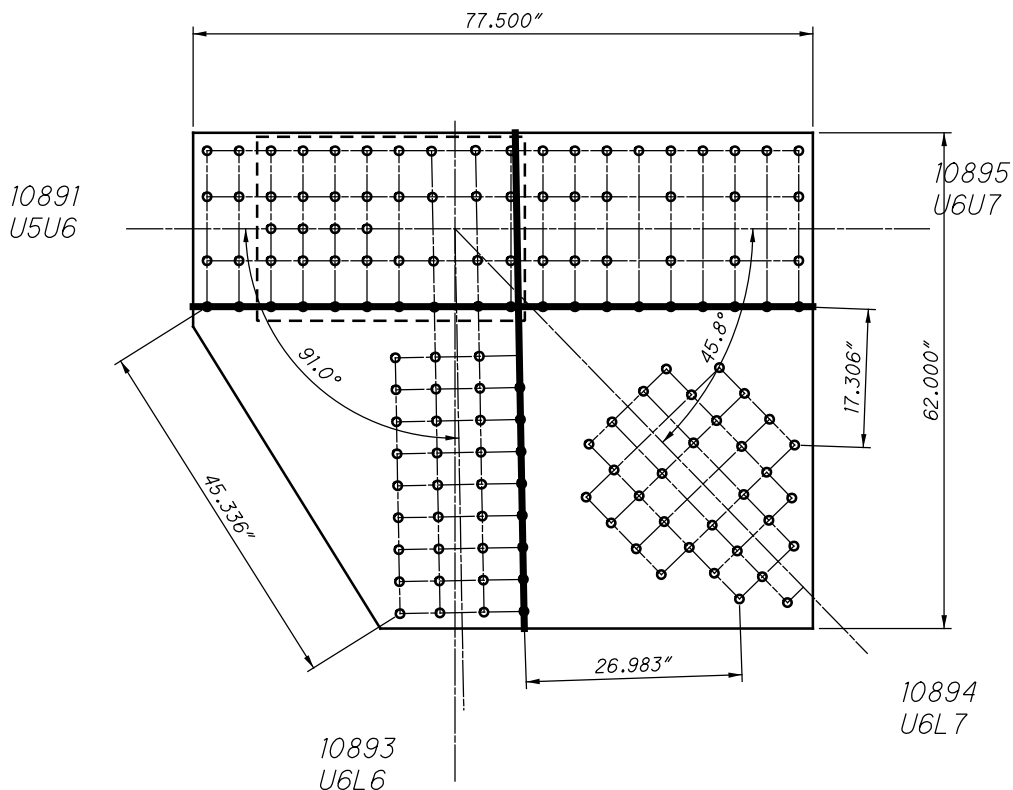
50 RIVETS
x 2 PLATES
=100 RIVETS

16 SPLICE P
x 2 PLATES
=32 RIVETS

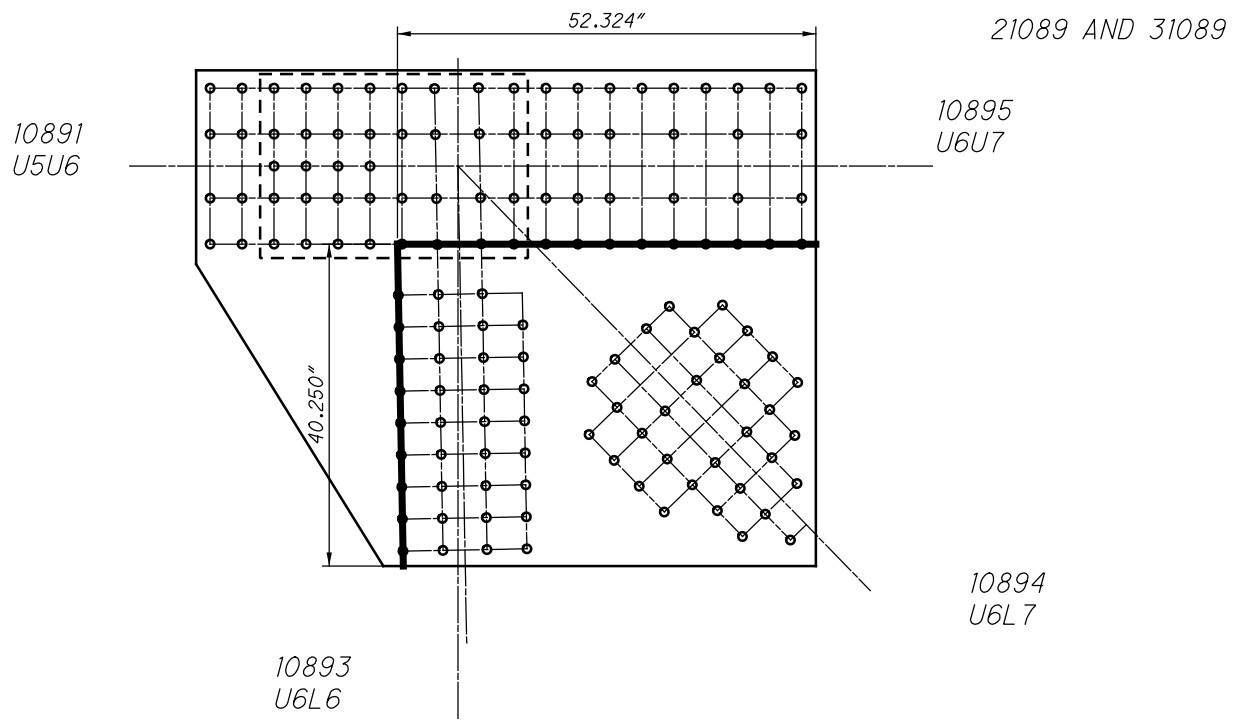
24 RIVETS
x 2 PLATES
=48 RIVETS

10894
U6L7

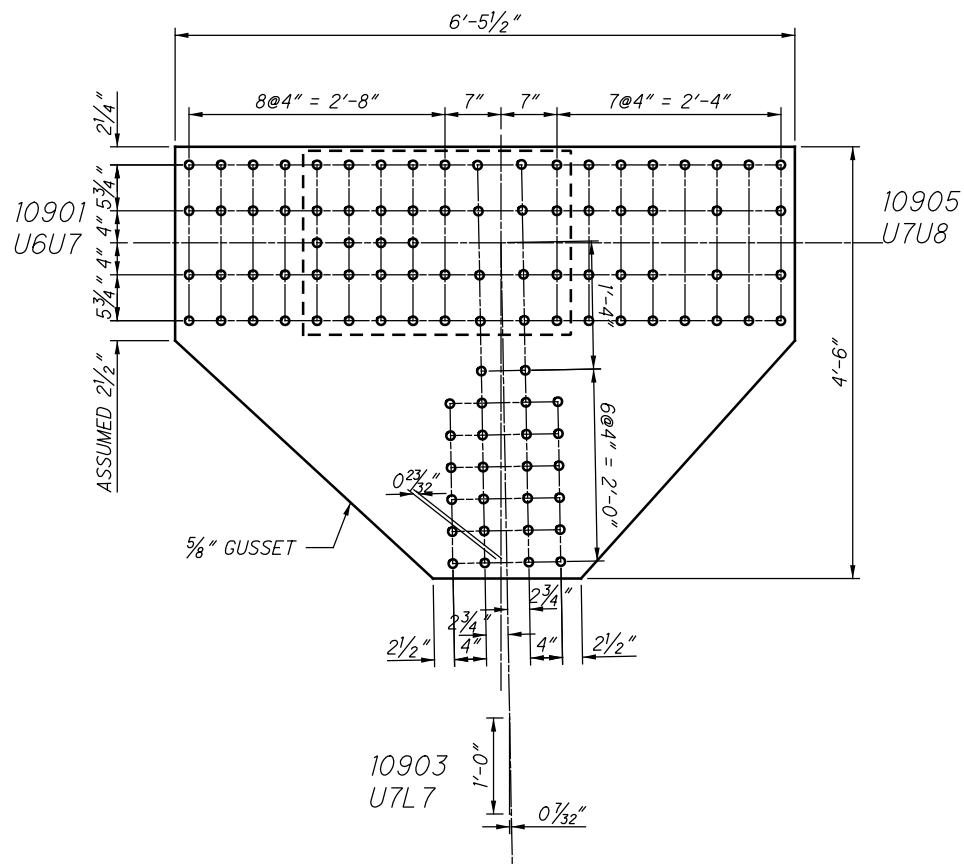
U89 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



U89 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

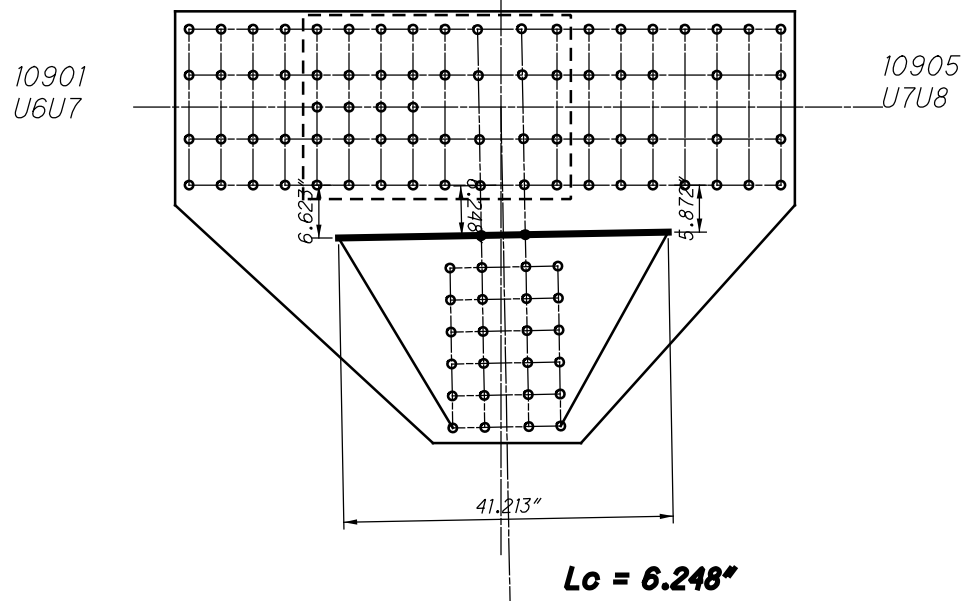


U89 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



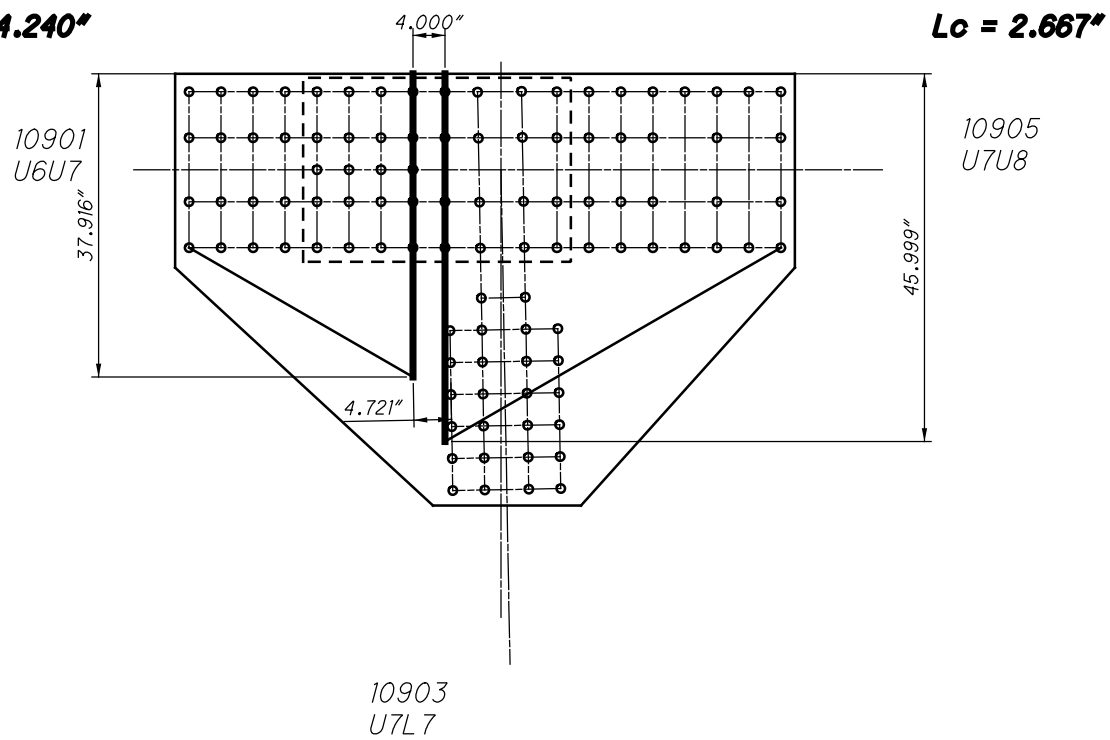
SPLICE PLATE
23" X 3/8" X 2'-9 1/2"

U90 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

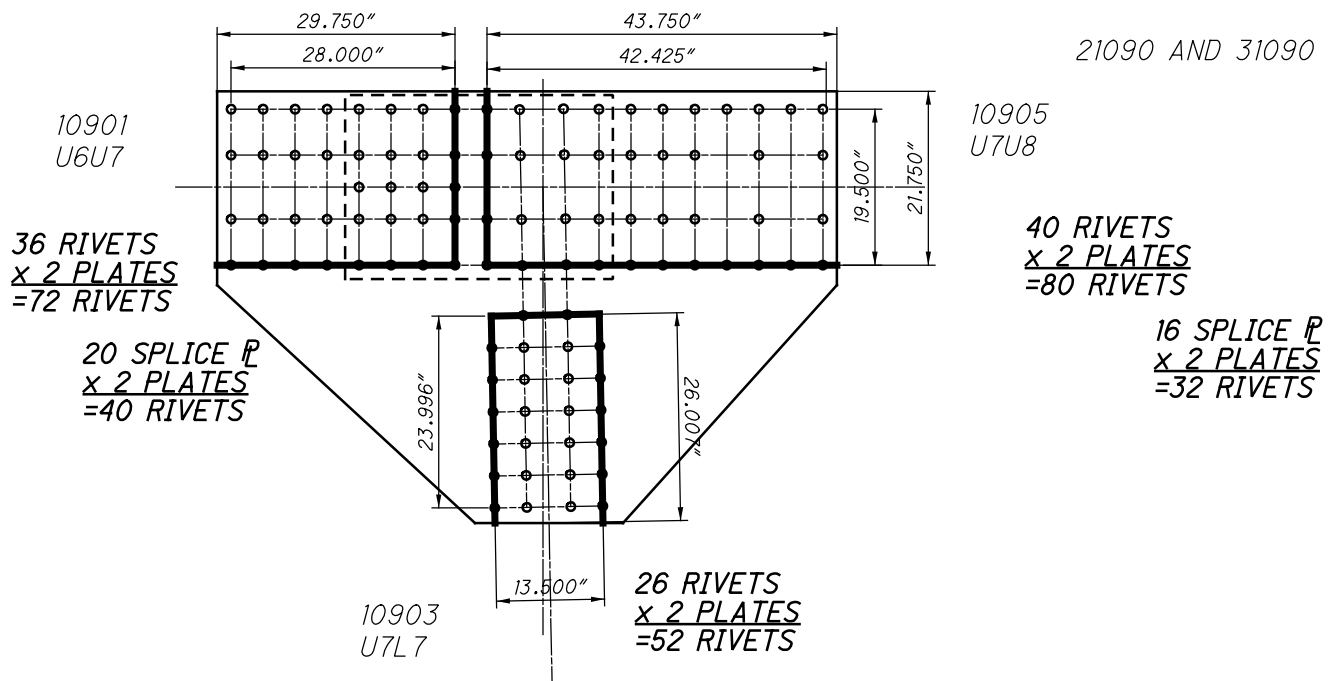


U90 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

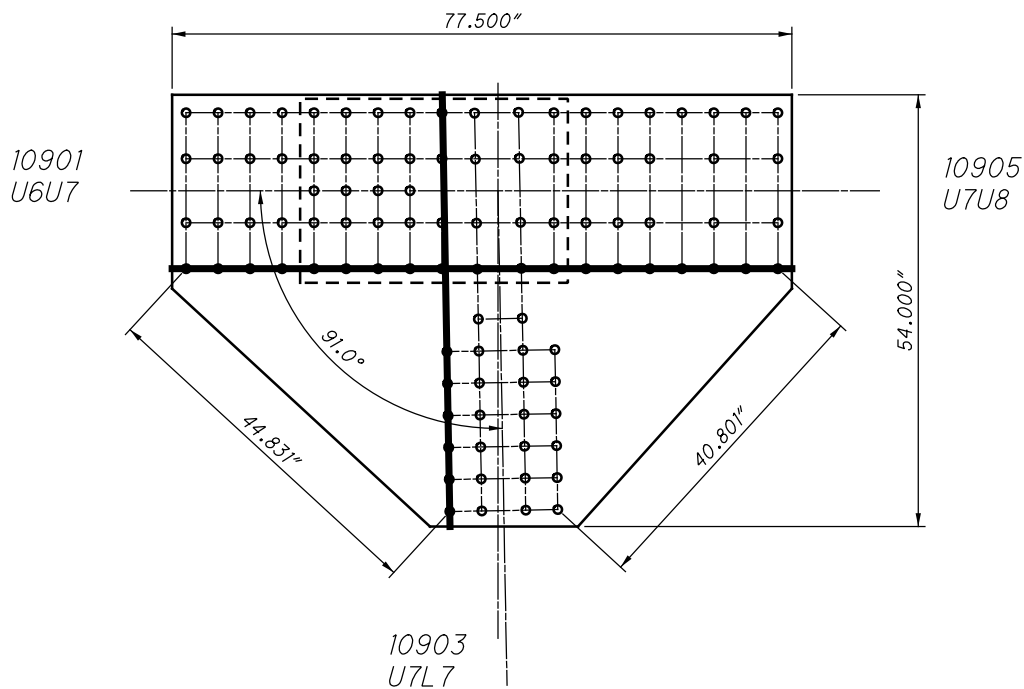
$L_c = 4.240"$



U90 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



U90 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

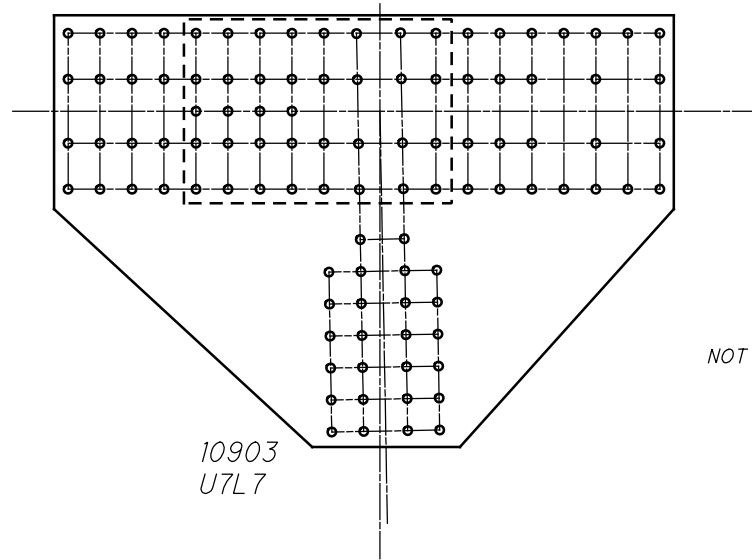


U90 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

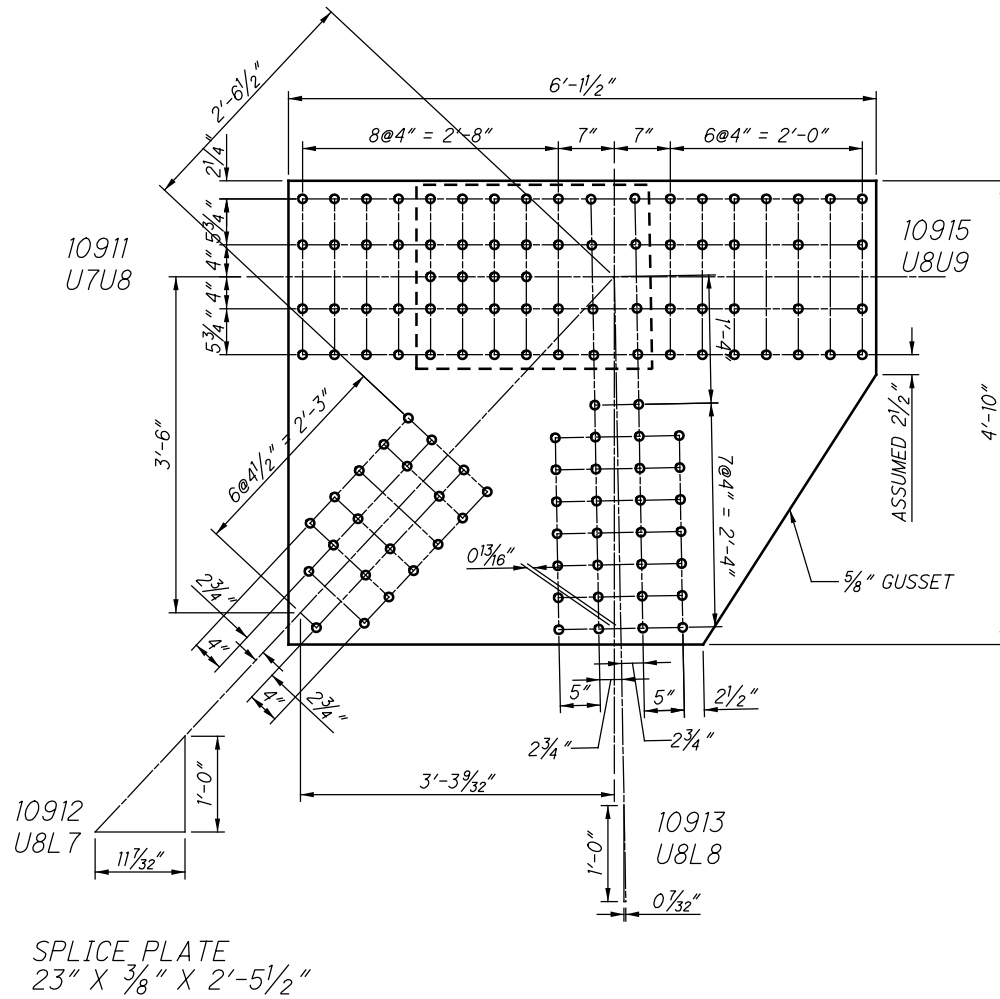
21090 AND 31090

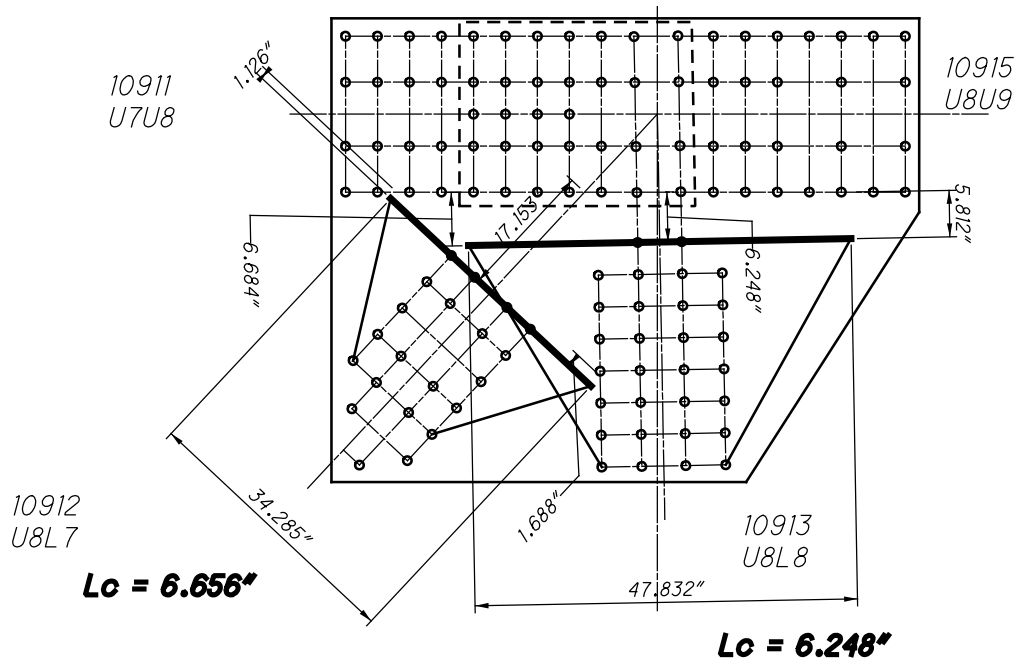
10901
U6U7

10905
U7U8

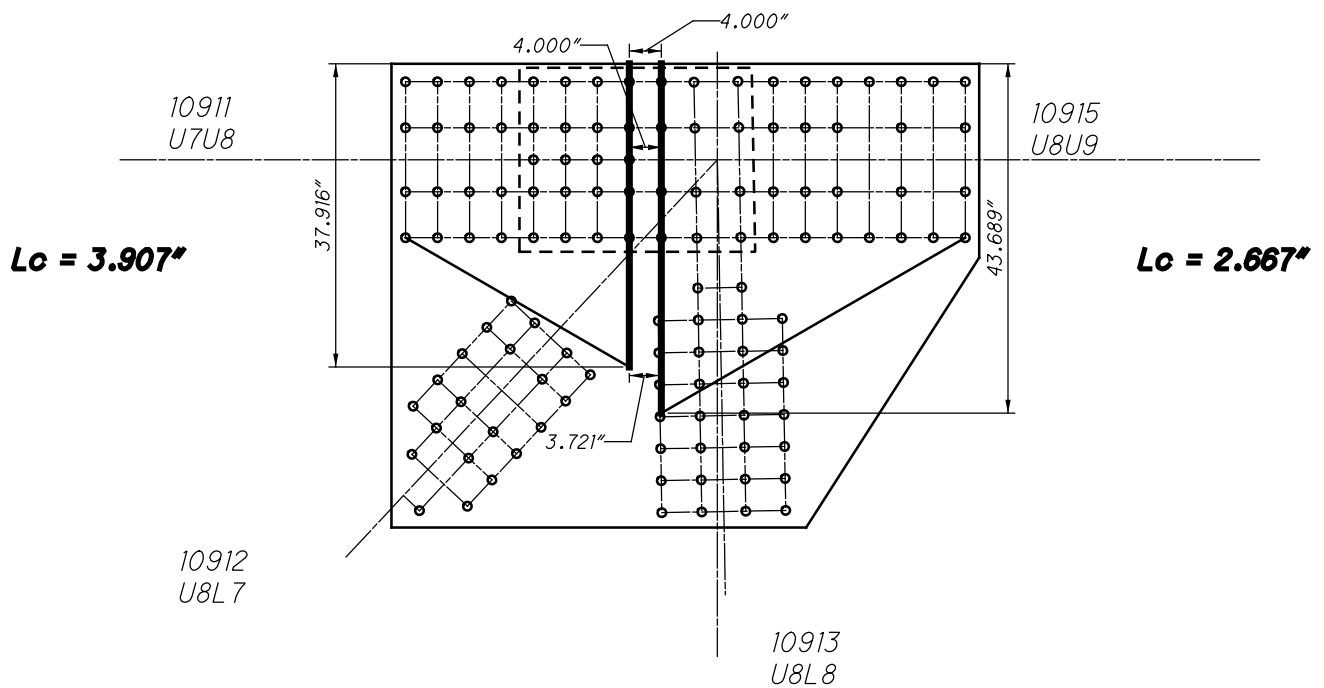


U90 INSIDE (SPAN 14)
QUADRANT DIMENSIONS





U91 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

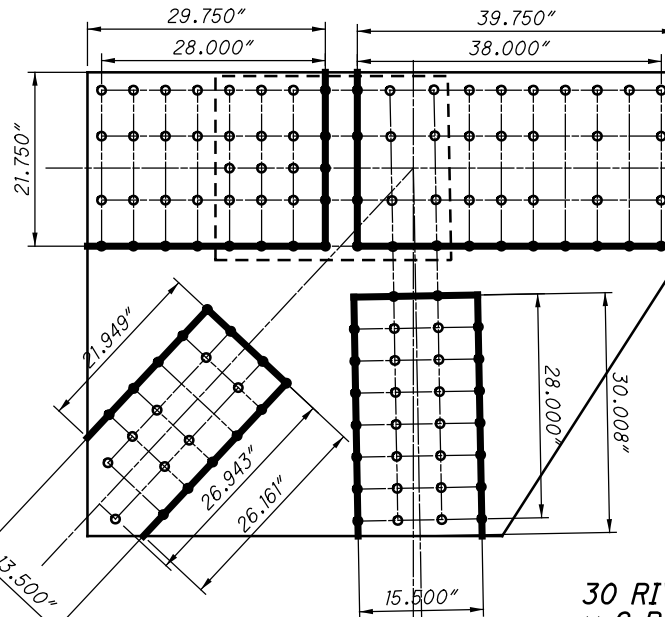


U91 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

36 RIVETS
x 2 PLATES
=72 RIVETS

10911
U7U8

20 SPLICE P
x 2 PLATES
=40 RIVETS



21091 AND 31091

36 RIVETS
x 2 PLATES
=72 RIVETS

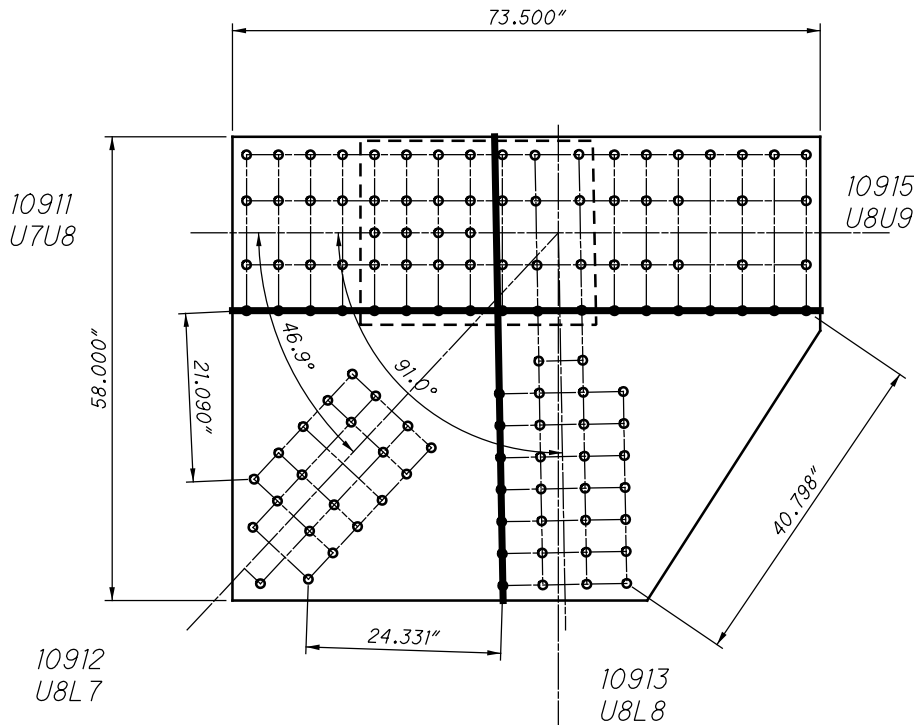
12 SPLICE P
x 2 PLATES
=24 RIVETS

21 RIVETS
x 2 PLATES
=42 RIVETS

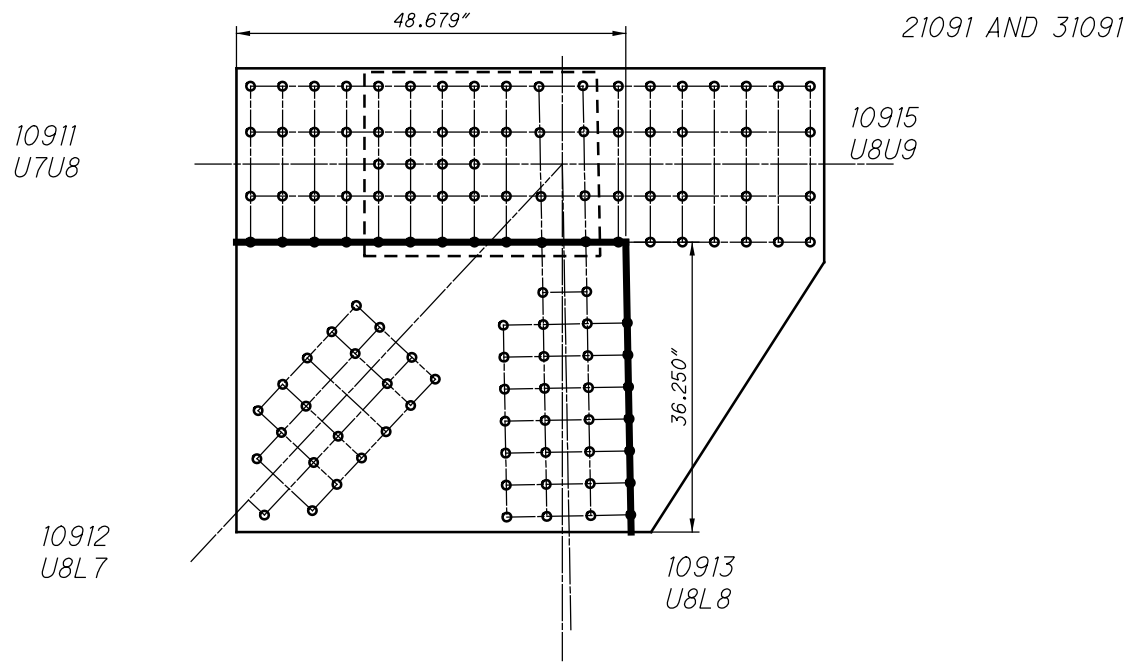
10913
U8L8

30 RIVETS
x 2 PLATES
=60 RIVETS

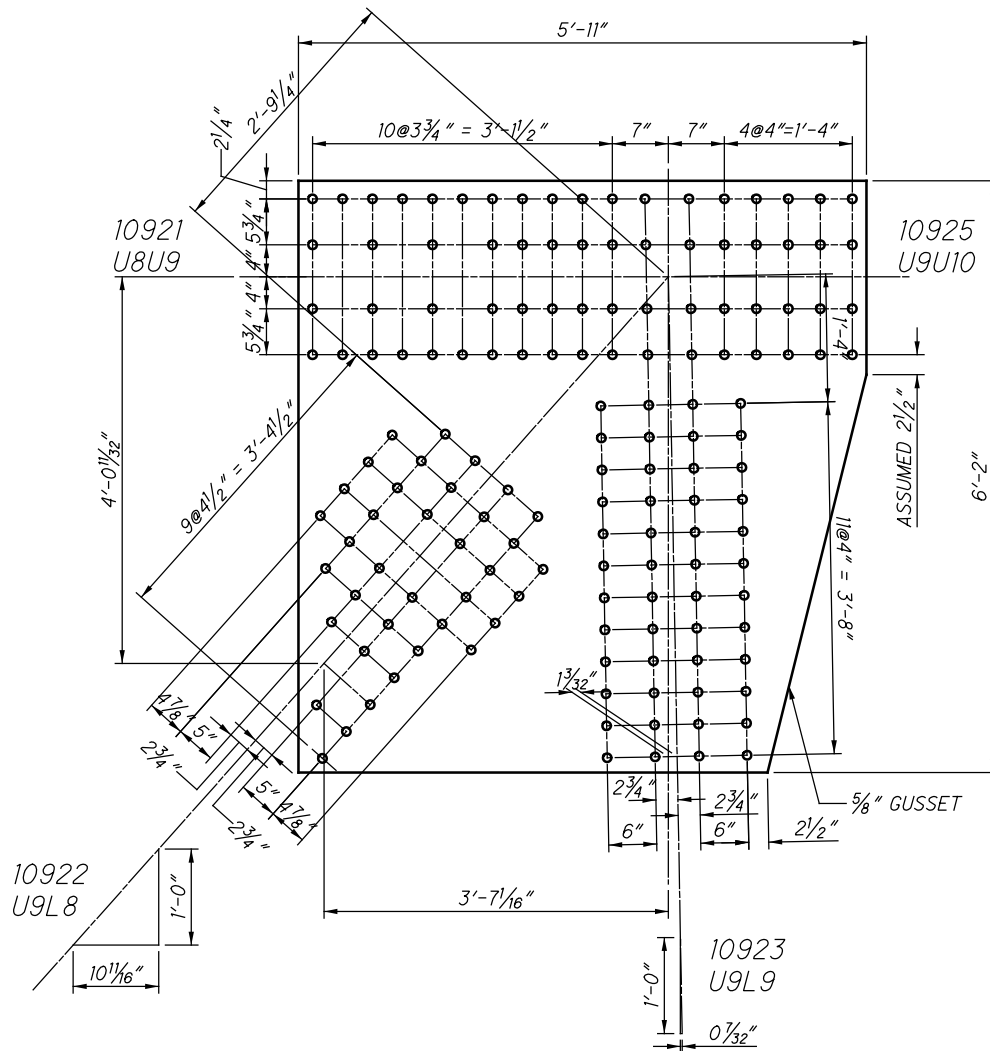
U91 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



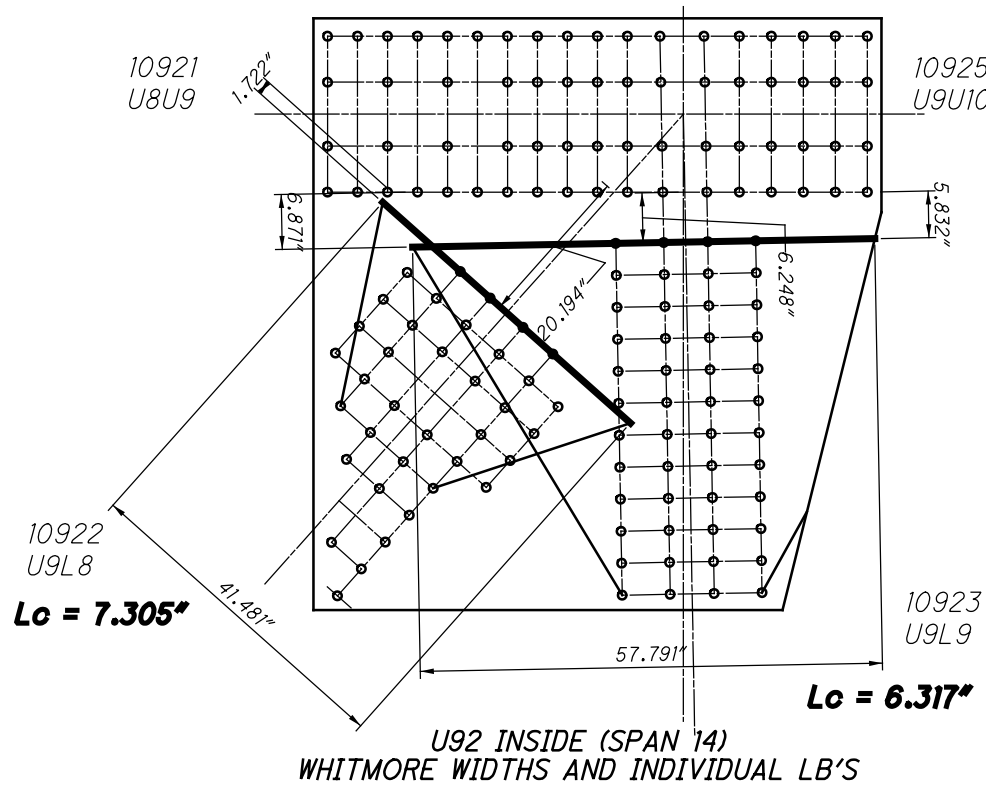
U91 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK



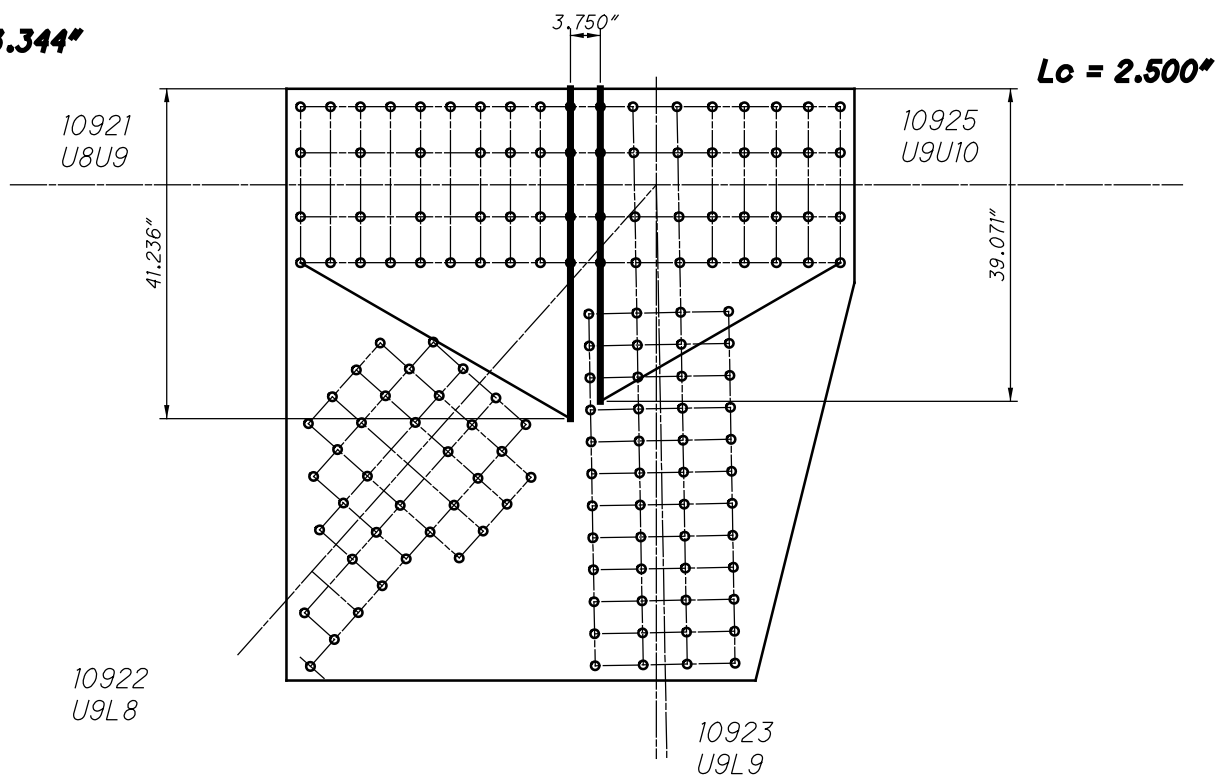
U91 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



U2 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



$L_c = 3.344''$



10921
U8U9
34 RIVETS
x 2 PLATES
=68 RIVETS

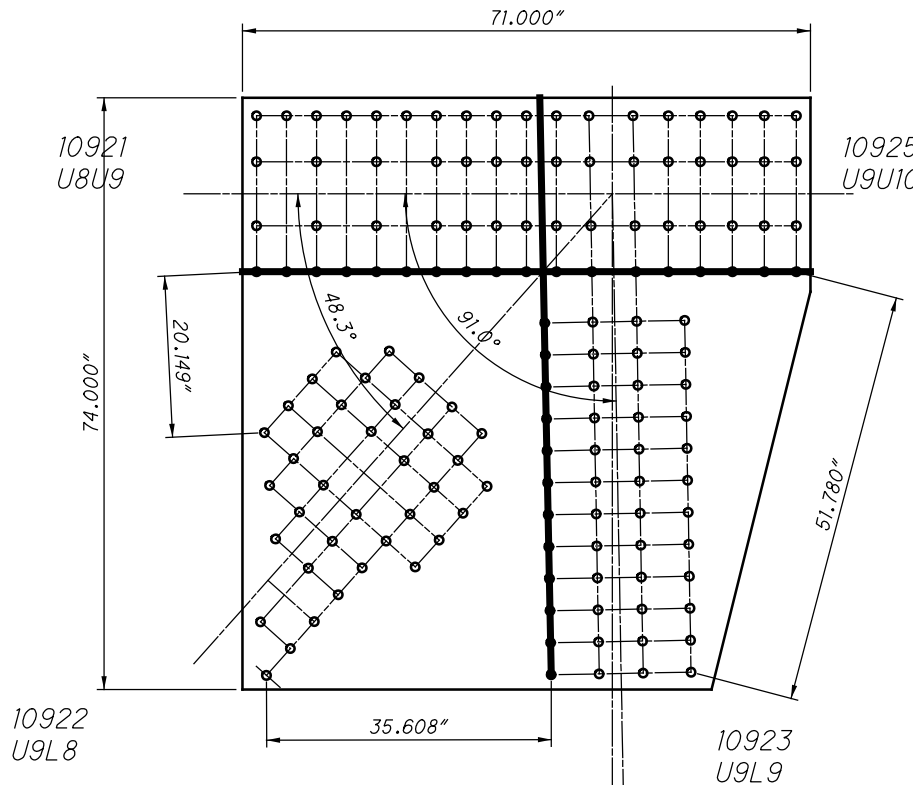
21092 AND 31092

10925
U9U10
32 RIVETS
x 2 PLATES
=64 RIVETS

10922
U9L8
29 RIVETS
x 2 PLATES
=58 RIVETS

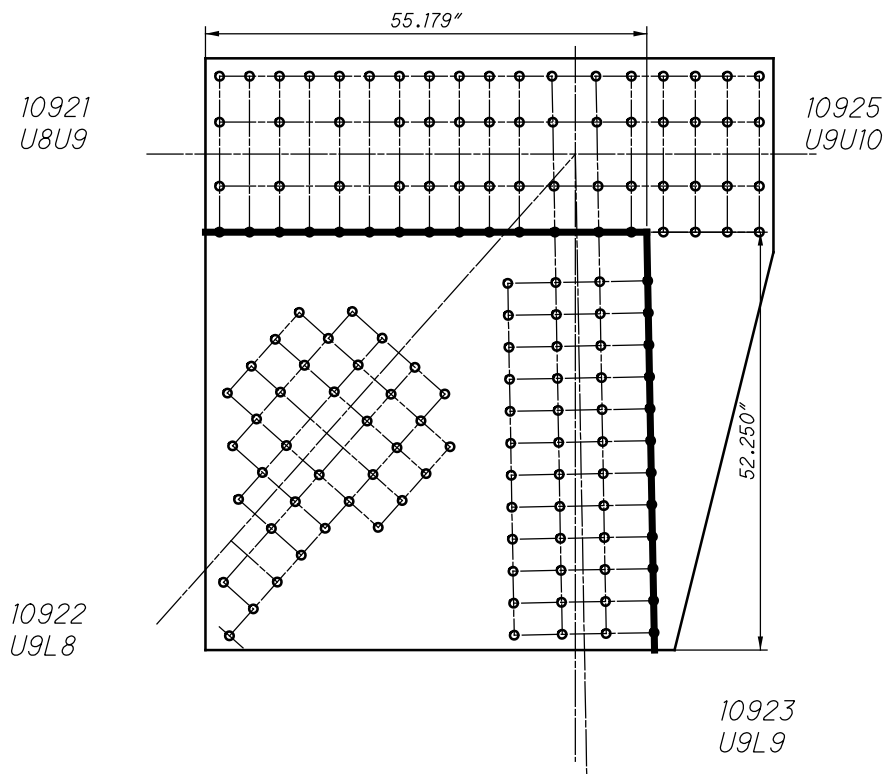
10923
U9L9
48 RIVETS
x 2 PLATES
=96 RIVETS

U92 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

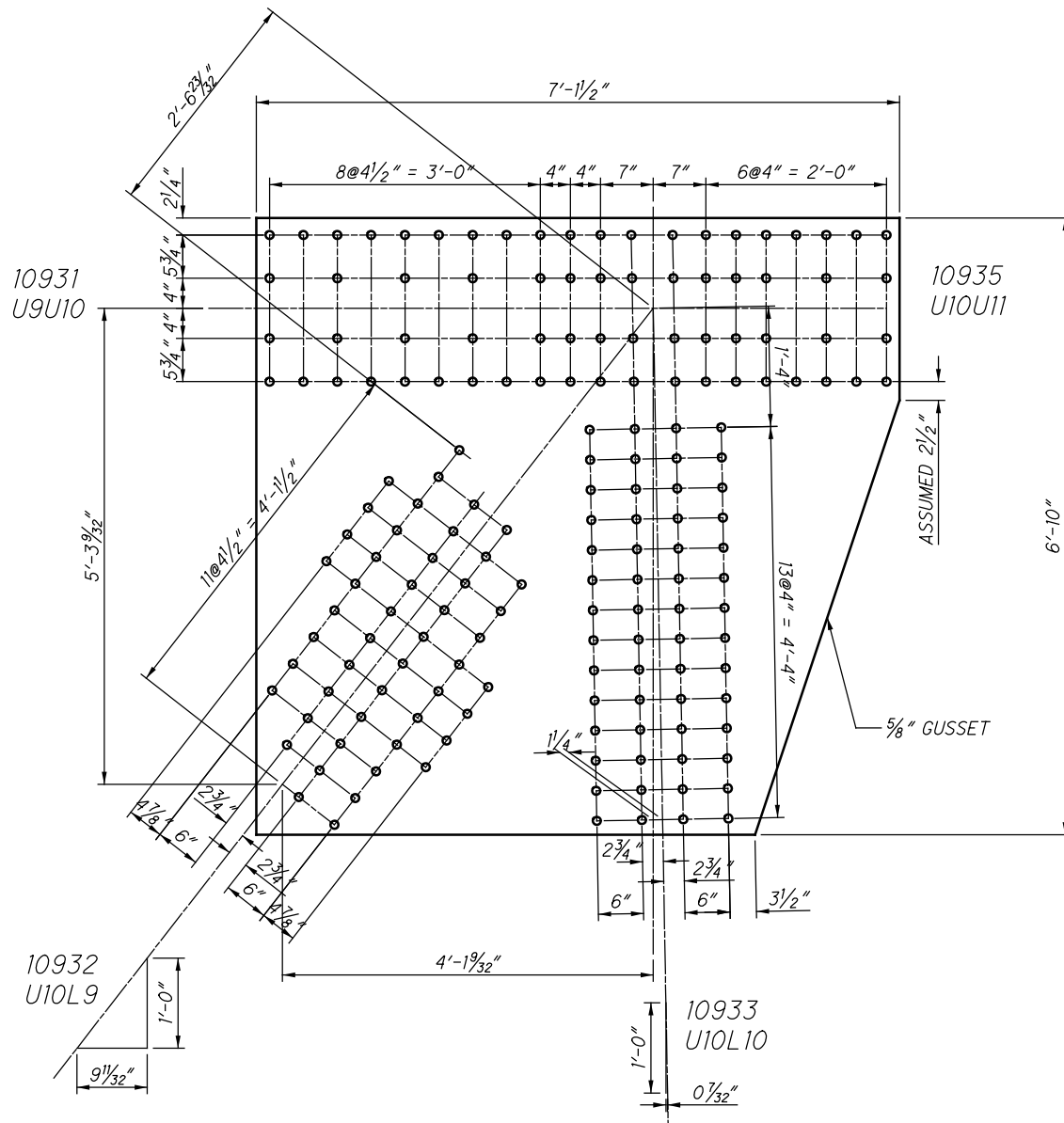


U92 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

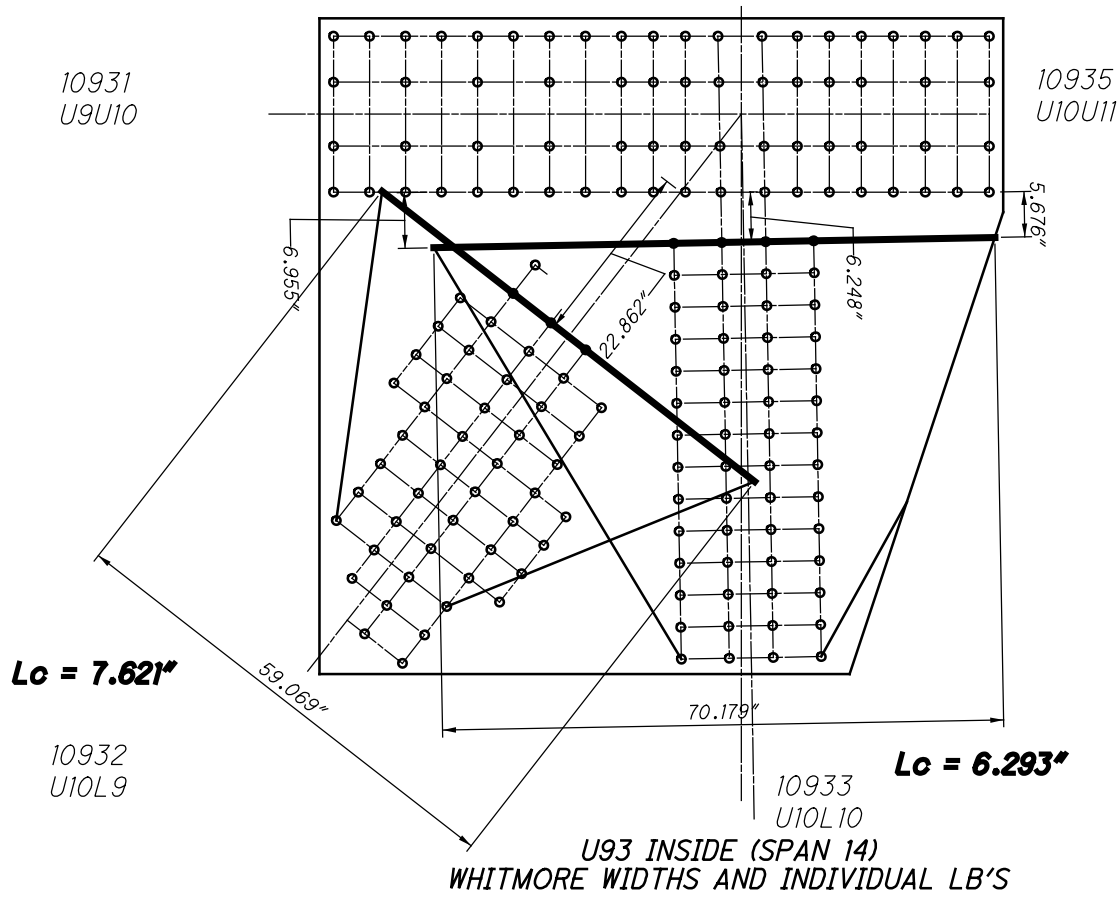
21092 AND 31092



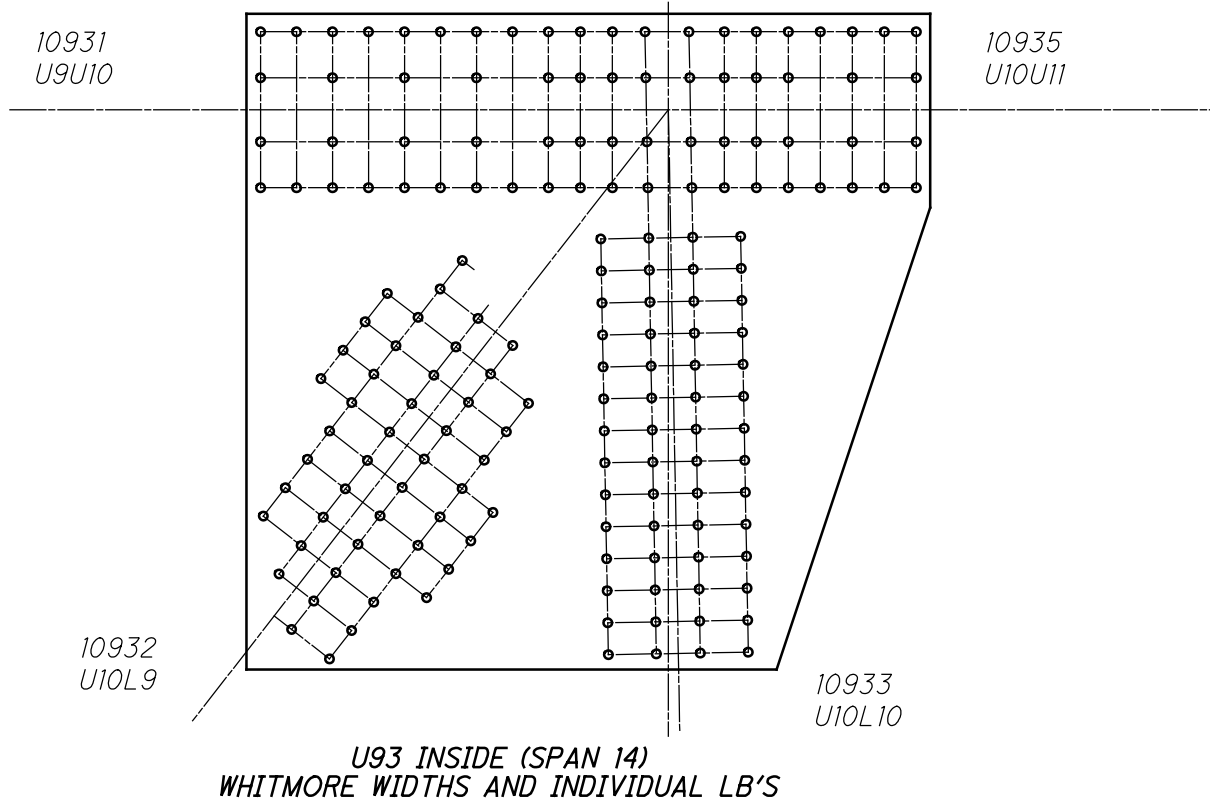
U92 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



U93 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

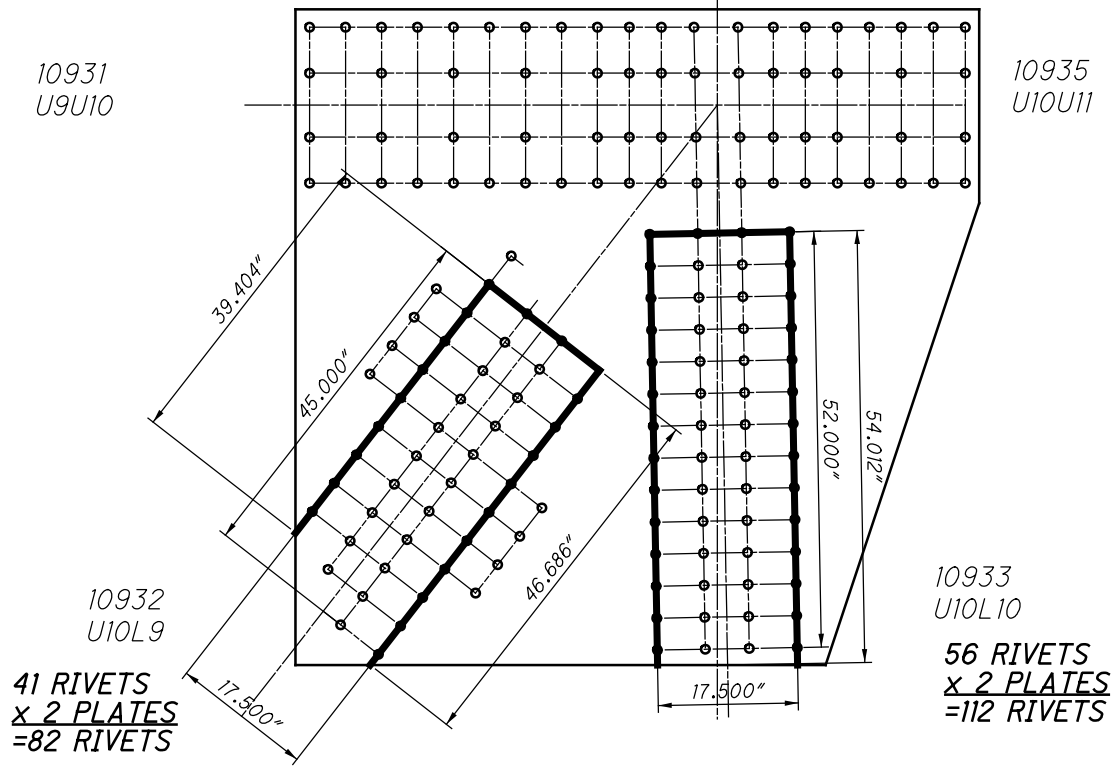


CHORD IS CONTINUOUS

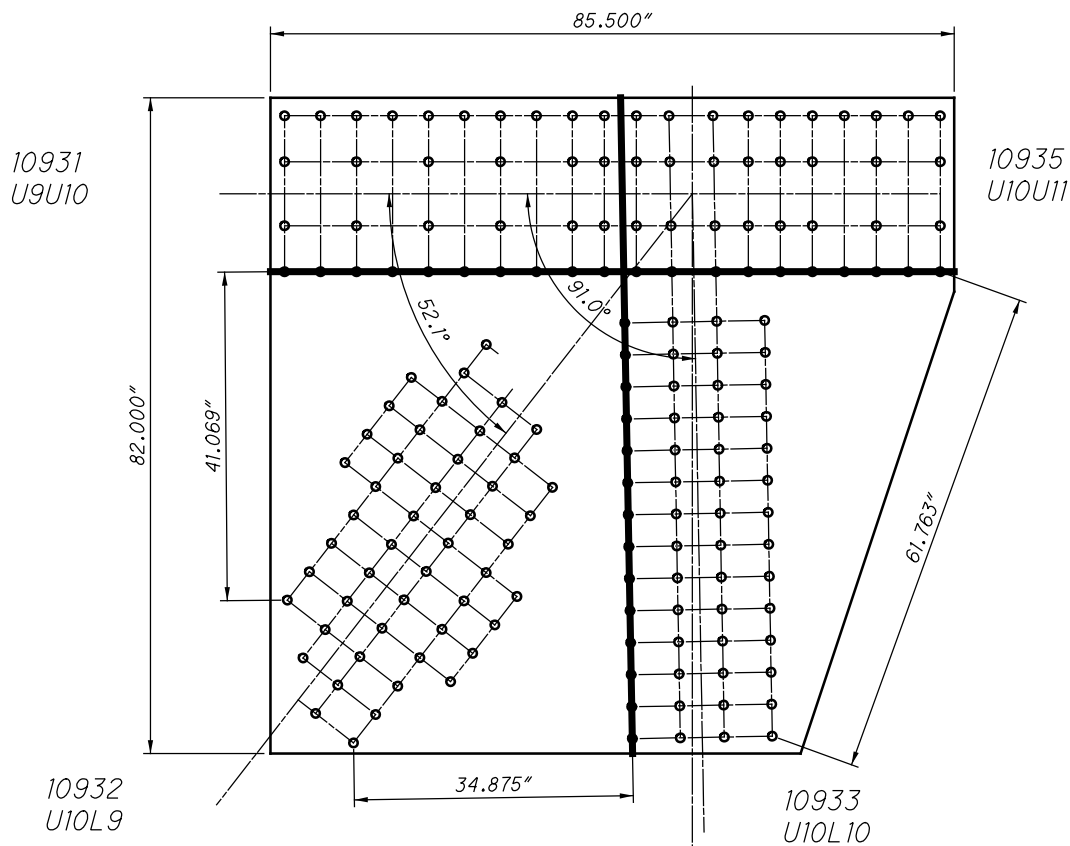


CHORD IS CONTINUOUS

21093 AND 31093



U93 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



U93 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

10931
U9U10

61.679"

21093 AND 31093

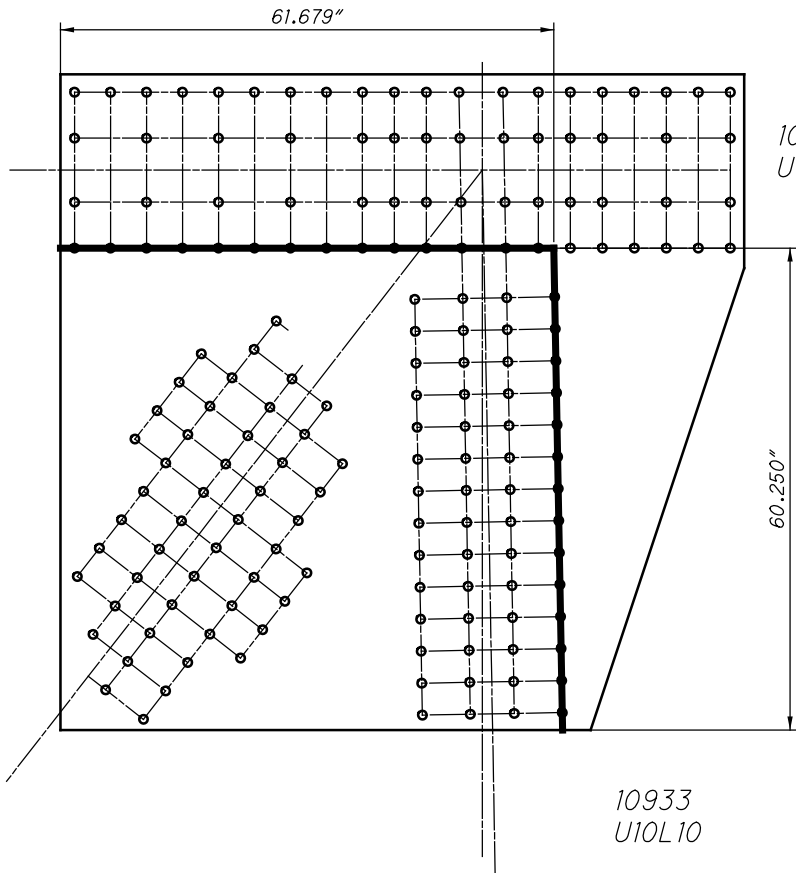
10935
U10U11

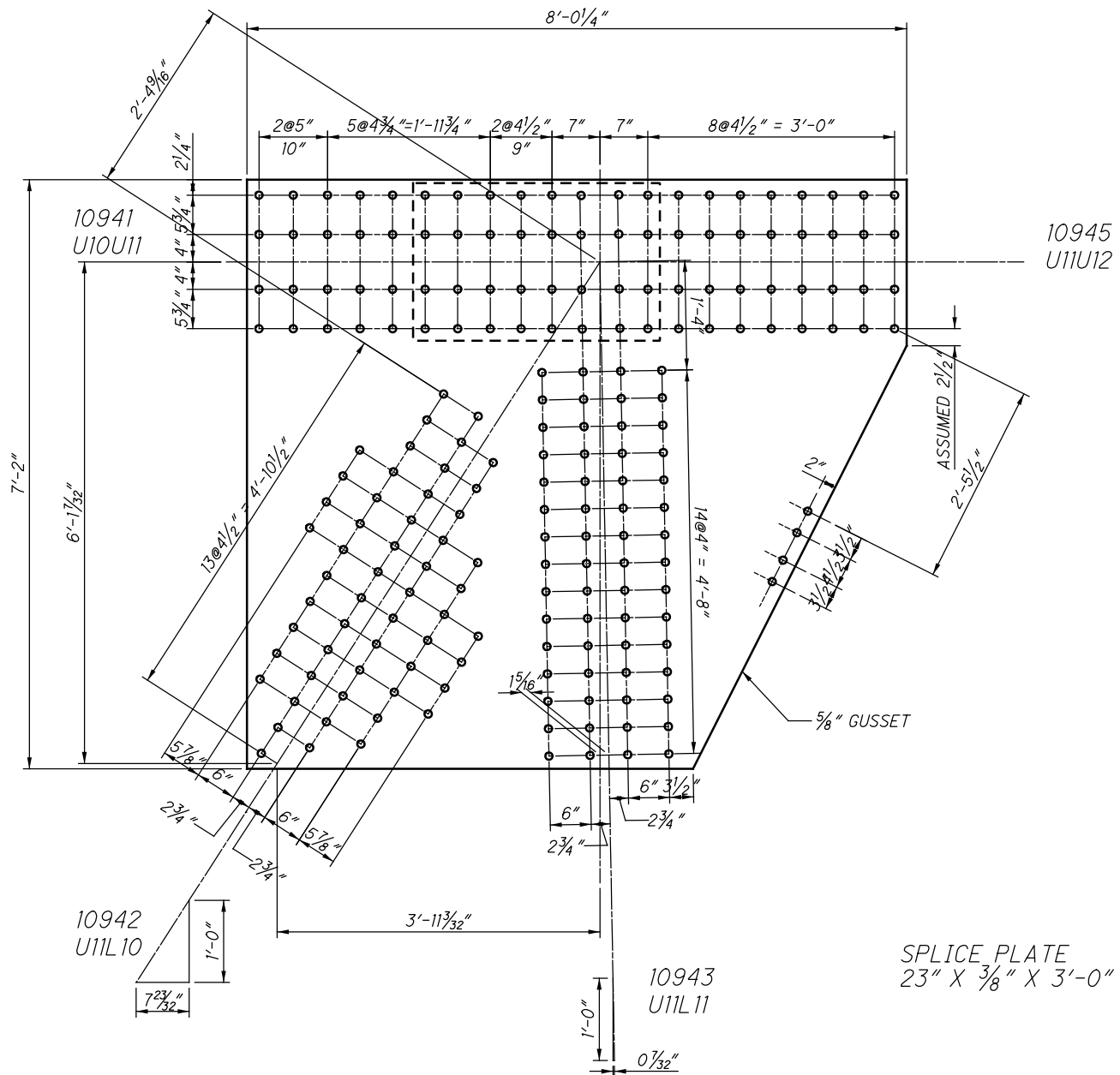
10932
U10L9

60.250"

10933
U10L10

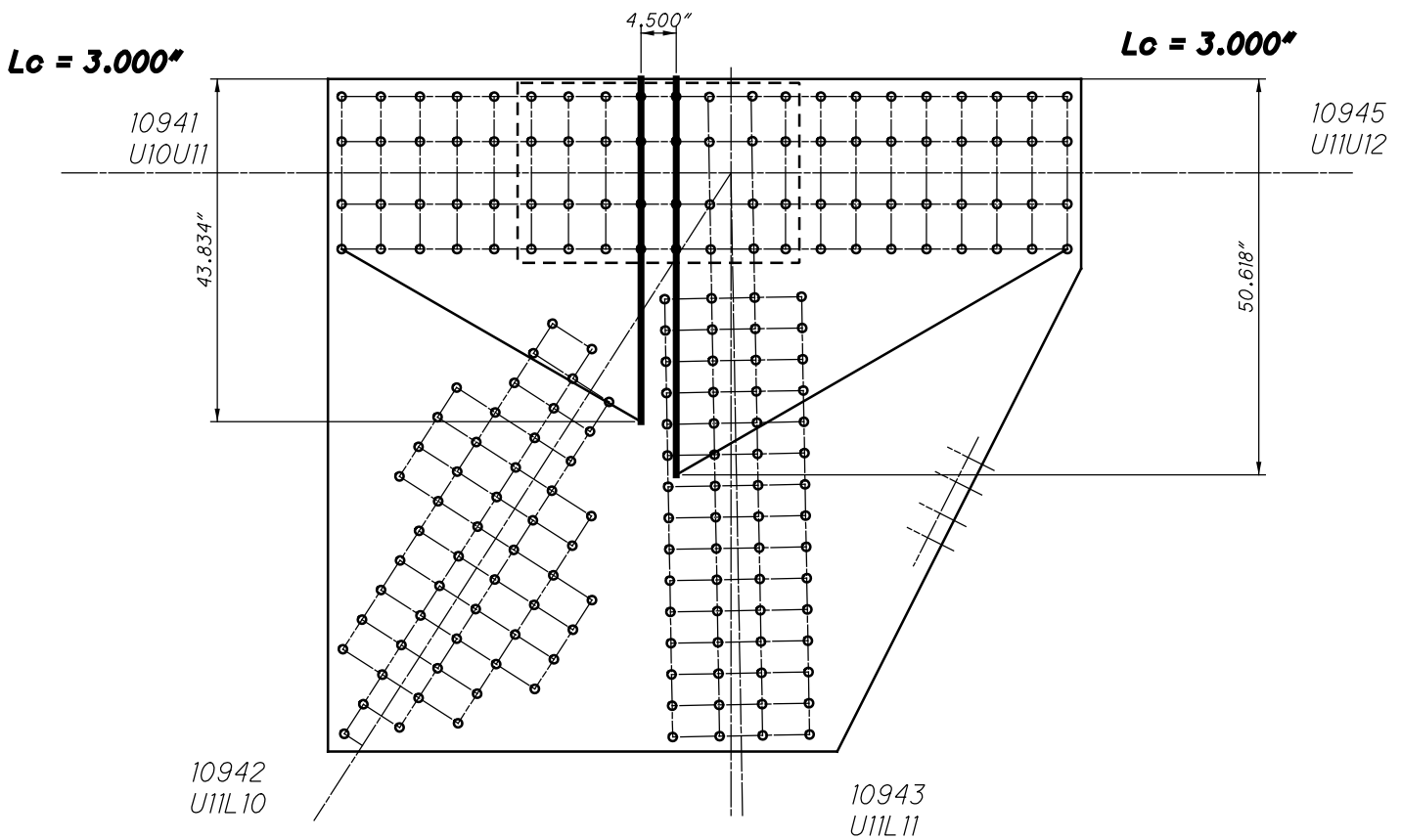
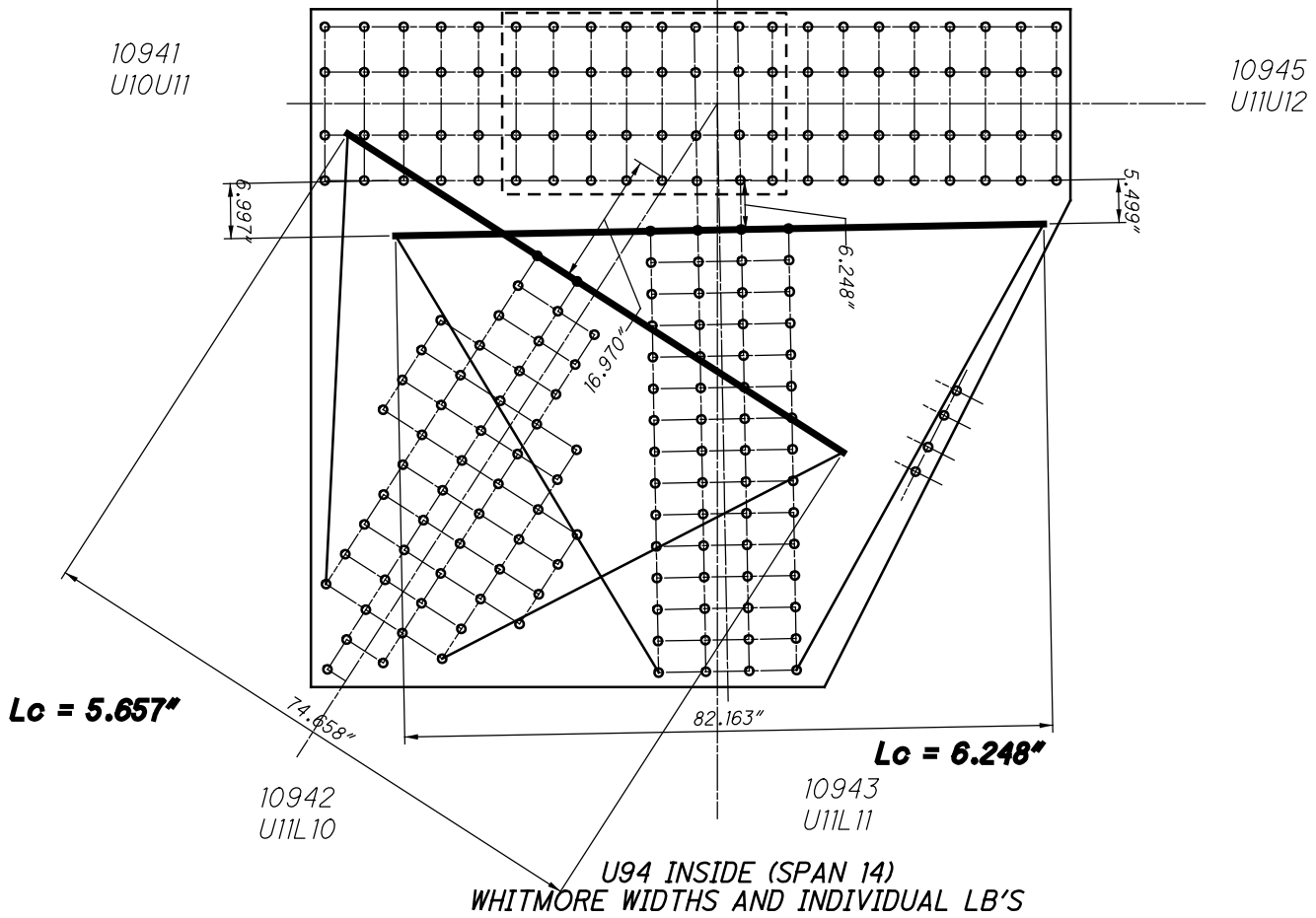
U93 INSIDE (SPAN 14)
QUADRANT DIMENSIONS

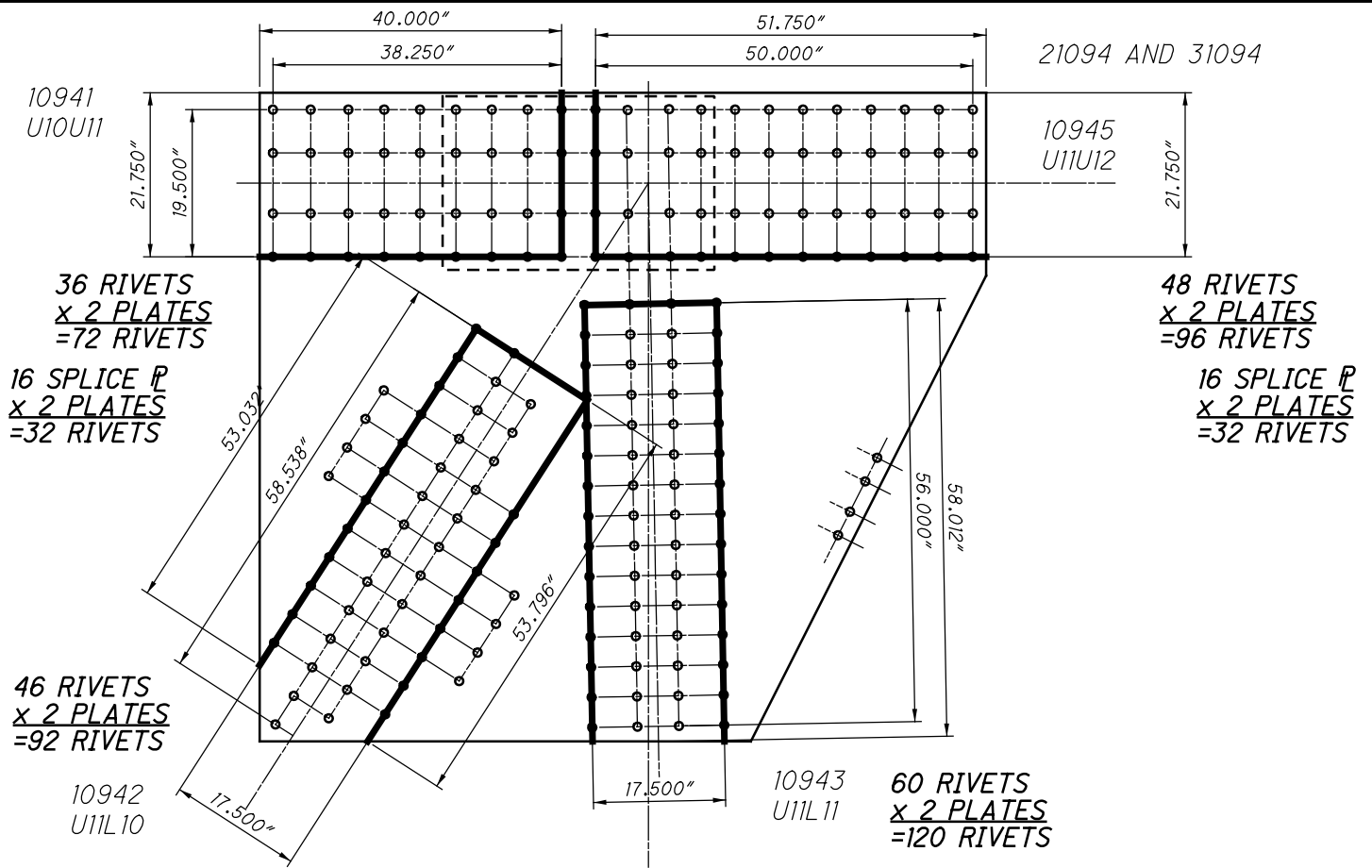




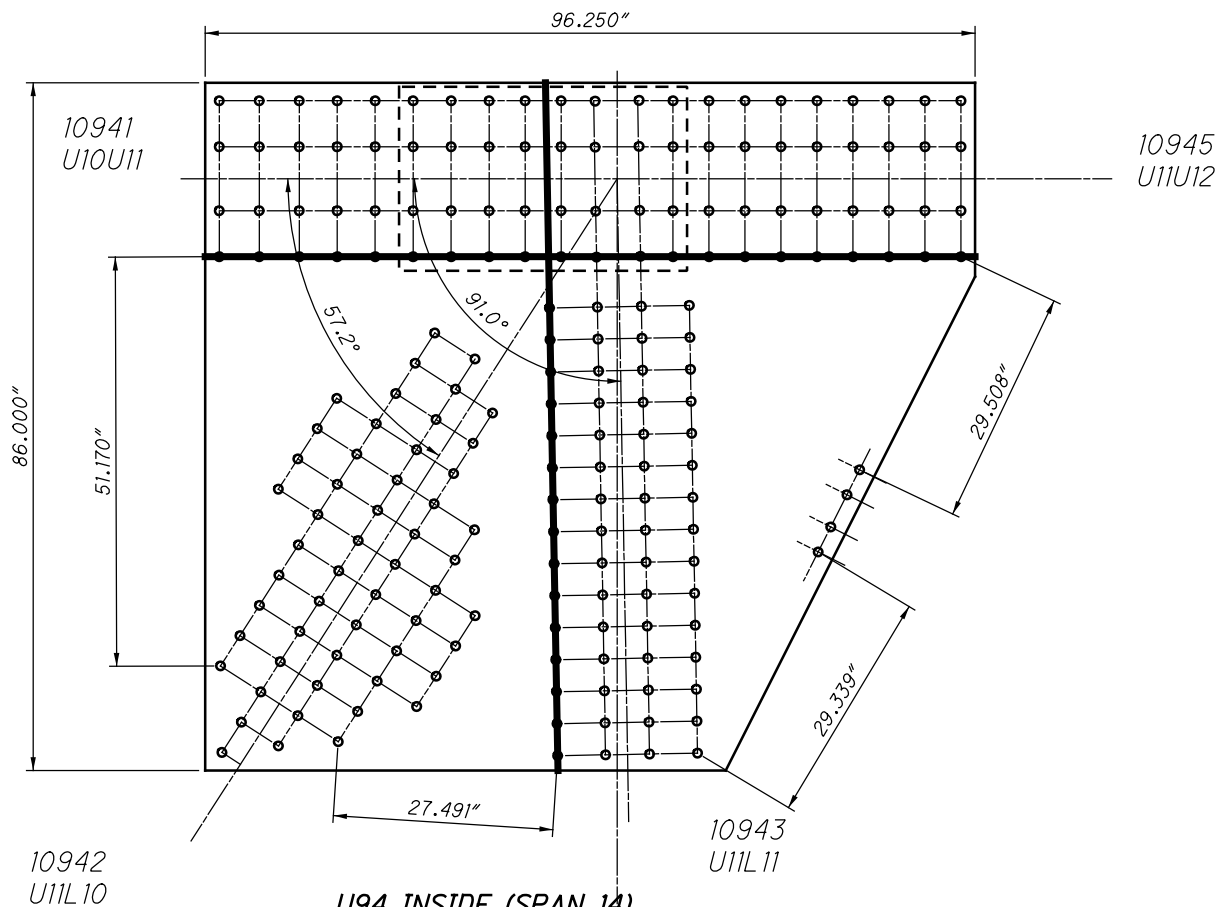
U94 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

(on the same shop drawing as U2 I)





U94 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



U94 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

10941
U10U11

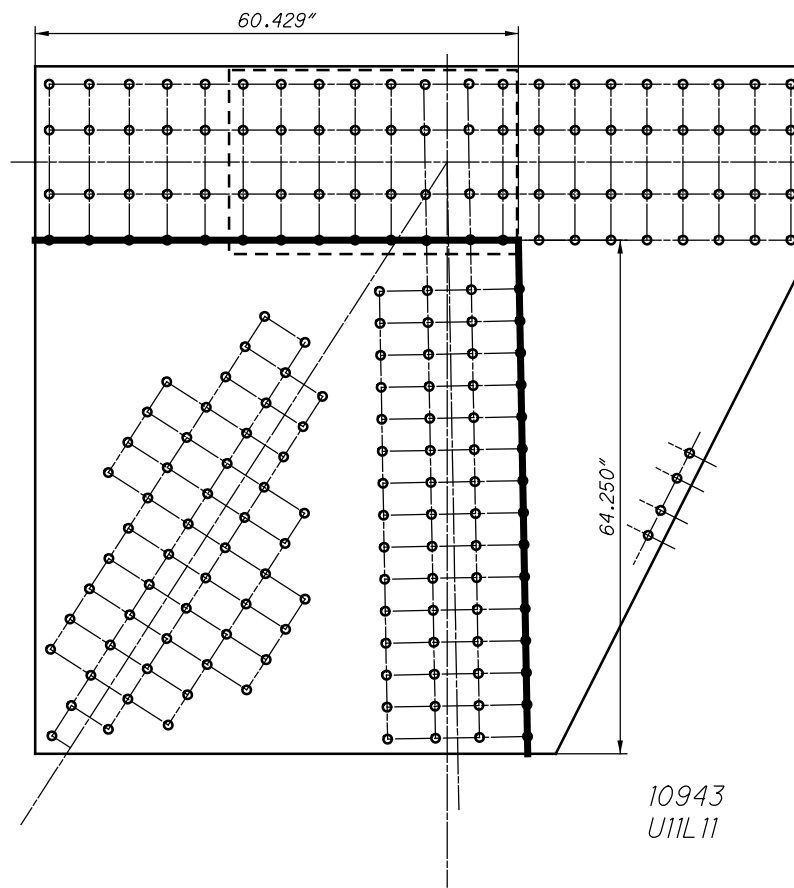
21094 AND 31094

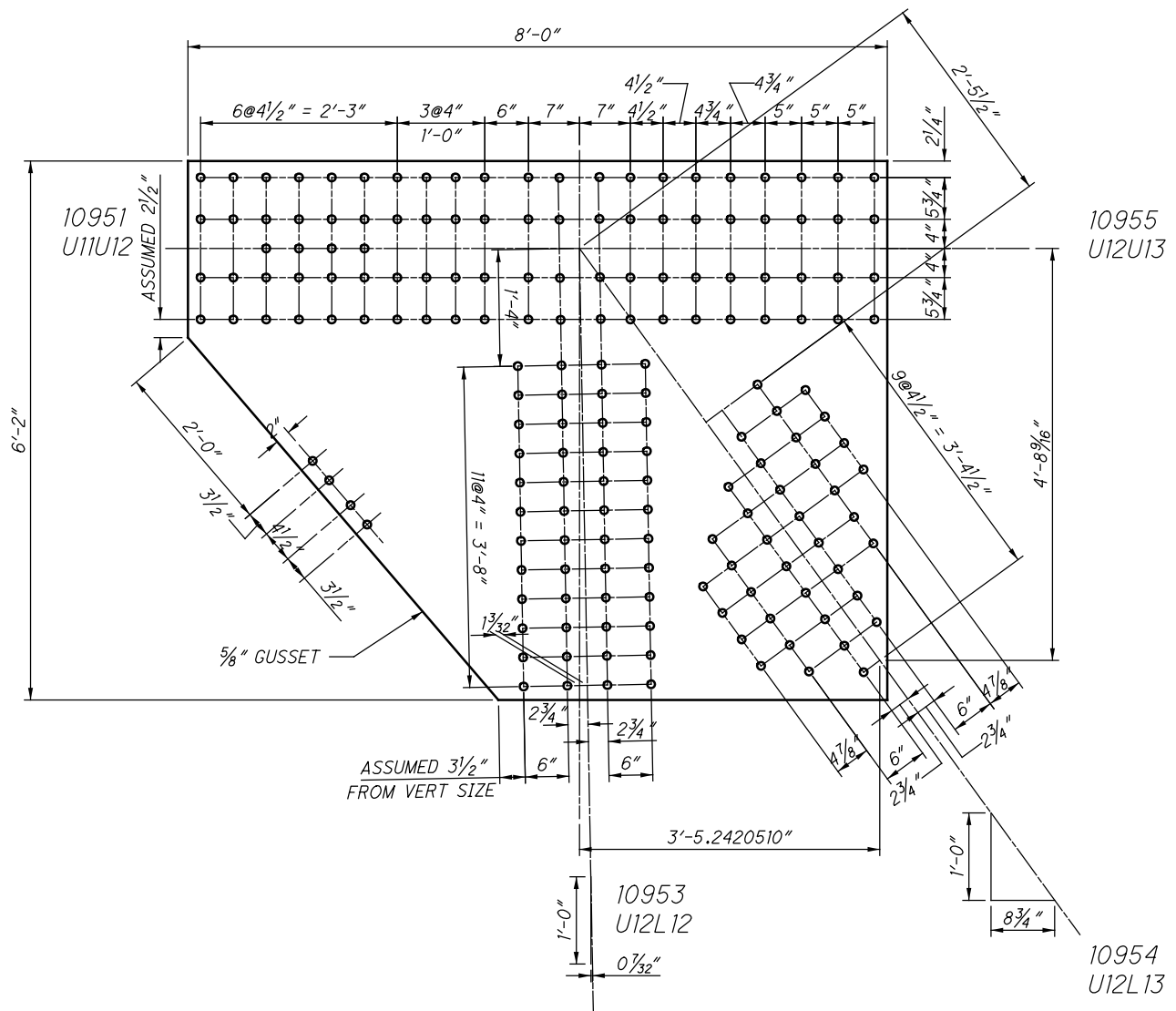
10945
U11U12

10942
U11L10

10943
U11L11

U94 INSIDE (SPAN 14)
QUADRANT DIMENSIONS





U95 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

10951
U11U12

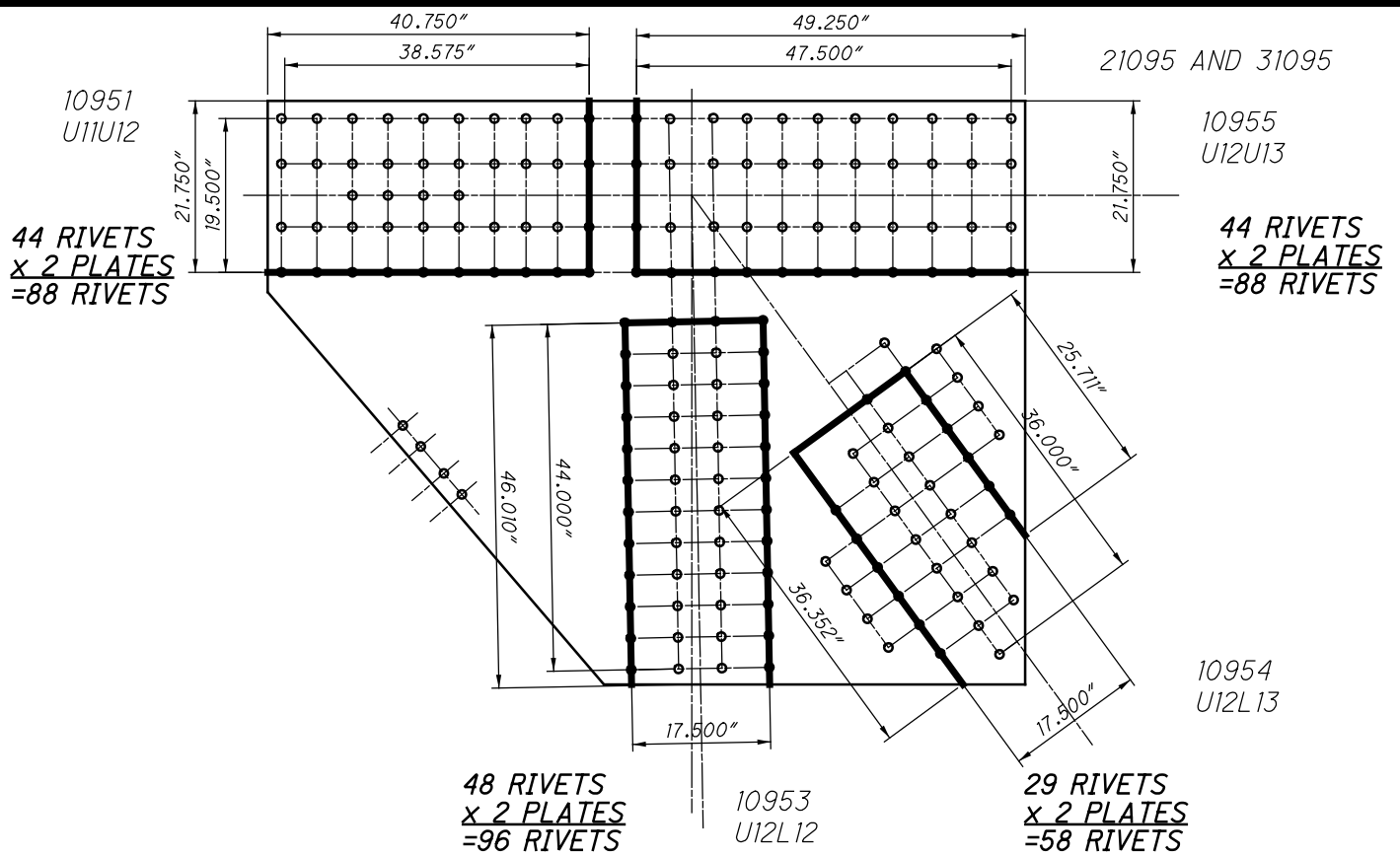
$L_c = 5.612''$

10951
U11U12

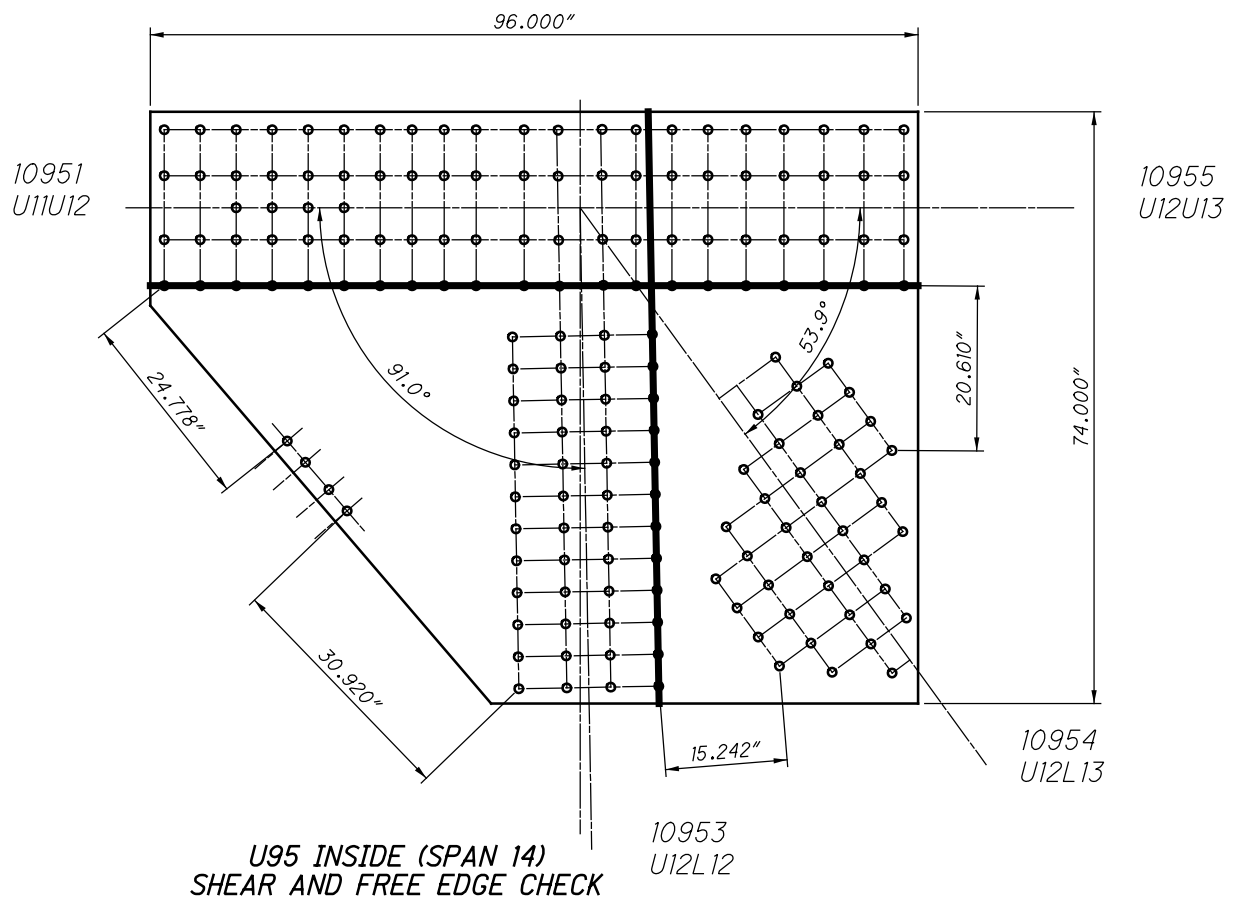
$L_c = 4.000''$

10955
U12U13

U95 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

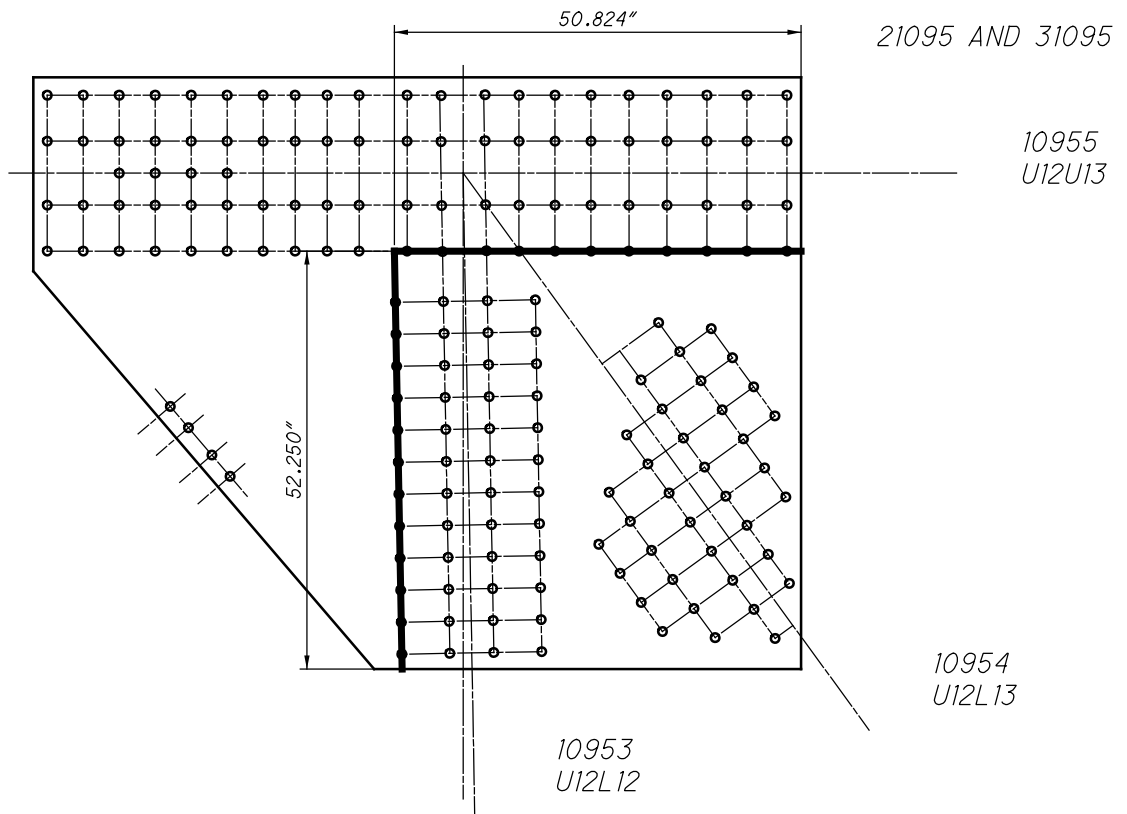


U95 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

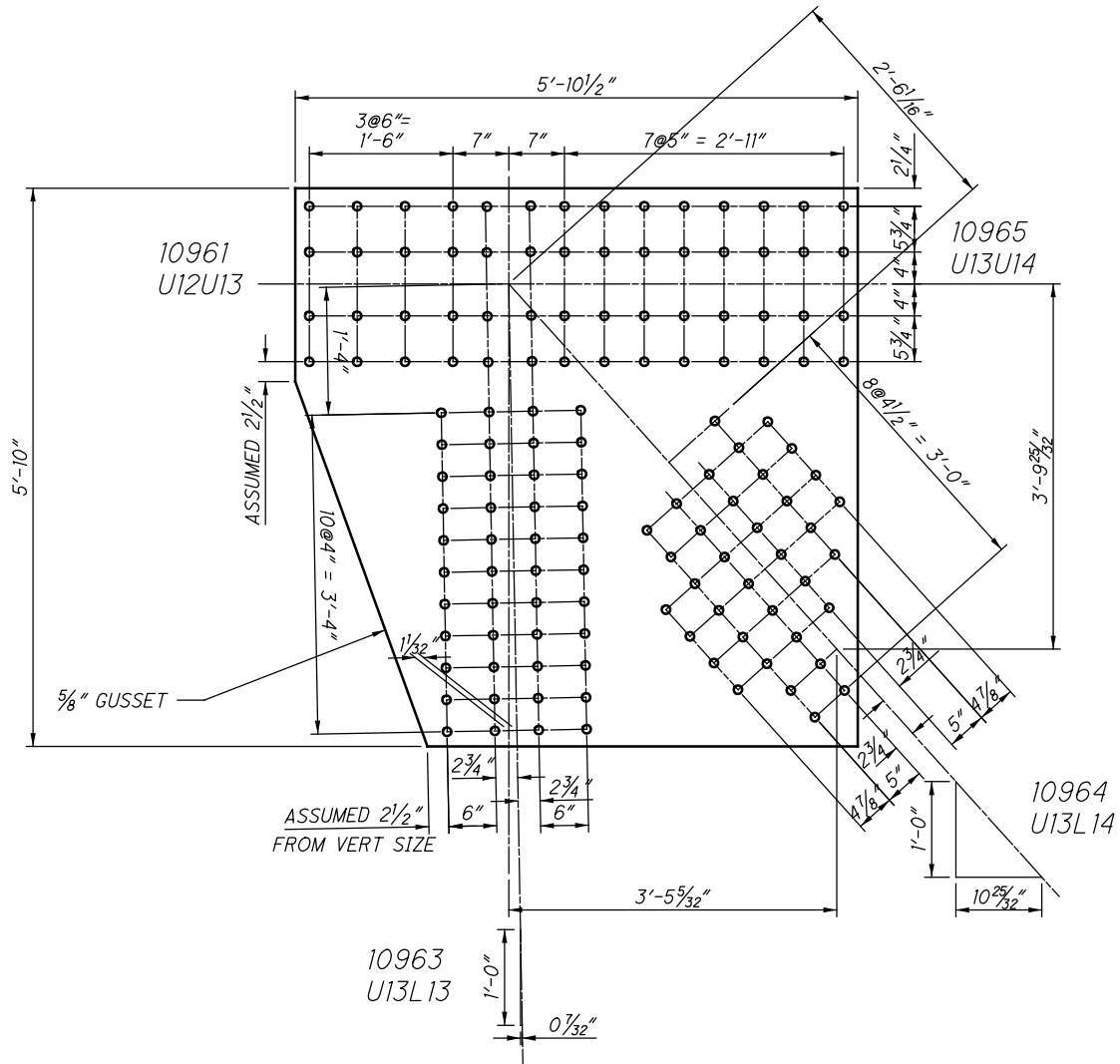


U95 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

10951
U11U12

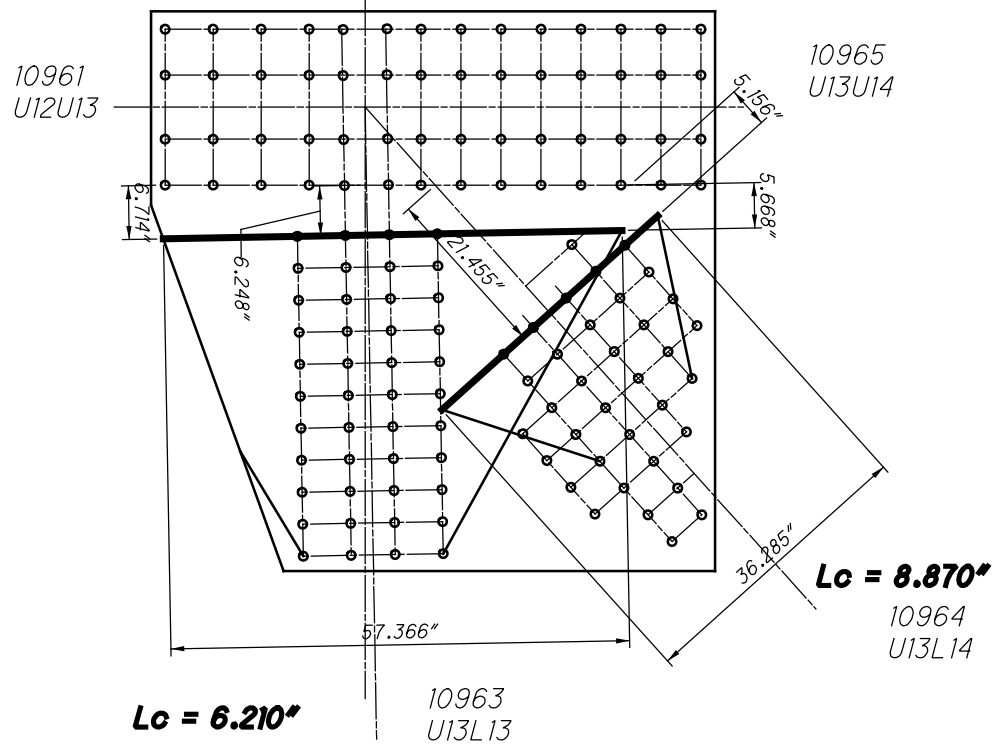


*U95 INSIDE (SPAN 14)
QUADRANT DIMENSIONS*



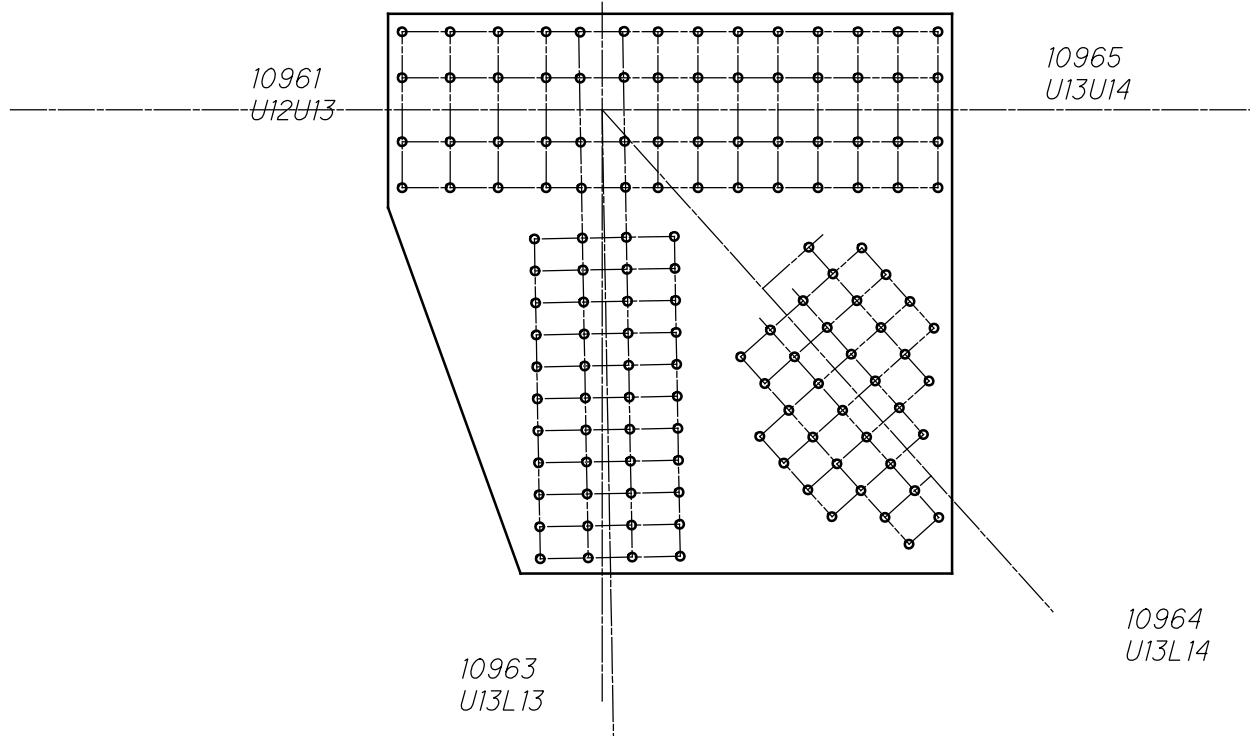
U96 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

21096 AND 31096



U96 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

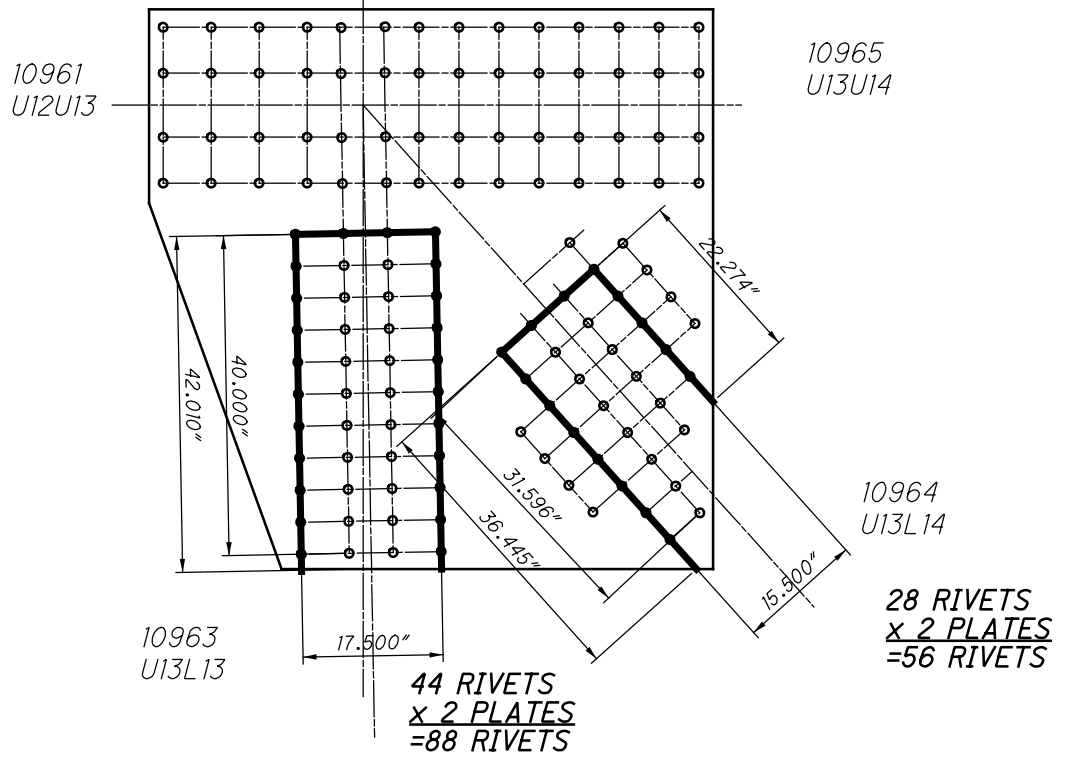
CHORD IS CONTINUOUS



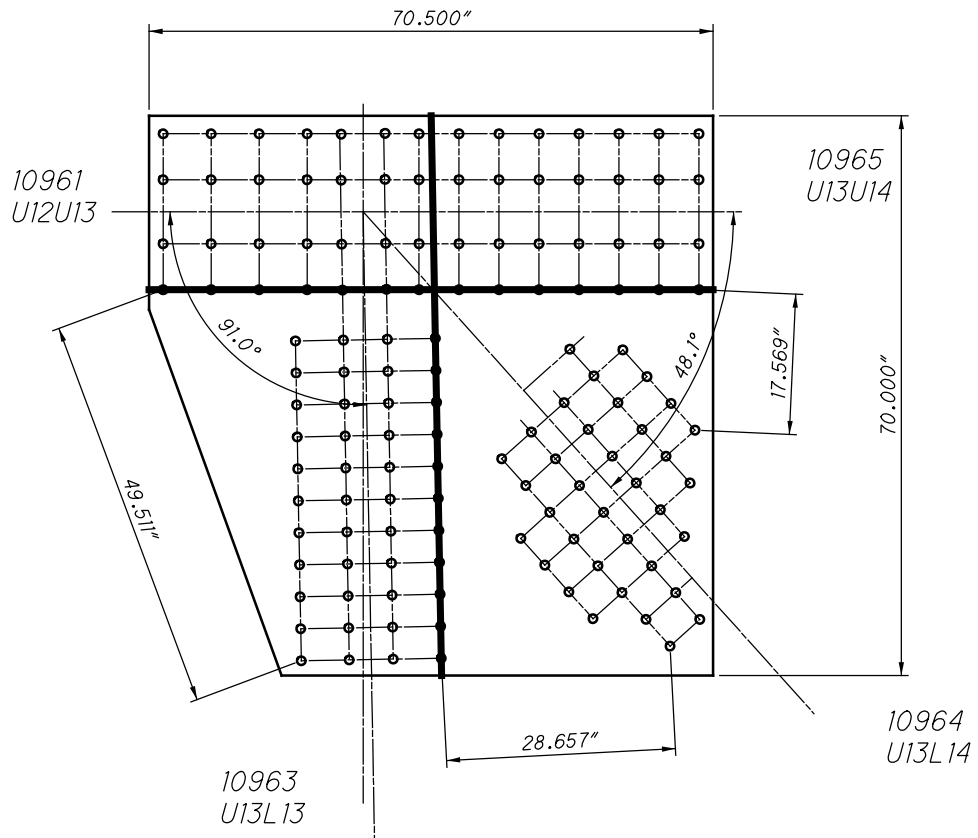
U96 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

CHORD IS CONTINUOUS

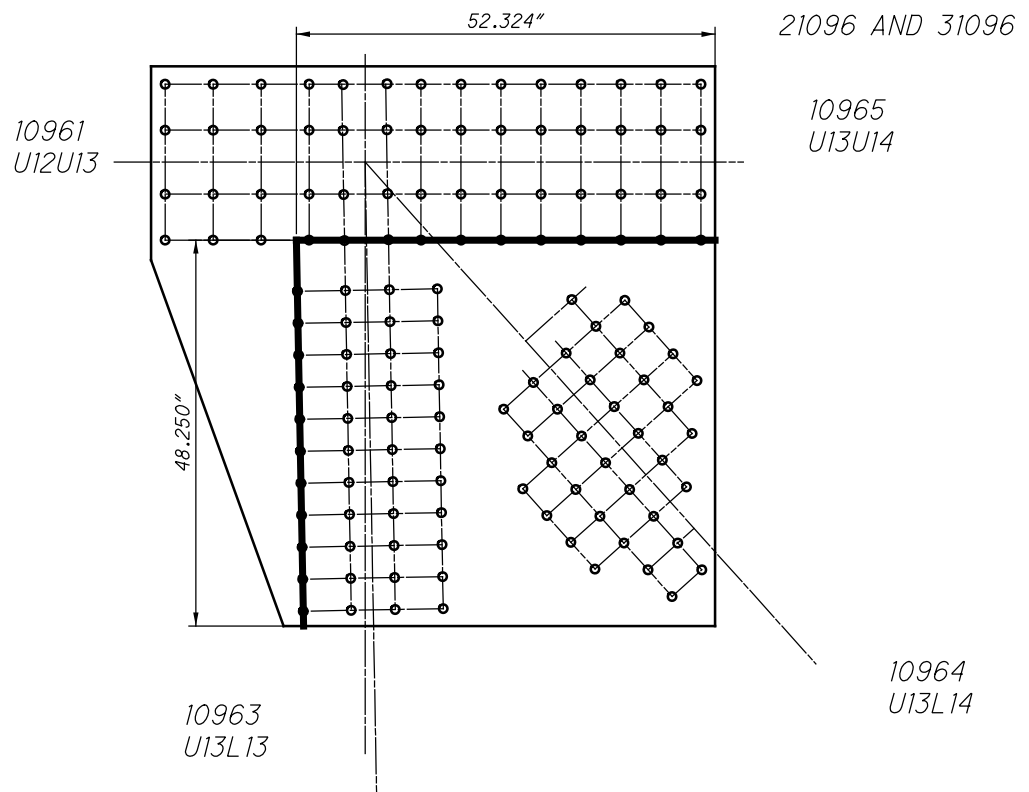
21096 AND 31096



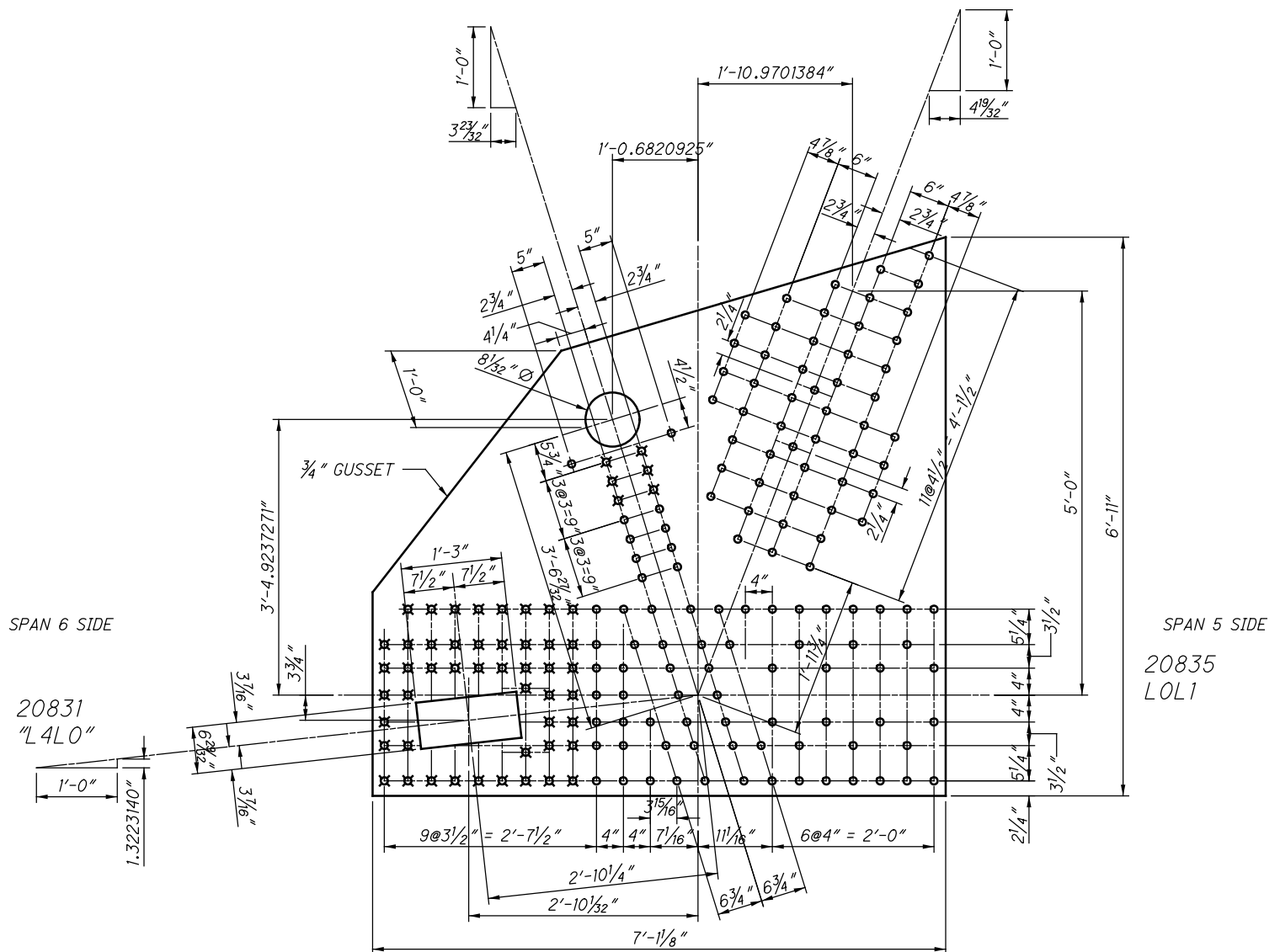
U96 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



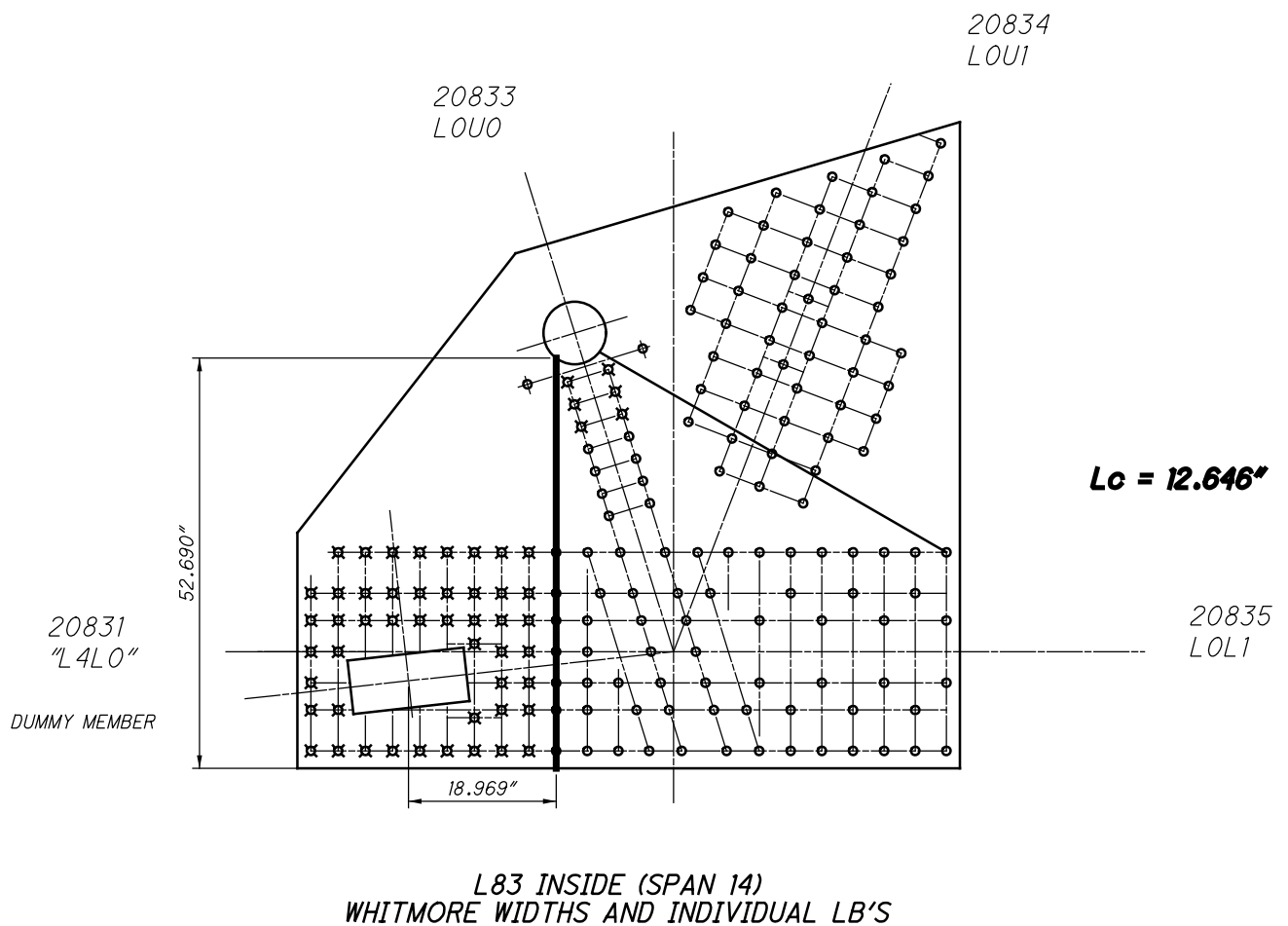
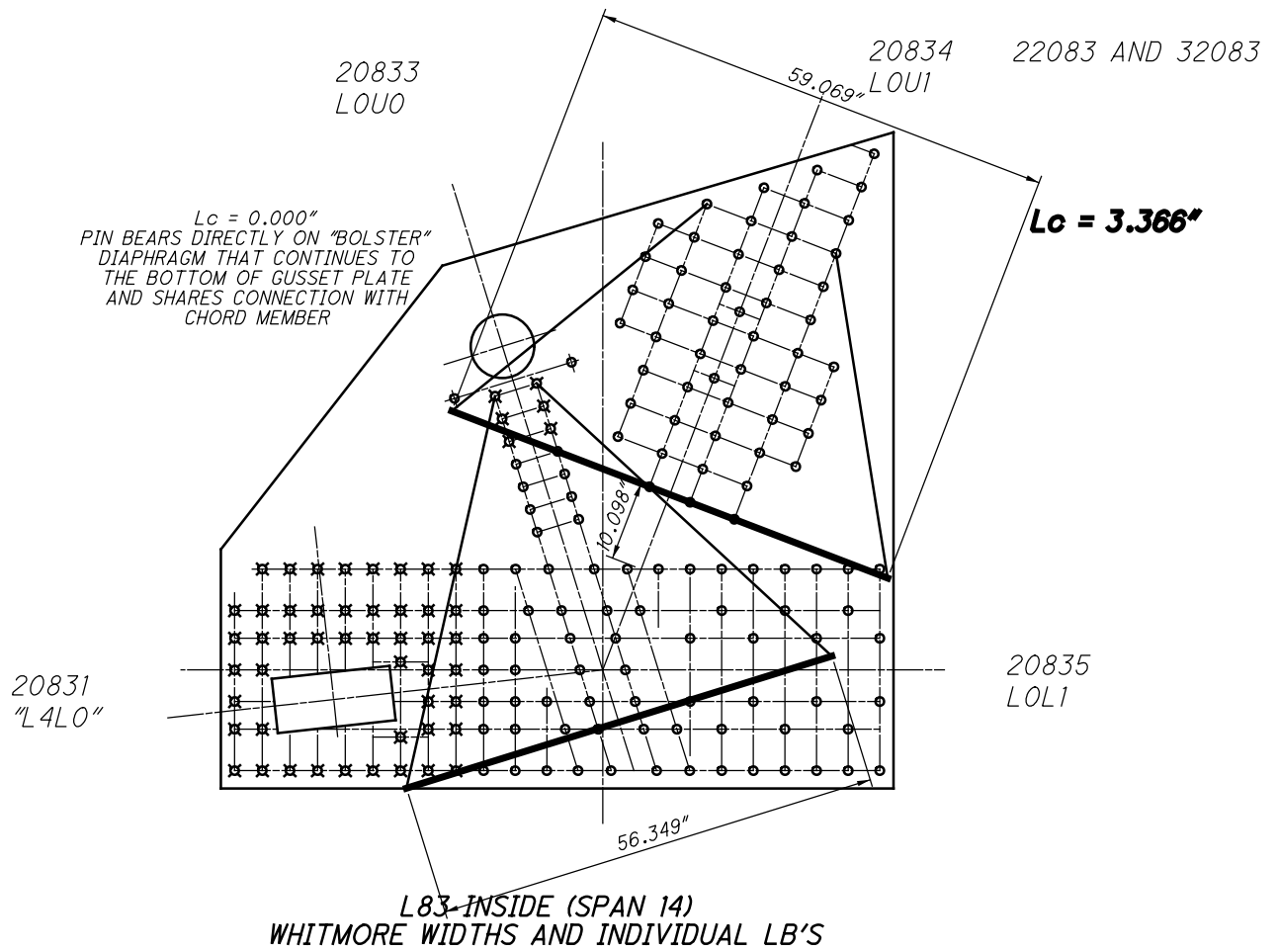
U96 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK



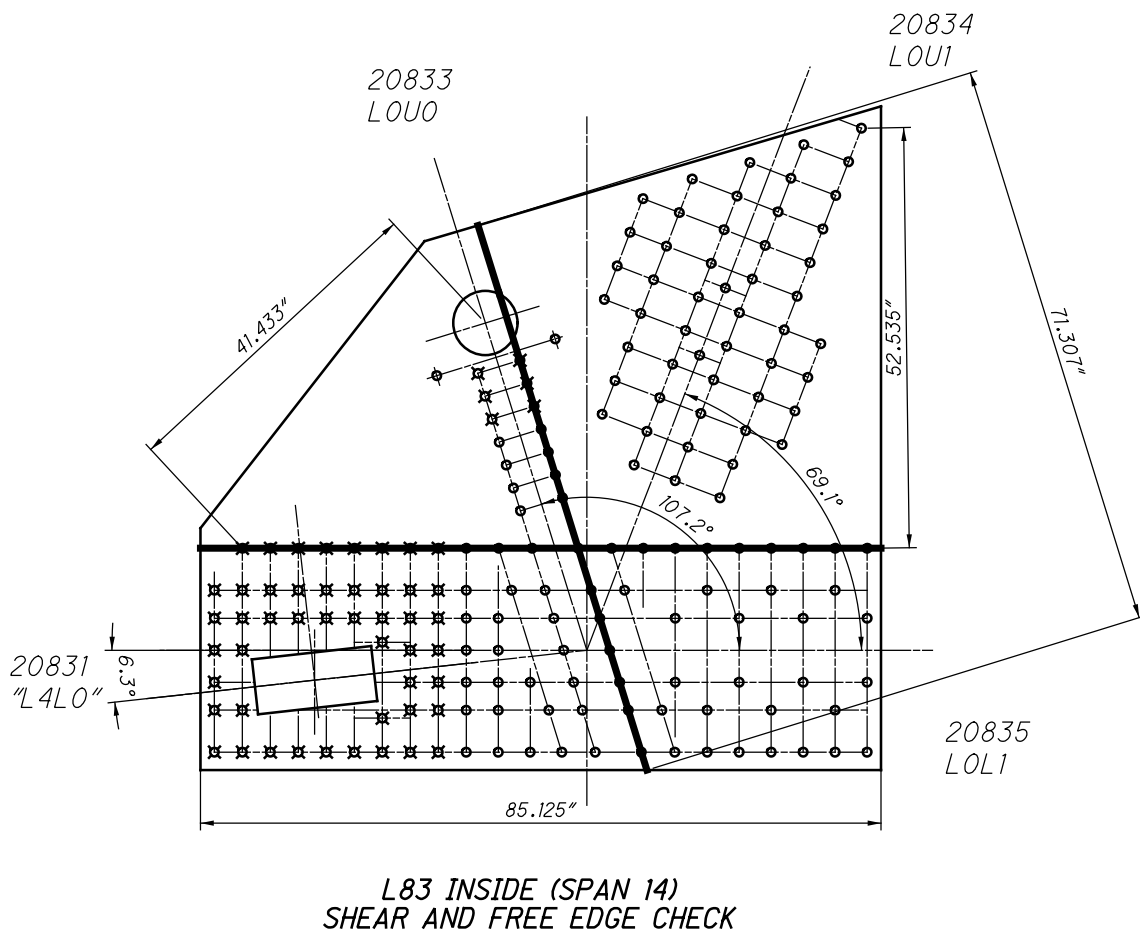
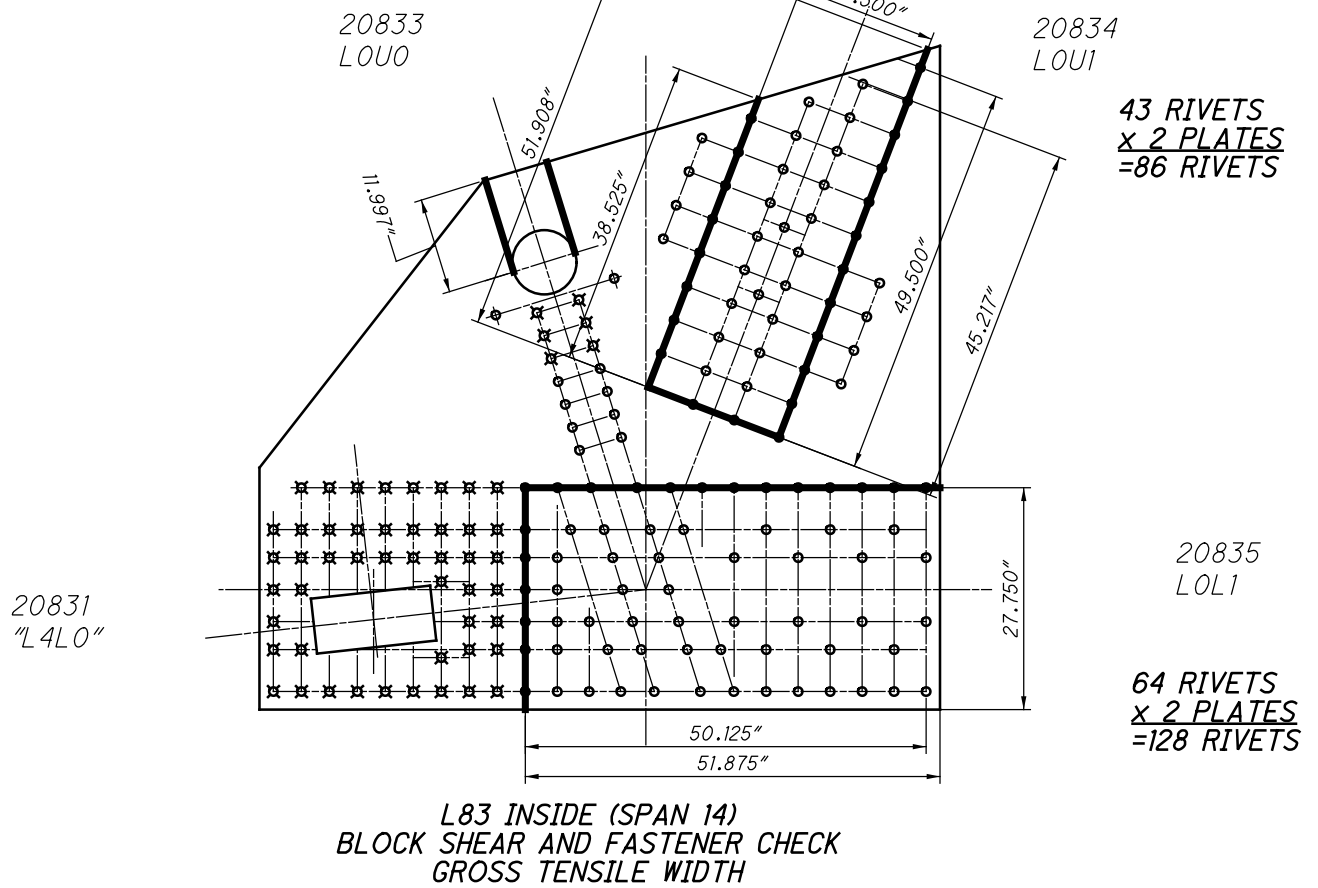
U96 INSIDE (SPAN 14)
QUADRANT DIMENSIONS

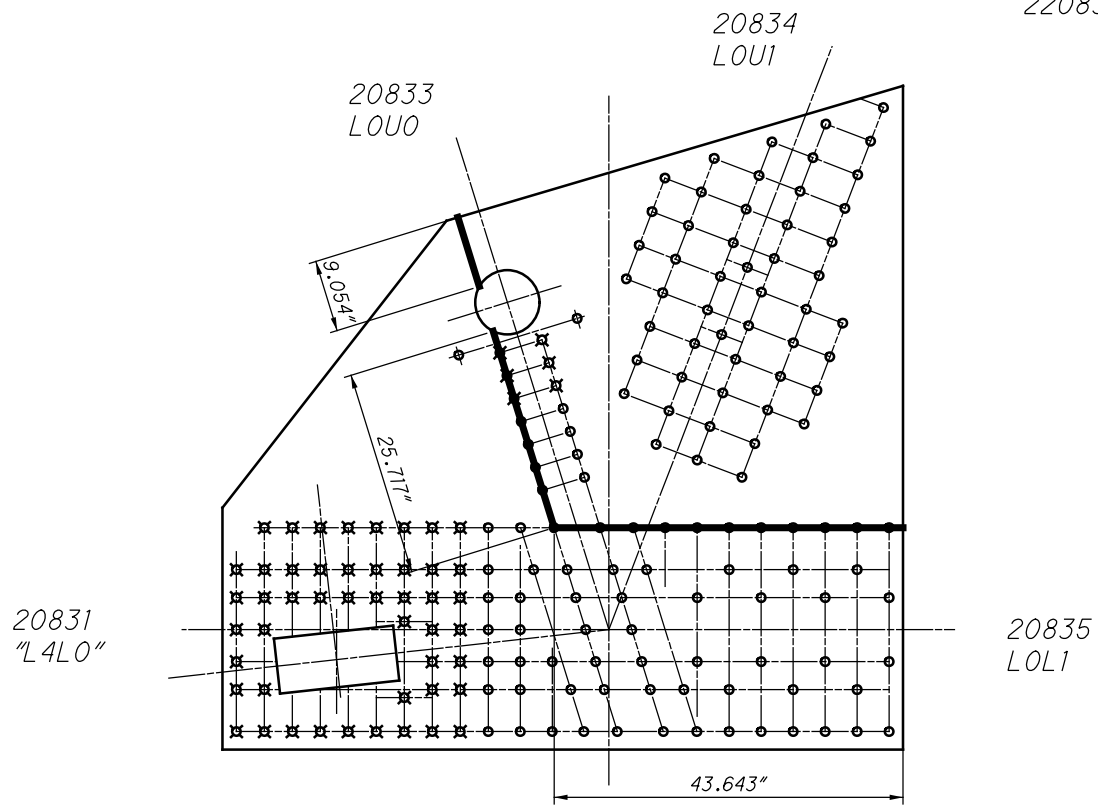


L83 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

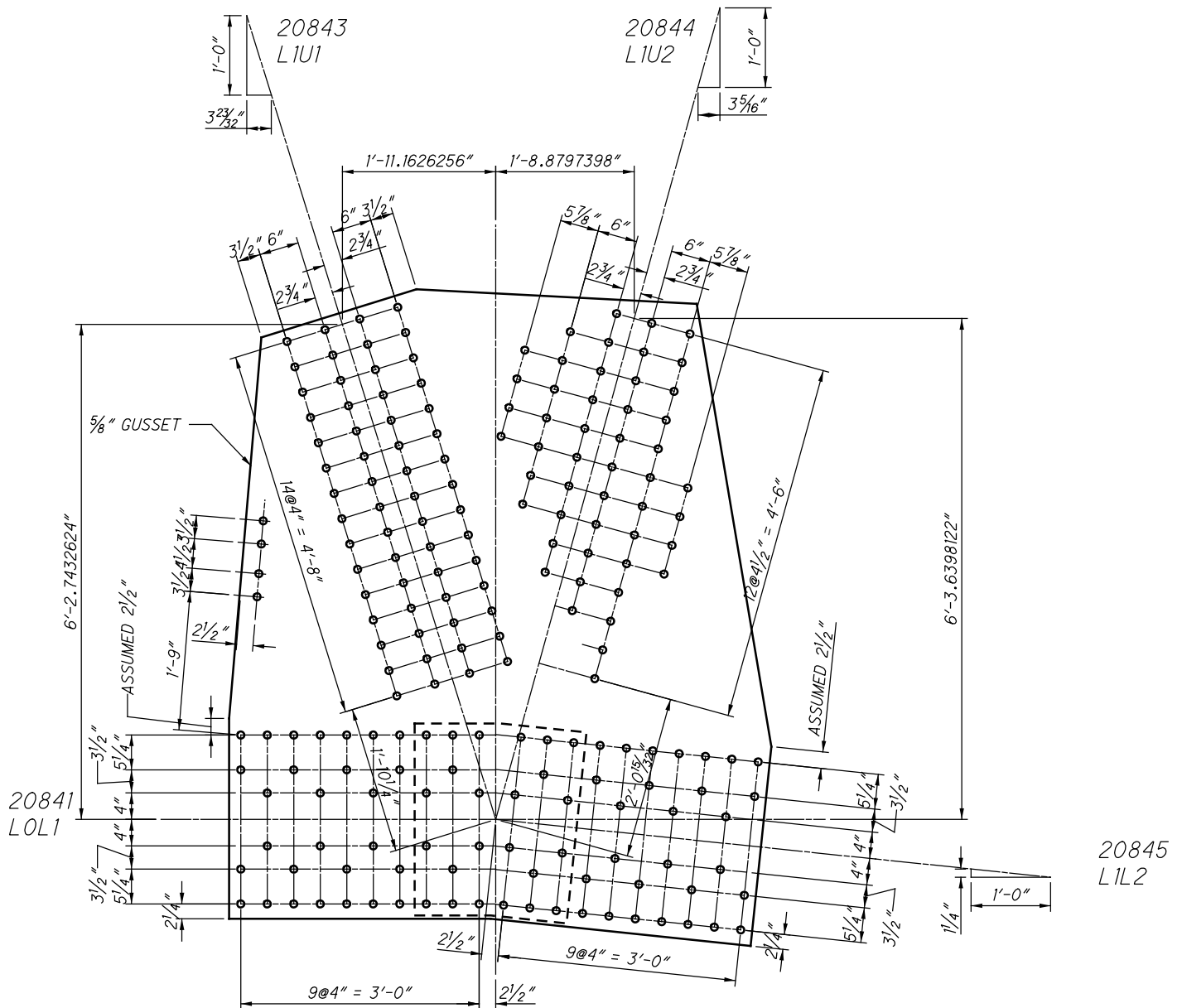


22083 AND 32083



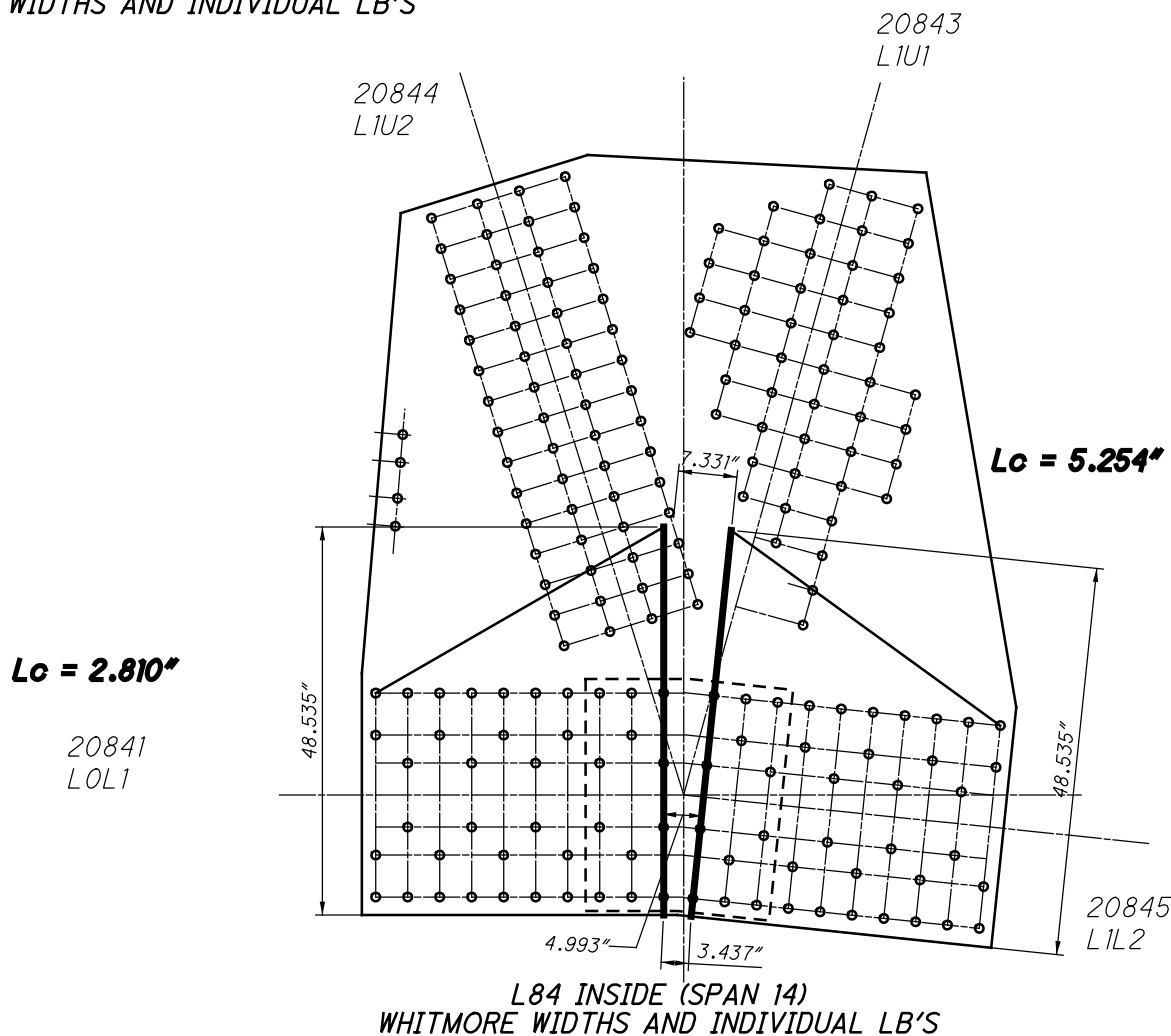
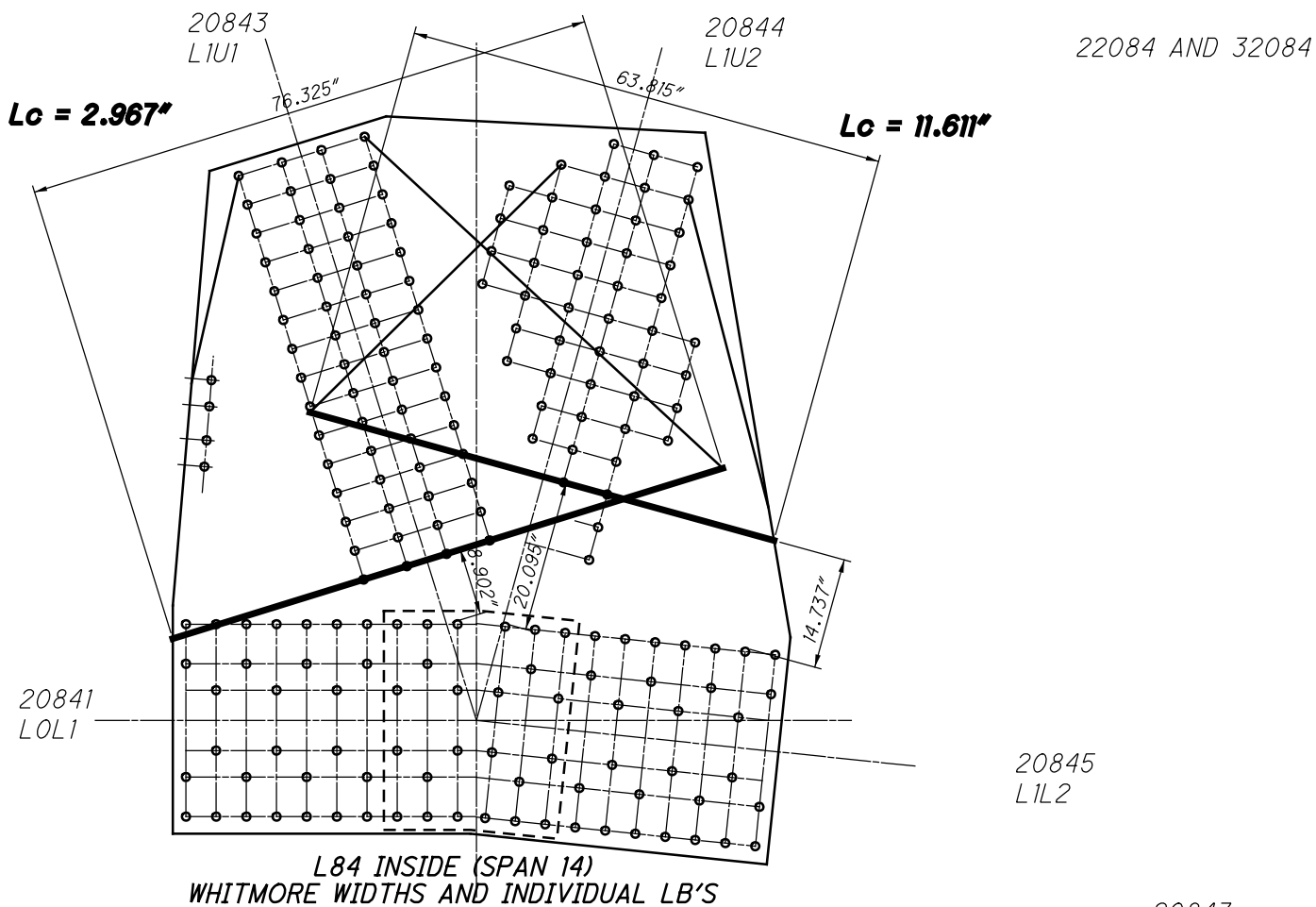


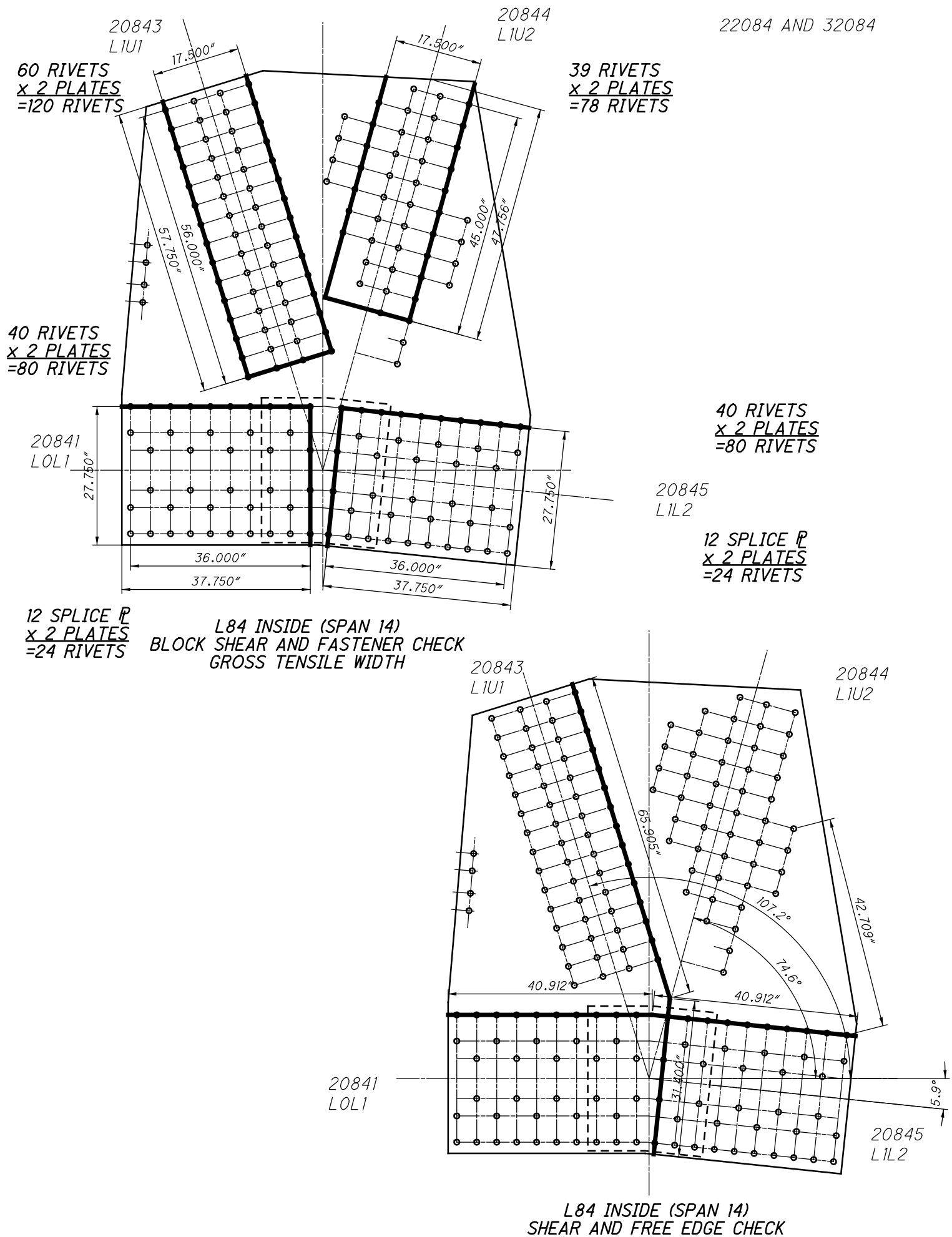
L83 INSIDE (SPAN 14)
QUADRANT DIMENSIONS

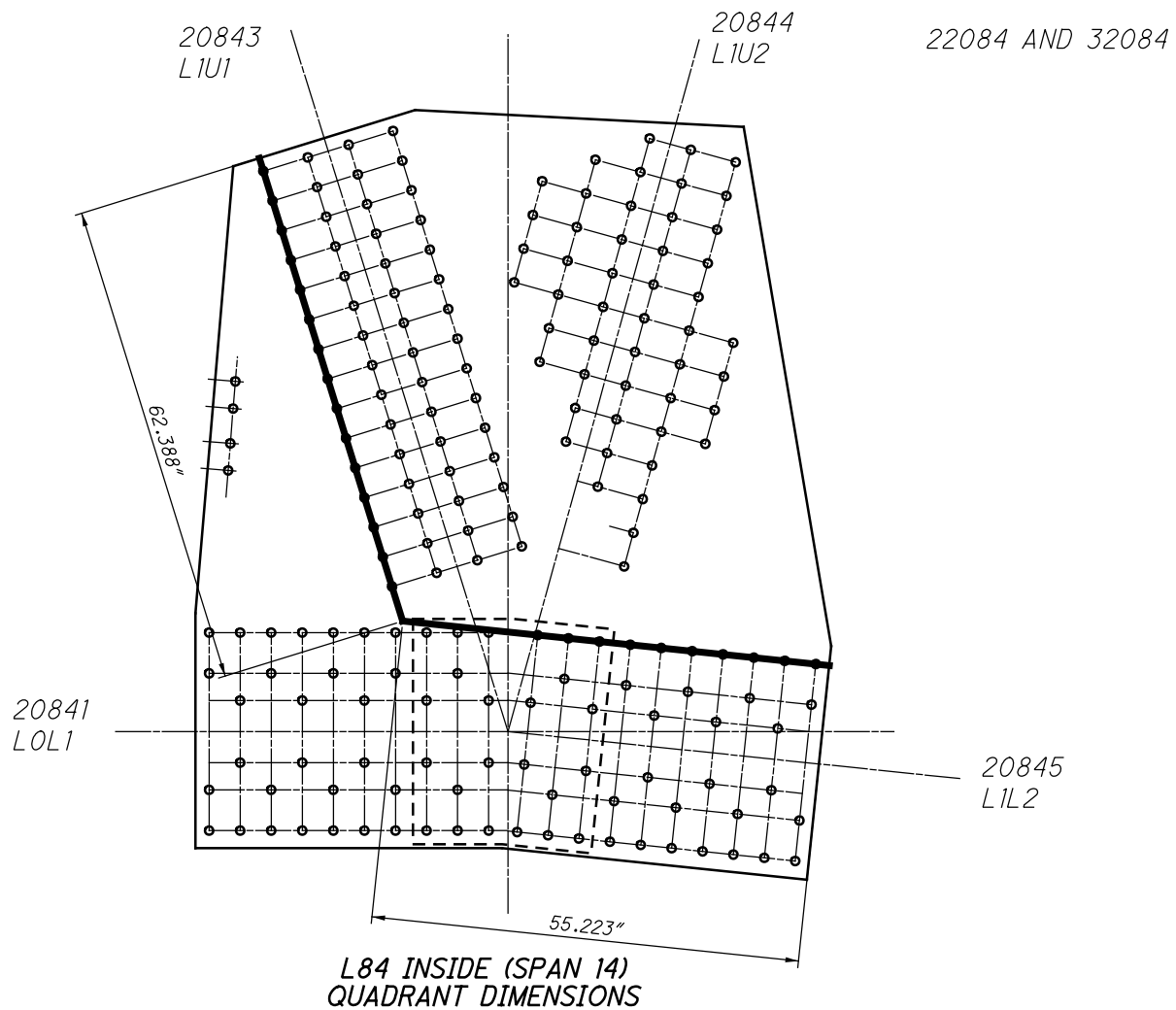


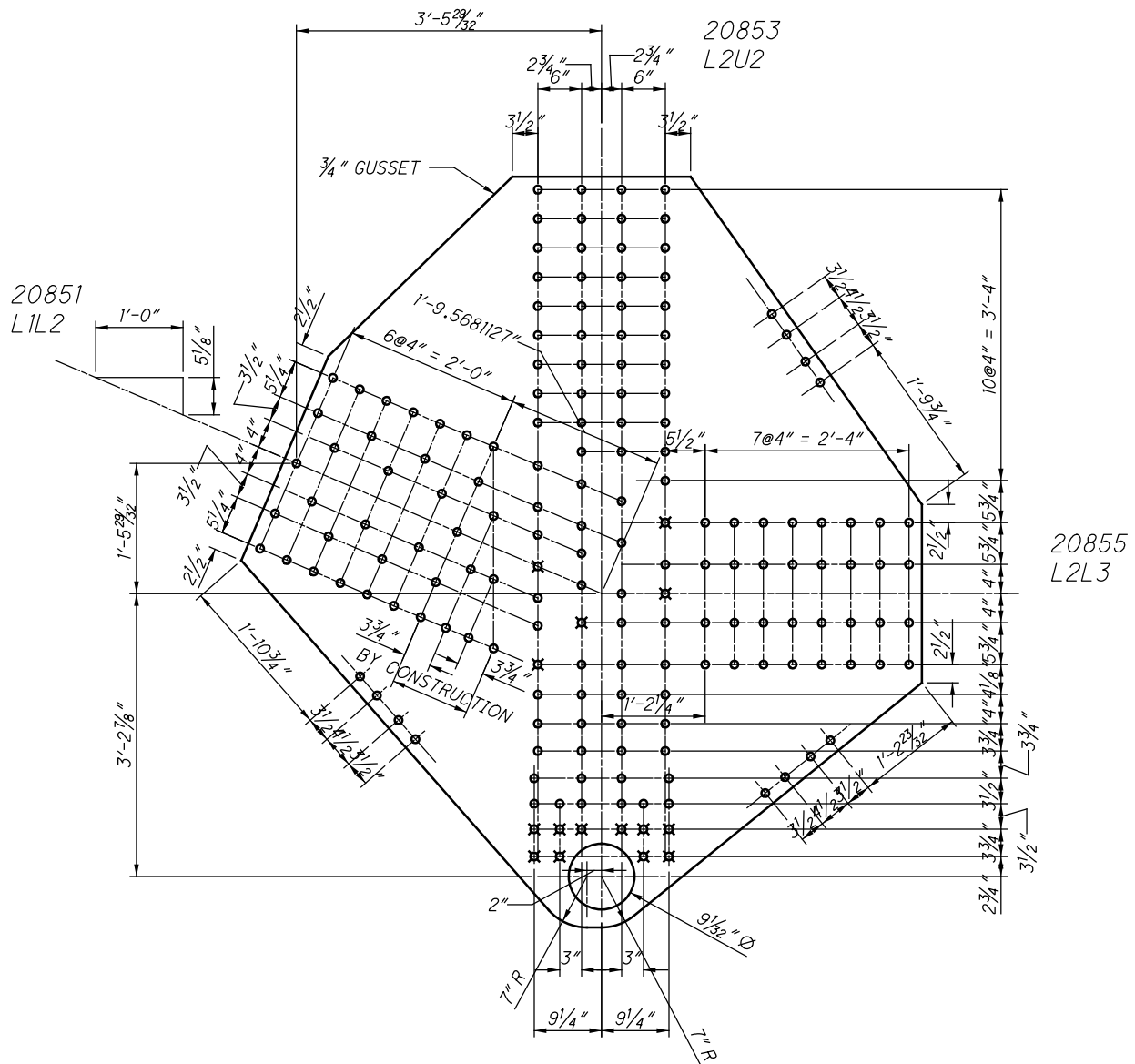
SPLICE PLATE
26" X 3/8" X 2'-5 1/2"

L84 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)









L85 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

20853
L2U2

22085 AND 32085

INTERNAL BOLSTER BEARS ON PIN

$L_c = 0.000"$

20851
L1L2

20855
L2L3

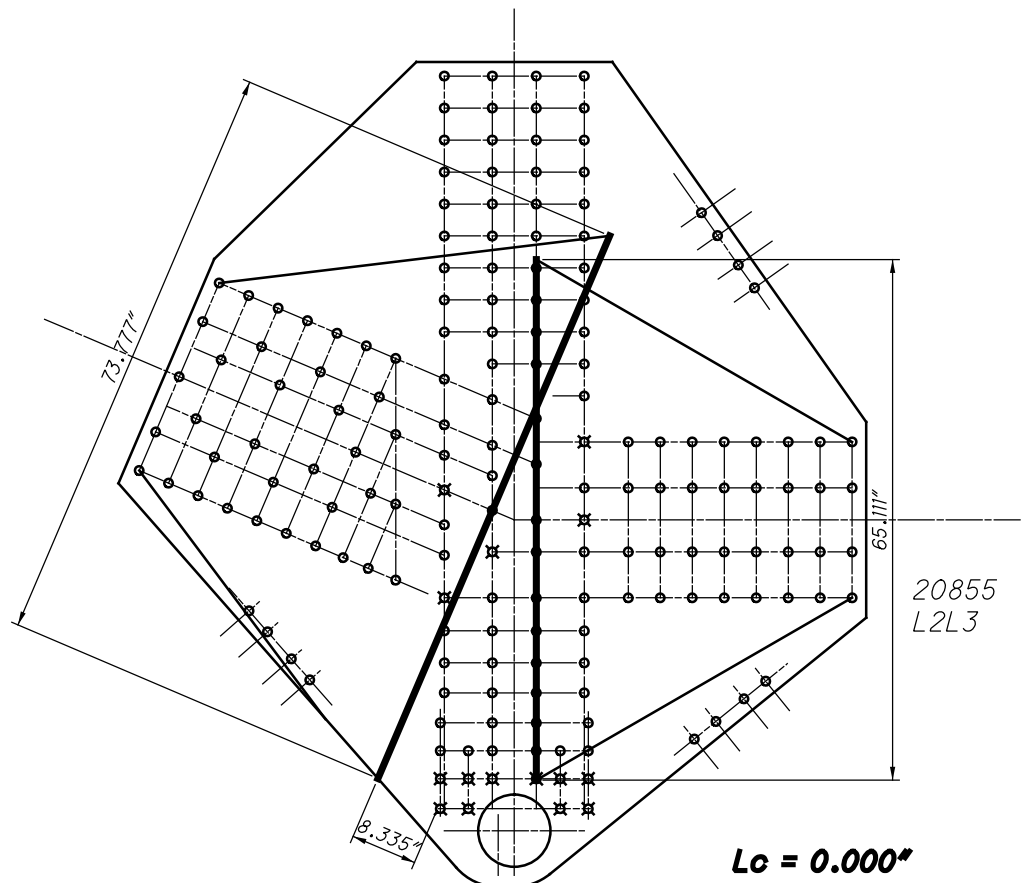
80.925"

L85 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20853
L2U2

20851
L1L2

$L_c = 2.778"$



L85 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

$L_c = 0.000"$

22085 AND 32085

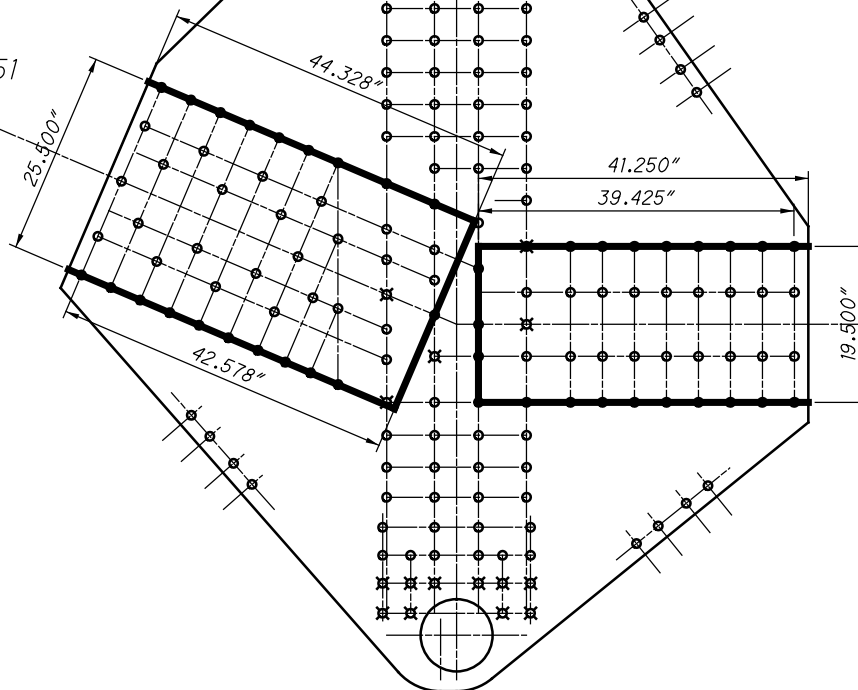
49 RIVETS
x 2 PLATES
=98 RIVETS

20851
L1L2

20853
L2U2

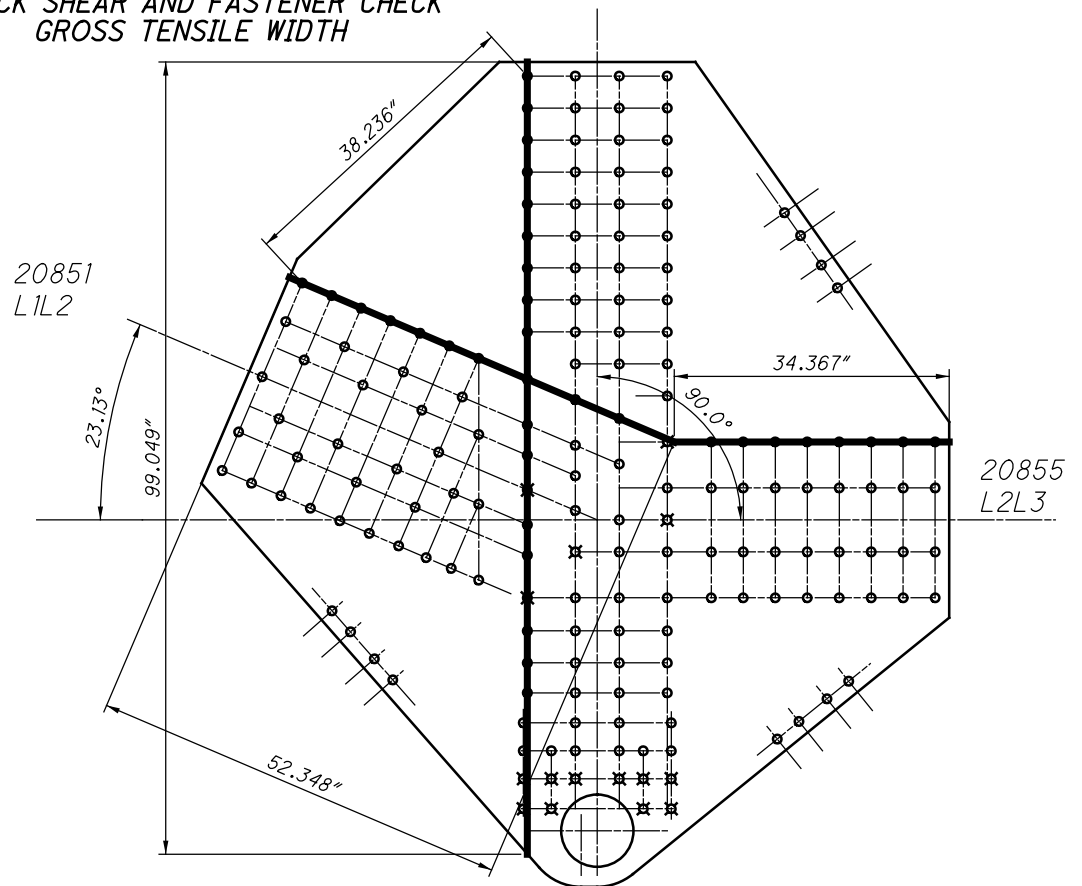
20855
L2L3

41 RIVETS
x 2 PLATES
=82 RIVETS

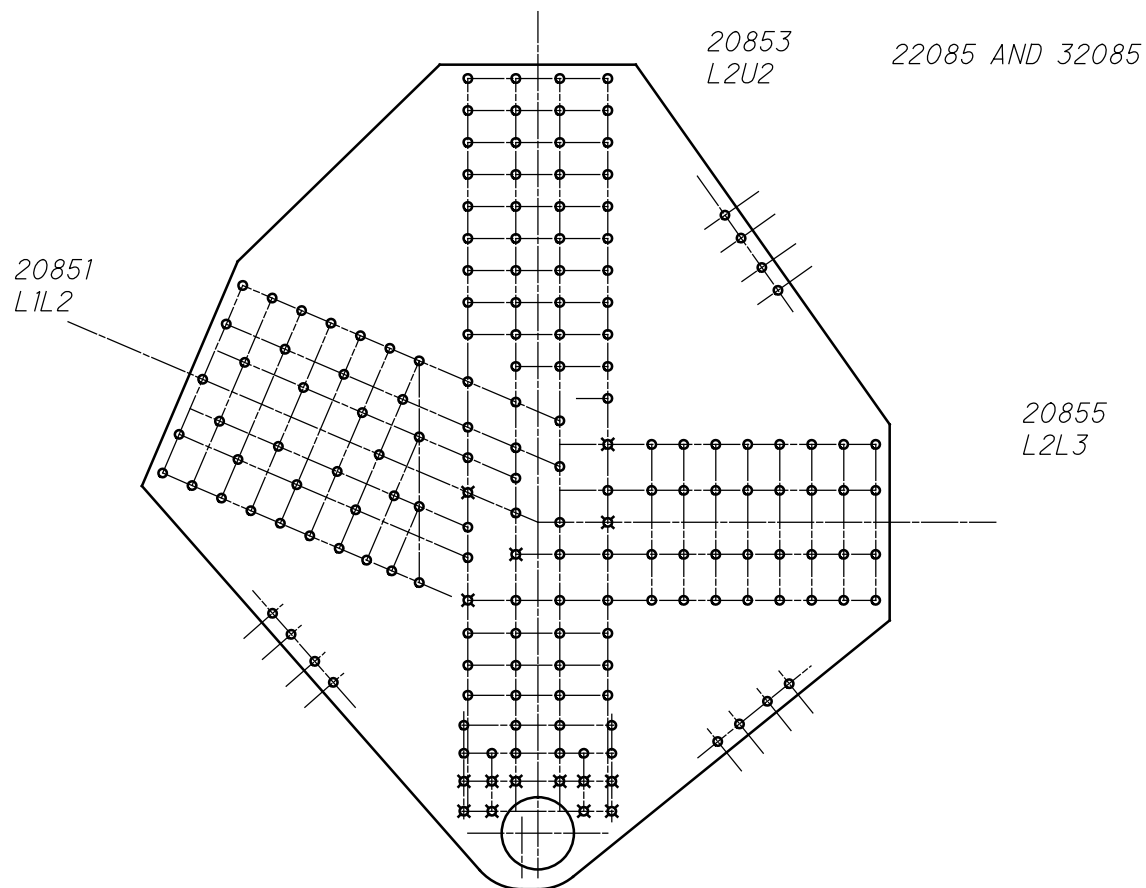


L85 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

20853
L2U2

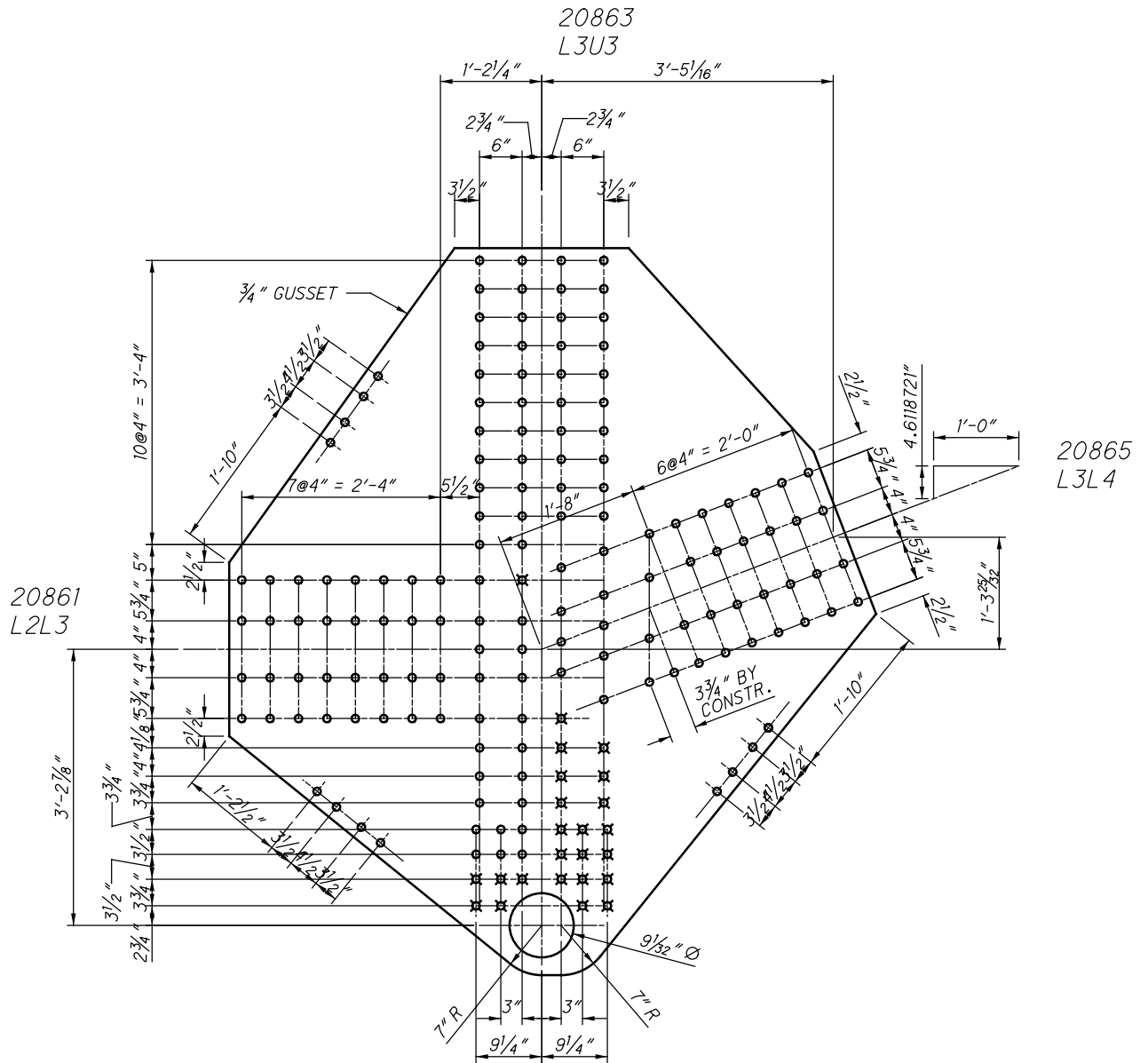


L85 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK



**L85 INSIDE (SPAN 14)
QUADRANT DIMENSIONS**

VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORDS ARE IN COMPRESSION



L86 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

20863
L3U3

22086 AND 32086

INTERNAL BOLSTER BEARS ON PIN

$L_c = 0.000"$

20865
L3L4

20861
L2L3

20863
L3U3

79.220"

L86 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20865
L3L4

20861
L2L3

$L_c = 0.000"$

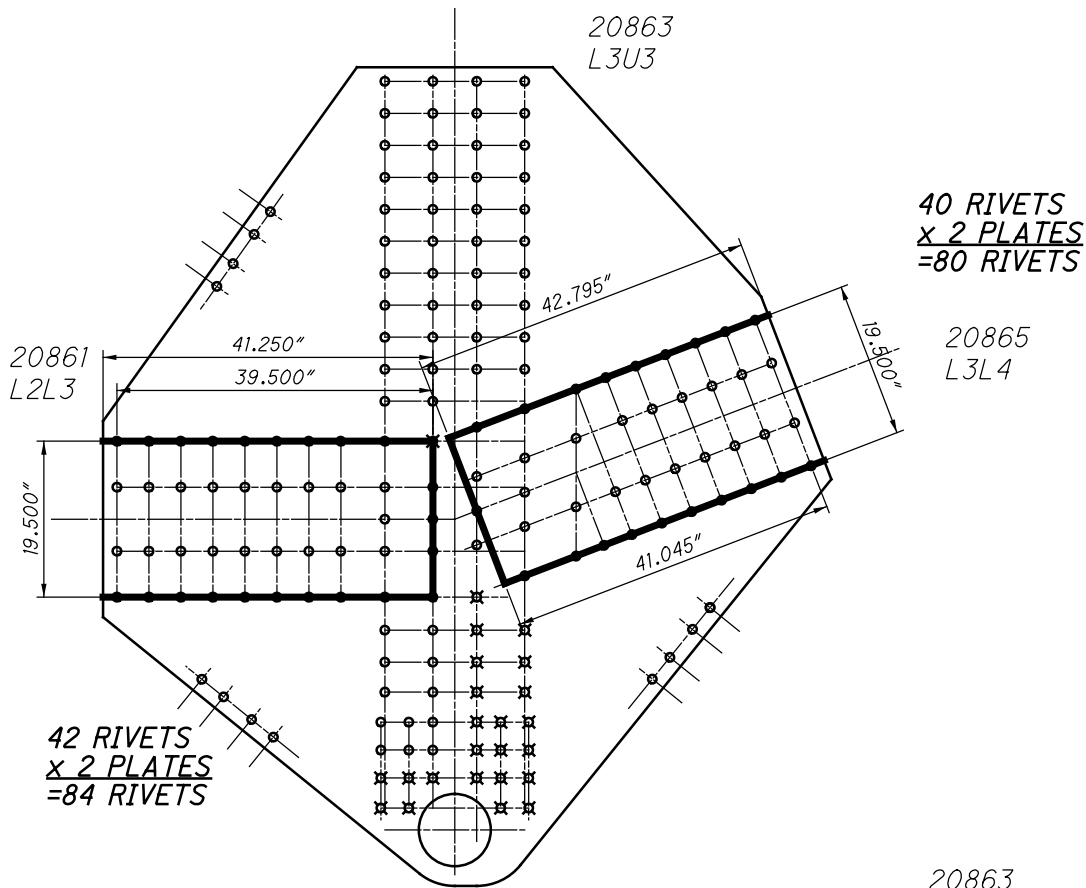
65.111"

66.894"

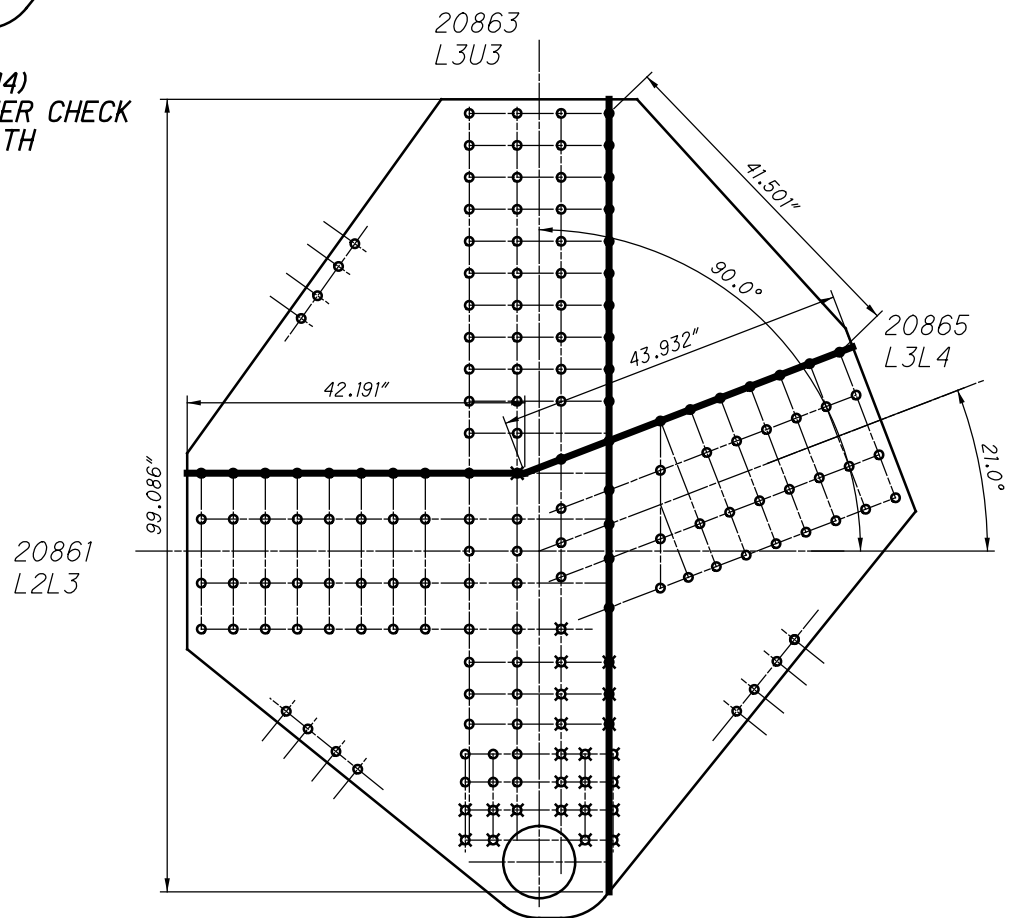
$L_c = 1.801"$

9.403"

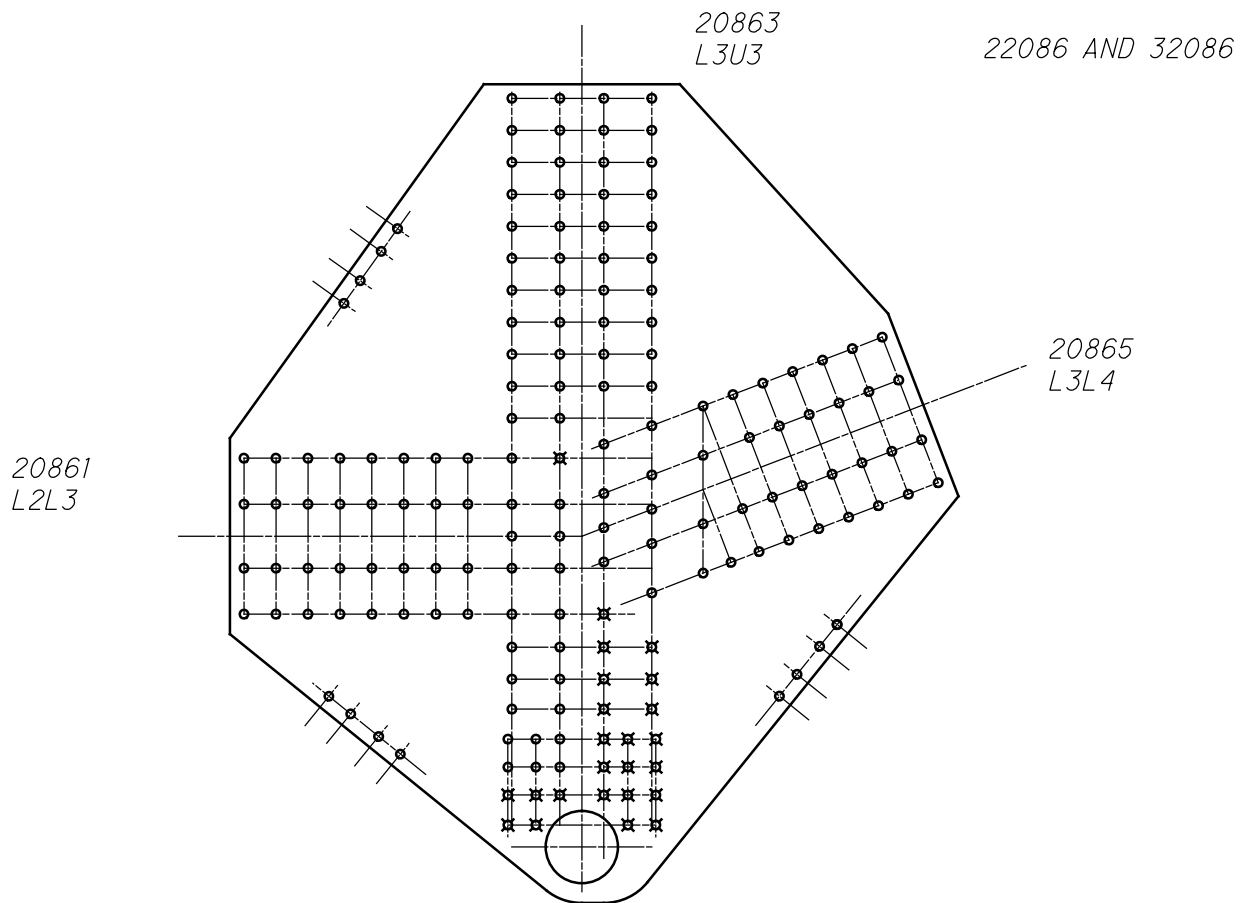
L86 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L86 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

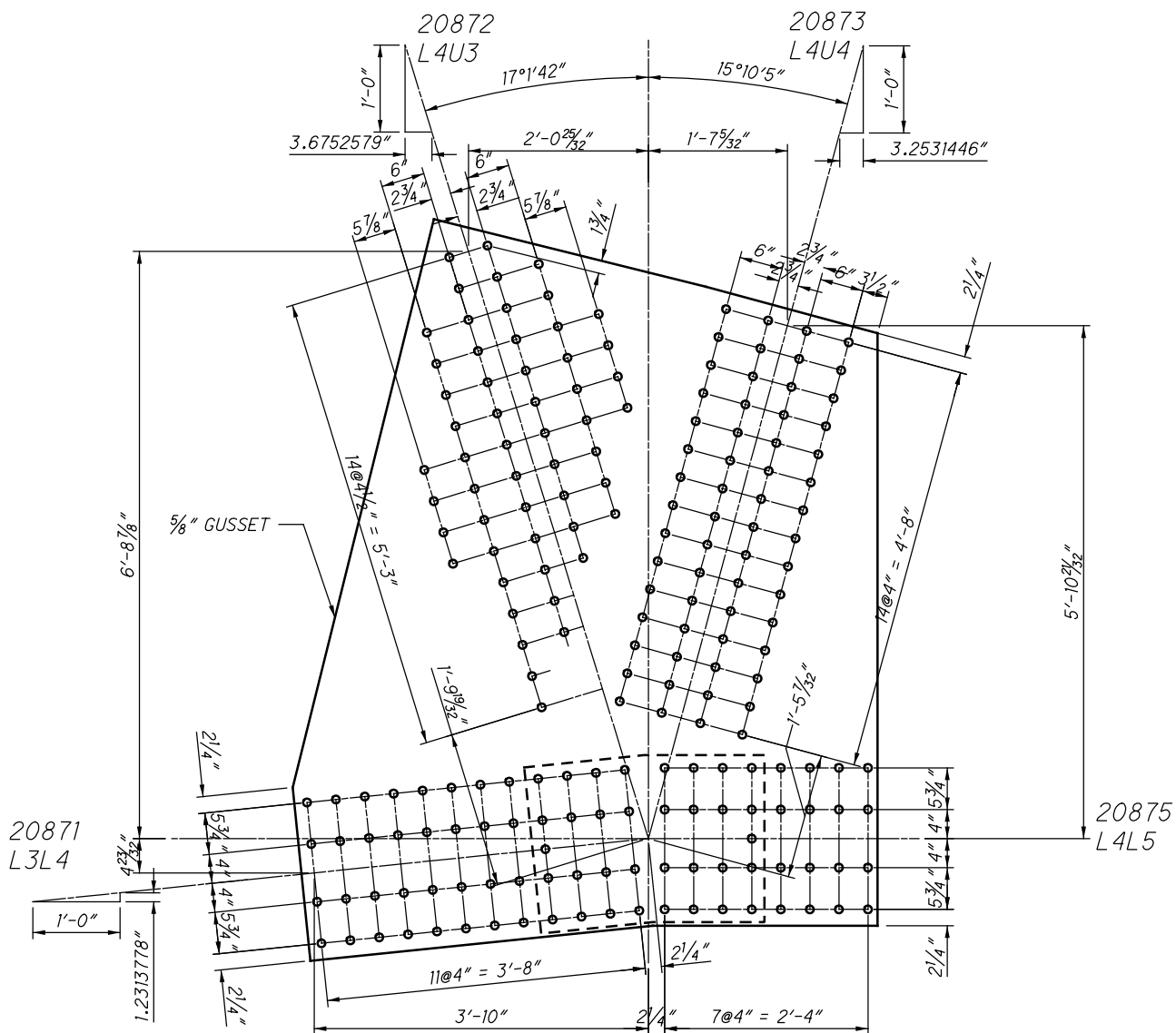


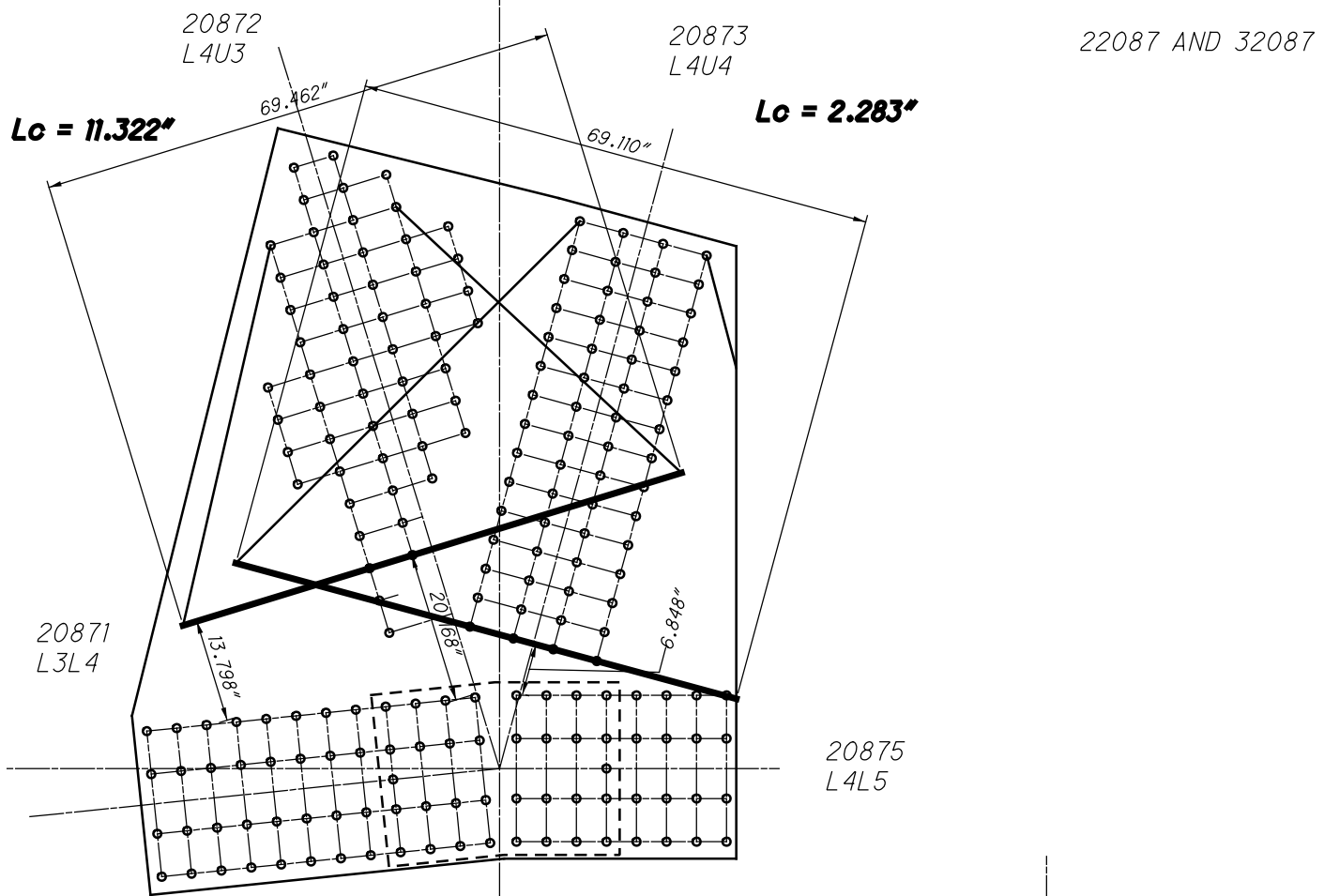
L86 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK



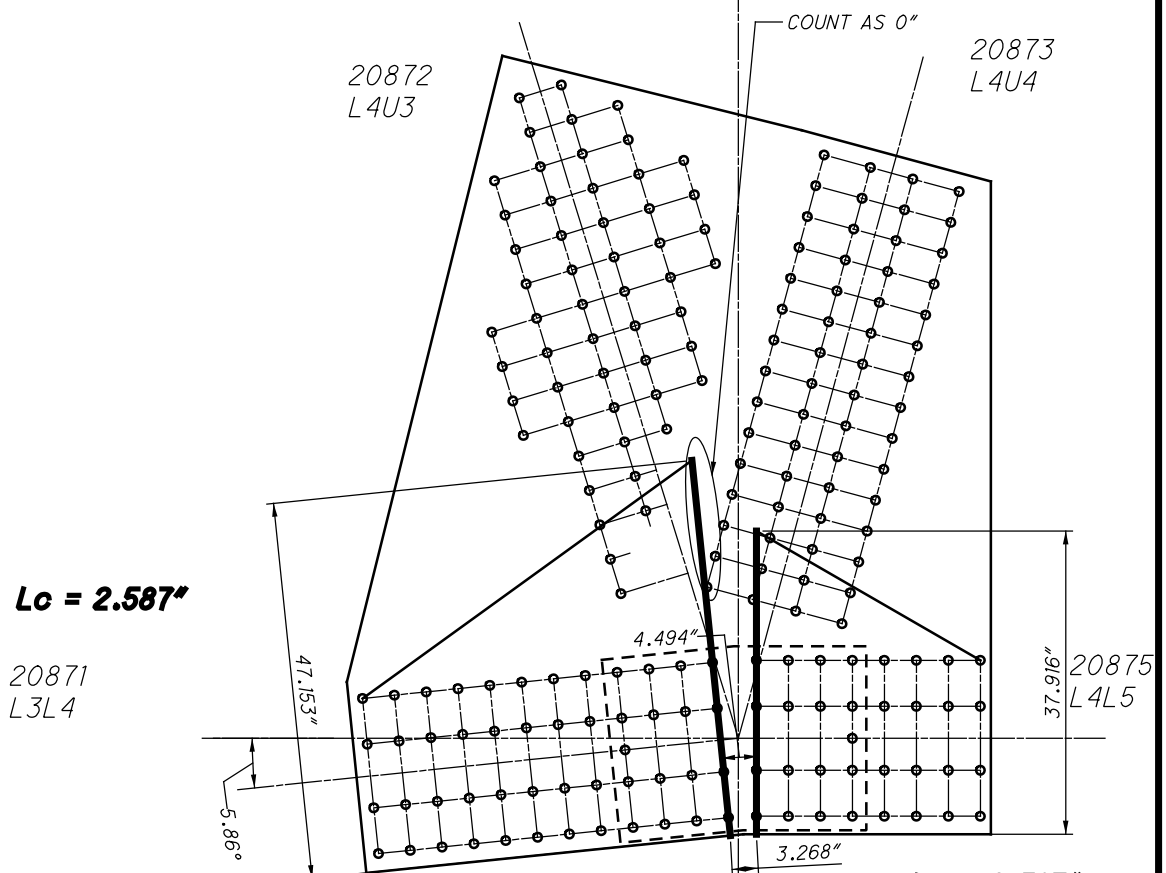
**L86 INSIDE (SPAN 14)
QUADRANT DIMENSIONS**

VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORDS ARE IN COMPRESSION





L87 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L87 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

22087 AND 32087

46 RIVETS
x 2 PLATES
=92 RIVETS

20872
L4U3

20873
L4U4

60 RIVETS
x 2 PLATES
=120 RIVETS

49 RIVETS
x 2 PLATES
=98 RIVETS

20871
L3L4

20875
L4L5

33 RIVETS
x 2 PLATES
=66 RIVETS

17 SPLICE P
x 2 PLATES
=34 RIVETS

17 SPLICE P
x 2 PLATES
=34 RIVETS

L87 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

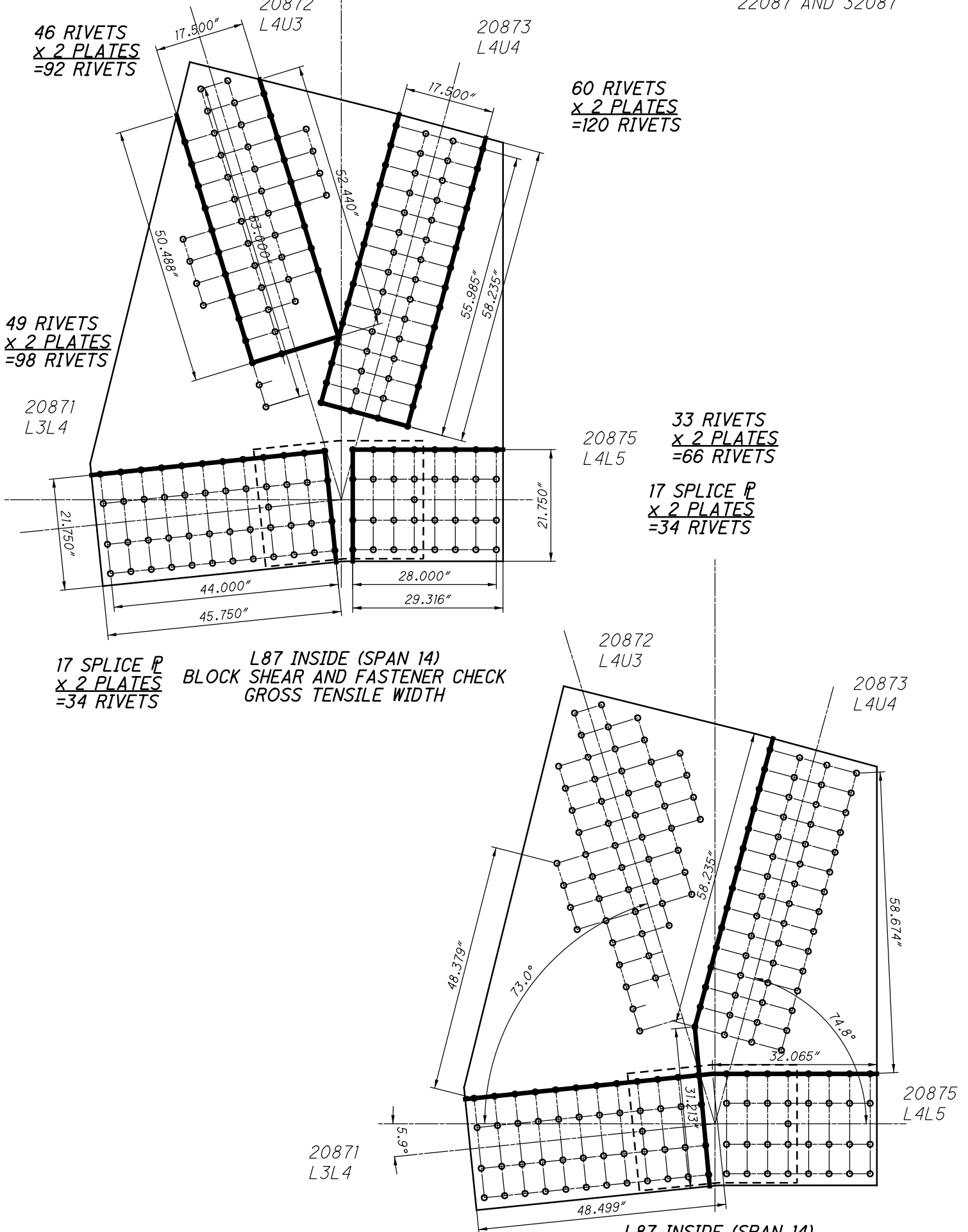
20871
L3L4

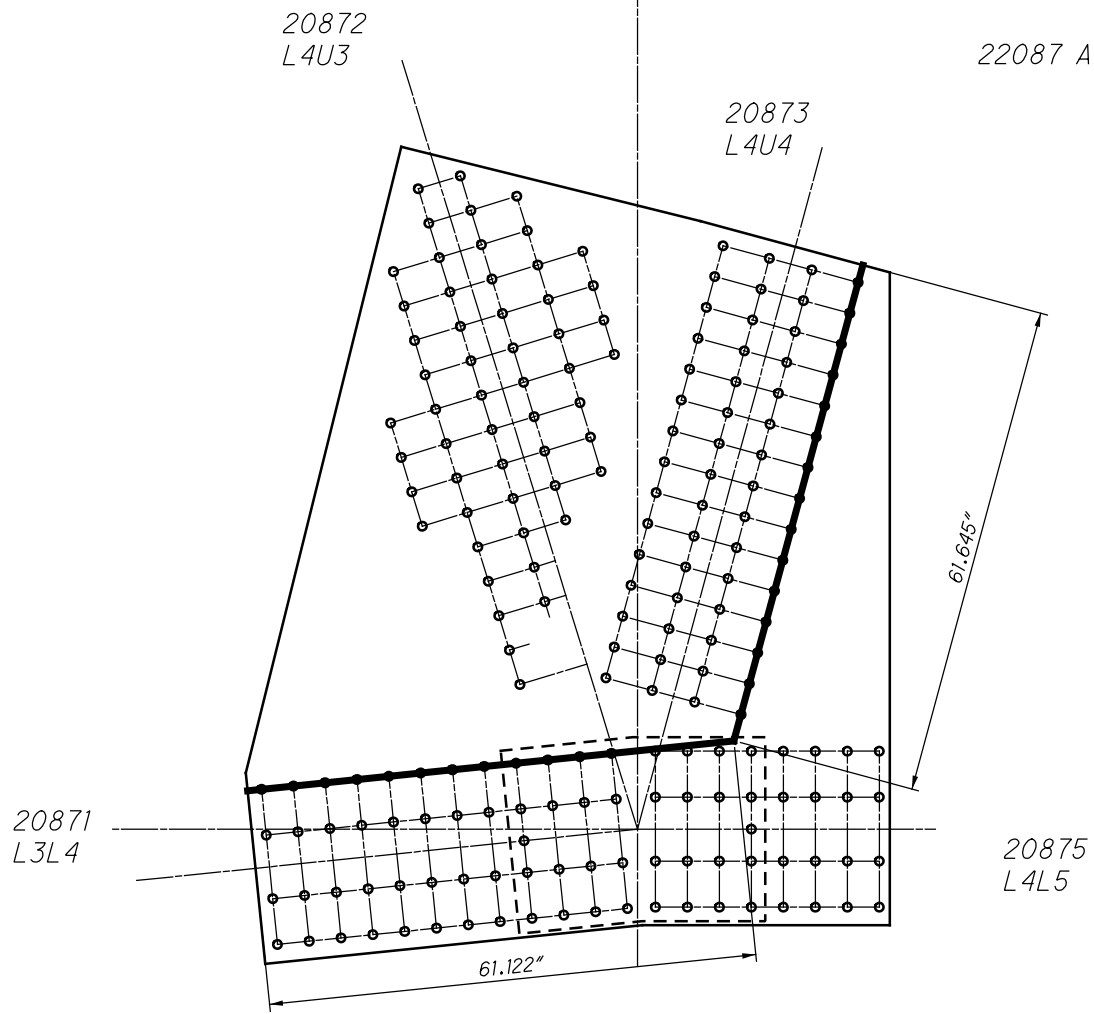
20872
L4U3

20873
L4U4

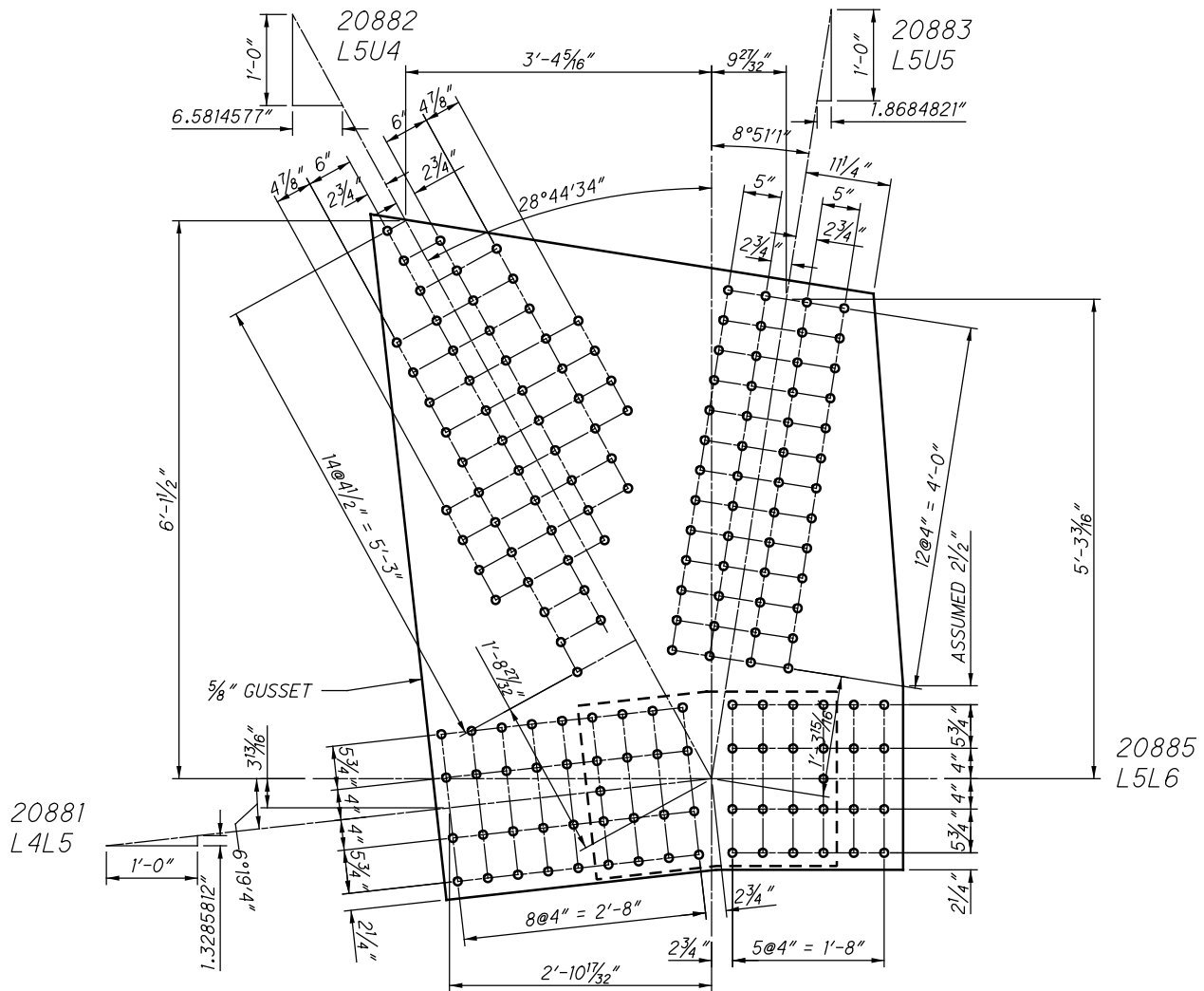
20875
L4L5

L87 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK





L87 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



SPLICE PLATE
24" X 3/8" X 2'-10 3/16"

L88 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

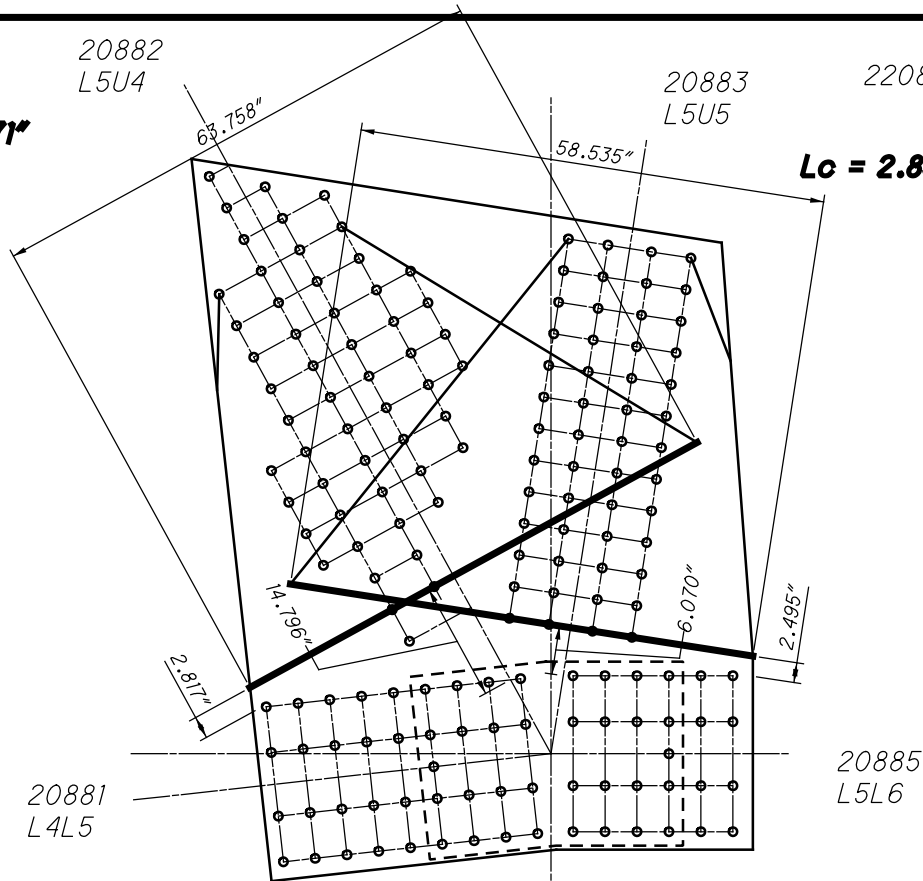
$L_c = 5.871''$

20882
L5U4

20883
L5U5

22088 AND 32088

$L_c = 2.855''$



**L88 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 3.220''$

20882
L5U4

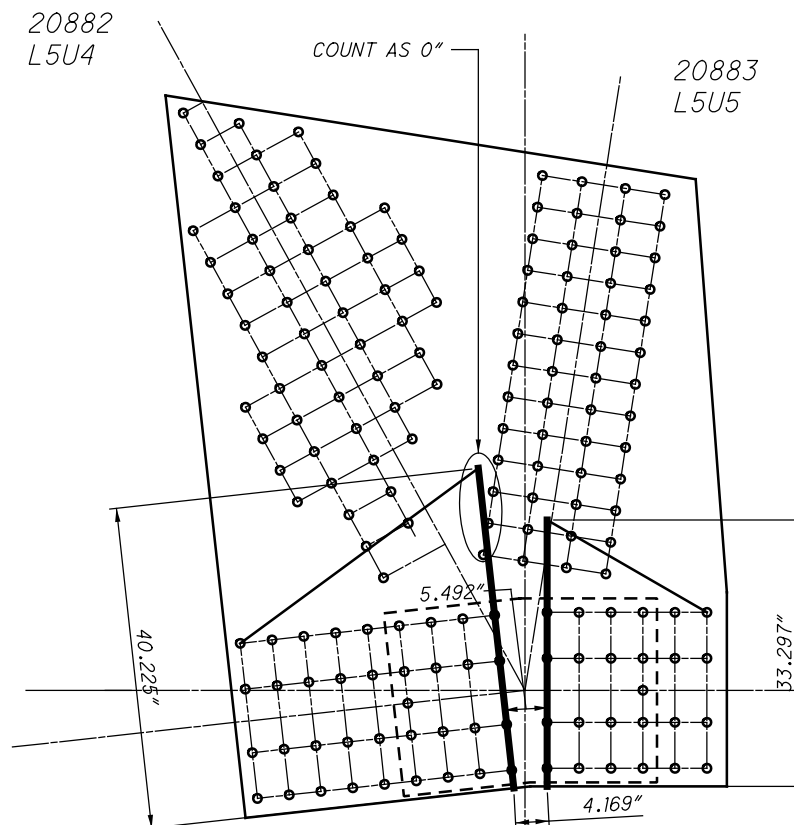
COUNT AS 0"

20883
L5U5

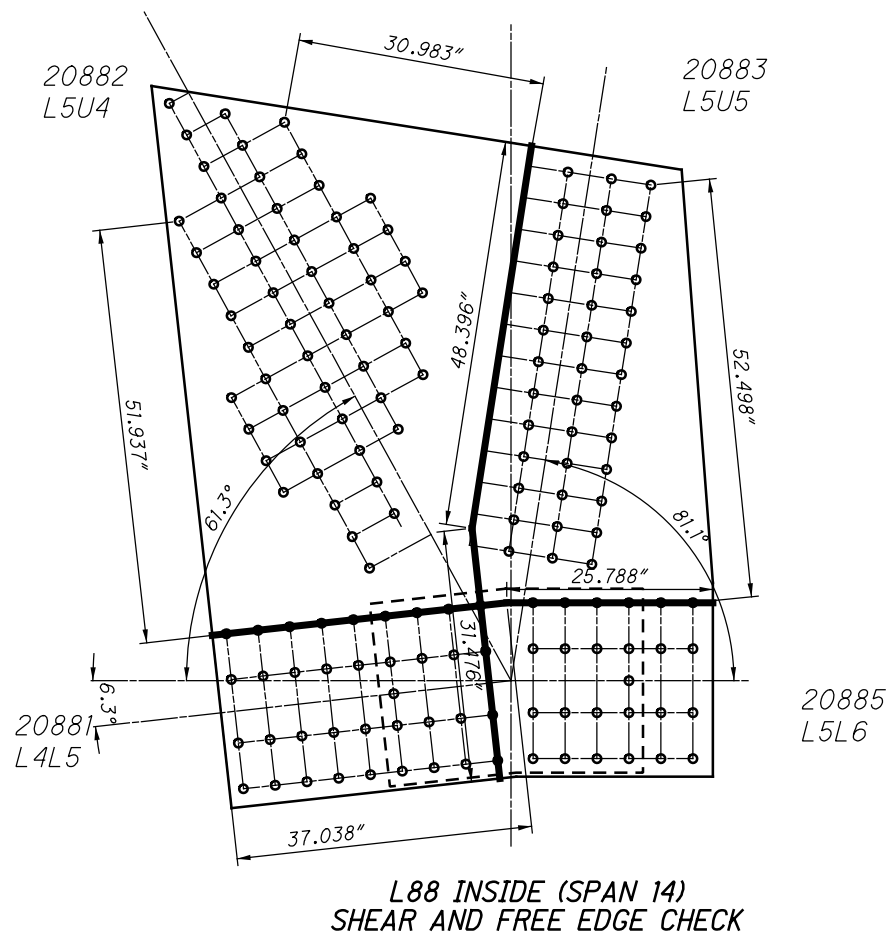
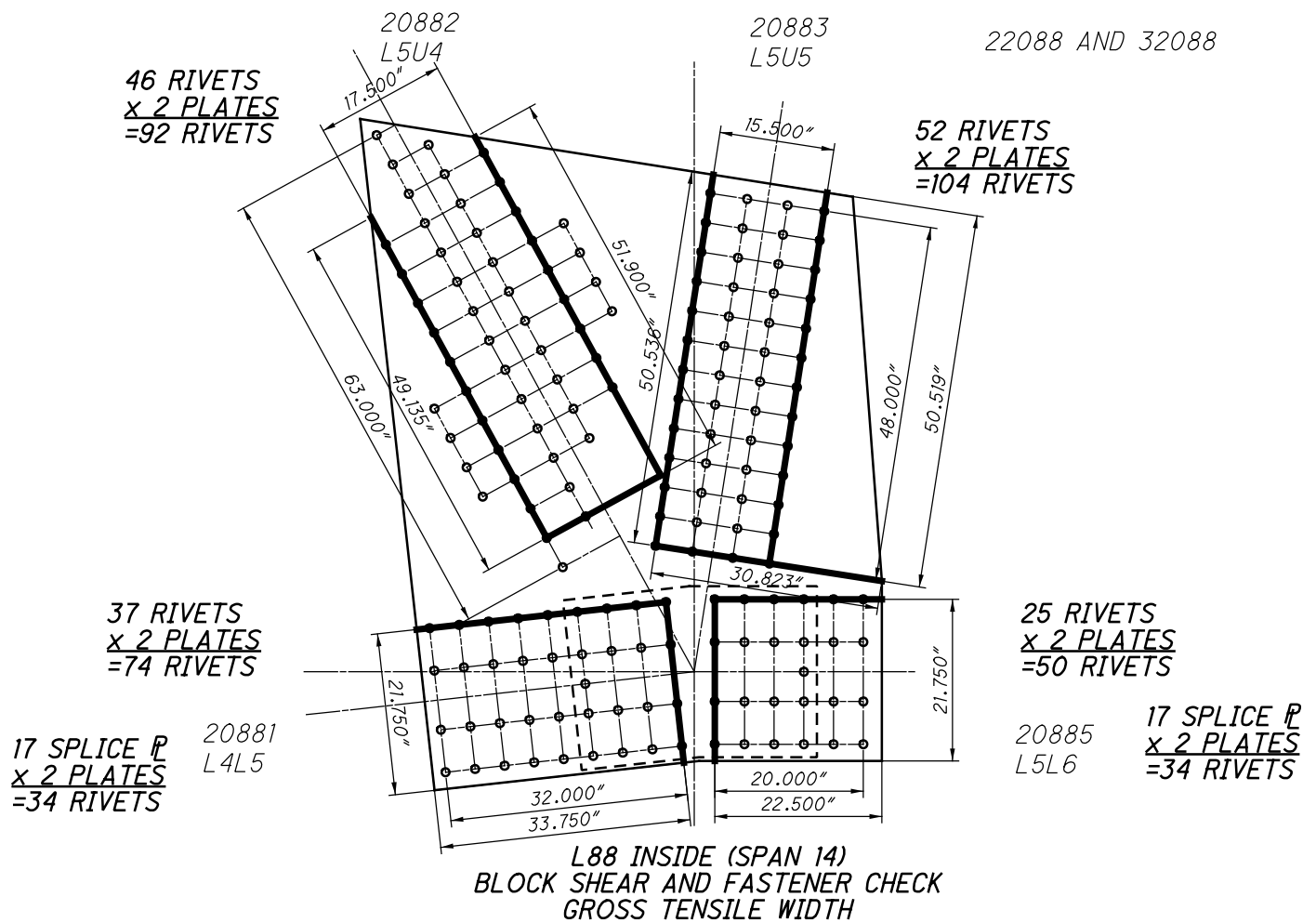
$L_c = 3.220''$

20881
L4L5

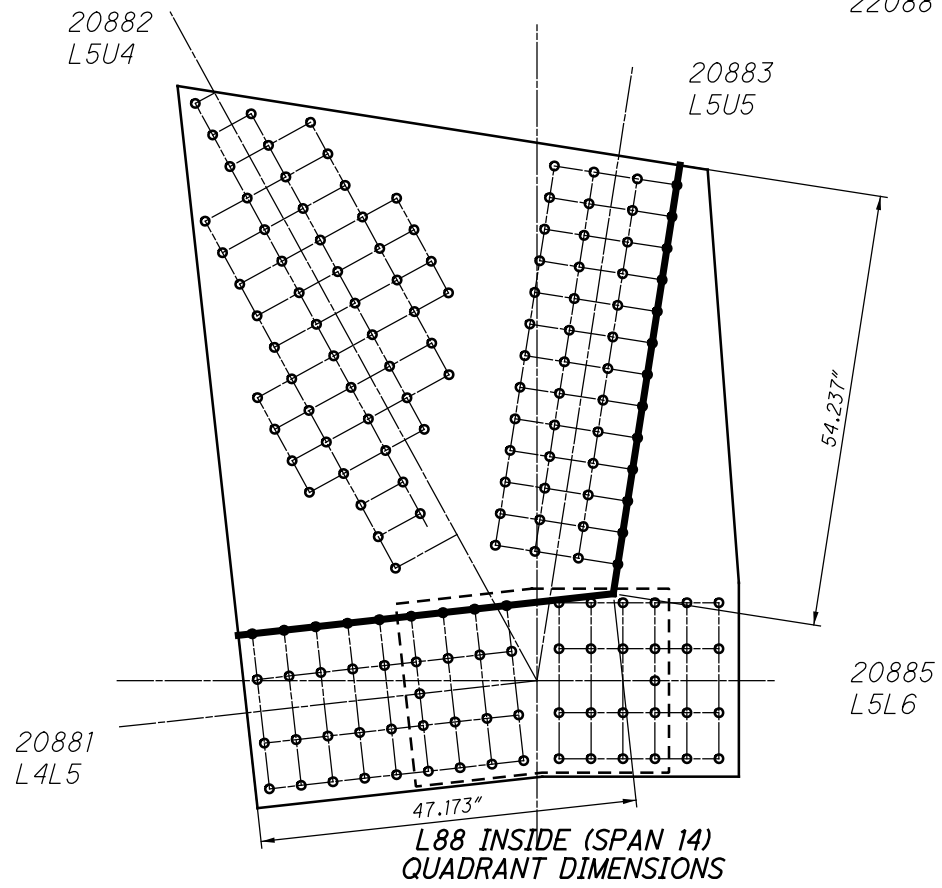
20885
L5L6

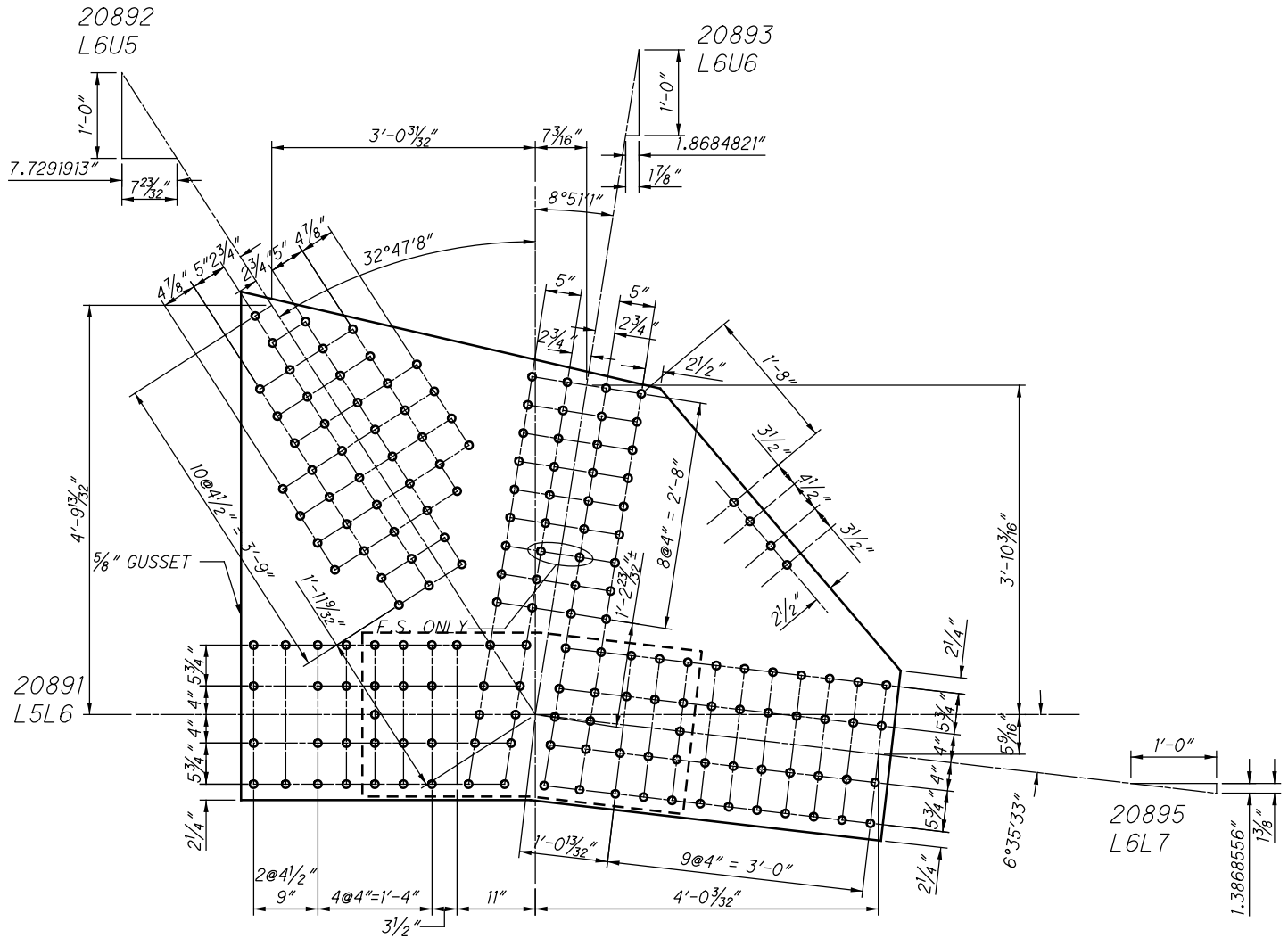


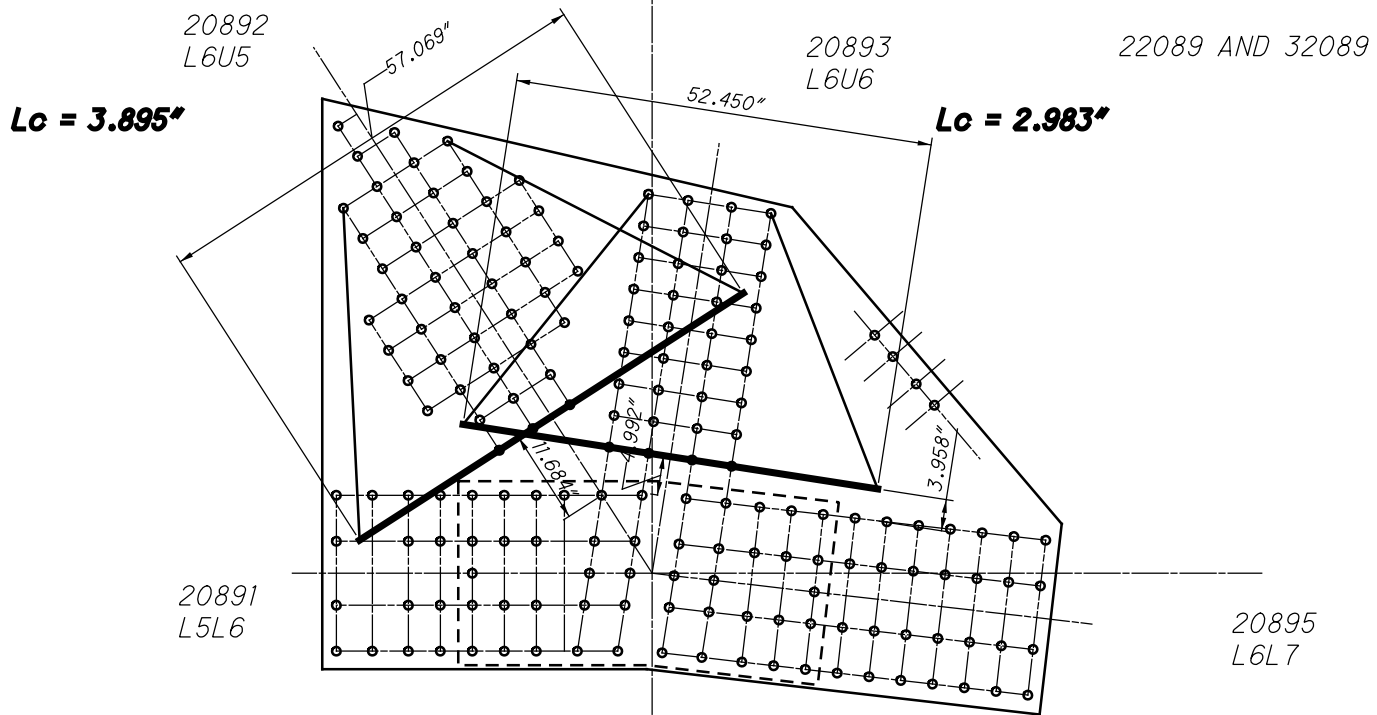
**L88 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



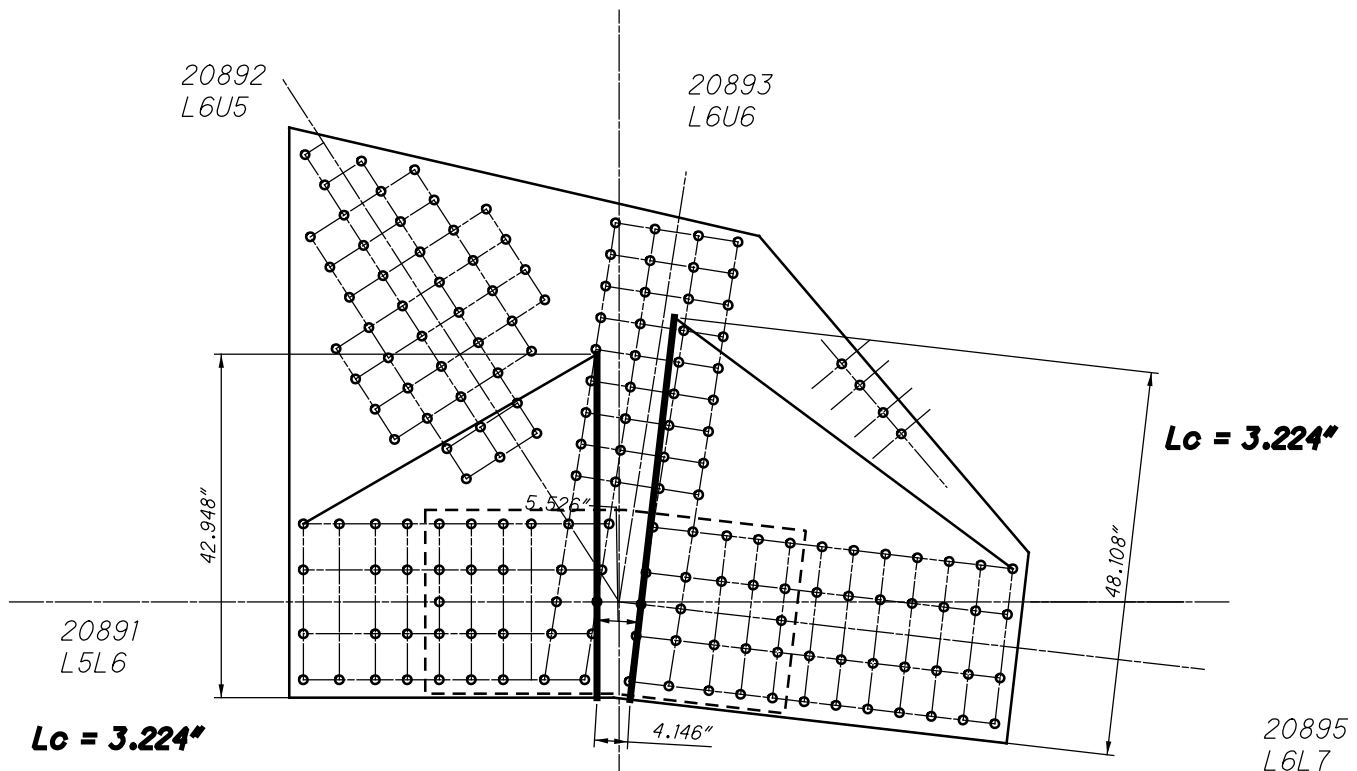
22088 AND 32088



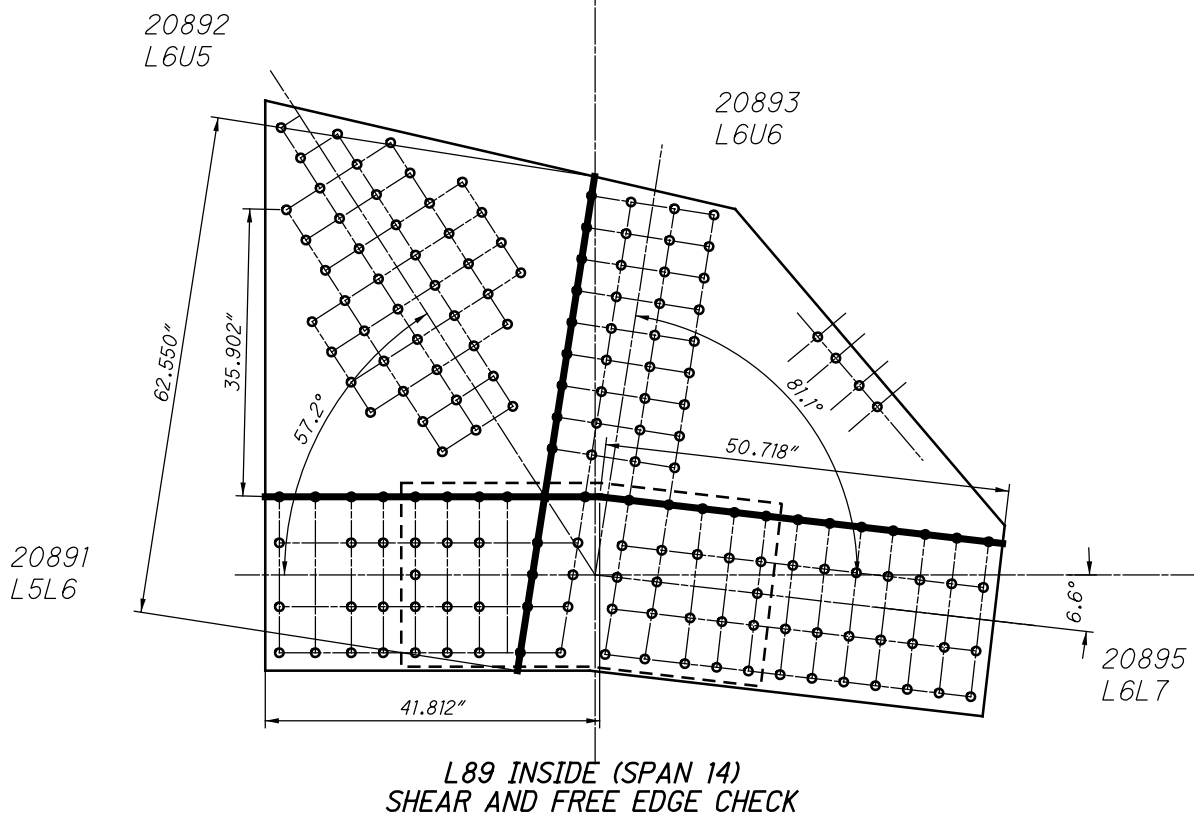
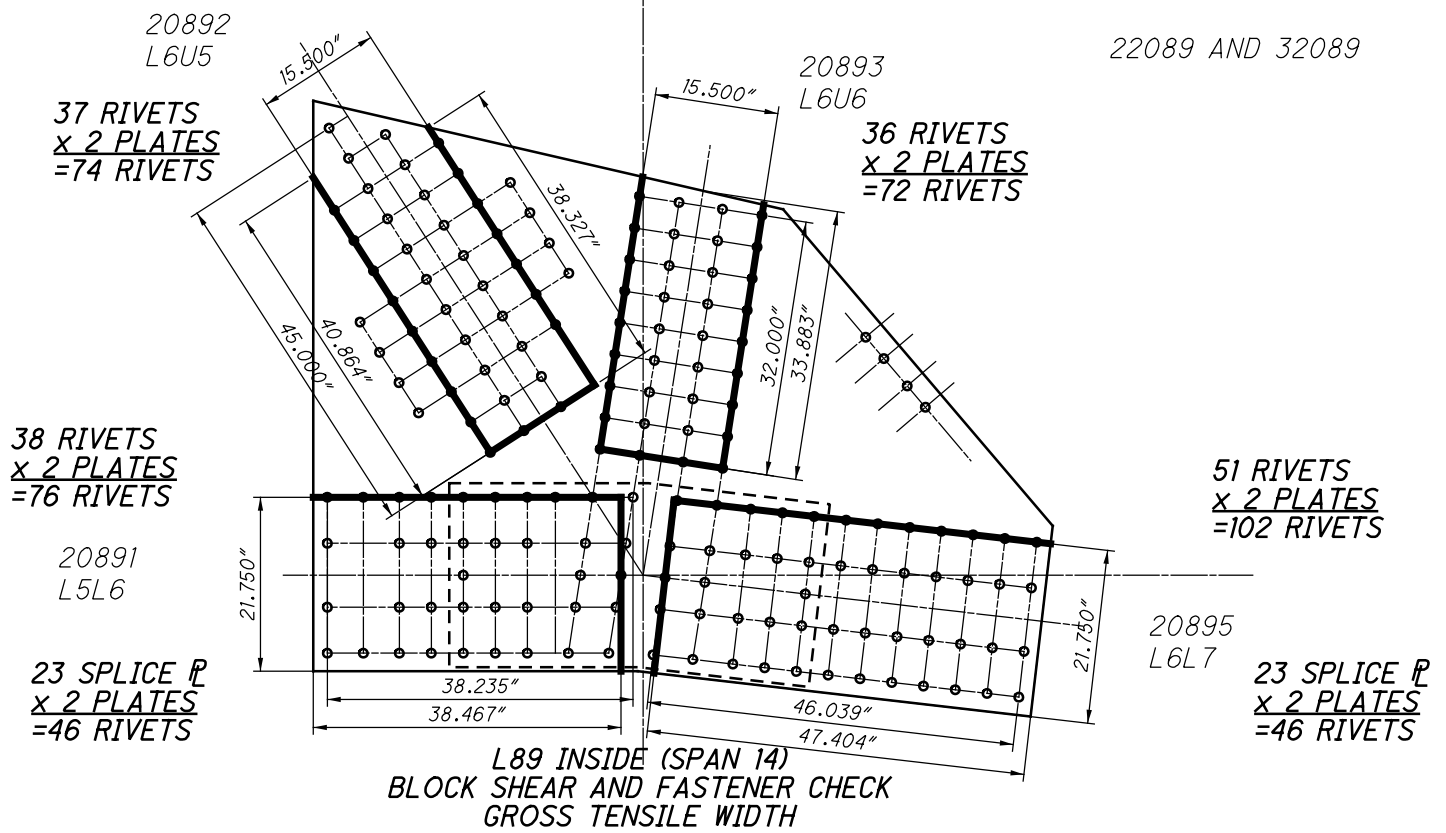




L89 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L89 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



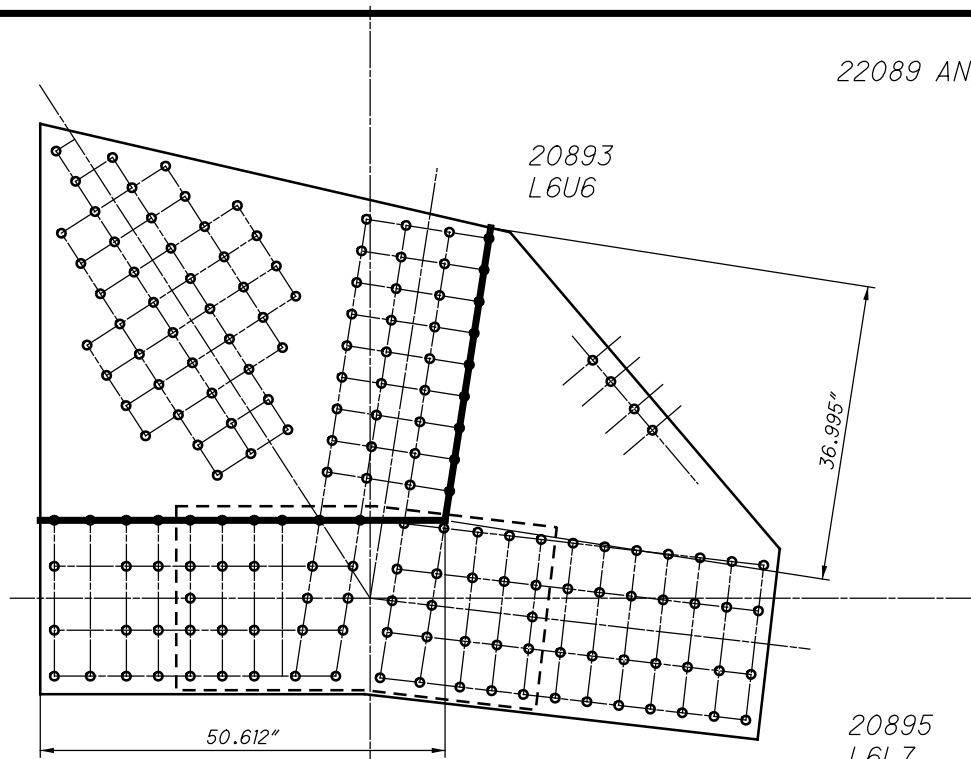
20892
L6U5

22089 AND 32089

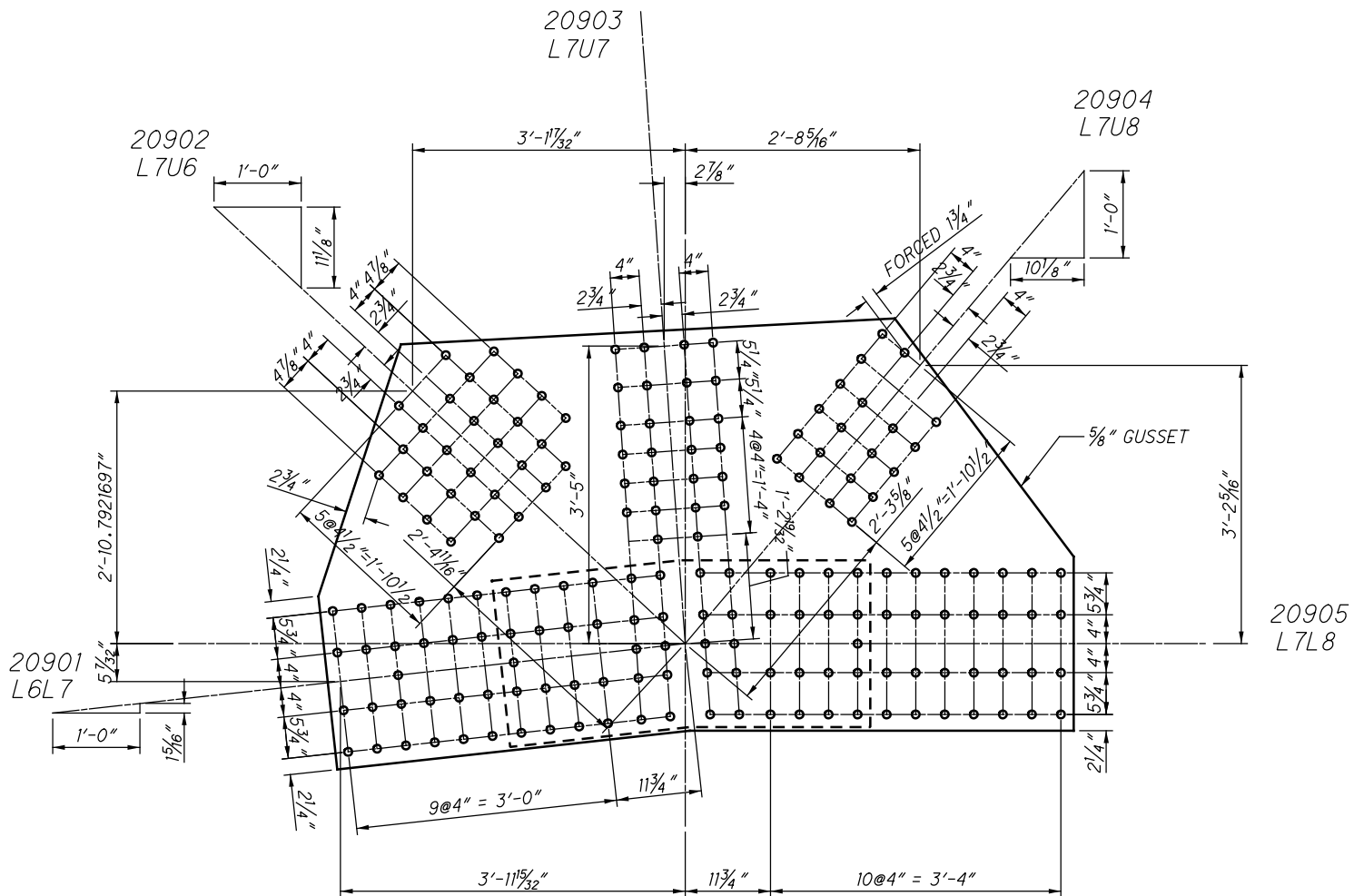
20893
L6U6

20891
L5L6

20895
L6L7

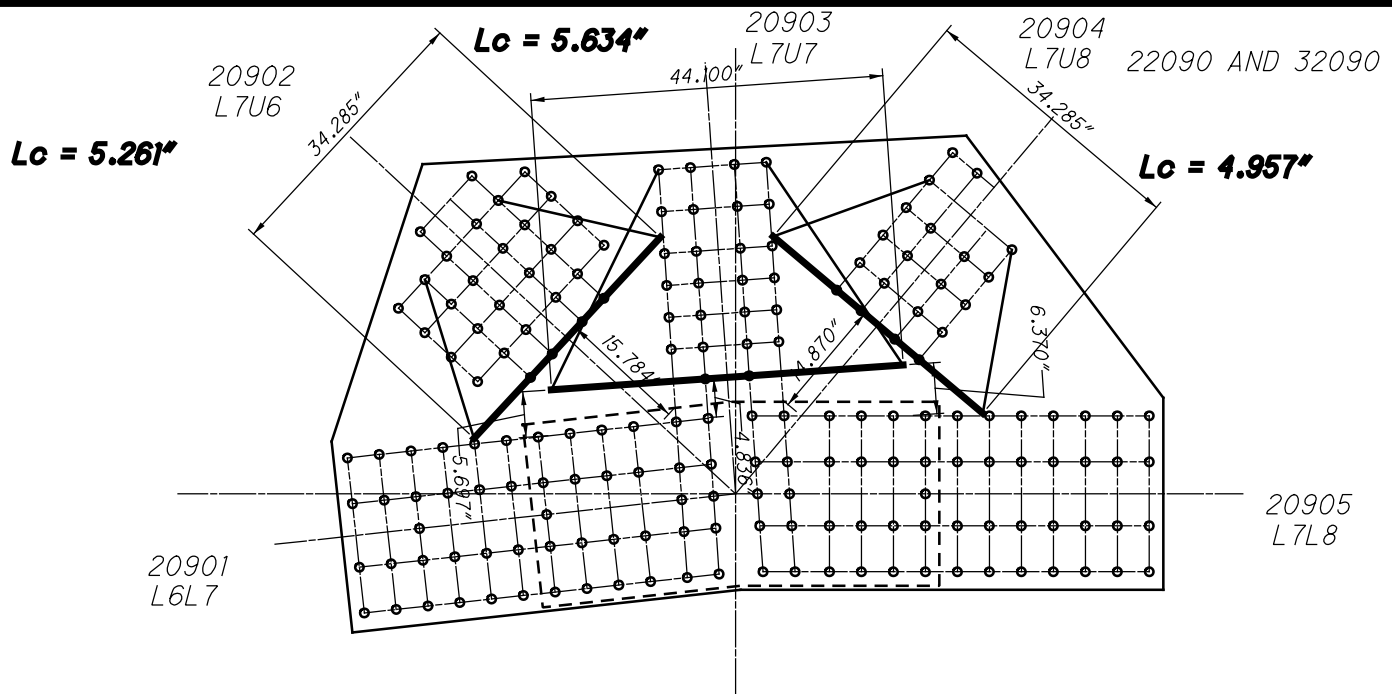


L89 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



SPLICE PLATE
24" X 1/2" X 4'-4 1/2"

L90 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

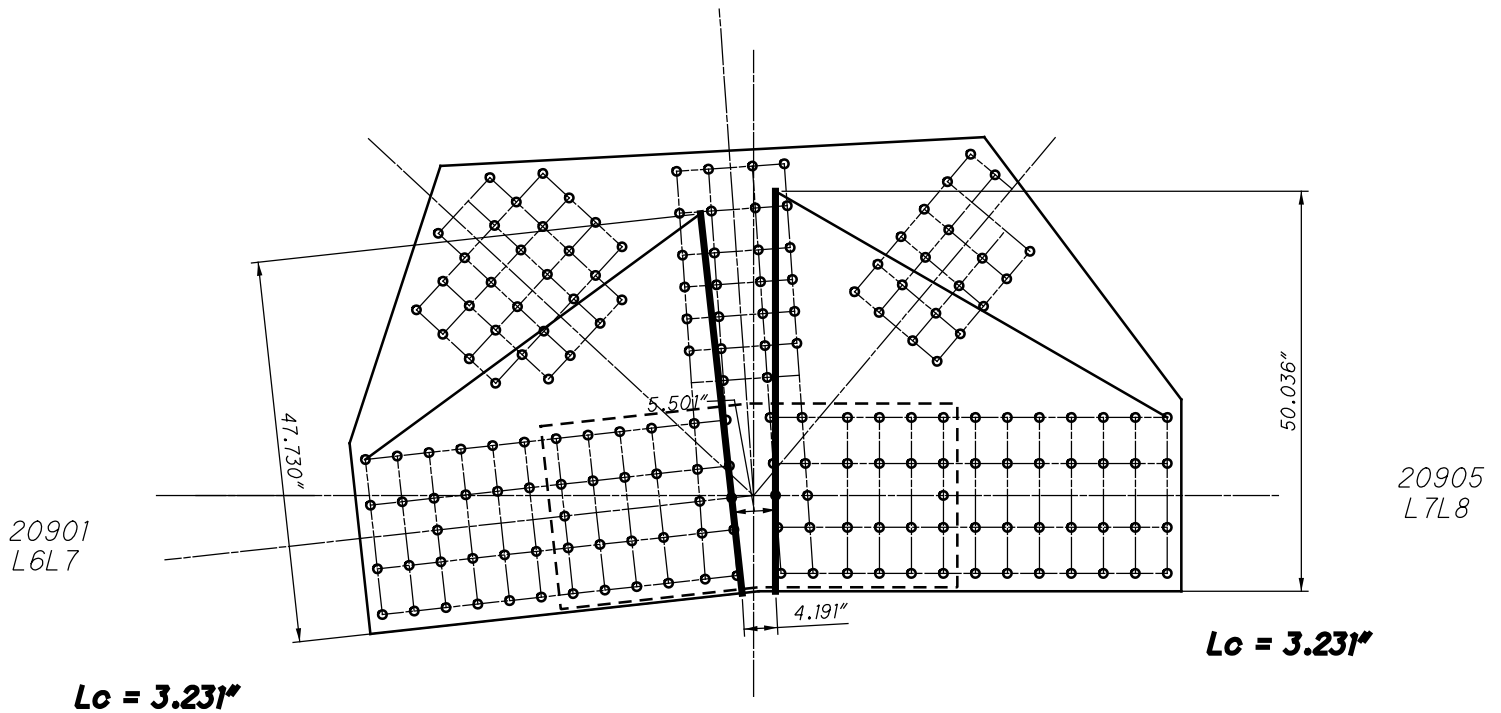


L90 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

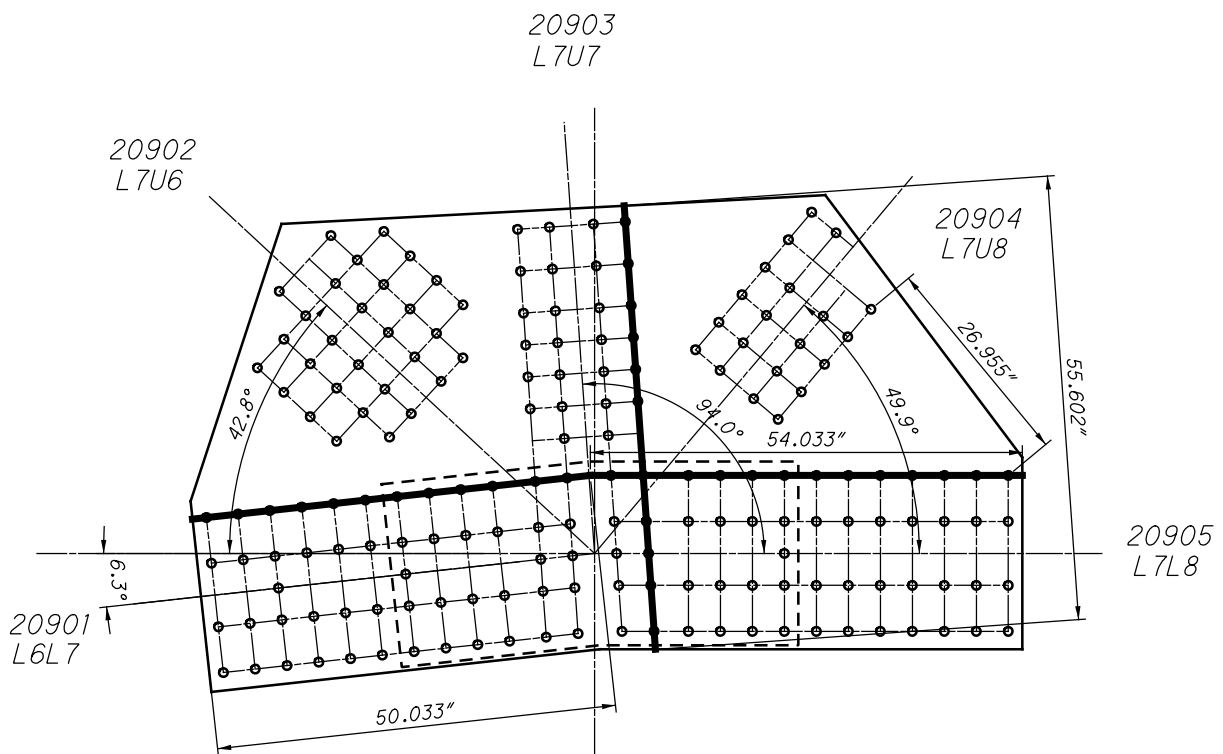
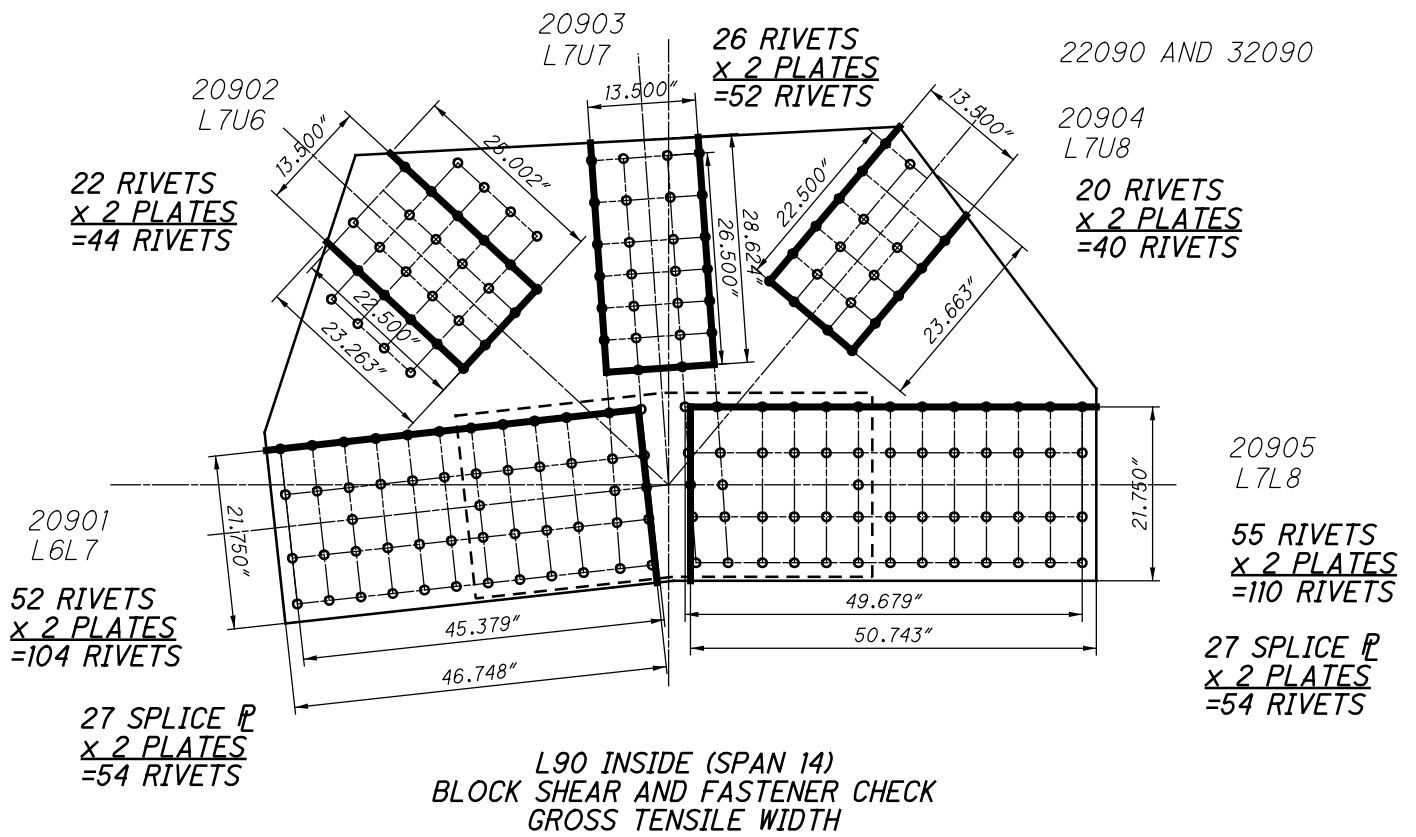
20903
L7U7

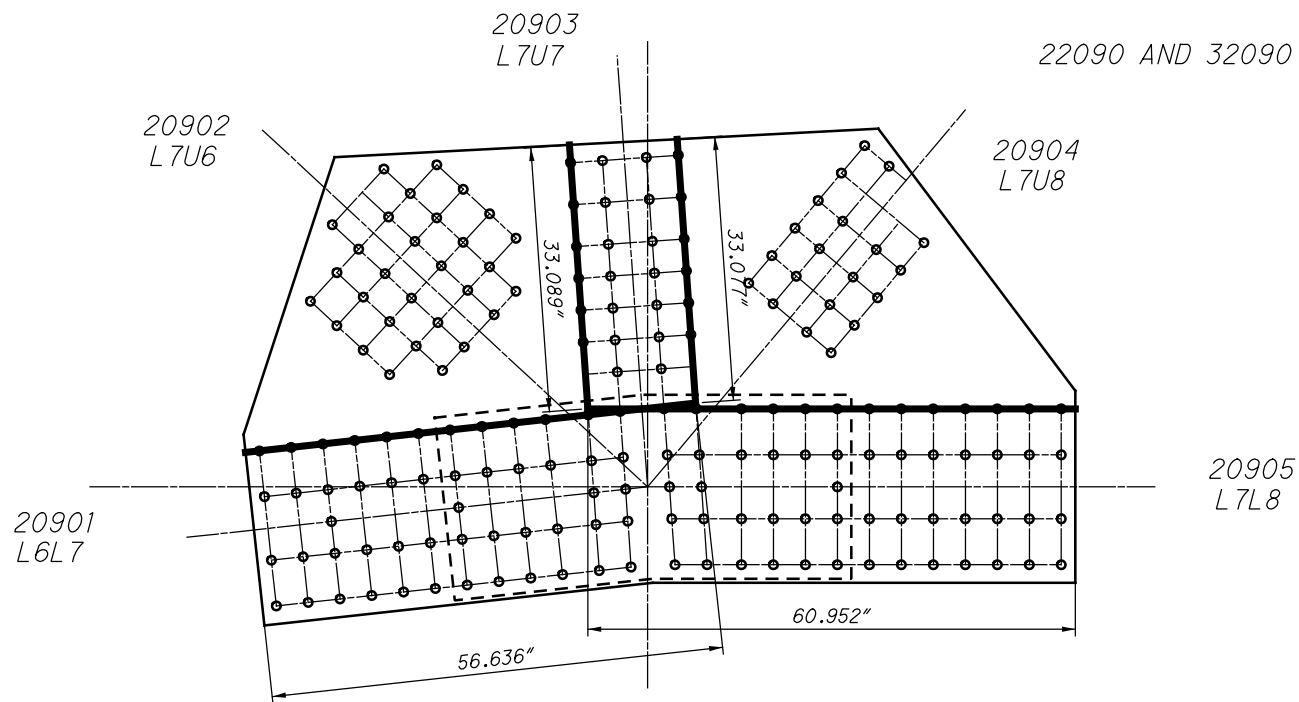
20902
L7U6

20904
L7U8

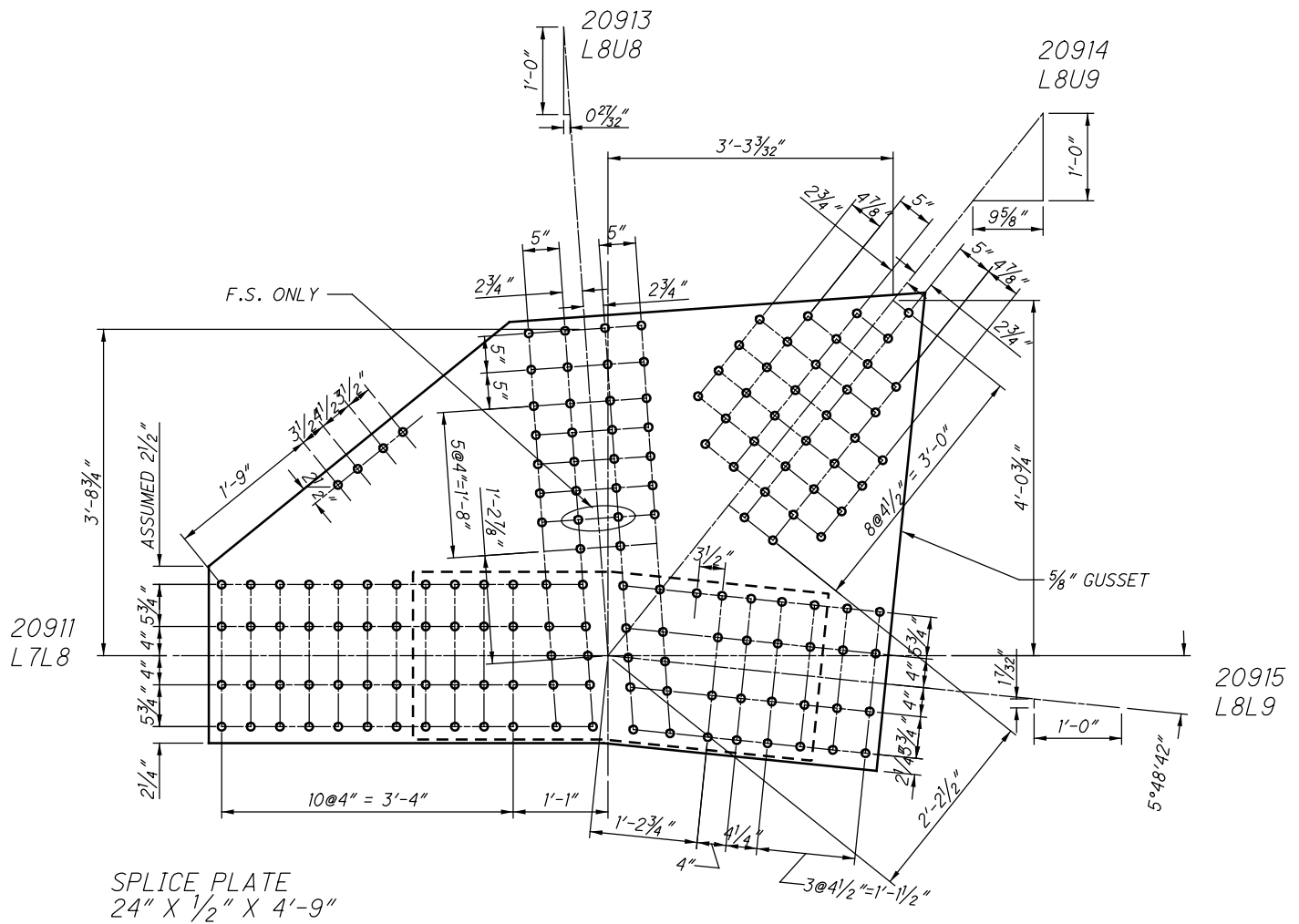


L90 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

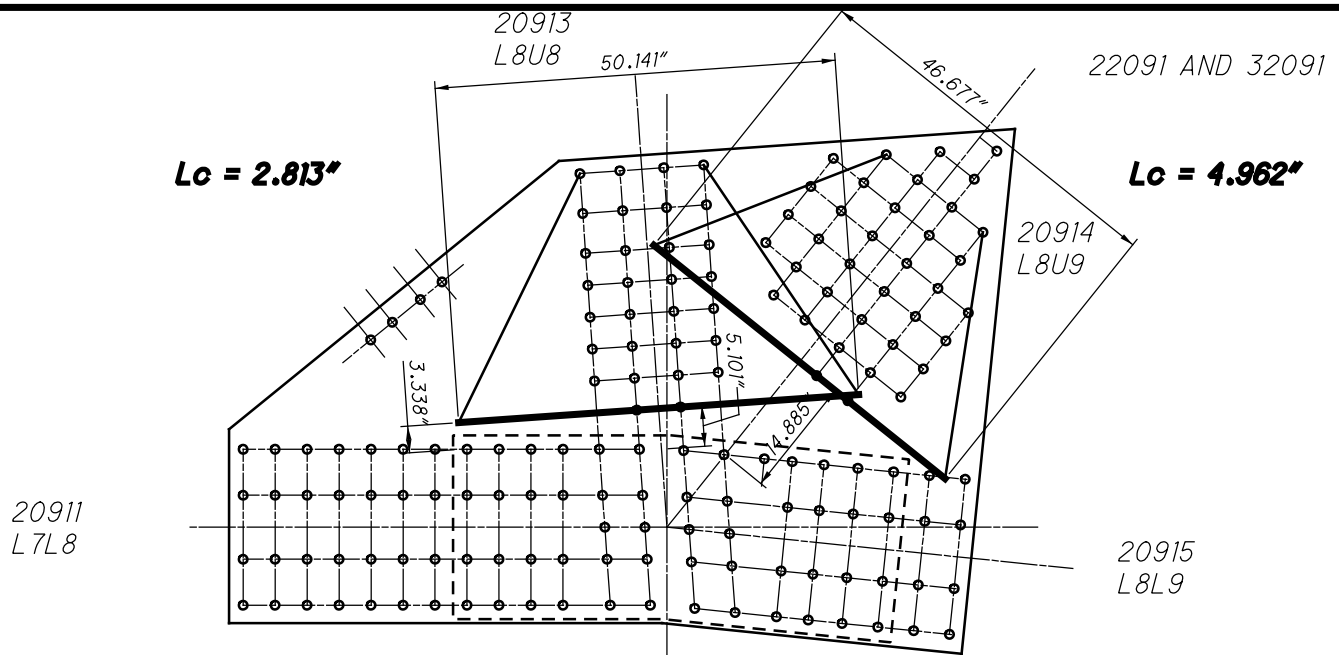




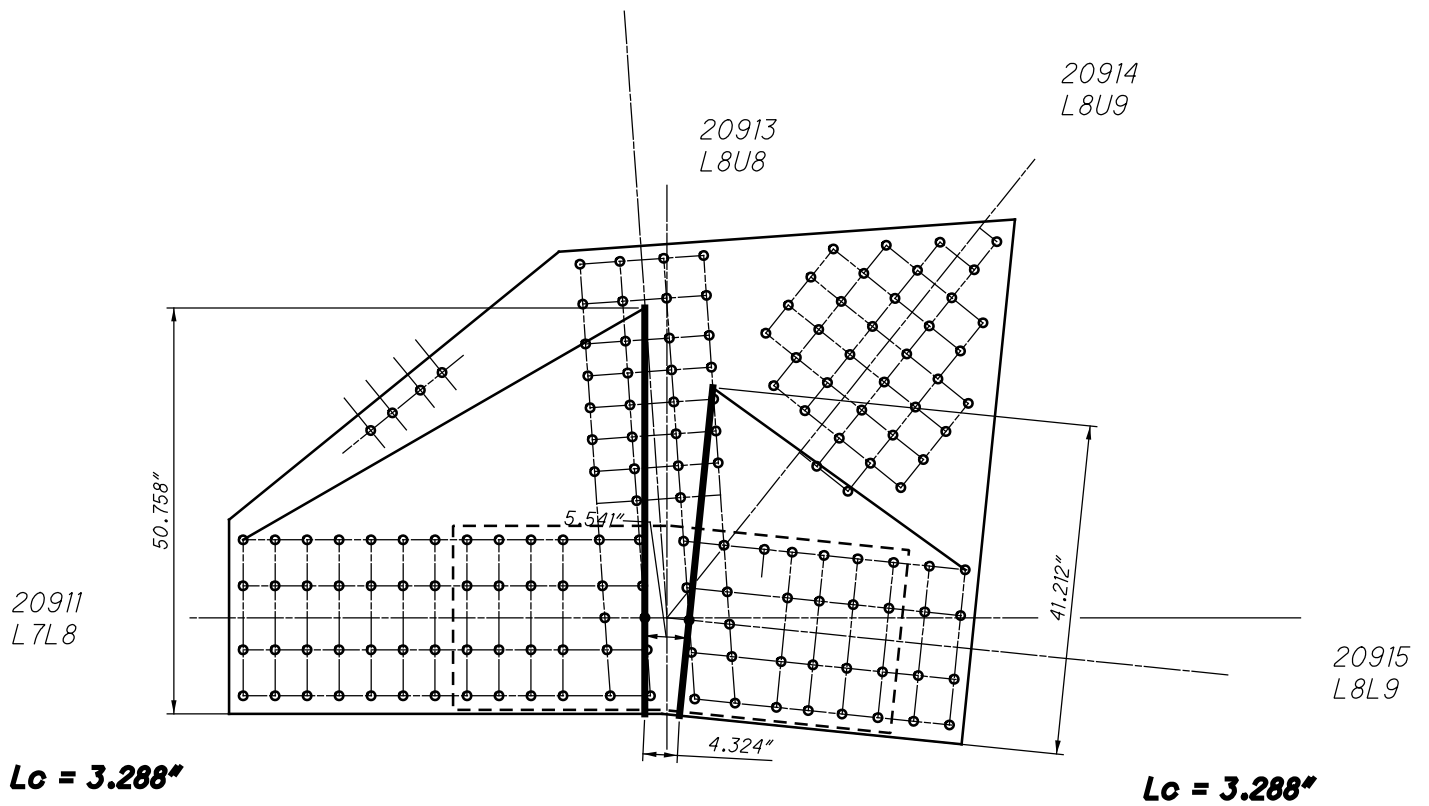
L90 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



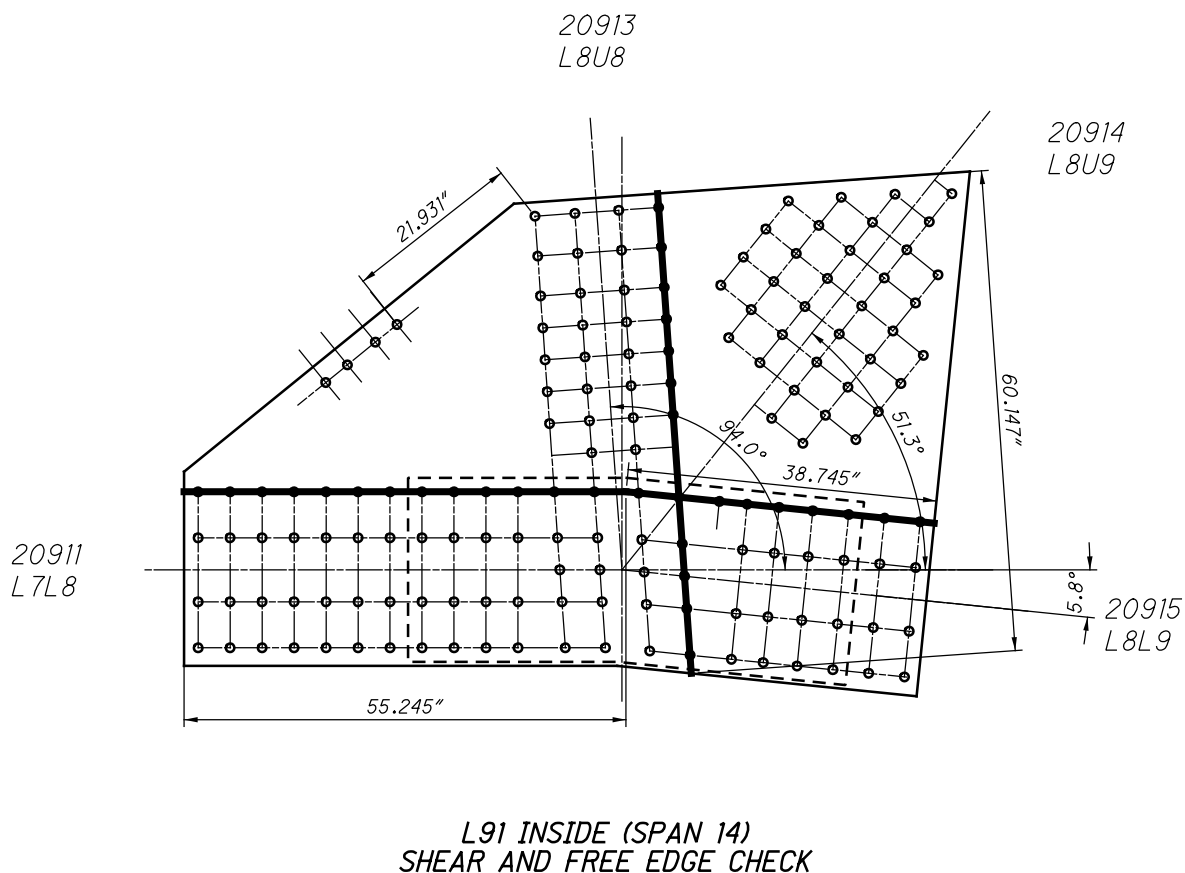
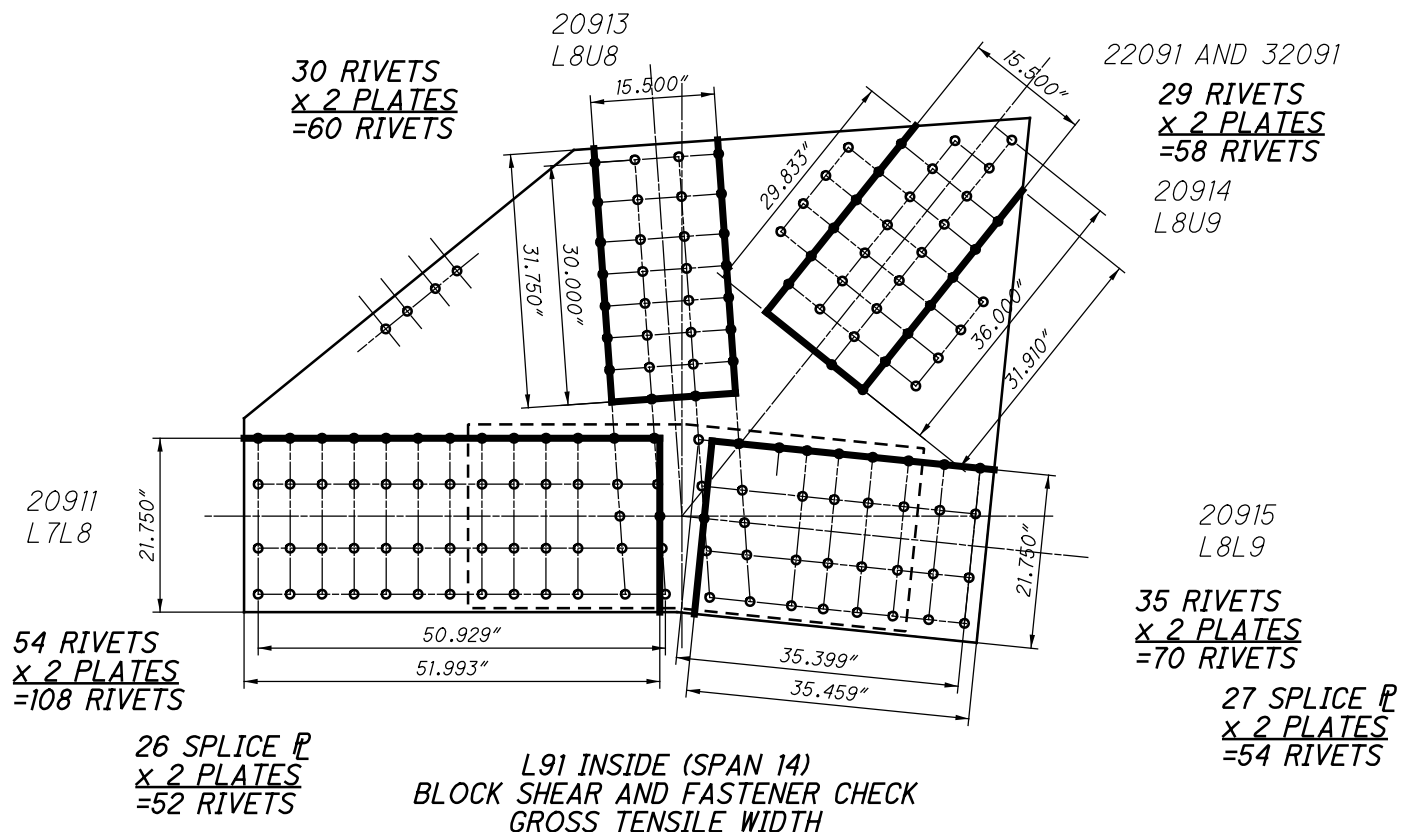
L91 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

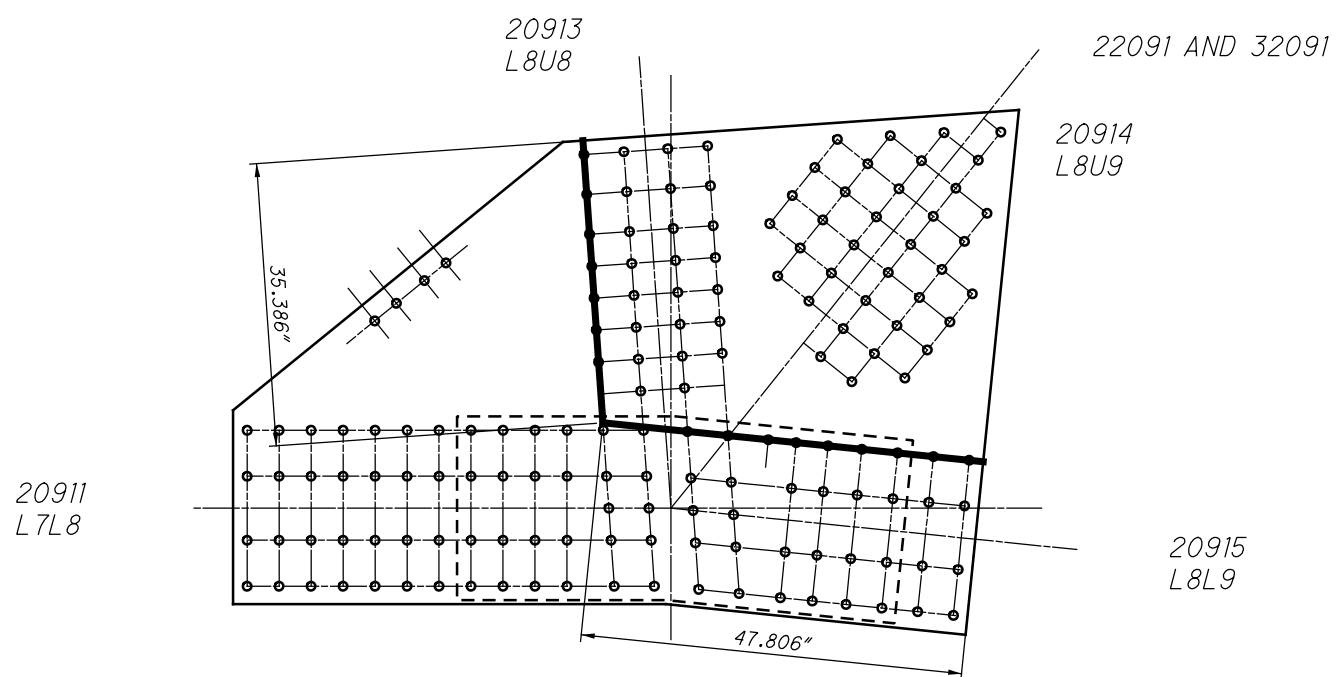


**L91 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

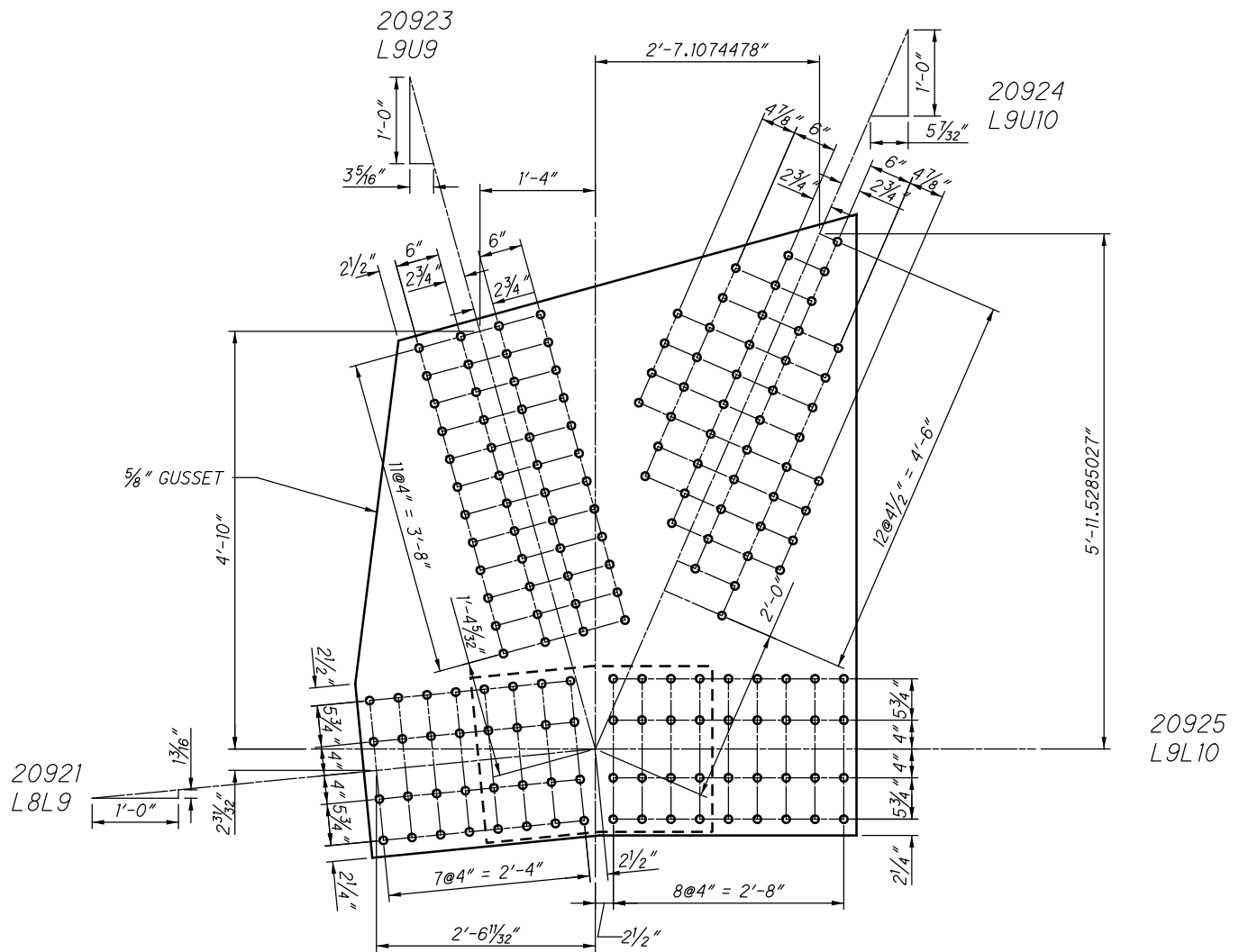


**L91 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**





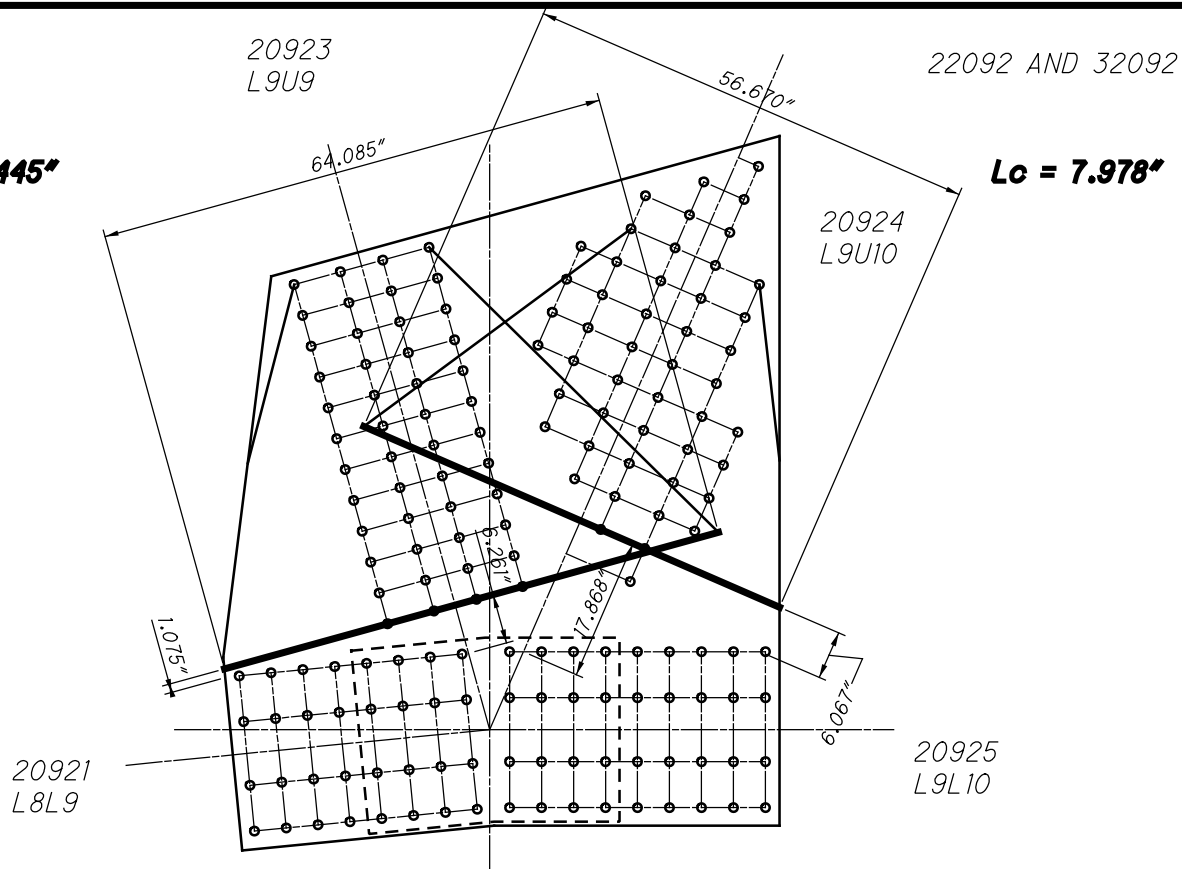
L91 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



SPLICE PLATE
24" X 3/8" X 2'-9 3/4"

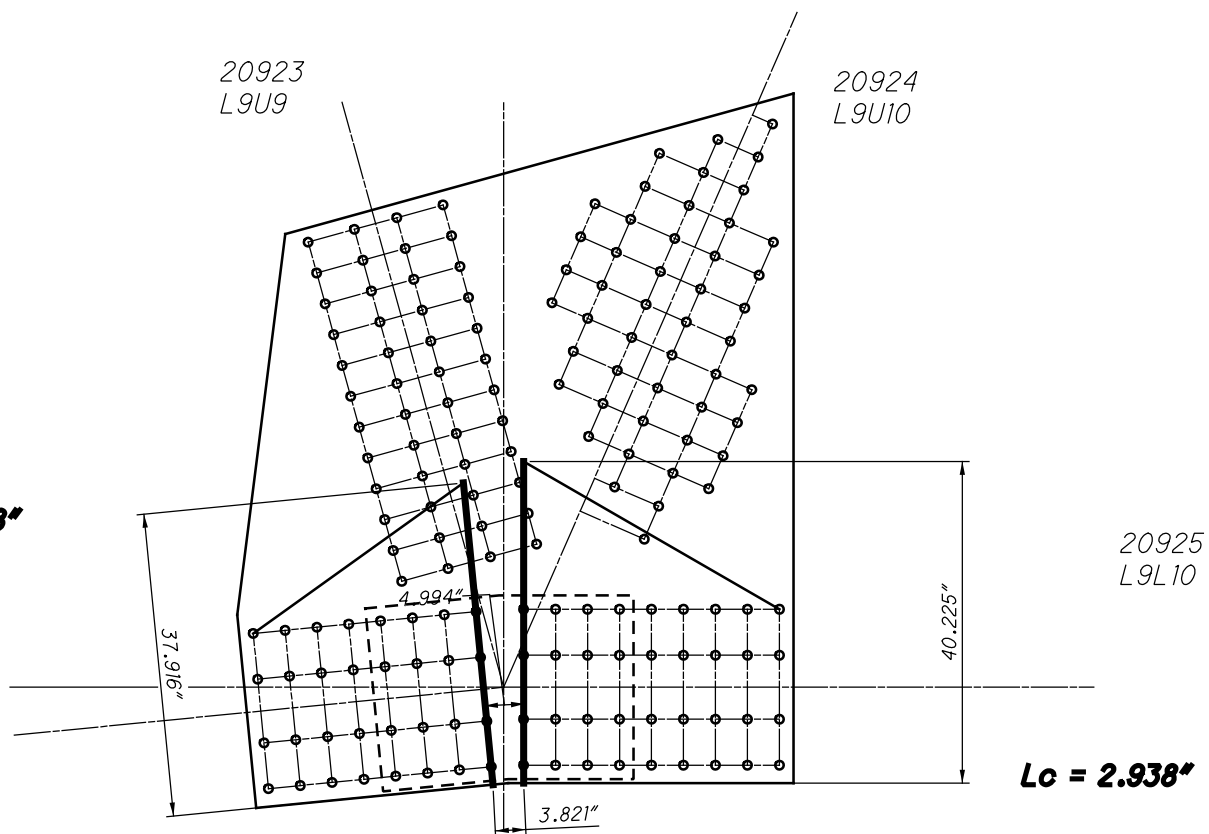
L92 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

$L_c = 2.445''$



**L92 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 2.938''$



**L92 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

22092 AND 32092

48 RIVETS
x 2 PLATES
=96 RIVETS

20923
L9U9

20924
L9U10

40 RIVETS
x 2 PLATES
=80 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

20921
L8L9

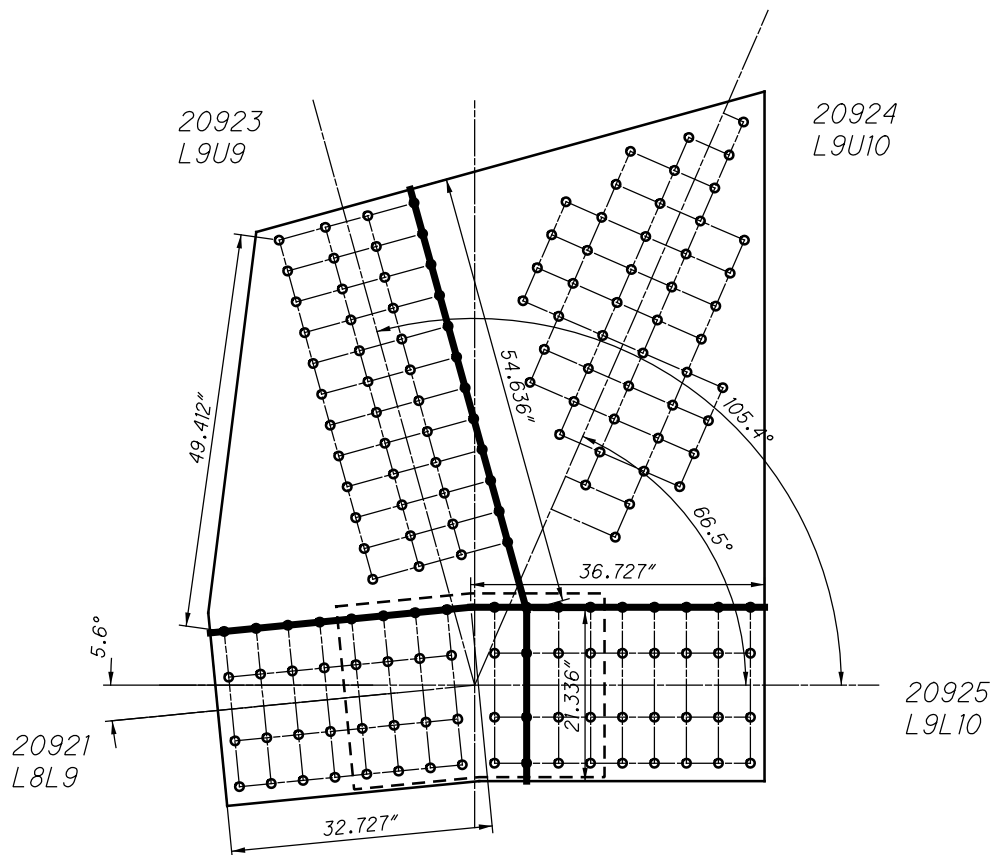
20925
L9L10

36 RIVETS
x 2 PLATES
=72 RIVETS

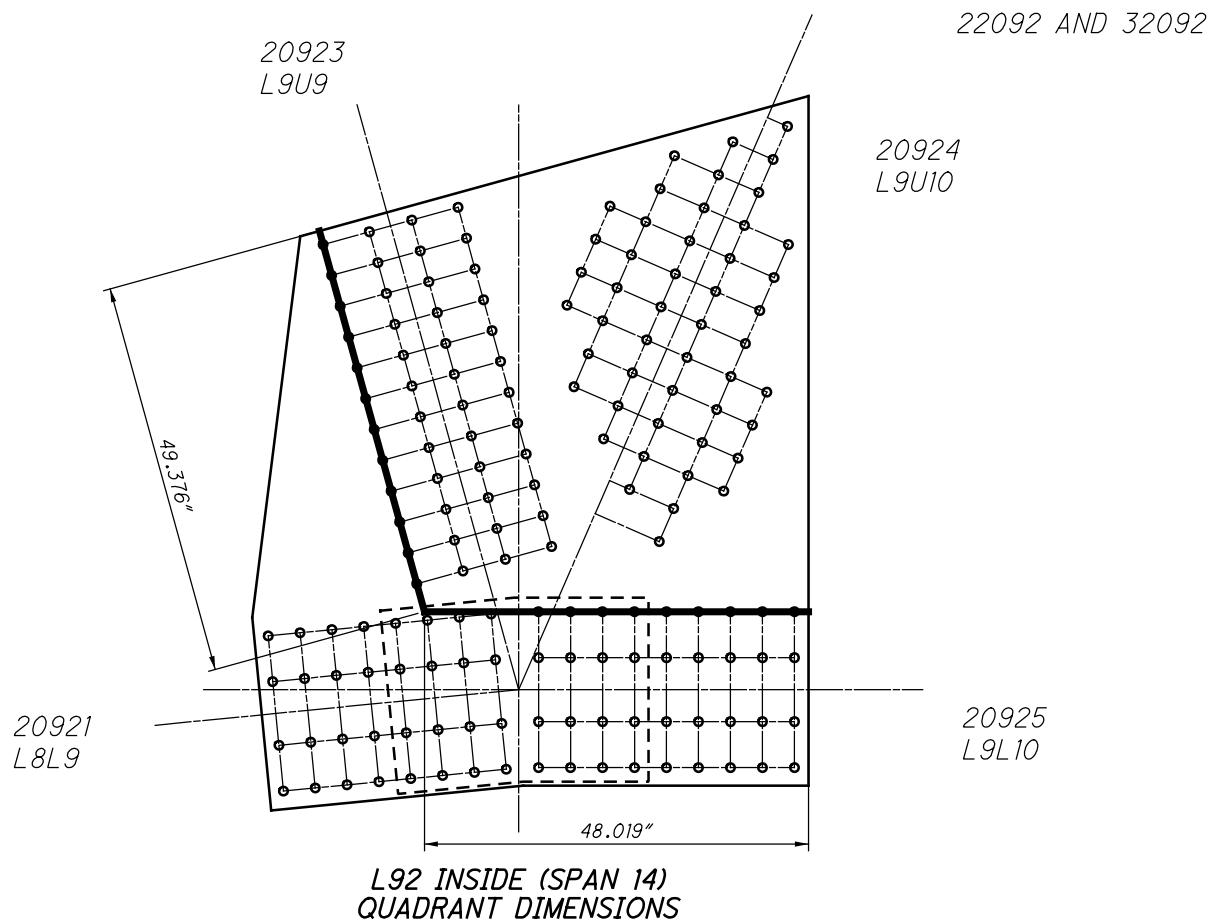
16 SPLICE P
x 2 PLATES
=32 RIVETS

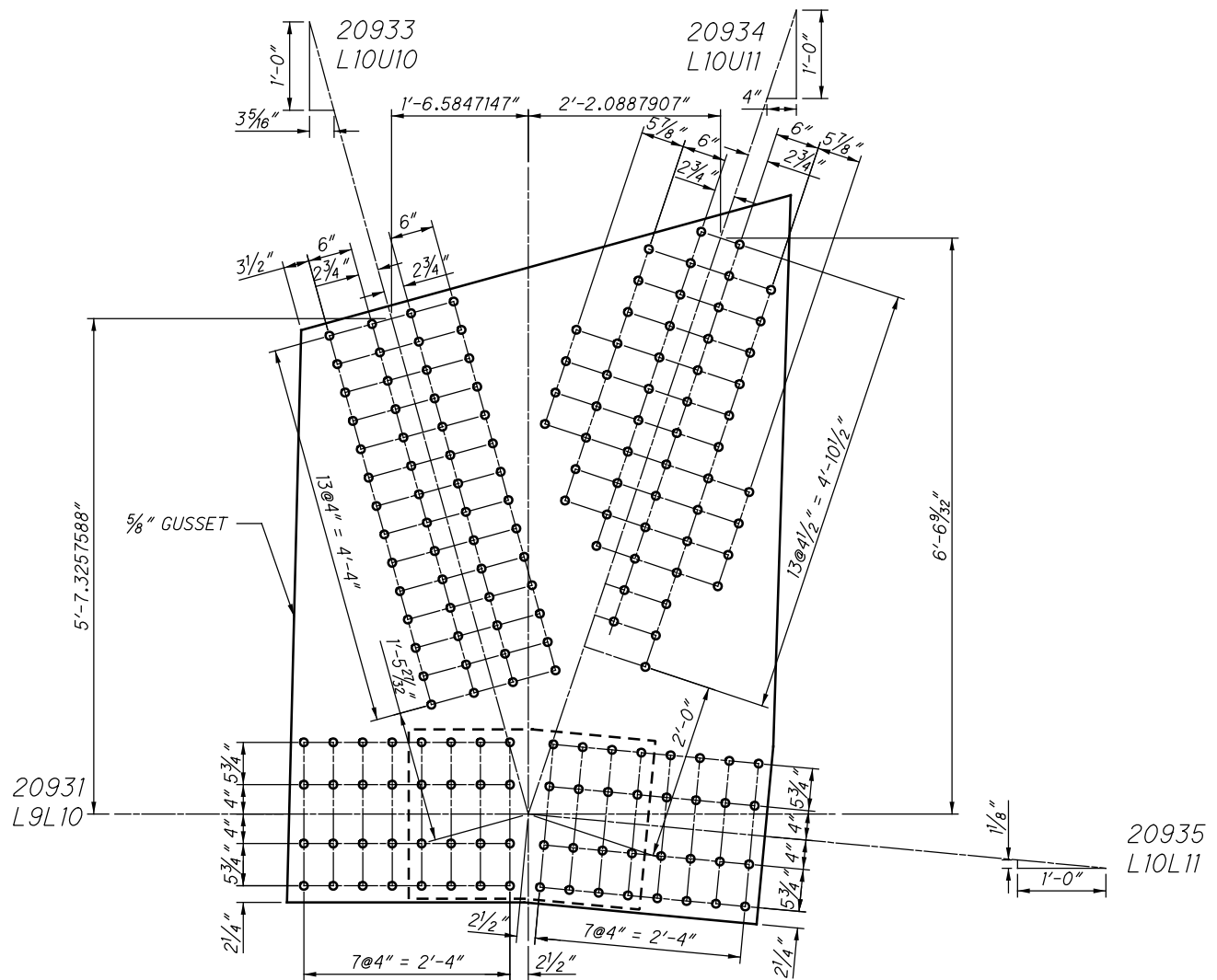
16 SPLICE P
x 2 PLATES
=32 RIVETS

L92 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



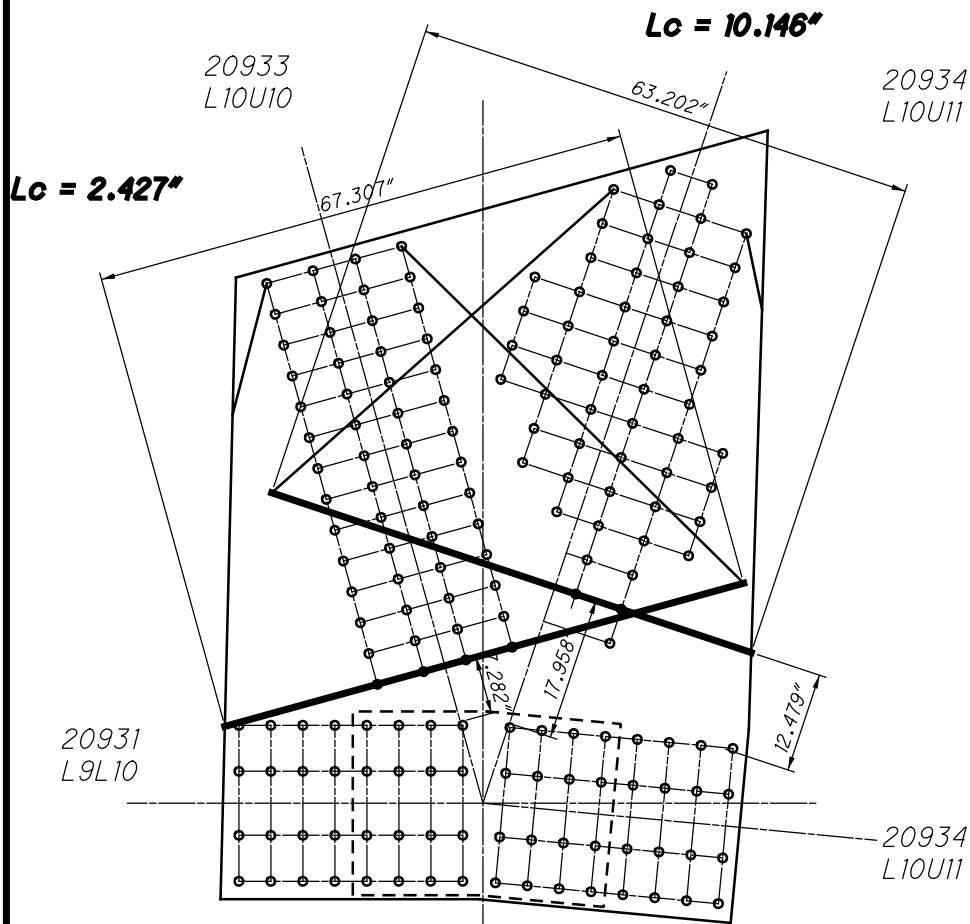
L92 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK



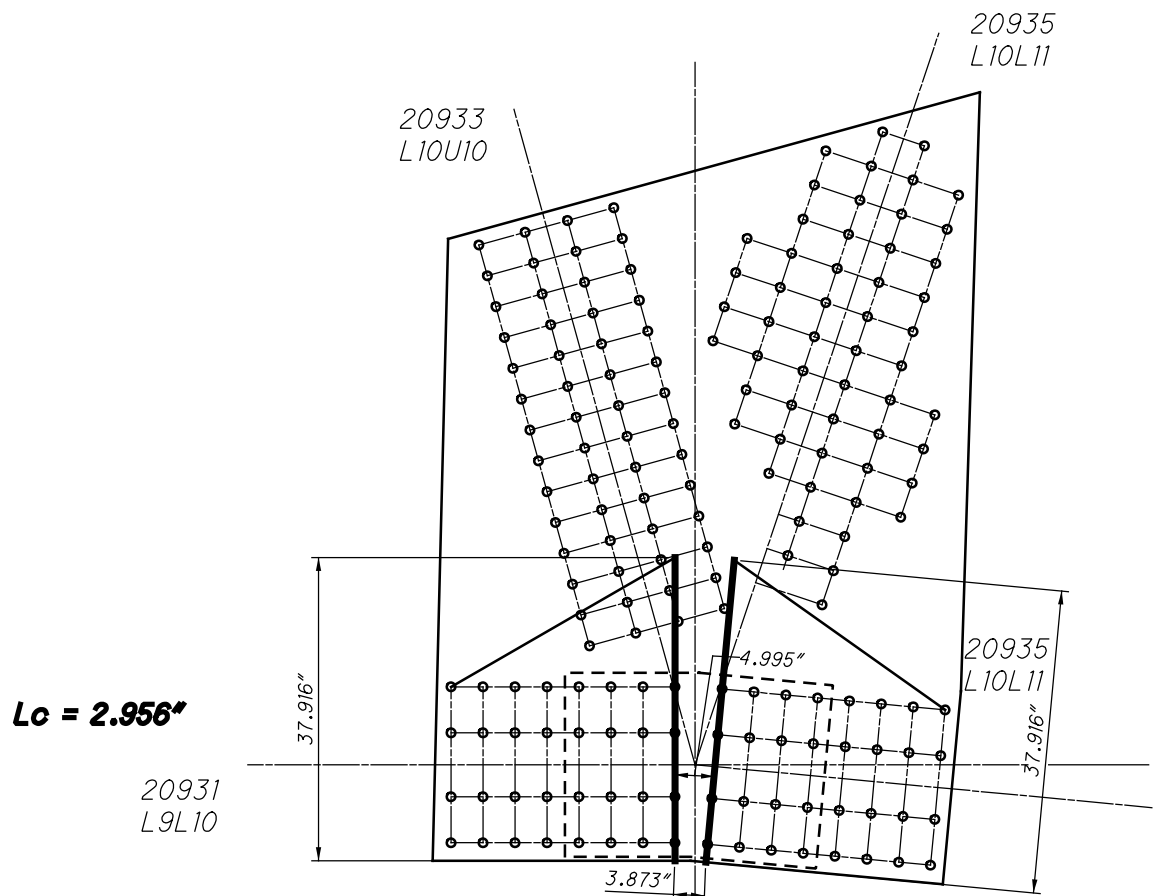


SPLICE PLATE
24" X 3/8" X 2'-9 3/4"

L93 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)



L93 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



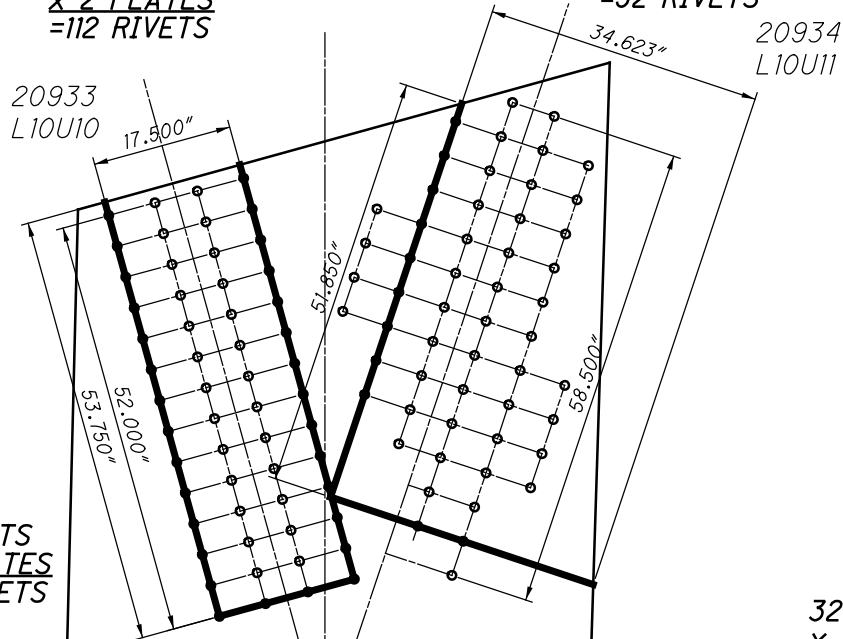
L93 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

$L_c = 2.956''$

22093 AND 32093

56 RIVETS
x 2 PLATES
=112 RIVETS

46 RIVETS
x 2 PLATES
=92 RIVETS



32 RIVETS
x 2 PLATES
=64 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

20931
L9L10

20935
L10L11

16 SPLICE P
x 2 PLATES
=32 RIVETS

16 SPLICE P
x 2 PLATES
=32 RIVETS

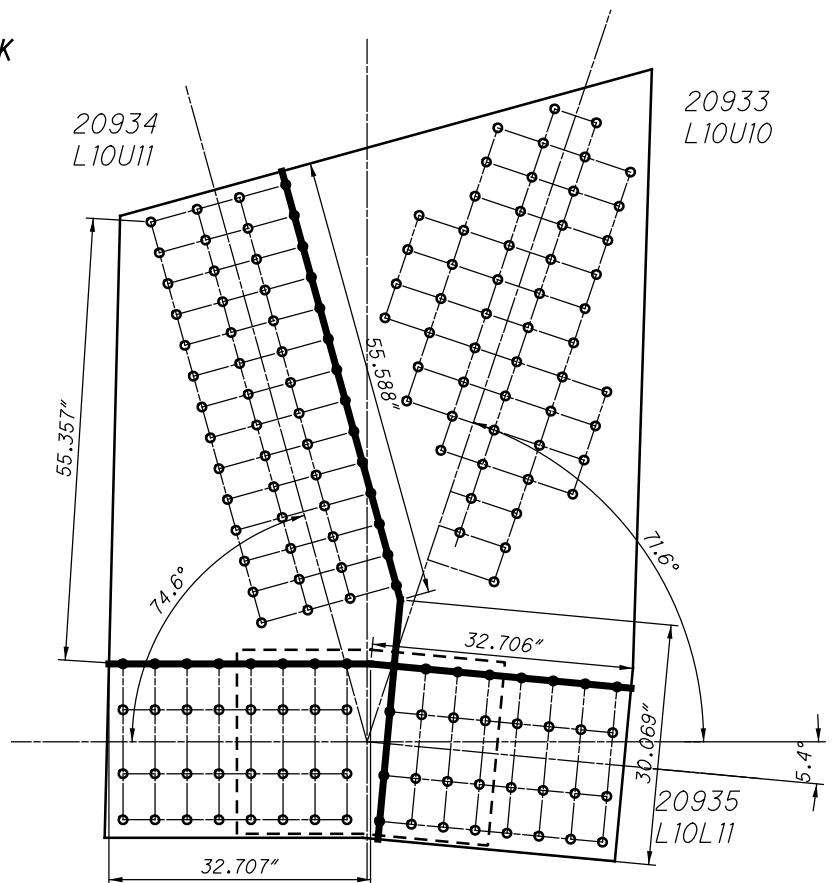
L93 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

20934
L10U11

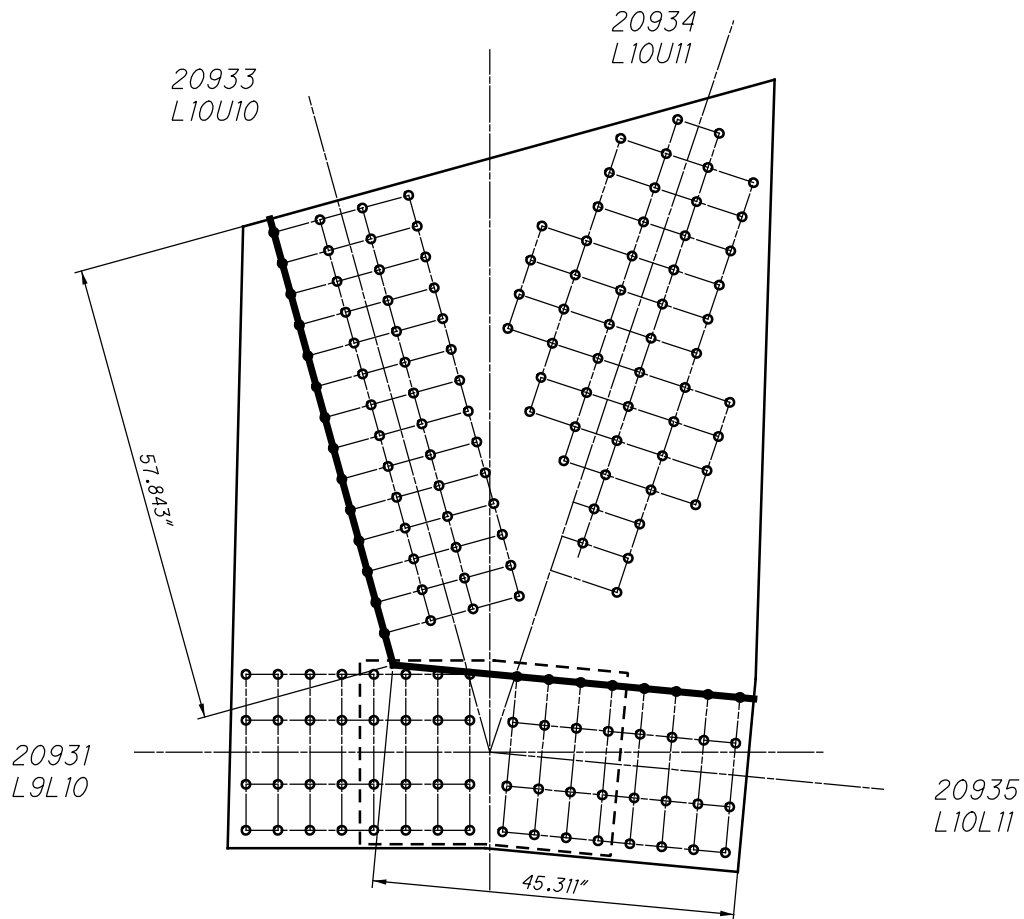
20933
L10U10

20931
L9L10

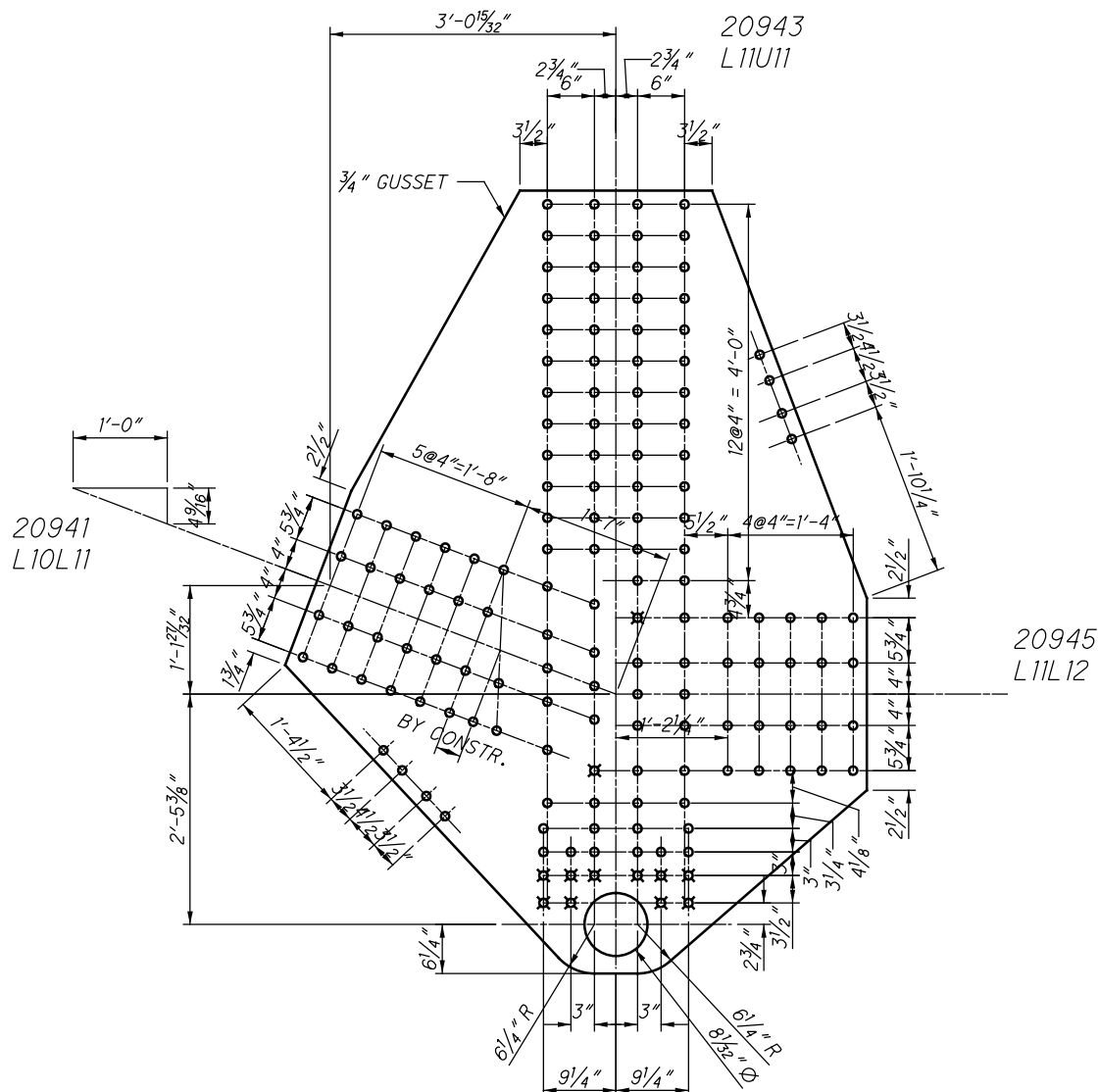
20935
L10L11



L93 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK



L93 INSIDE (SPAN 14)
QUADRANT DIMENSIONS



L94 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

20943
L11U11

22094 AND 32094

INTERNAL BOLSTER BEARS ON PIN

$L_c = 0.000''$

20941
L10L11

20945
L11L12

61.619"

L94 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20943
L11U11

20941
L10L11

20945
L11L12

60.668"

51.254"

$L_c = 1.669''$

5.007"

$L_c = 0.000''$

L94 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20943
L11U11

22094 AND 32094

36 RIVETS
x 2 PLATES
=72 RIVETS

20941
L10L11

20945
L11L12

30 RIVETS
x 2 PLATES
=60 RIVETS

L94 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

20943
L11U11

20941
L10L11

20945
L11L12

L94 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

20941
L10L11

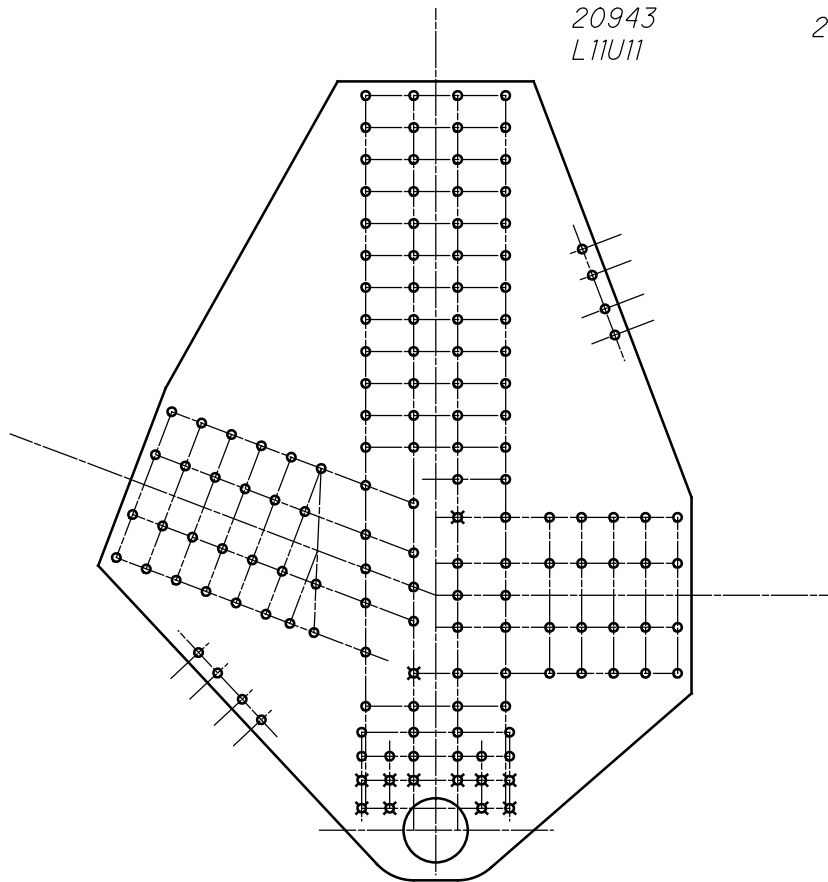
20943
L11U11

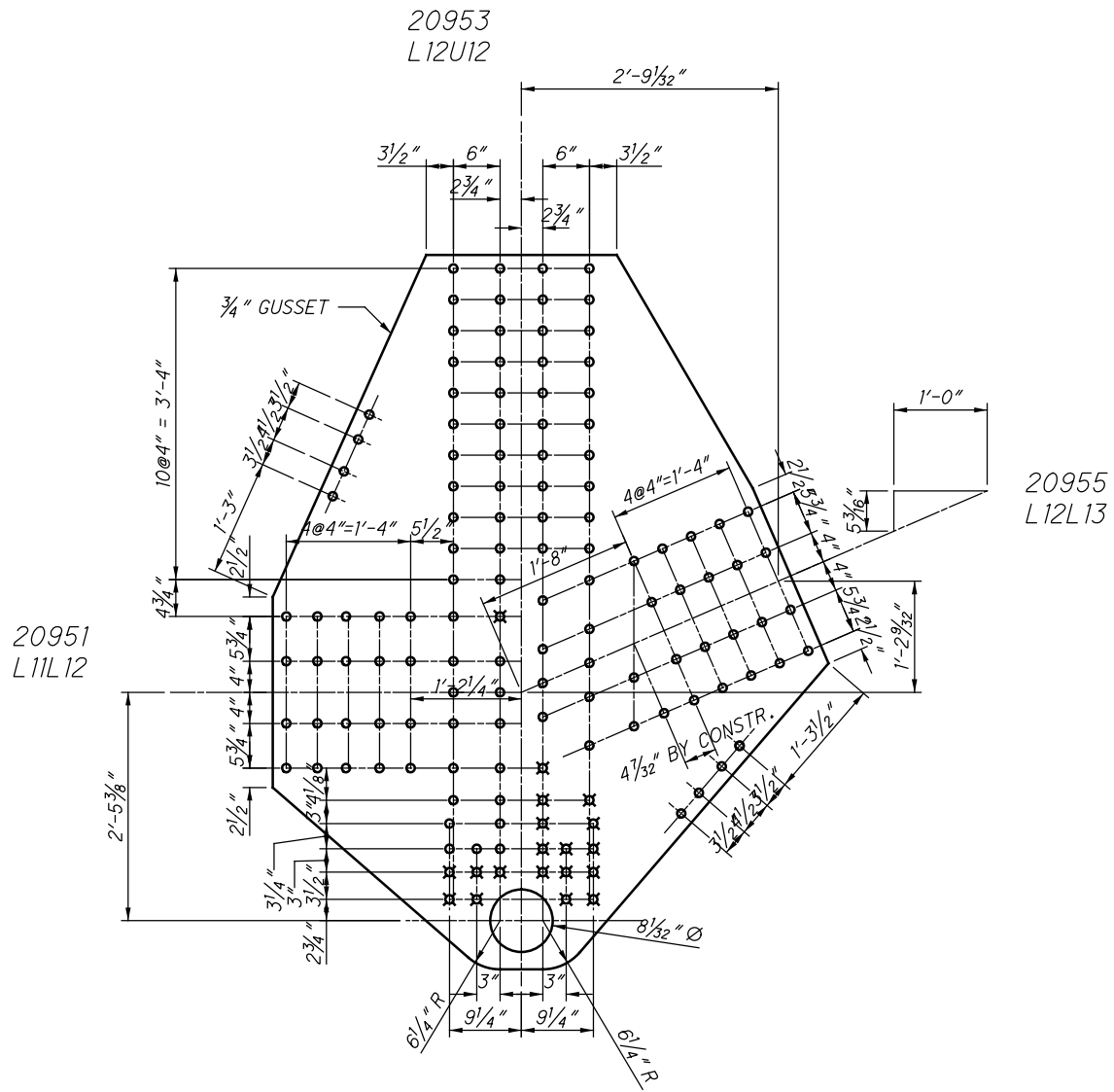
22094 AND 32094

20945
L11L12

**L94 INSIDE (SPAN 14)
QUADRANT DIMENSIONS**

VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORDS ARE IN COMPRESSION





L95 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

20953
L12U12

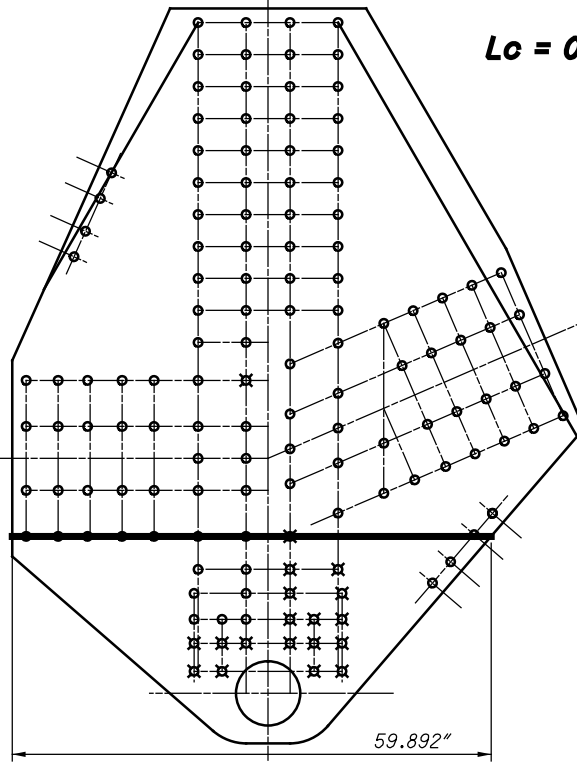
22095 AND 32095

INTERNAL BOLSTER BEARS ON PIN

$L_c = 0.000''$

20951
L11L12

20955
L12L13



L95 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

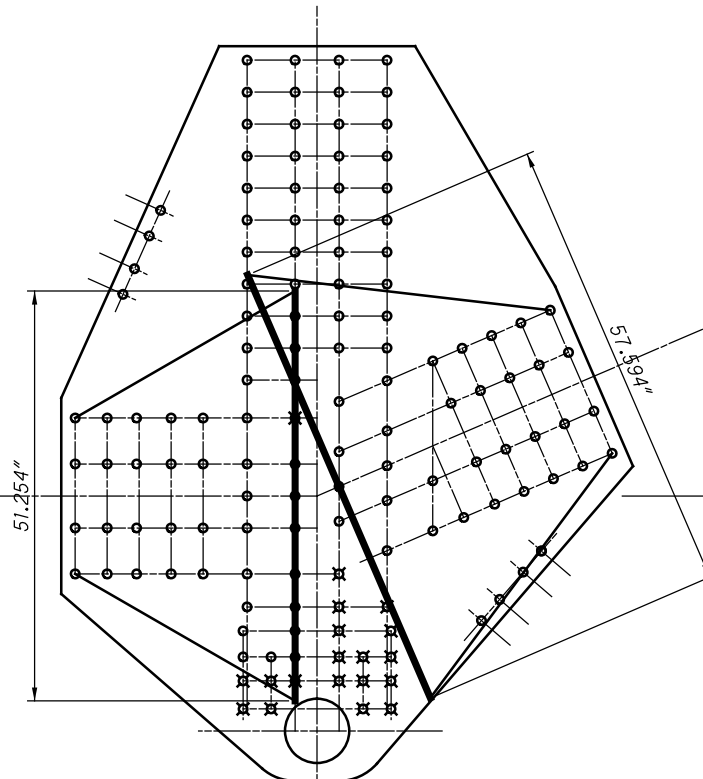
20953
L12U12

20955
L12L13

20951
L11L12

$L_c = 0.000''$

$L_c = 0.000''$



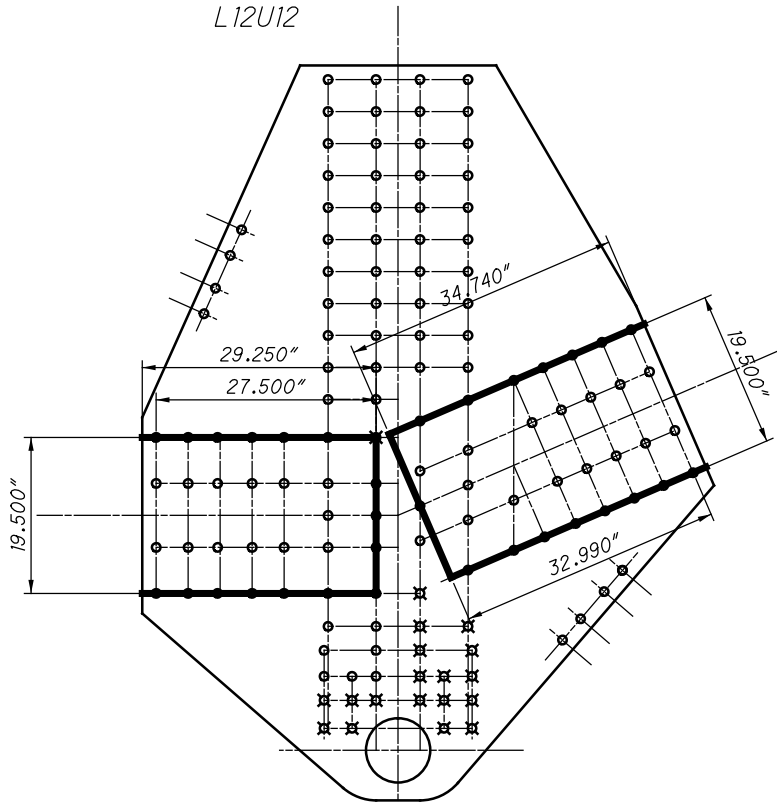
L95 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20953
L12U12

22095 AND 32095

30 RIVETS
x 2 PLATES
=60 RIVETS

20951
L11L12



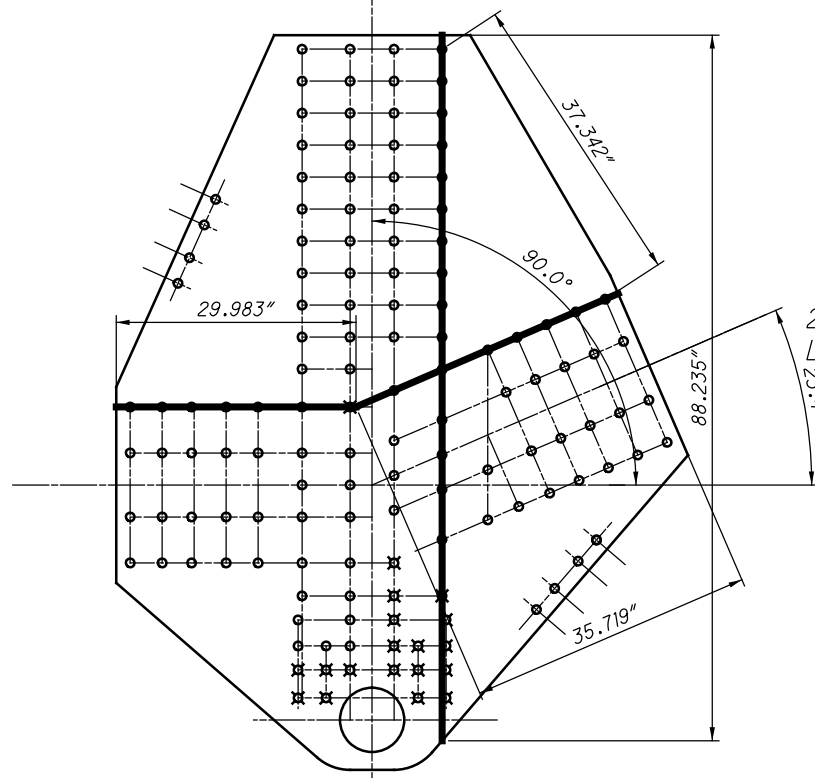
20955
L12L13

33 RIVETS
x 2 PLATES
=66 RIVETS

L95 INSIDE (SPAN 14)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

20953
L12U12

20951
L11L12



20955
L12L13

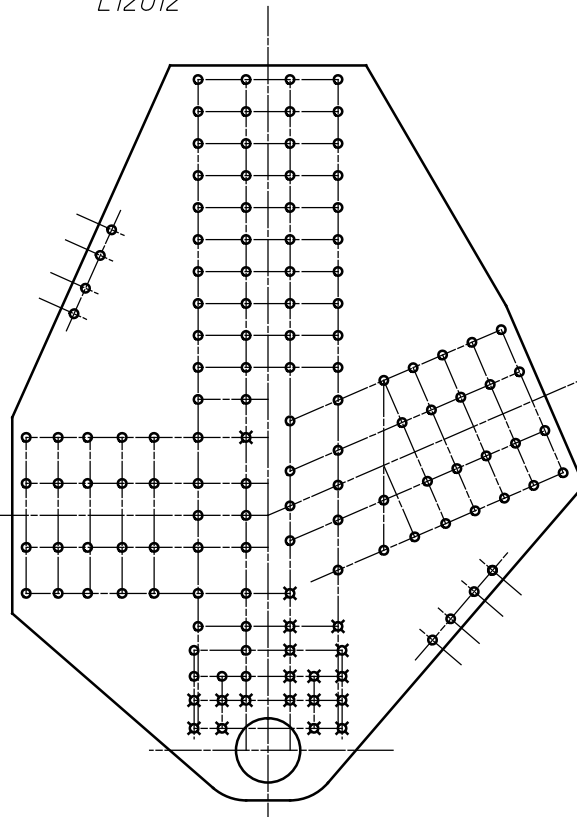
L95 INSIDE (SPAN 14)
SHEAR AND FREE EDGE CHECK

20953
L12U12

22095 AND 32095

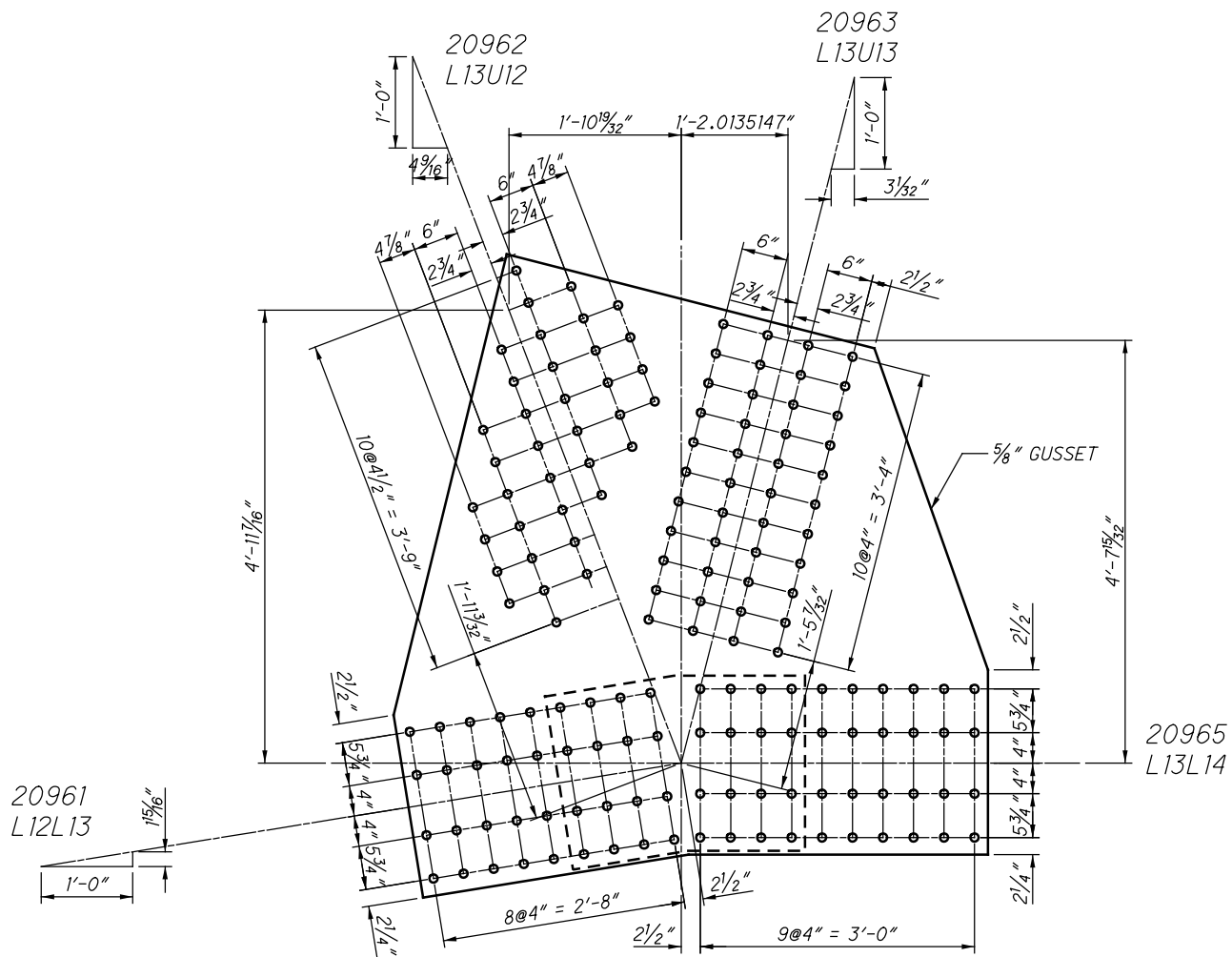
20951
L11L12

20955
L12L13



**L95 INSIDE (SPAN 14)
QUADRANT DIMENSIONS**

VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORDS ARE IN COMPRESSION



SPLICE PLATE
24" X 3/8" X 2'-10 1/2"

L96 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)

$L_c = 10.157''$

20962
L13U12

20963
L13U13

$L_c = 2.208''$

20961
L12L13

20965
L13L14

L96 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20962
L13U12

COUNT AS 0"

20963
L13U13

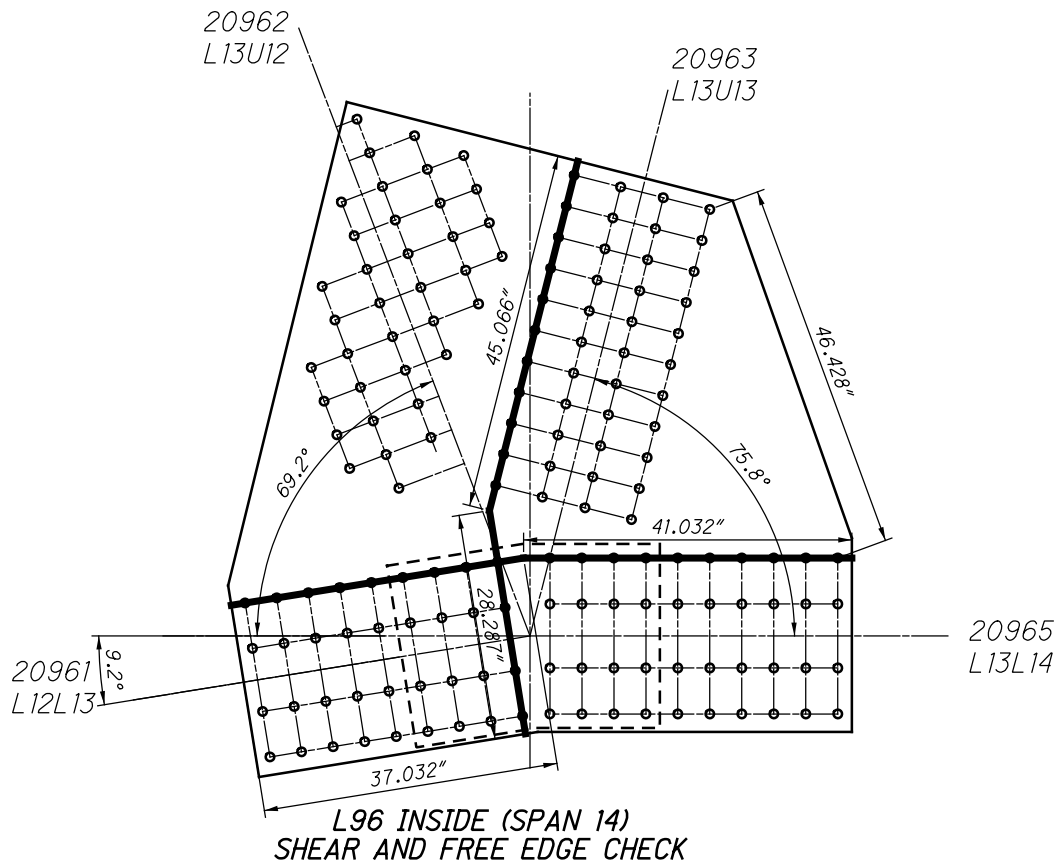
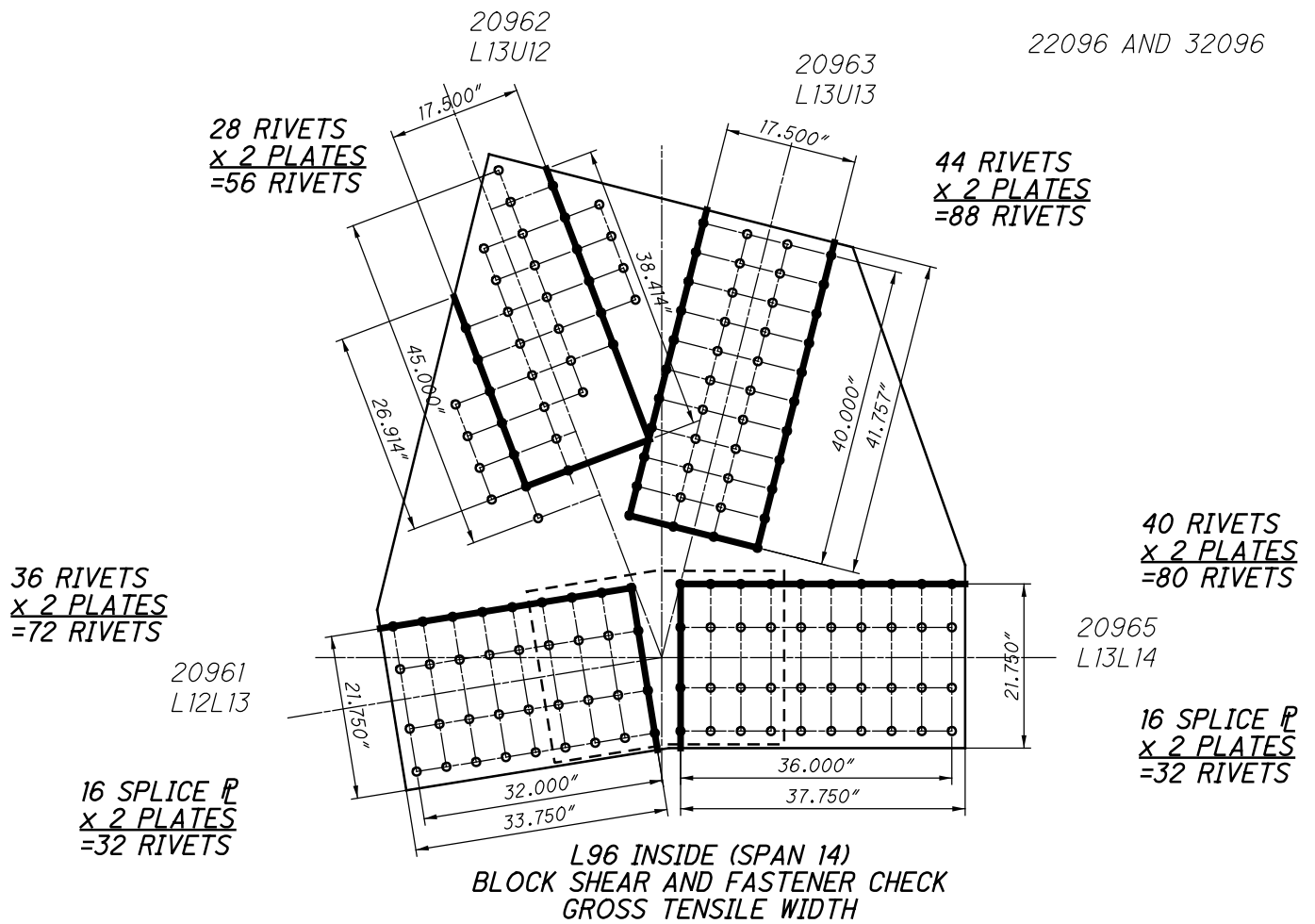
20965
L13L14

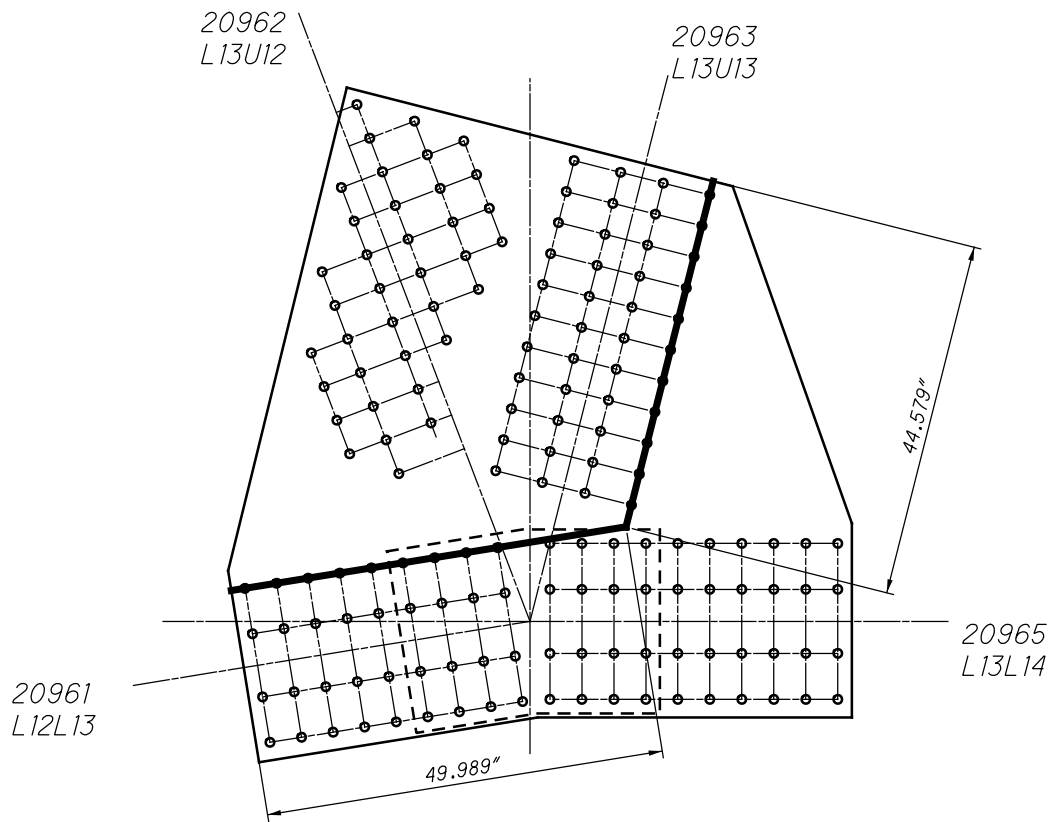
$L_c = 2.683''$

20961
L12L13

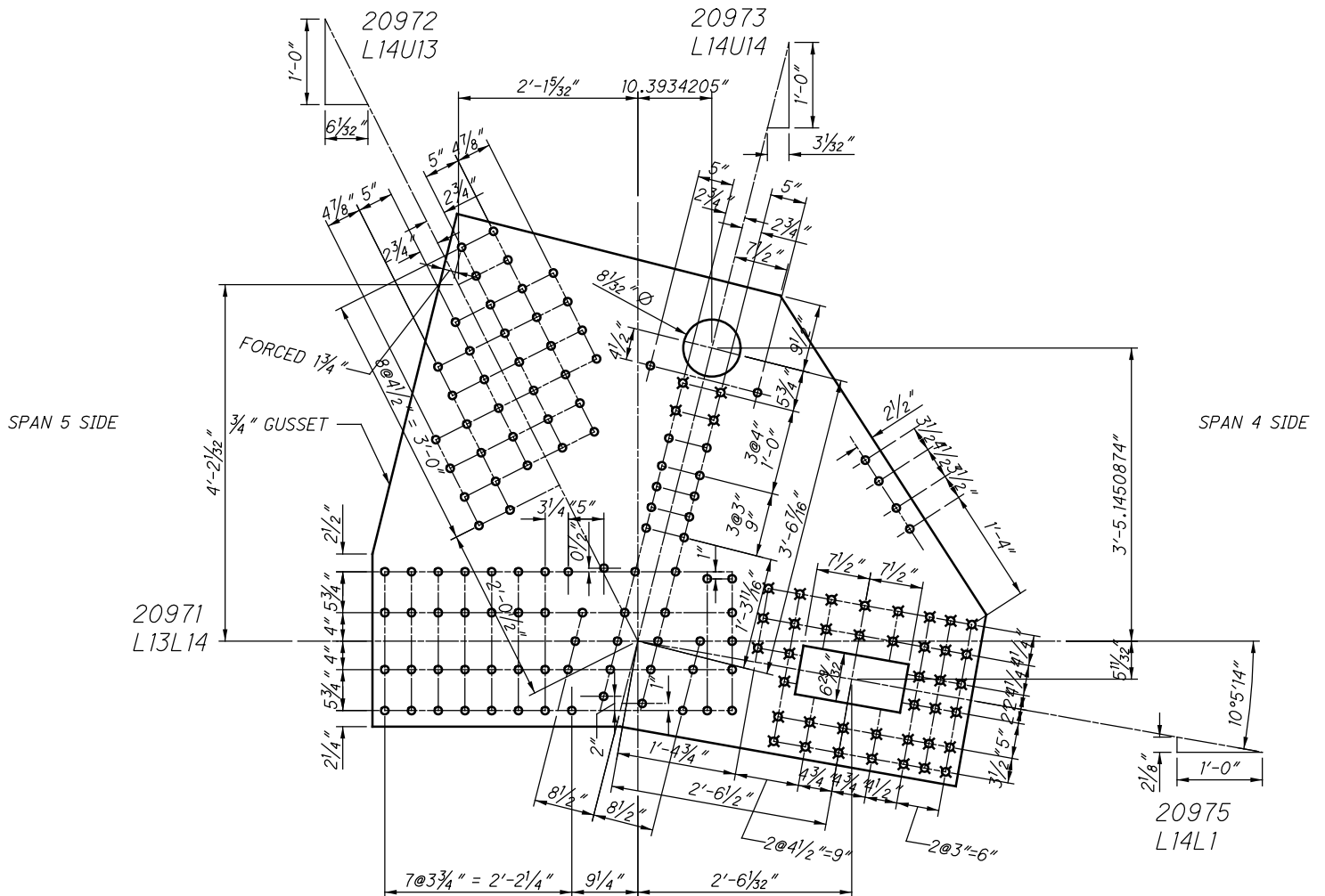
$L_c = 2.683''$

L96 INSIDE (SPAN 14)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

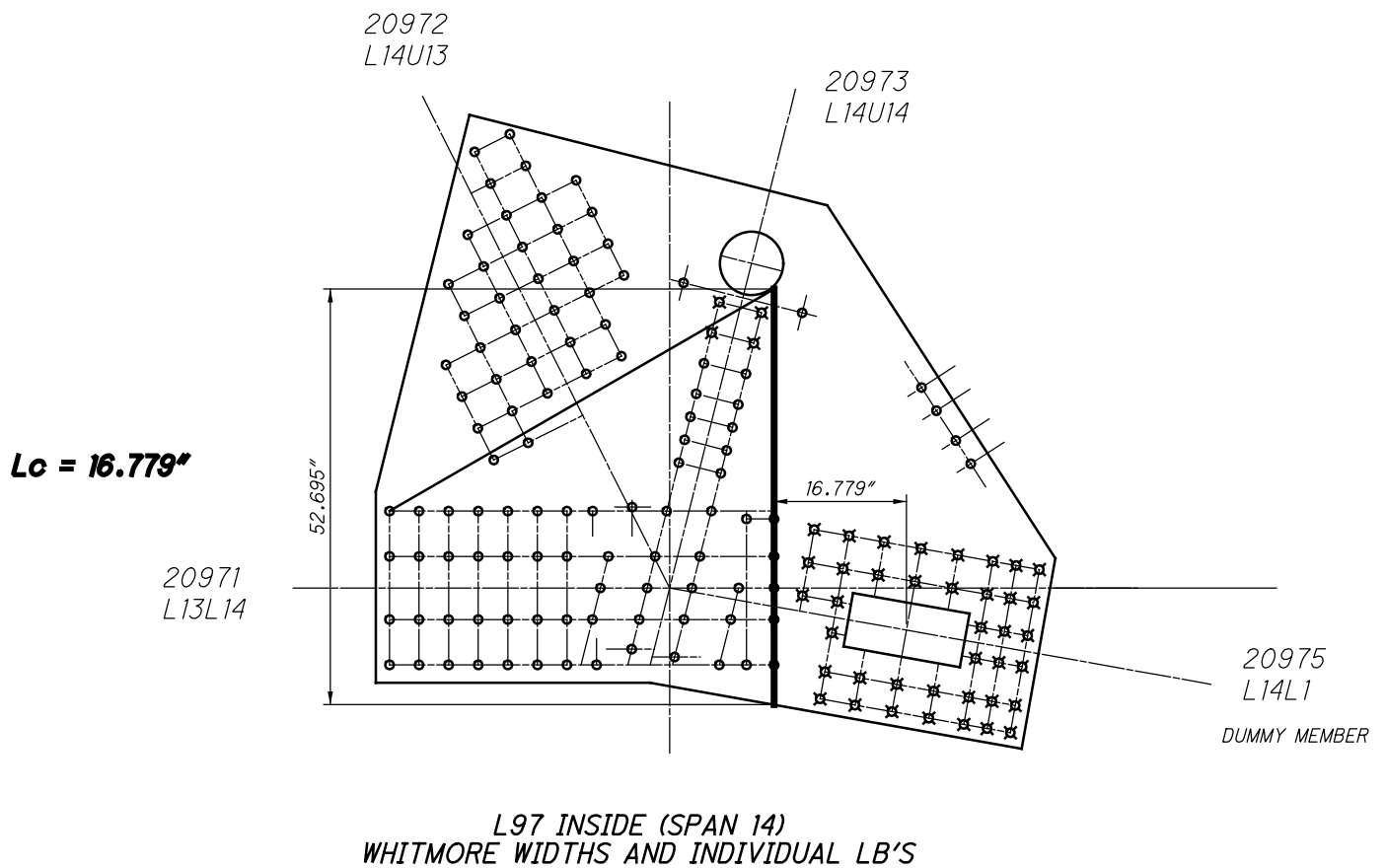
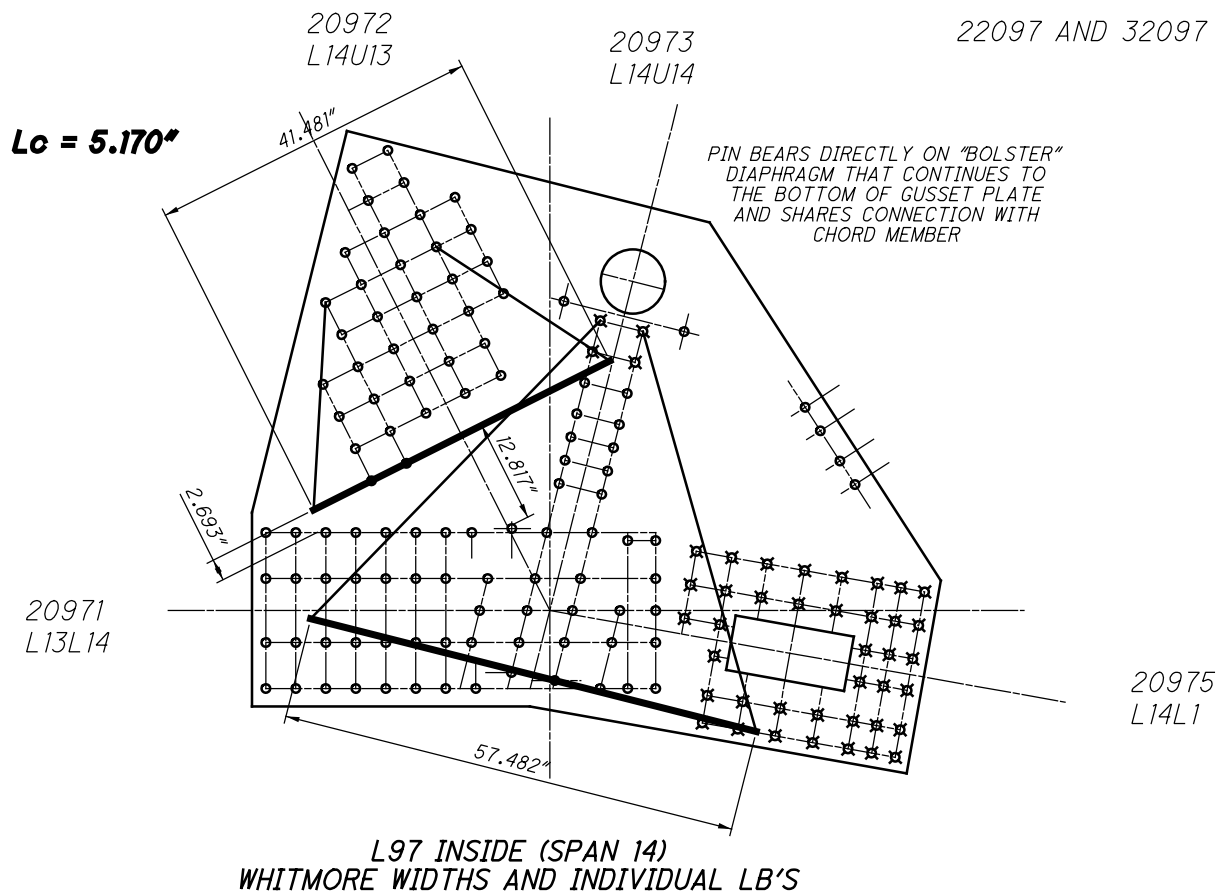


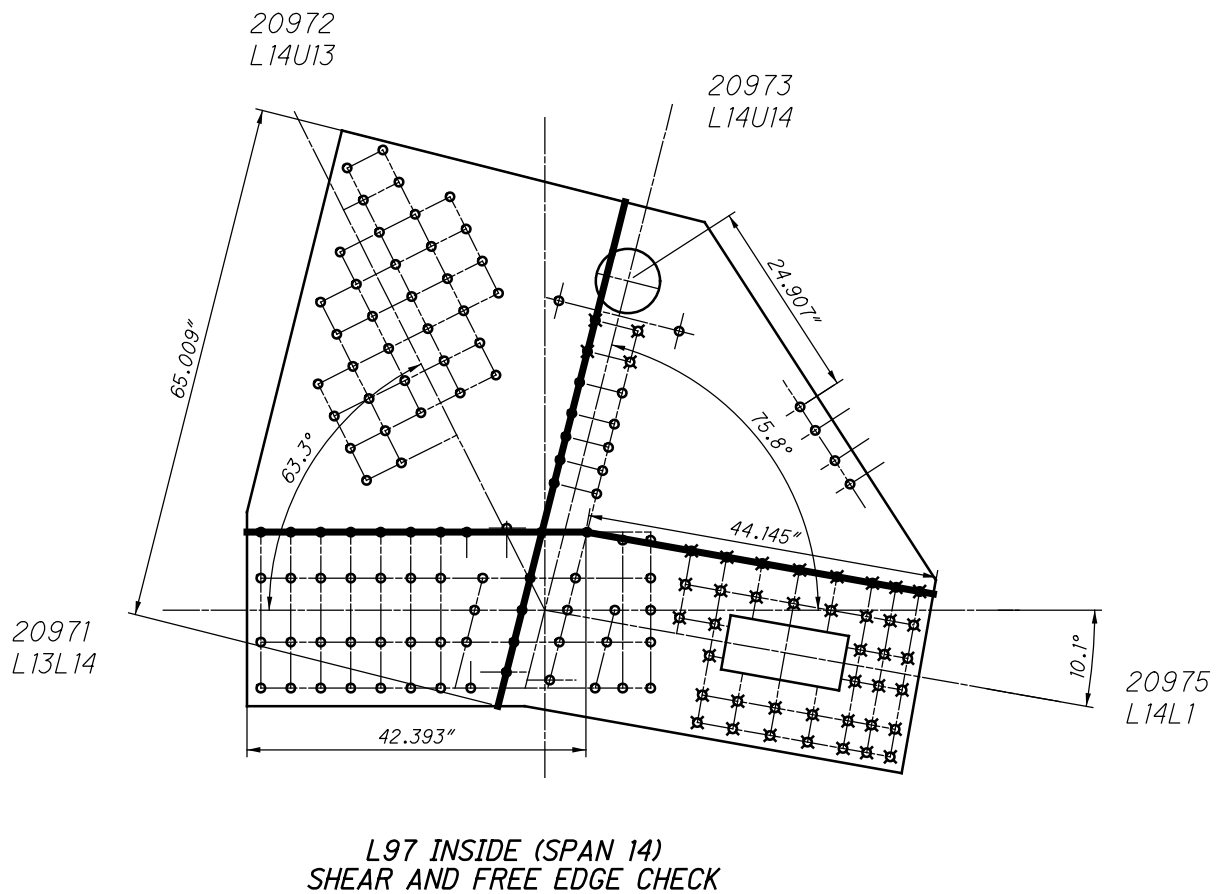
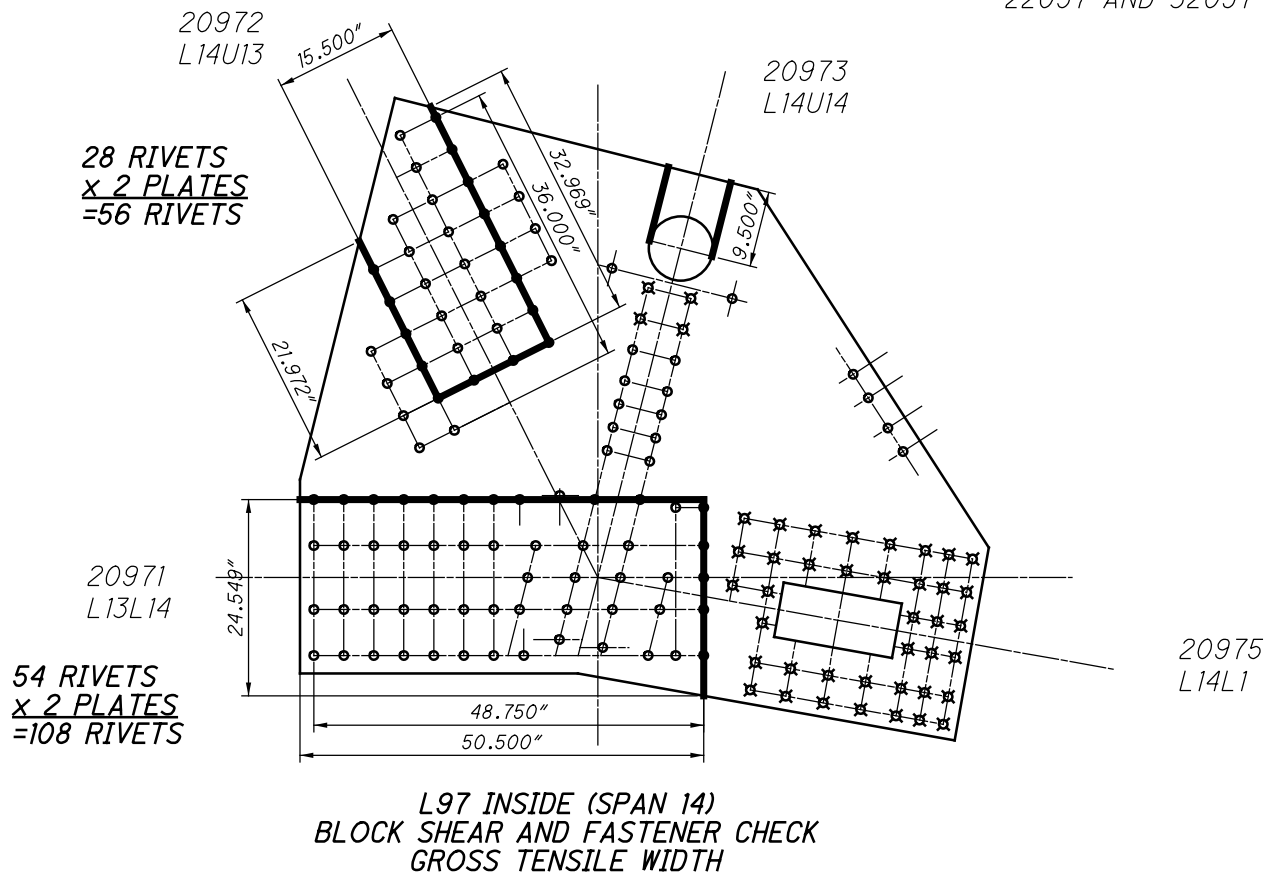


*L96 INSIDE (SPAN 14)
QUADRANT DIMENSIONS*



L97 INSIDE (SPAN 14)
(NEAR SIDE AND FAR SIDE)





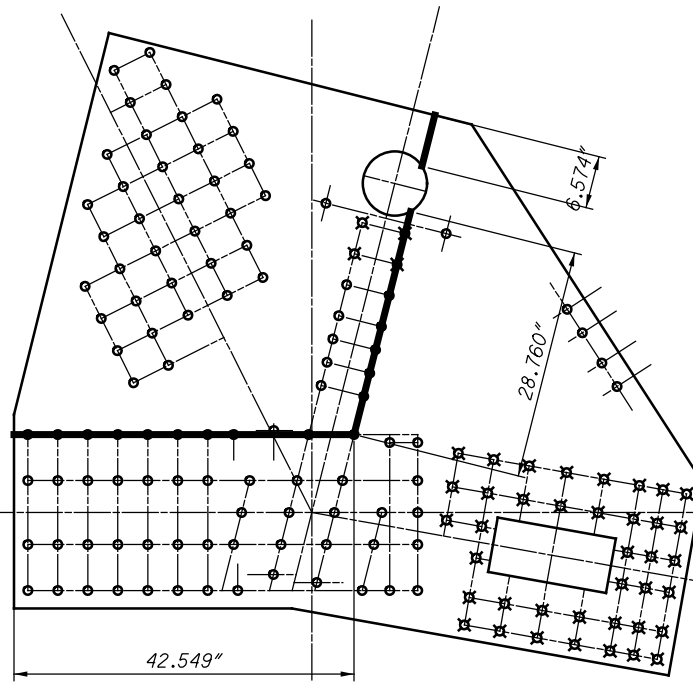
20972
L14U13

20973
L14U14

22097 AND 32097

20971
L13L14

20975
L14L1



L97 INSIDE (SPAN 14)
QUADRANT DIMENSIONS

**SPAN 15 GUSSET PLATES
LORAIN CARNEGIE**

CHECKED: _____

DATE: _____

LEGEND

- $1 \frac{1}{16}$ " HOLES TYPICAL

NOTES:

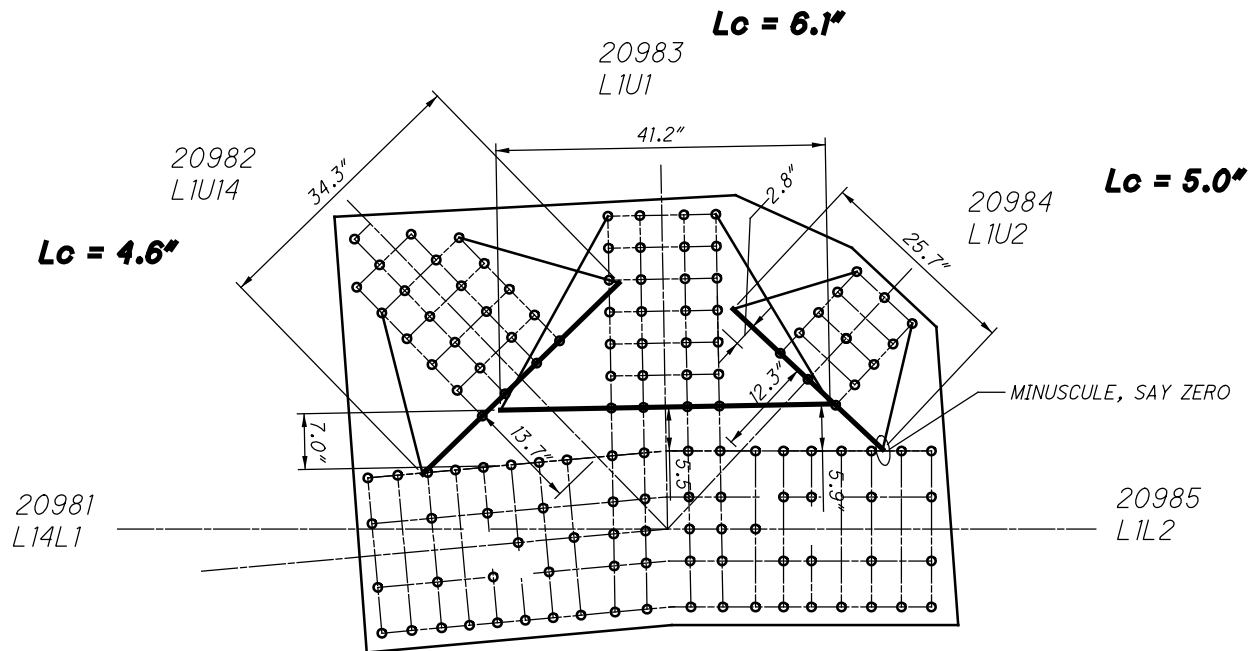
ALL EDGE DISTANCES ARE $1 \frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

SPLICE PLATES ARE NOT SHOWN

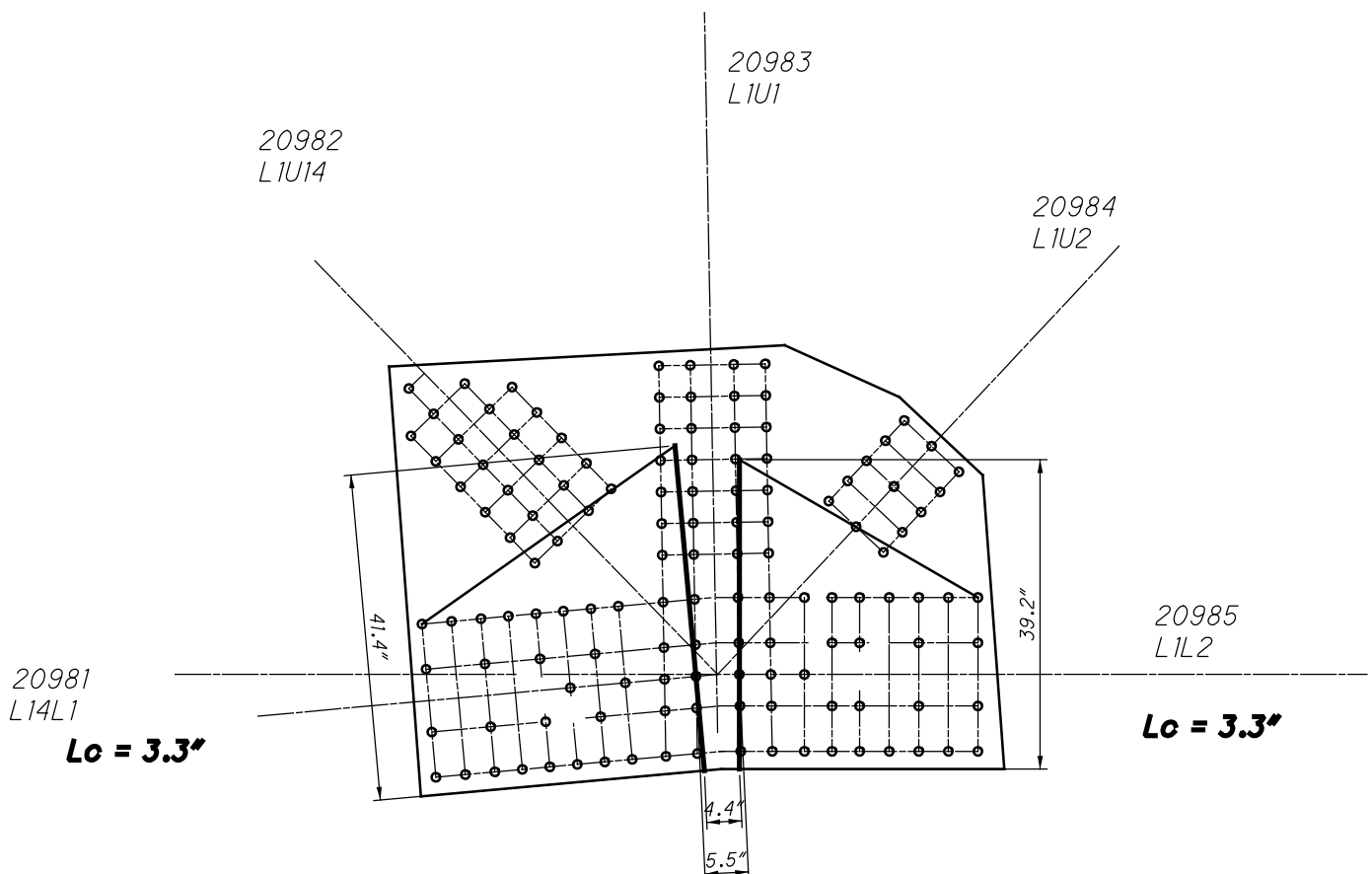
ALL GUSSET PLATES ARE COPPER
BEARING SILICON STEEL



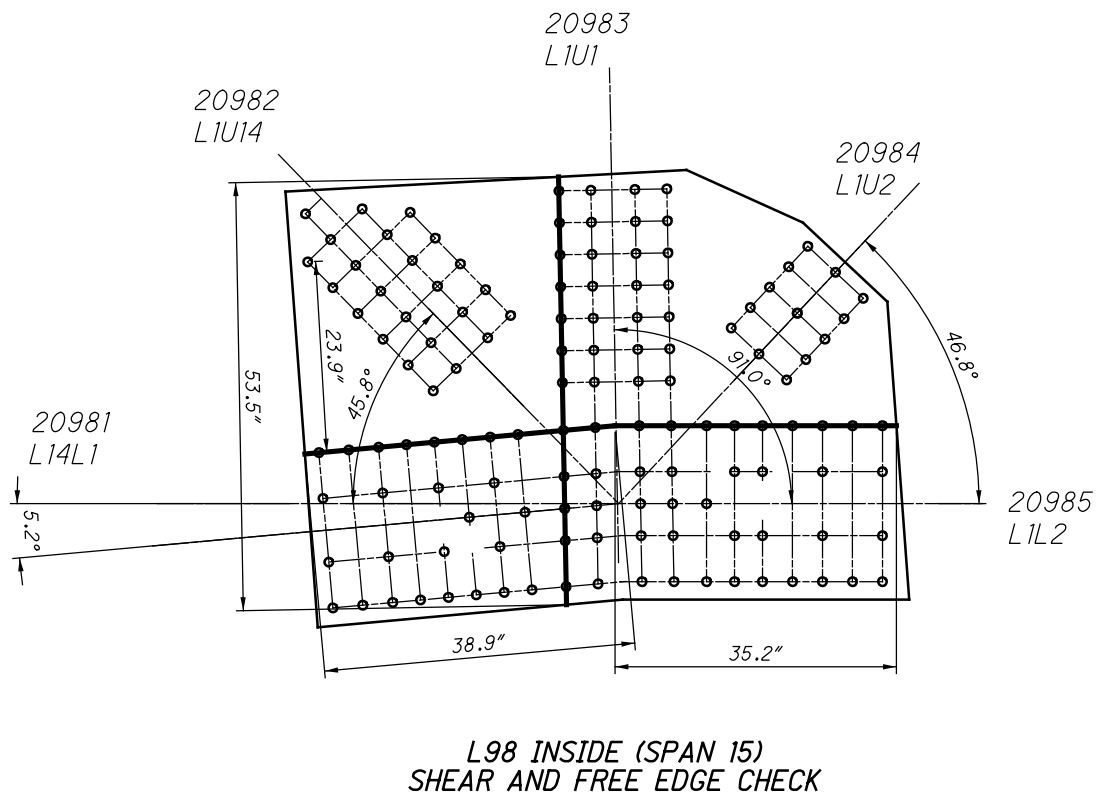
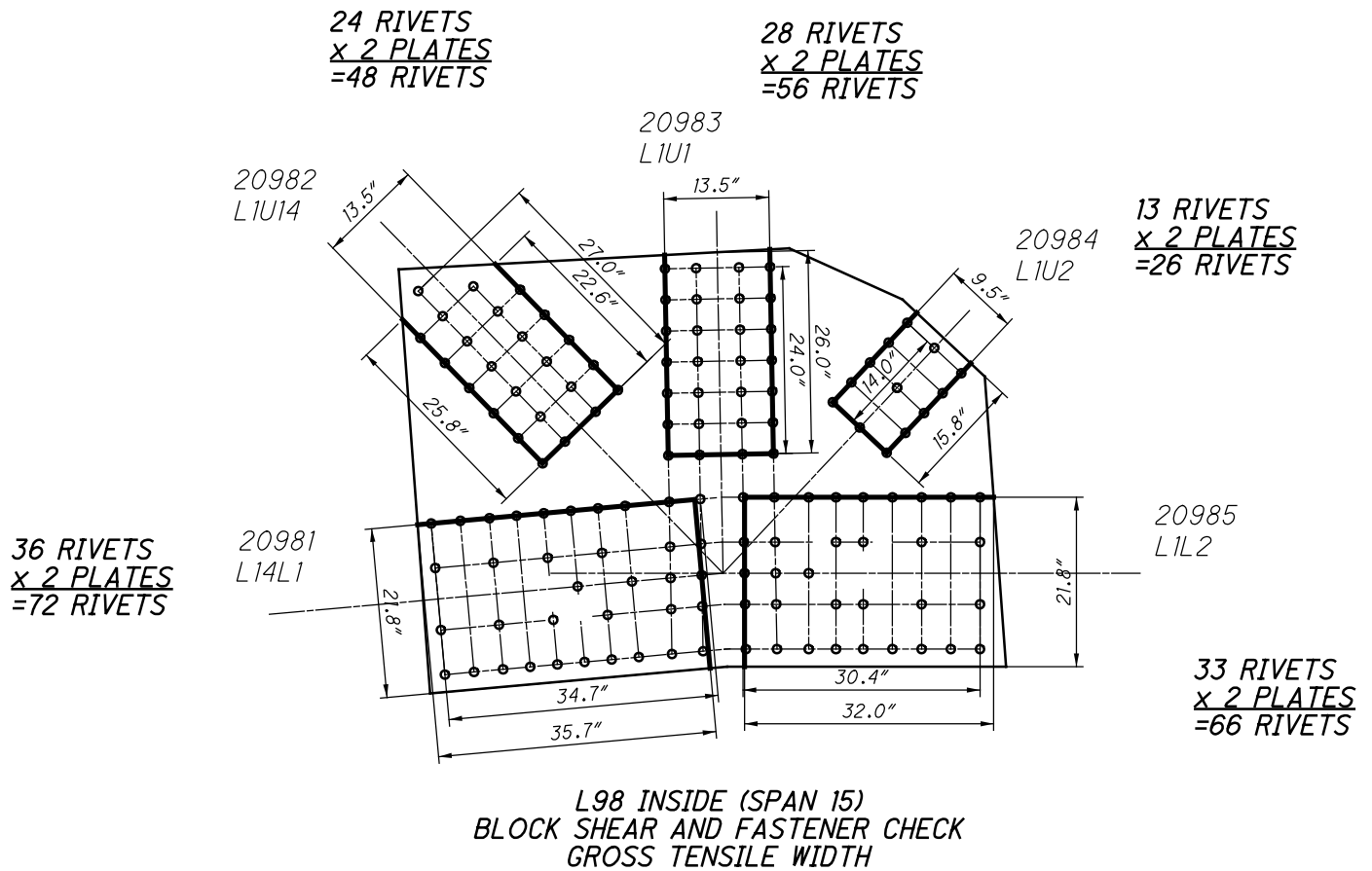
L98 INSIDE (SPAN 15)
L1 INSIDE (SPAN 15) SPAN 15



L98 INSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L98 INSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



20983
L1U1

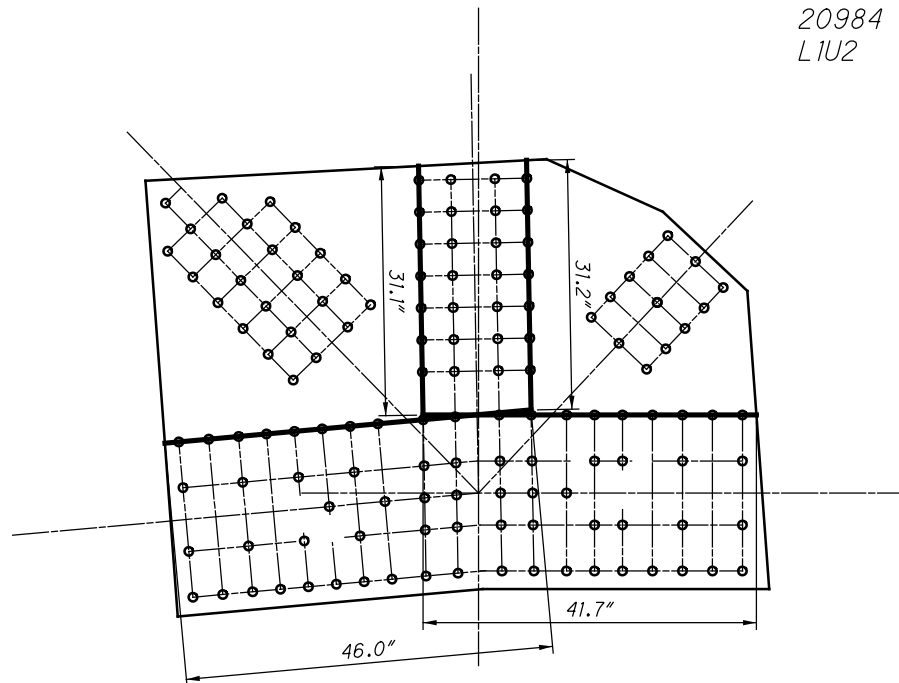
22098 AND 32098

20982
L1U14

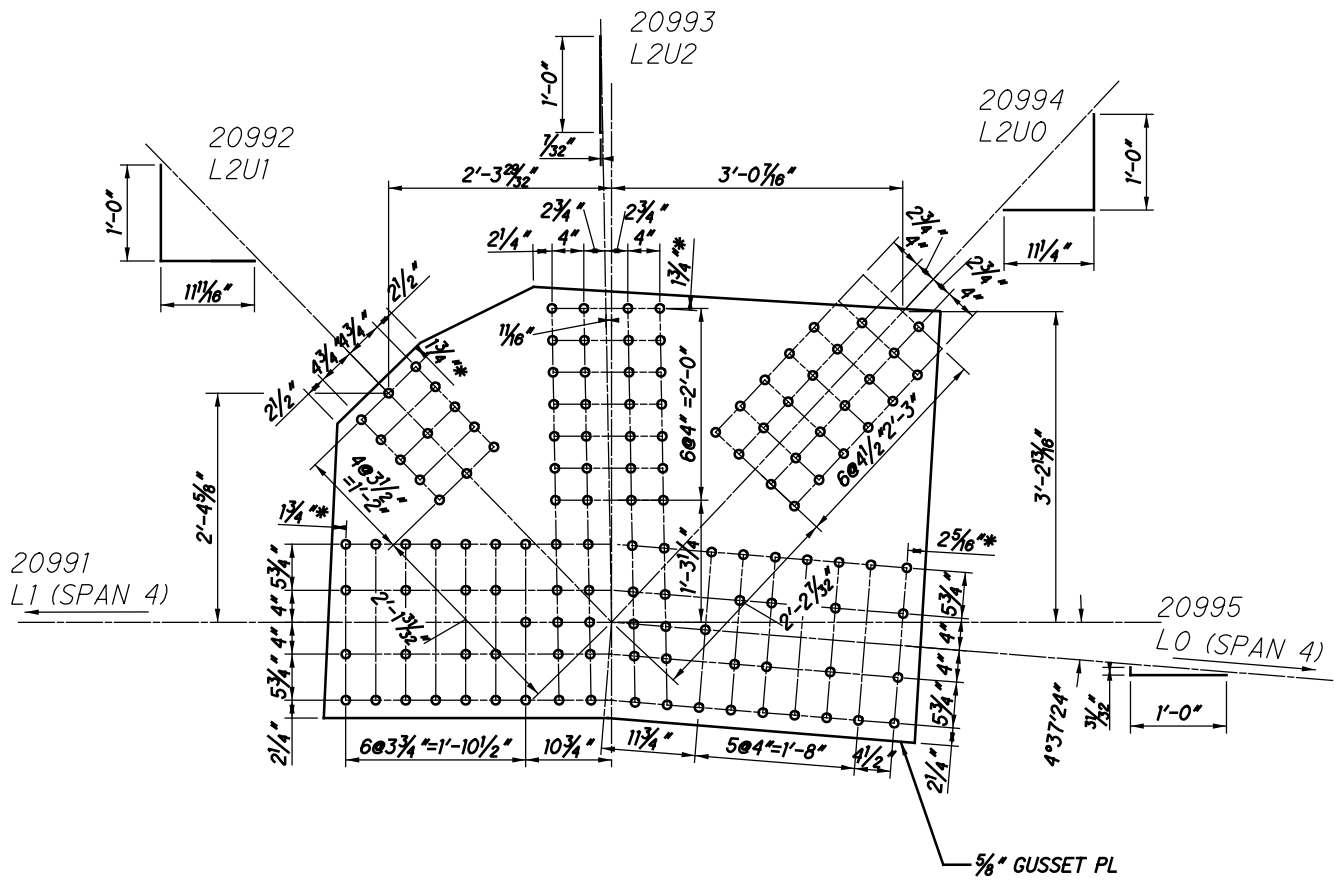
20984
L1U2

20981
L14L1

20985
L1L2



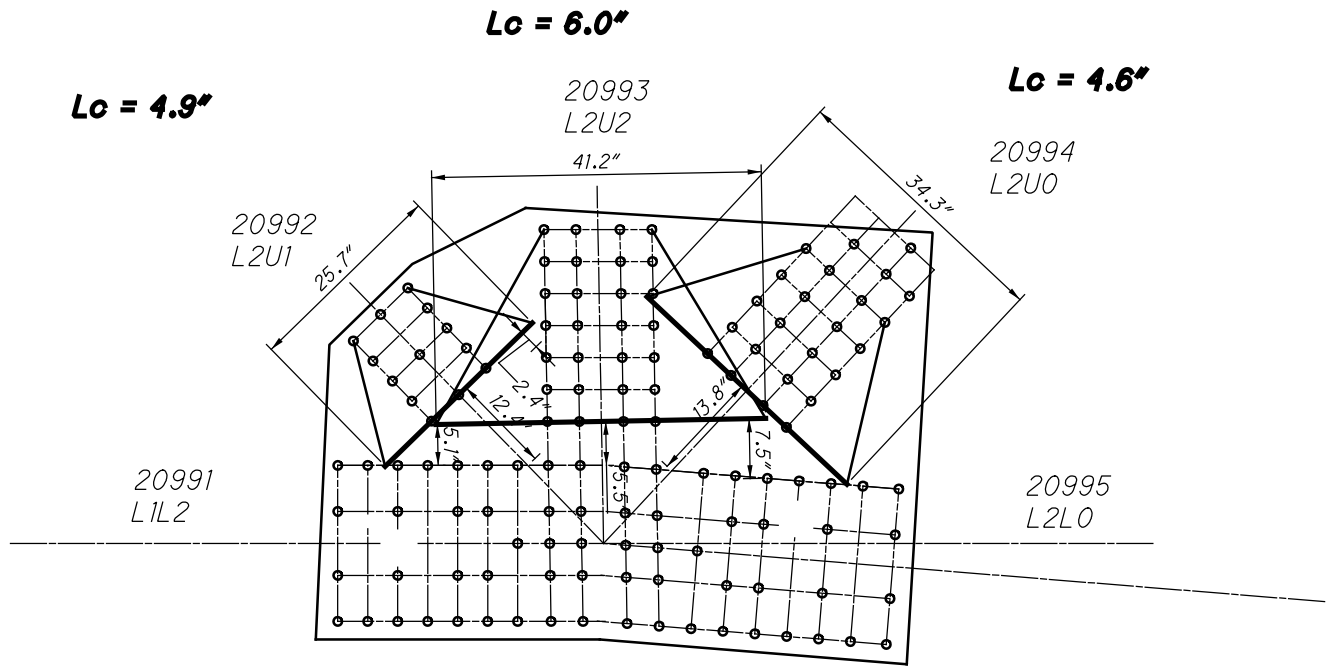
L98 INSIDE (SPAN 15)
QUADRANT DIMENSIONS



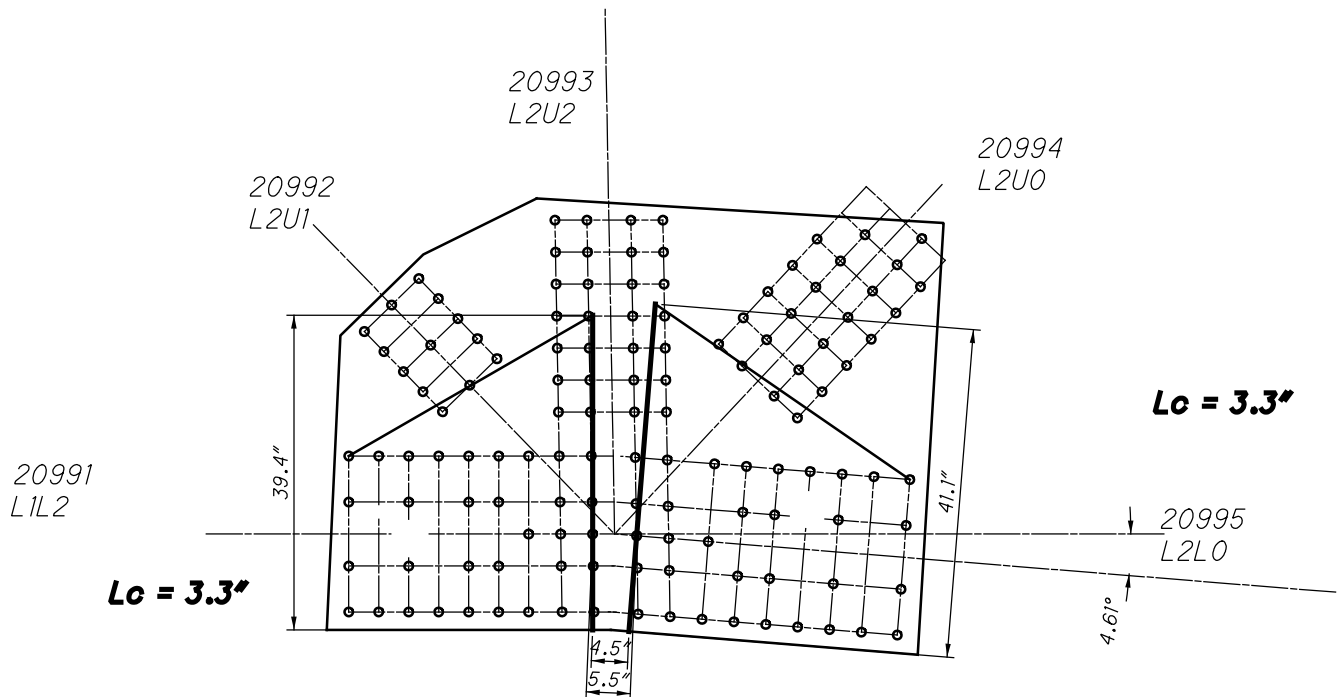
*** MINIMUM EDGE DISTANCE**

L99 INSIDE (SPAN 15)

L2 INSIDE (SPAN 15) SPAN 15



L99 INSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L99 INSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

$$\begin{array}{r} 28 \text{ RIVETS} \\ \times 2 \text{ PLATES} \\ \hline = 56 \text{ RIVETS} \end{array}$$
$$\begin{array}{r} 13 \text{ RIVETS} \\ \times 2 \text{ PLATES} \\ \hline = 26 \text{ RIVETS} \end{array}$$

20993
L2U2

20994
L2U0

$$\begin{array}{r} 24 \text{ RIVETS} \\ \times 2 \text{ PLATES} \\ \hline = 48 \text{ RIVETS} \end{array}$$

20992
L2U1

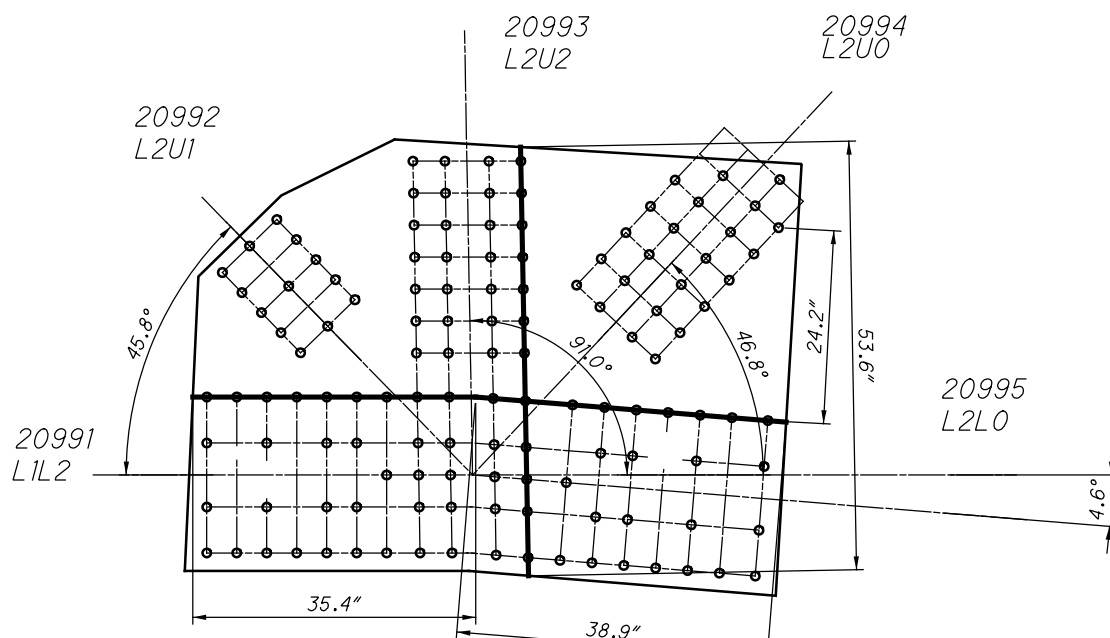
20991
L1L2

$$\begin{array}{r} 33 \text{ RIVETS} \\ \times 2 \text{ PLATES} \\ \hline = 66 \text{ RIVETS} \end{array}$$

20995
L2L0

$$\begin{array}{r} 33 \text{ RIVETS} \\ \times 2 \text{ PLATES} \\ \hline = 66 \text{ RIVETS} \end{array}$$

L99 INSIDE (SPAN 15)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



L99 INSIDE (SPAN 15)
SHEAR AND FREE EDGE CHECK

20993
L2U2

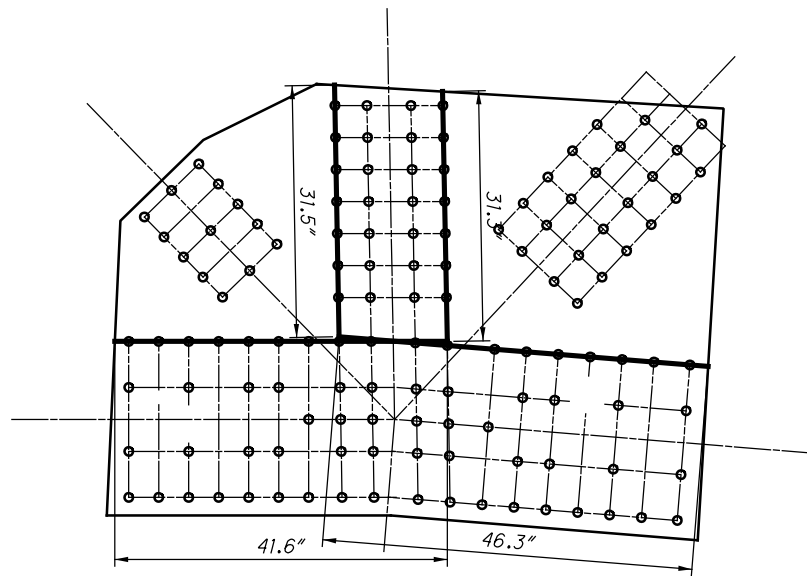
22099 AND 32099

20992
L2U1

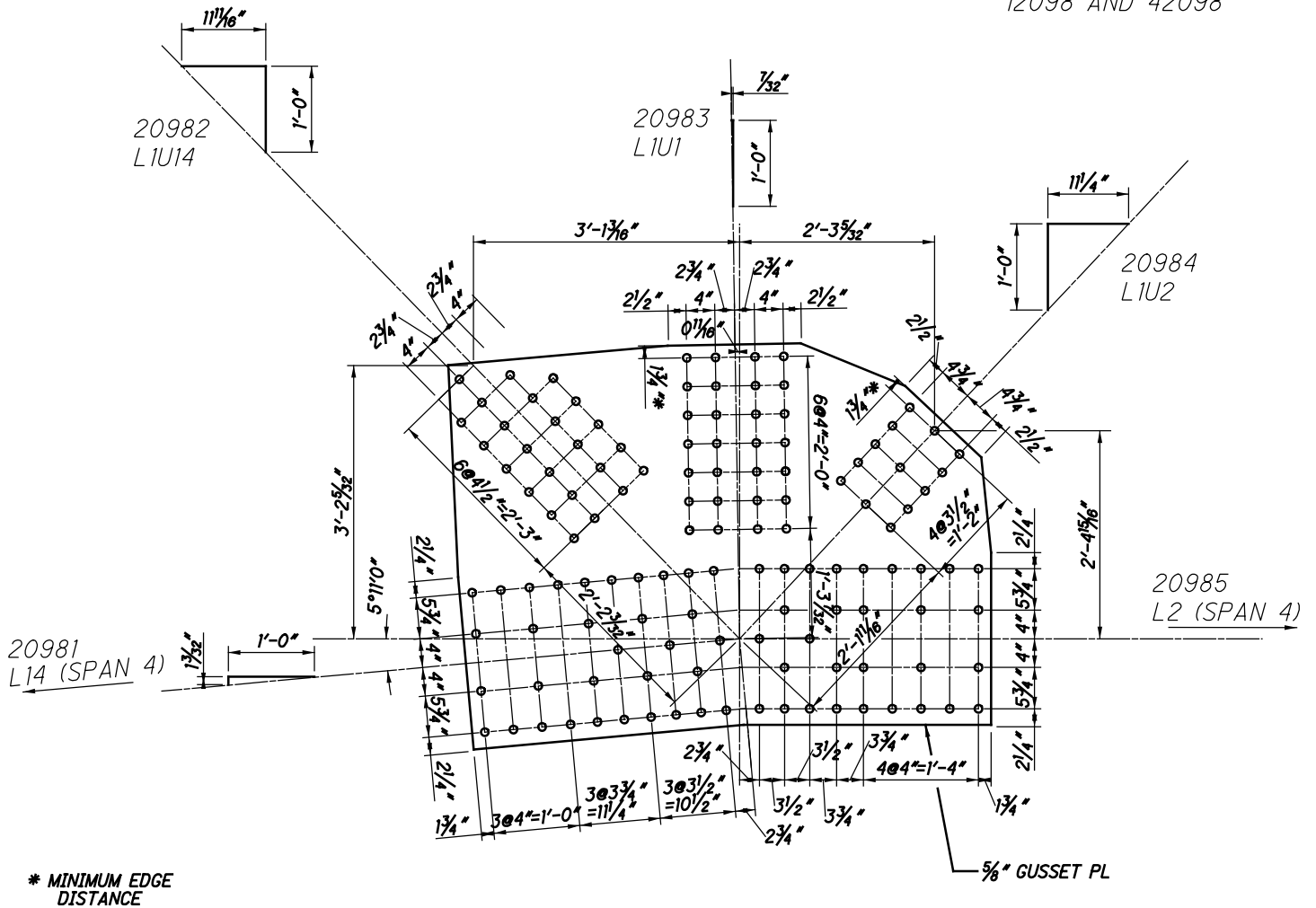
20994
L2U0

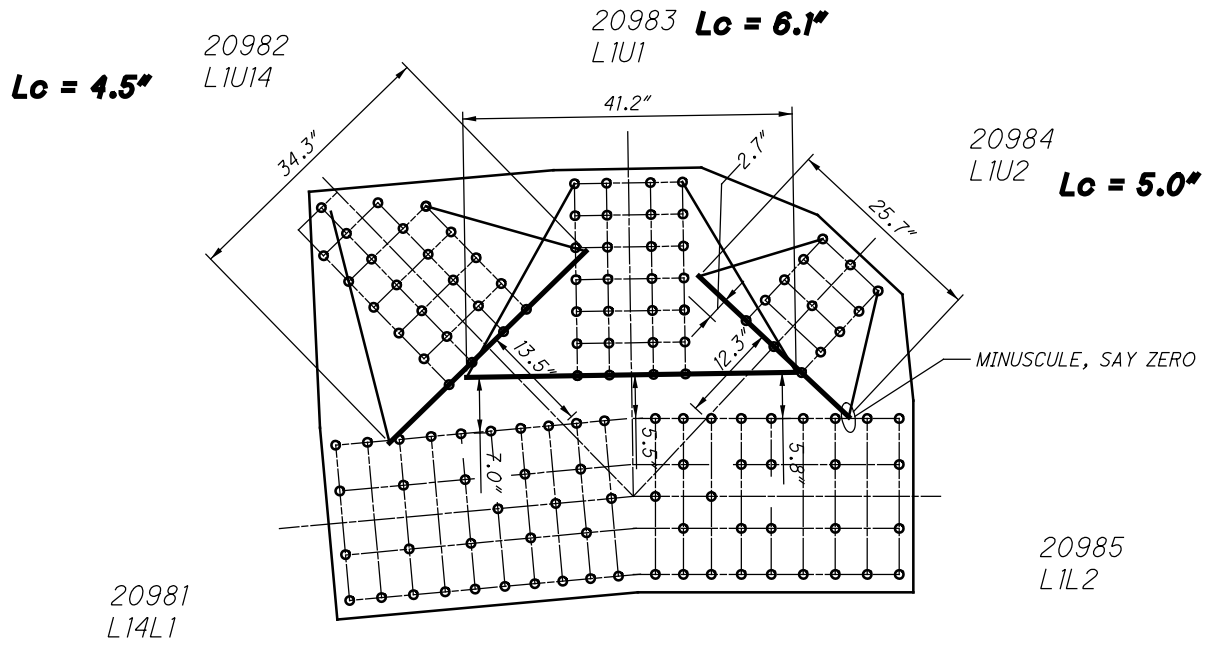
20991
L1L2

20995
L2L0

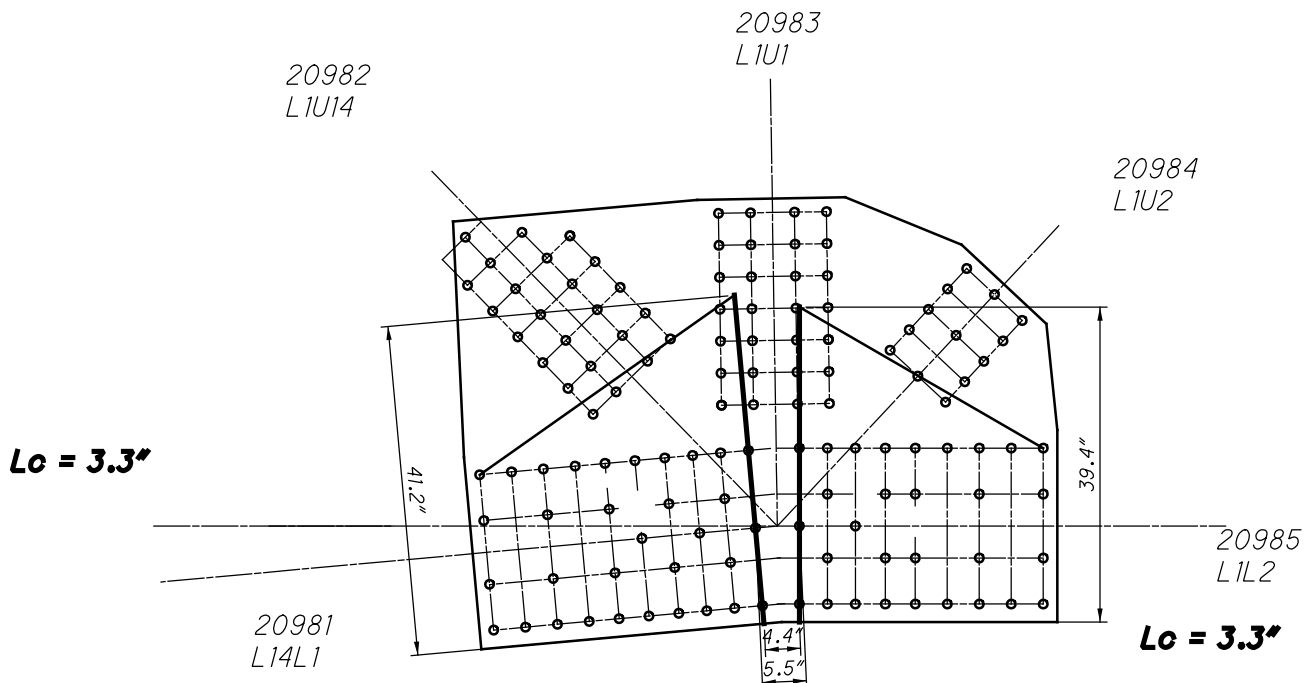


*L99 INSIDE (SPAN 15)
QUADRANT DIMENSIONS*

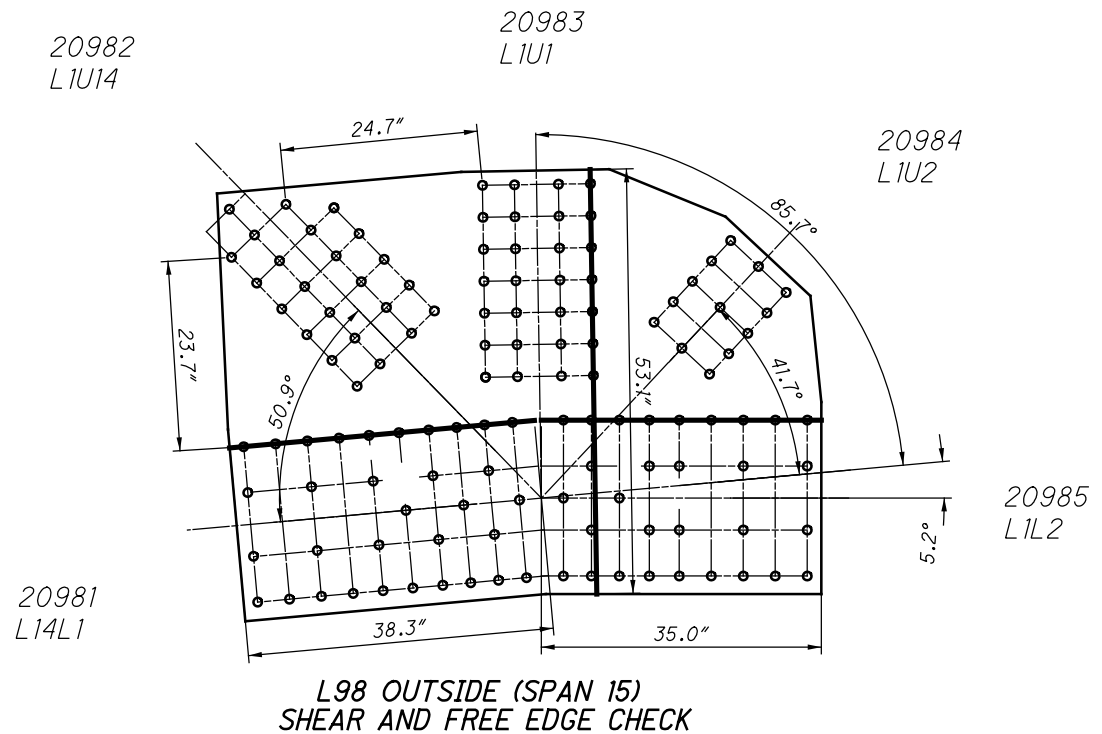
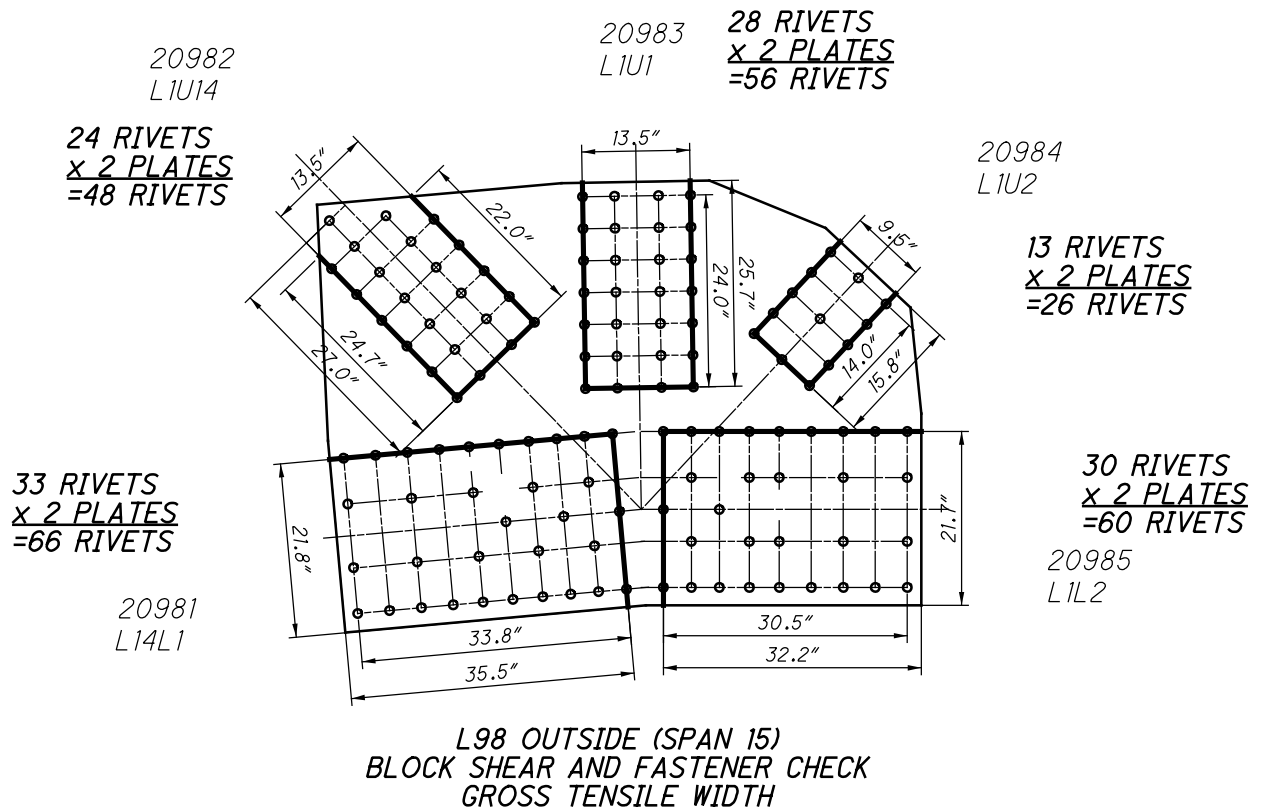




L98 OUTSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



L98 OUTSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



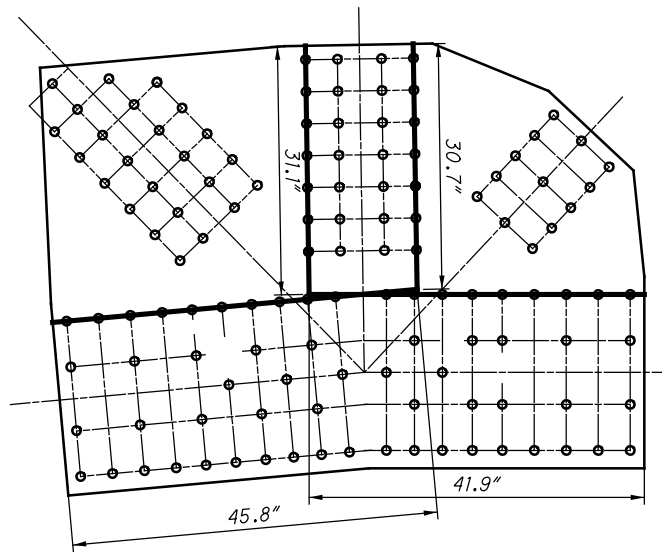
20982
L1U14

20983
L1U1

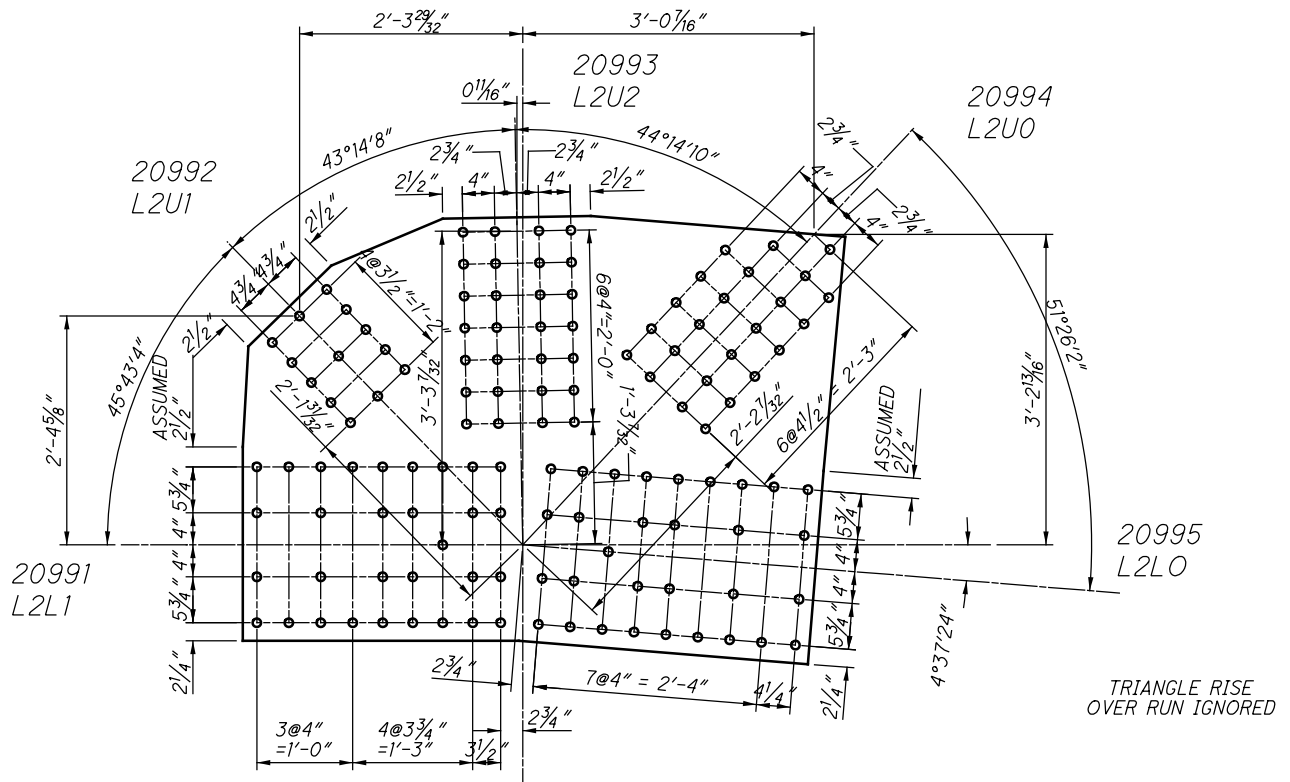
20984
L1U2

20981
L14L1

20985
L1L2



L98 OUTSIDE (SPAN 15)
QUADRANT DIMENSIONS



L99 OUTSIDE (SPAN 15)
L2 OUTSIDE (SPAN 15) SPAN 15

12099 AND 42099

$L_c = 6.0''$

20993
L2U2

20994
L2U0

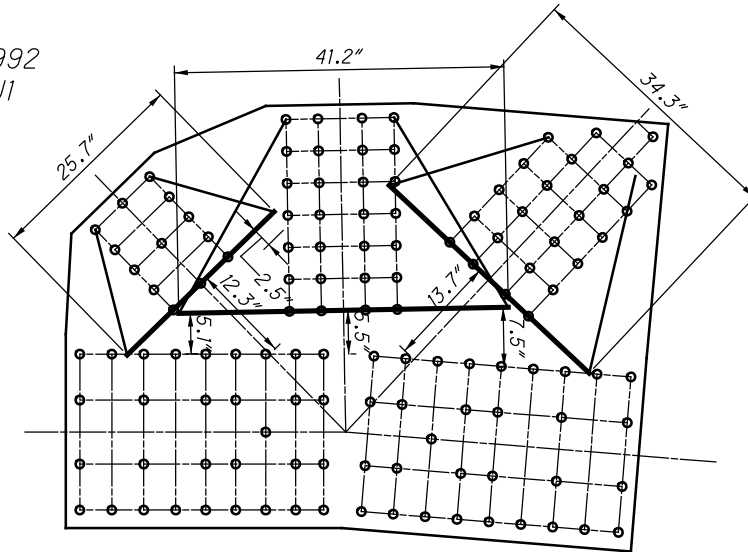
$L_c = 4.6''$

$L_c = 4.9''$

20992
L2U1

20991
L2L1

20995
L2L0



L99 OUTSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

20993
L2U2

20994
L2U0

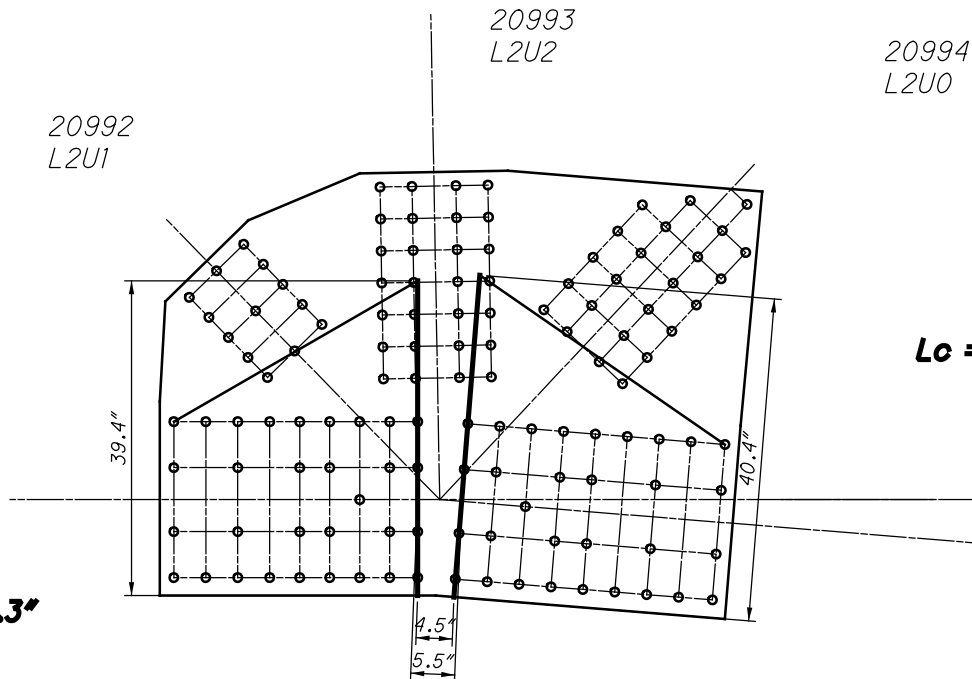
20992
L2U1

20991
L2L1

20995
L2L0

$L_c = 3.3''$

$L_c = 3.3''$



L99 OUTSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

28 RIVETS
x 2 PLATES
=56 RIVETS

20993
L2U2

12099 AND 42099

20994
L2U0

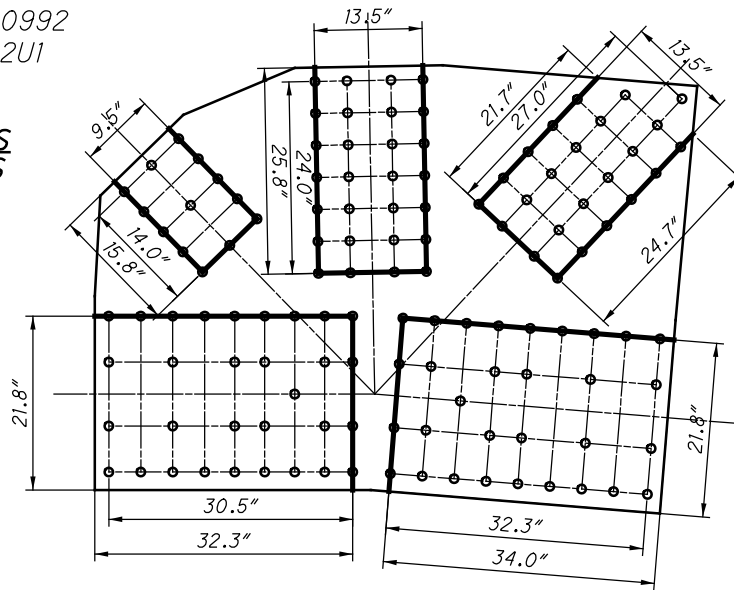
20992
L2U1

13 RIVETS
x 2 PLATES
=26 RIVETS

24 RIVETS
x 2 PLATES
=48 RIVETS

20991
L2L1
31 RIVETS
x 2 PLATES
=62 RIVETS

31 RIVETS
x 2 PLATES
=62 RIVETS 20995
L2L0



L99 OUTSIDE (SPAN 15)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

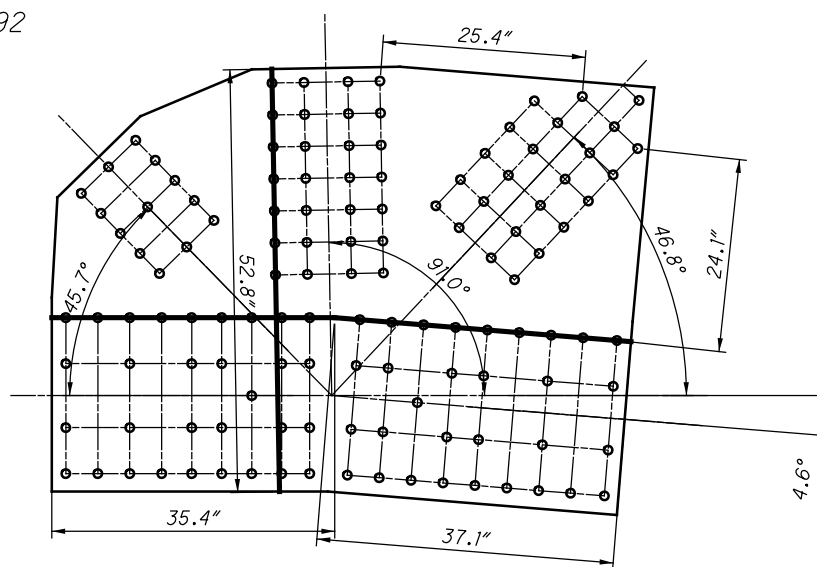
20993
L2U2

20994
L2U0

20992
L2U1

20991
L2L1

20995
L2L0



L99 OUTSIDE (SPAN 15)
SHEAR AND FREE EDGE CHECK

12099 AND 42099

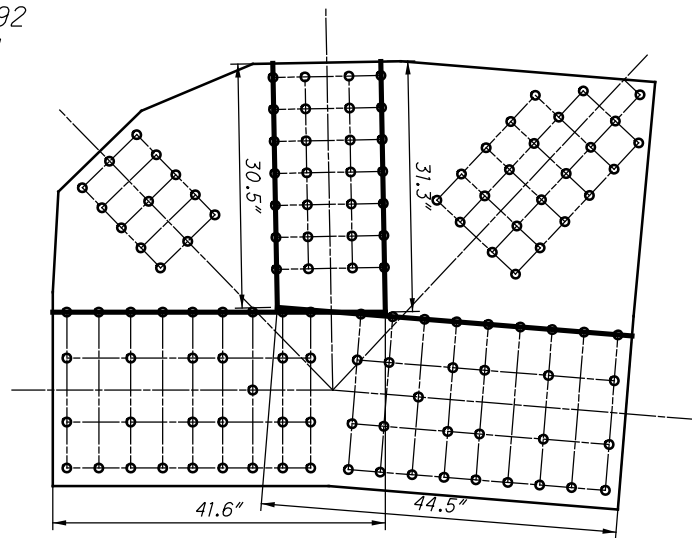
20993
L2U2

20994
L2U0

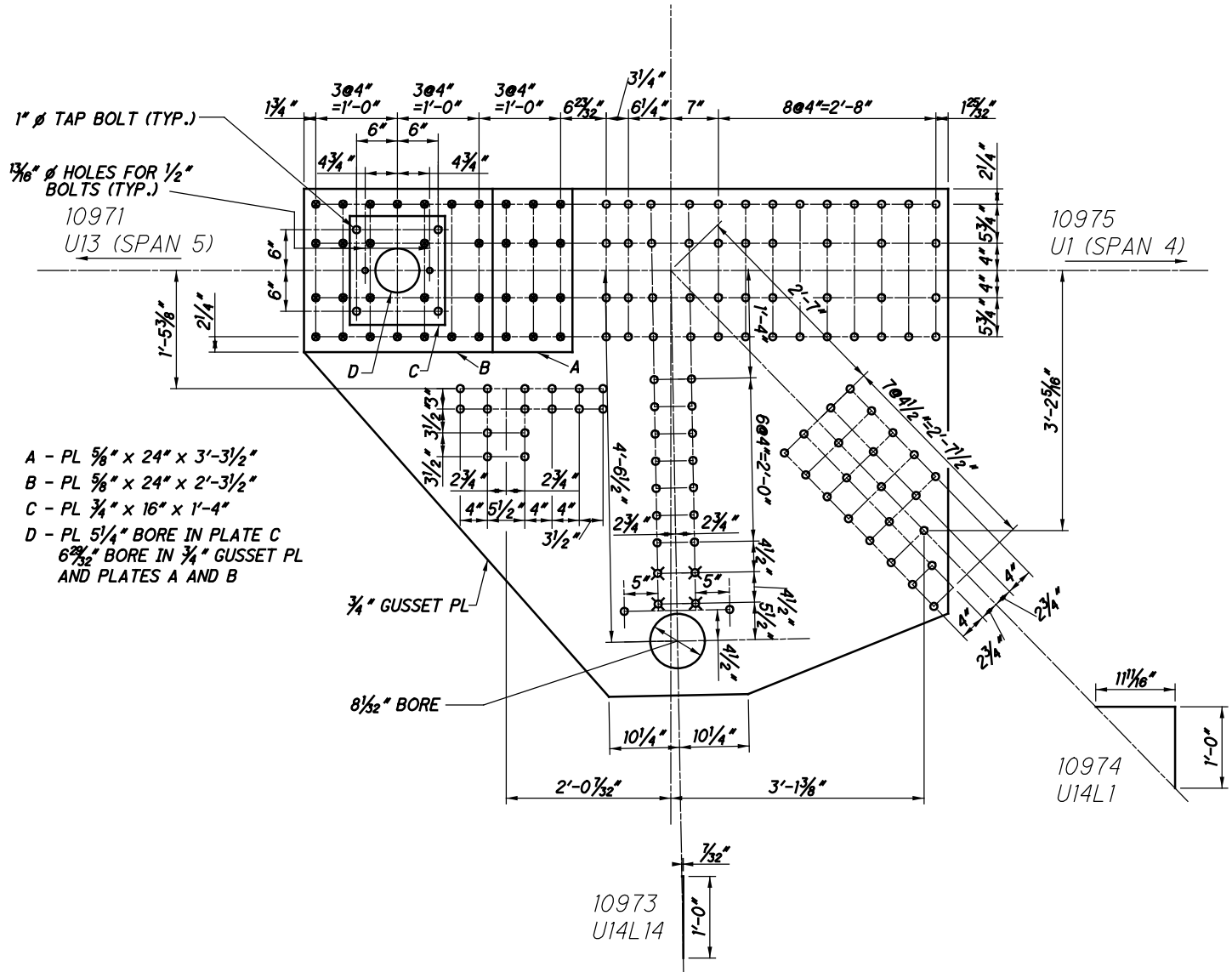
20992
L2U1

20991
L2L1

20995
L2L0



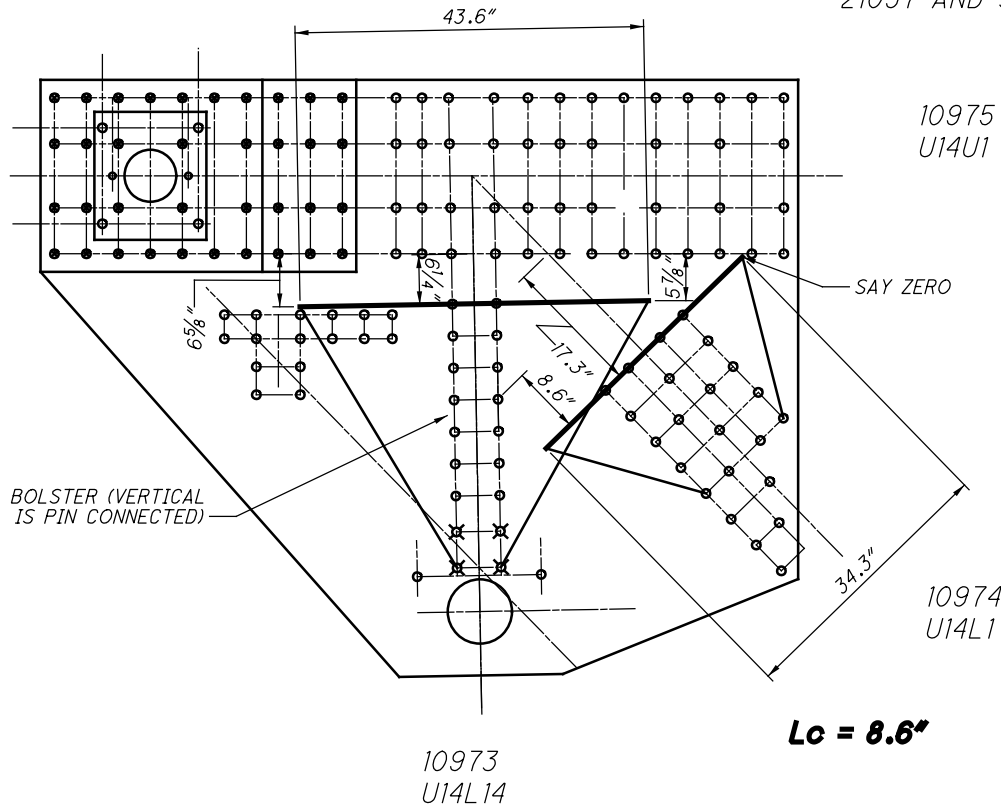
**L99 OUTSIDE (SPAN 15)
QUADRANT DIMENSIONS**



21097 AND 31097

10971
U13U14

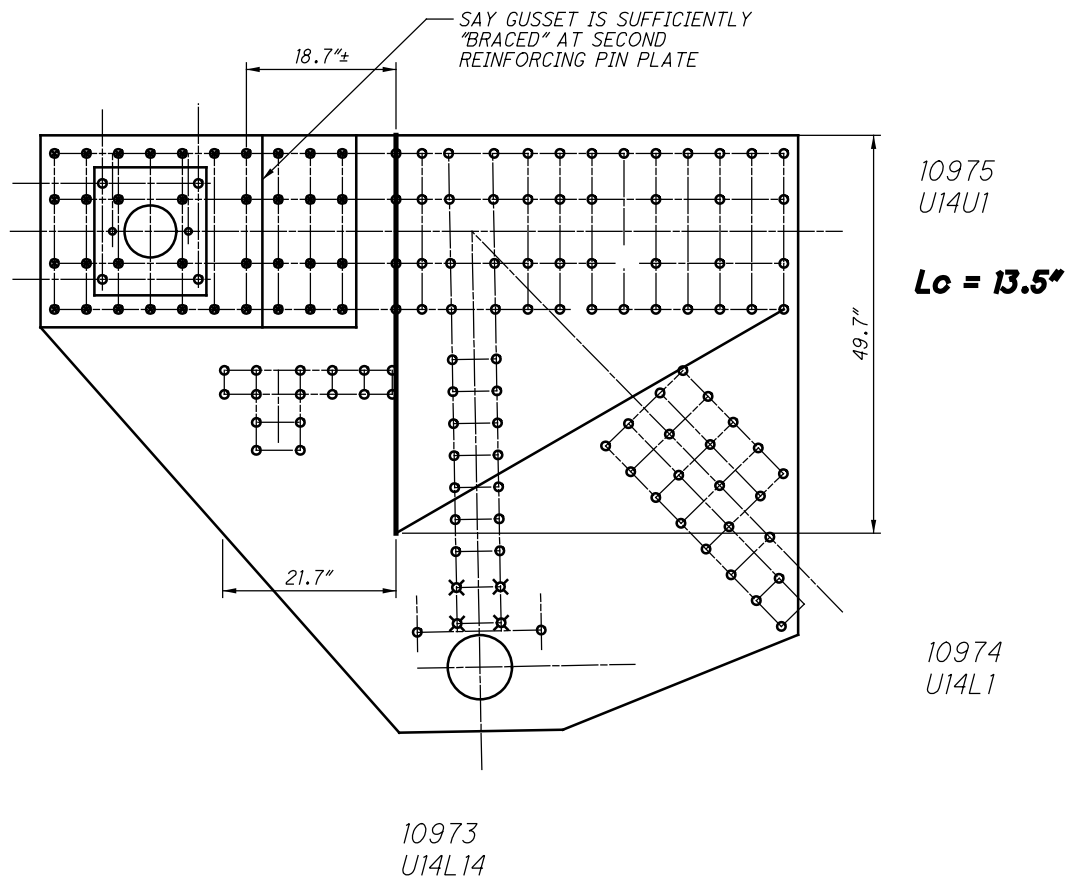
10975
U14U1



U97 INSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

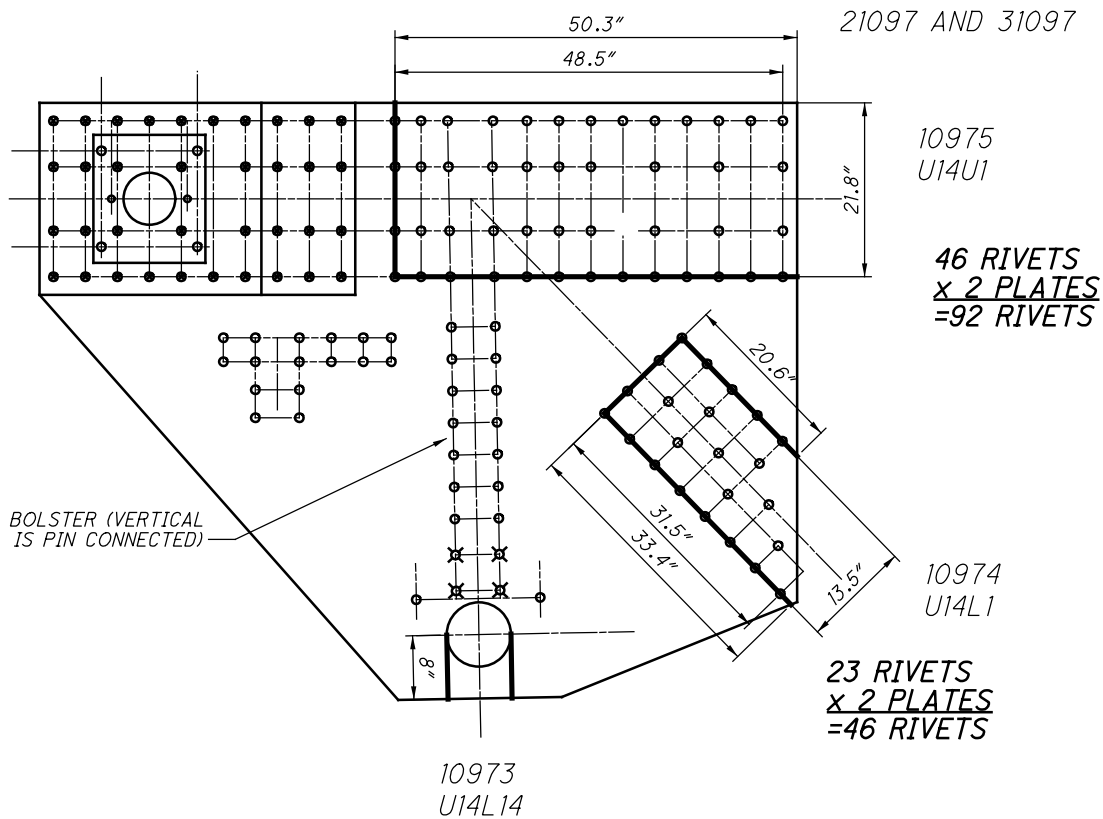
10971
U13U14

10975
U14U1



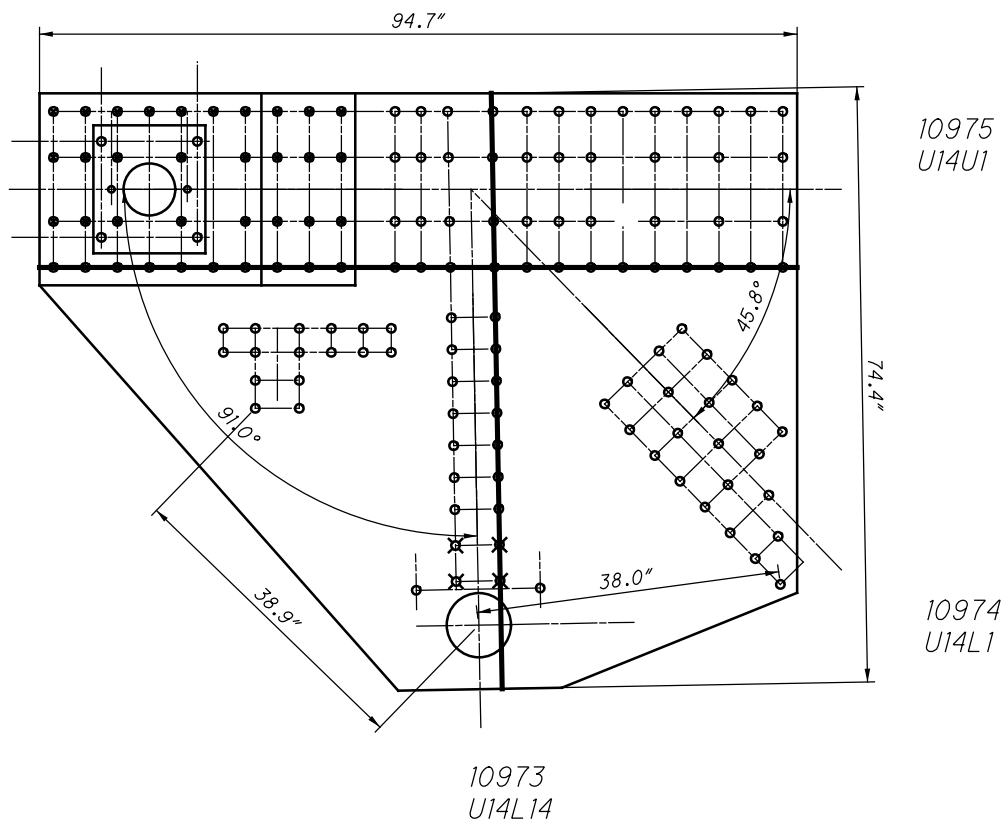
U97 INSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

10971
U13U14



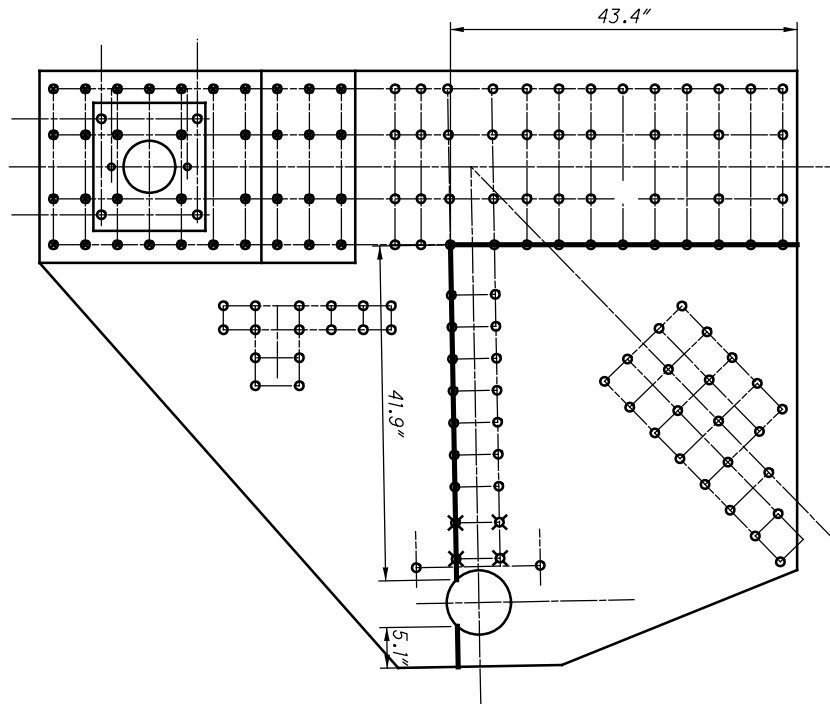
U97 INSIDE (SPAN 15)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

10971
U13U14



U97 INSIDE (SPAN 15)
SHEAR AND FREE EDGE CHECK

10971
U13U14



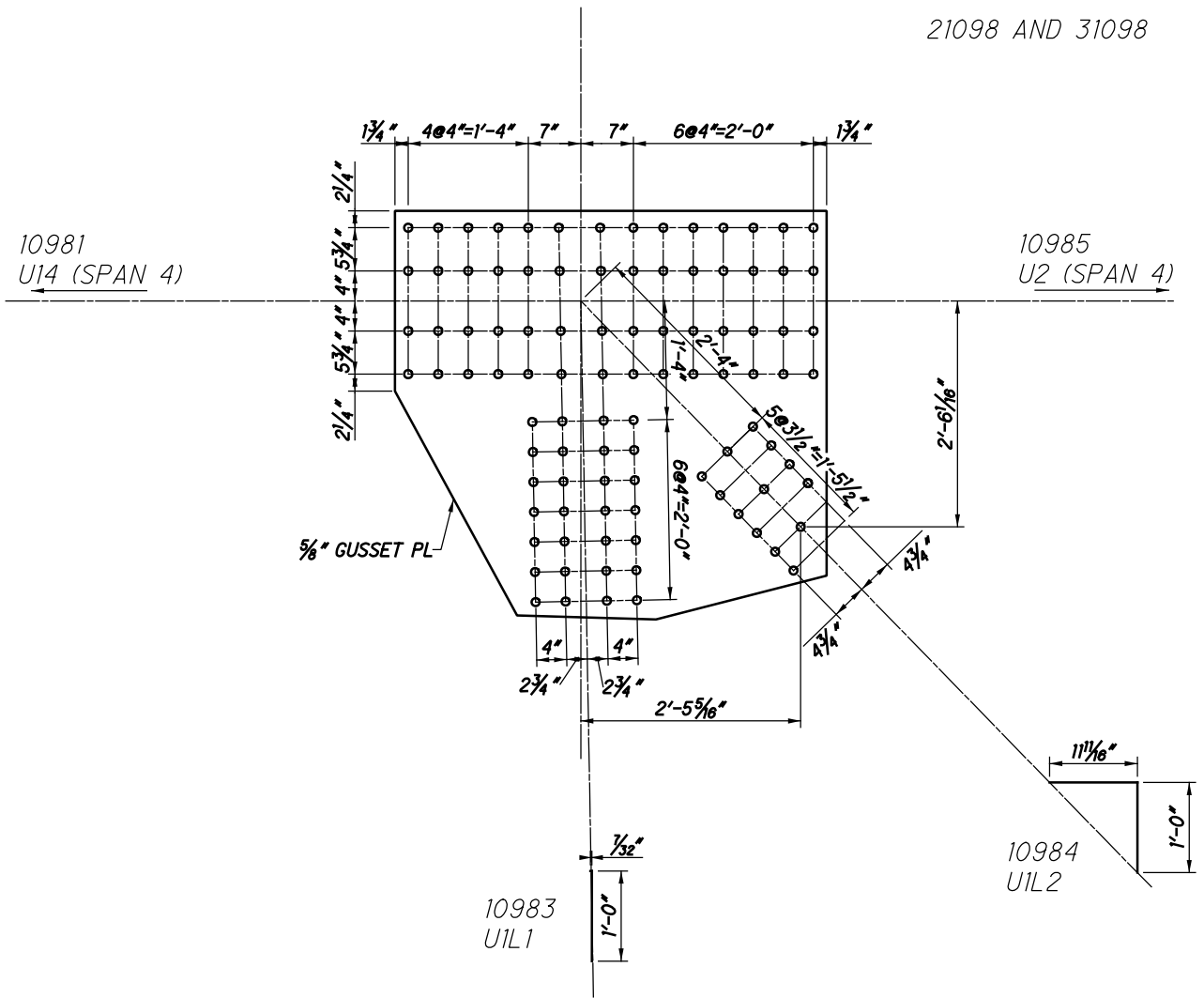
21097 AND 31097

10975
U14U1

10974
U14L1

10973
U14L14

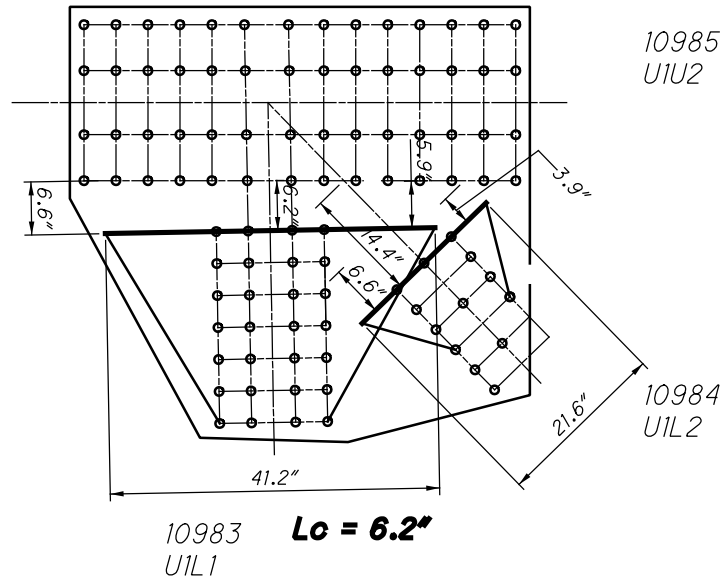
U97 INSIDE (SPAN 15)
QUADRANT DIMENSIONS



U98 INSIDE (SPAN 15)

U1 INSIDE (SPAN 15) SPAN 15

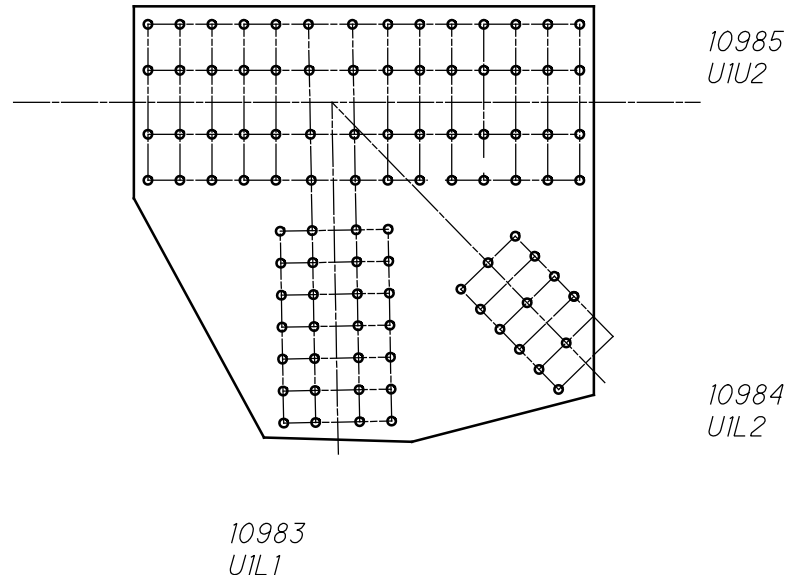
10981
U14U1



U98 INSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

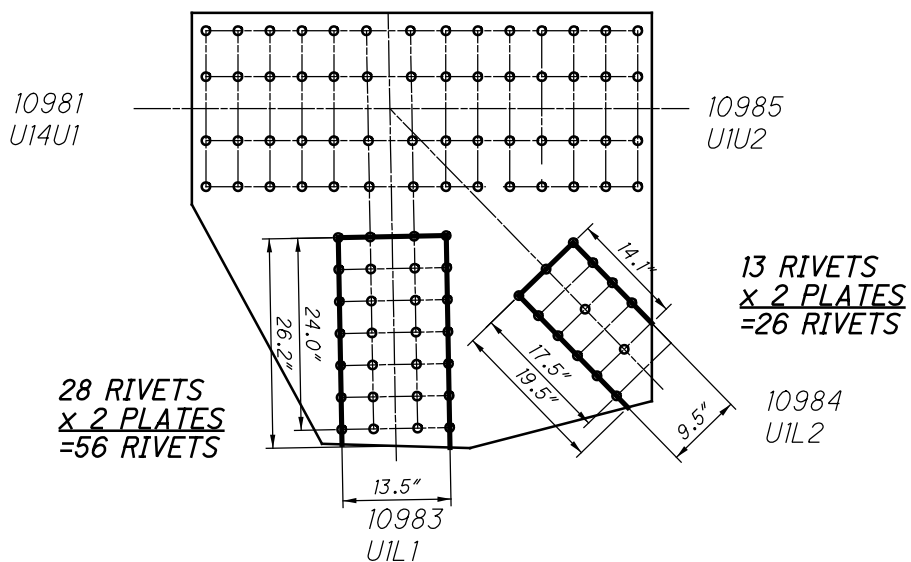
CHORD IS CONTINUOUS

10981
U14U1

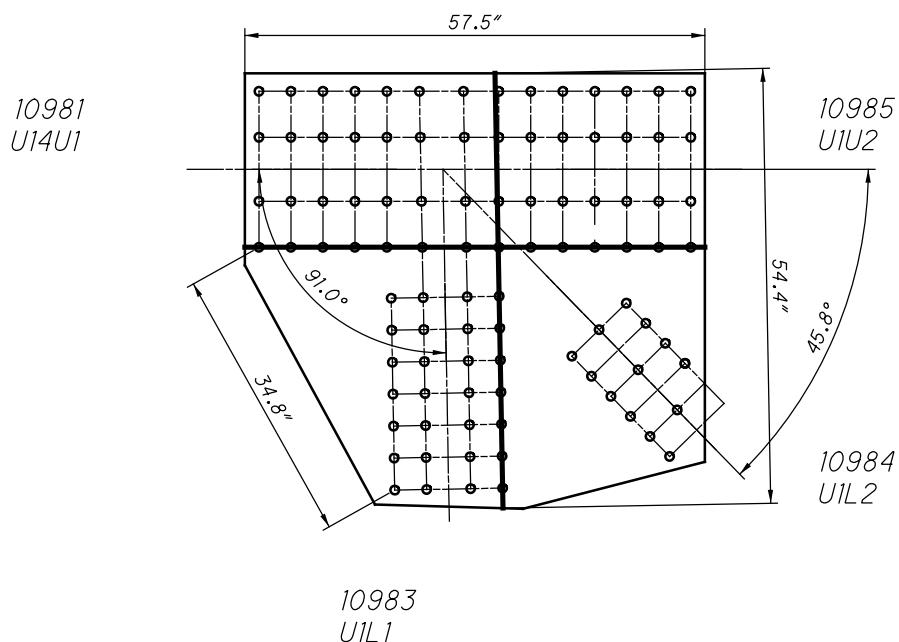


U98 INSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

CHORD IS CONTINUOUS

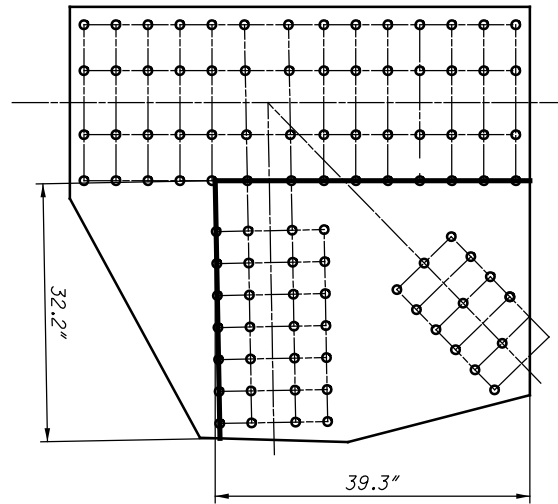


U98 INSIDE (SPAN 15)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH



U98 INSIDE (SPAN 15)
SHEAR AND FREE EDGE CHECK

10981
U14U1

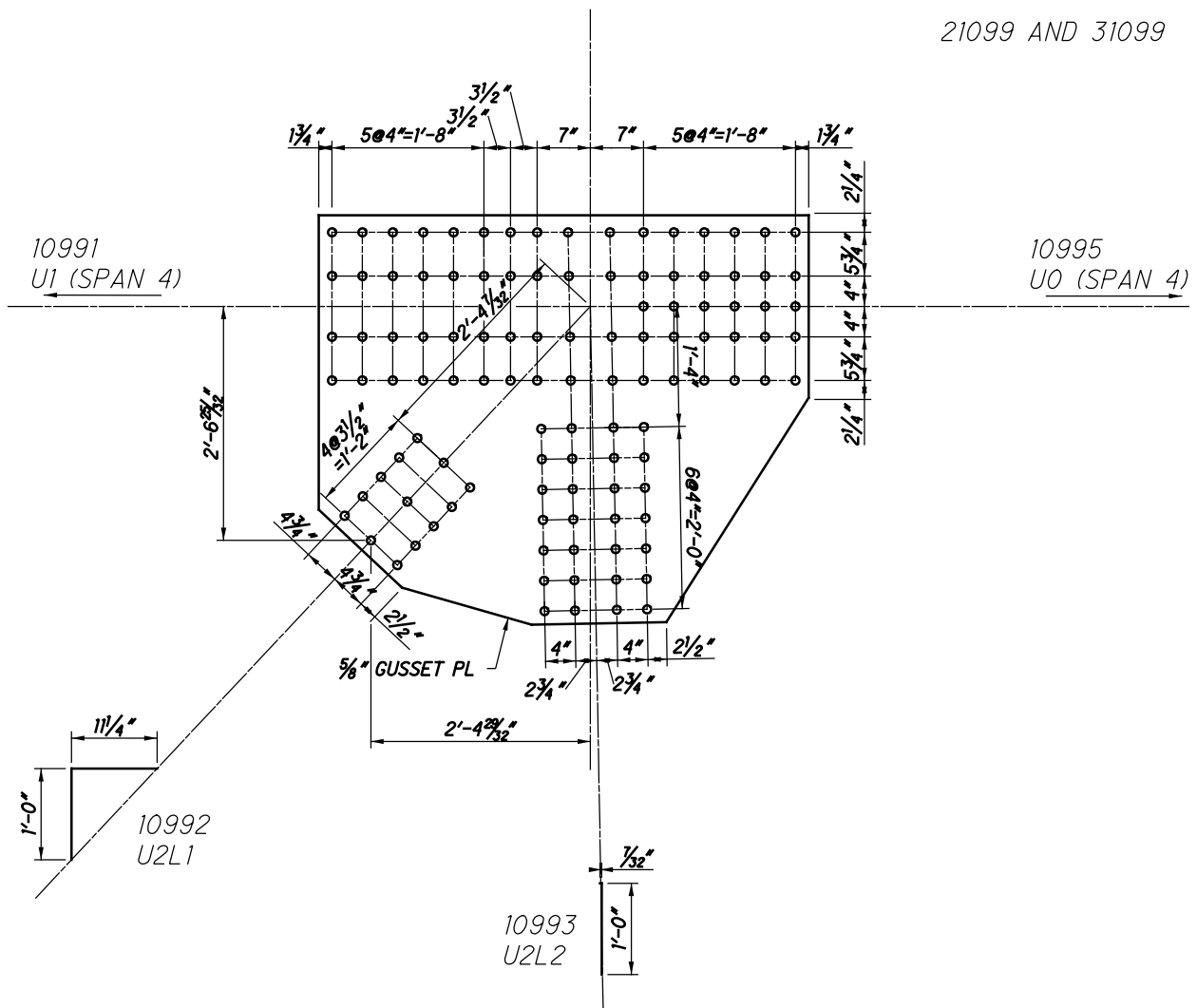


10985
U1U2

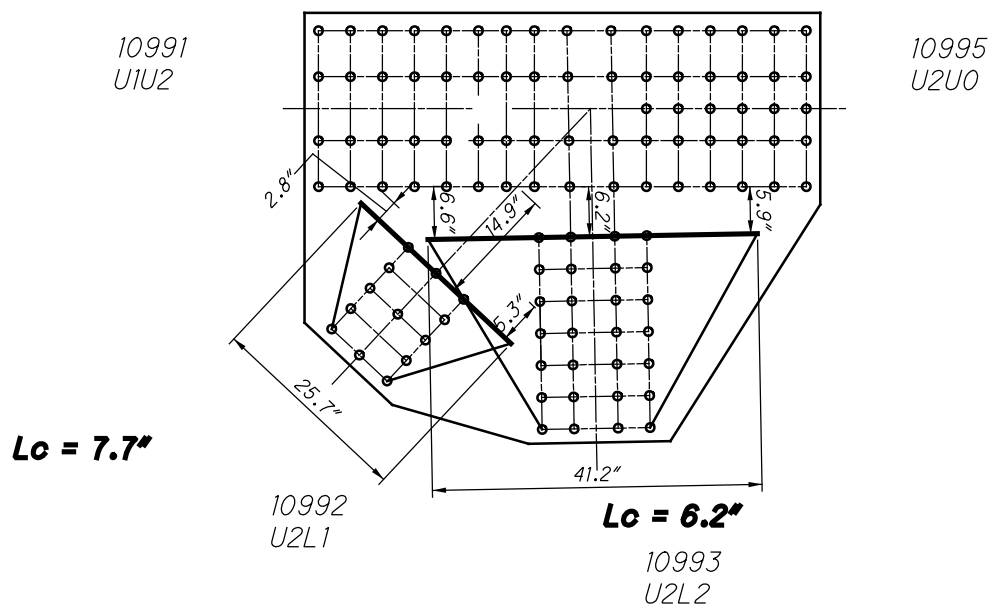
10984
U1L2

10983
U1L1

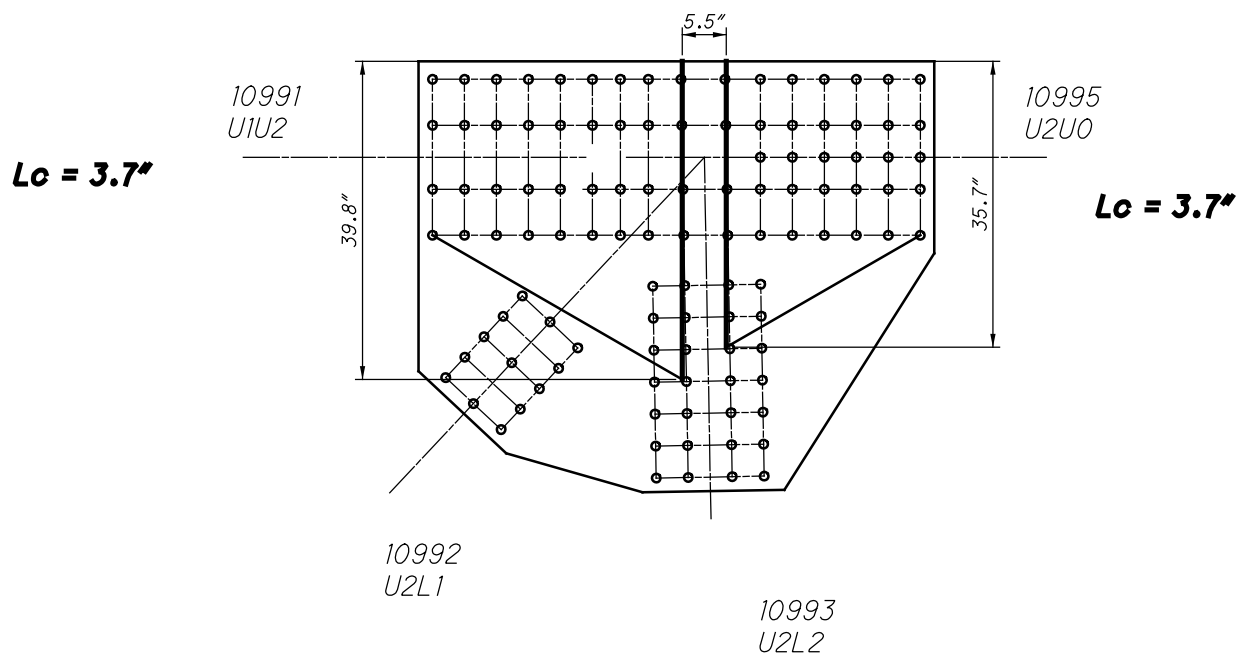
U98 INSIDE (SPAN 15)
QUADRANT DIMENSIONS



U99 INSIDE (SPAN 15)
U2 INSIDE (SPAN 15) SPAN 15



U99 INSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



U99 INSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

36 RIVETS
x 2 PLATES
=72 RIVETS

10991
U1U2

13 RIVETS
x 2 PLATES
=26 RIVETS

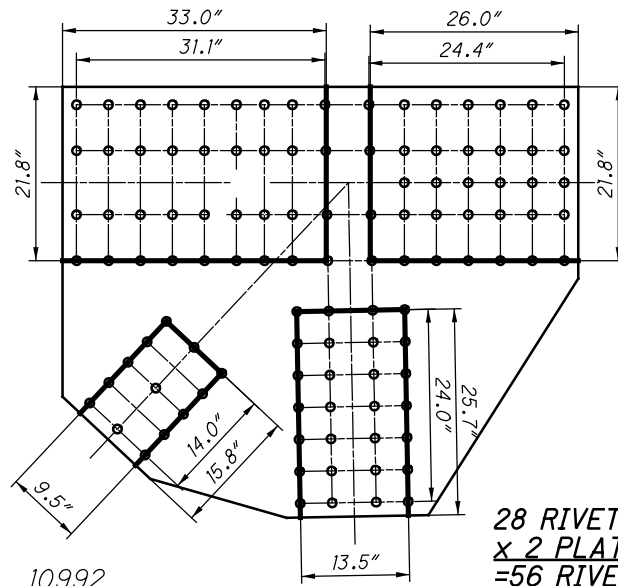
10992
U2L1

28 RIVETS
x 2 PLATES
=56 RIVETS

10993
U2L2

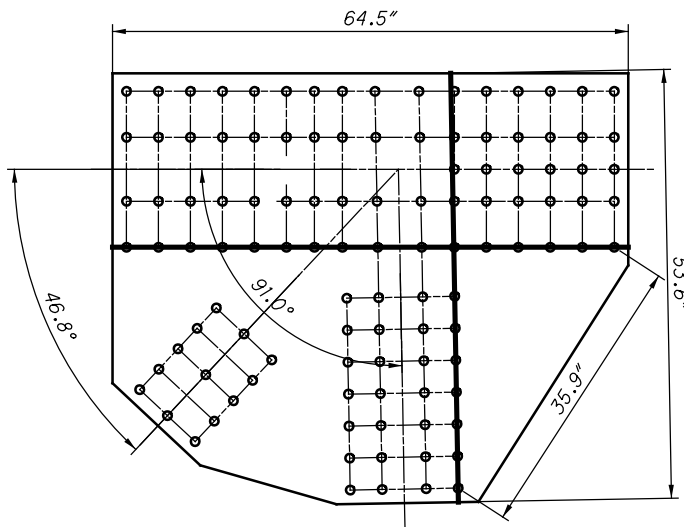
34 RIVETS
x 2 PLATES
=68 RIVETS

10995
U2U0



U99 INSIDE (SPAN 15)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

10991
U1U2

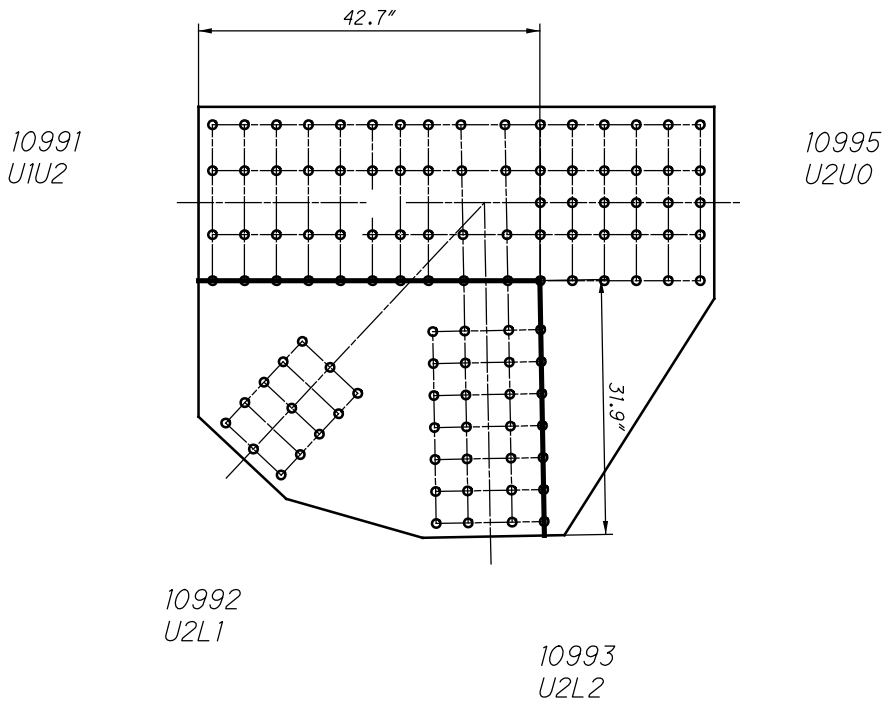


10992
U2L1

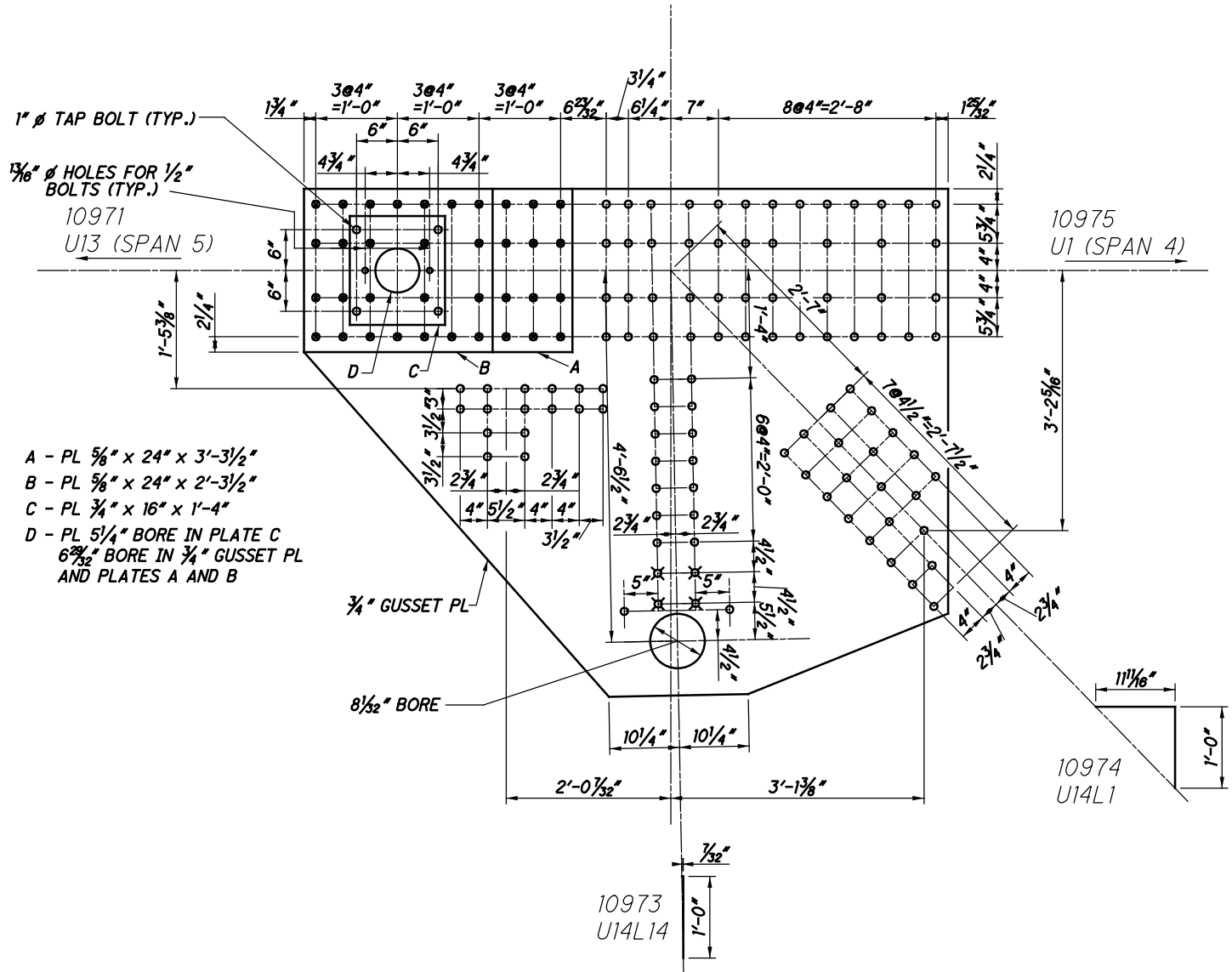
10993
U2L2

10995
U2U0

U99 INSIDE (SPAN 15)
SHEAR AND FREE EDGE CHECK



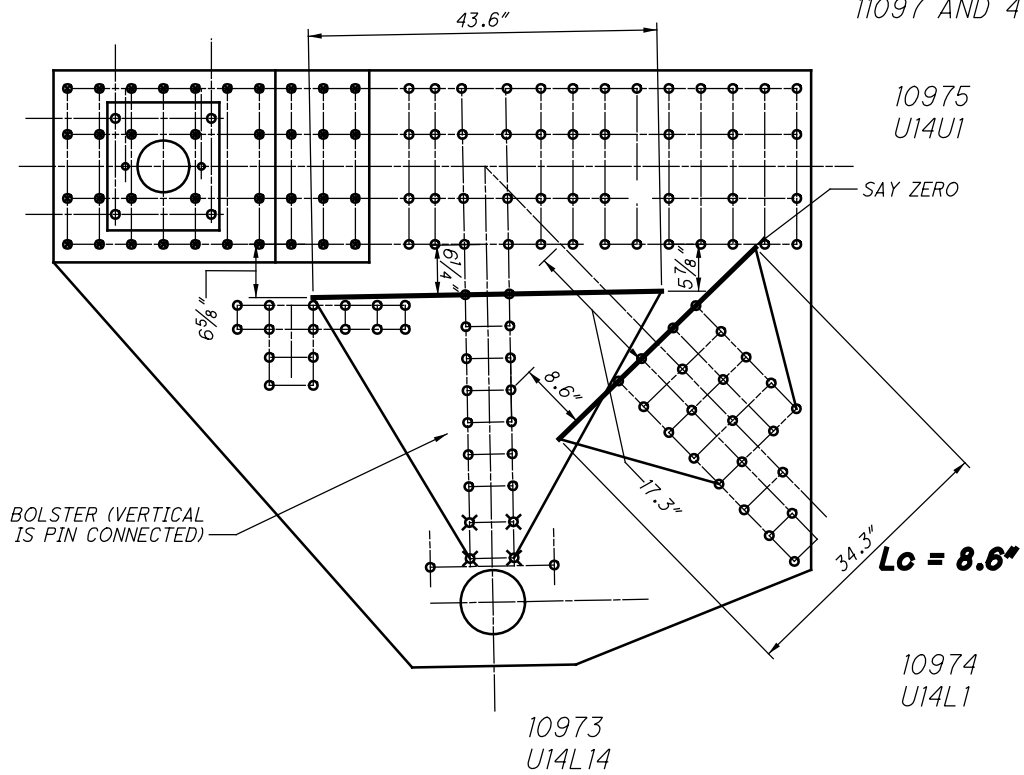
U99 INSIDE (SPAN 15)
QUADRANT DIMENSIONS



11097 AND 41097

10971
U13U14

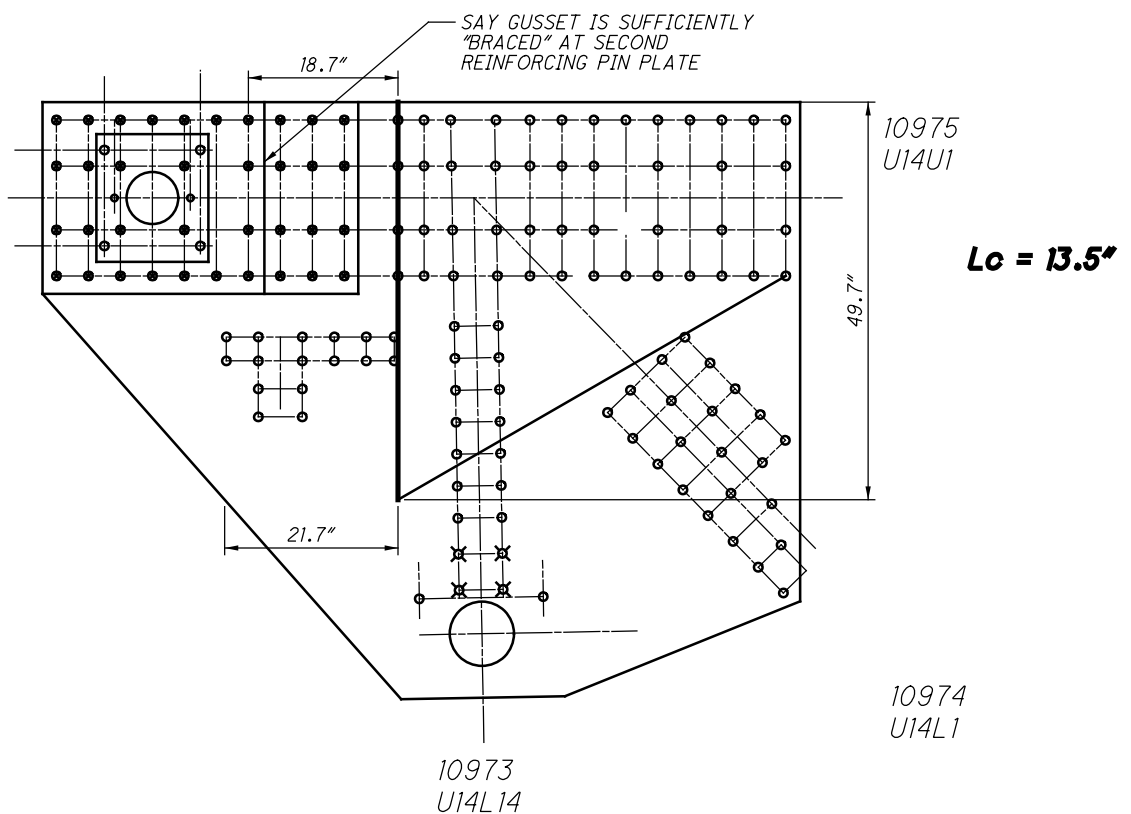
10975
U14U1



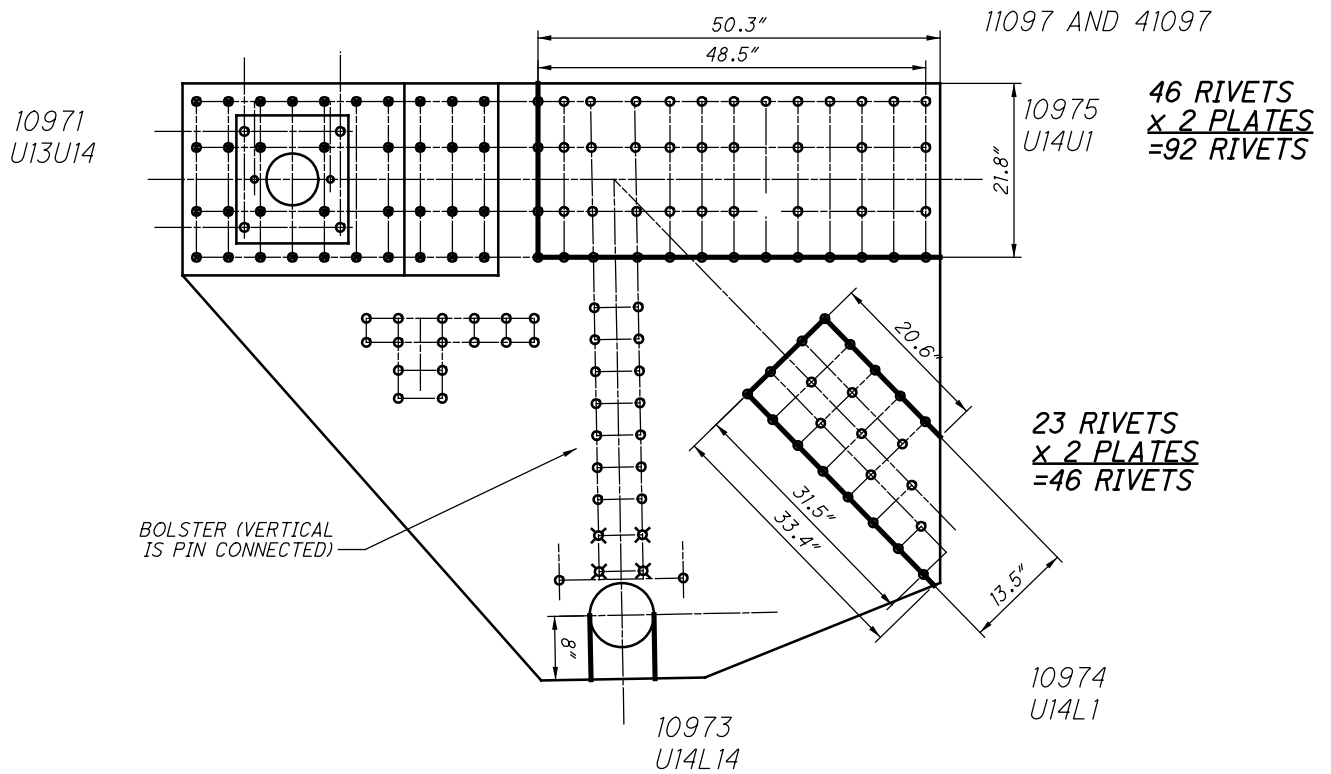
U97 OUTSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

10971
U13U14

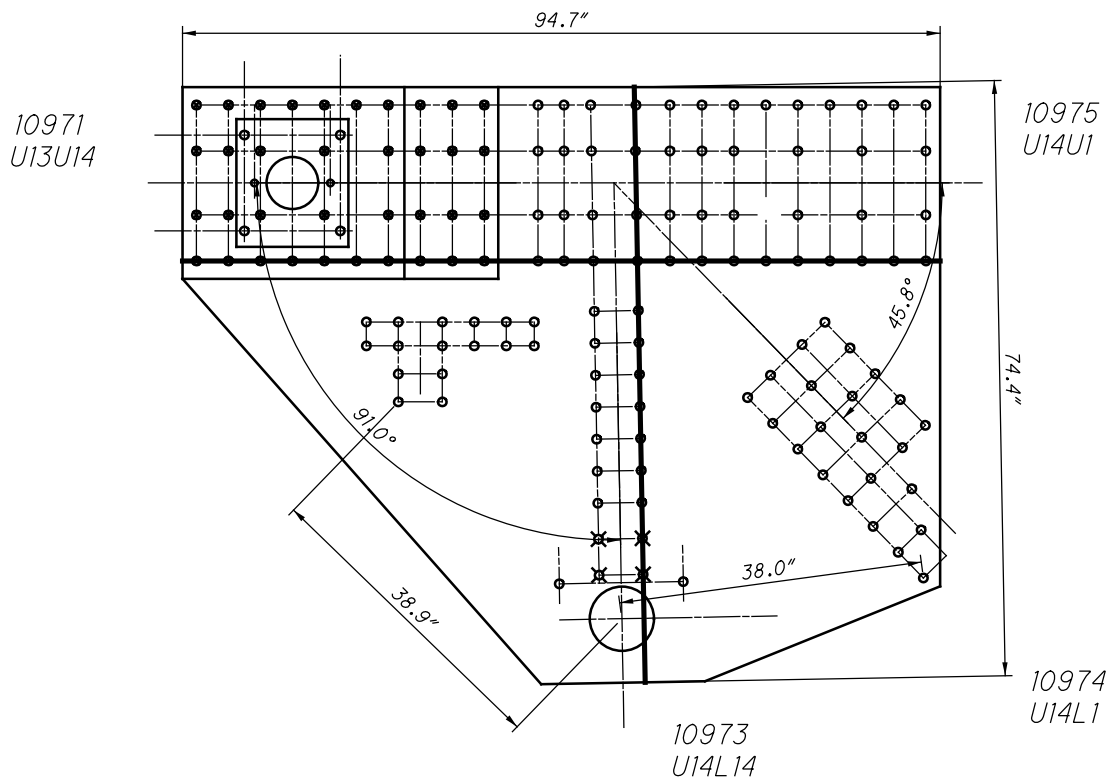
10975
U14U1



U97 OUTSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

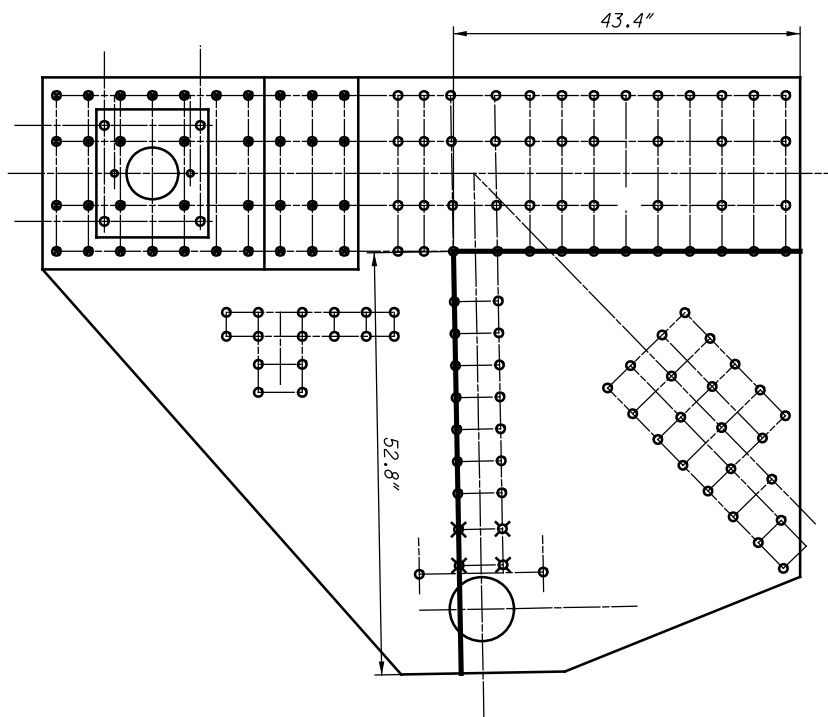


**U97 OUTSIDE (SPAN 15)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U97 OUTSIDE (SPAN 15)
SHEAR AND FREE EDGE CHECK**

10971
U13U14



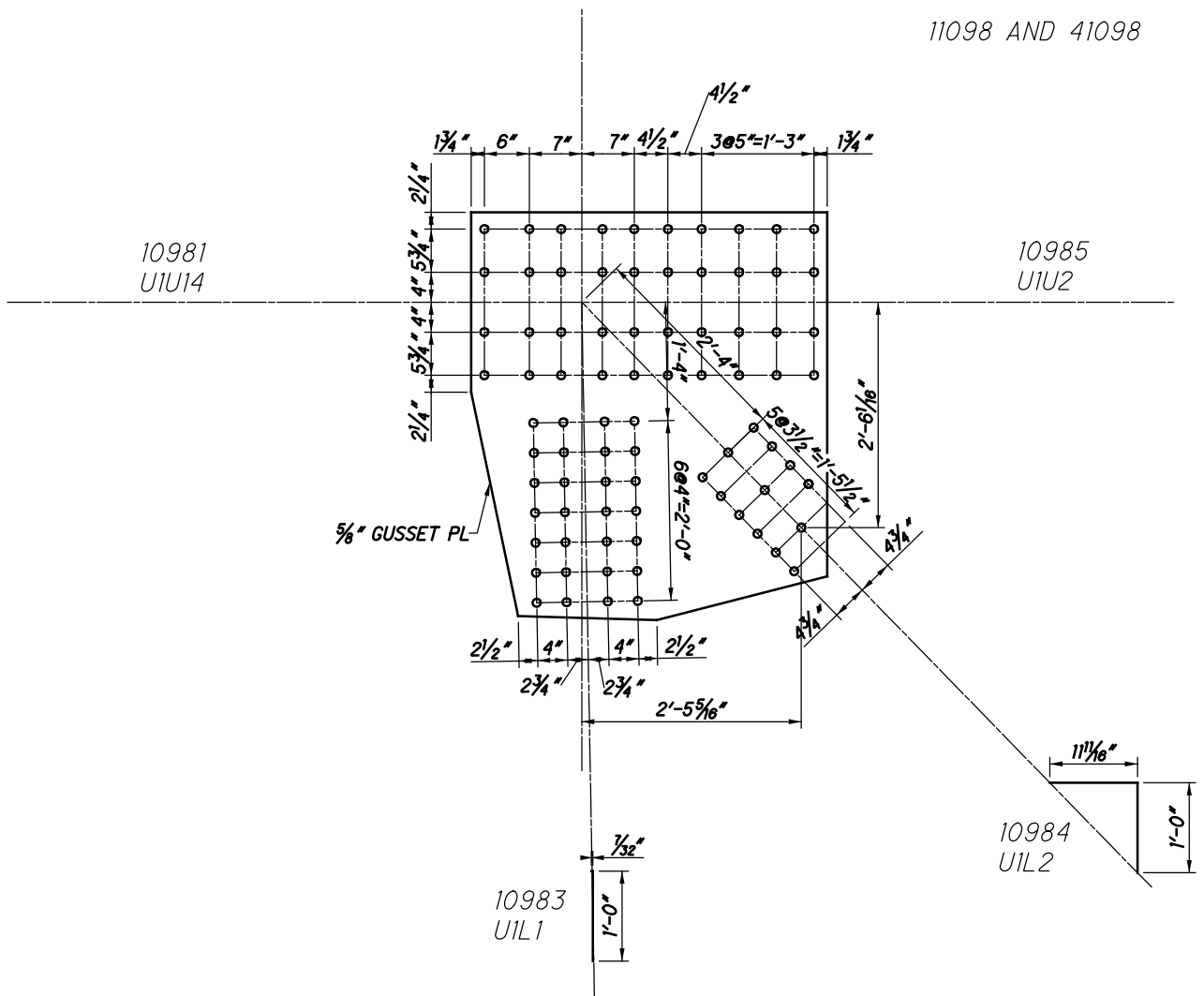
11097 AND 41097

10975
U14U1

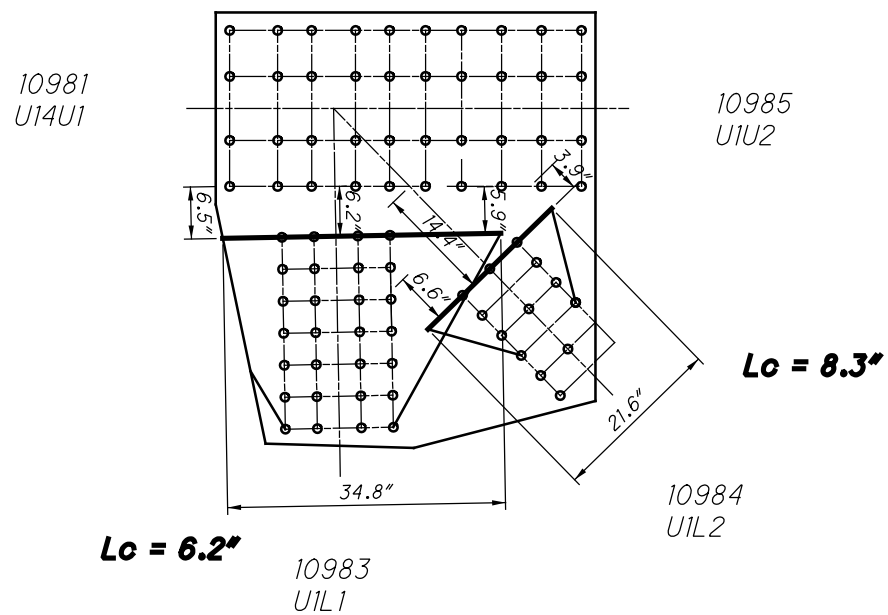
10974
U14L1

10973
U14L14

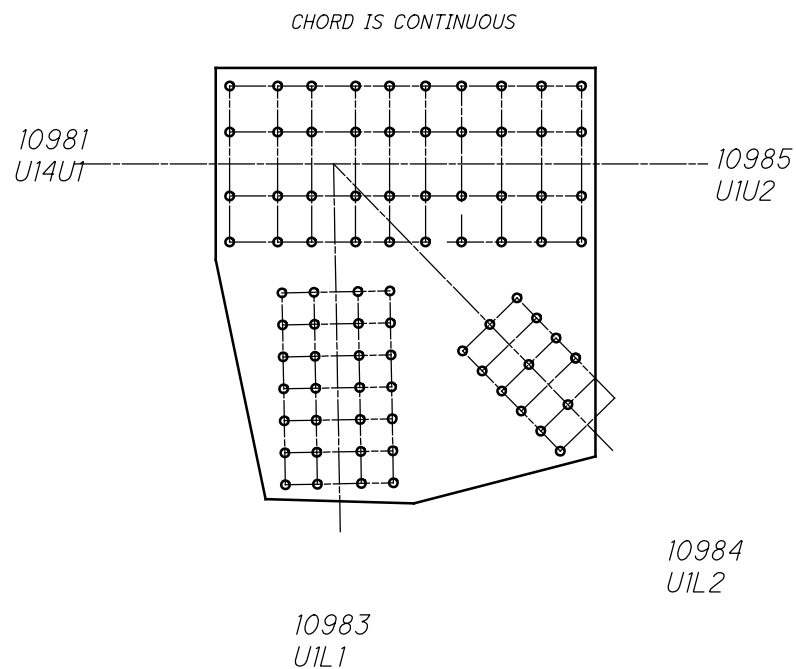
U97 OUTSIDE (SPAN 15)
QUADRANT DIMENSIONS



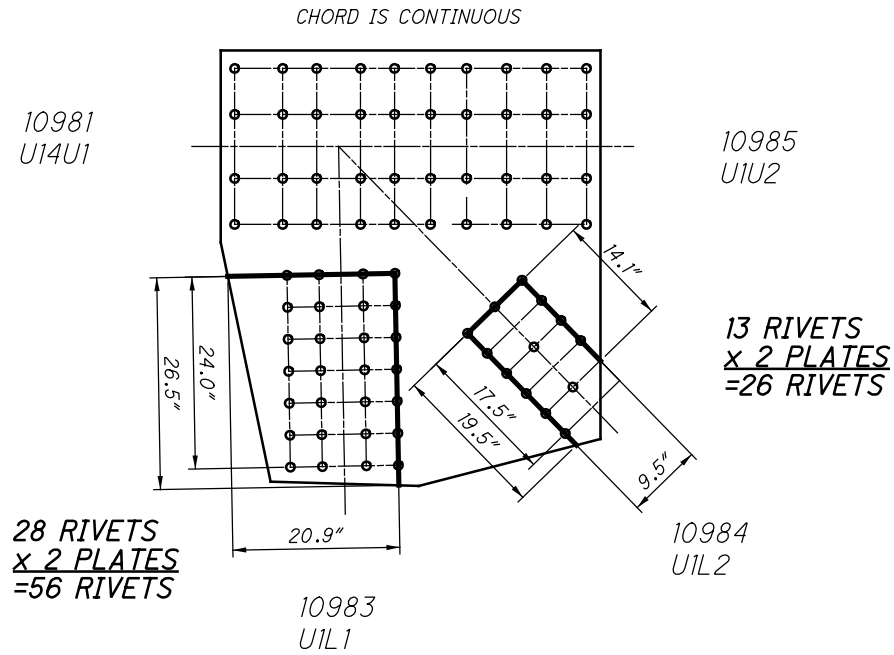
U98 OUTSIDE (SPAN 15)
U1 OUTSIDE (SPAN 15) SPAN 15



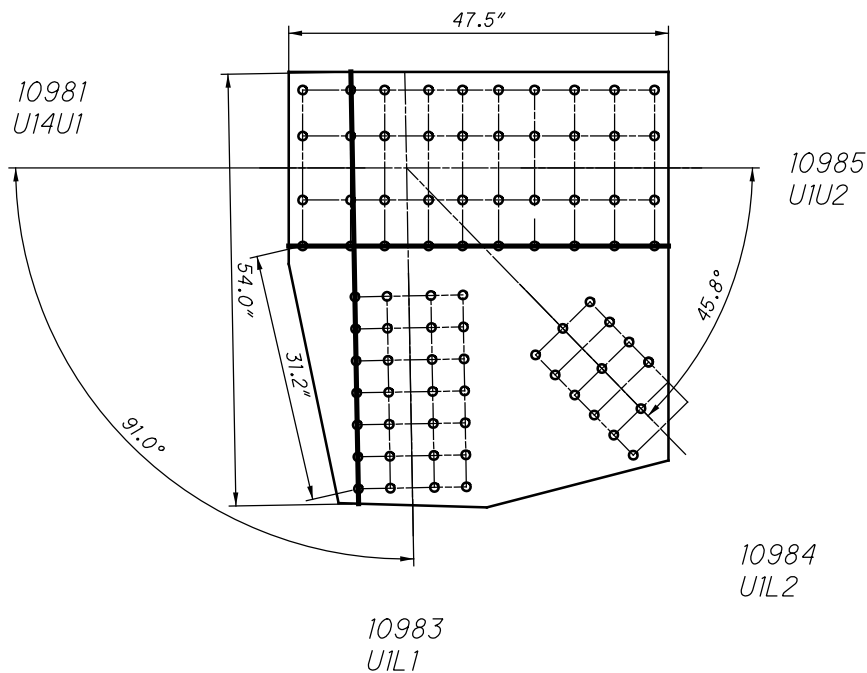
U98 OUTSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



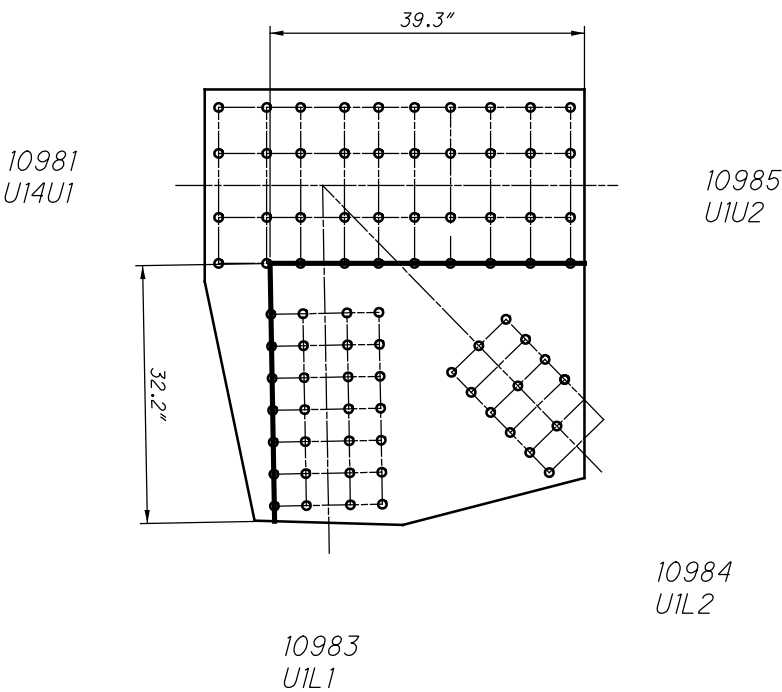
U98 OUTSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



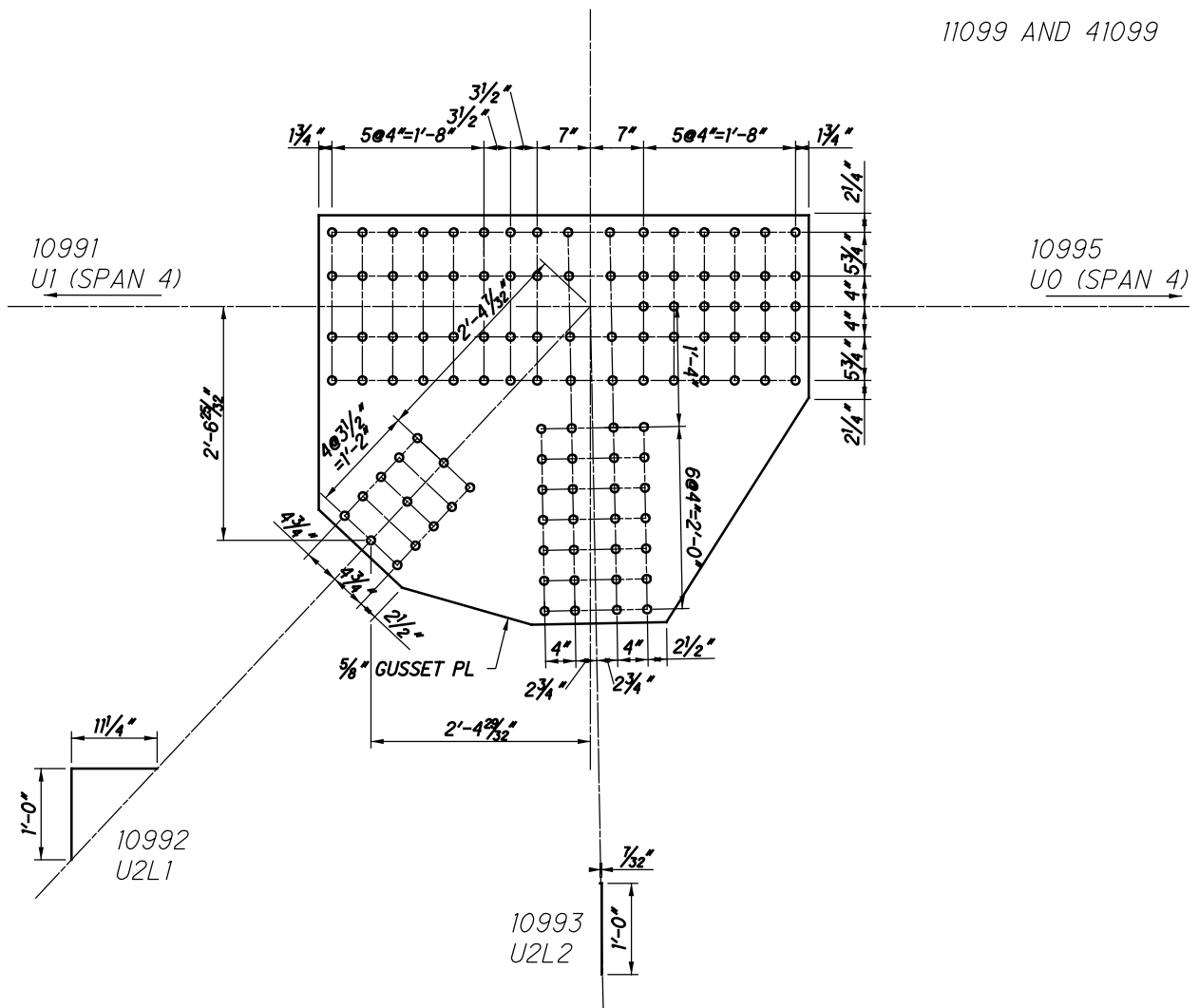
**U98 OUTSIDE (SPAN 15)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



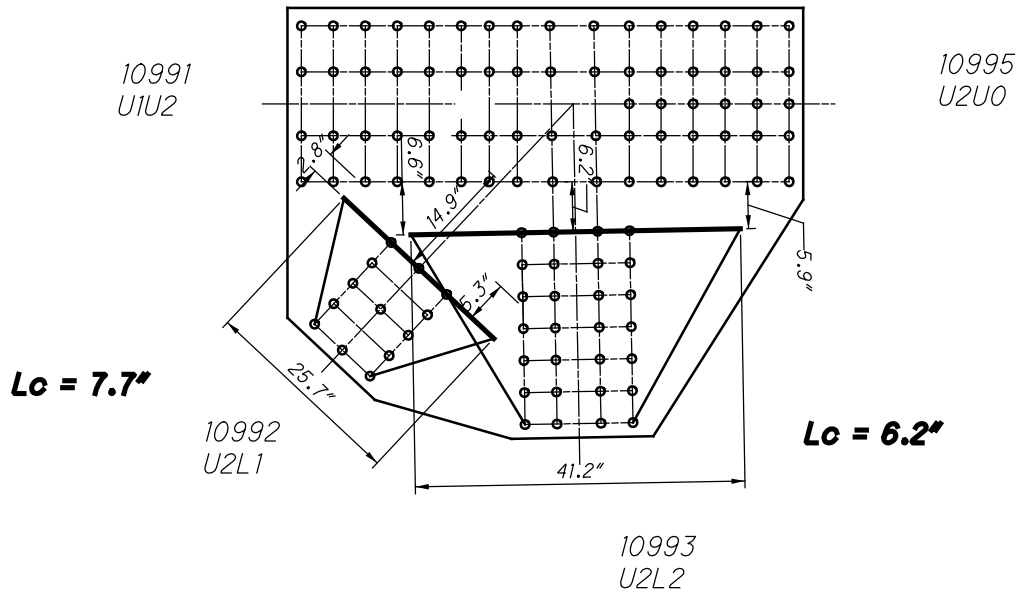
**U98 OUTSIDE (SPAN 15)
SHEAR AND FREE EDGE CHECK**



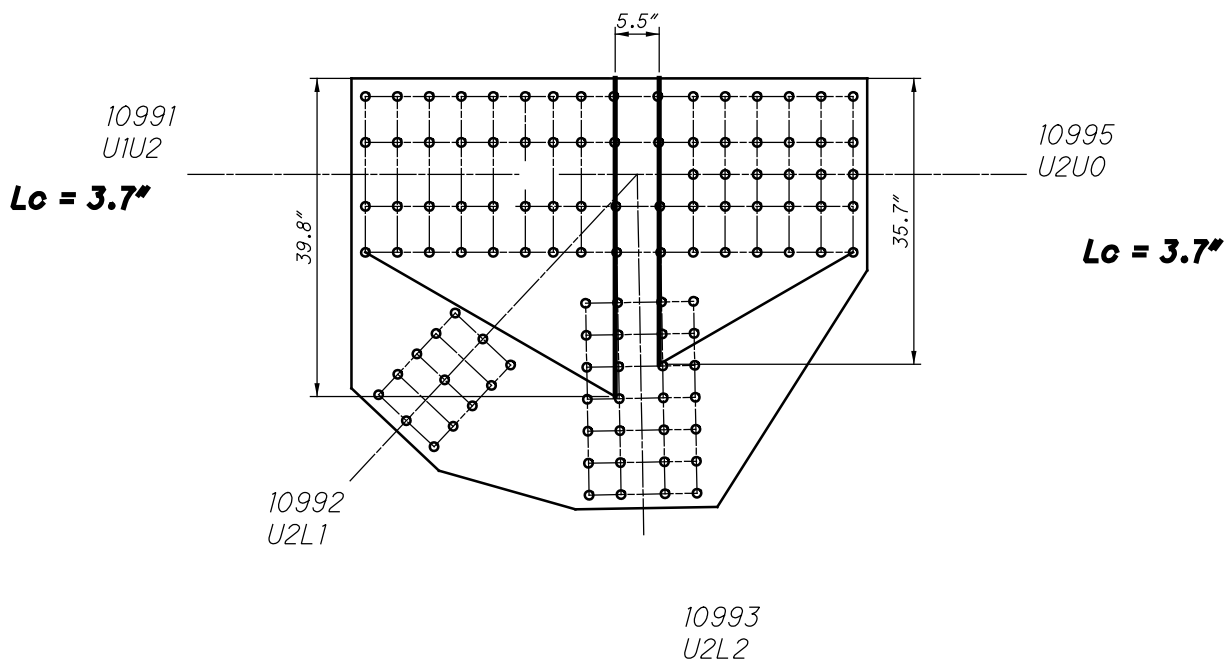
U98 OUTSIDE (SPAN 15)
QUADRANT DIMENSIONS



U99 OUTSIDE (SPAN 15)
U2 OUTSIDE (SPAN 15) SPAN 15



U99 OUTSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S



U99 OUTSIDE (SPAN 15)
WHITMORE WIDTHS AND INDIVIDUAL LB'S

36 RIVETS
x 2 PLATES 10991
=72 RIVETS U1U2

10995
U2U0

34 RIVETS
x 2 PLATES
=68 RIVETS

13 RIVETS
x 2 PLATES
=26 RIVETS

10992
U2L1

28 RIVETS
x 2 PLATES
=56 RIVETS

10993
U2L2

U99 OUTSIDE (SPAN 15)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH

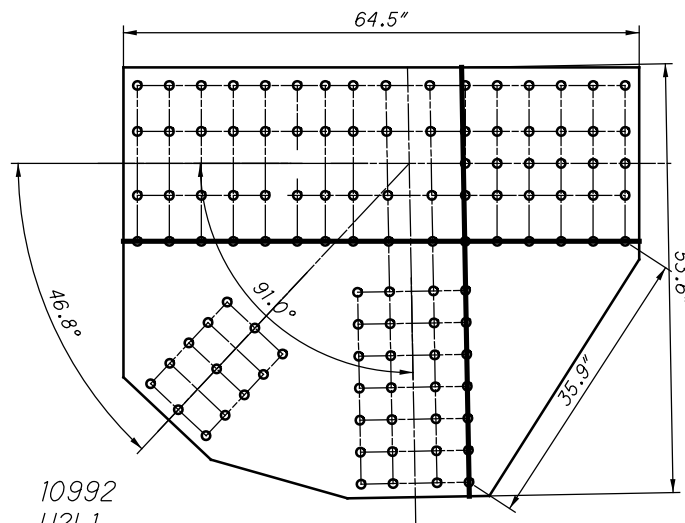
10991
U1U2

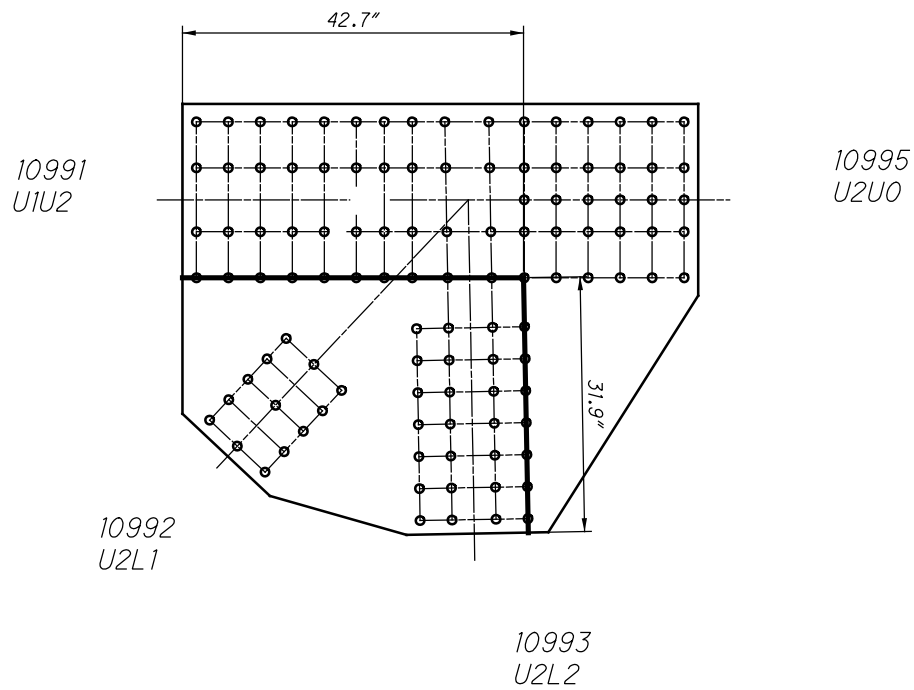
10995
U2U0

10992
U2L1

10993
U2L2

U99 OUTSIDE (SPAN 15)
SHEAR AND FREE EDGE CHECK





U99 OUTSIDE (SPAN 15)
QUADRANT DIMENSIONS

**SPAN 16 GUSSET PLATES
LORAIN CARNEGIE**

CHECKED: _____

DATE: _____

LEGEND

◈ 1 $\frac{1}{16}$ " HOLES TYPICAL

NOTES:

ALL EDGE DISTANCES ARE $1\frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

ALL GUSSET PLATES ARE COPPER
BEARING SILICON STEEL

[illegible]

**U100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

11001
UOU2

11005
UOU1

$L_c = 7.7''$

11002
UOL2

11003
UOL0

**U100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11001
UOU2

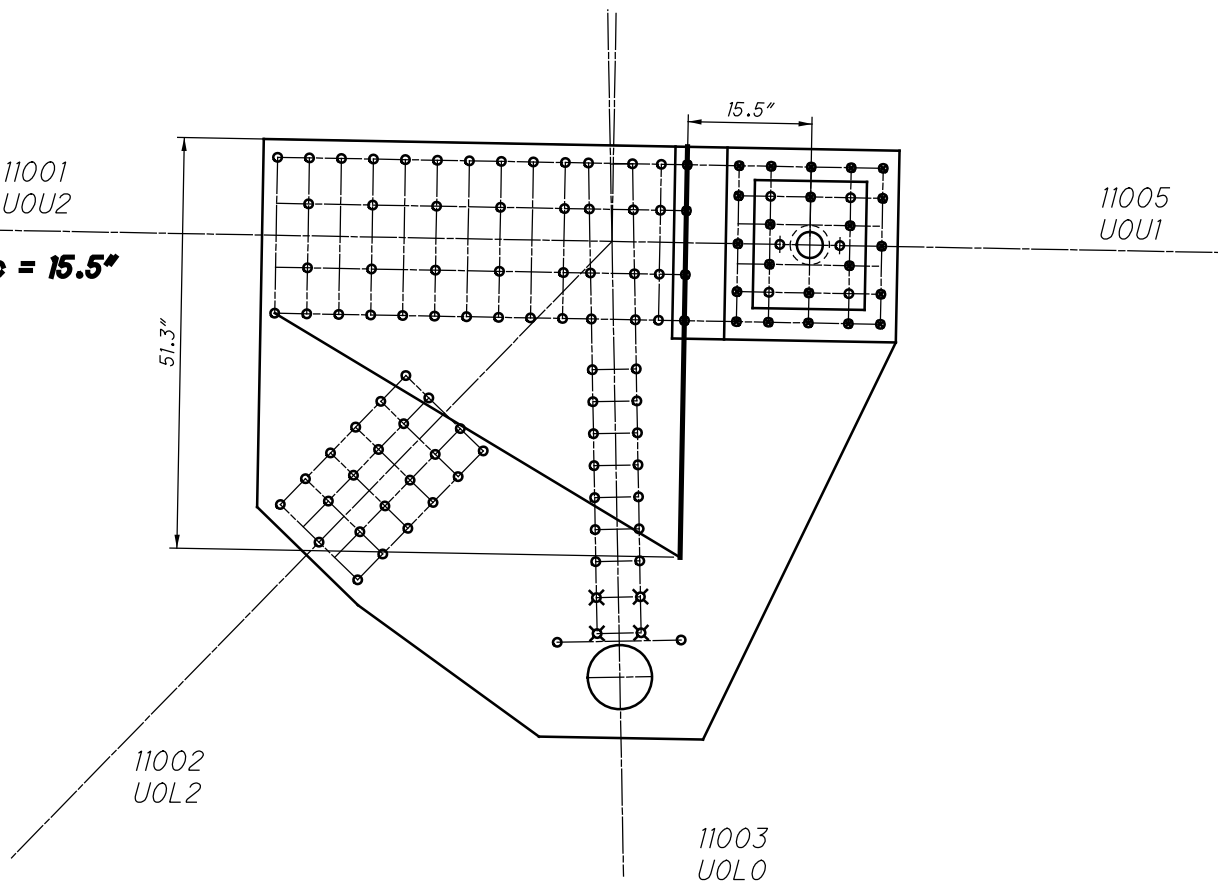
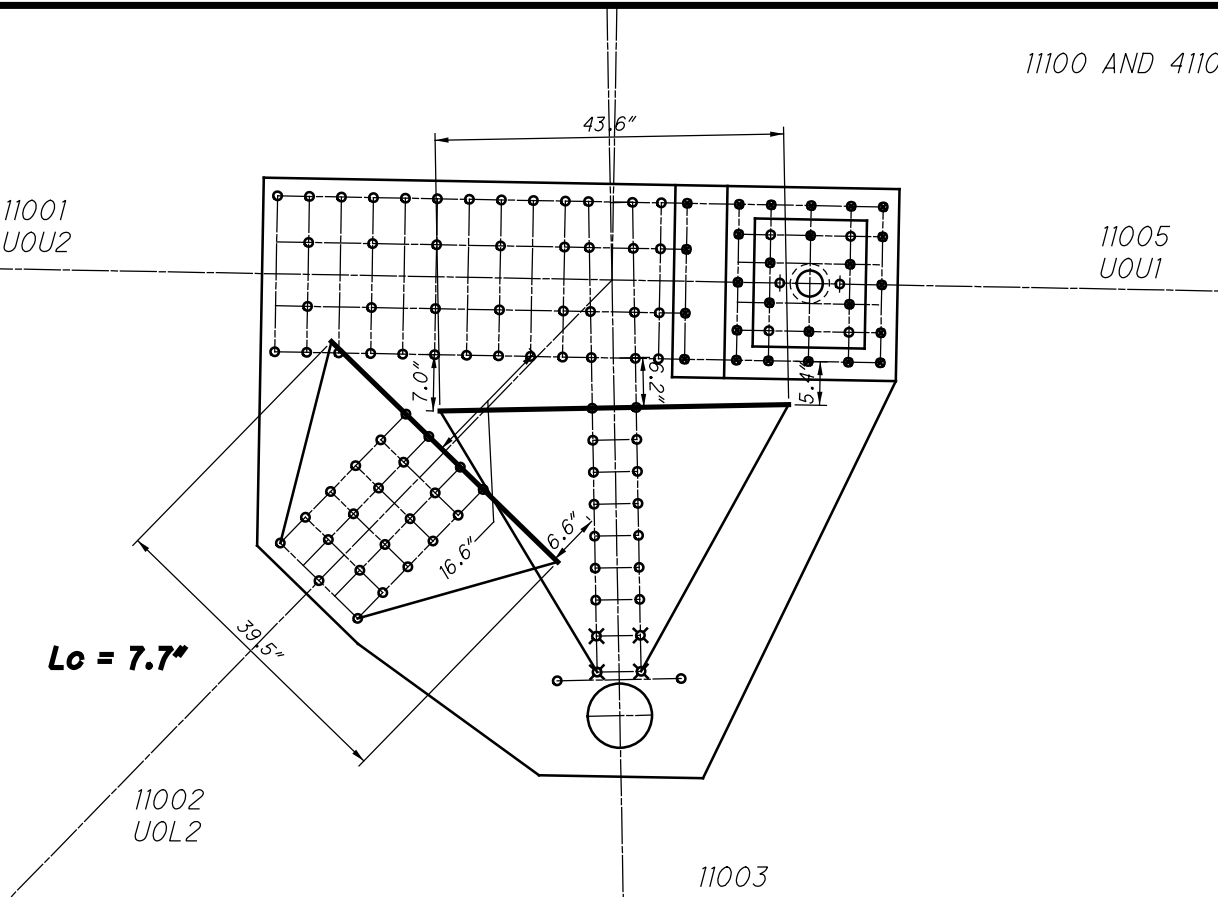
11005
UOU1

$L_c = 15.5''$

11002
UOL2

11003
UOL0

**U100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

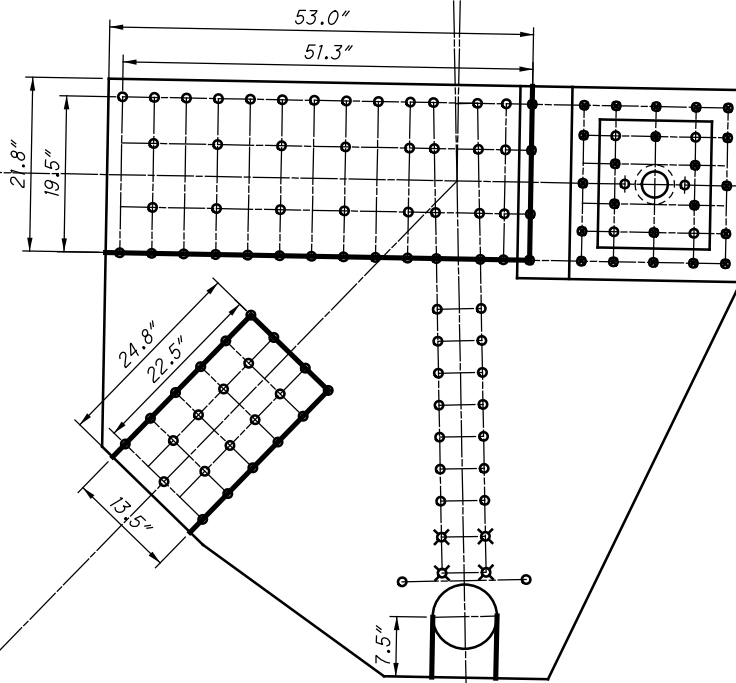


11100 AND 41100

**46 RIVETS
x 2 PLATES
= 92 RIVETS**

11001
UOU2

11005
UOU1



**23 RIVETS
x 2 PLATES
= 46 RIVETS**

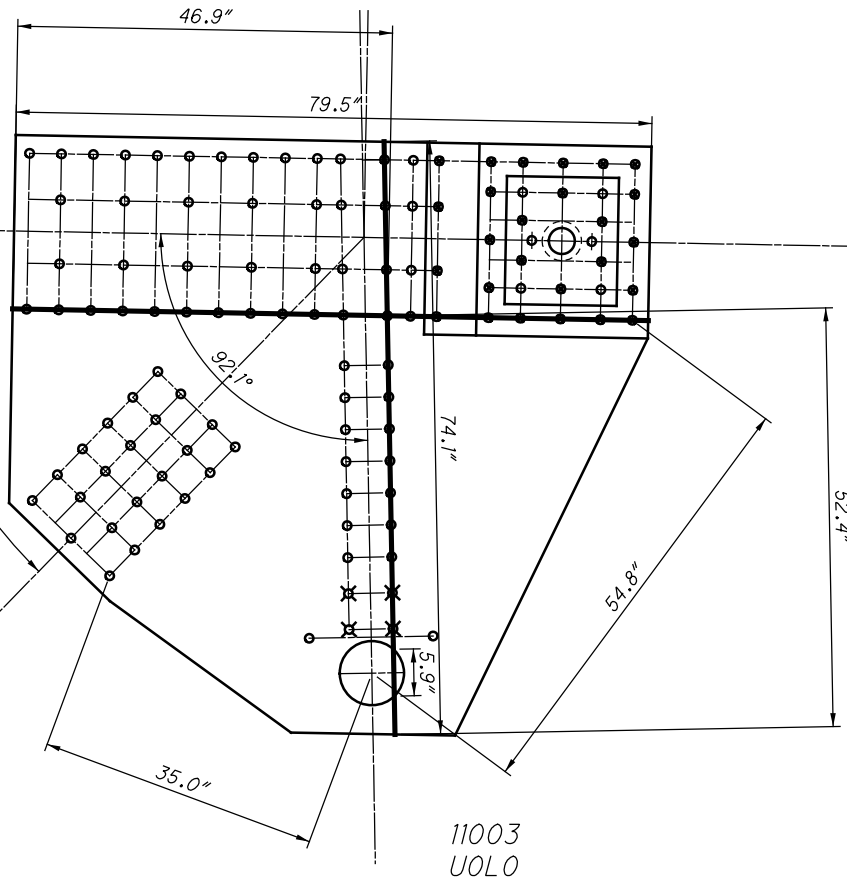
11002
UOL2

11003
UOL0

**U100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11001
UOU2

11005
UOU1



11002
UOL2

11003
UOL0

**U100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

11100 AND 41100

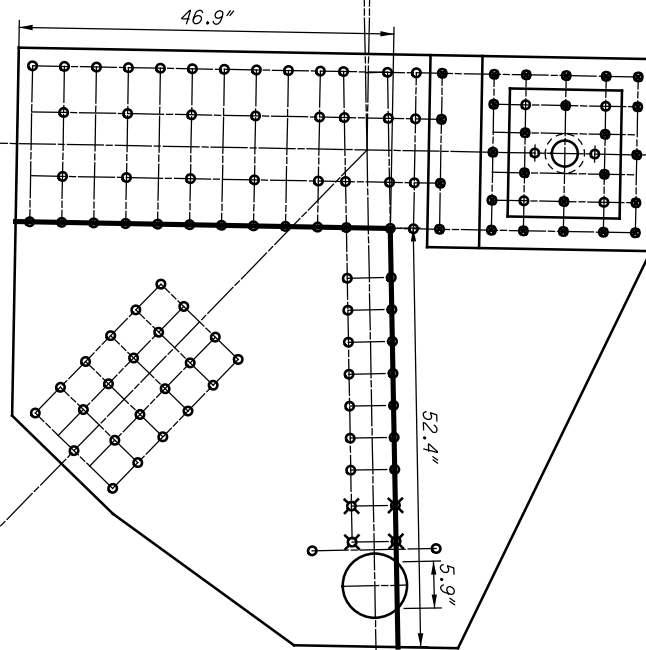
11001
U0U2

11005
U0U1

11002
U0L2

11003
U0L0

**U100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



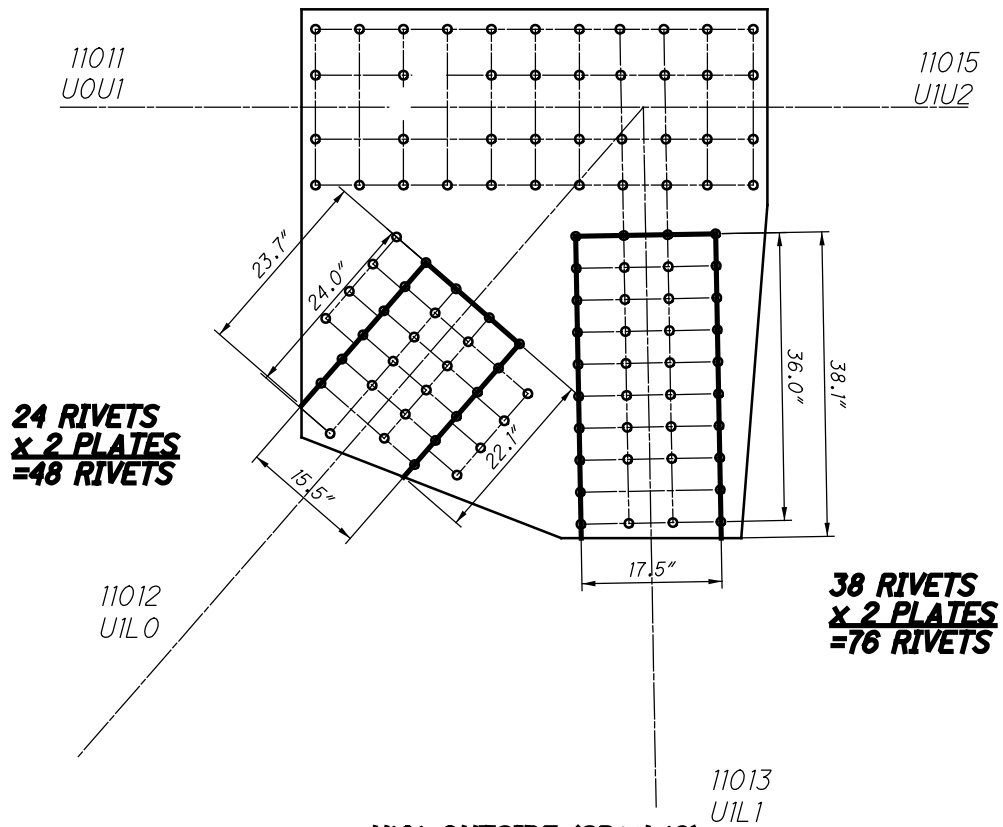
**U101 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

11101 AND 41101

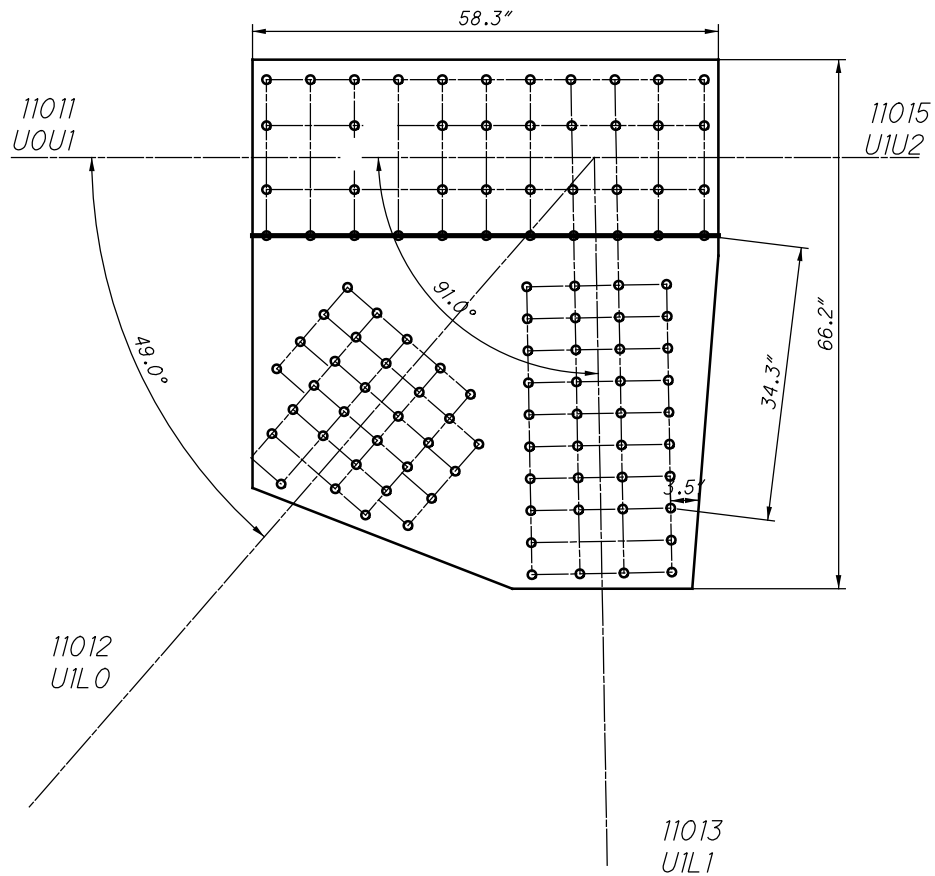


CHORD IS CONTINUOUS

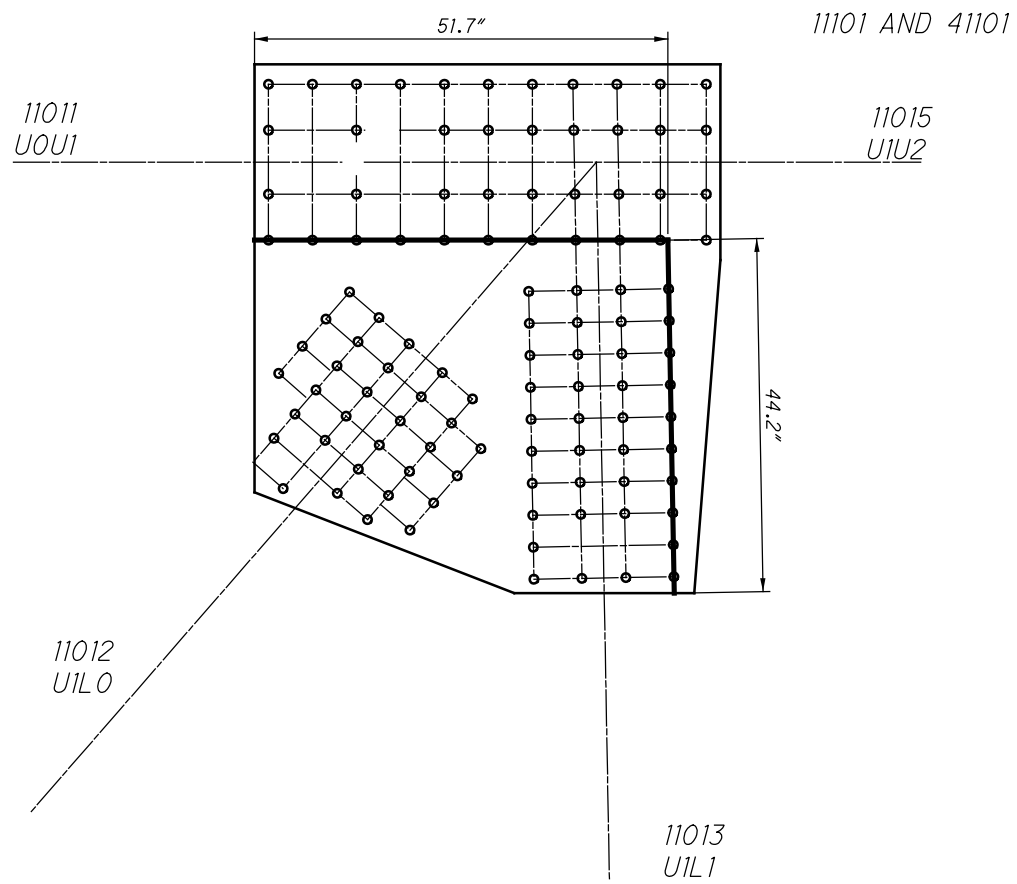
11101 AND 41101



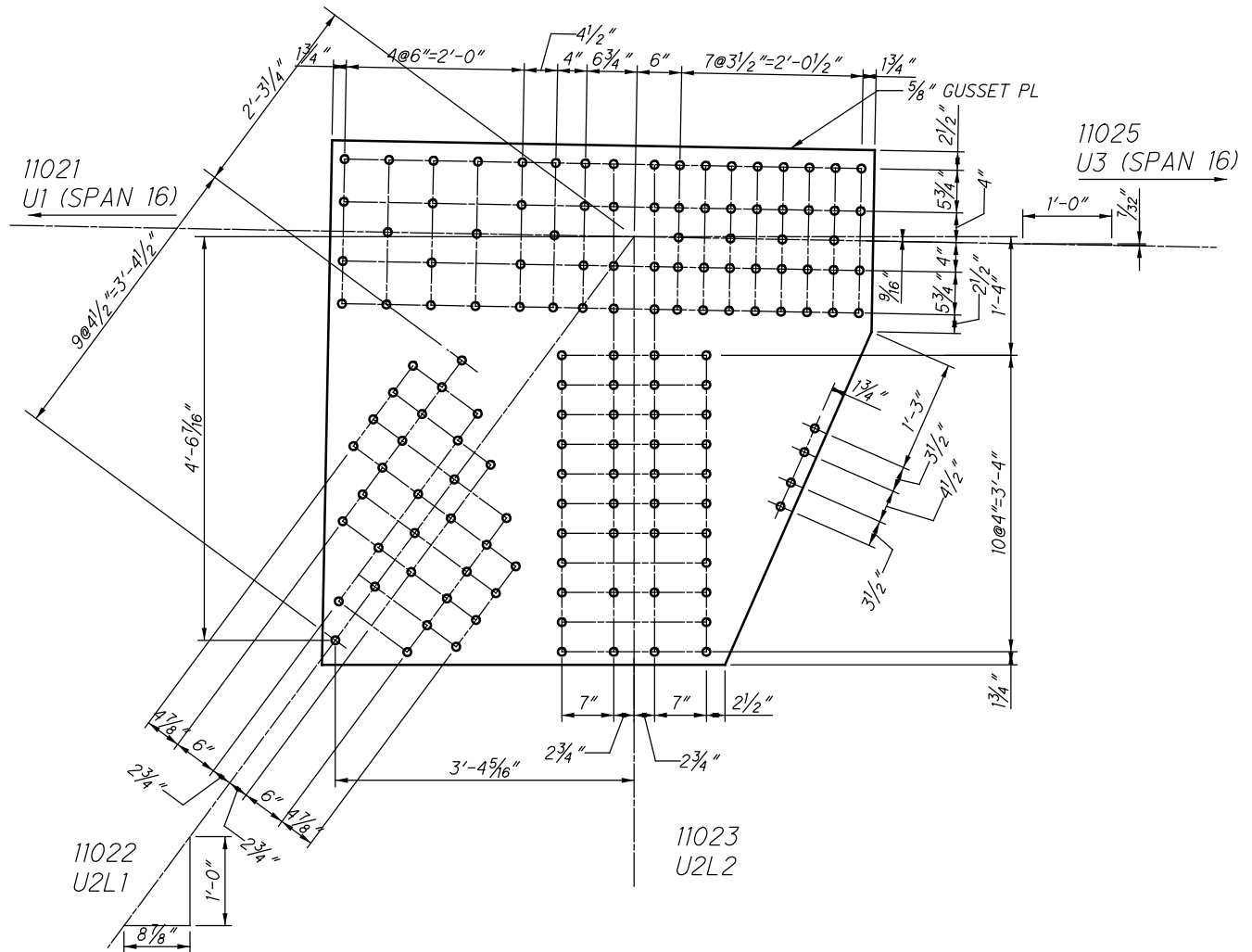
**U101 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U101 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**



**U101 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

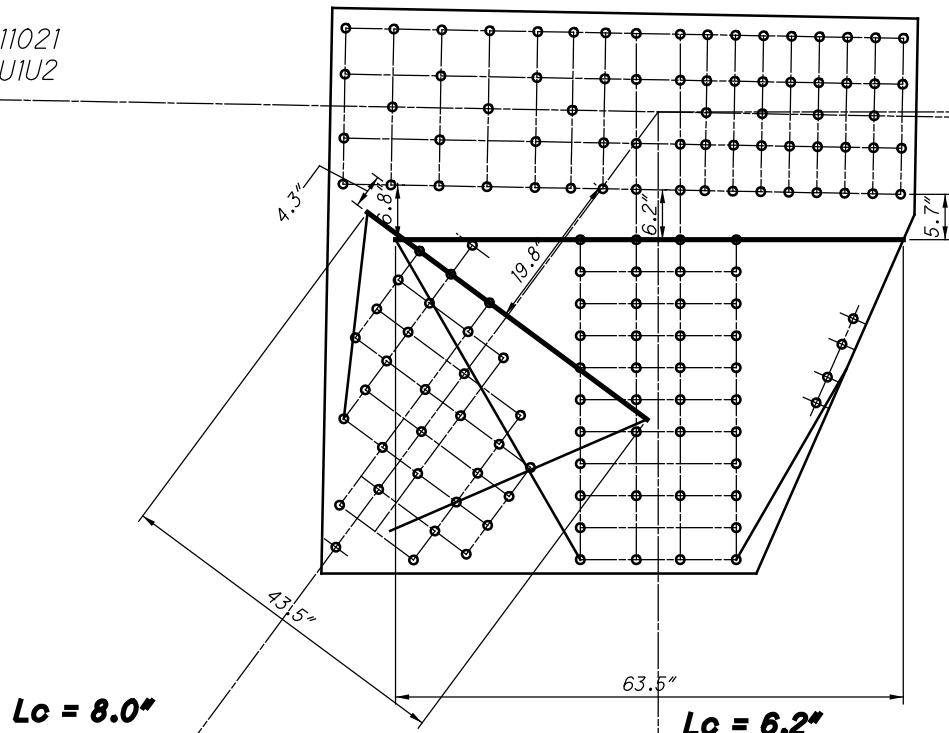


**U102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

11102 AND 41102

11025
U3U2

11021
U1U2



$L_c = 8.0"$

11022
U2L1

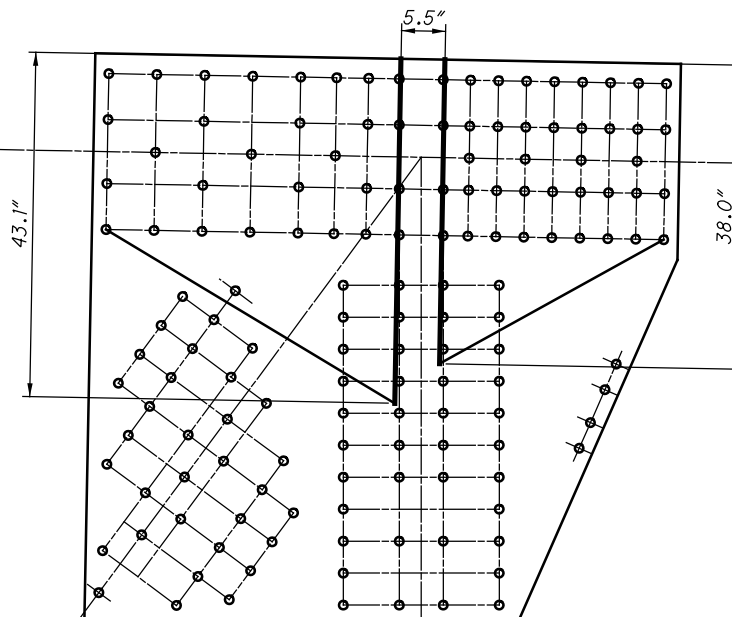
$L_c = 6.2"$

11023
U2L2

**U102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11021
U1U2

$L_c = 3.7"$



11025
U3U2

$L_c = 3.7"$

11022
U2L1

11023
U2L2

**U102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

**29 RIVETS
x 2 PLATES
=58 RIVETS**

11021
U1U2

11102 AND 41102

11025
U3U2

**40 RIVETS
x 2 PLATES
=80 RIVETS**

**25 RIVETS
x 2 PLATES
=50 RIVETS**

11022
U2L1

11023
U2L2

**U102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

**40 RIVETS
x 2 PLATES
=80 RIVETS**

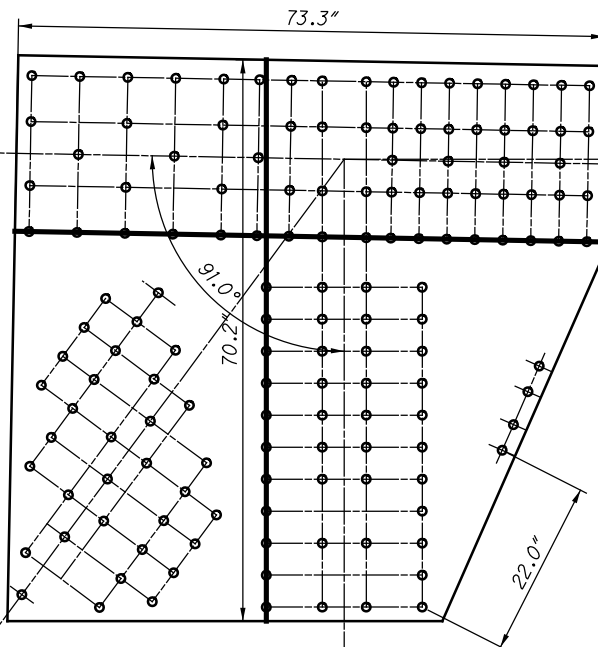
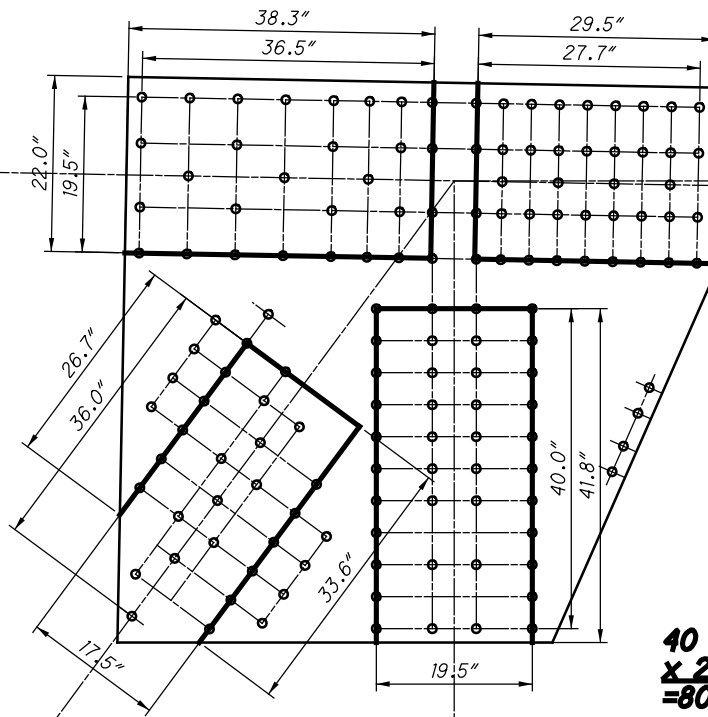
11021
U1U2

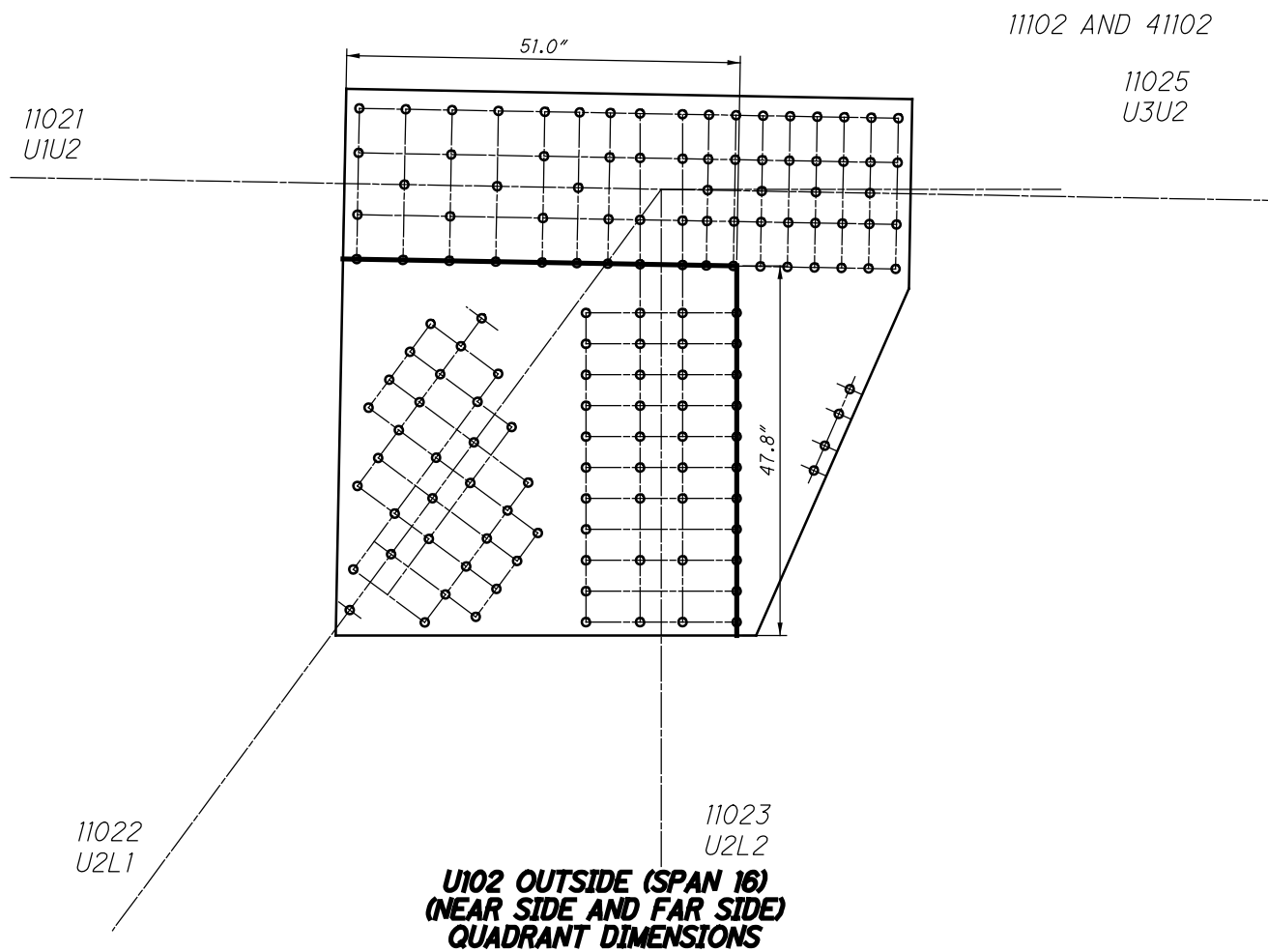
11025
U3U2

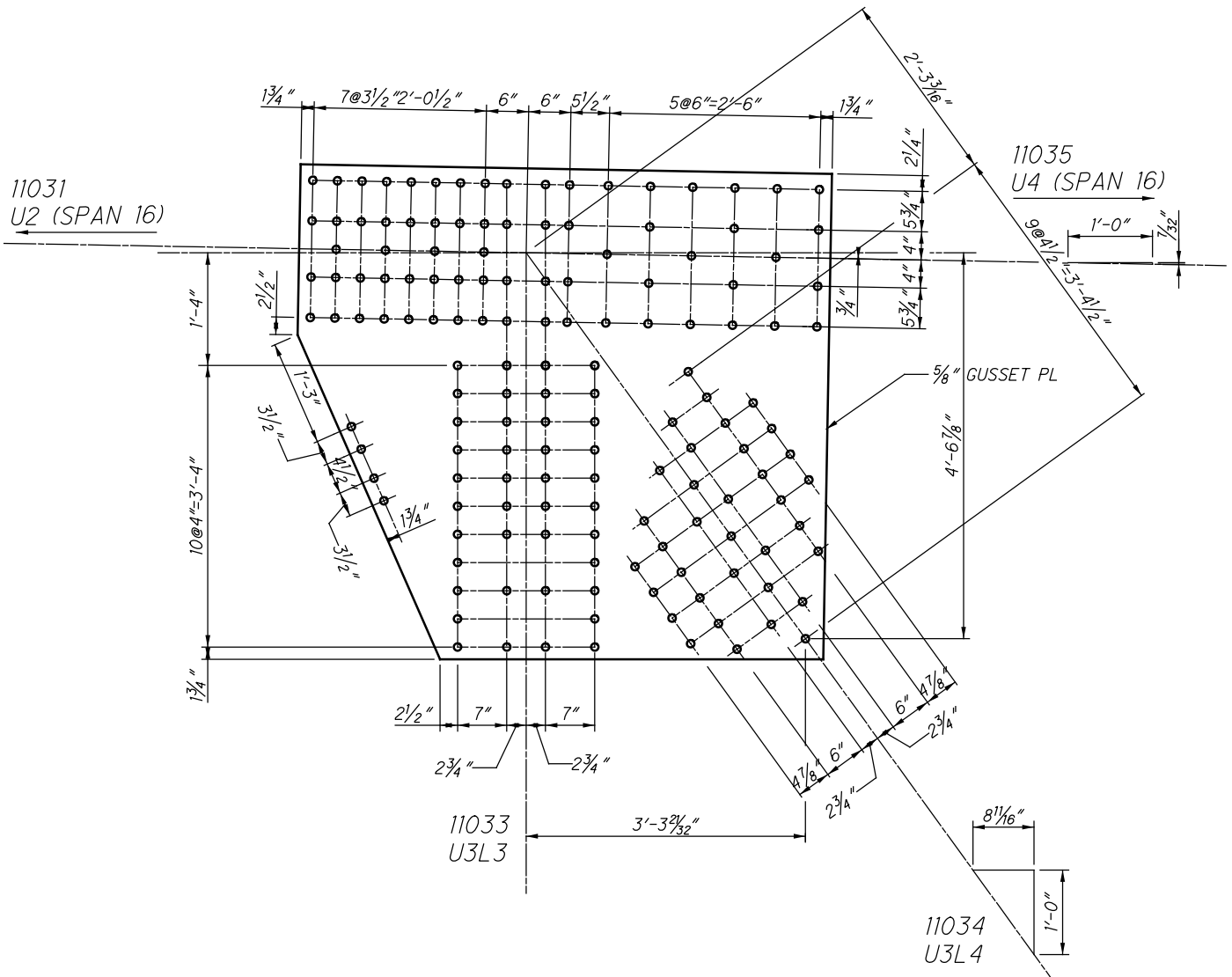
11022
U2L1

11023
U2L2

**U102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**





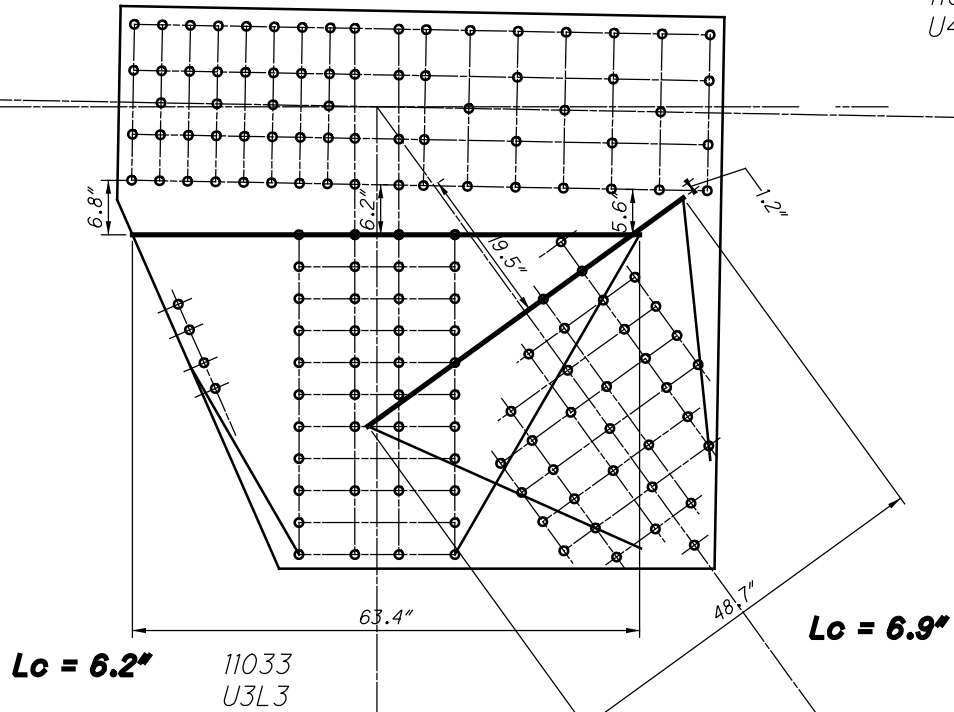


**U103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

11103 AND 41103

11031
U2U3

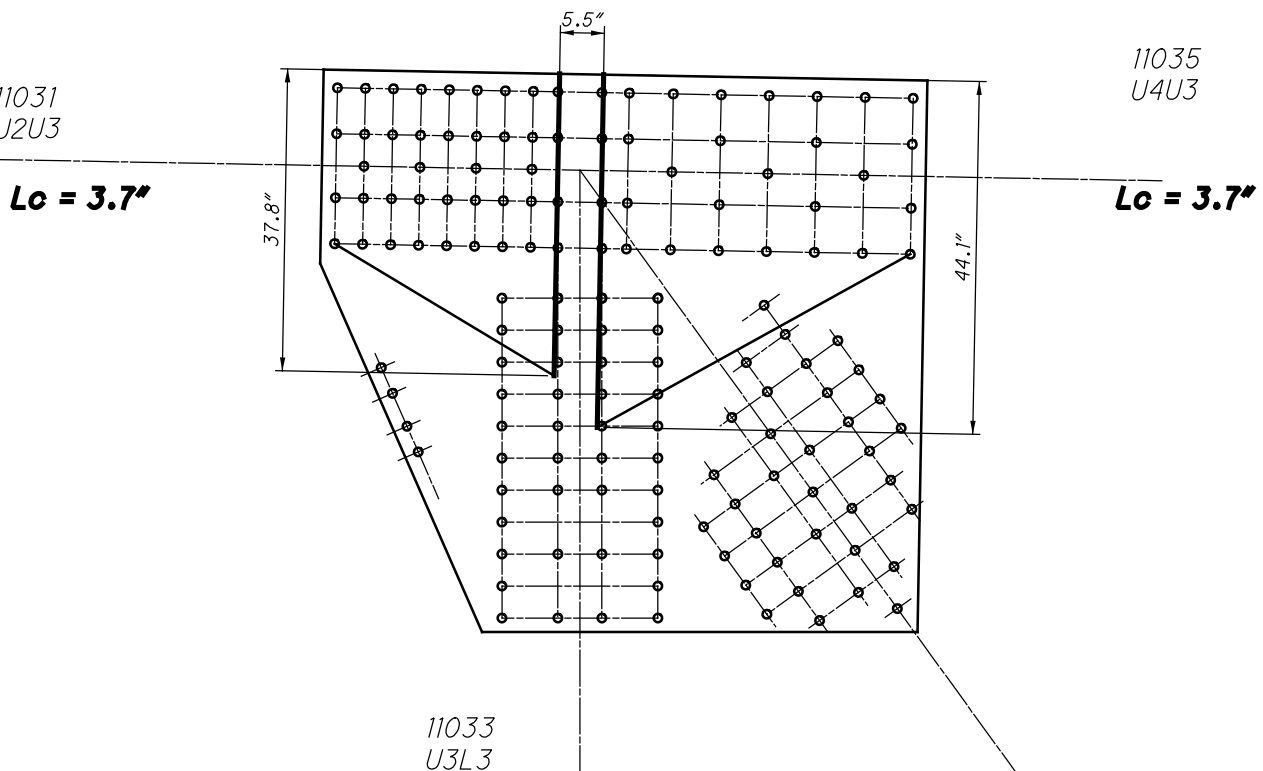
11035
U4U3



**U103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11031
U2U3

11035
U4U3



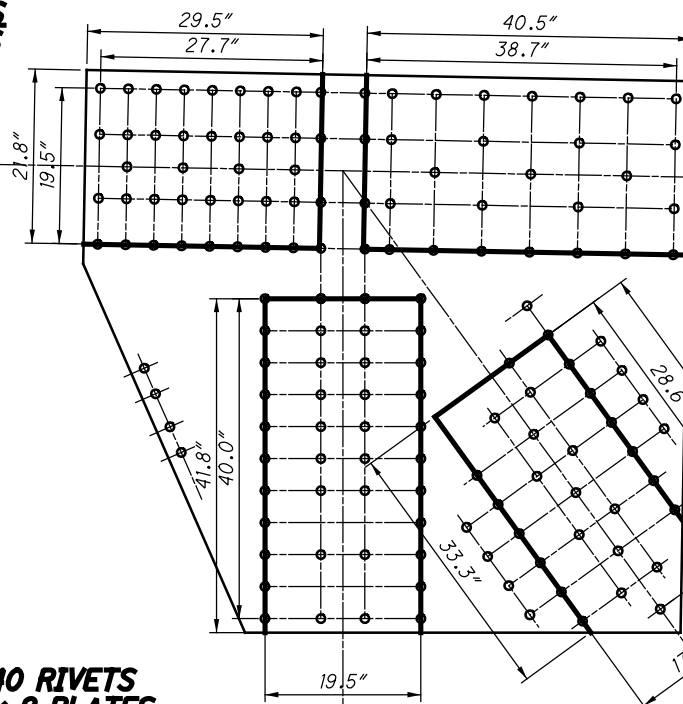
**U103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

**40 RIVETS
x 2 PLATES
=80 RIVETS**

11103 AND 41103

11031
U2U3

11035
U4U3



**29 RIVETS
x 2 PLATES
=58 RIVETS**

**40 RIVETS
x 2 PLATES
=80 RIVETS**

11033
U3L3

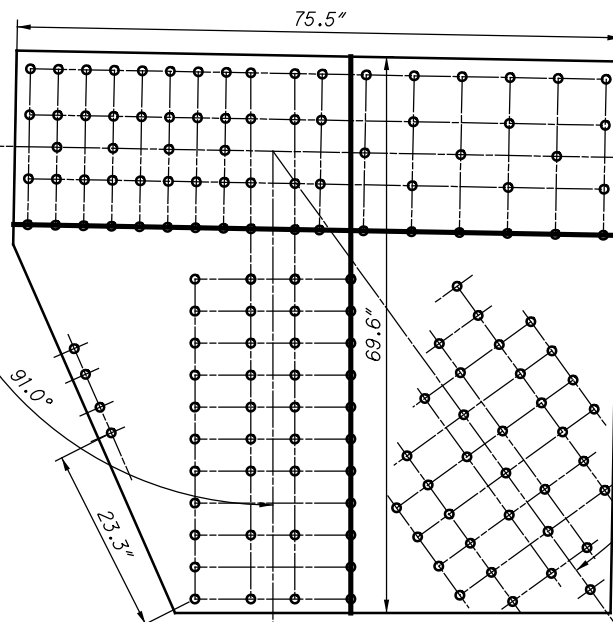
**27 RIVETS
x 2 PLATES
=54 RIVETS**

11034
U3L4

**U103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11031
U2U3

11035
U4U3



11033
U3L3

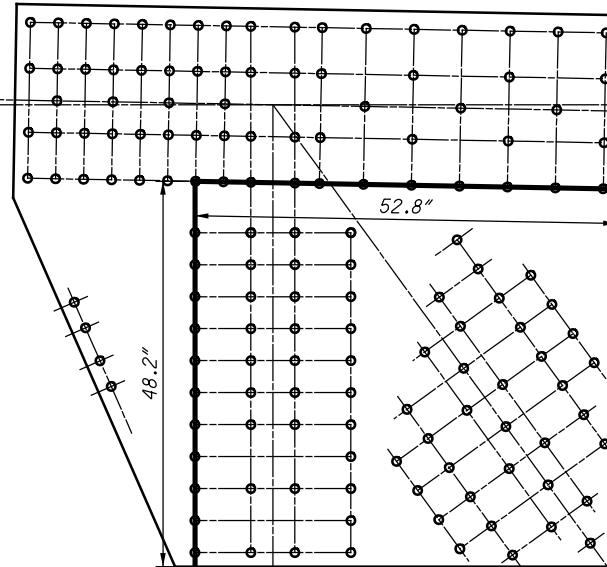
11034
U3L4

**U103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

11103 AND 41103

11035
U4U3

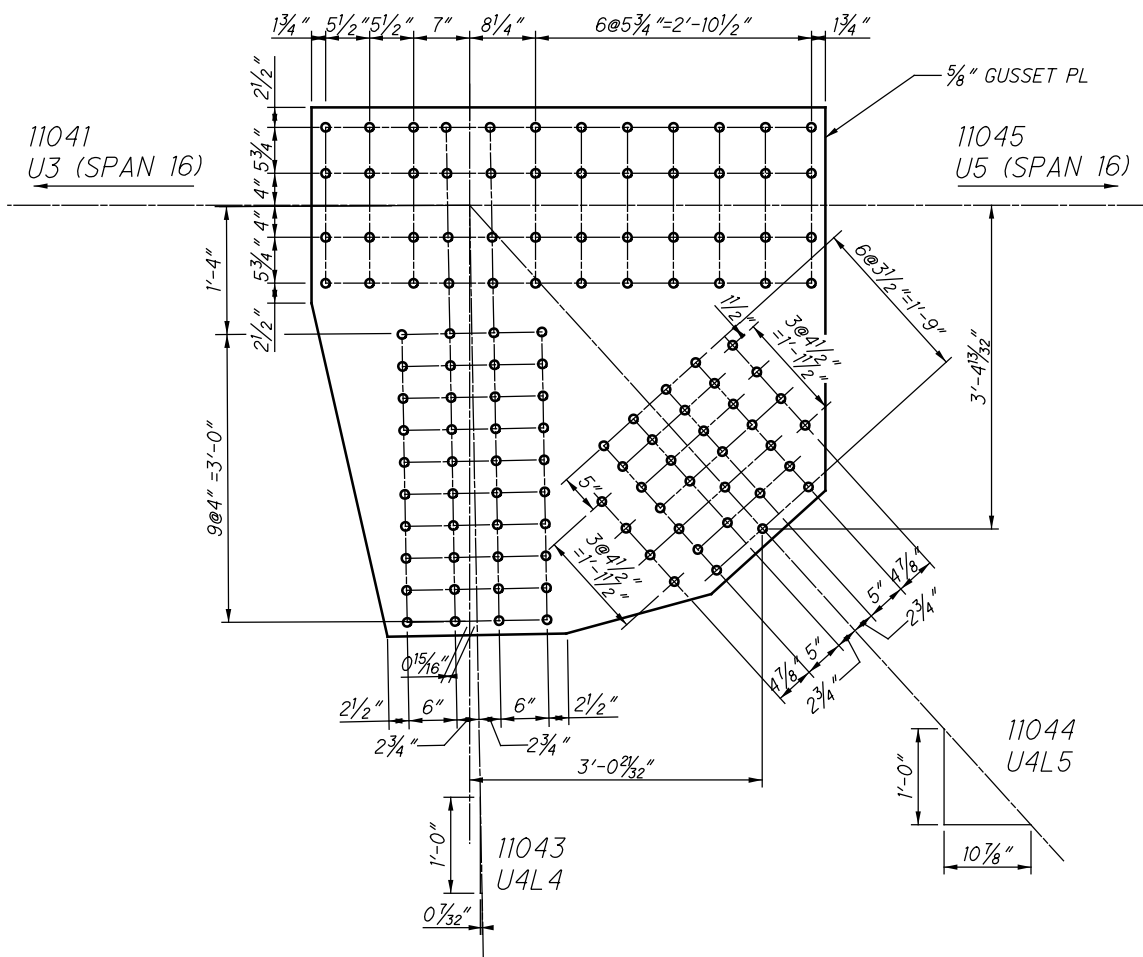
11031
U2U3



11033
U3L3

11034
U3L4

**U103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



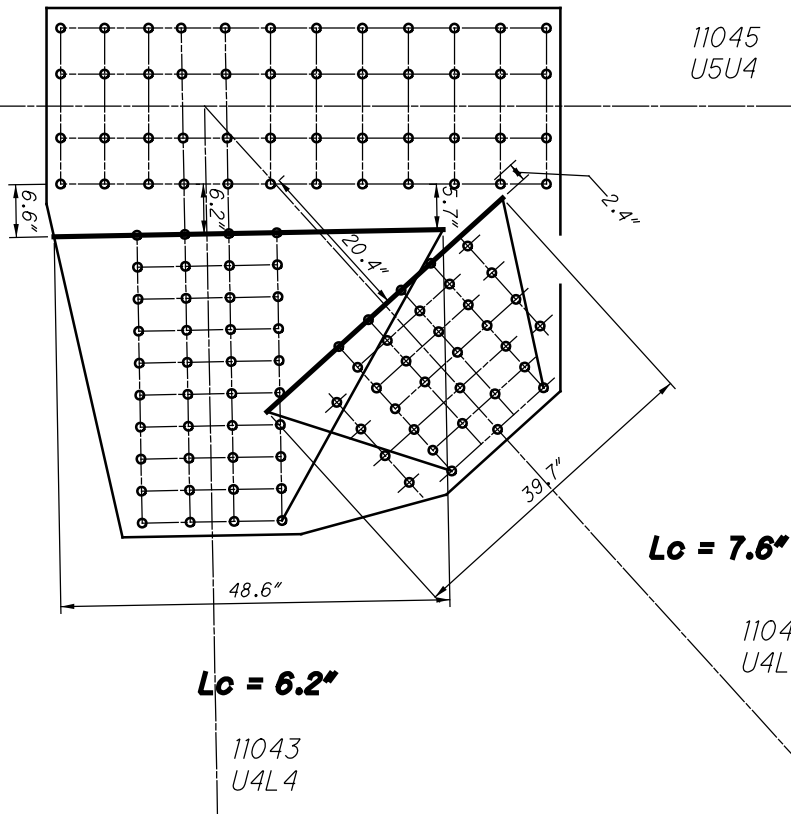
**U104 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

CHORD IS CONTINUOUS

11104 AND 41104

11041
U3U4

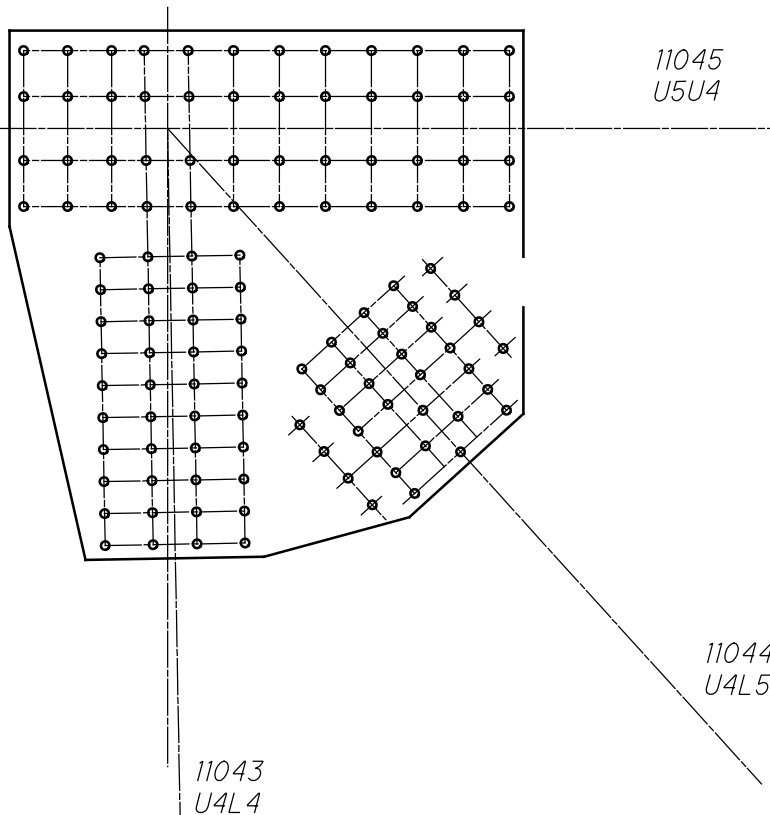
11045
U5U4



**U104 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11041
U3U4

11045
U5U4



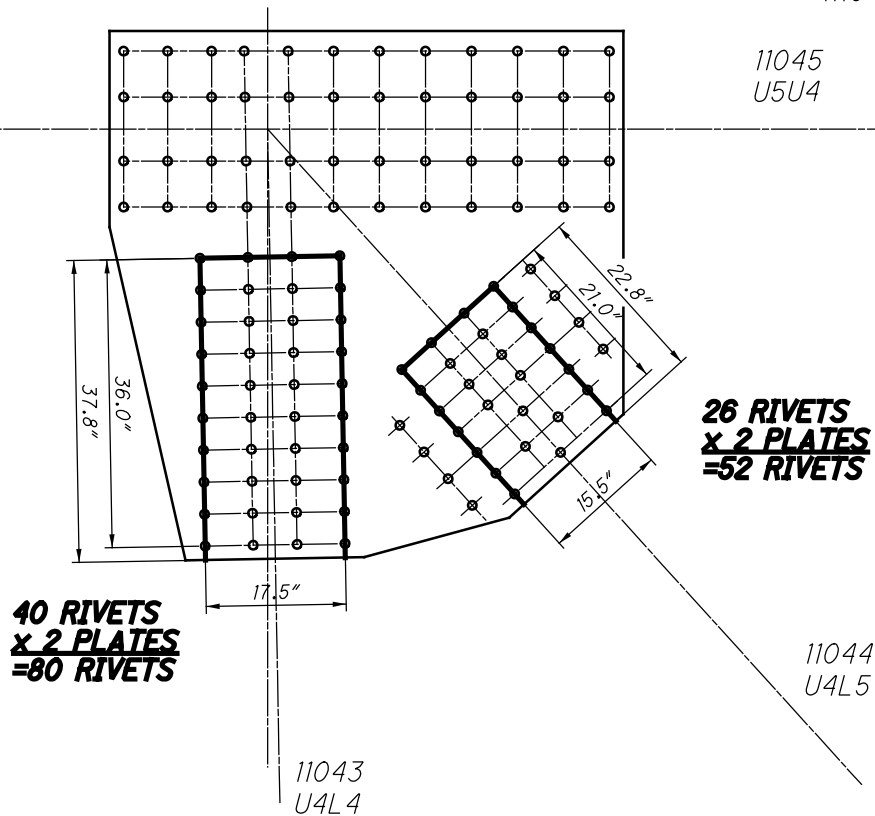
**U104 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

11104 AND 41104

11041
U3U4

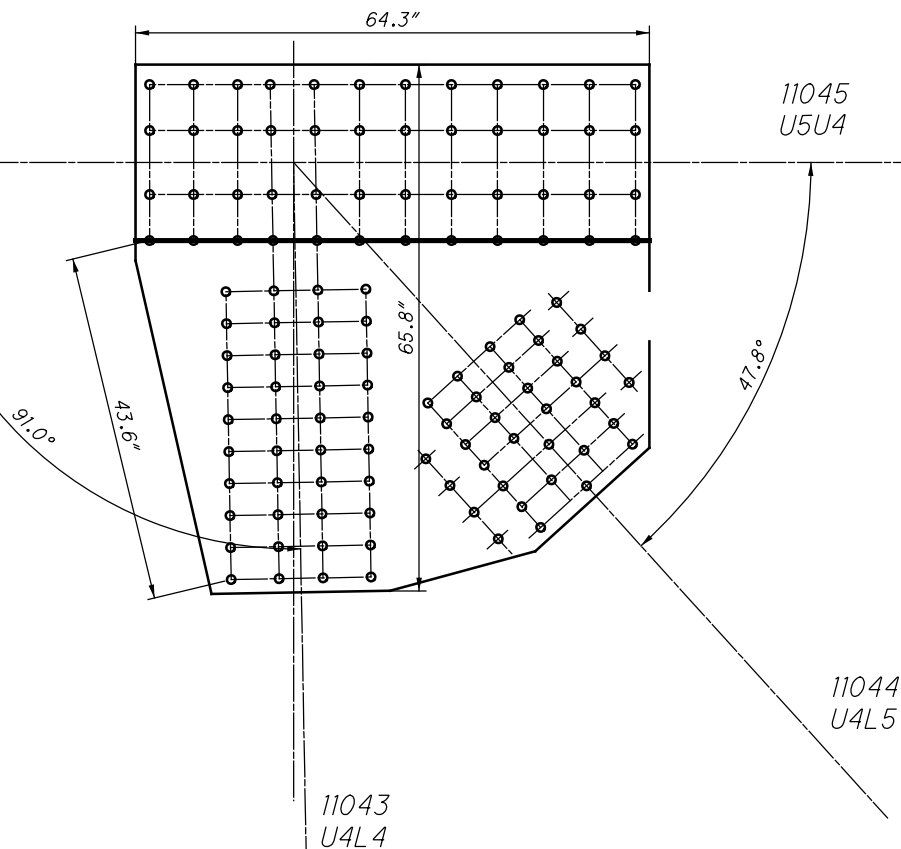
11045
U5U4



**U104 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11041
U3U4

11045
U5U4

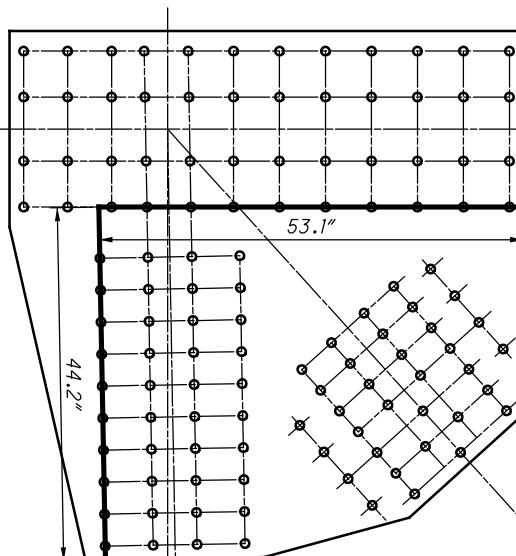


**U104 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

11104 AND 41104

11041
U3U4

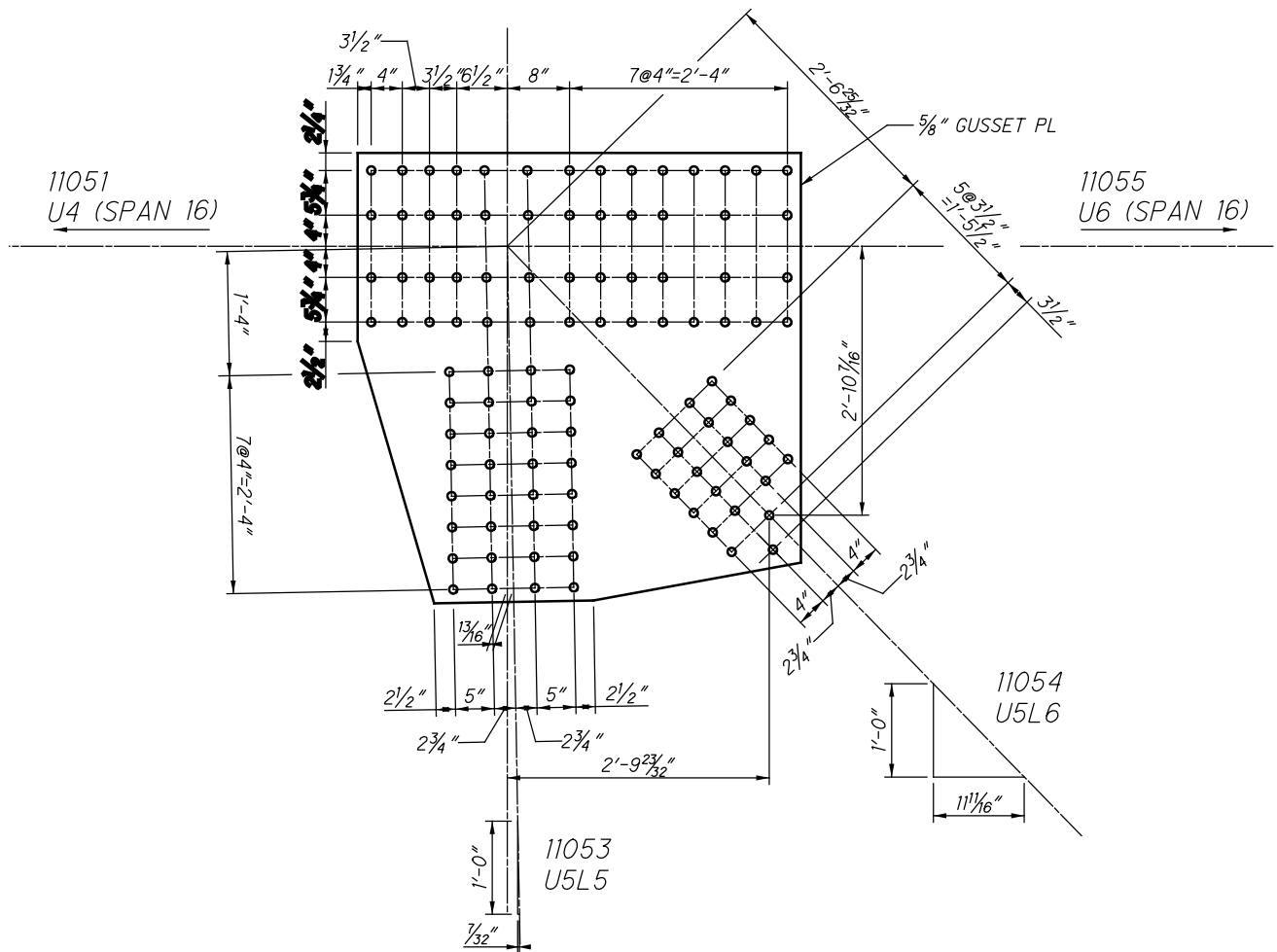
11045
U5U4



11044
U4L5

11043
U4L4

**U104 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

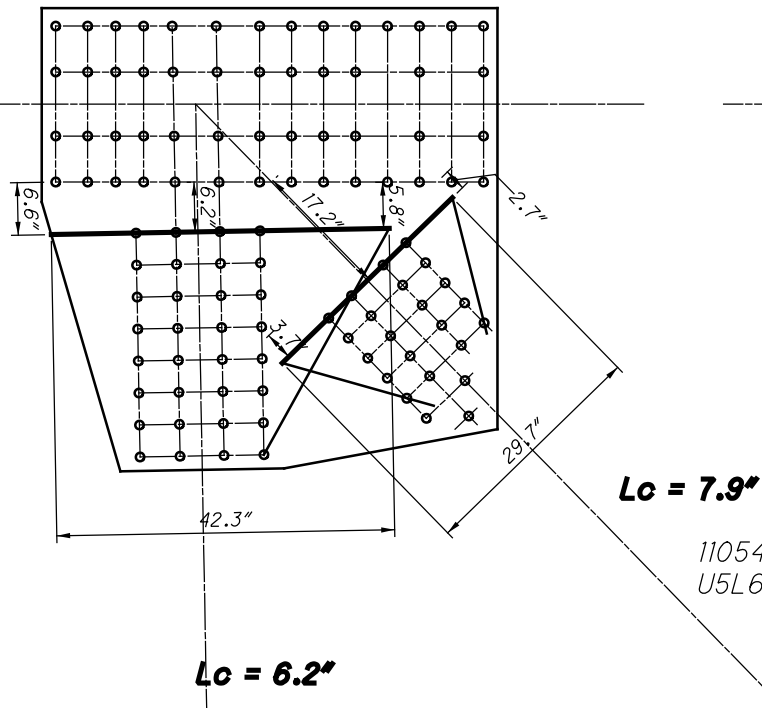


**U105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

1105 AND 4105

11051
U4U5

11055
U6U5



11054
U5L6

$L_c = 6.2"$

11053
U5L5

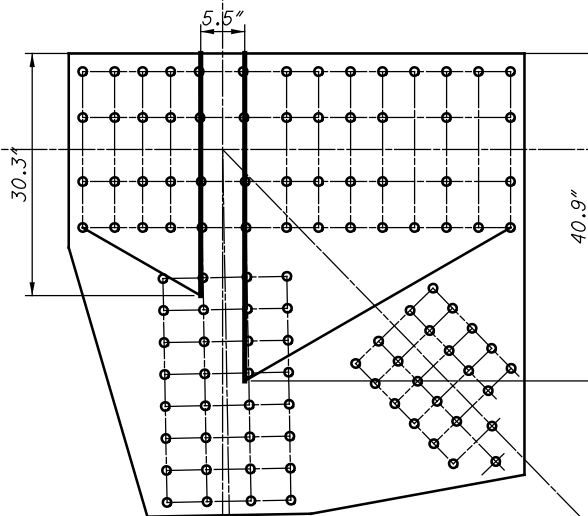
**U105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11051
U4U5

11055
U6U5

$L_c = 3.7"$

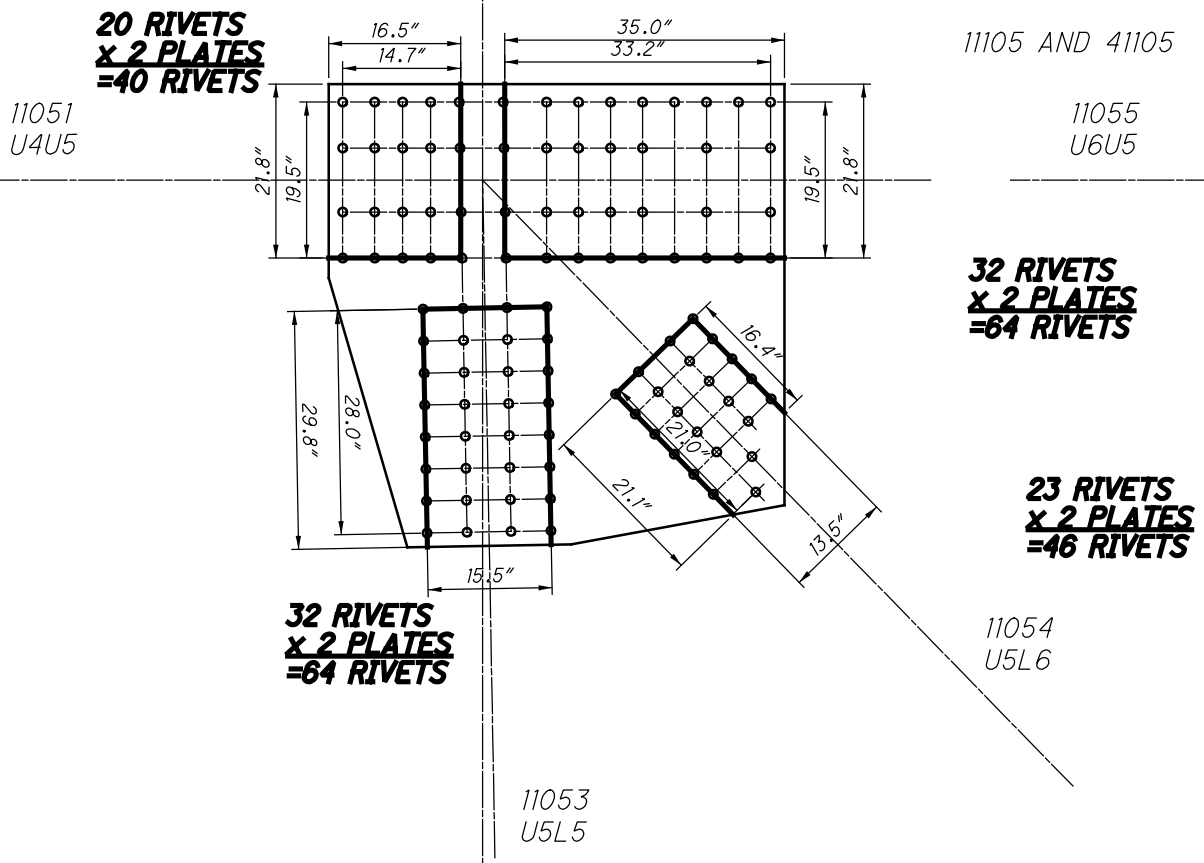
$L_c = 3.7"$



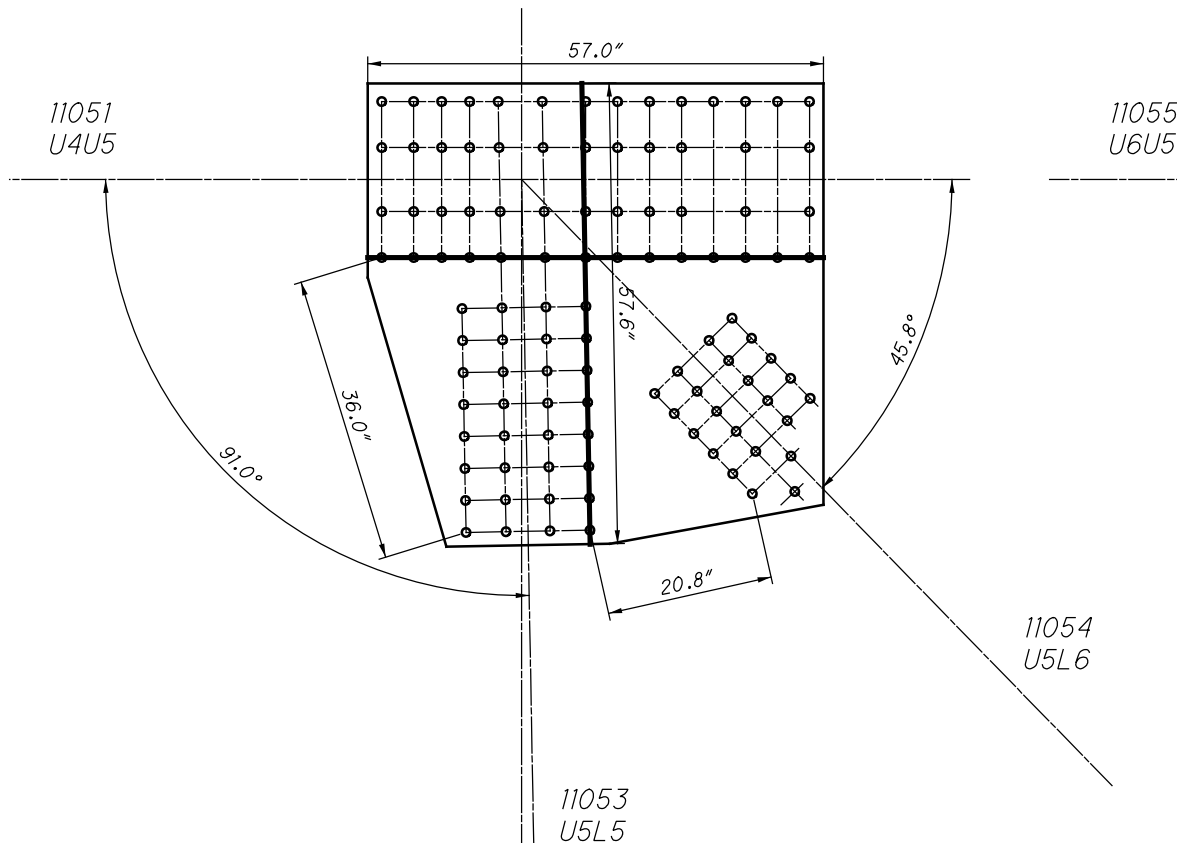
11054
U5L6

11053
U5L5

**U105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

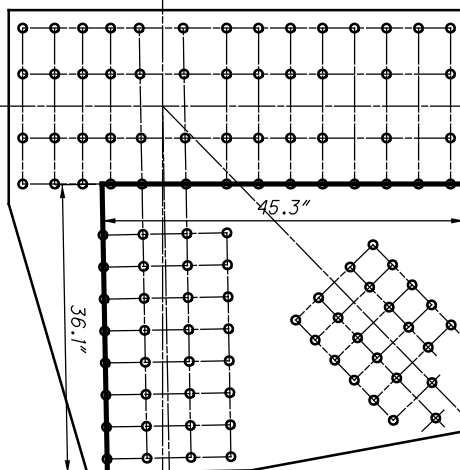


**U105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

11105 AND 41105

11051
U4U5

11055
U6U5



11054
U5L6

11053
U5L5

**U105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

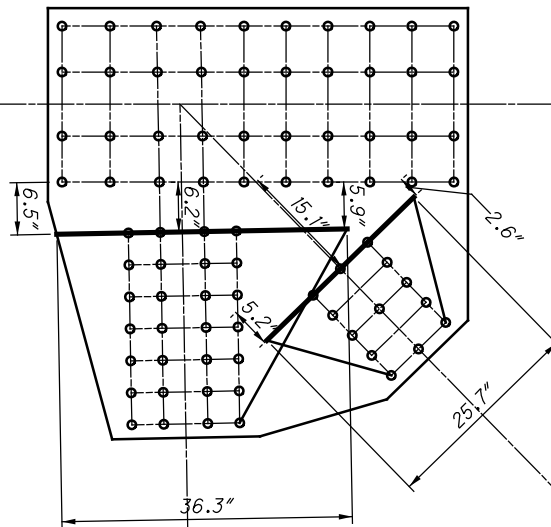


CHORD IS CONTINUOUS

11106 AND 41106

11061
U5U6

11065
U7U6



$L_c = 7.6"$

11064
U6L7

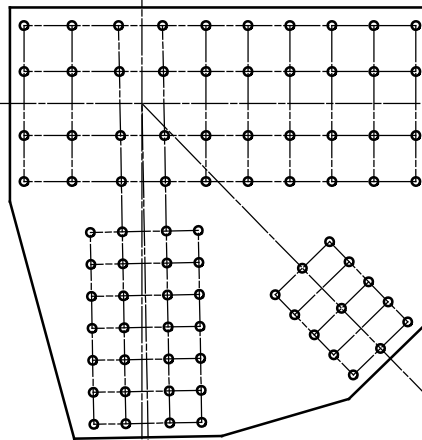
$L_c = 6.2"$

11063
U6L6

**U106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11061
U5U6

11065
U7U6



11064
U6L7

11063
U6L6

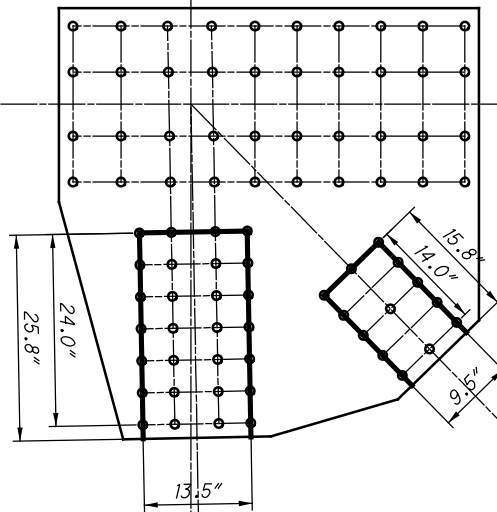
**U106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

11106 AND 41106

11061
U5U6

11065
U7U6



**13 RIVETS
x 2 PLATES
=26 RIVETS**

**28 RIVETS
x 2 PLATES
=56 RIVETS**

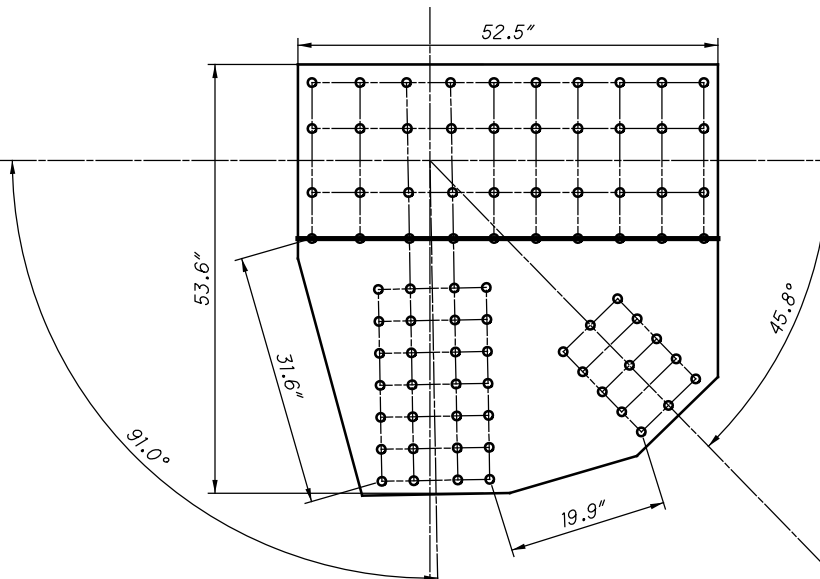
11064
U6L 7

11063
U6L 6

**U106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11061
U5U6

11065
U7U6



11064
U6L 7

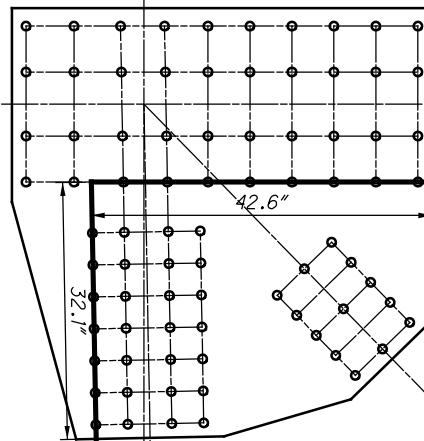
11063
U6L 6

**U106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

11061
U5U6

11106 AND 411016

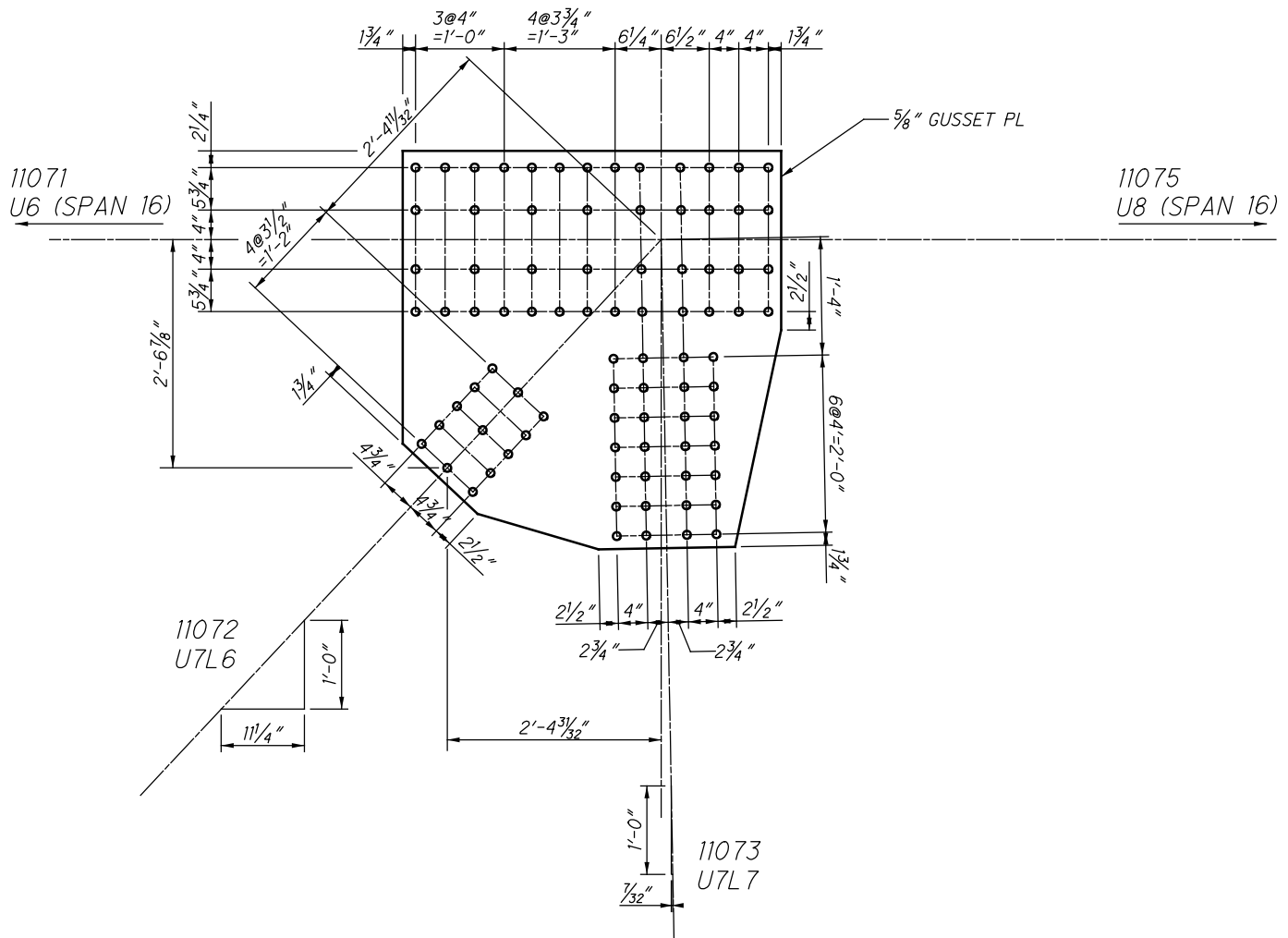
11065
U7U6



11063
U6L6

11064
U6L7

**U106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**U107 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

11071
U6U7

11075
U8U7

$L_c = 7.8"$

11072
U7L6

$L_c = 6.3"$

11073
U7L7

**U107 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11071
U6U7

$L_c = 3.7"$

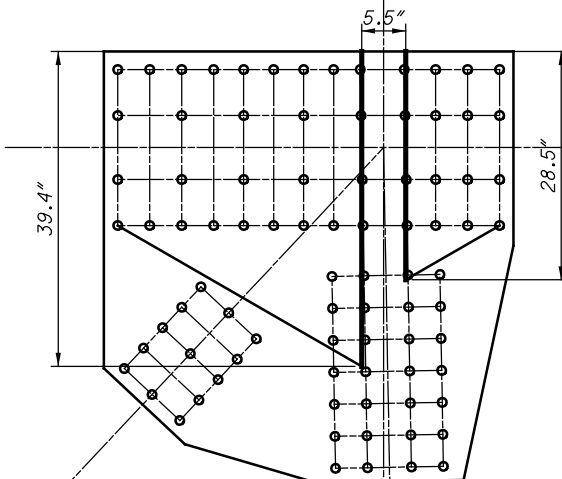
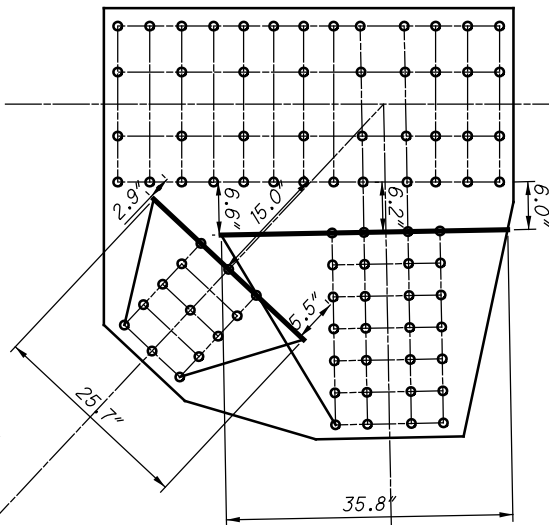
11075
U8U7

$L_c = 3.7"$

11072
U7L6

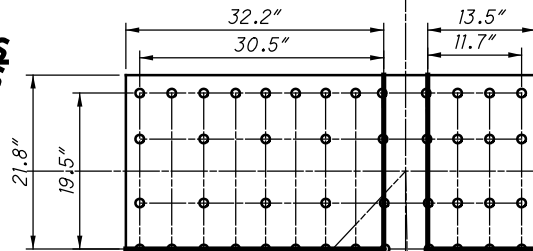
11073
U7L7

**U107 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



11071
U6U7

**28 RIVETS
x 2 PLATES
=56 RIVETS**



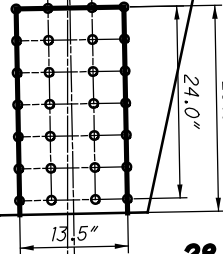
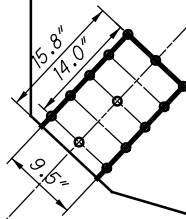
**16 RIVETS
x 2 PLATES
=32 RIVETS**

11107 AND 41107

11075
U8U7

**13 RIVETS
x 2 PLATES
=26 RIVETS**

11072
U7L6



**28 RIVETS
x 2 PLATES
=56 RIVETS**

11073
U7L7

**U107 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

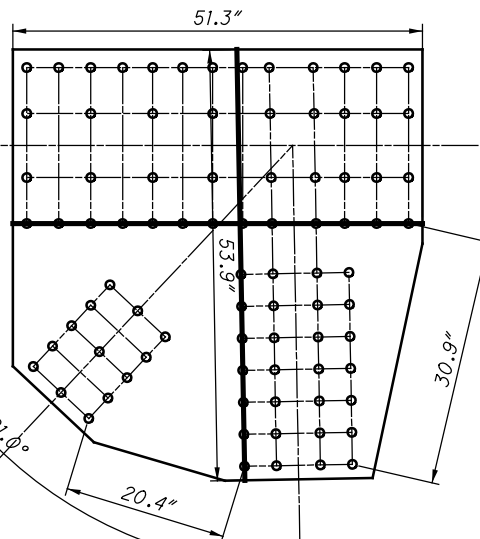
11071
U6U7

11075
U8U7

11072
U7L6

11073
U7L7

**U107 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**



11107 AND 41107

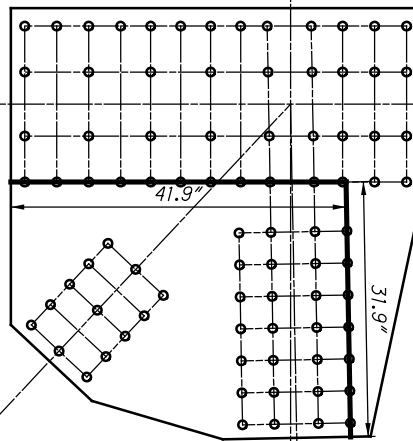
11071
U6U7

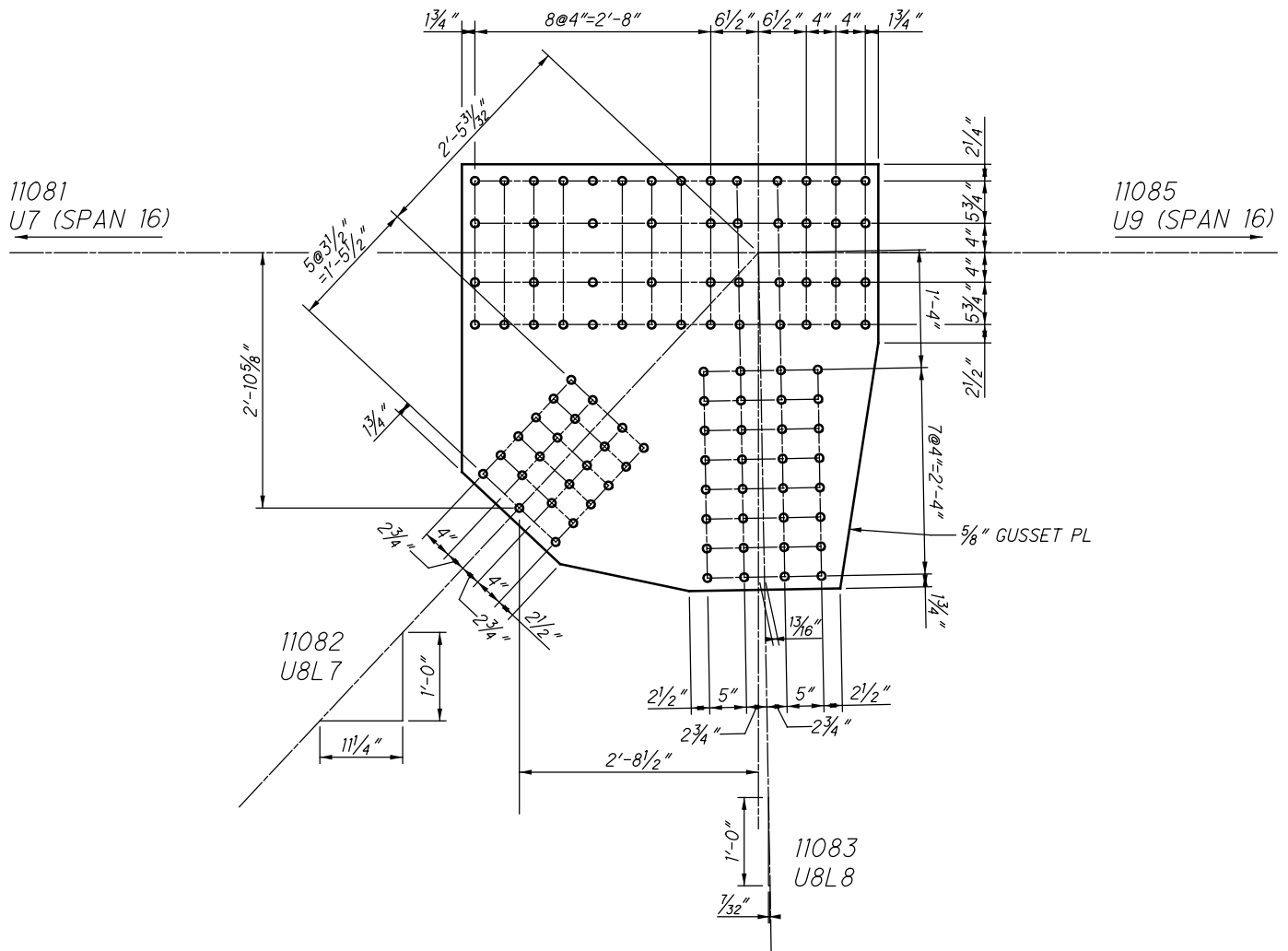
11075
U8U7

11072
U7L6

11073
U7L7

**U107 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

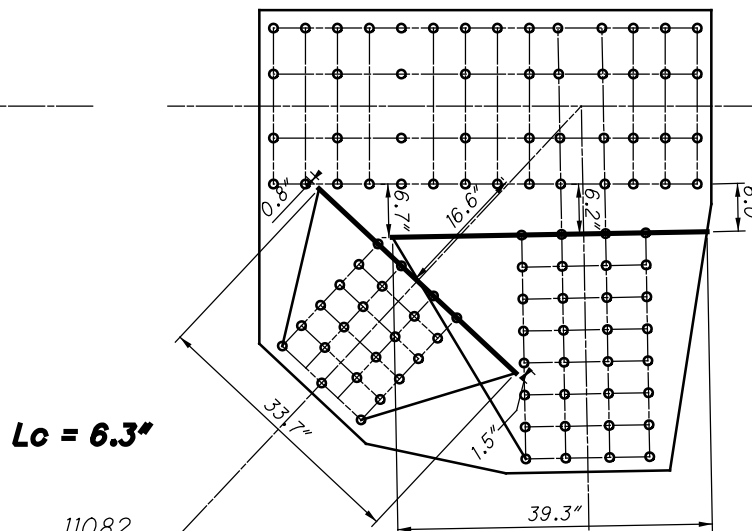




**U108 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

11081
U7U8

11085
U9U8



Lc = 6.3"

Lc = 6.3"

11082
U8L7

11083
U8L8

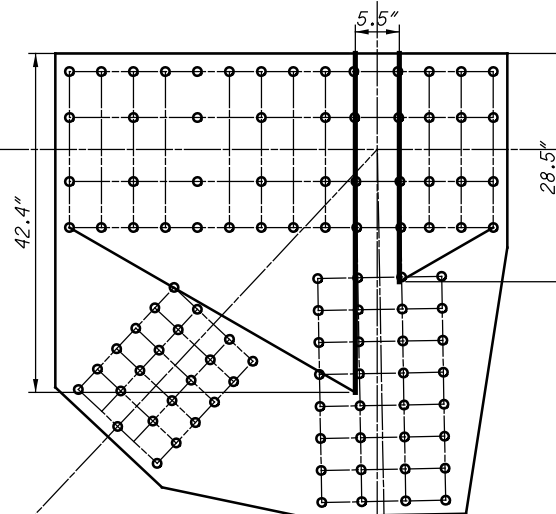
**U108 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11081
U7U8

11085
U9U8

Lc = 3.7"

Lc = 3.7"



11082
U8L7

11083
U8L8

**U108 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11081
U7U8

**32 RIVETS
x 2 PLATES
=64 RIVETS**

11108 AND 41108

11085
U9U8

**16 RIVETS
x 2 PLATES
=32 RIVETS**

**23 RIVETS
x 2 PLATES
=46 RIVETS**

11082
U8L7

**32 RIVETS
x 2 PLATES
=64 RIVETS**

11083
U8L8

**U108 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

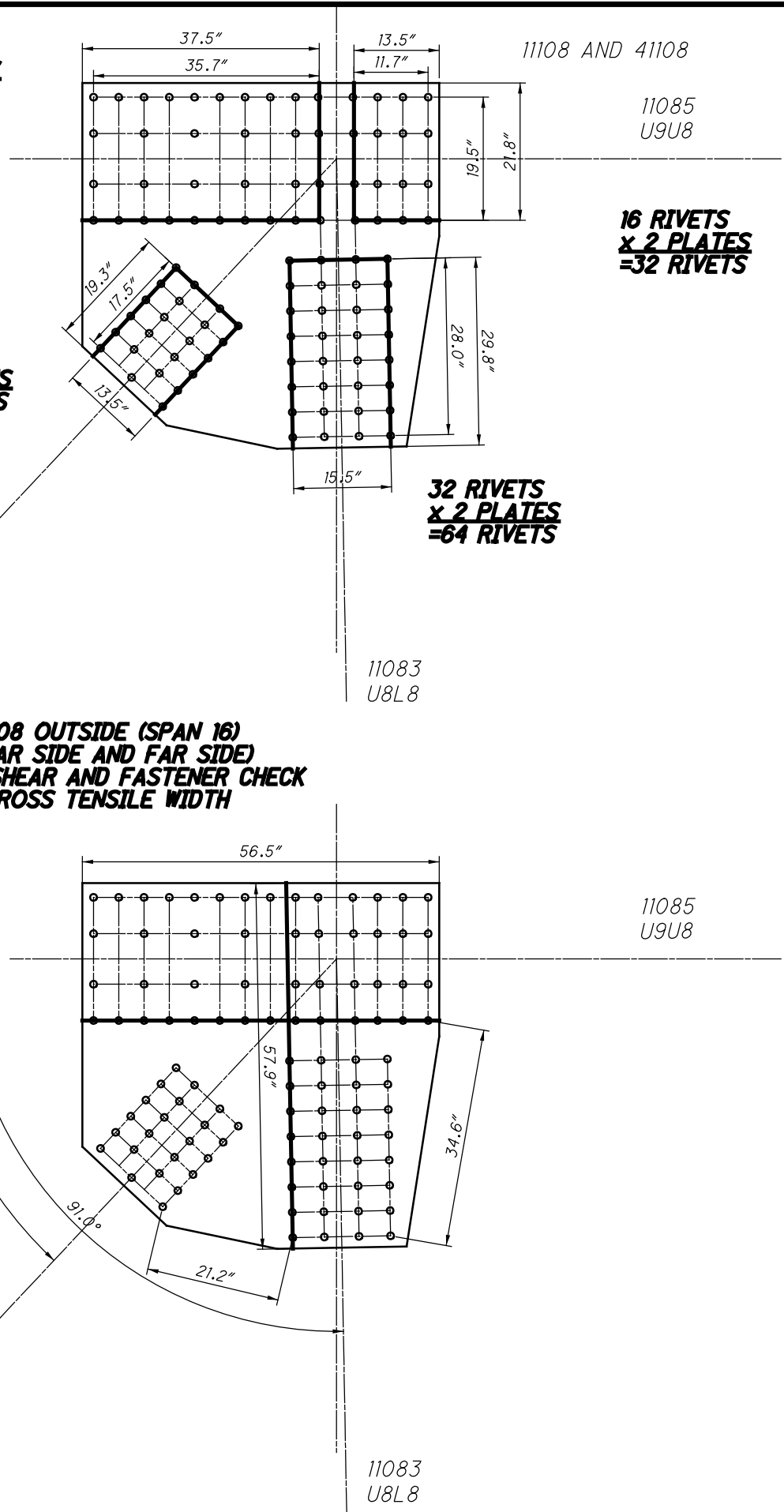
11081
U7U8

11085
U9U8

11082
U8L7

11083
U8L8

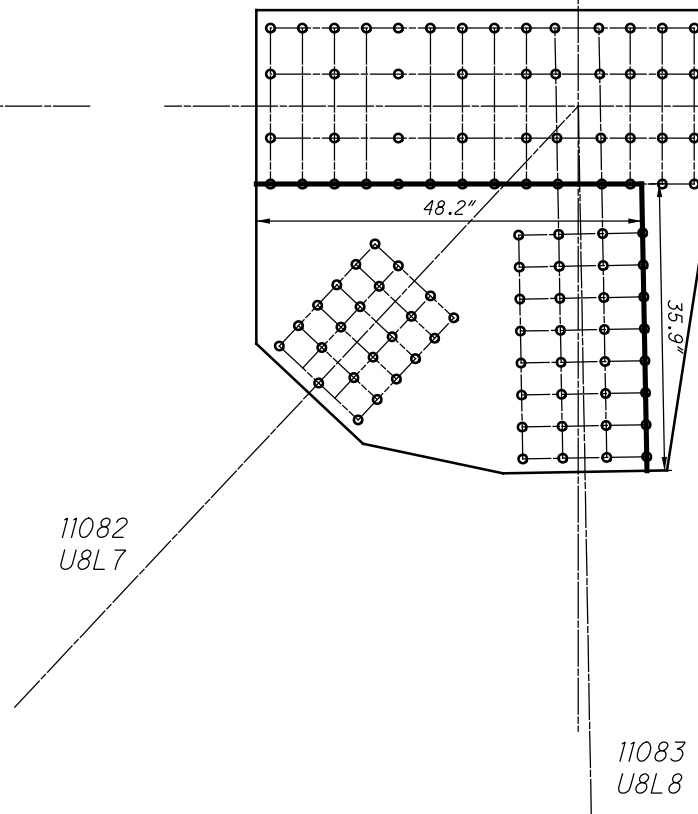
**U108 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**



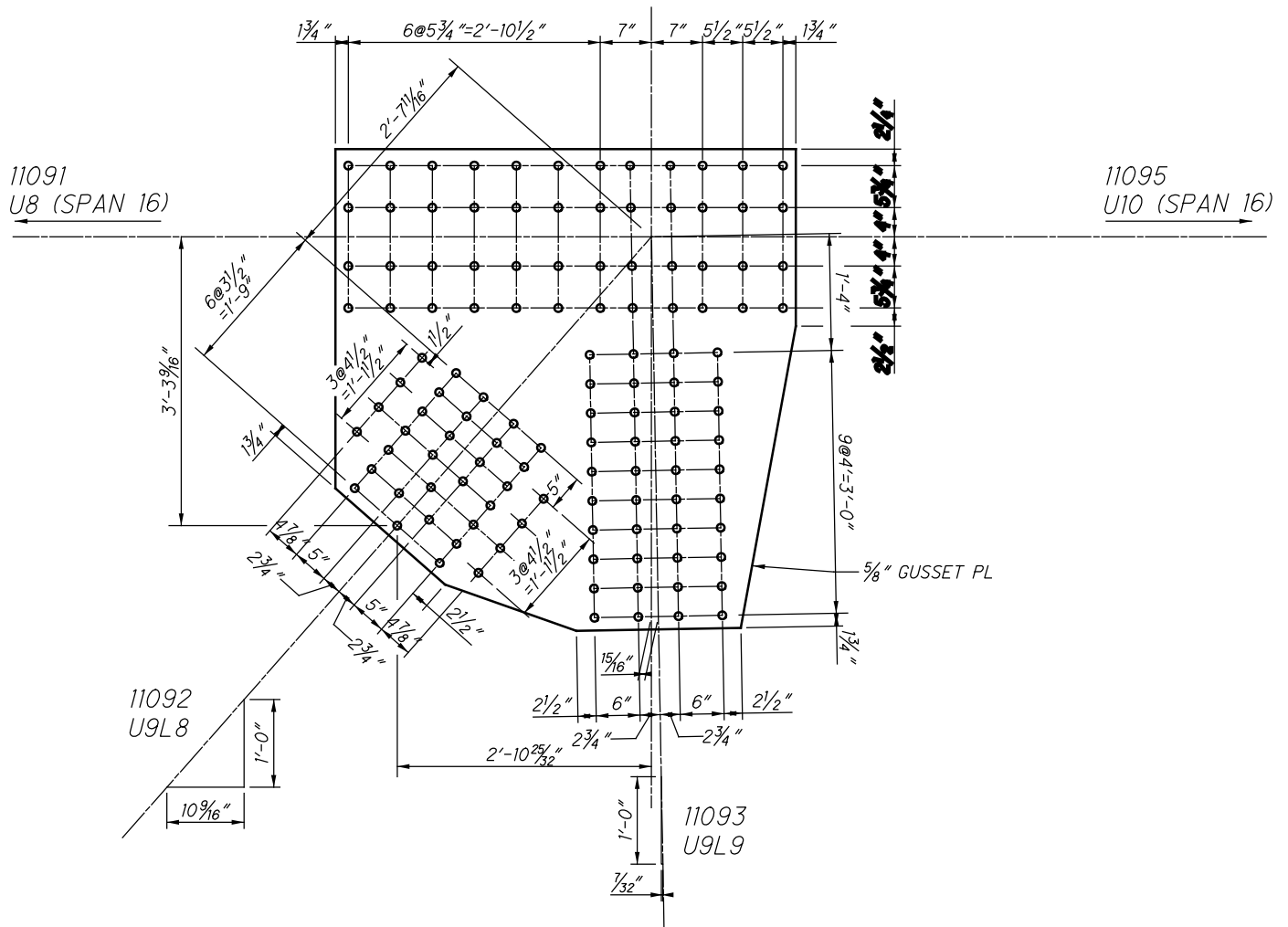
11108 AND 41108

11081
U7U8

11085
U9U8



**U108 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



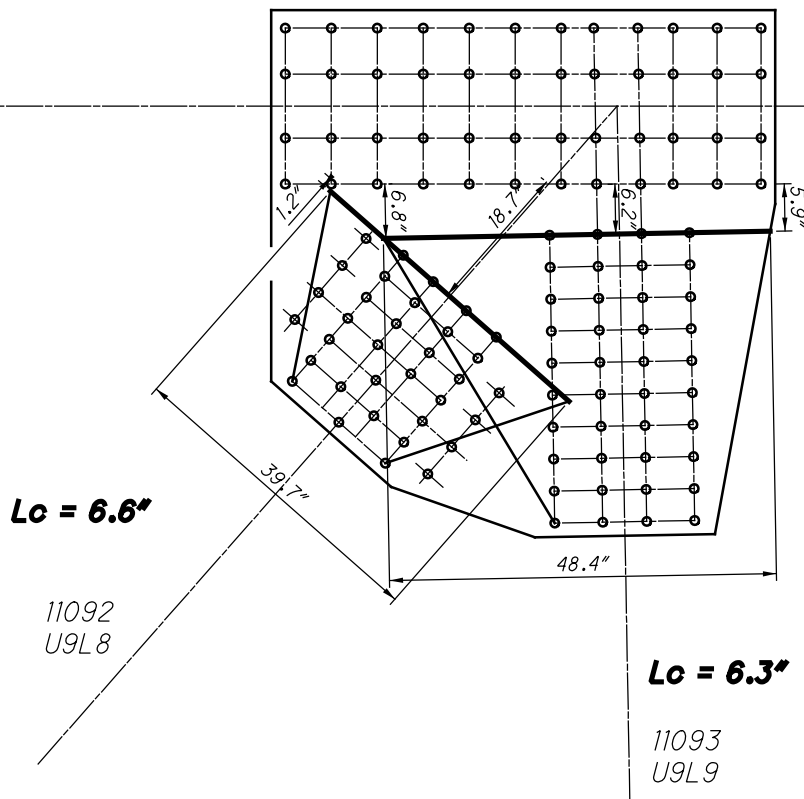
**U109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

CHORD IS CONTINUOUS

11109 AND 41109

11091
U8U9

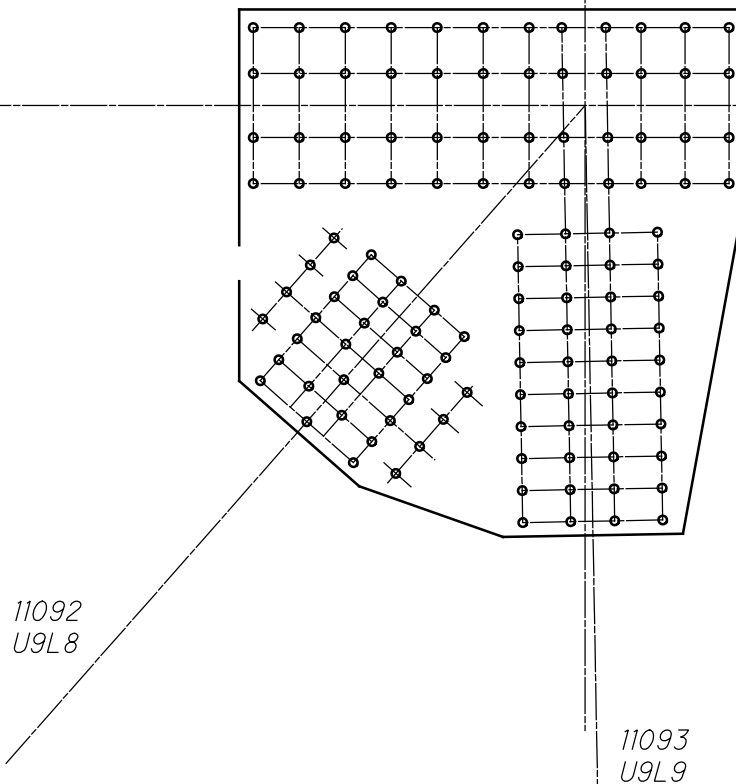
11095
U10U9



**U109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11091
U8U9

11095
U10U9



**U109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

11109 AND 41109

11091
U8U9

11095
U10U9

**35 RIVETS
X 2 PLATES
=70 RIVETS**

**40 RIVETS
X 2 PLATES
=80 RIVETS**

11092
U9L8

11093
U9L9

**U109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11091
U8U9

11095
U10U9

11092
U9L8

11093
U9L9

**U109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

11109 AND 41109

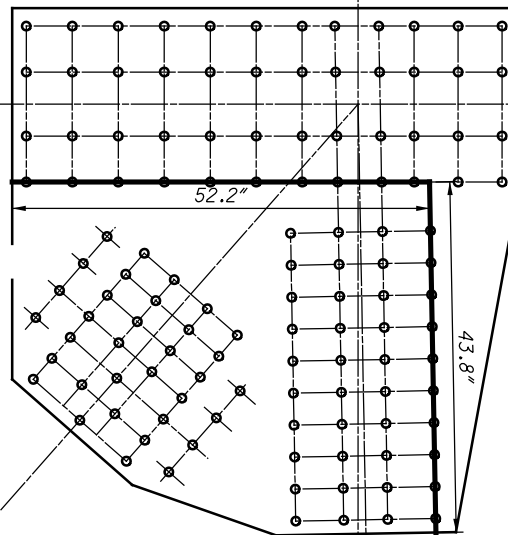
11091
U8U9

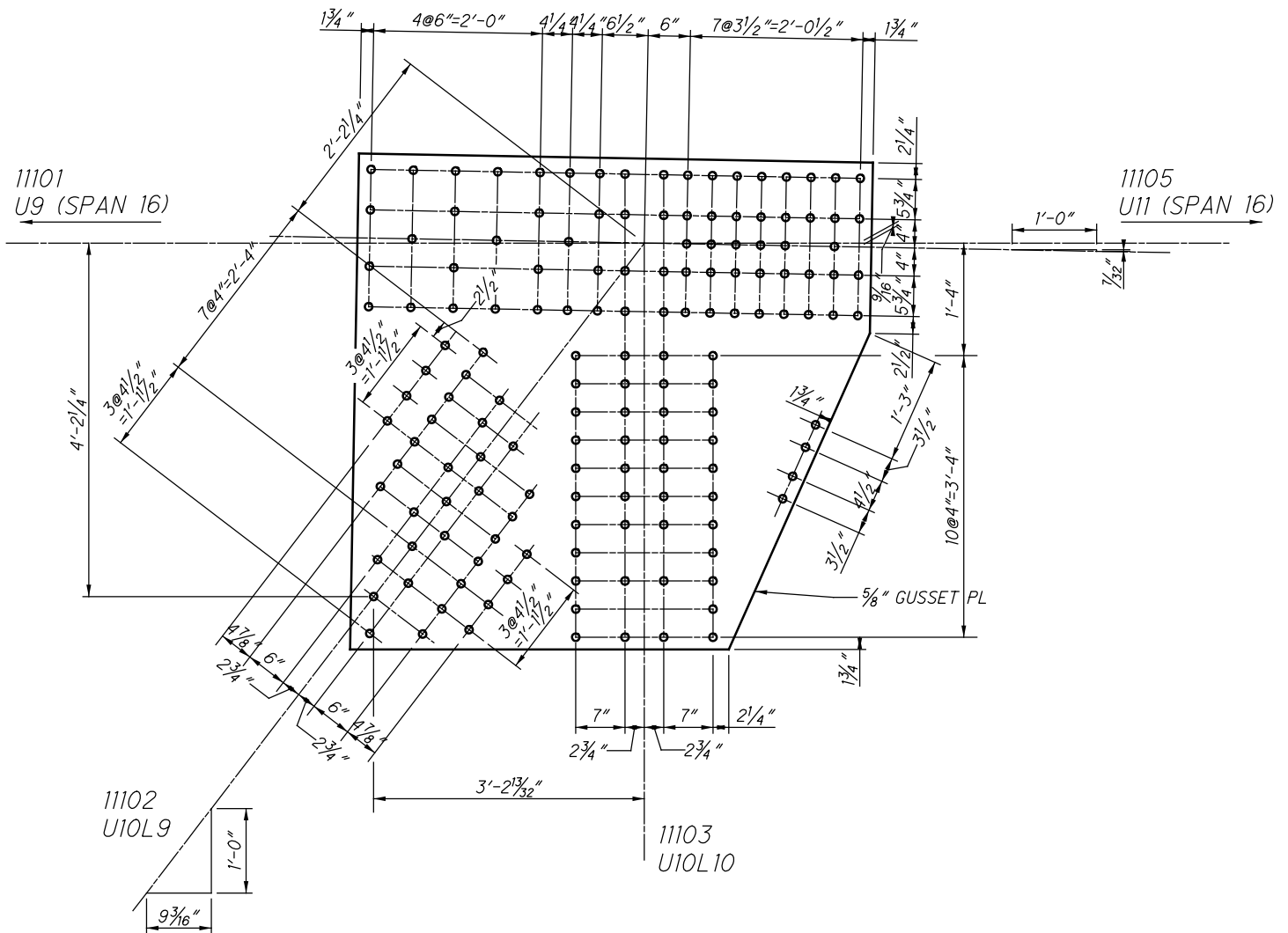
11095
U10U9

11092
U9L8

11093
U9L9

**U109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

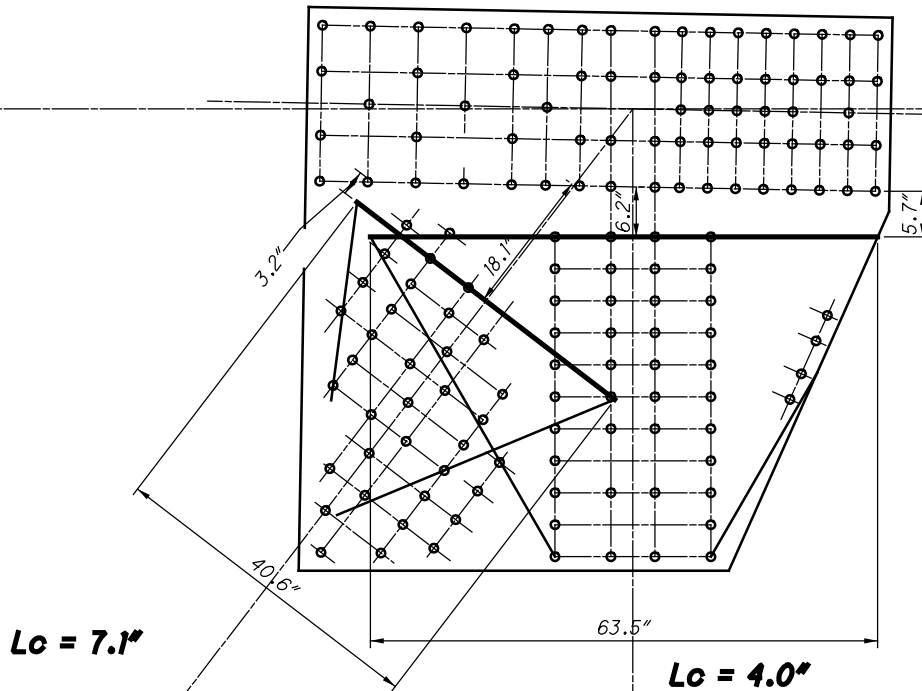




**U110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

11101
U9U10

11105
U11U10



11102
U10L9

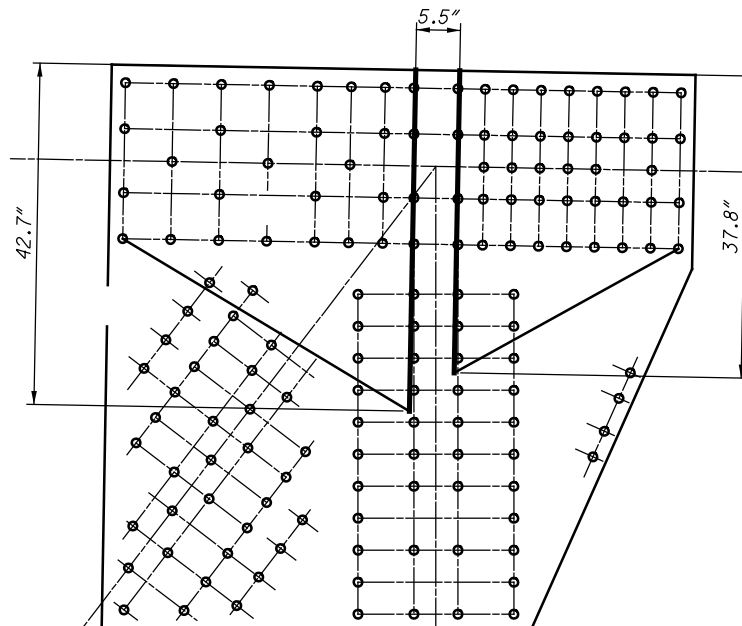
11103
U10L10

**U110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11101
U9U10

11105
U11U10

$L_c = 3.7"$



11102
U10L9

11103
U10L10

**U110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

1110 AND 4110

**29 RIVETS
x 2 PLATES
=58 RIVETS**

11101
U9U10

**42 RIVETS
x 2 PLATES
=84 RIVETS**

11105
U11U10

**28 RIVETS
x 2 PLATES
=56 RIVETS**

11102
U10L9

**40 RIVETS
x 2 PLATES
=80 RIVETS**

11103
U10L10

**U110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

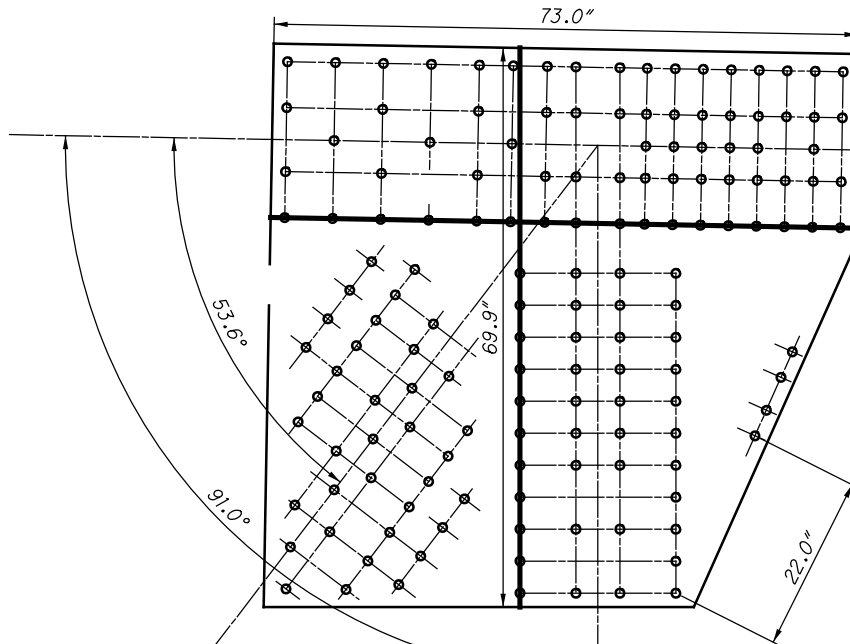
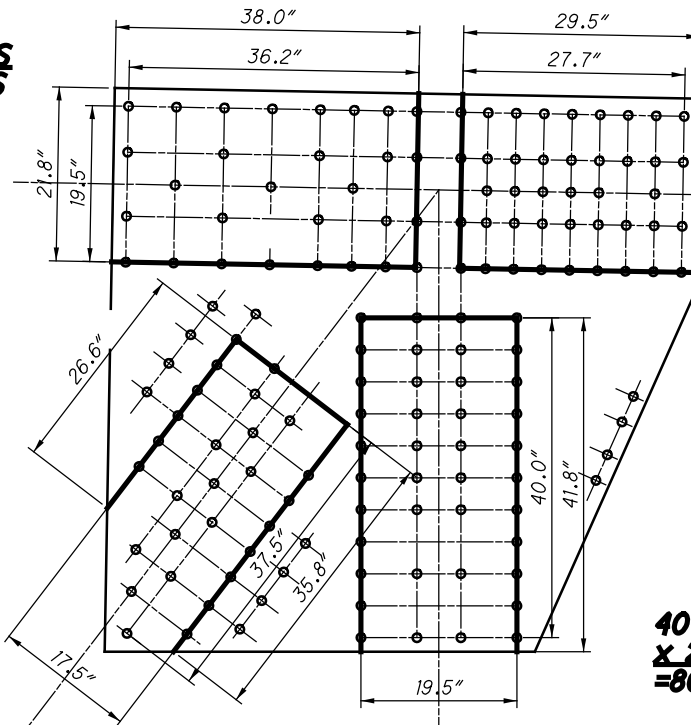
11101
U9U10

11105
U11U10

11102
U10L9

11103
U10L10

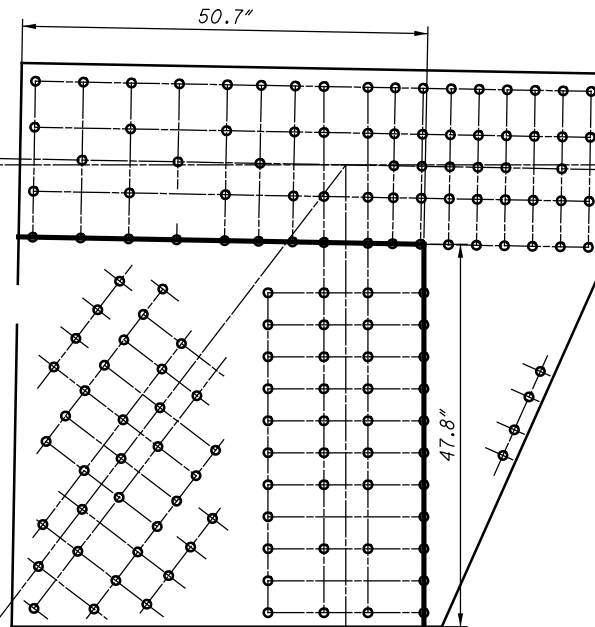
**U110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**



11110 AND 41110

11101
U9U10

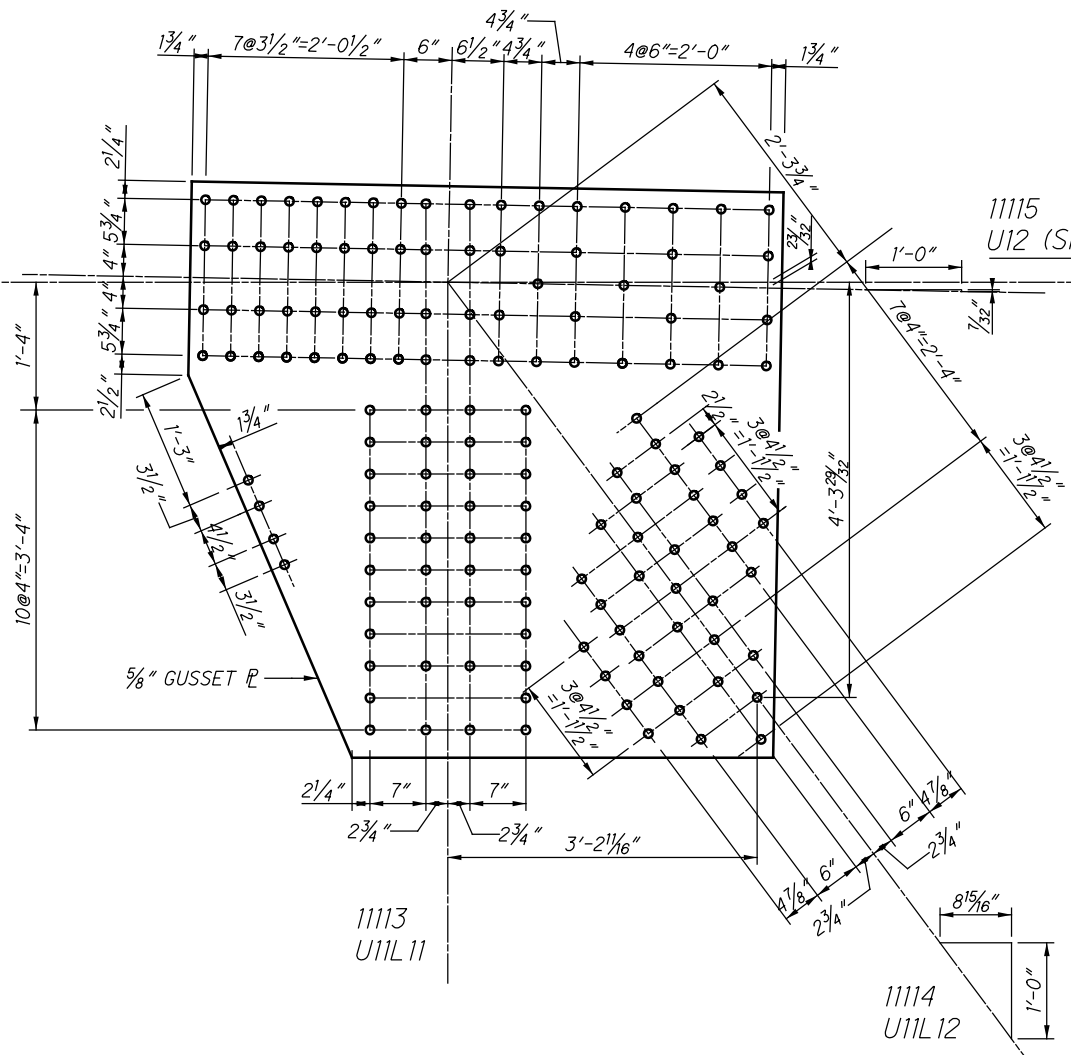
11105
U11U10



11102
U10L9

11103
U10L10

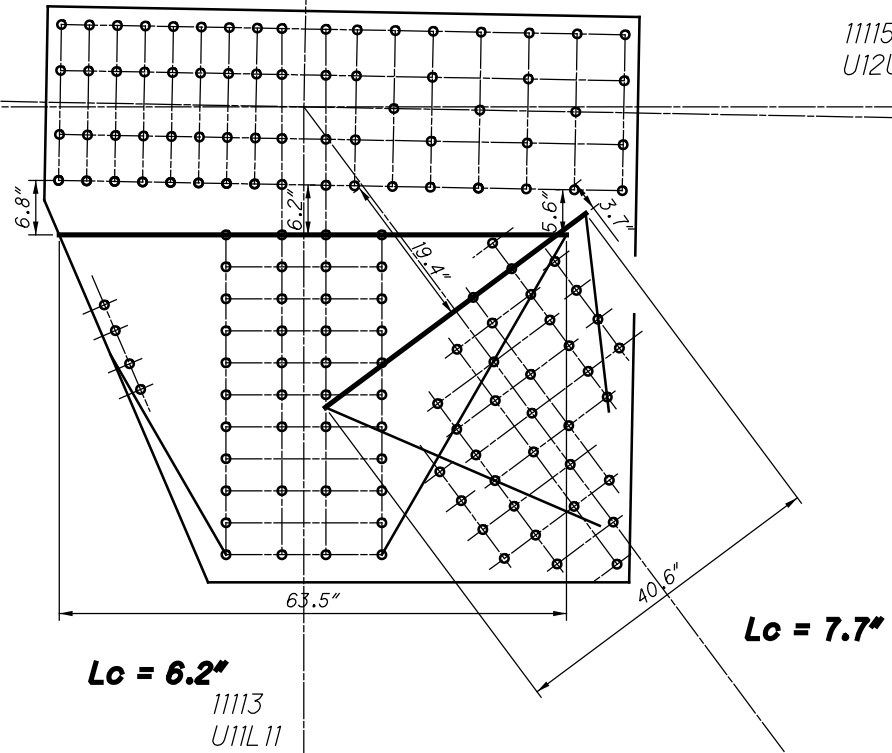
**U110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**U111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

11111
U10U11

11115
U12U11

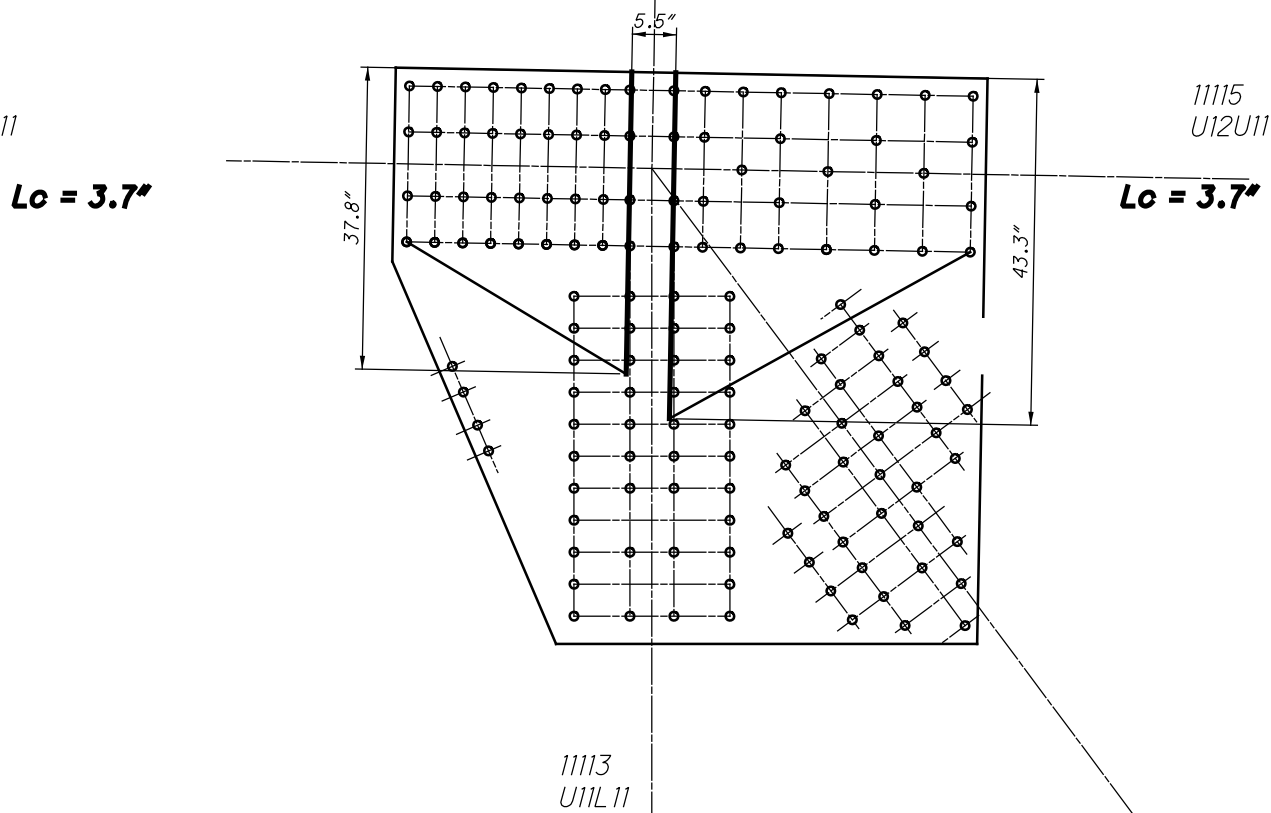


**U111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11114
U11L12

11111
U10U11

11115
U12U11



**U111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11114
U11L12

11111
U10U11

**36 RIVETS
x 2 PLATES
=72 RIVETS**

11111 AND 41111

11115
U12U11

**29 RIVETS
x 2 PLATES
=58 RIVETS**

**28 RIVETS
x 2 PLATES
=56 RIVETS**

**40 RIVETS
x 2 PLATES
=80 RIVETS**

11113
U11L11

**U111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11114
U11L12

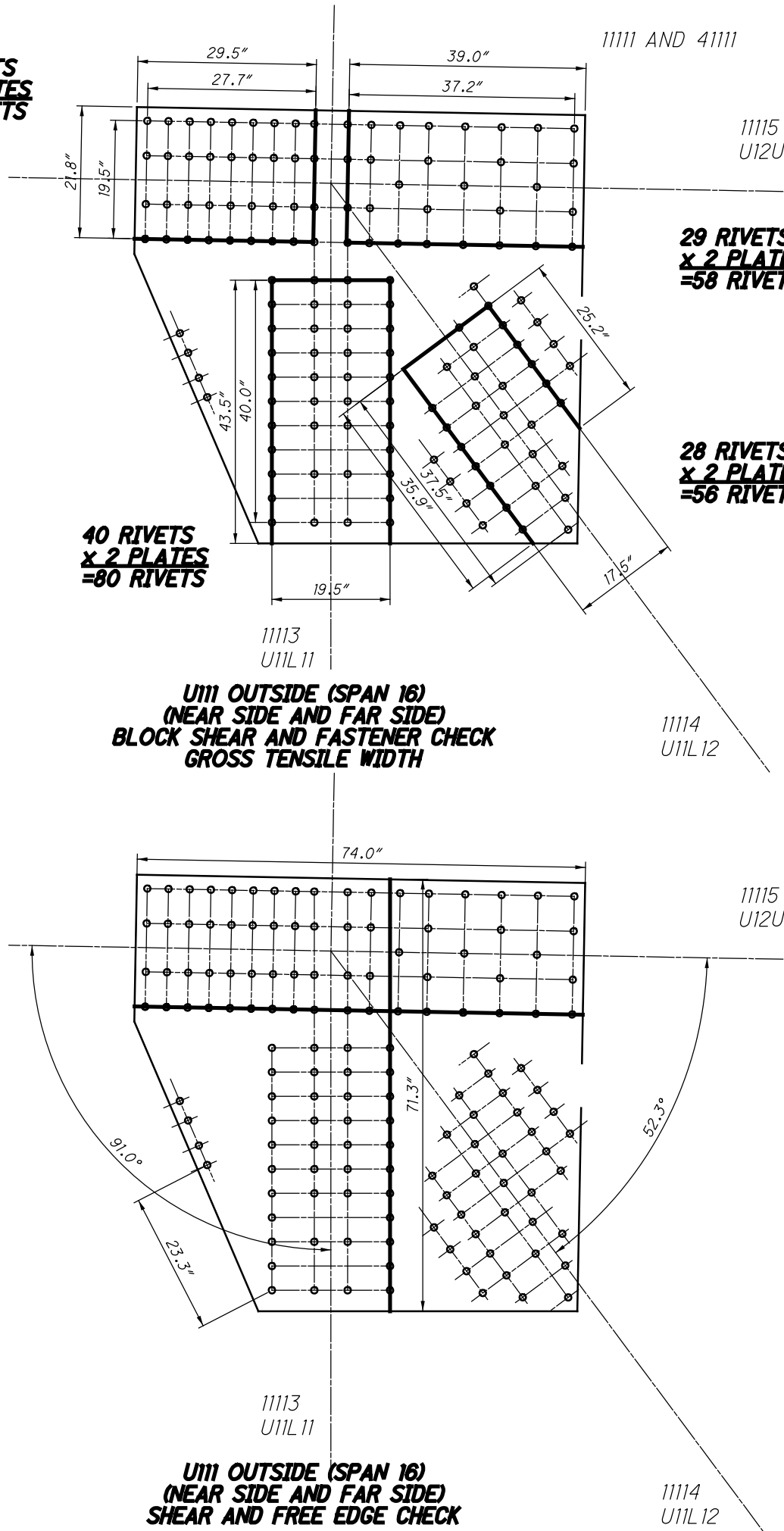
11111
U10U11

11115
U12U11

11113
U11L11

**U111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

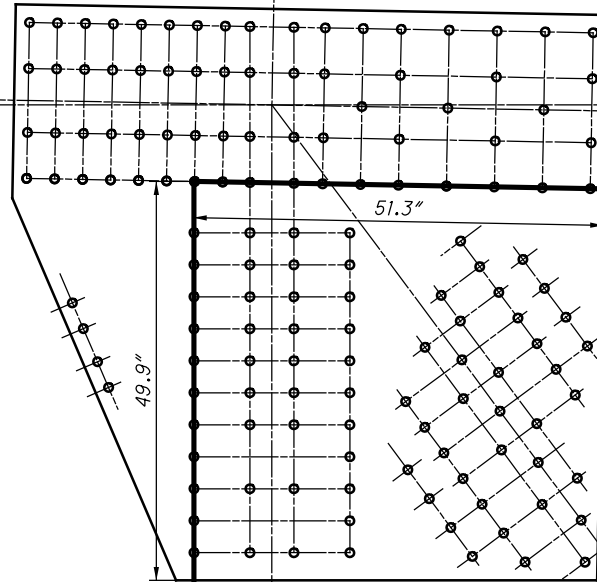
11114
U11L12



1111 AND 4111

1111
U10U11

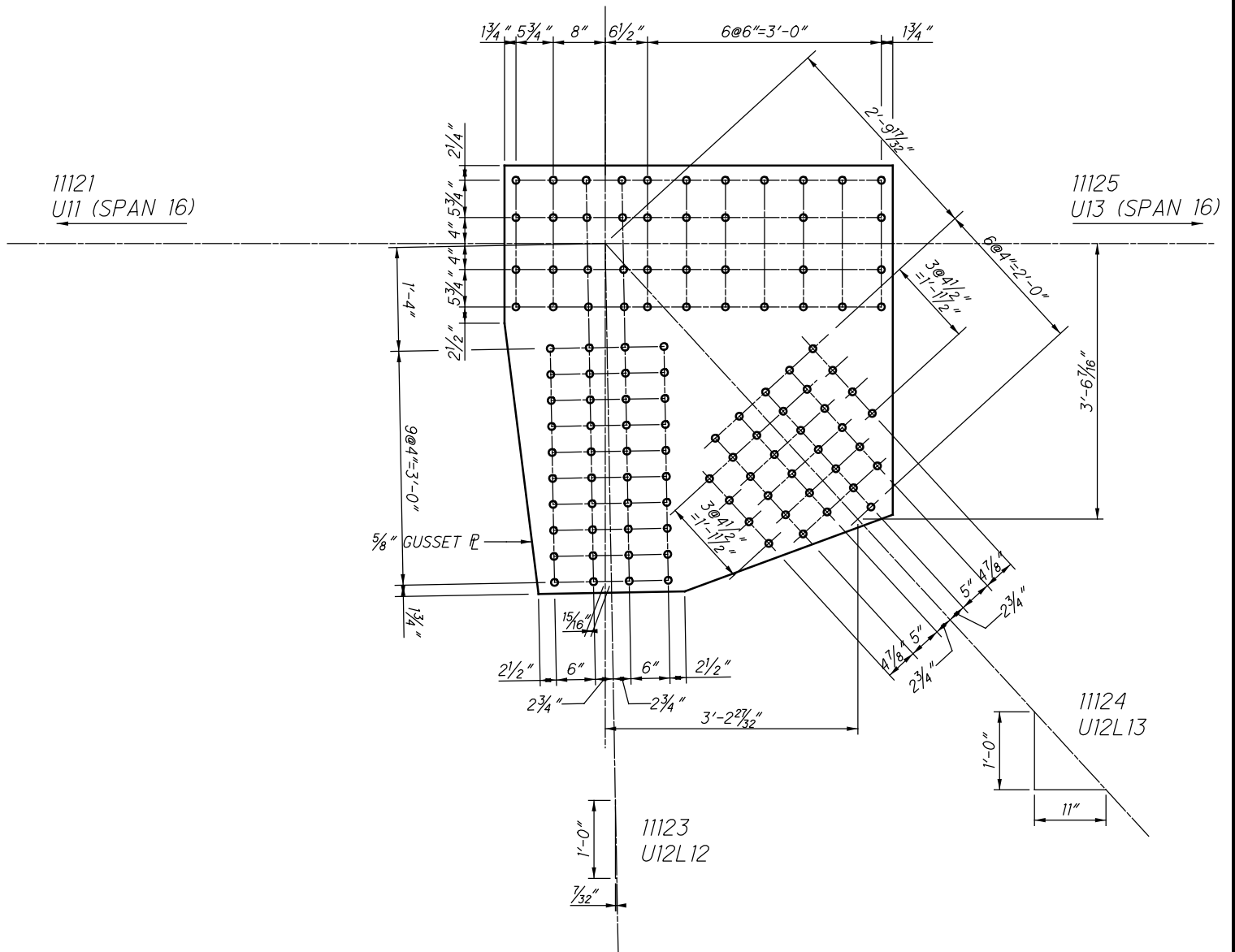
1115
U12U11



1113
U11L11

**U111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

1114
U11L12



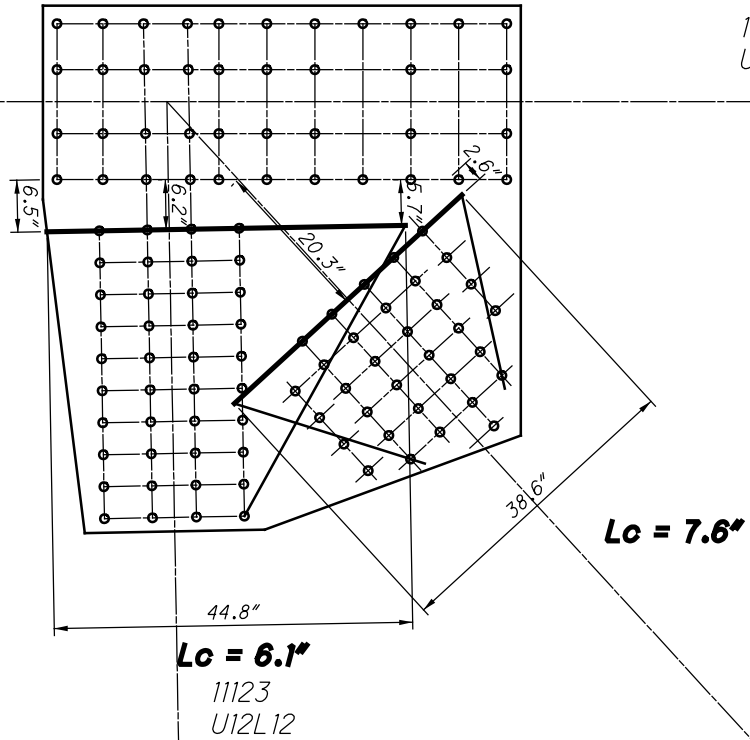
**U112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

CHORD IS CONTINUOUS

1112 AND 4112

11121
U11U12

11125
U13U12

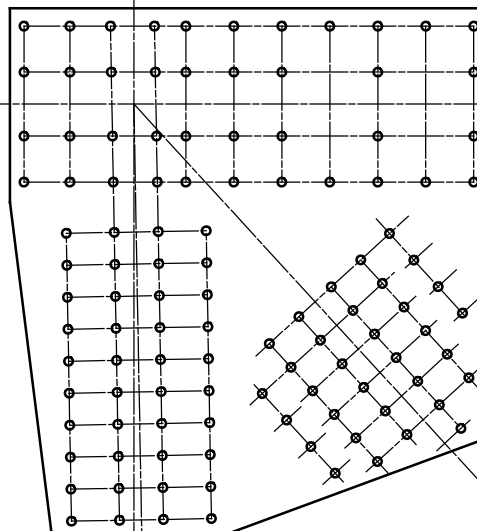


11124
U12L13

**U112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11121
U11U12

11125
U13U12



11124
U12L13

11123
U12L12

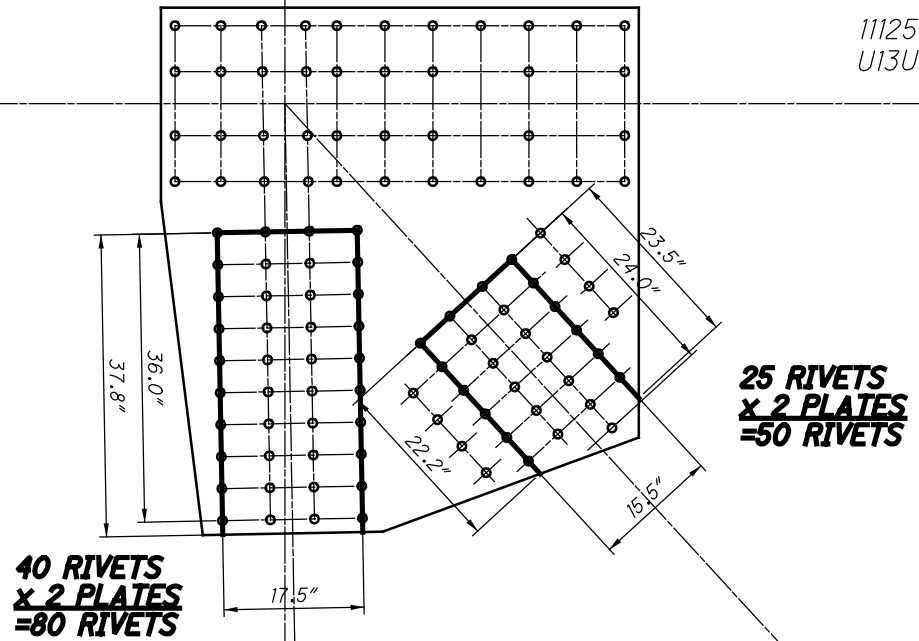
**U112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

1112 AND 4112

11121
U11U12

11125
U13U12



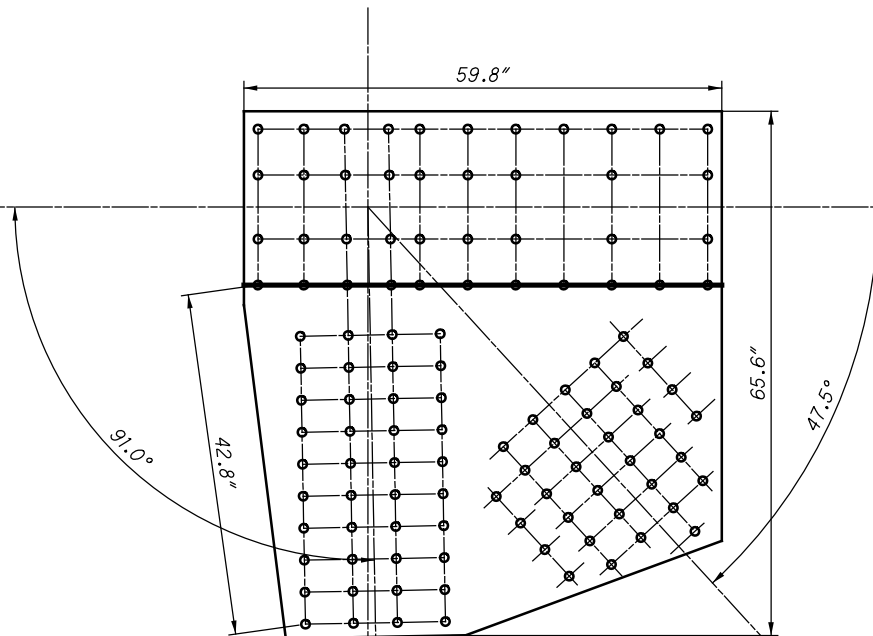
11123
U12L12

11124
U12L13

**U112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11121
U11U12

11125
U13U12



11123
U12L12

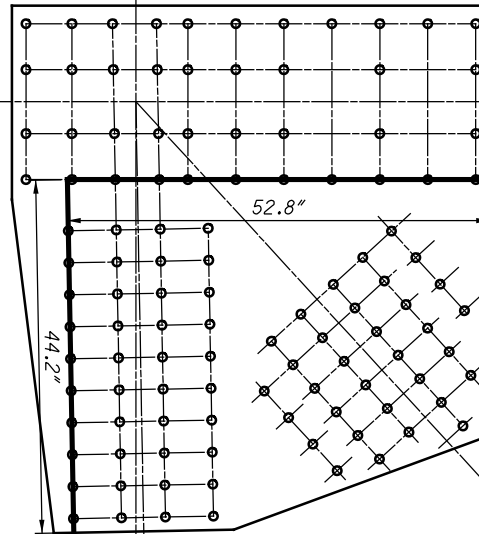
11124
U12L13

**U112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

1112 AND 4112

11121
U11U12

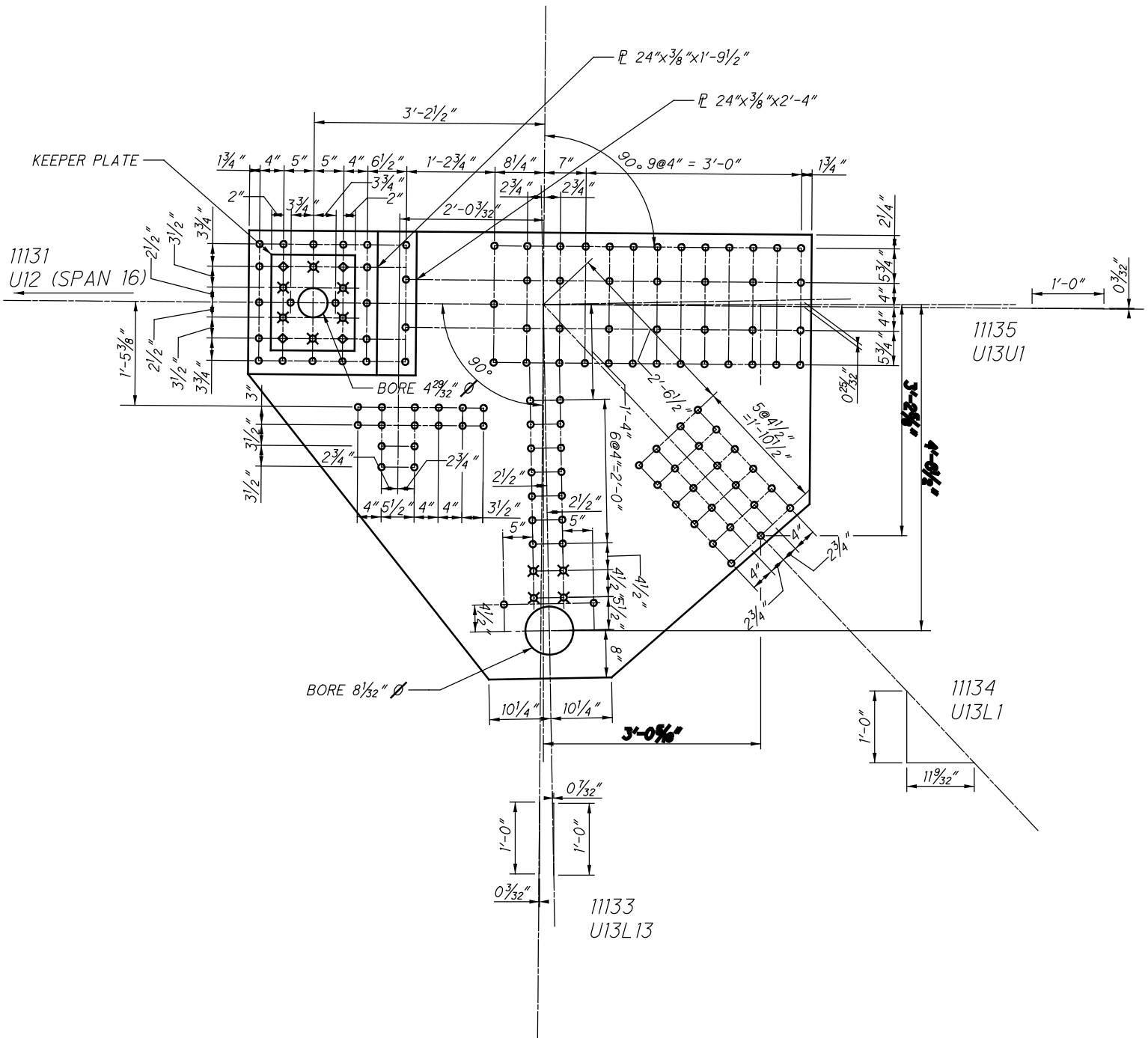
11125
U13U12



11123
U12L12

11124
U12L13

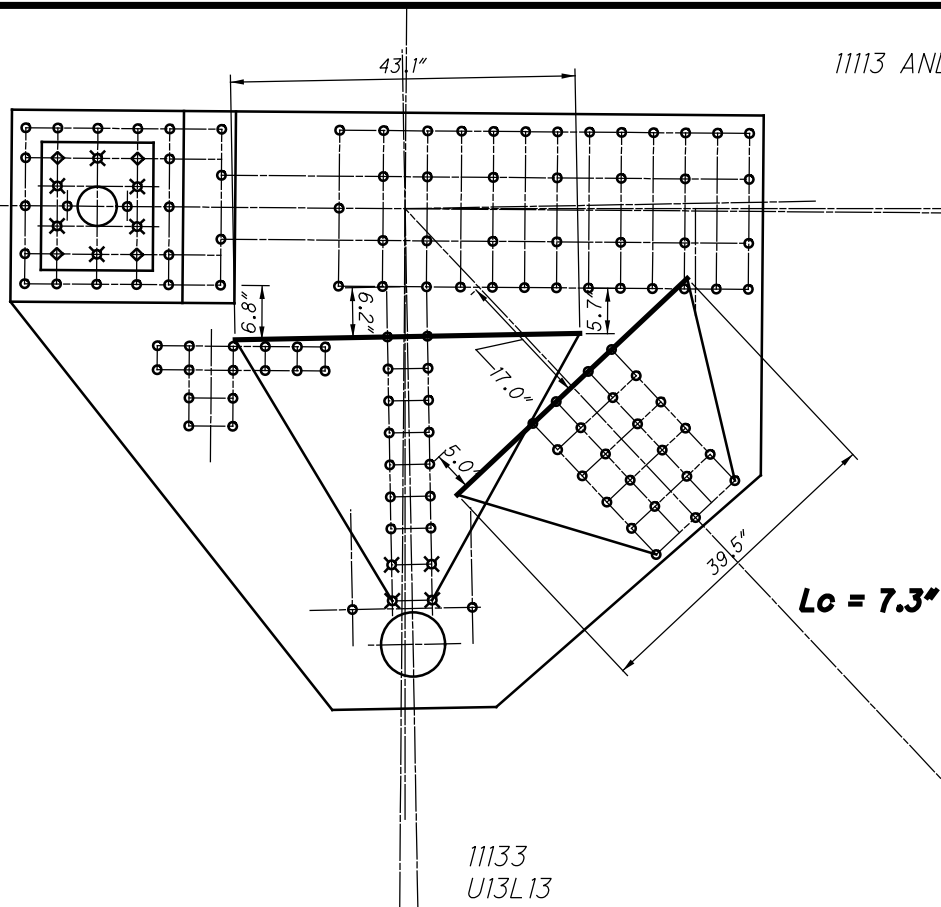
**U112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



11131
U12U13

11113 AND 41113

11135
U13U1

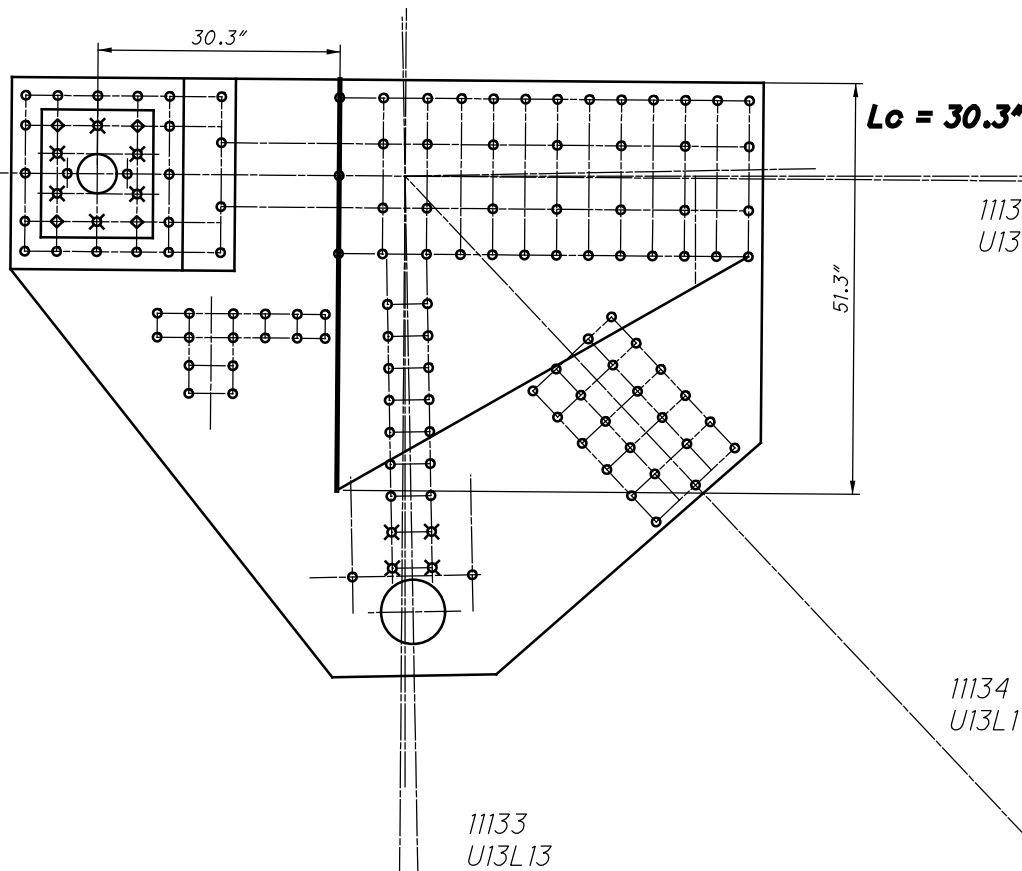


**U113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11131
U12U13

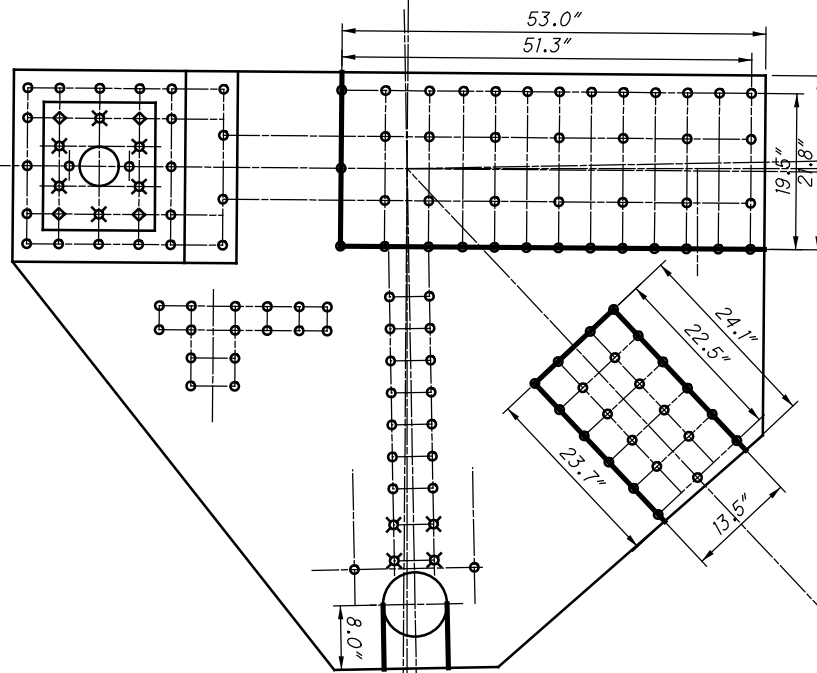
$L_c = 30.3"$

11135
U13U1



**U113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11131
U12U13



**41 RIVETS
x 2 PLATES
=82 RIVETS**

11135
U13U1

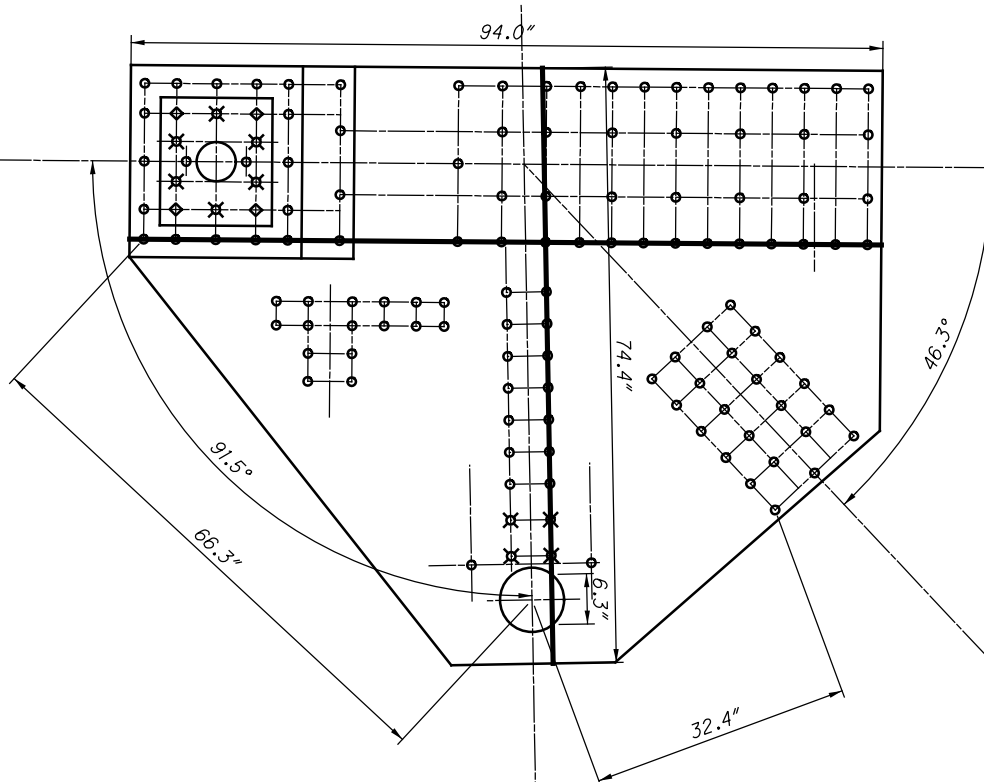
**23 RIVETS
x 2 PLATES
=46 RIVETS**

11134
U13L1

11133
U13L13

**U113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11131
U12U13



11135
U13U1

11134
U13L1

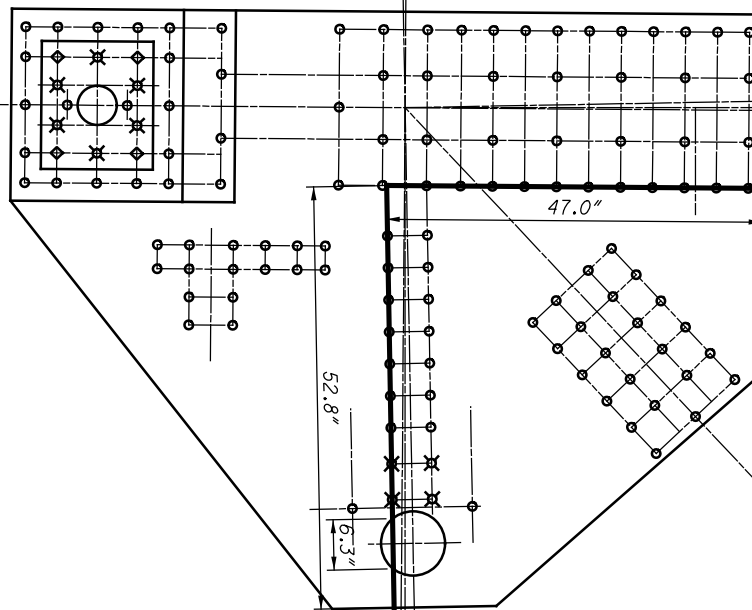
11133
U13L13

**U113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

11131
U12U13

11113 AND 41113

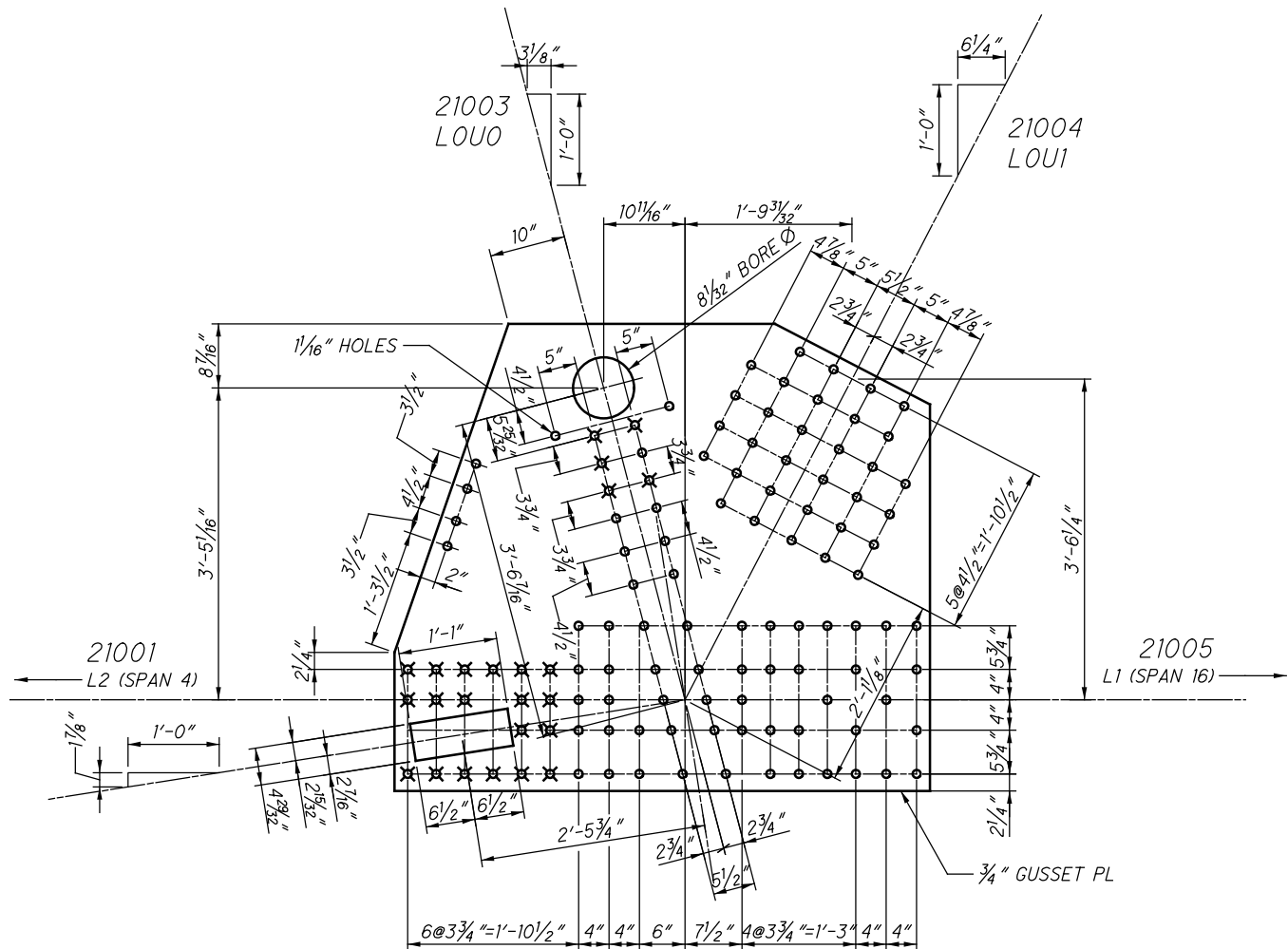
11135
U13U1



11134
U13L1

11133
U13L13

**U113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**L100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21003
LOU0

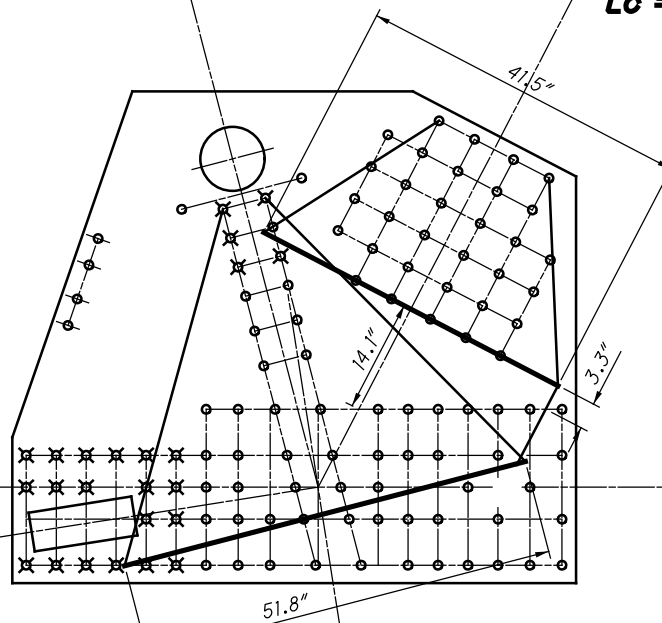
21004
LOU1

12100 AND 42100

$L_c = 5.8"$

21001
L2LO

21005
LOL1



**L100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21003
LOU0

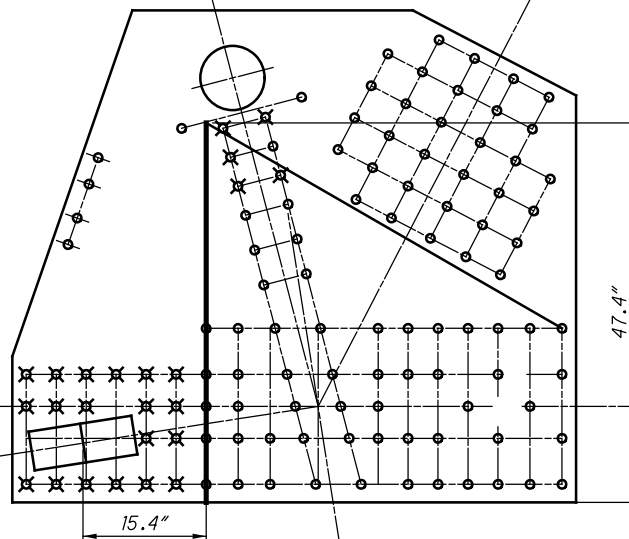
21004
LOU1

12100 AND 42100

$L_c = 15.4"$

21001
L2LO

21005
LOL1



**L100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21003
LOU0

12100 AND 42100

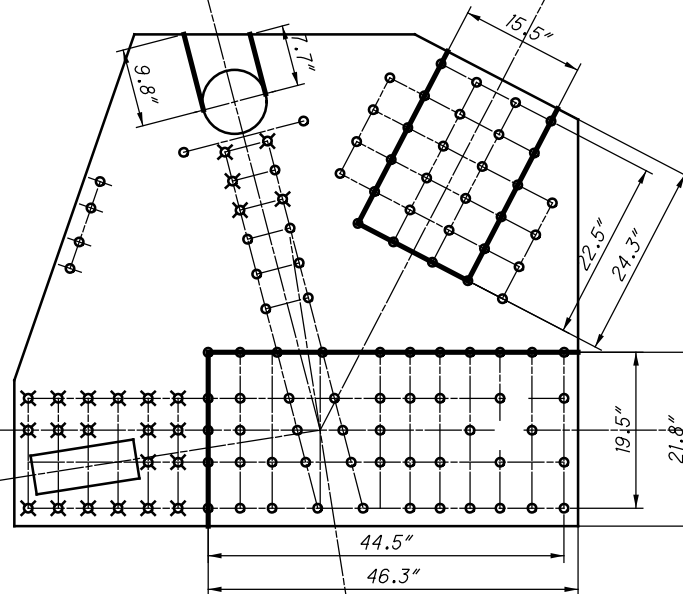
21004
LOU1

**24 RIVETS
x 2 PLATES
=48 RIVETS**

21001
L2LO

21005
LOL1

**48 RIVETS
x 2 PLATES
=96 RIVETS**



**L100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

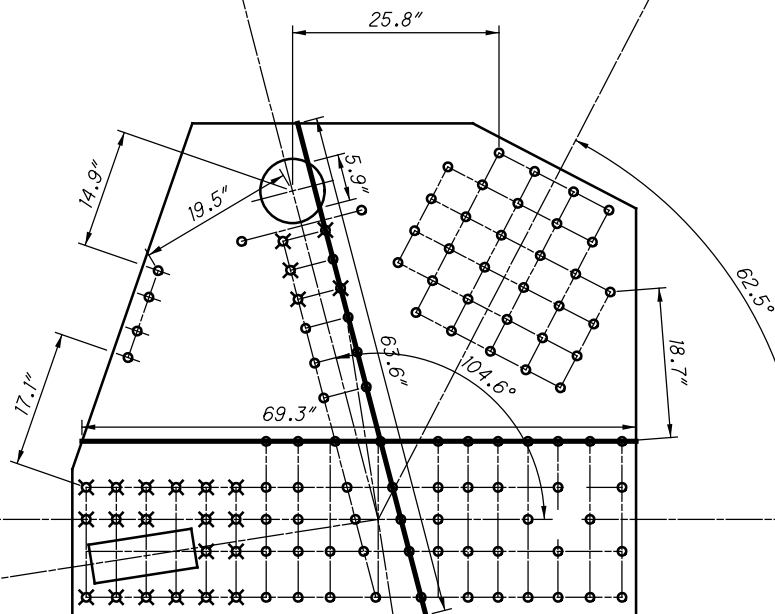
21003
LOU0

12100 AND 42100

21004
LOU1

21001
L2LO

21005
LOL1



**L100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

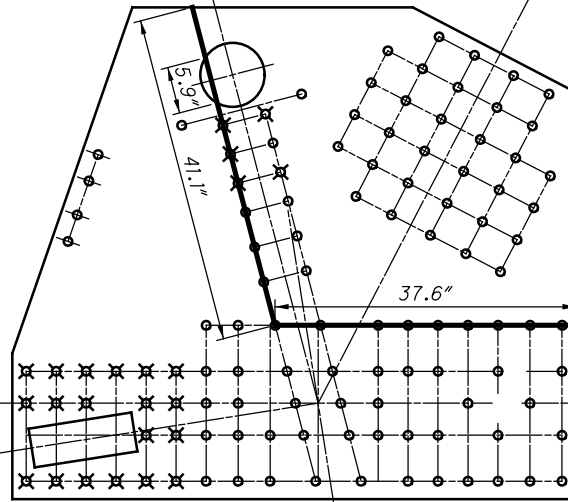
21003
LOU0

21004
LOU1

12100 AND 42100

21001
L2LO

21005
LOL1



**L100 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

21013
L1U1

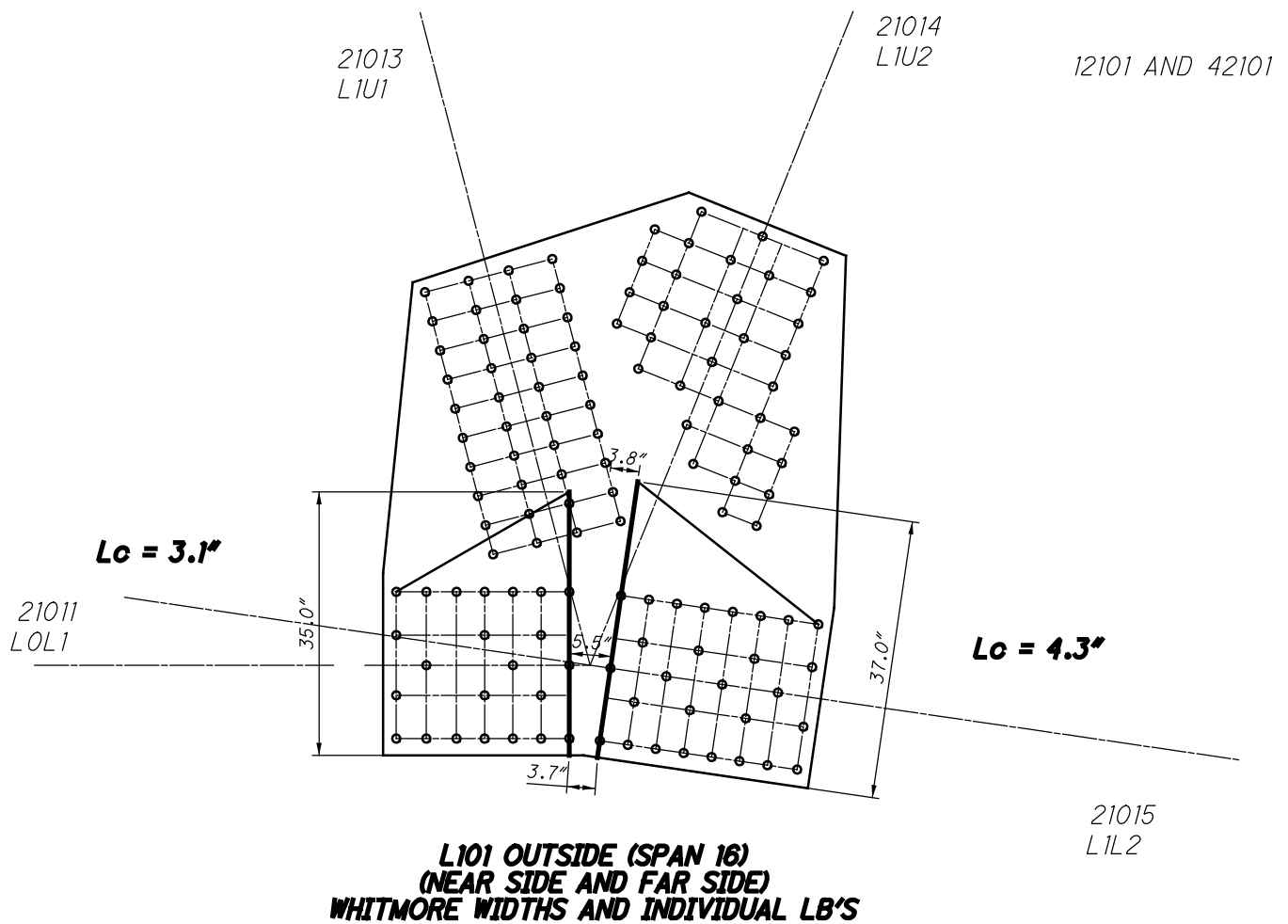
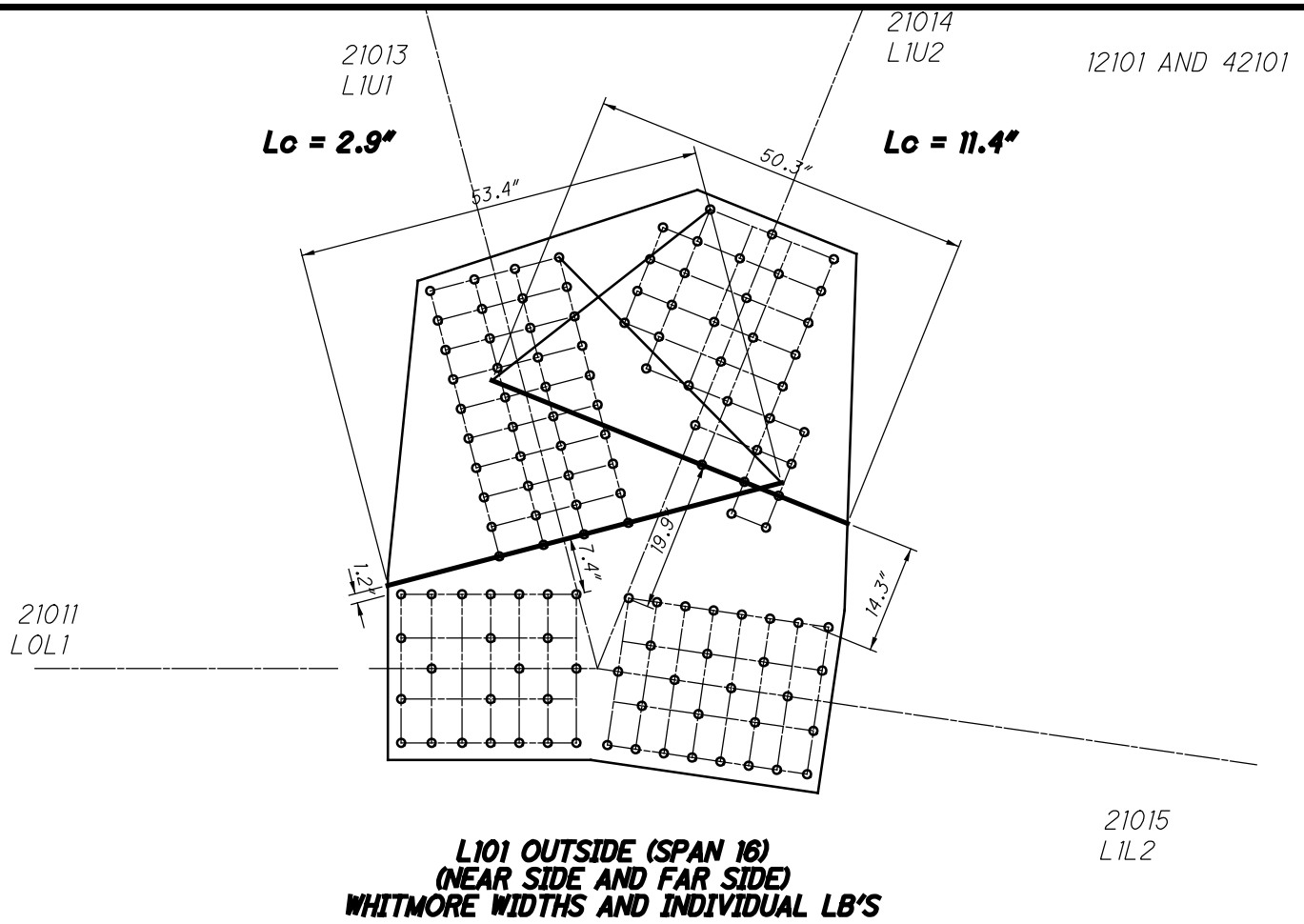
21014
L1U2

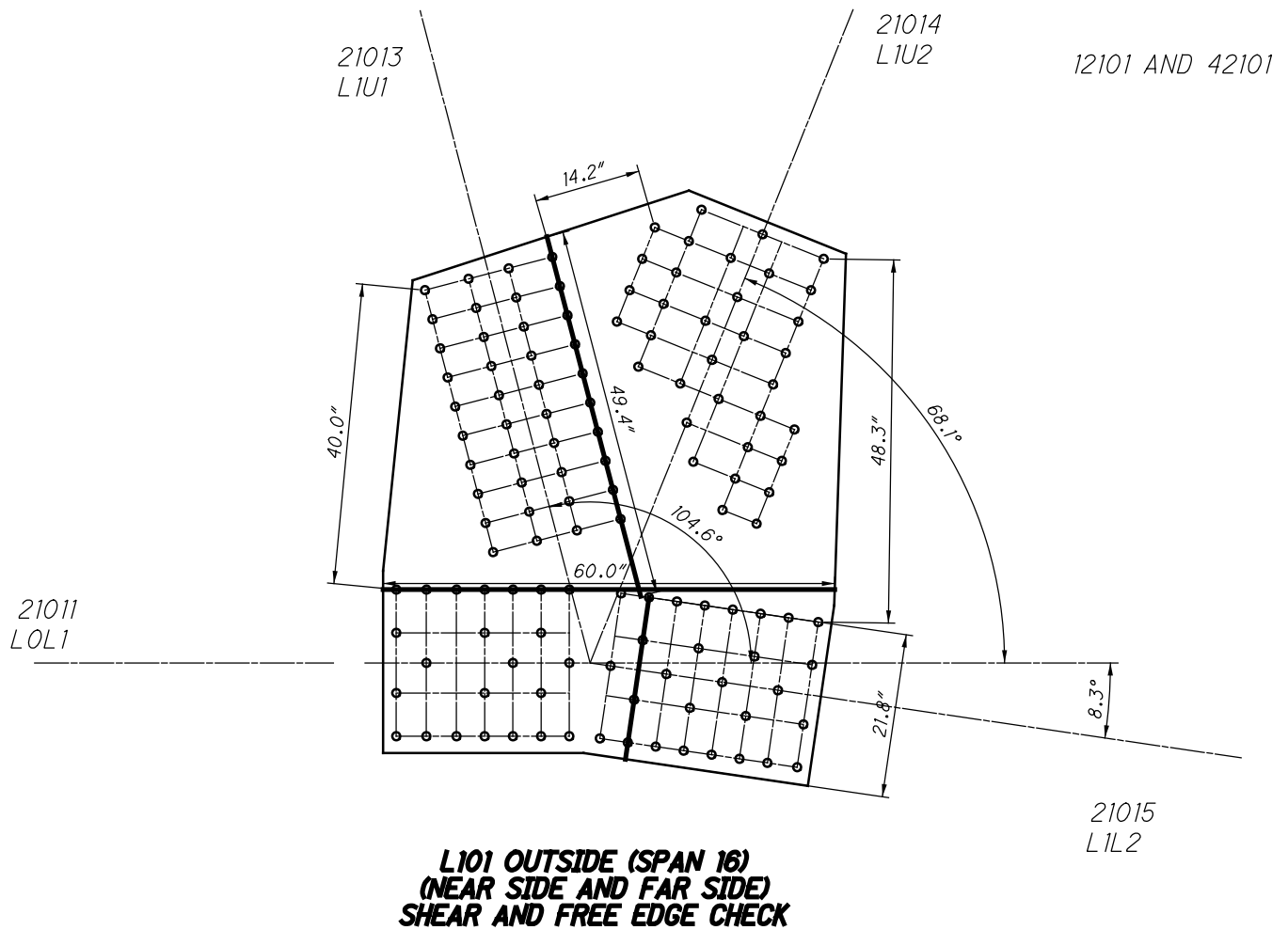
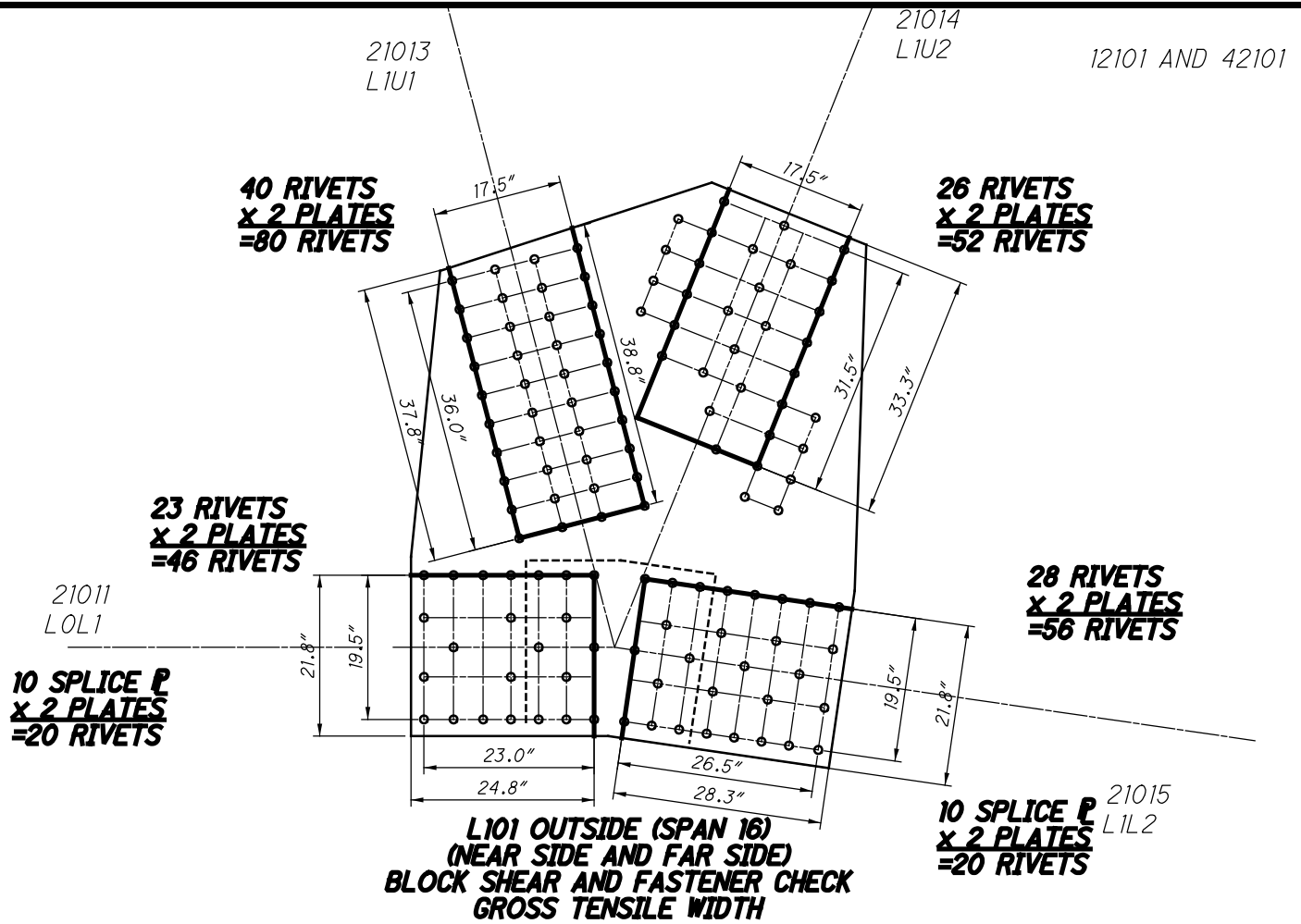
21011
-LO (SPAN 16)

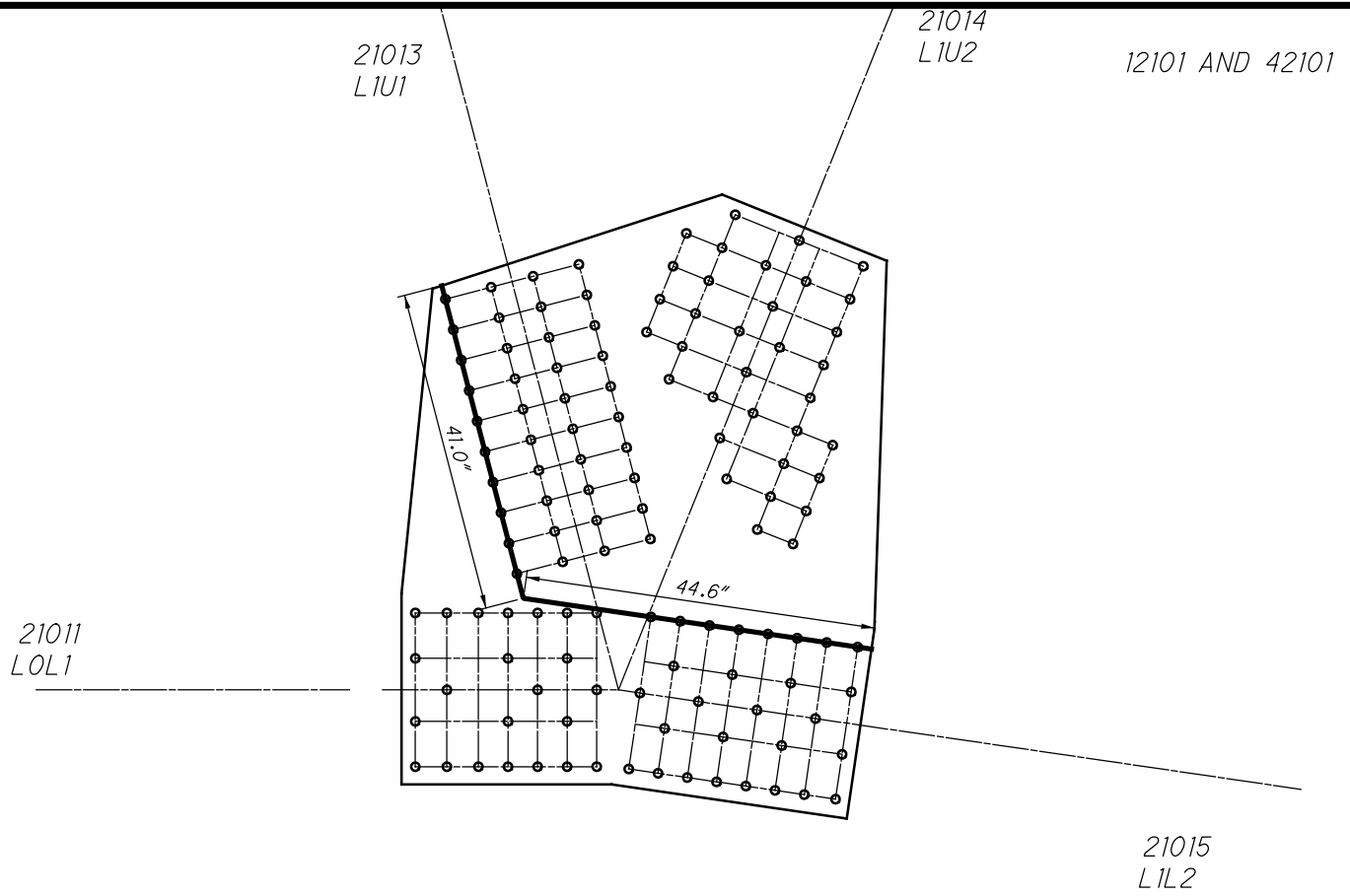
L2 (SPAN 16) -
21015

SPLICE PLATE 24"X $\frac{3}{8}$ " X2'-11 $\frac{7}{16}$ " -

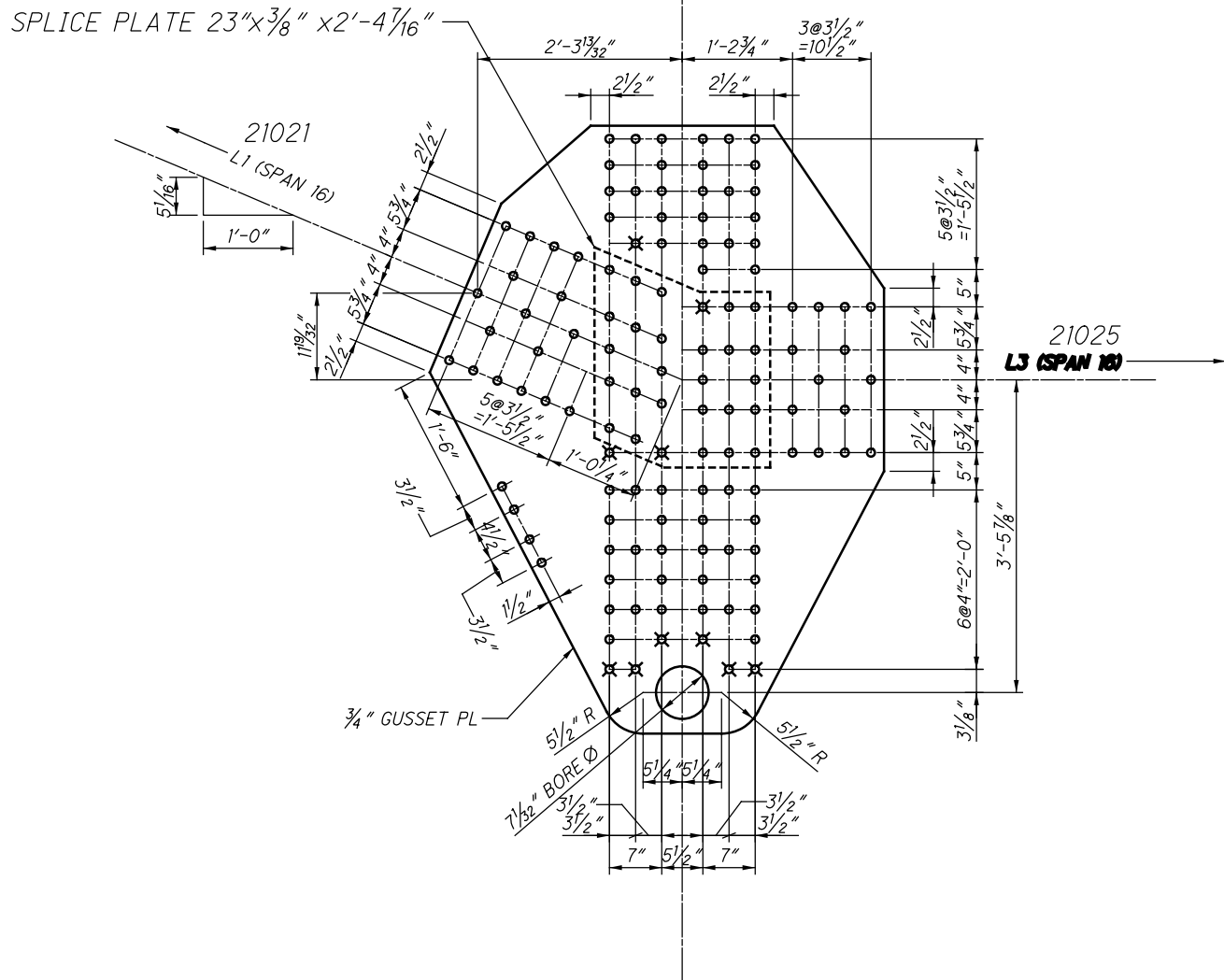
**L101 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**







**L101 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



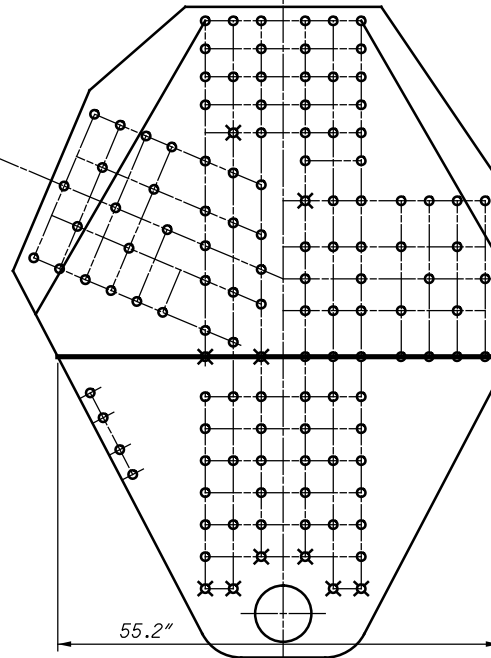
**L102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21023
U2L2

12102 AND 42102

21021
L1L2

21025
L2L3



**L102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

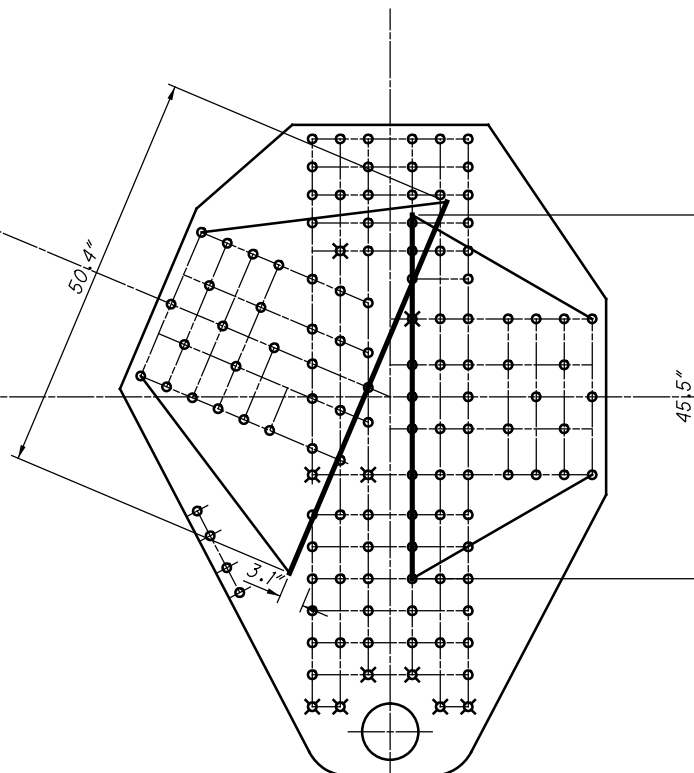
21023
U2L2

12102 AND 42102

21021
L1L2

21025
L2L3

$L_c = 1.0"$

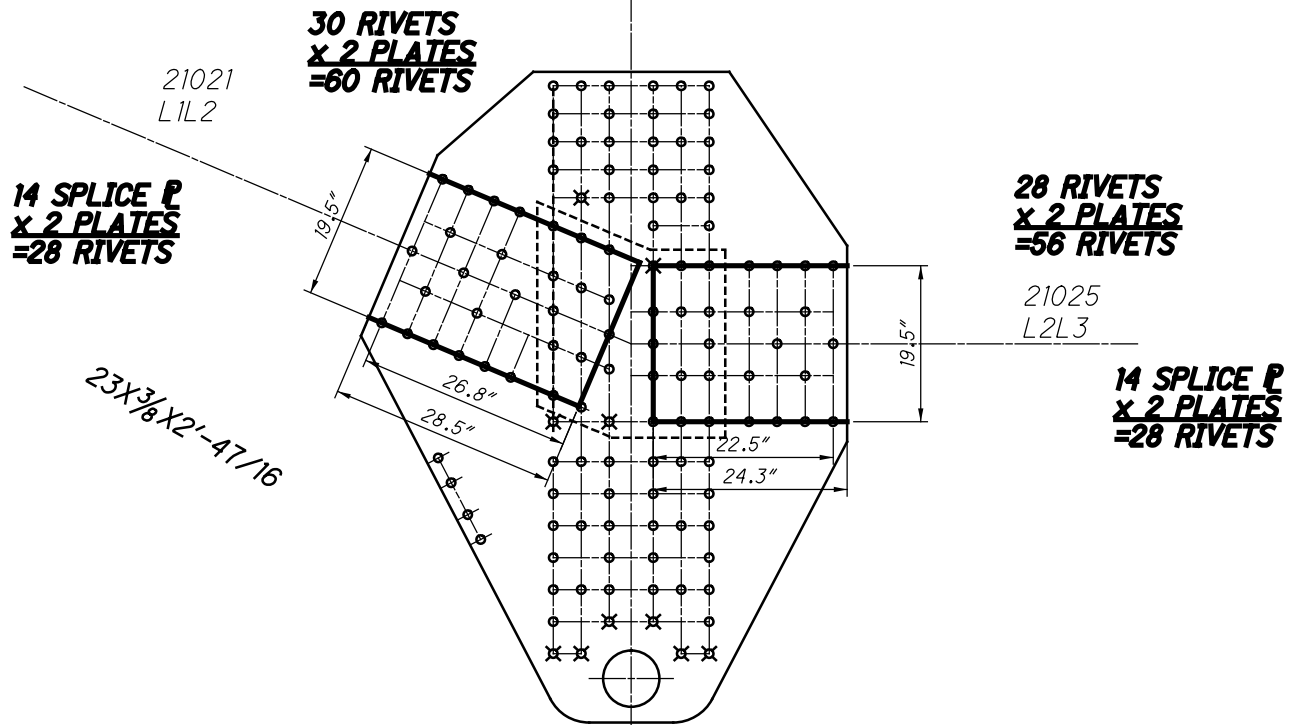


$L_c = 0"$

**L102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21023
U2L2

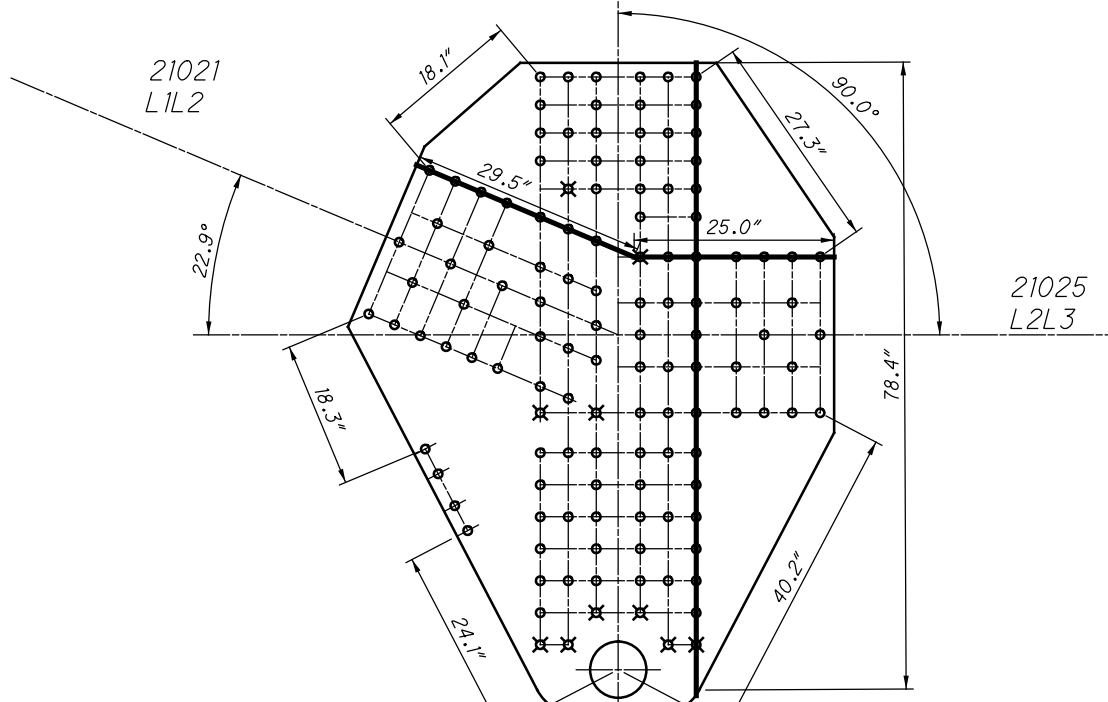
12102 AND 42102



**L102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21023
U2L2

12102 AND 42102



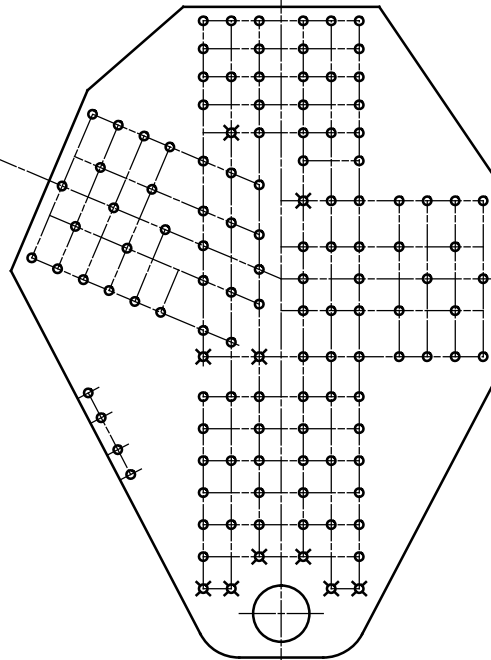
**L102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

21023
U2L2

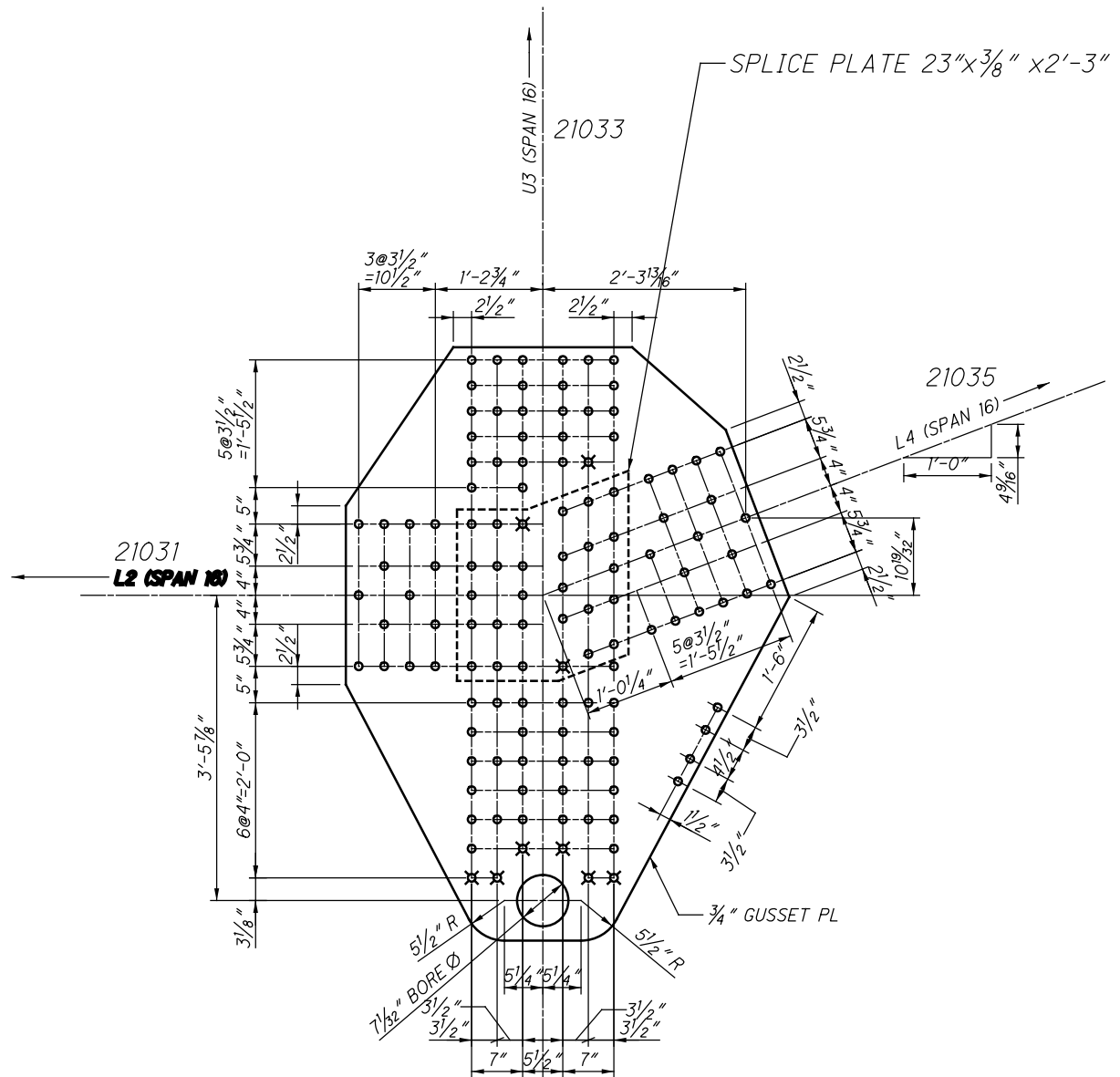
12102 AND 42102

21021
L1L2

21025
L2L3



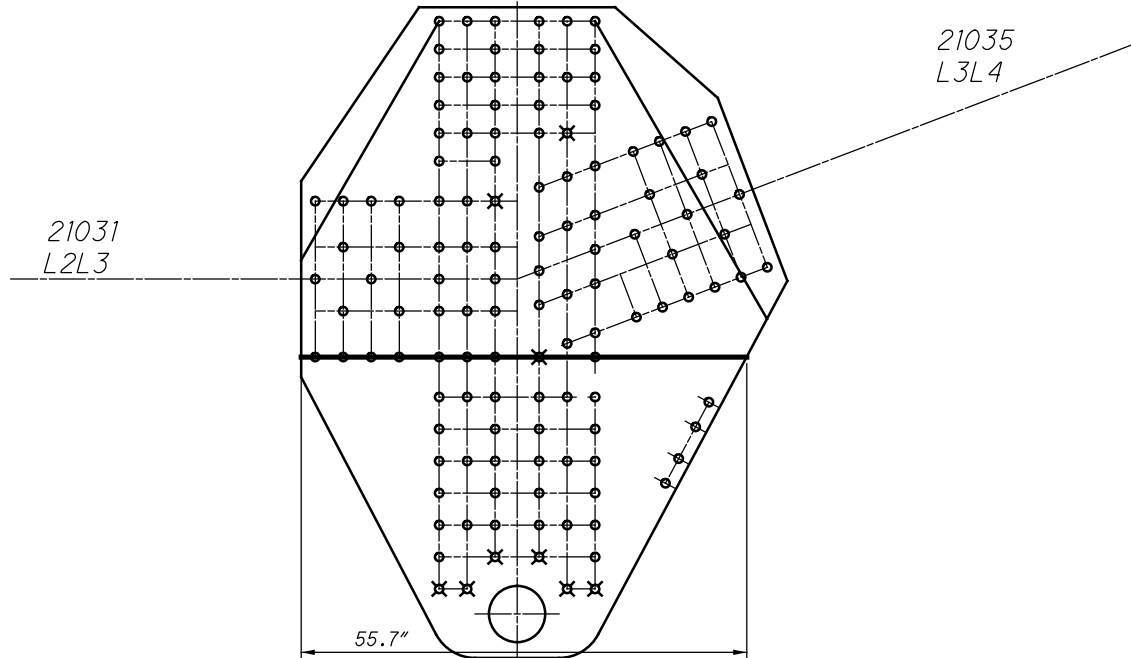
**L102 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**L103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21033
U3L3

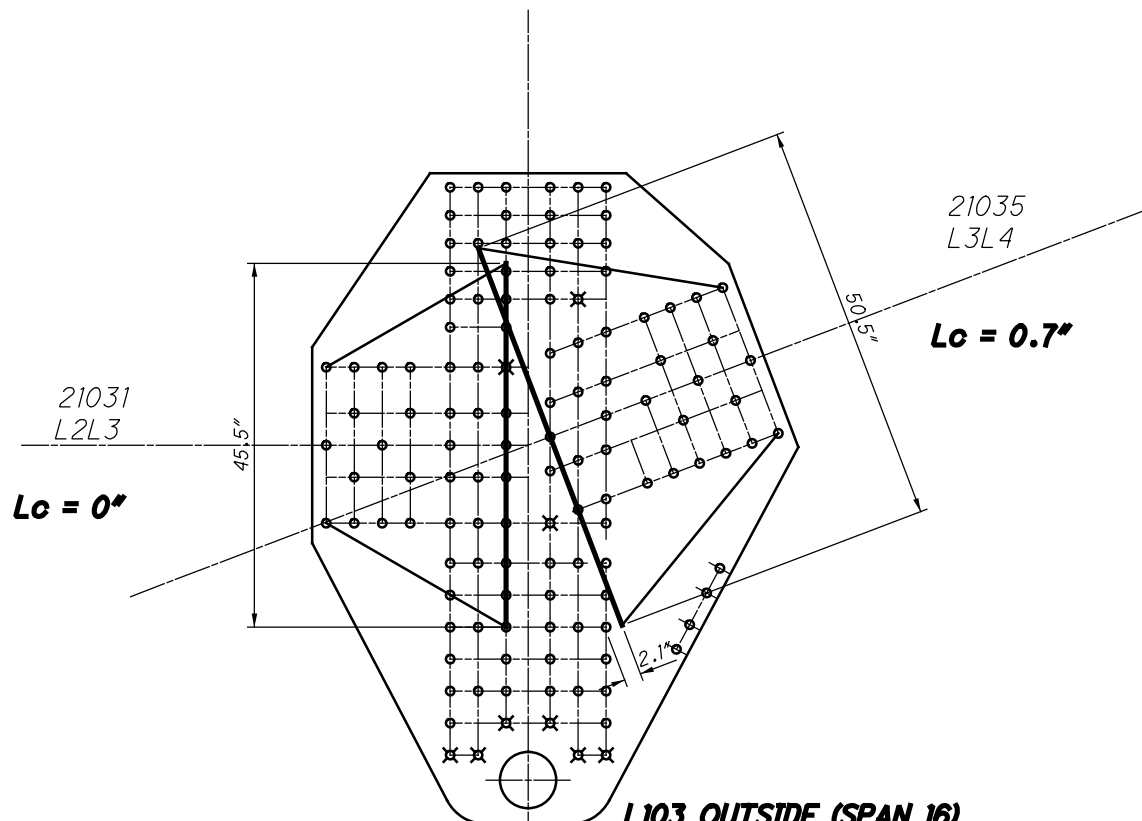
12103 AND 42103



**L103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21033
U3L3

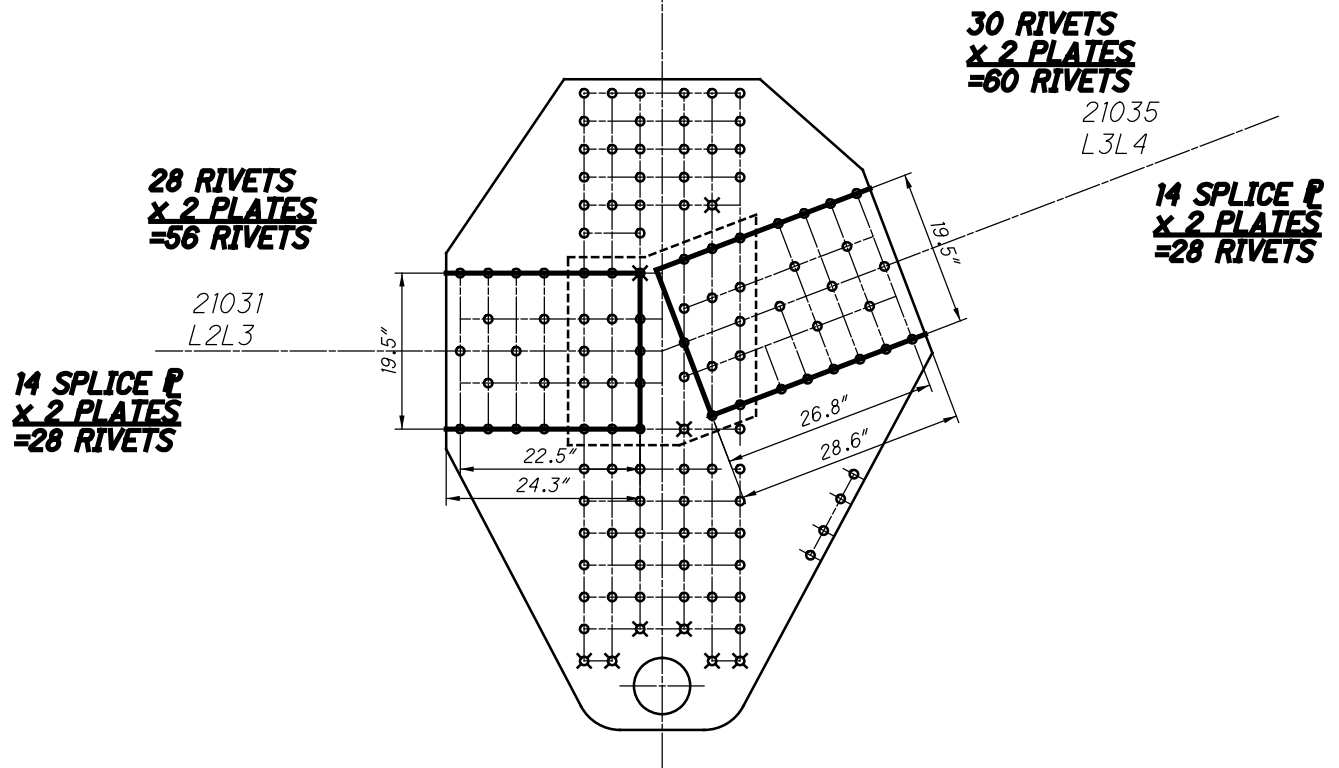
12103 AND 42103



**L103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

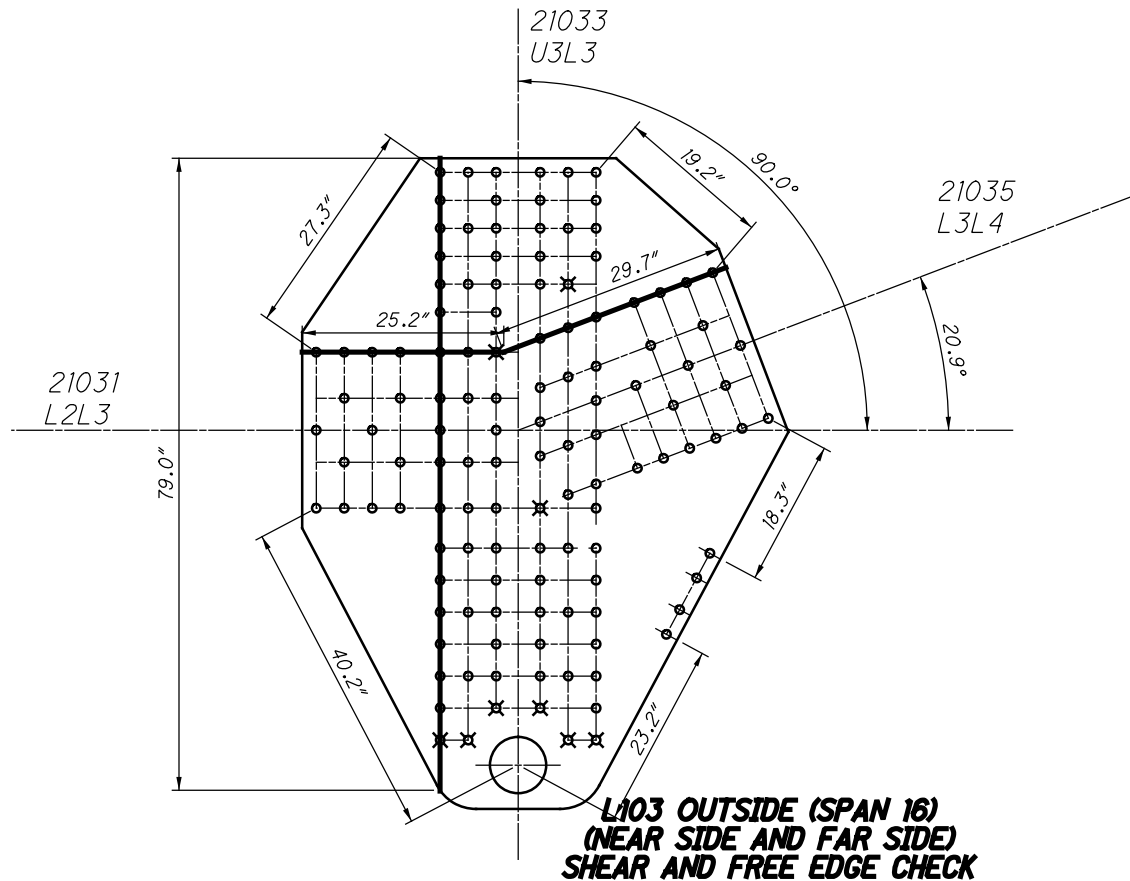
21033
U3L3

12103 AND 42103



**L103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

12103 AND 42103



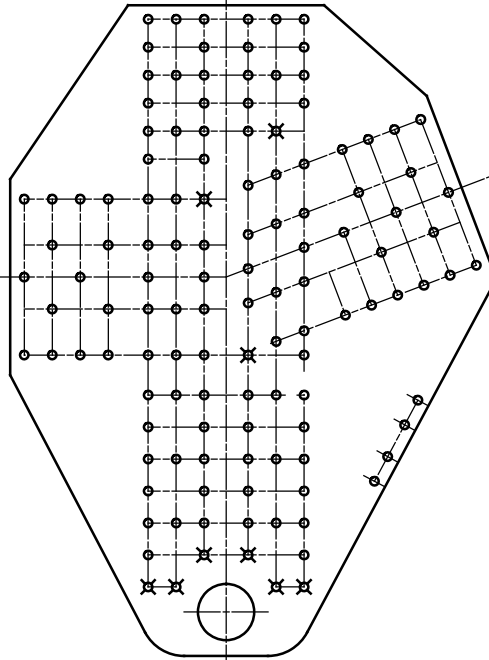
**L103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

21033
U3L3

12103 AND 42103

21031
L2L3

21035
L3L4



**L103 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

21042
L4U3

21043
L4U4

21043
L4U4

—5/8" GUSSET PL

21045
L5 (SPAN 16)

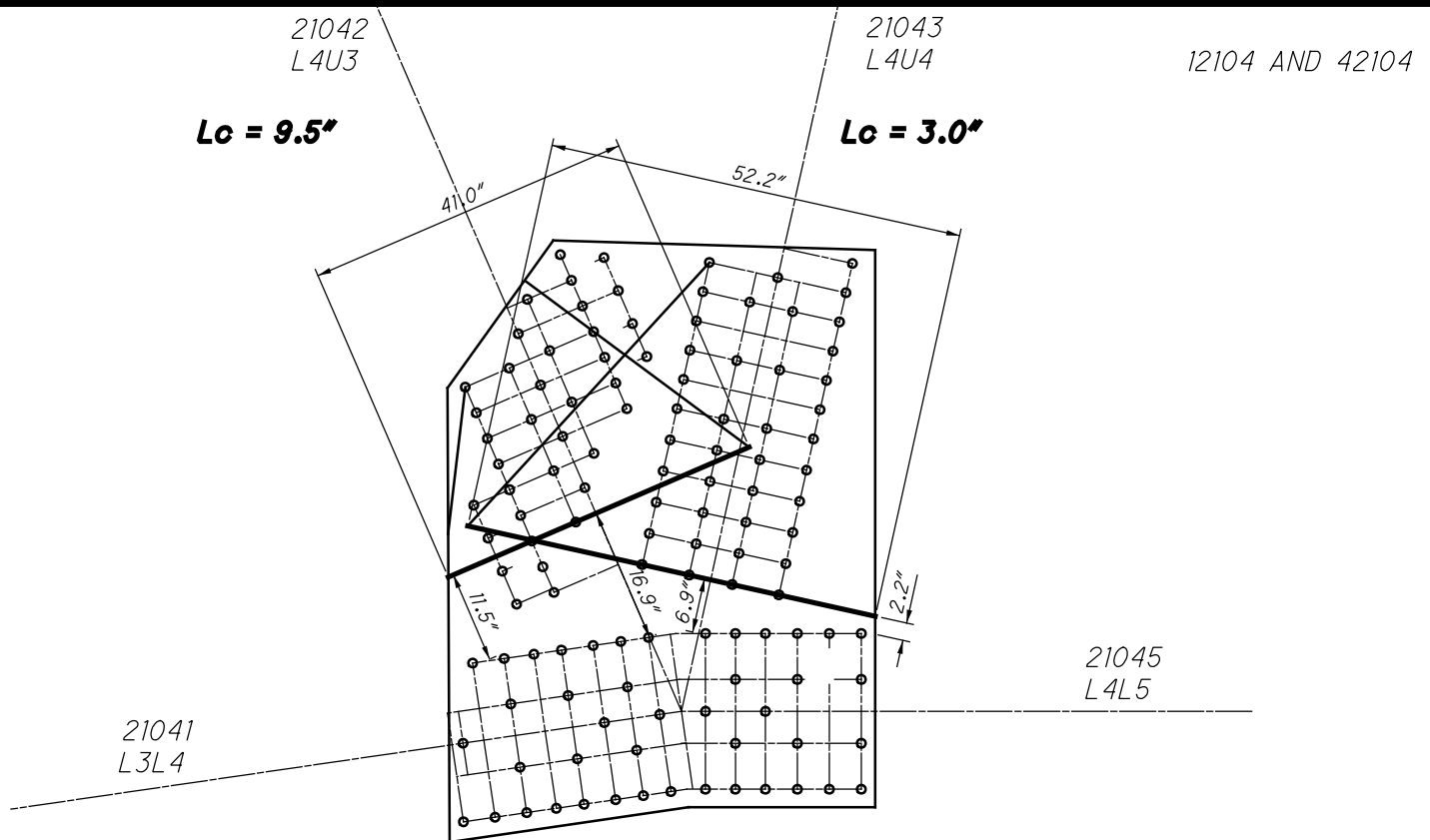
L5 (SPAN 16)

21041
-L3 (SPAN 16)

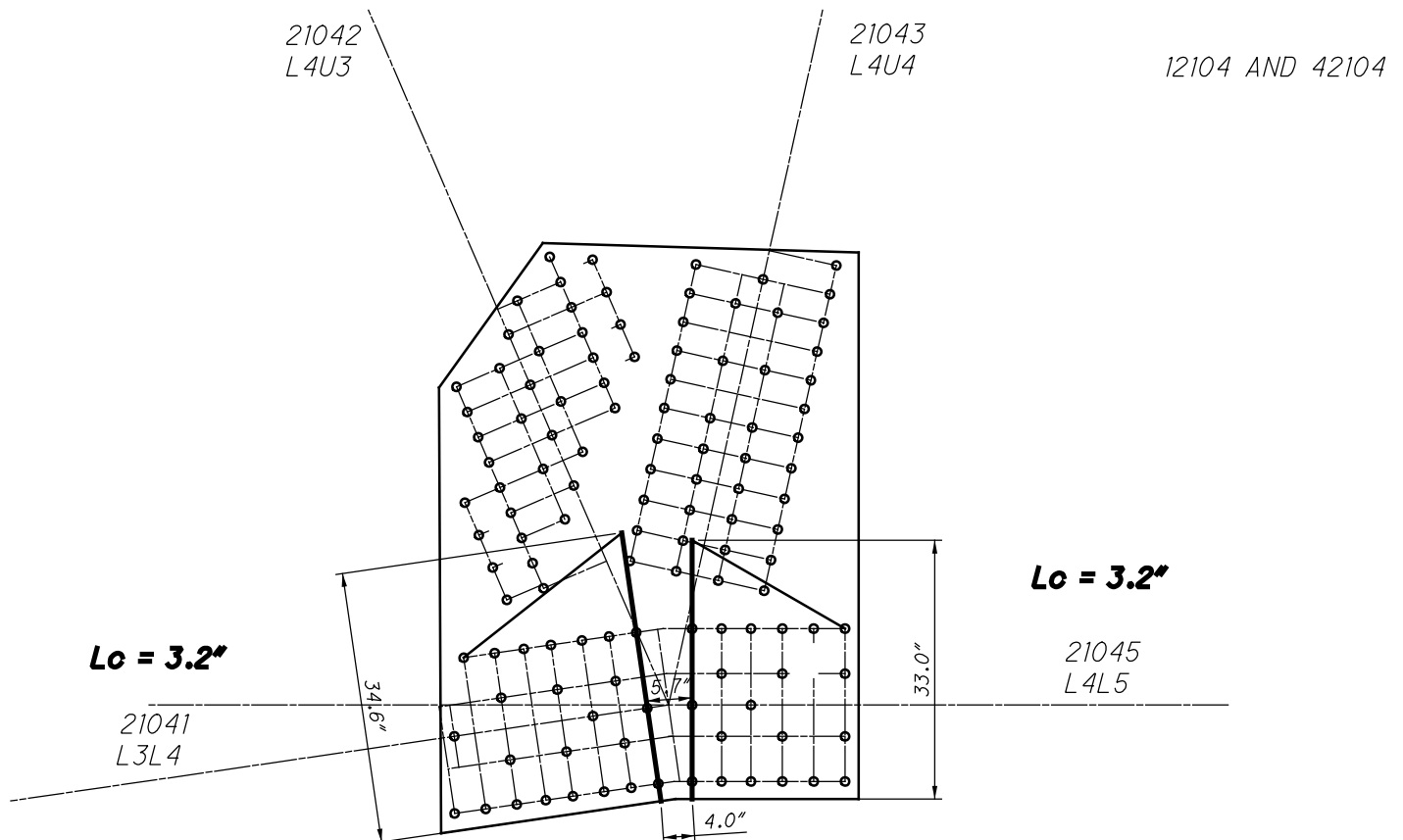
21041
-L3 (SPAN 16)

— SPLICE PLATE $23\frac{1}{4}" \times \frac{3}{8}" \times 2'-1\frac{1}{4}"$

**L104 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**L104 OUTSIDE - SPAN 3
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L104 OUTSIDE - SPAN 3
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21042
L4U3

21043
L4U4

12104 AND 42104

**28 RIVETS
x 2 PLATES
=56 RIVETS**

**40 RIVETS
x 2 PLATES
=80 RIVETS**

**20 RIVETS
x 2 PLATES
=40 RIVETS**

**24 RIVETS
x 2 PLATES
=48 RIVETS**

21041
L3L4

21045
L4L5

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

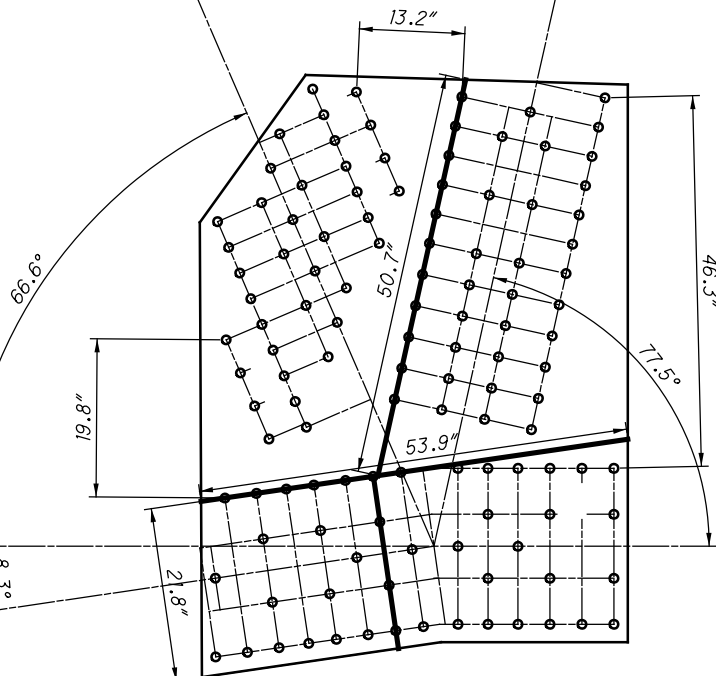
**10 SPLICE P
x 2 PLATES
=20 RIVETS**

**L104 OUTSIDE - SPAN 3
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21042
L4U3

21043
L4U4

12104 AND 42104

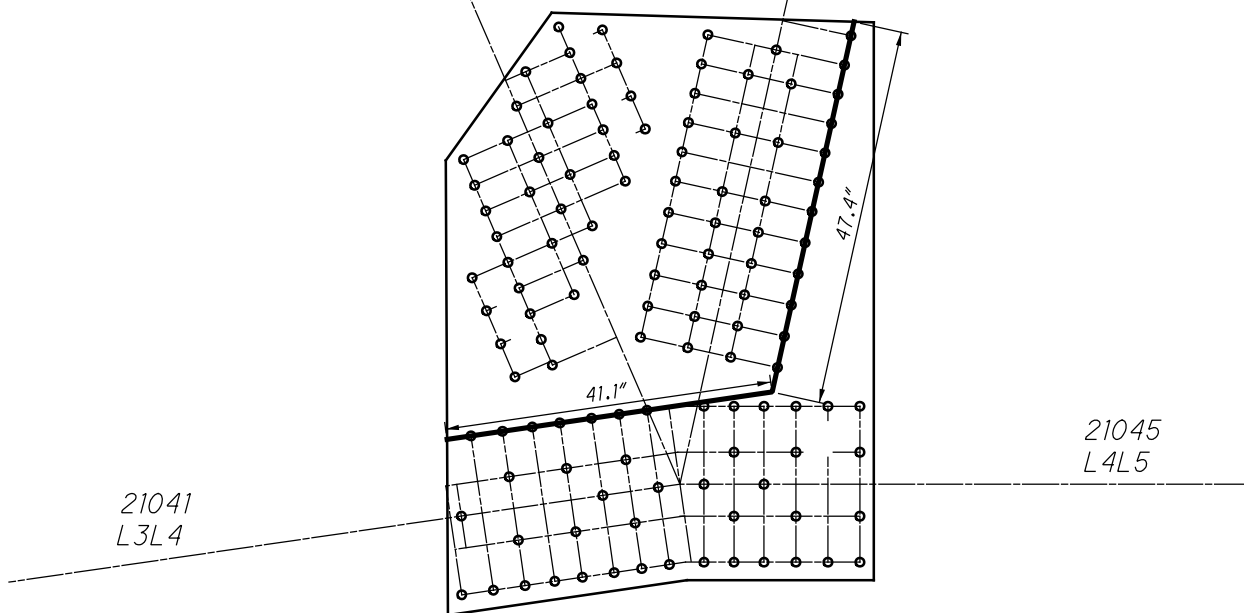


**L104 OUTSIDE - SPAN 3
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

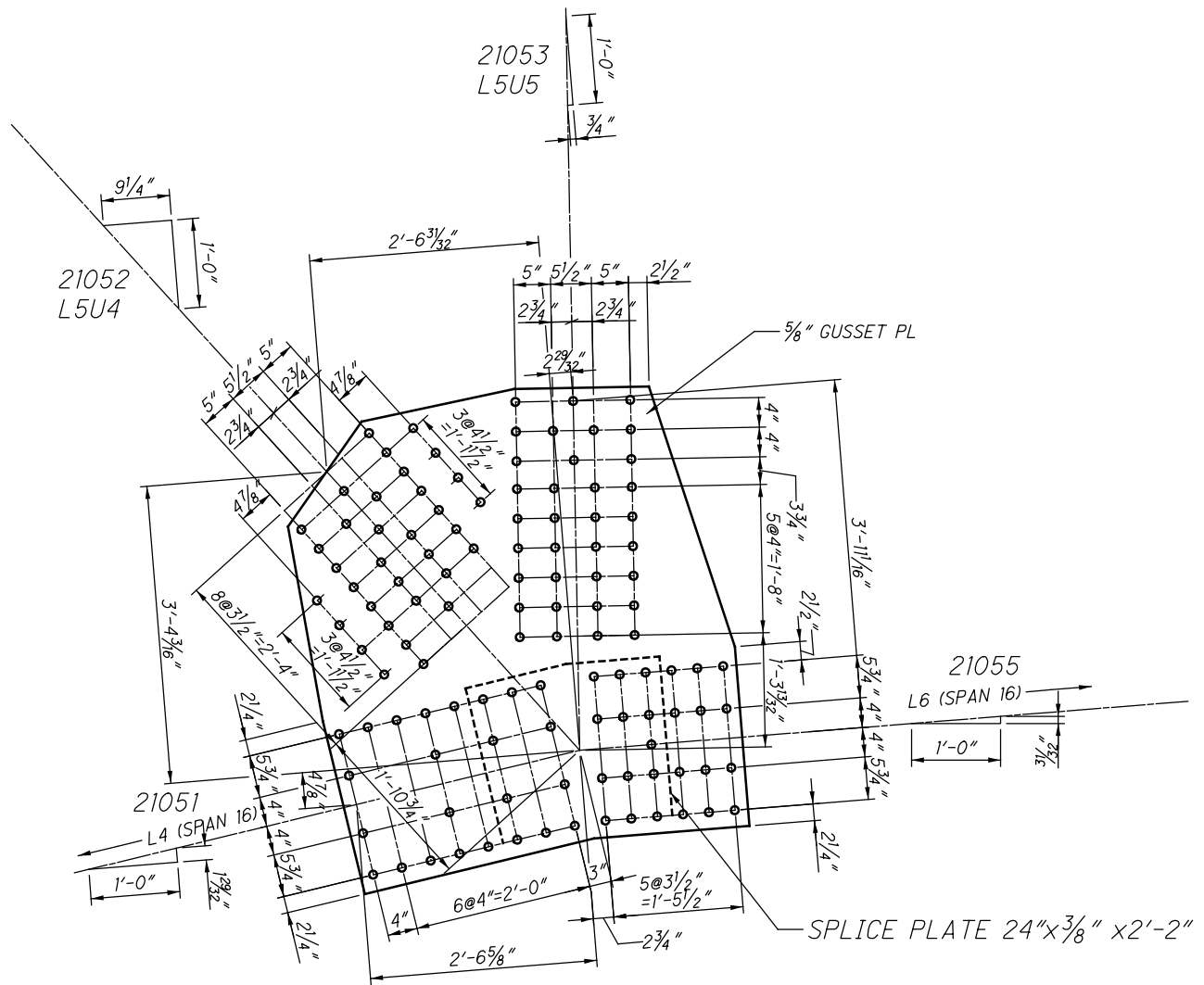
21042
L4U3

21043
L4U4

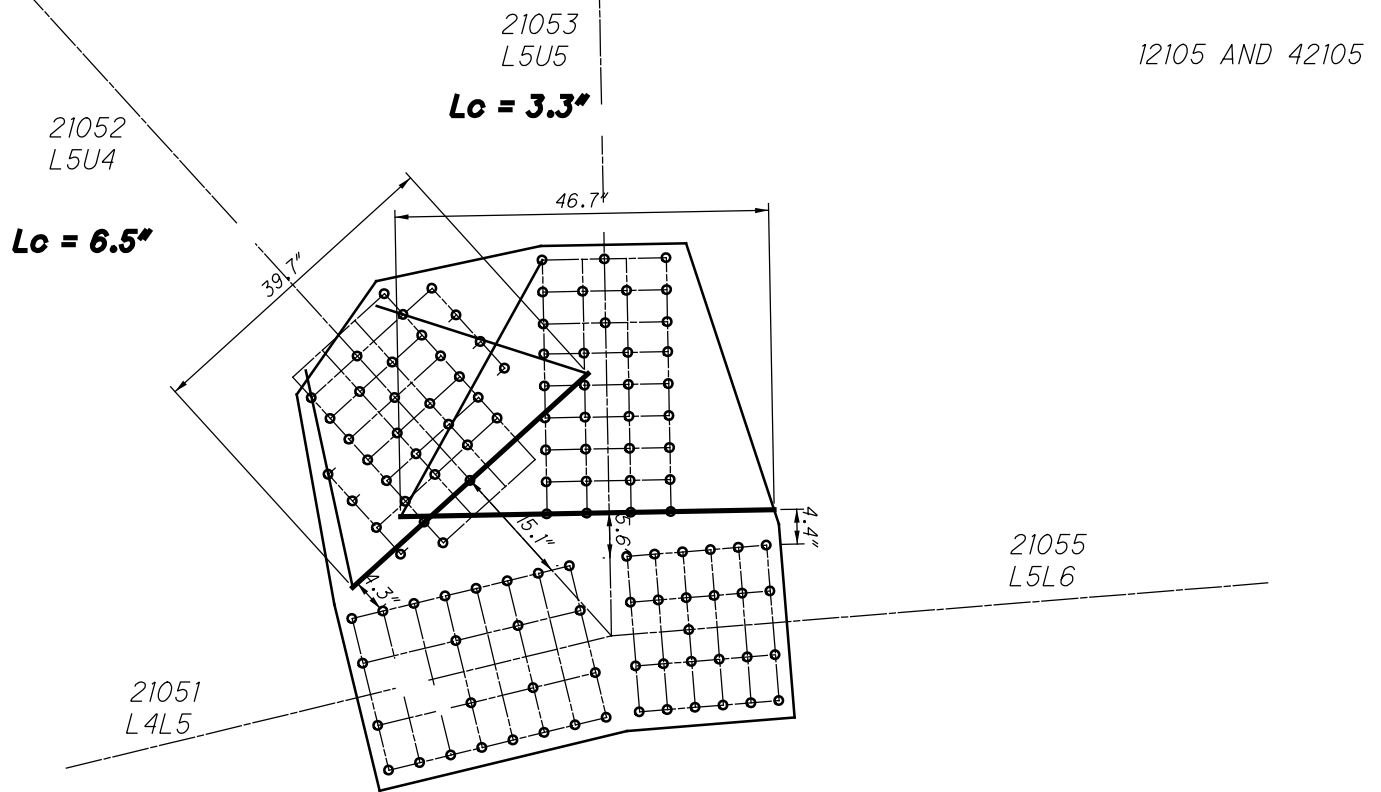
12104 AND 42104



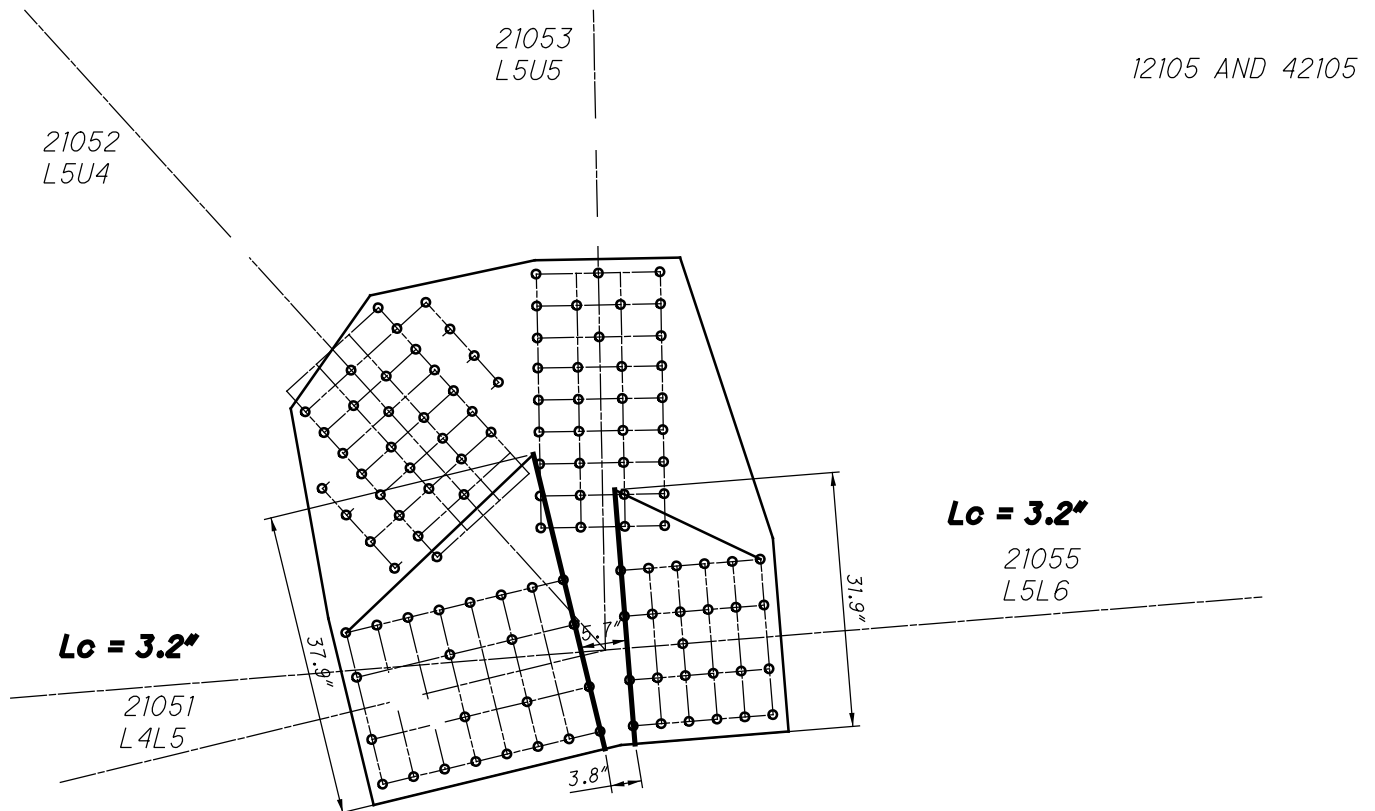
**L104 OUTSIDE - SPAN 3
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**L105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**L105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21053
L5U5

12105 AND 42105

21052
L5U4

**34 RIVETS
x 2 PLATES
=68 RIVETS**

**26 RIVETS
x 2 PLATES
=52 RIVETS**

**25 RIVETS
x 2 PLATES
=50 RIVETS**

**24 RIVETS
x 2 PLATES
=48 RIVETS**

21055
L5L6

**13 SPLICE P
x 2 PLATES
=26 RIVETS**

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

**L105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21053
L5U5

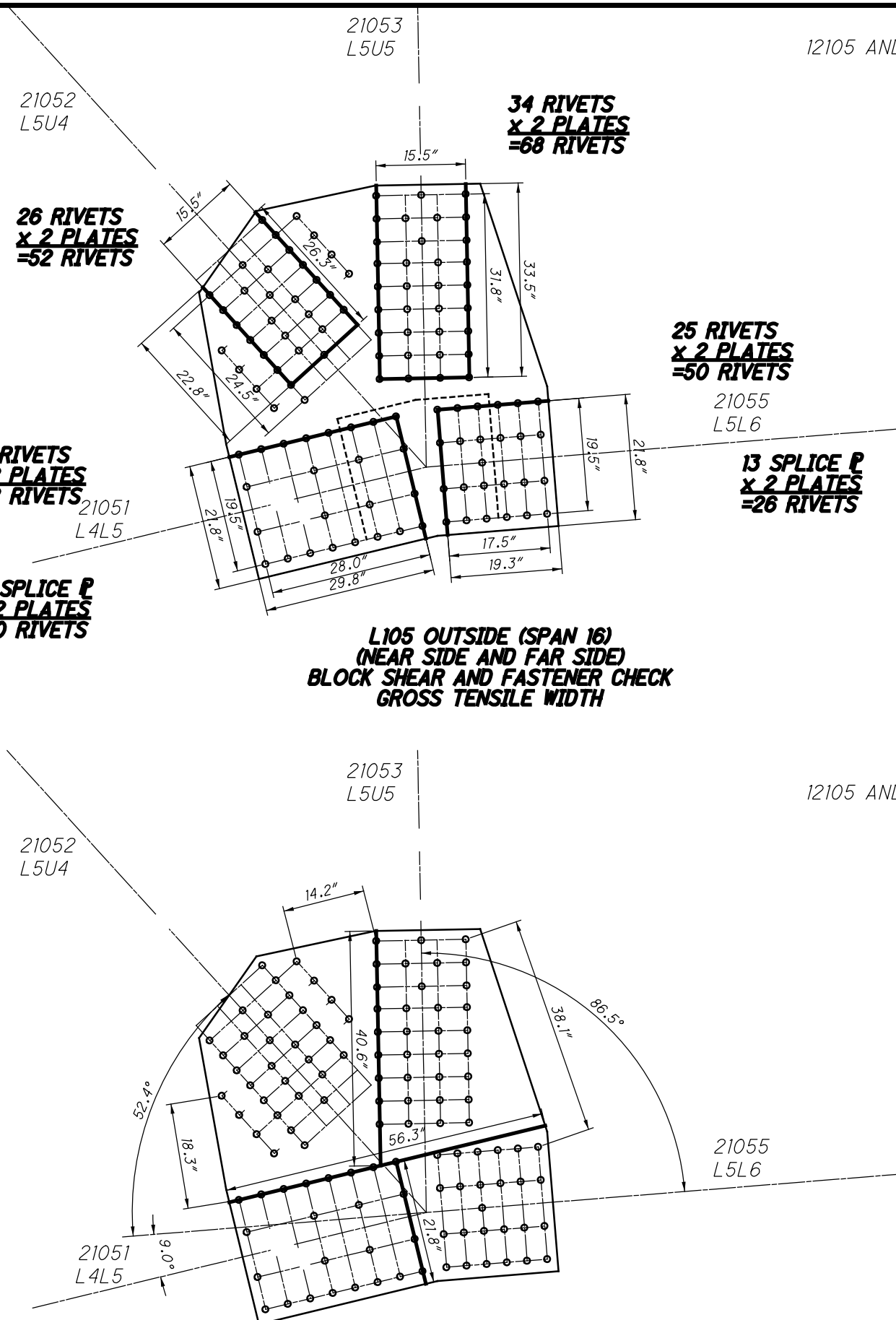
12105 AND 42105

21052
L5U4

21055
L5L6

21051
L4L5

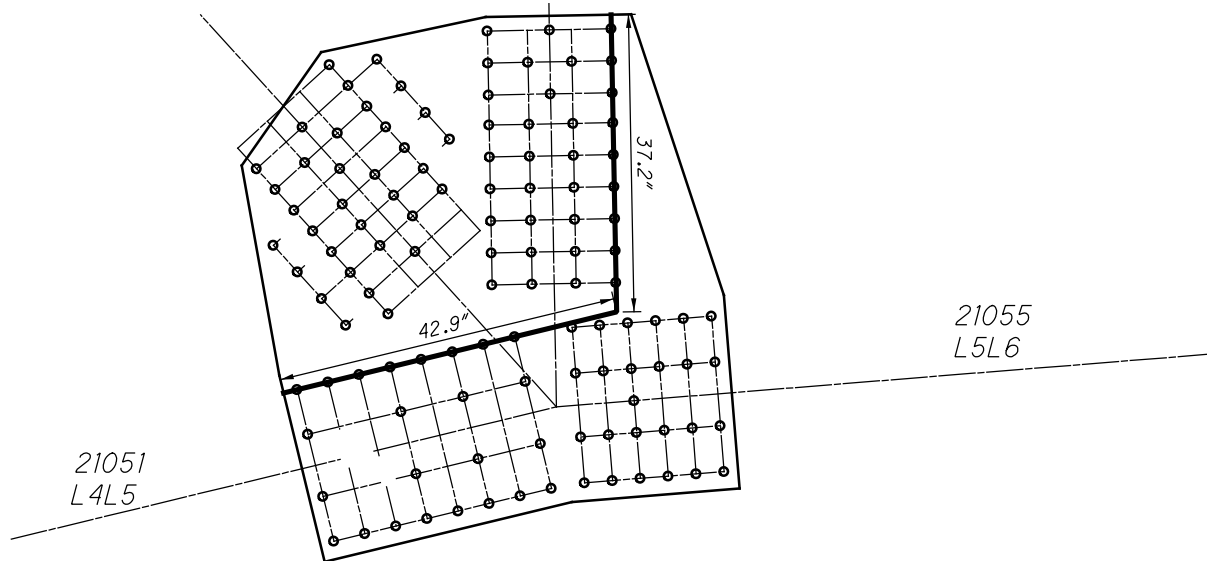
**L105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**



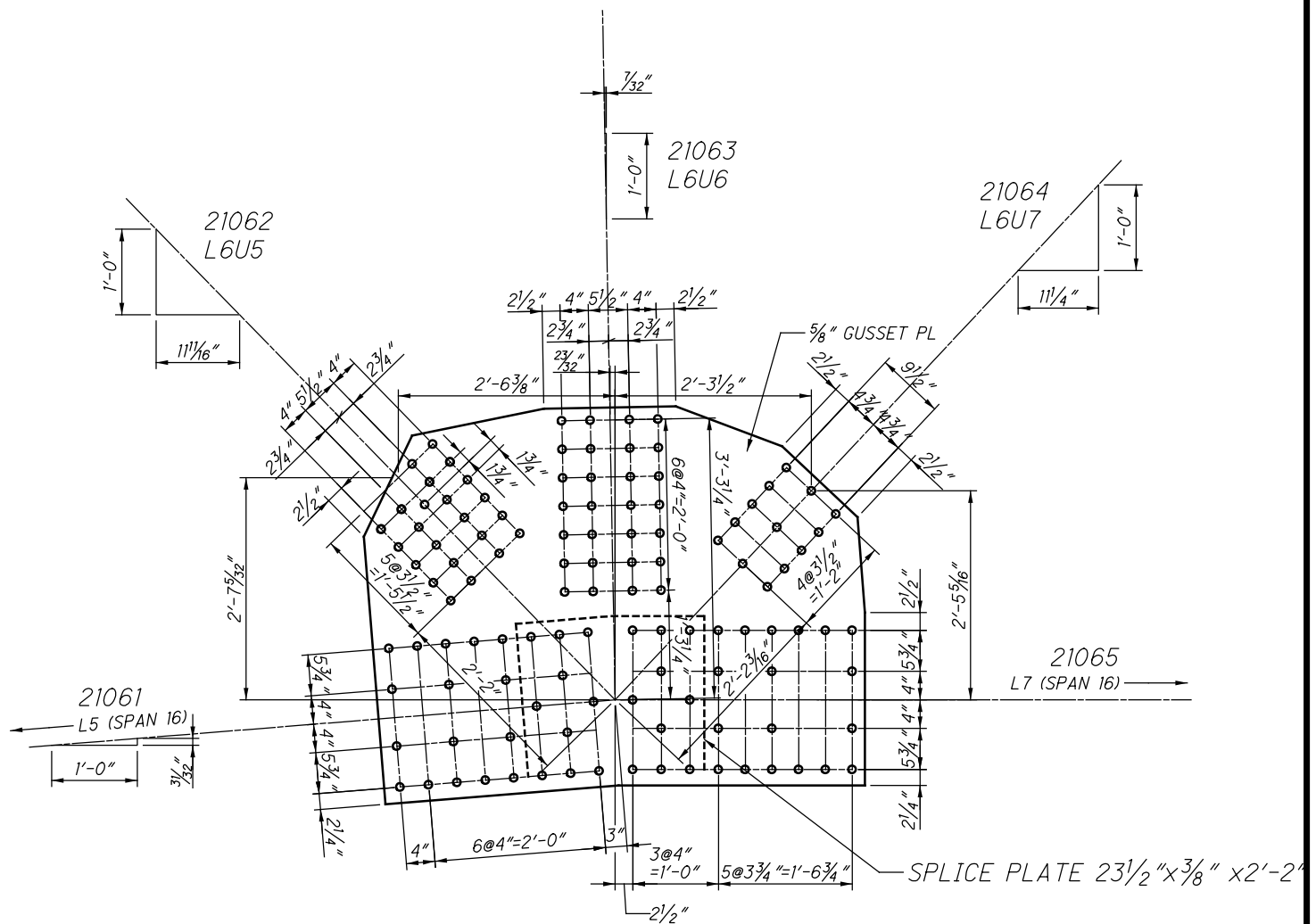
21053
L5U5

12105 AND 42105

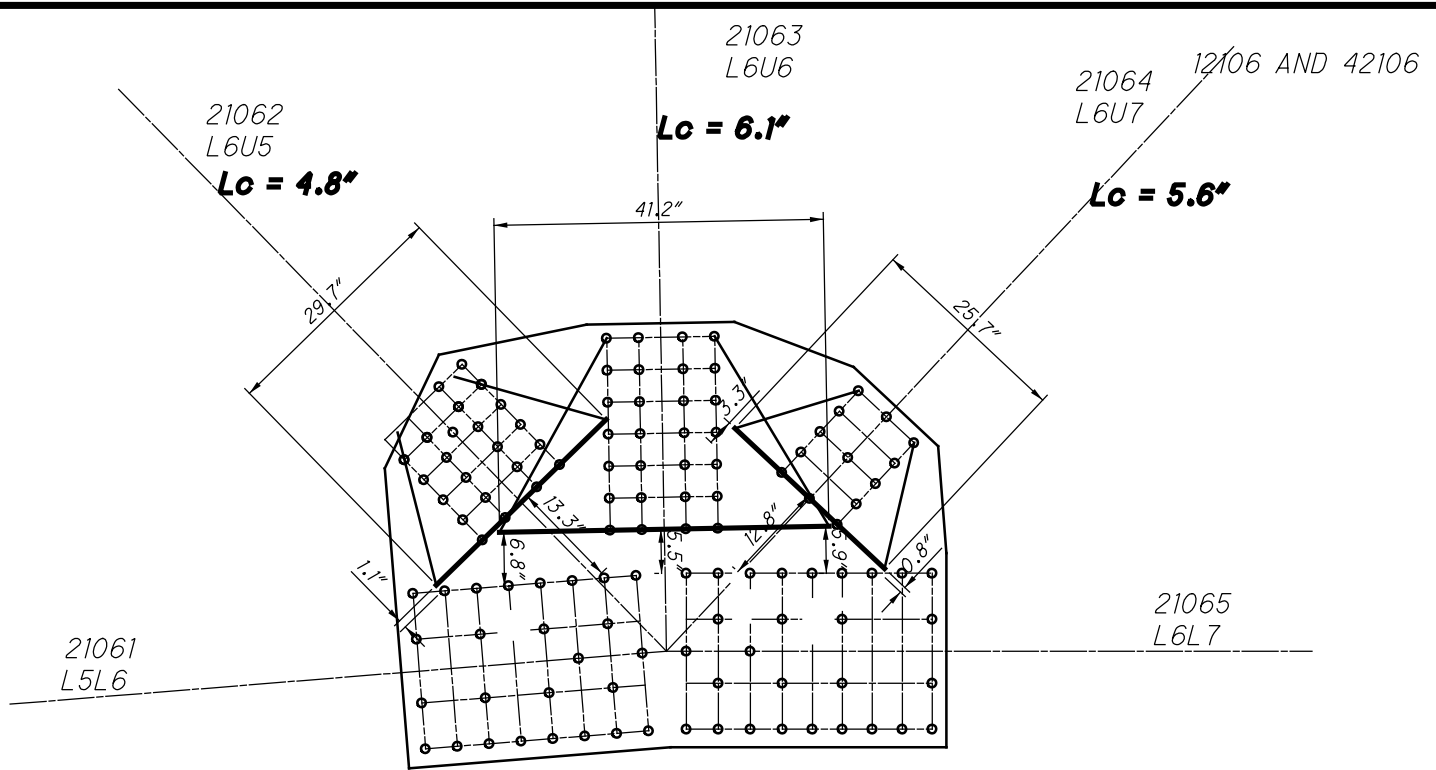
21052
L5U4



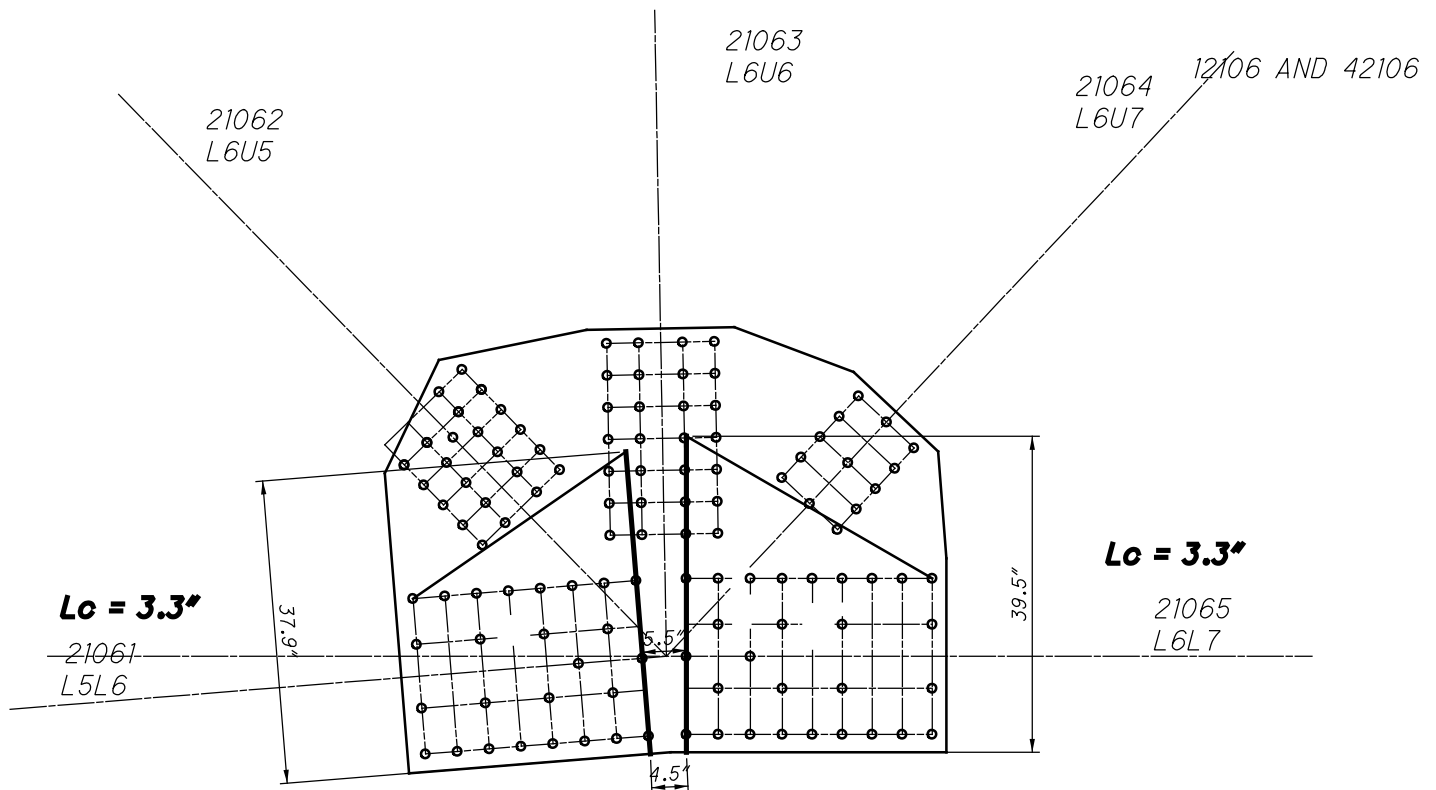
**L105 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



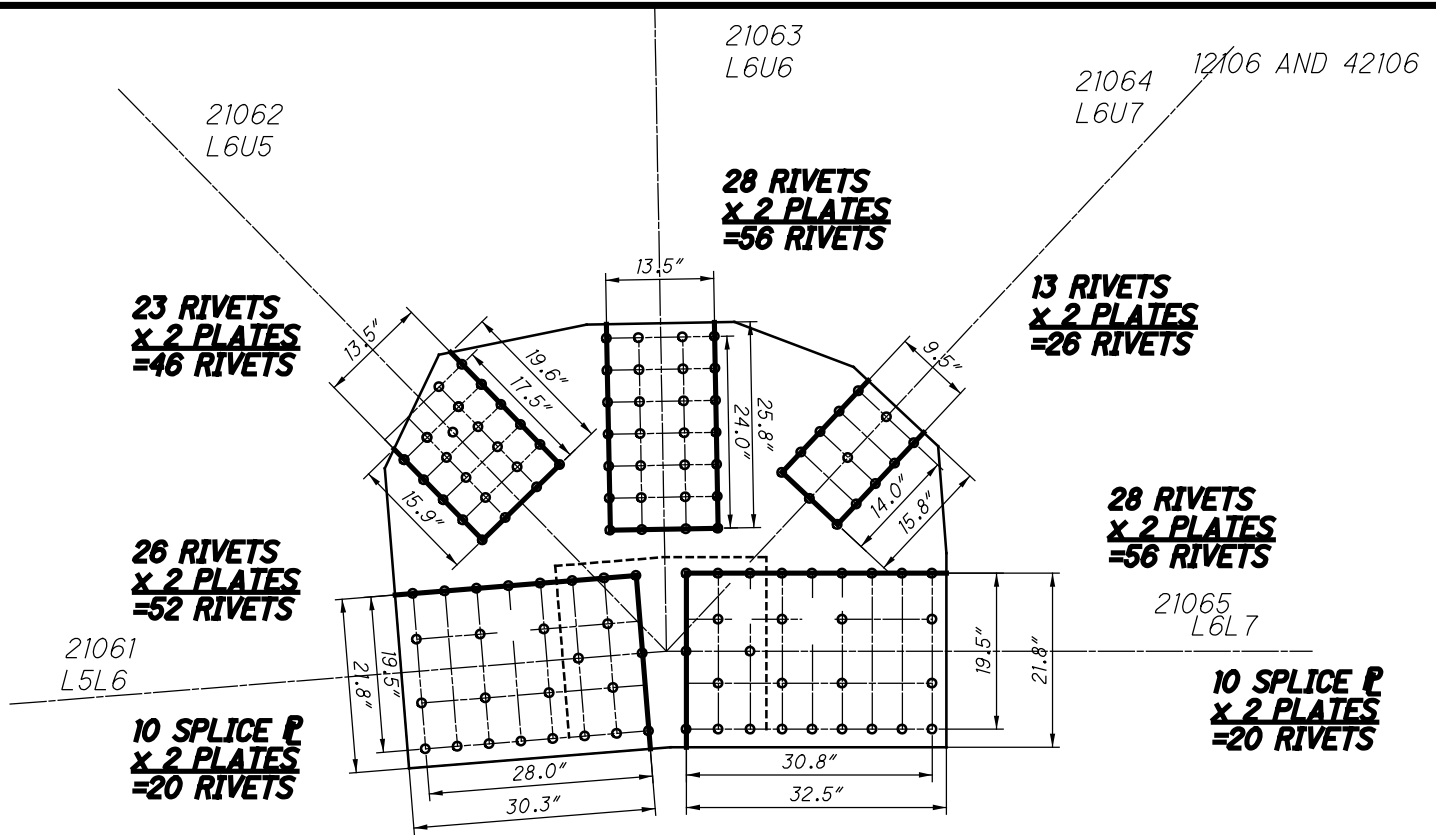
**L106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



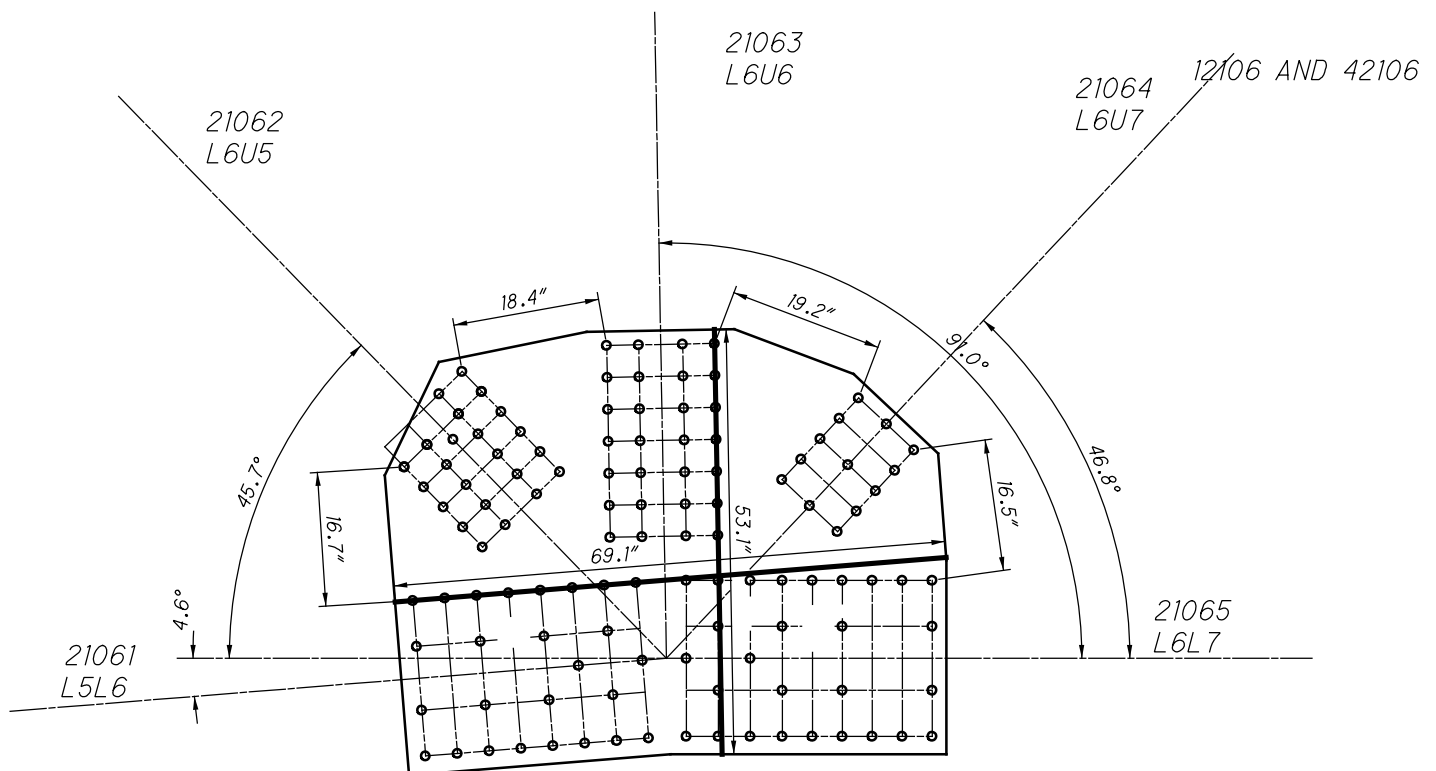
**L106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



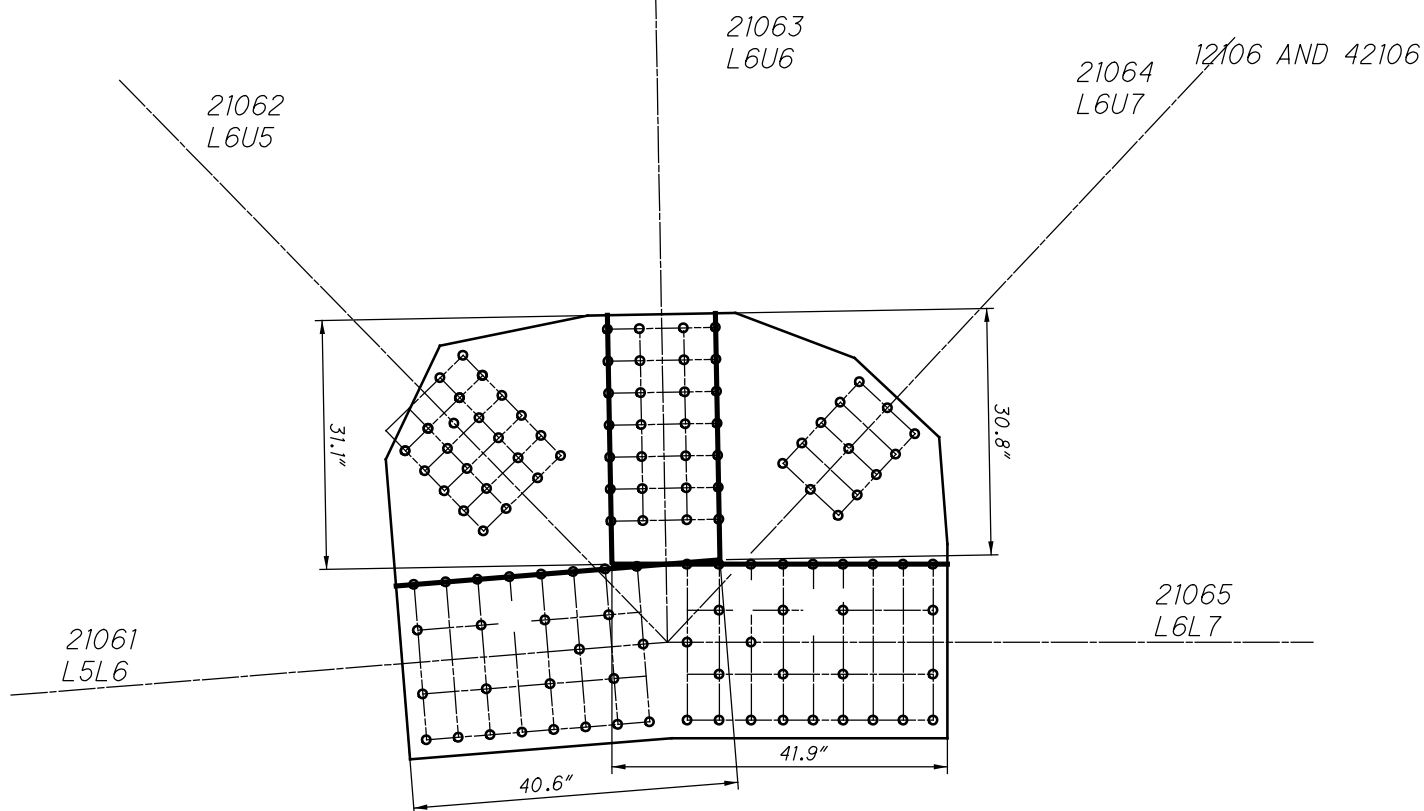
**L106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



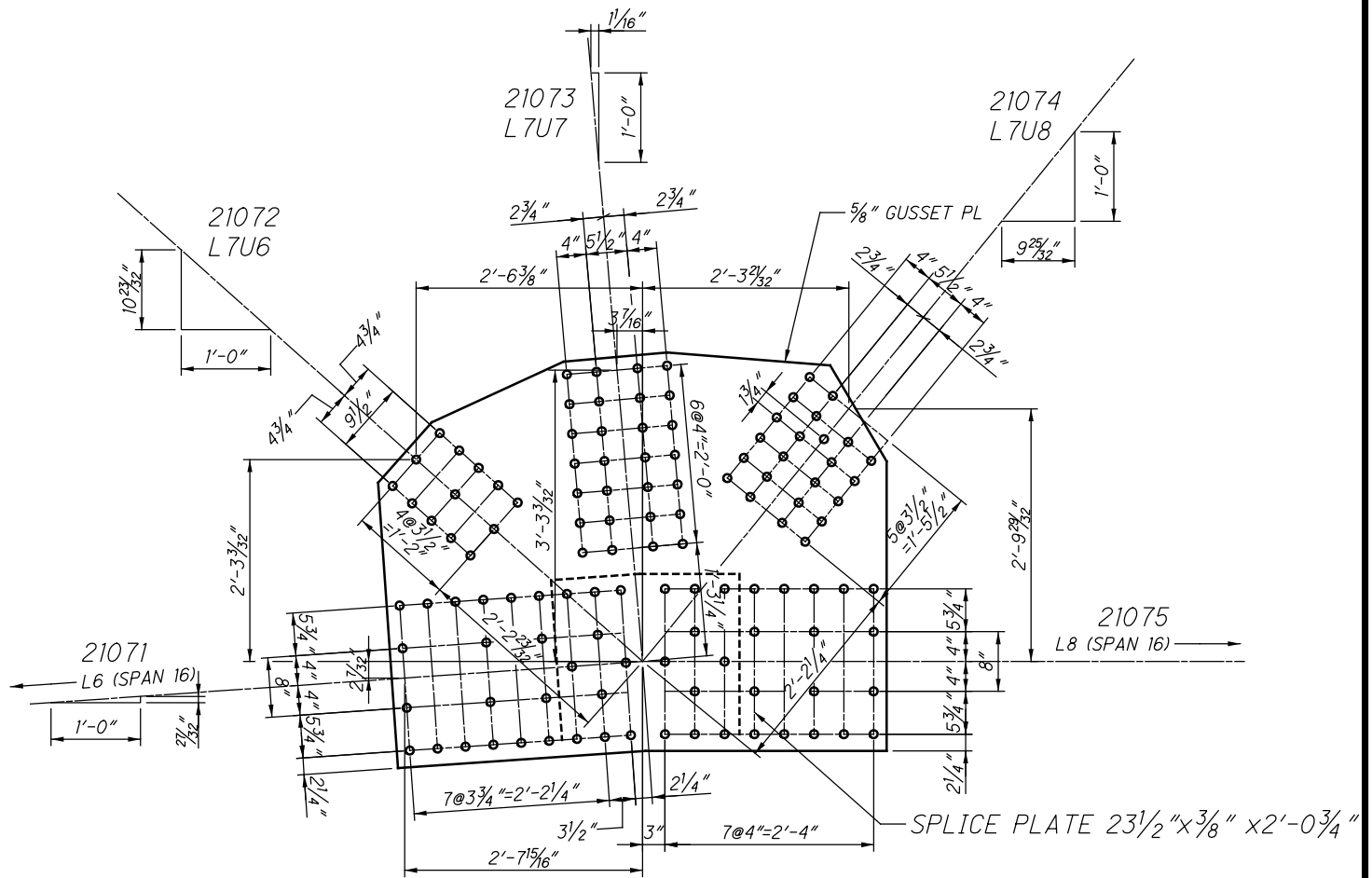
**L106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



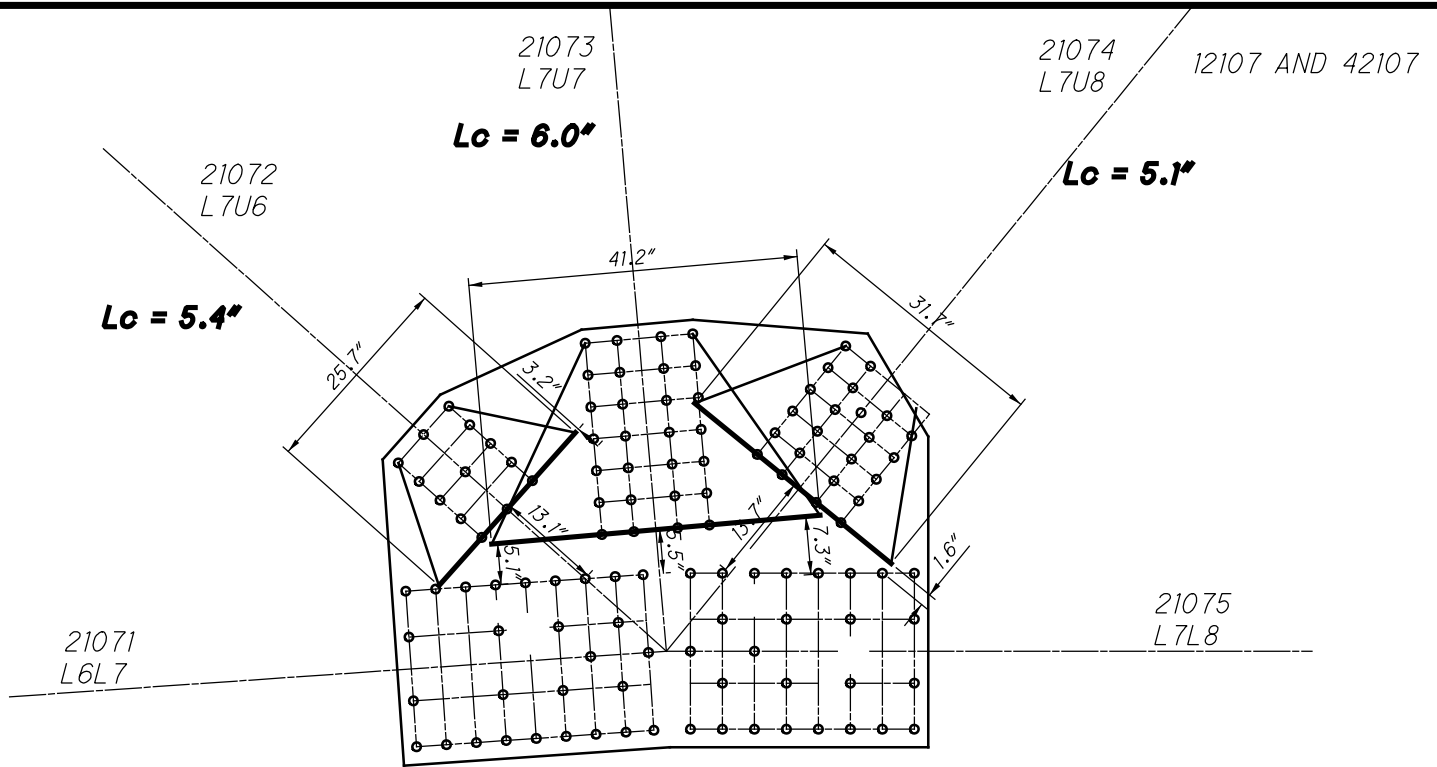
**L106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**



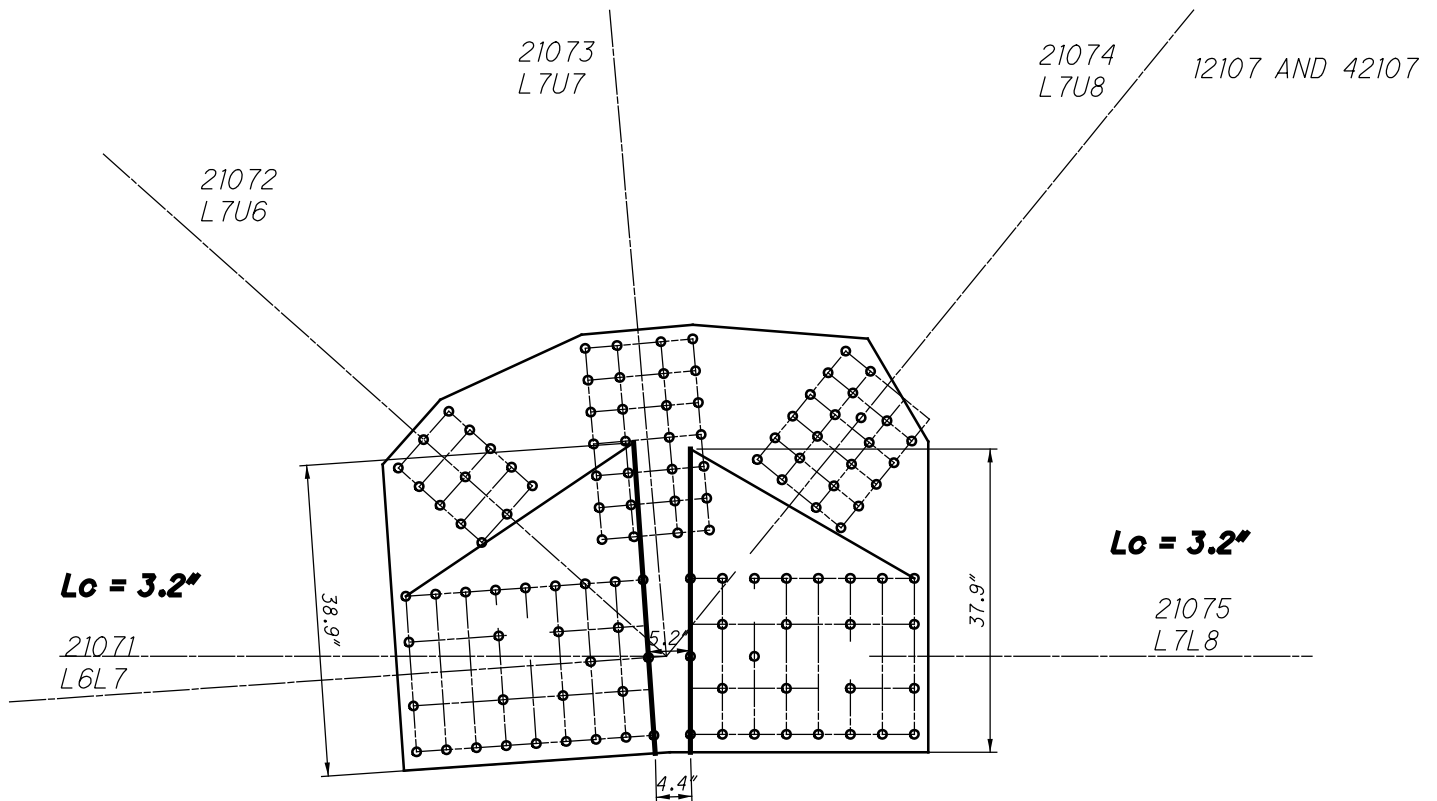
**L106 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



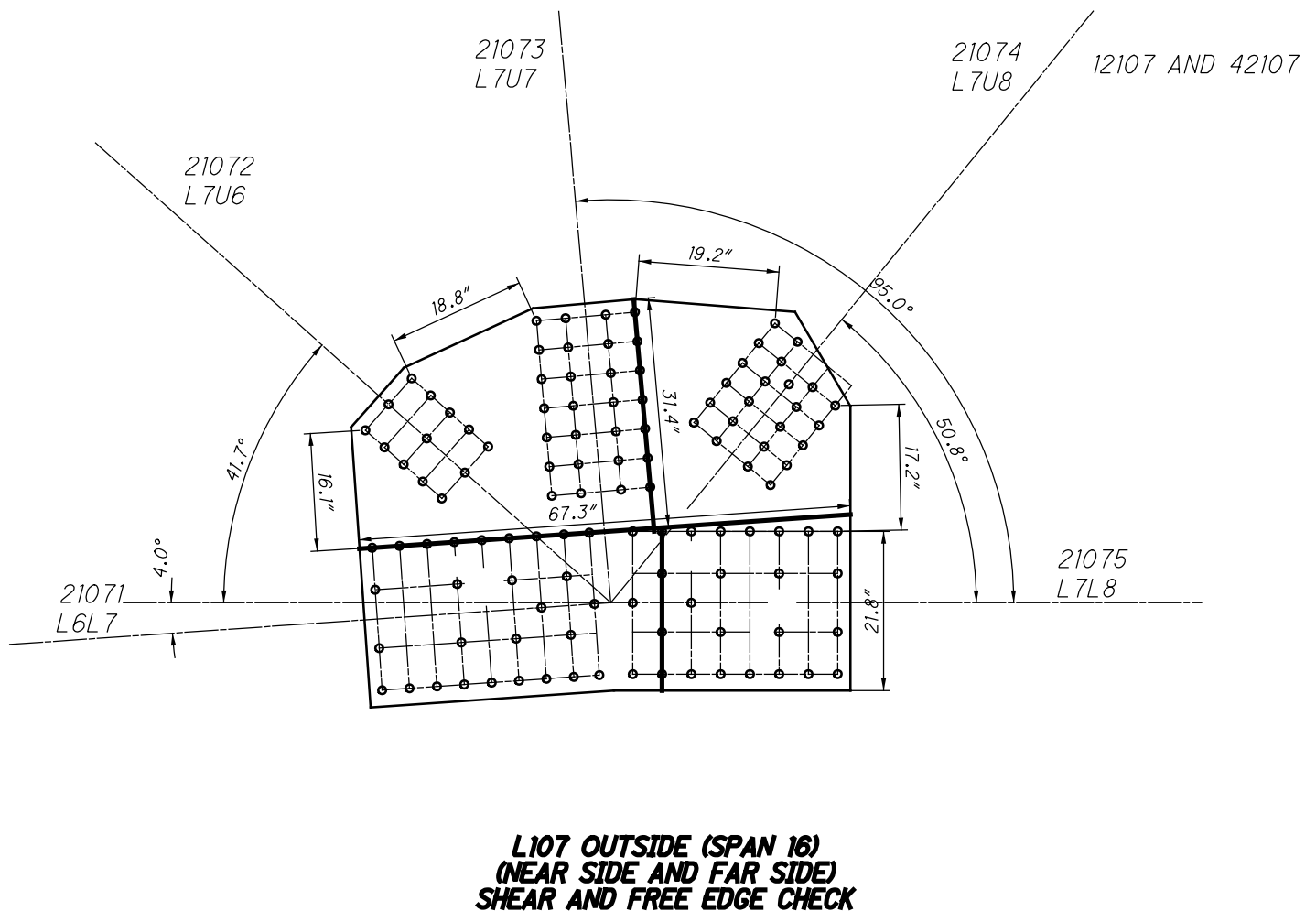
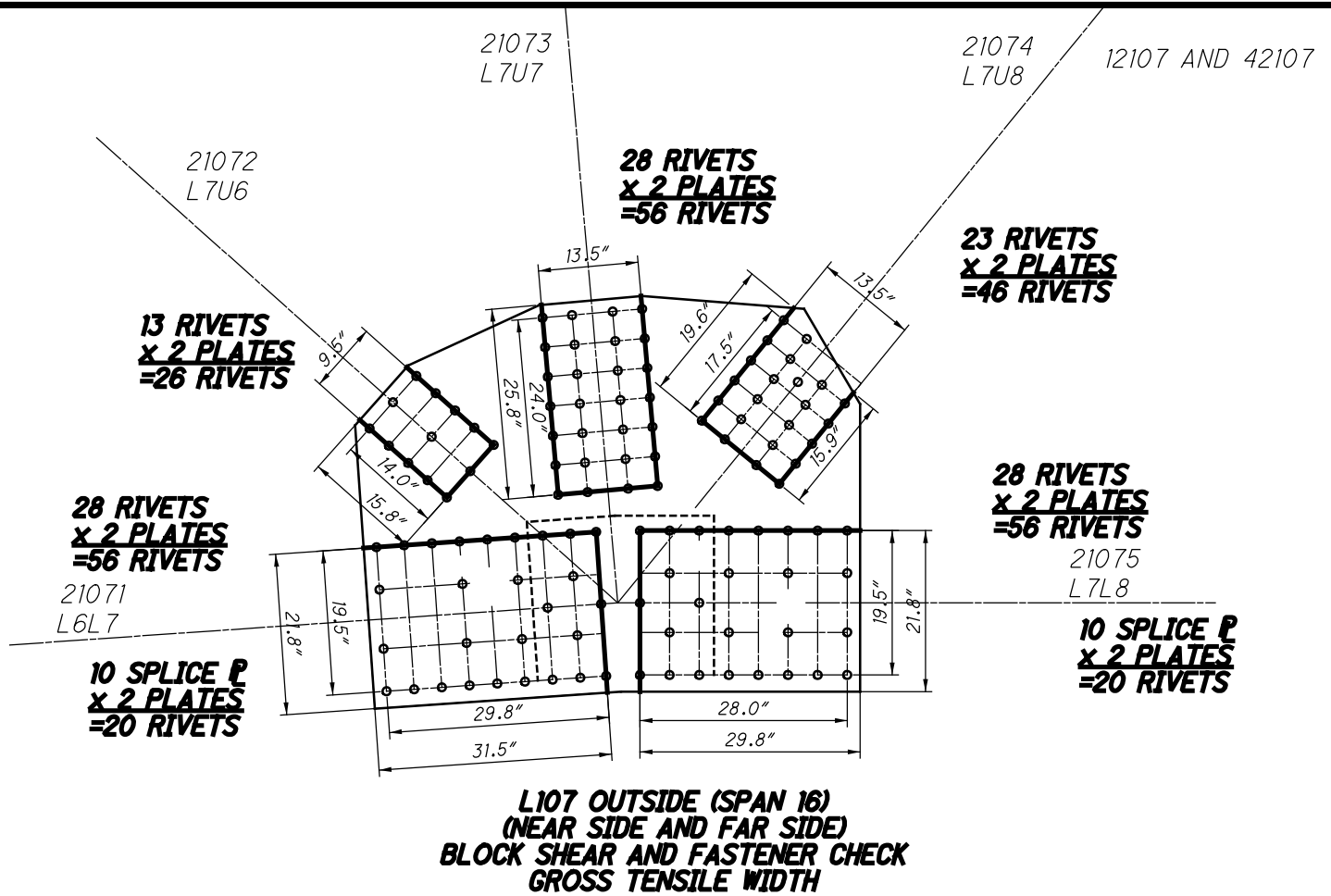
**L107 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

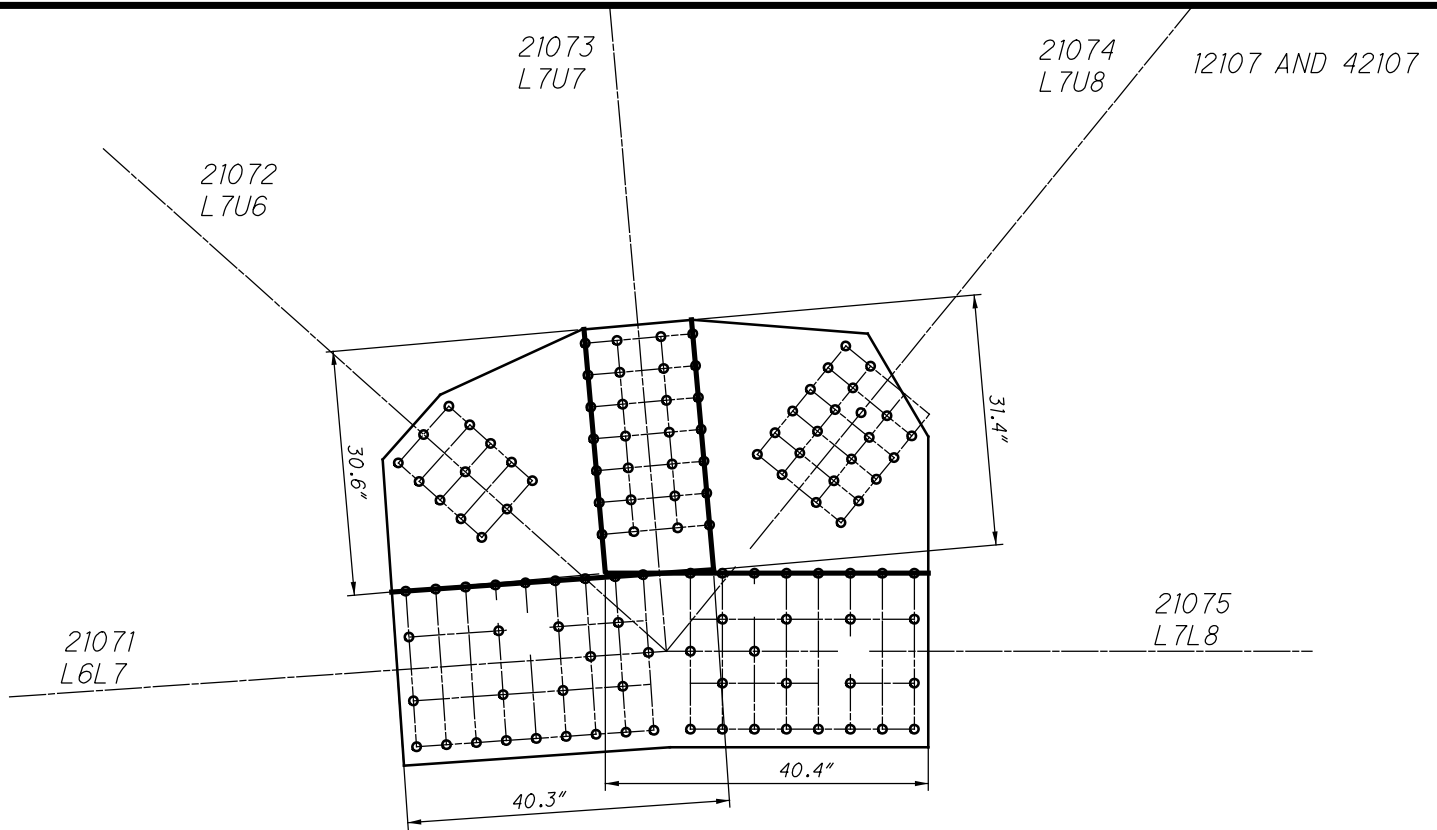


**L107 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

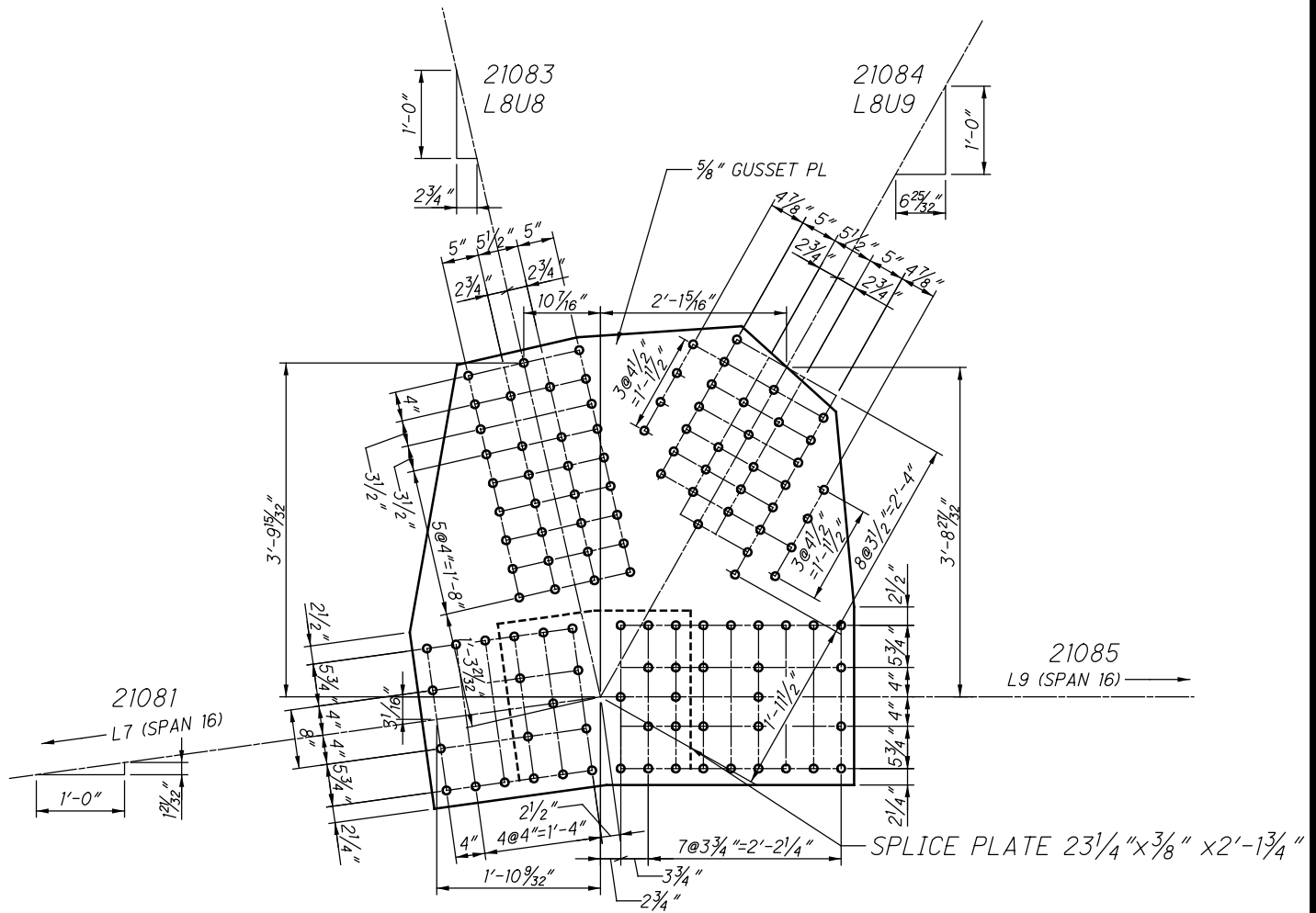


**L107 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

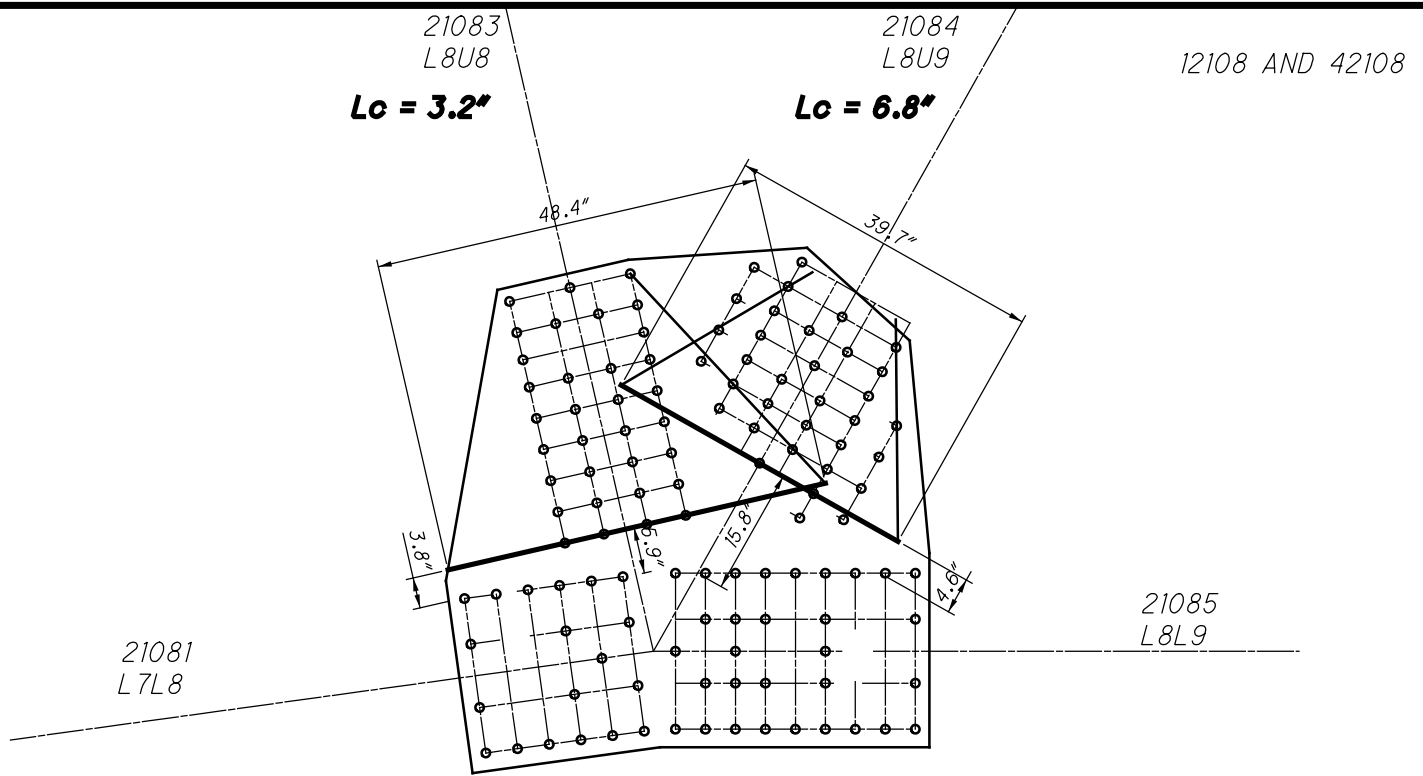




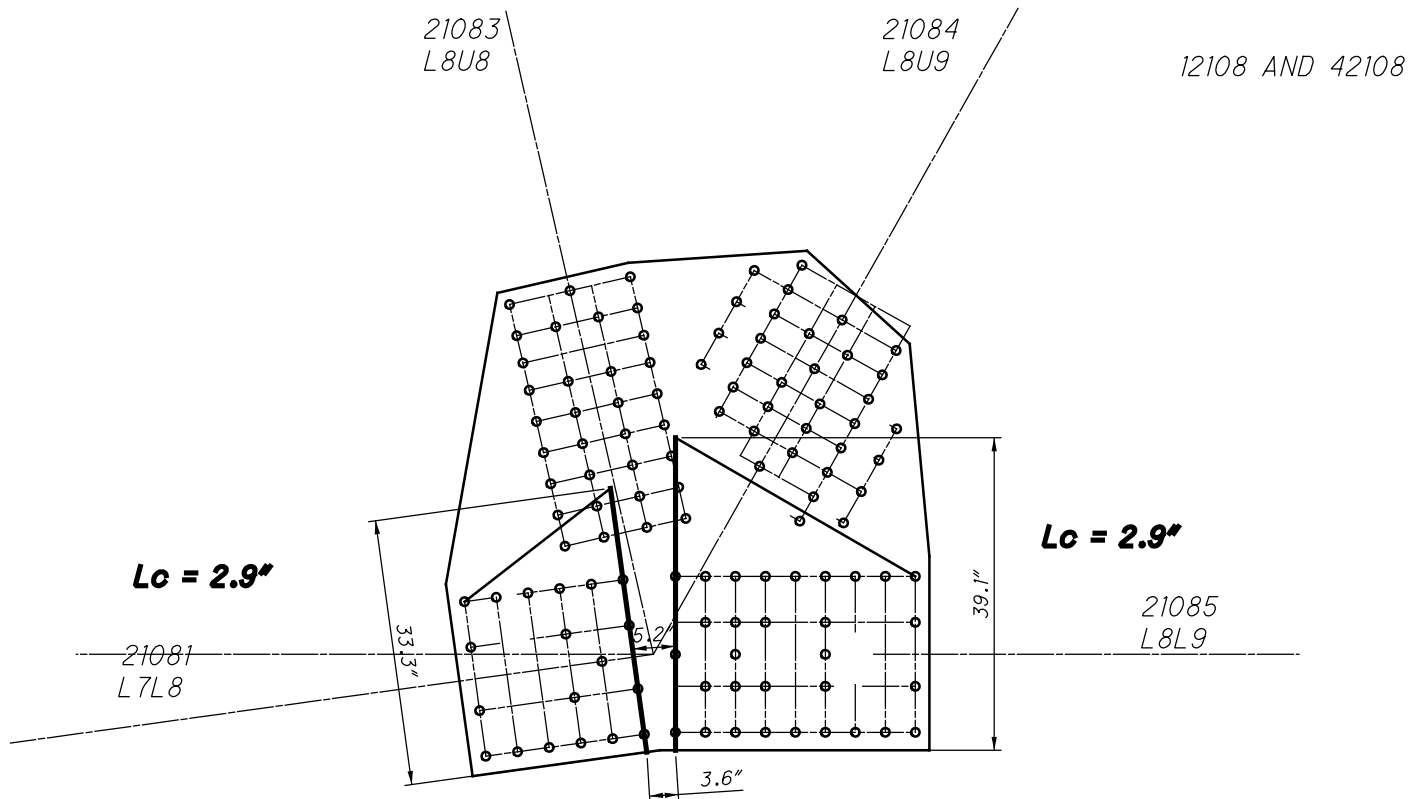
**L107 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



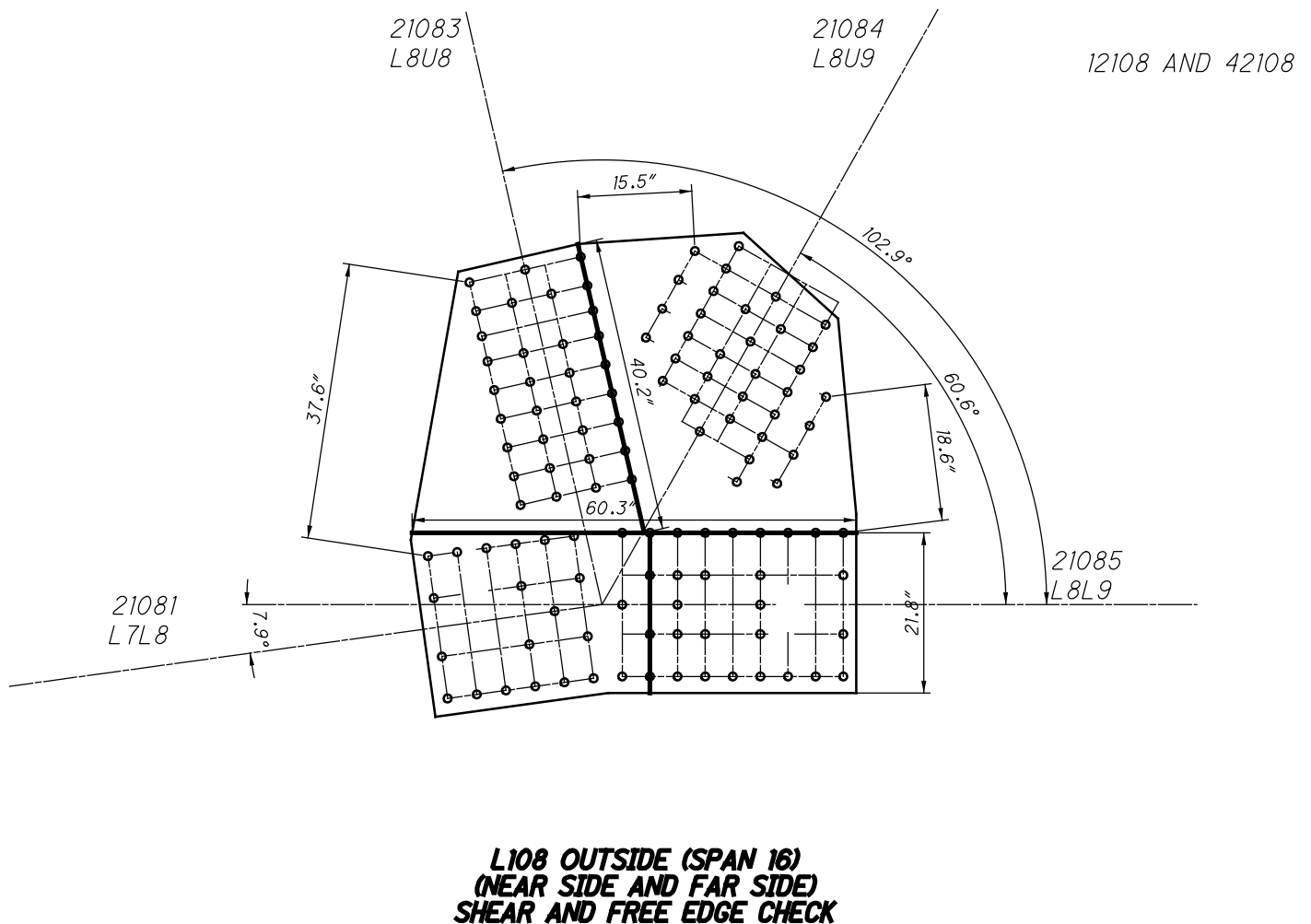
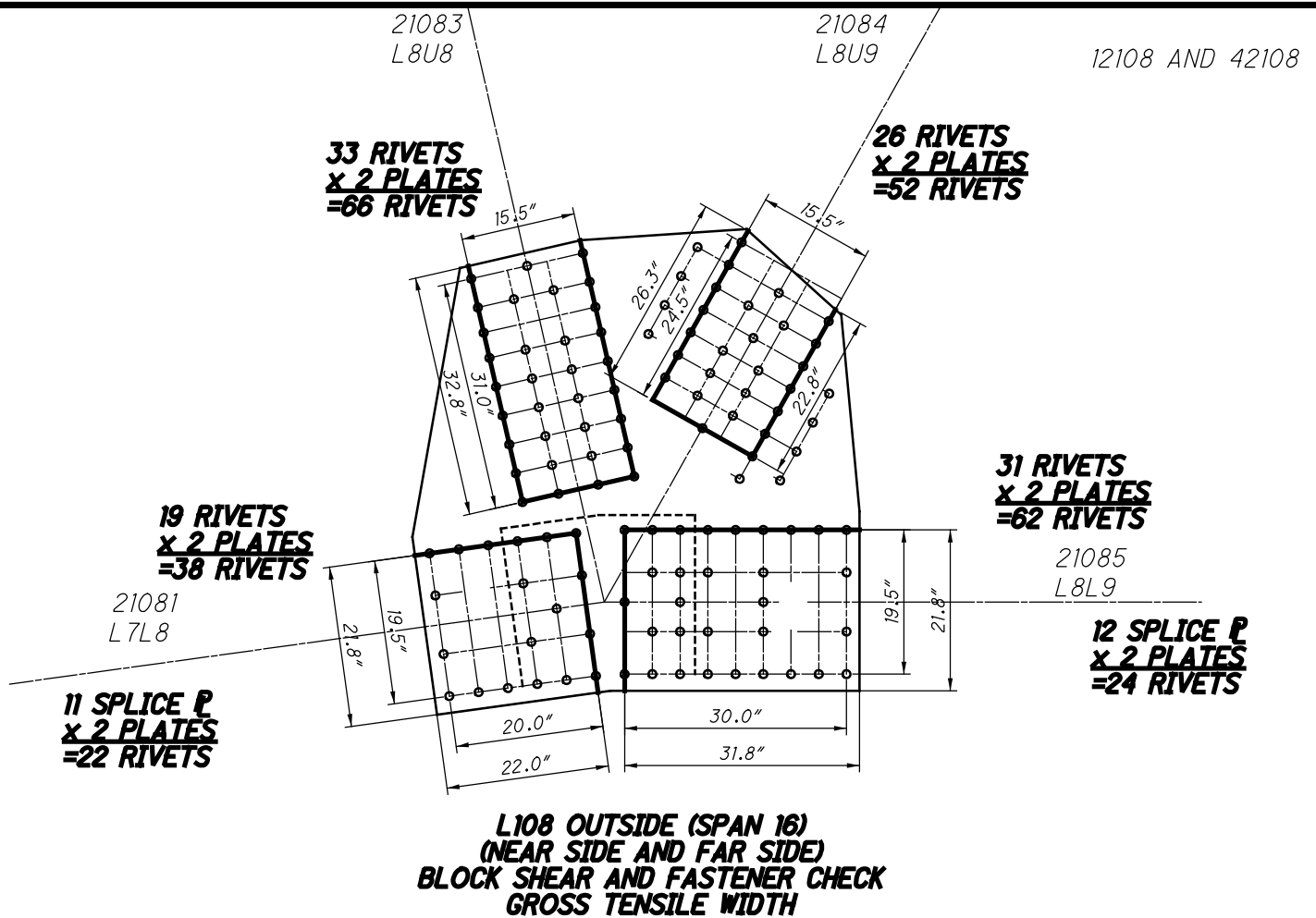
**L108 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

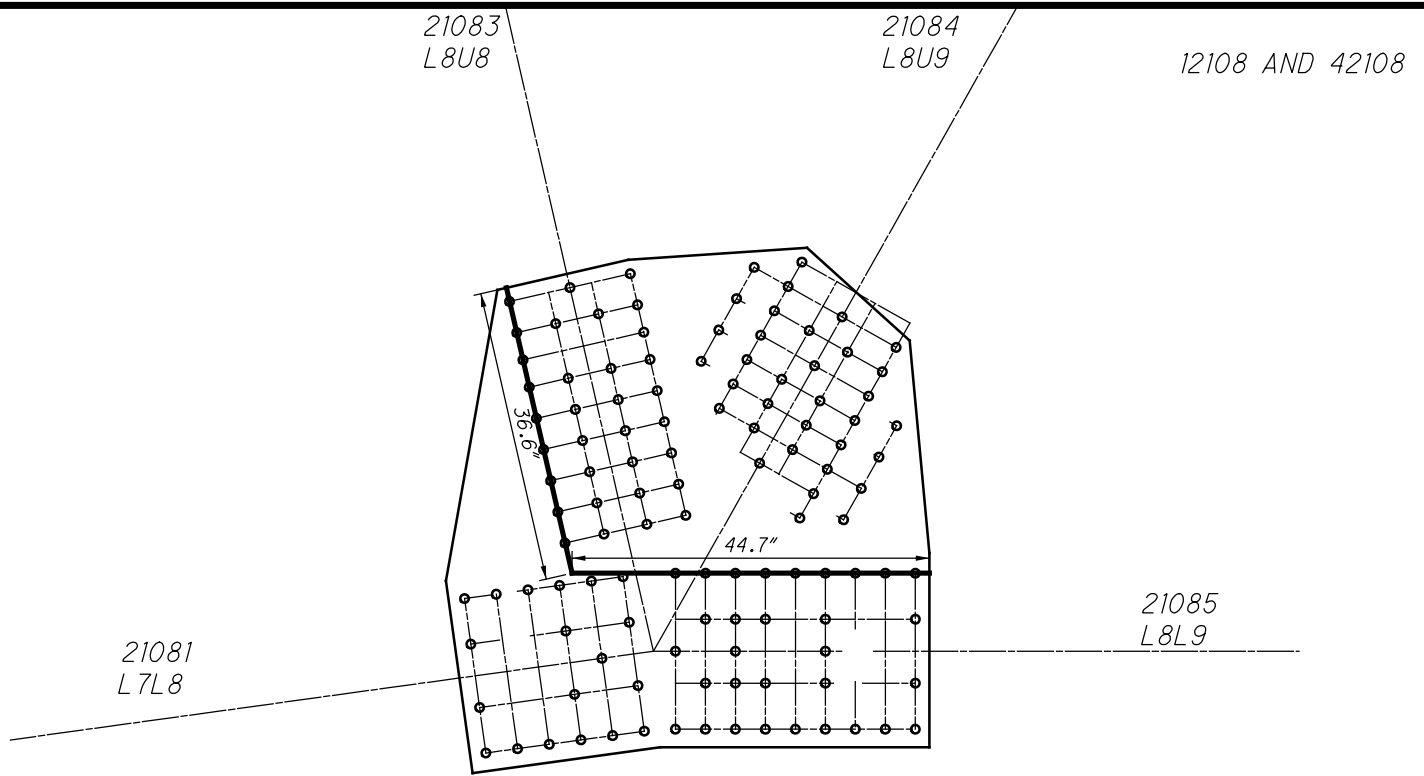


**L108 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



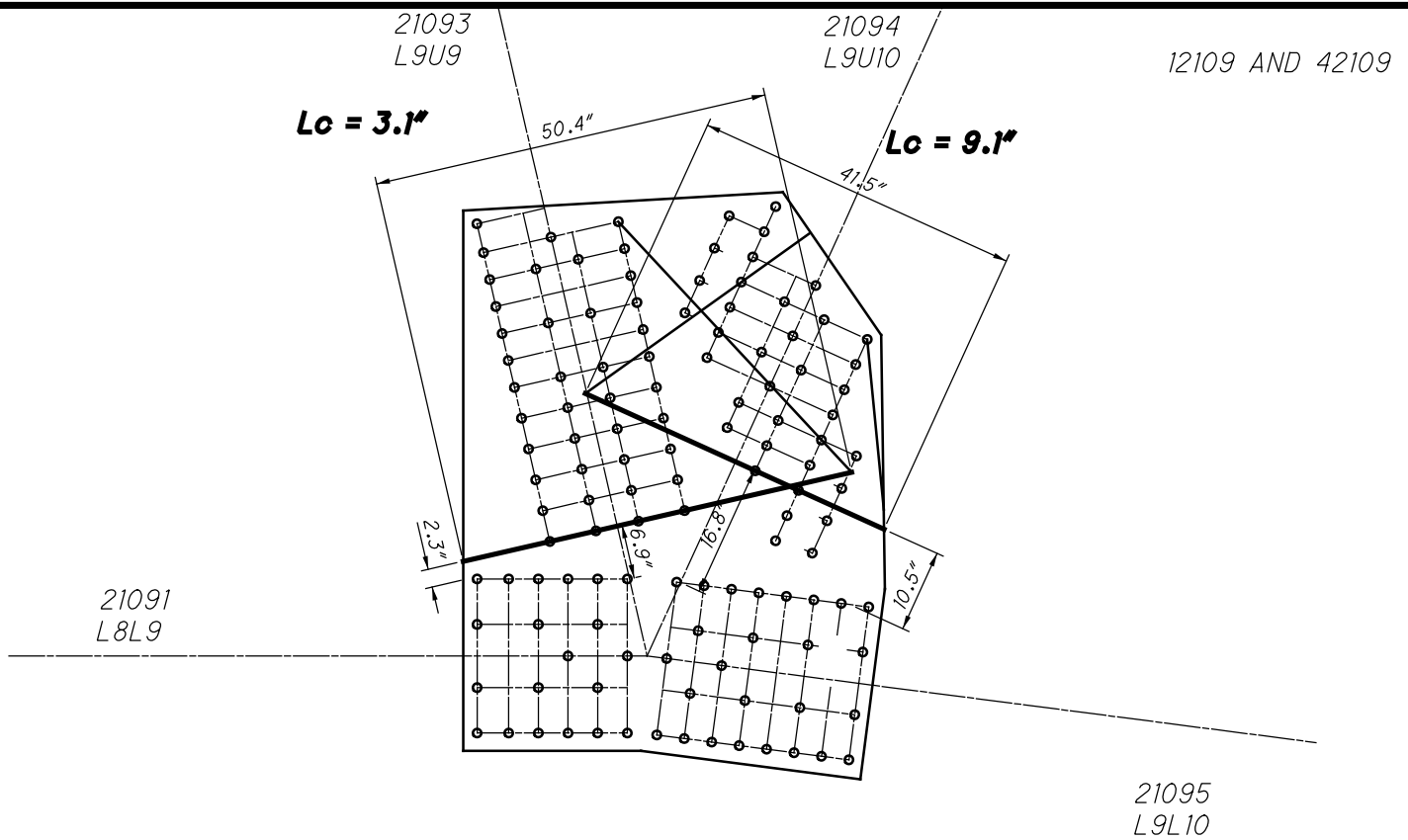
**L108 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



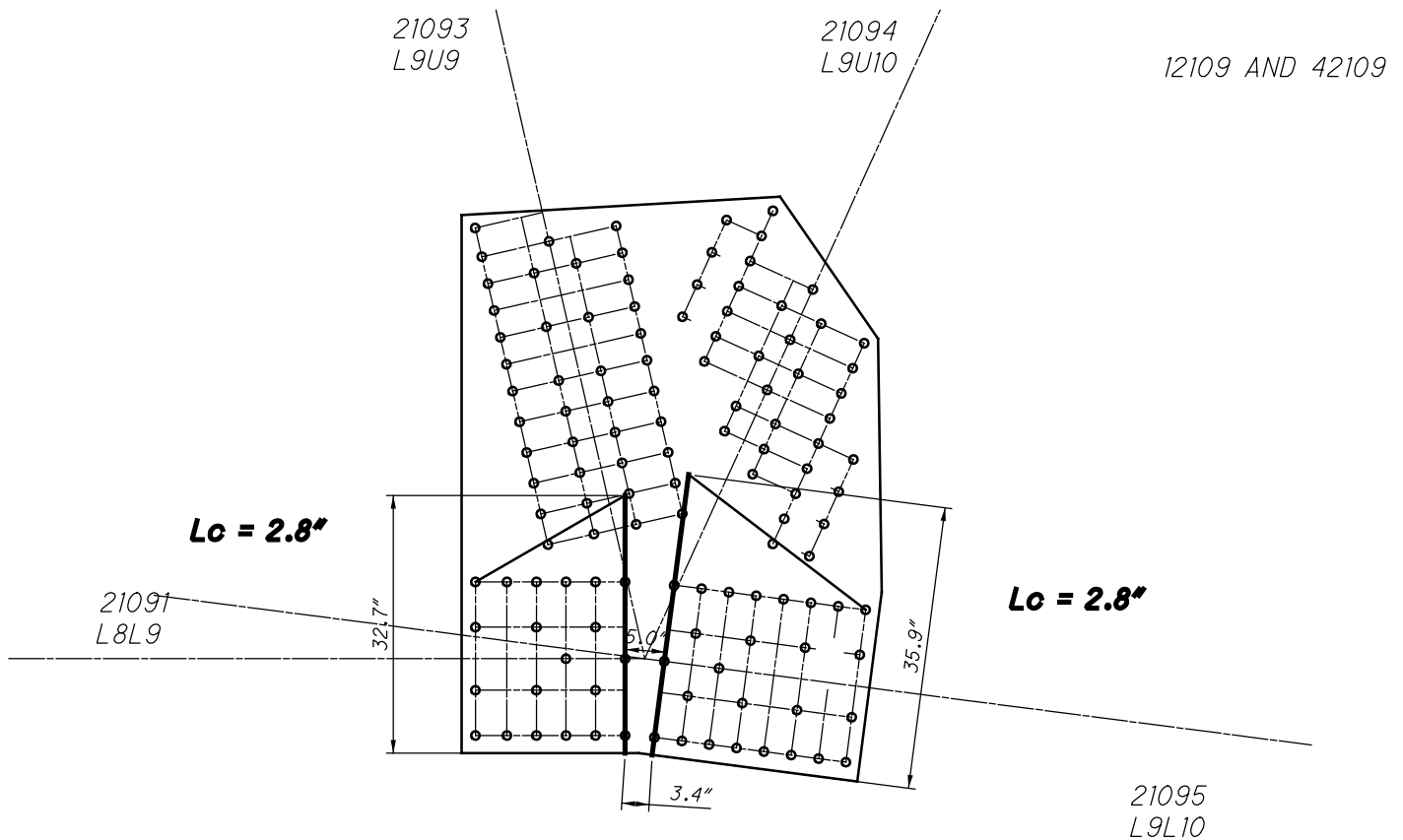


**L108 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

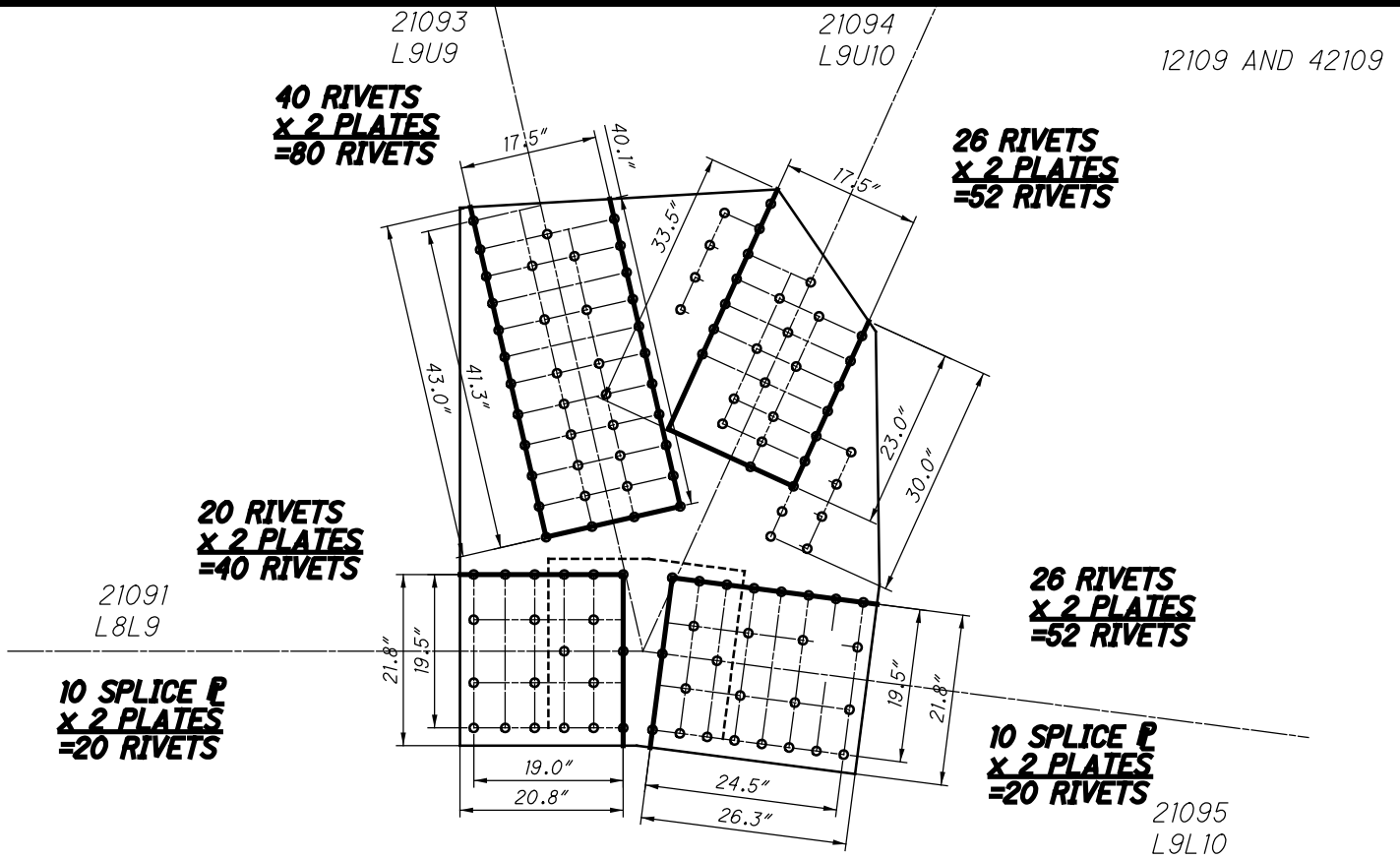




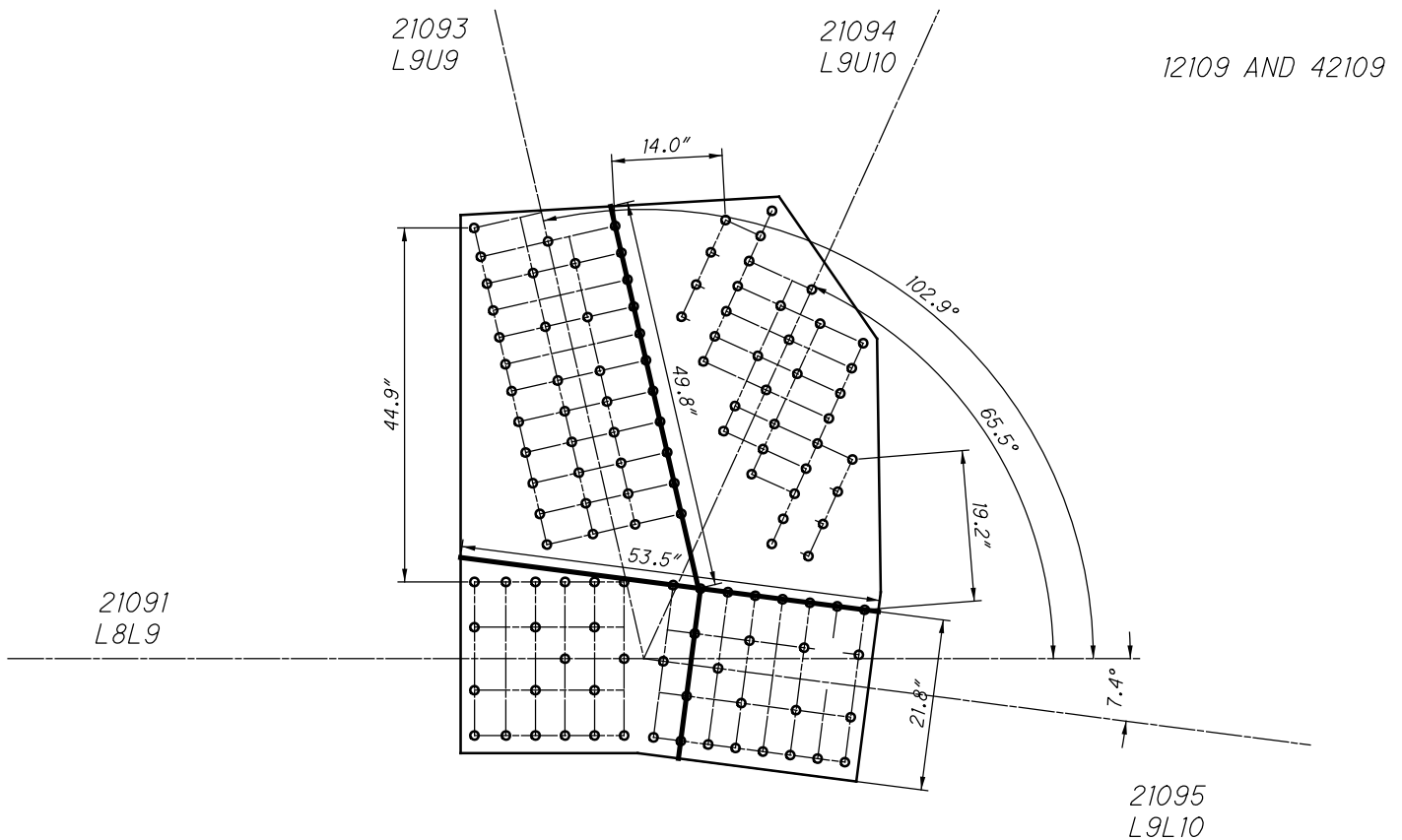
**L109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



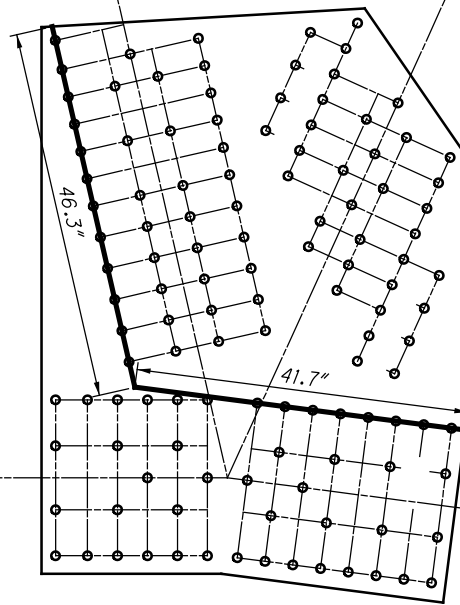
**L109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

21093
L9U9

21094
L9U10

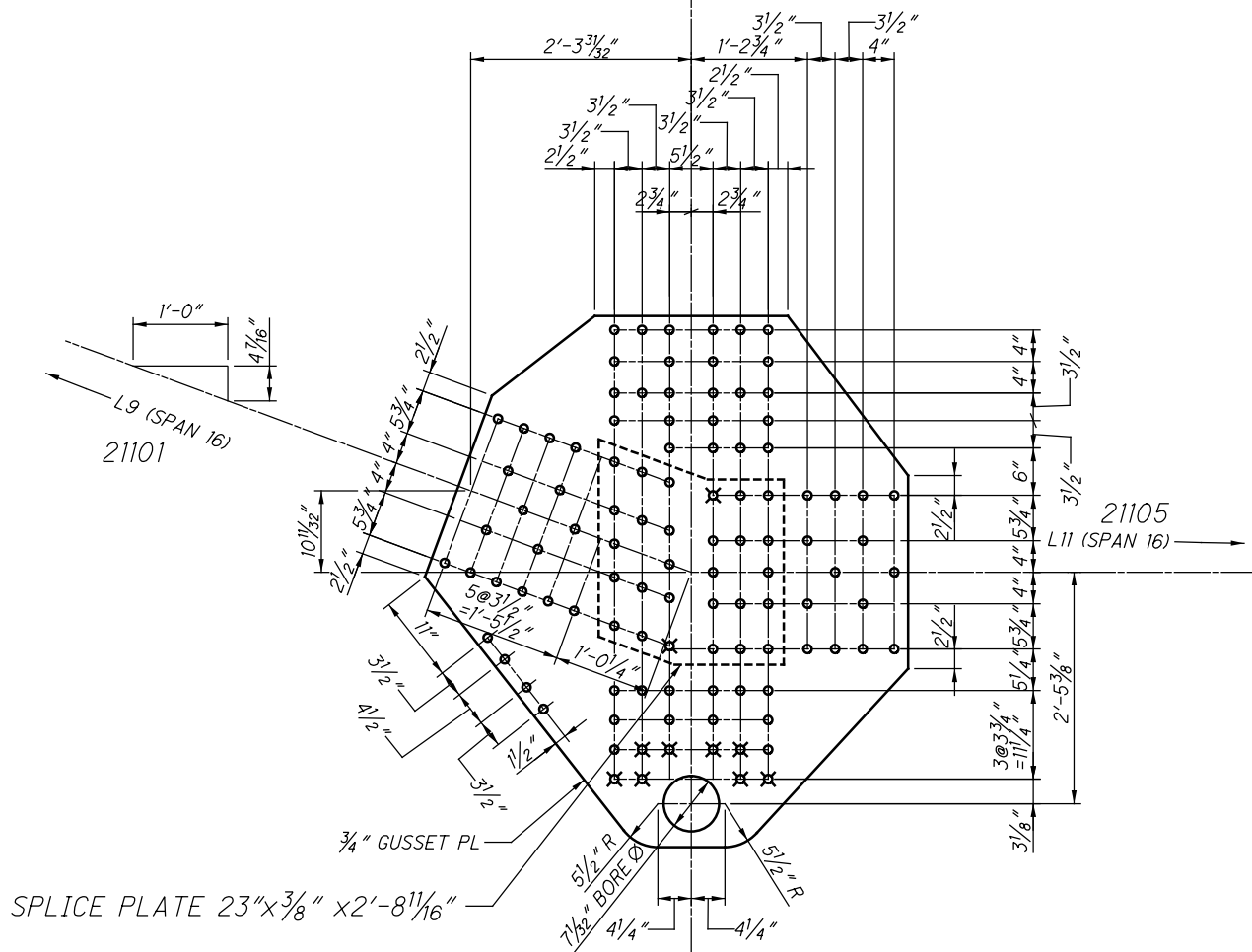
12109 AND 42109

21091
L8L9



21095
L9L10

**L109 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



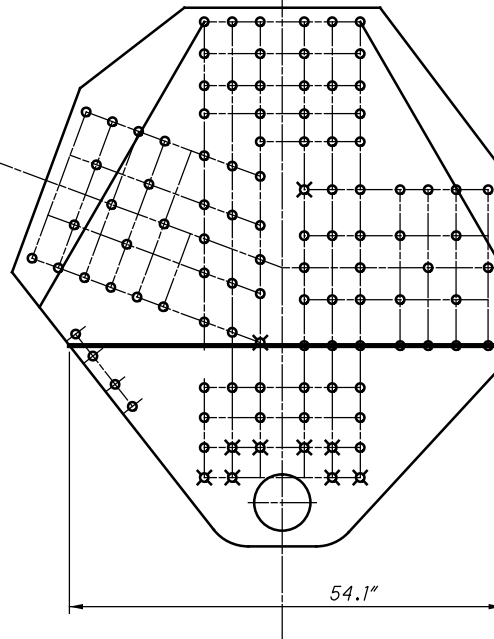
**L110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21103
L10U10

12110 AND 42110

21101
L9L10

21105
L10L11



**L110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21103
L10U10

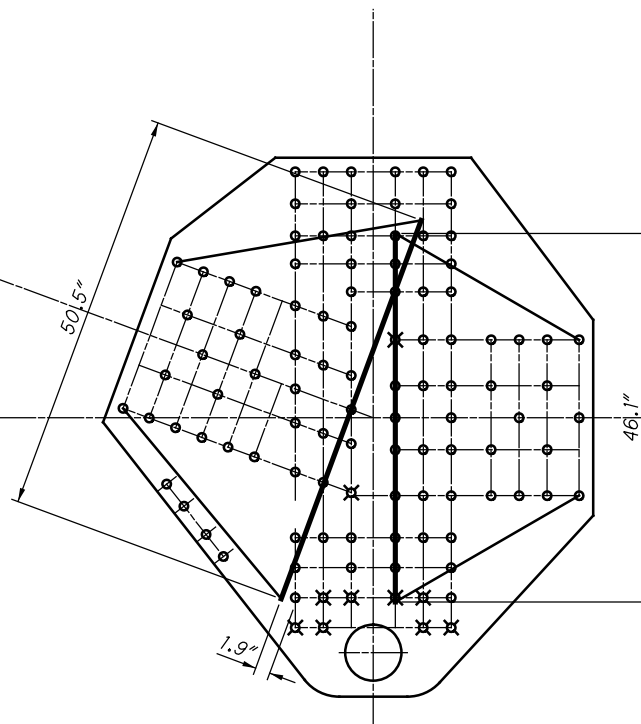
12110 AND 42110

21101
L9L10

$L_c = 0.6''$

21105
L10L11

$L_c = 0''$



**L110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21103
L10U10

12110 AND 42110

21101
L9L10

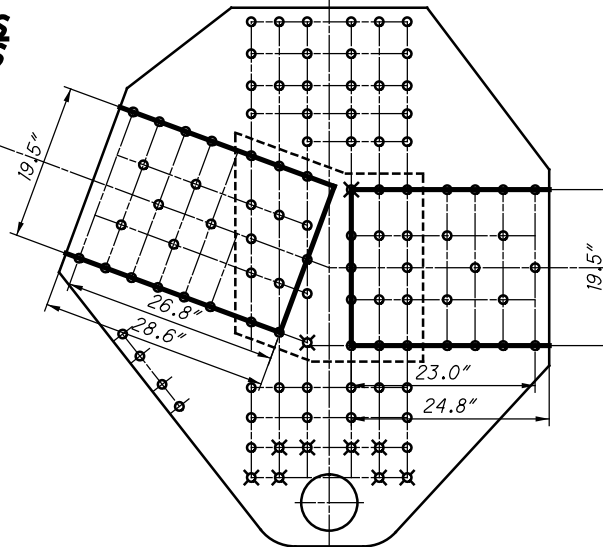
**30 RIVETS
x 2 PLATES
=60 RIVETS**

**14 SPLICE P
x 2 PLATES
=28 RIVETS**

**28 RIVETS
x 2 PLATES
=56 RIVETS**

21105
L10L11

**14 SPLICE P
x 2 PLATES
=28 RIVETS**

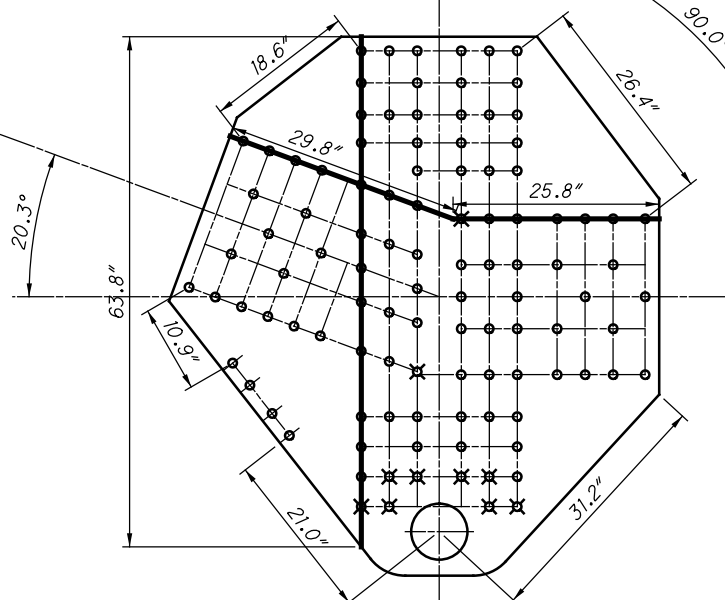


**L110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21103
L10U10

12110 AND 42110

21101
L9L10



21105
L10L11

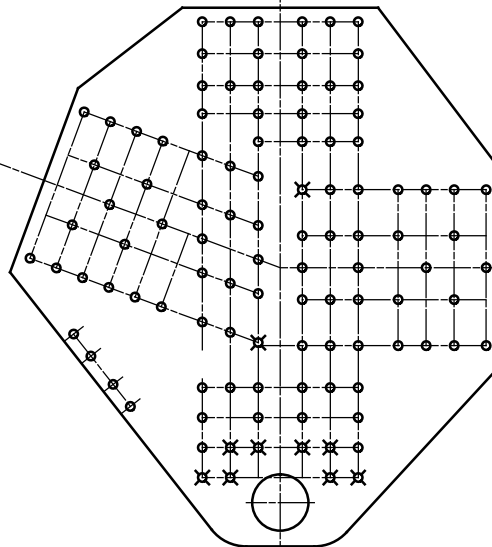
**L110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

21103
L10U10

12110 AND 42110

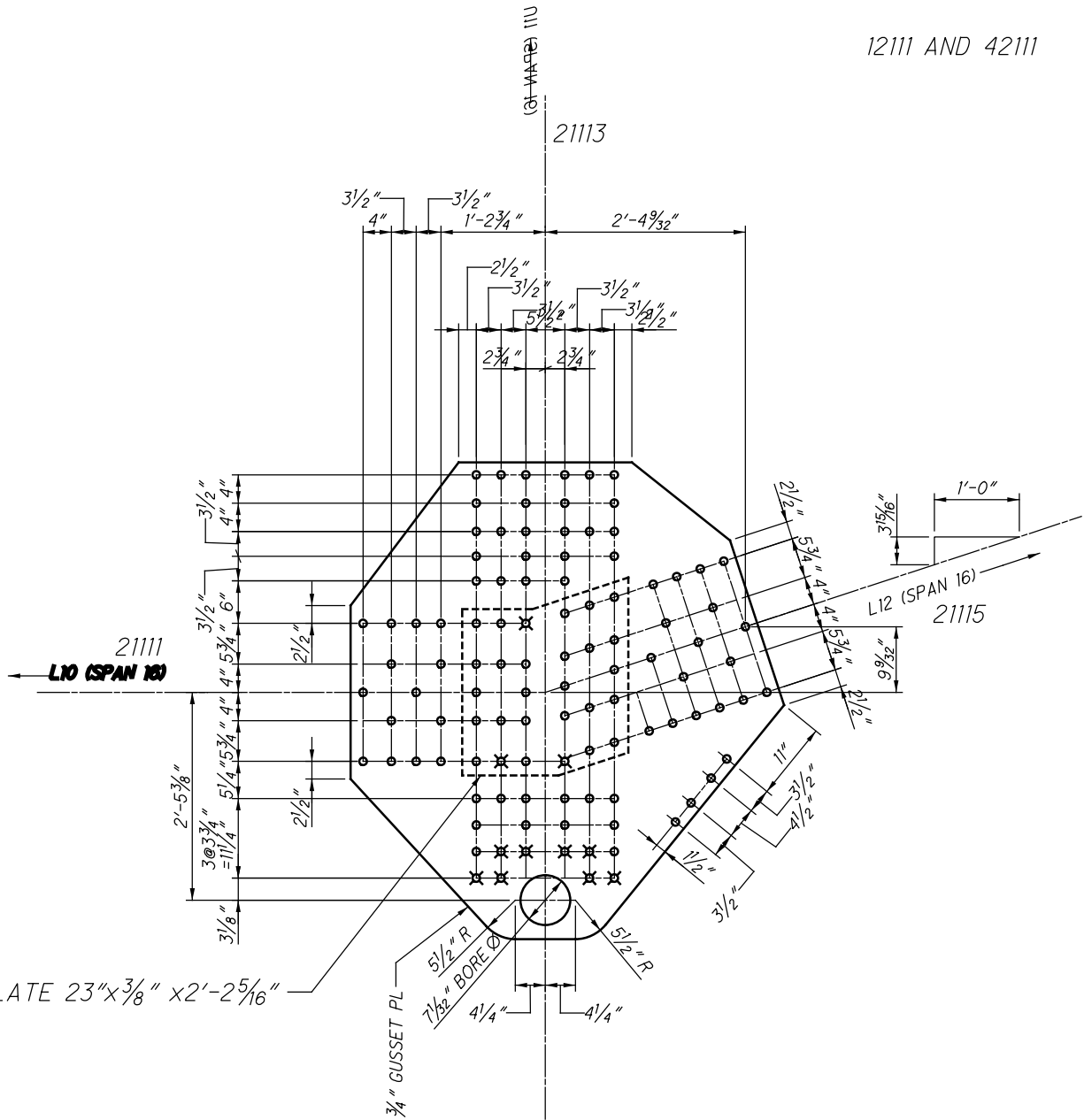
21101
L9L10

21105
L10L11



**L110 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

21113

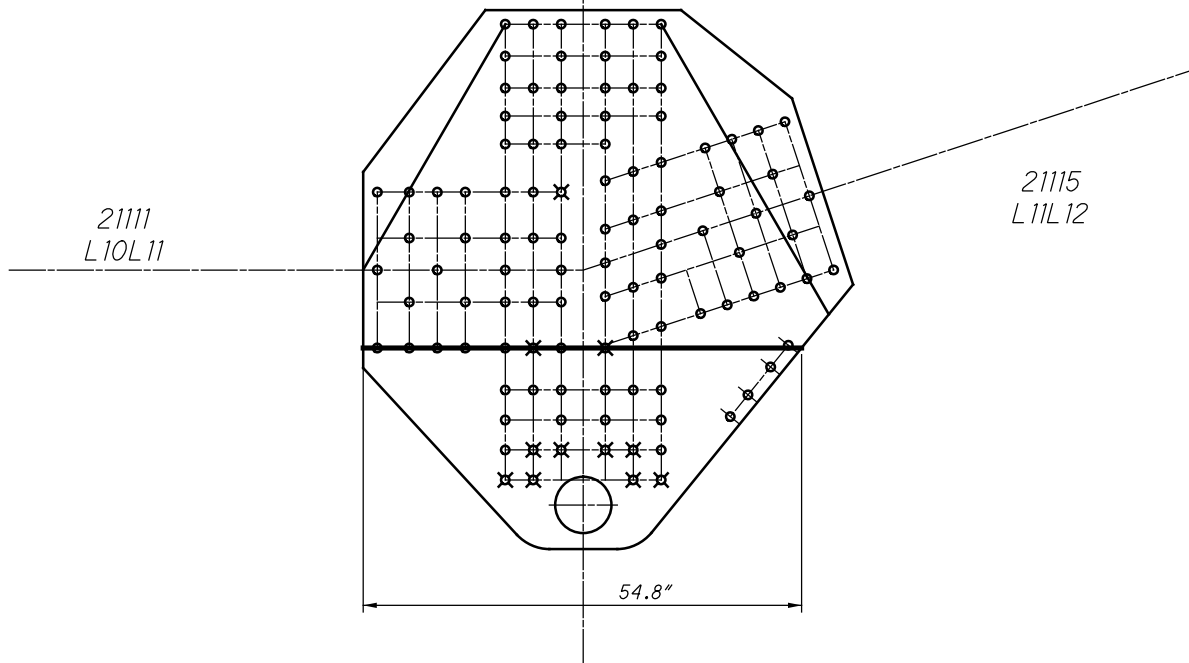


SPLICE PLATE 23"x3/8" x 2'-2 5/16"

**L111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21113
U11L11

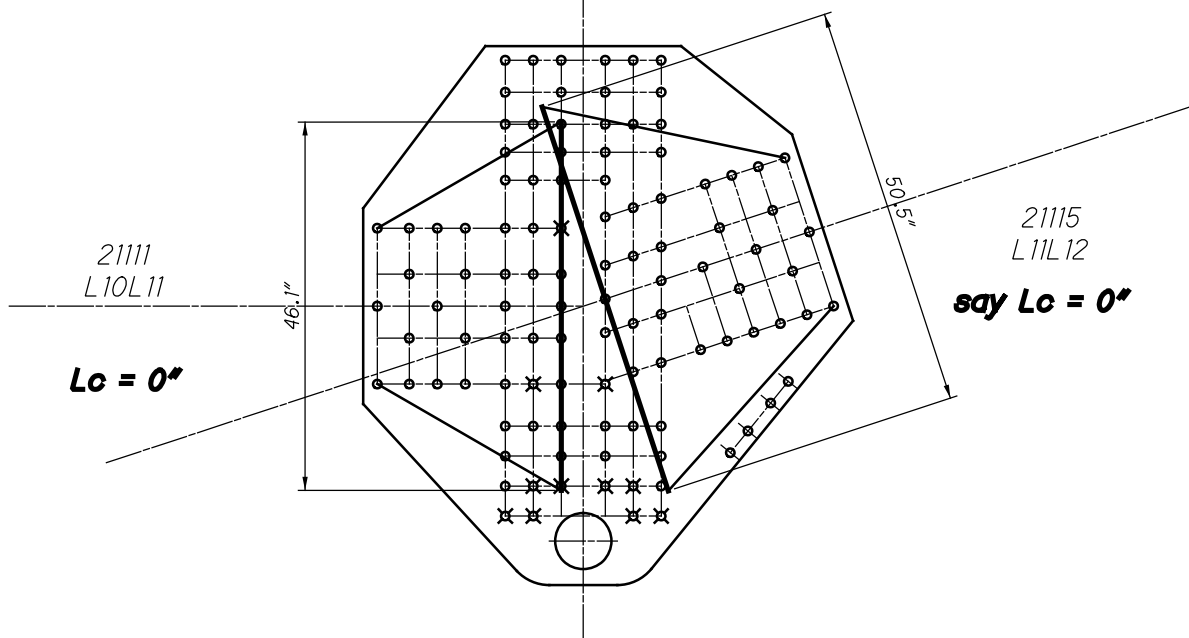
12111 AND 42111



**L111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21113
U11L11

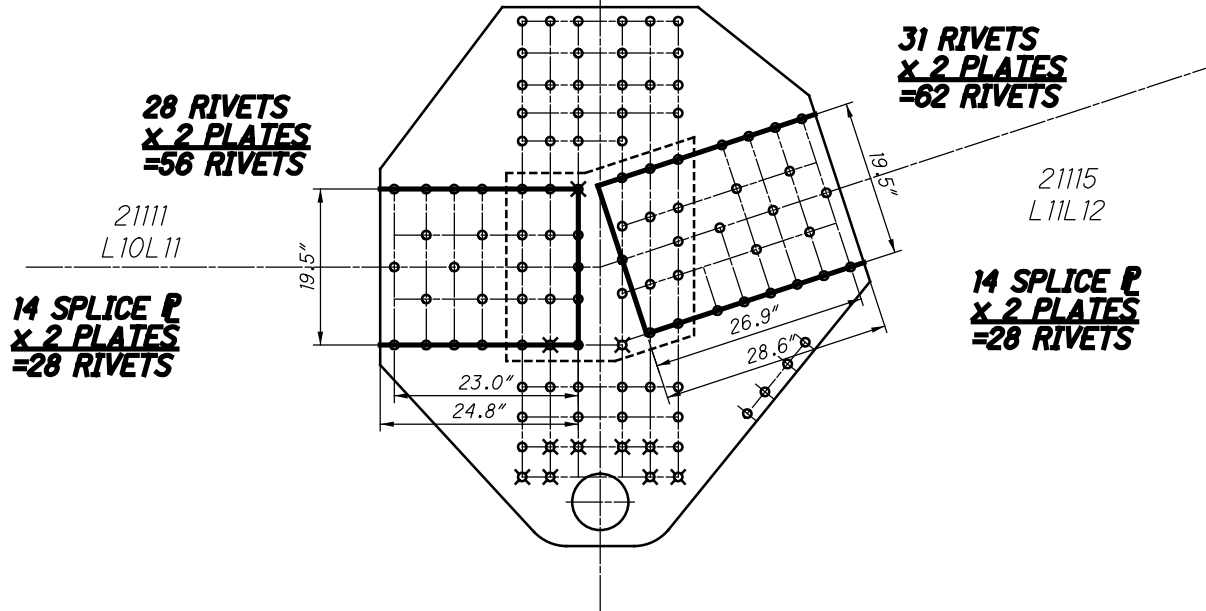
12111 AND 42111



**L111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21113
U11L11

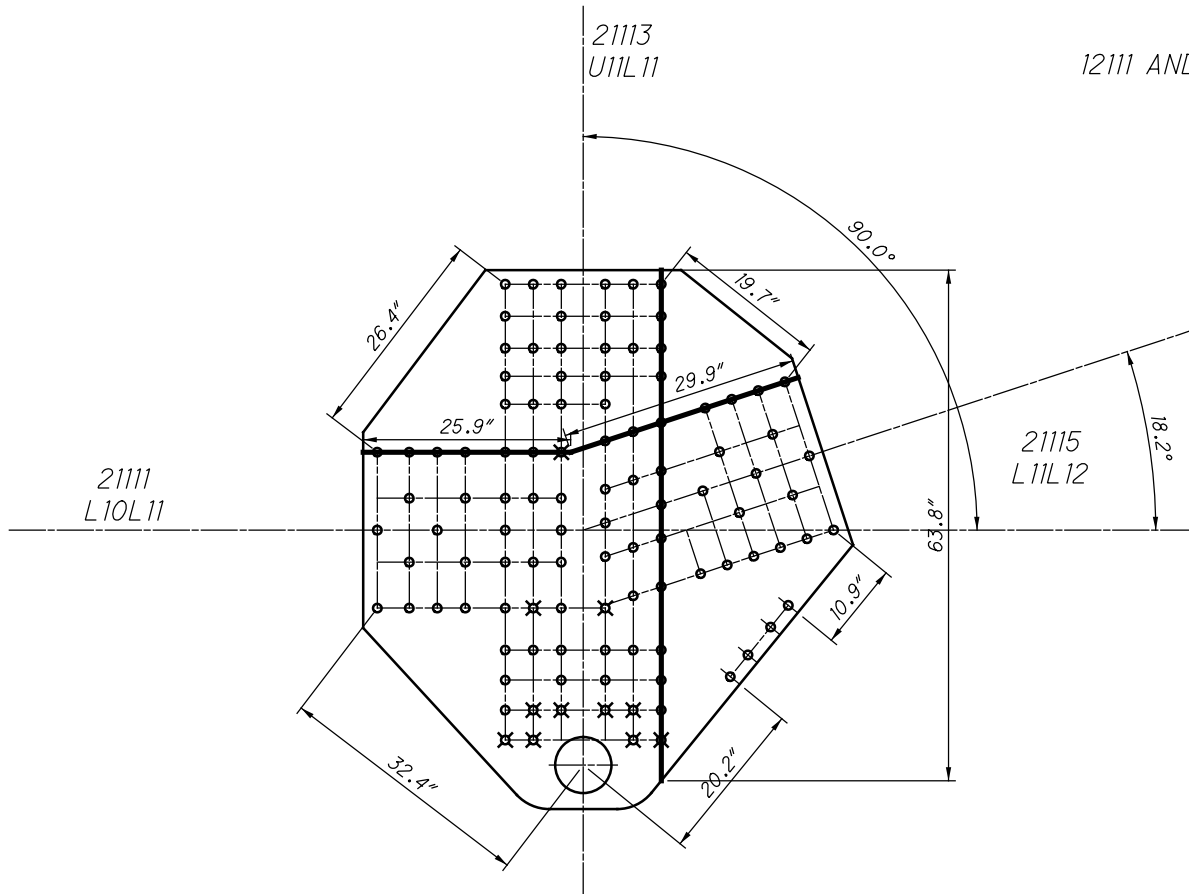
12111 AND 42111



**L111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21113
U11L11

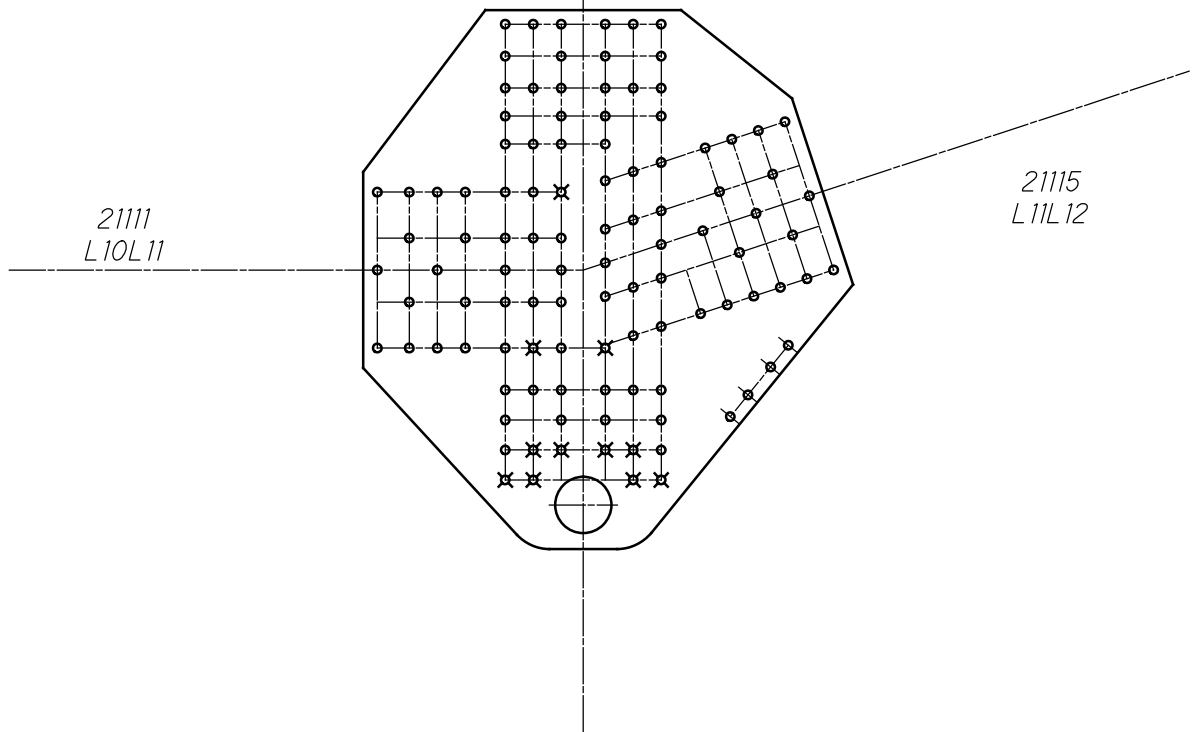
12111 AND 42111



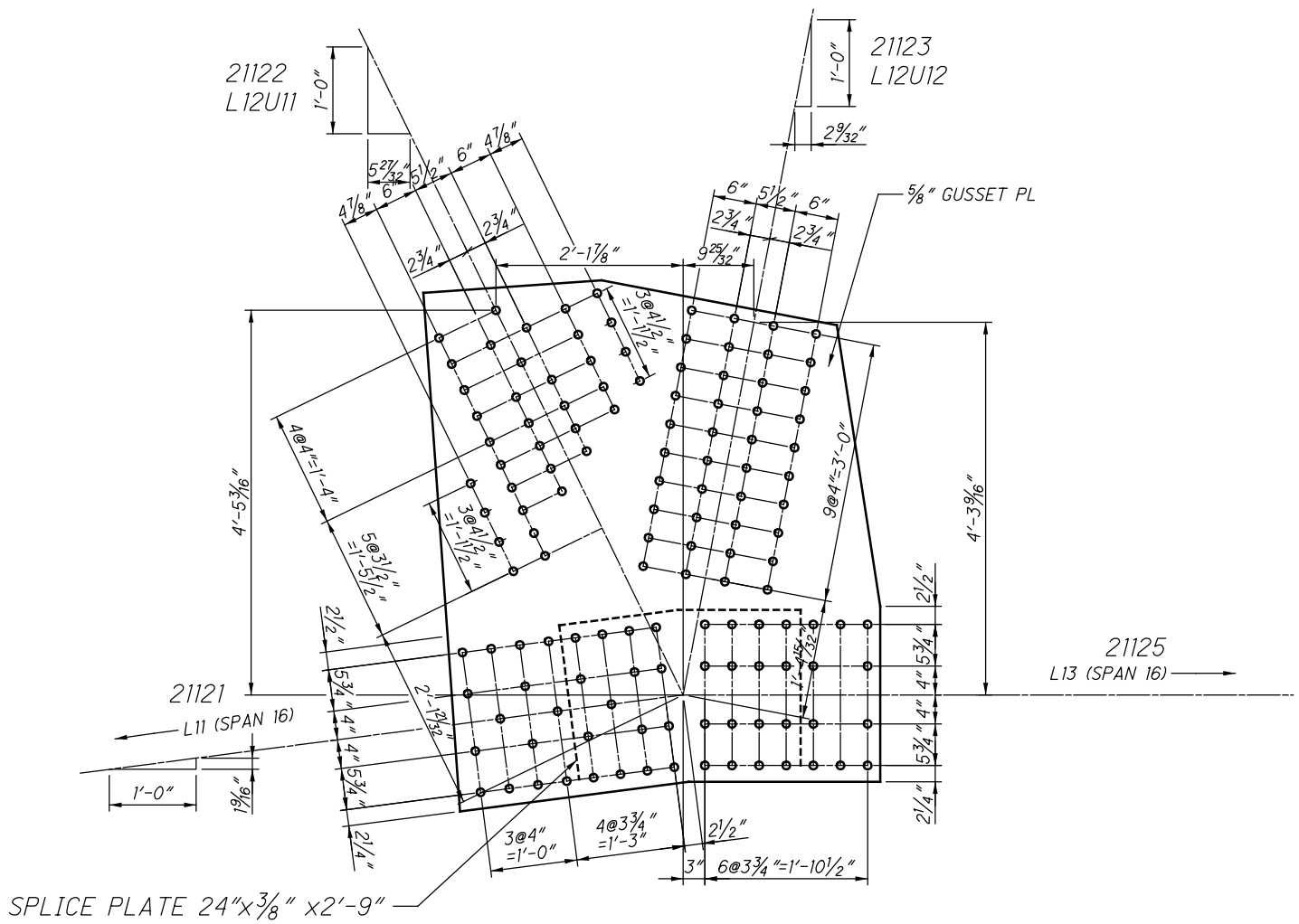
**L111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

21113
U11L11

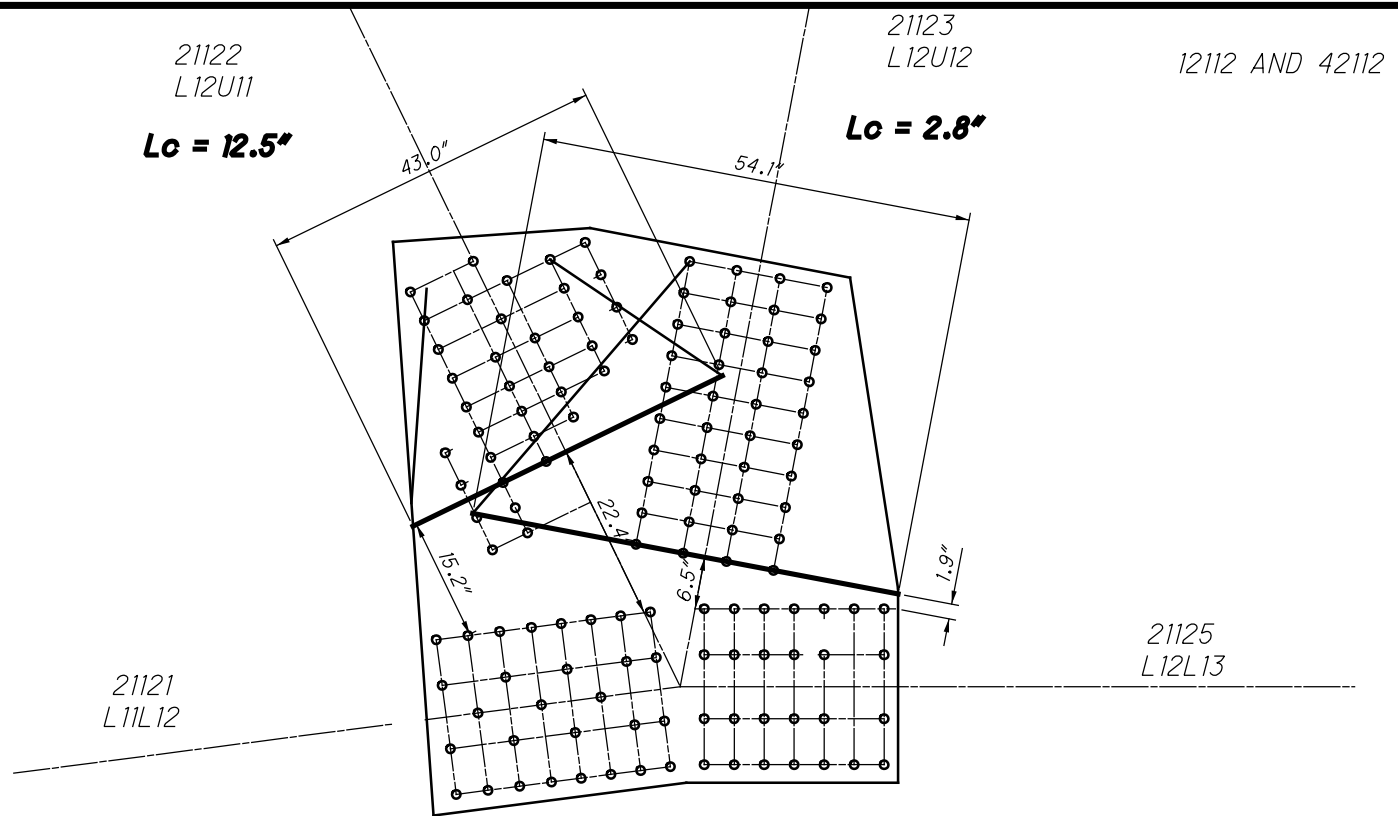
12111 AND 42111



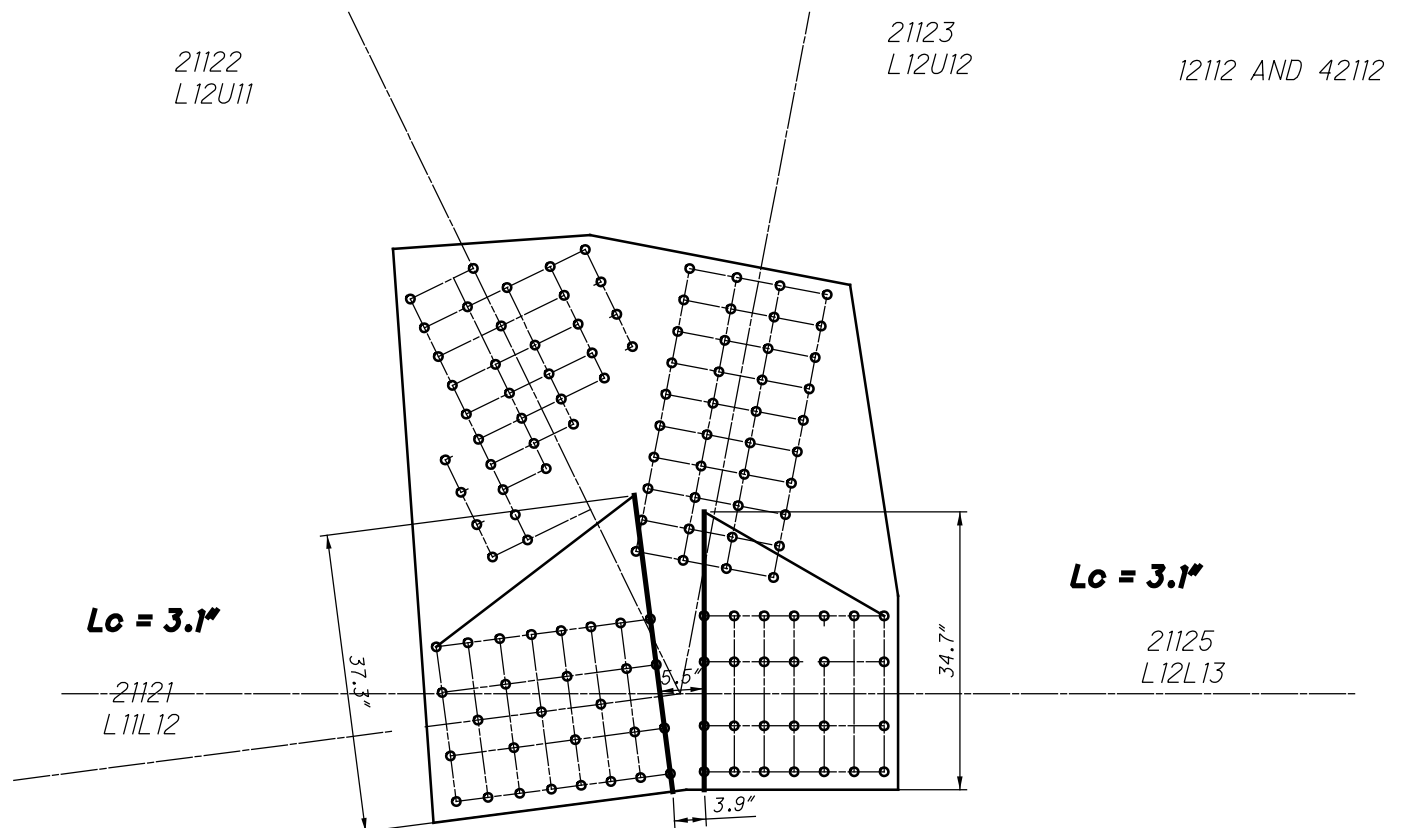
**L111 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**L112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**L112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21122
L12U11

21123
L12U12

12112 AND 42112

**28 RIVETS
x 2 PLATES
=56 RIVETS**

**40 RIVETS
x 2 PLATES
=80 RIVETS**

**29 RIVETS
x 2 PLATES
=58 RIVETS**

**26 RIVETS
x 2 PLATES
=52 RIVETS**

21121
L11L12

21125
L12L13

**15 SPLICE P
x 2 PLATES
=30 RIVETS**

**16 SPLICE P
x 2 PLATES
=32 RIVETS**

**L112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21122
L12U11

21123
L12U12

12112 AND 42112

21121
L11L12

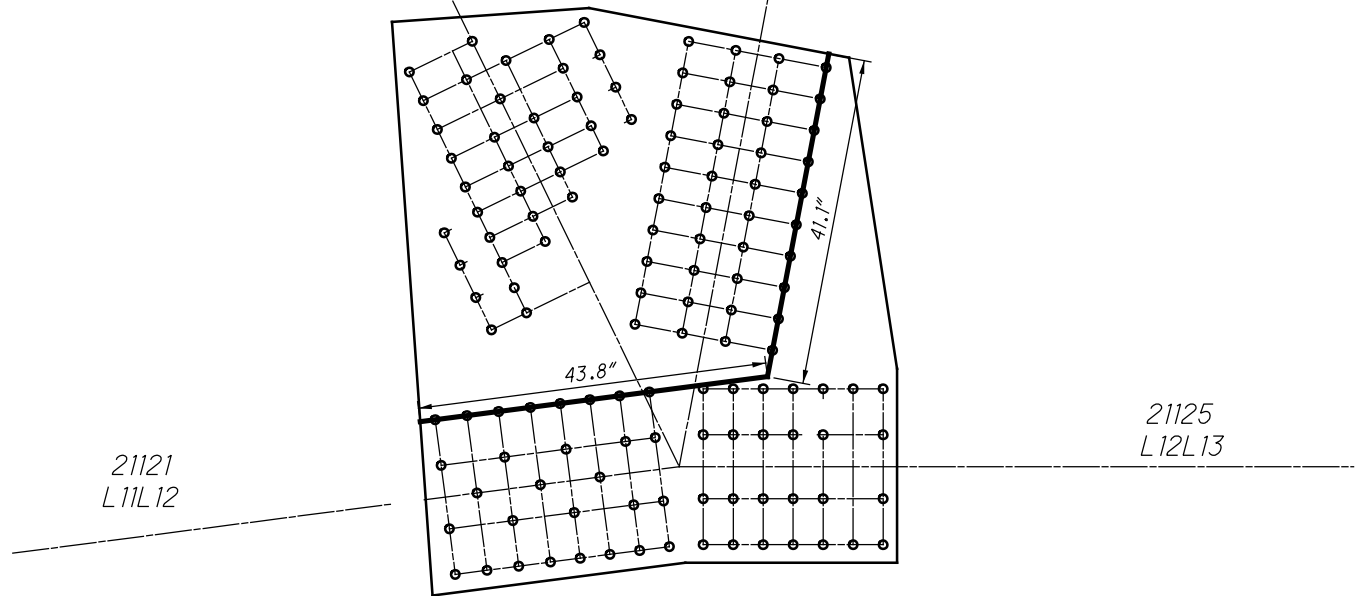
21125
L12L13

**L112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE
SHEAR AND FREE EDGE CHECK**

21122
L12U11

21123
L12U12

12112 AND 42112



**L112 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE
QUADRANT DIMENSIONS)**

**L113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21132
L13U12

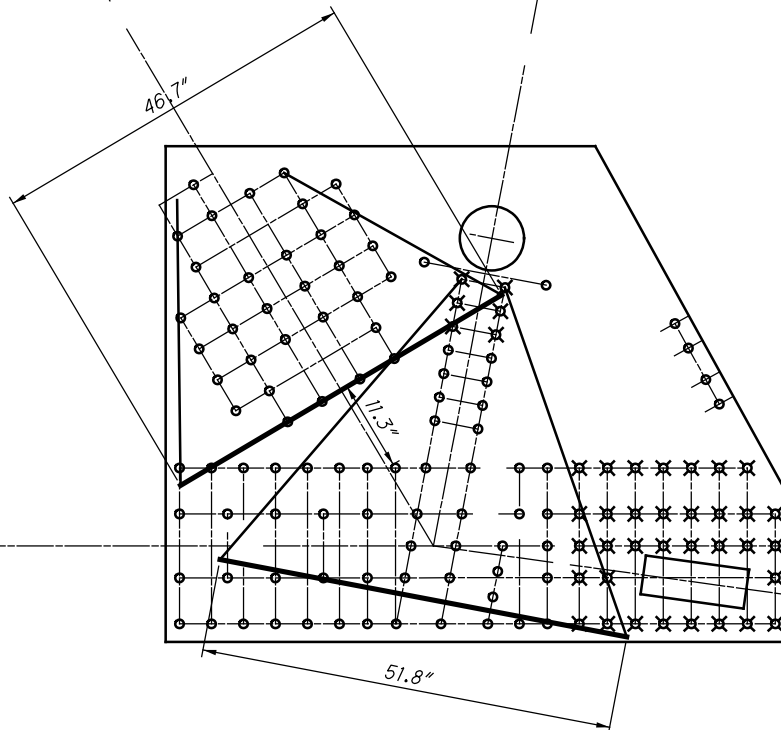
21133
L13U13

12113 AND 42113

$L_c = 3.8''$

21131
L12L13

21135
L13L1



**L113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21132
L13U12

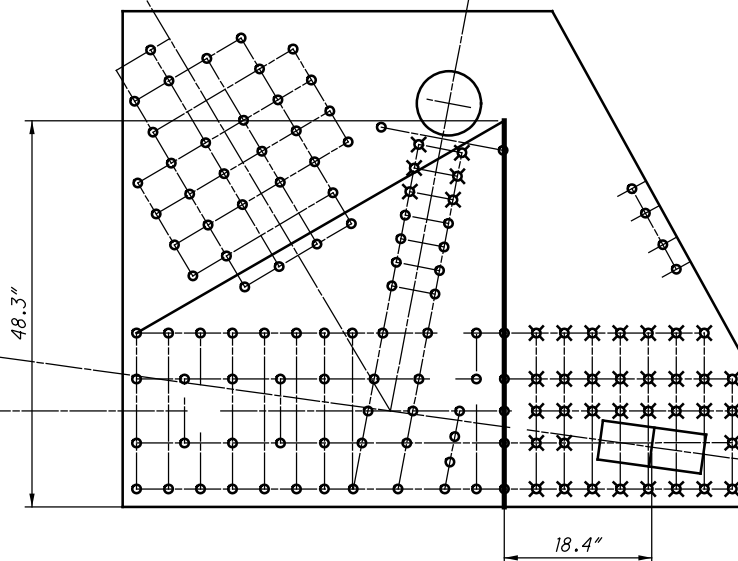
21133
L13U13

12113 AND 42113

$L_c = 18.4''$

21131
L12L13

21135
L13L1



**L113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21132
L13U12

21133
L13U13

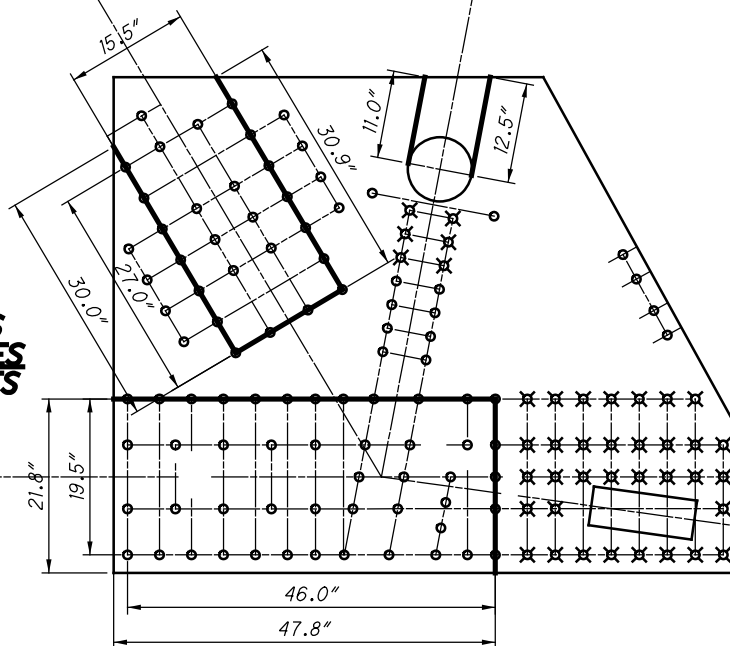
12113 AND 42113

**25 RIVETS
x 2 PLATES
=50 RIVETS**

**47 RIVETS
x 2 PLATES
=94 RIVETS**

21131
L12L13

21135
L13L1



**L113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

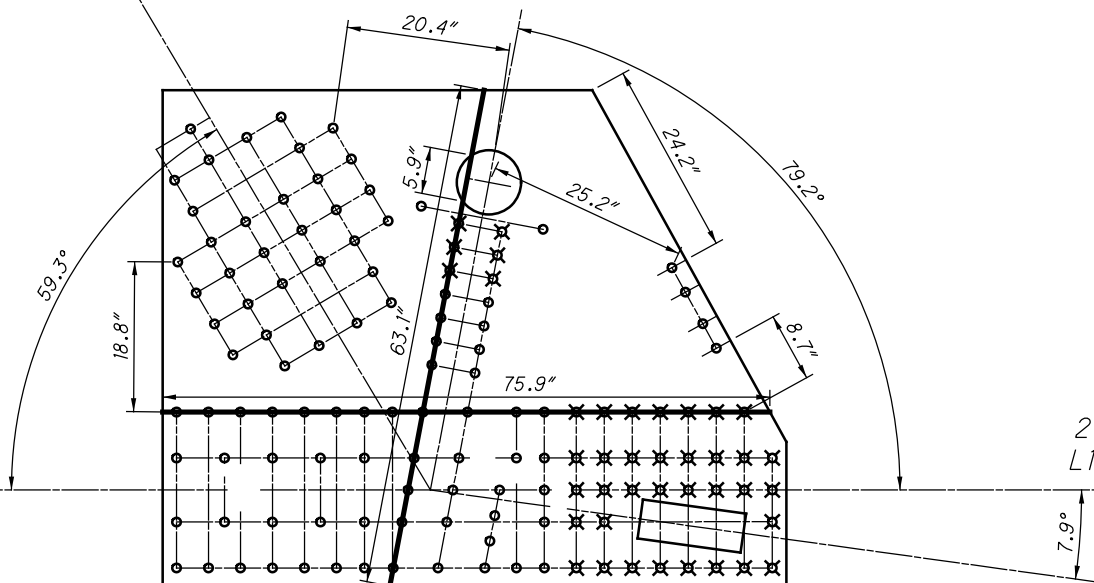
21132
L13U12

21133
L13U13

12113 AND 42113

21131
L12L13

21135
L13L1



**L113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

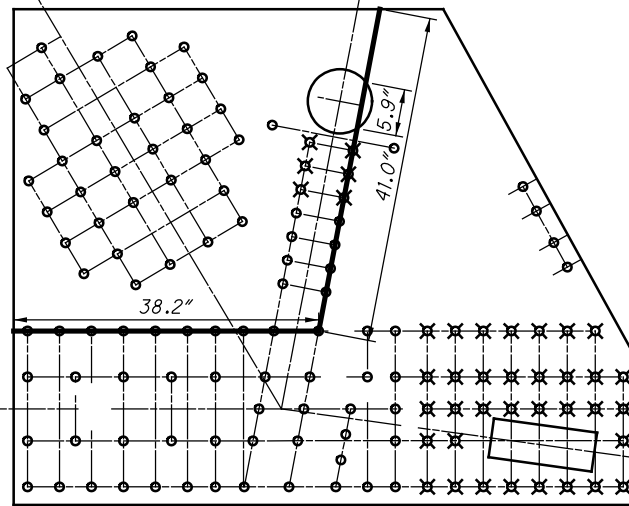
21132
L13U12

21133
L13U13

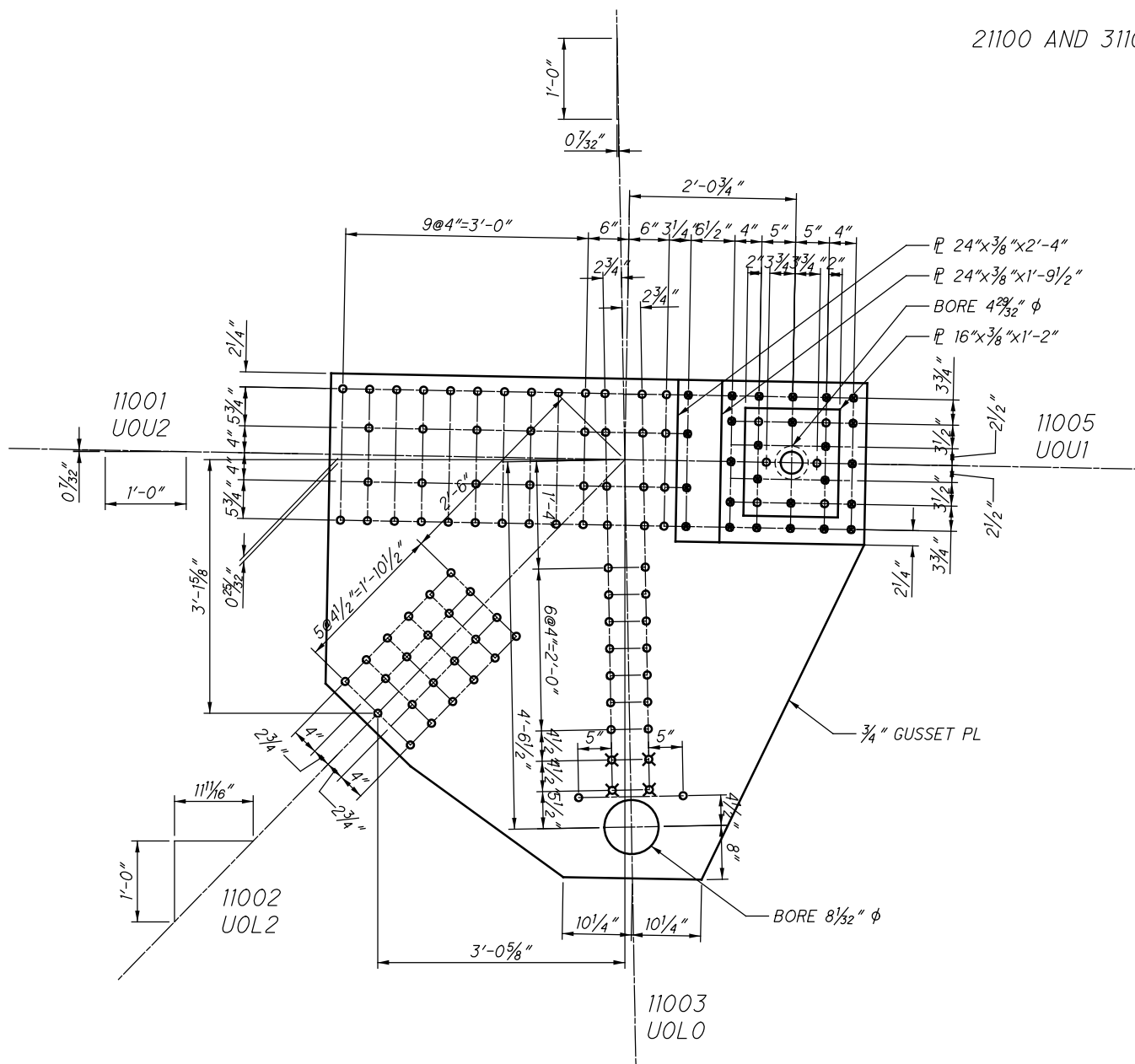
12113 AND 42113

21131
L12L13

21135
L13L1



**L113 OUTSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



21100 AND 31100

11001
UOU2

11005
UOU1

$L_c = 7.7''$

11002
UOL2

11003
UOL0

**U100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21100 AND 31100

11001
UOU2

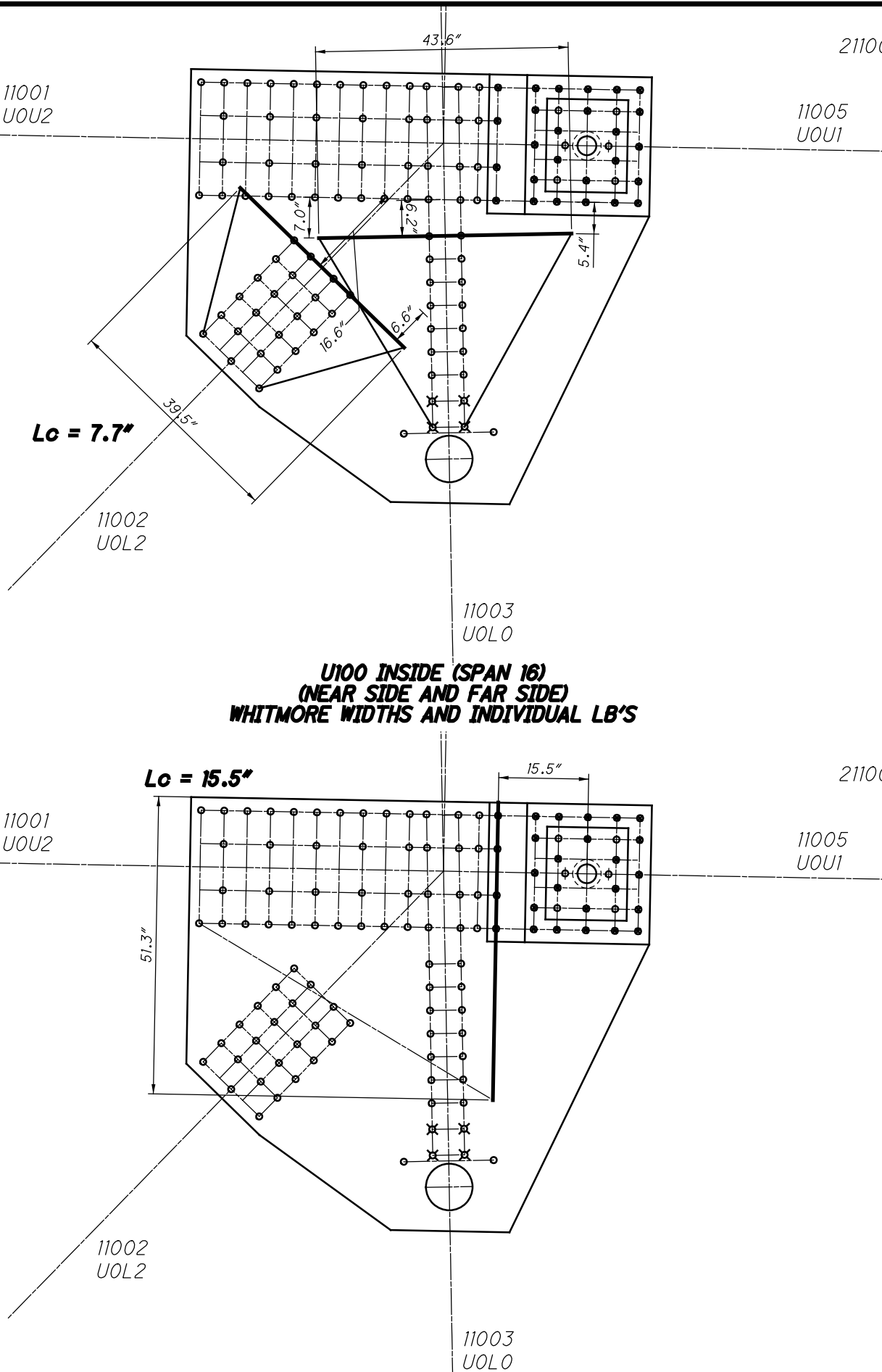
11005
UOU1

$L_c = 15.5''$

11002
UOL2

11003
UOL0

**U100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



21100 AND 31100

11001
UOU2

11005
UOU1

**46 RIVETS
x 2 PLATES
=92 RIVETS**

**23 RIVETS
x 2 PLATES
=46 RIVETS**

11002
UOL2

11003
UOL0

**U100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21100 AND 31100

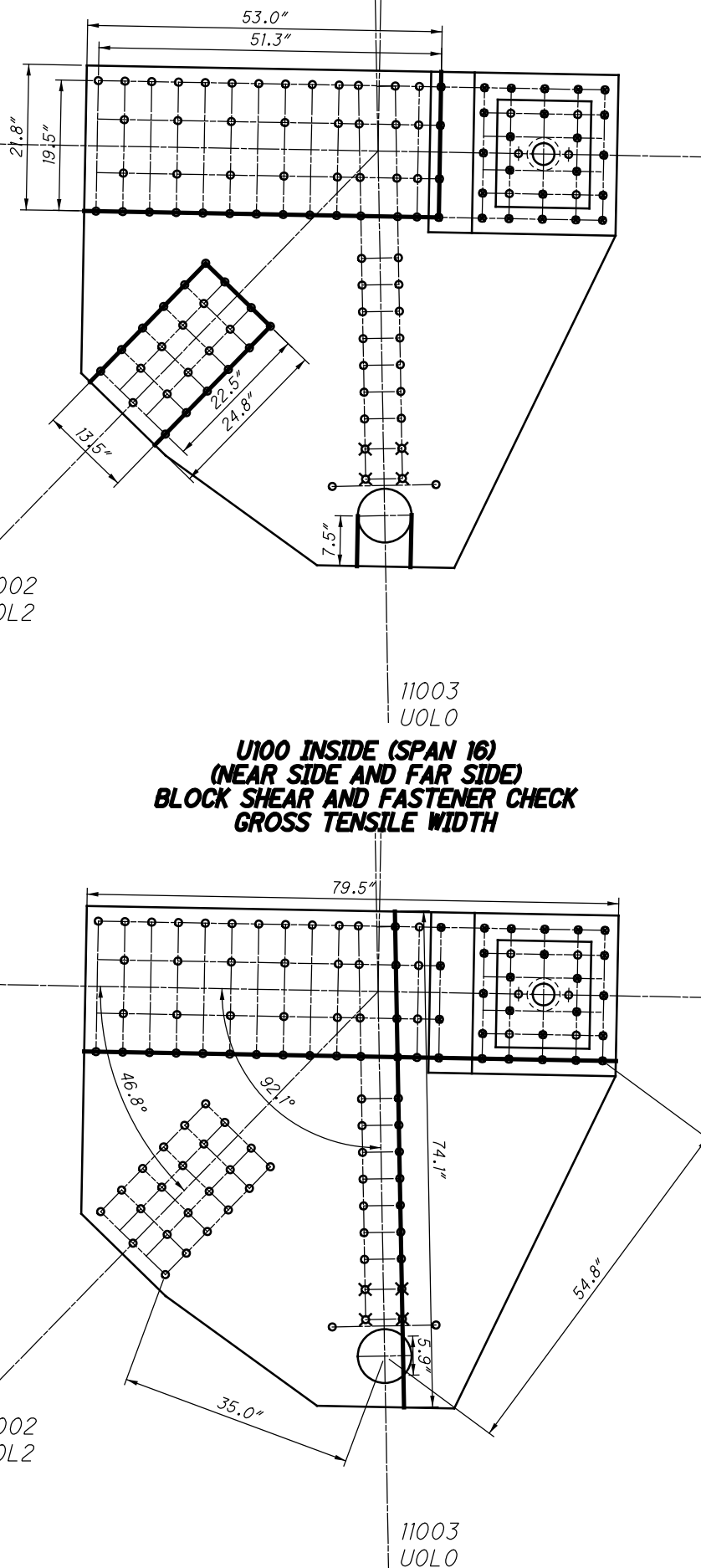
11001
UOU2

11005
UOU1

11002
UOL2

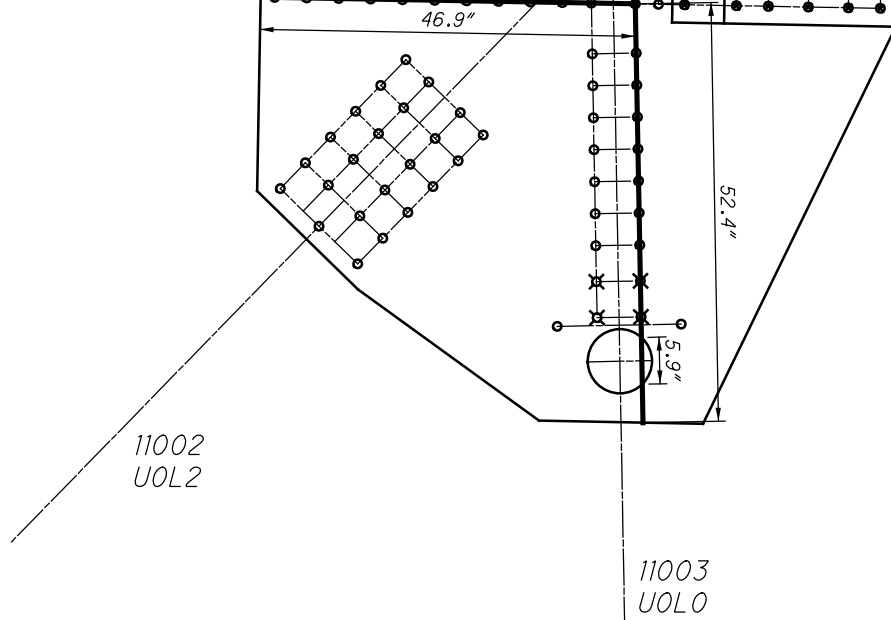
11003
UOL0

**U100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

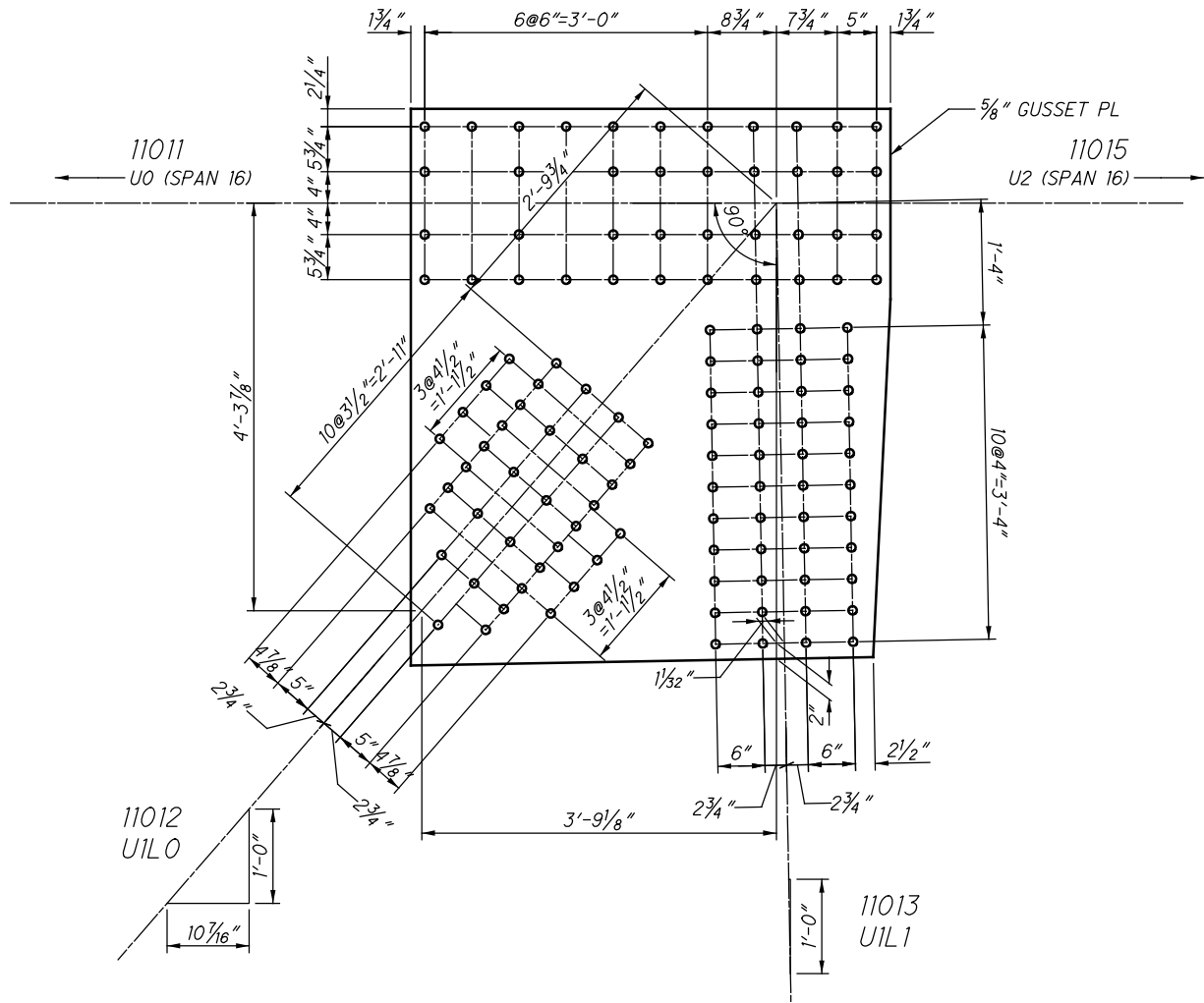


11001
UOU2

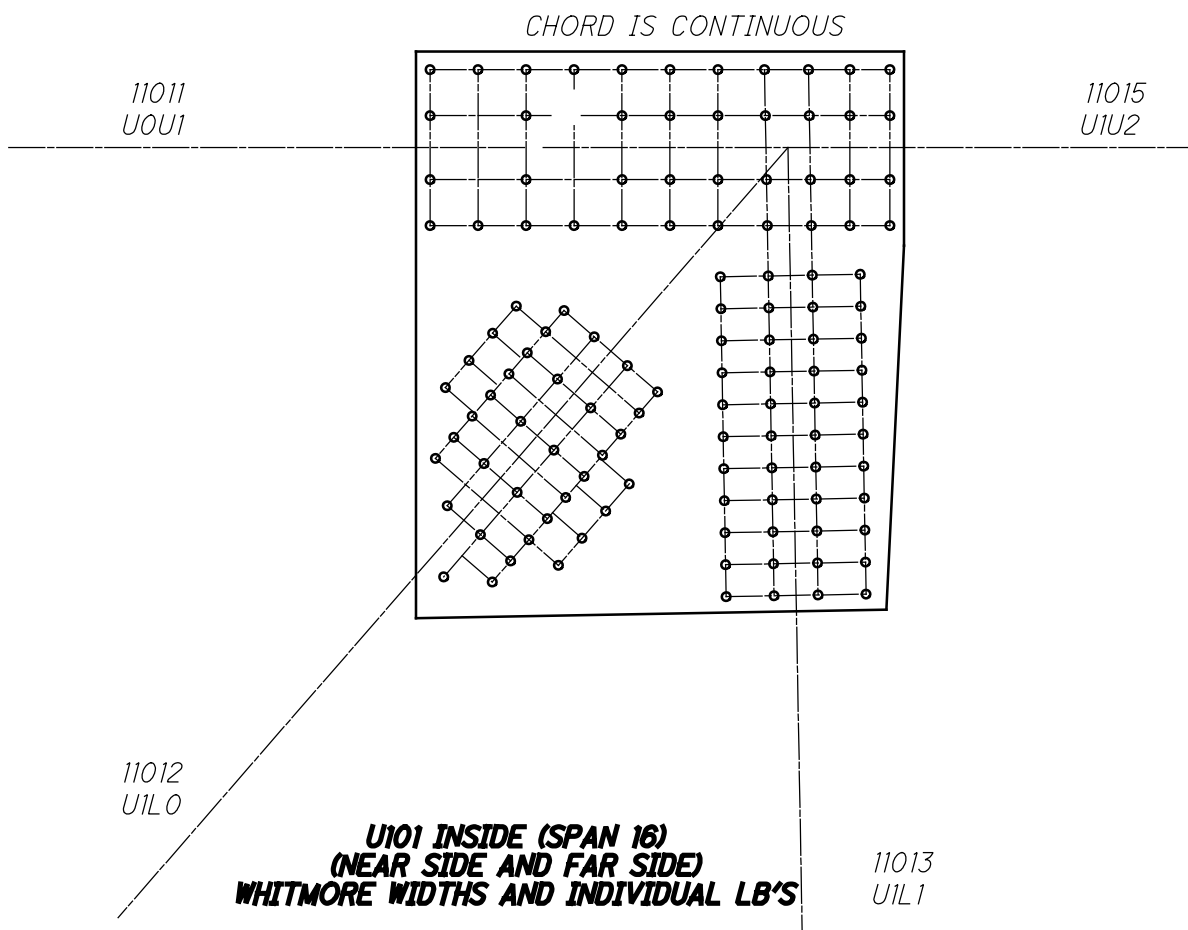
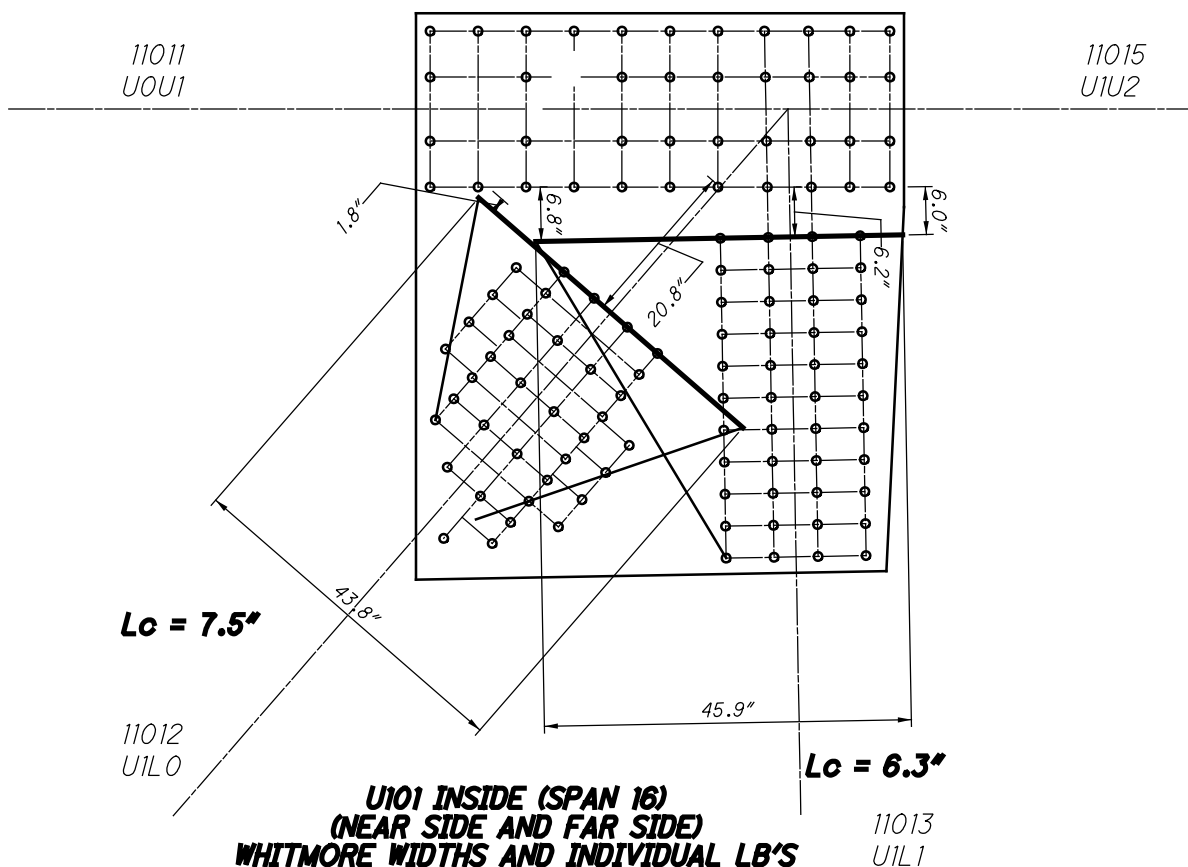
11005
UOU1



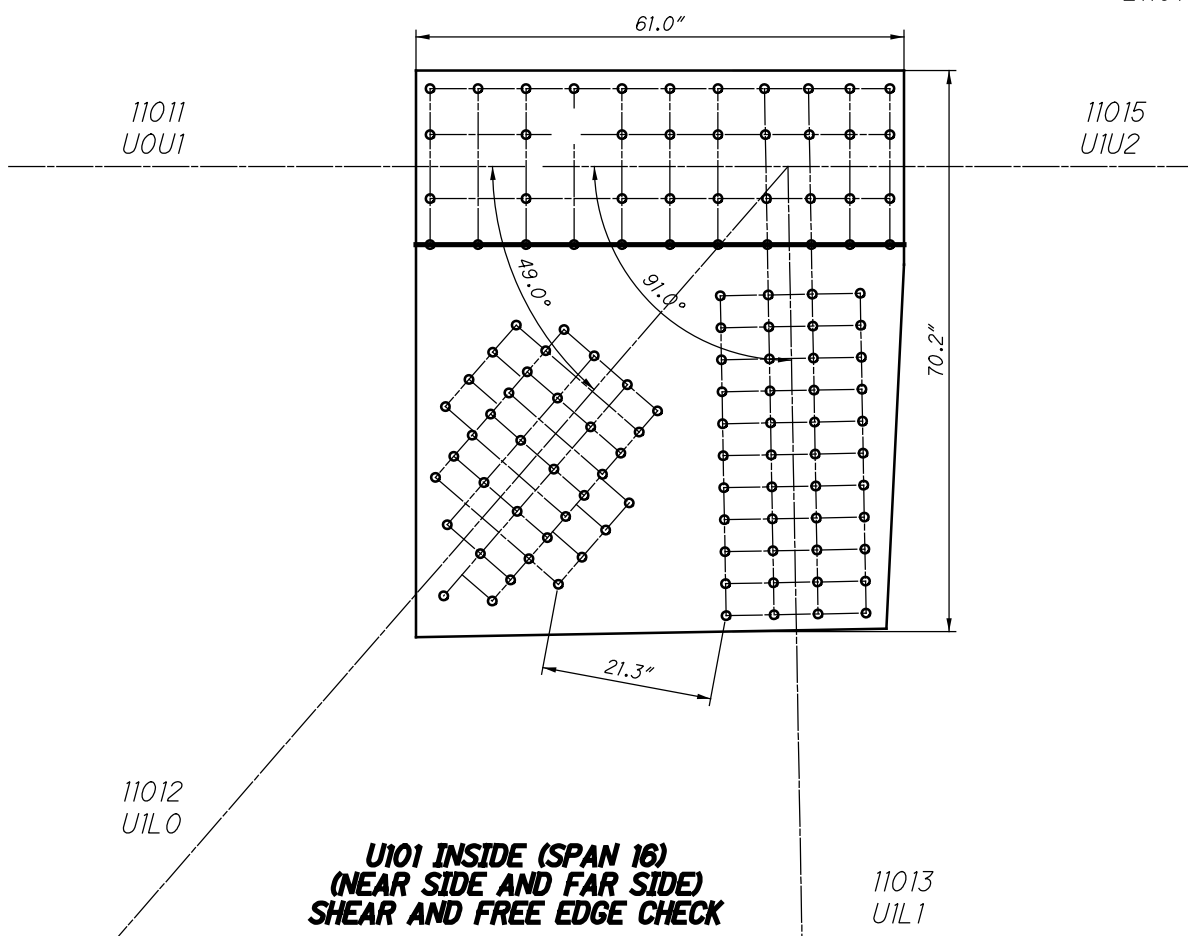
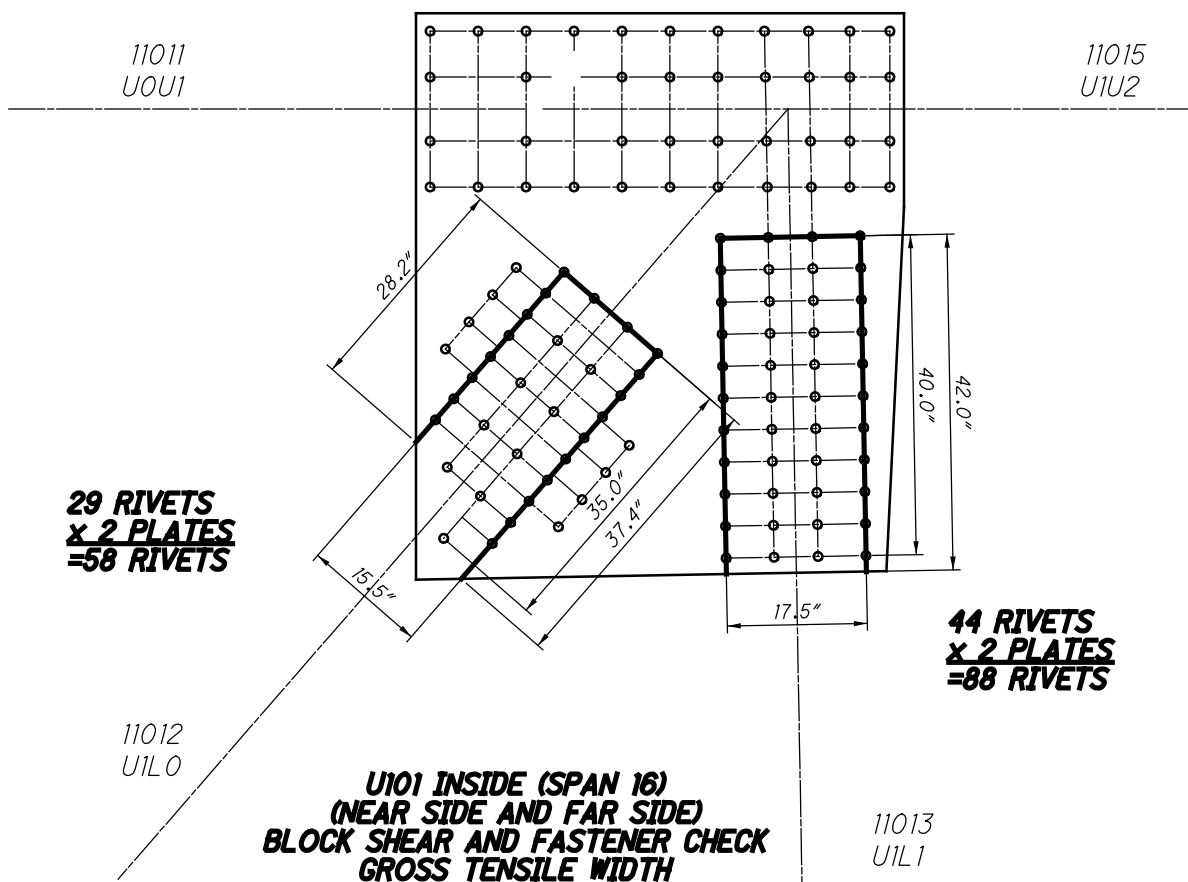
**U100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

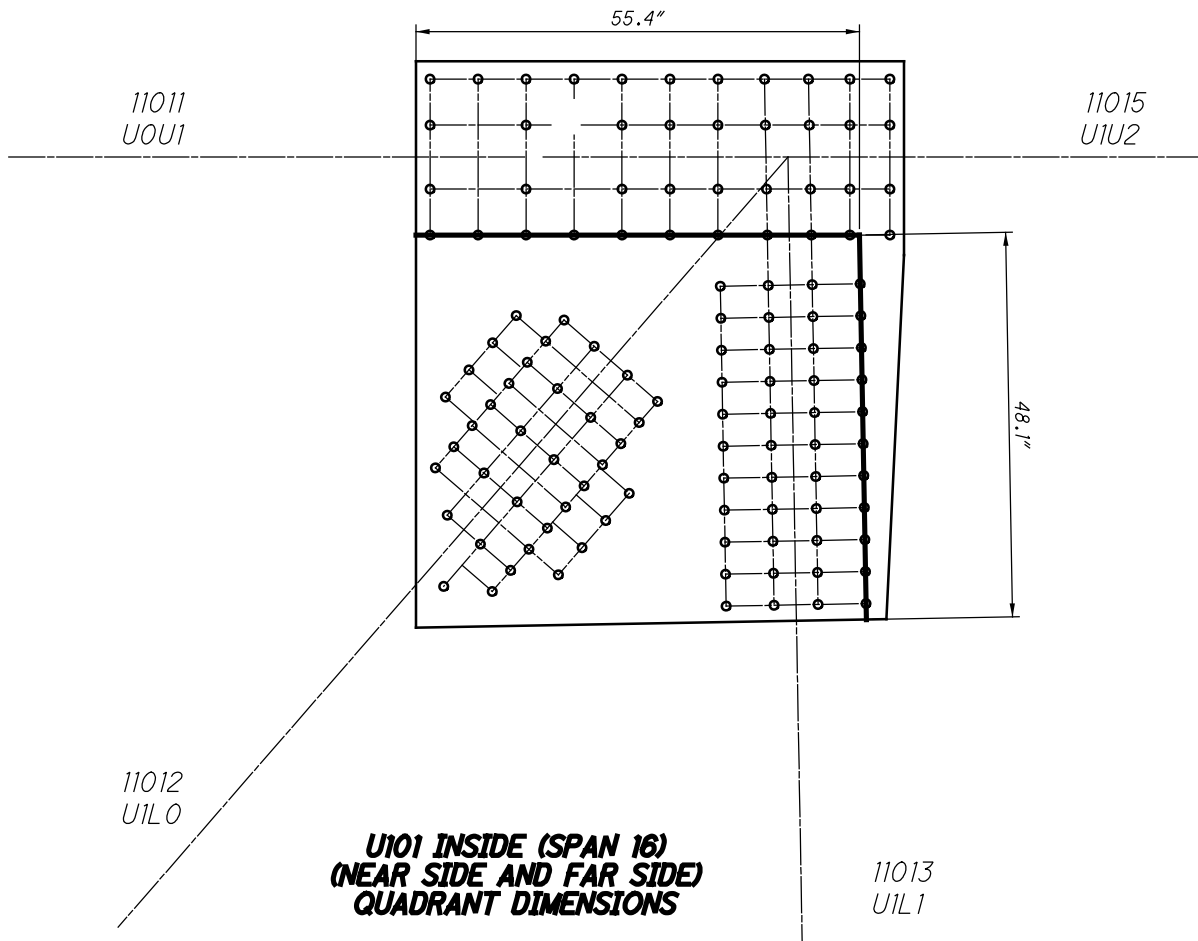


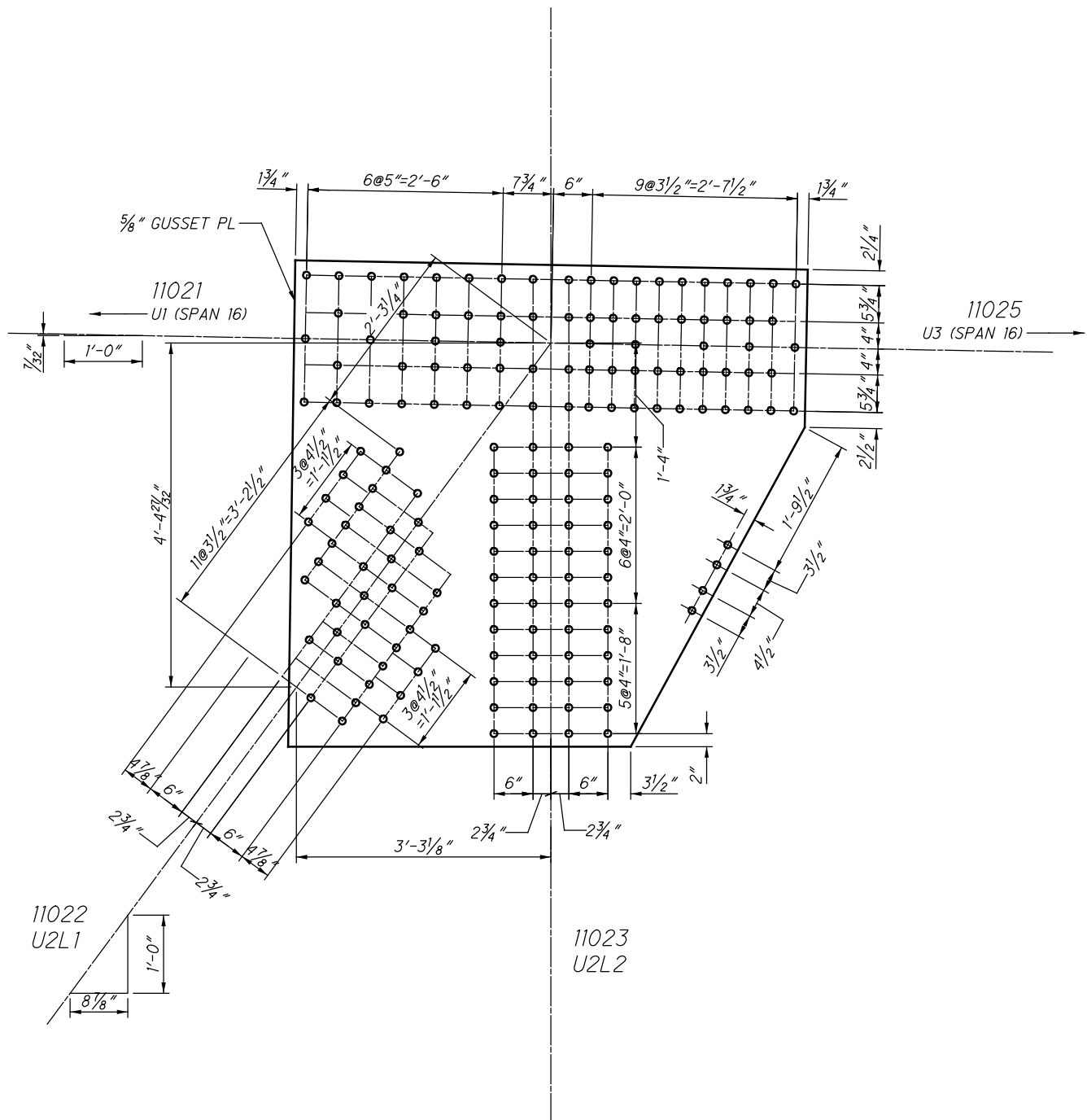
**U01 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



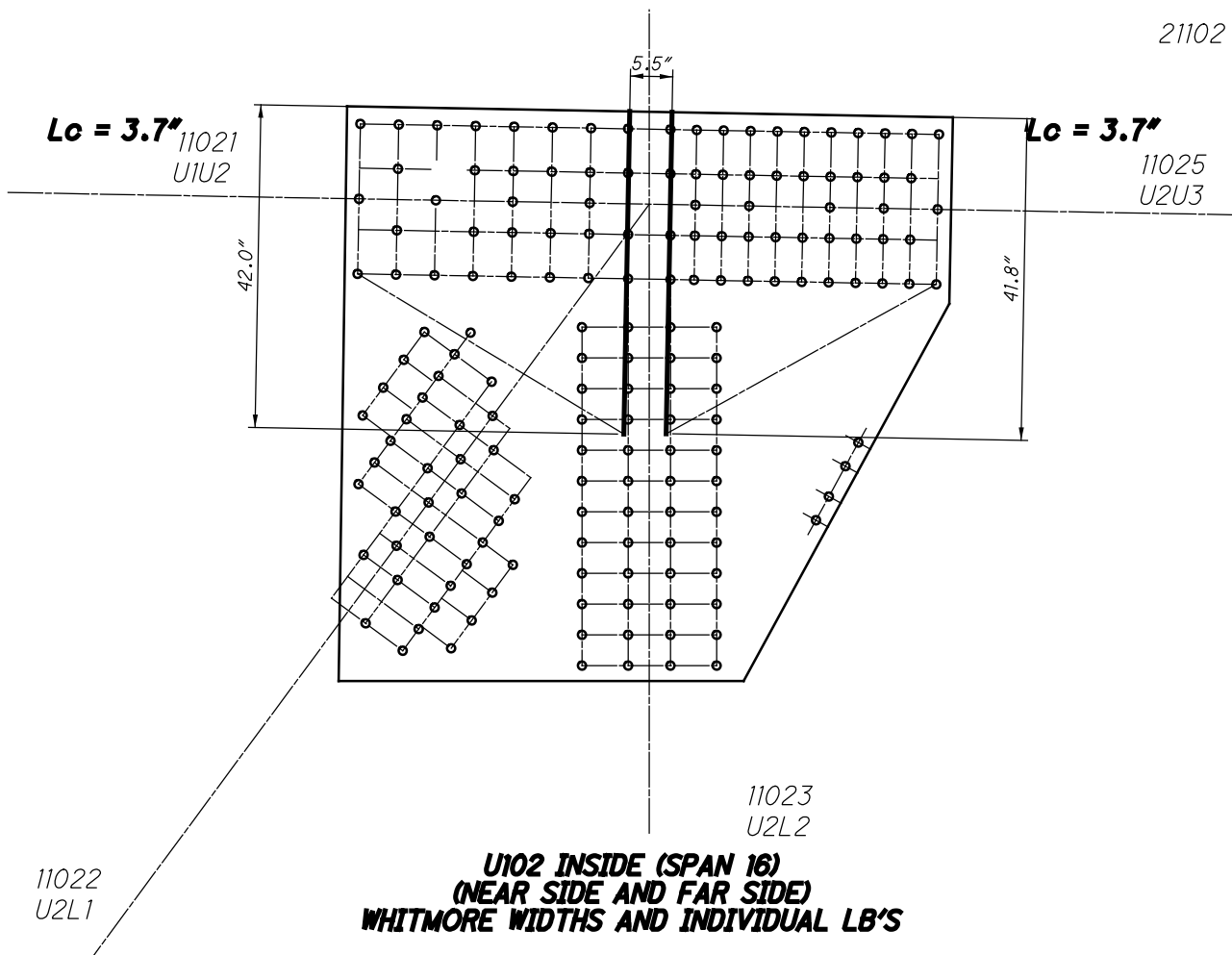
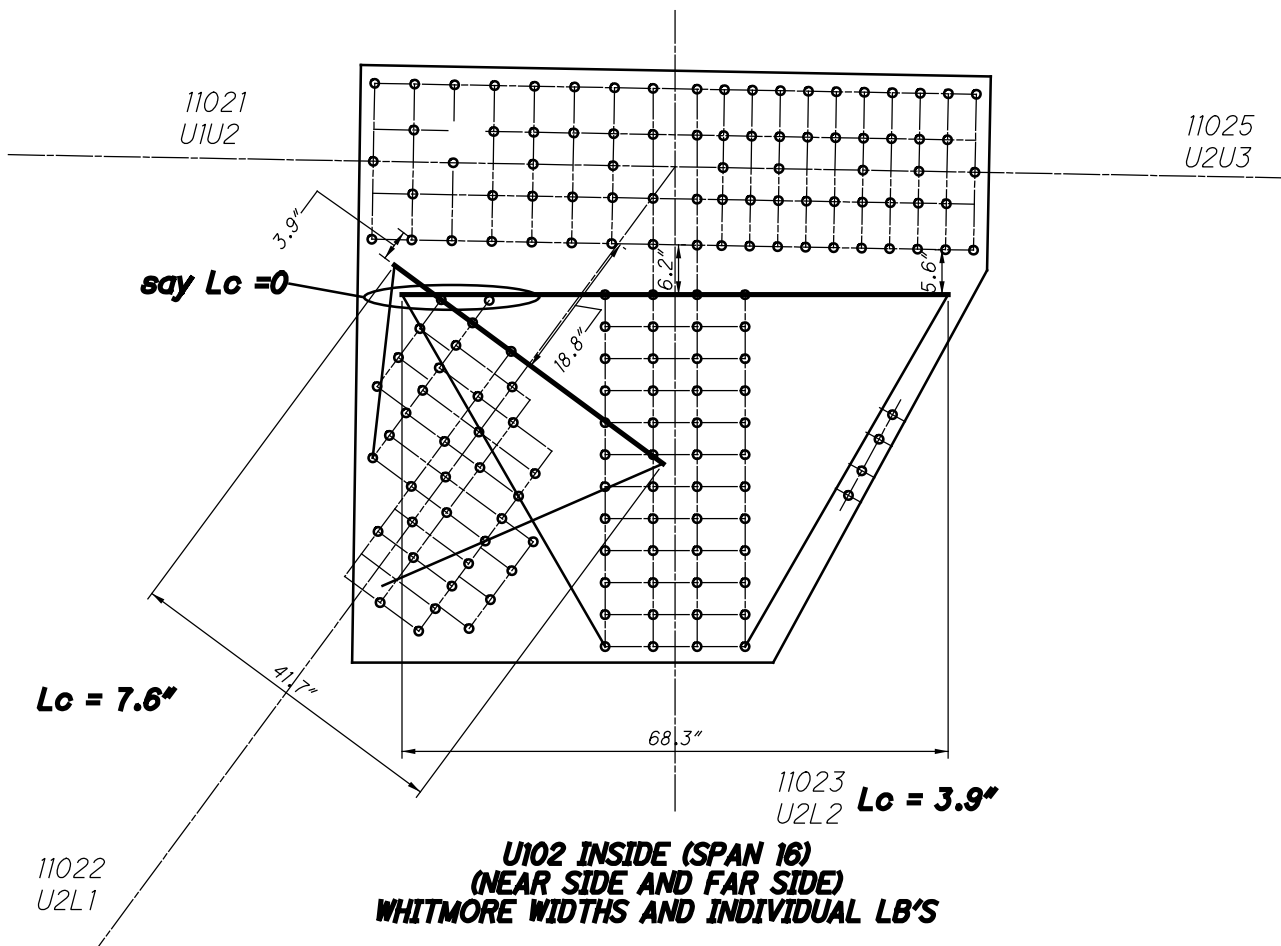
CHORD IS CONTINUOUS







**U102 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



21102 AND 31102

**32 RIVETS
x 2 PLATES
=64 RIVETS**

**47 RIVETS
x 2 PLATES
=94 RIVETS**

11021
U1U2

11025
U2U3

**29 RIVETS
x 2 PLATES
=58 RIVETS**

**48 RIVETS
x 2 PLATES
=96 RIVETS**

11023
U2L2

11022
U2L1

**U102 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21102 AND 31102

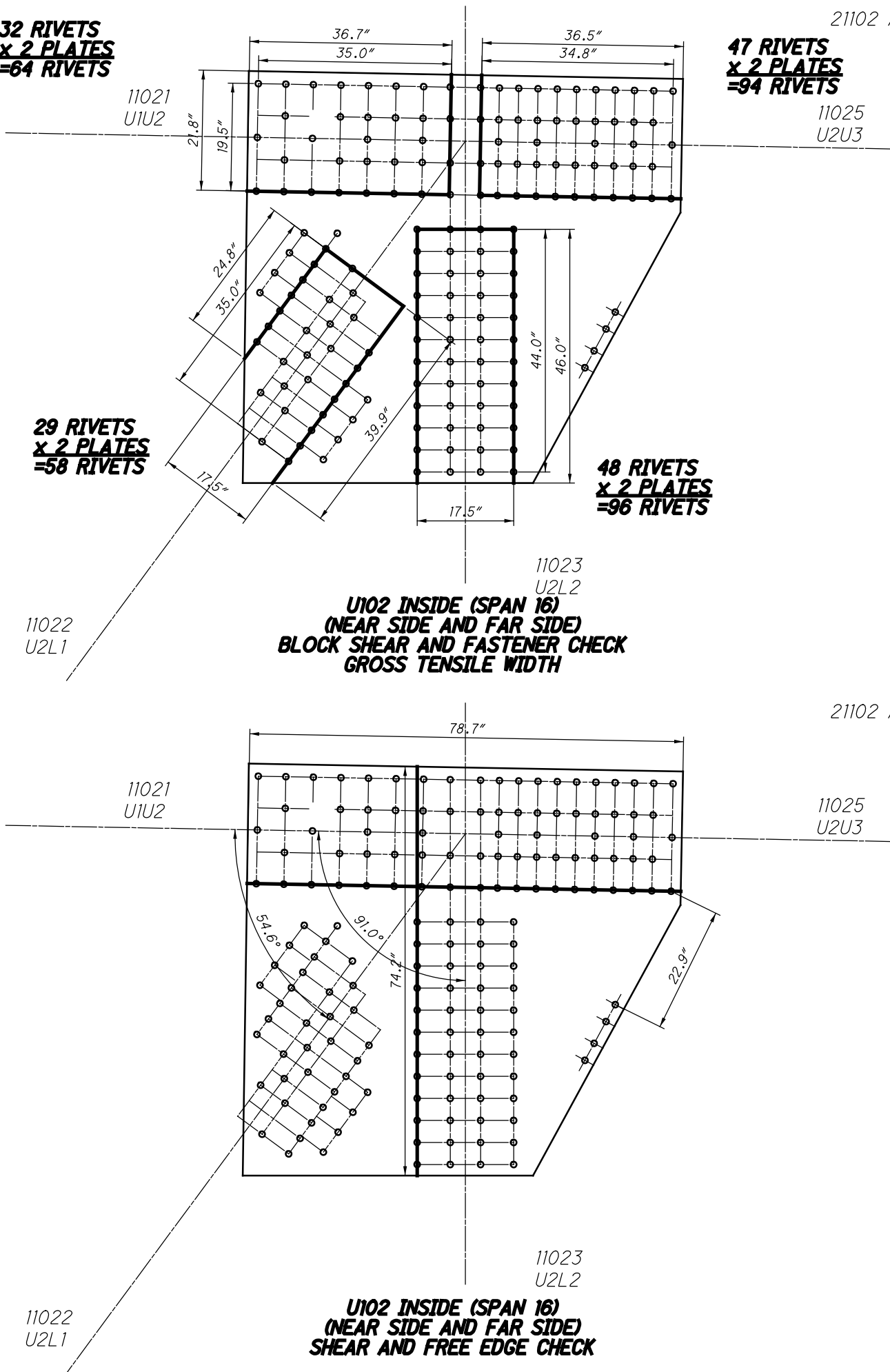
11021
U1U2

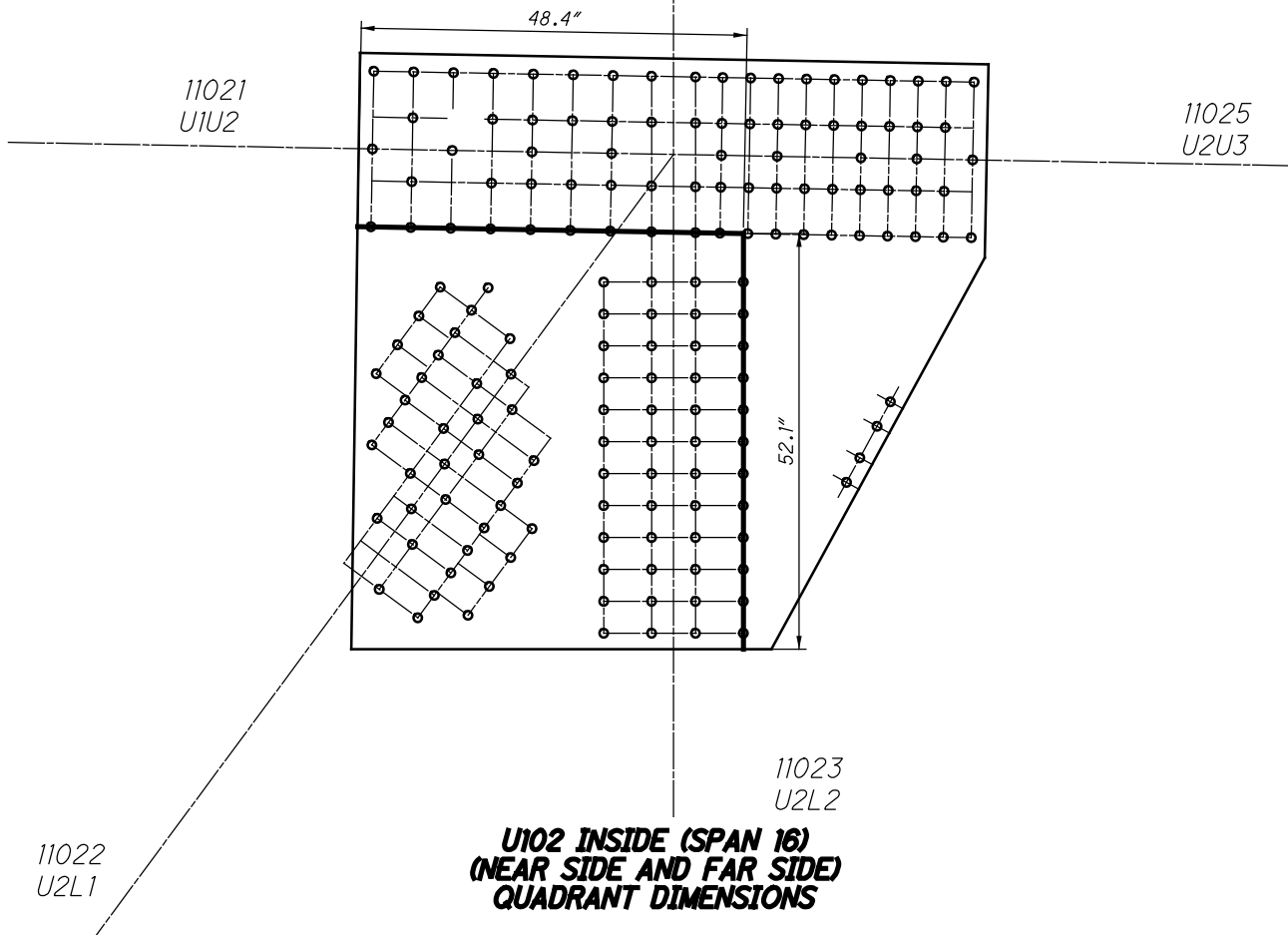
11025
U2U3

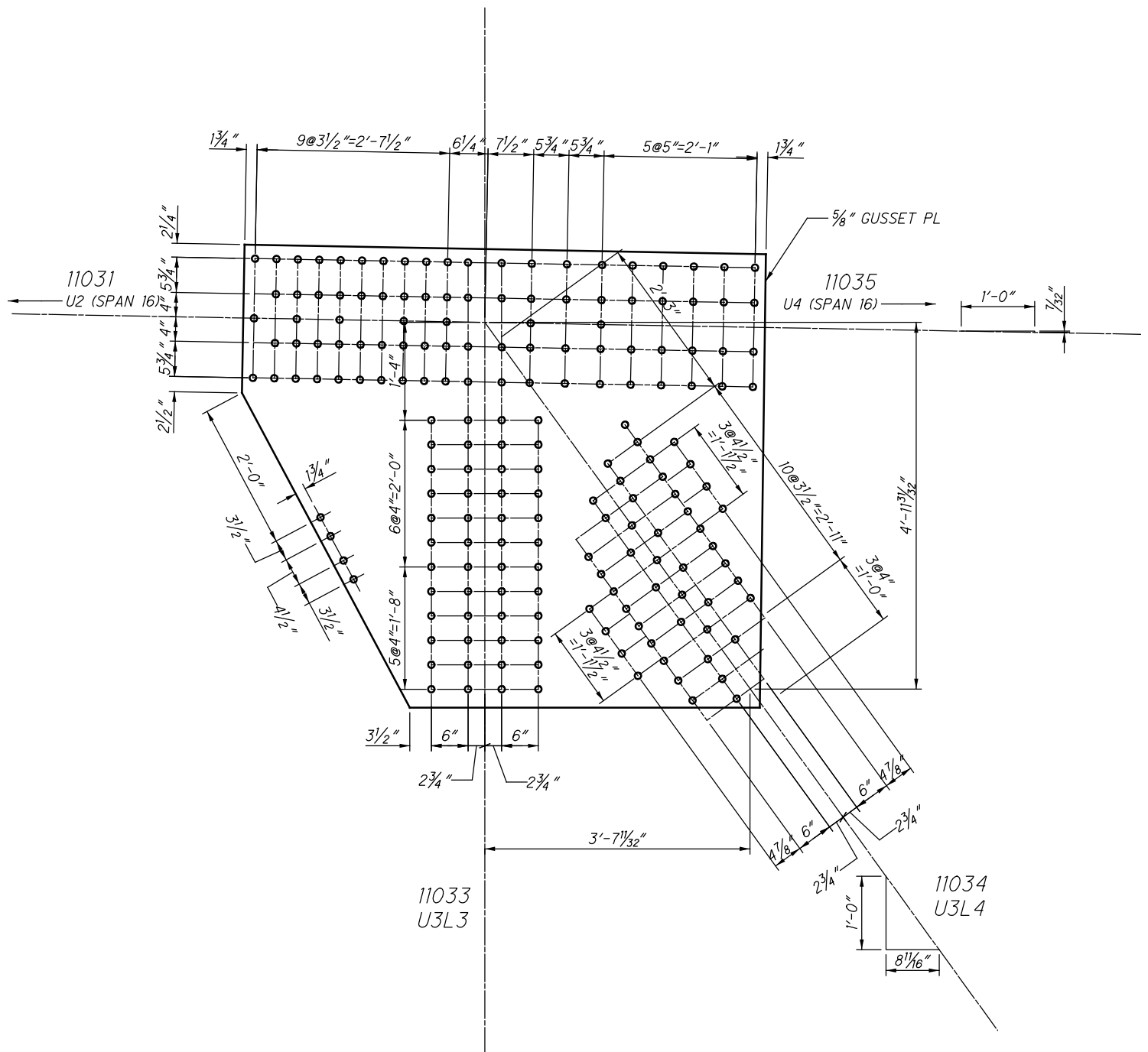
11023
U2L2

11022
U2L1

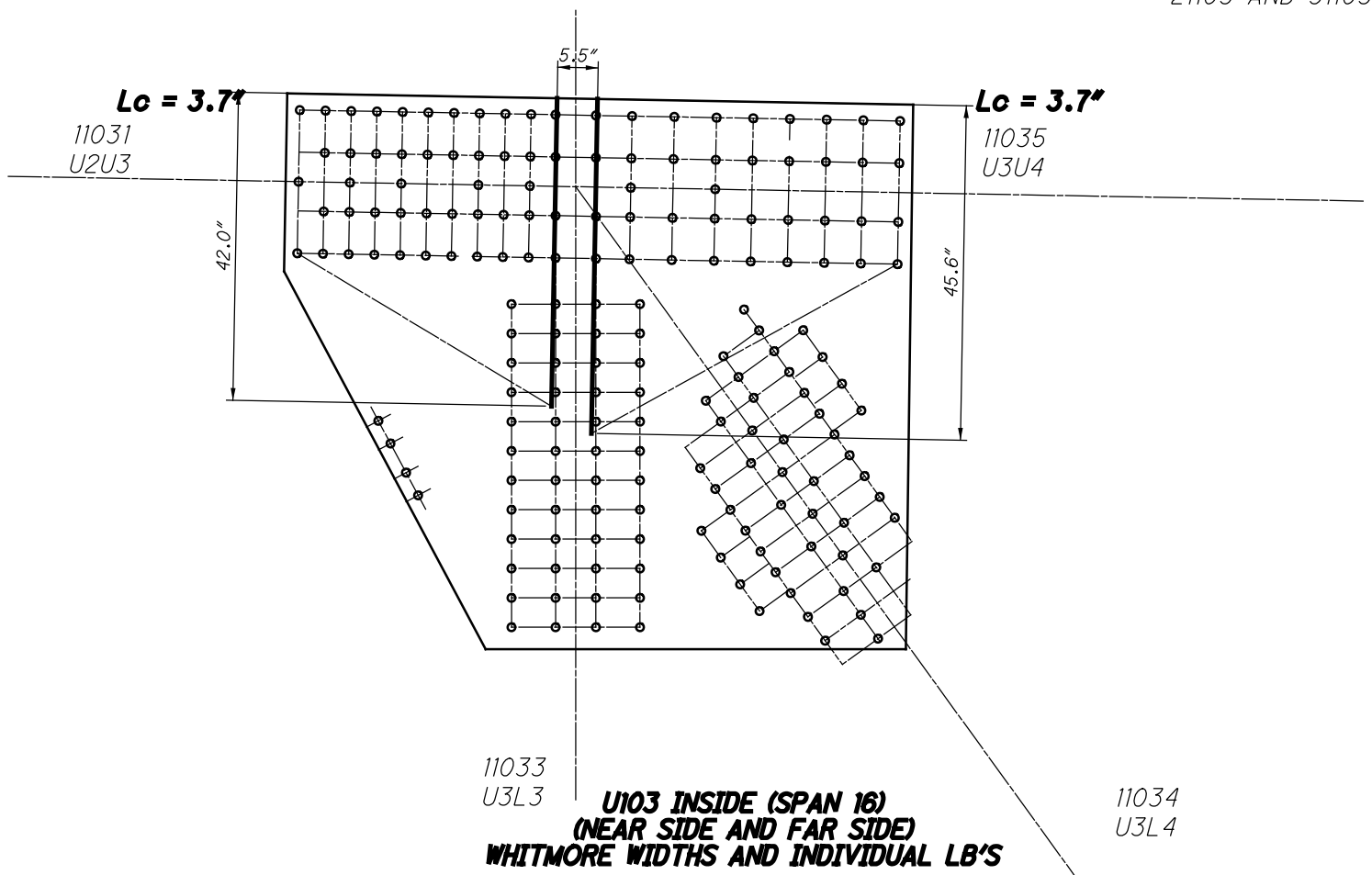
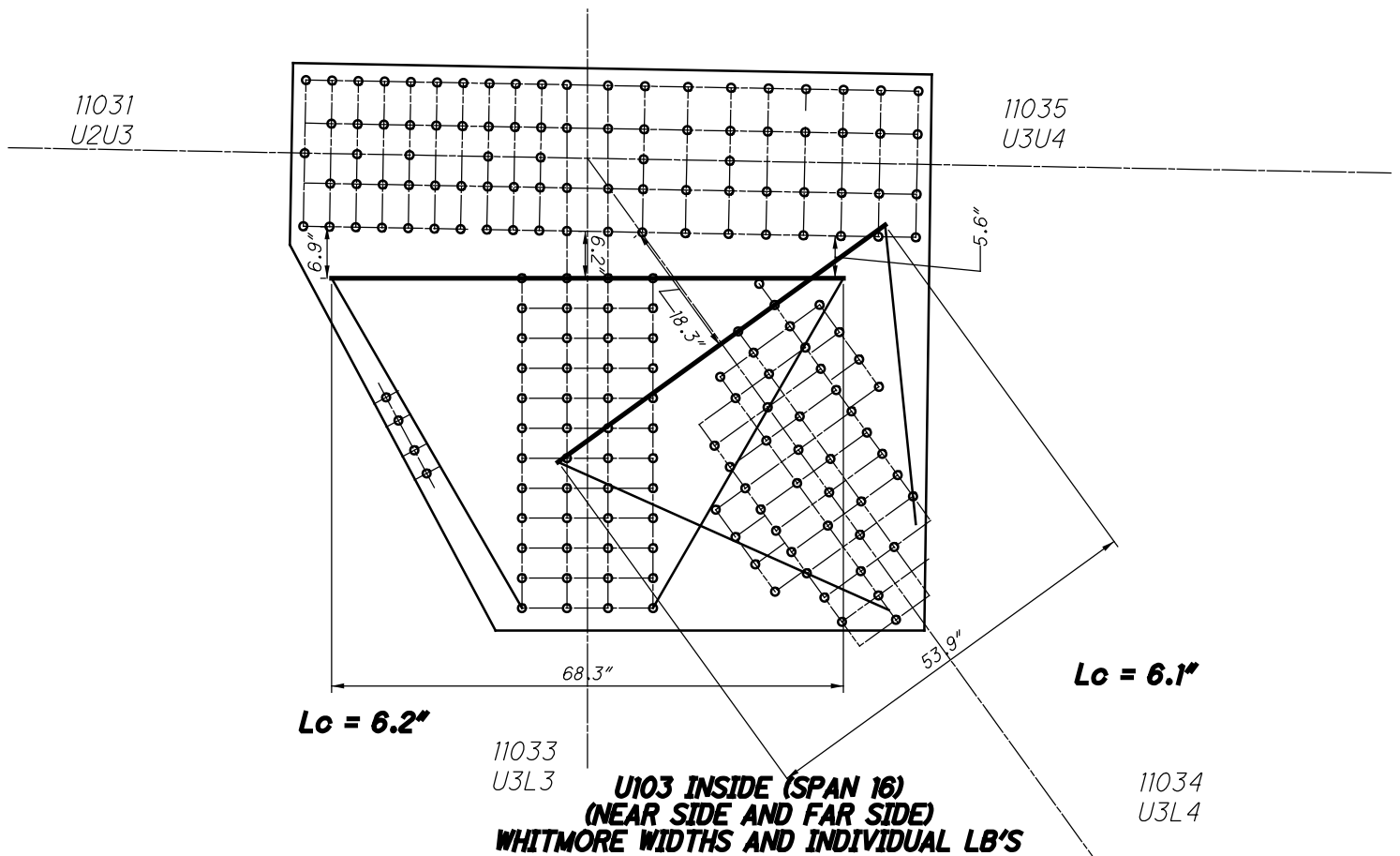
**U102 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**





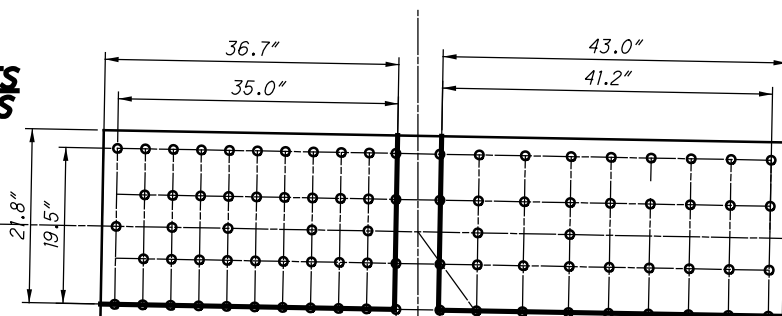


**U103 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**47 RIVETS
x 2 PLATES
=94 RIVETS**

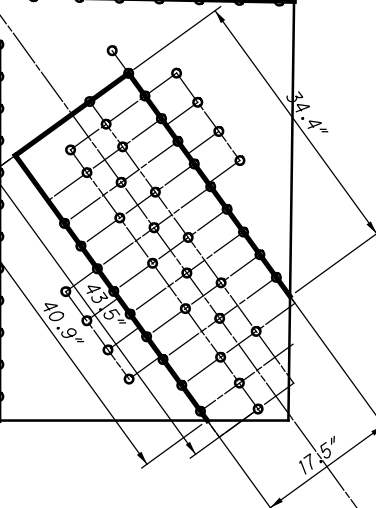
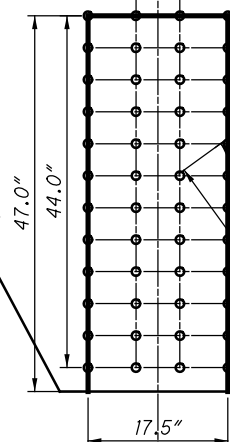
11031
U2U3



11035
U3U4

**38 RIVETS
x 2 PLATES
=76 RIVETS**

**48 RIVETS
x 2 PLATES
=96 RIVETS**



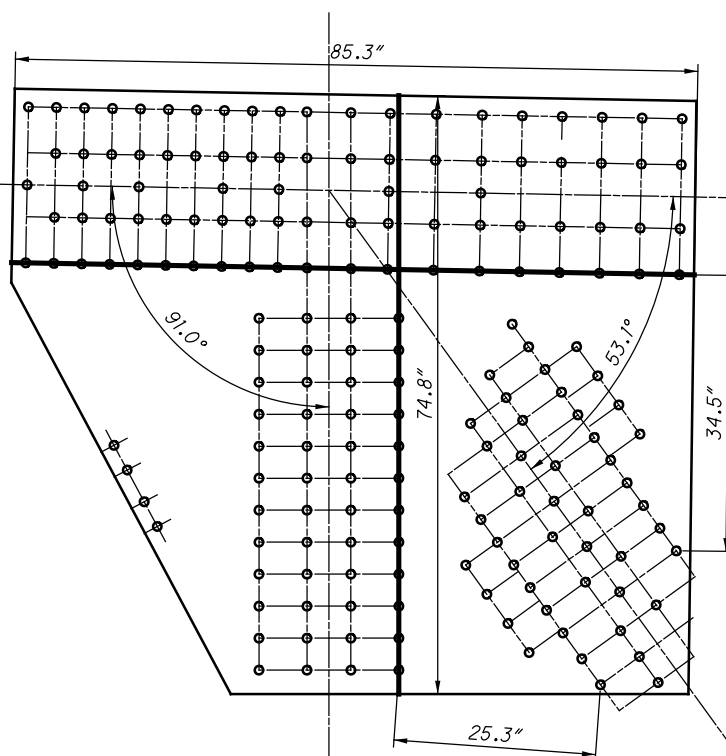
**39 RIVETS
x 2 PLATES
=78 RIVETS**

11033
U3L3

**U103 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11034
U3L4

11031
U2U3

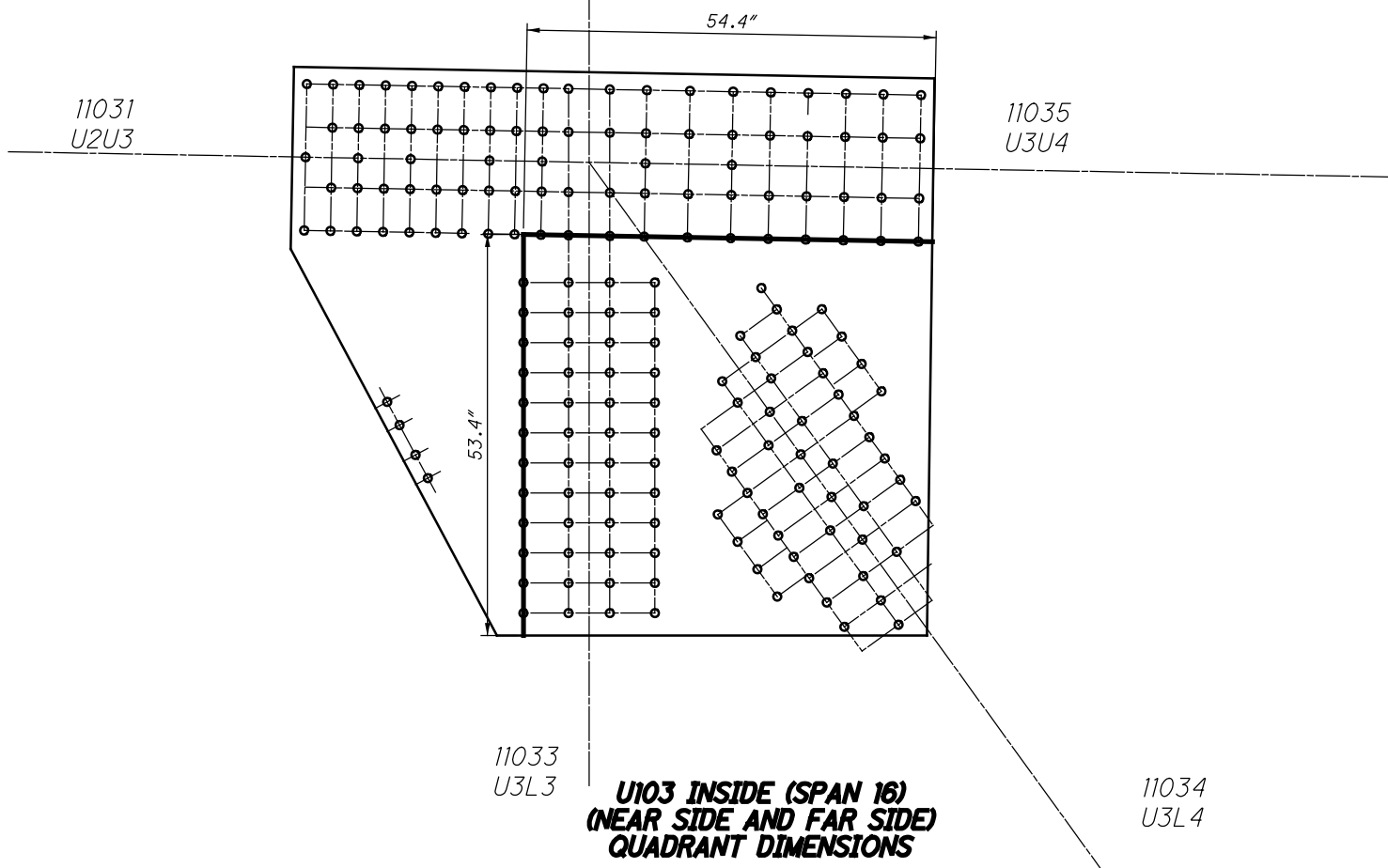


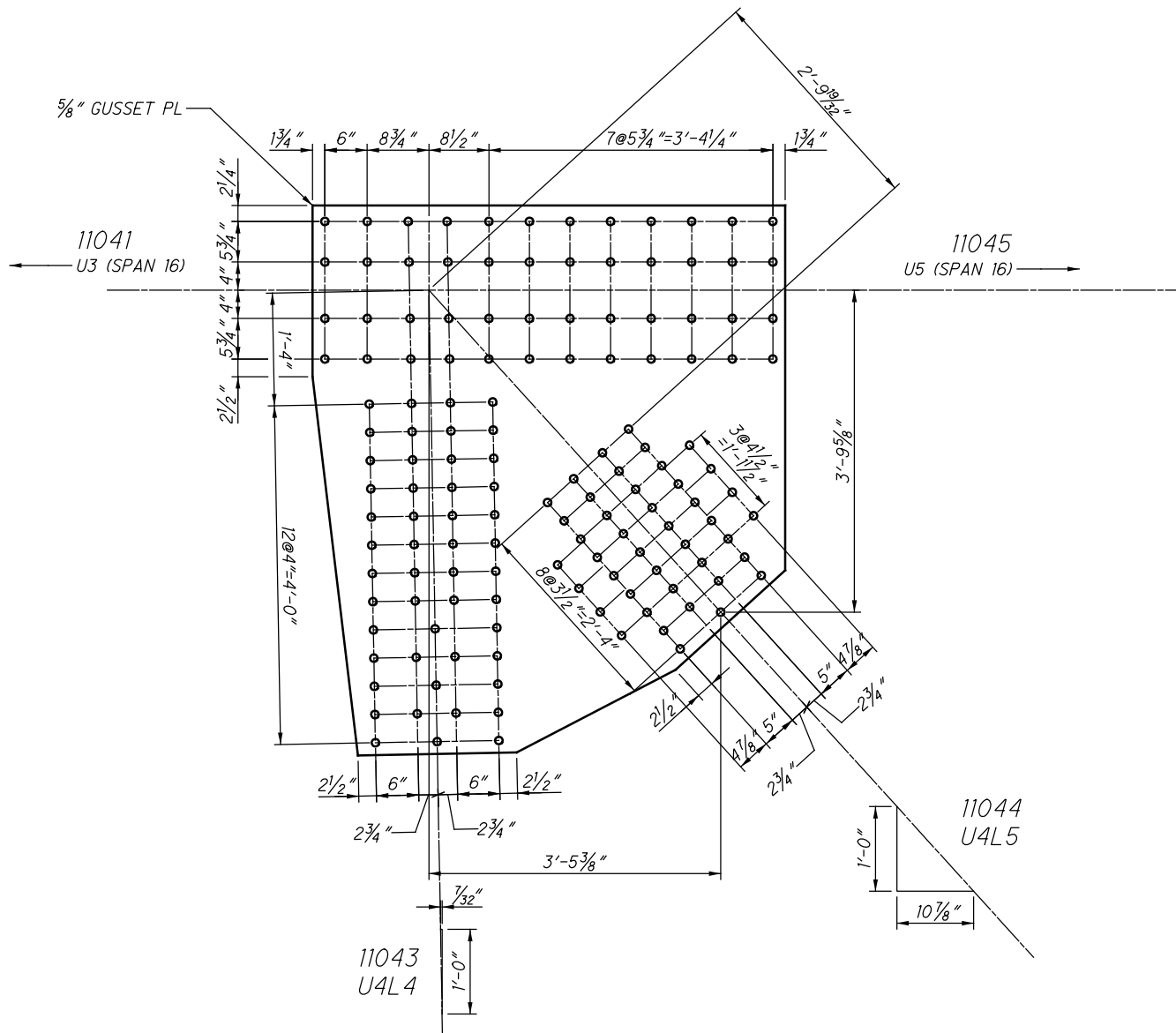
11035
U3U4

11033
U3L3

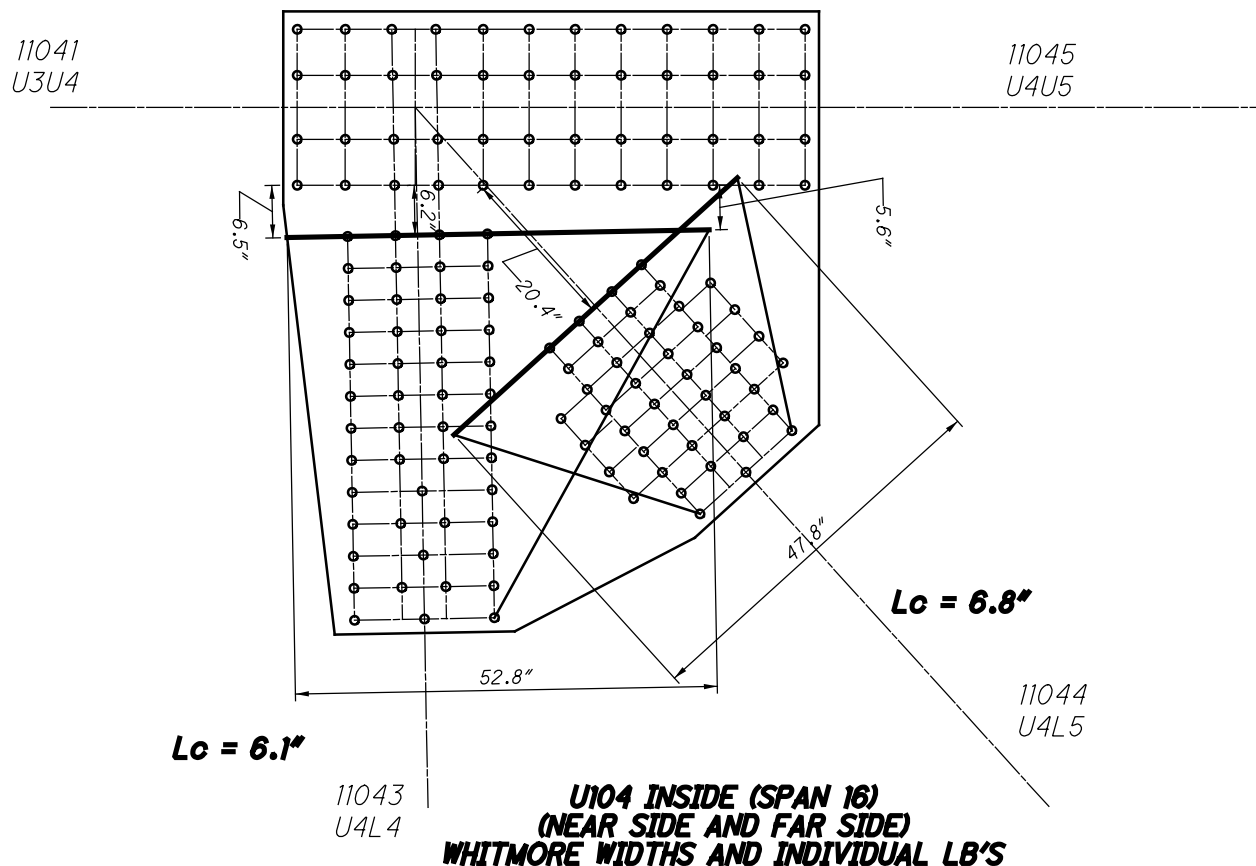
**U103 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

11034
U3L4

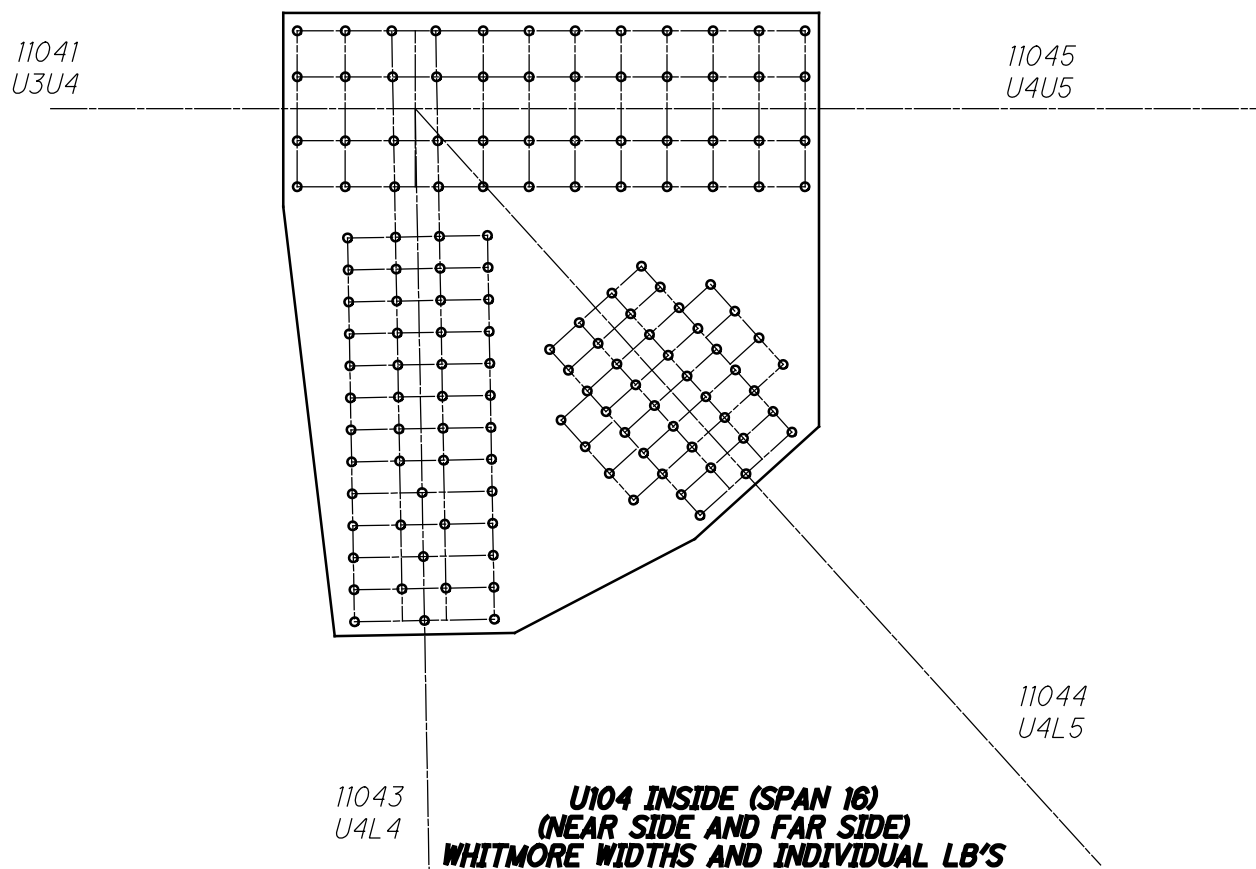




**U104 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

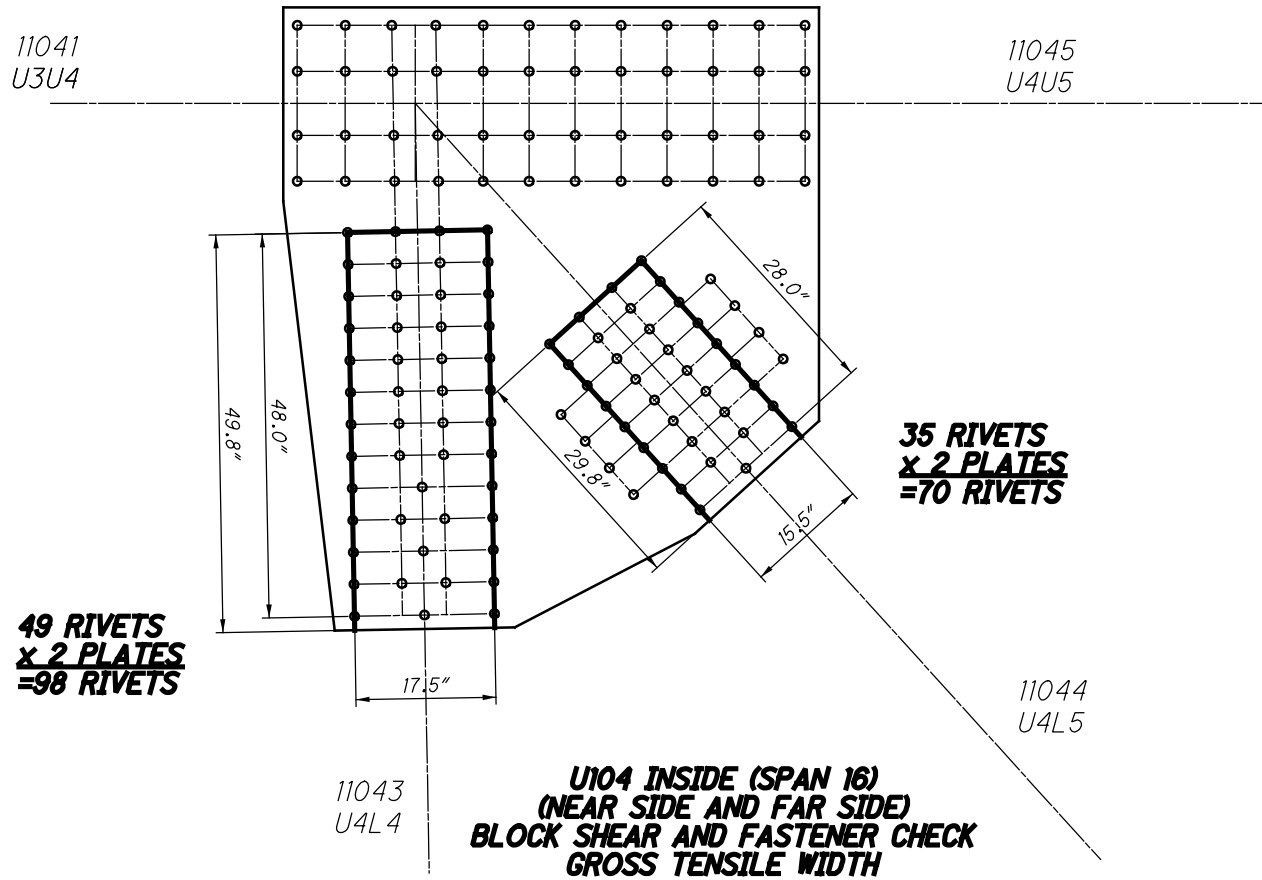


CHORD IS CONTINUOUS

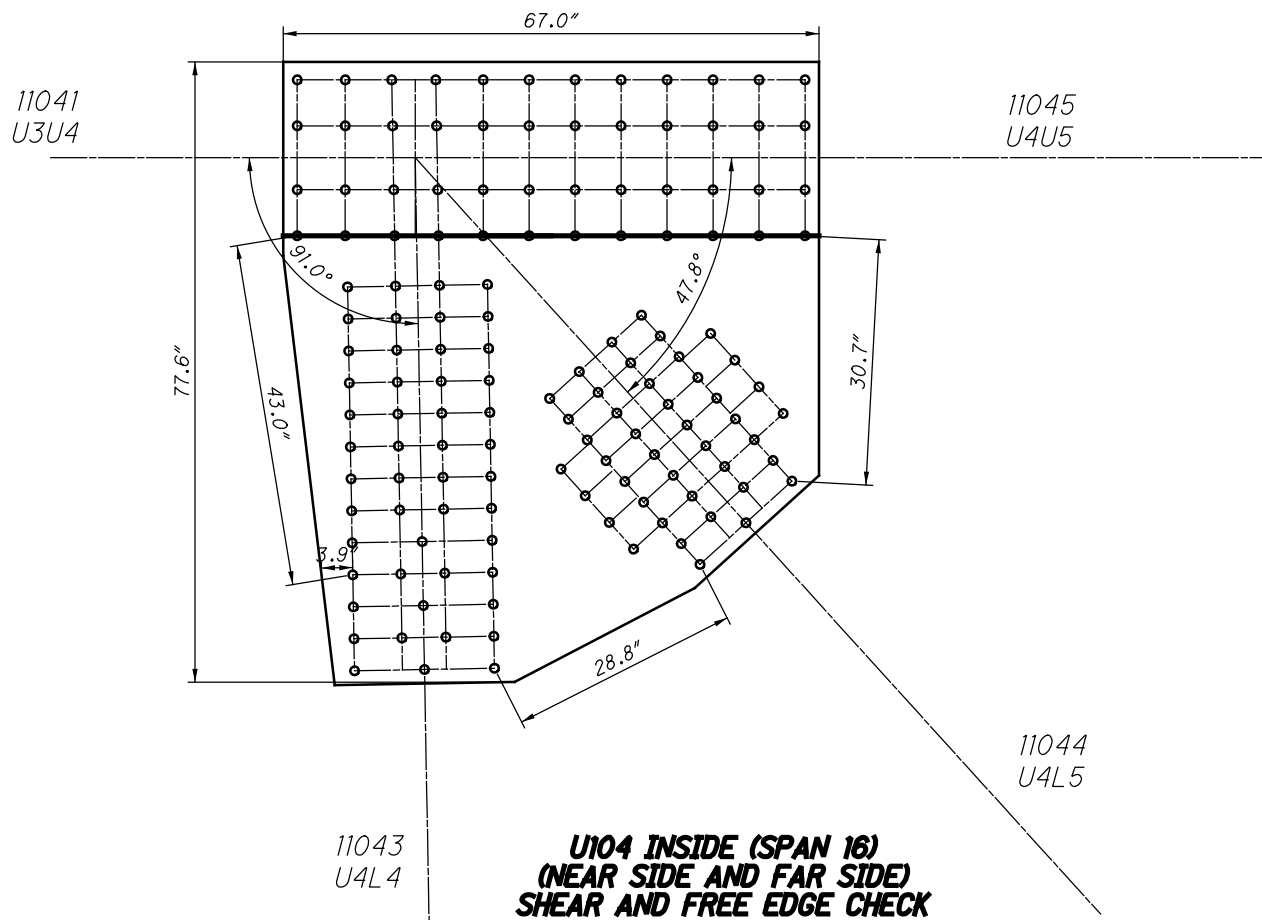


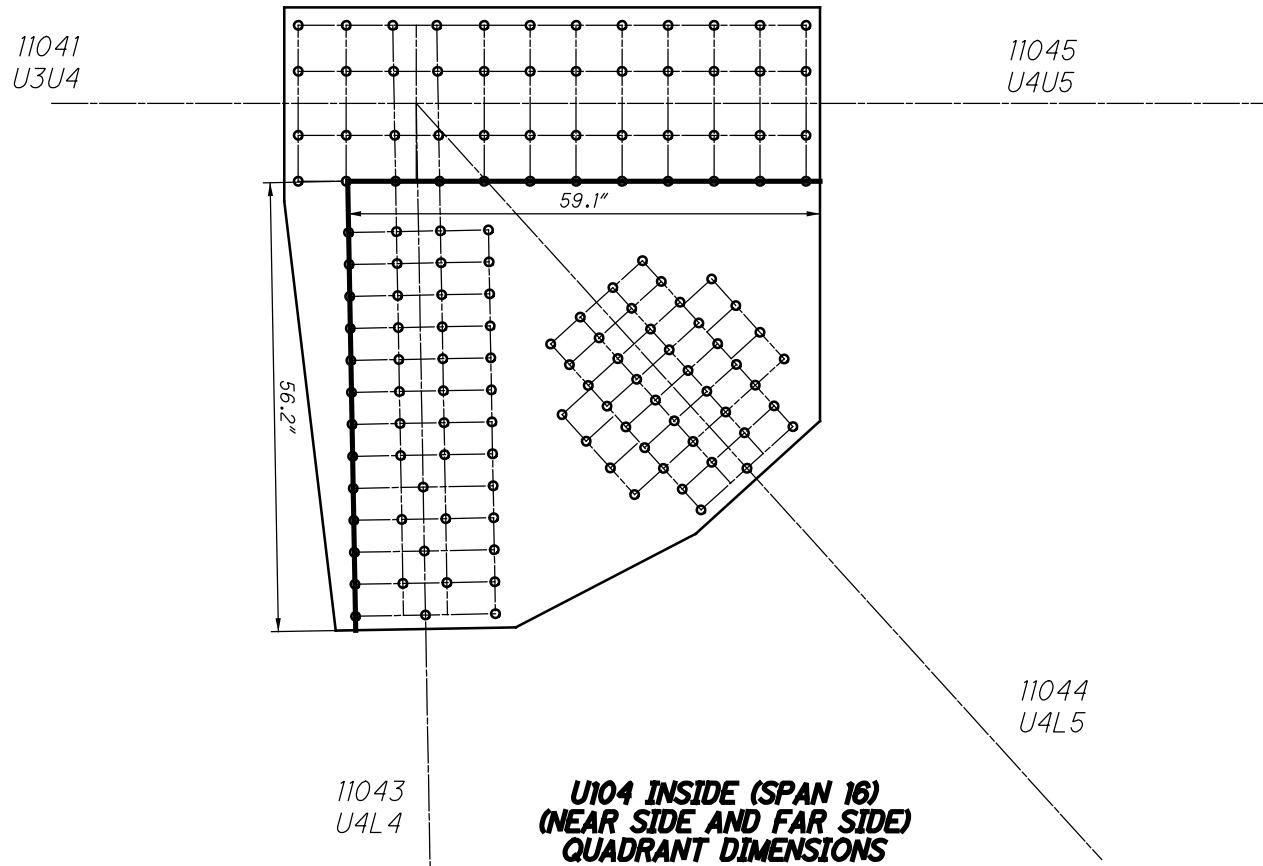
CHORD IS CONTINUOUS

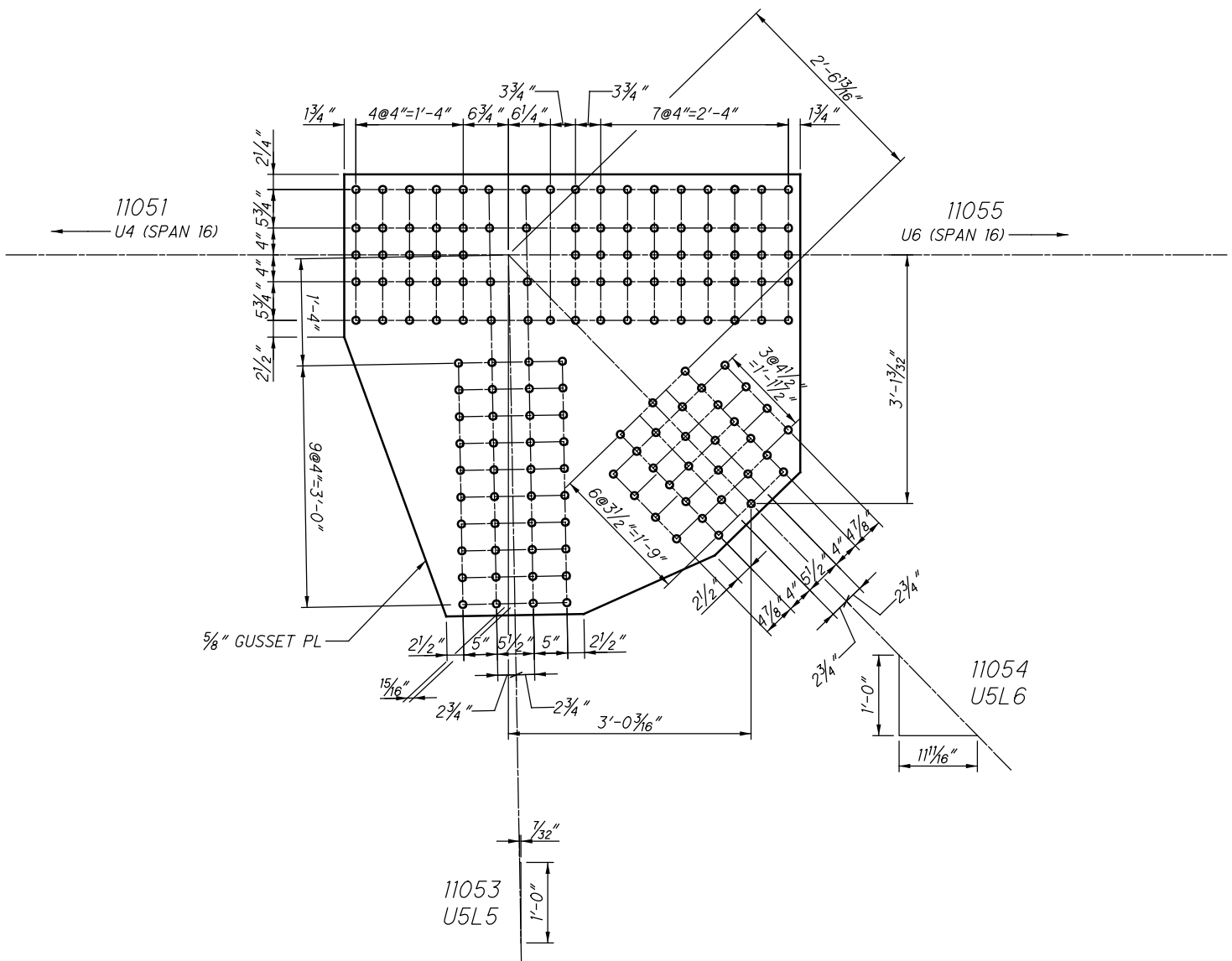
21104 AND 31104



21104 AND 31104



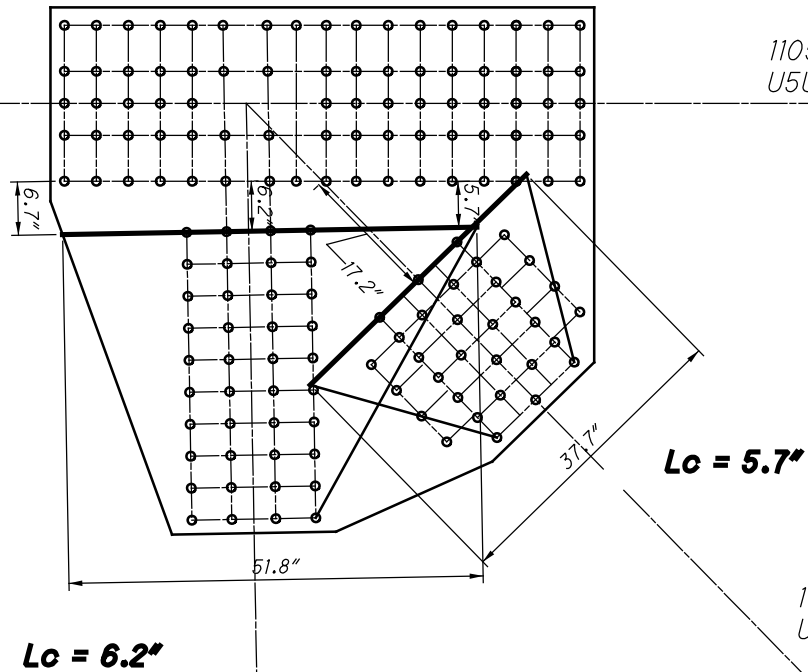




**U105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

11051
U4U5

11055
U5U6

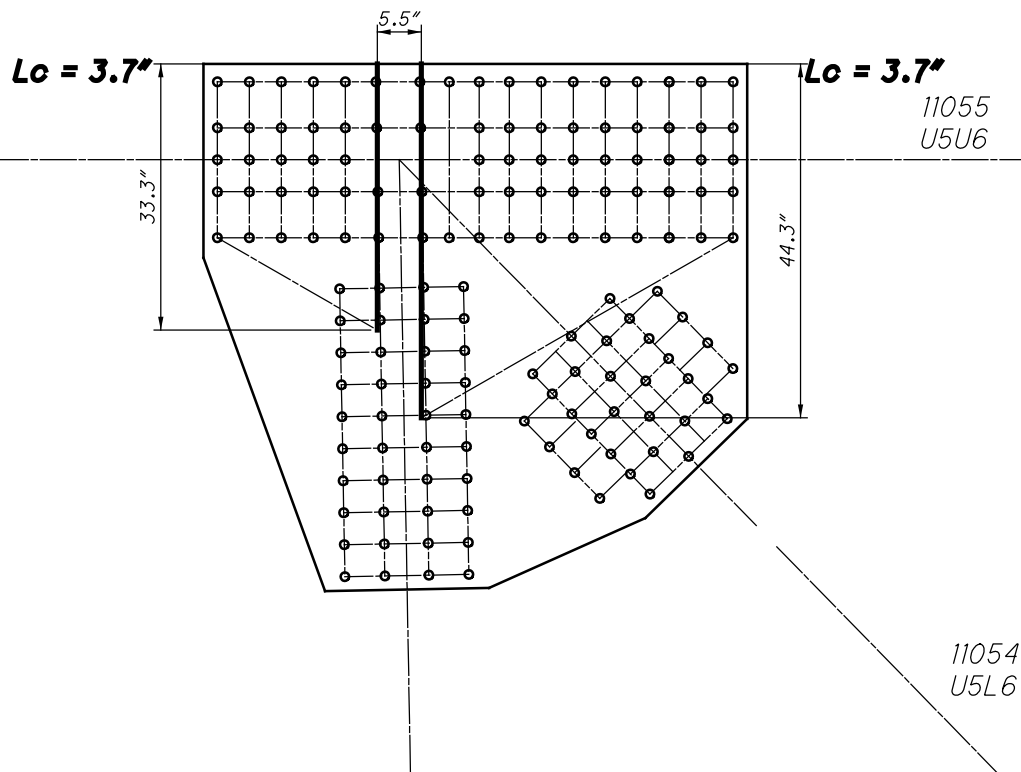


11053
U5L5

**U105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11051
U4U5

11055
U5U6



11053
U5L5

**U105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21105 AND 31105

**29 RIVETS
x 2 PLATES
=58 RIVETS**

11051
U4U5

**51 RIVETS
x 2 PLATES
=102 RIVETS**

11055
U5U6

**40 RIVETS
x 2 PLATES
=80 RIVETS**

**24 RIVETS
x 2 PLATES
=48 RIVETS**

11054
U5L6

11053
U5L5
**U105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

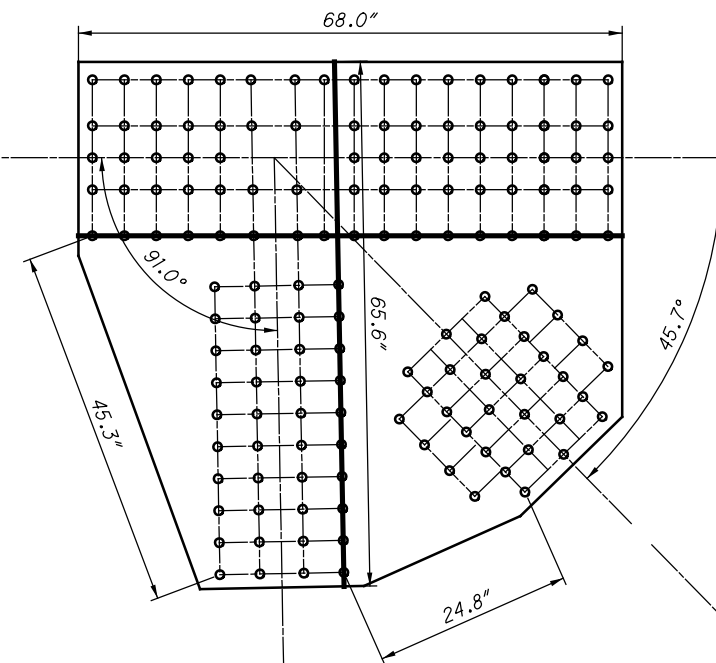
21105 AND 31105

11051
U4U5

11055
U5U6

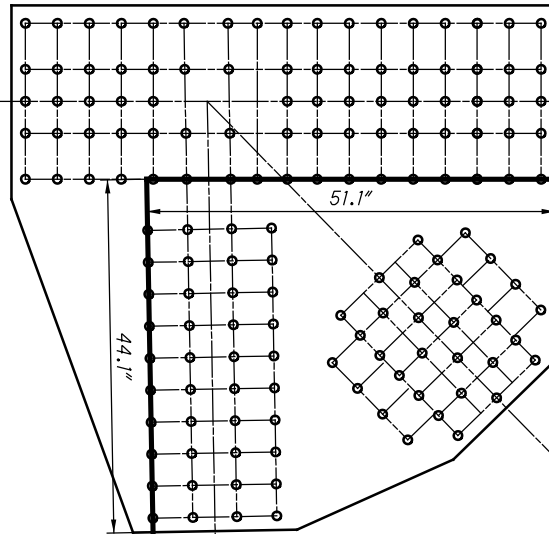
11053
U5L5
**U105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

11054
U5L6



11051
U4U5

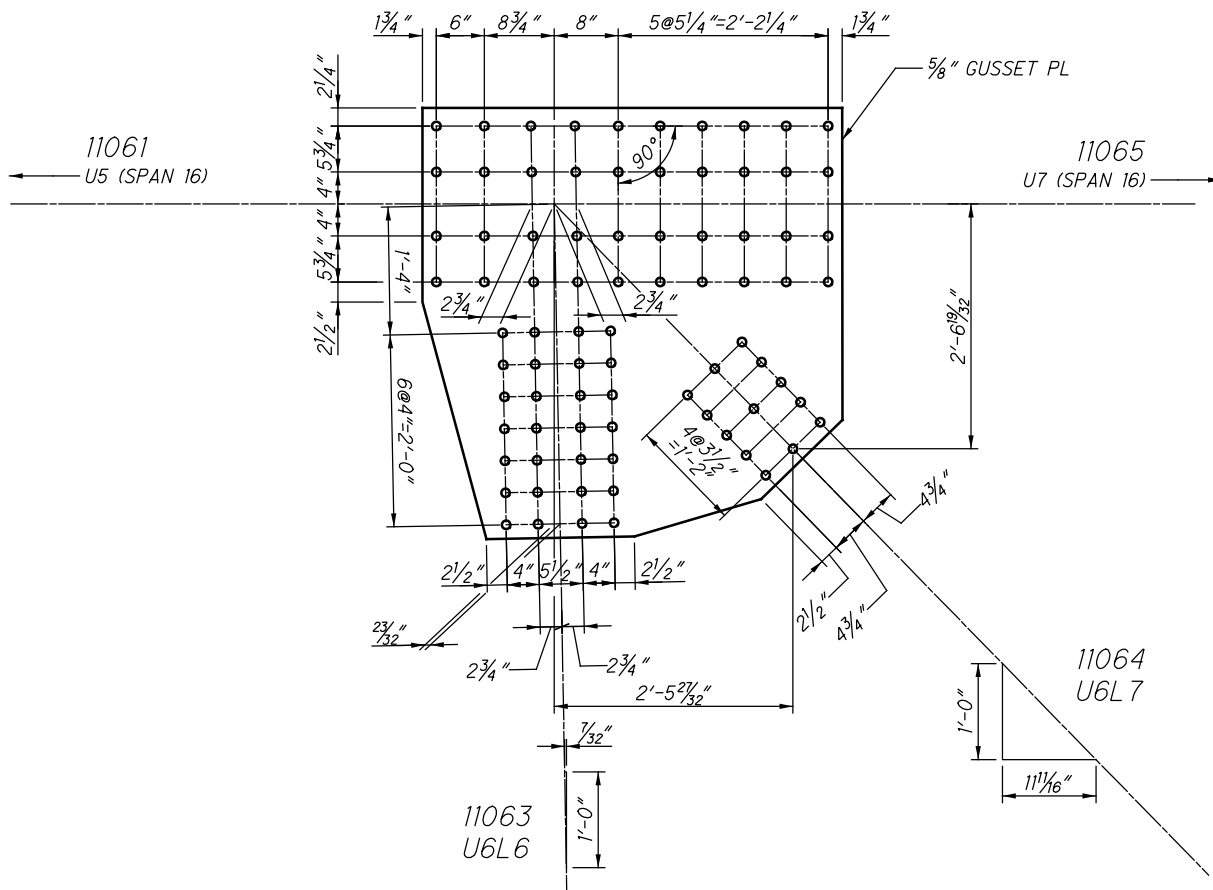
11055
U5U6



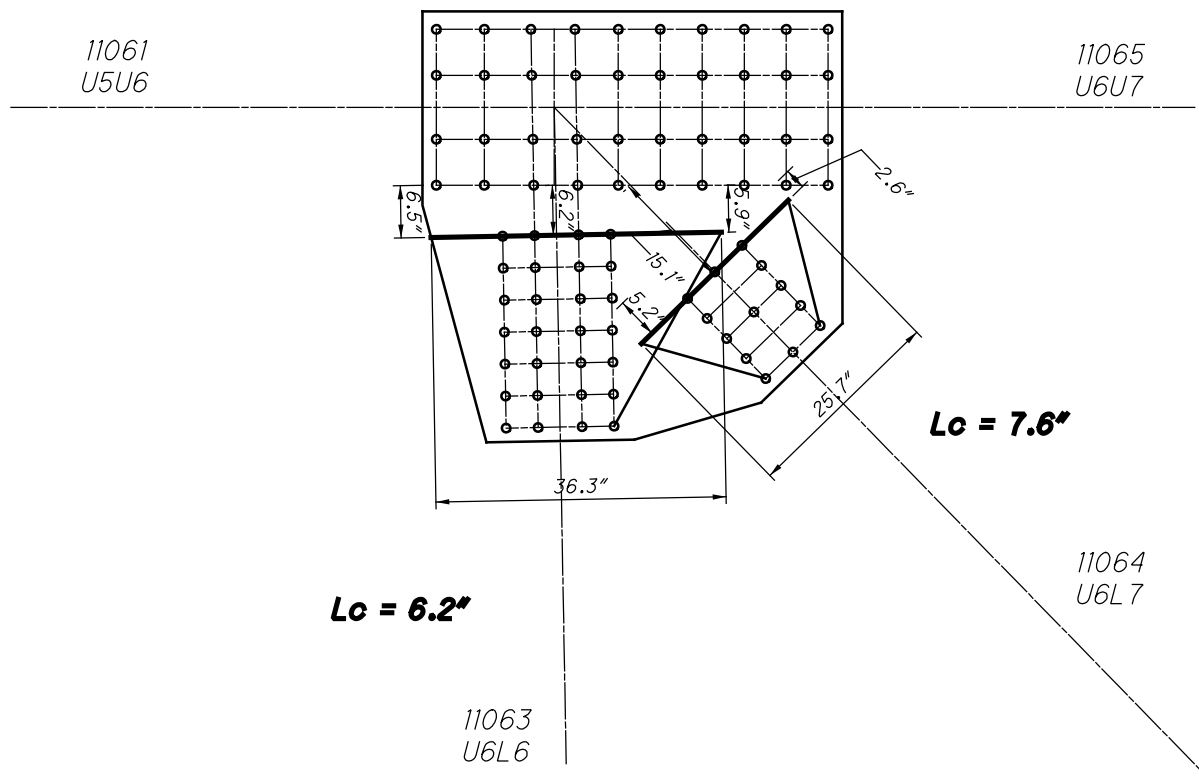
11054
U5L6

11053
U5L5

**U105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

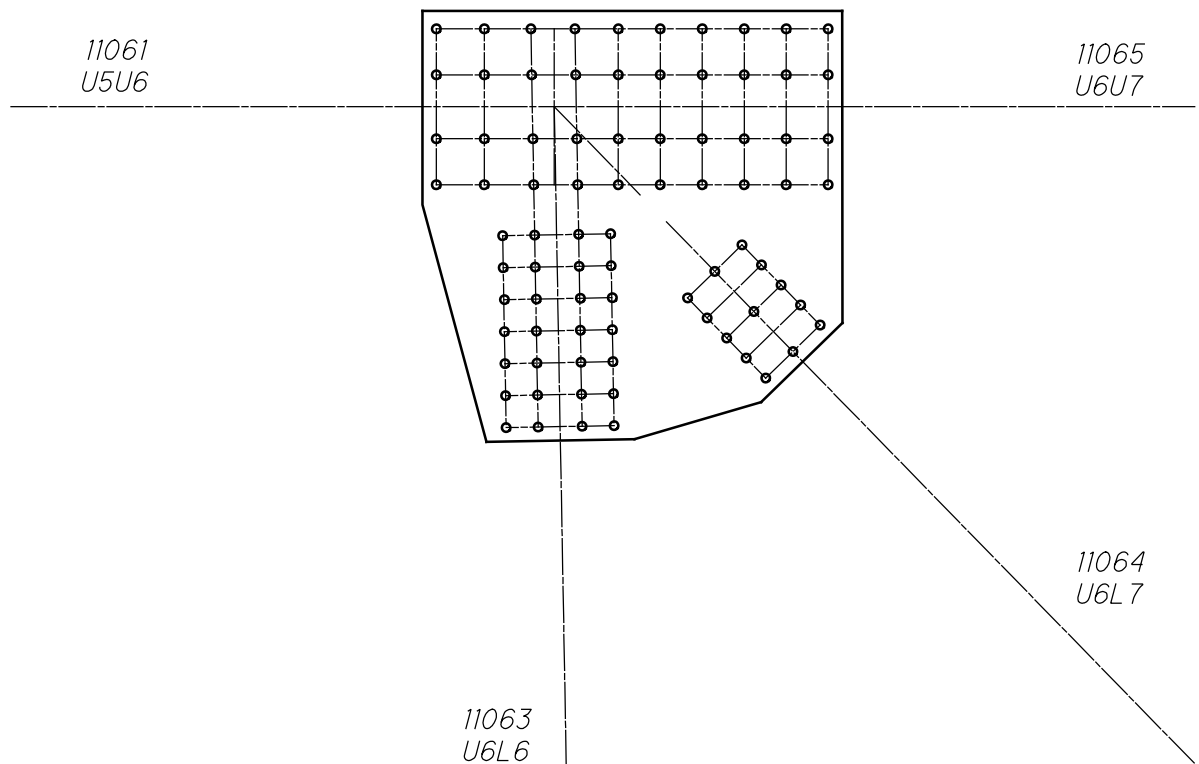


**U106 INSIDE-SPAN3
(NEAR SIDE AND FAR SIDE)**



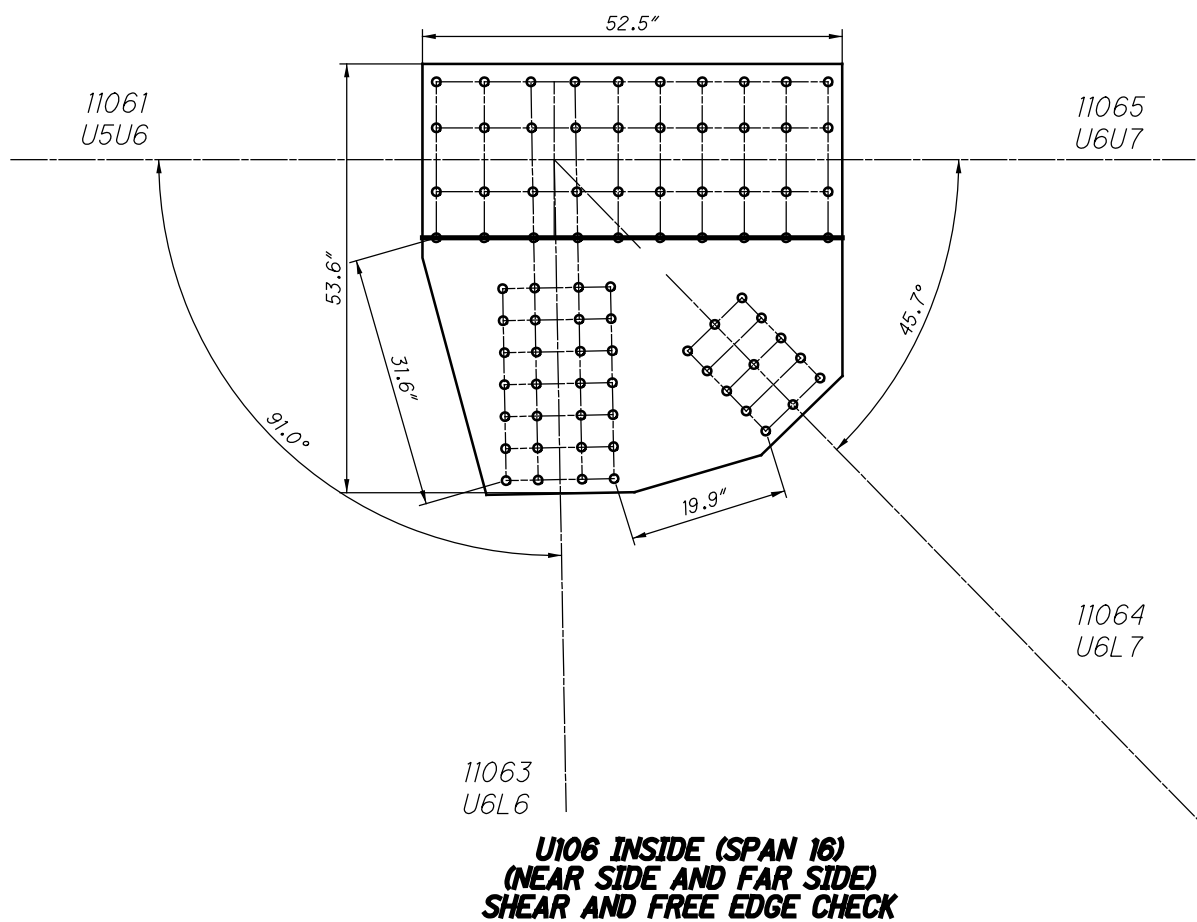
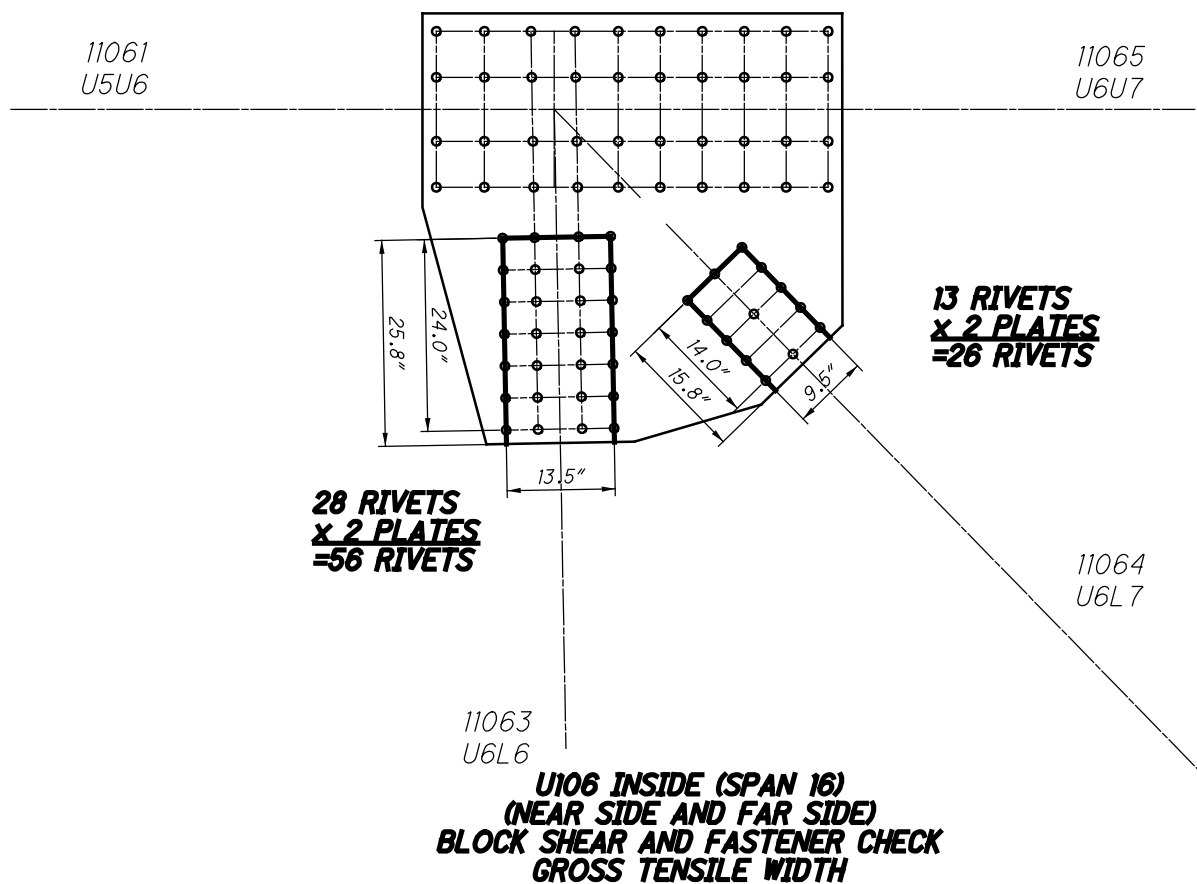
**U106 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

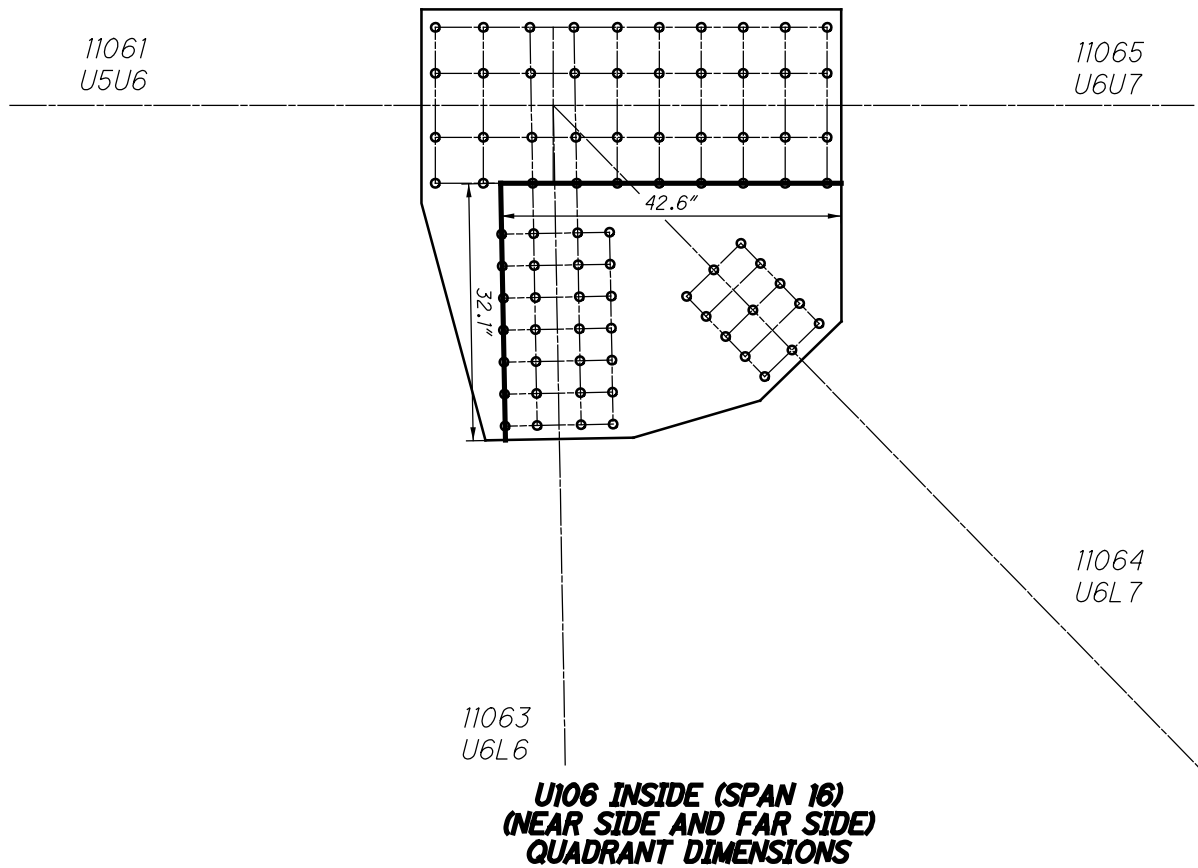
CHORD IS CONTINUOUS

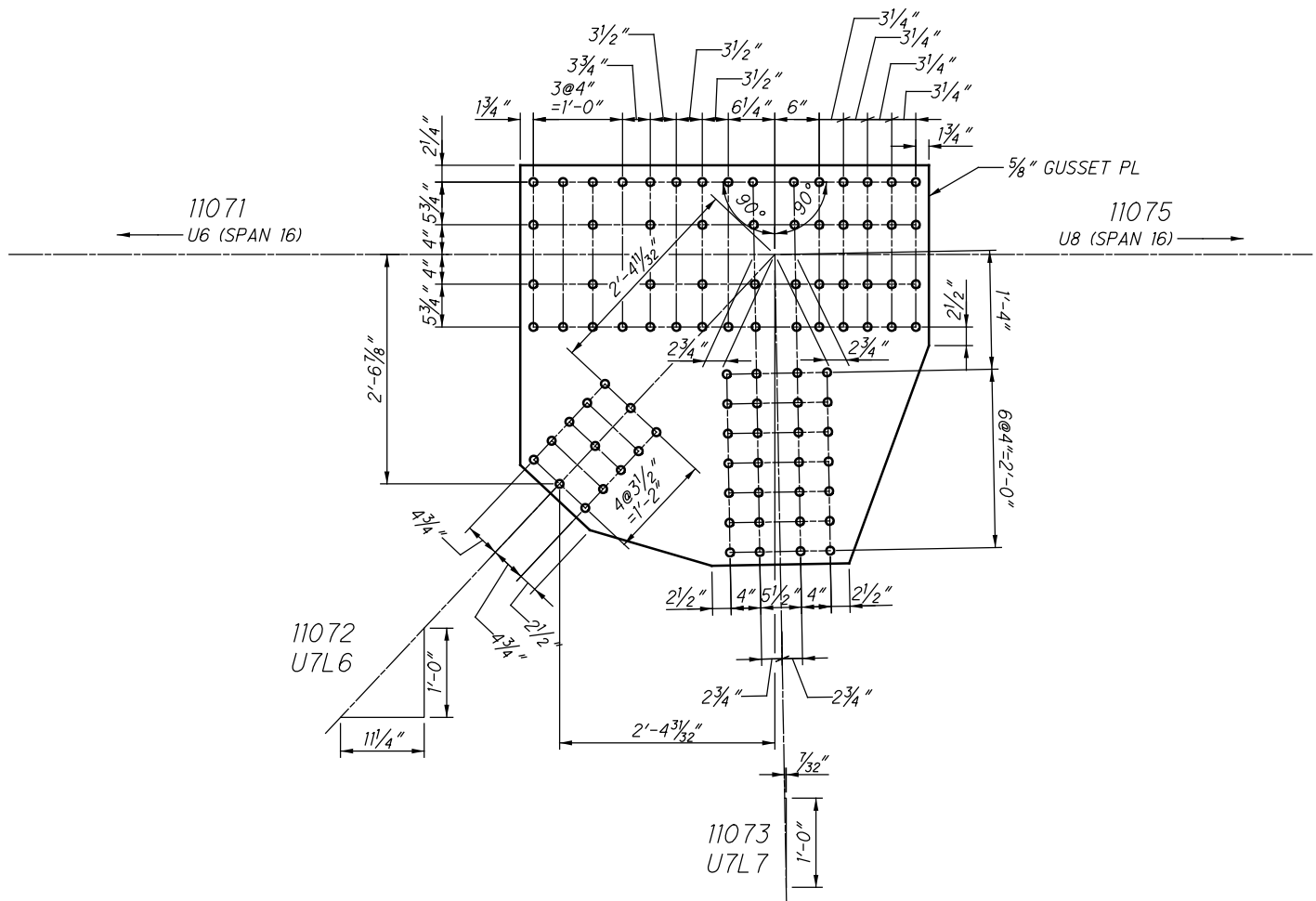


**U106 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

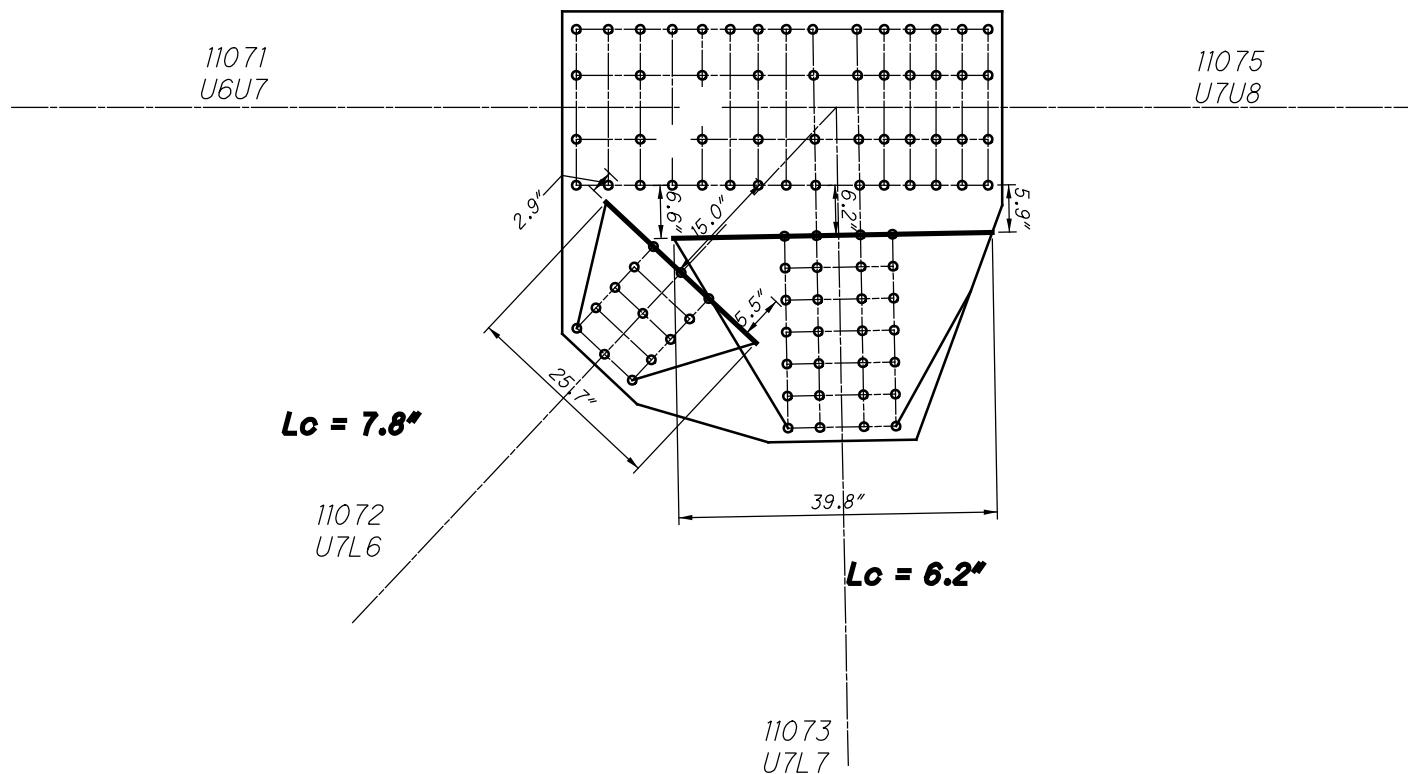
CHORD IS CONTINUOUS



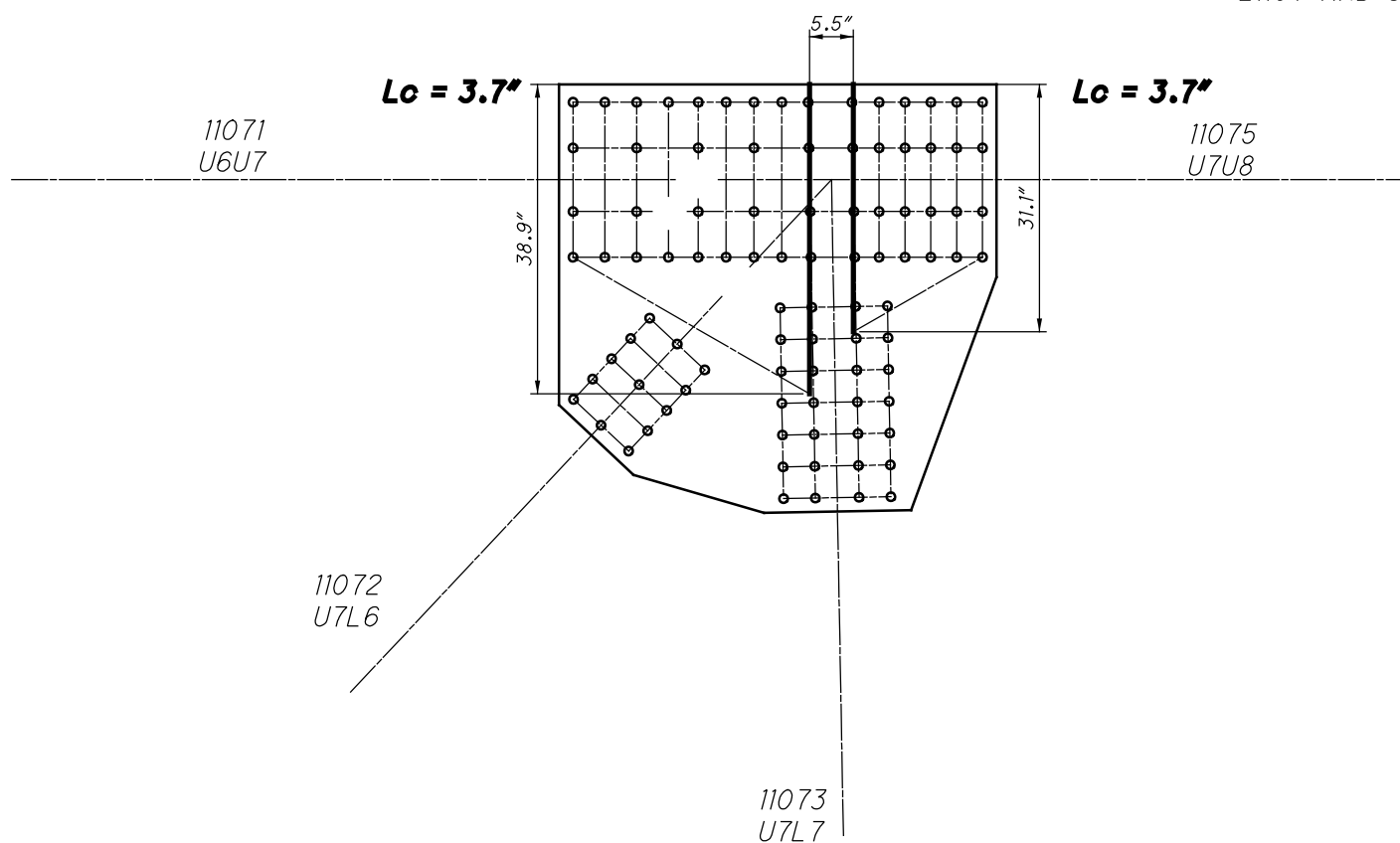




**U107 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**U107 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U107 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21107 AND 31107

**24 RIVETS
x 2 PLATES
=48 RIVETS**

**28 RIVETS
x 2 PLATES
=56 RIVETS**

11071
U6U7

11075
U7U8

**13 RIVETS
x 2 PLATES
=26 RIVETS**

11072
U7L6

**28 RIVETS
x 2 PLATES
=56 RIVETS**

11073
U7L7

**U107 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21107 AND 31107

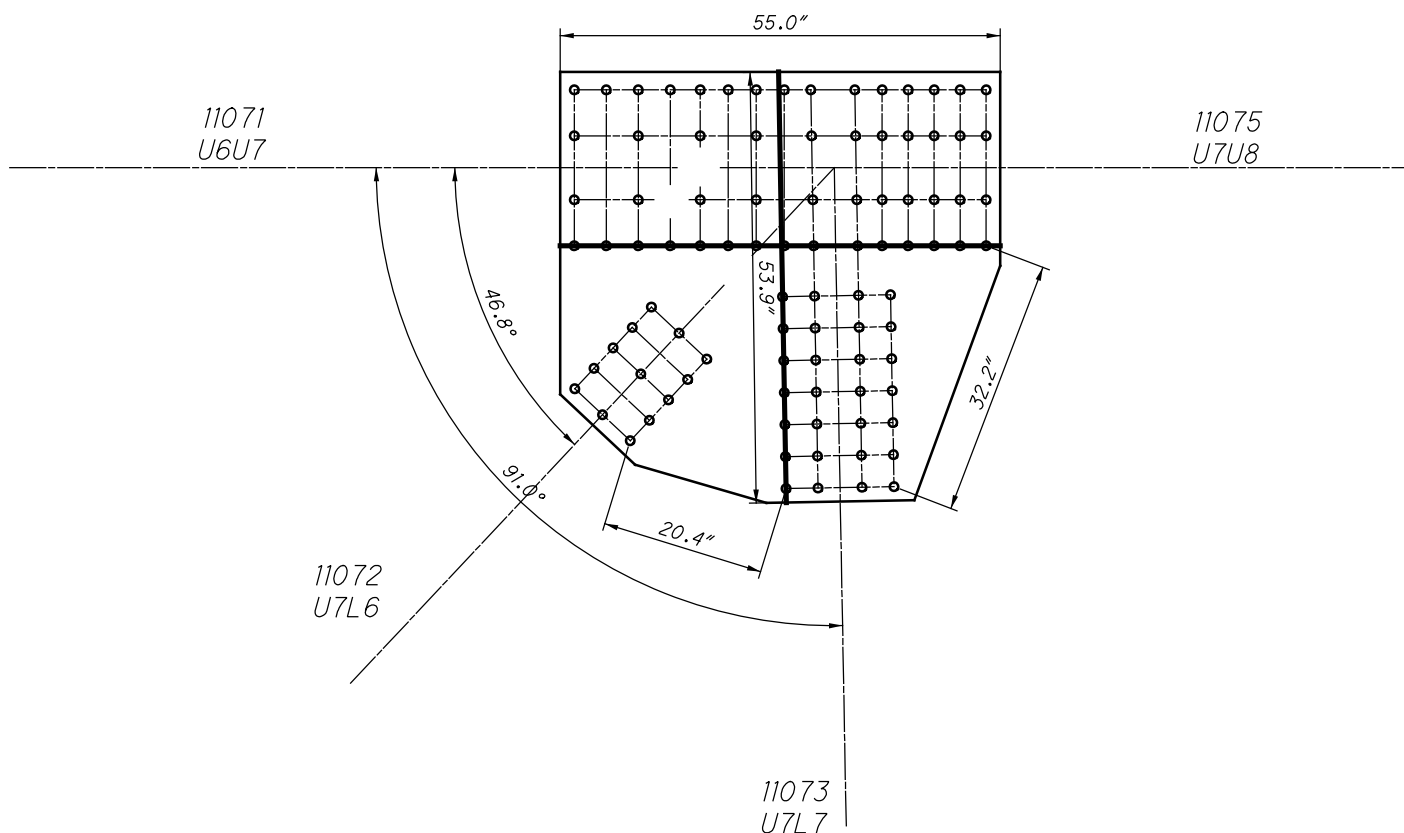
11071
U6U7

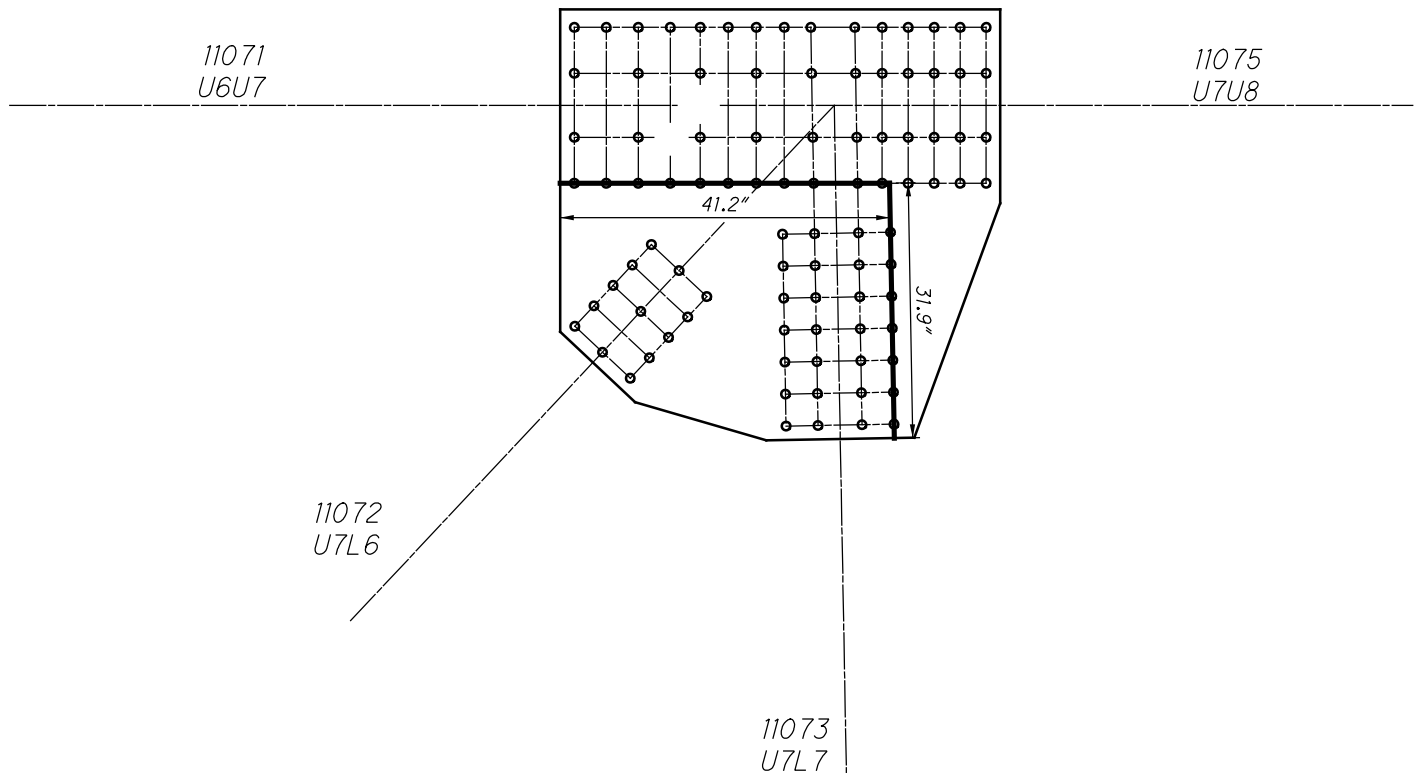
11075
U7U8

11072
U7L6

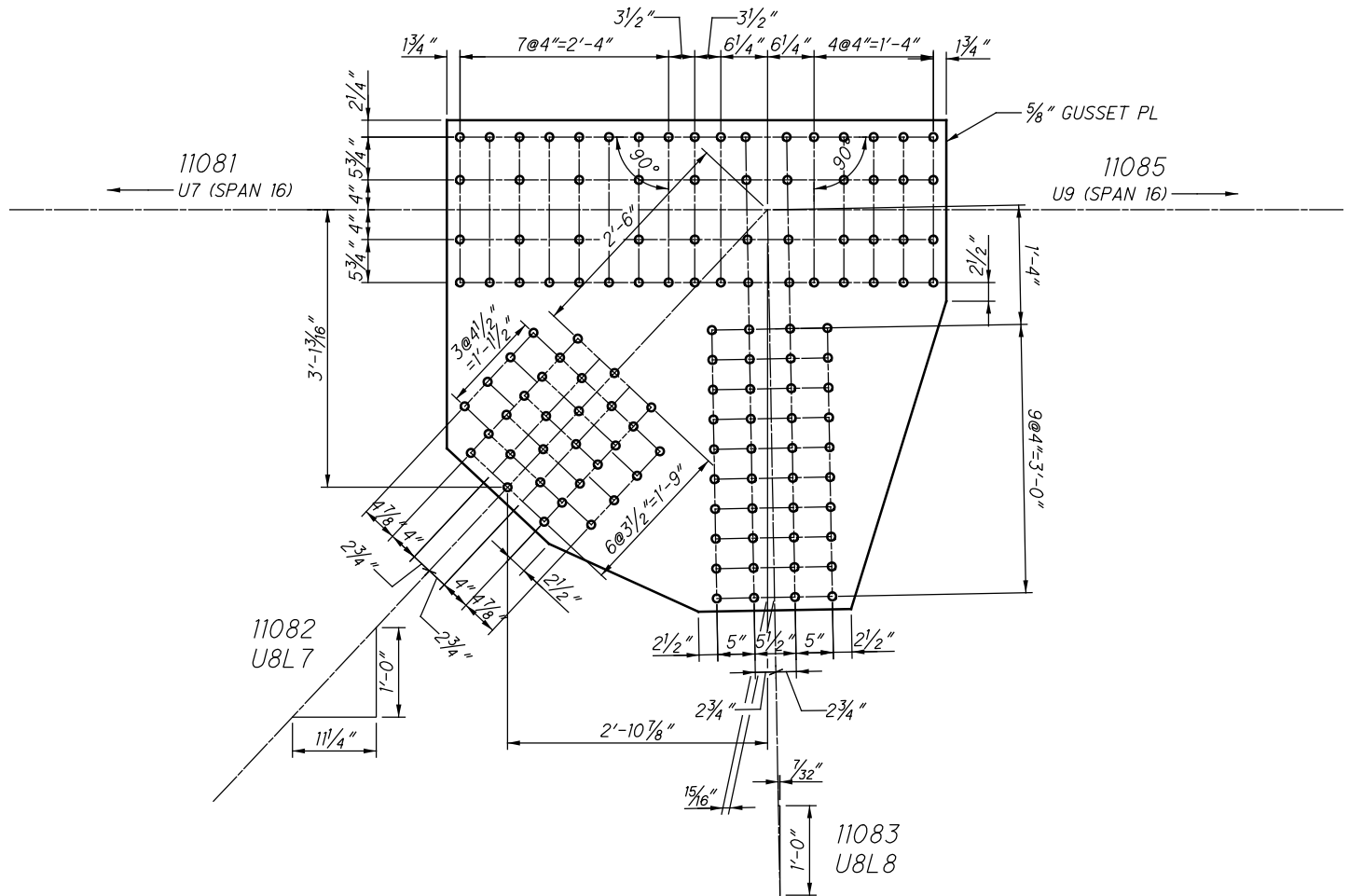
11073
U7L7

**U107 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

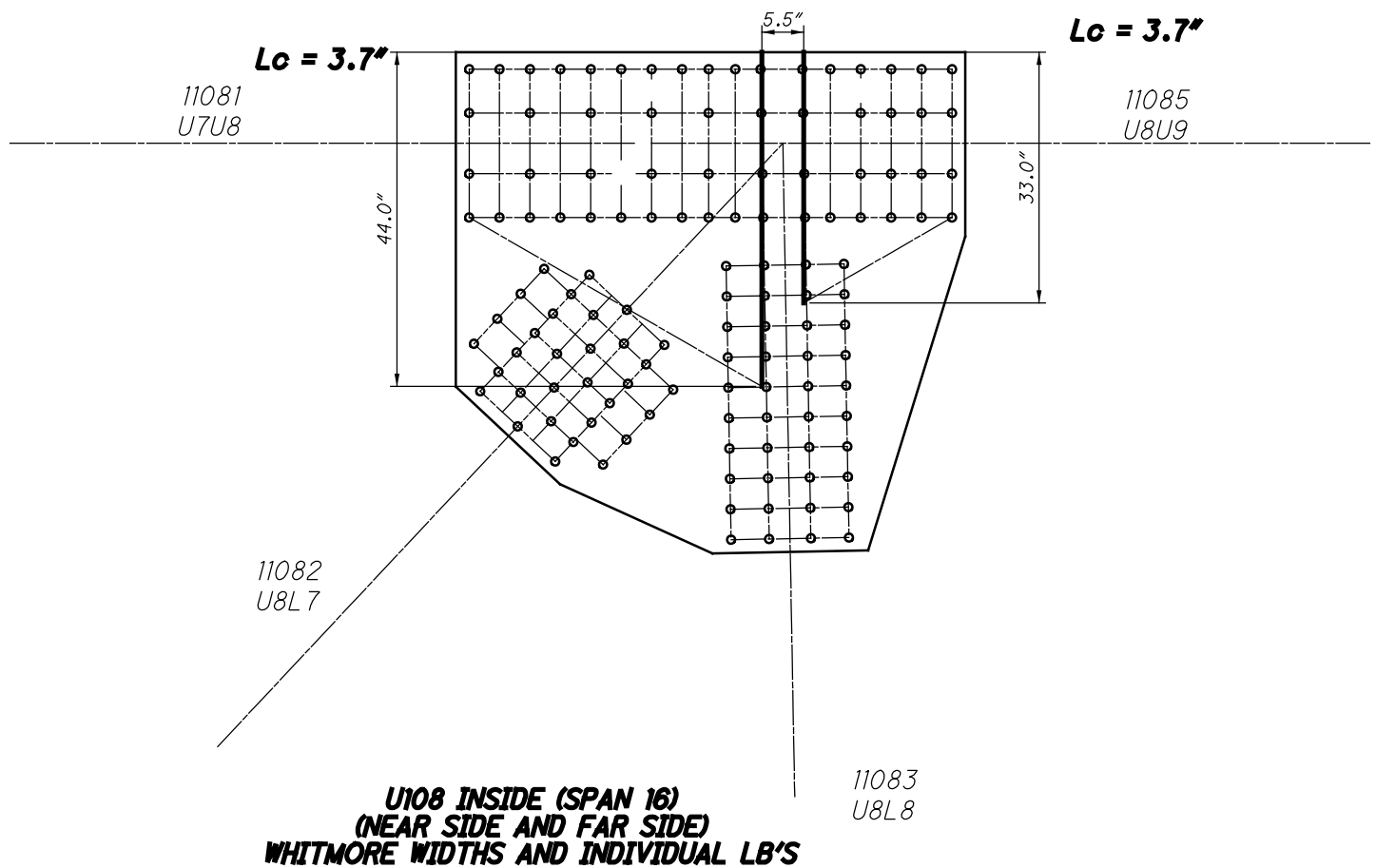
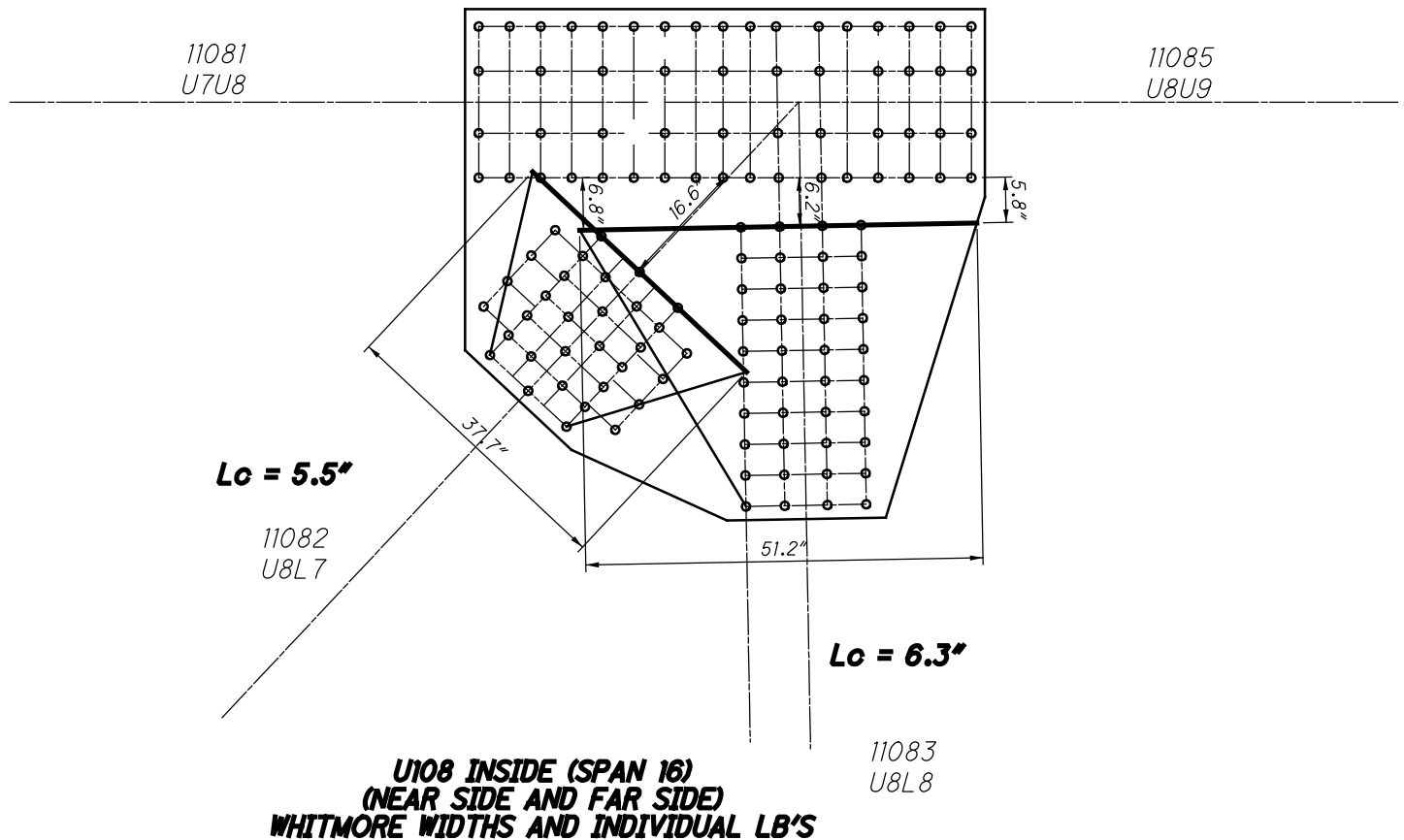




**U107 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**U108 INSIDE-SOAN 3
(NEAR SIDE AND FAR SIDE)**



21108 AND 31108

**34 RIVETS
x 2 PLATES
=68 RIVETS**

11081
U7U8

**22 RIVETS
x 2 PLATES
=44 RIVETS**

11085
U8U9

**24 RIVETS
x 2 PLATES
=48 RIVETS**

11082
U8L7

**40 RIVETS
x 2 PLATES
=80 RIVETS**

**U108 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11083
U8L8

21108 AND 31108

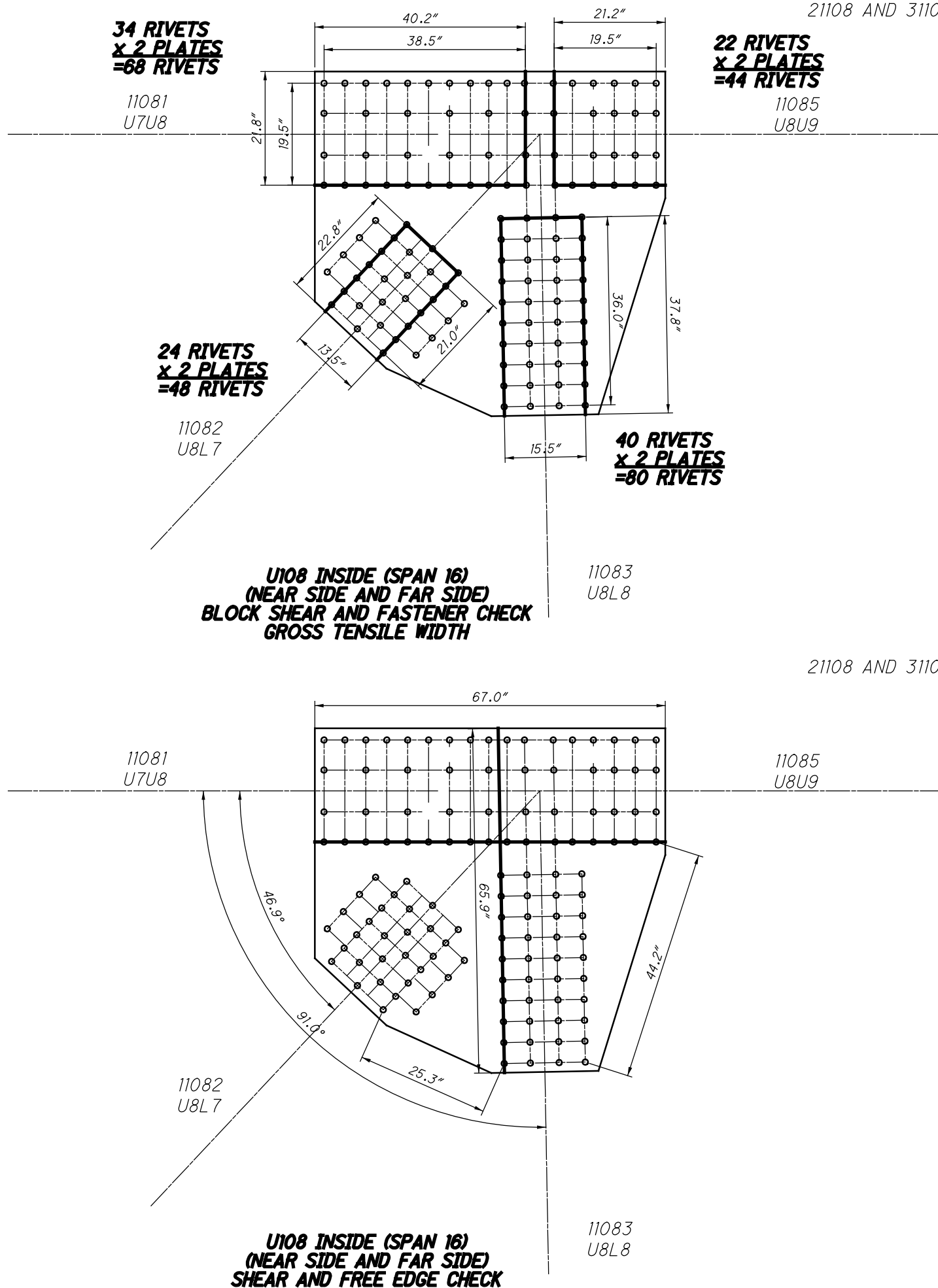
11081
U7U8

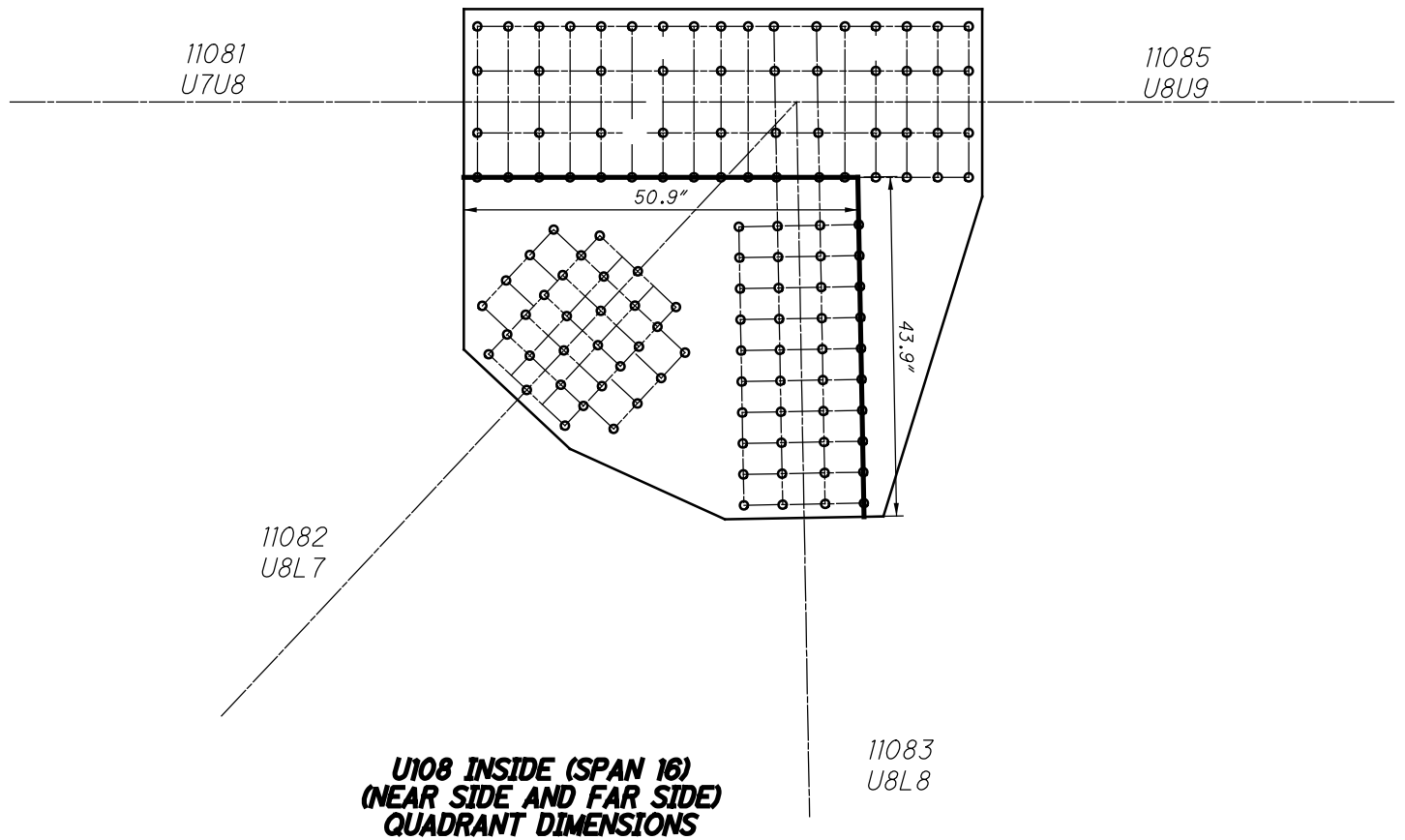
11085
U8U9

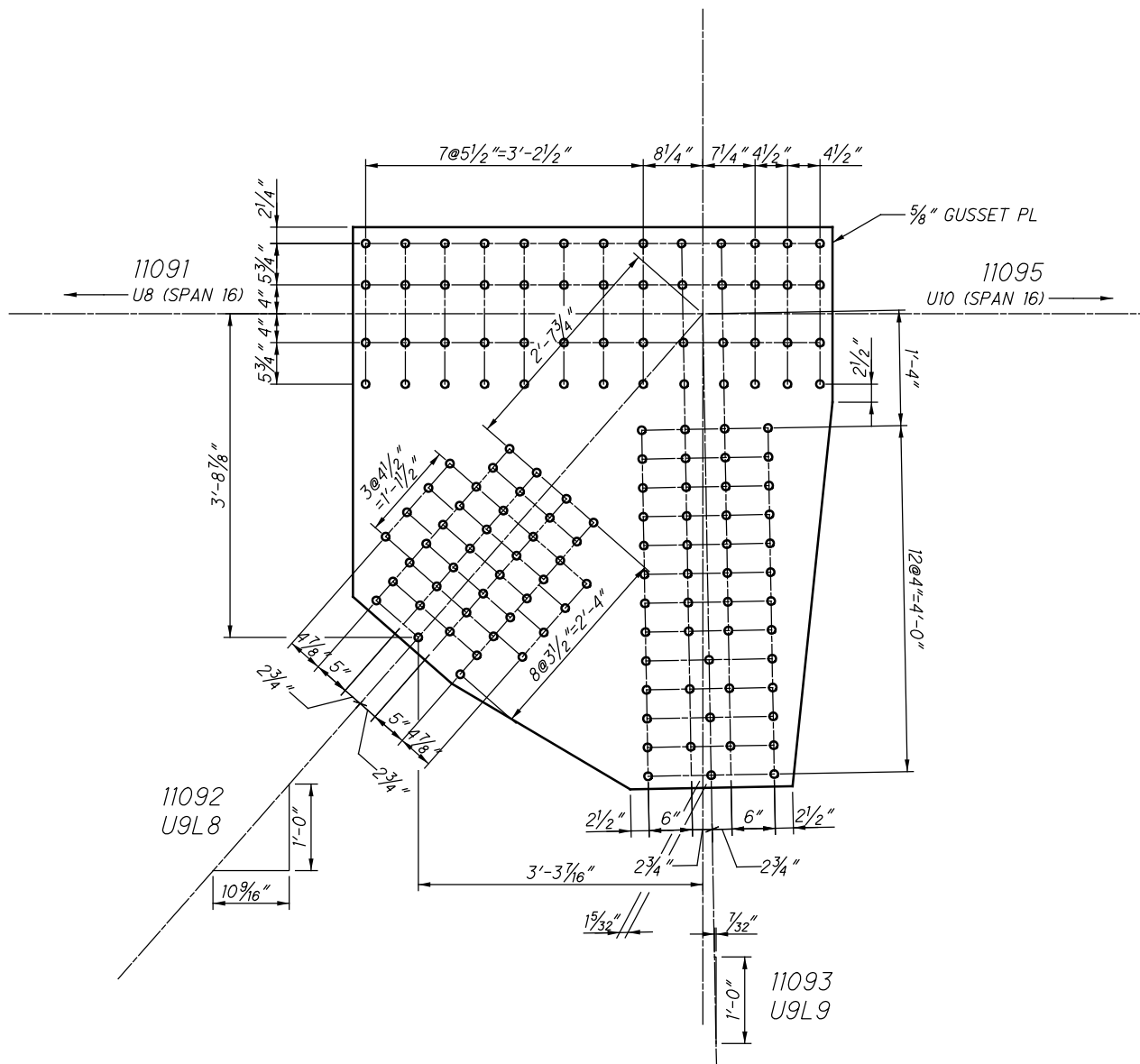
11082
U8L7

11083
U8L8

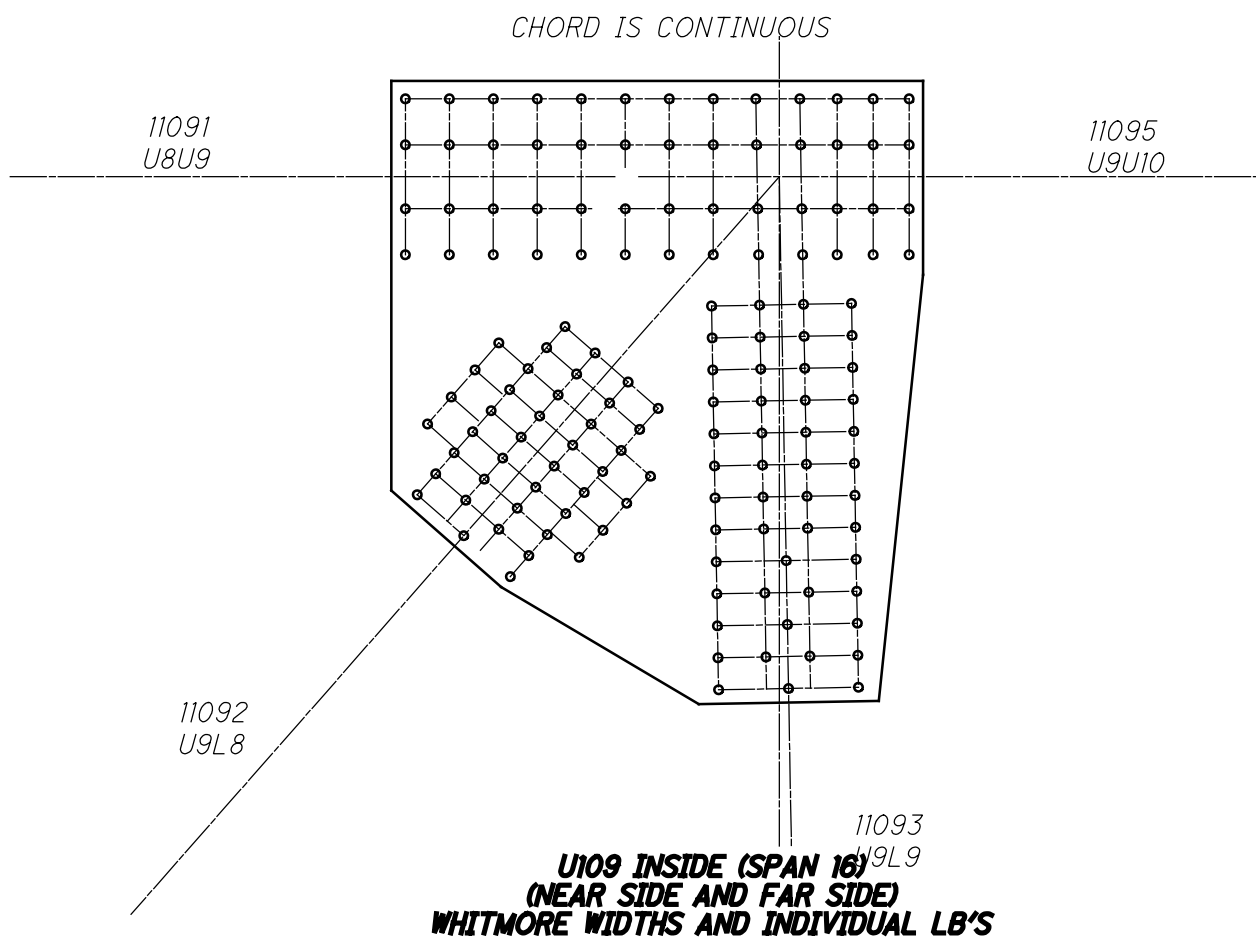
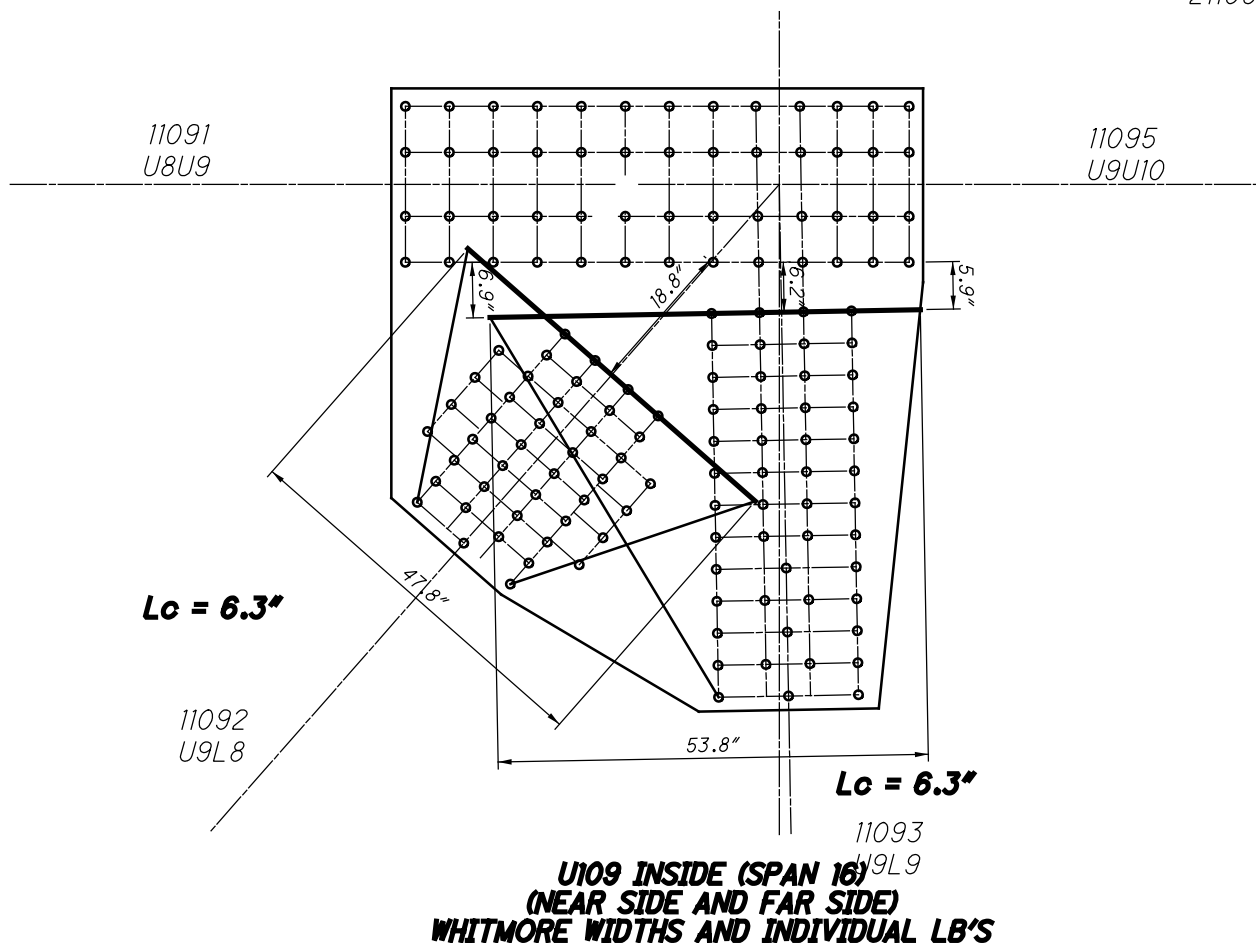
**U108 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**



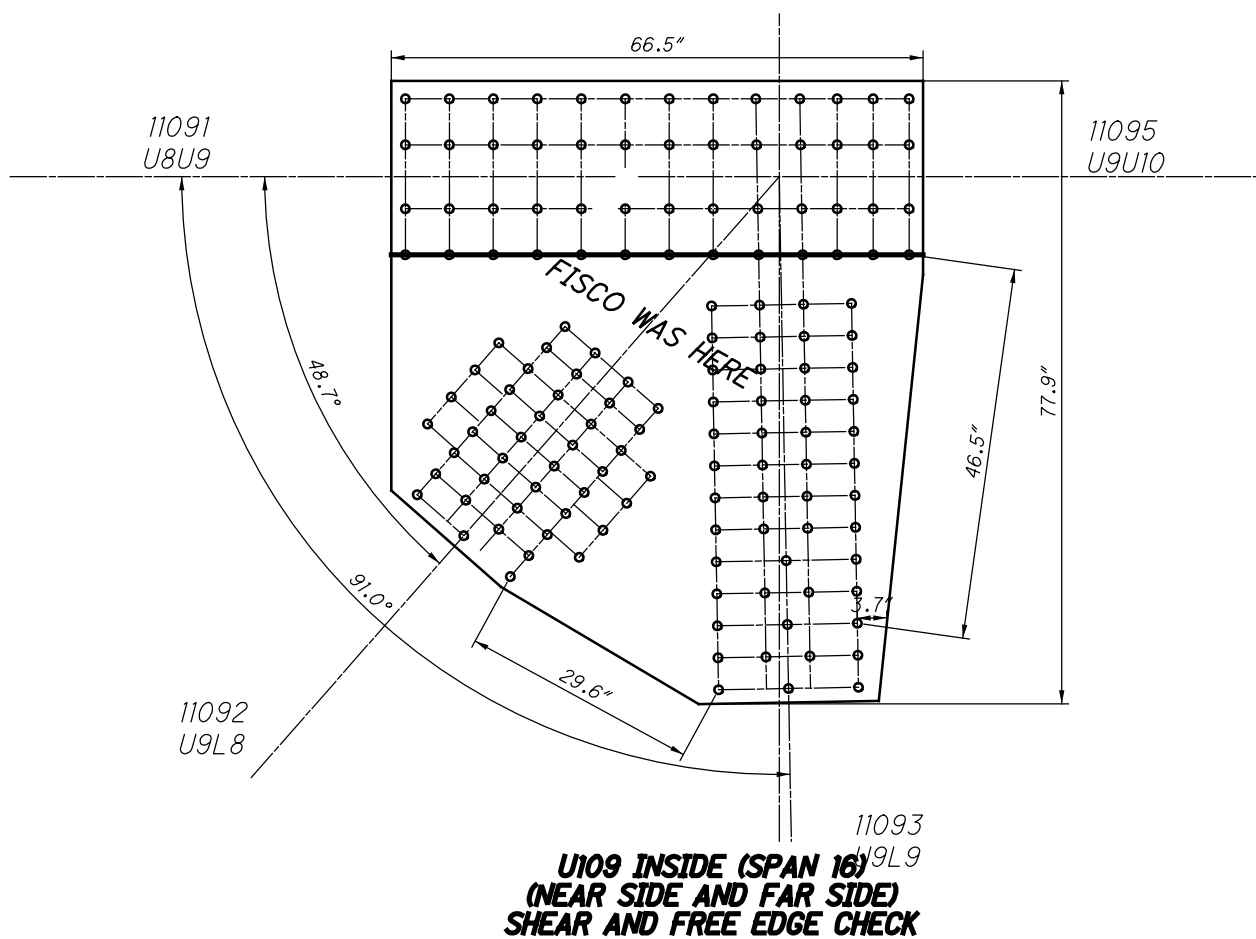
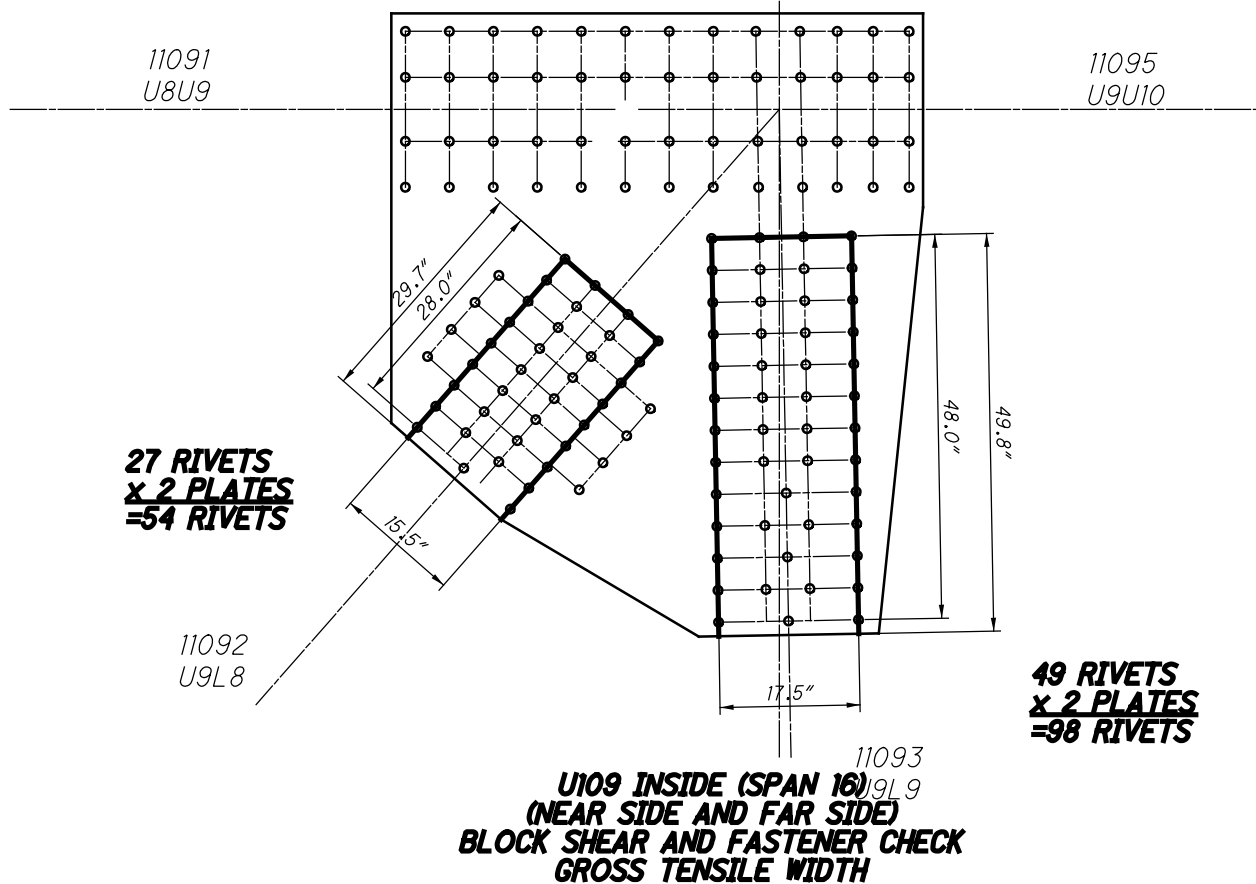


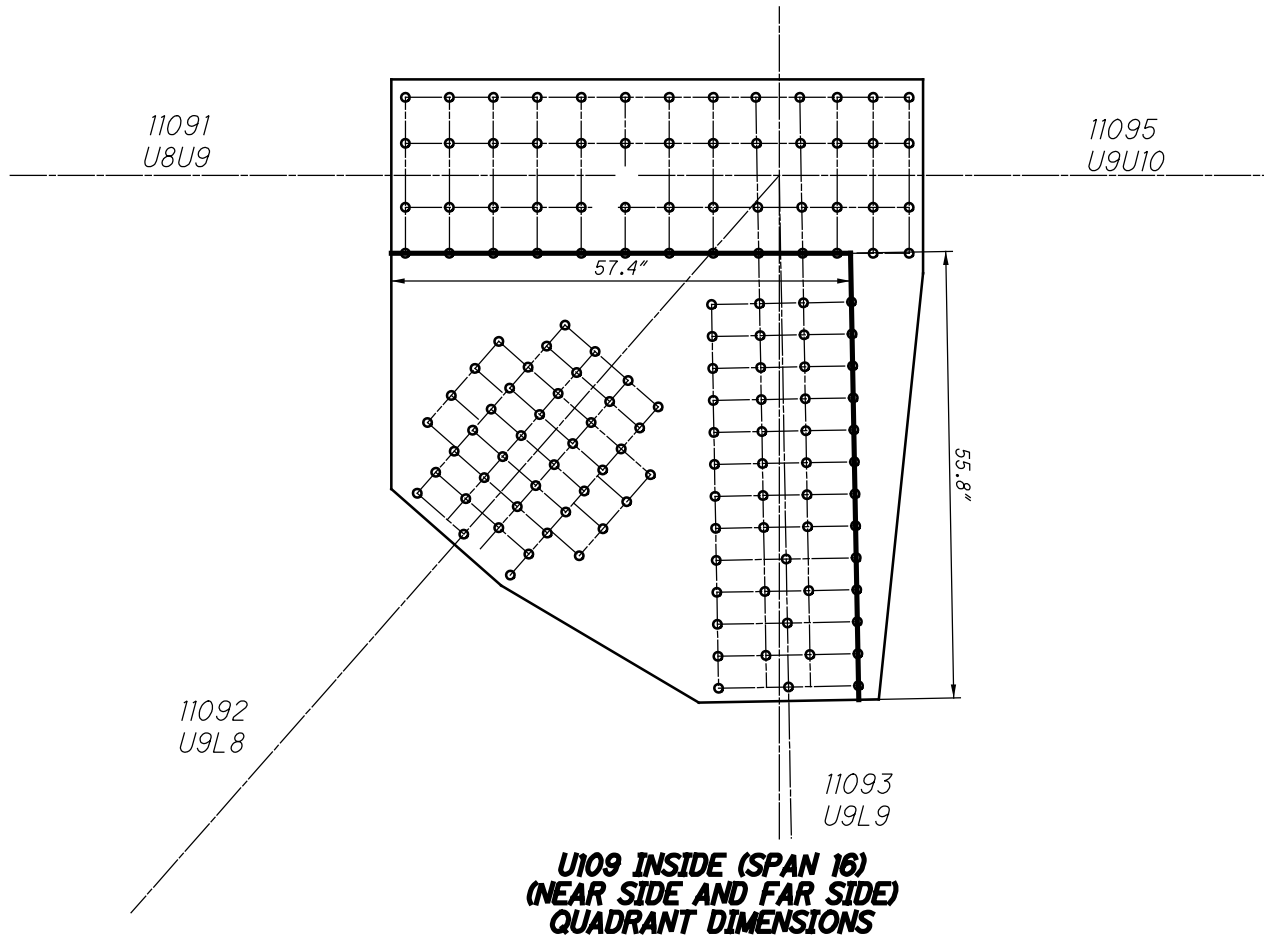


**U109 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

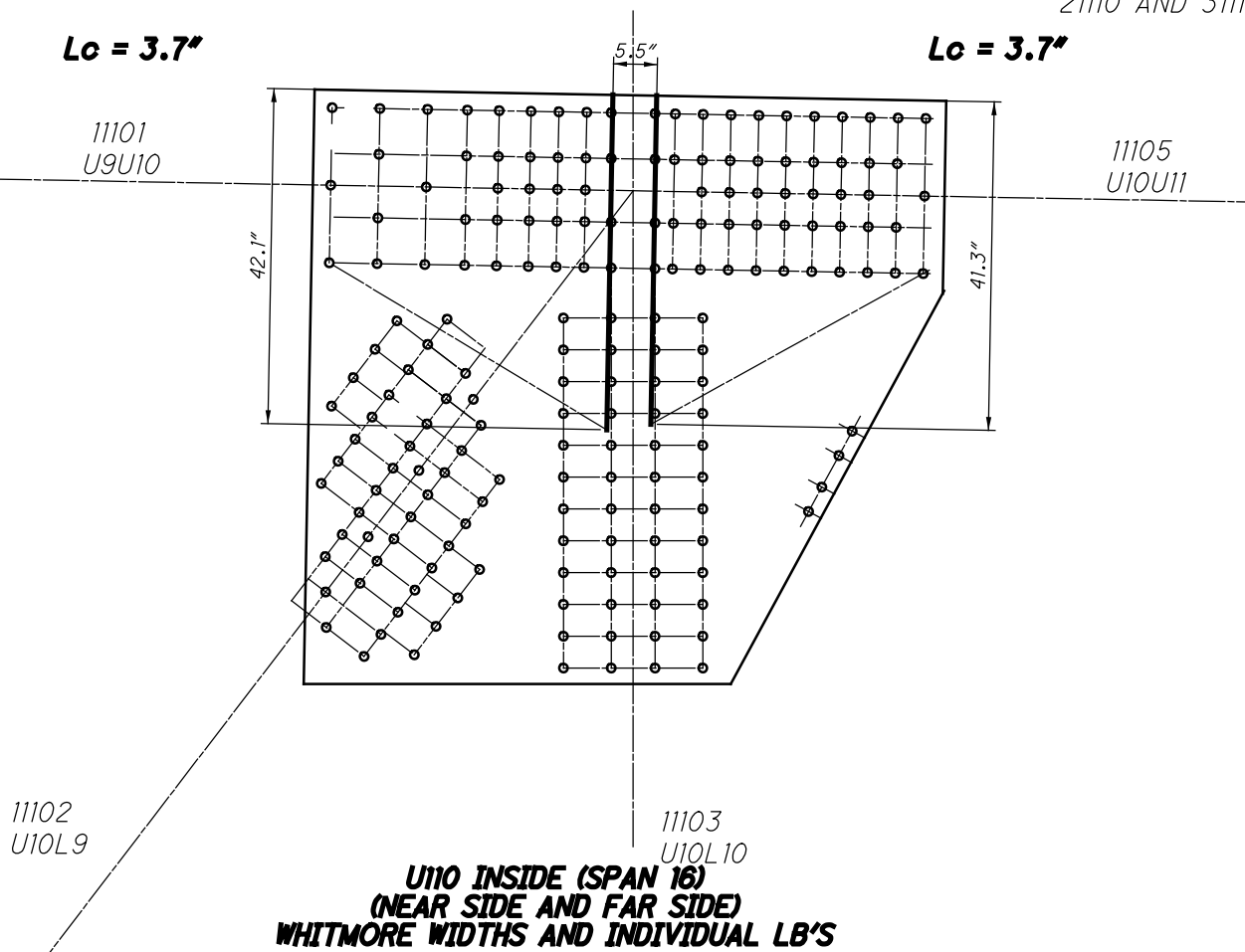
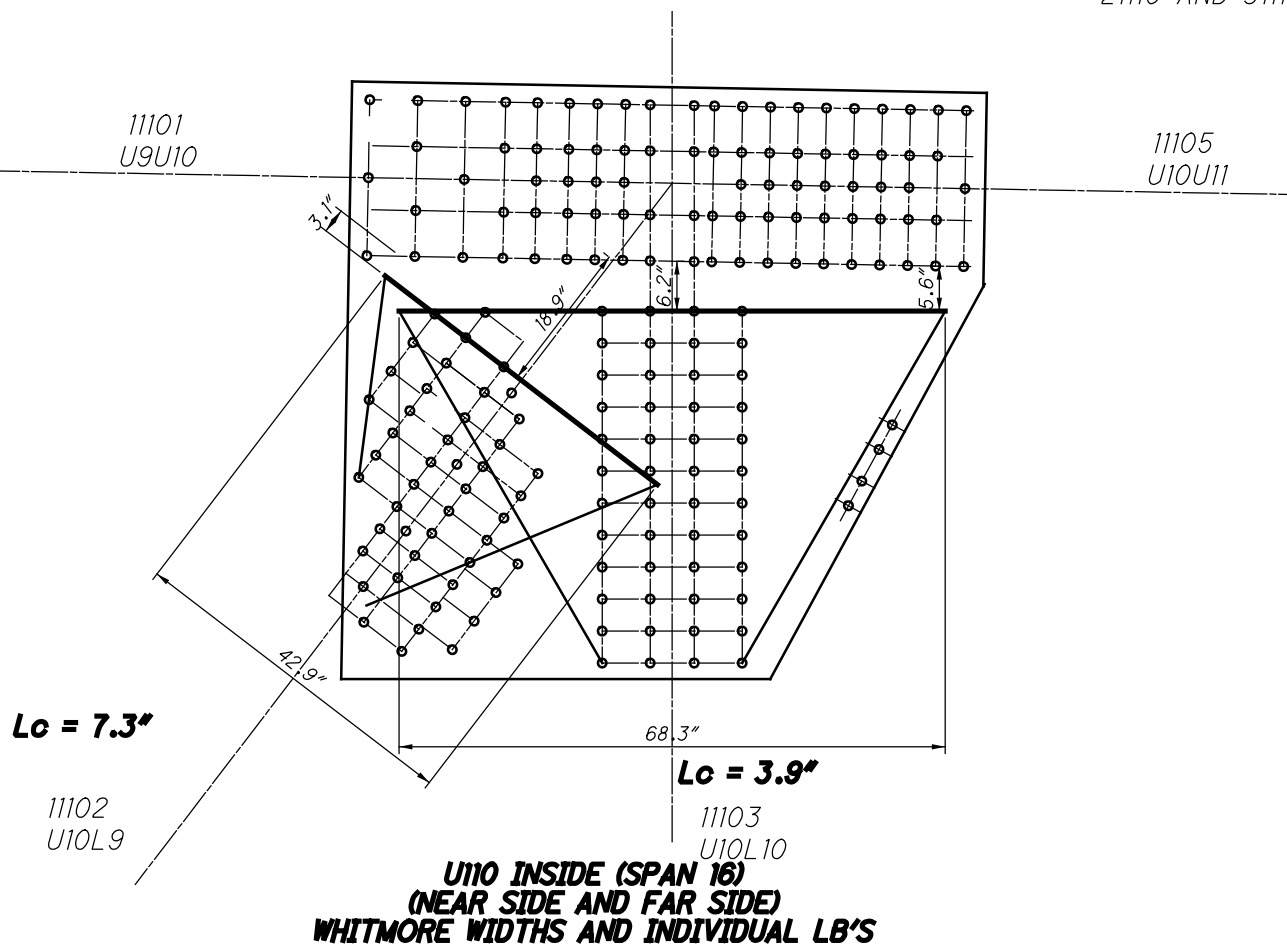


CHORD IS CONTINUOUS



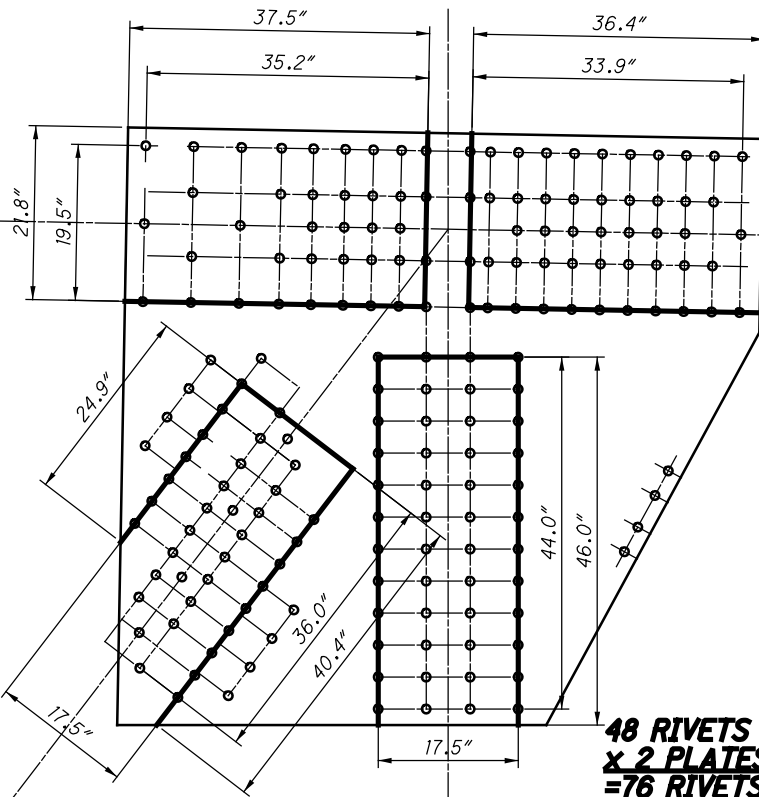


**U110 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**38 RIVETS
x 2 PLATES
=76 RIVETS**

11101
U9U10



**50 RIVETS
x 2 PLATES
=100 RIVETS**

11105
U10U11

**39 RIVETS
x 2 PLATES
=78 RIVETS**

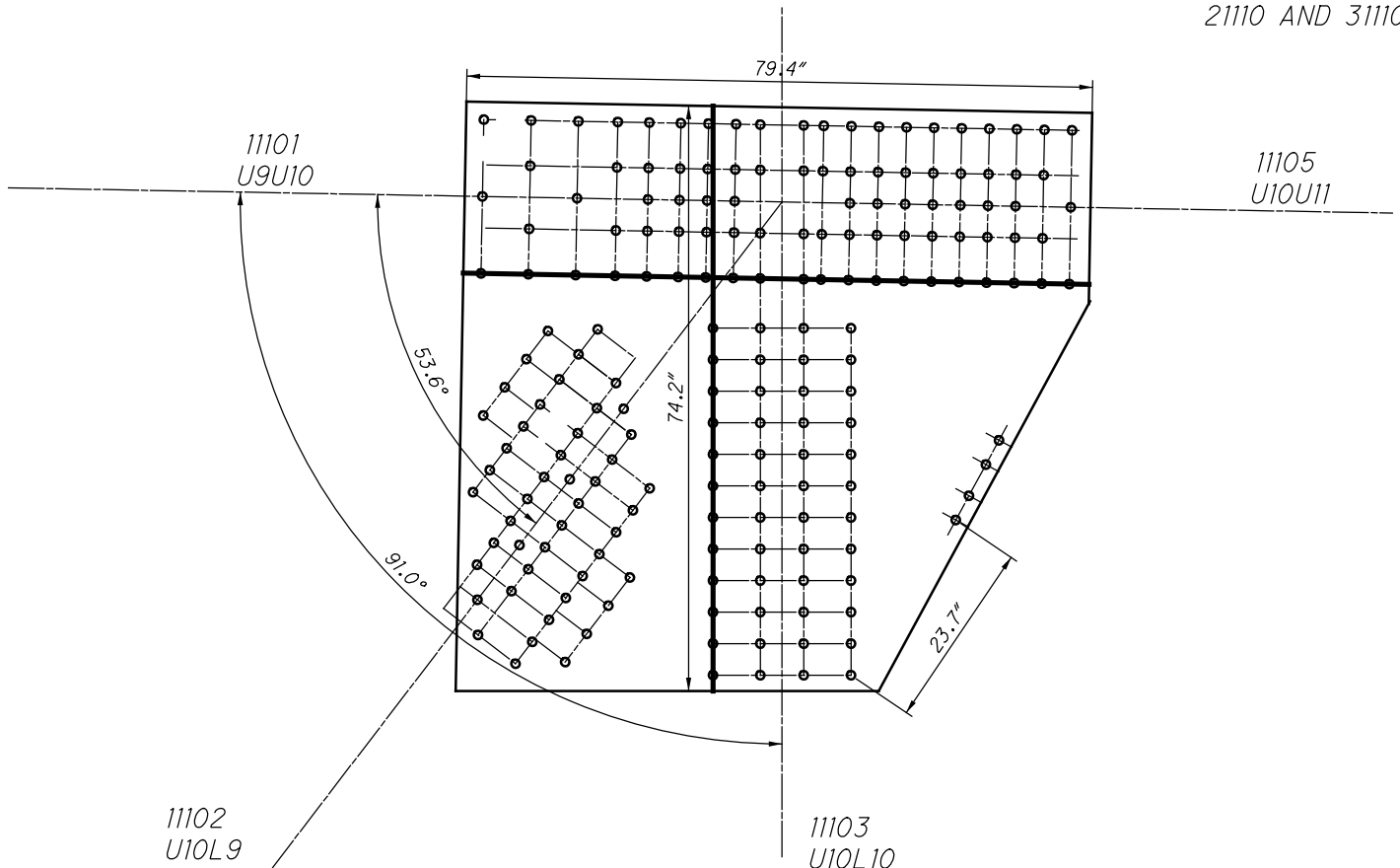
11102
U10L9

**48 RIVETS
x 2 PLATES
=76 RIVETS**

11103
U10L10

**U110 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21110 AND 31110



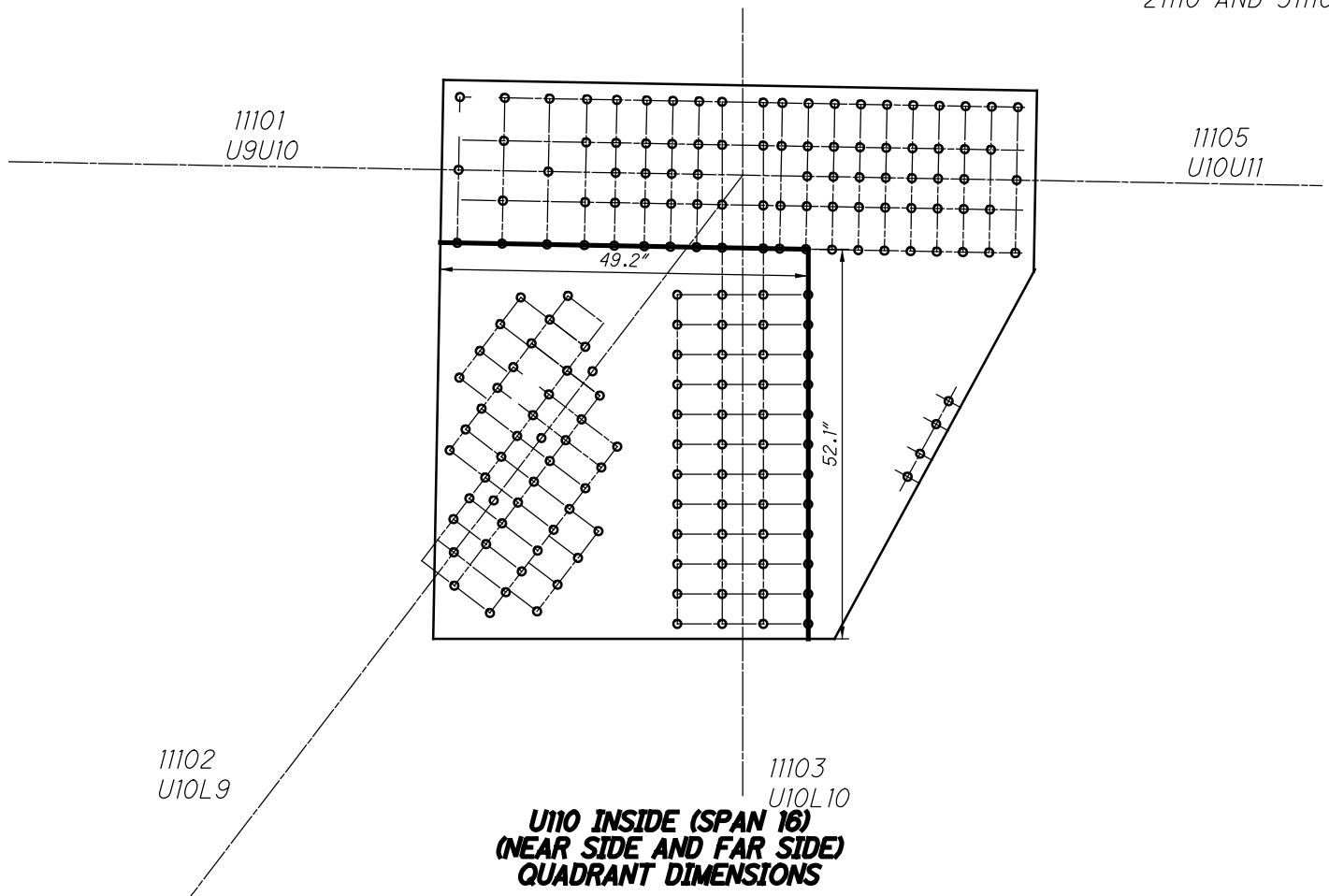
11101
U9U10

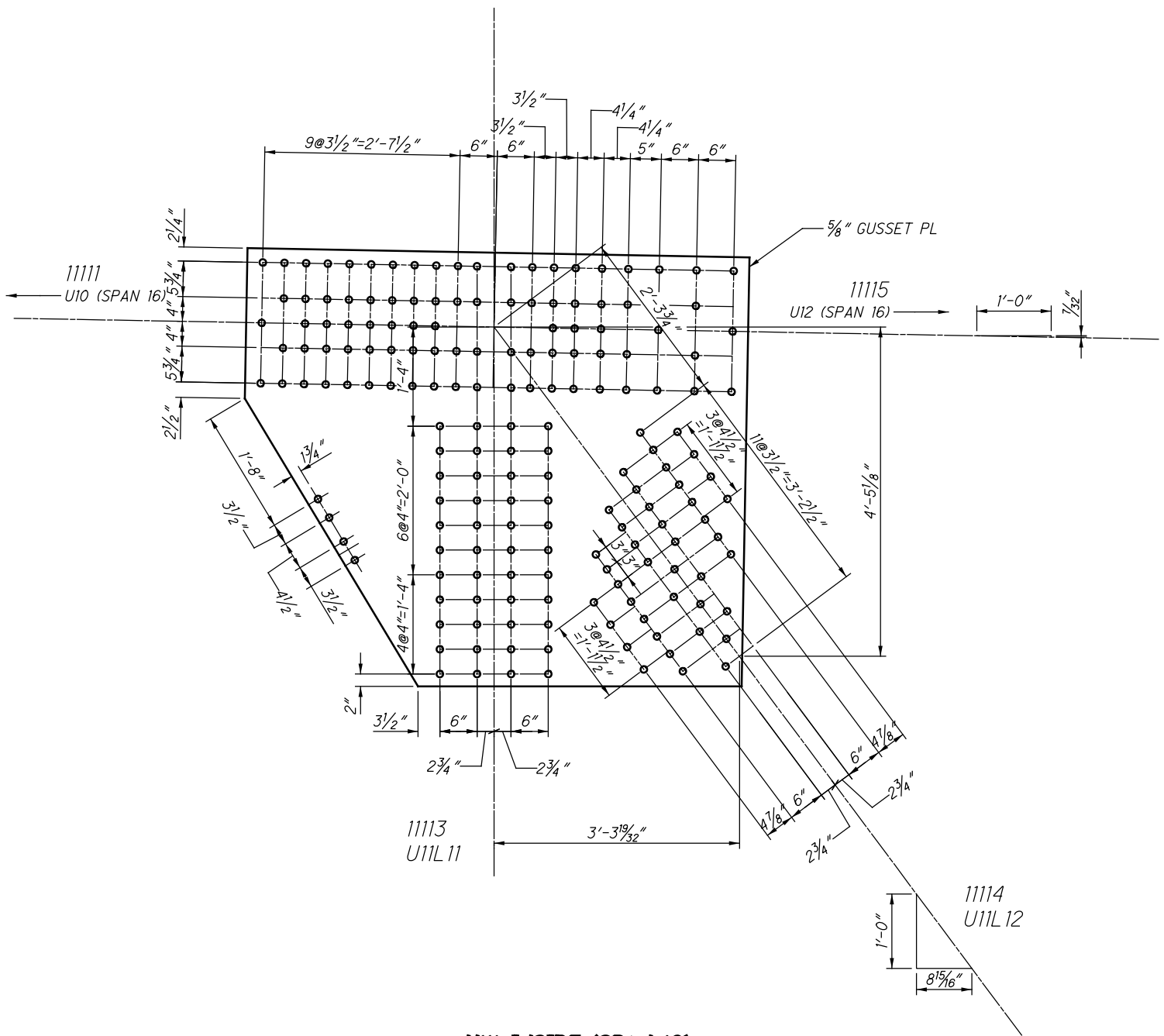
11105
U10U11

11102
U10L9

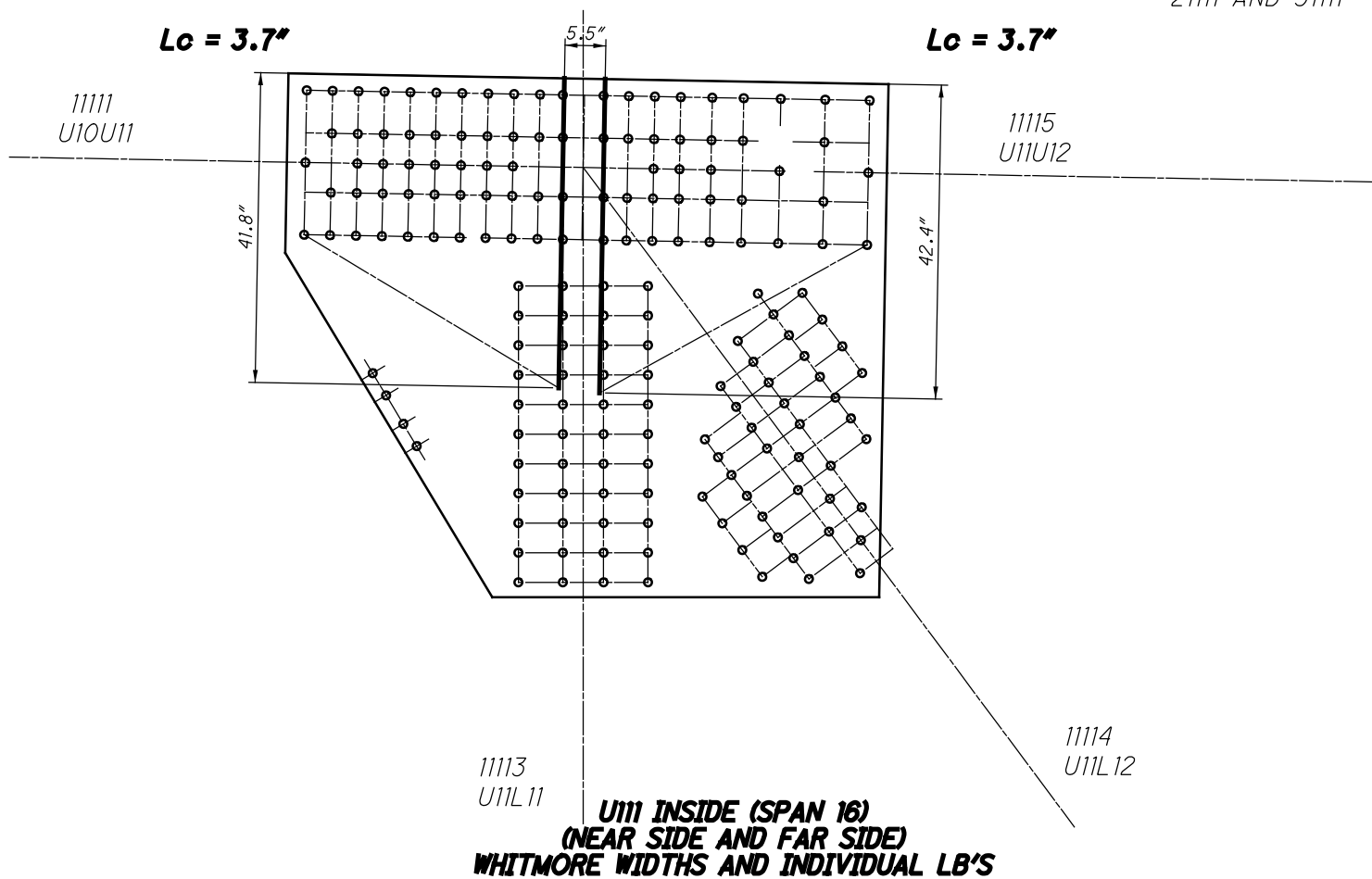
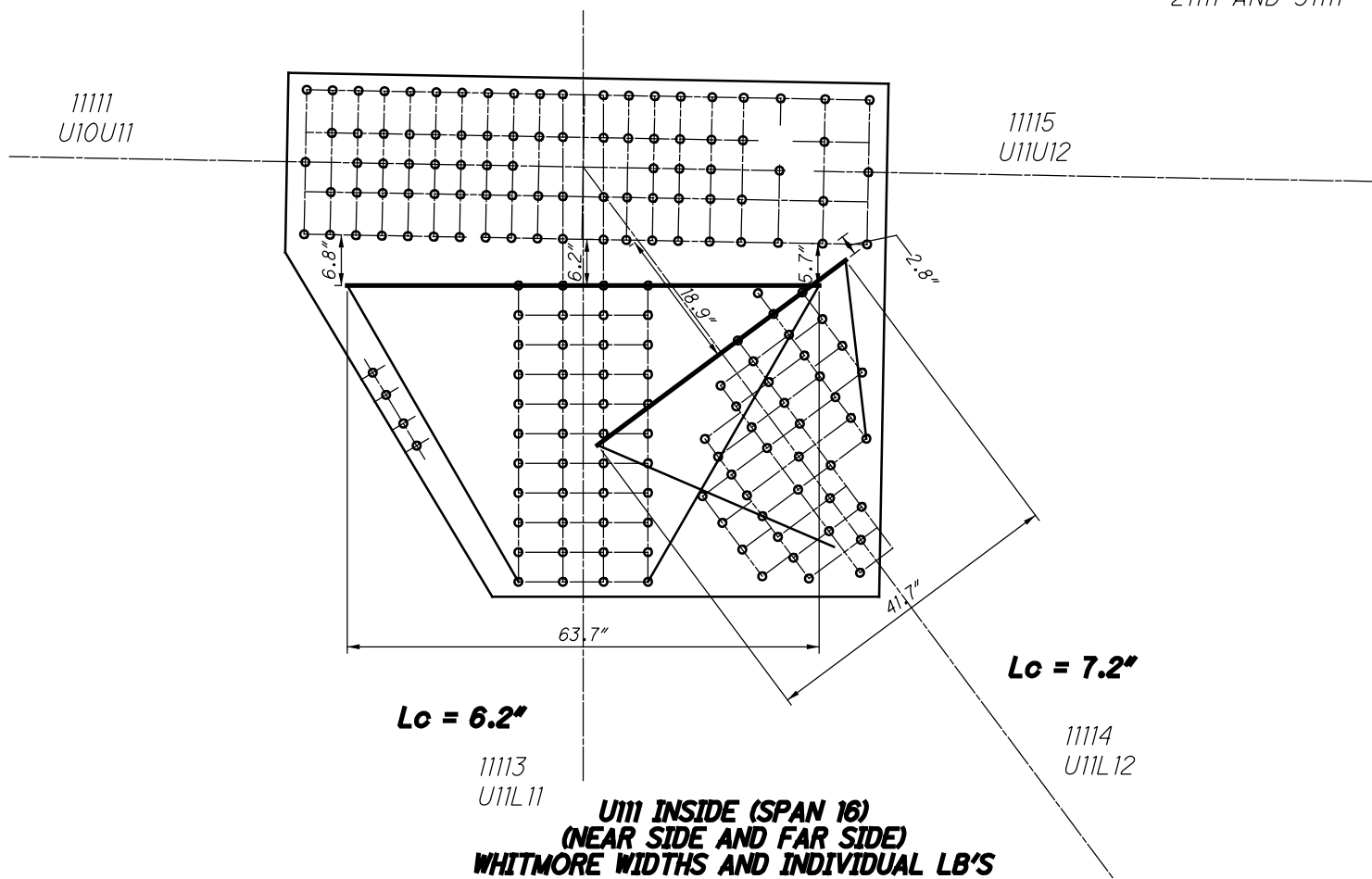
11103
U10L10

**U110 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**





**U111 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



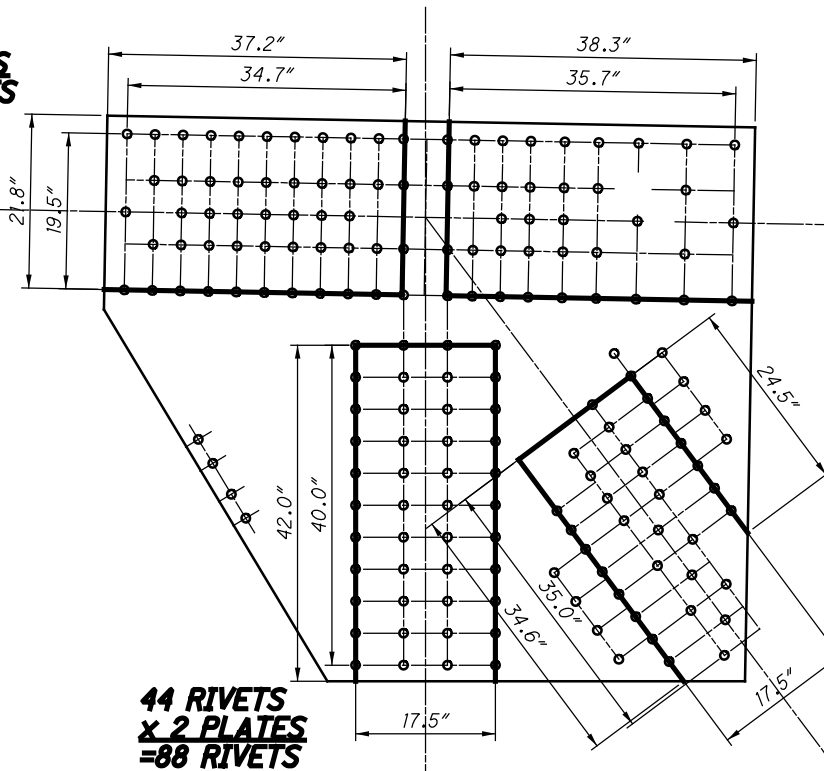
**50 RIVETS
x 2 PLATES
=100 RIVETS**

21111 AND 31111

**37 RIVETS
x 2 PLATES
=74 RIVETS**

11111
U10U11

11115
U11U12



**44 RIVETS
x 2 PLATES
=88 RIVETS**

**33 RIVETS
x 2 PLATES
=66 RIVETS**

11113
U11L11

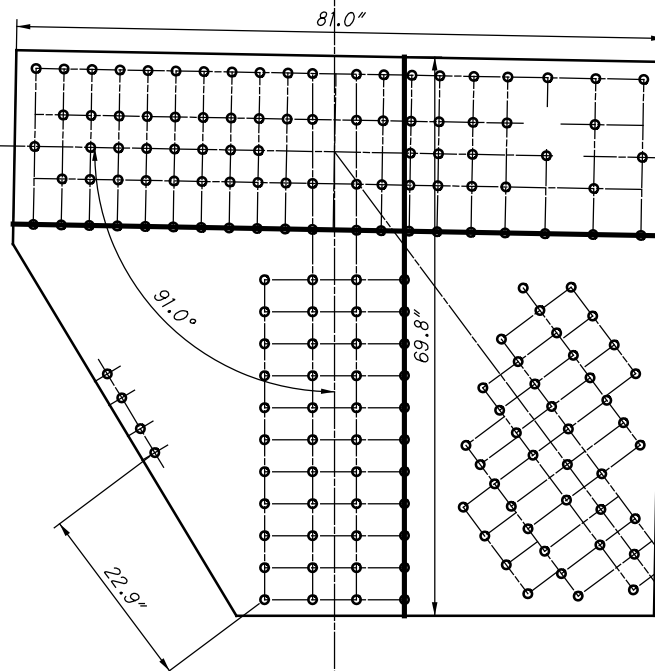
11114
U11L12

**U111 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21111 AND 31111

11111
U10U11

11115
U11U12



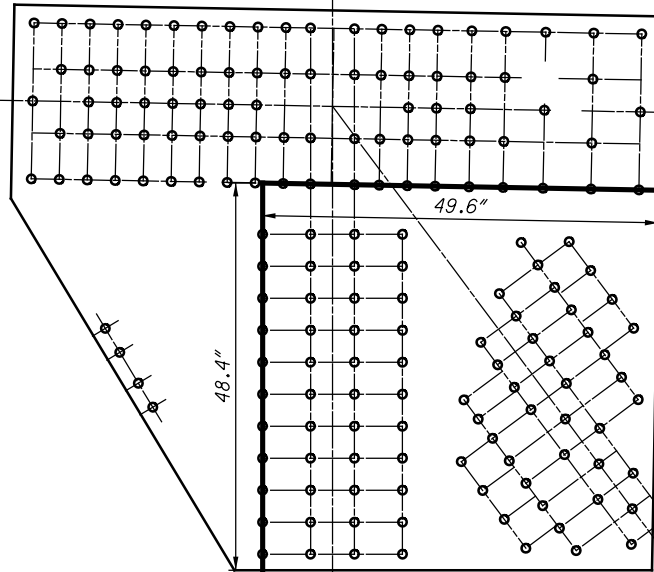
11113
U11L11

11114
U11L12

**U111 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

1111
U10U11

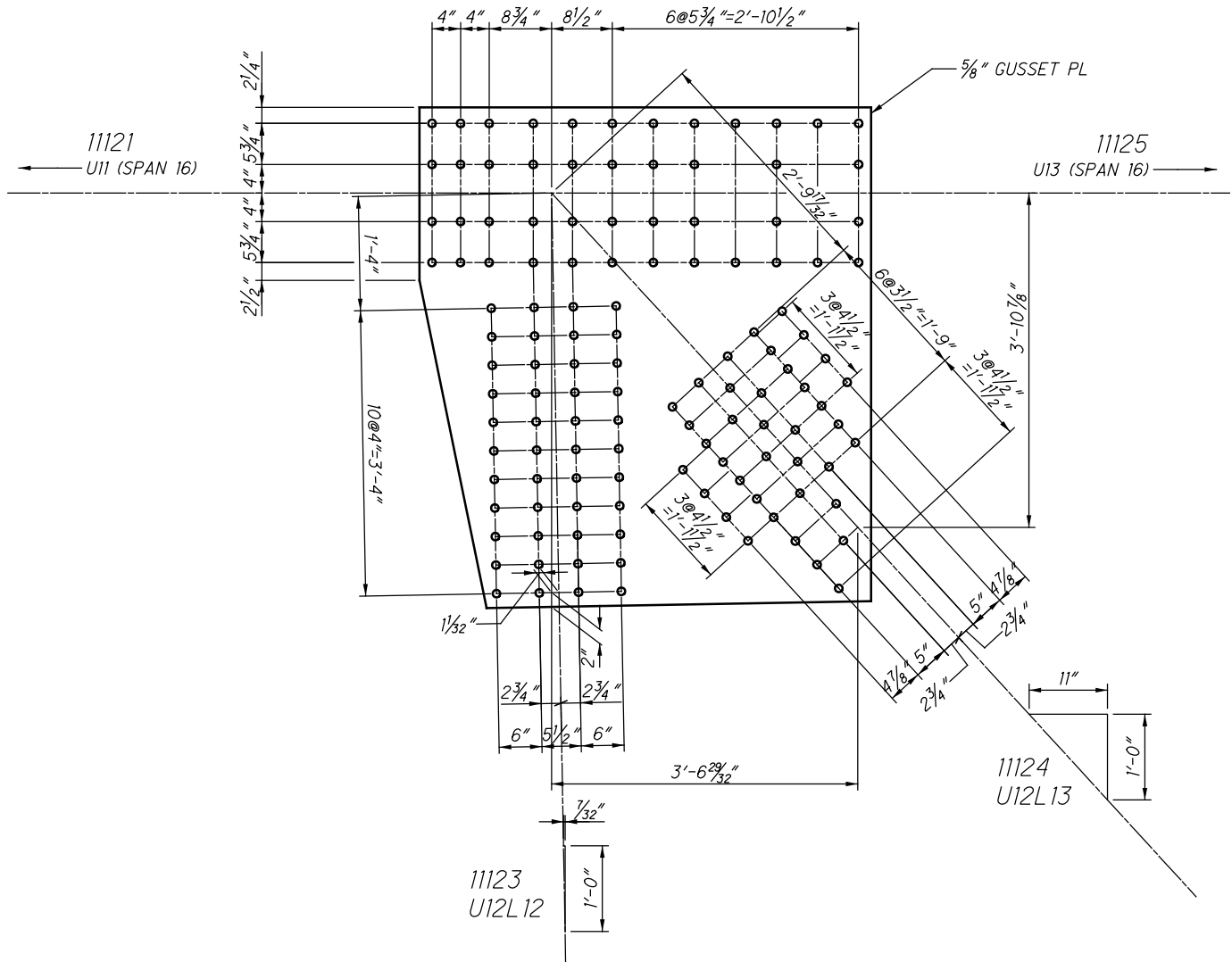
1115
U11U12



1113
U11L11

1114
U11L12

**U111 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

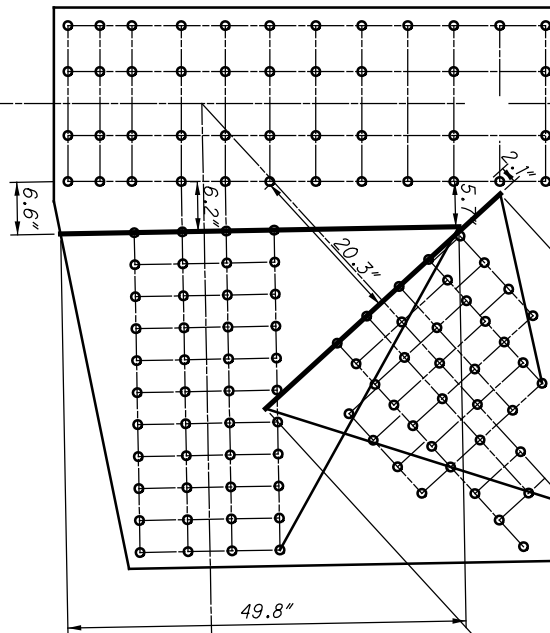


**U112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21112 AND 31112

11121
U11U12

11125
U12U13



$L_c = 6.2"$

$L_c = 7.5"$

11123
U12L12

11124
U12L13

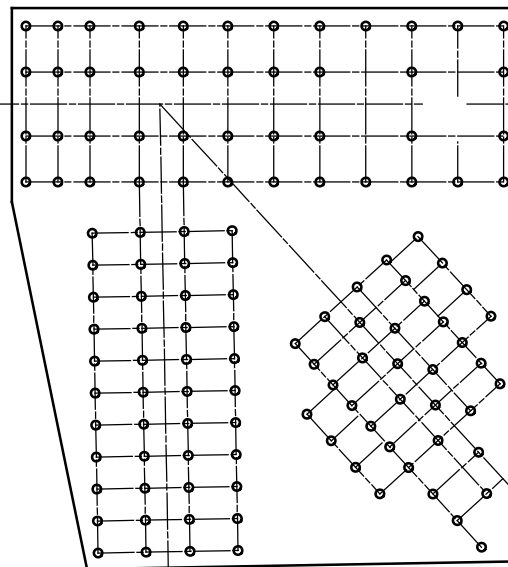
**U112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

21112 AND 31112

11121
U11U12

11125
U12U13



11123
U12L12

11124
U12L13

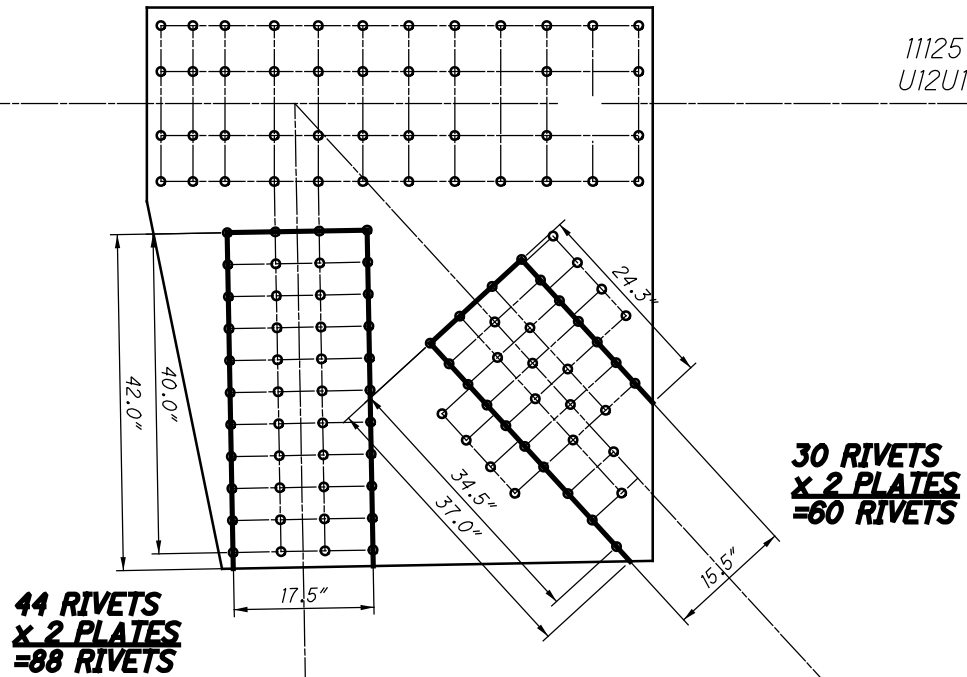
**U112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

21112 AND 31112

11121
U11U12

11125
U12U13



11123
U12L12

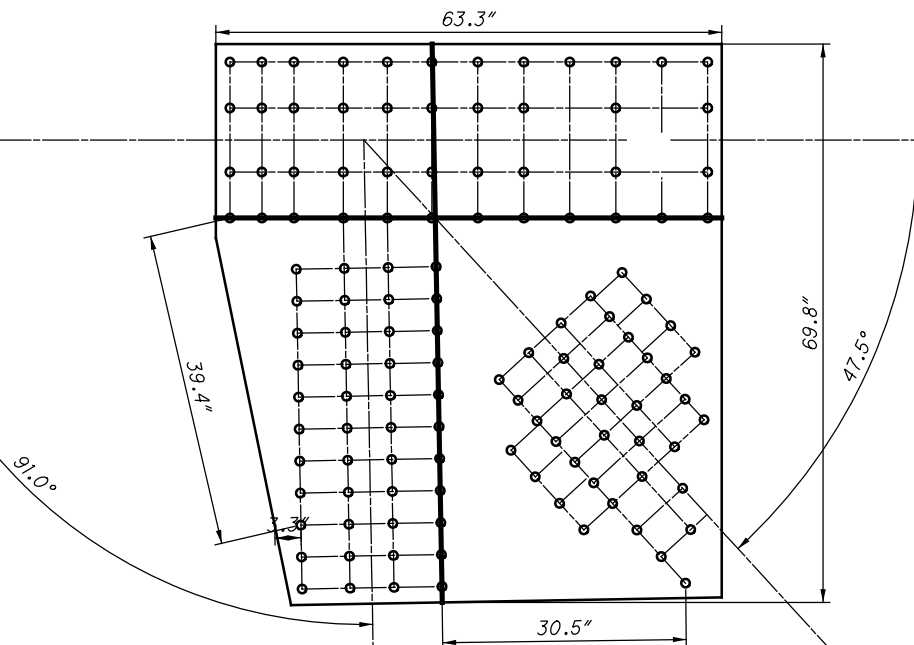
11124
U12L13

**U112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21112 AND 31112

11121
U11U12

11125
U12U13



11123
U12L12

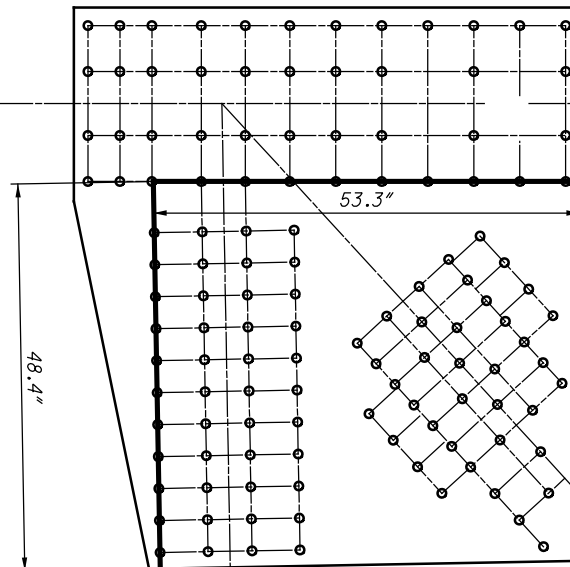
11124
U12L13

**U112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

21112 AND 31112

11121
U11U12

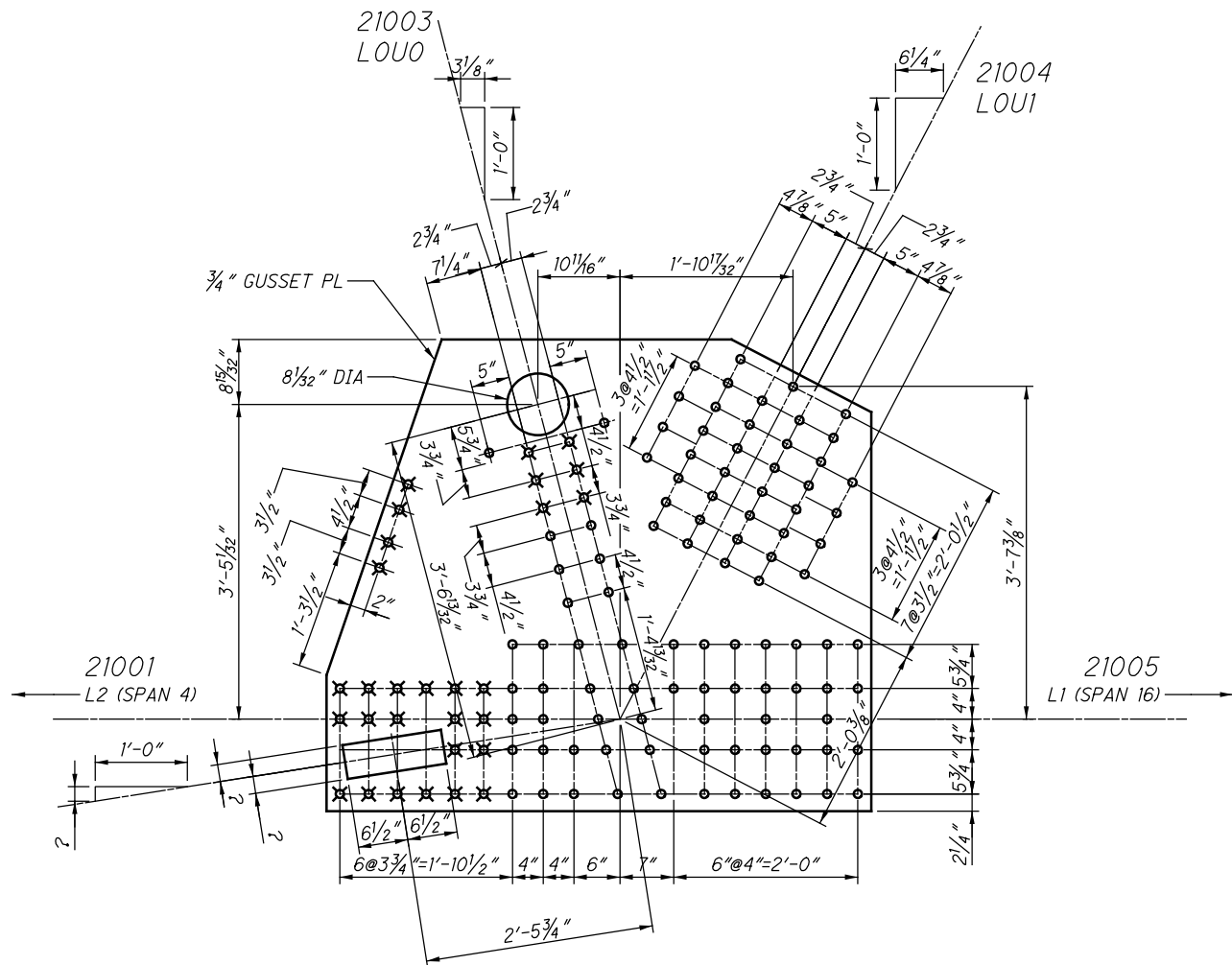
11125
U12U13



11123
U12L12

11124
U12L13

**U112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**L100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

22100 AND 32100

21003
LOU0

$L_c = 5.1''$

21004
LOU1

21001
L2LO

21005
LOL1

51.8"
**L100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21003
LOU0

21004
LOU1

21001
L2LO

21005
LOL1

15.4"
**L100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 10.3''$

47.7"

22100 AND 32100

21003
LOU0

21004
LOU1

**31 RIVETS
x 2 PLATES
= 62 RIVETS**

21001
L2LO

21005
LOL1

**51 RIVETS
x 2 PLATES
= 102 RIVETS**

**L100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21003
LOU0

21004
LOU1

21001
L2LO

21005
LOL1

**L100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

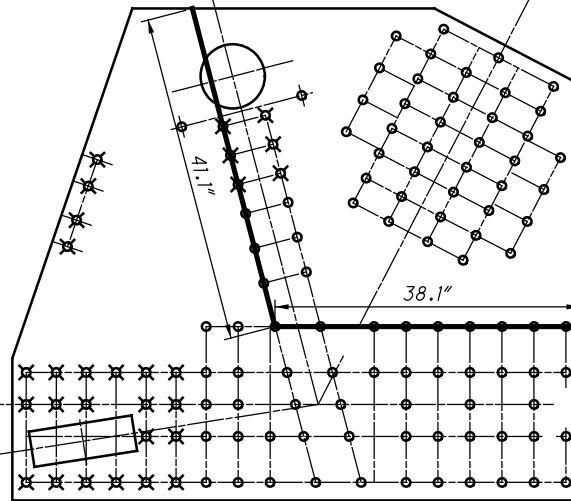
22100 AND 32100

21003
LOU0

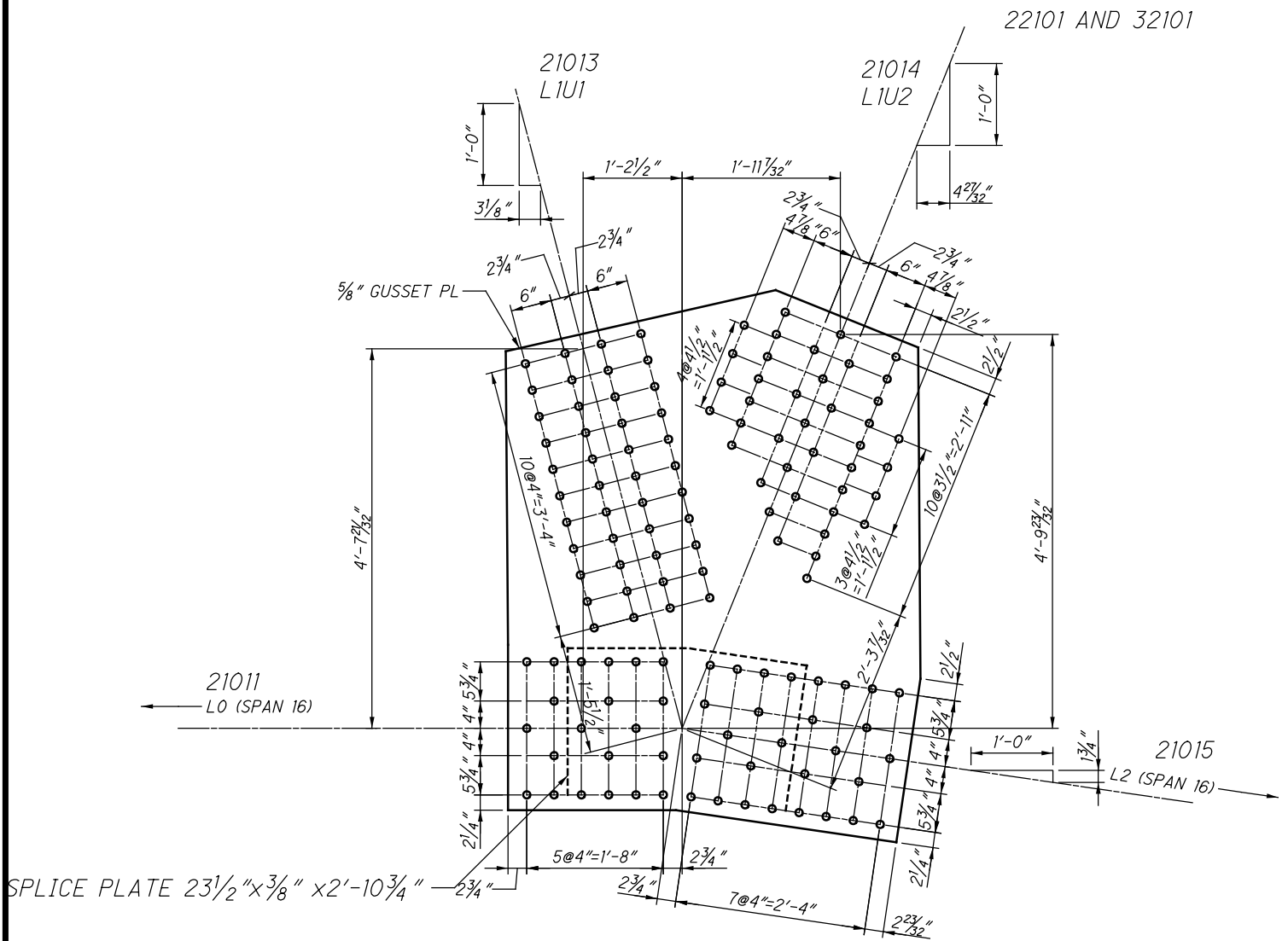
21004
LOU1

21001
LOL1

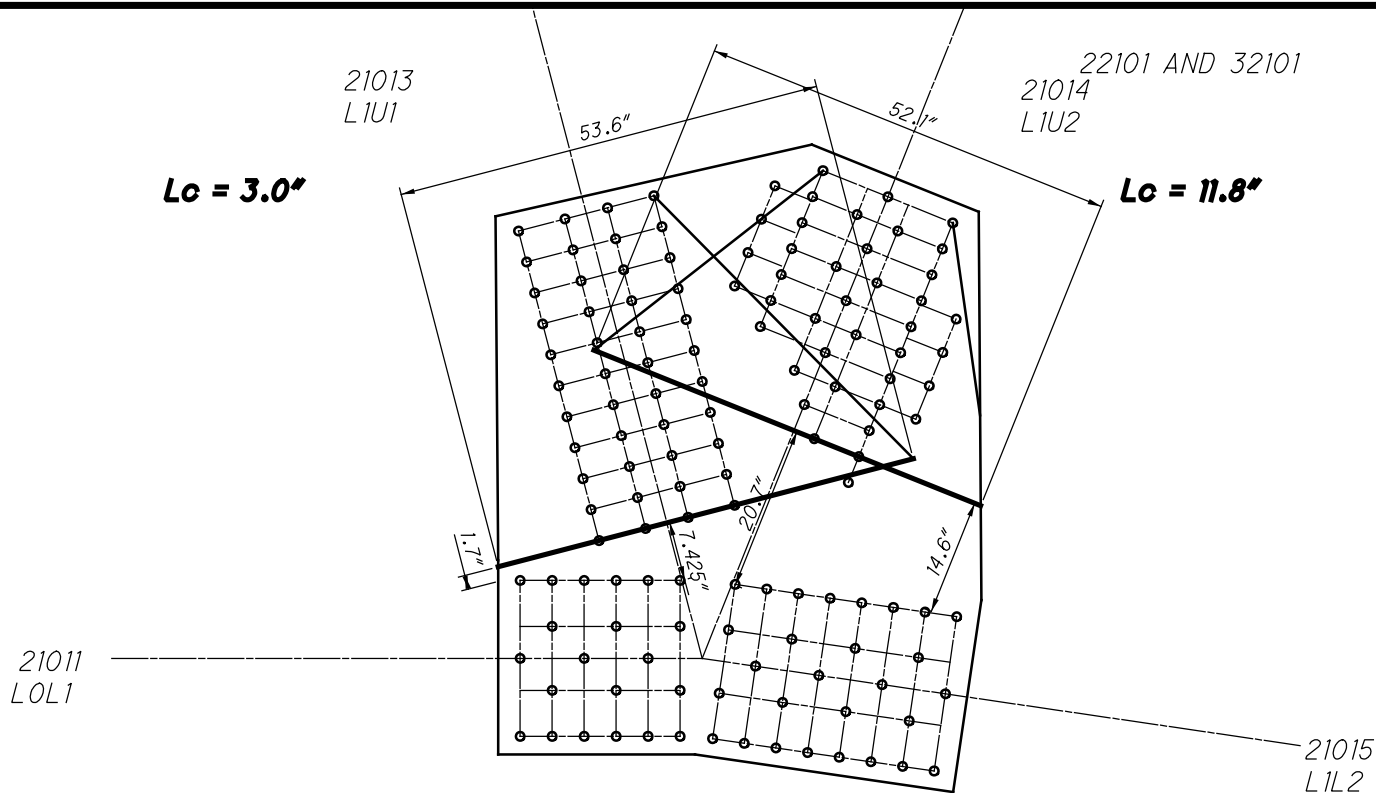
21005
LOL1



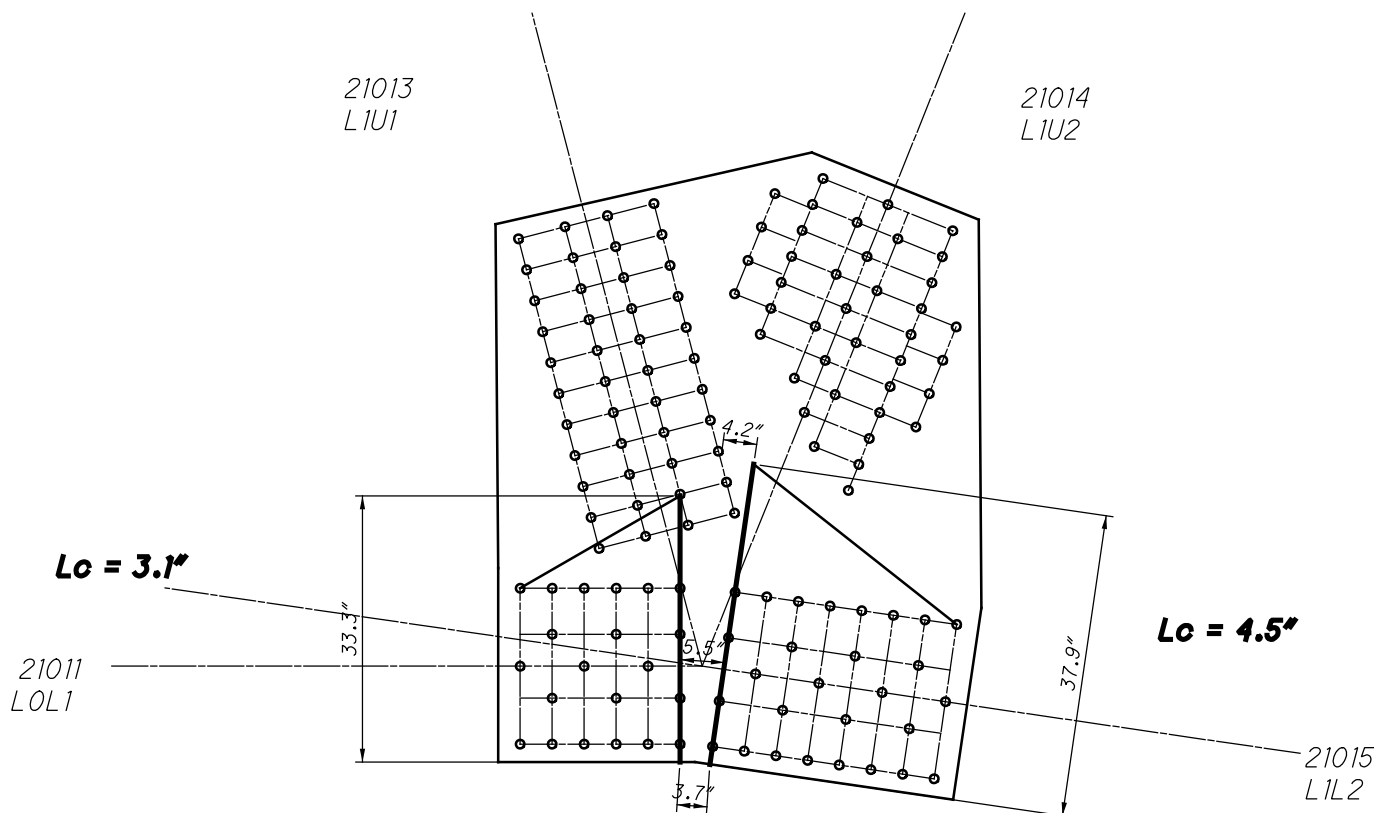
**L100 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



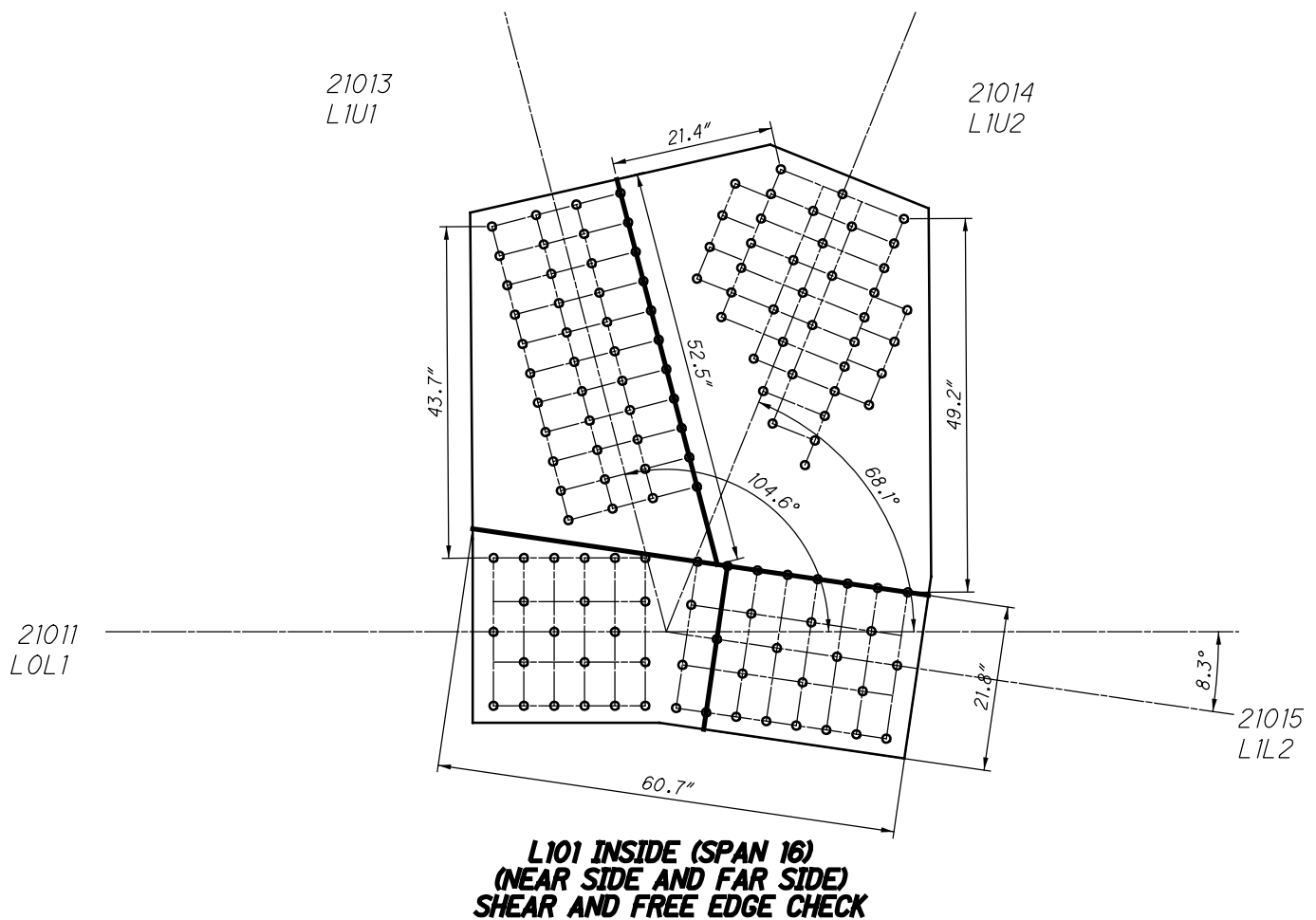
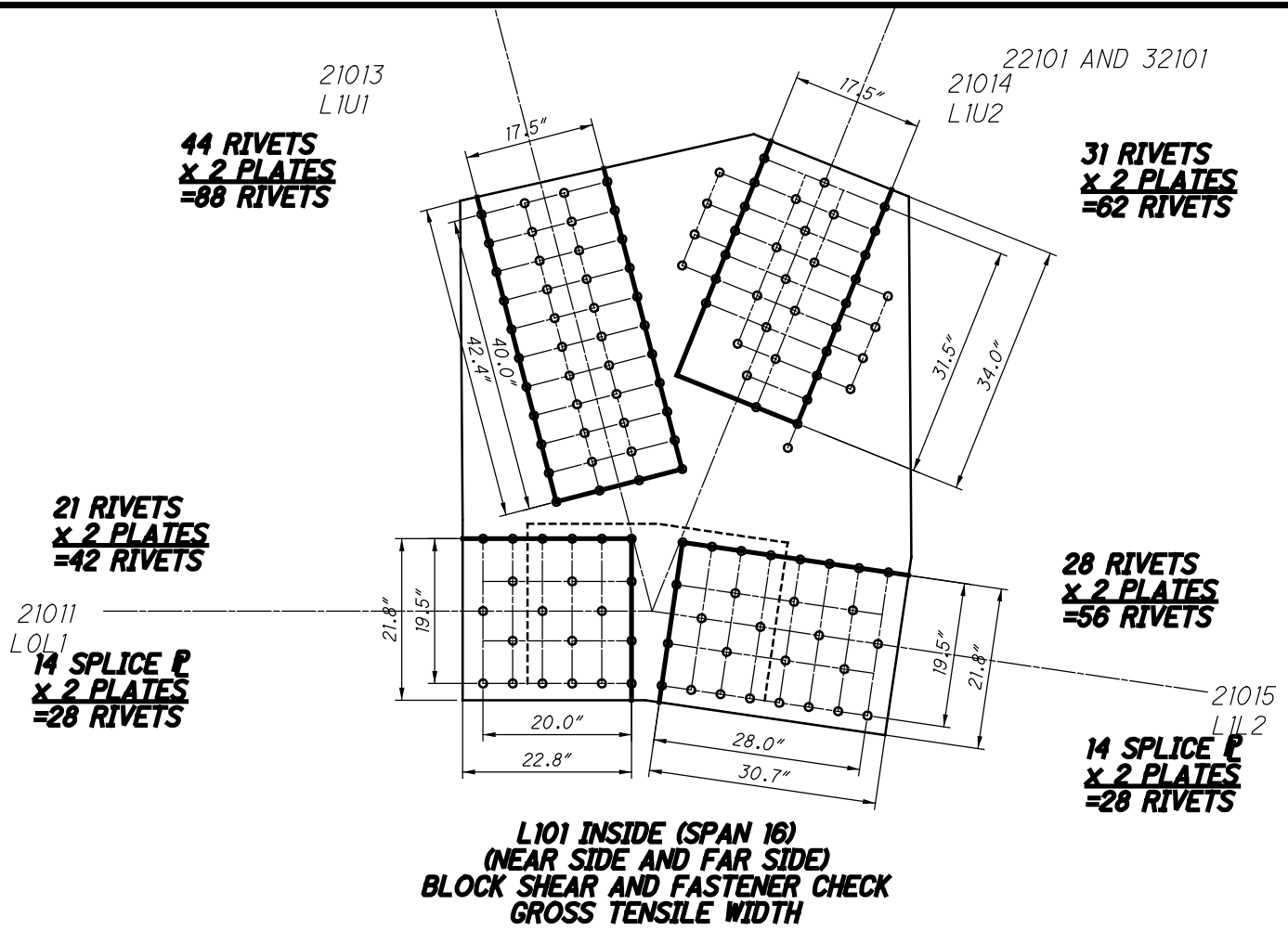
**L101 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**L101 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

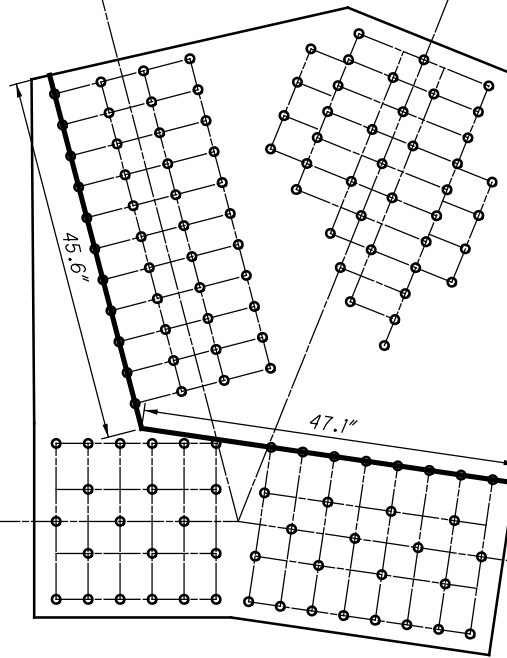


**L101 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



21013
L1U1

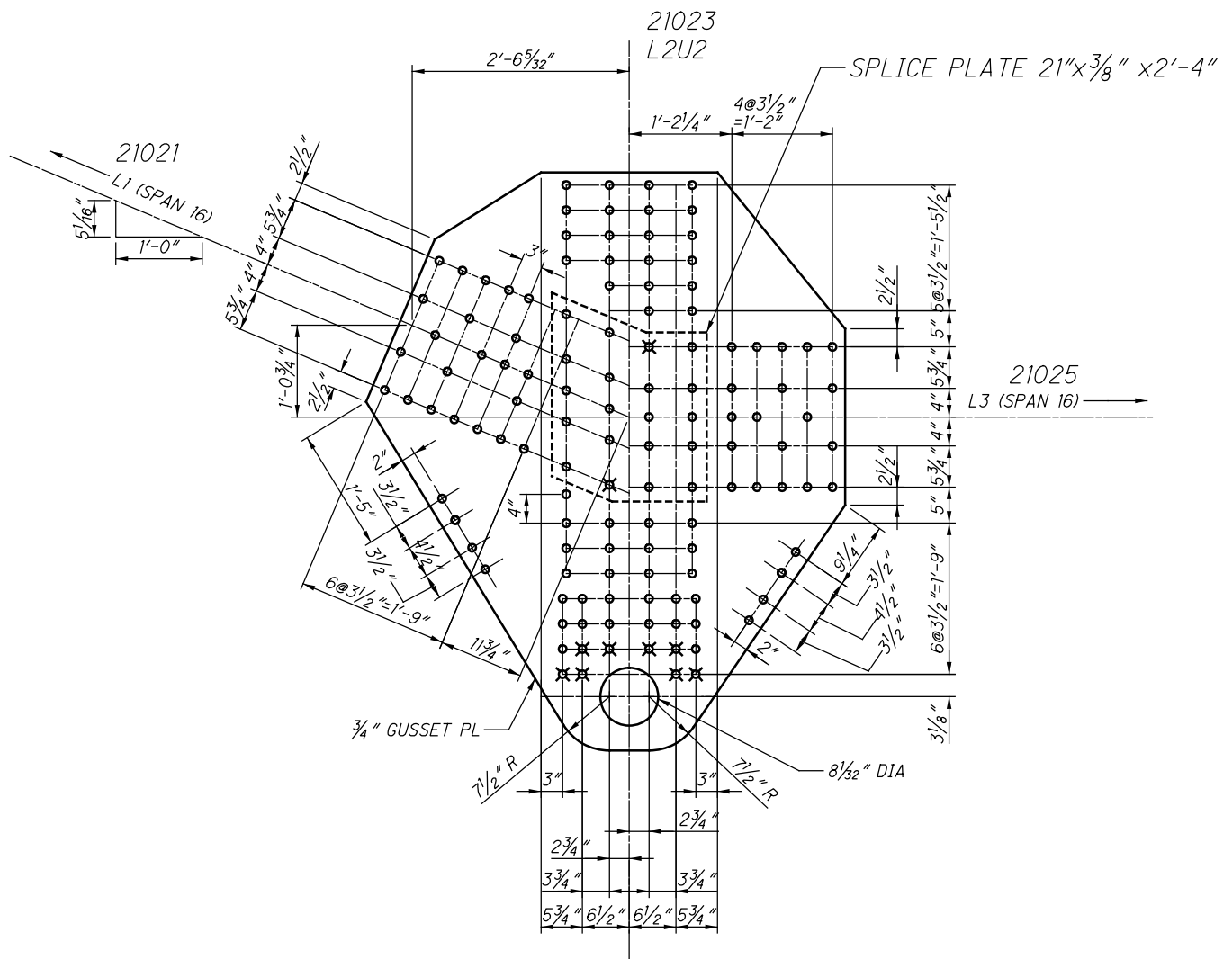
22101 AND 32101
21014
L1U2



21011
L0L1

21015
L1L2

**L101 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

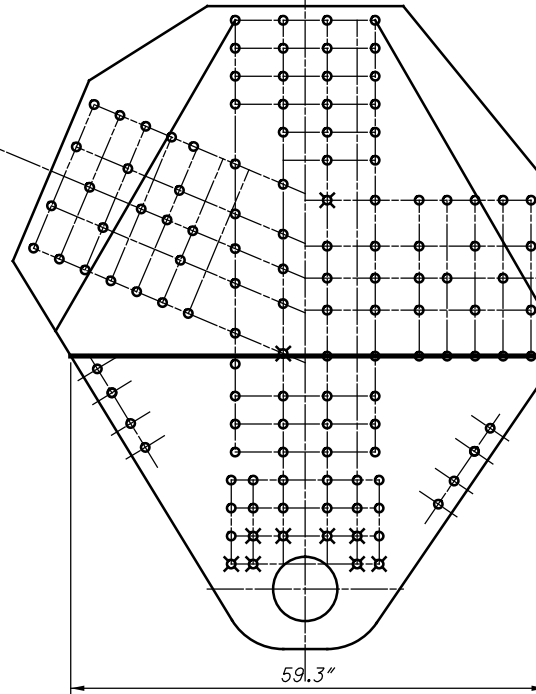


**L102 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21023
L2U2

22102 AND 32102

21021
L1L2



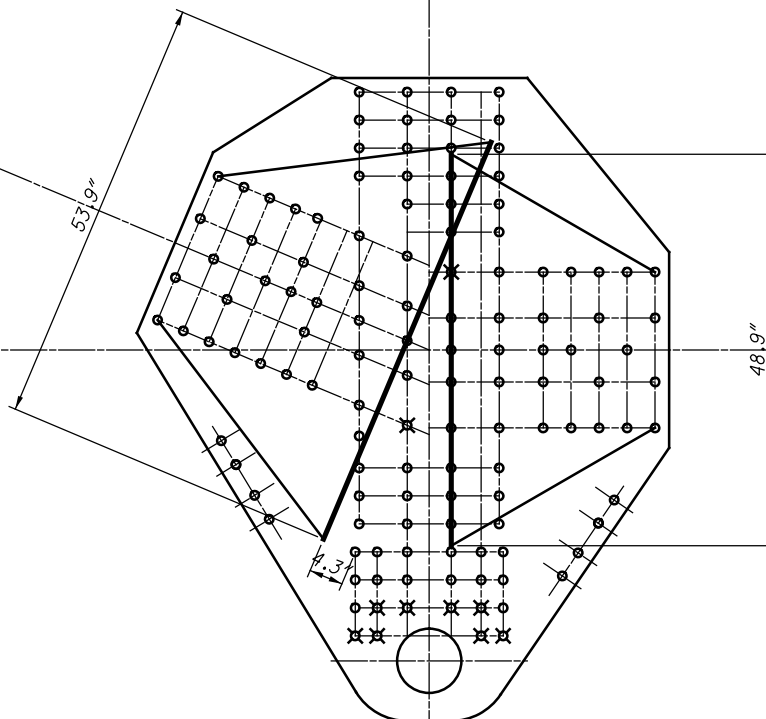
21025
L2L3

**L102 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21023
L2U2

21021
L1L2

$L_c = 1.4"$



$L_c = 0"$

21025
L2L3

**L102 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21023
L2U2

22102 AND 32102

**32 RIVETS
x 2 PLATES
=64 RIVETS**

21021
L1L2

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

**29 RIVETS
x 2 PLATES
=58 RIVETS**

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

21025
L2L3

**L102 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21023
L2U2

21021
L1L2

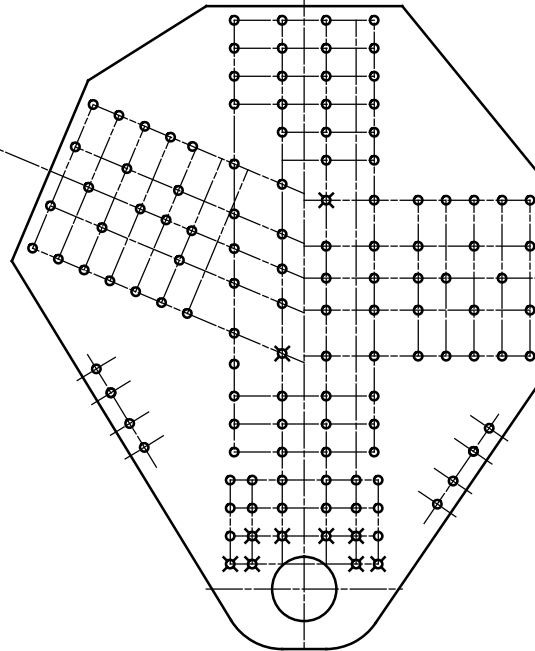
21025
L2L3

**L102 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

21023
L2U2

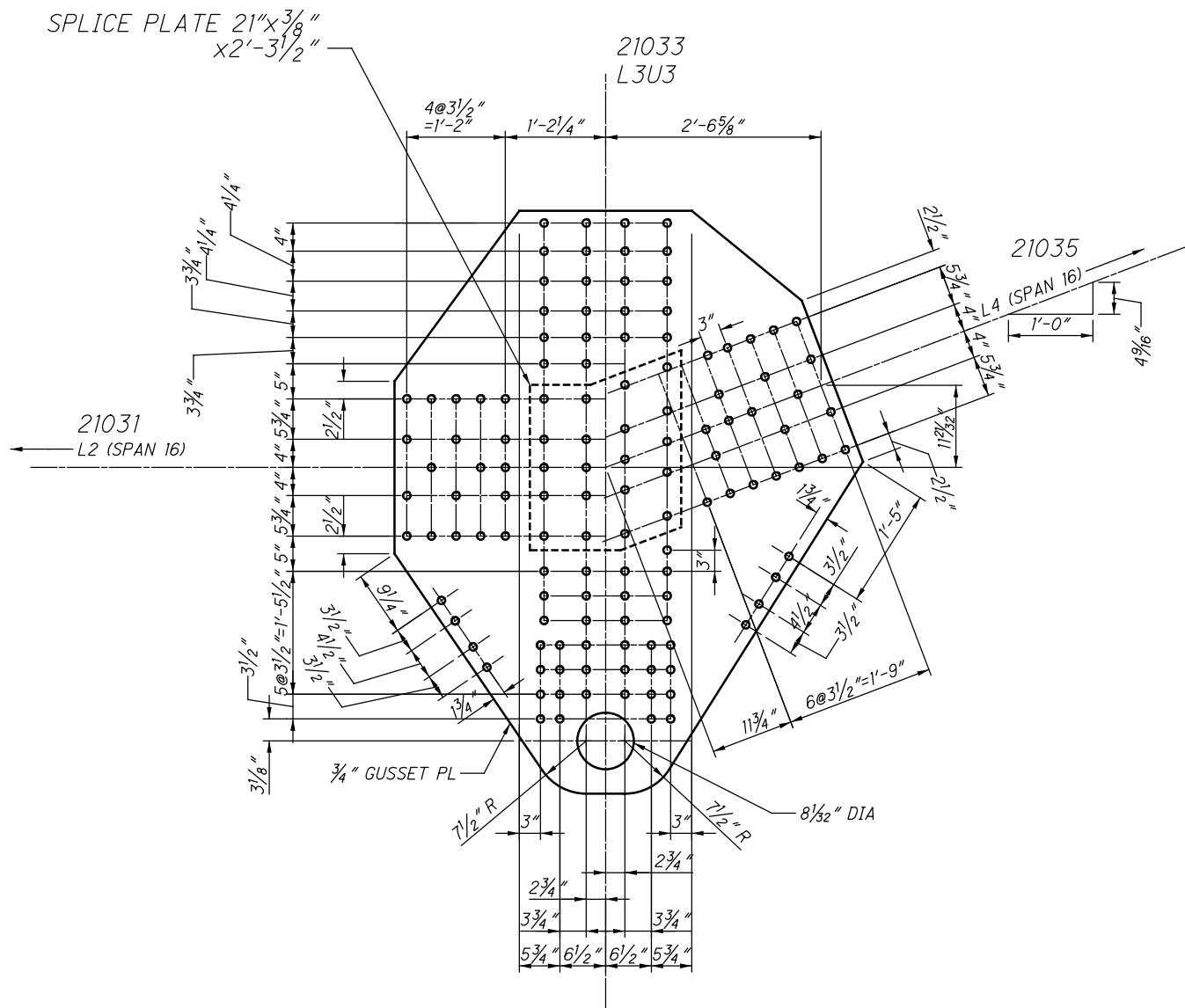
22102 AND 32102

21021
L1L2



21025
L2L3

**L102 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



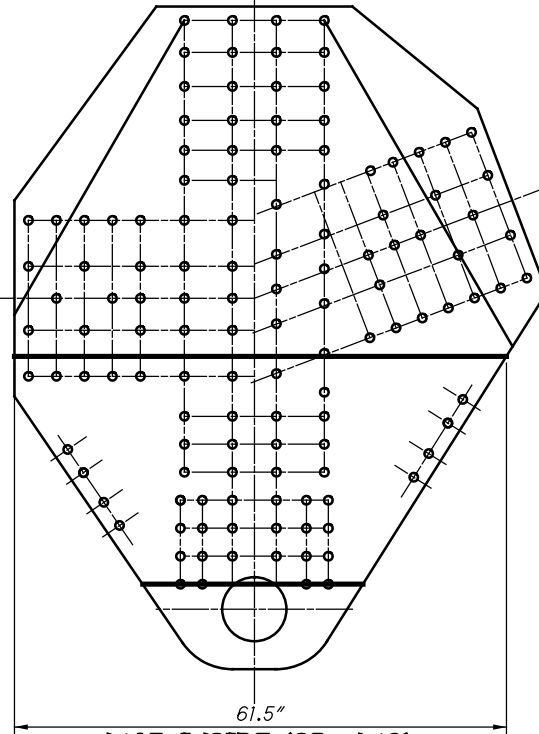
**L103 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21033
L3U3

22103 AND 32103

21035
L3L4

21031
L2L3



**L103 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21033
L3U3

21035
L3L4

21031
L2L3

$L_c = 0"$

48.9"

53.9"

$L_c = 1.1"$

3.3"

**L103 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21033
L3U3

22103 AND 32103

**32 RIVETS
x 2 PLATES
=64 RIVETS**

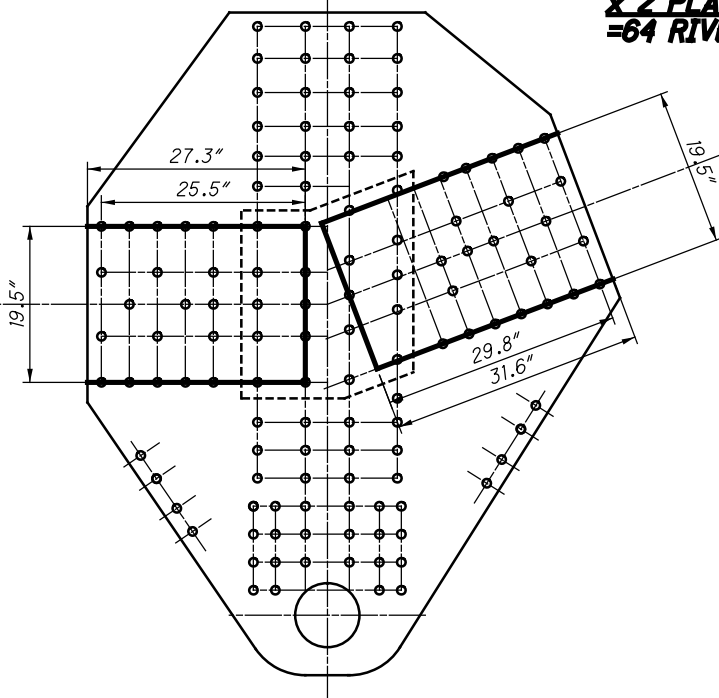
21035
L3L4

**29 RIVETS
x 2 PLATES
=58 RIVETS**

21031
L2L3

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

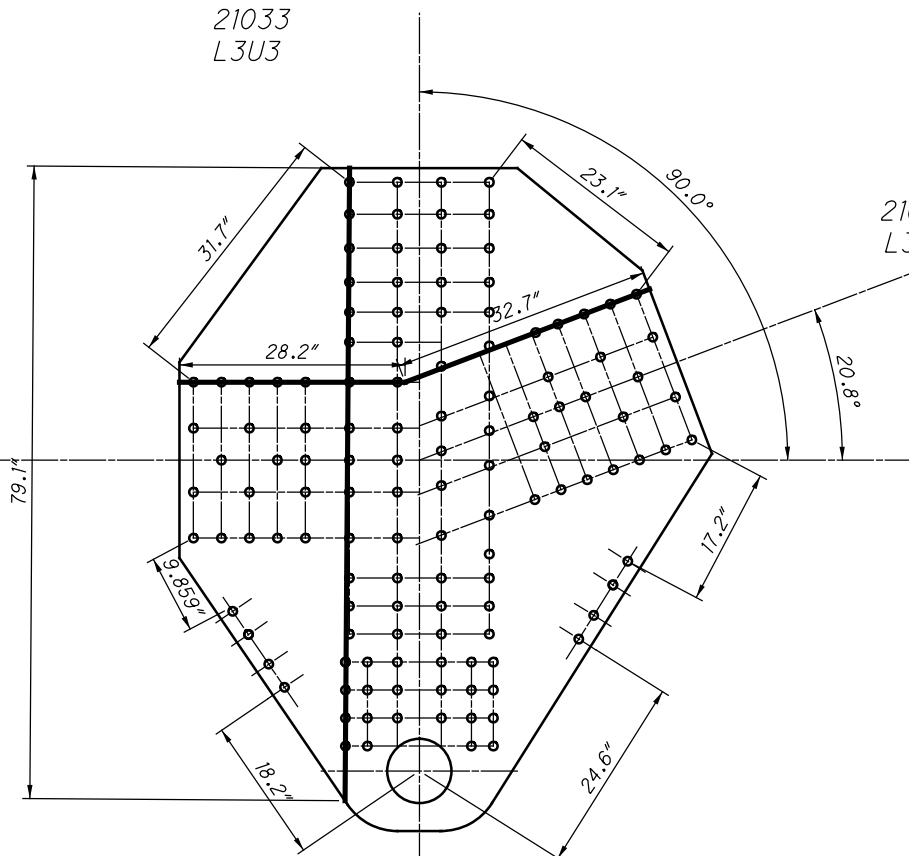


**L103 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21033
L3U3

21035
L3L4

21031
L2L3



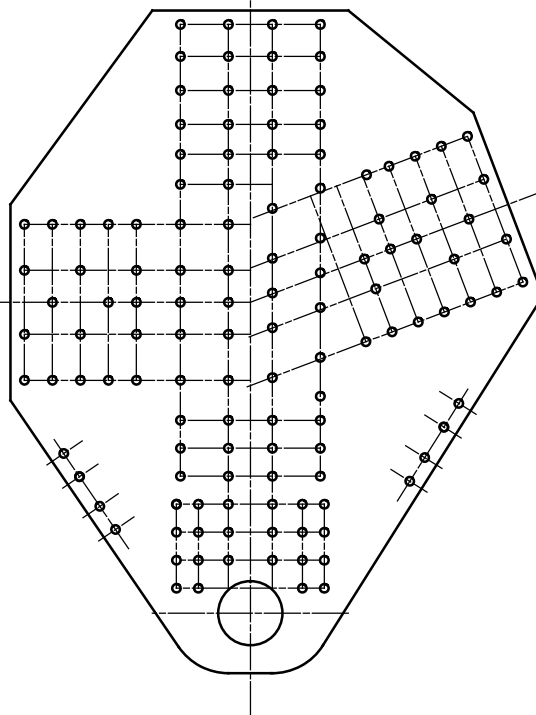
**L103 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

21033
L3U3

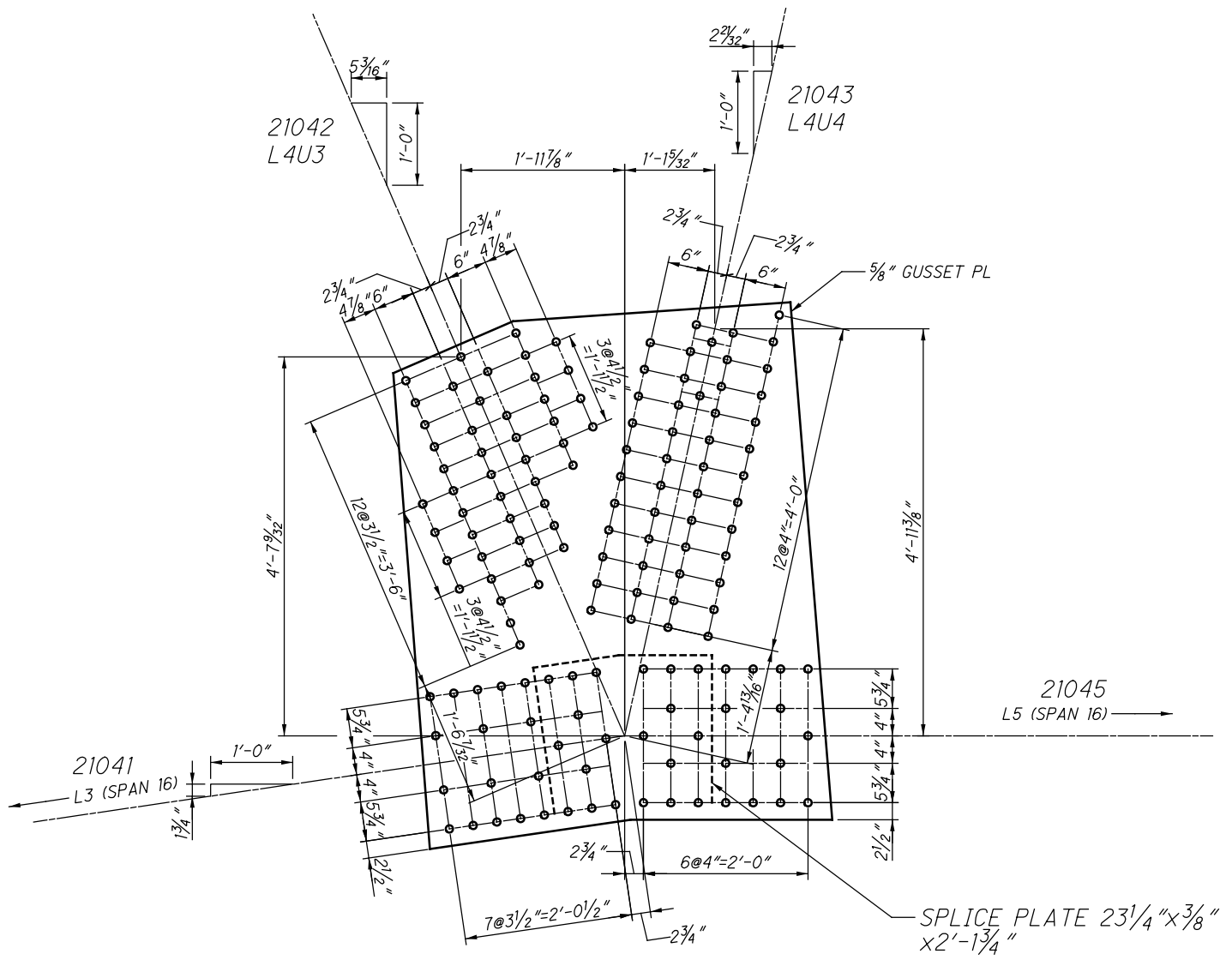
22103 AND 32103

21035
L3L4

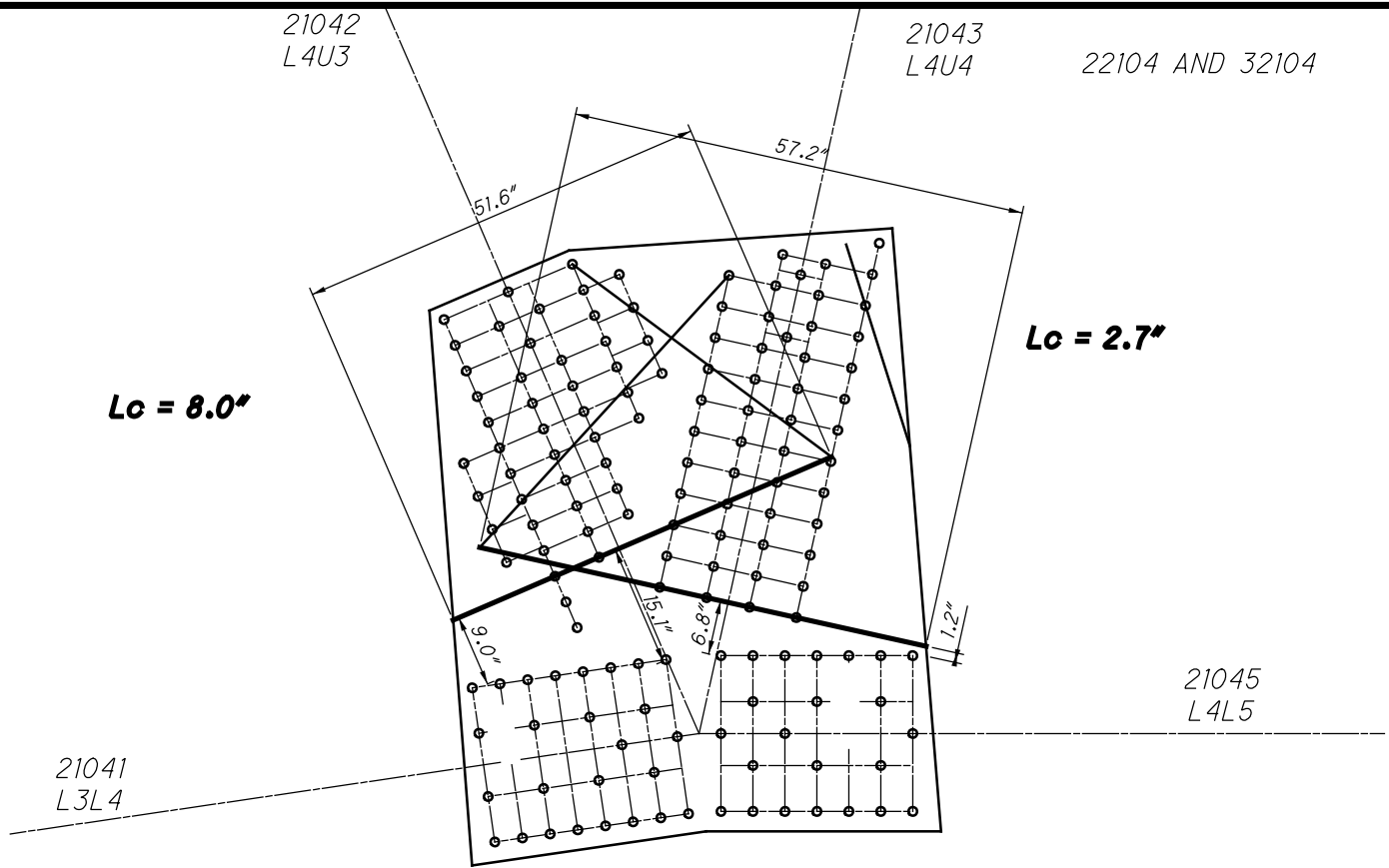
21031
L2L3



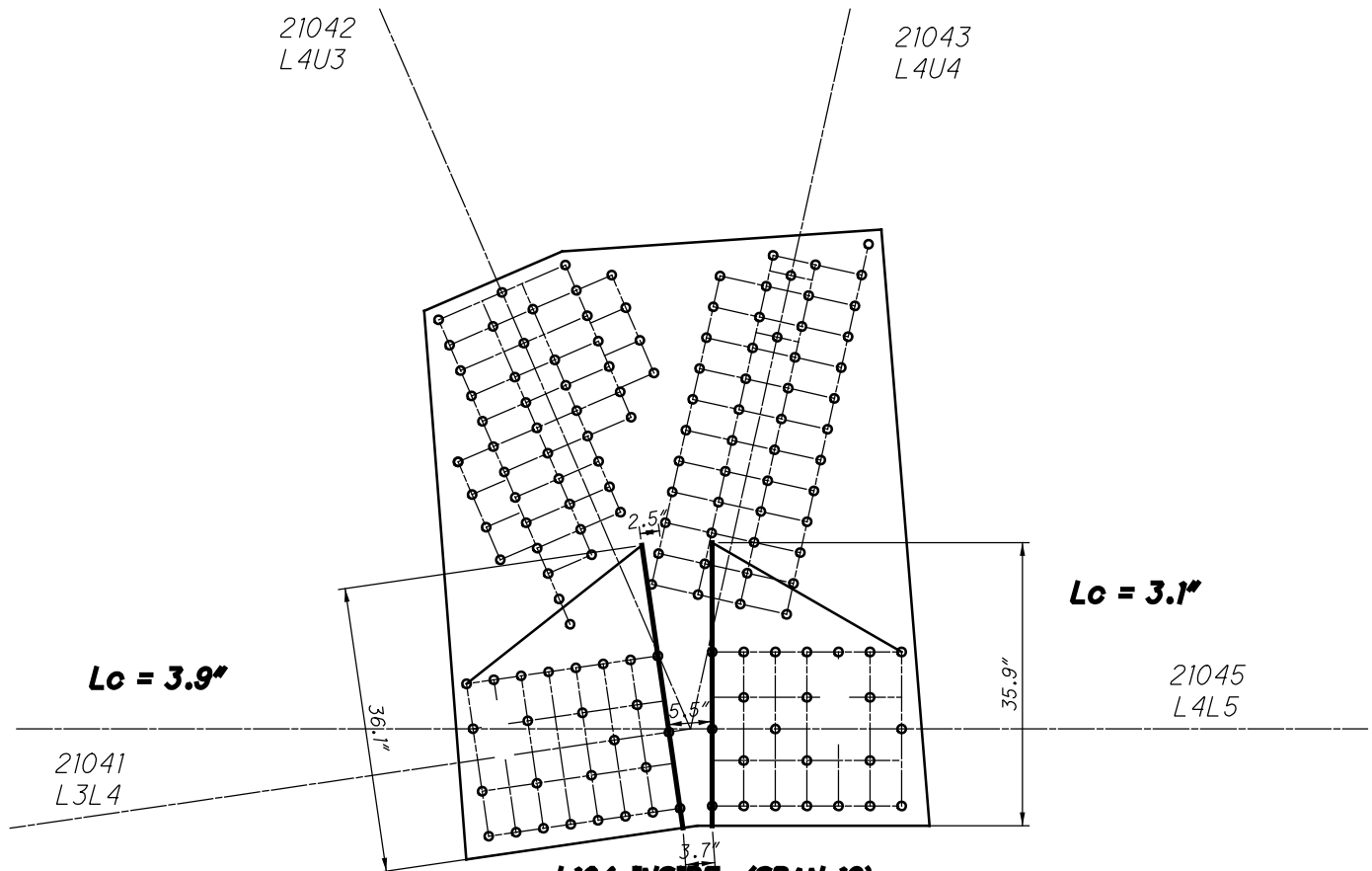
**L103 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**L104 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**L104 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L104 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21042
L4U3

21043
L4U4

22104 AND 32104

**39 RIVETS
x 2 PLATES
=78 RIVETS**

**50 RIVETS
x 2 PLATES
=100 RIVETS**

**26 RIVETS
x 2 PLATES
=52 RIVETS**

**23 RIVETS
x 2 PLATES
=46 RIVETS**

21041
L3L4

21045
L4L5

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

**L104 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

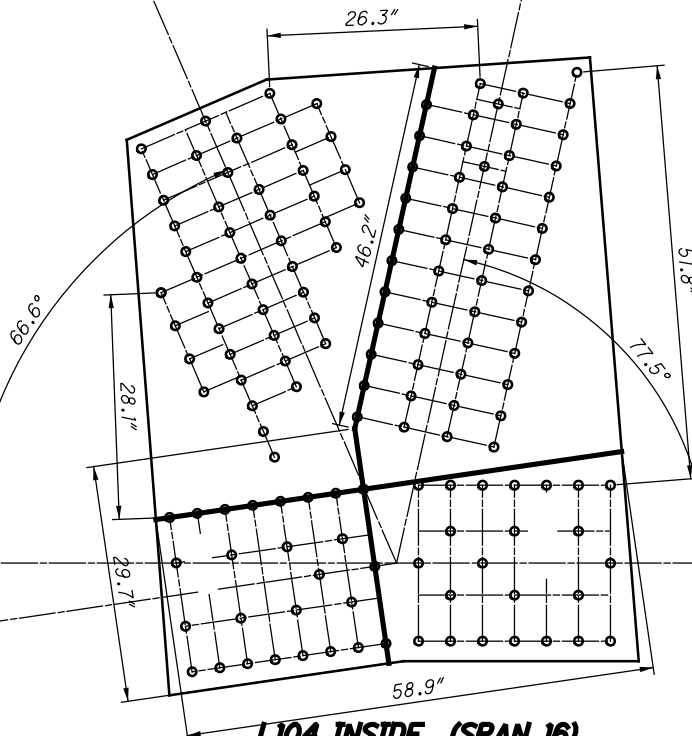
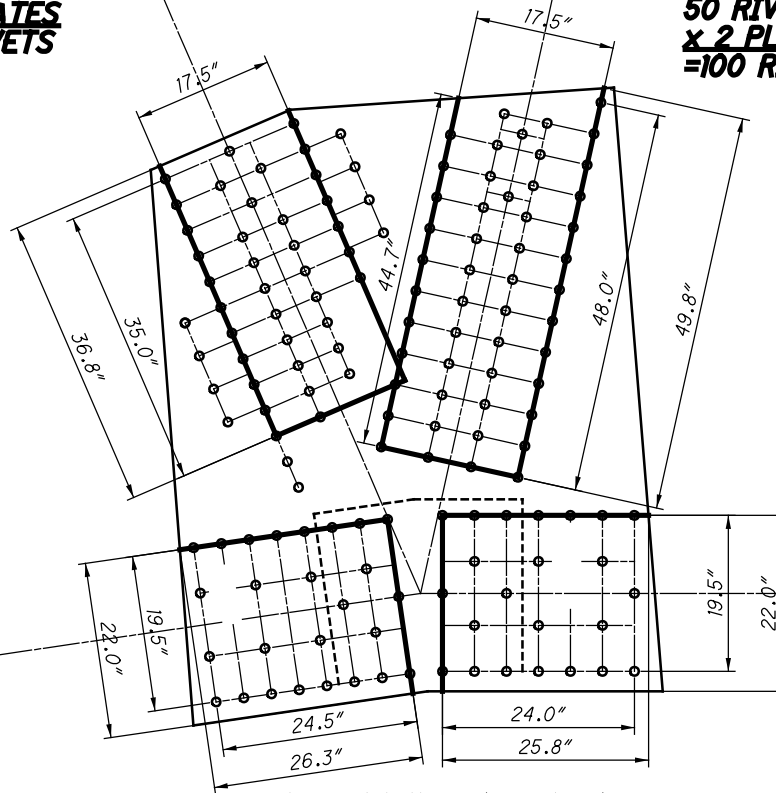
21042
L4U3

21043
L4U4

21041
L3L4

21045
L4L5

**L104 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**



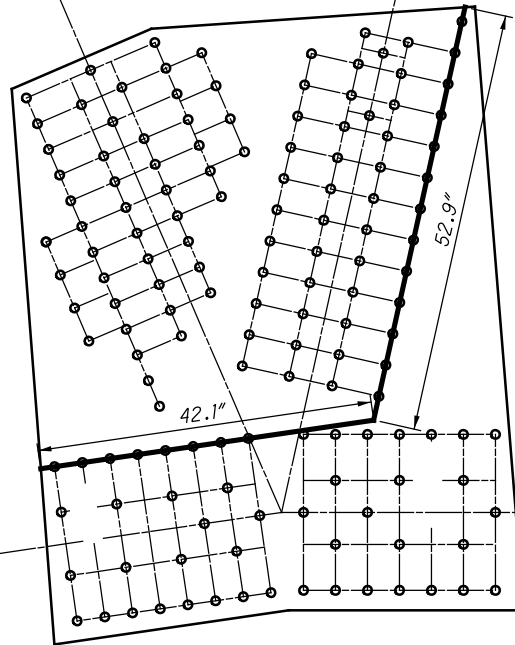
21042
L4U3

21043
L4U4

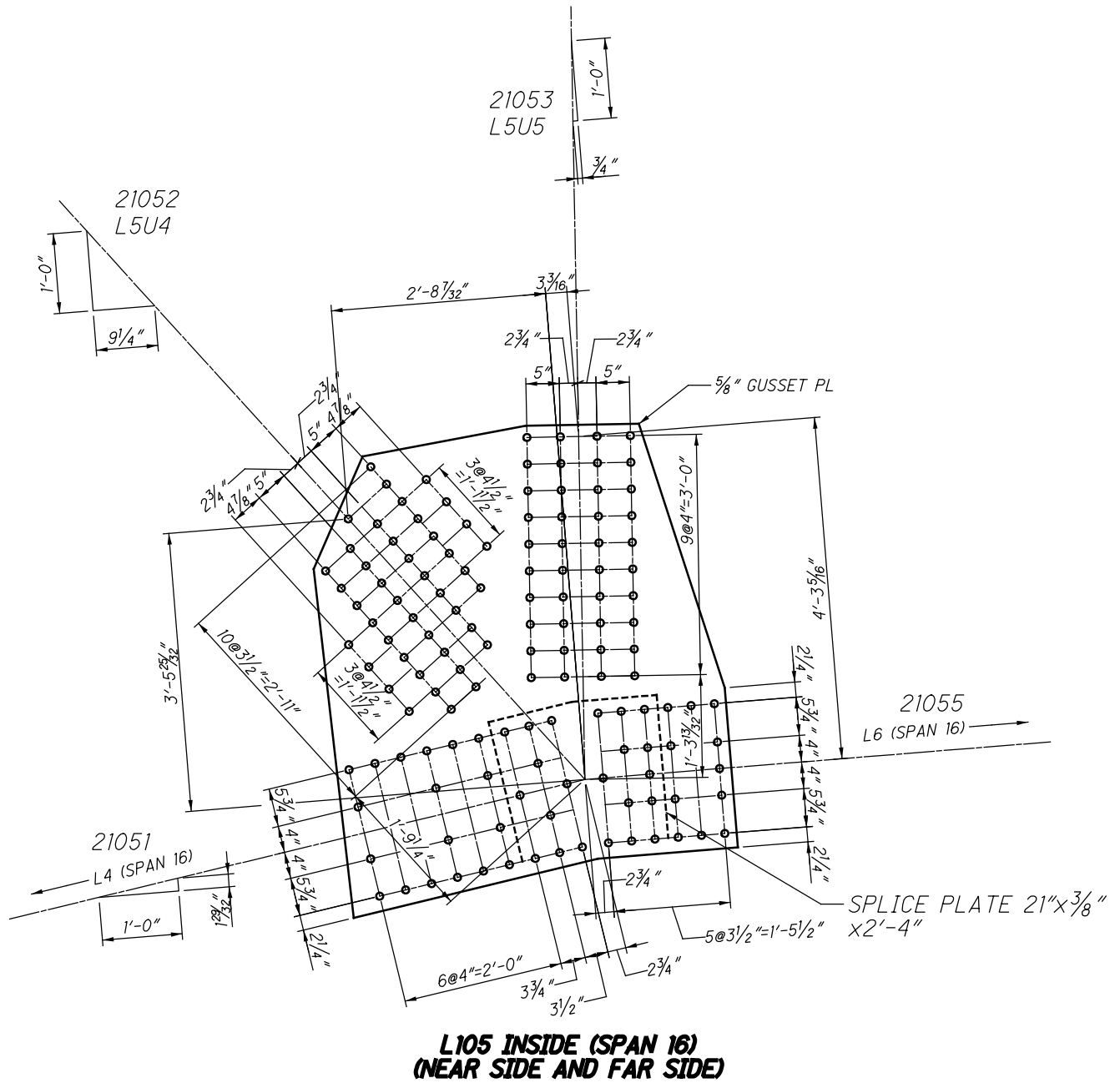
22104 AND 32104

21045
L4L5

21041
L3L4



**L104 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



21052
L5U4

21053
L5U5

22105 AND 32105

$L_c = 3.4''$

49.1"

$L_c = 3.3''$

47.8"

4.4"

21055
L5L6

21051
L4L5

**L105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21052
L5U4

21053
L5U5

$L_c = 3.0''$

$L_c = 3.0''$

21055
L5L6

21051
L4L5

39.8"

31.9"

3.6"

**L105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21052
L5U4

**35 RIVETS
x 2 PLATES
=70 RIVETS**

21053
L5U5

22105 AND 32105

**40 RIVETS
x 2 PLATES
=80 RIVETS**

**28 RIVETS
x 2 PLATES
=56 RIVETS**

**23 RIVETS
x 2 PLATES
=46 RIVETS**

21055
L5L6

**12 SPLICE P
x 2 PLATES
=24 RIVETS**

21051
L4L5

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

**L105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

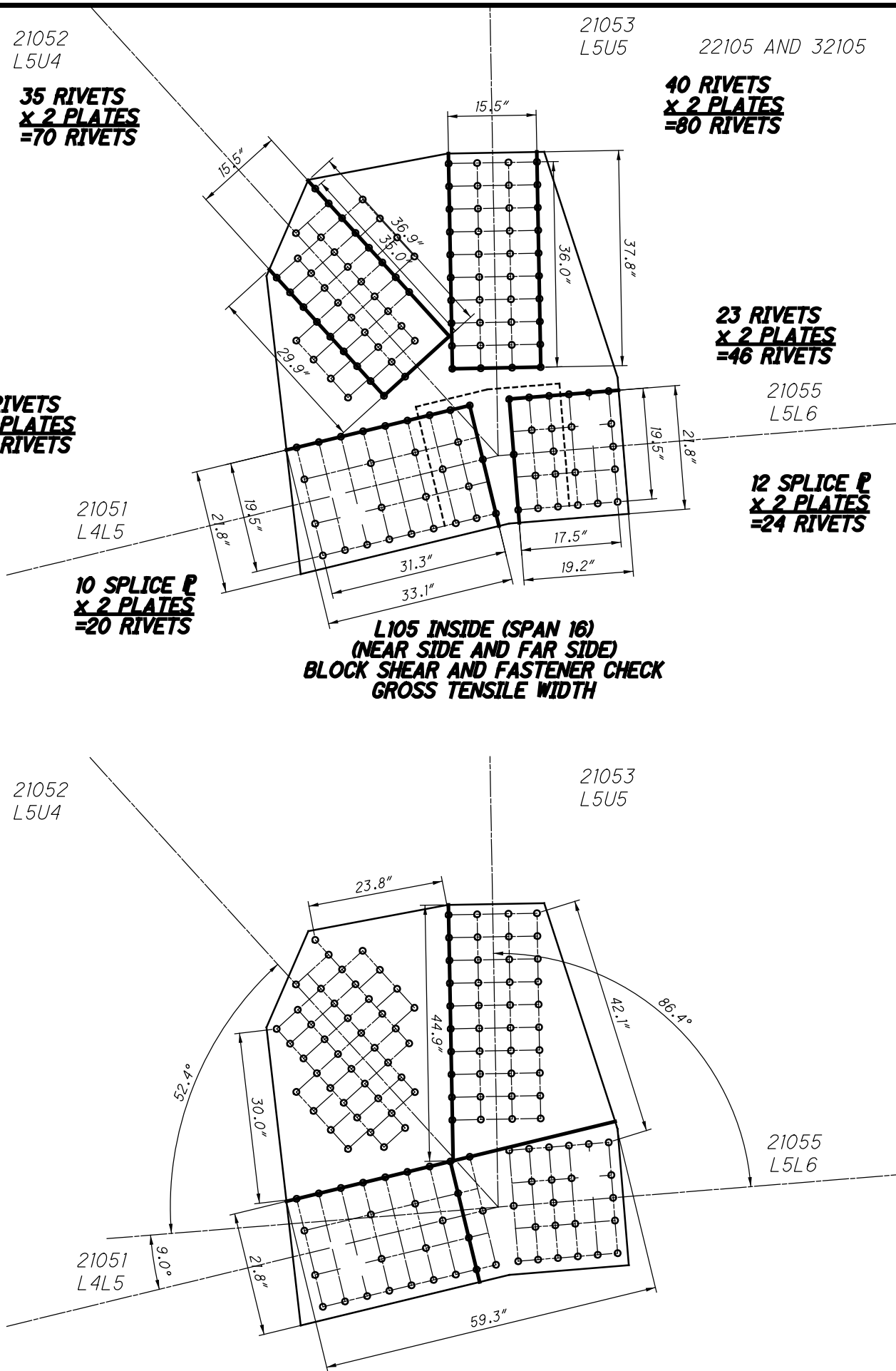
21052
L5U4

21053
L5U5

21055
L5L6

21051
L4L5

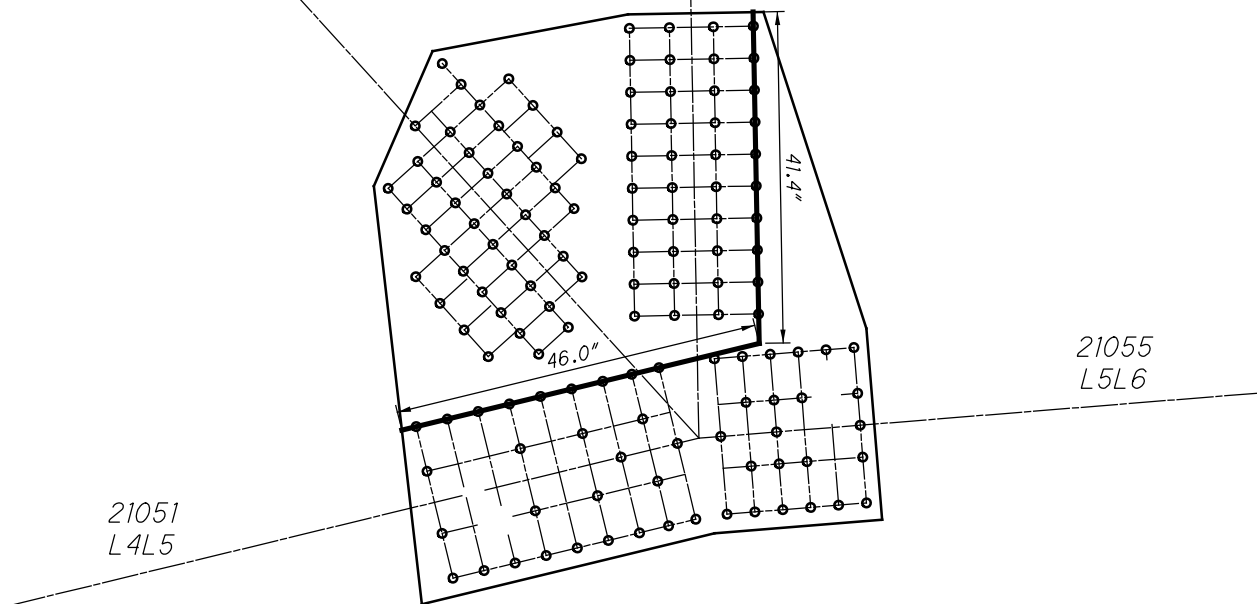
**L105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**



21052
L5U4

21053
L5U5

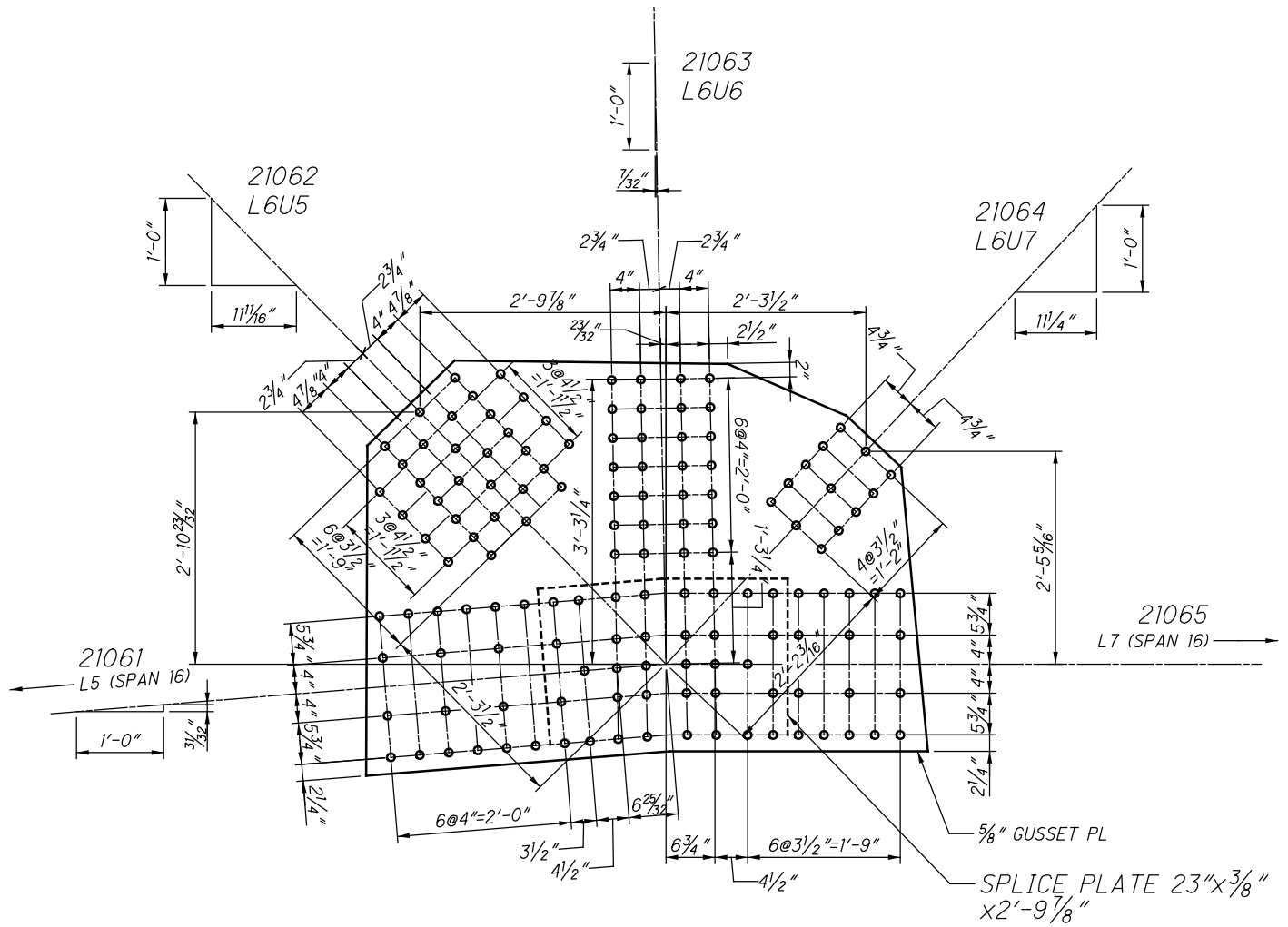
22105 AND 32105



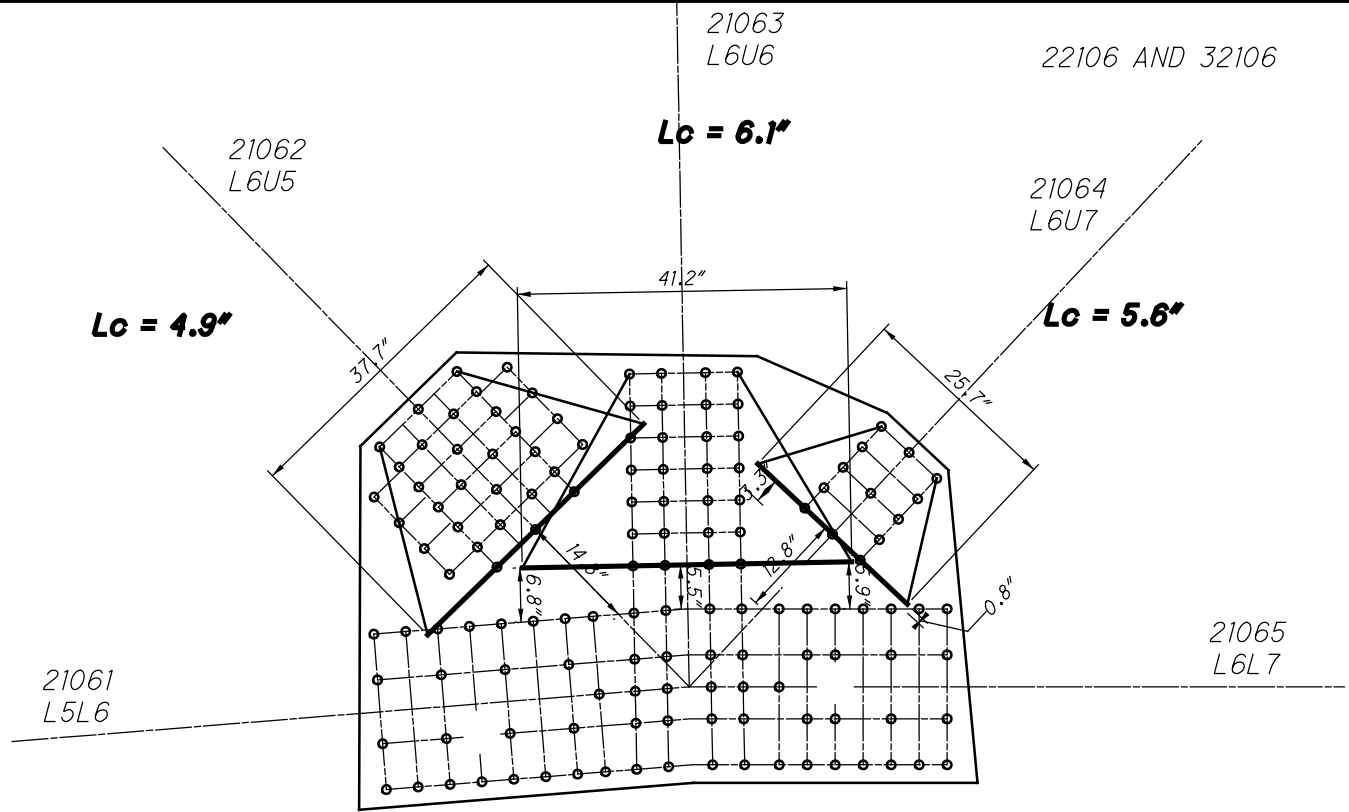
21055
L5L6

21051
L4L5

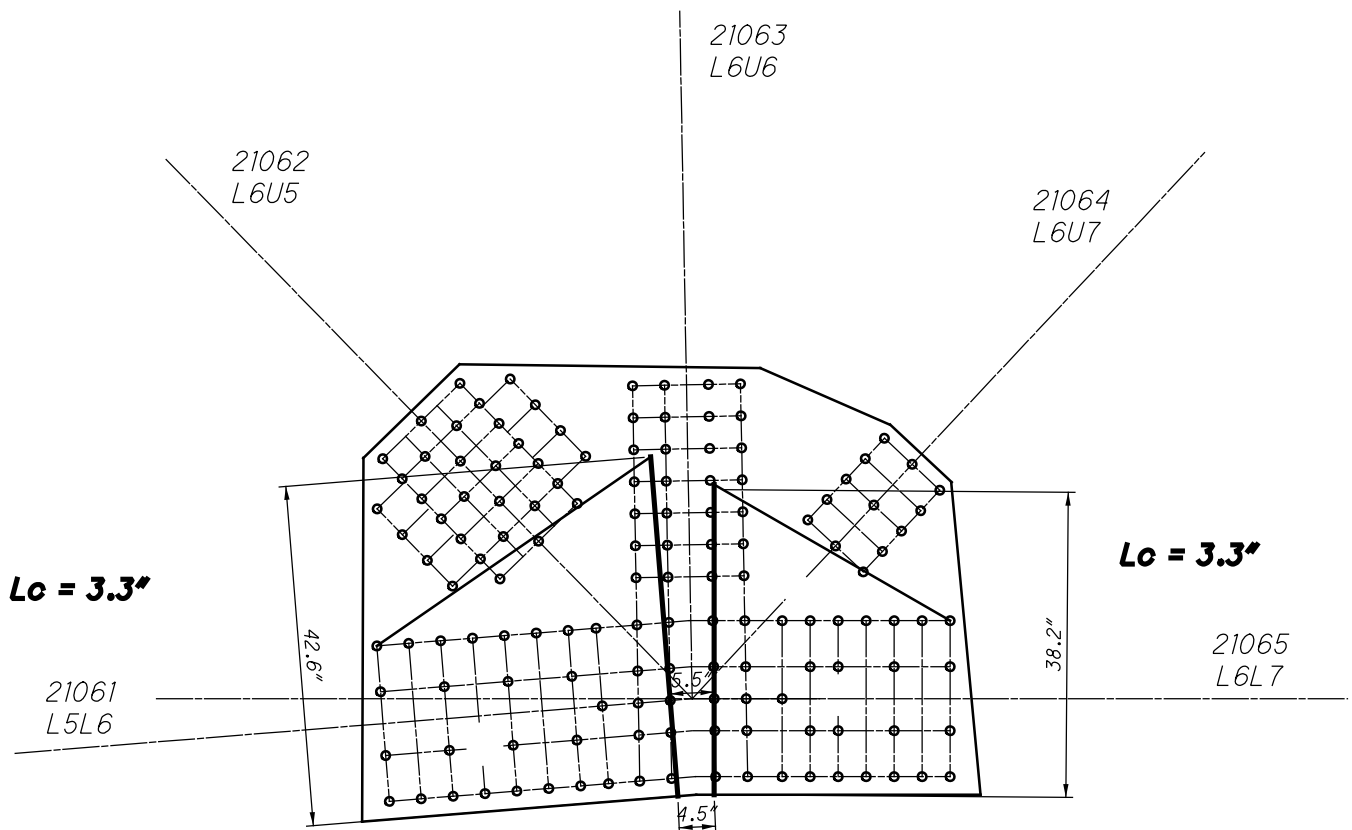
**L105 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



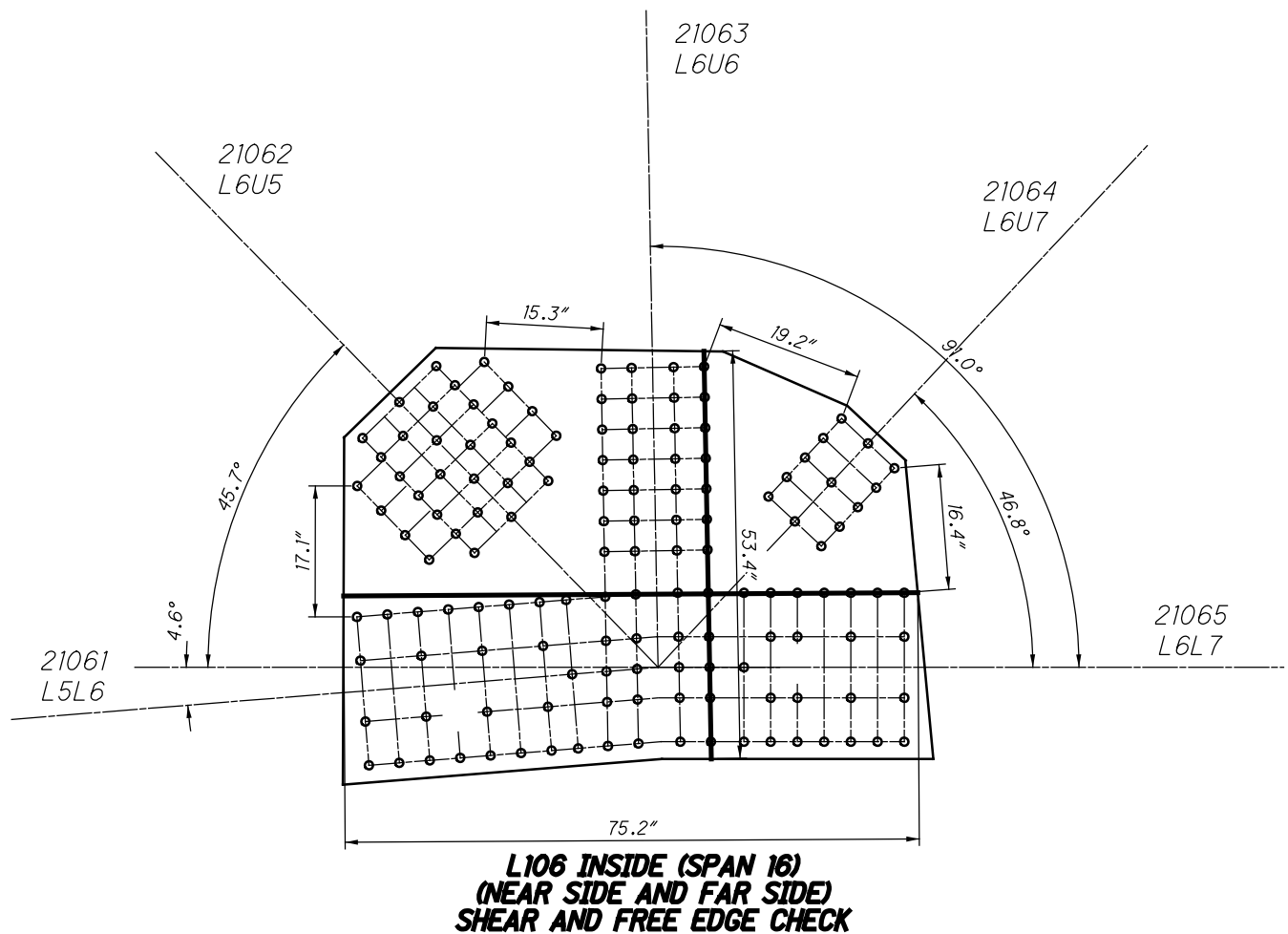
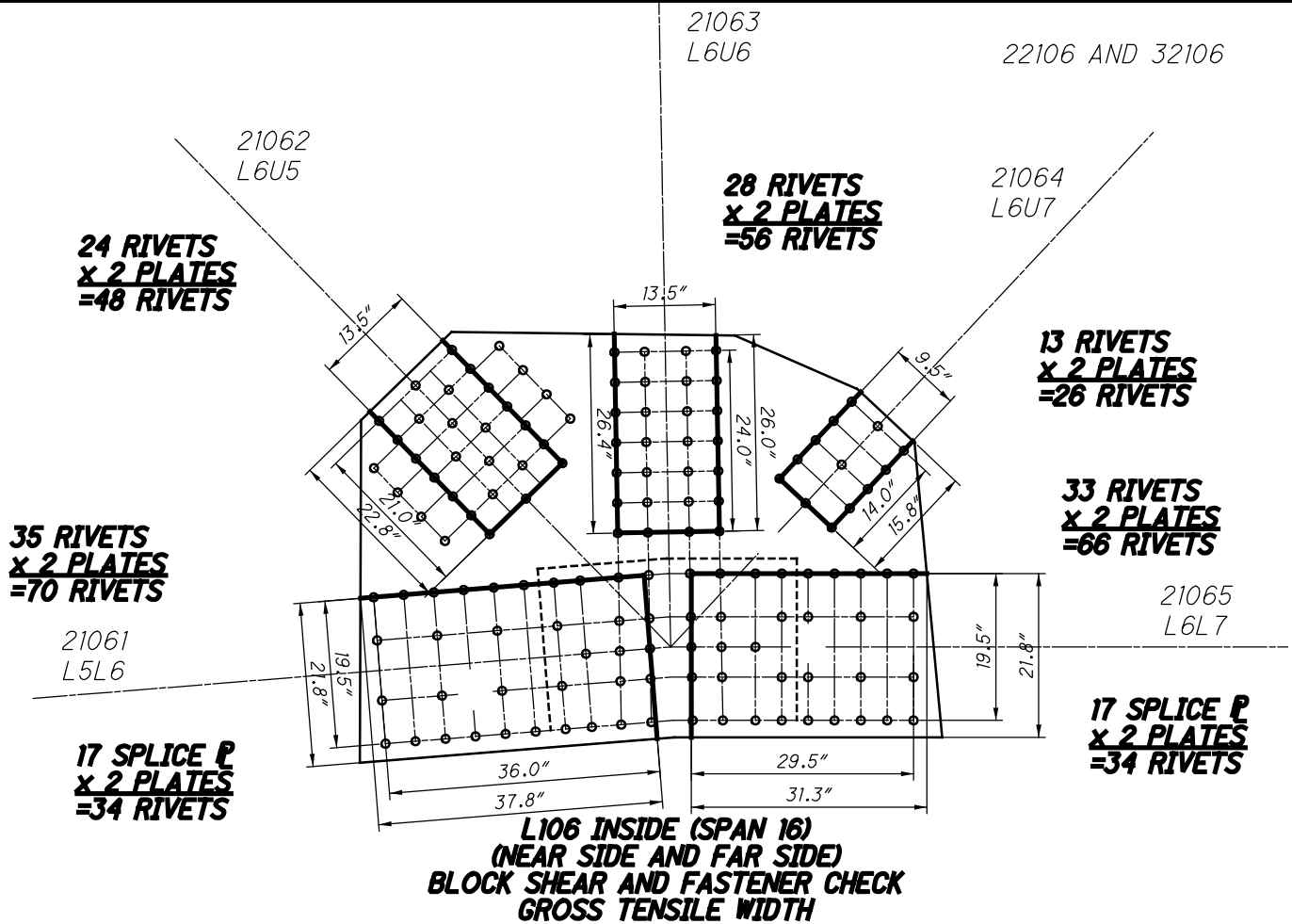
**L106 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

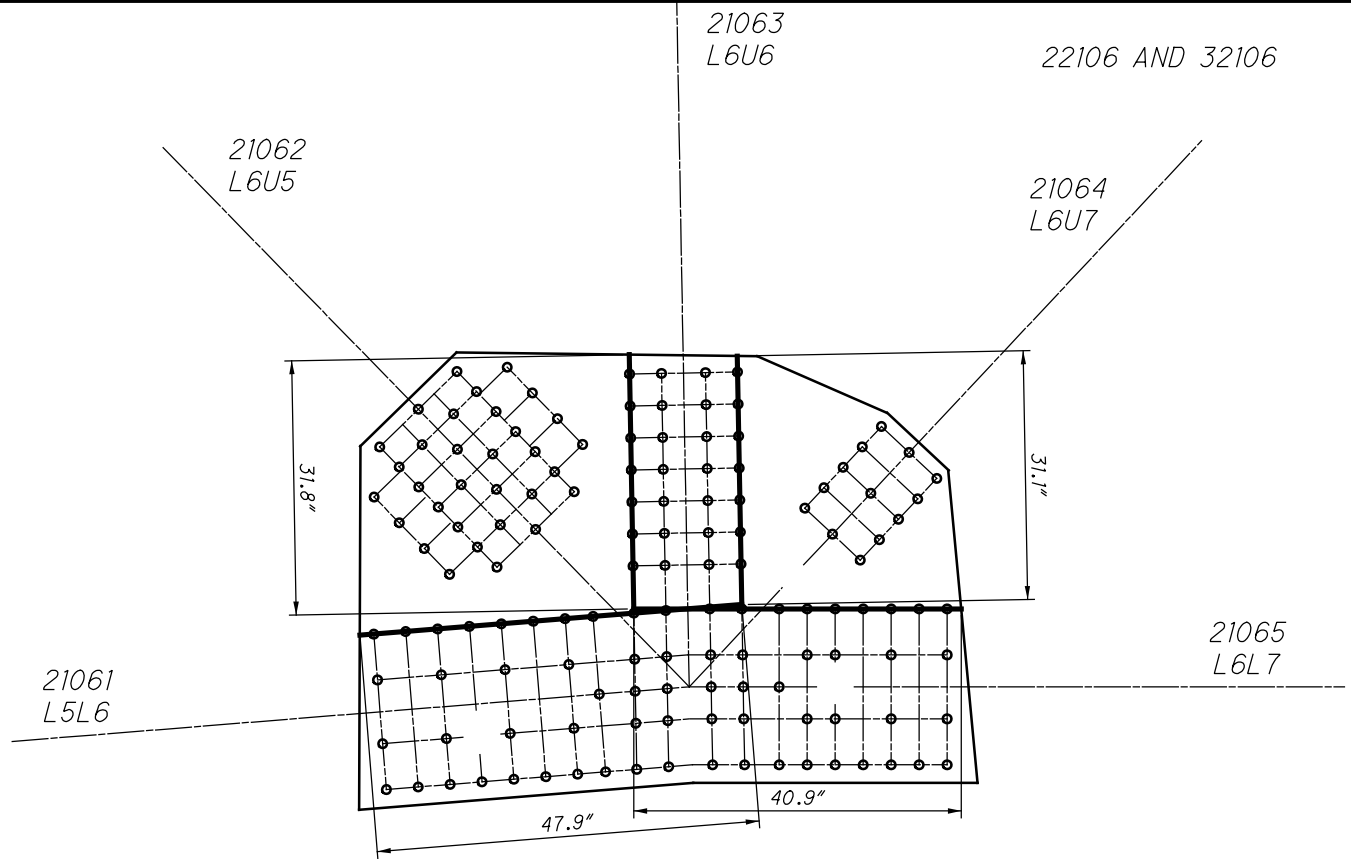


**L106 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

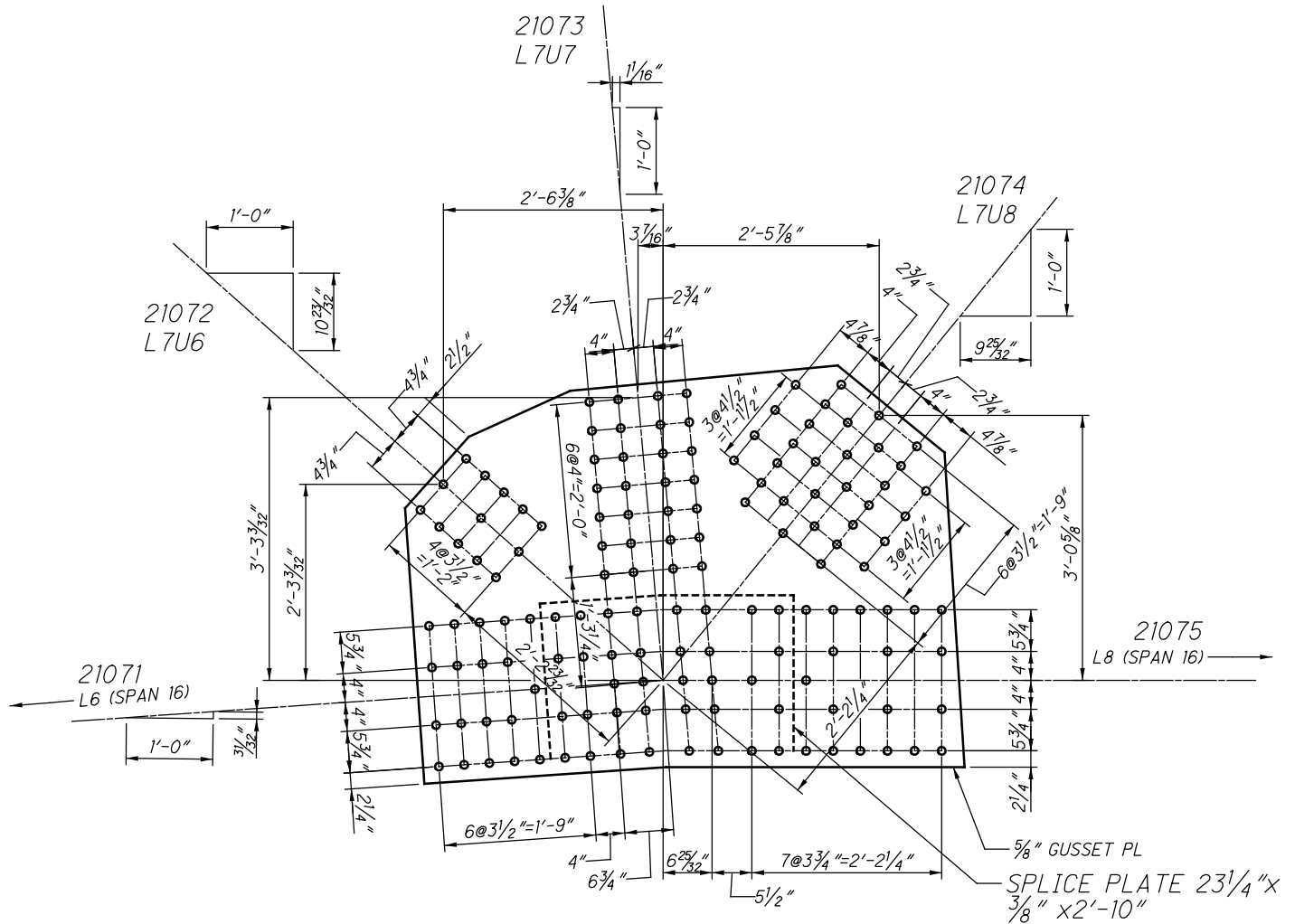


**L106 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

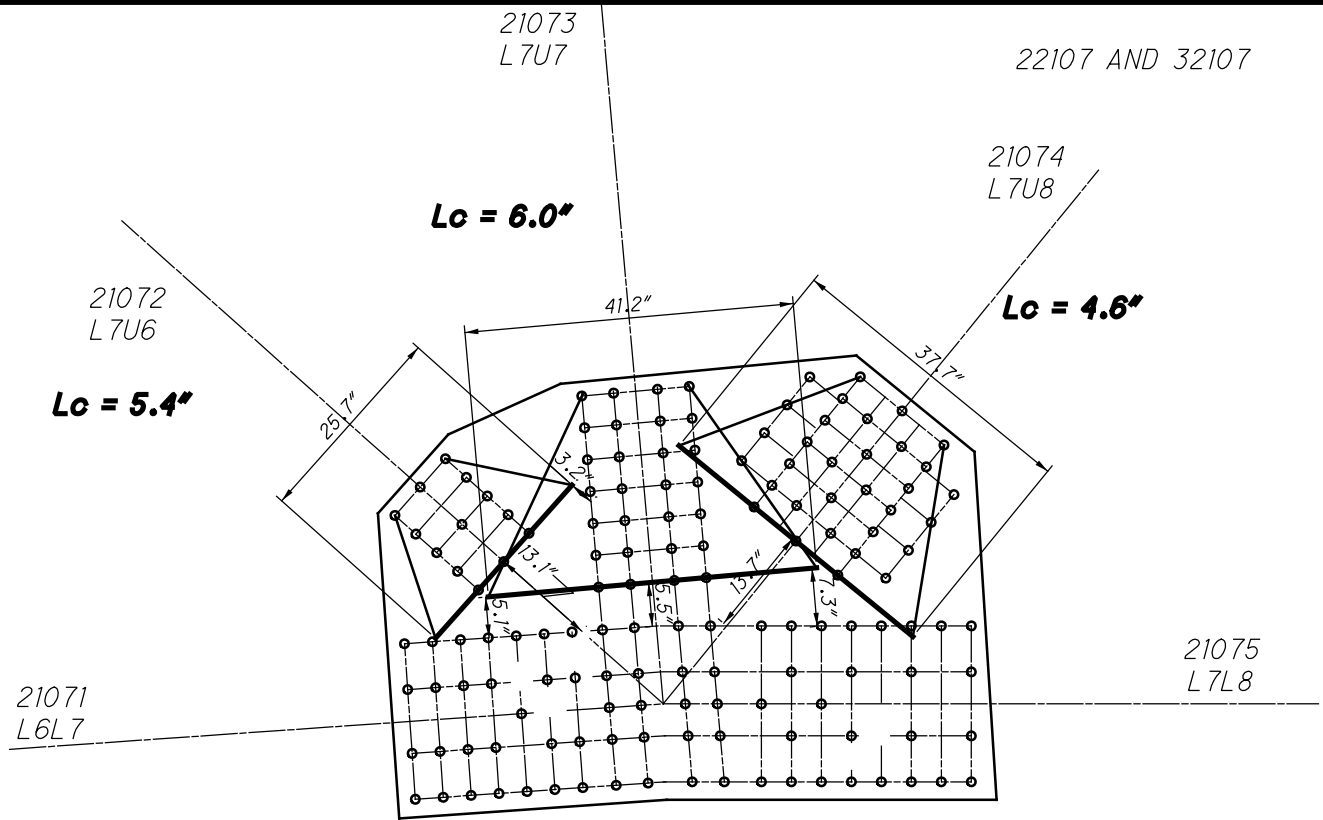




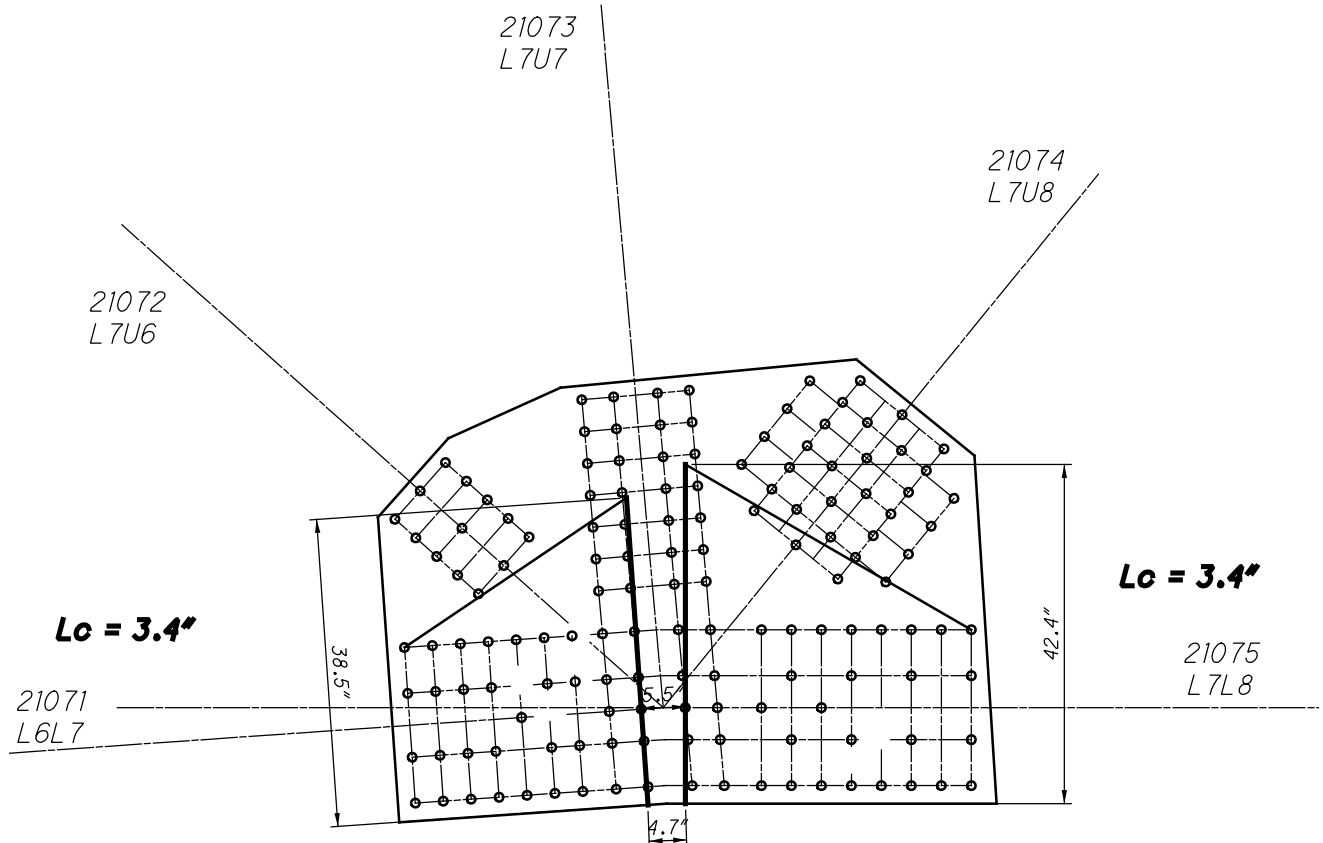
**L106 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



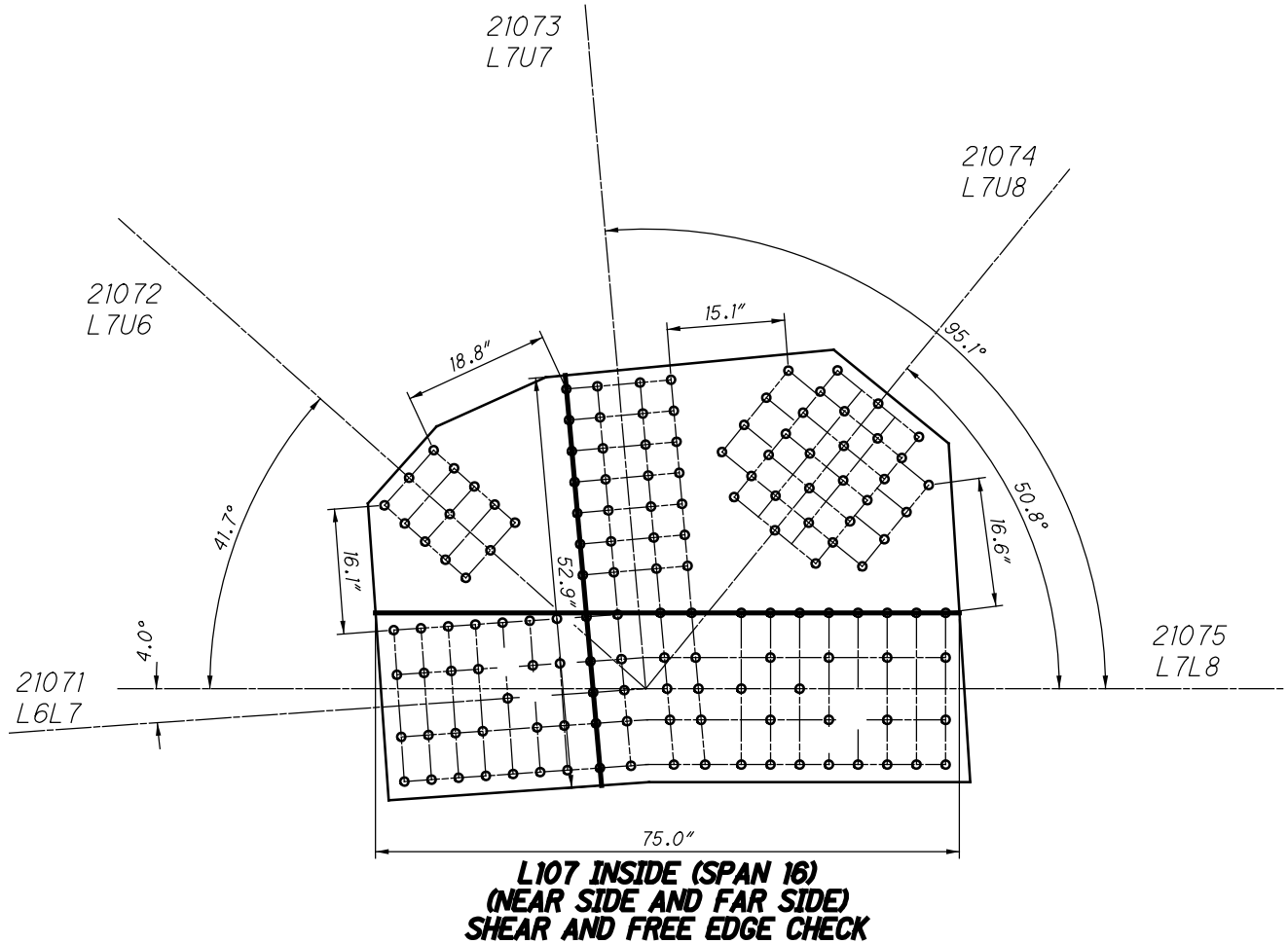
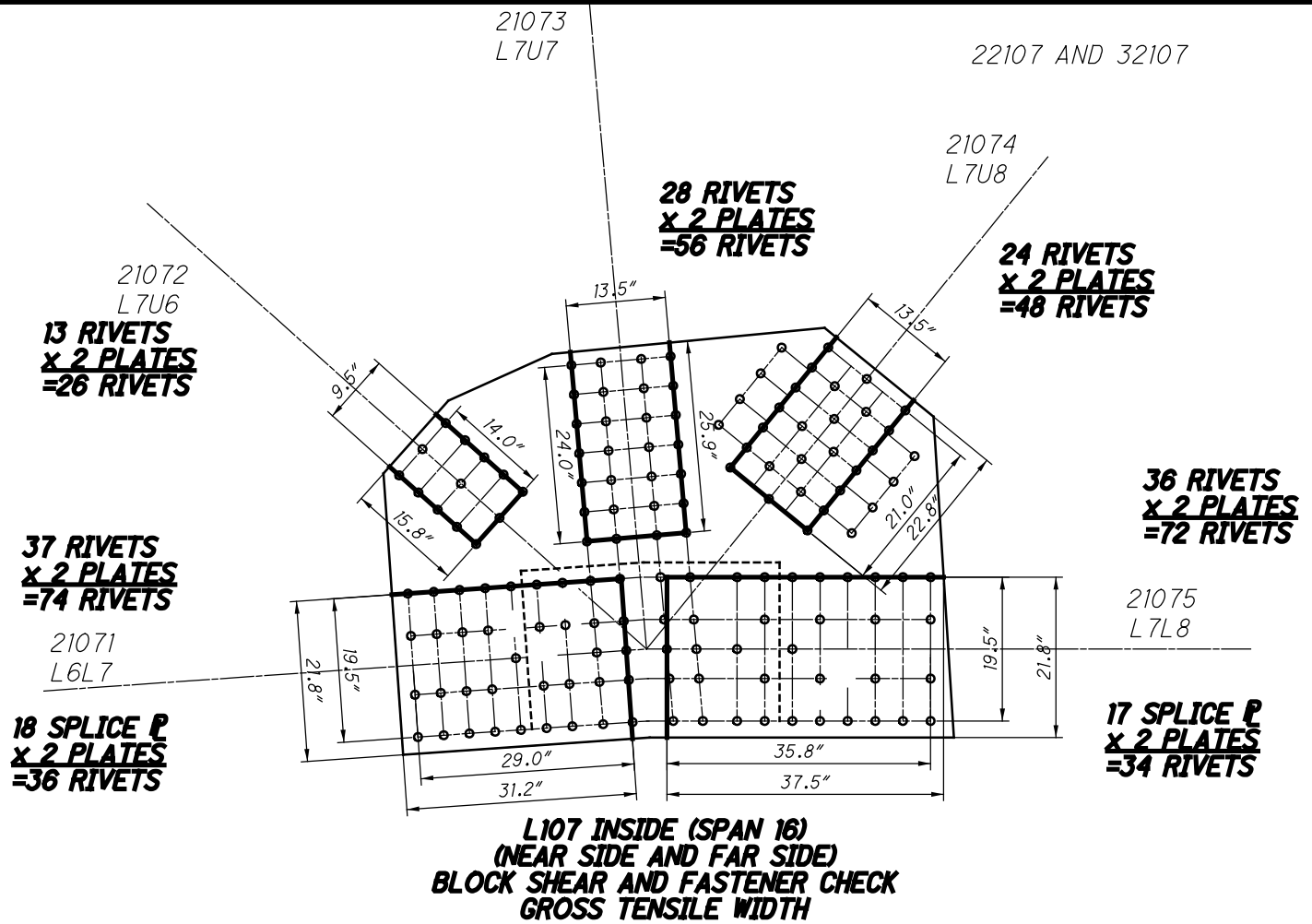
**L107 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

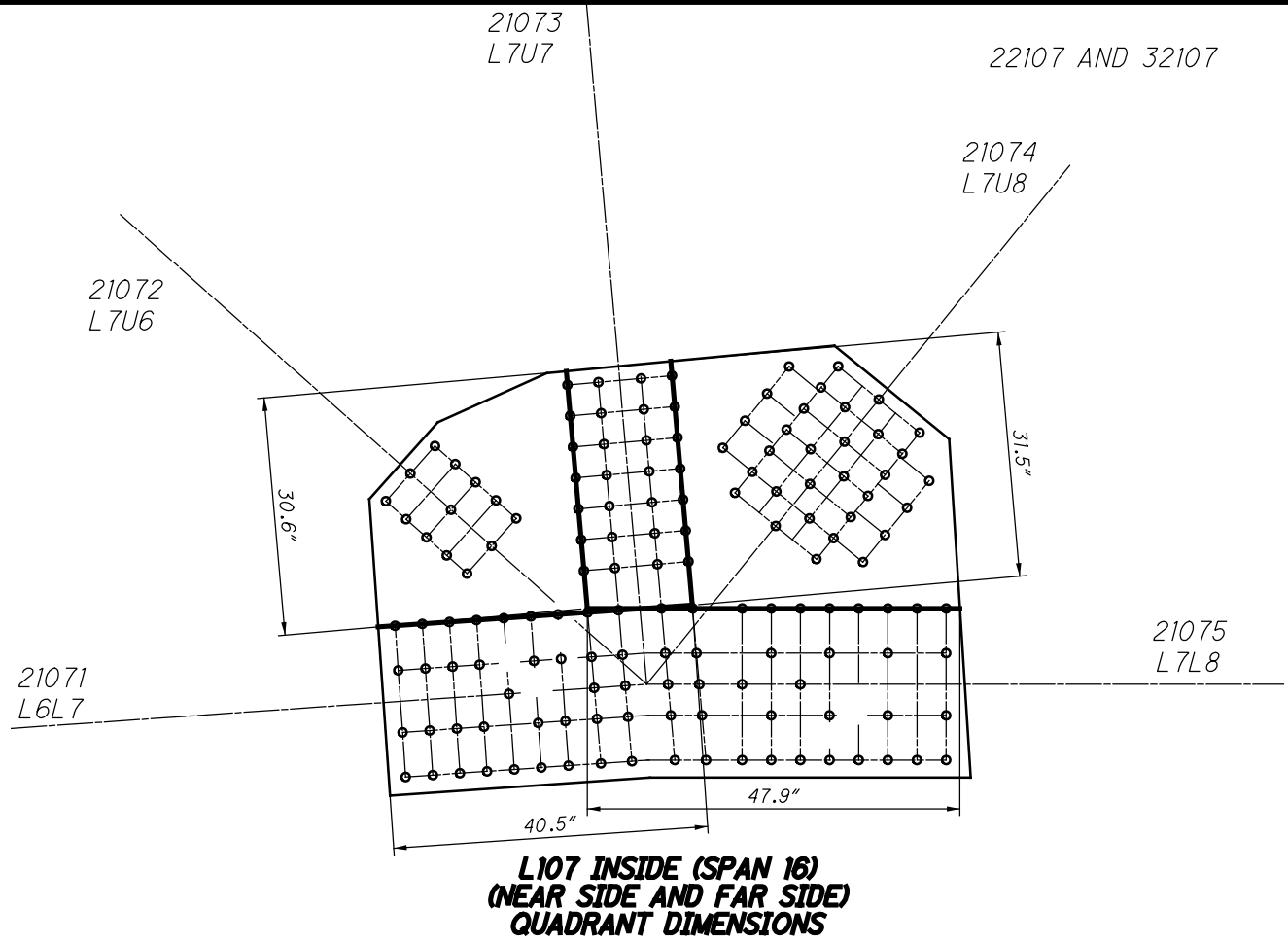


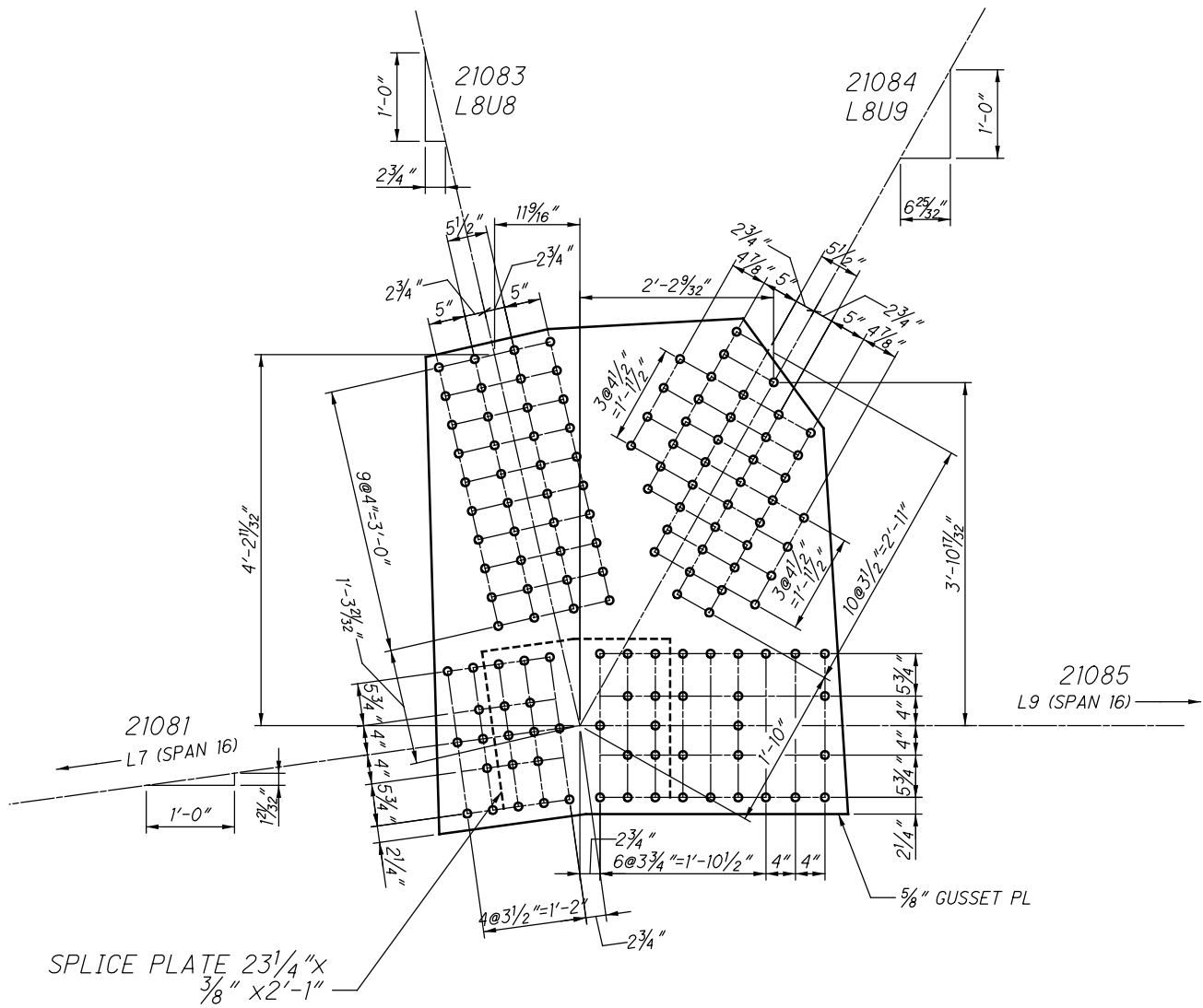
**L107 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



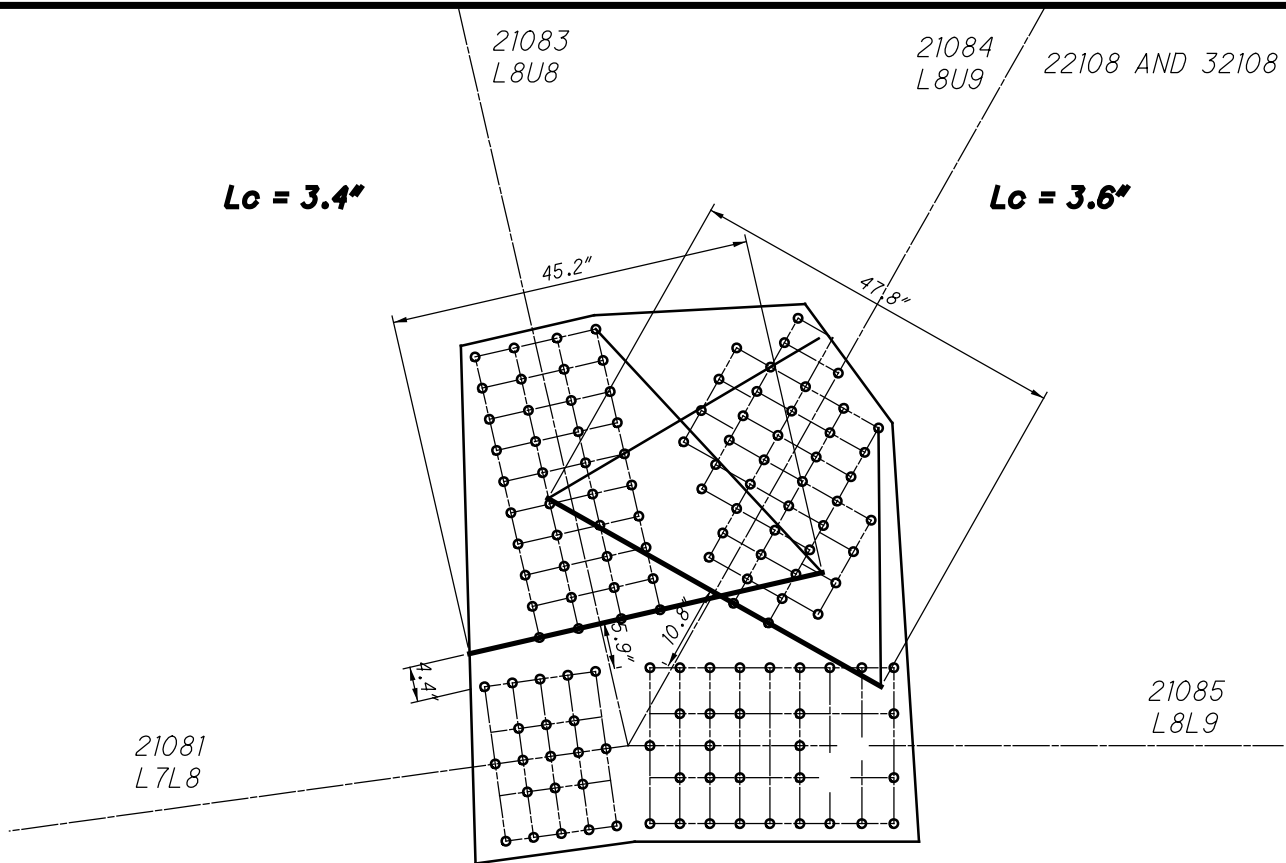
**L107 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



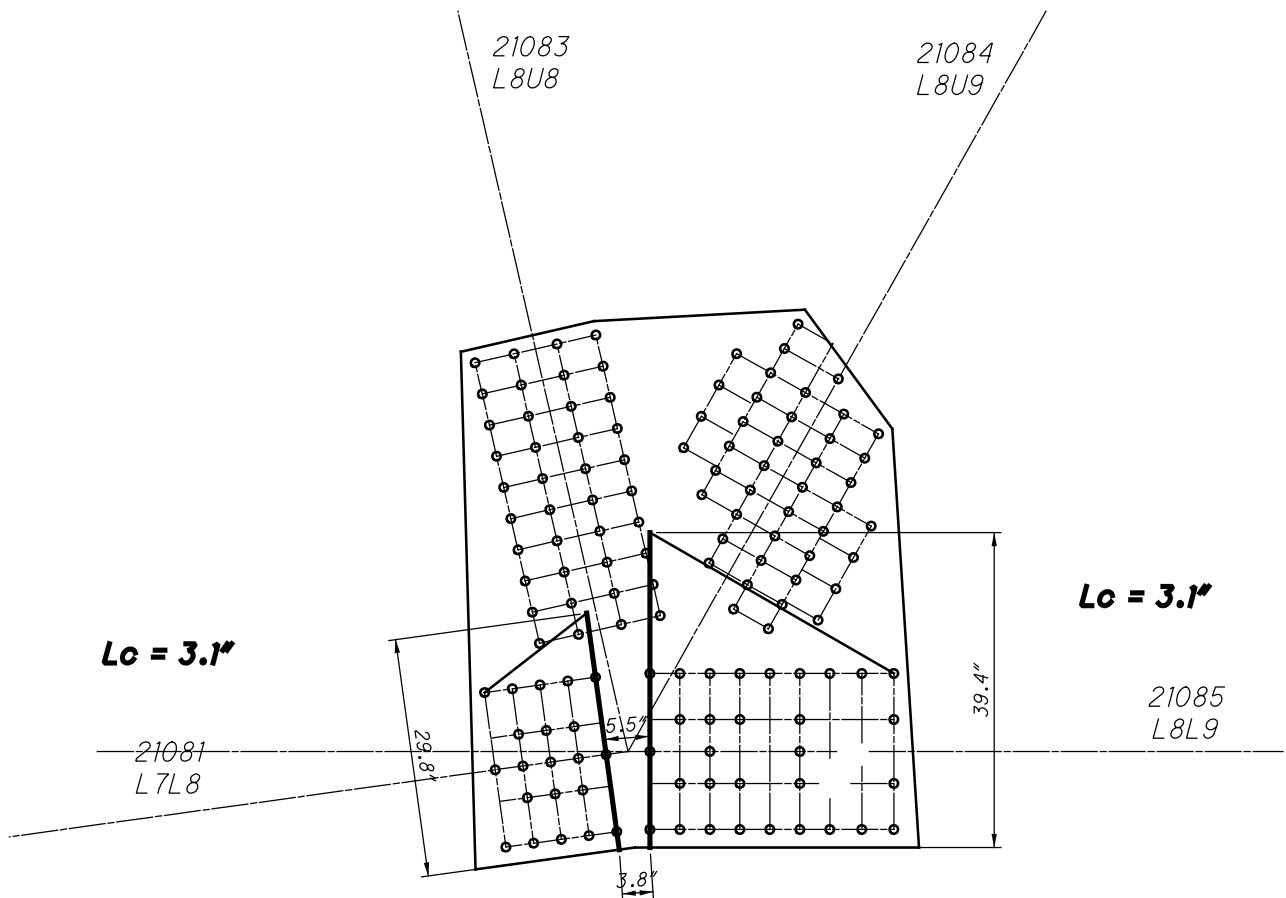




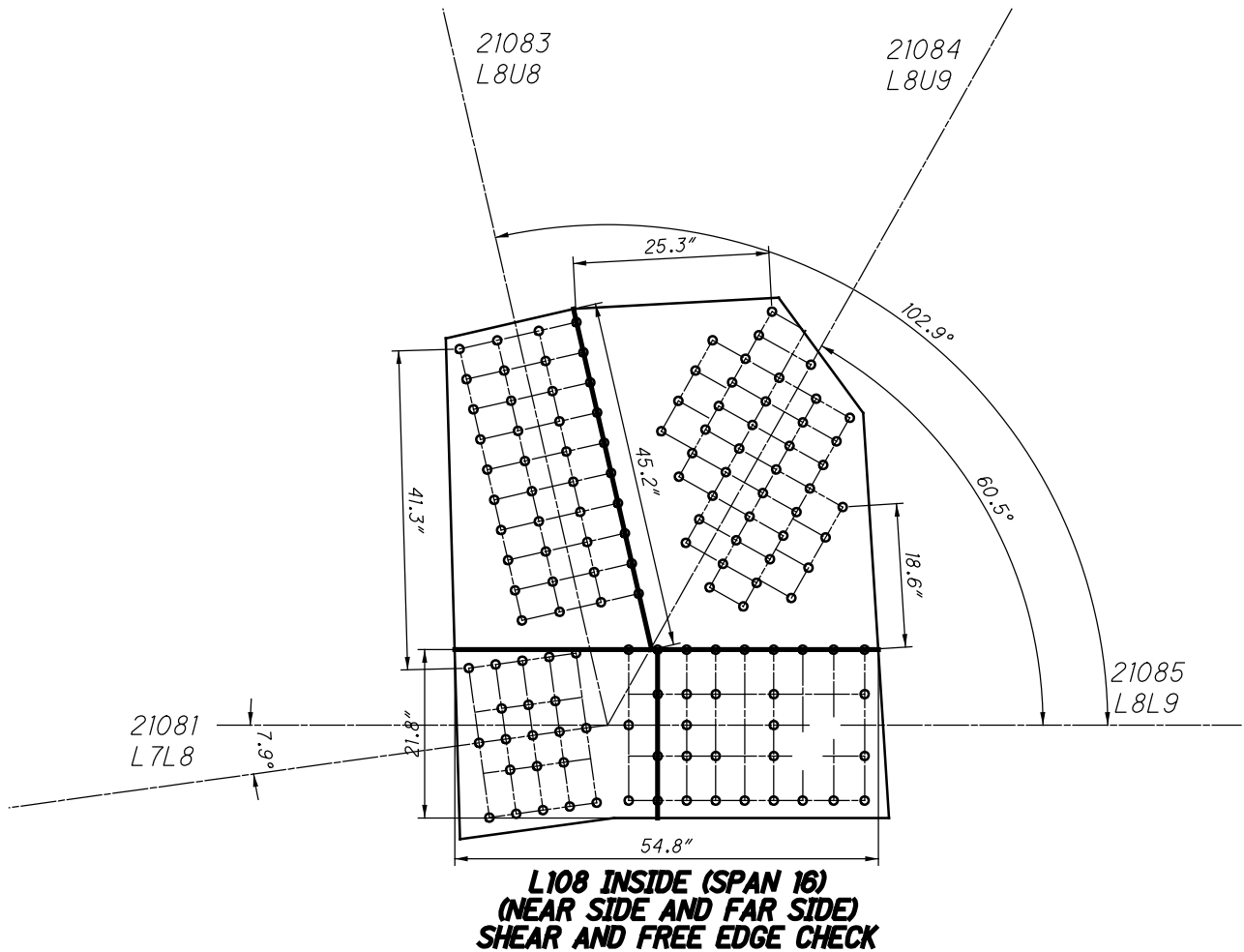
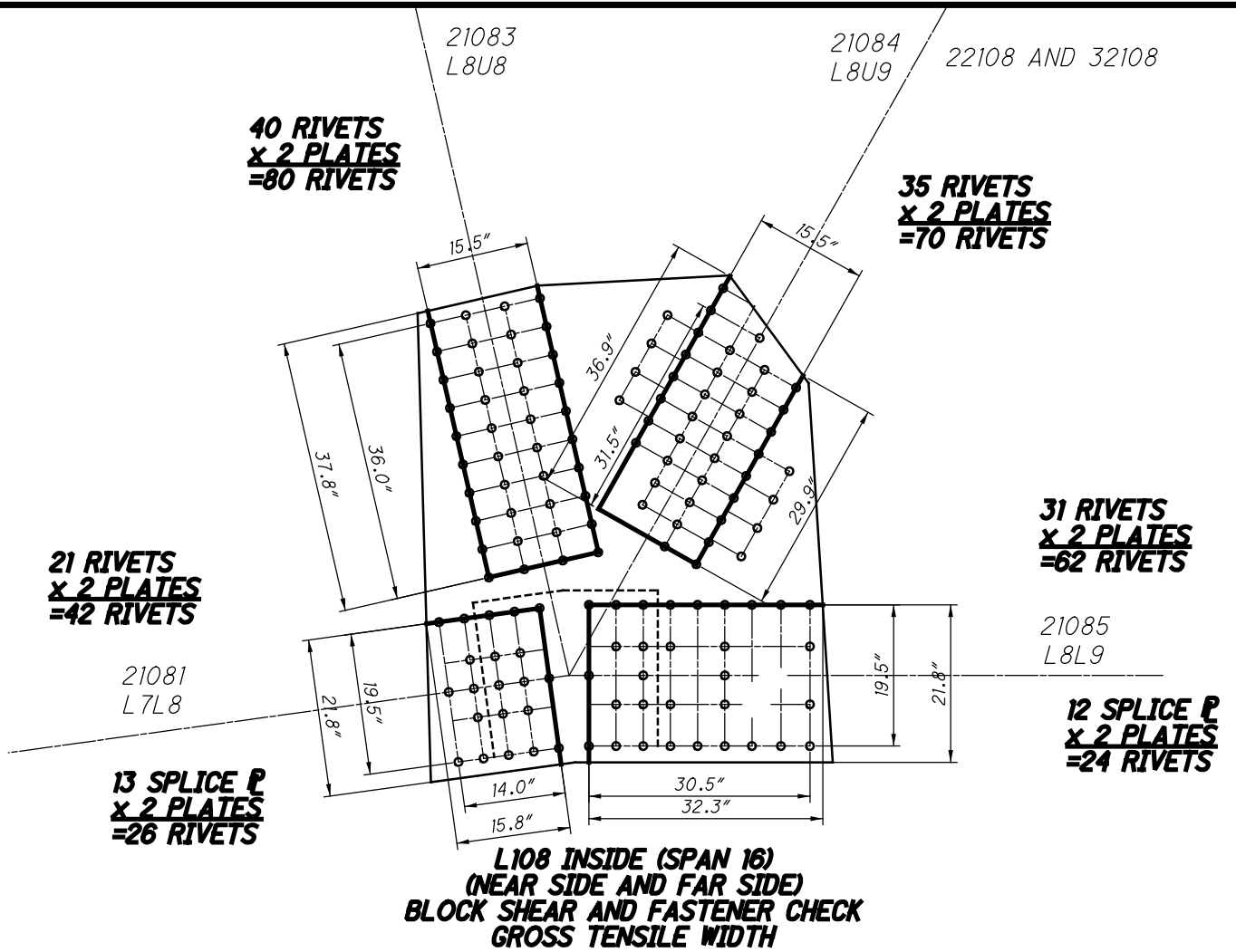
**L108 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**L108 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



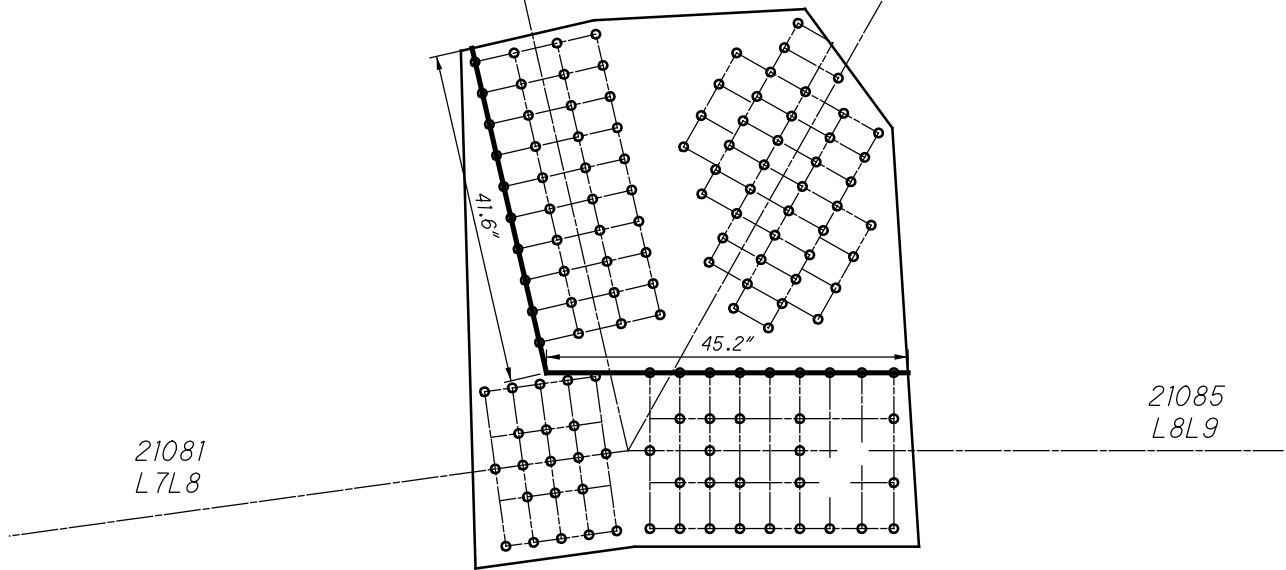
**L108 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



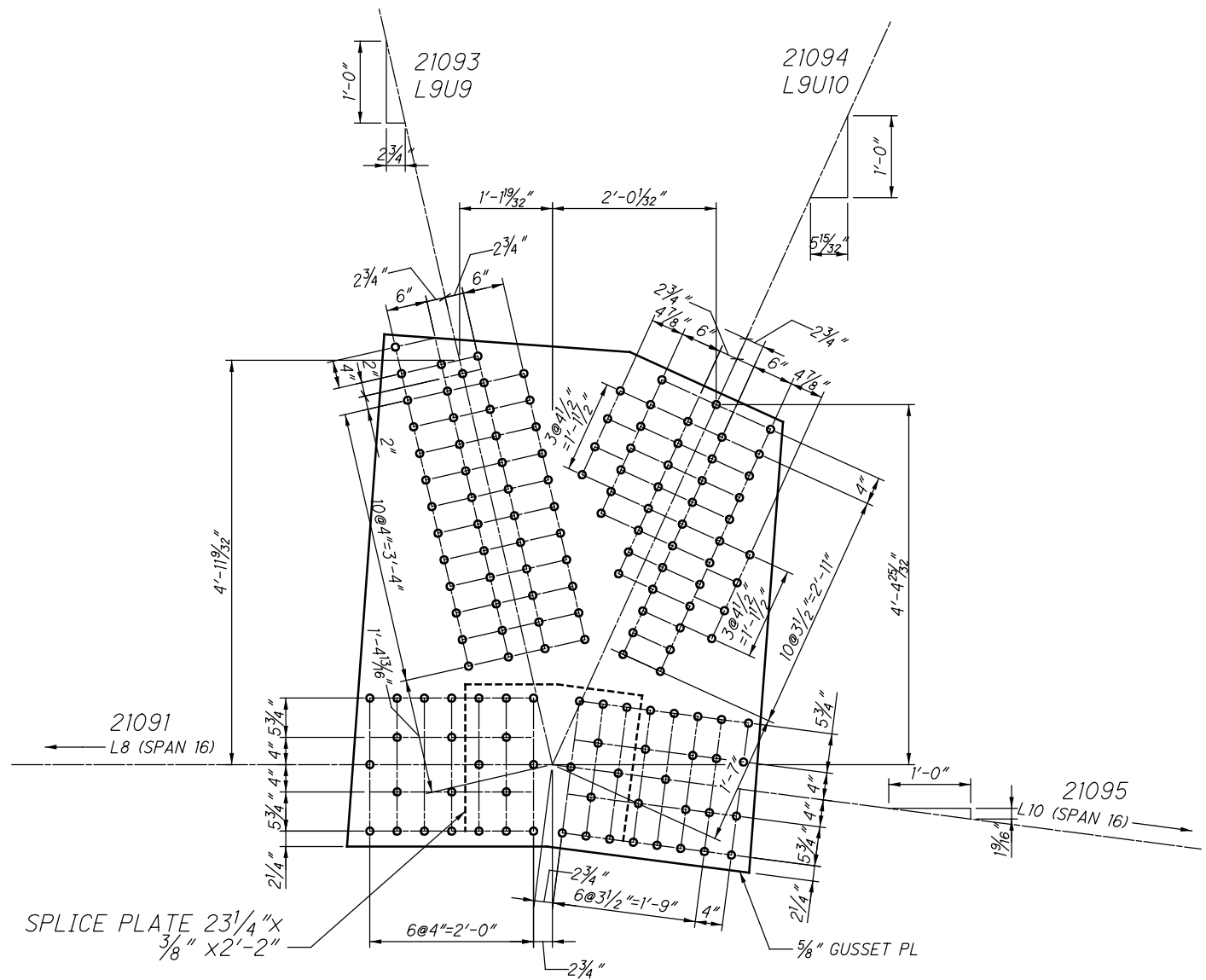
21083
L8U8

21084
L8U9

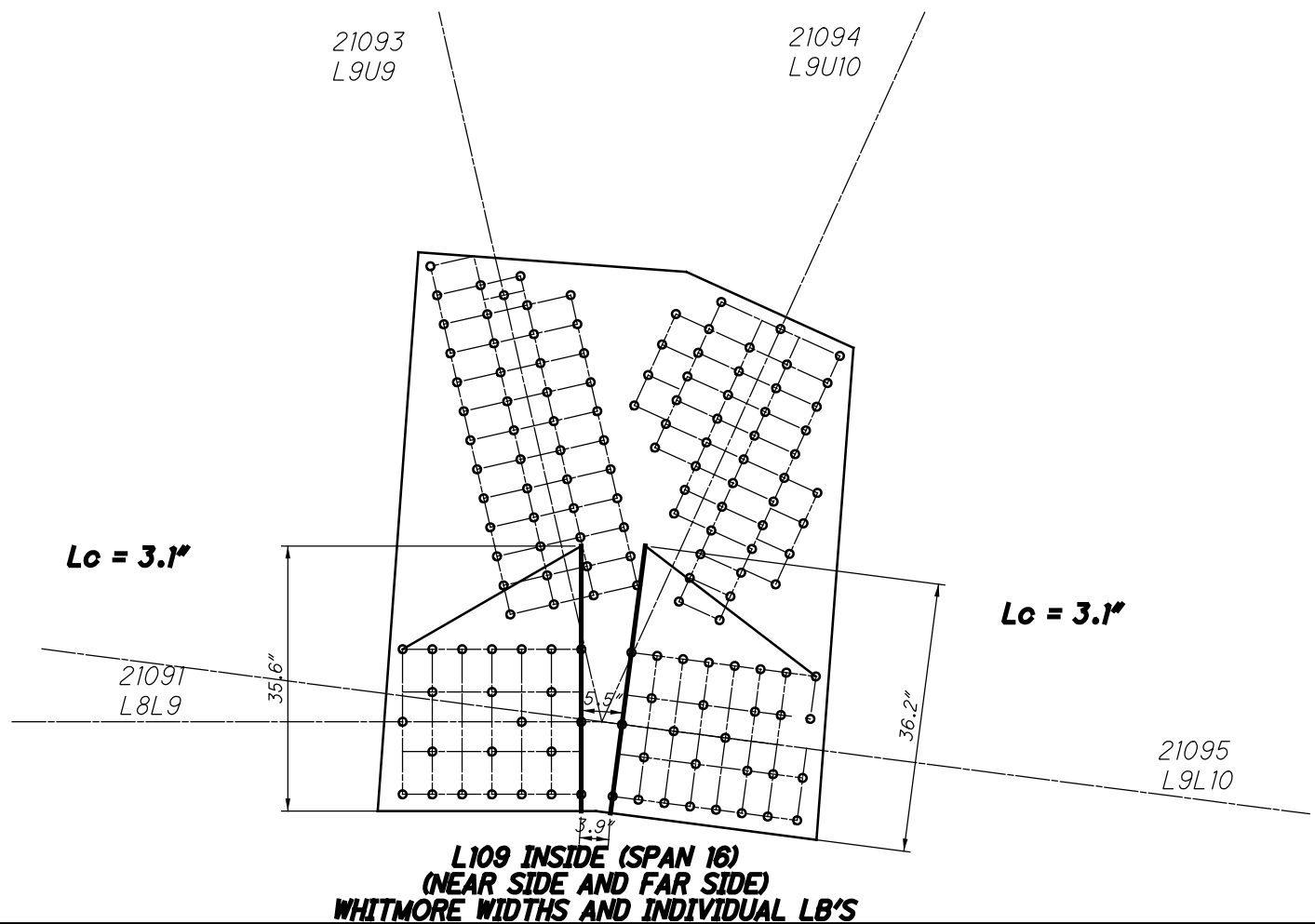
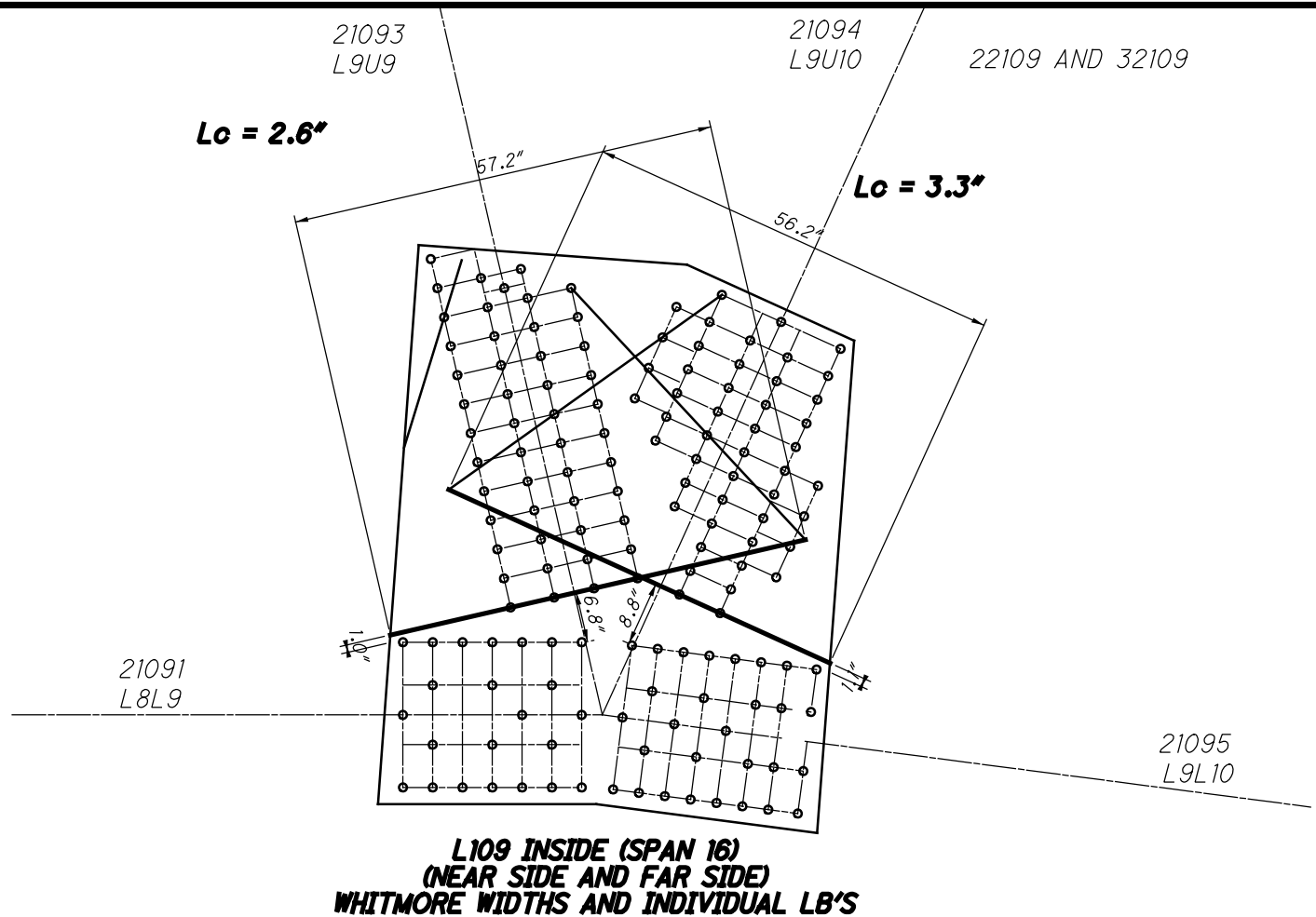
22108 AND 32108



**L108 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**L109 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



21093
L9U9

21094
L9U10

22109 AND 32109

**49 RIVETS
x 2 PLATES
=98 RIVETS**

**39 RIVETS
x 2 PLATES
=78 RIVETS**

**23 RIVETS
x 2 PLATES
=46 RIVETS**

**29 RIVETS
x 2 PLATES
=58 RIVETS**

21091
L8L9

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

21095
L9L10

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

**L109 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

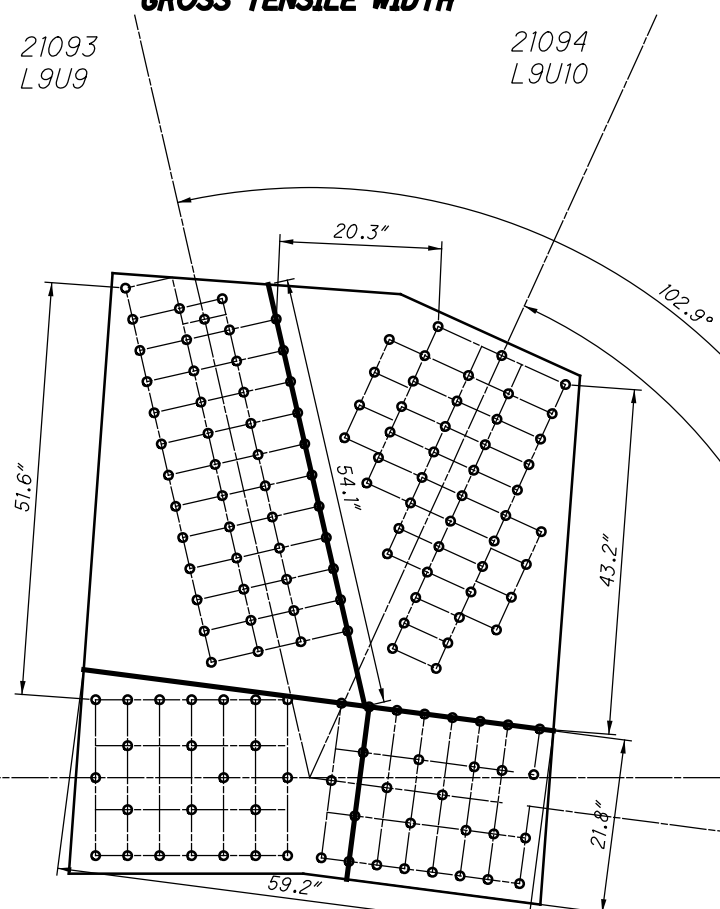
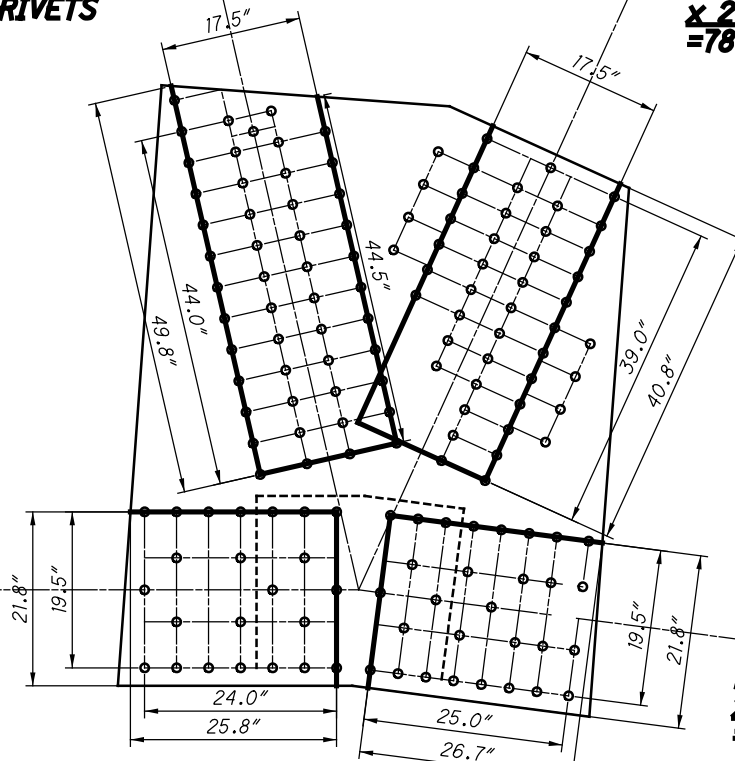
21093
L9U9

21094
L9U10

21091
L8L9

21095
L9L10

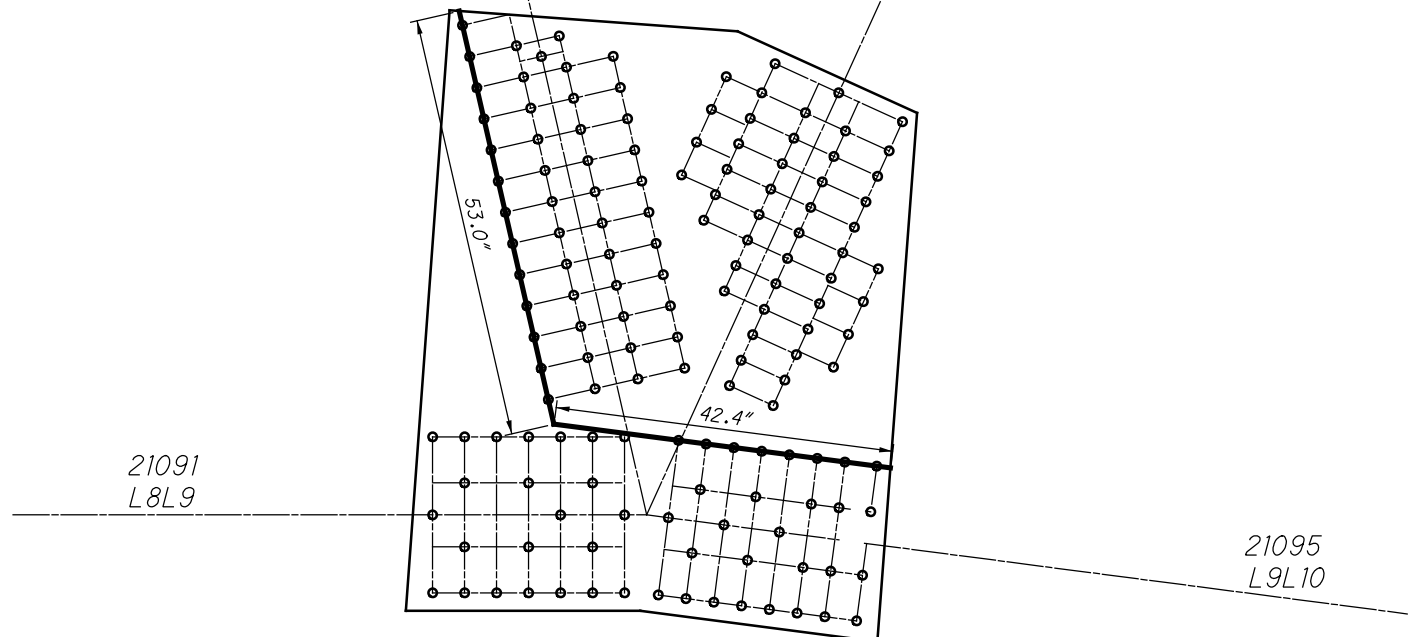
**L109 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**



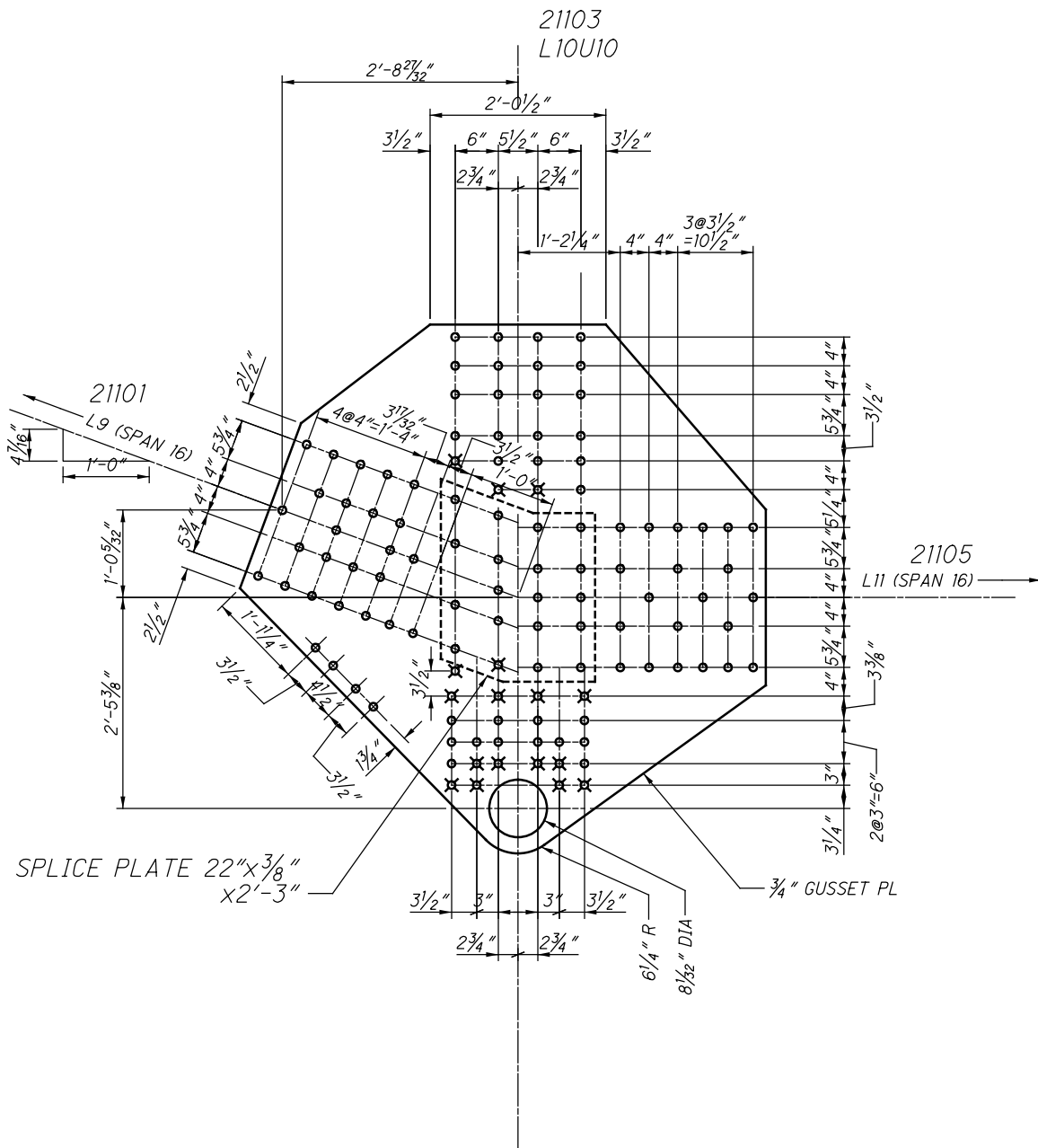
21093
L9U9

21094
L9U10

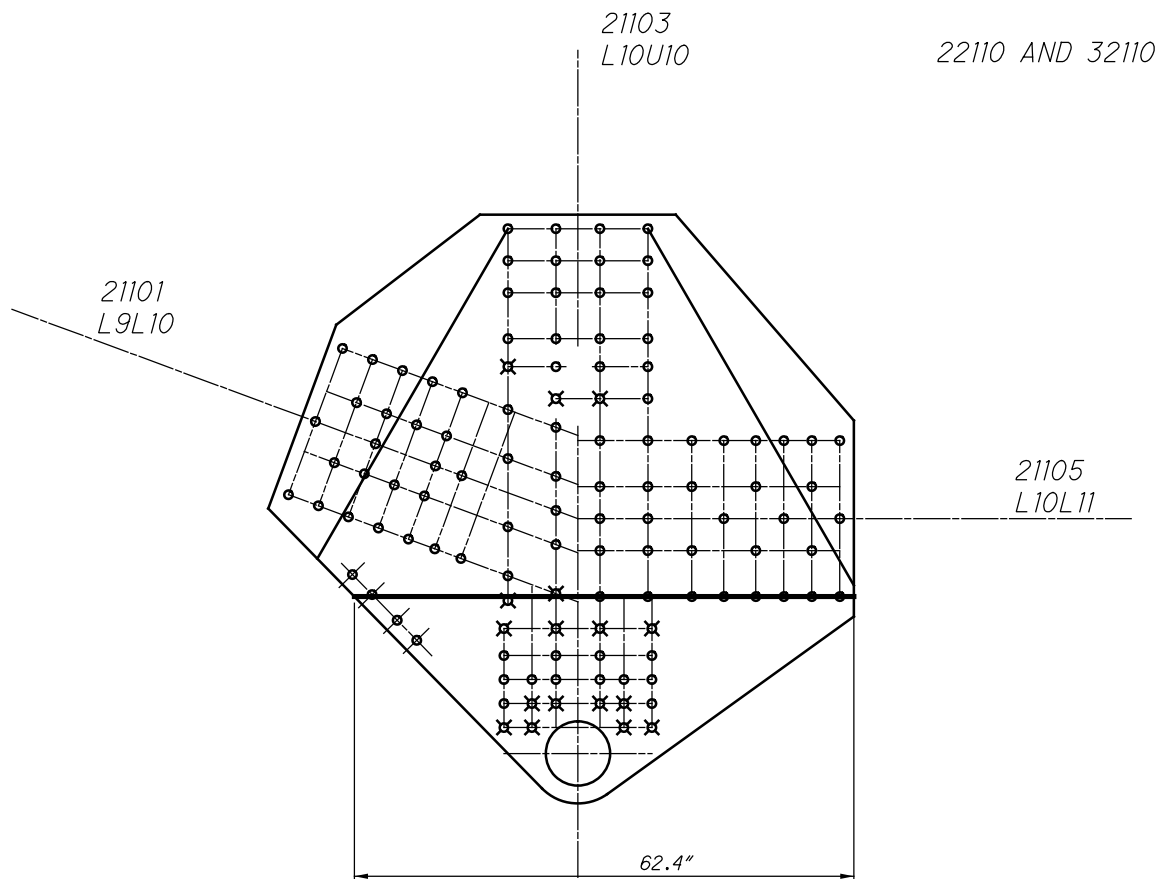
22109 AND 32109



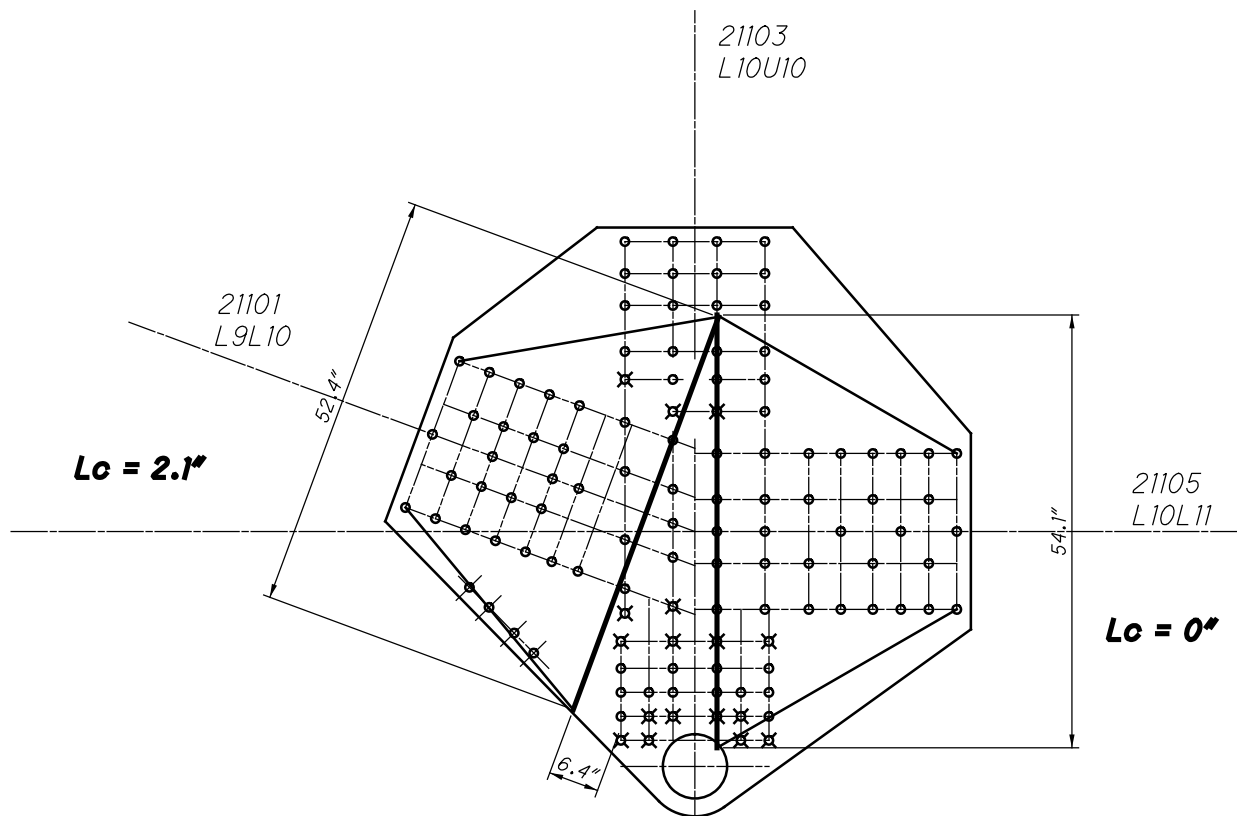
**L109 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**L110 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**L110 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L110 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

**33 RIVETS
x 2 PLATES
=66 RIVETS**

**9 SPLICE P
x 2 PLATES
=18 RIVETS**

21101
L9L10

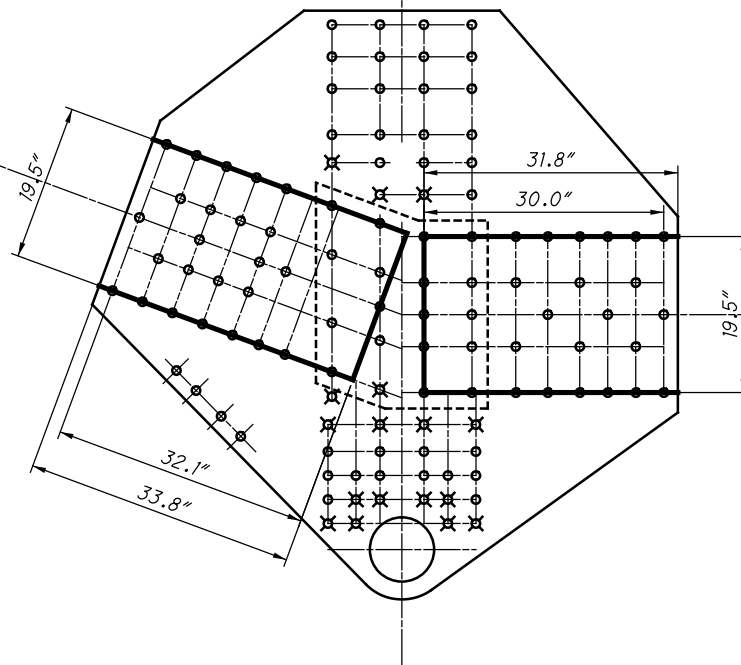
21103
L10U10

22110 AND 32110

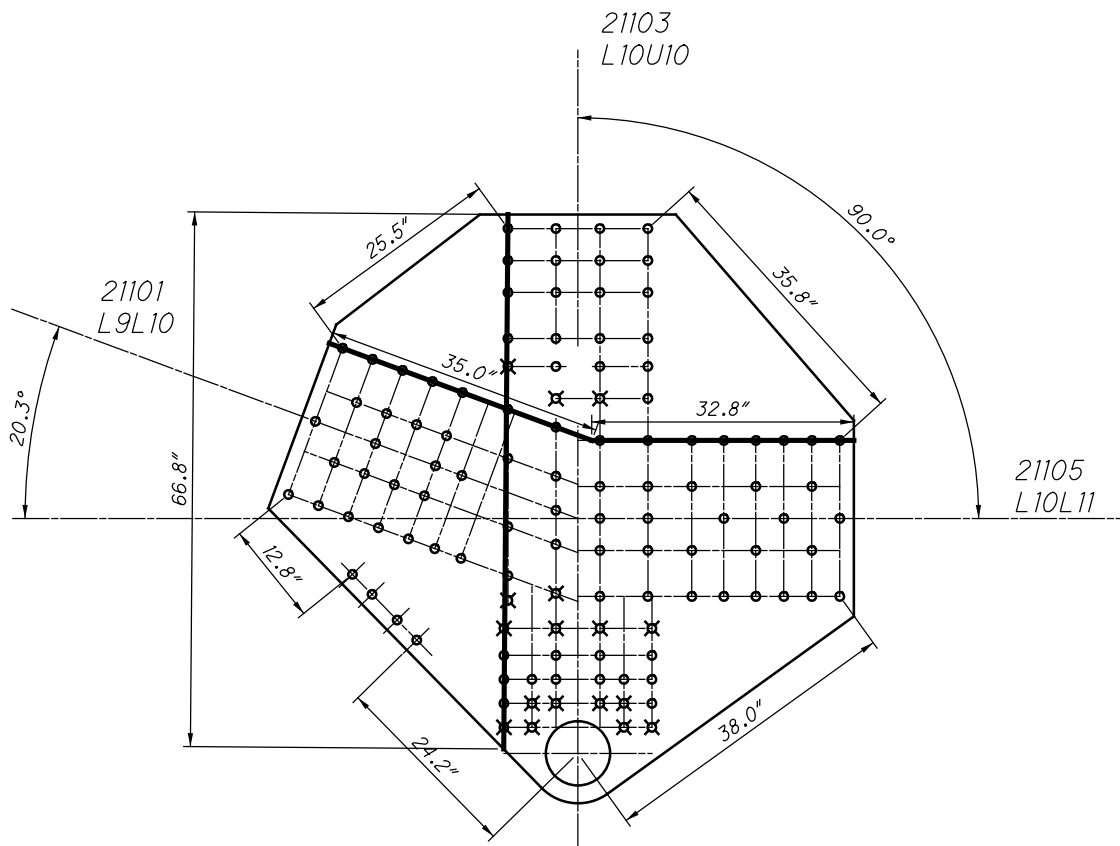
**31 RIVETS
x 2 PLATES
=62 RIVETS**

21105
L10L11

**10 SPLICE P
x 2 PLATES
=20 RIVETS**



**L110 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



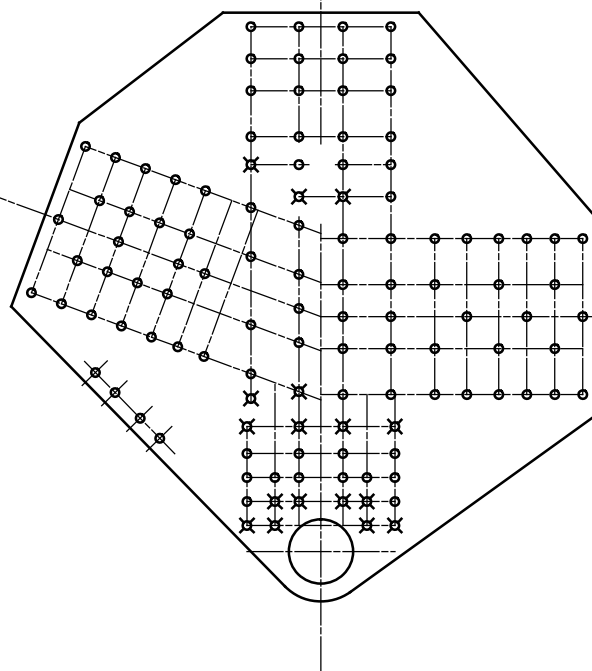
**L110 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

21103
L10U10

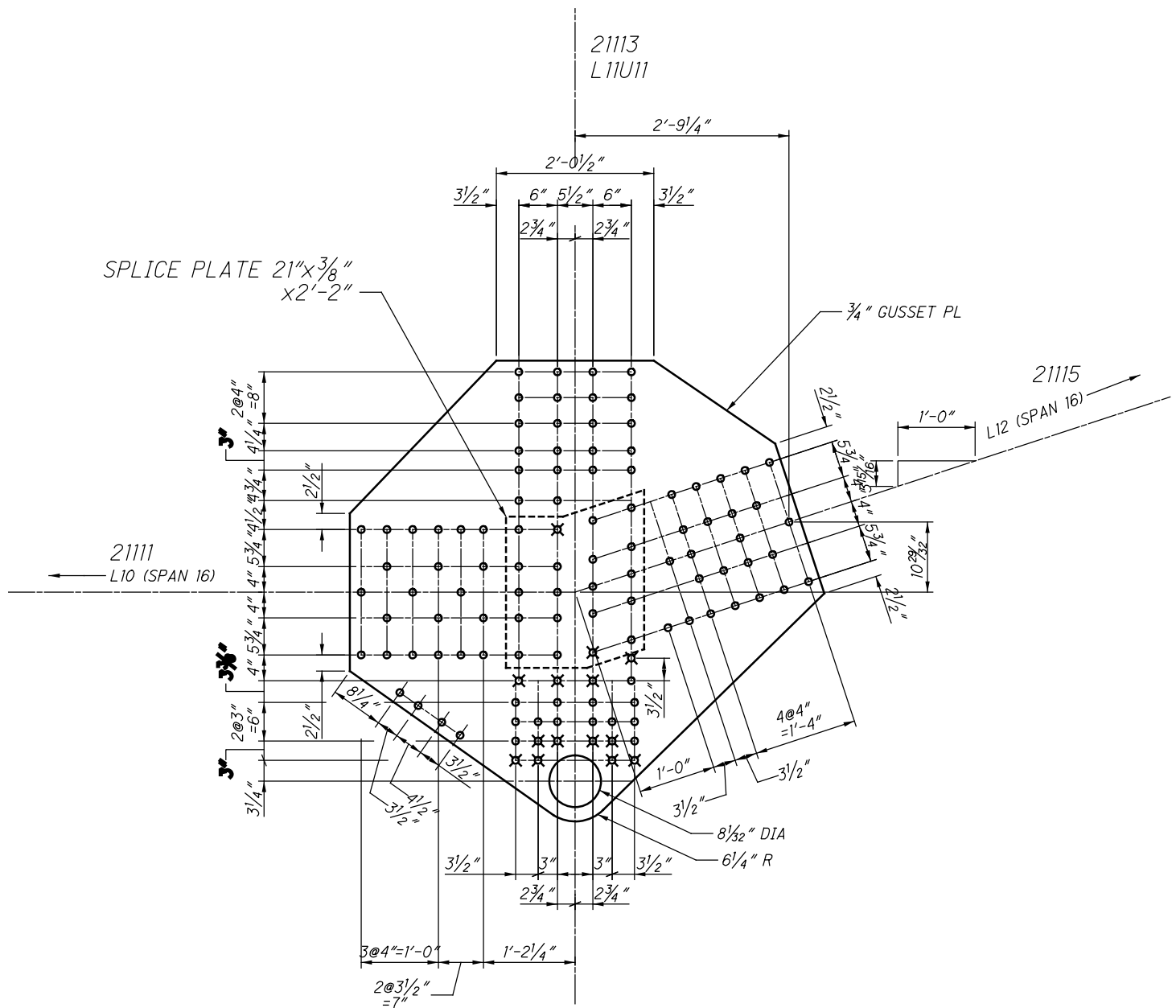
22110 AND 32110

21101
L9L10

21105
L10L11



**L110 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



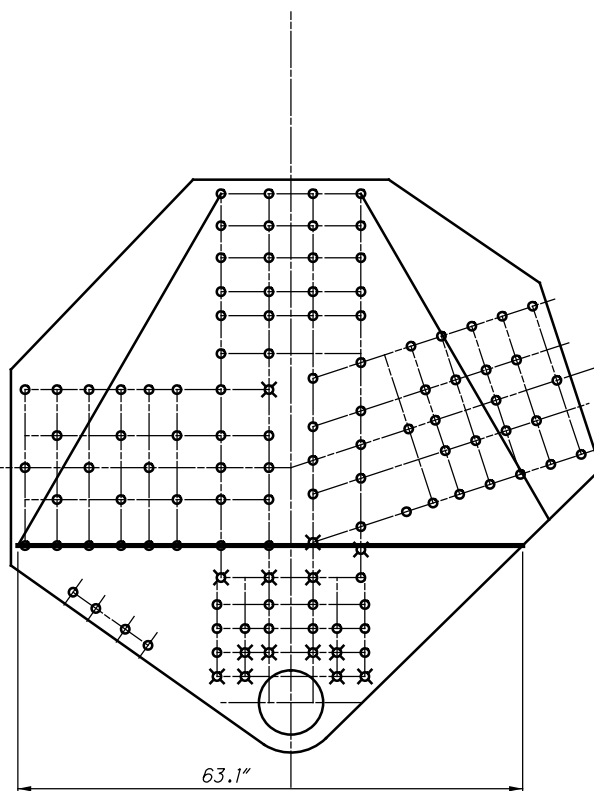
**L111 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21113
L11U11

22111 AND 32111

21115
L11L12

21111
L10L11



**L111 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21113
L11U11

21115
L11L12

21111
L10L11

$L_c = 0"$

54.7"

52.9"

$L_c = 1.7"$

5.0"

**L111 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21113
L11U11

22111 AND 32111

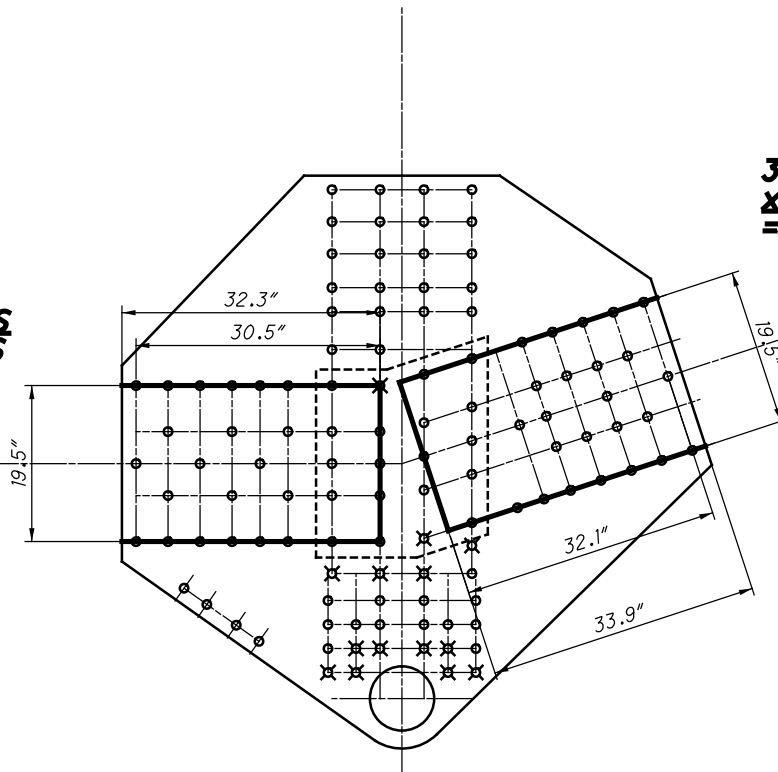
**34 RIVETS
x 2 PLATES
=68 RIVETS** 21115
L11L12

**31 RIVETS
x 2 PLATES
=62 RIVETS**

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

21111
L10L11

**10 SPLICE P
x 2 PLATES
=20 RIVETS**

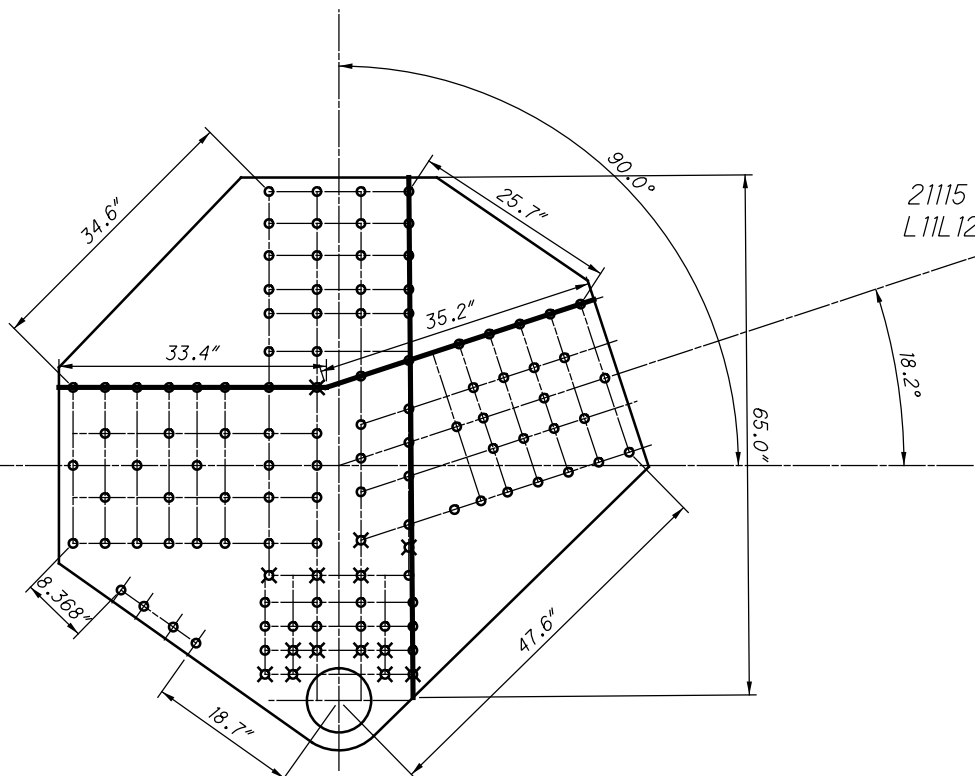


**L111 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21113
L11U11

21115
L11L12

21111
L10L11

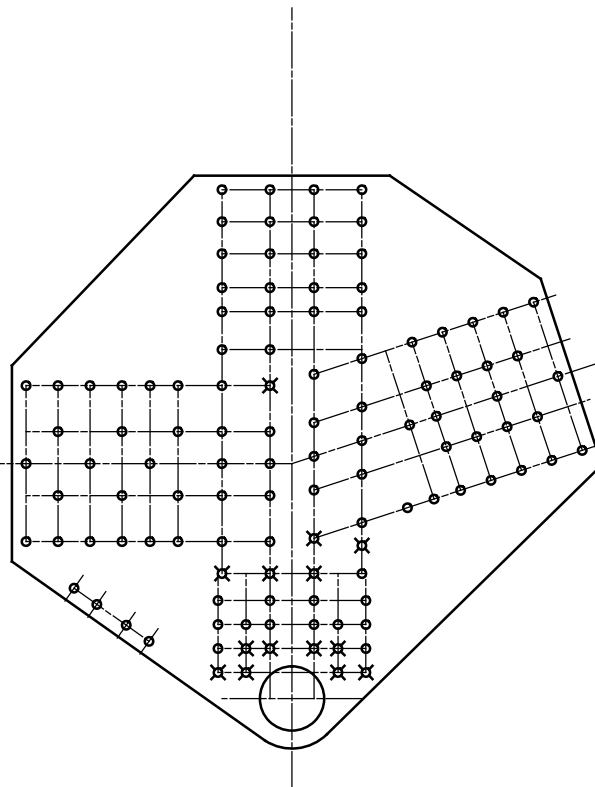


**L111 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

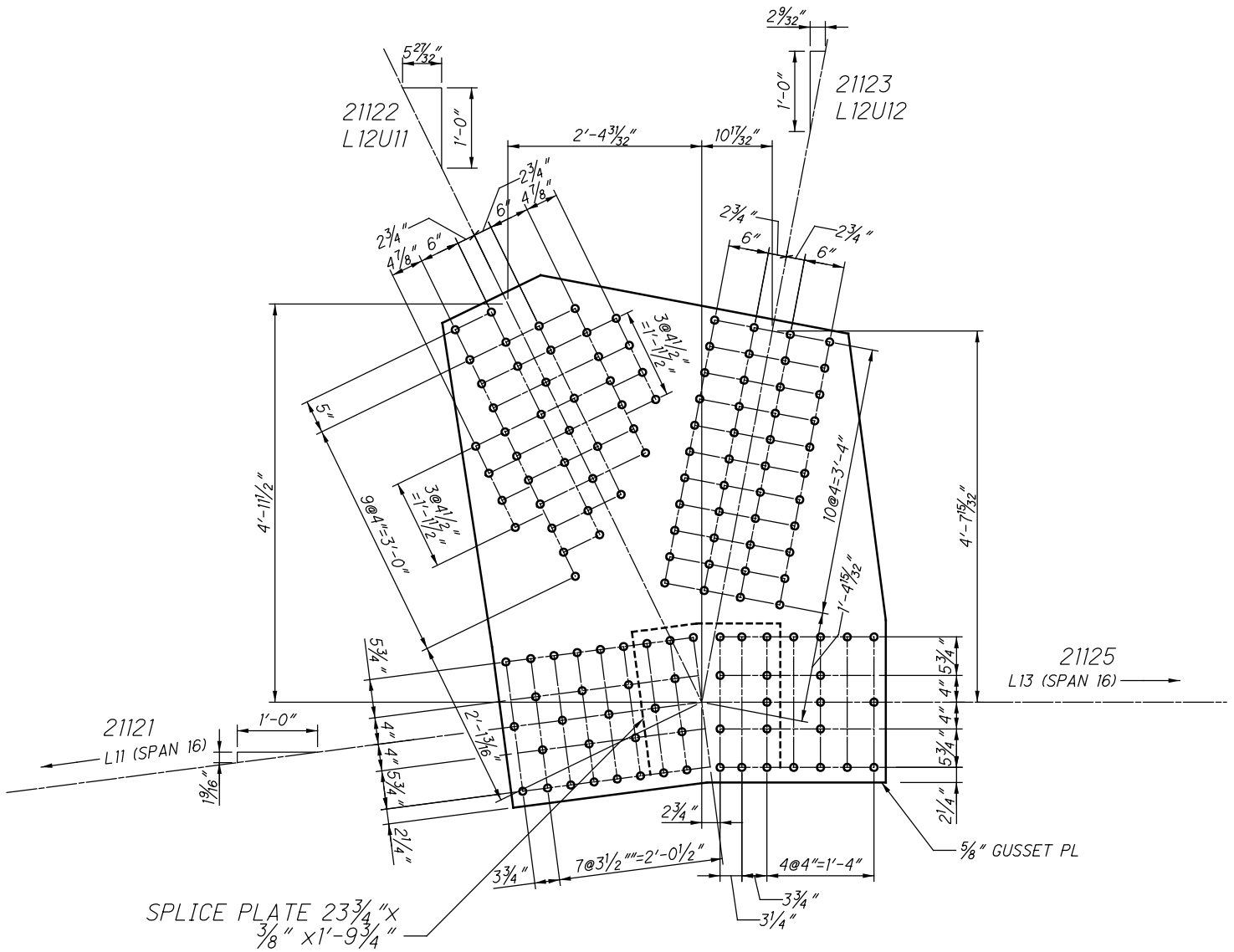
21113
L11U11

22111 AND 32111

21115
L11L12

$$\begin{array}{r} 21111 \\ L10L11 \\ \hline \end{array}$$


**L111 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**



**L112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**

21122
L12U11

21123
L12U12 22112 AND 32112

$L_c = 10.1''$

$L_c = 2.8''$

49.3"

56.7"

21121
L11L12

21125
L12L13

**L112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21122
L12U11

21123
L12U12

$L_c = 3.6''$

$L_c = 3.6''$

21121
L11L12

21125
L12L13

**L112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

36.0"

35.0"

6.2"

4.7"

**33 RIVETS
x 2 PLATES
=66 RIVETS**

21122
L12U11

21123
L12U12 22112 AND 32112

**44 RIVETS
x 2 PLATES
=88 RIVETS**

**23 RIVETS
x 2 PLATES
=46 RIVETS**

**29 RIVETS
x 2 PLATES
=58 RIVETS**

21121
L11L12

**8 SPLICE P
x 2 PLATES
=16 RIVETS**

21125
L12L13

**11 SPLICE P
x 2 PLATES
=22 RIVETS**

**L112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

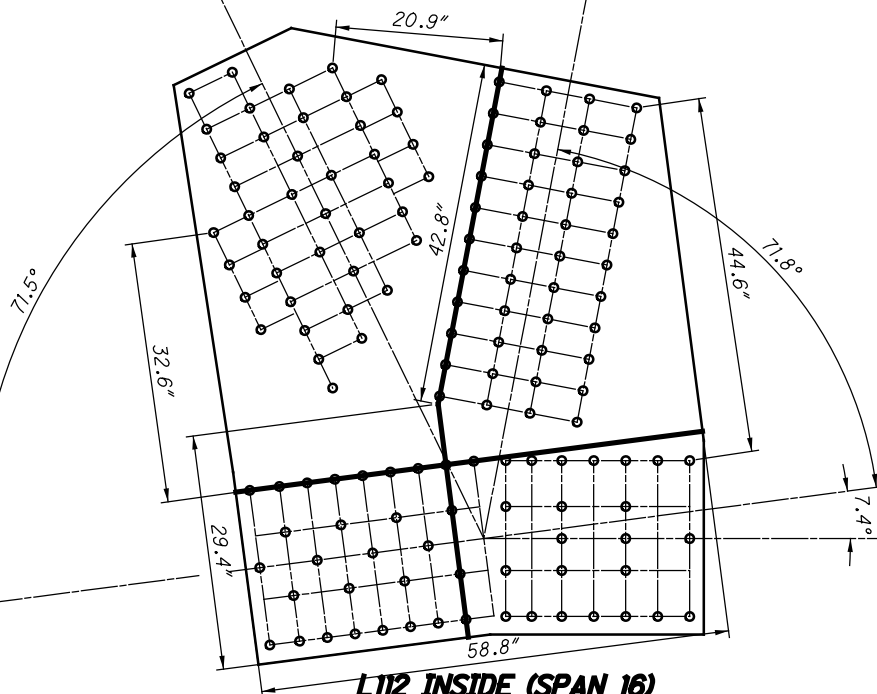
21122
L12U11

21123
L12U12

21121
L11L12

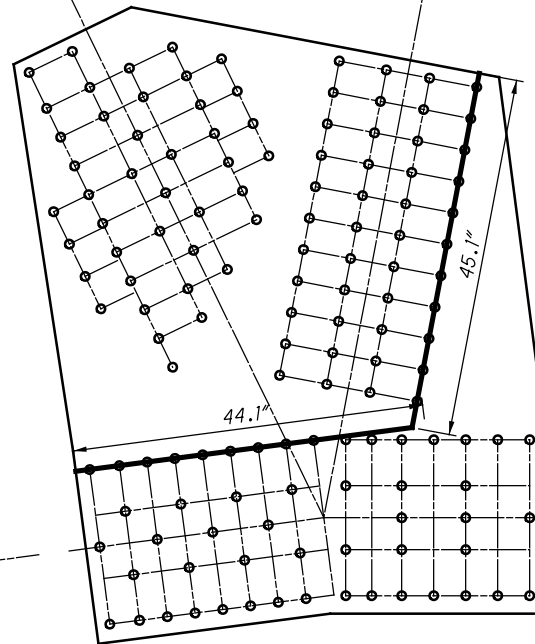
21125
L12L13

**L112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE
SHEAR AND FREE EDGE CHECK**



21122
L12U11

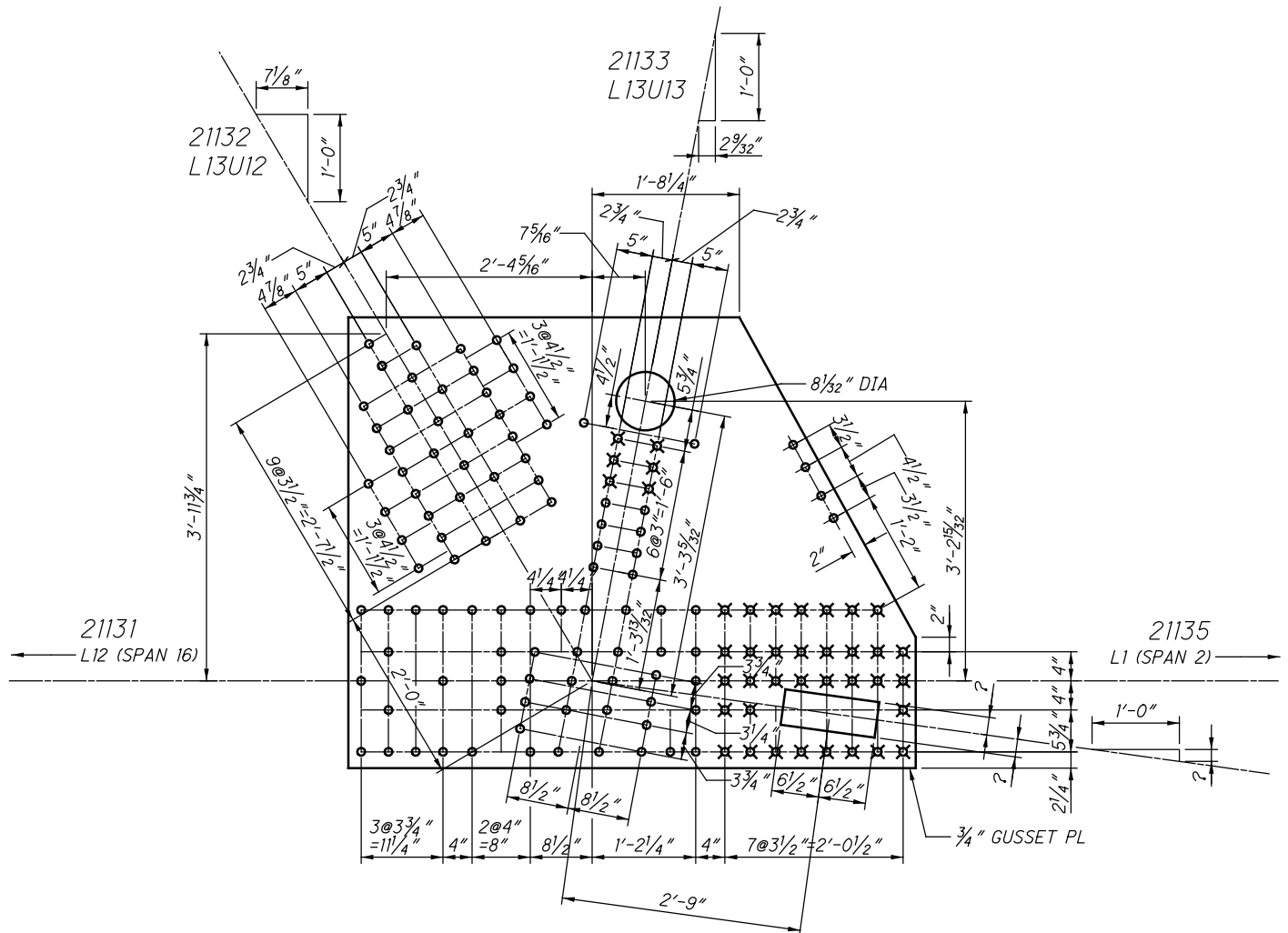
21123
L12U12 22112 AND 32112



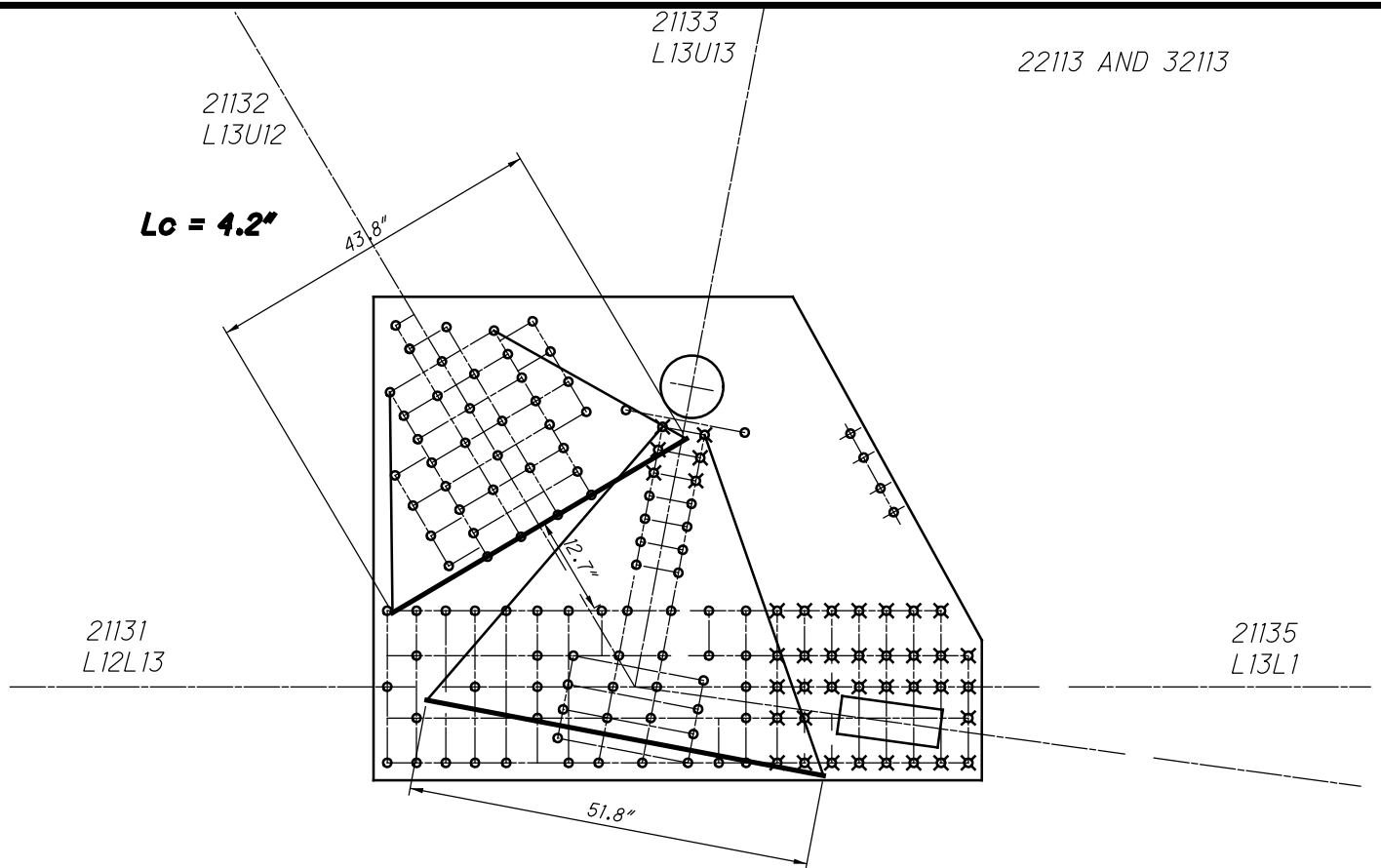
21121
L11L12

21125
L12L13

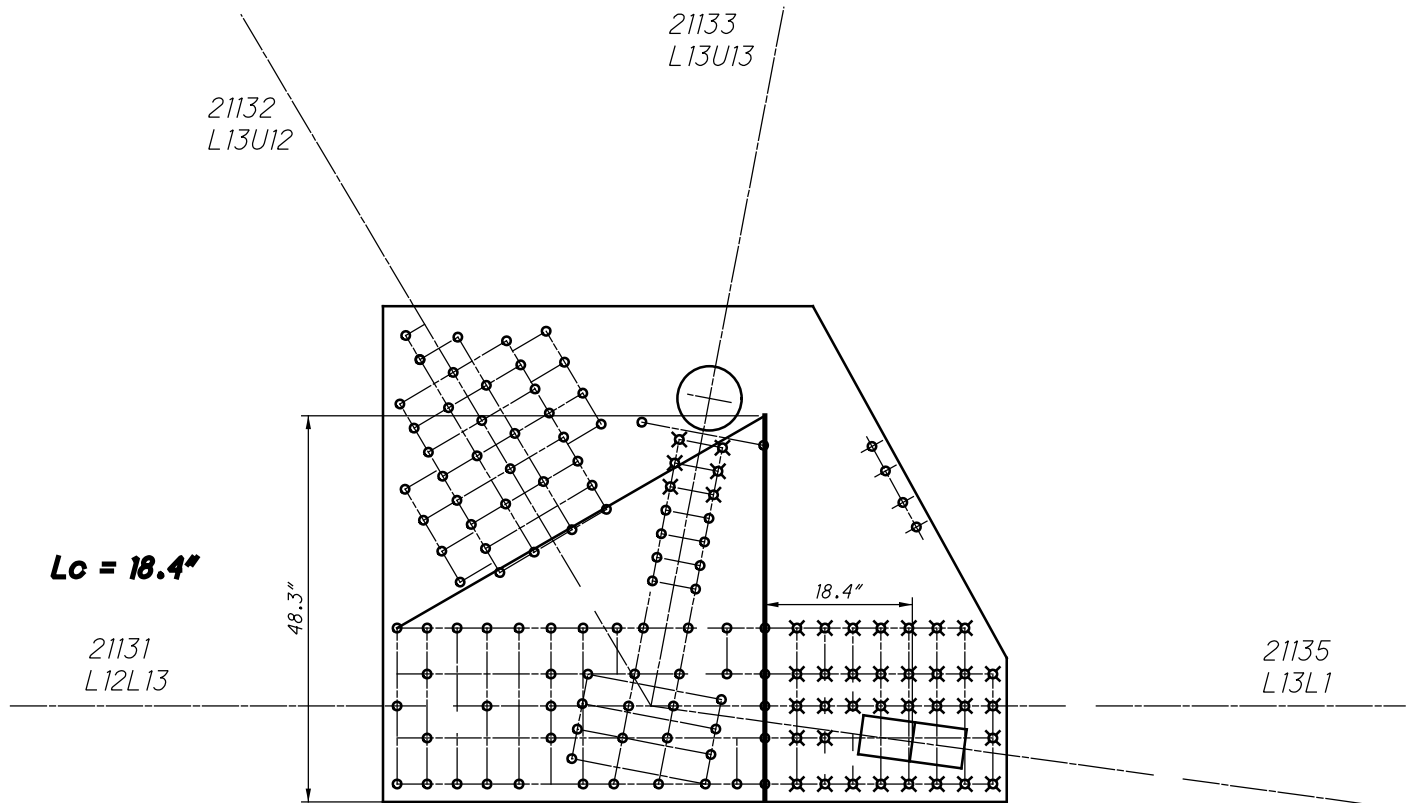
**L112 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE
QUADRANT DIMENSIONS**



**L113 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)**



**L113 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L113 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

**30 RIVETS
x 2 PLATES
=60 RIVETS**

21132
L13U12

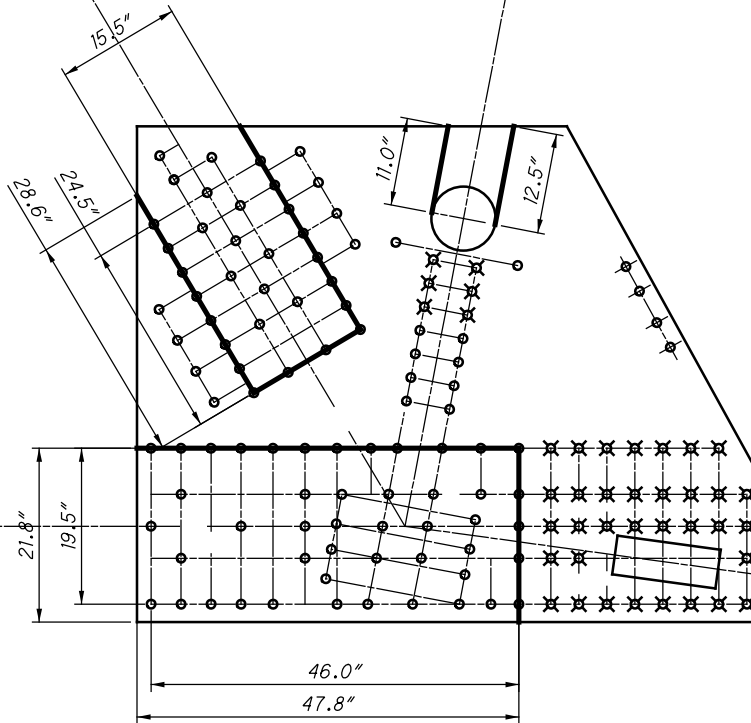
21133
L13U13

22113 AND 32113

**47 RIVETS
x 2 PLATES
=94 RIVETS**

21131
L12L13

21135
L13L1



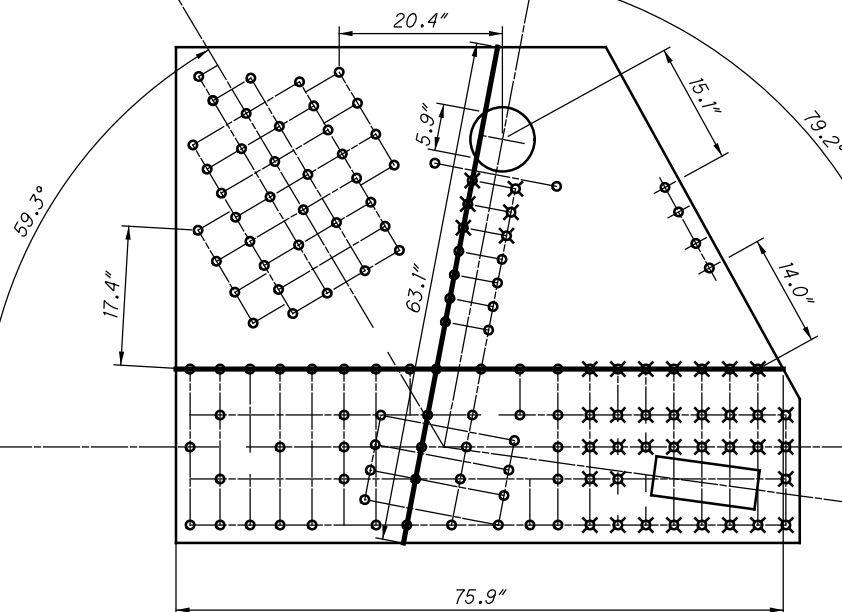
**L113 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21132
L13U12

21133
L13U13

21131
L12L13

21135
L13L1



**L113 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
SHEAR AND FREE EDGE CHECK**

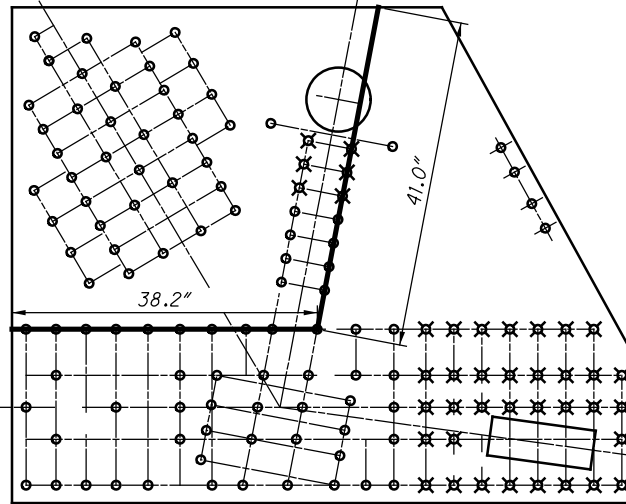
21132
L13U12

21133
L13U13

22113 AND 32113

21131
L12L13

21135
L13L1



**L113 INSIDE (SPAN 16)
(NEAR SIDE AND FAR SIDE)
QUADRANT DIMENSIONS**

**SPAN 17 GUSSET PLATES
LORAIN CARNEGIE**

CHECKED: _____

DATE: _____

LEGEND

- 1 $\frac{1}{16}$ " HOLES TYPICAL
- ◊ 1 $\frac{1}{16}$ " HOLES FOR TAP BOLTS - PIN KEEPER PLATES
USE FOR PLATE NET SECTION ONLY
- ⊠ COUNTERSUNK BOTH SIDES, BOTH PLATES

NOTES:

ALL EDGE DISTANCES ARE 1 $\frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

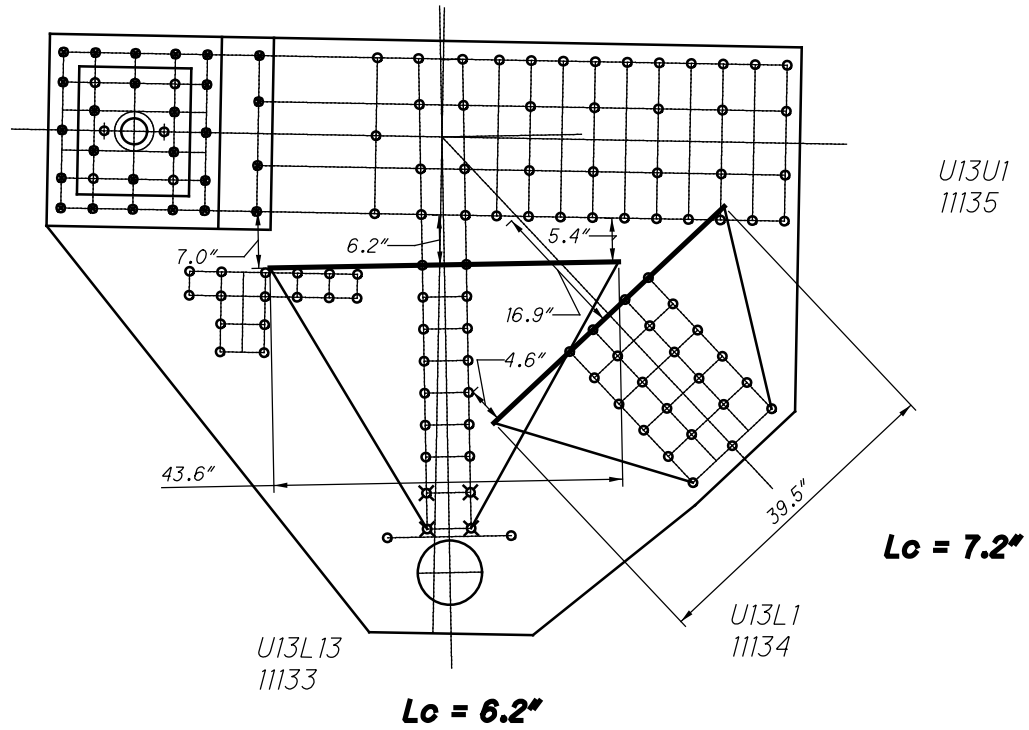
ALL GUSSET PLATES ARE COPPER
BEARING SILICON STEEL.

[illegible]

**U113 INSIDE (SPAN 17)
(NEAR SIDE AND FAR SIDE)**

U13U12
11131

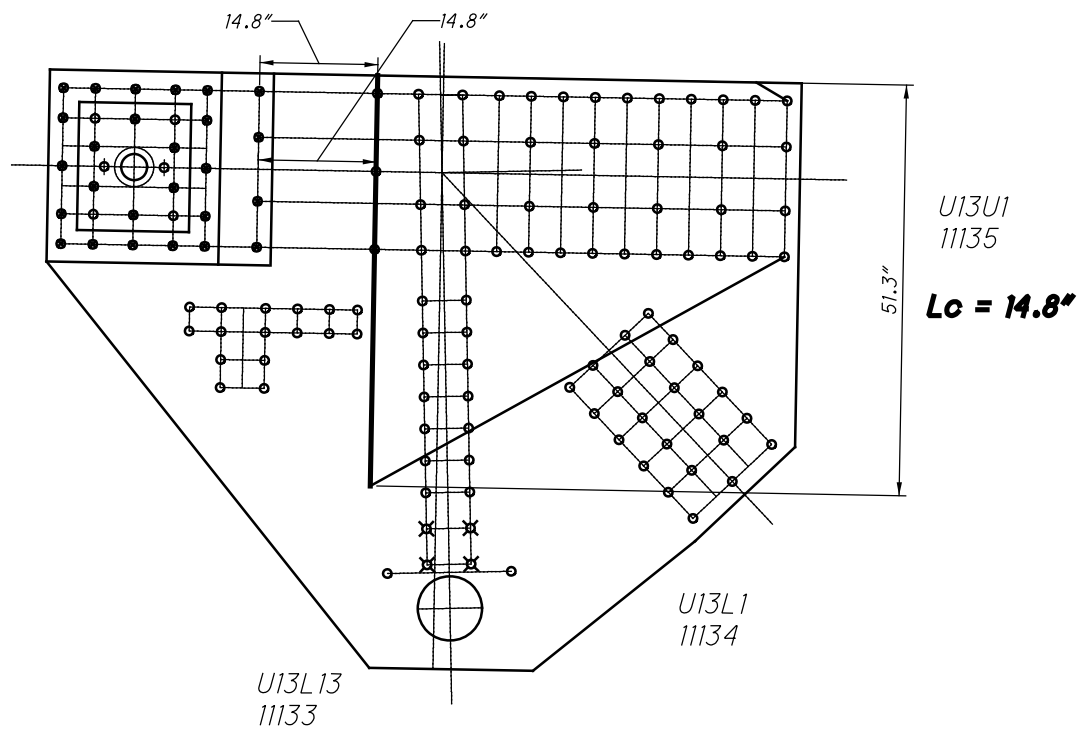
U13U1
11135



**U113 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

U13U12
11131

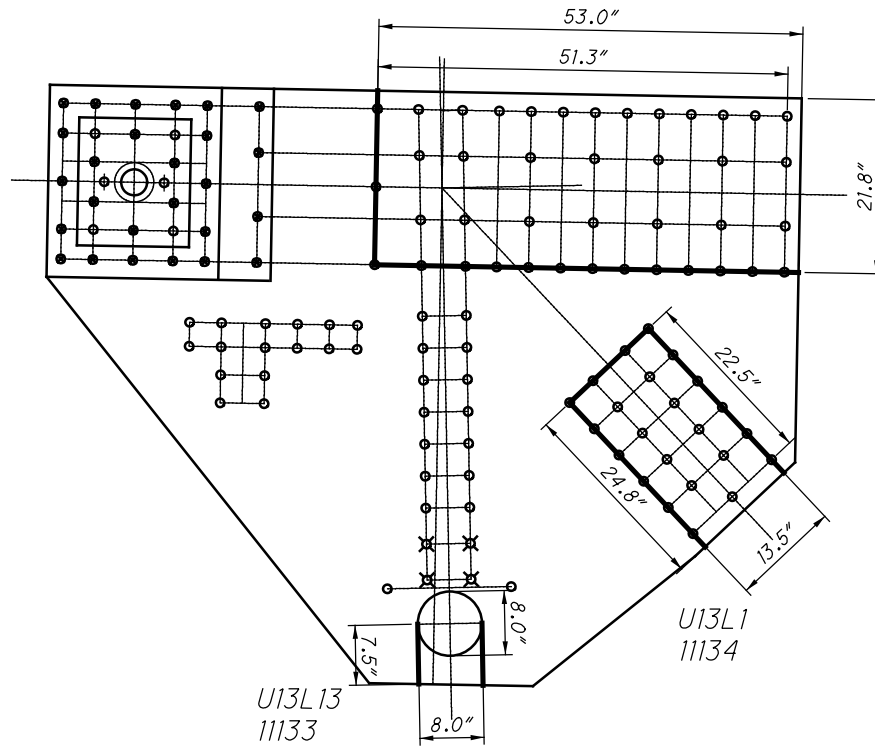
U13U1
11135



**U113 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21113 AND 31113

U13U12
11131



41 RIVETS
 $\times 2$ PLATES
=82 RIVETS

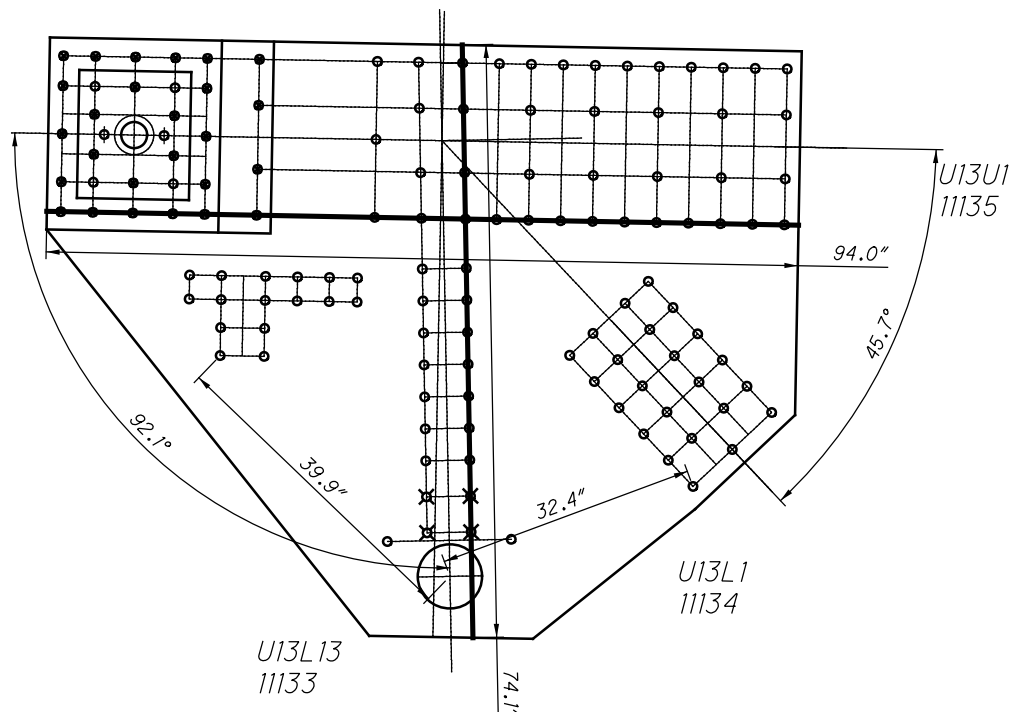
U13U1
11135

23 RIVETS
 $\times 2$ PLATES
=46 RIVETS

U13L1
11134

**U113 INSIDE (SPAN 17)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

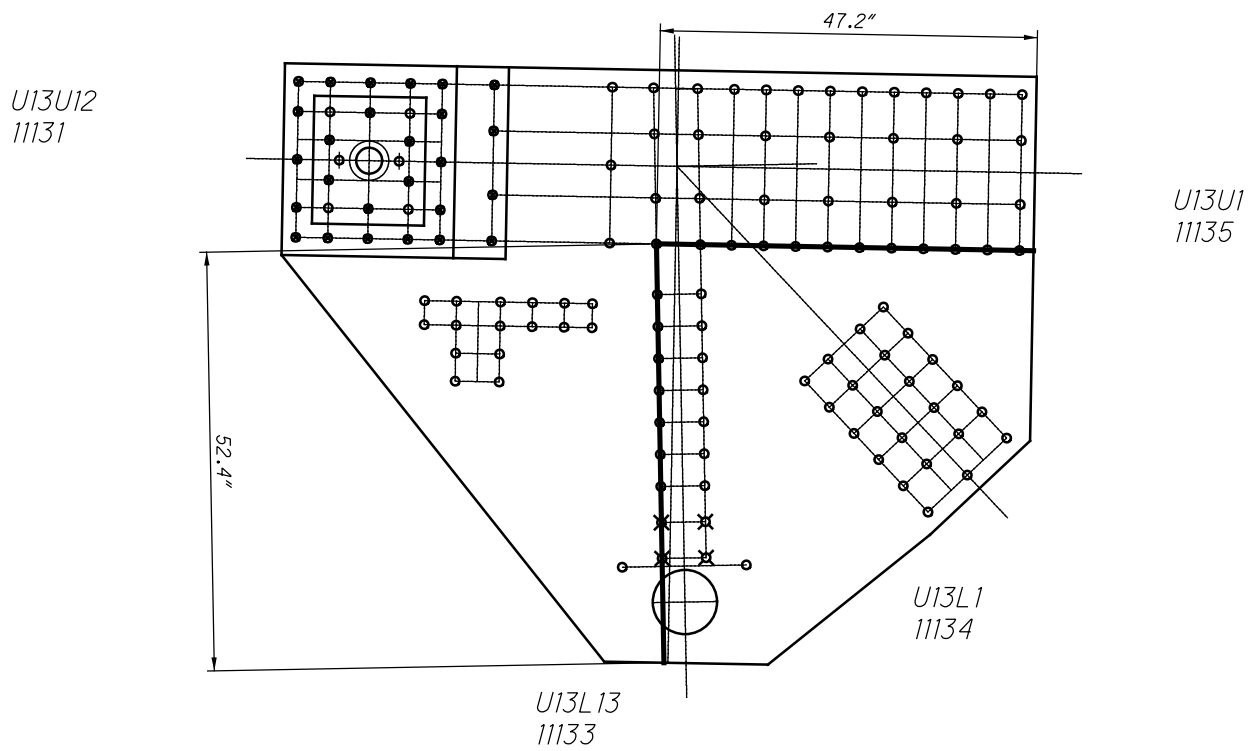
U13U12
11131



U13U1
11135

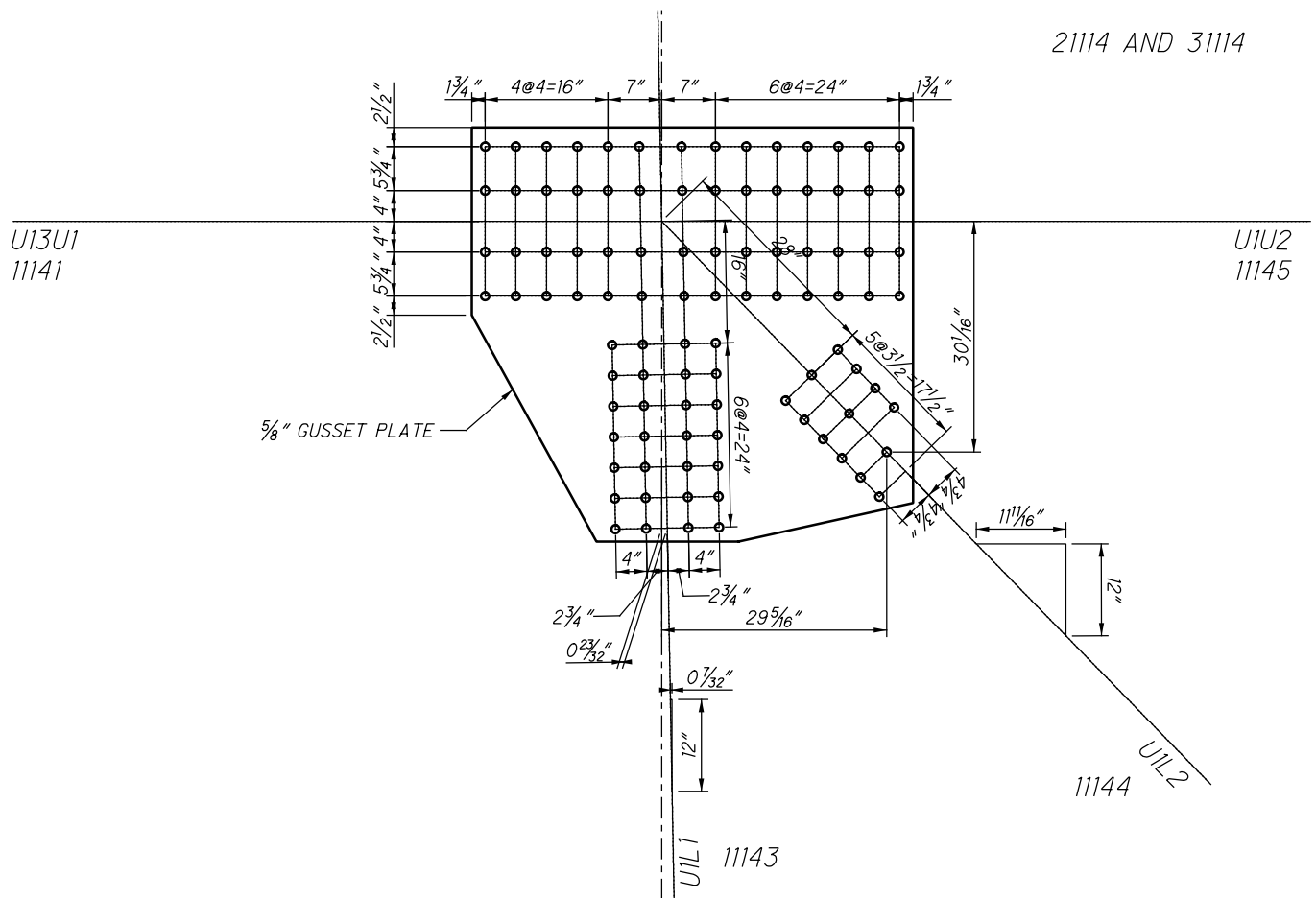
U13L1
11134

**U113 INSIDE (SPAN 17)
SHEAR AND FREE EDGE CHECK**



**U113 INSIDE (SPAN 17)
QUADRANT DIMENSIONS**

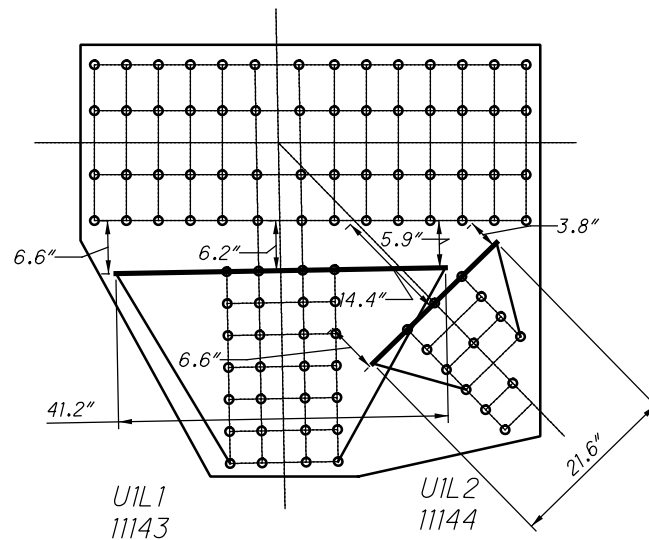
21114 AND 31114



**U114 INSIDE (SPAN 17)
(NEAR SIDE AND FAR SIDE)**

U13U1
11141

U1U2
11145



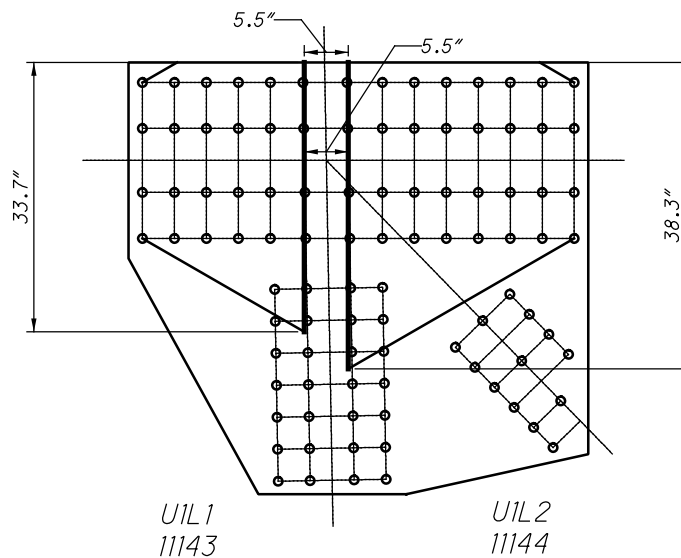
$L_c = 6.2"$

$L_c = 8.3"$

**U114 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

U13U1
11141

U1U2
11145



$L_c = 3.7"$

$L_c = 3.7"$

**U114 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

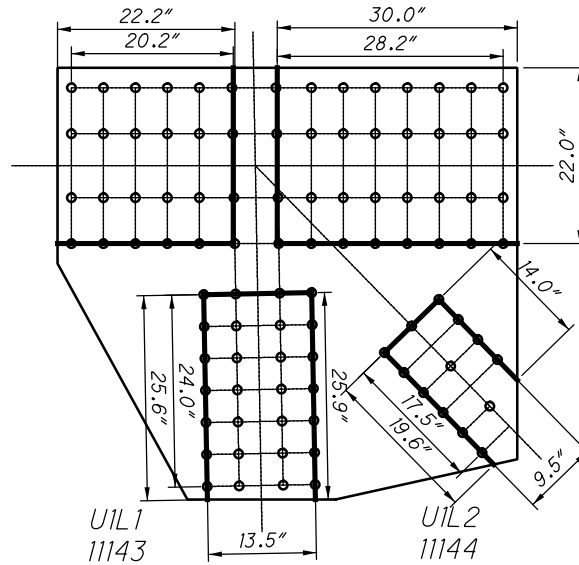
21114 AND 31114

24 RIVETS
x 2 PLATES
=48 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

U13U1
11141

U1U2
11145



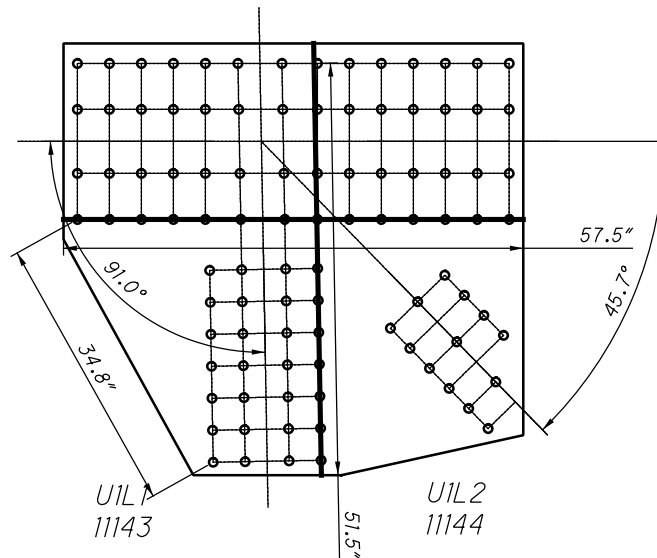
13 RIVETS
x 2 PLATES
=26 RIVETS

28 RIVETS
x 2 PLATES
=56 RIVETS

**U114 INSIDE (SPAN 17)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

U13U1
11141

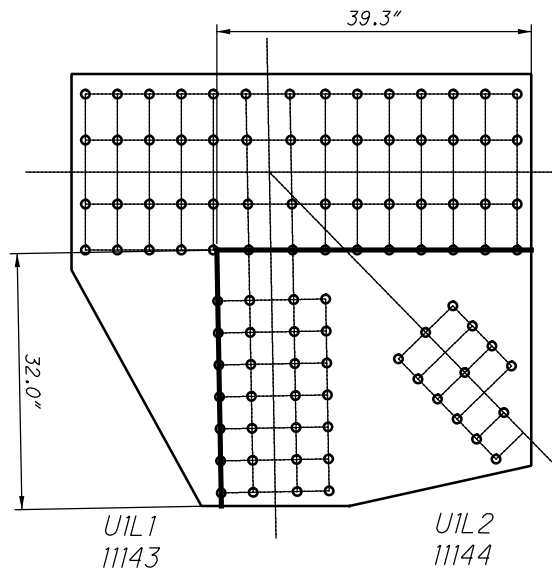
U1U2
11145



**U114 INSIDE (SPAN 17)
SHEAR AND FREE EDGE CHECK**

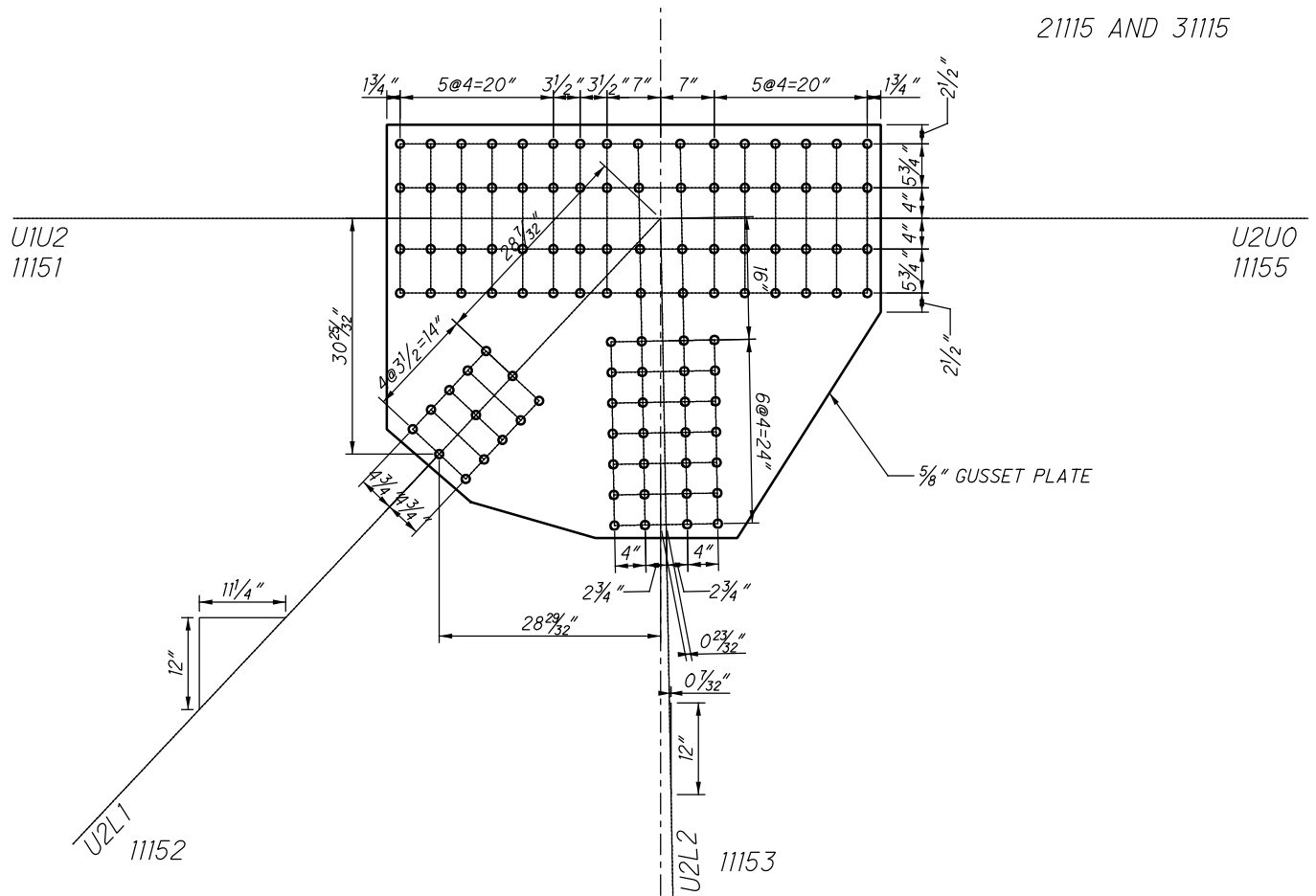
U13U1
11141

U1U2
11145



**U114 INSIDE (SPAN 17)
QUADRANT DIMENSIONS**

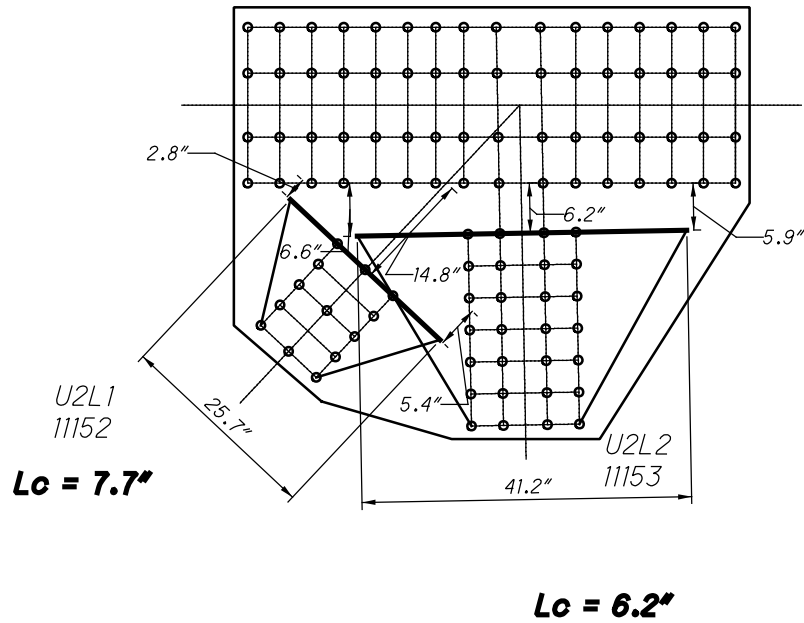
21115 AND 31115



**U115 INSIDE (SPAN 17)
(NEAR SIDE AND FAR SIDE)**

U1U2
11151

U2U0
11155

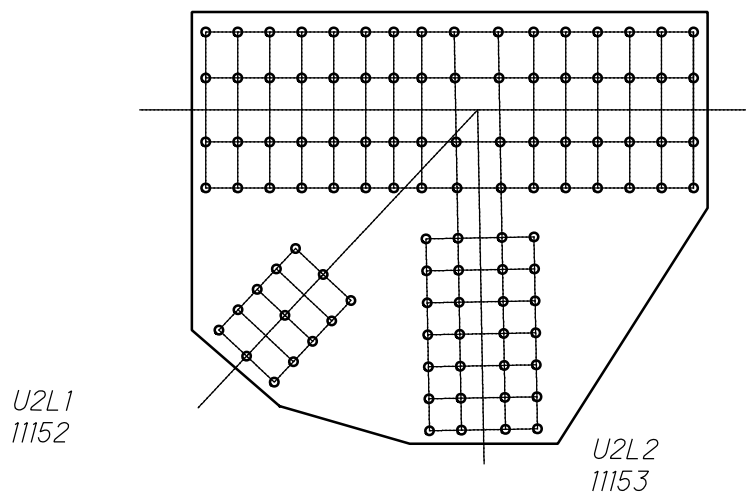


**U115 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

U1U2
11151

U2U0
11155



**U115 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

U1U2
11151

U2U0
11155

U2L1
11152

U2L2
11153

13 RIVETS
x 2 PLATES
=26 RIVETS

28 RIVETS
x 2 PLATES
=56 RIVETS

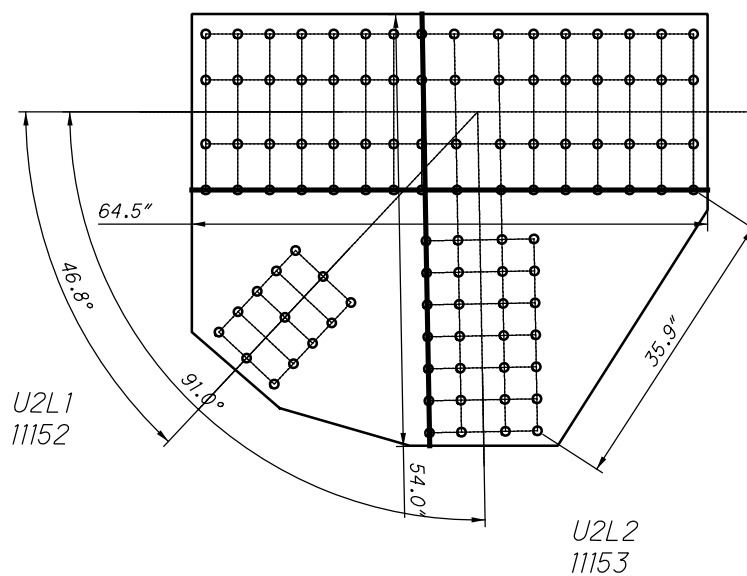
**U115 INSIDE (SPAN 17)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

U1U2
11151

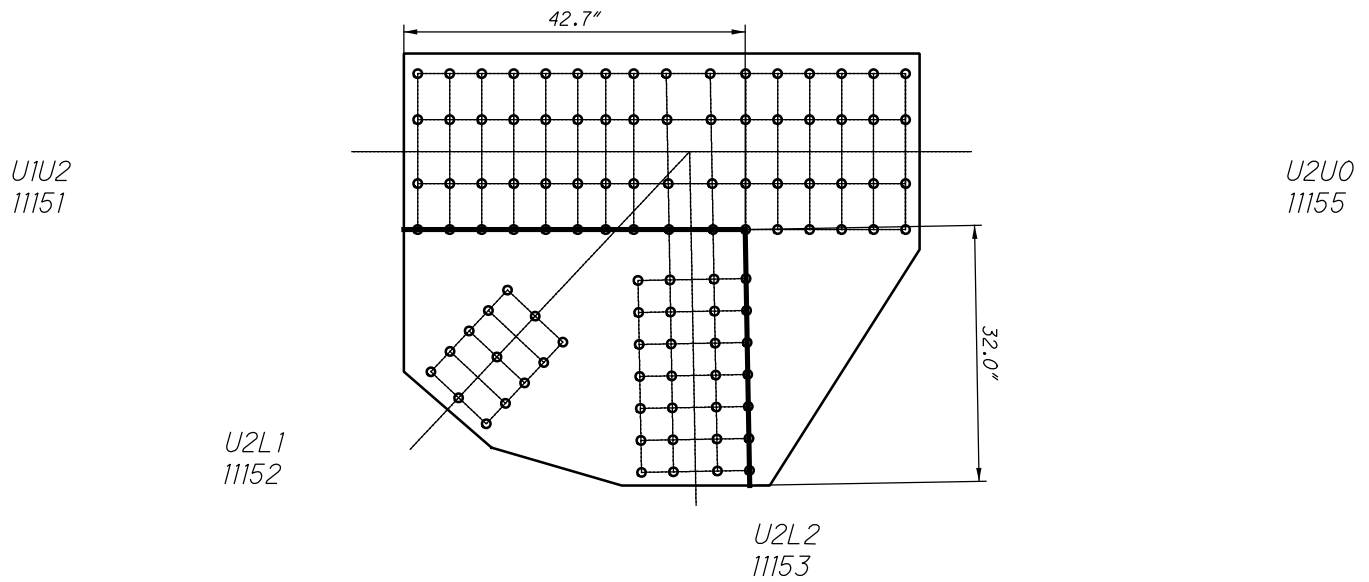
U2U0
11155

U2L1
11152

U2L2
11153

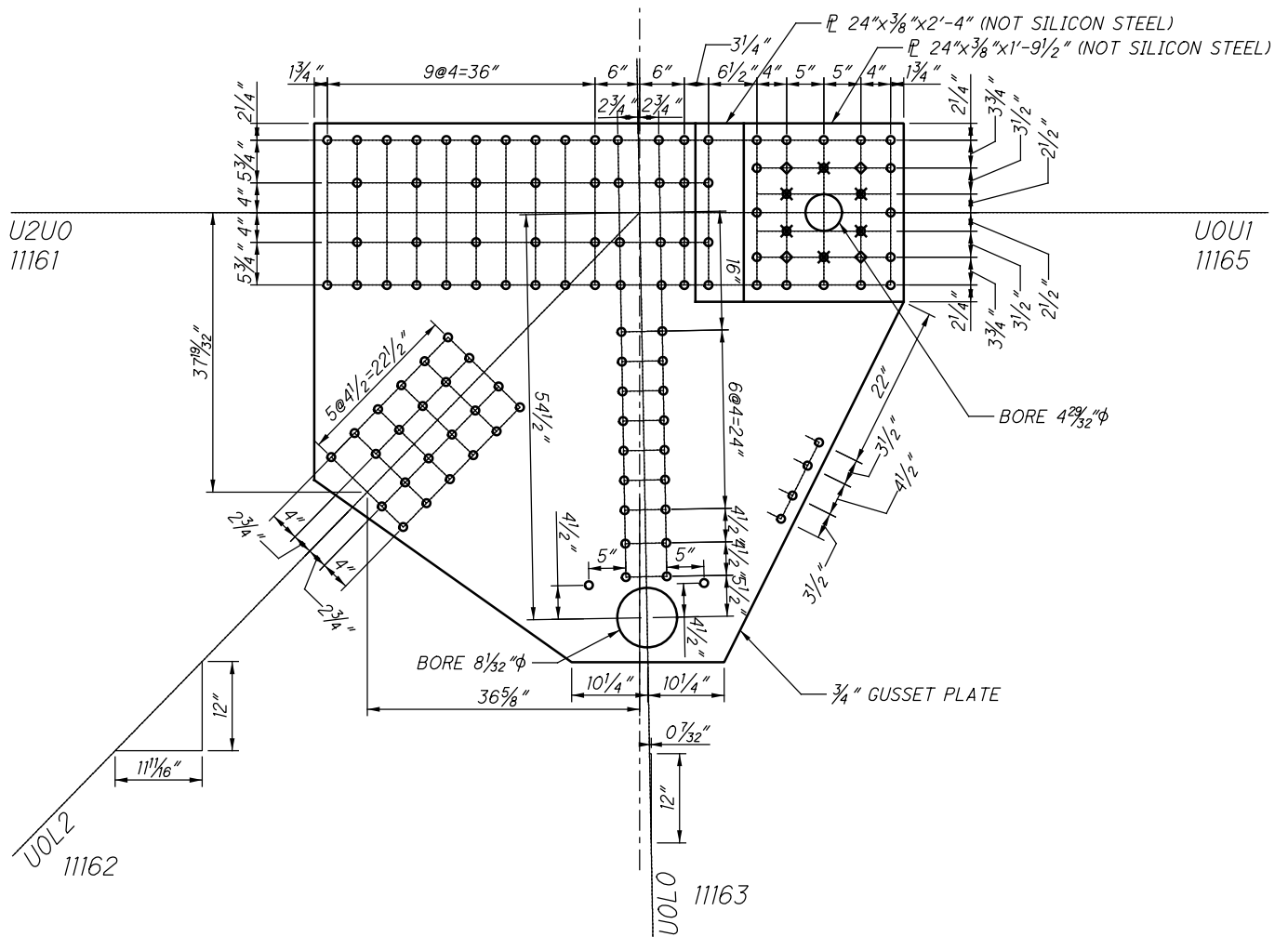


**U115 INSIDE (SPAN 17)
SHEAR AND FREE EDGE CHECK**



**U115 INSIDE (SPAN 17)
QUADRANT DIMENSIONS**

21116 AND 31116



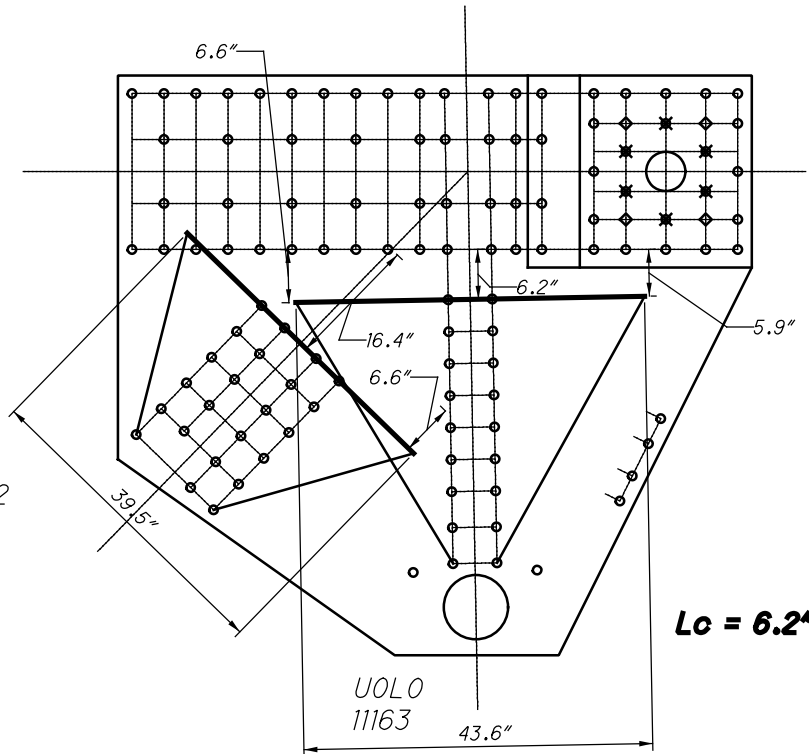
**U116 INSIDE (SPAN 17)
(NEAR SIDE AND FAR SIDE)**

U2U0
11161

U0U1
11165

$L_c = 7.7''$

U0L2
11162



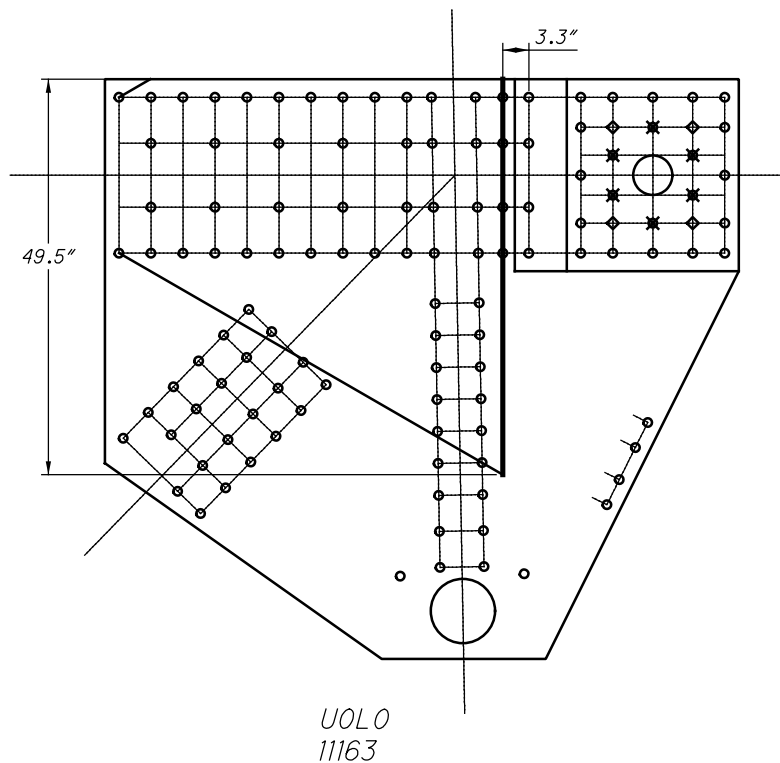
**U116 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 3.3''$

U2U0
11161

U0U1
11165

U0L2
11162



**U116 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

42 RIVETS
x 2 PLATES
=84 RIVETS

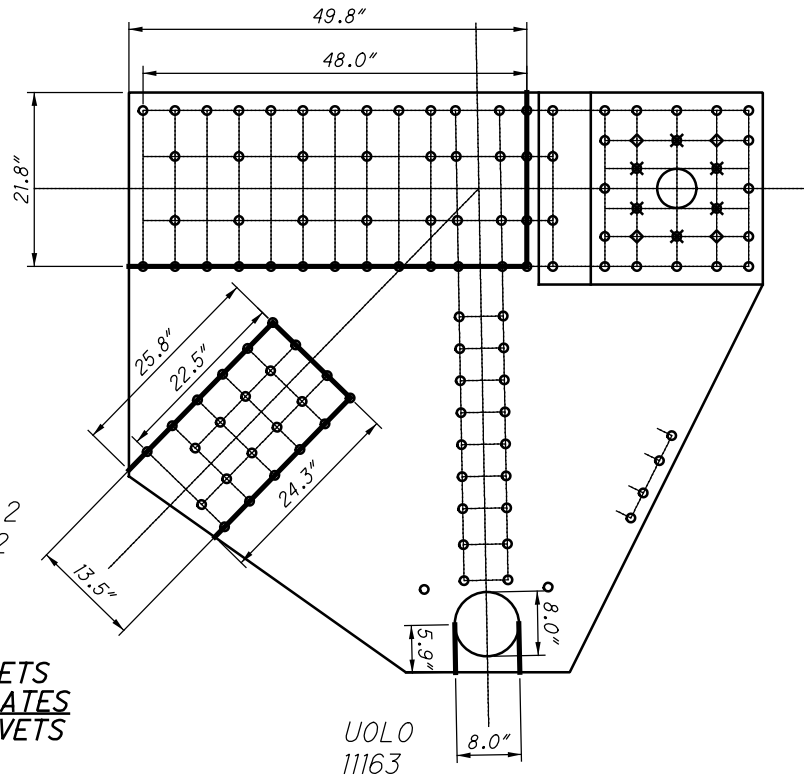
U2U0
11161

U0U1
11165

U0L2
11162

23 RIVETS
x 2 PLATES
=46 RIVETS

U0L0
11163



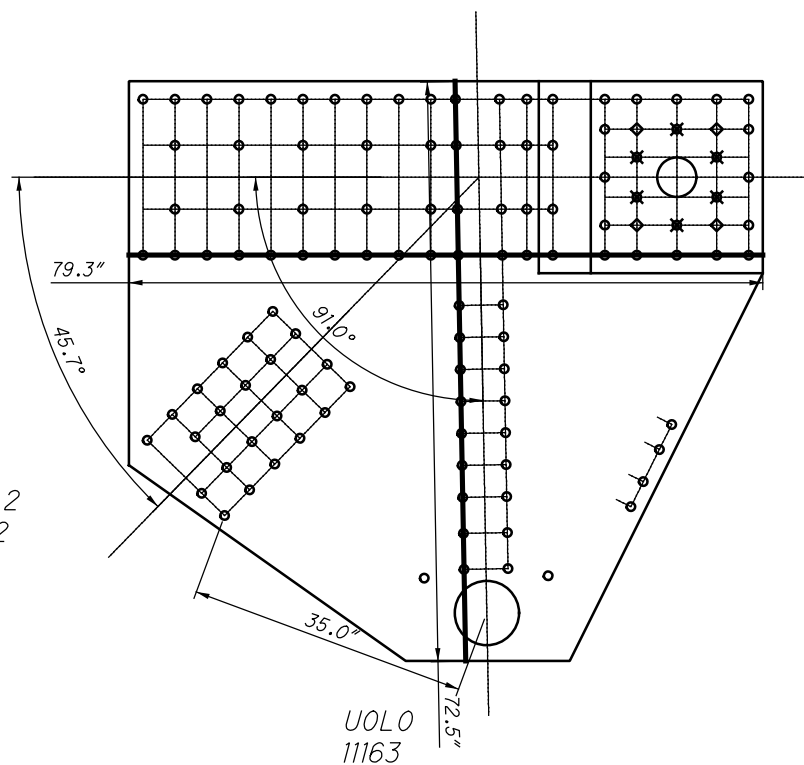
**U116 INSIDE (SPAN 17)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

U2U0
11161

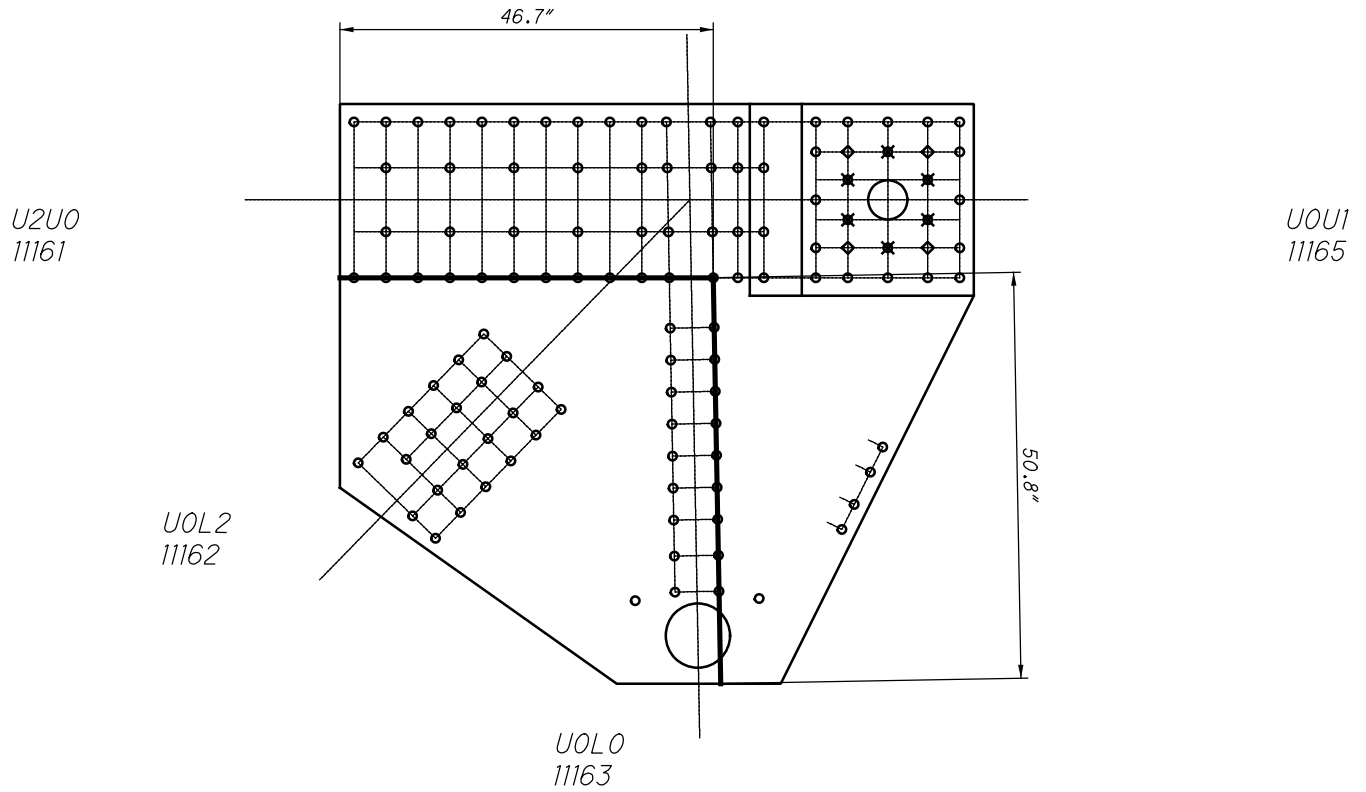
U0U1
11165

U0L2
11162

U0L0
11163



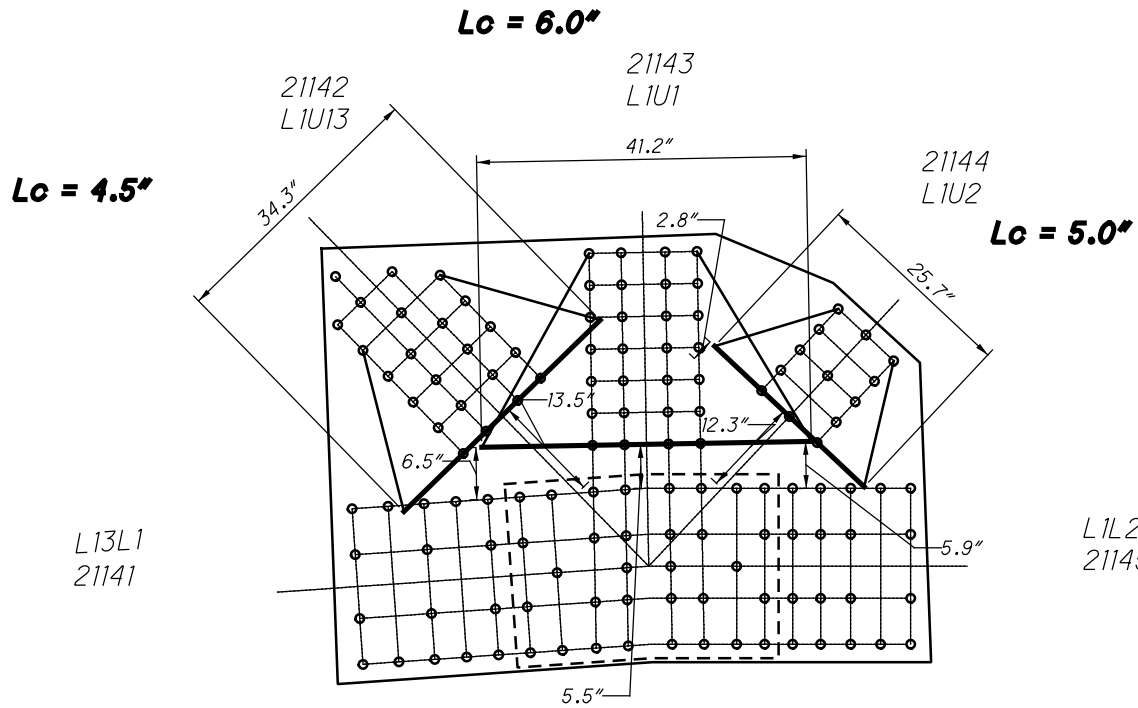
**U116 INSIDE (SPAN 17)
SHEAR AND FREE EDGE CHECK**



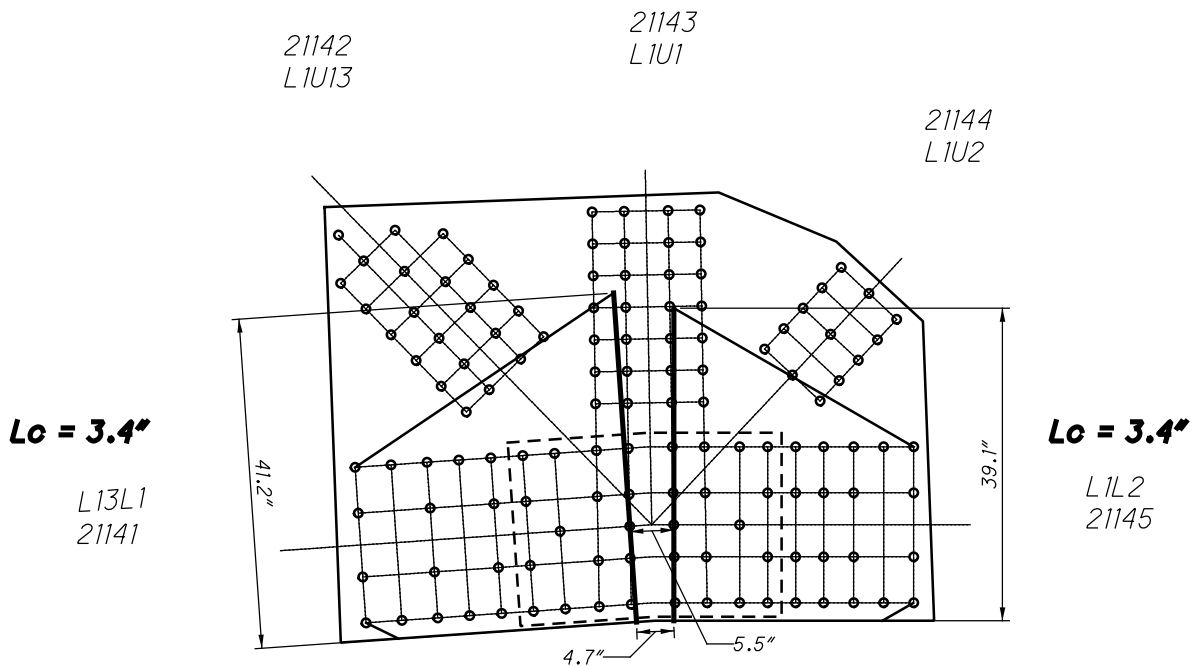
**U116 INSIDE (SPAN 17)
QUADRANT DIMENSIONS**

[illegible]

**L114 INSIDE (SPAN 17)
(NEAR SIDE AND FAR SIDE)**



**L114 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L114 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

28 RIVETS
x 2 PLATES
 =56 RIVETS

22114 AND 32114

21142
 L1U13

21143
 L1U1

21144
 L1U2

23 RIVETS
x 2 PLATES
 =46 RIVETS

13 RIVETS
x 2 PLATES
 =26 RIVETS

L13L1
 21141

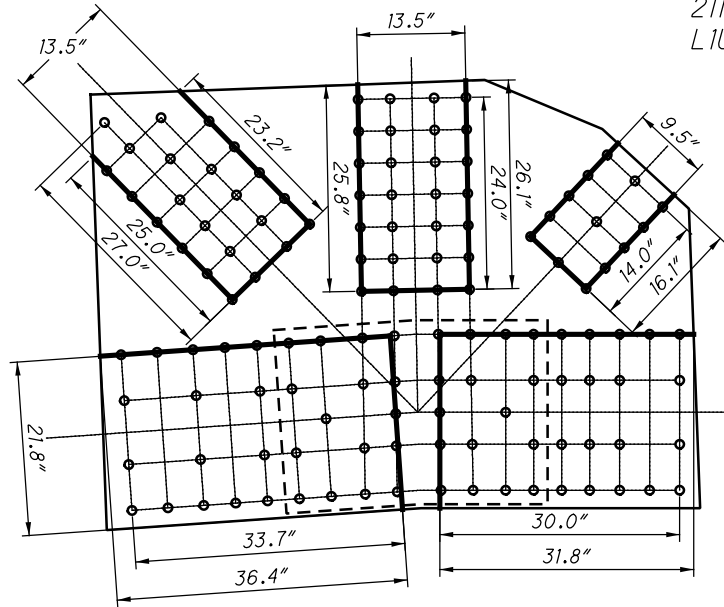
L1L2
 21145

32 RIVETS
x 2 PLATES
 =64 RIVETS

34 RIVETS
x 2 PLATES
 =68 RIVETS

16 SPLICE P
x 2 PLATES
 =32 RIVETS

16 SPLICE P
x 2 PLATES
 =32 RIVETS



**L114 INSIDE (SPAN 17)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

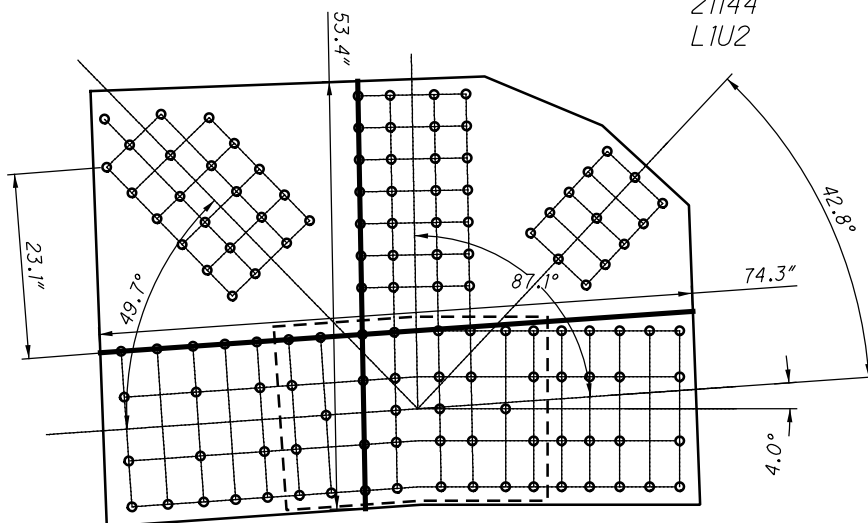
21142
 L1U13

21143
 L1U1

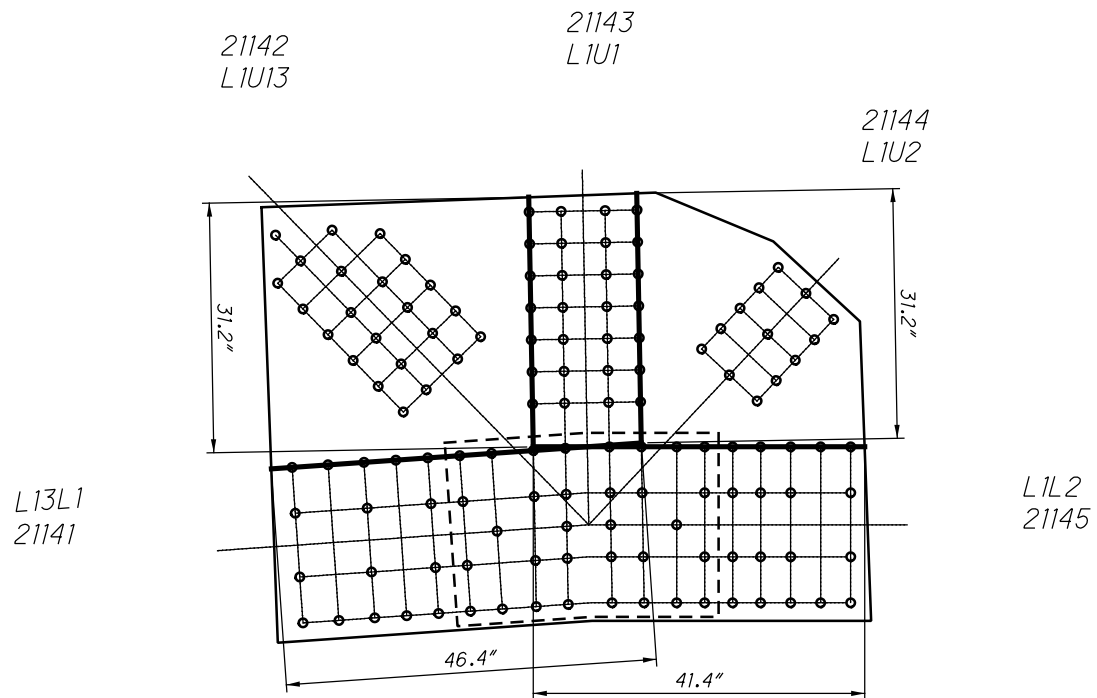
21144
 L1U2

L13L1
 21141

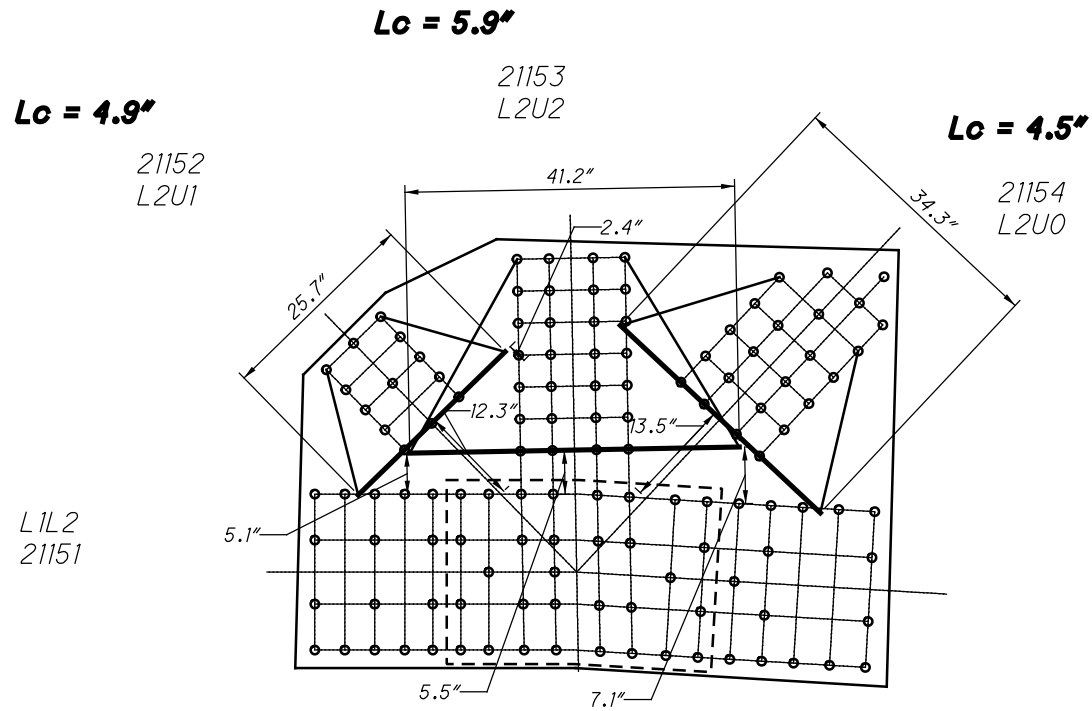
L1L2
 21145



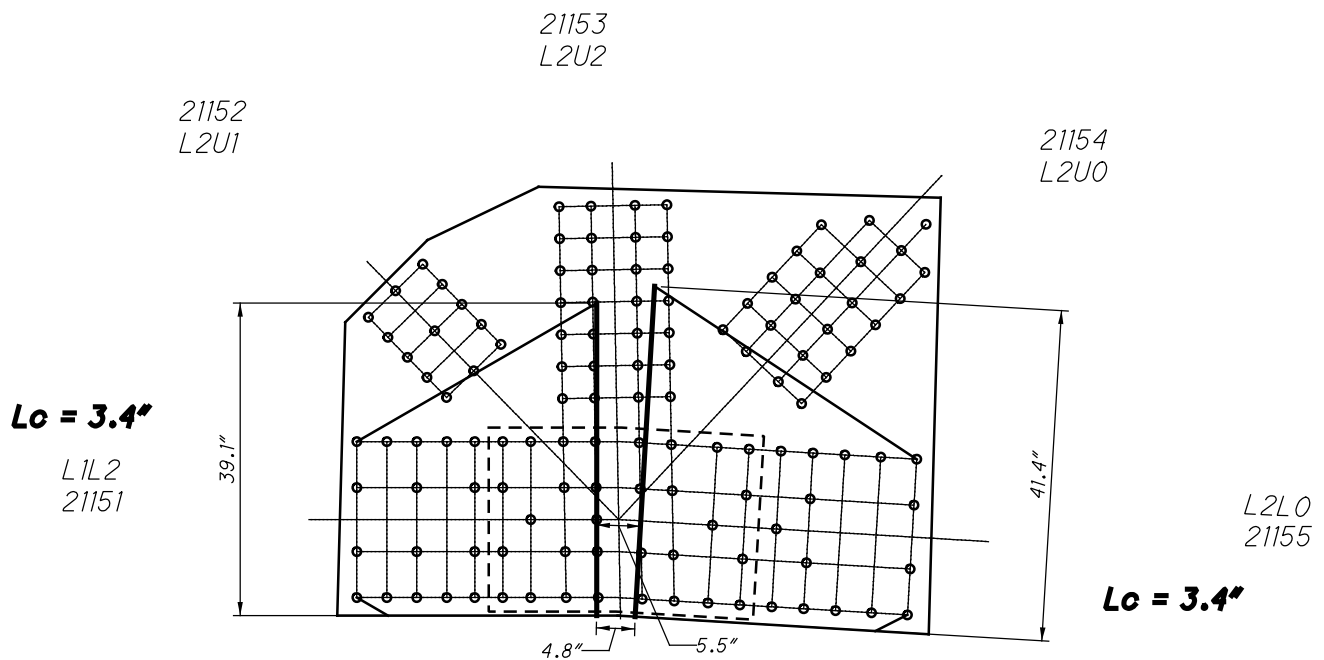
**L114 INSIDE (SPAN 17)
 SHEAR AND FREE EDGE CHECK**



**L114 INSIDE (SPAN 17)
QUADRANT DIMENSIONS**



**L115 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L115 INSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

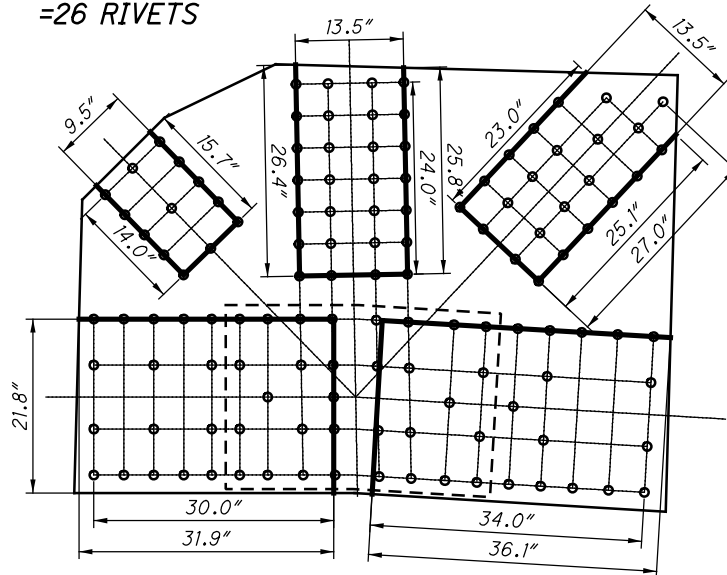
28 RIVETS
x 2 PLATES
=56 RIVETS

21153
L2U2

23 RIVETS
x 2 PLATES
=46 RIVETS

21154
L2U0

21152
L2U1
13 RIVETS
x 2 PLATES
=26 RIVETS



30 RIVETS
x 2 PLATES
=60 RIVETS

L2L0
21155

15 SPLICE P
x 2 PLATES
=30 RIVETS

L1L2
21151

32 RIVETS
x 2 PLATES
=64 RIVETS

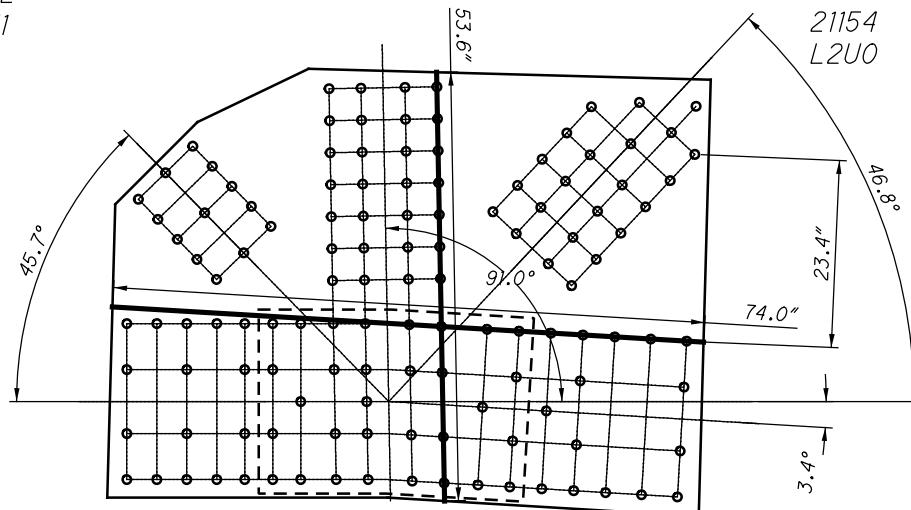
16 SPLICE P
x 2 PLATES
=32 RIVETS

**L115 INSIDE (SPAN 17)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21153
L2U2

21152
L2U1

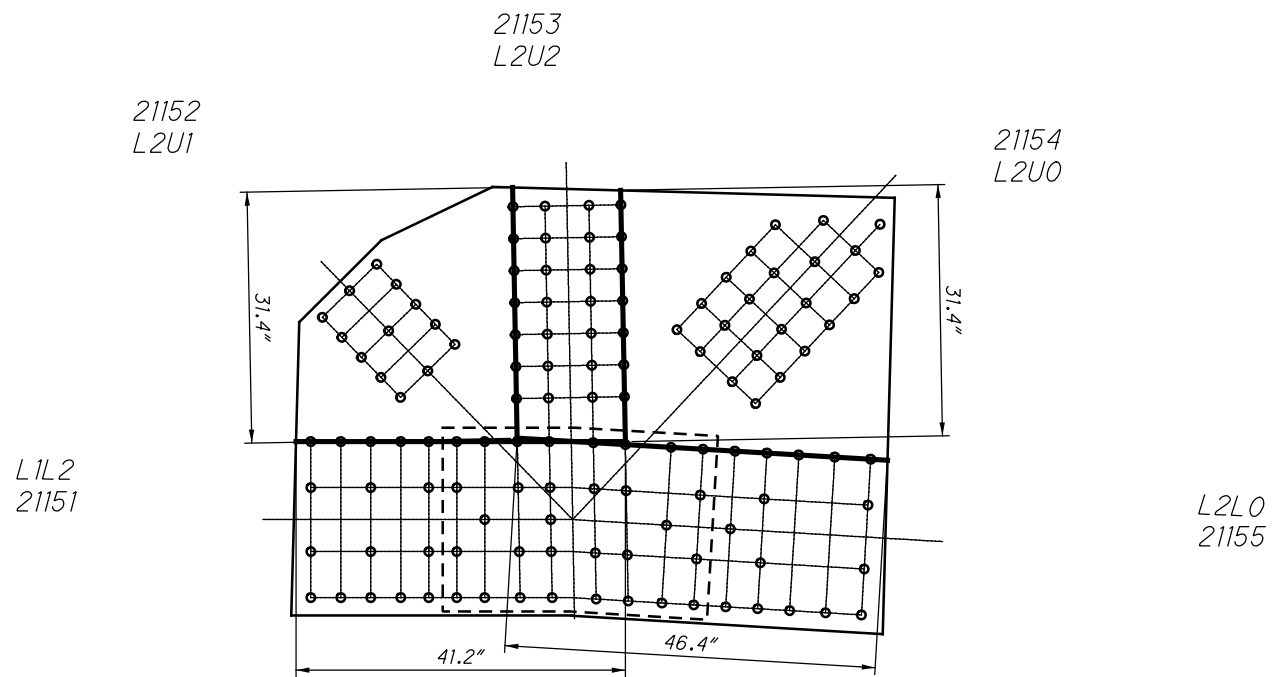
21154
L2U0



L1L2
21151

L2L0
21155

**L115 INSIDE (SPAN 17)
SHEAR AND FREE EDGE CHECK**



**L115 INSIDE (SPAN 17)
QUADRANT DIMENSIONS**

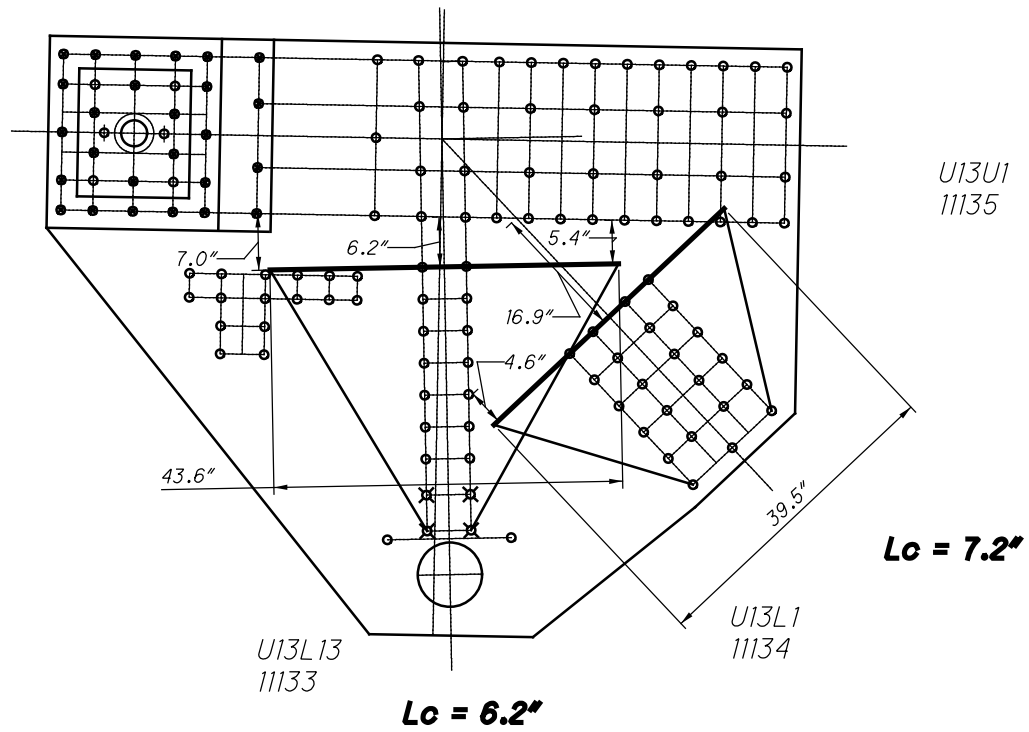
U13U1
11135



**U113 OUTSIDE (SPAN 17)
(NEAR SIDE AND FAR SIDE)**

U13U12
11131

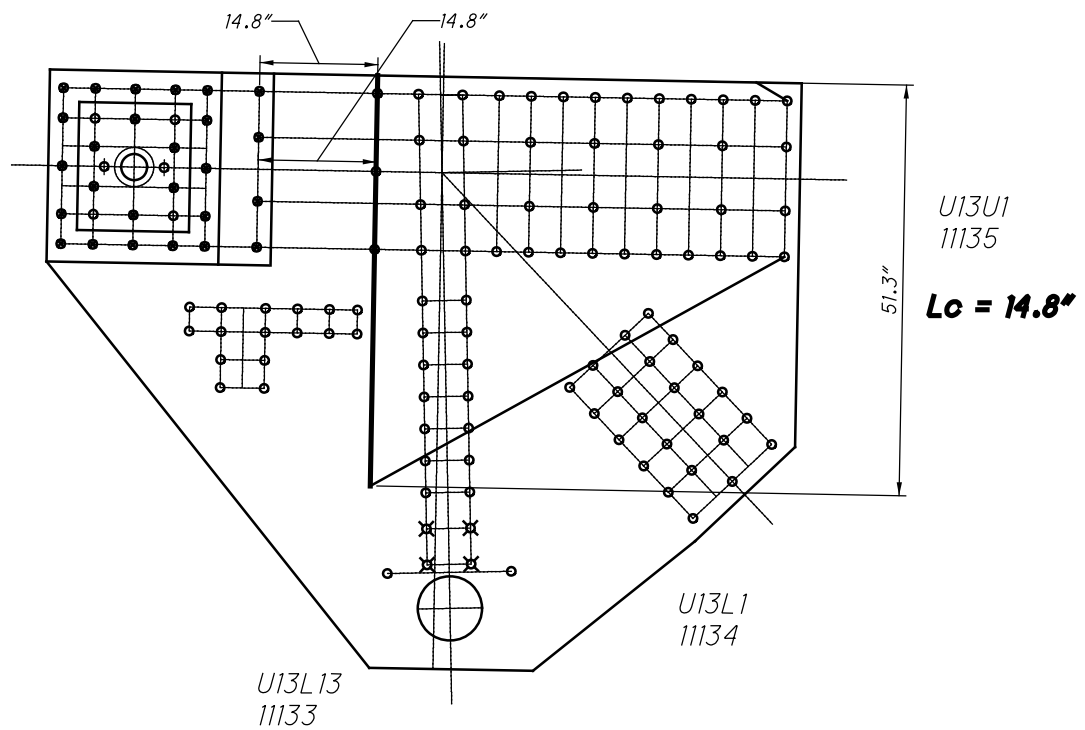
U13U1
11135



**U113 OUTSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

U13U12
11131

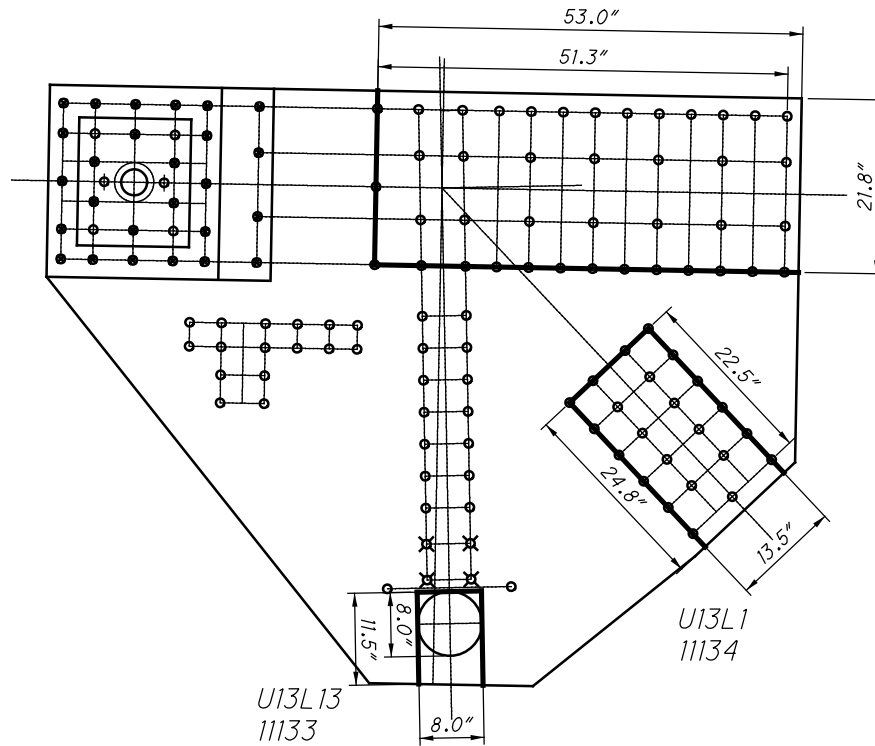
U13U1
11135



**U113 OUTSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

1113 AND 4113

U13U12
11131



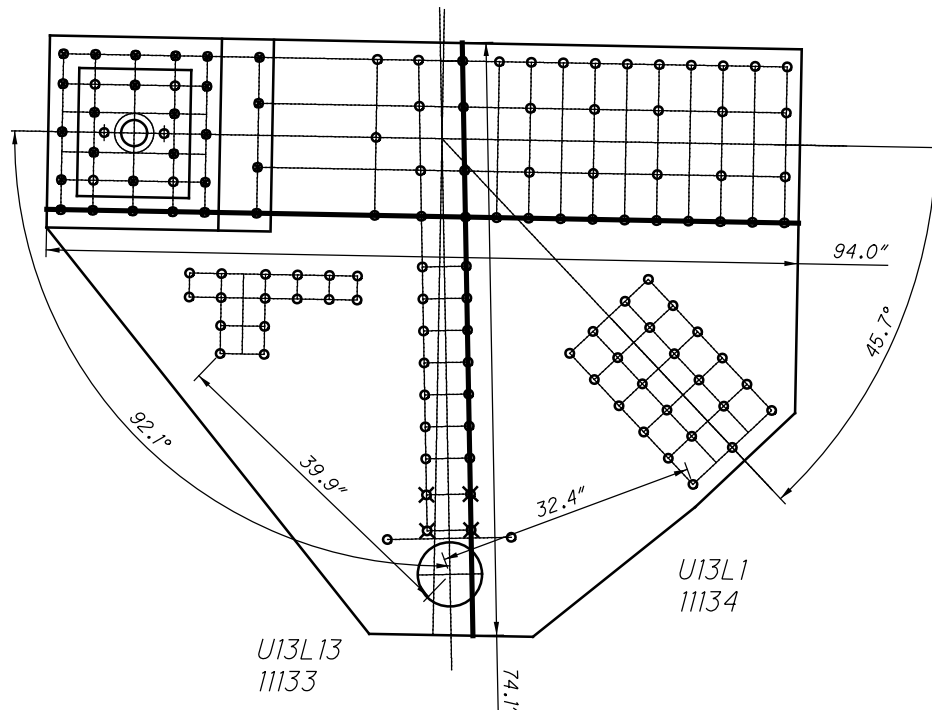
41 RIVETS
 $\times 2$ PLATES
=82 RIVETS

U13U1
11135

23 RIVETS
 $\times 2$ PLATES
=46 RIVETS

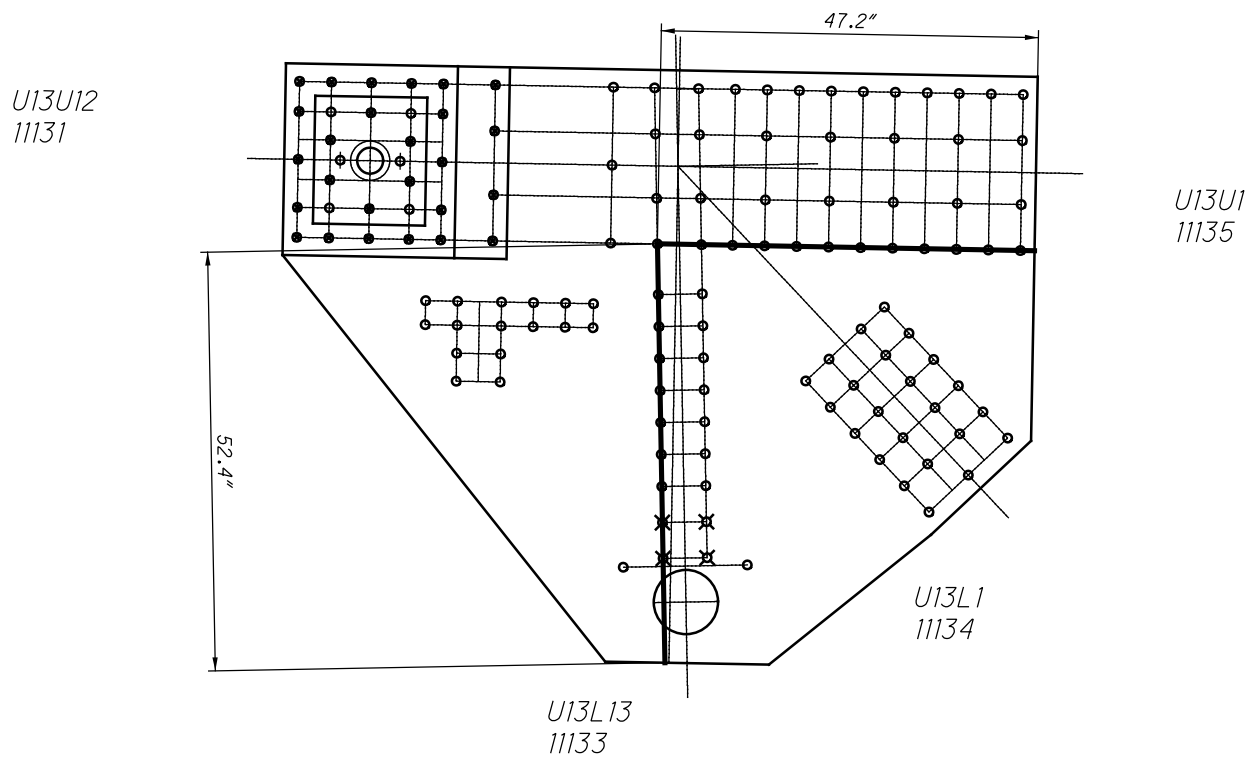
**U113 OUTSIDE (SPAN 17)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

U13U12
11131



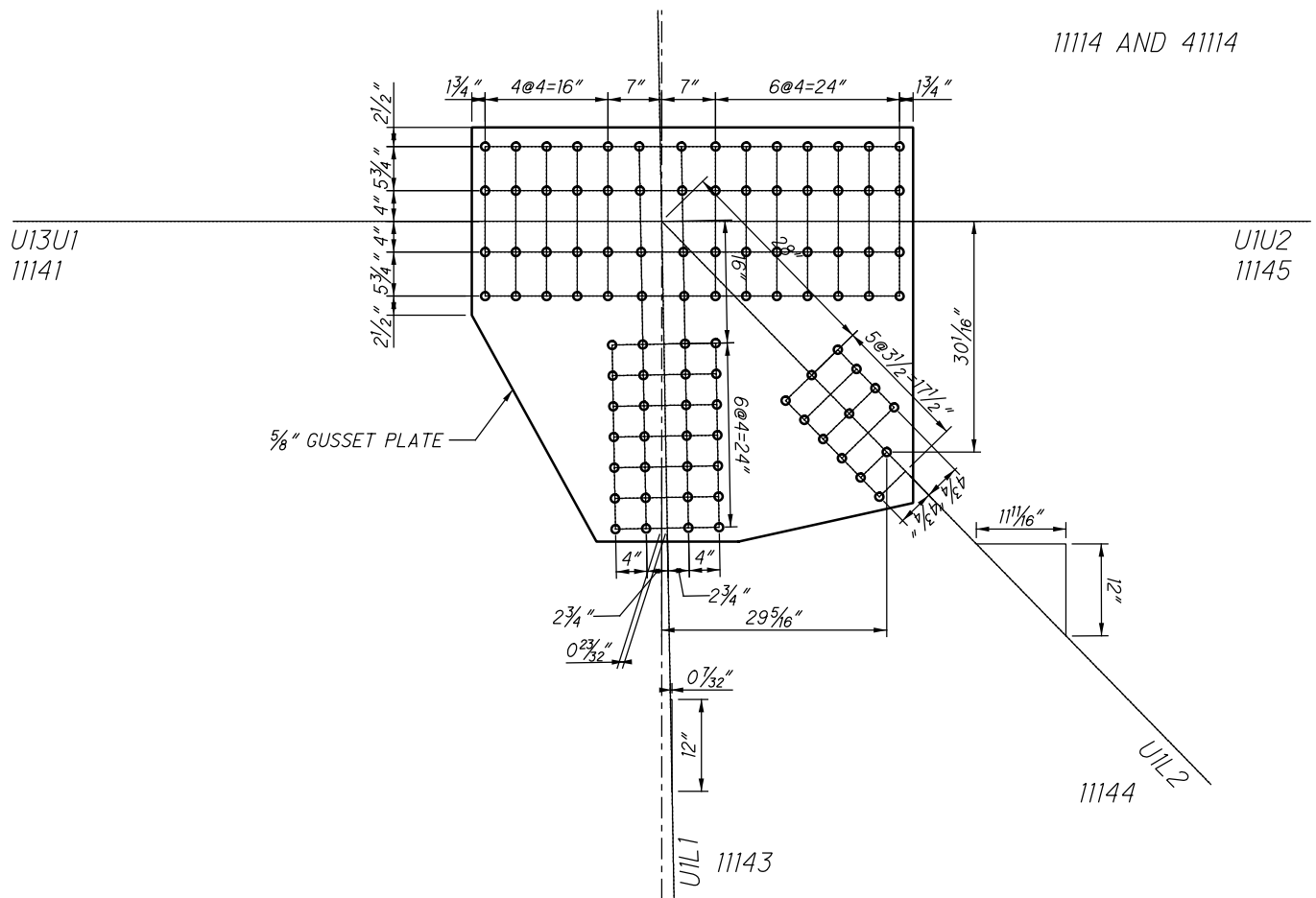
U13U1
11135

**U113 OUTSIDE (SPAN 17)
SHEAR AND FREE EDGE CHECK**



**U113 OUTSIDE (SPAN 17)
QUADRANT DIMENSIONS**

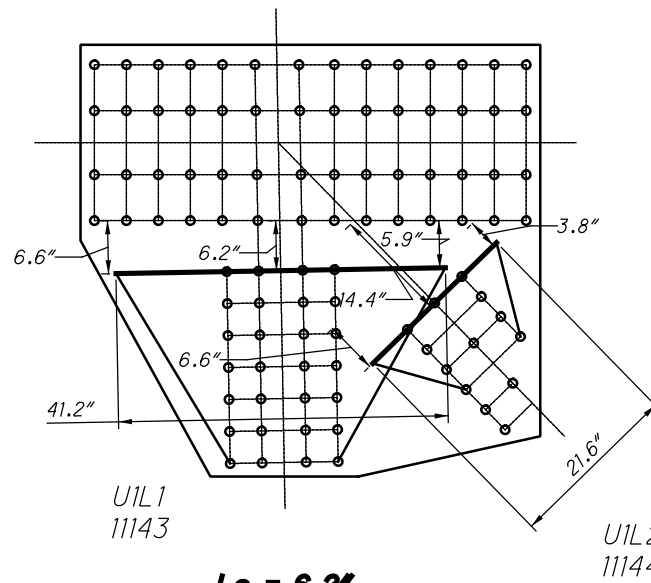
11114 AND 41114



**U114 OUTSIDE (SPAN 17)
(NEAR SIDE AND FAR SIDE)**

U13U1
11141

U1U2
11145



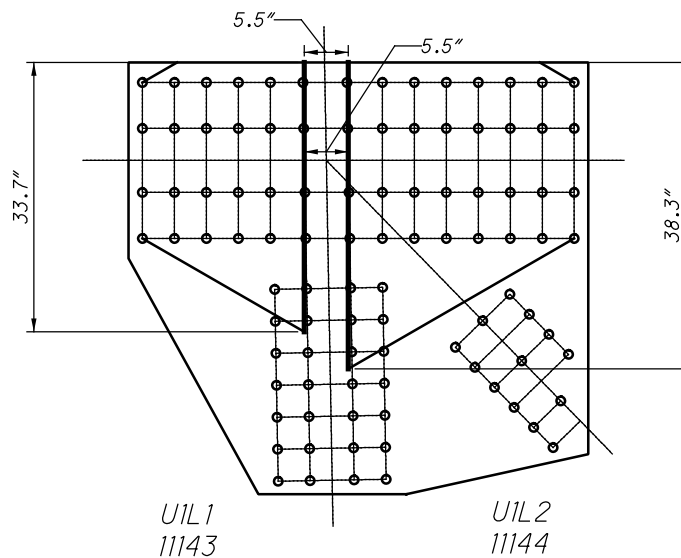
$L_c = 8.3''$

**U114 OUTSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

U13U1
11141

U1U2
11145

$L_c = 3.7''$



$L_c = 3.7''$

**U114 OUTSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

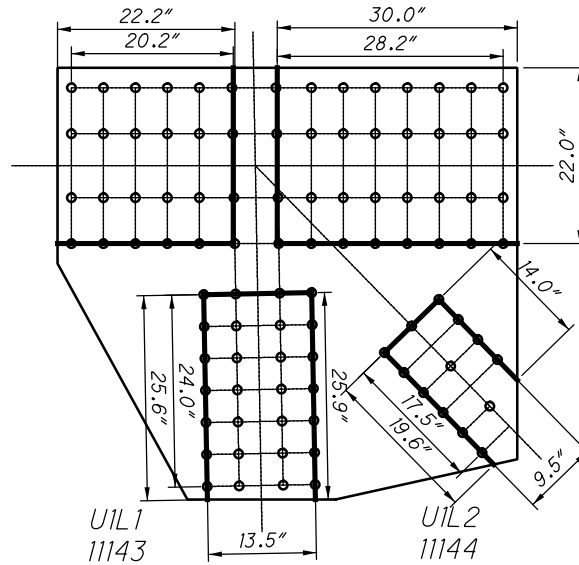
1114 AND 4114

24 RIVETS
x 2 PLATES
=48 RIVETS

32 RIVETS
x 2 PLATES
=64 RIVETS

U13U1
11141

U1U2
11145



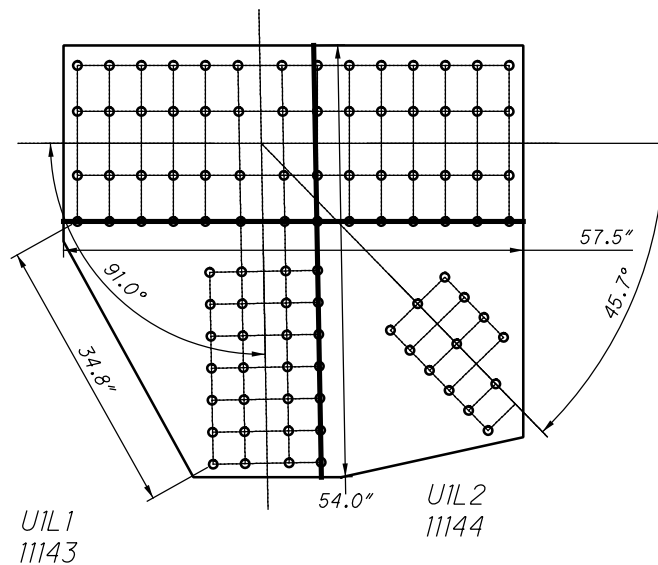
13 RIVETS
x 2 PLATES
=26 RIVETS

28 RIVETS
x 2 PLATES
=56 RIVETS

**U114 OUTSIDE (SPAN 17)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

U13U1
11141

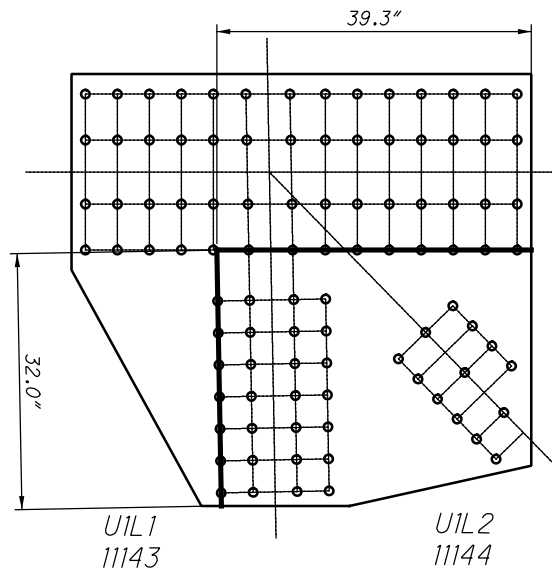
U1U2
11145



**U114 OUTSIDE (SPAN 17)
SHEAR AND FREE EDGE CHECK**

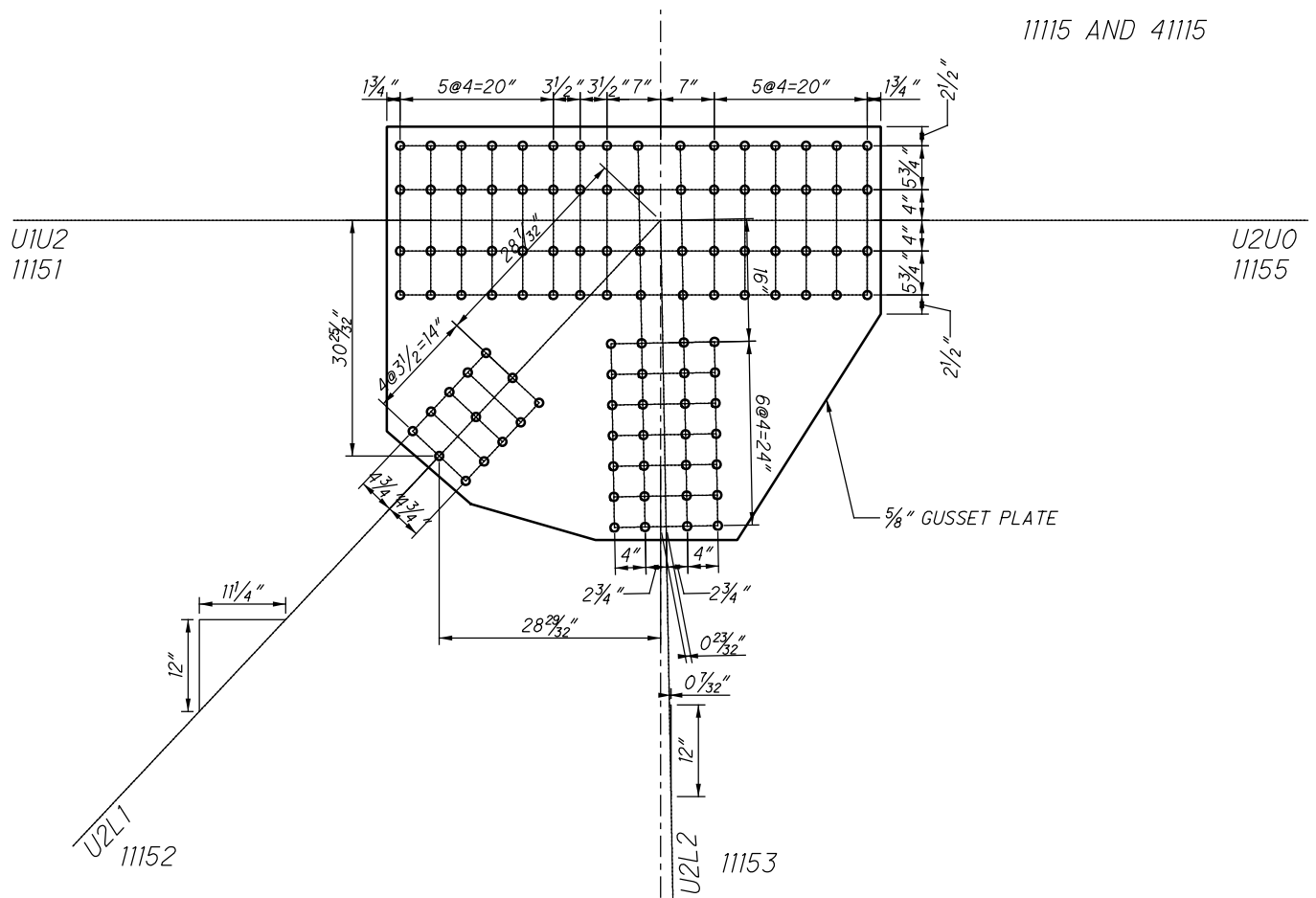
U13U1
11141

U1U2
11145



**U114 OUTSIDE (SPAN 17)
QUADRANT DIMENSIONS**

1115 AND 4115



**U115 OUTSIDE (SPAN 17)
(NEAR SIDE AND FAR SIDE)**



U2U0
11155



U1U2
11151

U2U0
11155

U2L1
11152

U2L2
11153

13 RIVETS
x 2 PLATES
=26 RIVETS

28 RIVETS
x 2 PLATES
=56 RIVETS

**U115 OUTSIDE (SPAN 17)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

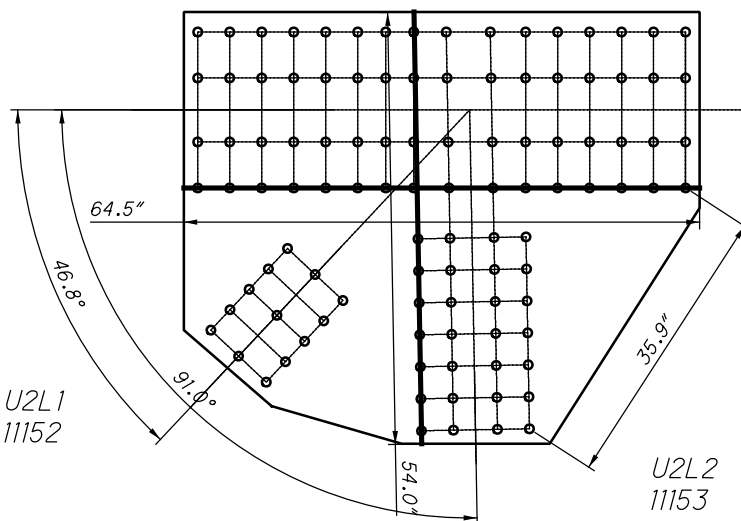
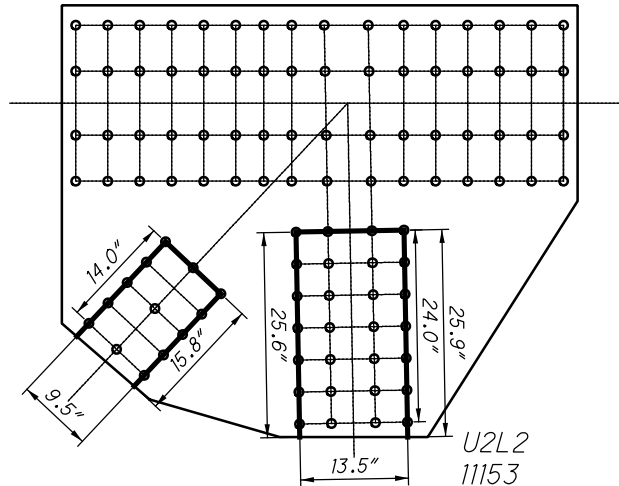
U1U2
11151

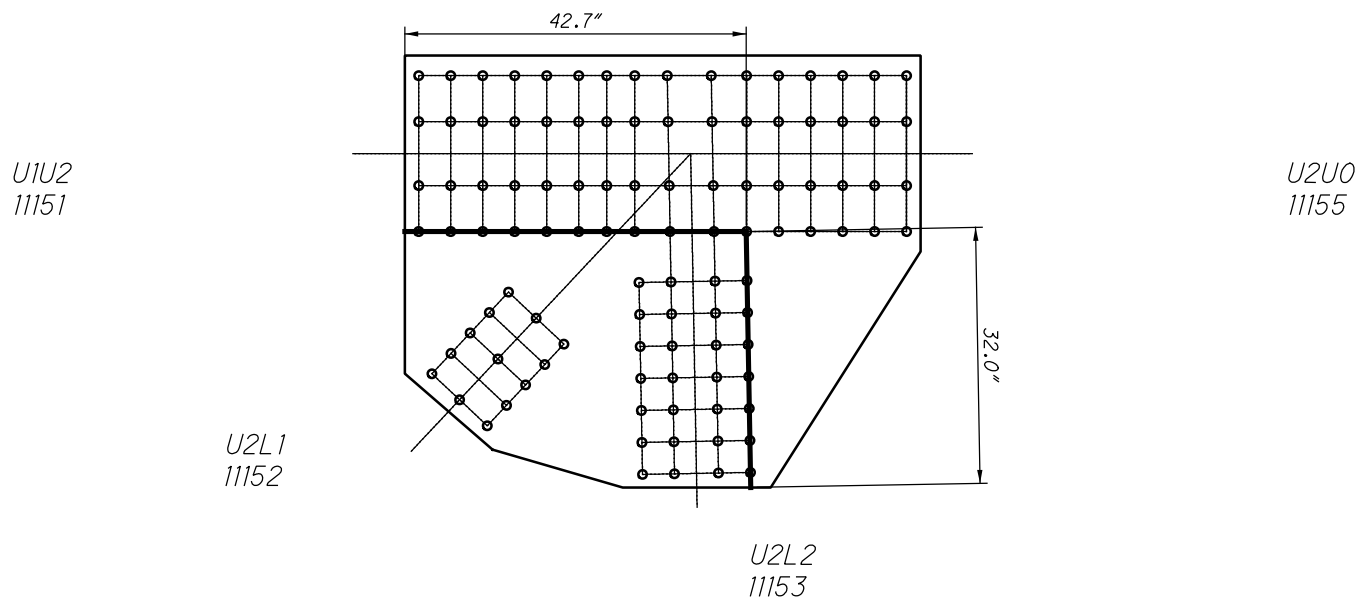
U2U0
11155

U2L1
11152

U2L2
11153

**U115 OUTSIDE (SPAN 17)
SHEAR AND FREE EDGE CHECK**





**U115 OUTSIDE (SPAN 17)
QUADRANT DIMENSIONS**

[illegible]

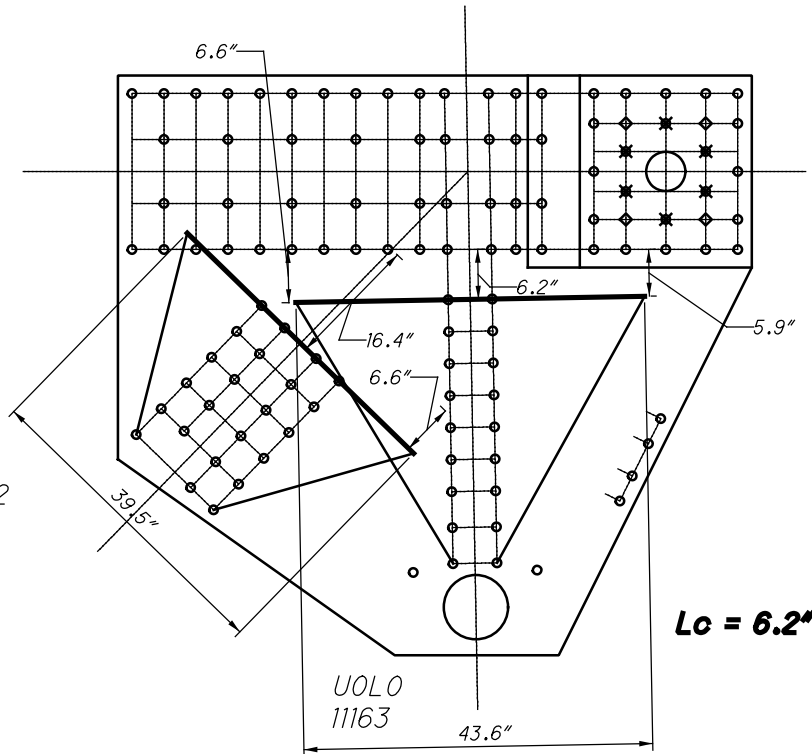
**U116 OUTSIDE (SPAN 17)
(NEAR SIDE AND FAR SIDE)**

U2U0
11161

U0U1
11165

$L_c = 7.7''$

U0L2
11162



$L_c = 6.2''$

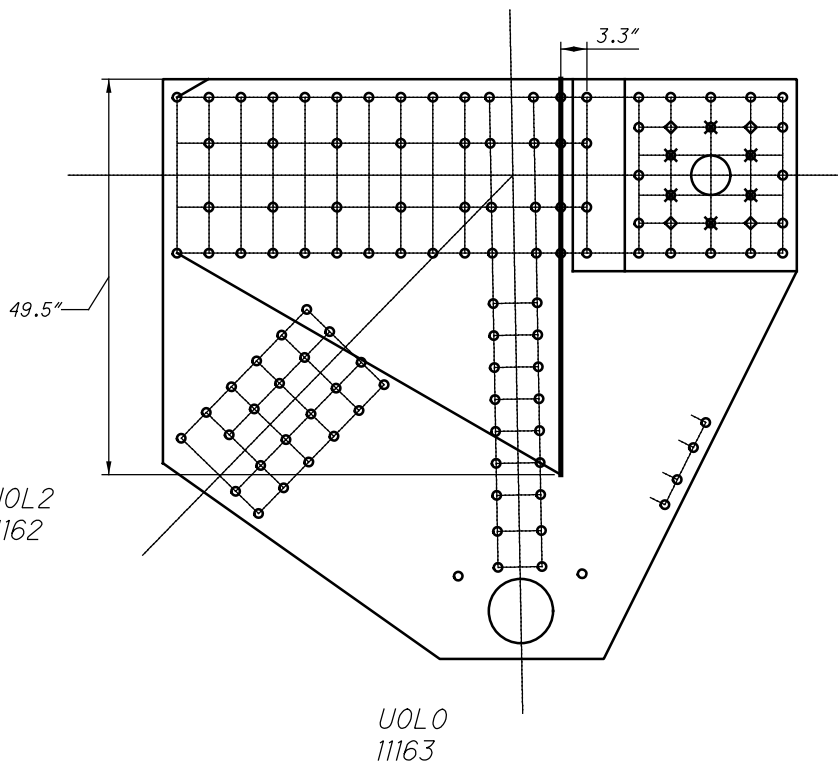
**U116 OUTSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

$L_c = 3.3''$

U2U0
11161

U0U1
11165

U0L2
11162



**U116 OUTSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

42 RIVETS
x 2 PLATES
=84 RIVETS

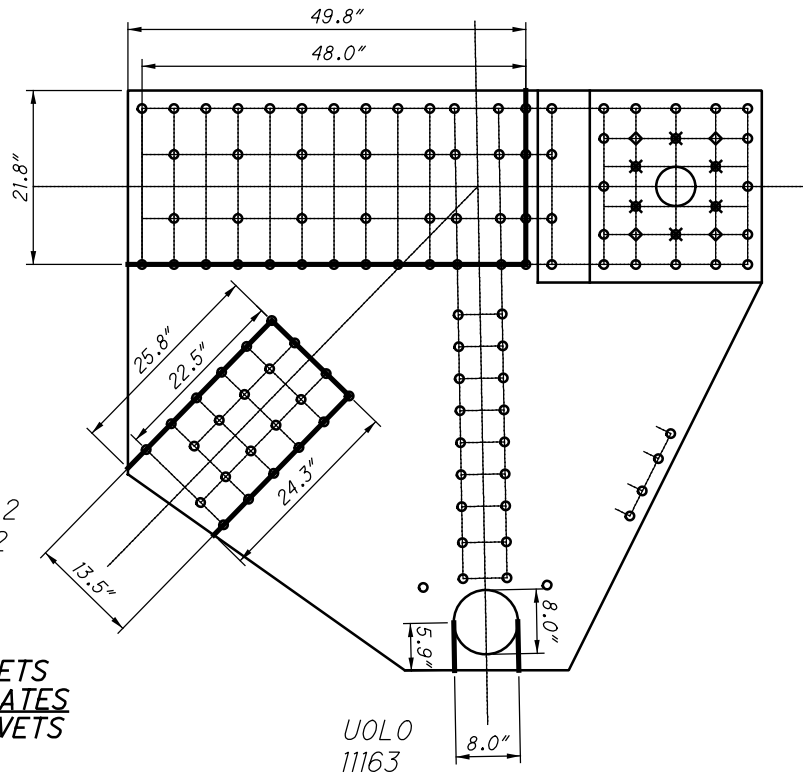
U2U0
11161

U0U1
11165

U0L2
11162

23 RIVETS
x 2 PLATES
=46 RIVETS

U0L0
11163



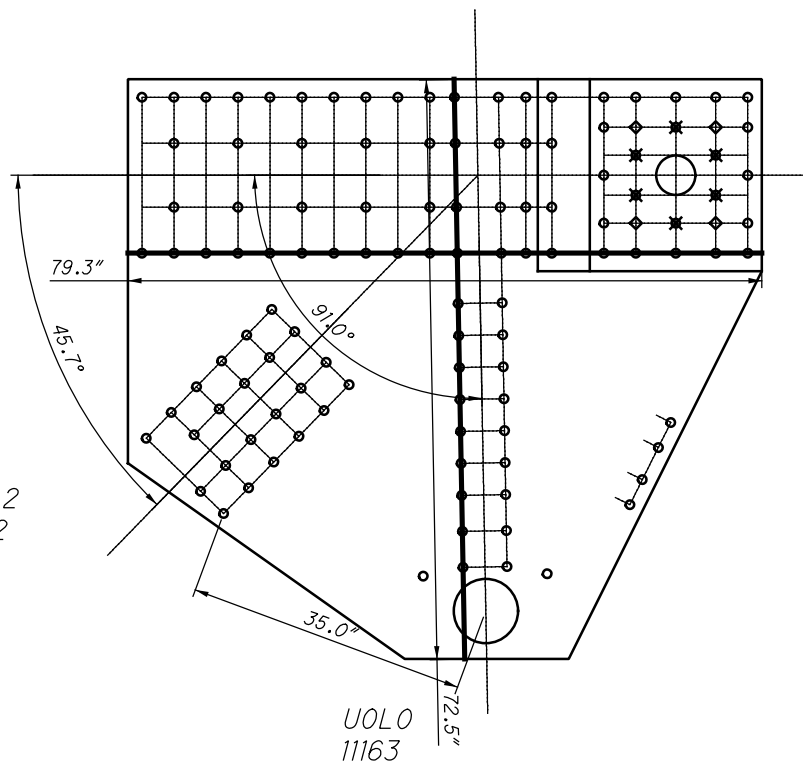
**U116 OUTSIDE (SPAN 17)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

U2U0
11161

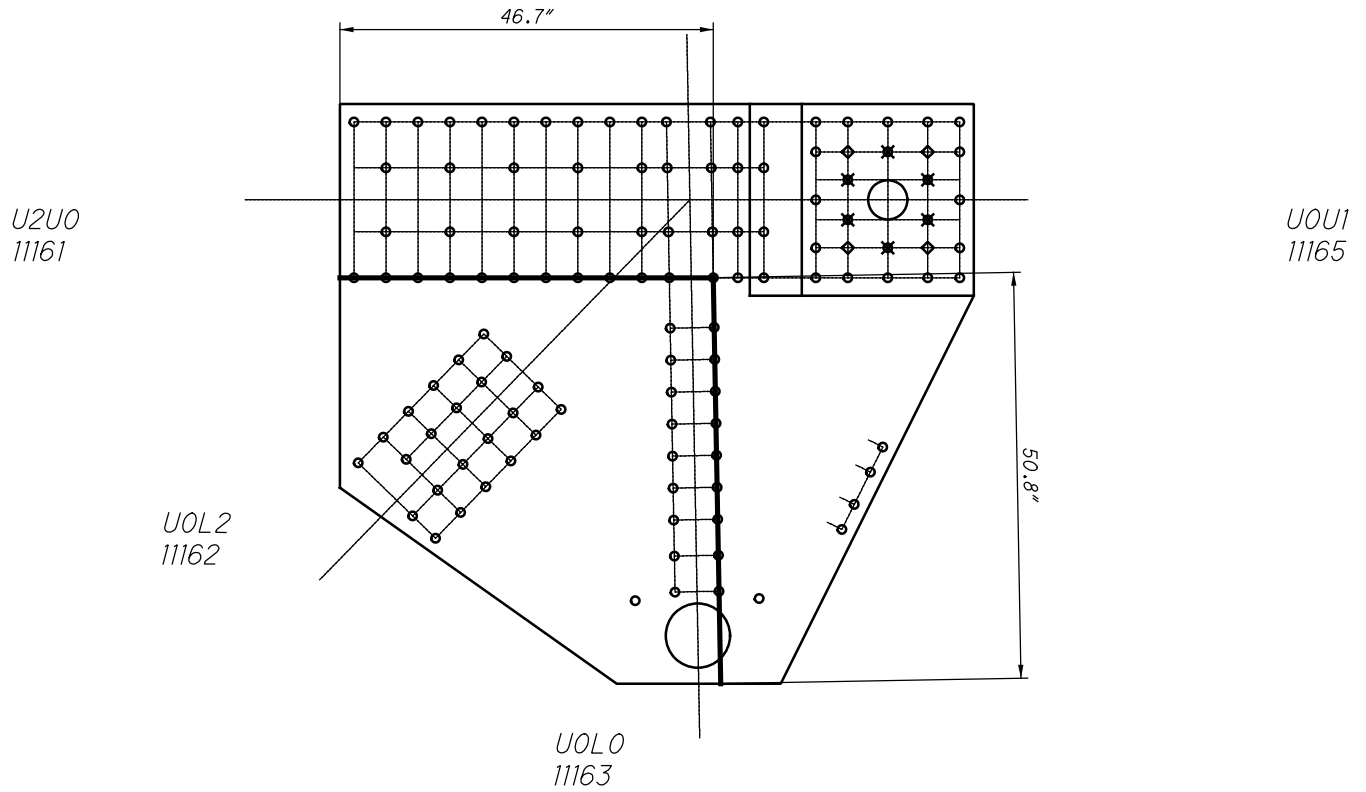
U0U1
11165

U0L2
11162

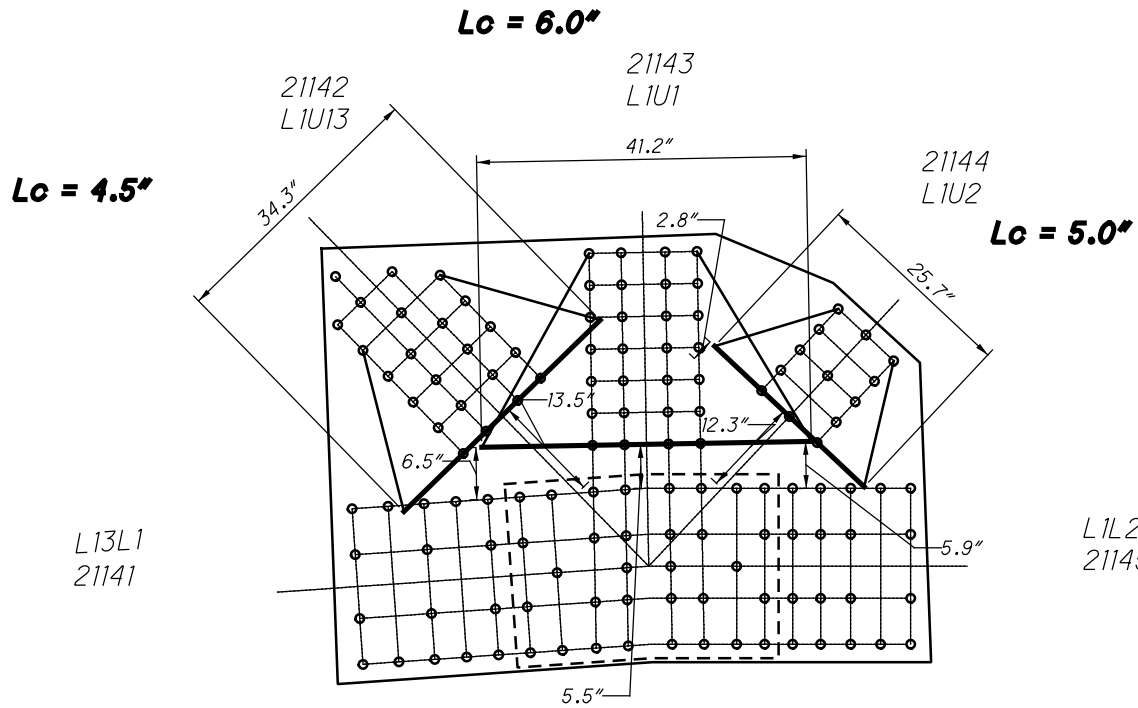
U0L0
11163



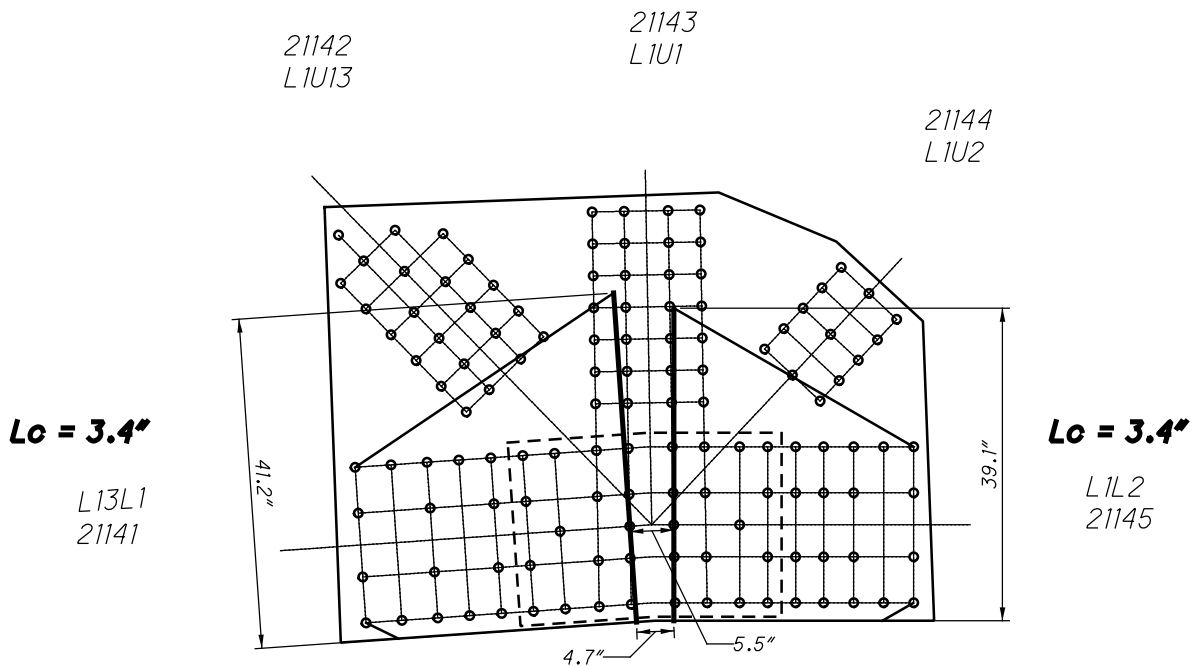
**U116 OUTSIDE (SPAN 17)
SHEAR AND FREE EDGE CHECK**



**U116 OUTSIDE (SPAN 17)
QUADRANT DIMENSIONS**



**L114 OUTSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L114 OUTSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

28 RIVETS
x 2 PLATES
 =56 RIVETS

12114 AND 42114

21142
 L1U13

21143
 L1U1

21144
 L1U2

23 RIVETS
x 2 PLATES
 =46 RIVETS

13 RIVETS
x 2 PLATES
 =26 RIVETS

L13L1
 21141

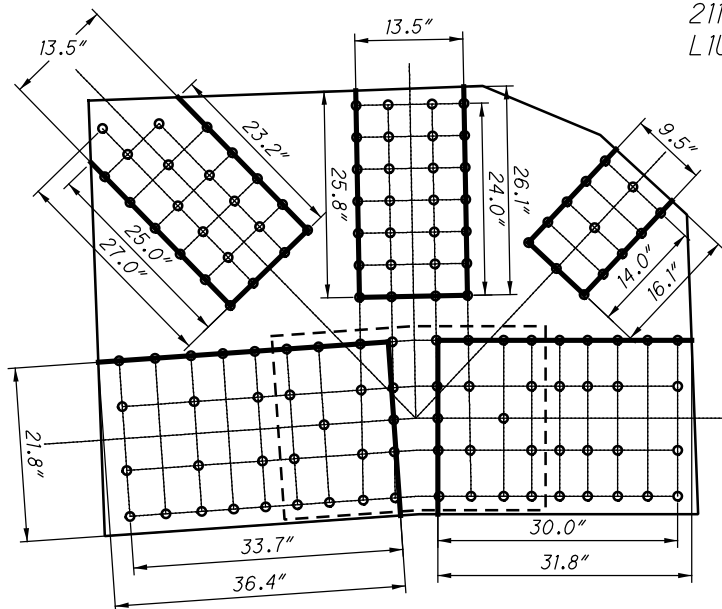
32 RIVETS
x 2 PLATES
 =64 RIVETS

L1L2
 21145

34 RIVETS
x 2 PLATES
 =68 RIVETS

16 SPLICE P
x 2 PLATES
 =32 RIVETS

16 SPLICE P
x 2 PLATES
 =32 RIVETS



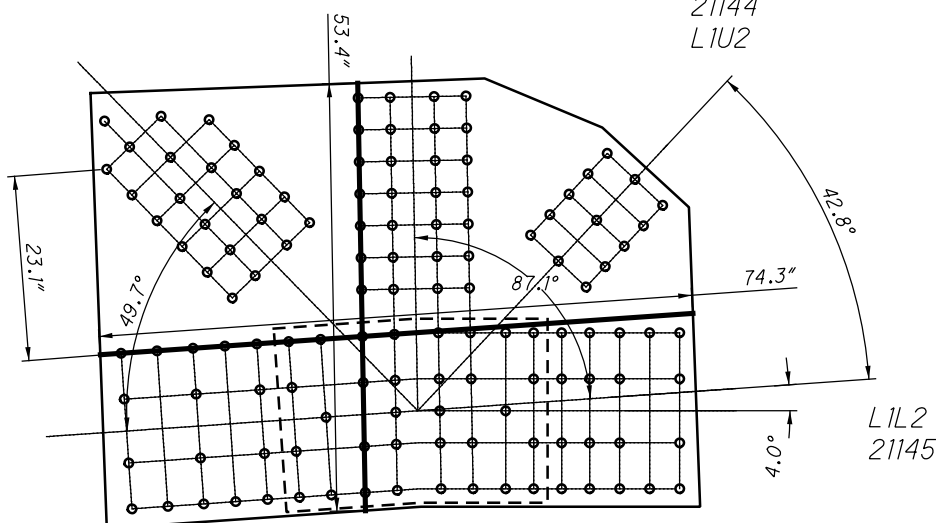
**L114 OUTSIDE (SPAN 17)
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

21142
 L1U13

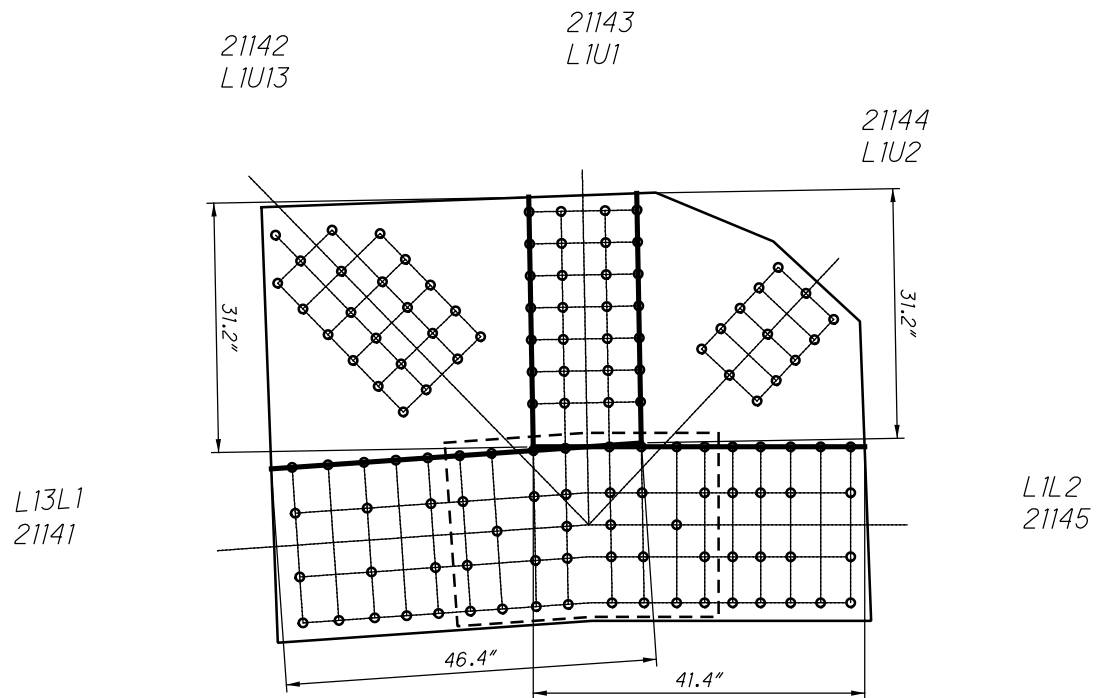
21143
 L1U1

21144
 L1U2

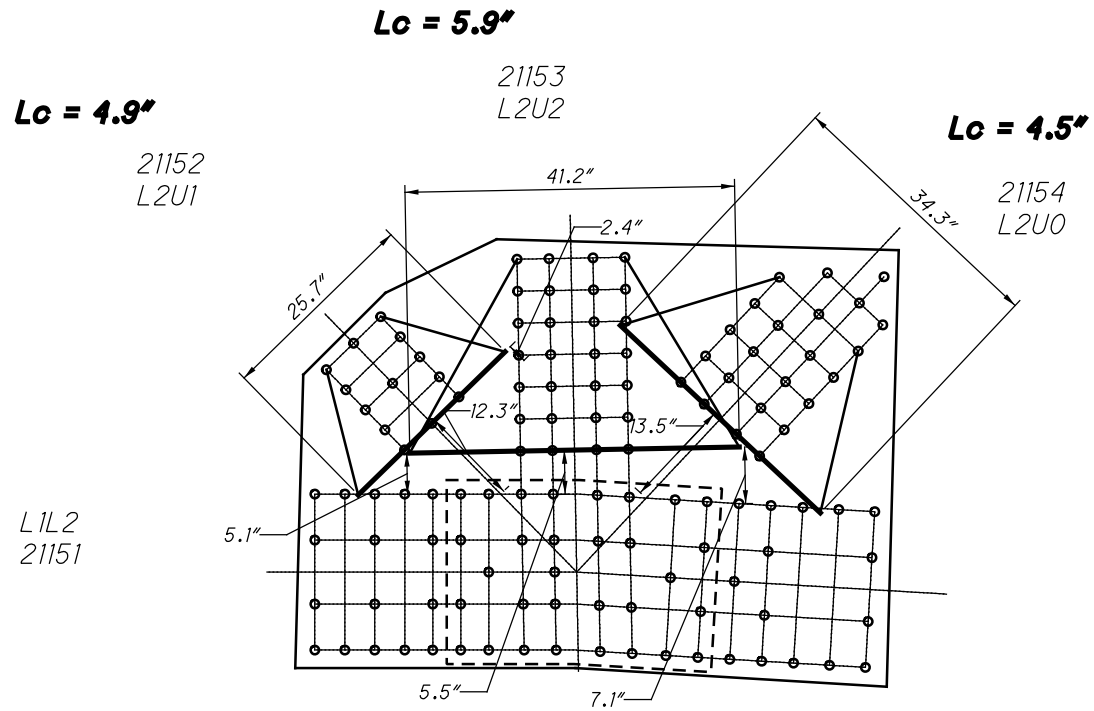
L13L1
 21141



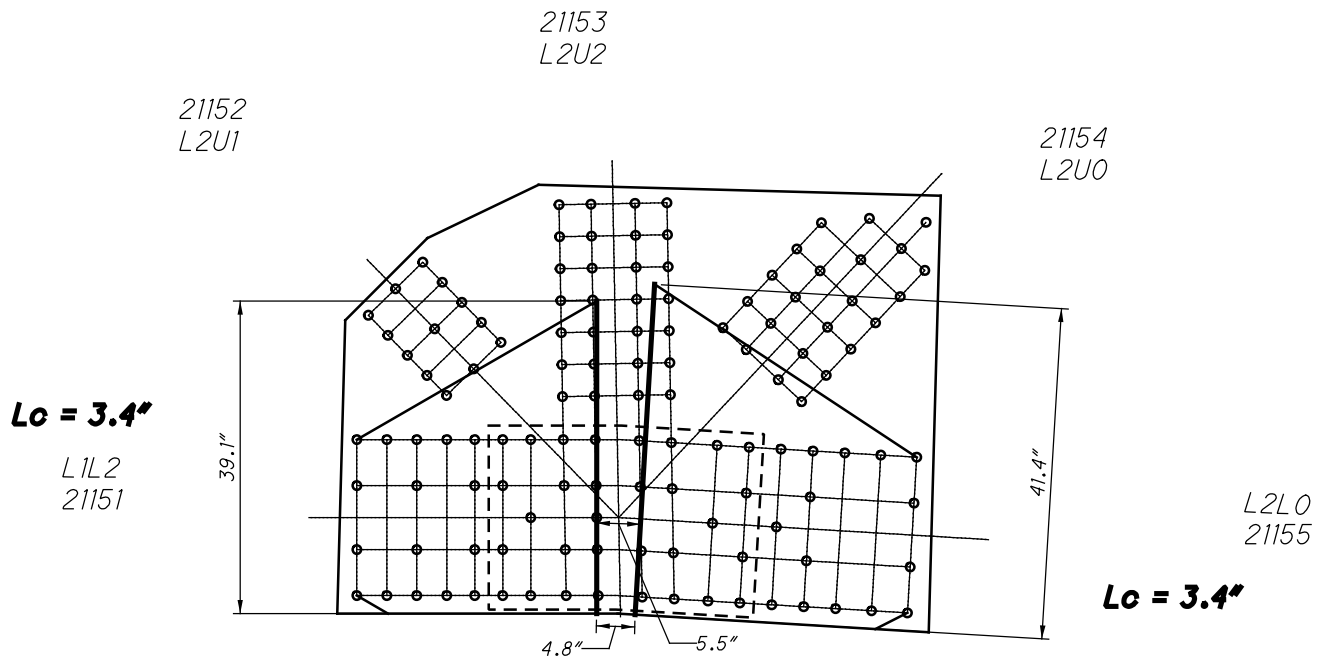
**L114 OUTSIDE (SPAN 17)
 SHEAR AND FREE EDGE CHECK**



**L114 OUTSIDE (SPAN 17)
QUADRANT DIMENSIONS**



**L115 OUTSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L115 OUTSIDE (SPAN 17)
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

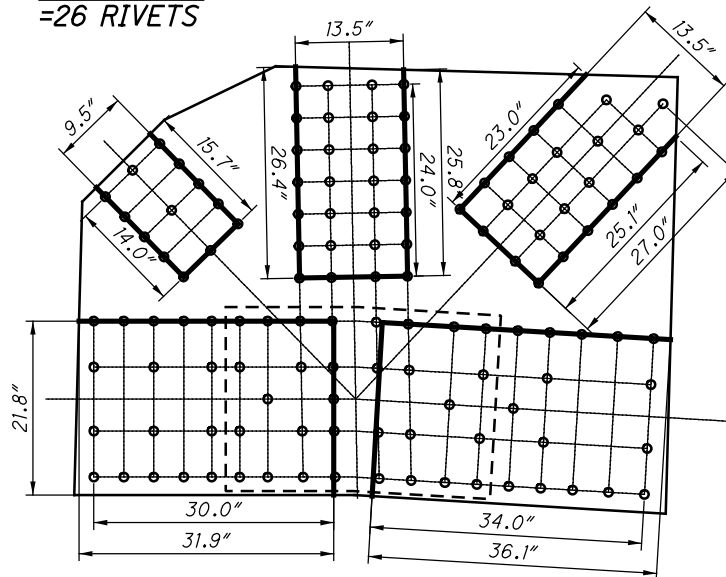
28 RIVETS
x 2 PLATES
=56 RIVETS

21153
L2U2

23 RIVETS
x 2 PLATES
=46 RIVETS

21154
L2U0

21152
L2U1
13 RIVETS
x 2 PLATES
=26 RIVETS



30 RIVETS
x 2 PLATES
=60 RIVETS

L2L0
21155

15 SPLICE P
x 2 PLATES
=30 RIVETS

L1L2
21151

32 RIVETS
x 2 PLATES
=64 RIVETS

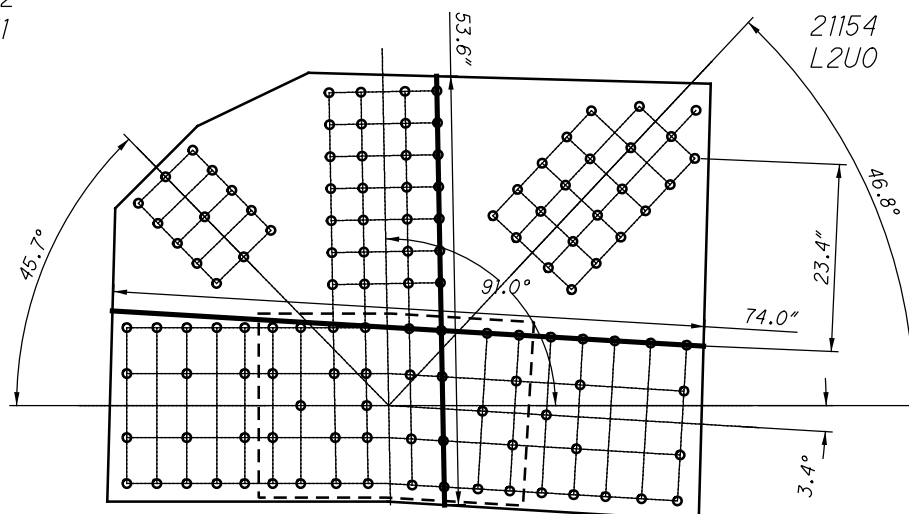
16 SPLICE P
x 2 PLATES
=32 RIVETS

**L115 OUTSIDE (SPAN 17)
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21153
L2U2

21152
L2U1

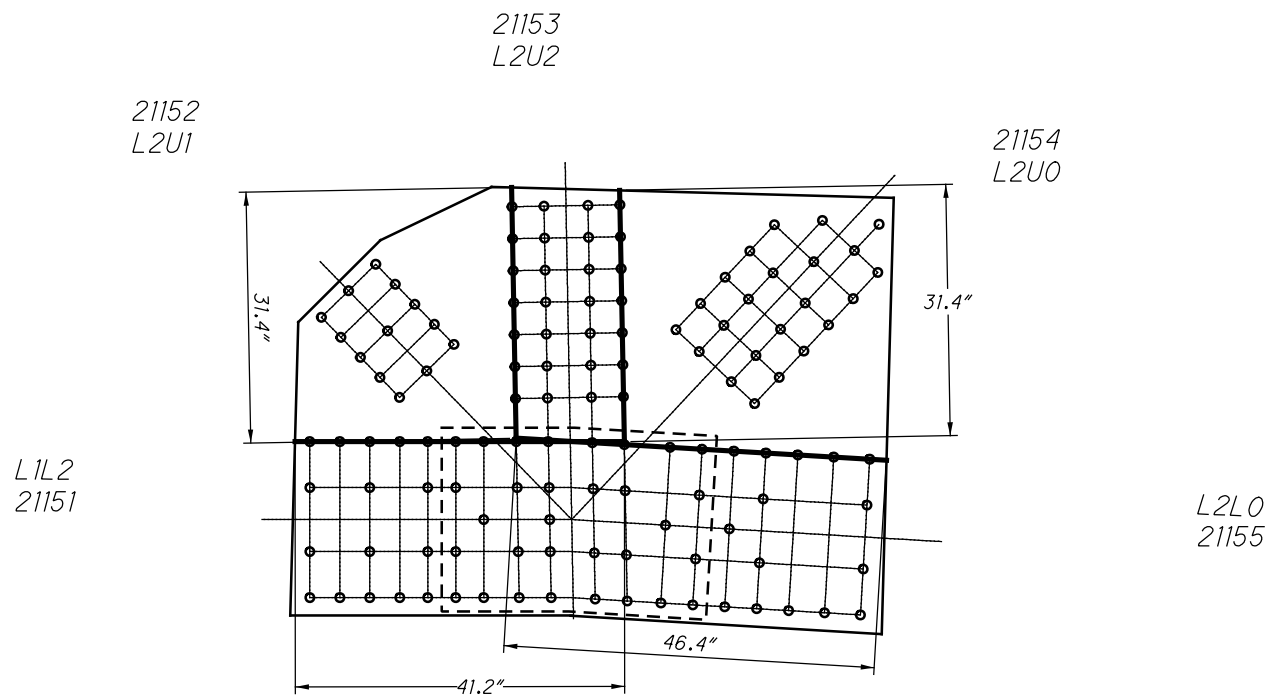
21154
L2U0



L1L2
21151

L2L0
21155

**L115 OUTSIDE (SPAN 17)
SHEAR AND FREE EDGE CHECK**



**L115 OUTSIDE (SPAN 17)
QUADRANT DIMENSIONS**

**SPAN 18 GUSSET PLATES
LORAIN CARNEGIE**

CHECKED: _____

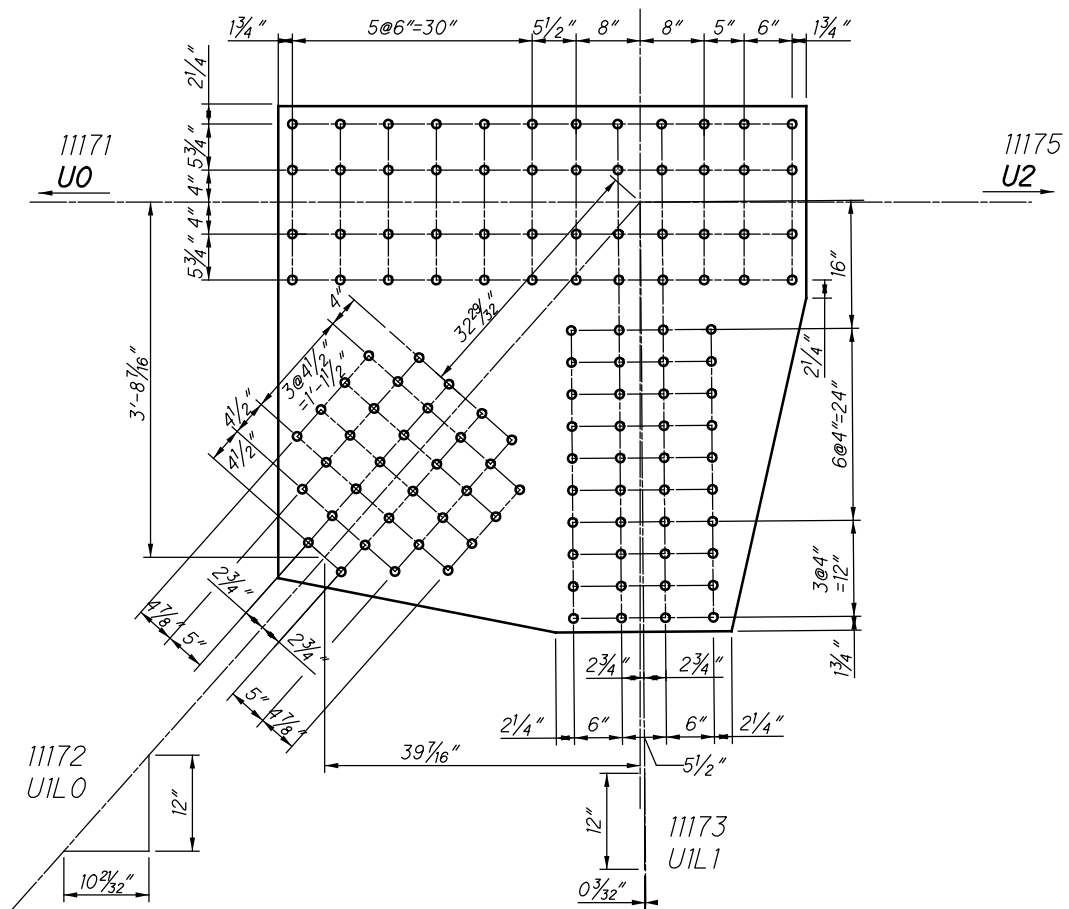
DATE: _____

LEGEND

- $1 \frac{1}{16}$ " HOLES TYPICAL

NOTES:

ALL EDGE DISTANCES ARE $1 \frac{3}{4}$ "
UNLESS NOTED OTHERWISE.

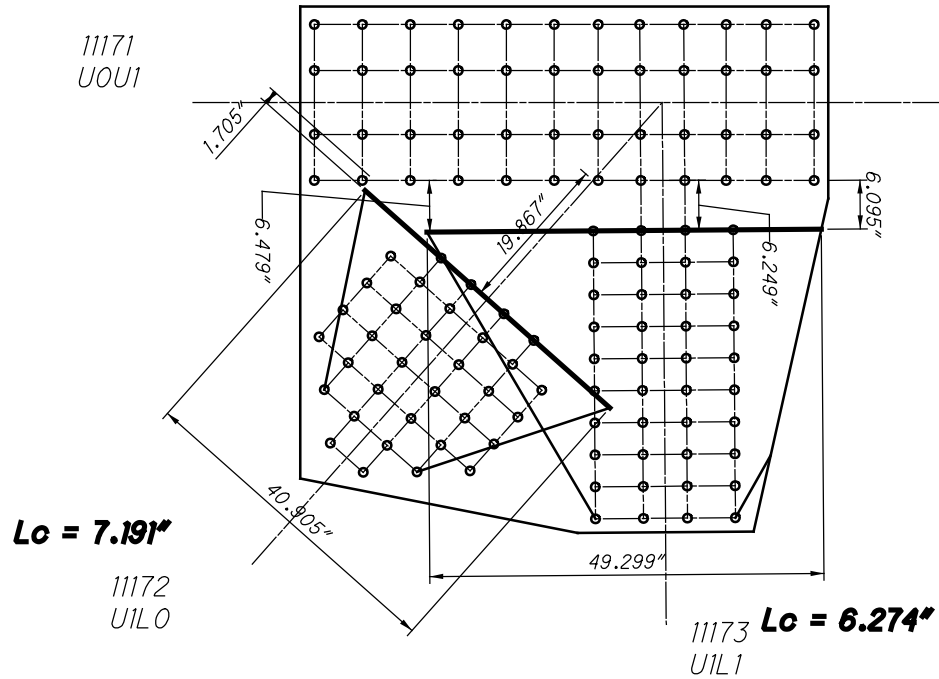


**U117 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

1117 AND 4117

11171
U0U1

11175
U1U2

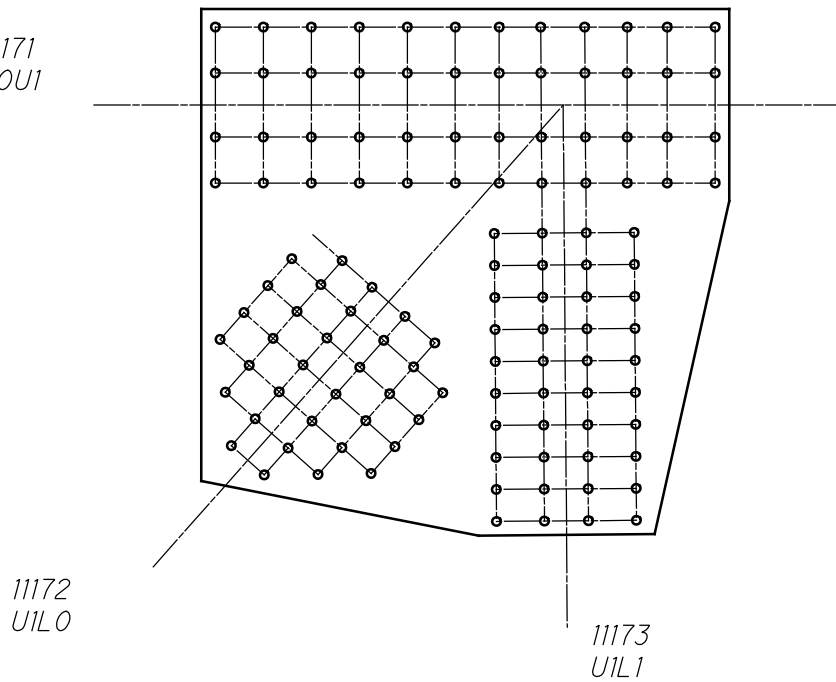


**U117 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

11171
U0U1

11175
U1U2



**U117 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

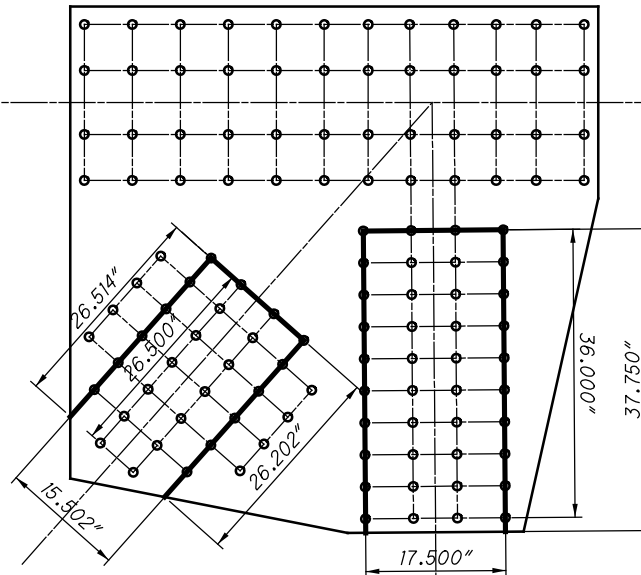
1117 AND 4117

11171
U0U1

11175
U1U2

26 RIVETS
x 2 PLATES
=52 RIVETS

11172
U1L0



40 RIVETS
x 2 PLATES
=80 RIVETS

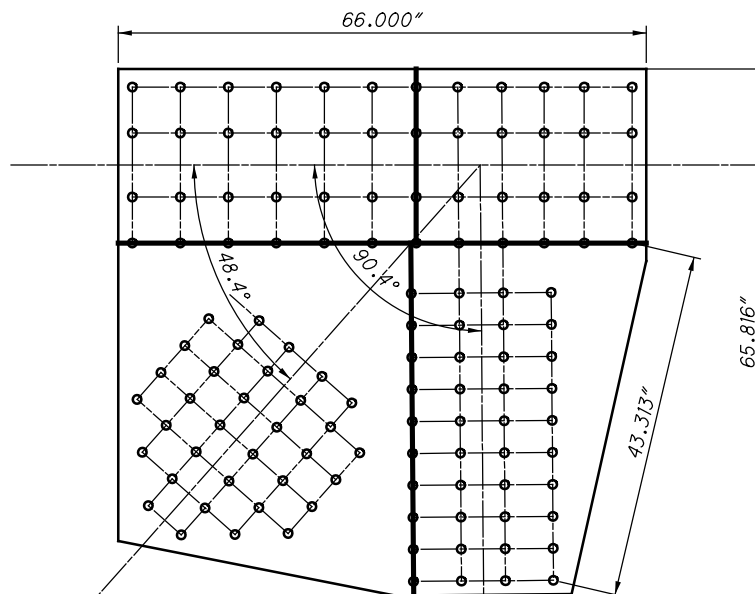
11173
U1L1

**U117 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11171
U0U1

11175
U1U2

11172
U1L0



11173
U1L1

**U117 OUTSIDE
SHEAR AND FREE EDGE CHECK**

11171
U0U1

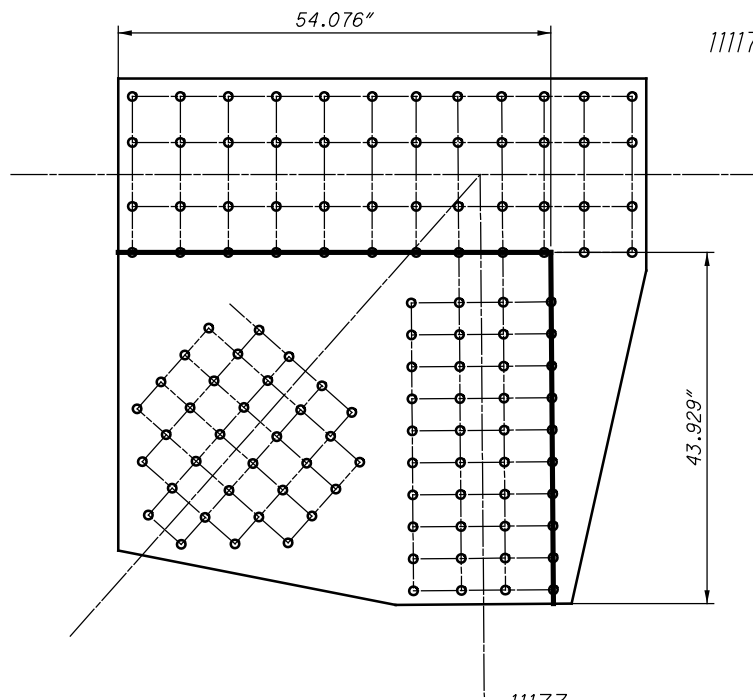
11117 AND 41117

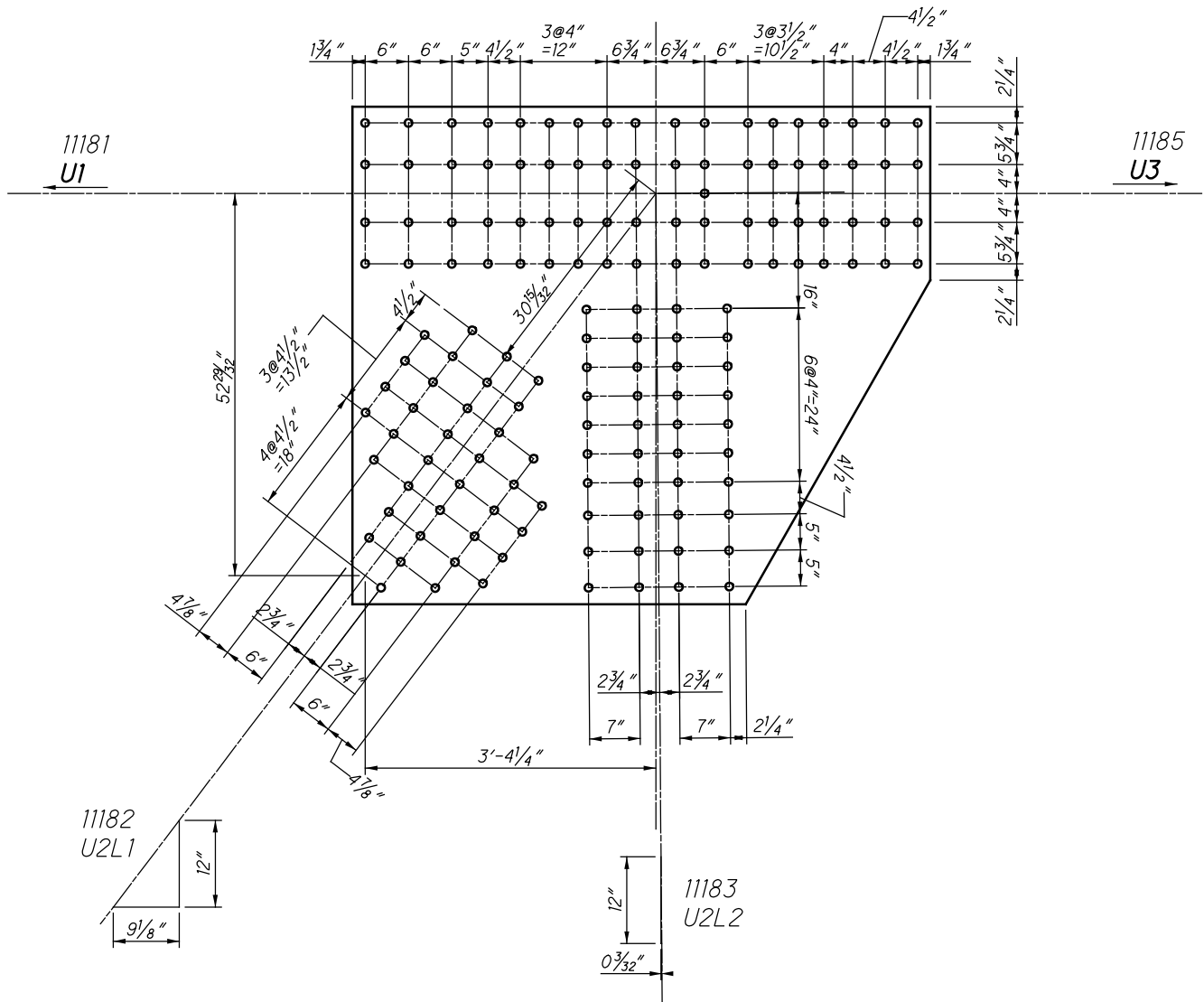
11175
U1U2

11172
U1L0

11173
U1L1

**U117 OUTSIDE
QUADRANT DIMENSIONS**



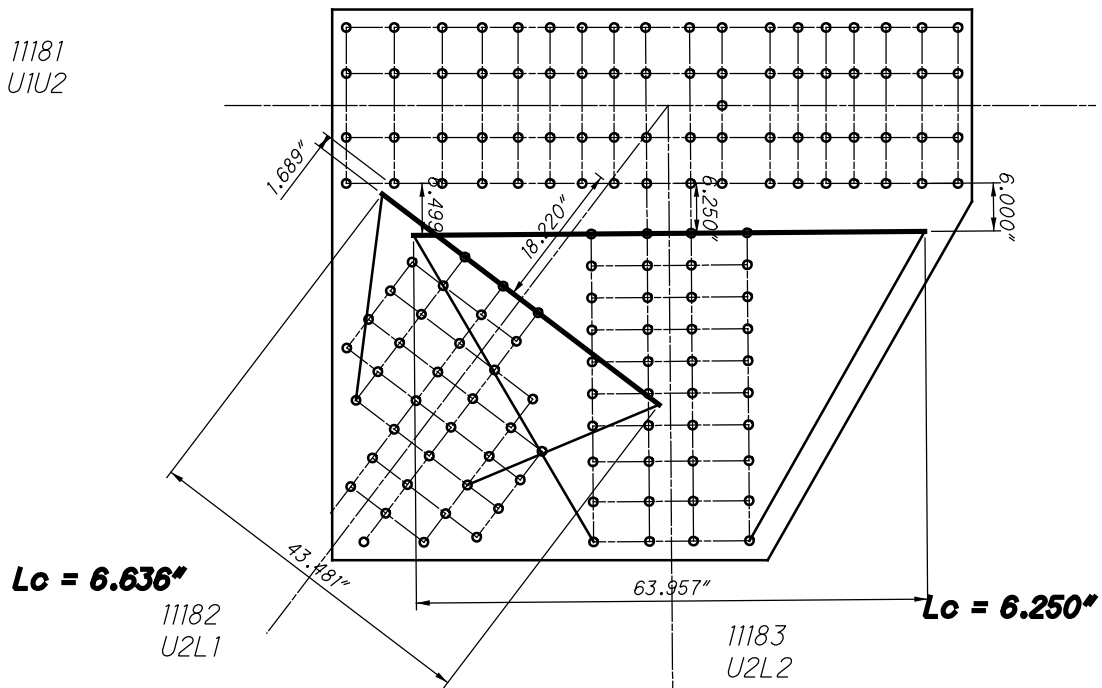


**U118 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

11118 AND 41118

11181
U1U2

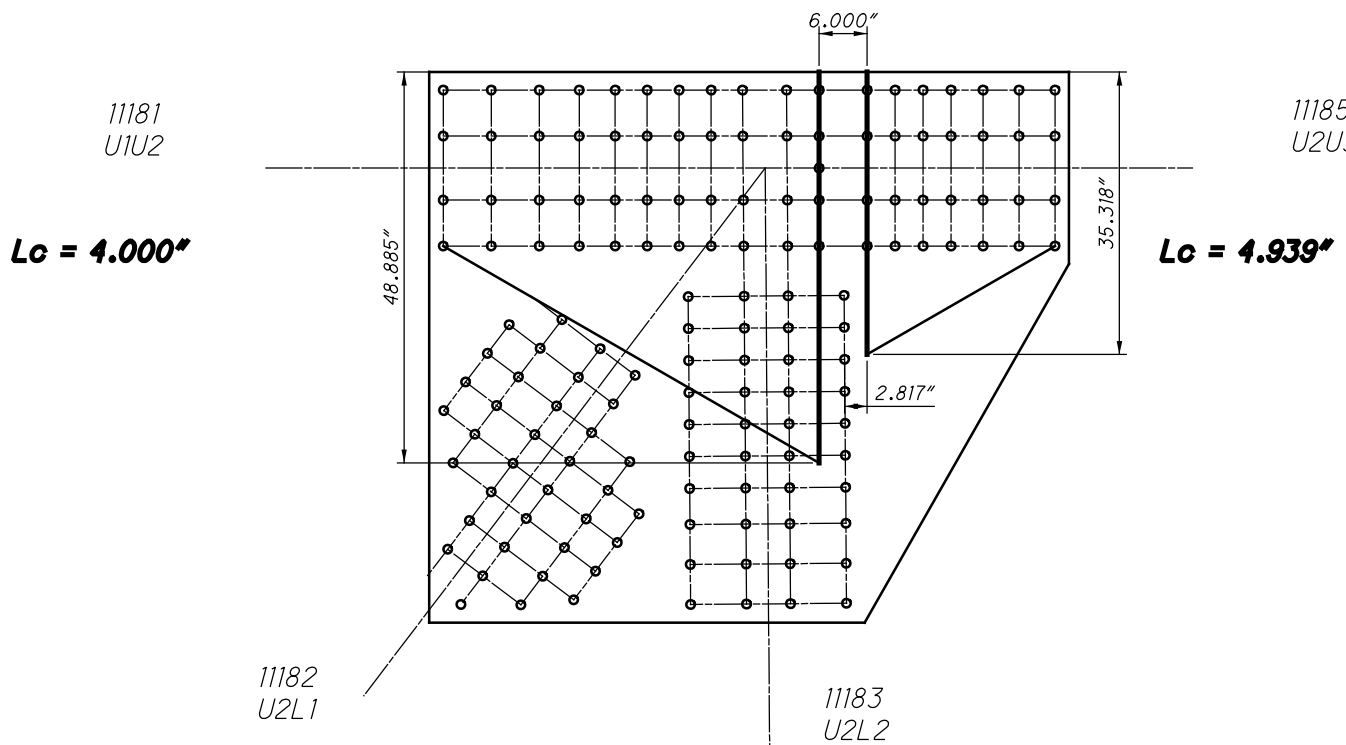
11185
U2U3



**U118 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11181
U1U2

11185
U2U3



**U118 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

44 RIVETS
x 2 PLATES
=88 RIVETS

11181
U1U2

11118 AND 41118

11185
U2U3
28 RIVETS
x 2 PLATES
=56 RIVETS

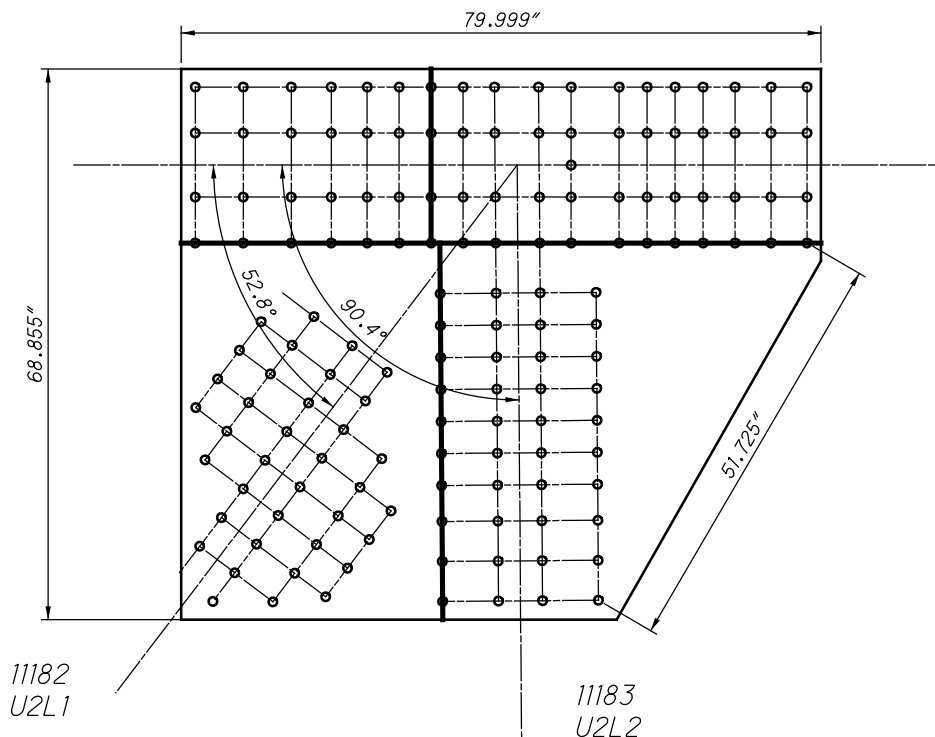
29 RIVETS
x 2 PLATES
=58 RIVETS

11182
U2L1

40 RIVETS
x 2 PLATES
=80 RIVETS

11183
U2L2

**U118 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U118 OUTSIDE
SHEAR AND FREE EDGE CHECK**

11181
U1U2

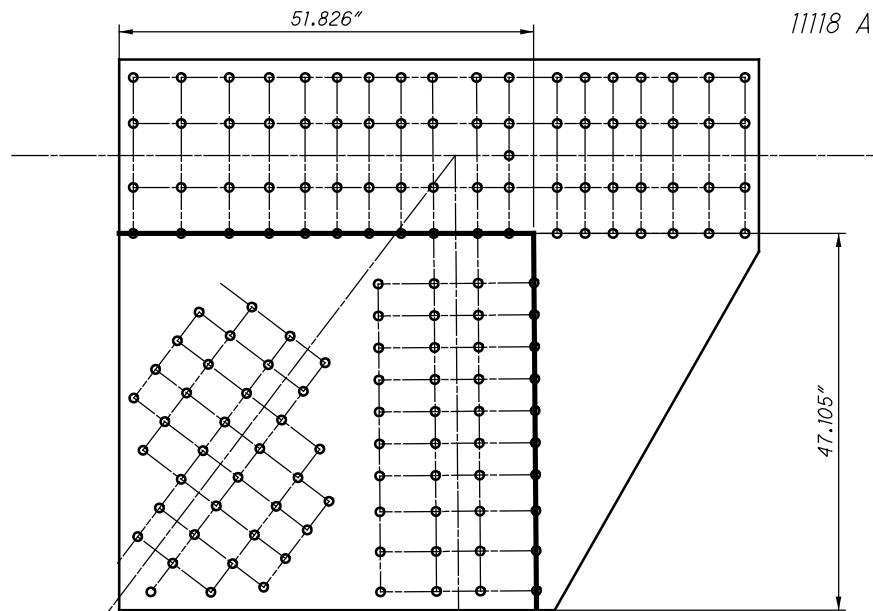
11118 AND 41118

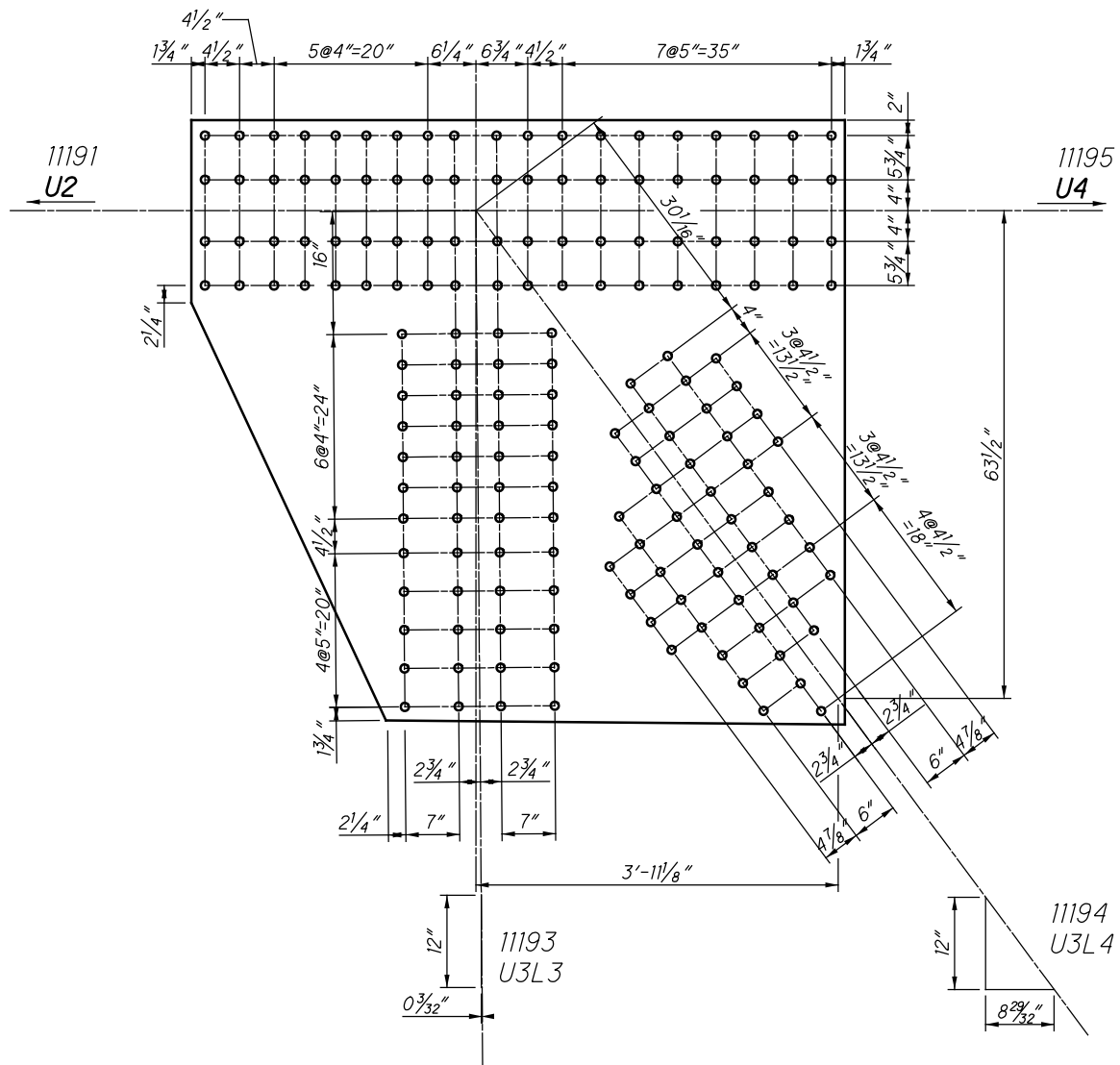
11185
U2U3

11182
U2L1

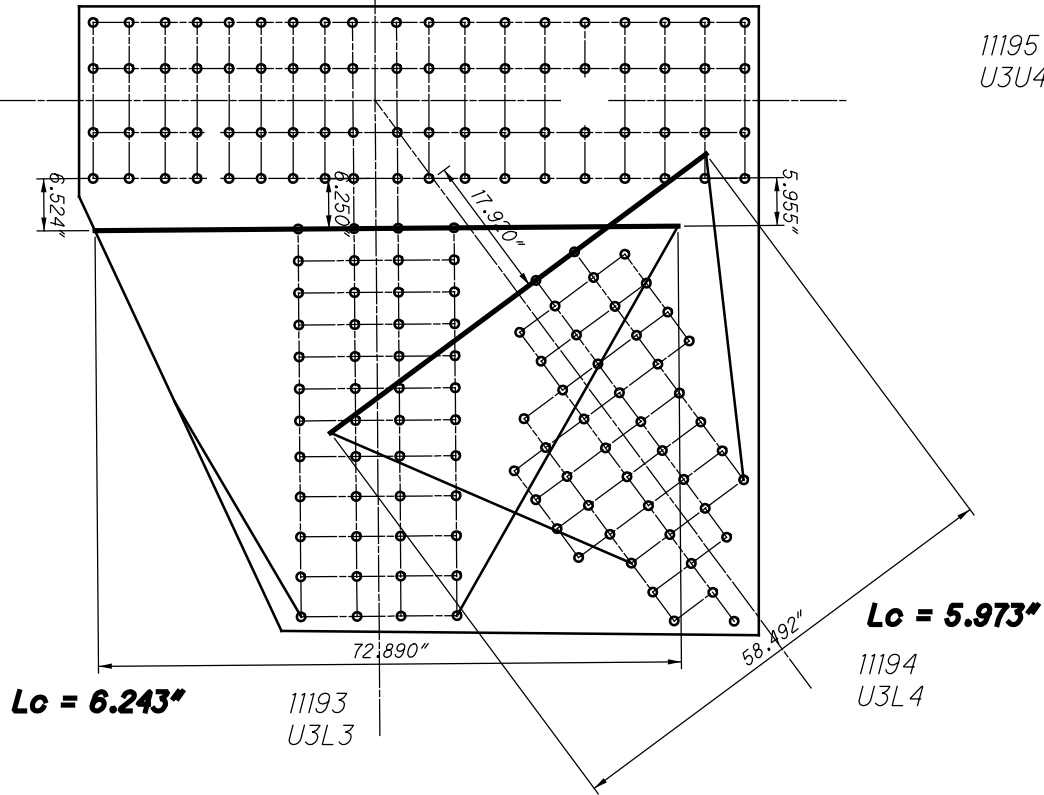
11183
U2L2

**U118 OUTSIDE
QUADRANT DIMENSIONS**

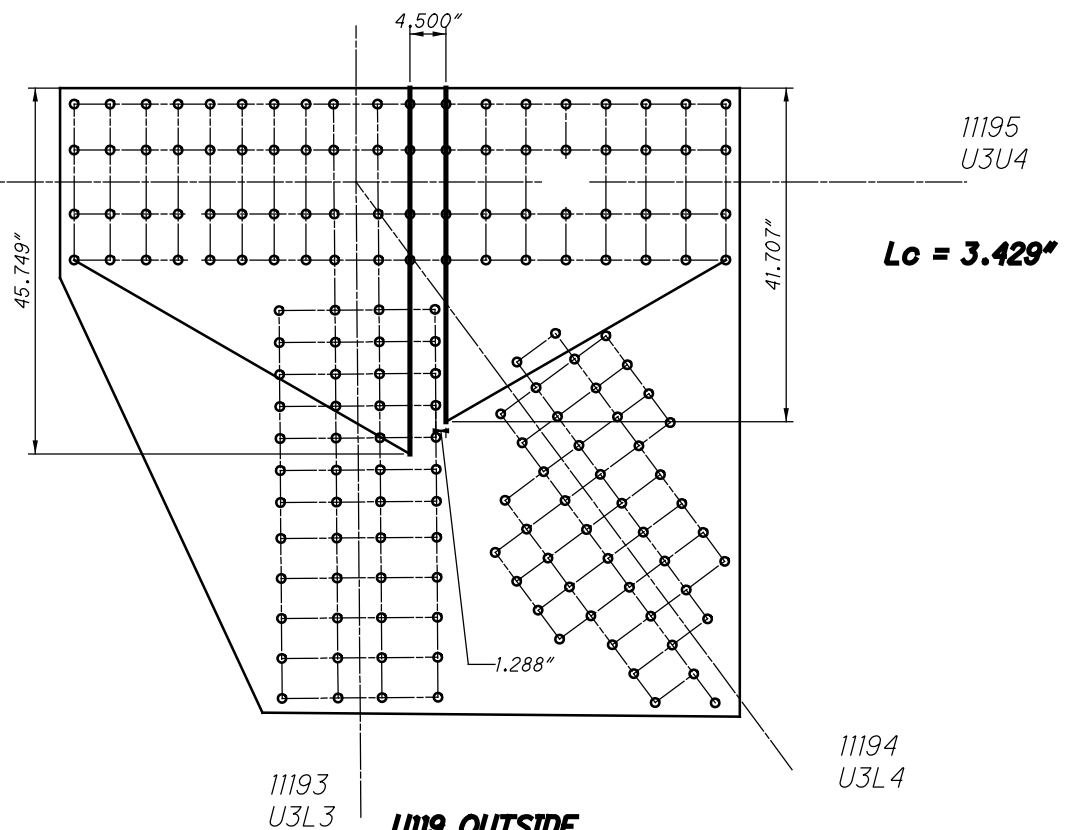




**U119 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



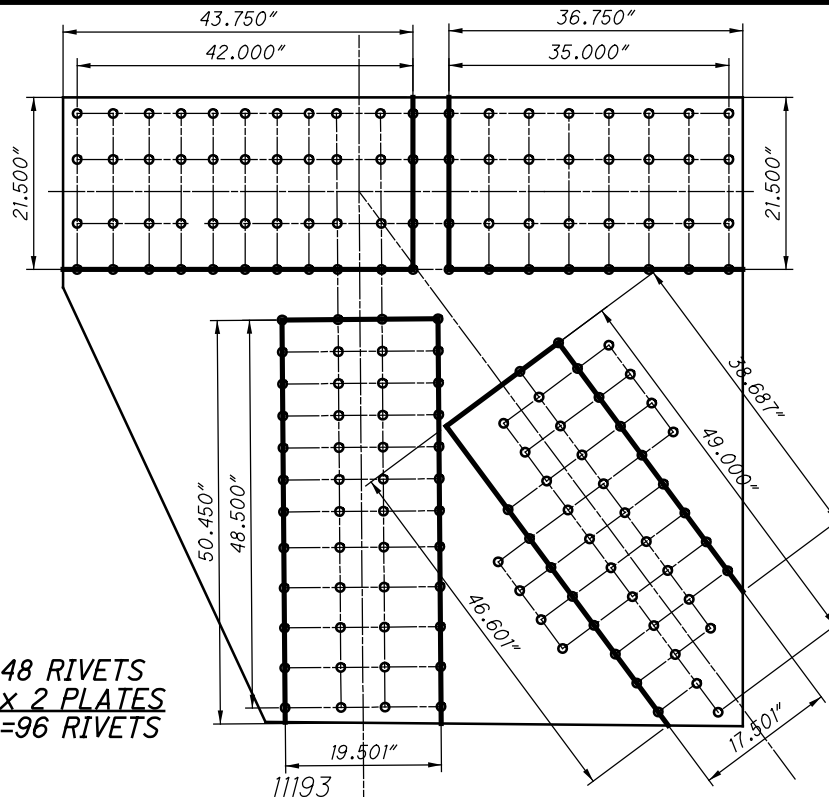
**U119 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



U3L3 | **U119 OUTSIDE**
WHITMORE WIDTHS AND INDIVIDUAL LB'S

44 RIVETS
x 2 PLATES
=88 RIVETS

11191
U2U3



11119 AND 41119

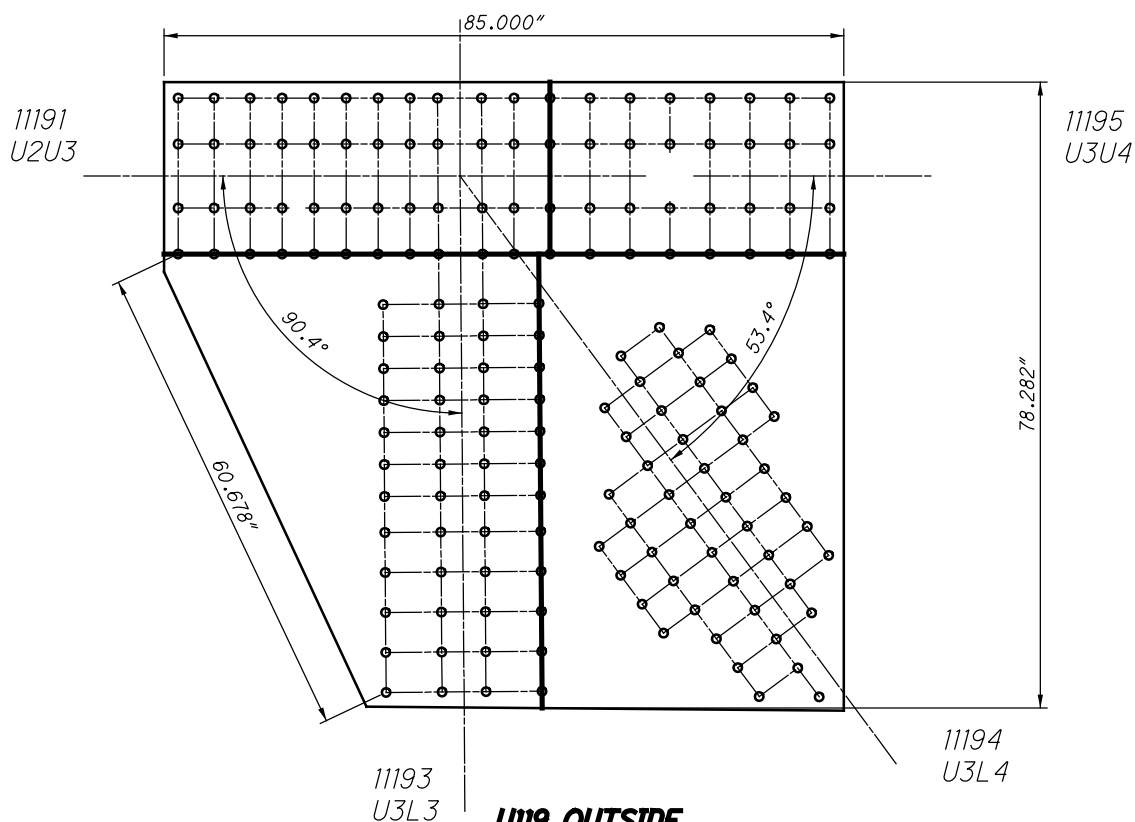
11195
U3U4

32 RIVETS
x 2 PLATES
=64 RIVETS

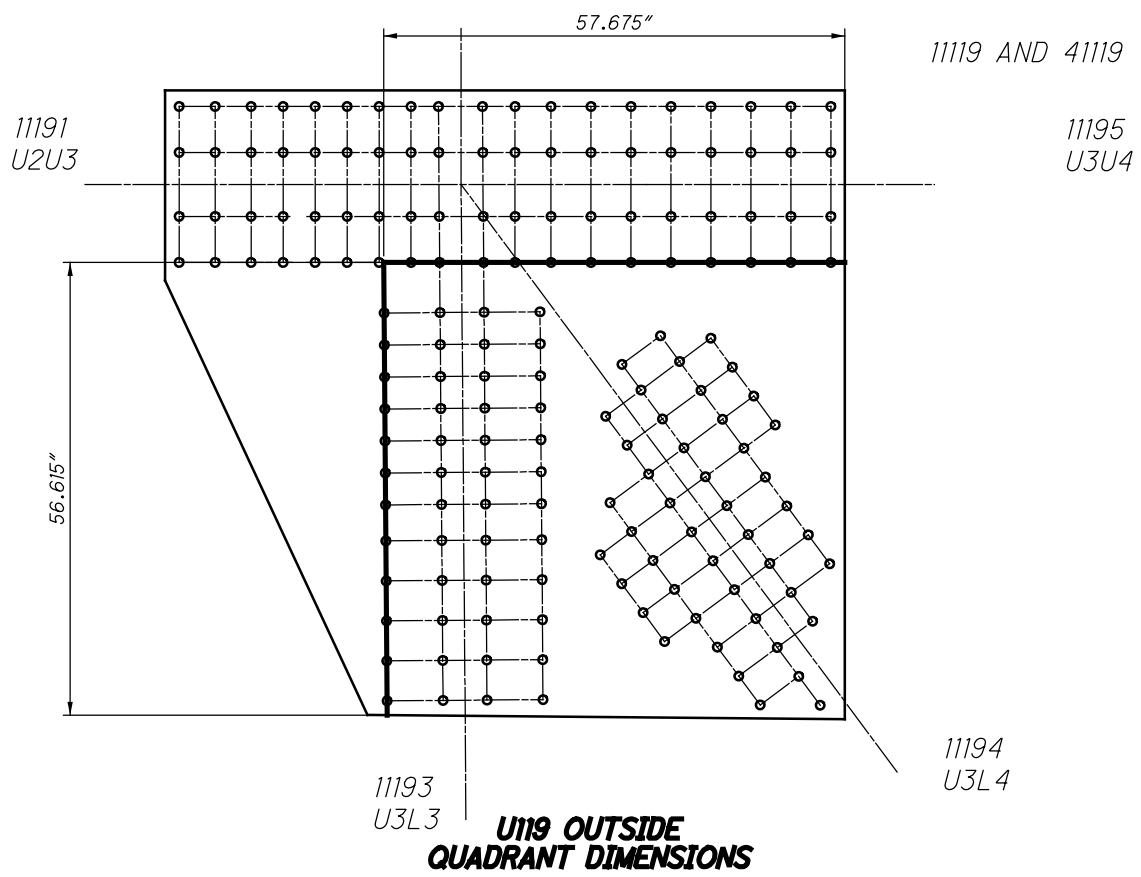
48 RIVETS
x 2 PLATES
=96 RIVETS

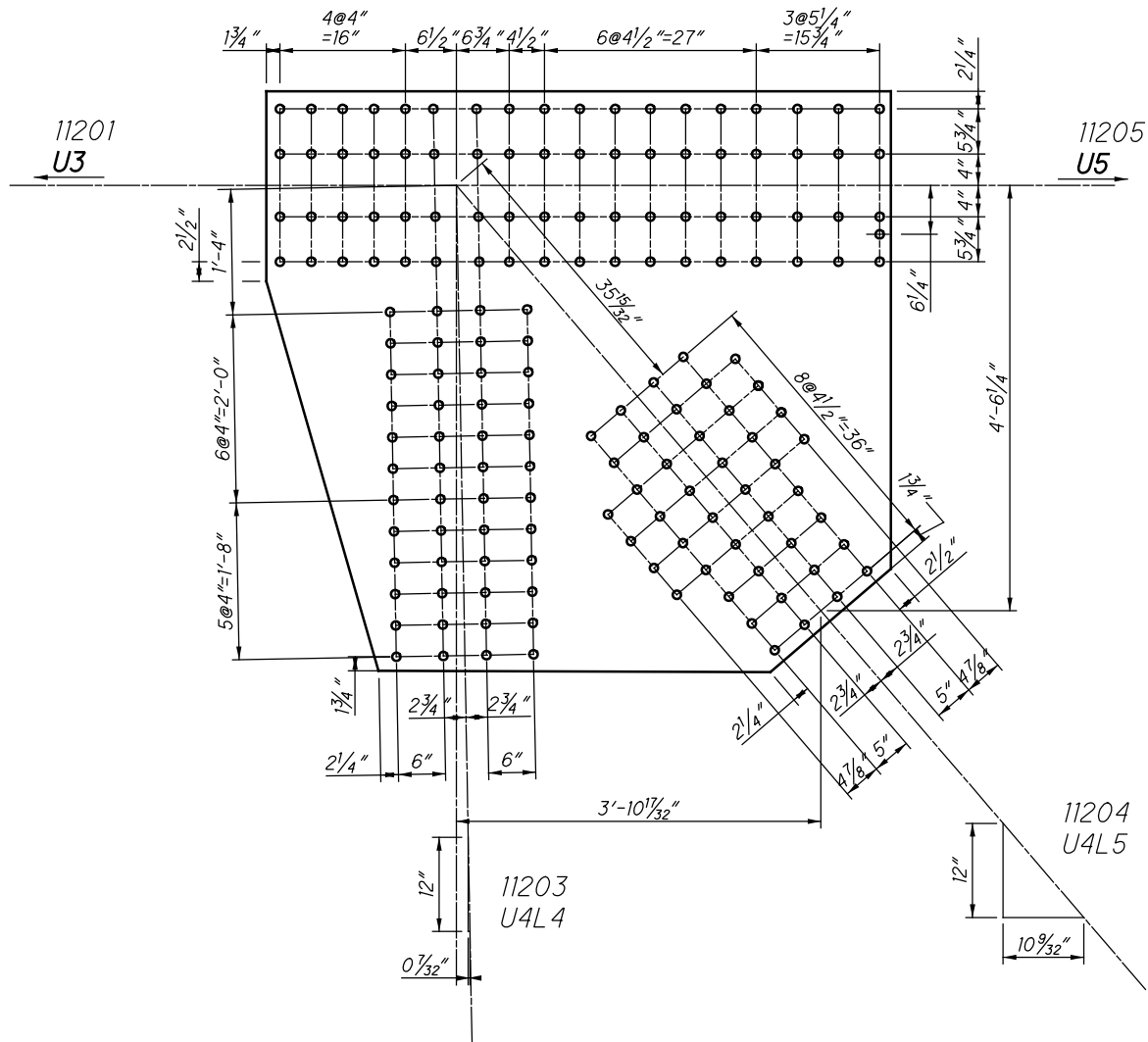
38 RIVETS
x 2 PLATES
=76 RIVETS

**U119 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**U119 OUTSIDE
SHEAR AND FREE EDGE CHECK**



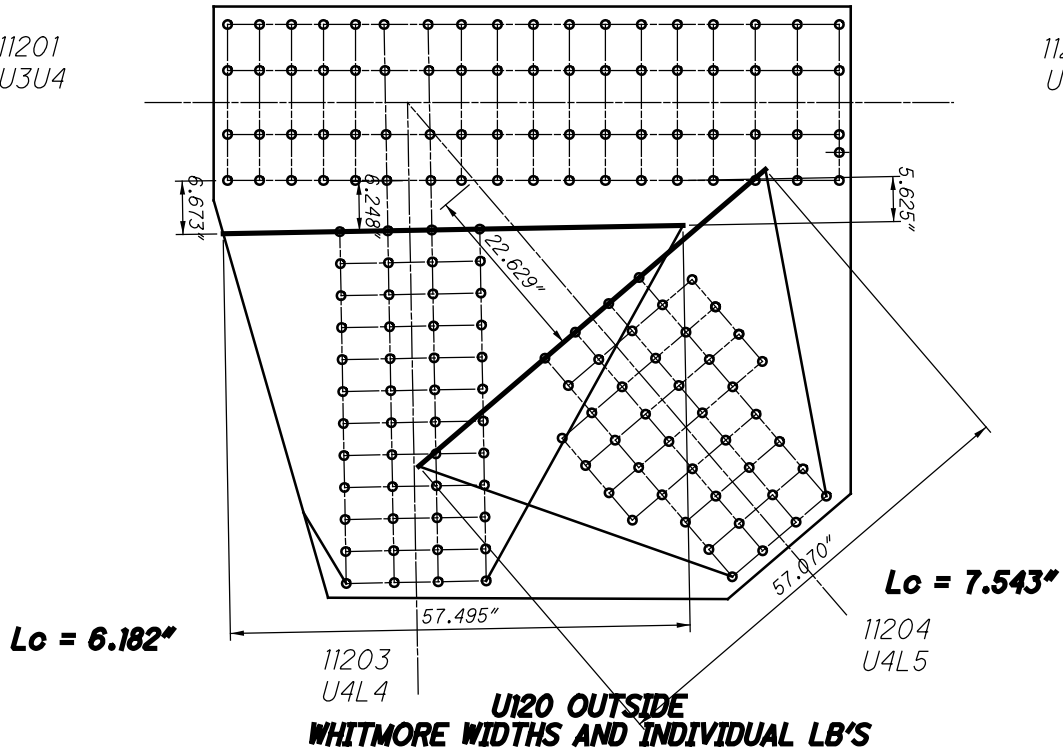


**U120 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

11120 AND 41120

11201
U3U4

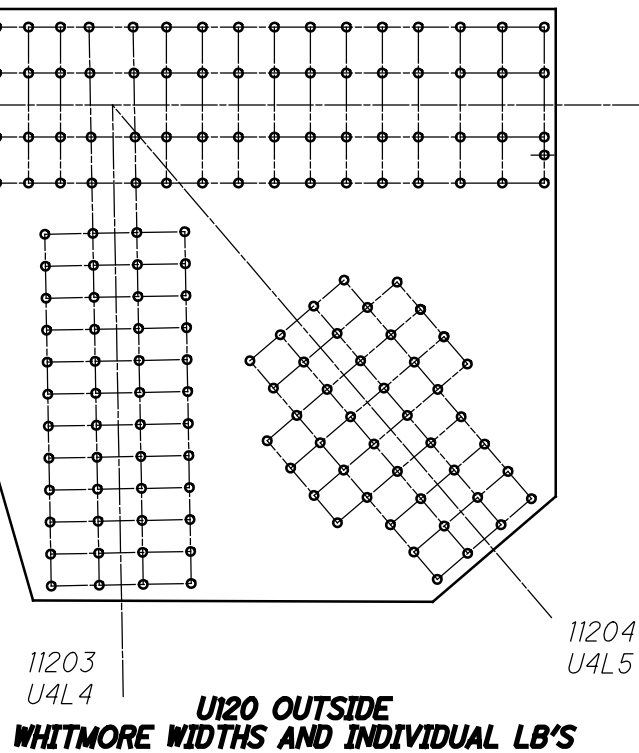
11205
U4U5



CHORD IS CONTINUOUS

11201
U3U4

11205
U4U5



CHORD IS CONTINUOUS

11120 AND 41120

11201
U3U4

11205
U4U5

48 RIVETS
x 2 PLATES
=96 RIVETS

36 RIVETS
x 2 PLATES
=72 RIVETS

11203
U4L4

11204
U4L5

**U120 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

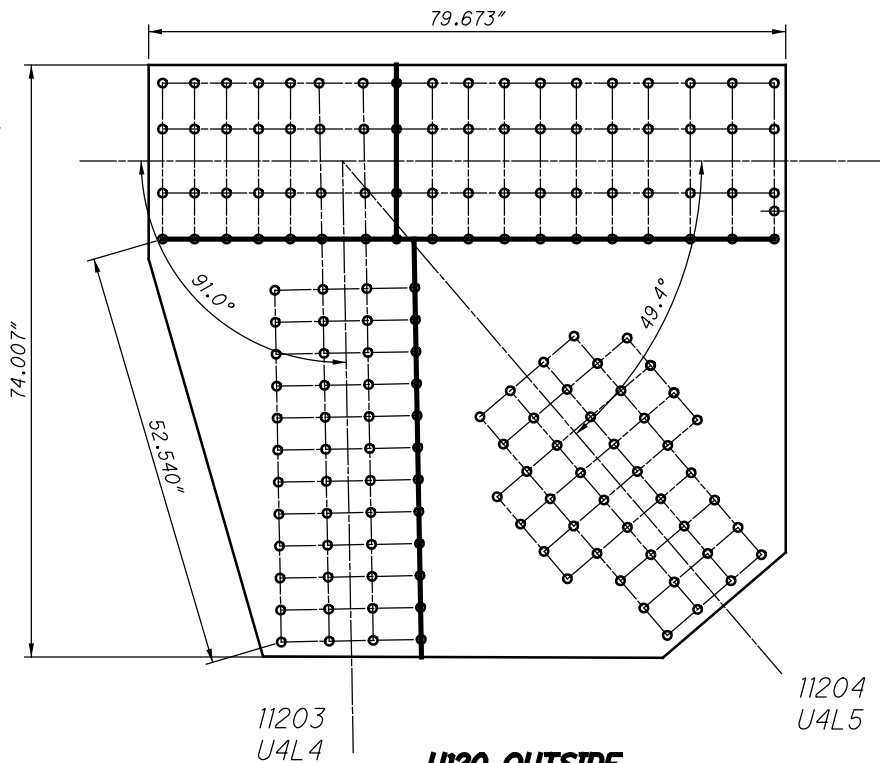
11201
U3U4

11205
U4U5

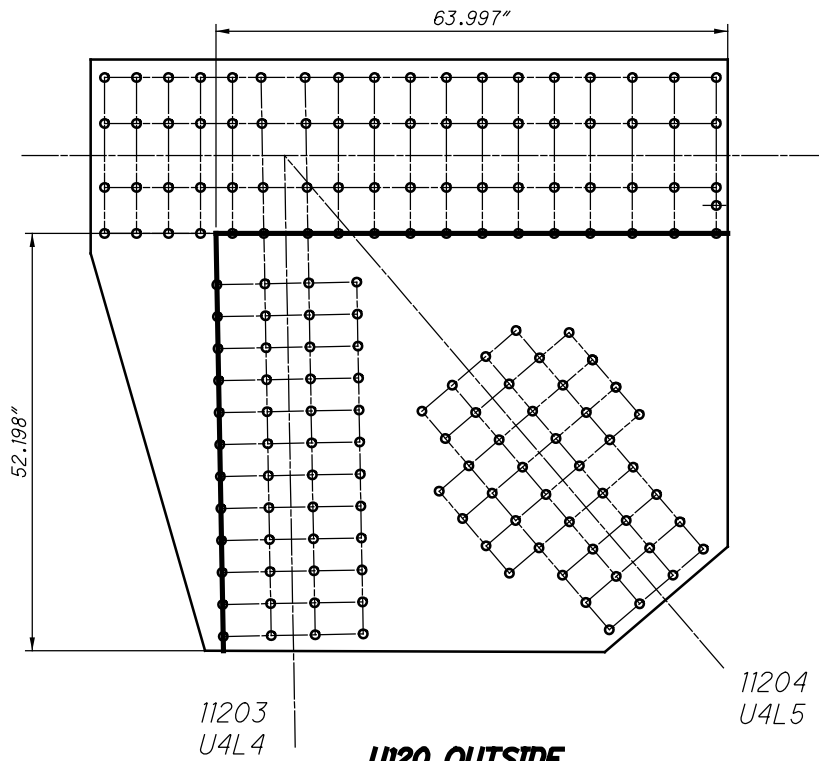
11203
U4L4

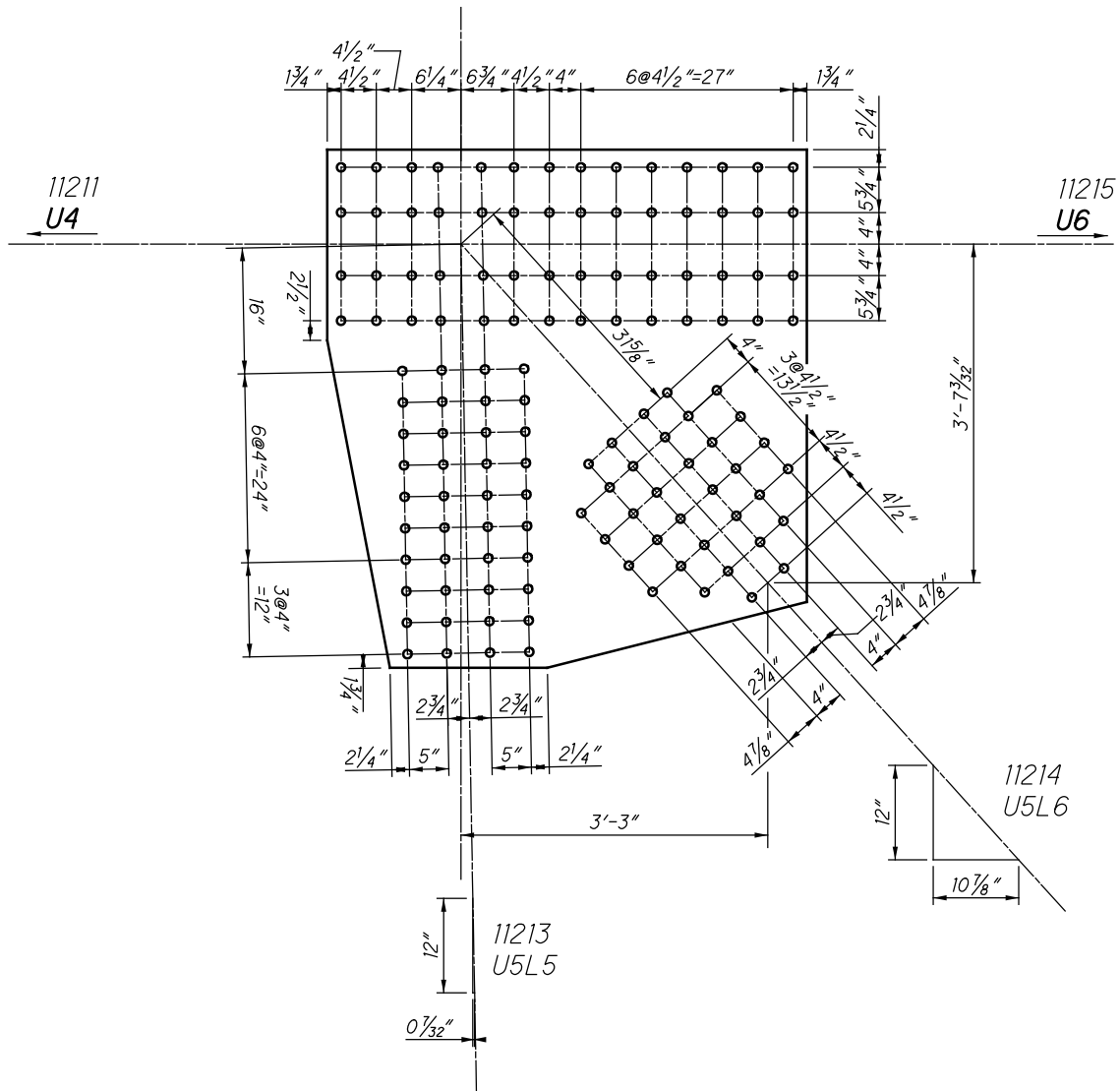
11204
U4L5

**U120 OUTSIDE
SHEAR AND FREE EDGE CHECK**



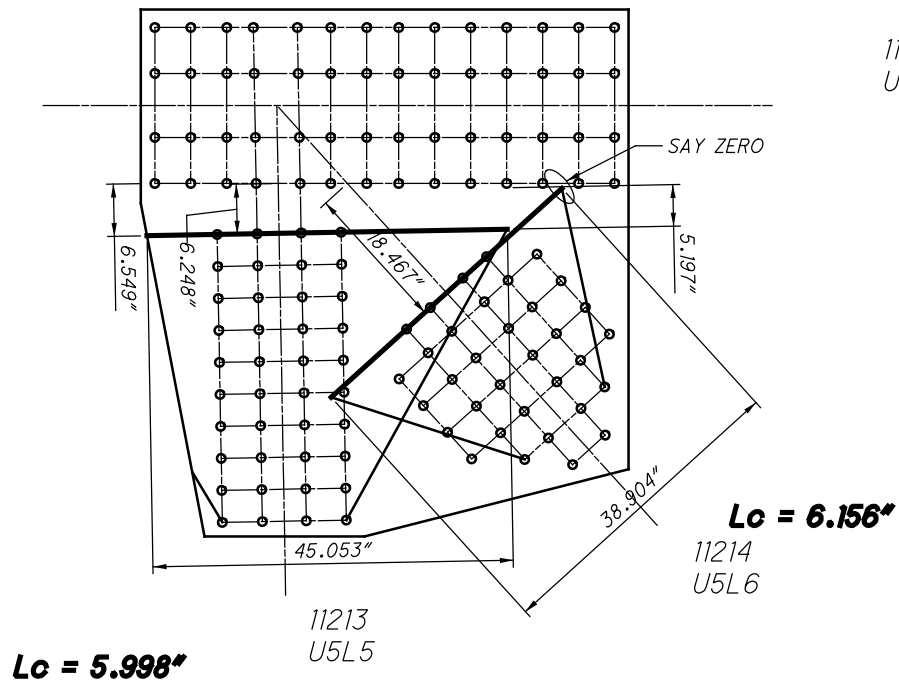
11201
U3U4



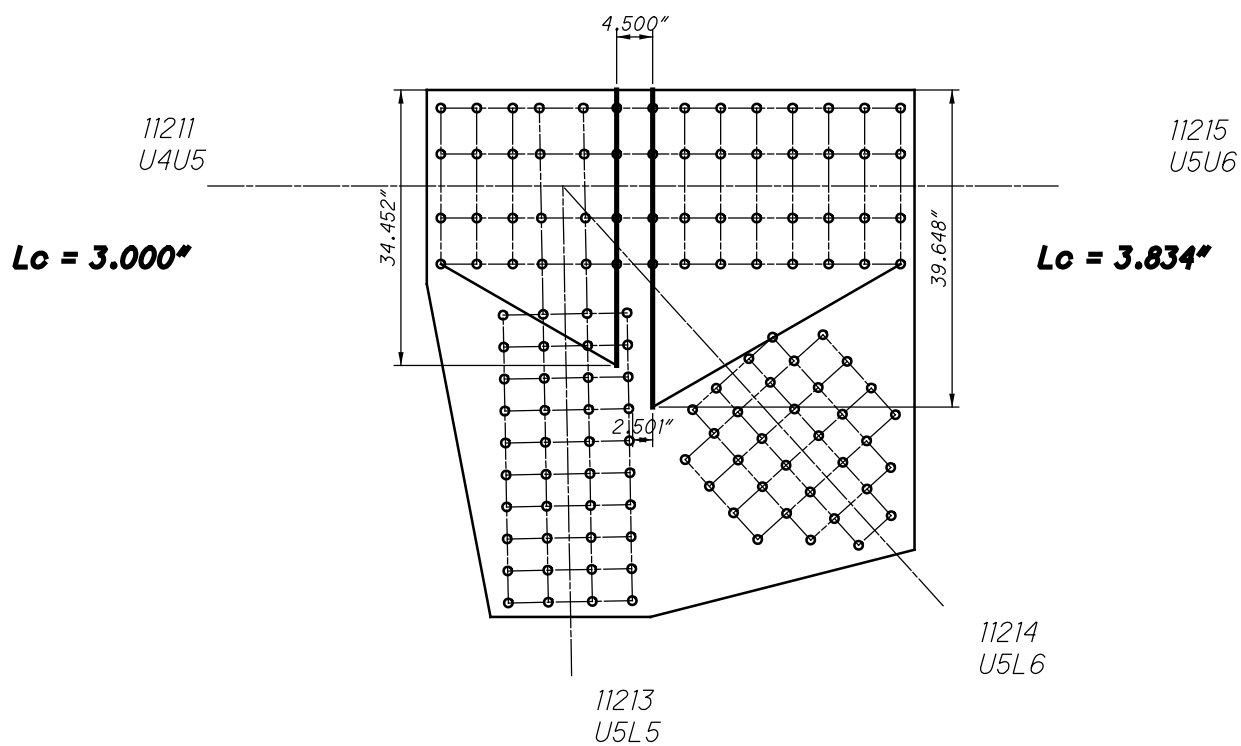


**U121 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

11215
U5U6



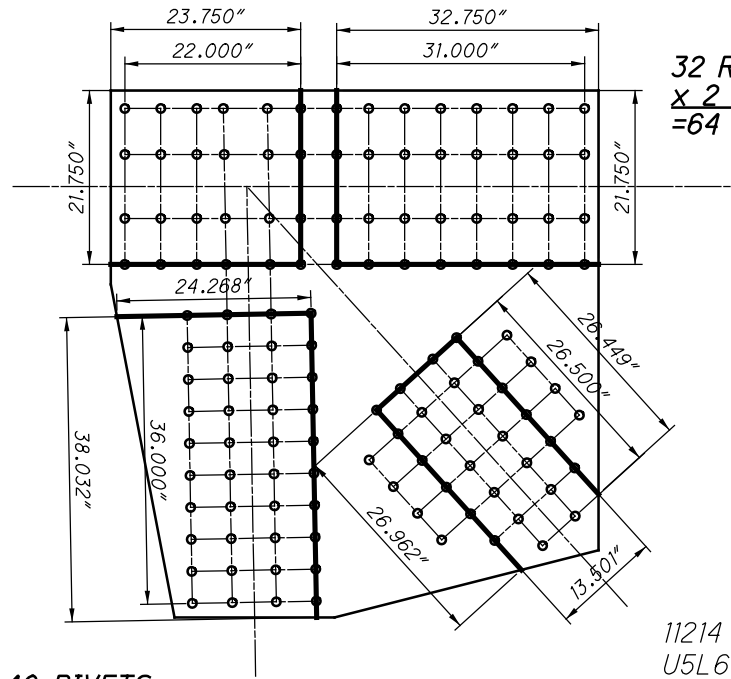
**U121 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U121 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

24 RIVETS
x 2 PLATES
=48 RIVETS

11211
U4U5



1121 AND 41121

32 RIVETS
x 2 PLATES
=64 RIVETS

11215
U5U6

26 RIVETS
x 2 PLATES
=52 RIVETS

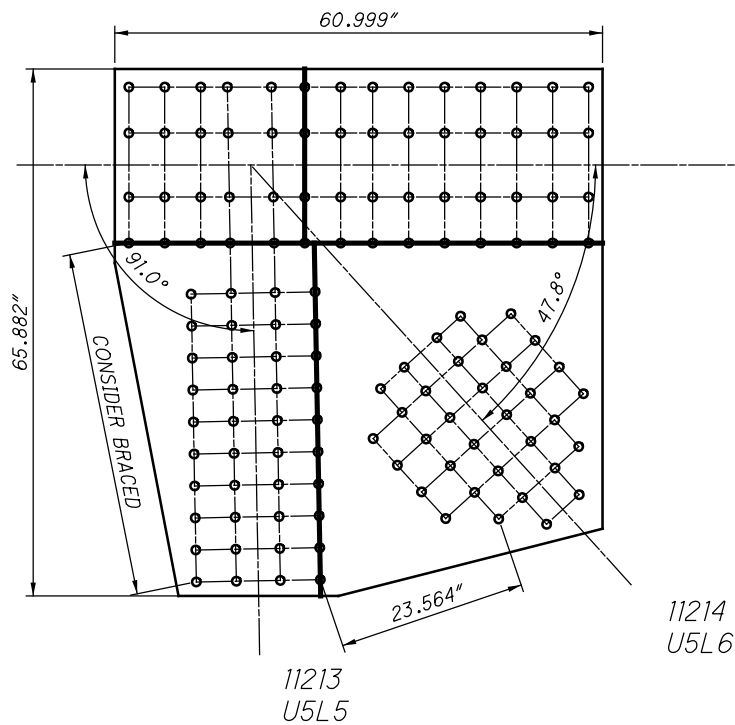
11214
U5L6

40 RIVETS
x 2 PLATES
=80 RIVETS

11213
U5L5

**U121 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11211
U4U5



11215
U5U6

11214
U5L6

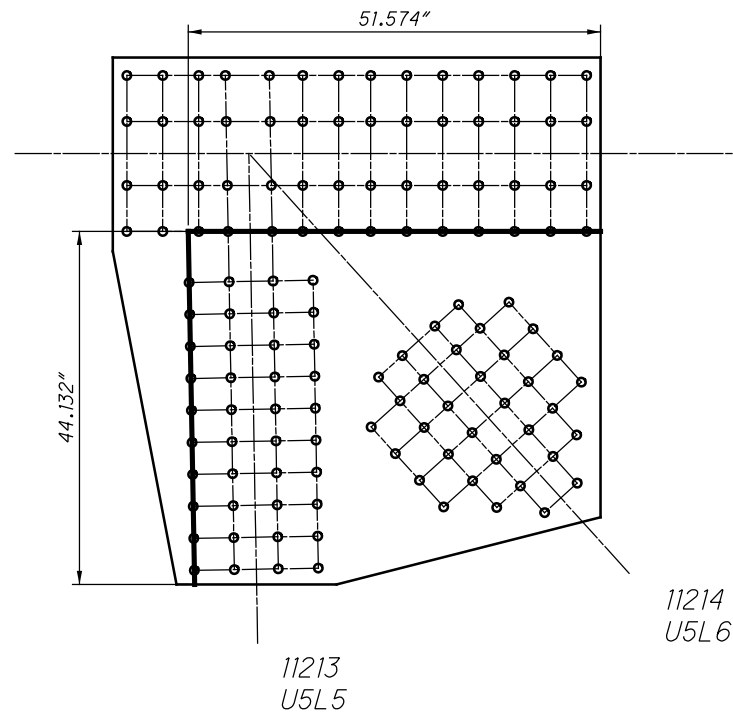
11213
U5L5

**U121 OUTSIDE
SHEAR AND FREE EDGE CHECK**

11211
U4U5

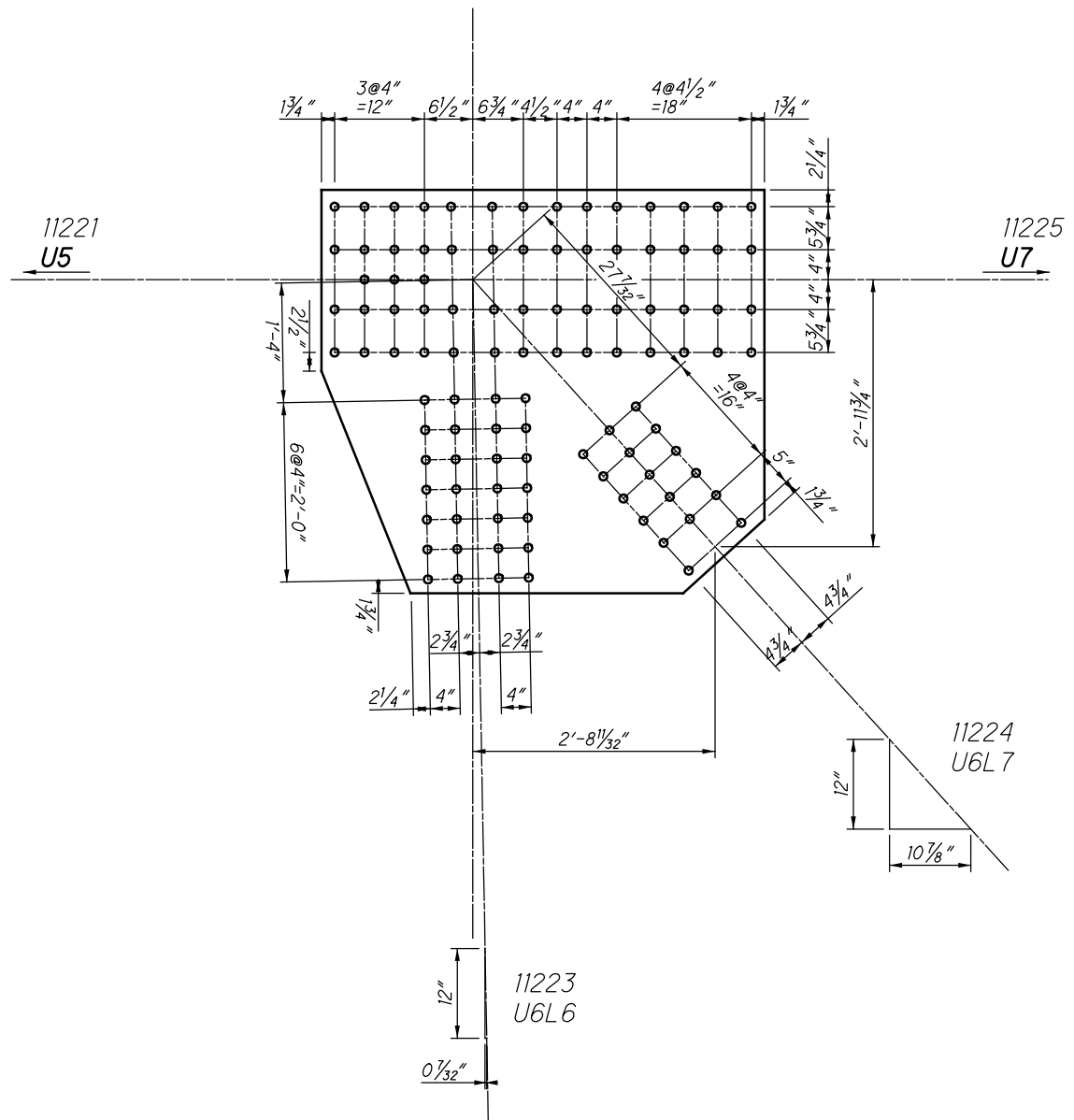
11121 AND 41121

11215
U5U6



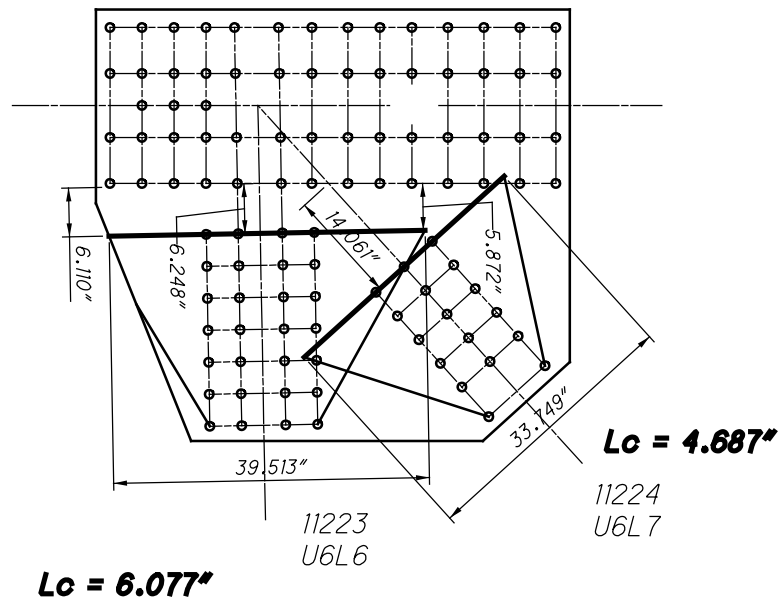
**U121 OUTSIDE
QUADRANT DIMENSIONS**

NOT APPLICABLE EVEN IN IMAGINATION

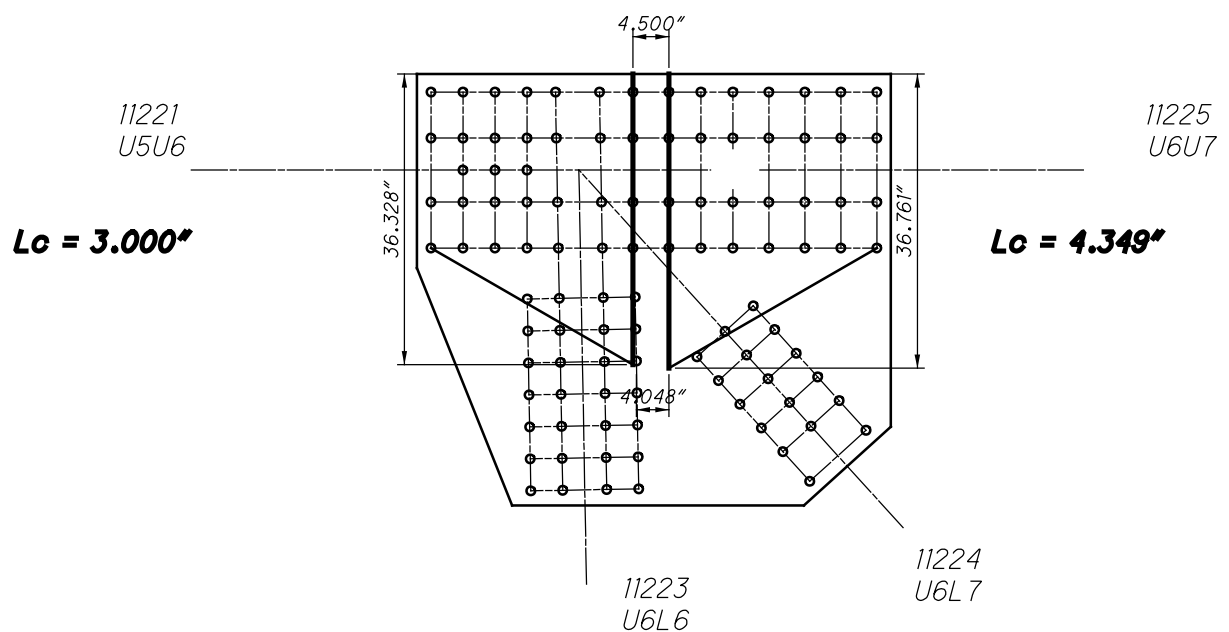


**U122 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

11225
U6U7



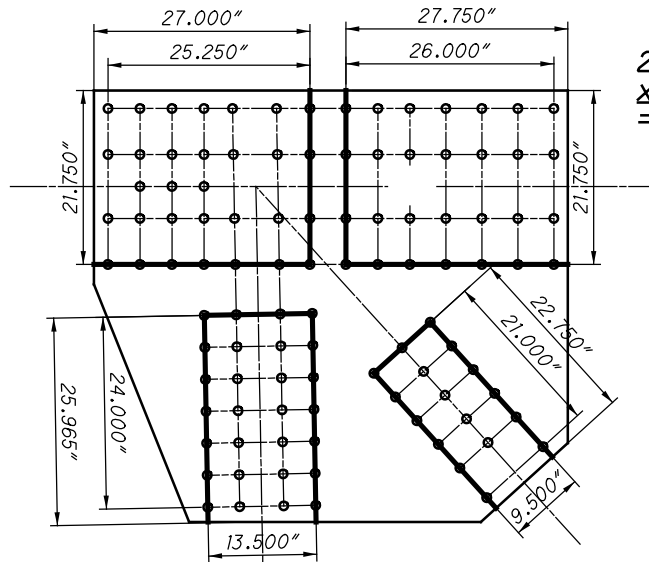
U122 OUTSIDE WHITMORE WIDTHS AND INDIVIDUAL LB'S



**U122 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

31 RIVETS
x 2 PLATES
=62 RIVETS

11221
U5U6



11122 AND 41122
28 RIVETS
x 2 PLATES
=56 RIVETS

11225
U6U7

28 RIVETS
x 2 PLATES
=56 RIVETS

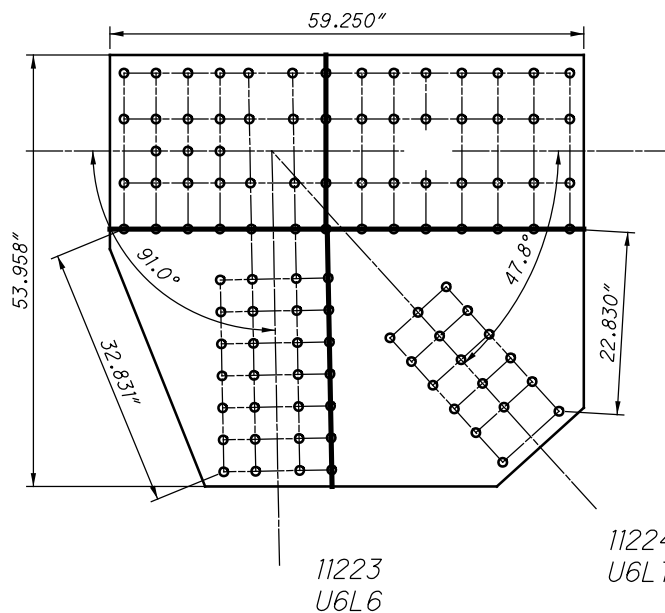
11223
U6L6

11224
U6L7

17 RIVETS
x 2 PLATES
=34 RIVETS

**U122 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11221
U5U6



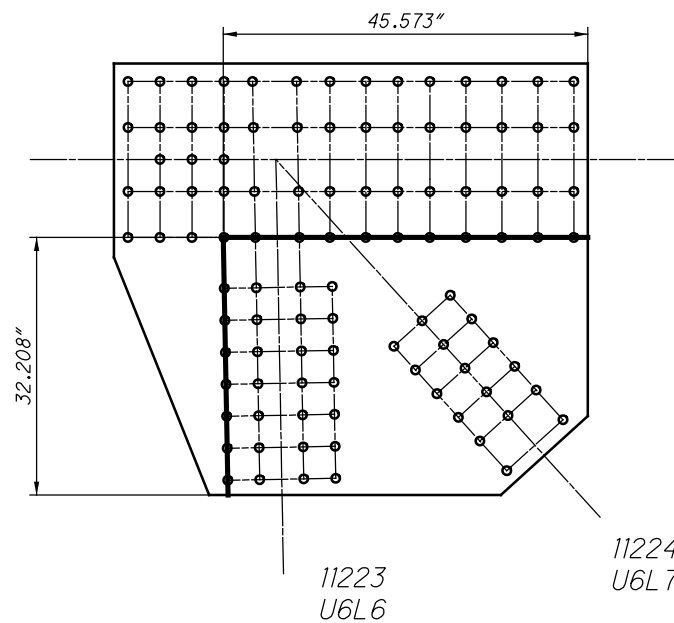
11225
U6U7

11223
U6L6

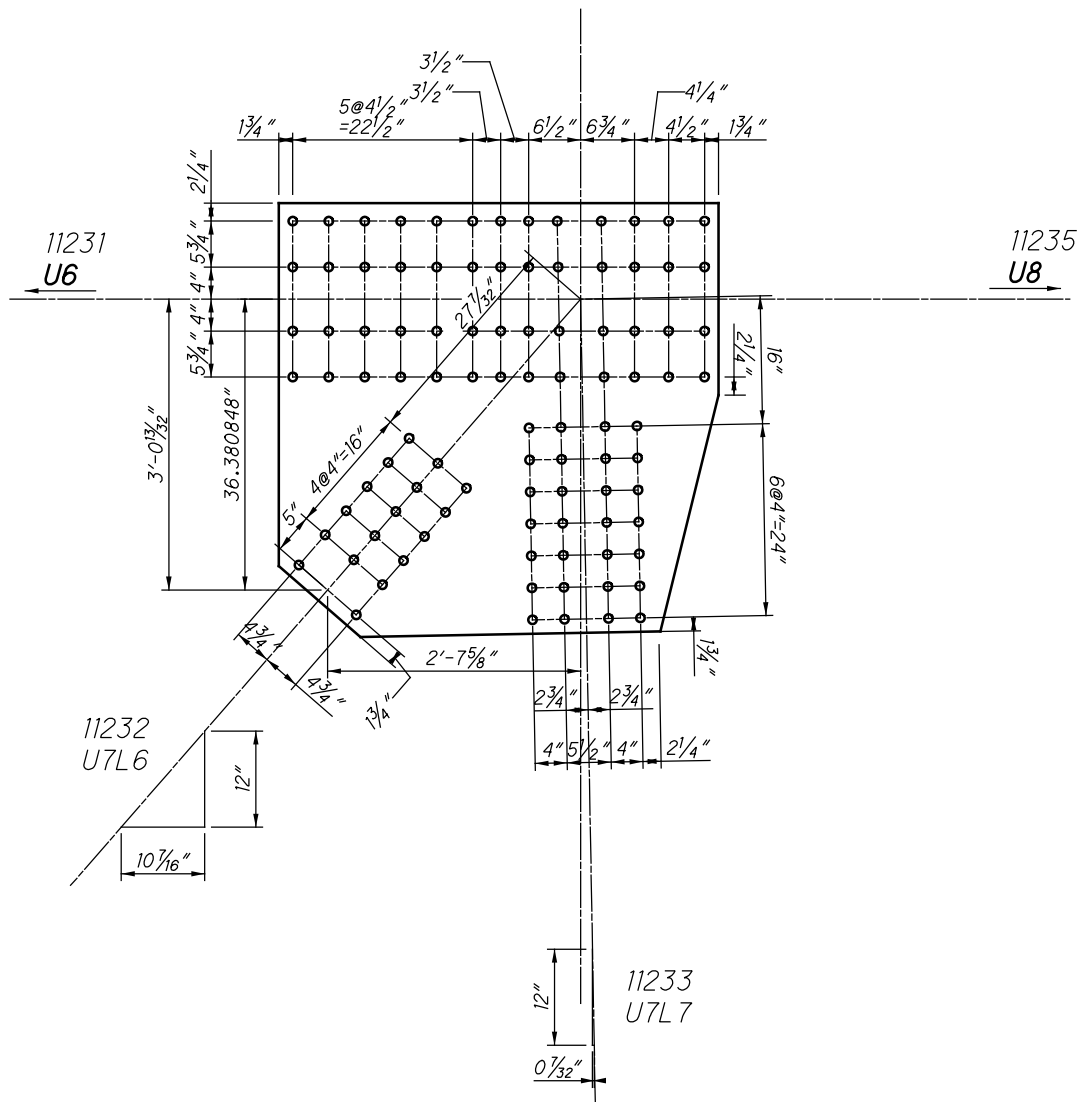
11224
U6L7

**U122 OUTSIDE
SHEAR AND FREE EDGE CHECK**

11221
U5U6



**U122 OUTSIDE
QUADRANT DIMENSIONS**

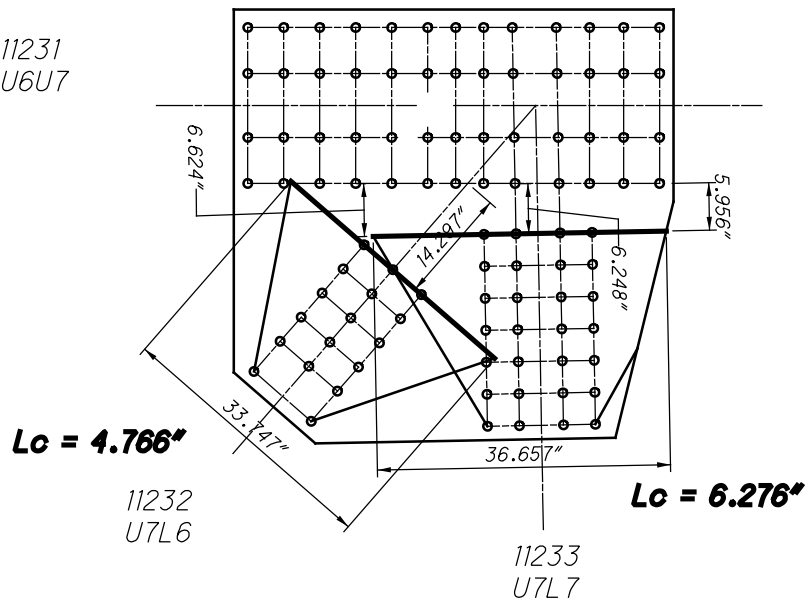


**U123 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

1123 AND 4123

11231
U6U7

11235
U7U8

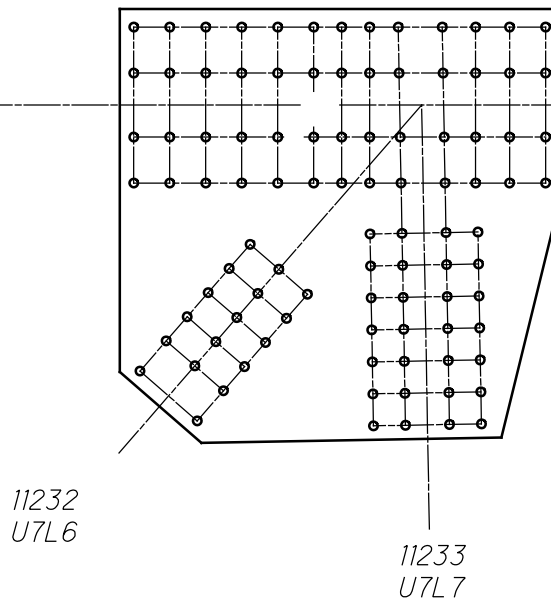


**U123 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

11231
U6U7

11235
U7U8



**U123 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

1123 AND 41123

11231
U6U7

11235
U7U8

17 RIVETS
x 2 PLATES
=34 RIVETS

11232
U7L6

11233
U7L7

28 RIVETS
x 2 PLATES
=56 RIVETS

**U123 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

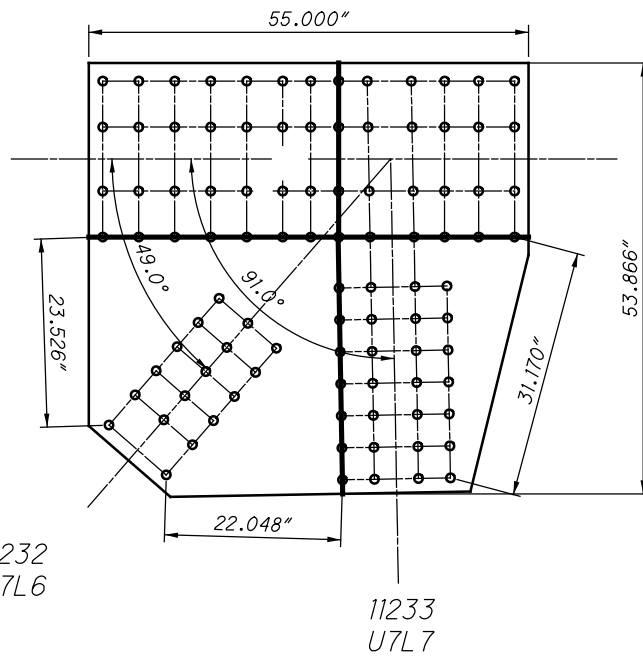
11231
U6U7

11235
U7U8

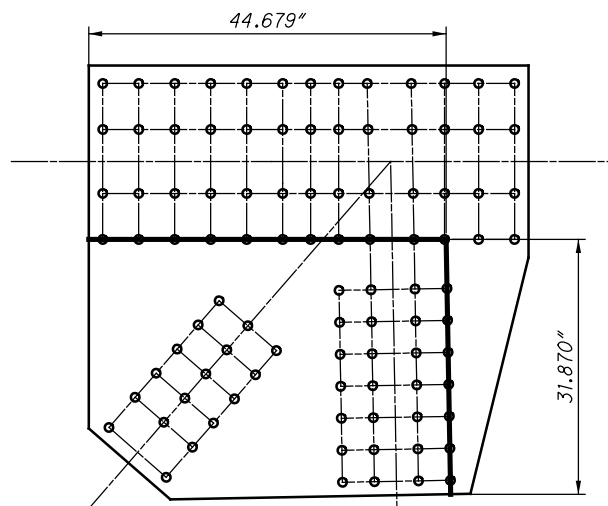
11232
U7L6

11233
U7L7

**U123 OUTSIDE
SHEAR AND FREE EDGE CHECK**



11231
U6U7



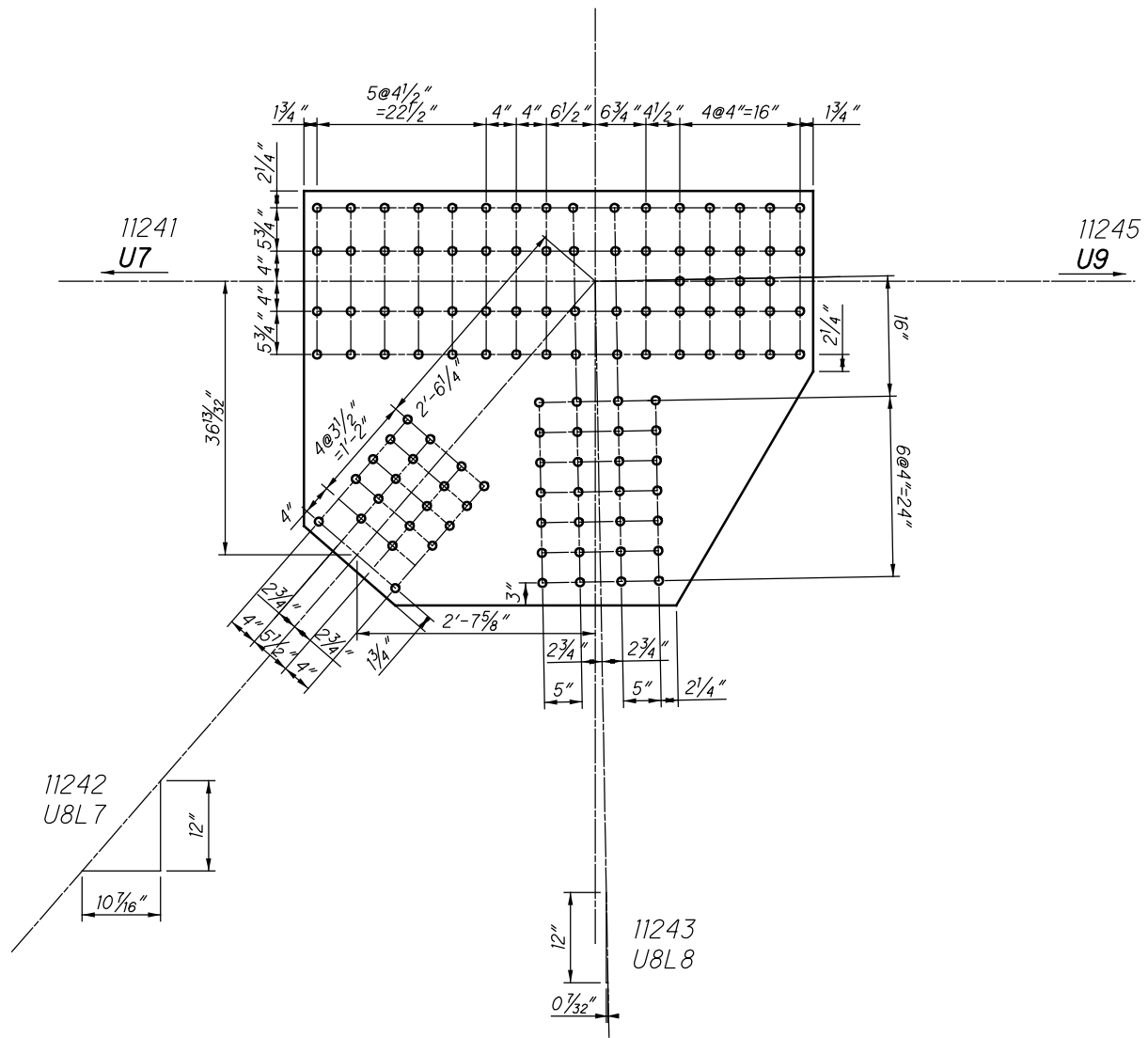
11232
U7L6

11233
U7L7

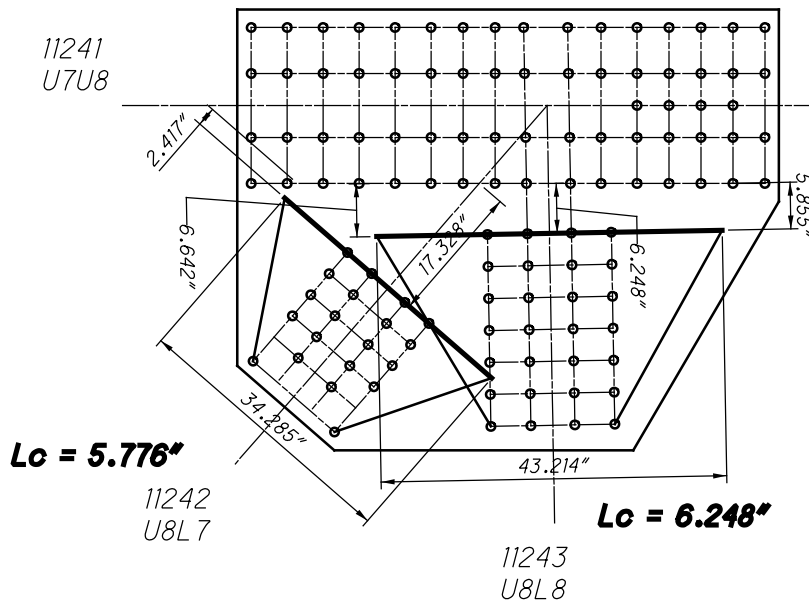
11123 AND 41123

11235
U7U8

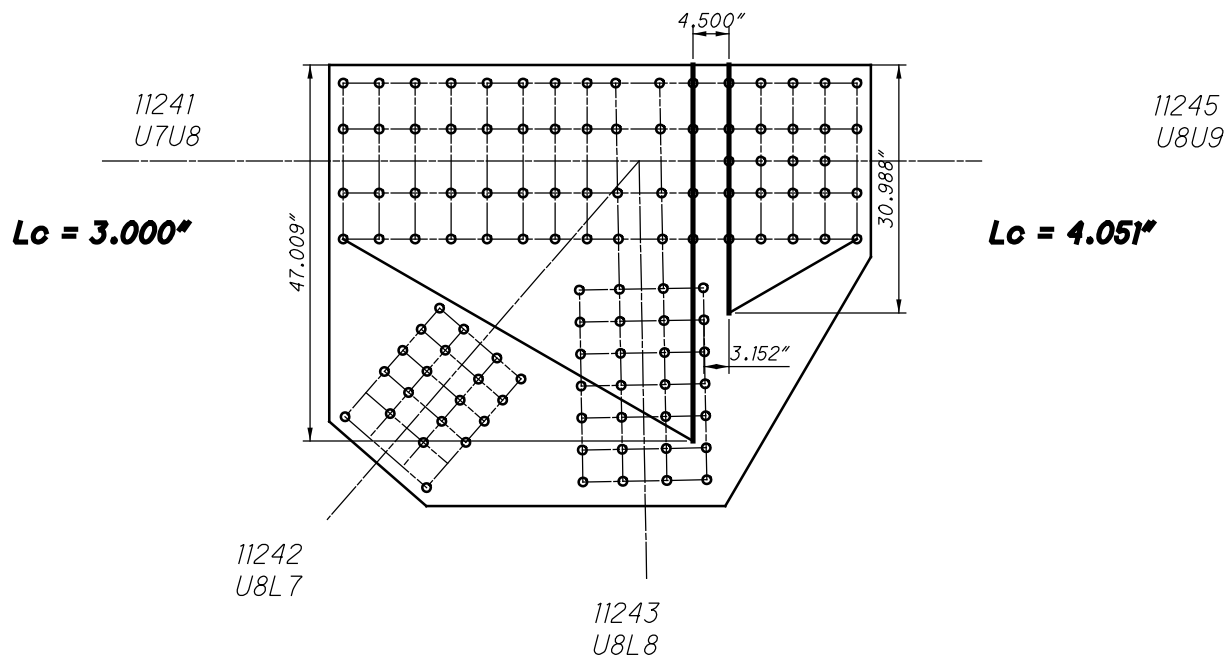
**U123 OUTSIDE
QUADRANT DIMENSIONS**



**U124 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**U124 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U124 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

**44 RIVETS
x 2 PLATES
=88 RIVETS**

11241
U7U8

11124 AND 41124

**24 RIVETS
x 2 PLATES =48 RIVETS** 11245
U8U9

**20 RIVETS
x 2 PLATES
=40 RIVETS**

11242
U8L7

11243
U8L8

**28 RIVETS
x 2 PLATES
=56 RIVETS**

**U124 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

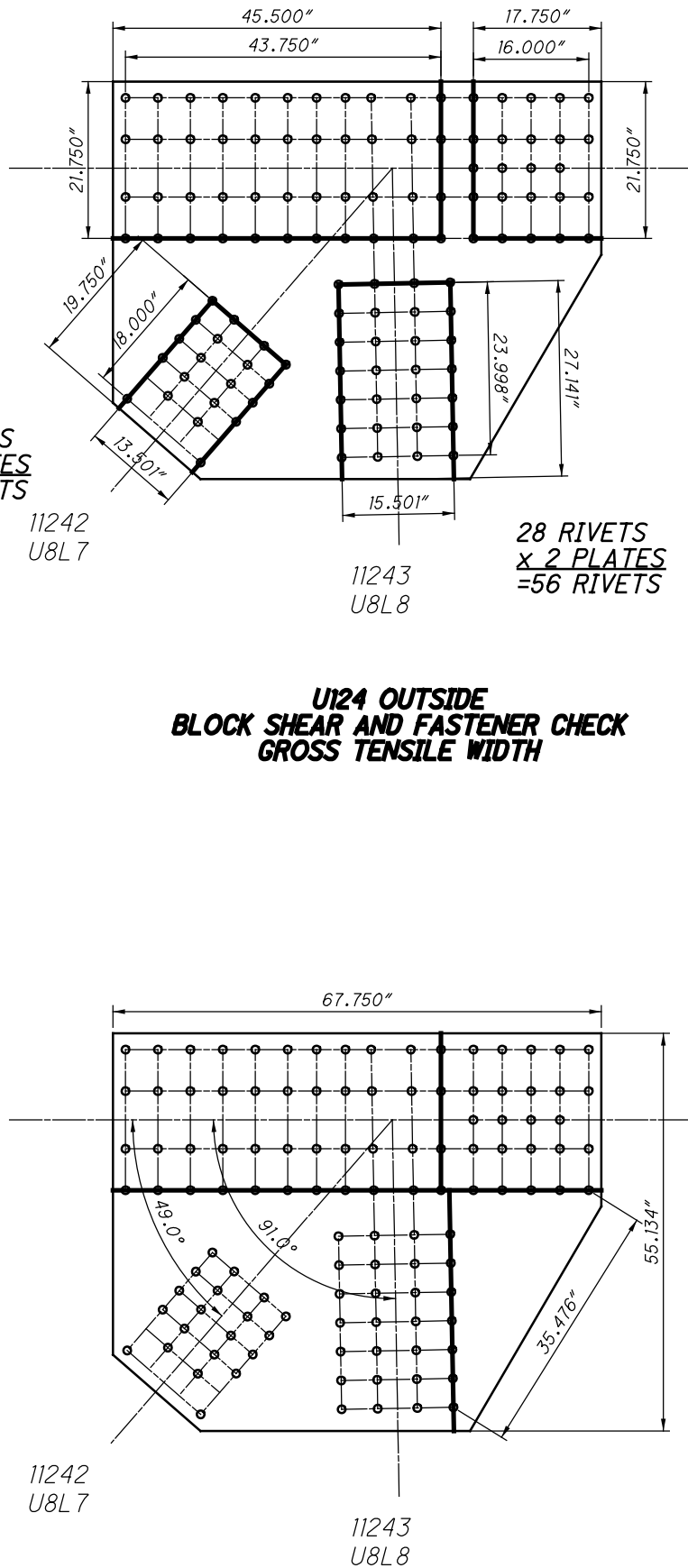
11241
U7U8

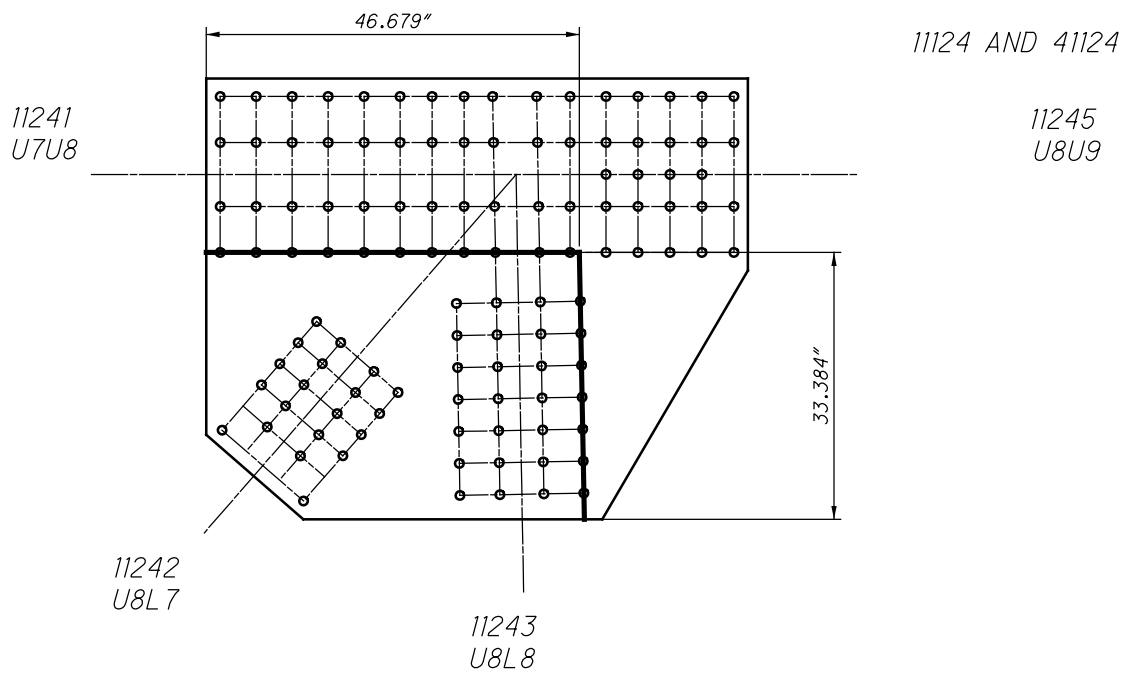
11245
U8U9

11242
U8L7

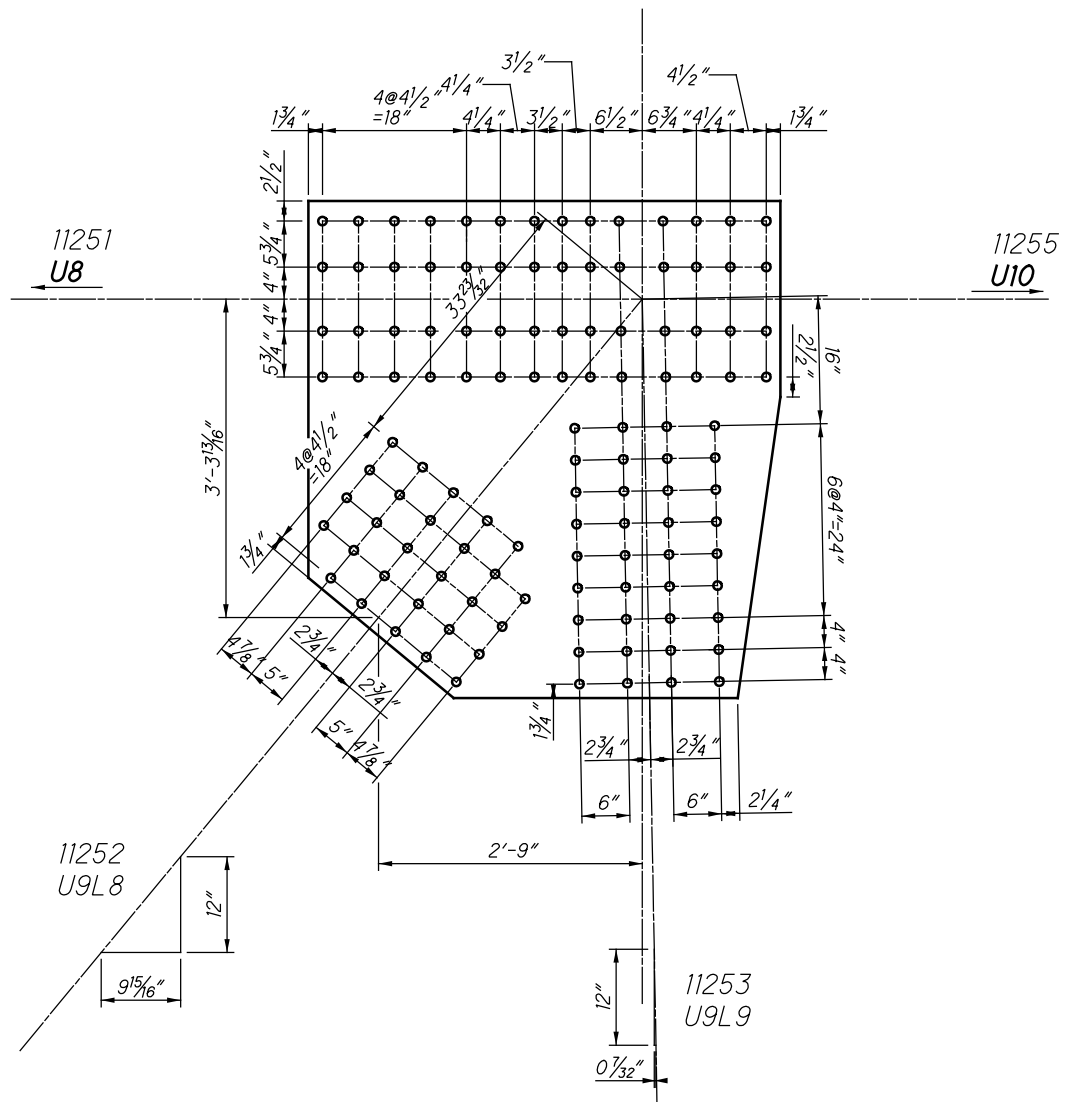
11243
U8L8

**U124 OUTSIDE
SHEAR AND FREE EDGE CHECK**





**U124 OUTSIDE
QUADRANT DIMENSIONS**



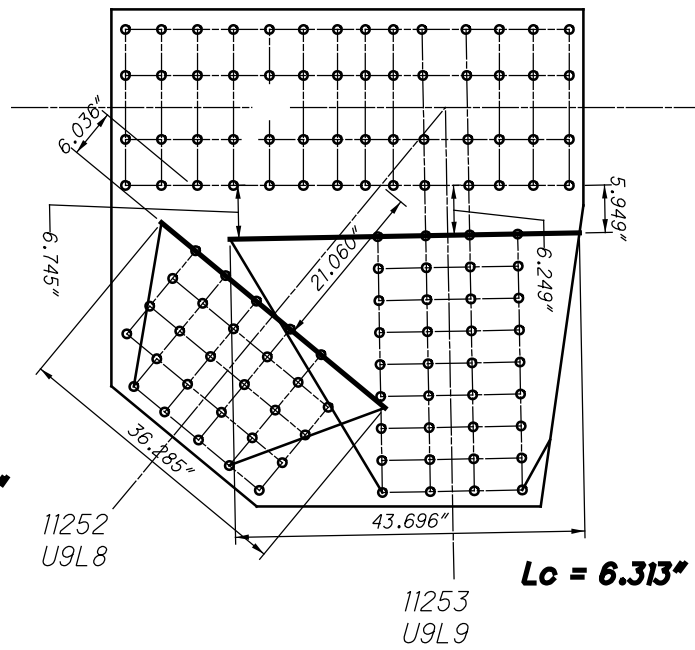
**U125 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

1125 AND 4125

11251
U8U9

11255
U9U10

$L_c = 7.020''$



**U125 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

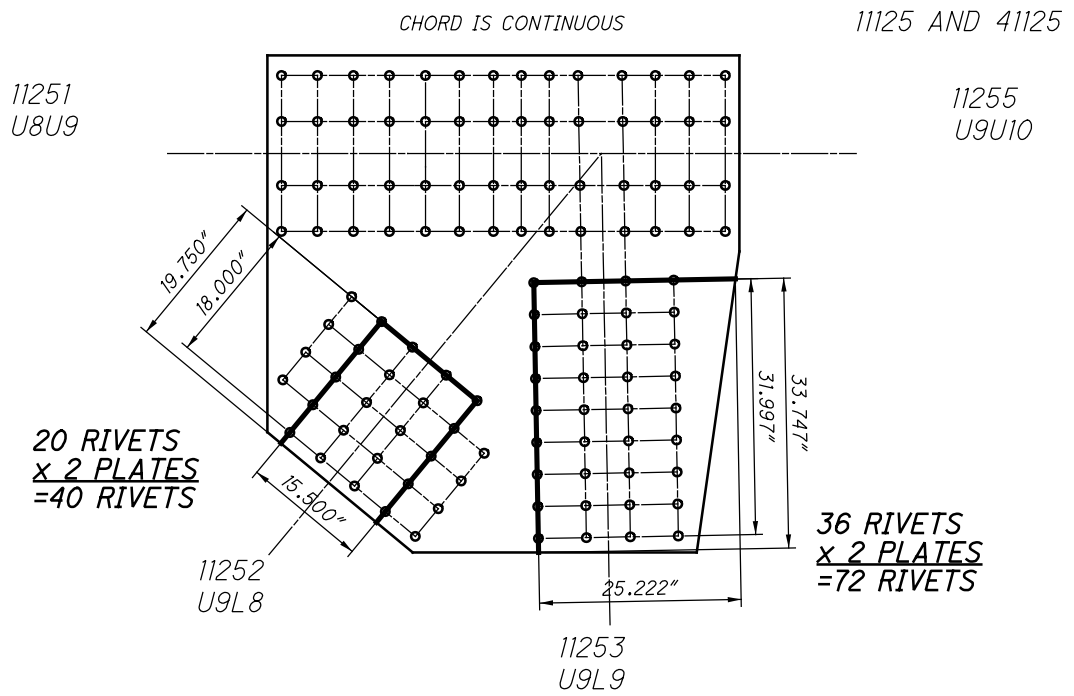
11251
U8U9

11255
U9U10

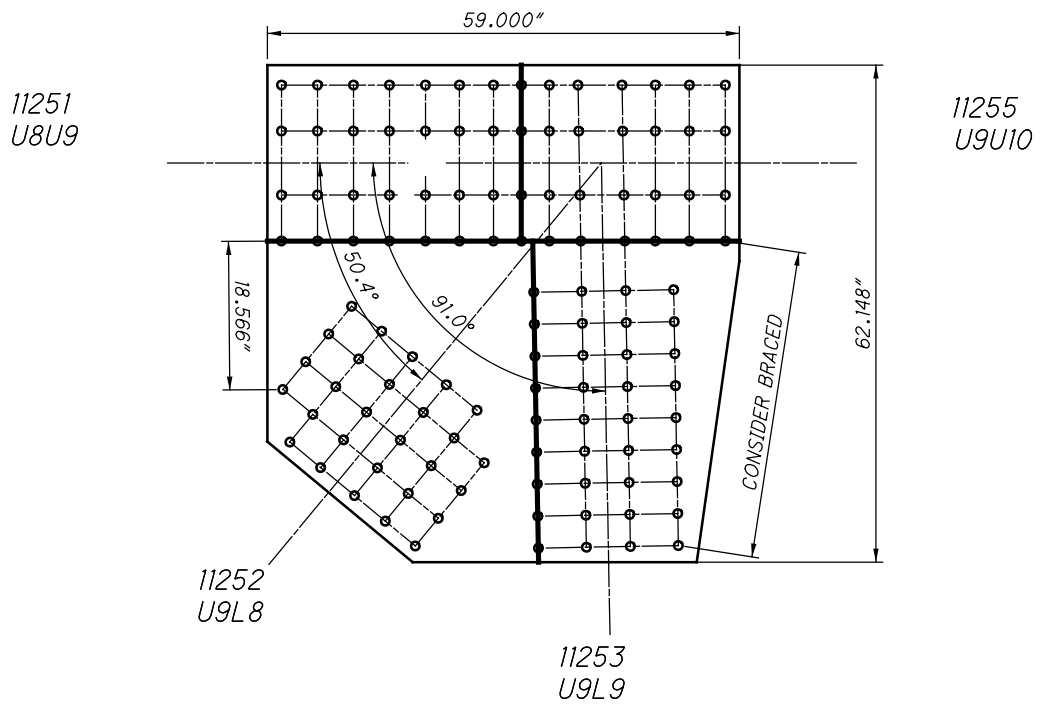
11252
U9L8

11253
U9L9

**U125 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

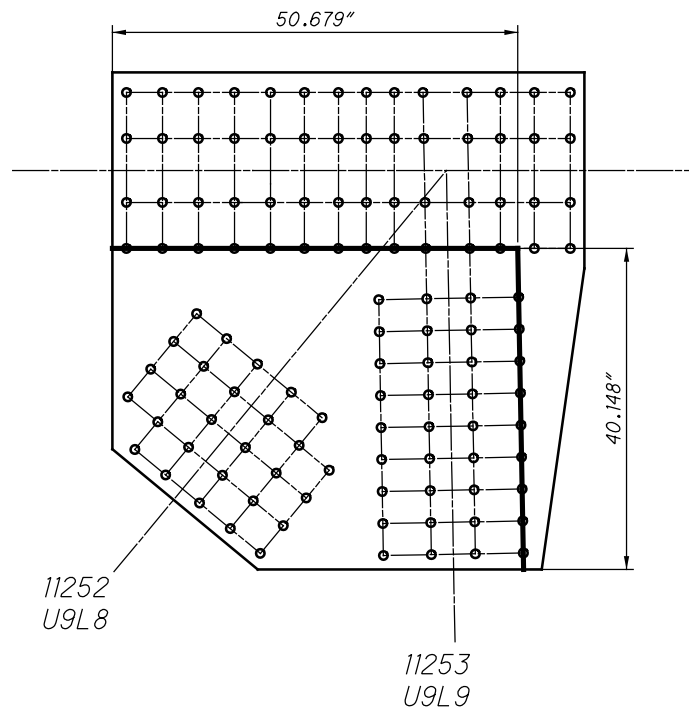


**U125 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



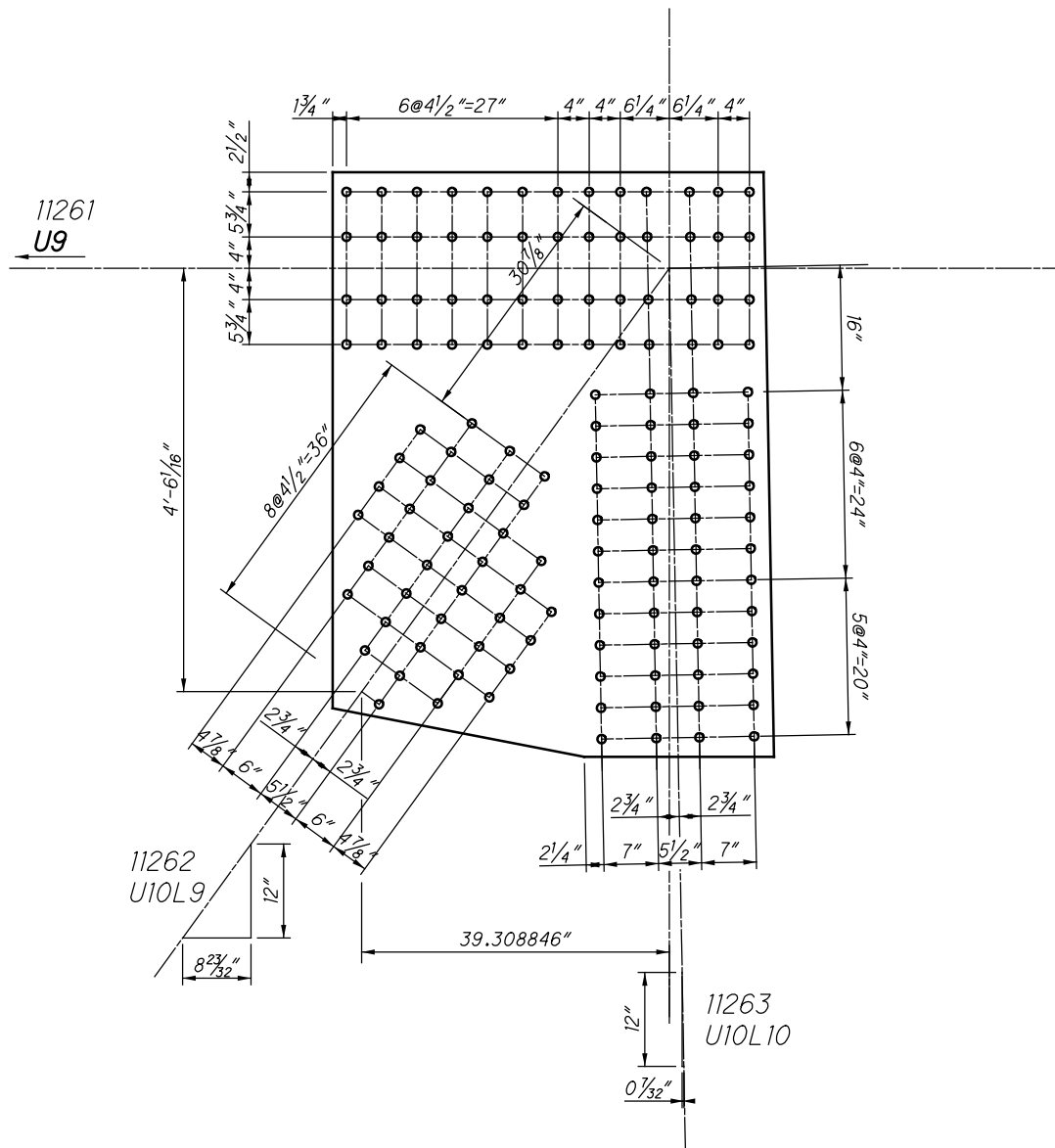
**U125 OUTSIDE
SHEAR AND FREE EDGE CHECK**

11251
U8U9



**U125 OUTSIDE
QUADRANT DIMENSIONS**

NOT APPLICABLE

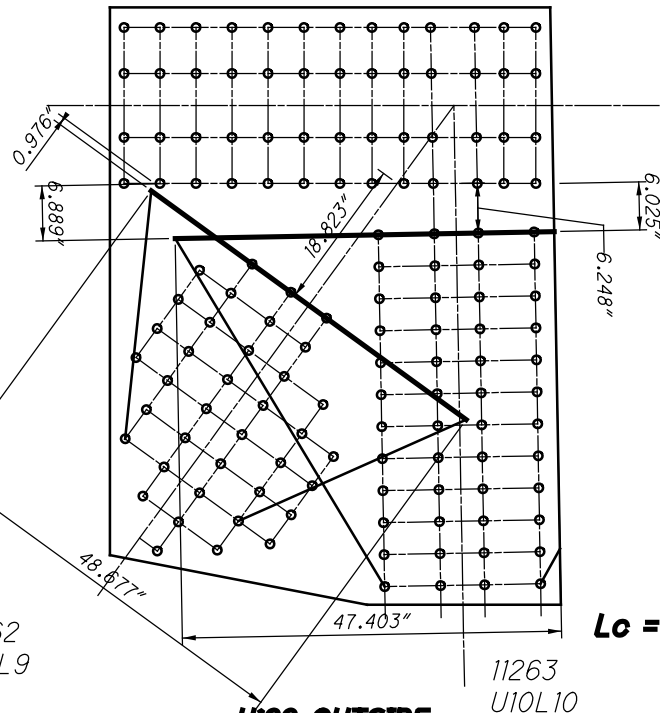


**U126 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

11261
U9U10

$L_c = 6.600''$

11262
U10L9



$L_c = 6.387''$

11263
U10L10

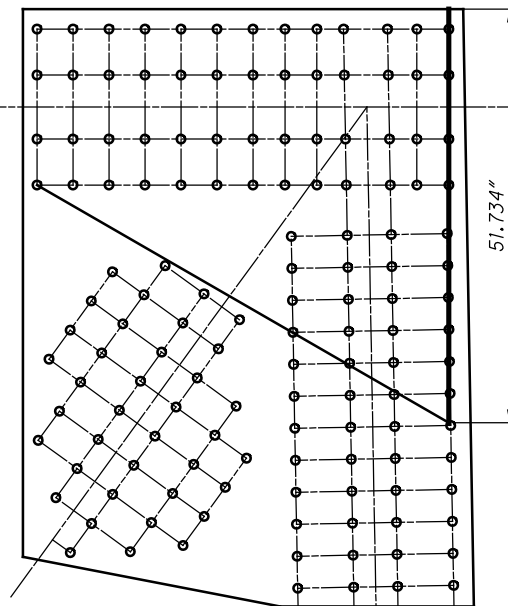
**U126 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

SAY $L_c = 0''$
CHORD FORCE RESISTED BY DIAGONAL
BEHIND THE WHITMORE SECTION

11261
U9U10

$L_c = 0.000''$

11262
U10L9



11263
U10L10

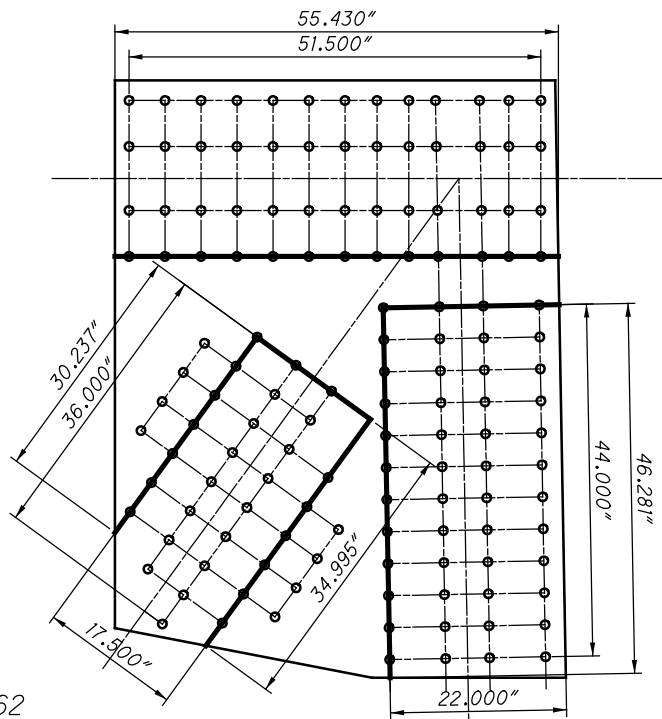
**U126 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11261
U9U10

11126 AND 41126

30 RIVETS
x 2 PLATES
=60 RIVETS

11262
U10L9



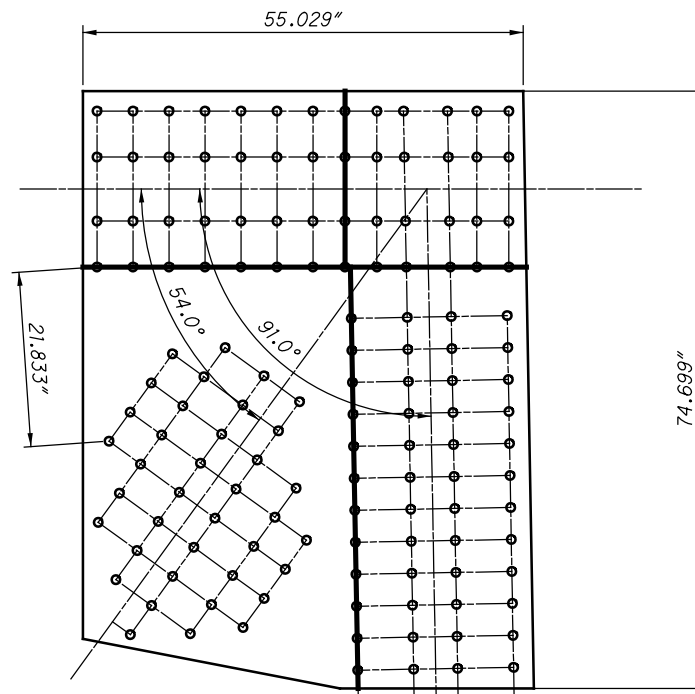
48 RIVETS
x 2 PLATES
=96 RIVETS

11263
U10L10

**U126 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11261
U9U10

11262
U10L9

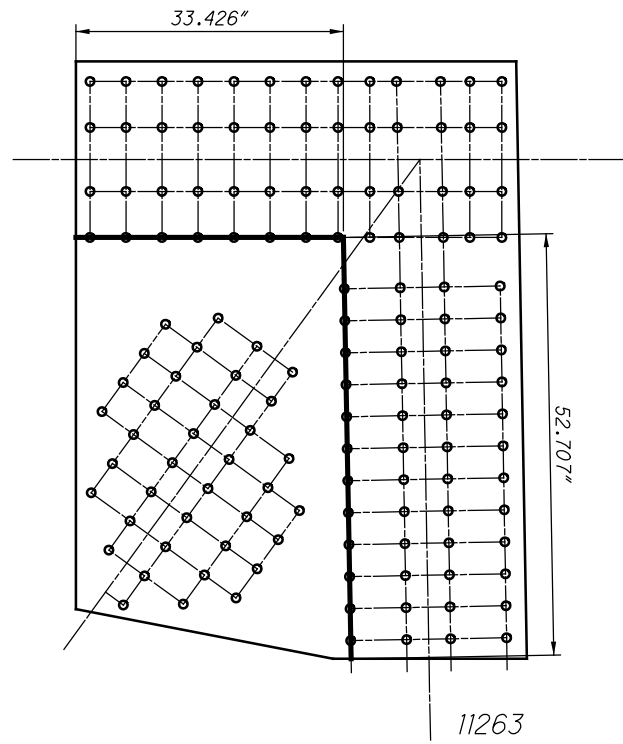


11263
U10L10

**U126 OUTSIDE
SHEAR AND FREE EDGE CHECK**

11261
U9U10

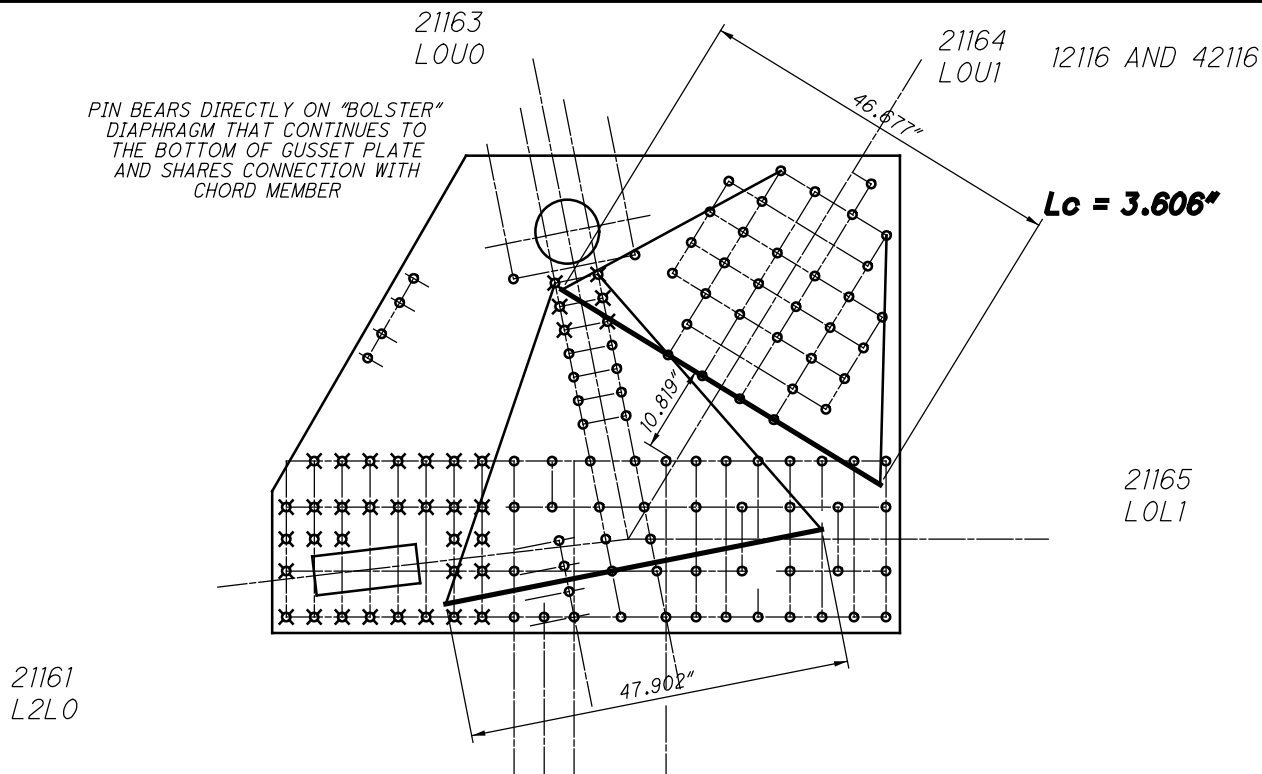
11126 AND 41126



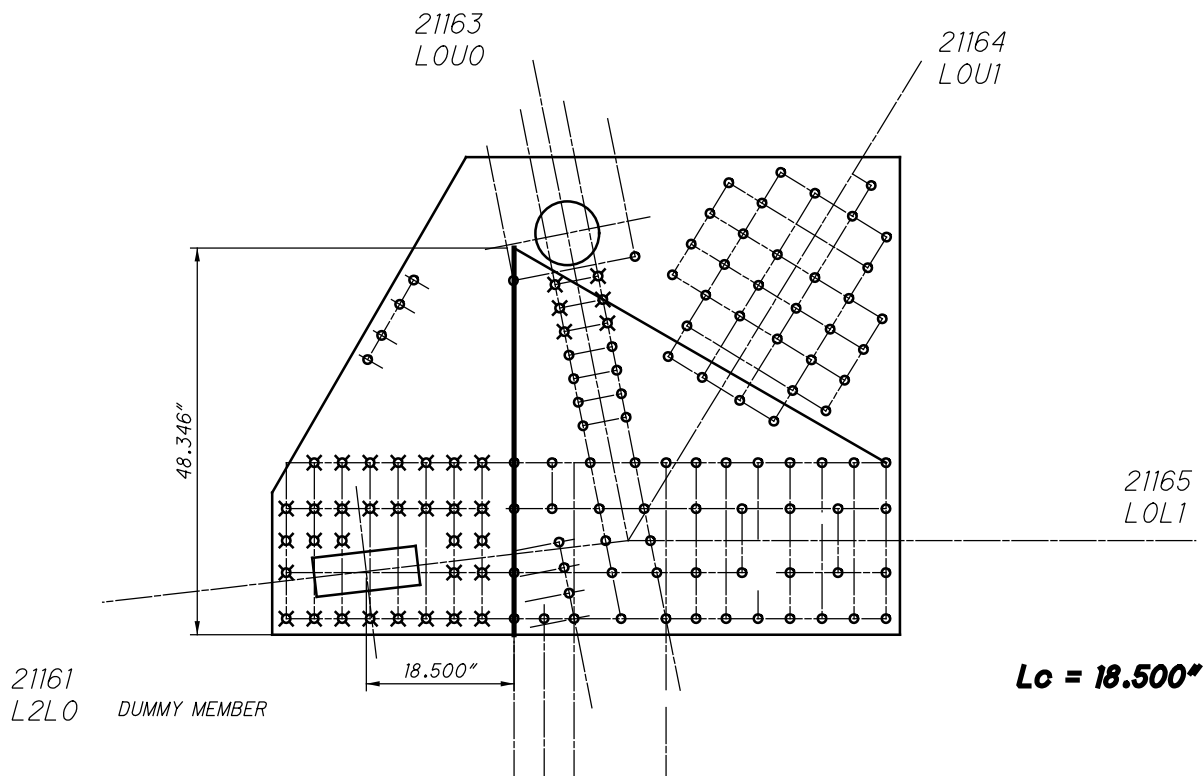
11262
U10L9

11263
U10L10

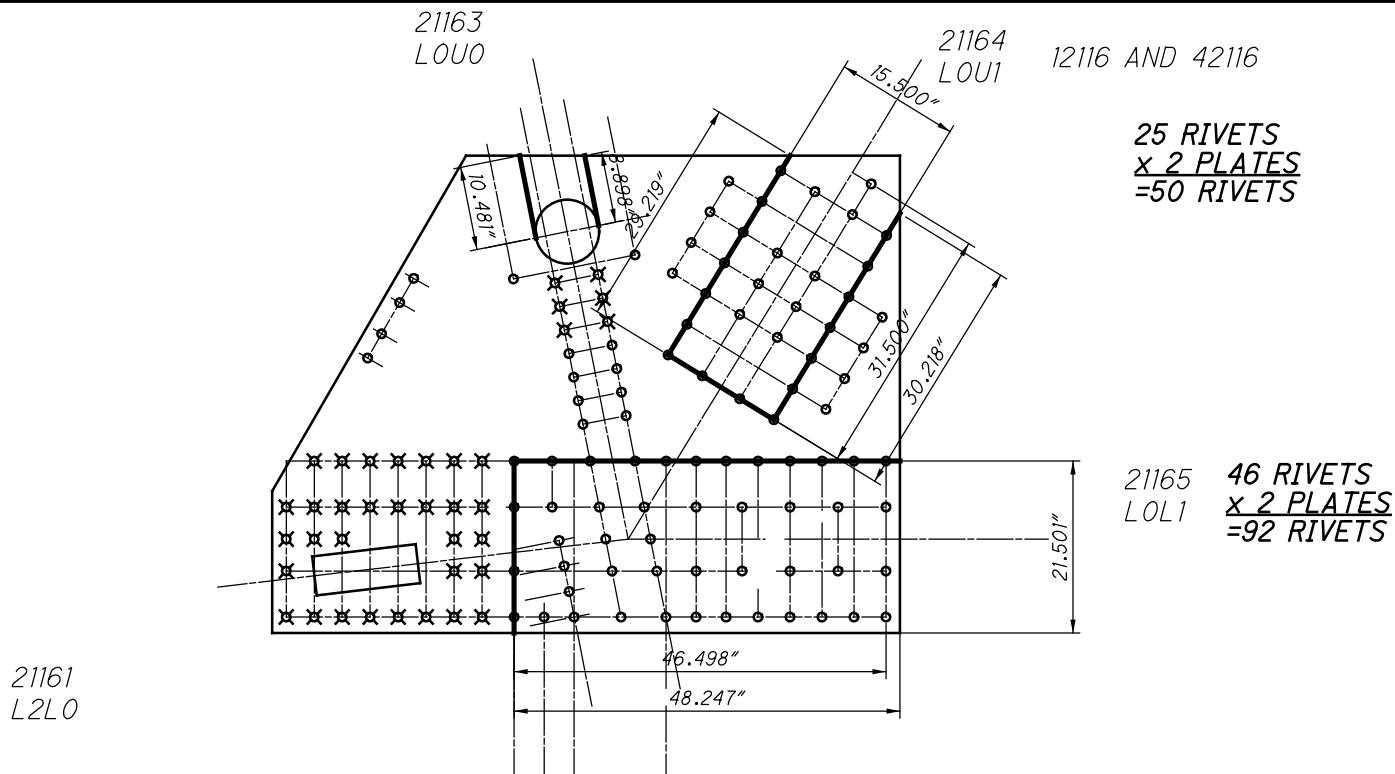
**U126 OUTSIDE
QUADRANT DIMENSIONS**



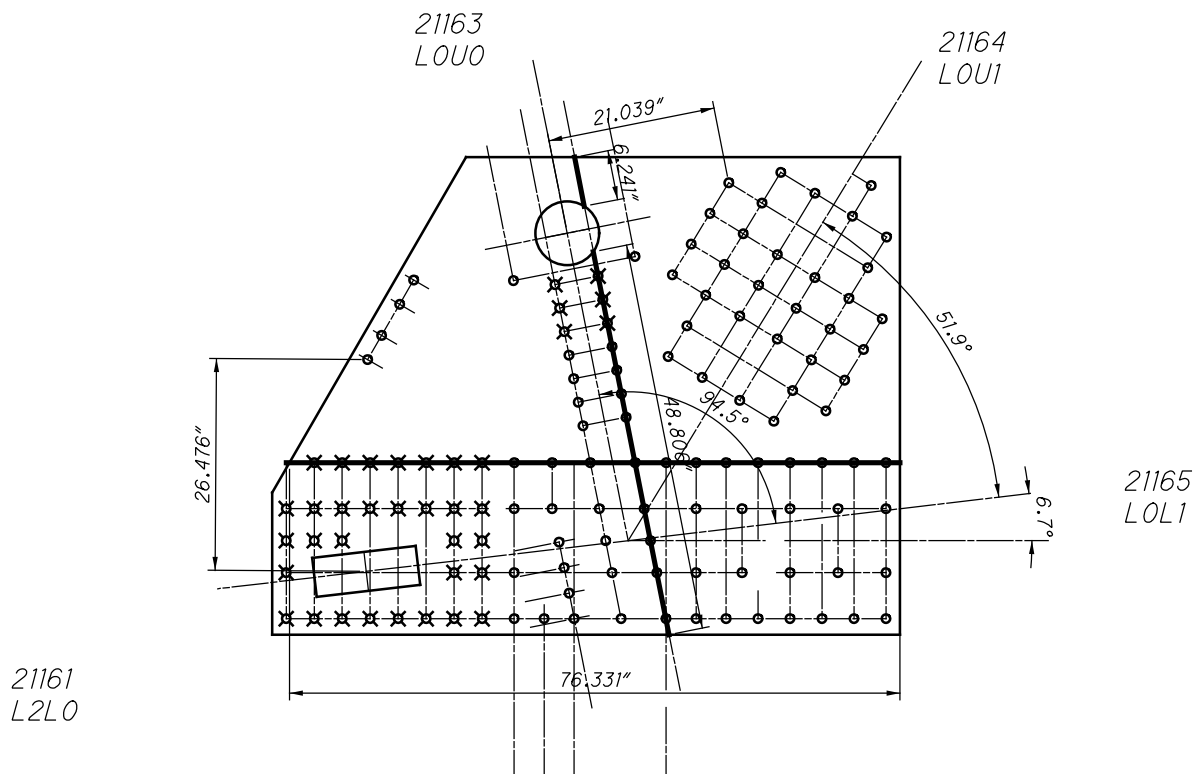
**L116 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



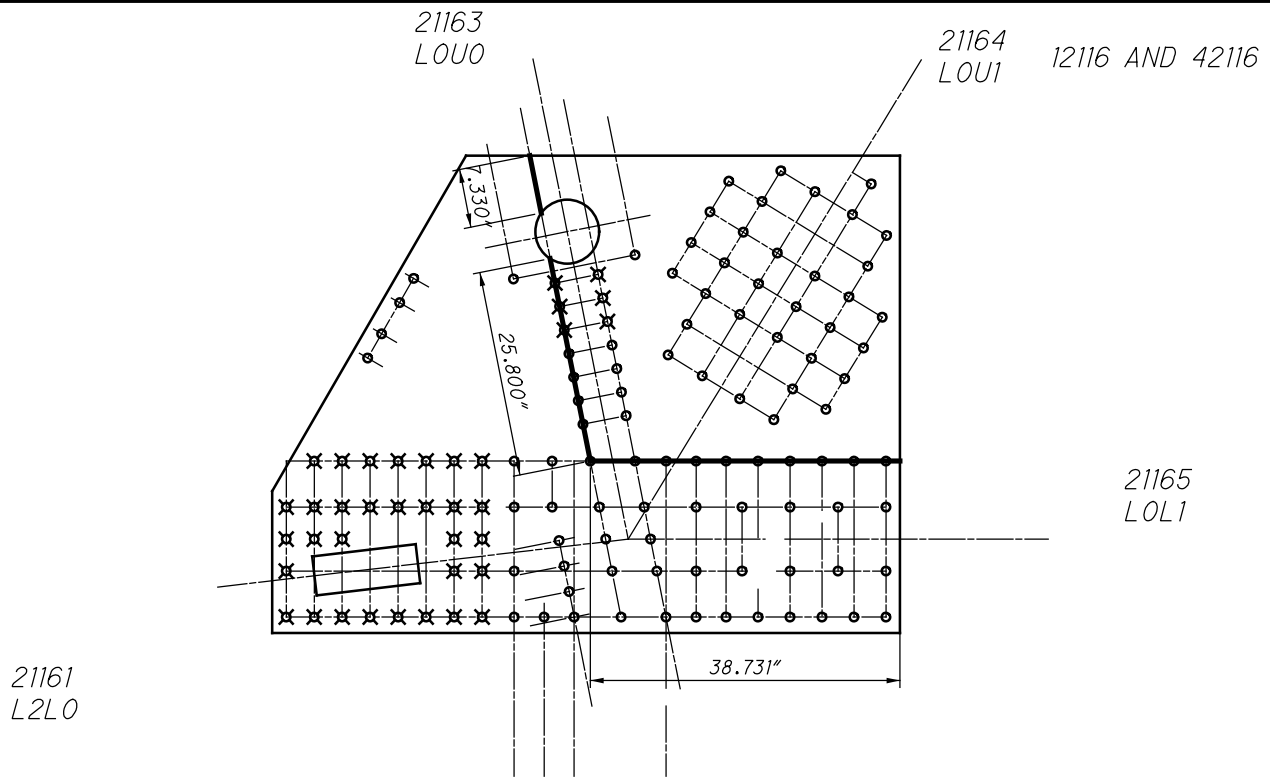
**L116 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L116 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

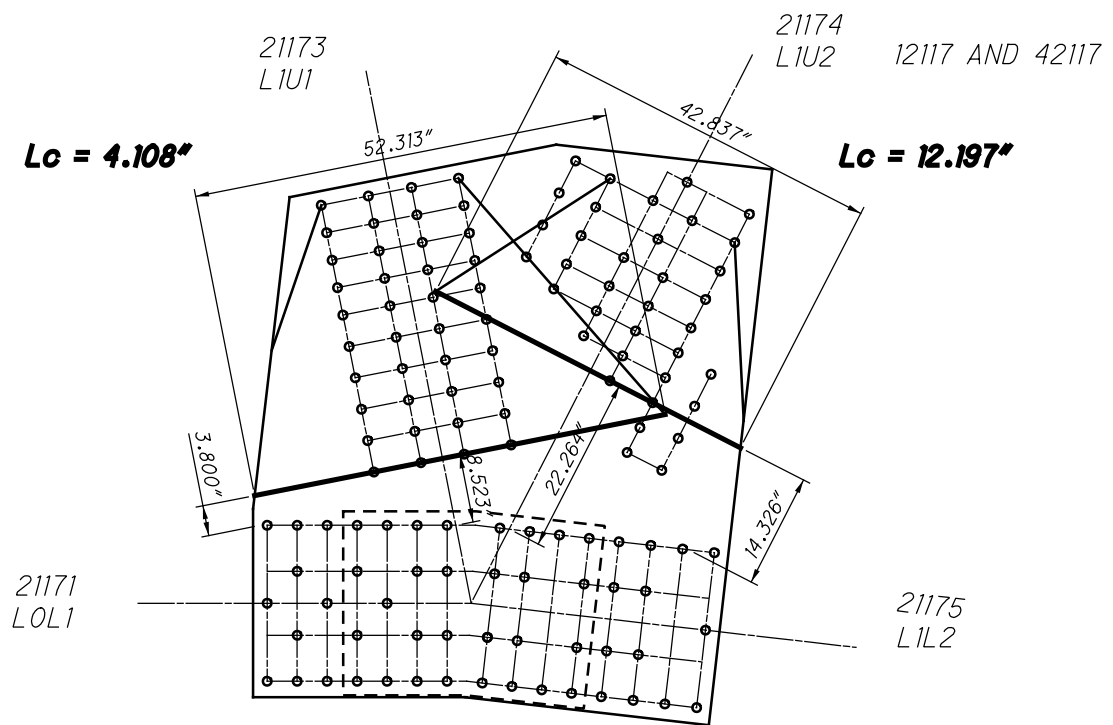


**L116 OUTSIDE
SHEAR AND FREE EDGE CHECK**

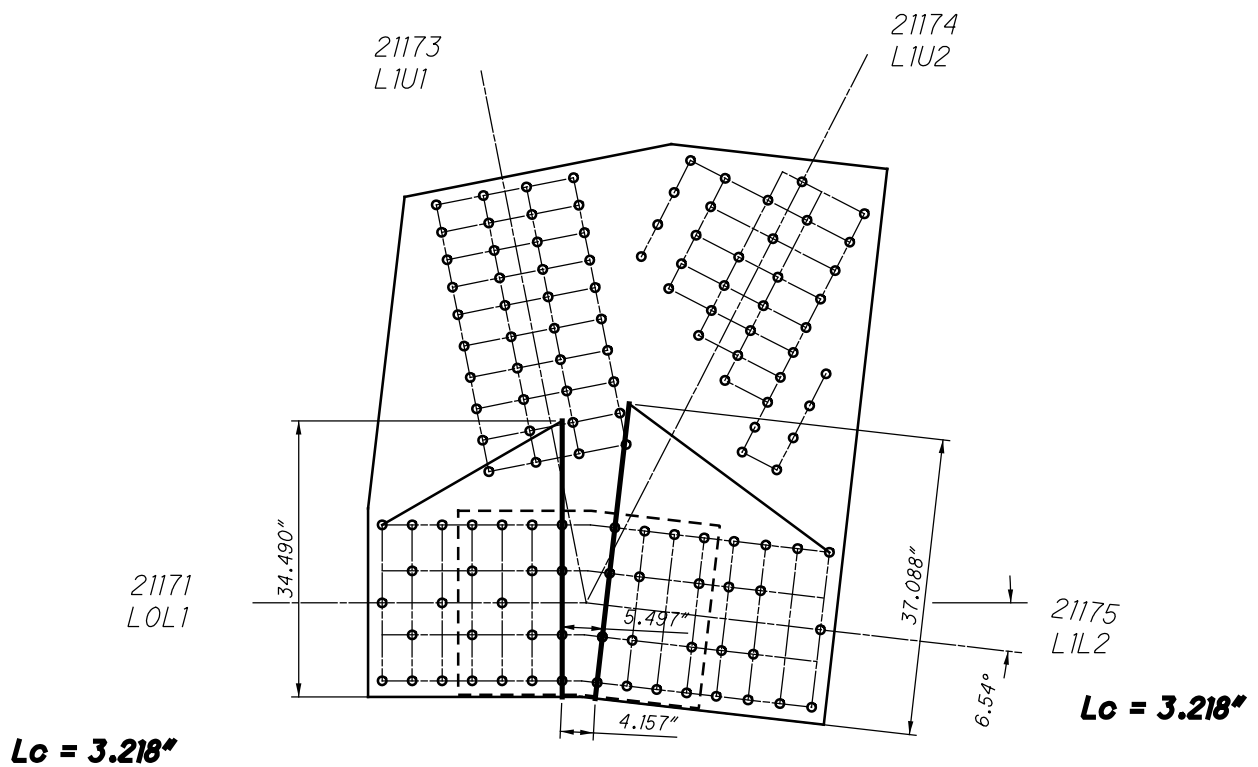


**L116 OUTSIDE
QUADRANT DIMENSIONS**





**L117 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L117 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

40 RIVETS
x 2 PLATES
=80 RIVETS

21173
L1U1

21174
L1U2

12117 AND 42117

28 RIVETS
x 2 PLATES
=56 RIVETS

25 RIVETS
x 2 PLATES
=50 RIVETS

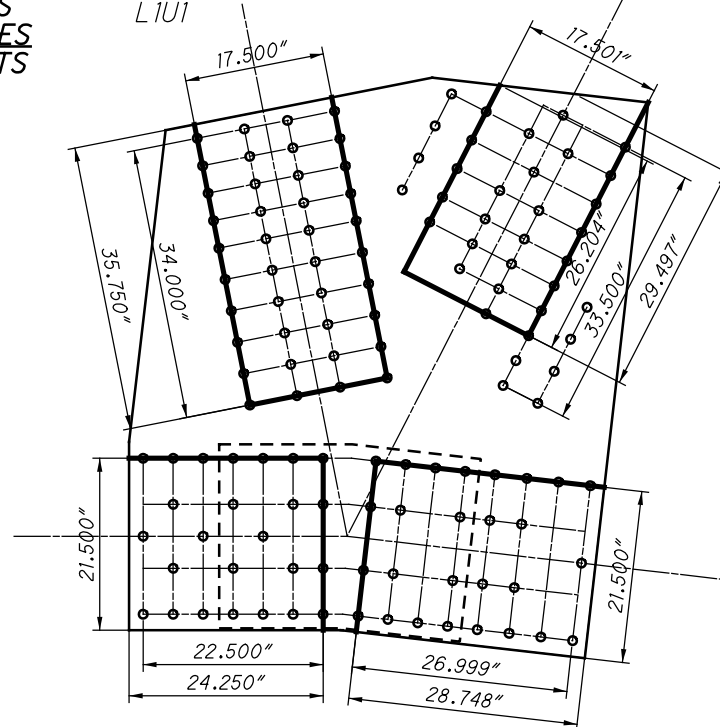
21171
L0L1

15 SPLICE P
x 2 PLATES
=30 RIVETS

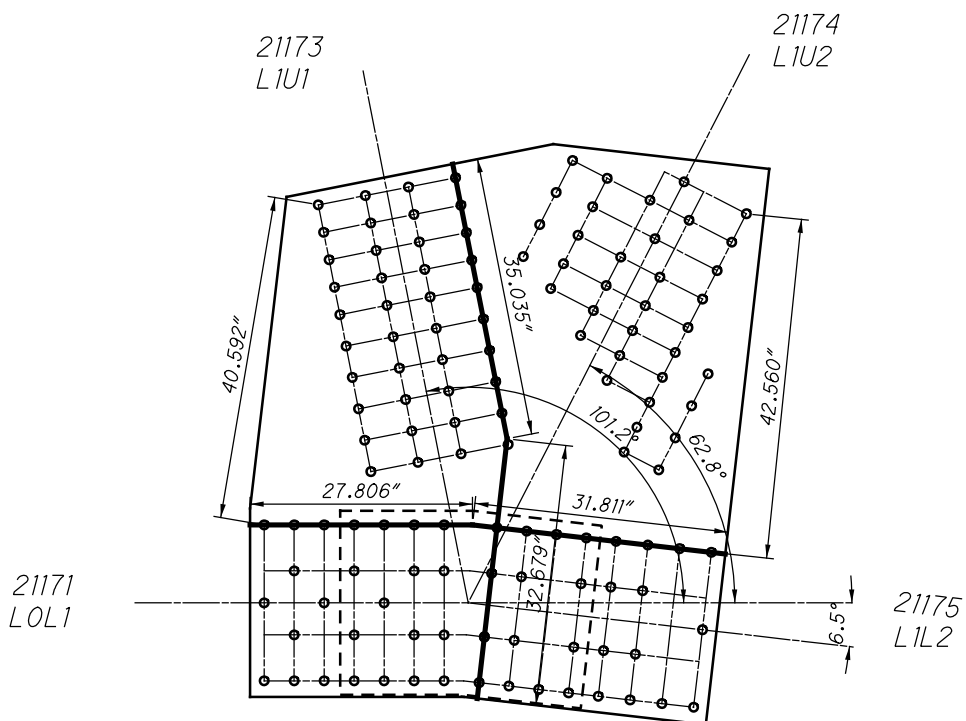
21175
L1L2

27 RIVETS
x 2 PLATES
=54 RIVETS

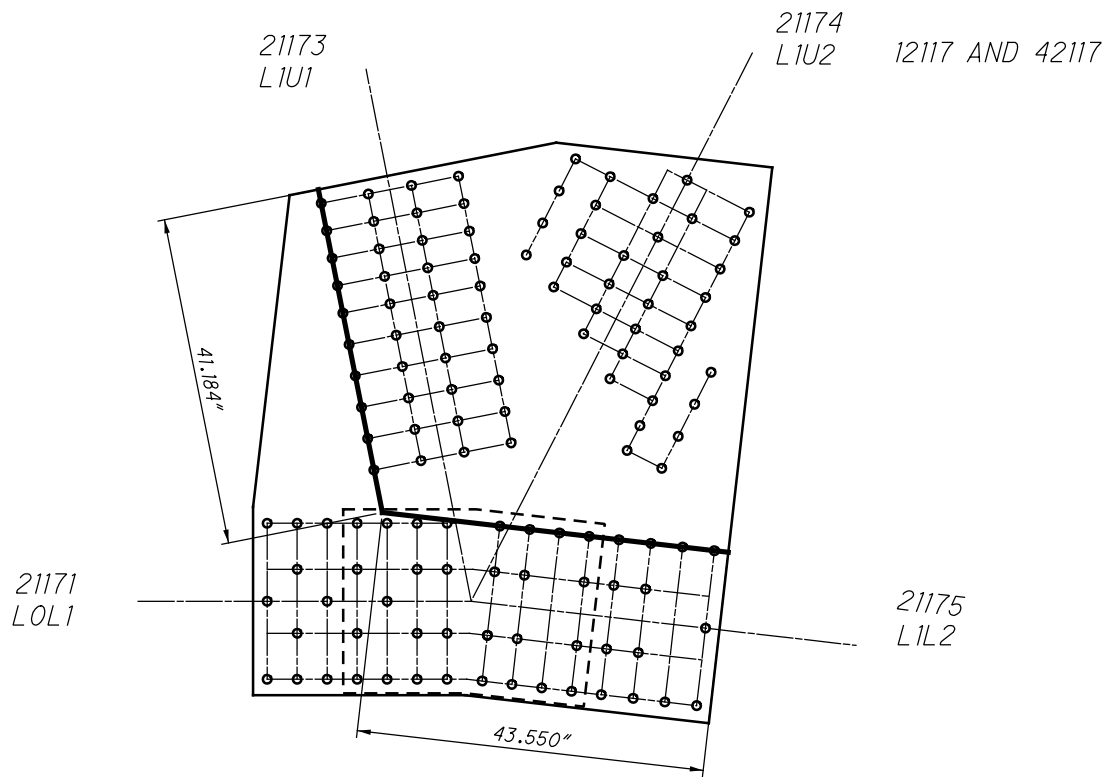
14 SPLICE P
x 2 PLATES
=28 RIVETS



**L117 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



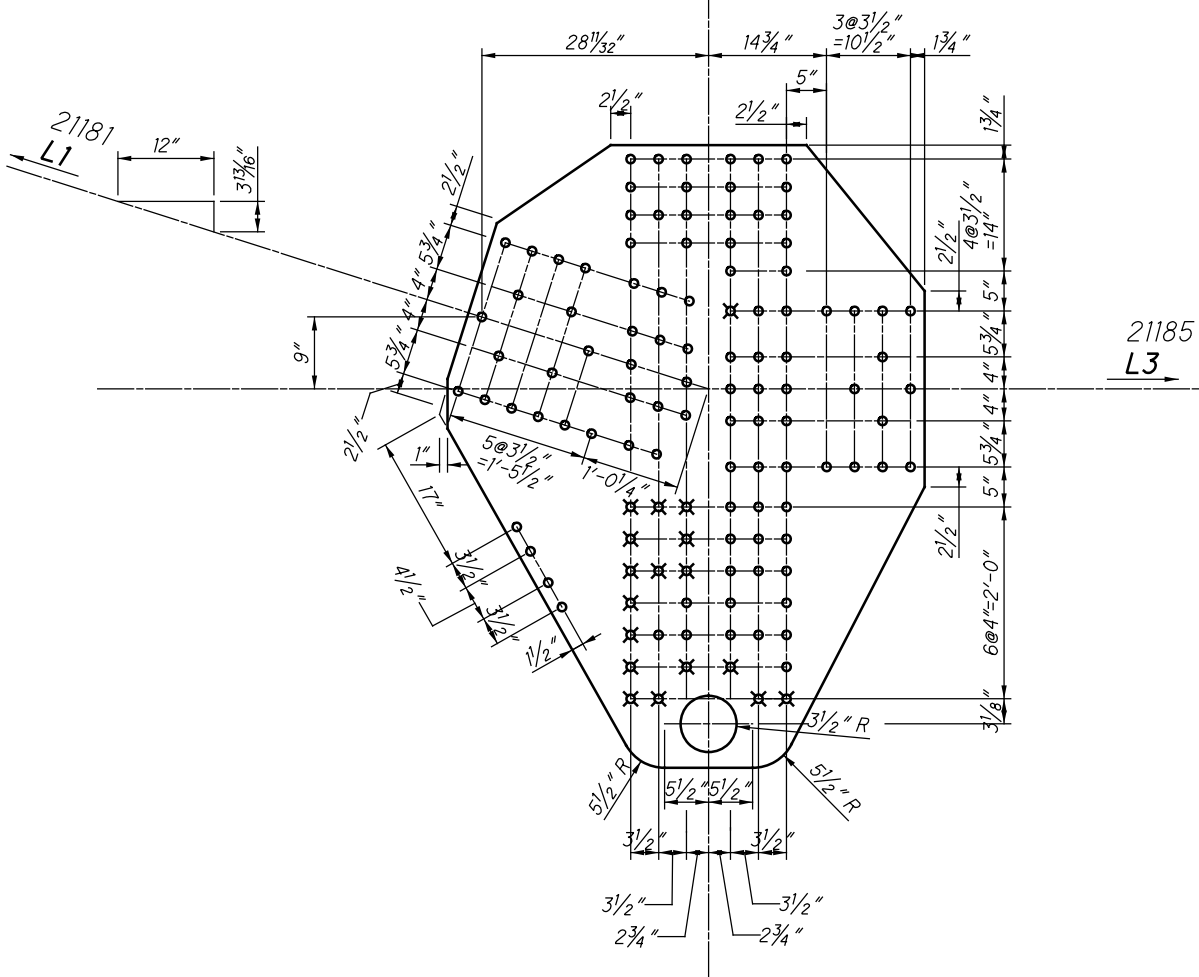
**L117 OUTSIDE
SHEAR AND FREE EDGE CHECK**



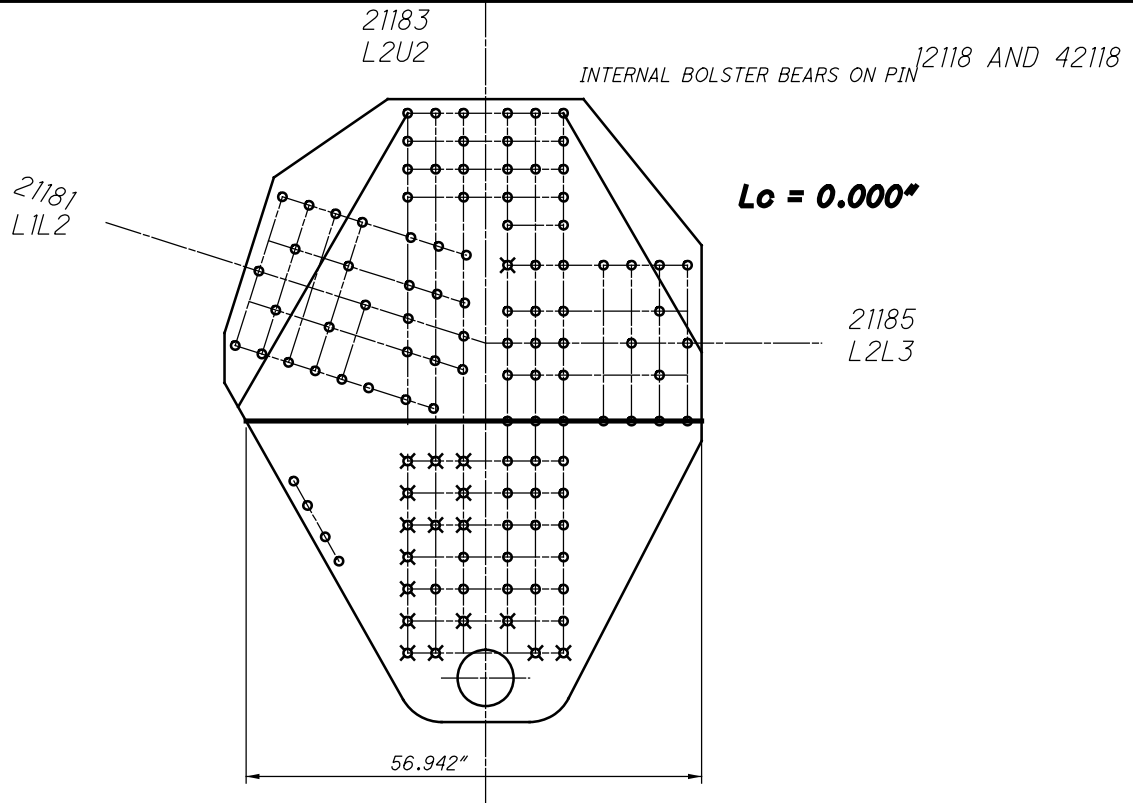
**L117 OUTSIDE
QUADRANT DIMENSIONS**

21183
L2U2

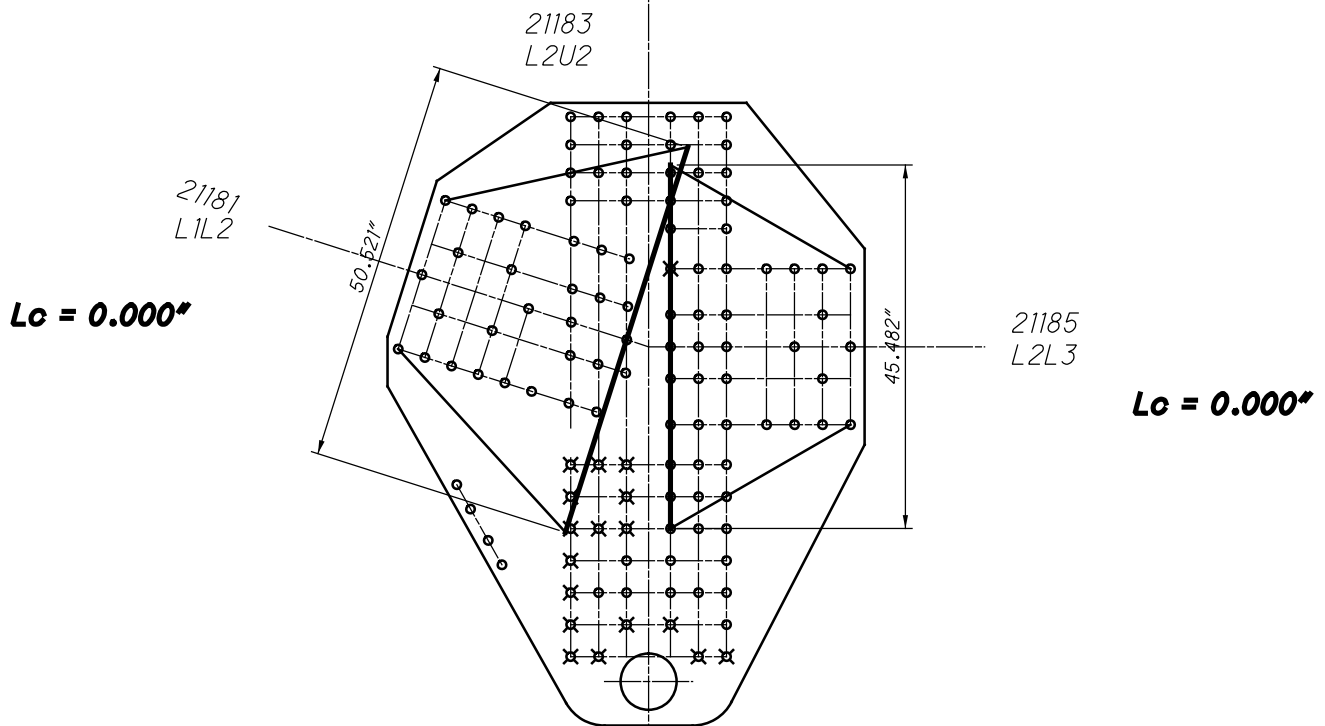
12118 AND 42118



**L118 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**L118 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L118 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

29 RIVETS
x 2 PLATES
=58 RIVETS

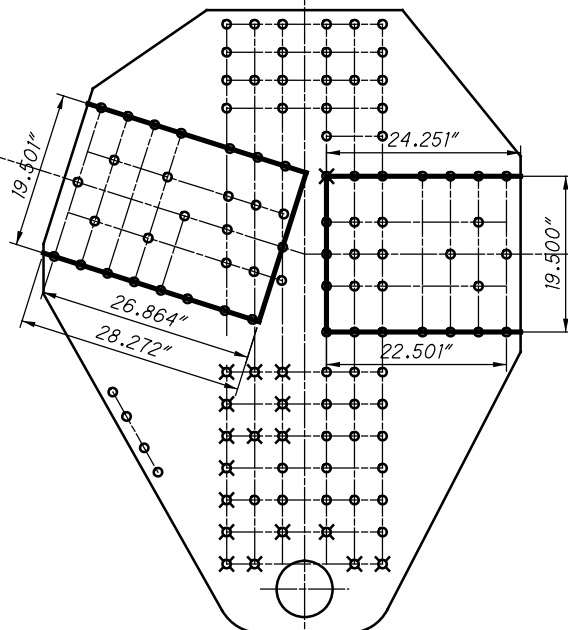
21183
L2U2

12118 AND 42118

21181
L1L2

27 RIVETS
x 2 PLATES
=54 RIVETS

21185
L2L3

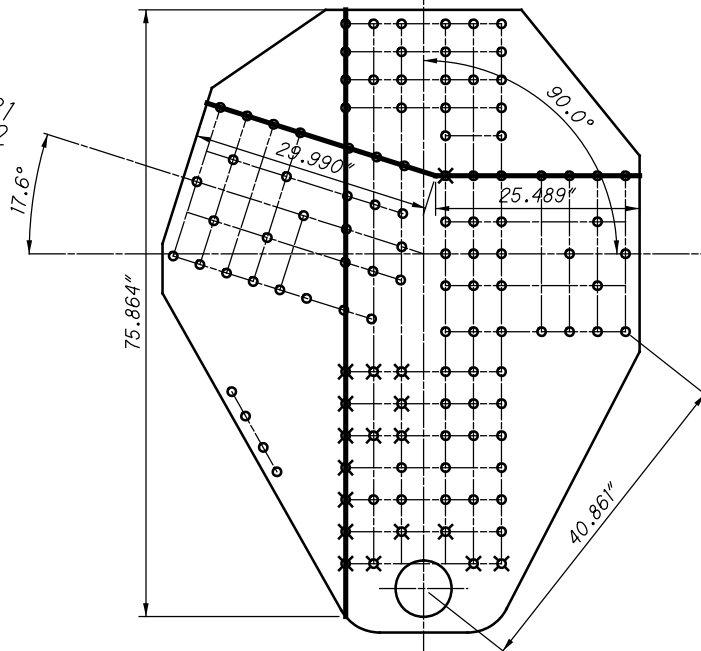


**L118 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

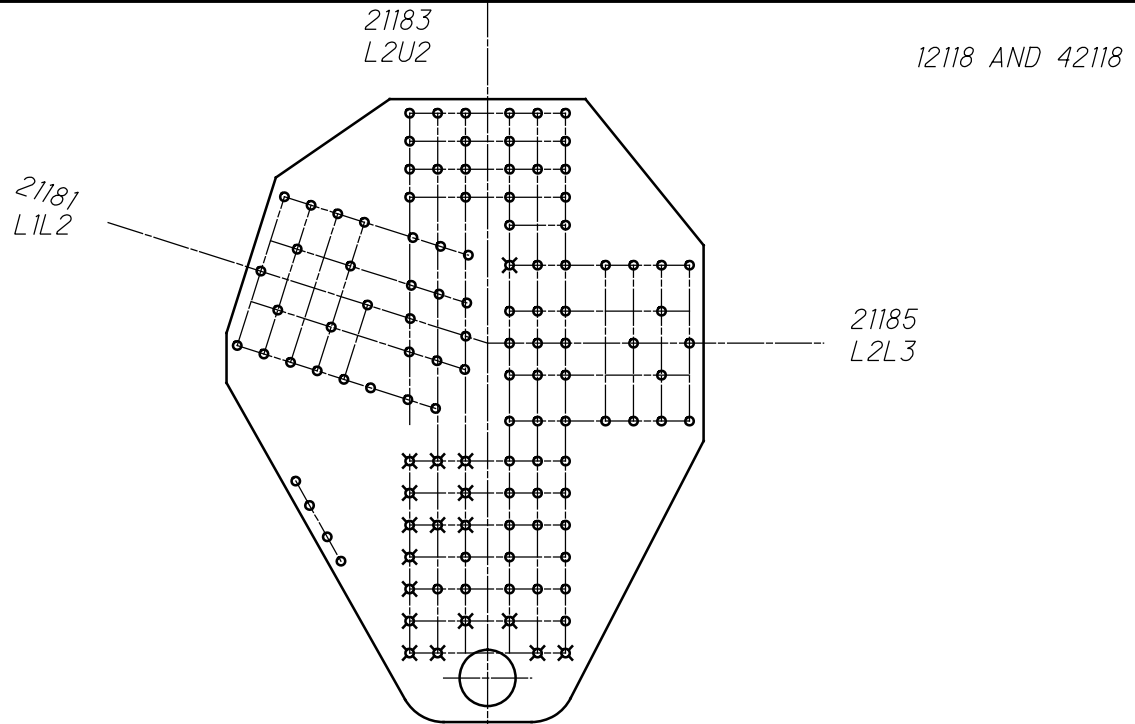
21183
L2U2

21181
L1L2

21185
L2L3

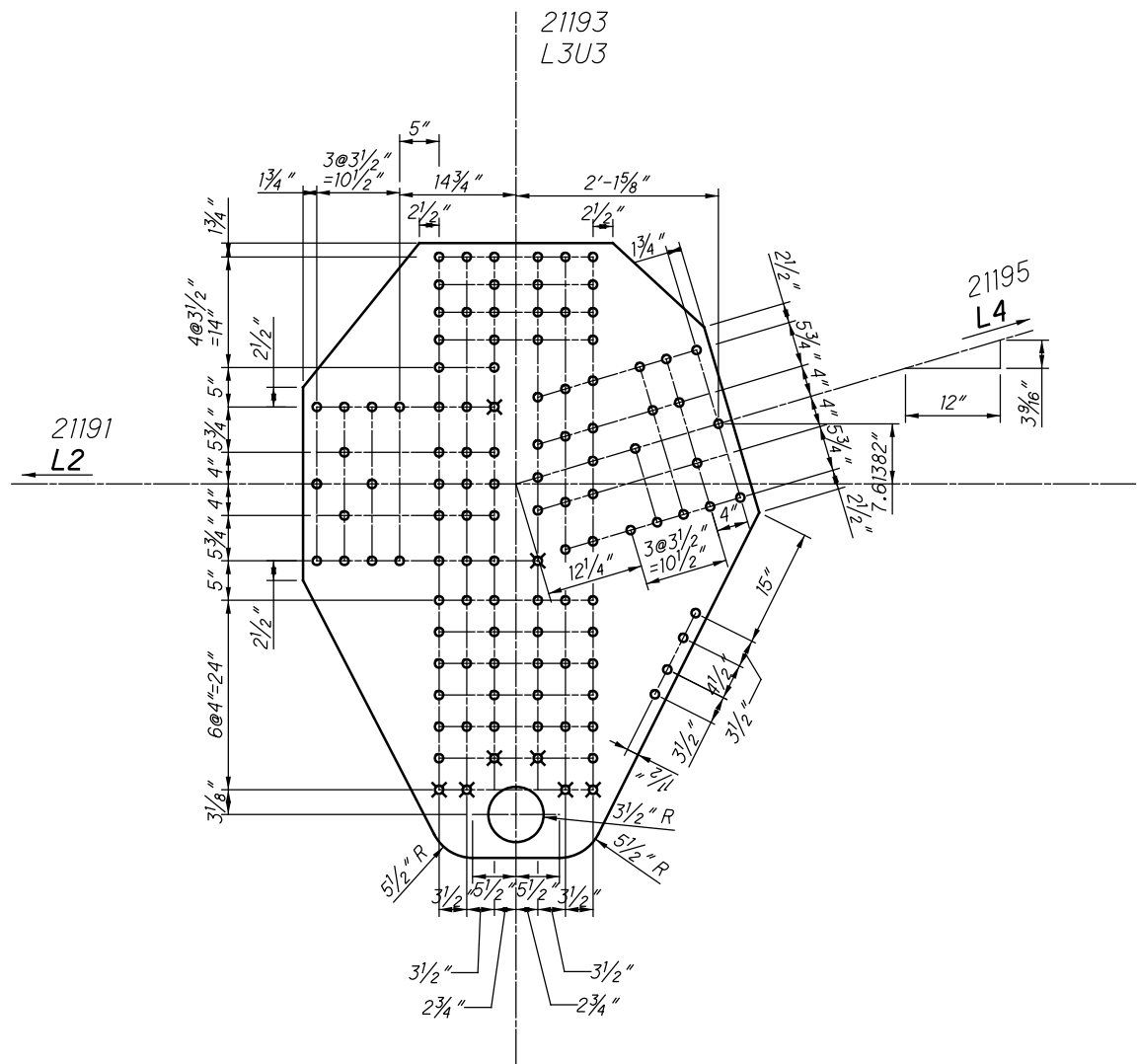


**L118 OUTSIDE
SHEAR AND FREE EDGE CHECK**

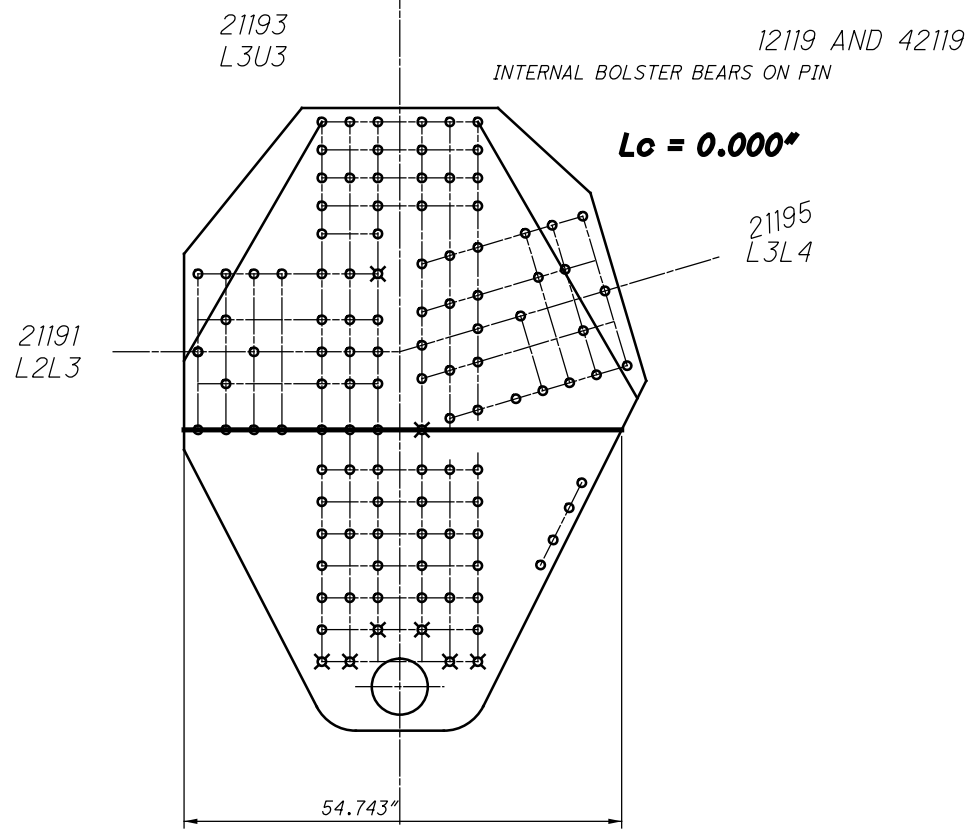


**L118 OUTSIDE
QUADRANT DIMENSIONS**

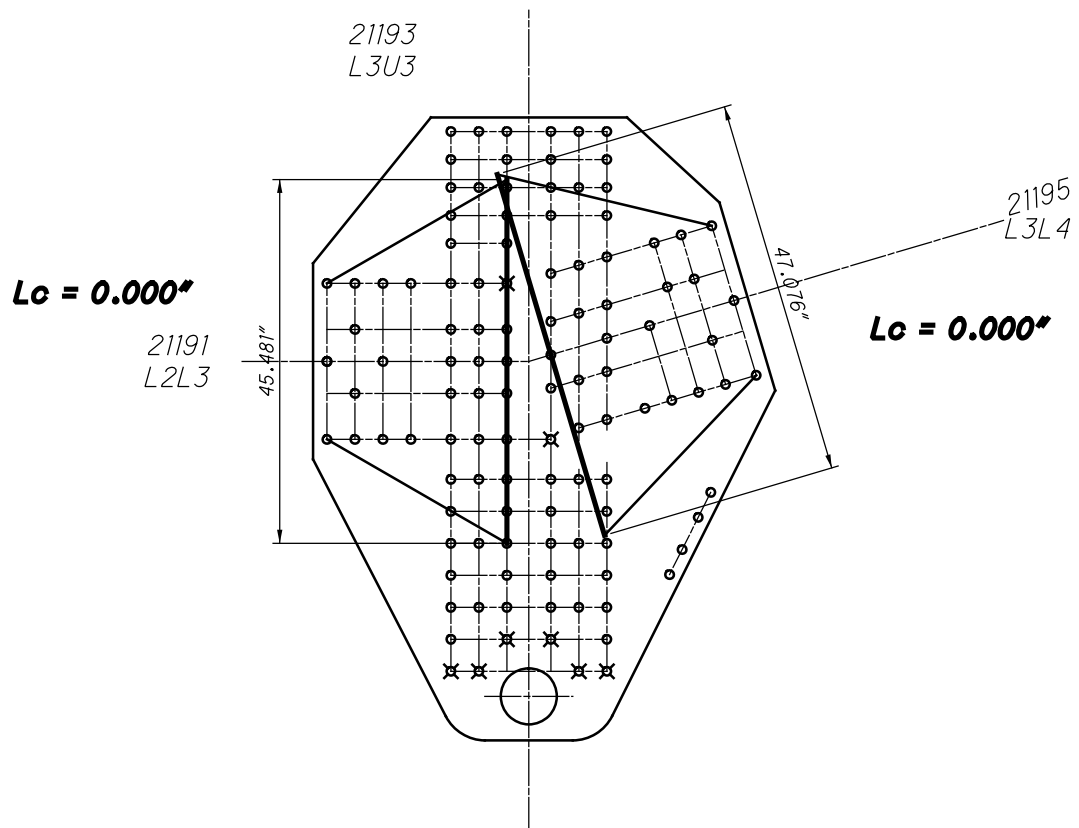
VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORDS ARE IN COMPRESSION



**L119 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**L119 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L119 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

27 RIVETS
x 2 PLATES
=54 RIVETS

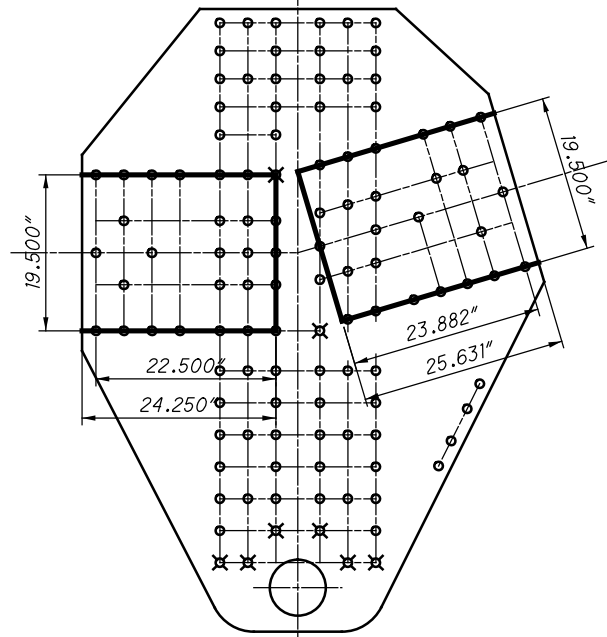
21191
L2L3

21193
L3U3

12119 AND 42119

21195
L3L4

27 RIVETS
x 2 PLATES
=54 RIVETS

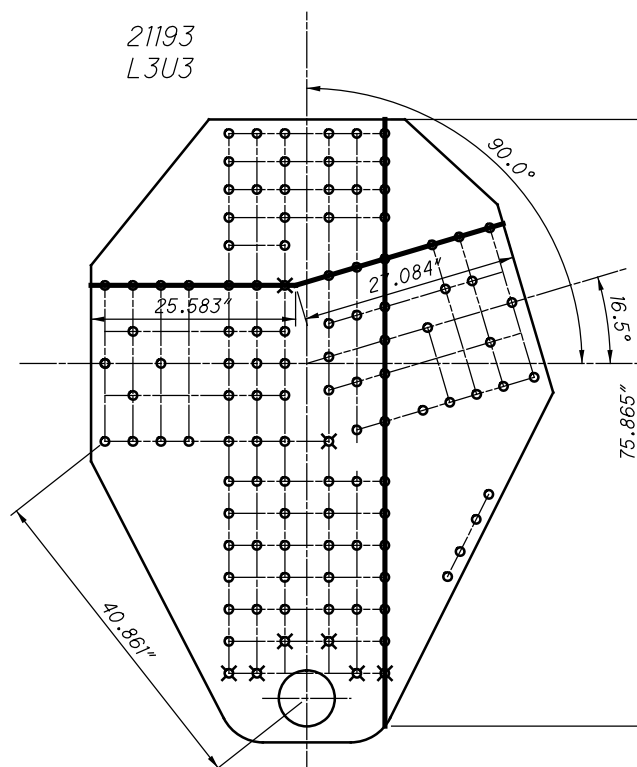


**L119 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

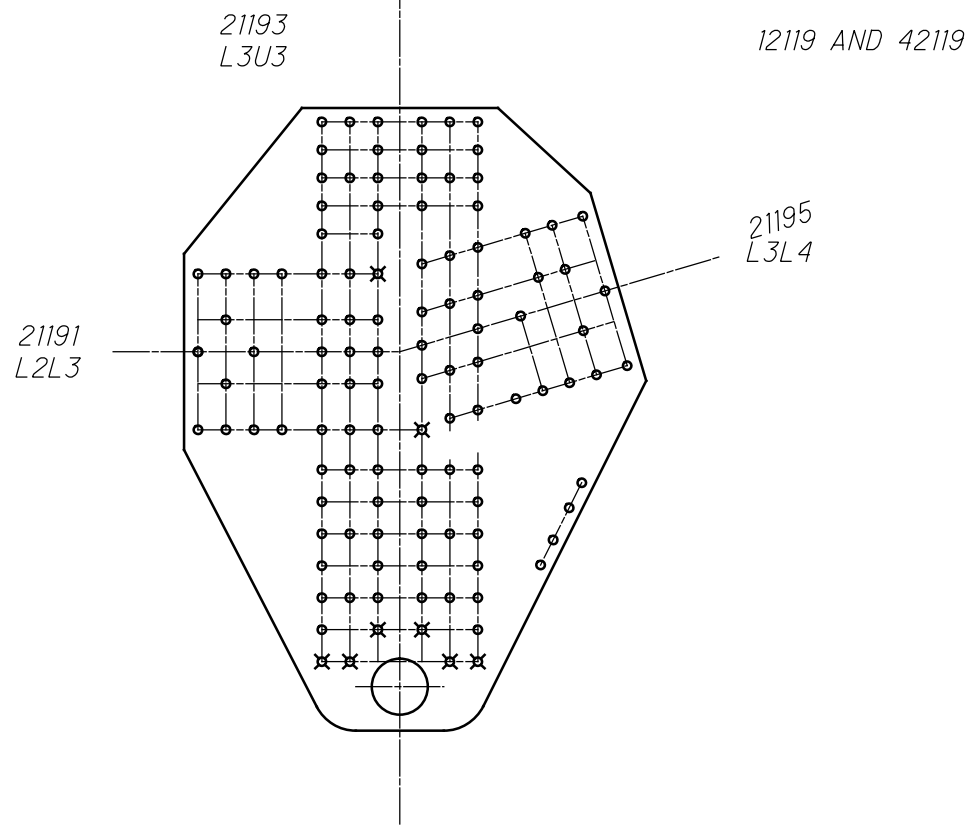
21191
L2L3

21193
L3U3

21195
L3L4

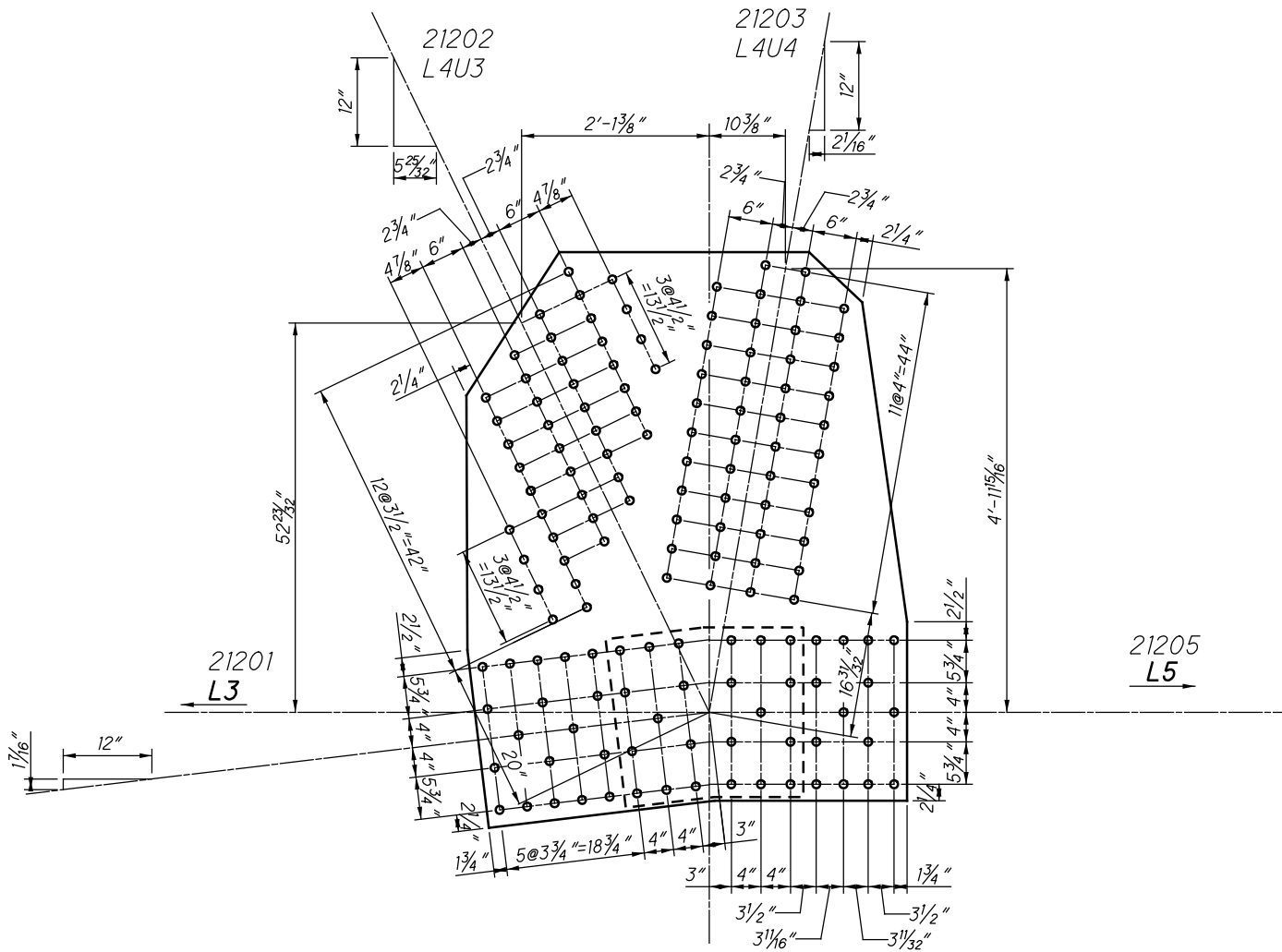


**L119 OUTSIDE
SHEAR AND FREE EDGE CHECK**



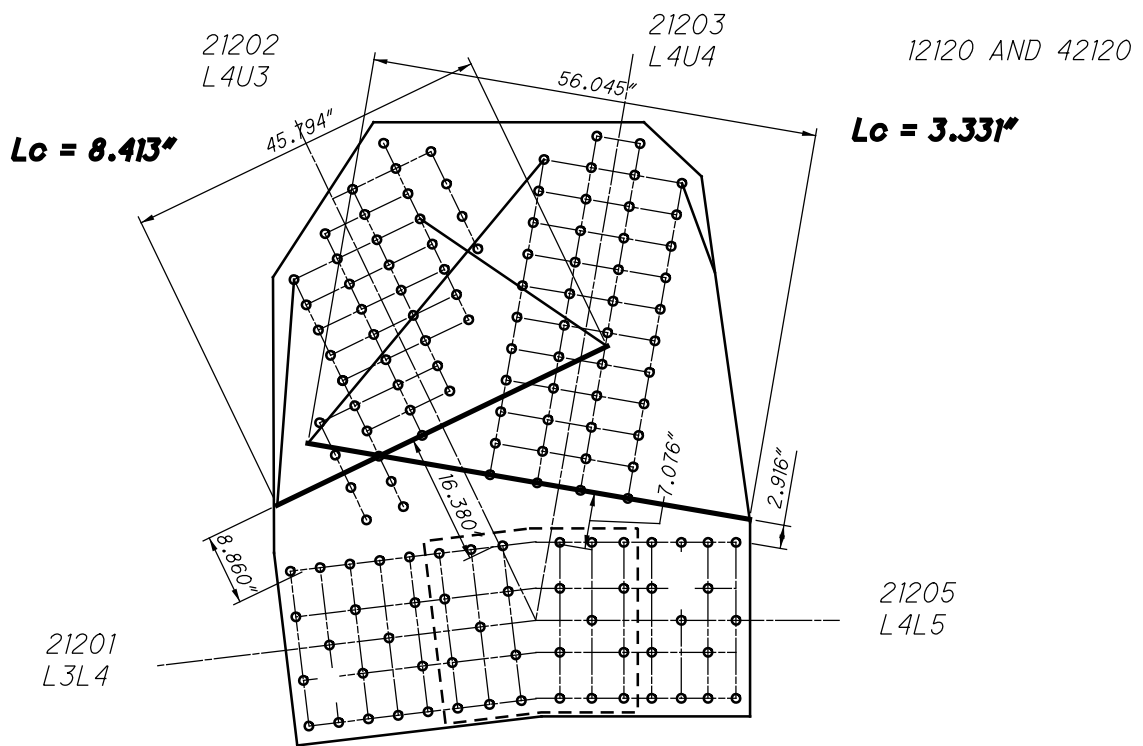
**L119 OUTSIDE
QUADRANT DIMENSIONS**

VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORDS ARE IN COMPRESSION

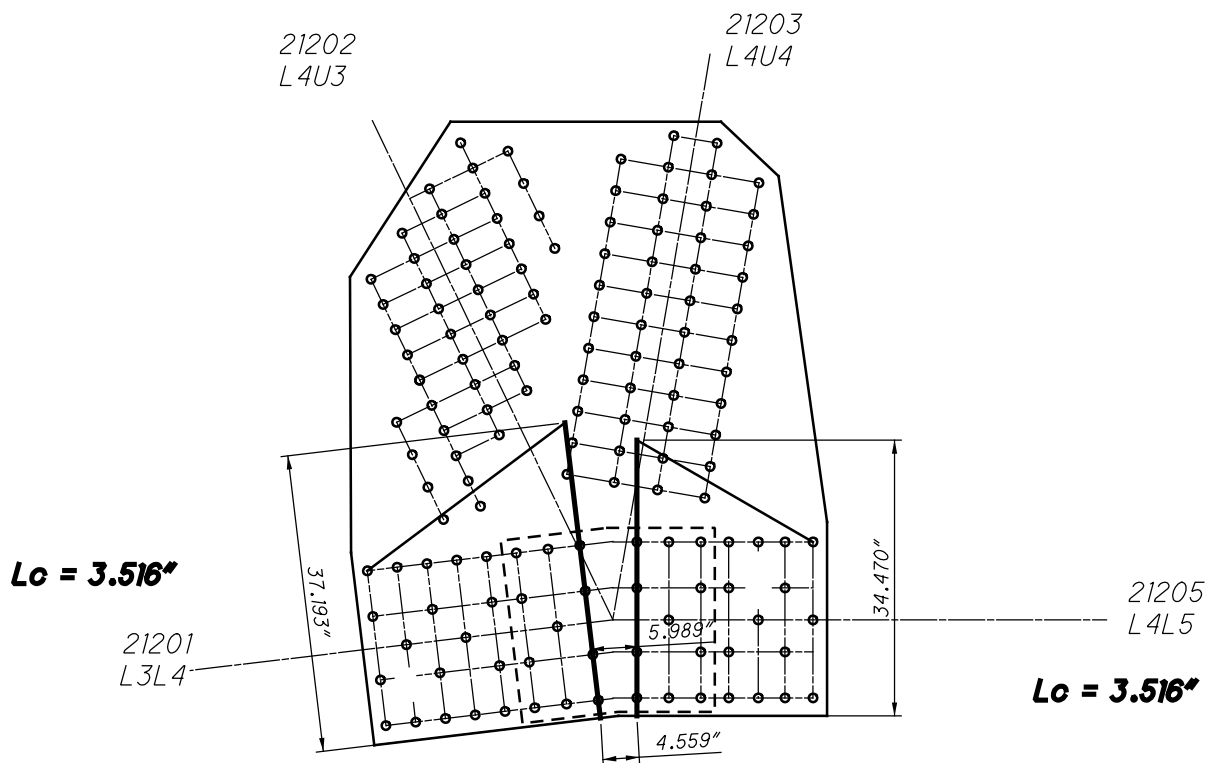


SPLICE PLATE
24 1/2" X 3/8" X 2'-2 3/4"

**L120 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**L120 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L120 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

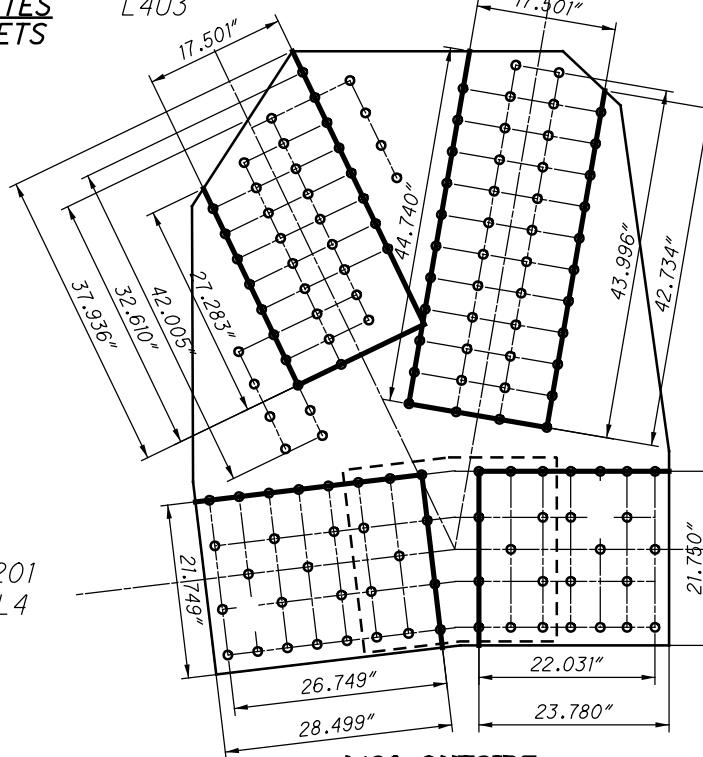
36 RIVETS
x 2 PLATES
=72 RIVETS

21202
L4U3

21203
L4U4

12120 AND 42120

46 RIVETS
x 2 PLATES
=92 RIVETS



25 RIVETS
x 2 PLATES
=50 RIVETS

21205
L4L5

11 SPLICE P
x 2 PLATES
=22 RIVETS

29 RIVETS
x 2 PLATES
=58 RIVETS

21201
L3L4

11 SPLICE P
x 2 PLATES
=22 RIVETS

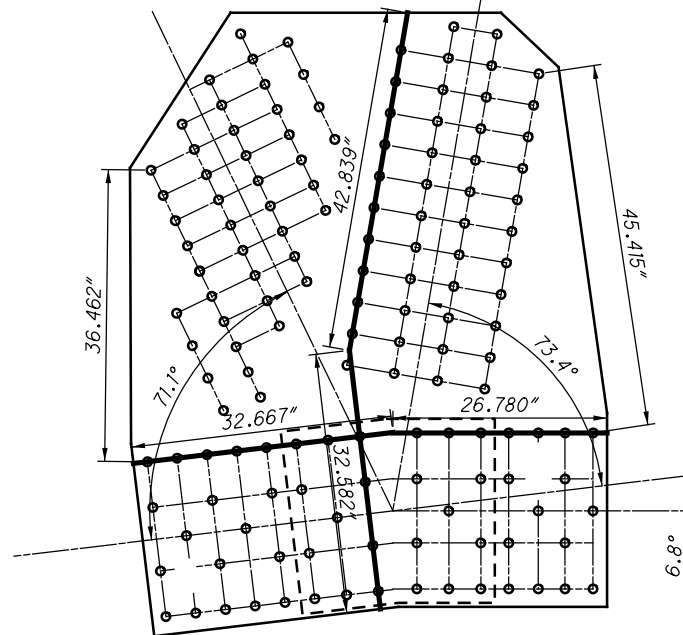
**L120 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21202
L4U3

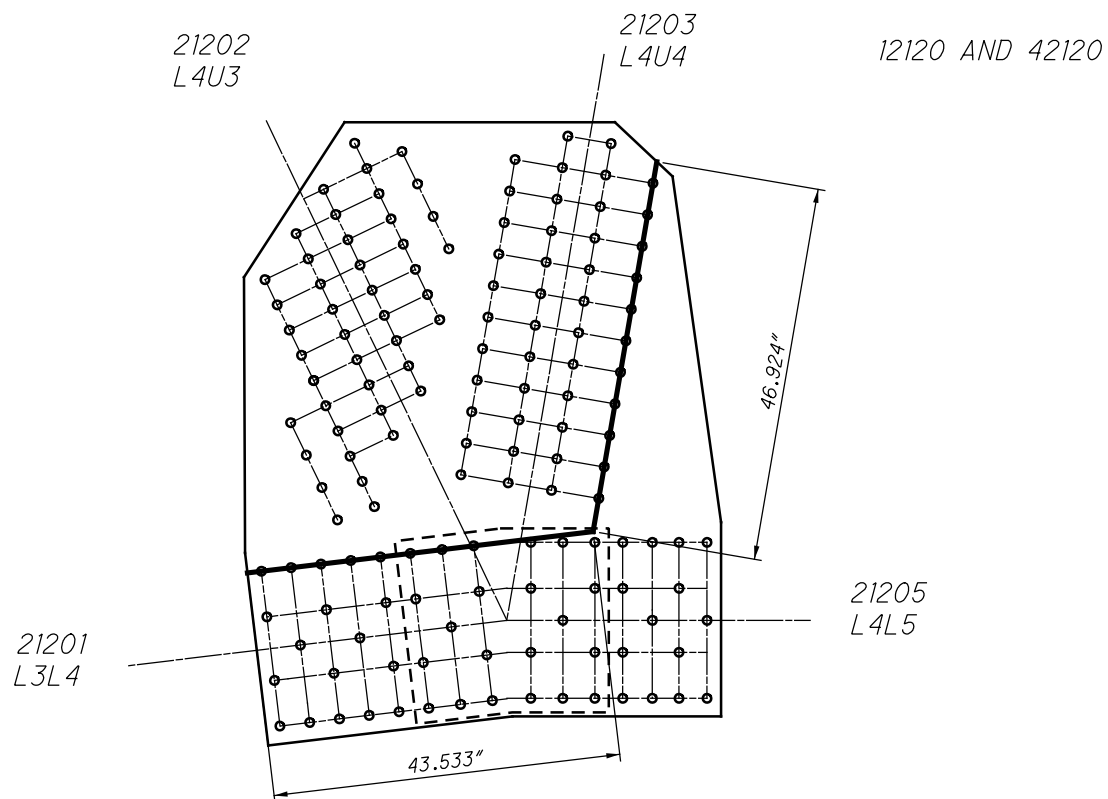
21203
L4U4

21201
L3L4

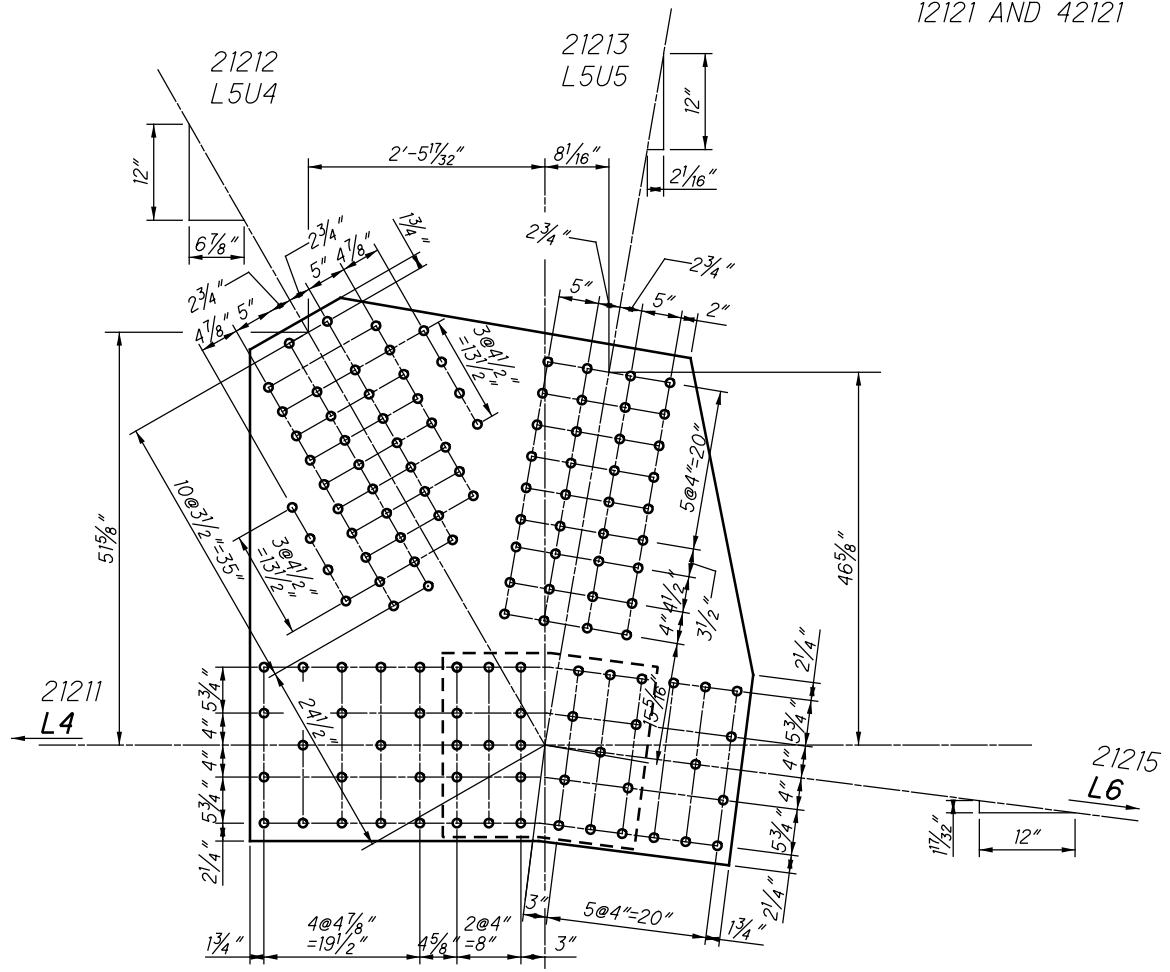
21205
L4L5



**L120 OUTSIDE
SHEAR AND FREE EDGE CHECK**

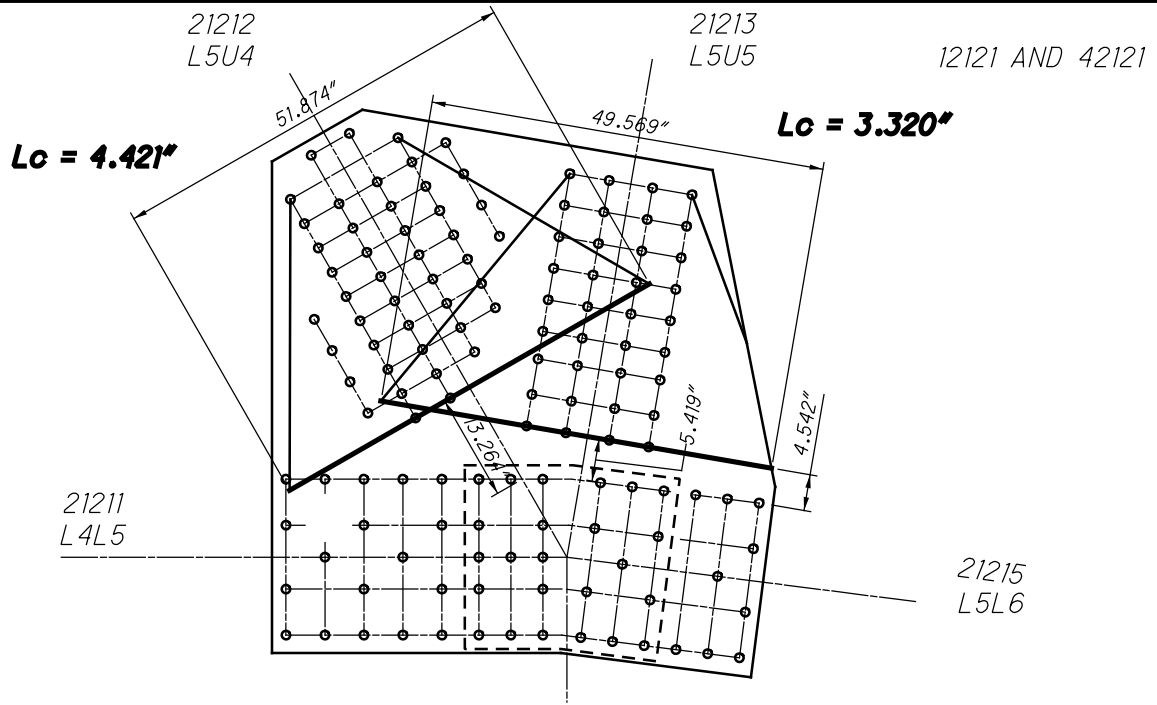


**L120 OUTSIDE
QUADRANT DIMENSIONS**

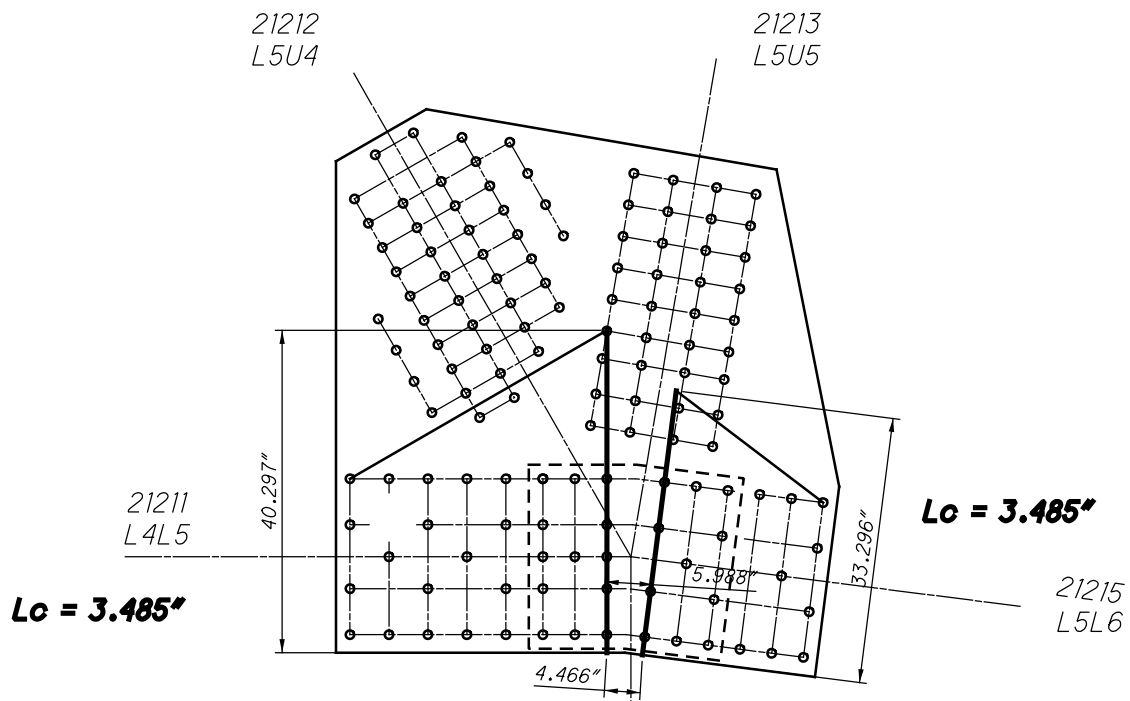


SPLICE PLATE
 $24\frac{1}{2}'' \times \frac{3}{8}'' \times 2'-2\frac{3}{4}''$

**L121 OUTSIDE (SPAN 18)
 (NEAR AND FAR SIDE)**



**L121 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L121 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

37 RIVETS
x 2 PLATES
=74 RIVETS

21212
L5U4

21213
L5U5

12121 AND 42121

36 RIVETS
x 2 PLATES
=72 RIVETS

31 RIVETS
x 2 PLATES
=62 RIVETS

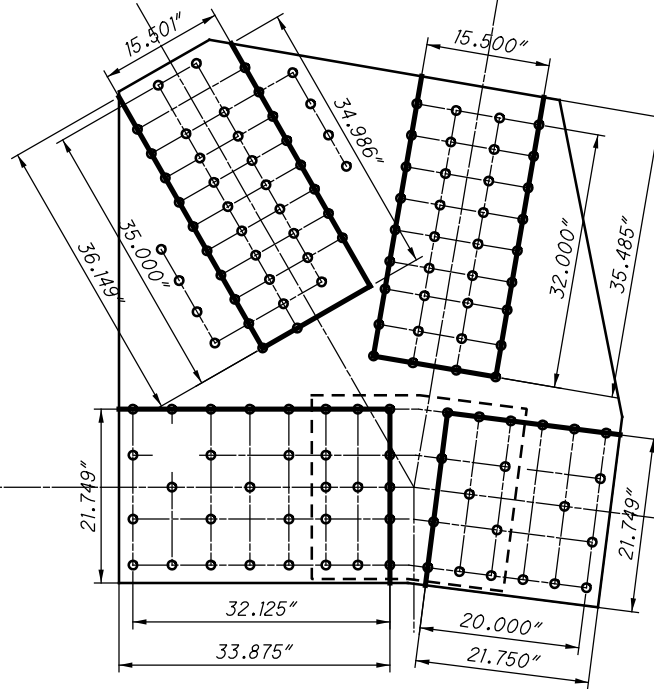
21211
L4L5

20 RIVETS
x 2 PLATES
=40 RIVETS

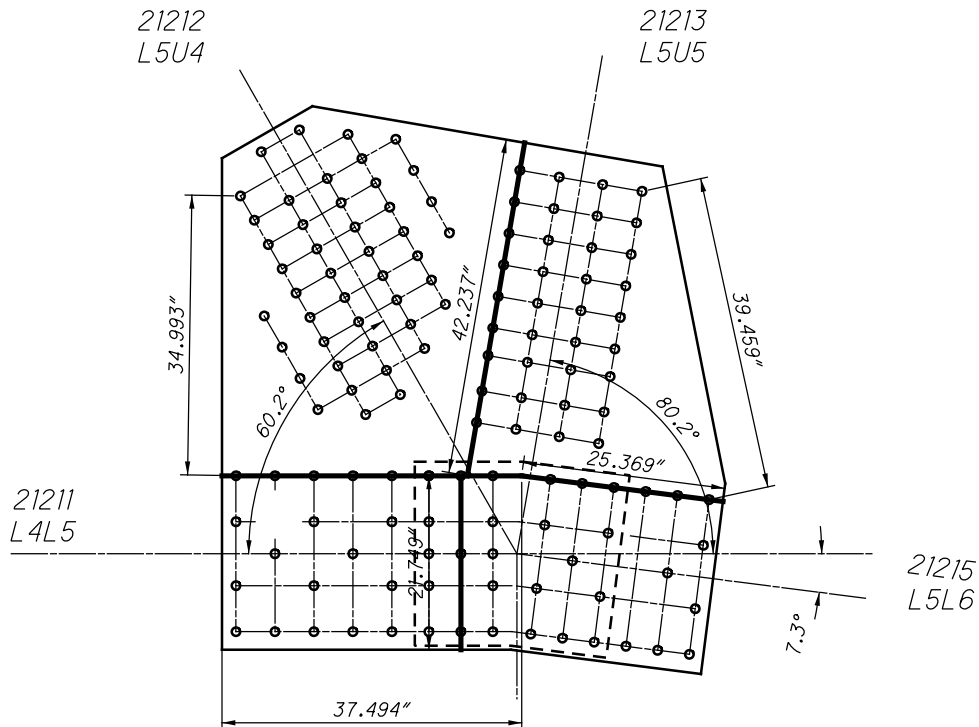
21215
L5L6

13 SPLICE P
x 2 PLATES
=26 RIVETS

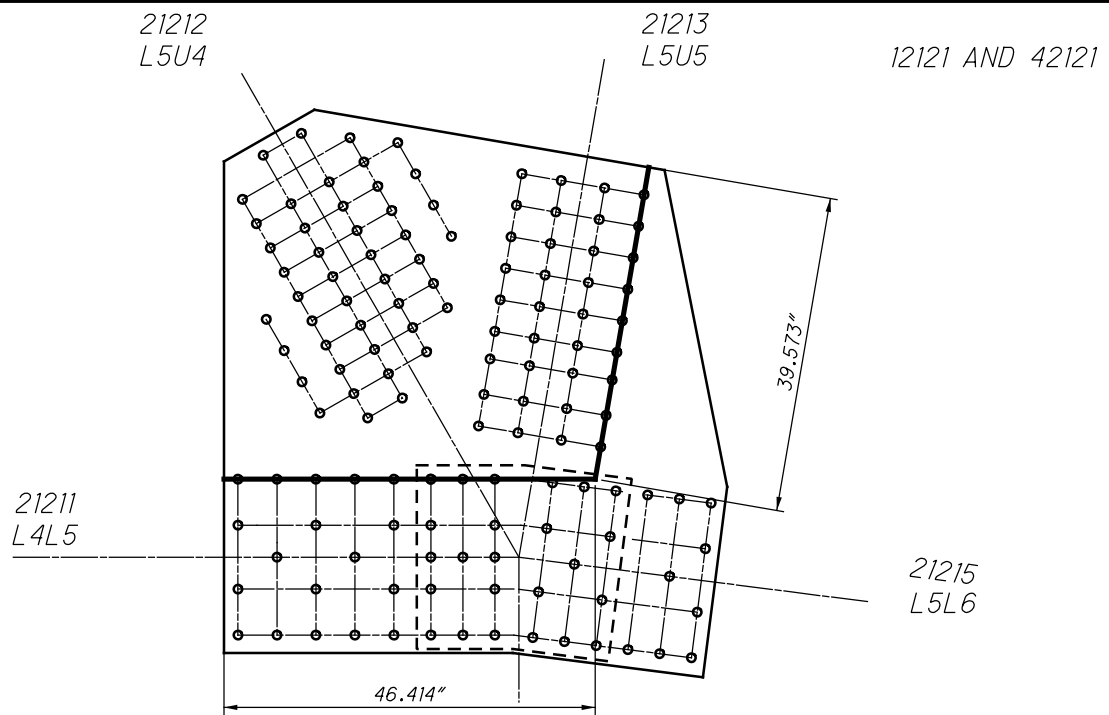
11 SPLICE P
x 2 PLATES
=22 RIVETS



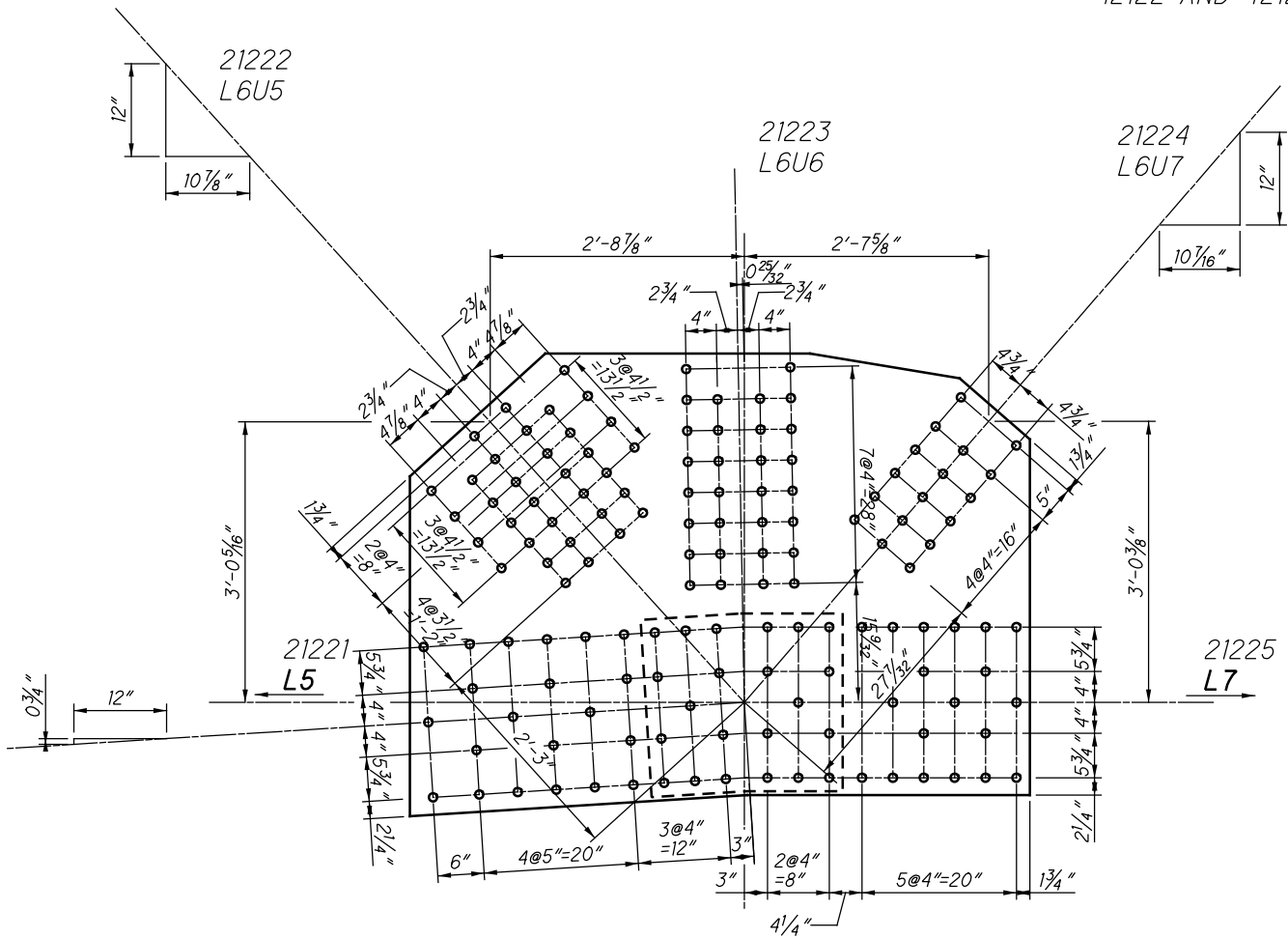
**L121 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



**L121 OUTSIDE
SHEAR AND FREE EDGE CHECK**

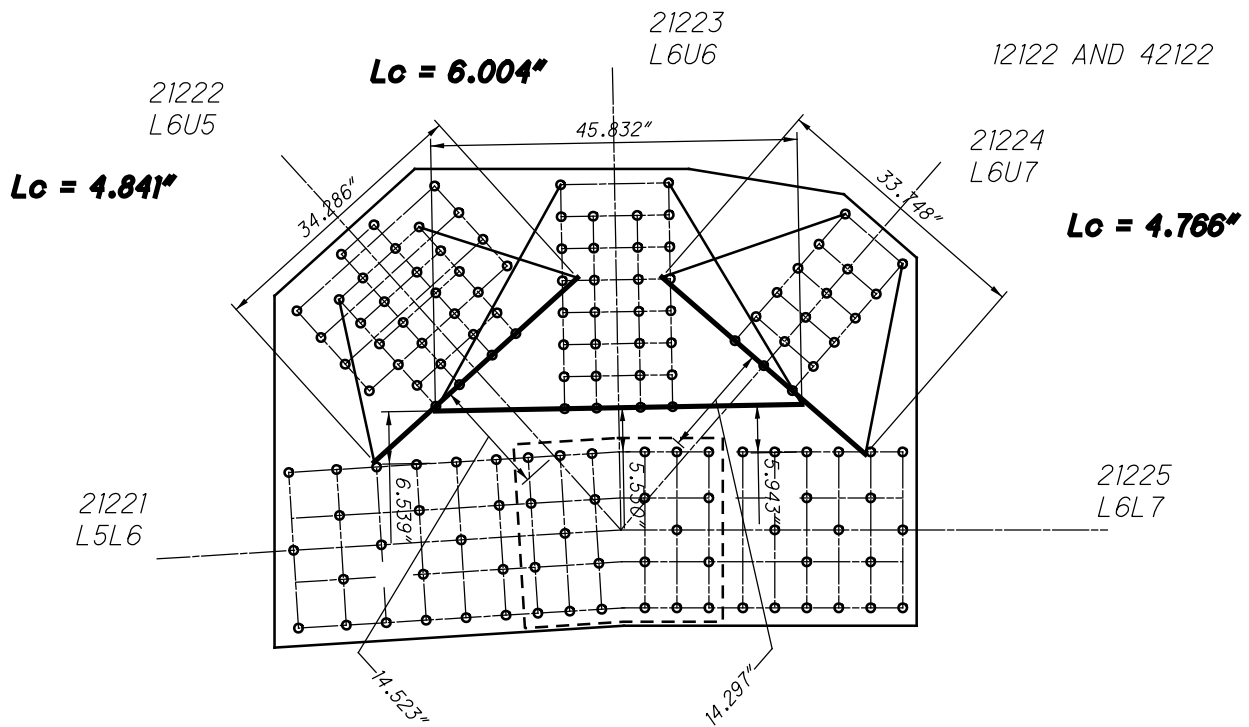


**L121 OUTSIDE
QUADRANT DIMENSIONS**

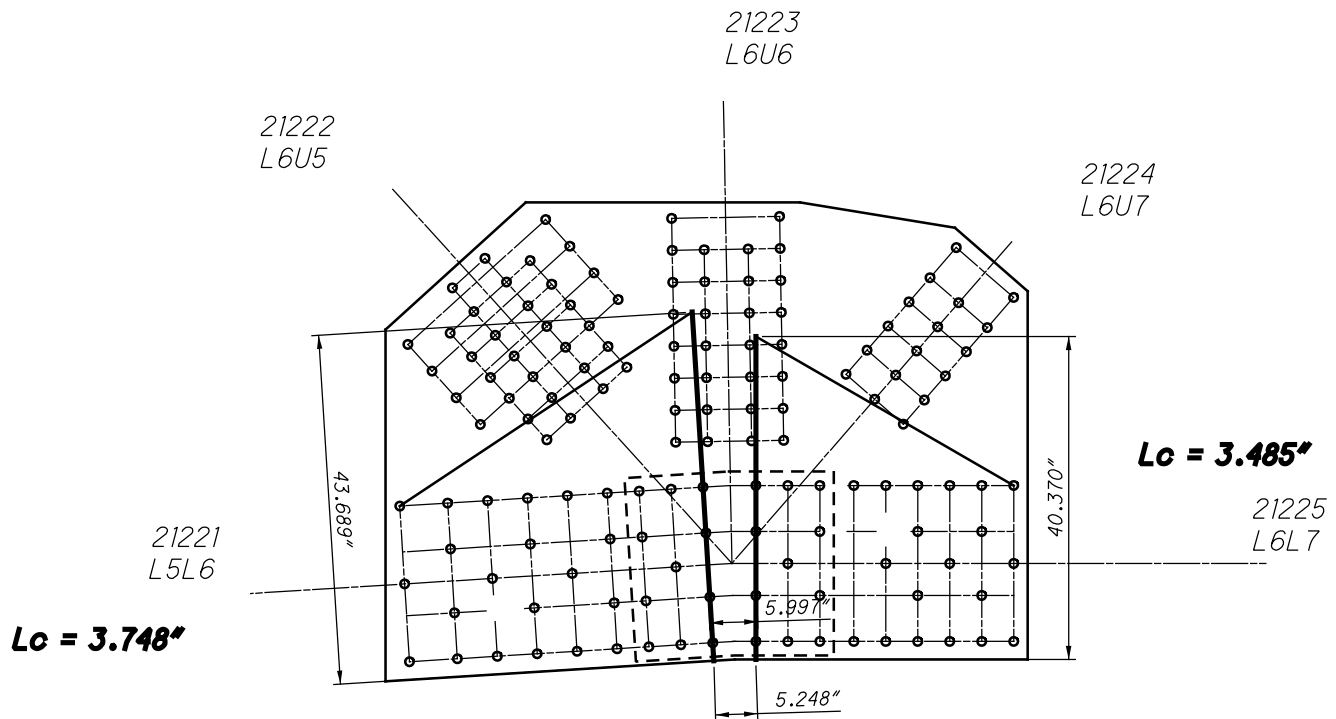


SPLICE PLATE
23 1/2" X 3 3/8" X 2'-2 1/4"

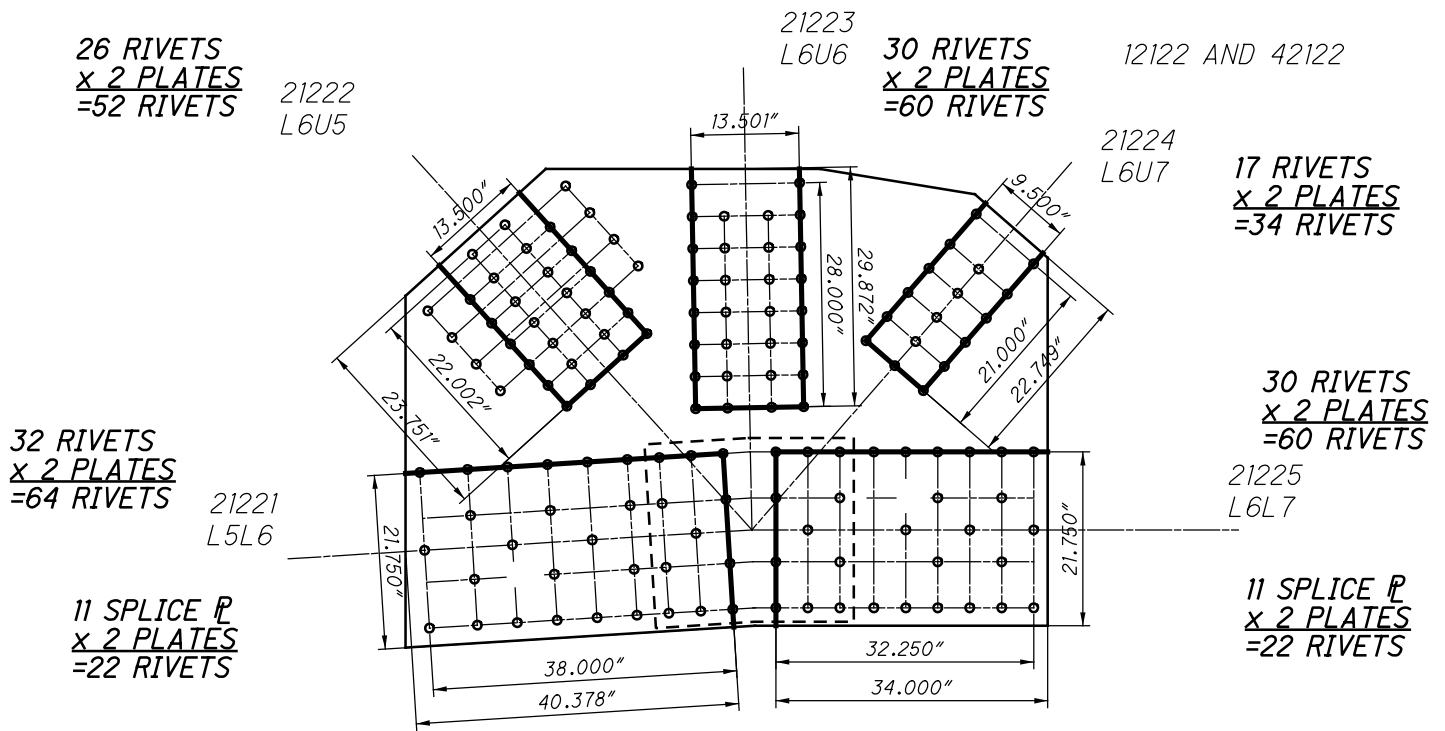
**L122 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



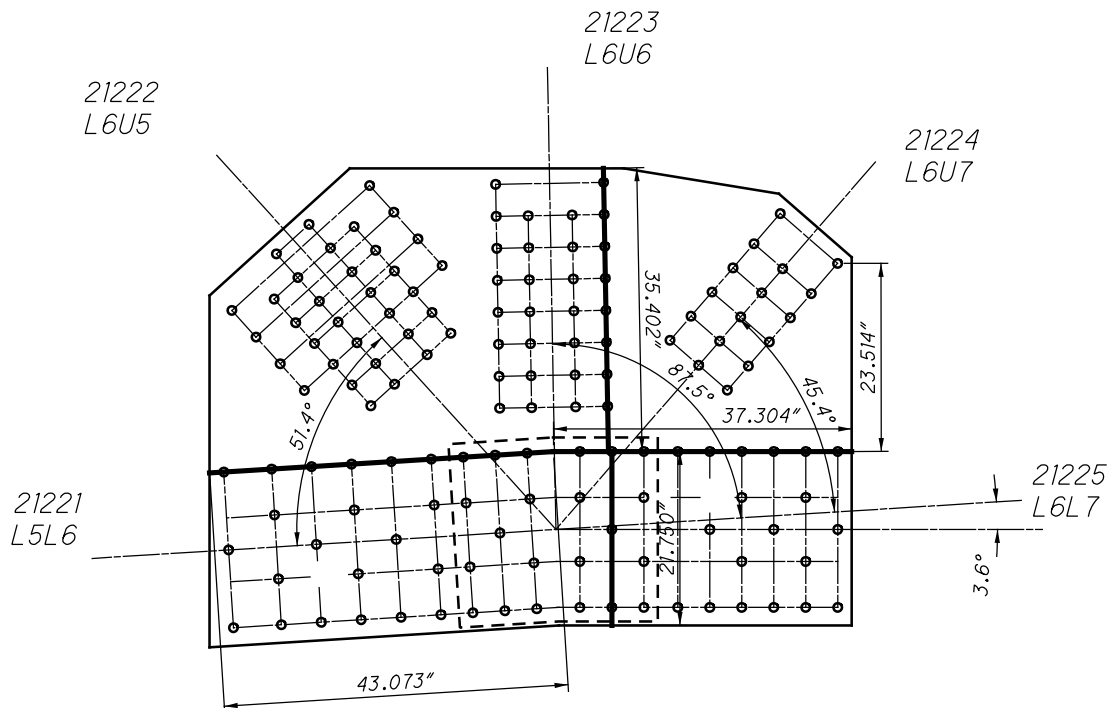
**L122 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



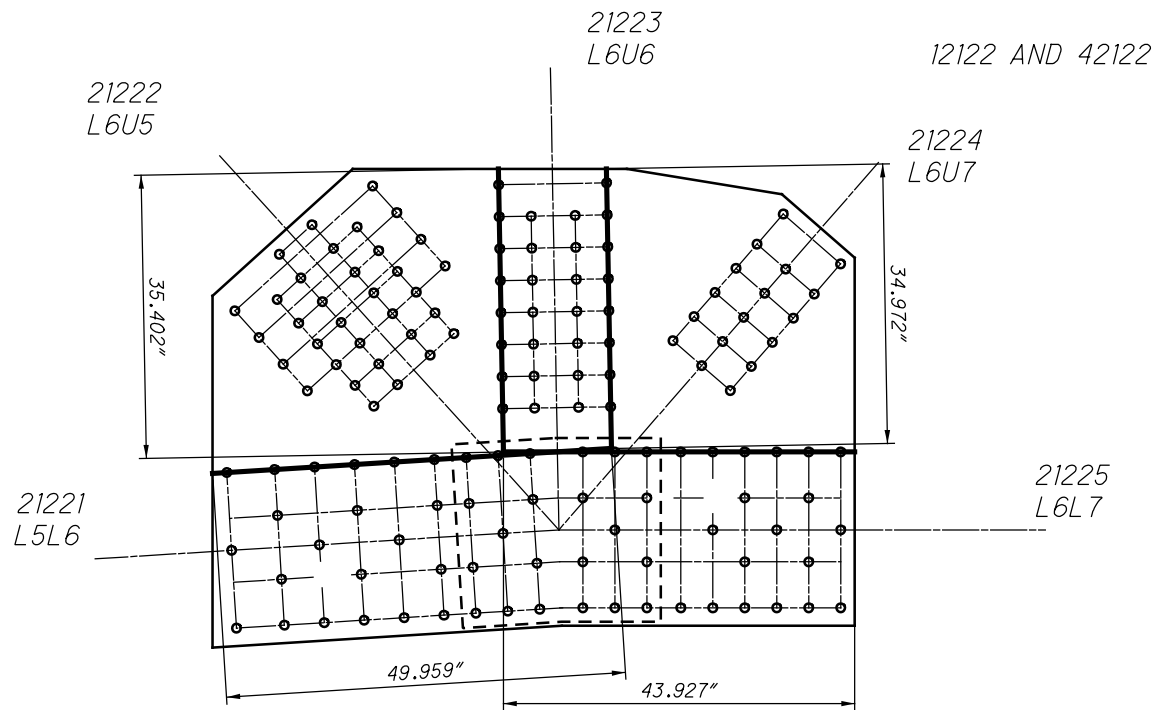
**L122 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L122 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

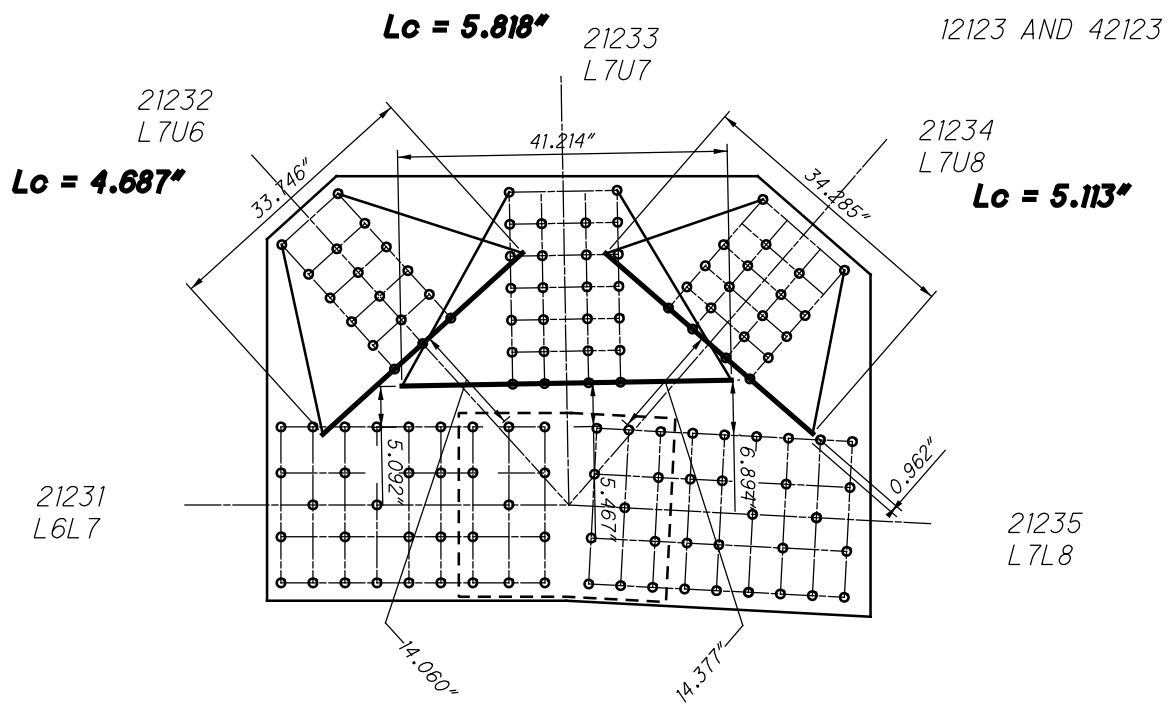


**L122 OUTSIDE
SHEAR AND FREE EDGE CHECK**

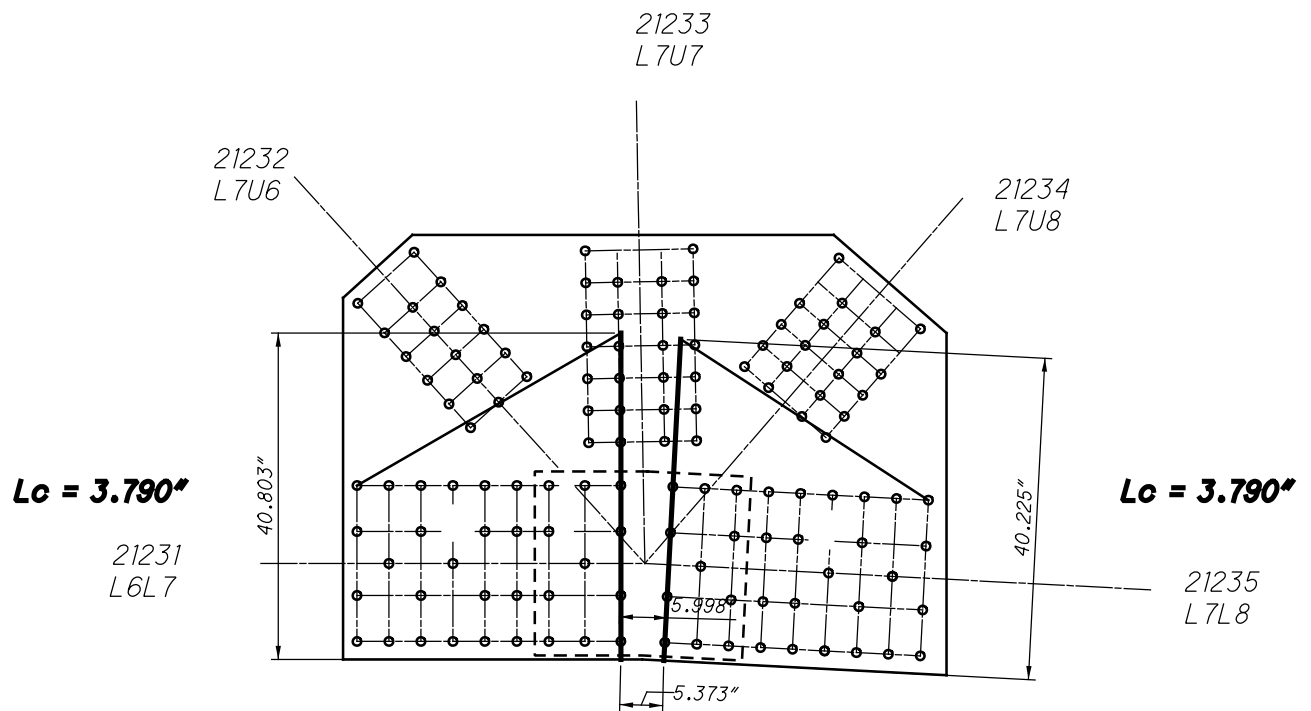


**L122 OUTSIDE
QUADRANT DIMENSIONS**

**L123 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**L123 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L123 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

17 RIVETS
x 2 PLATES
=34 RIVETS

26 RIVETS
x 2 PLATES
=52 RIVETS

21233
L7U7

12123 AND 42123

21232
L7U6

21234
L7U8

20 RIVETS
x 2 PLATES
=40 RIVETS

33 RIVETS
x 2 PLATES
=66 RIVETS

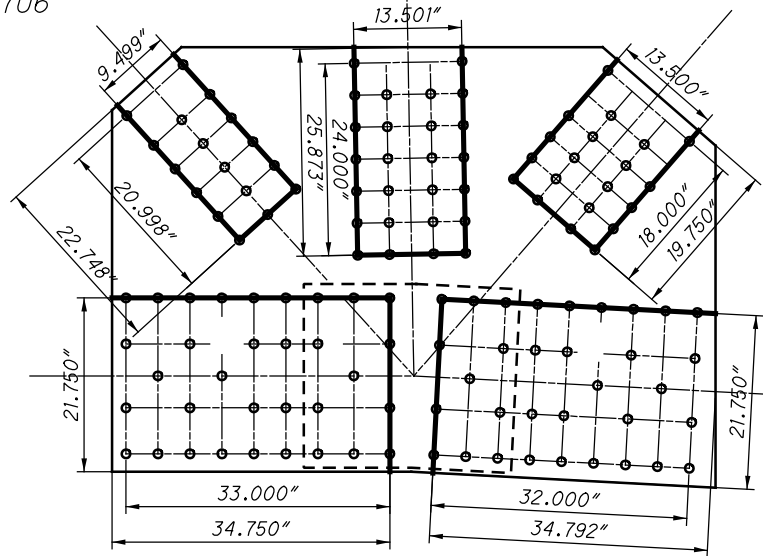
21231
L6L7

11 SPLICE P
x 2 PLATES
=22 RIVETS

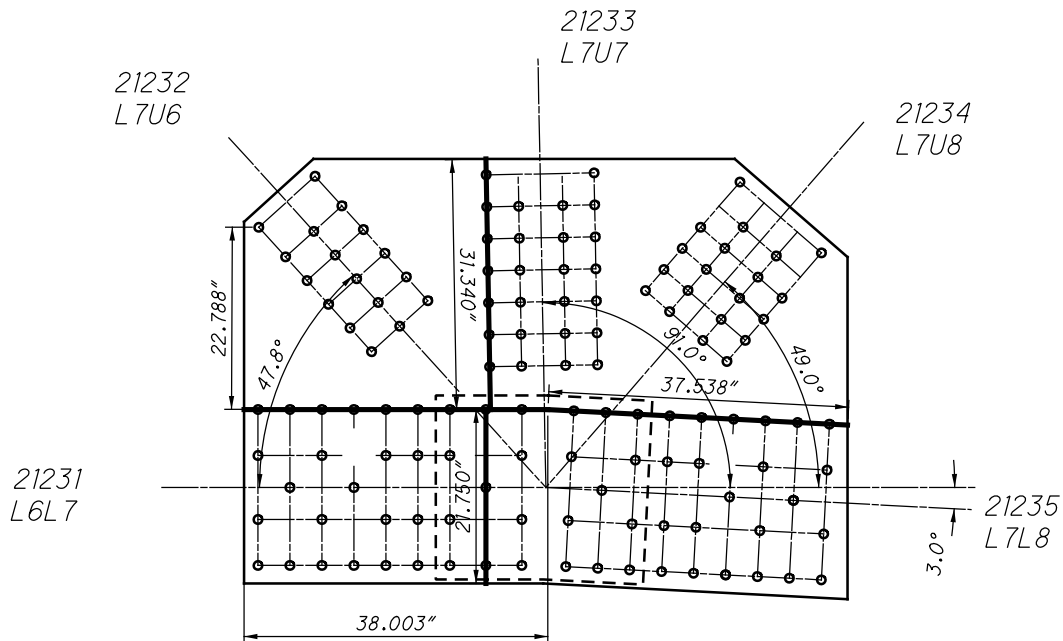
33 RIVETS
x 2 PLATES
=66 RIVETS

21235
L7L8

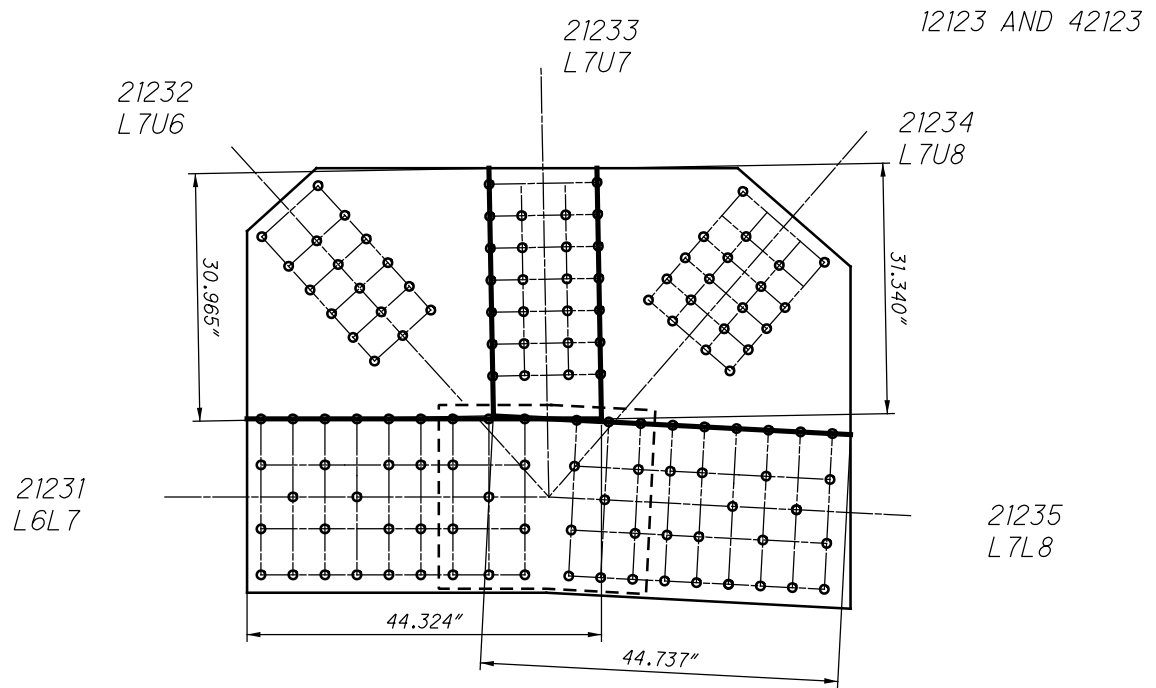
11 SPLICE P
x 2 PLATES
=22 RIVETS



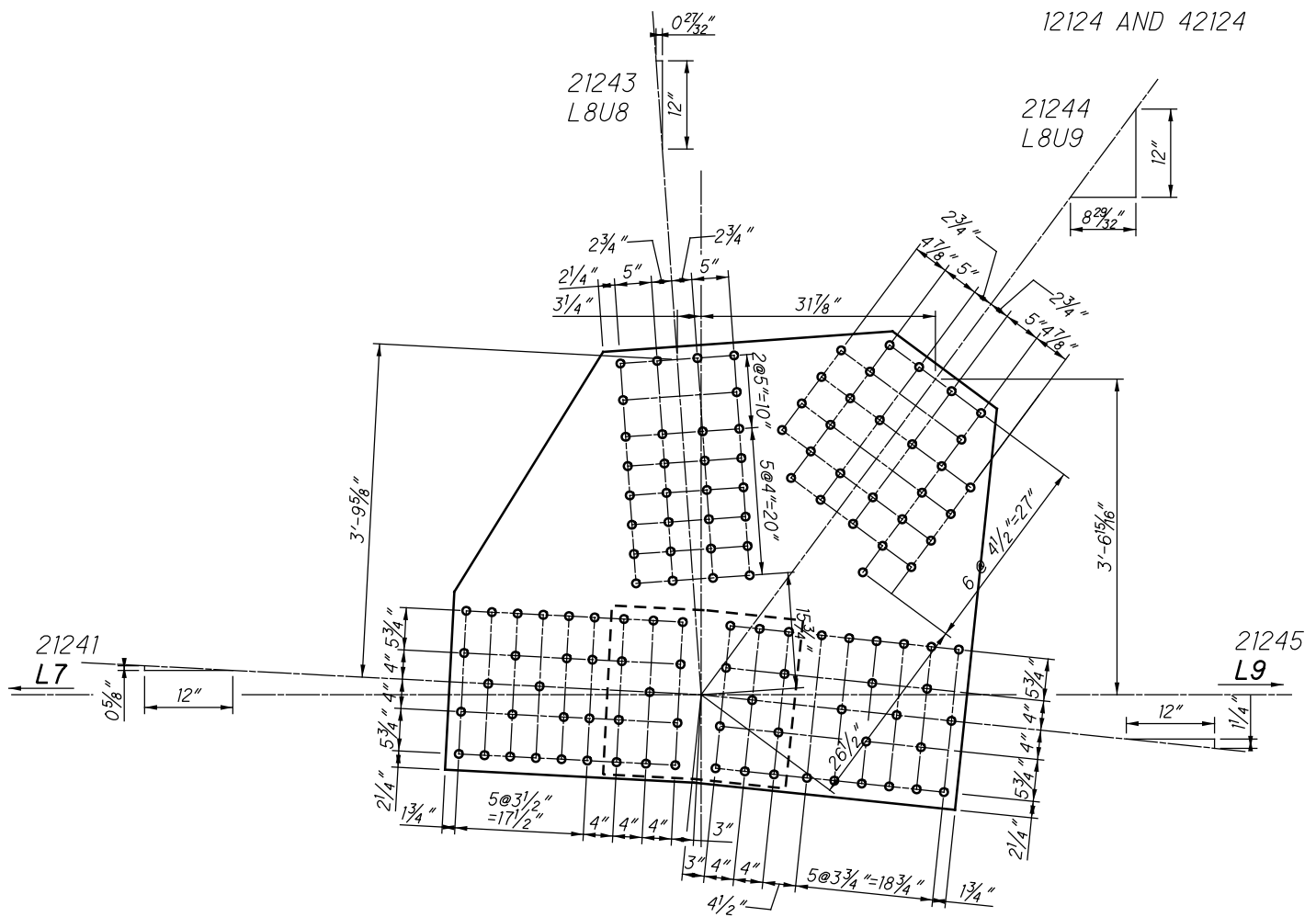
**L123 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**



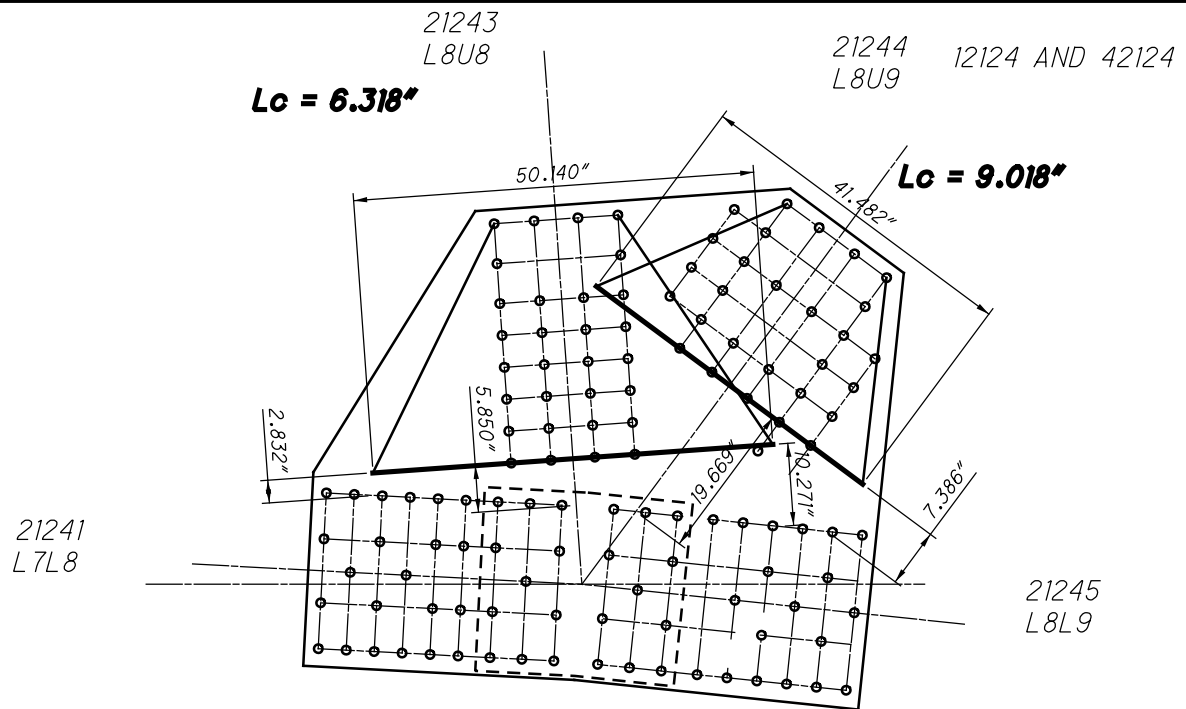
**L123 OUTSIDE
SHEAR AND FREE EDGE CHECK**



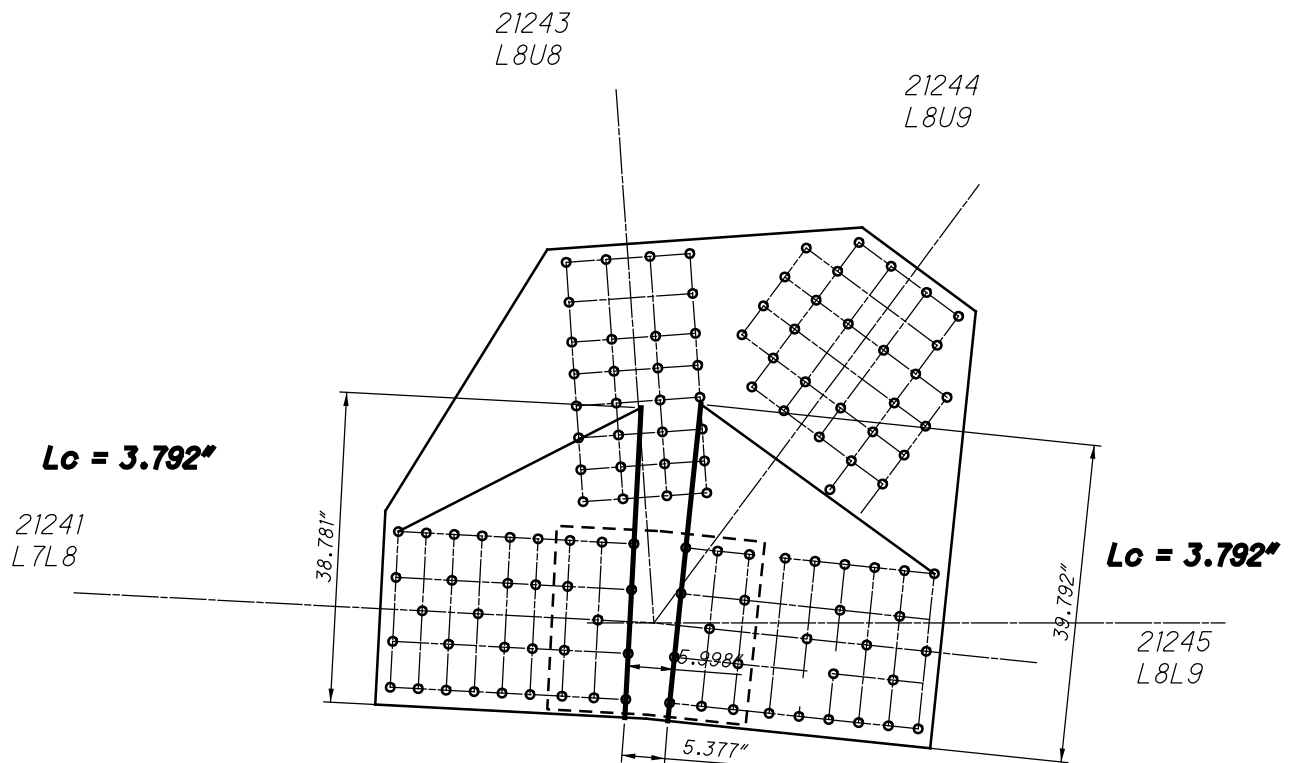
**L123 OUTSIDE
QUADRANT DIMENSIONS**



**L124 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**L124 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L124 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

30 RIVETS
x 2 PLATES
=60 RIVETS

21243
L8U8

21244
L8U9

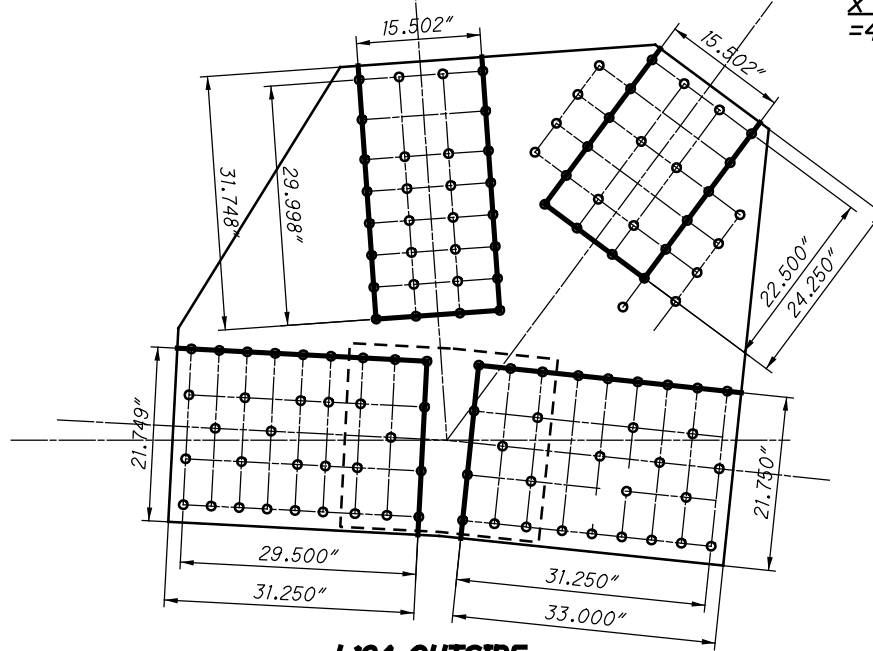
12124 AND 42124

21 RIVETS
x 2 PLATES
=42 RIVETS

33 RIVETS
x 2 PLATES
=66 RIVETS

21241
L7L8

11 SPLICE P
x 2 PLATES
=22 RIVETS



30 RIVETS
x 2 PLATES
=60 RIVETS

21245
L8L9

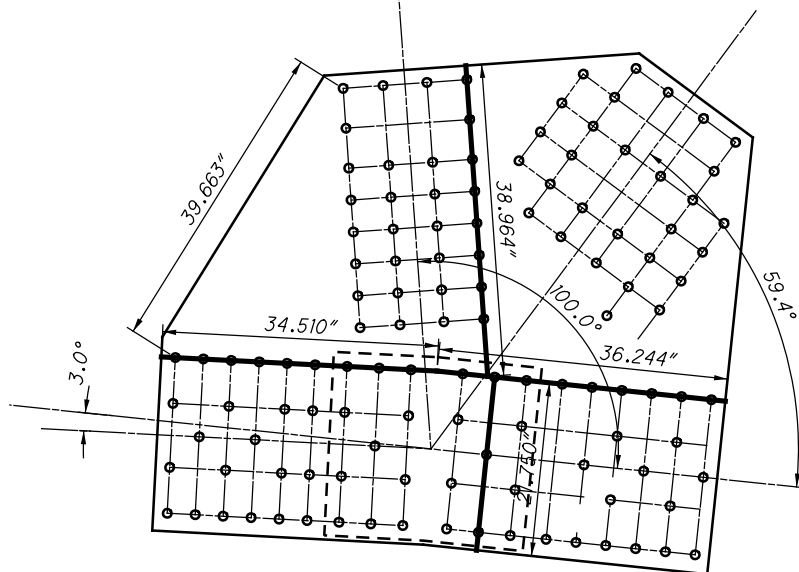
11 SPLICE P
x 2 PLATES
=22 RIVETS

**L124 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21243
L8U8

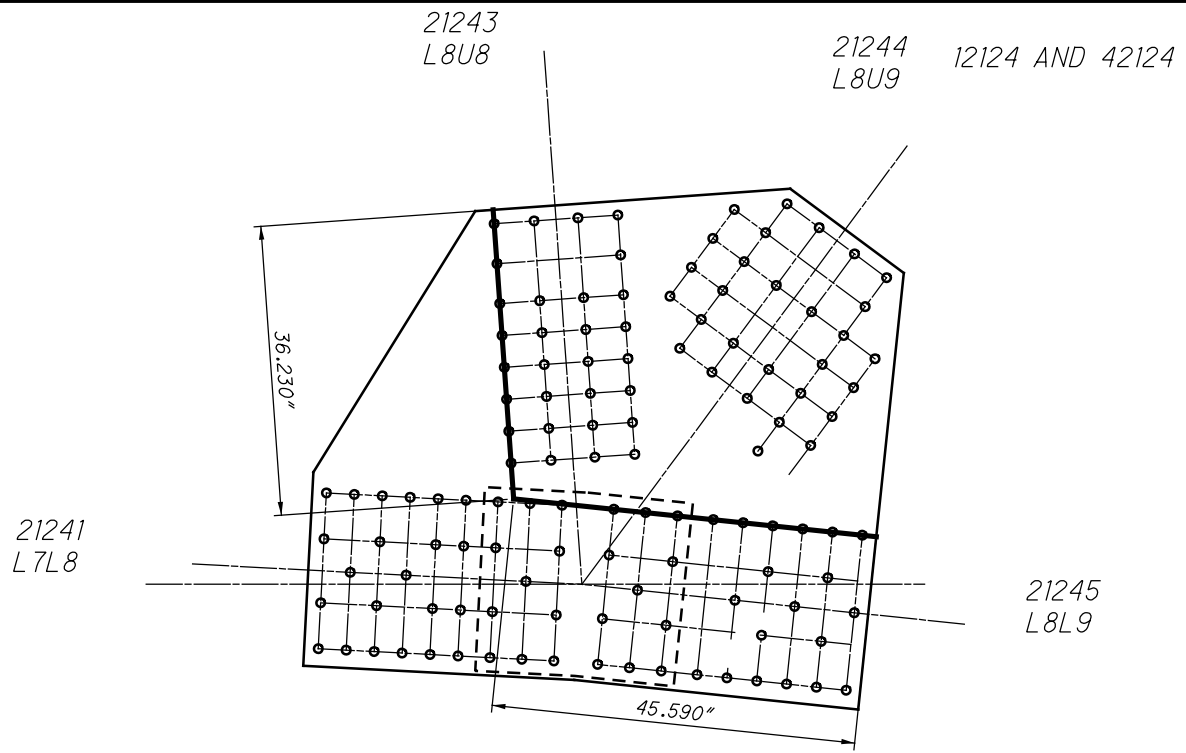
21244
L8U9

21241
L7L8

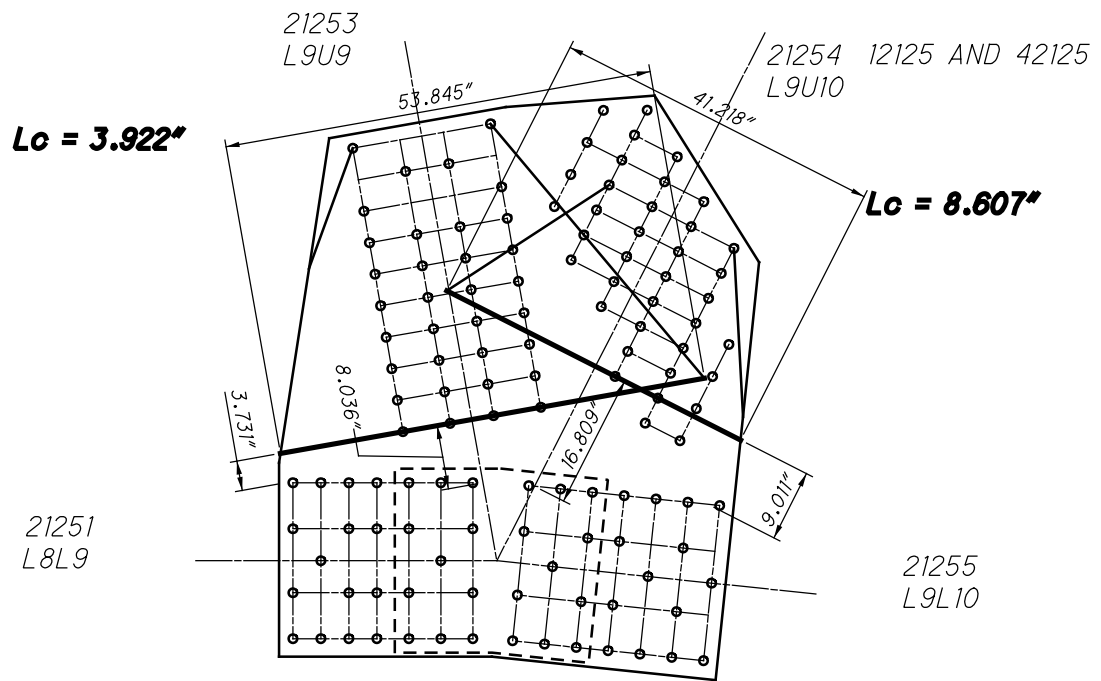


21245
L8L9

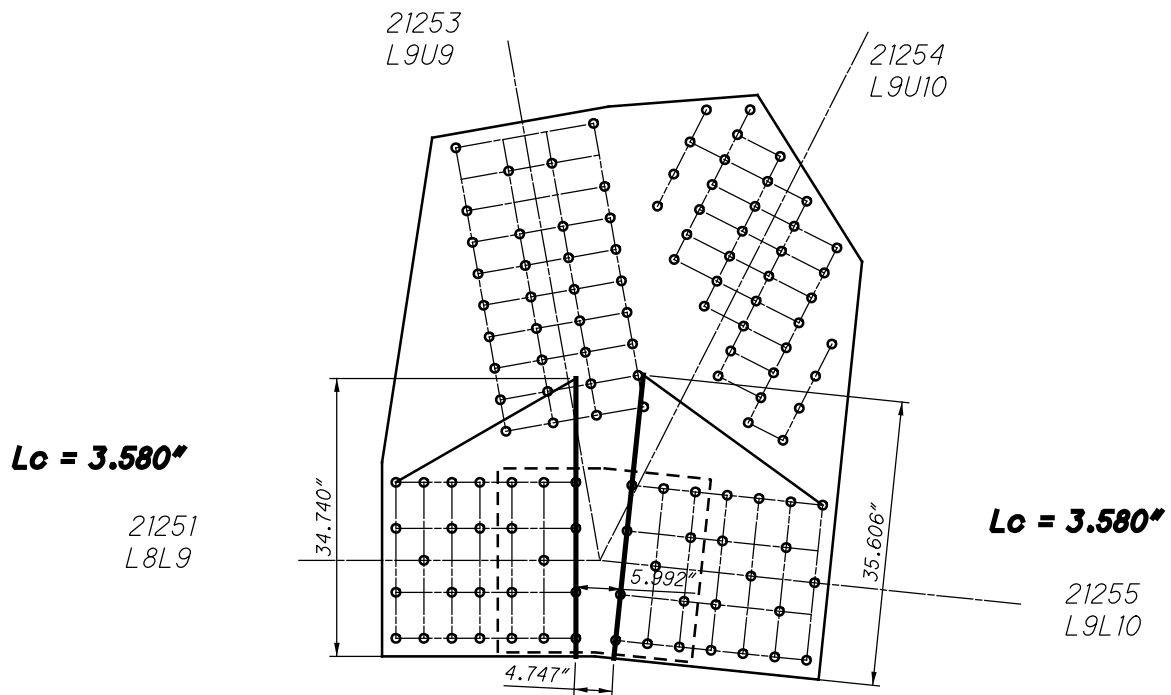
**L124 OUTSIDE
SHEAR AND FREE EDGE CHECK**



**L124 OUTSIDE
QUADRANT DIMENSIONS**



**L125 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L125 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

34 RIVETS
x 2 PLATES
=68 RIVETS

21253
L9U9

21254
L9U10

12125 AND 42125

30 RIVETS
x 2 PLATES
=60 RIVETS

26 RIVETS
x 2 PLATES
=52 RIVETS

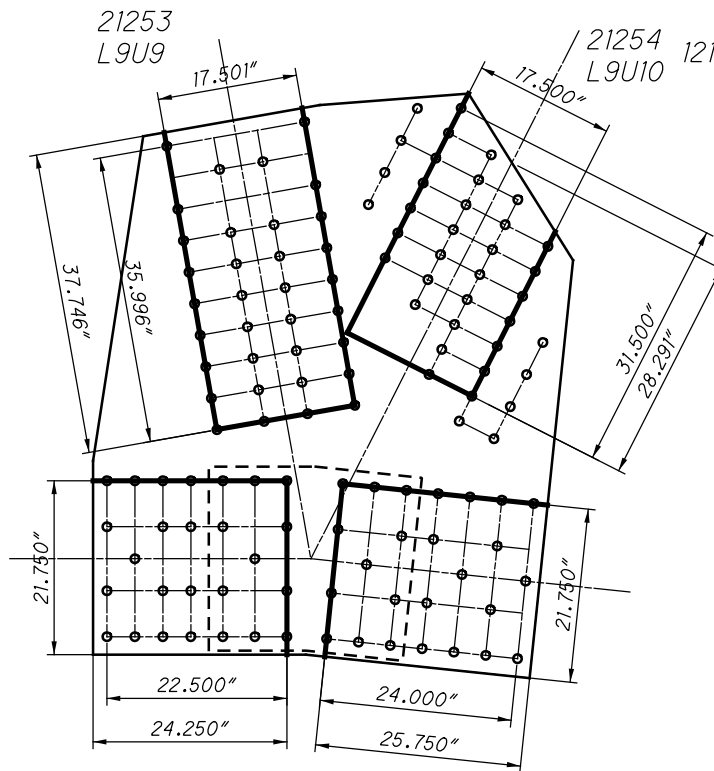
21251
L8L9

11 SPLICE P
x 2 PLATES
=22 RIVETS

25 RIVETS
x 2 PLATES
=50 RIVETS

21255
L9L10

11 SPLICE P
x 2 PLATES
=22 RIVETS



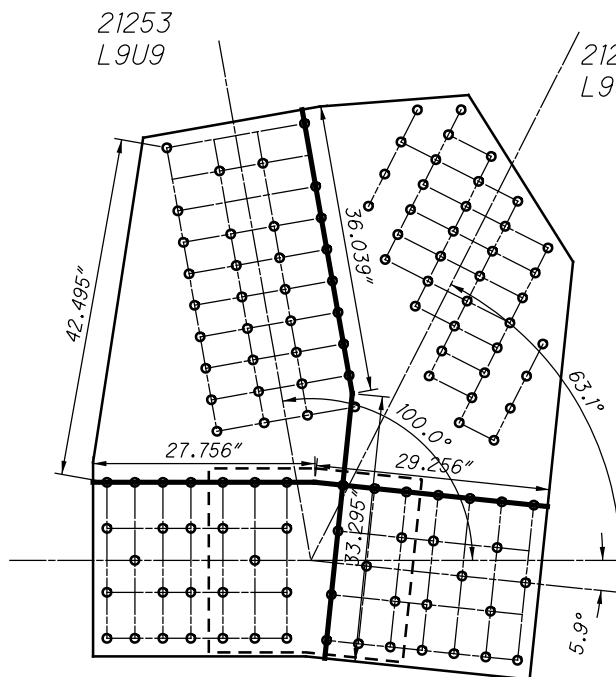
**L125 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21253
L9U9

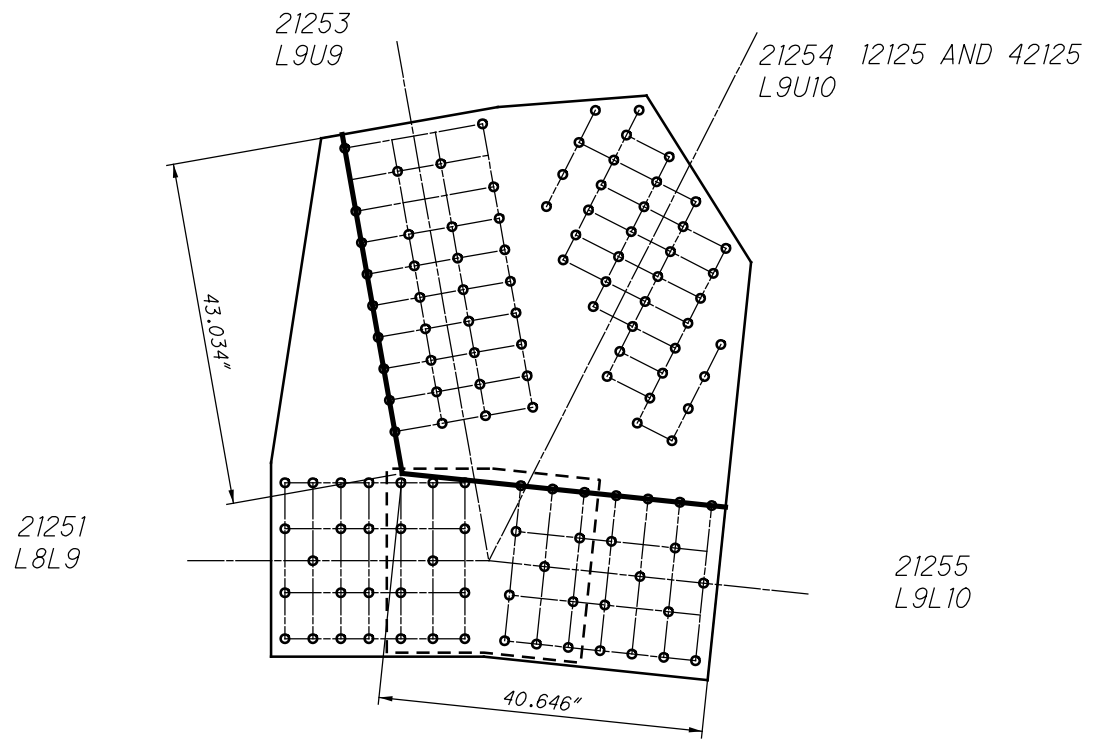
21254
L9U10

21251
L8L9

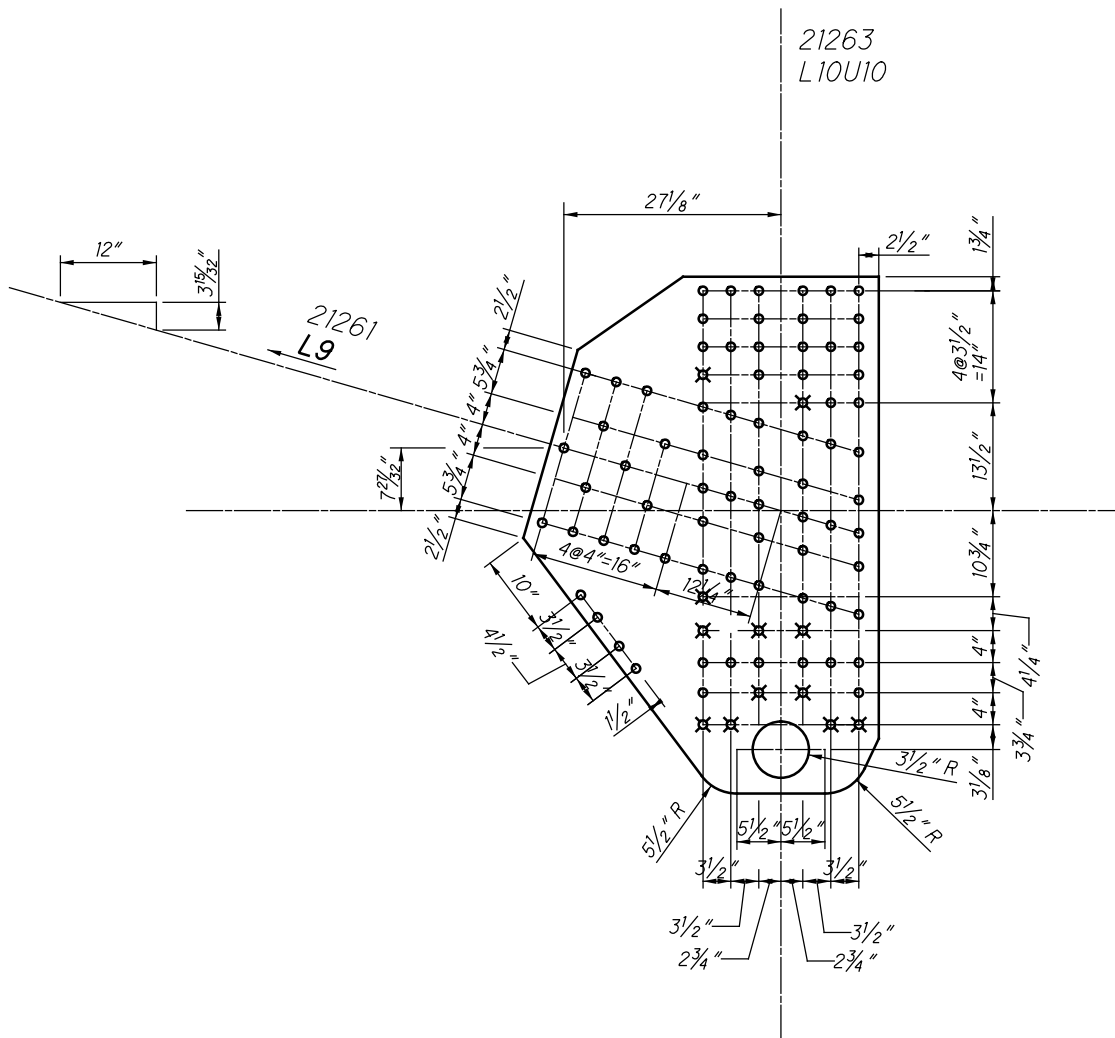
21255
L9L10



**L125 OUTSIDE
SHEAR AND FREE EDGE CHECK**



**L125 OUTSIDE
QUADRANT DIMENSIONS**



**L126 OUTSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

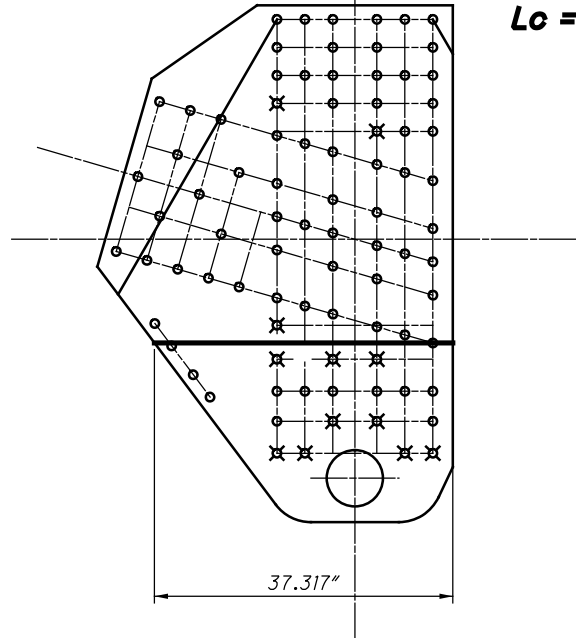
21263
L10U10

12126 AND 42126

INTERNAL BOLSTER BEARS ON PIN

$L_c = 0.000"$

21261
L9L10



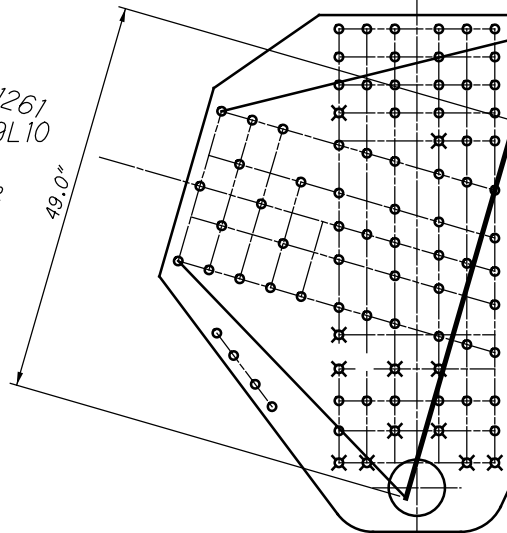
**L126 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21263
L10U10

21261
L9L10

DUMMY MEMBER

49.0"



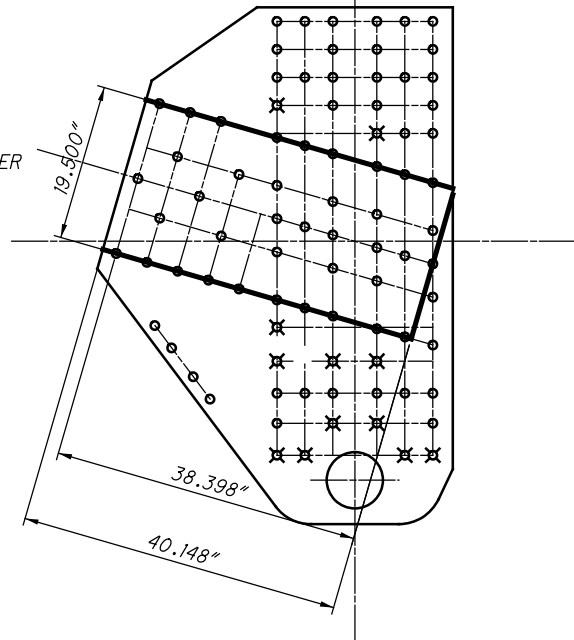
**L126 OUTSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

40 RIVETS
x 2 PLATES
=80 RIVETS

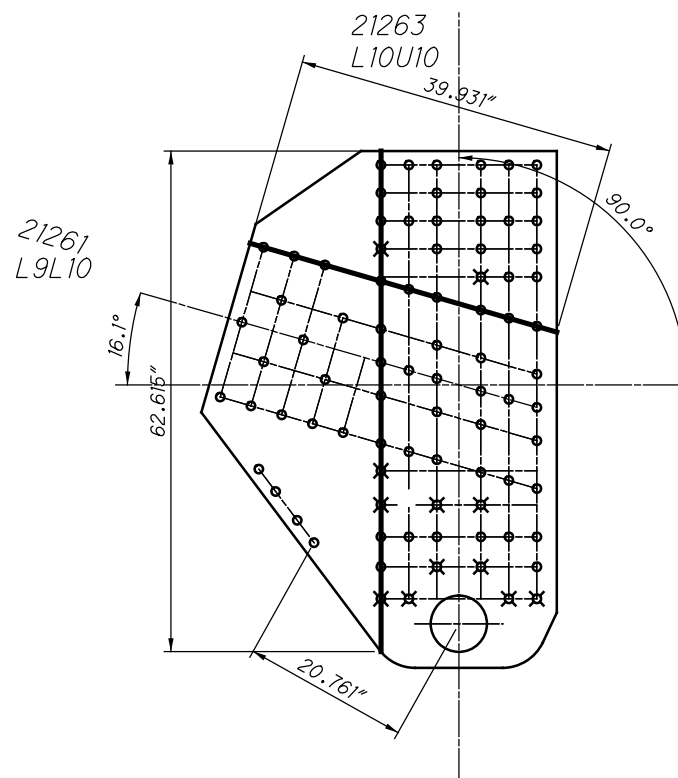
21263
L10U10

12126 AND 42126

21261
L9L10
DUMMY MEMBER



**L126 OUTSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

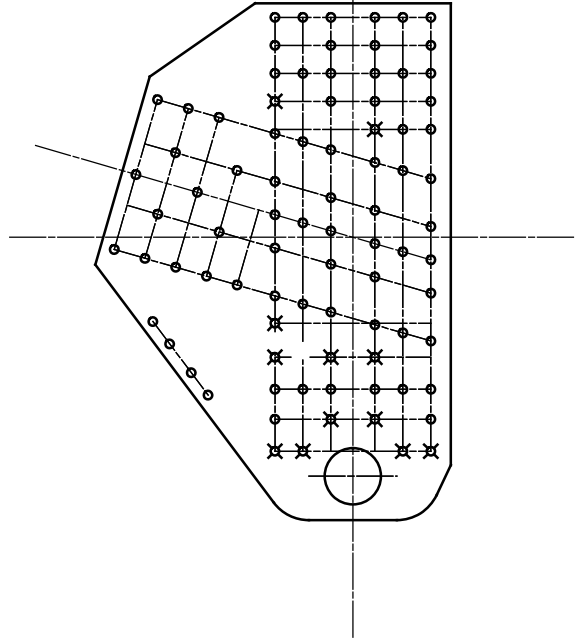


**L126 OUTSIDE
SHEAR AND FREE EDGE CHECK**

21263
L10U10

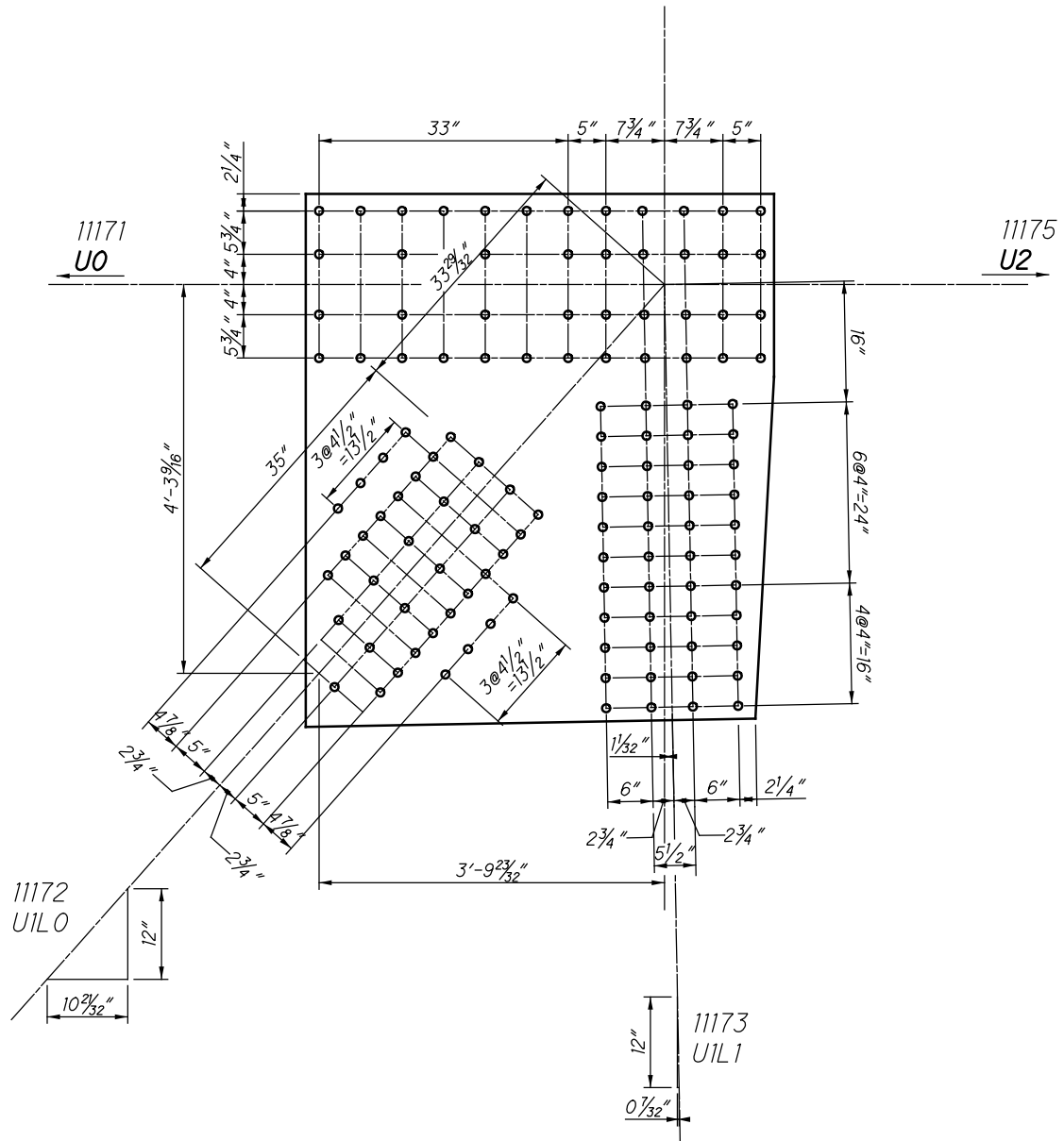
12126 AND 42126

21261
L9L10



**L126 OUTSIDE
QUADRANT DIMENSIONS**

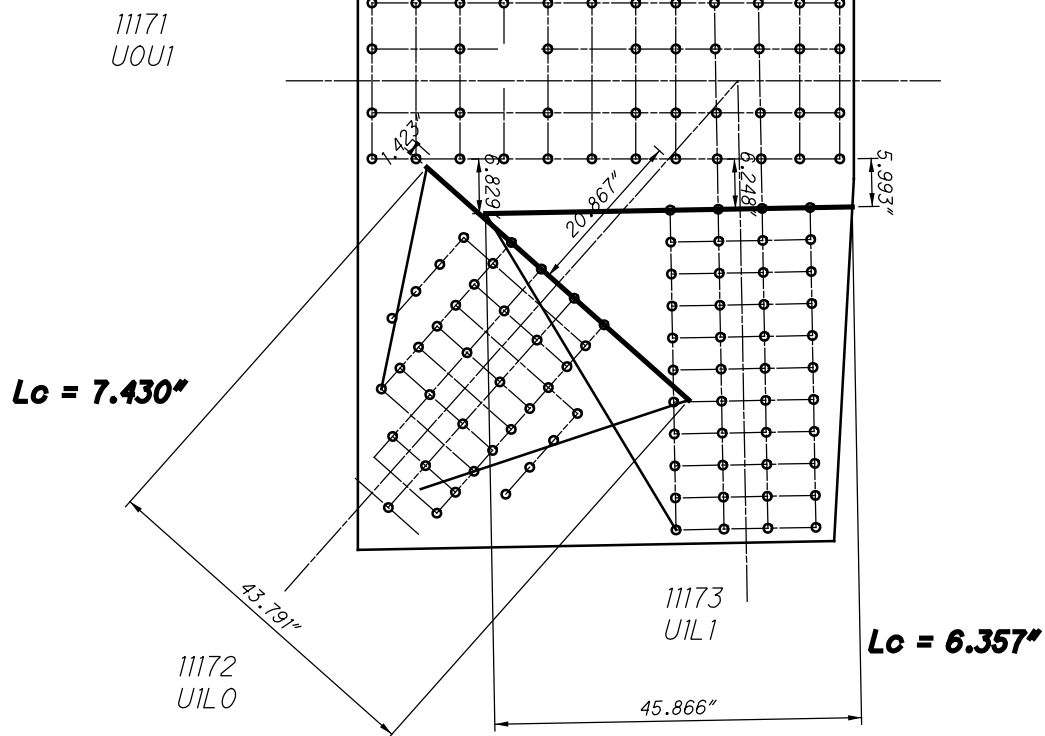
VERTICAL PASSES THROUGH THE GUSSET WORKING POINT
AND THE CHORD IS A DUMMY MEMBER



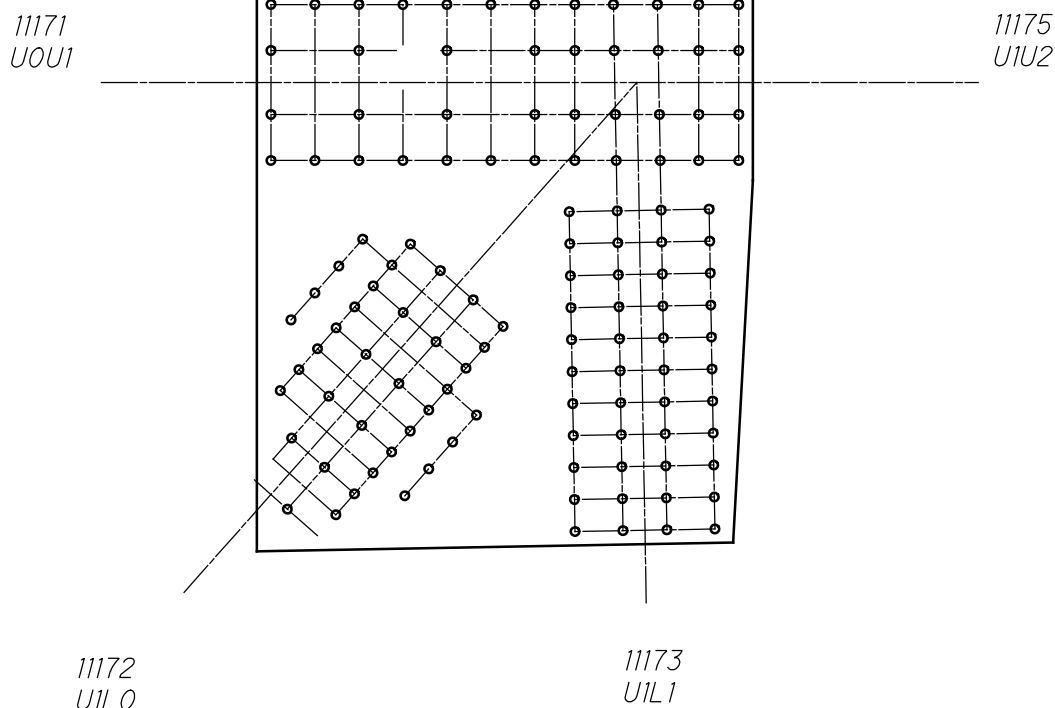
**U117 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

CHORD IS CONTINUOUS

21117 AND 31117



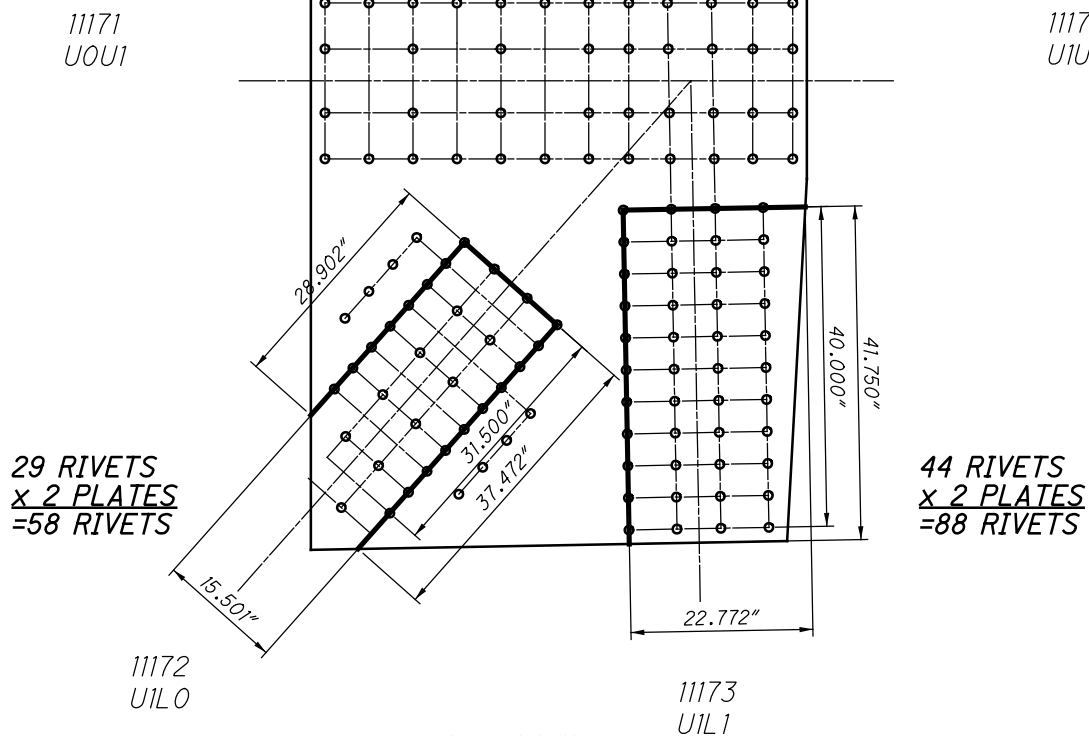
**U117 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



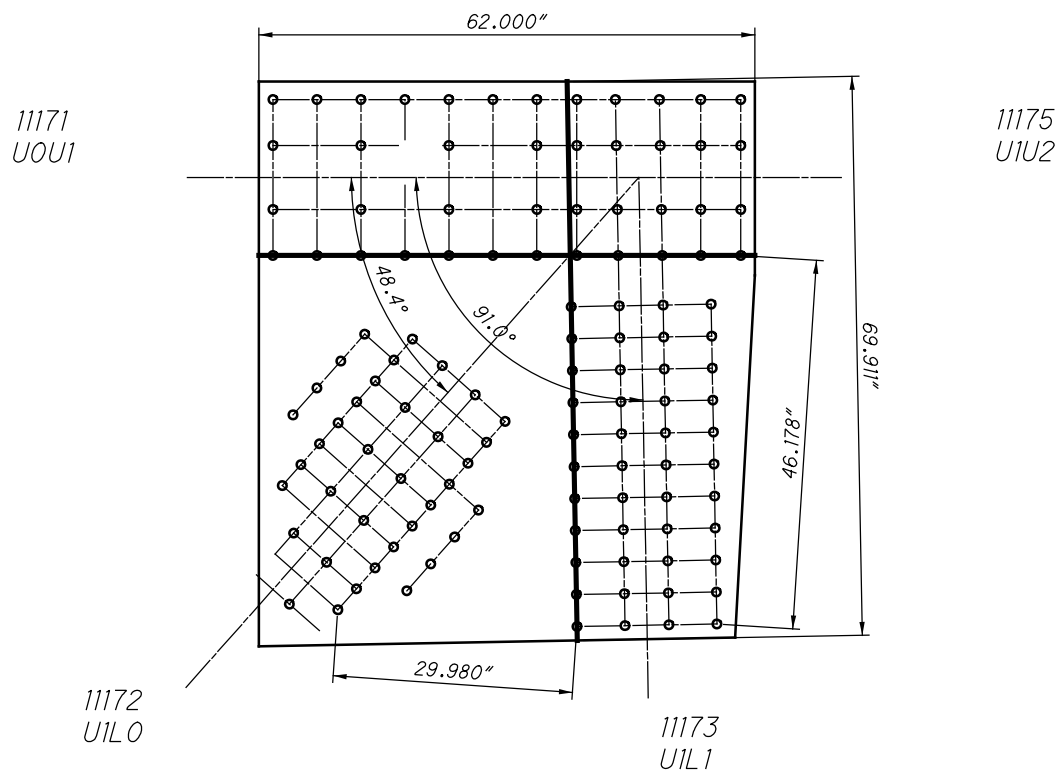
**U117 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

21117 AND 31117



**U117 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

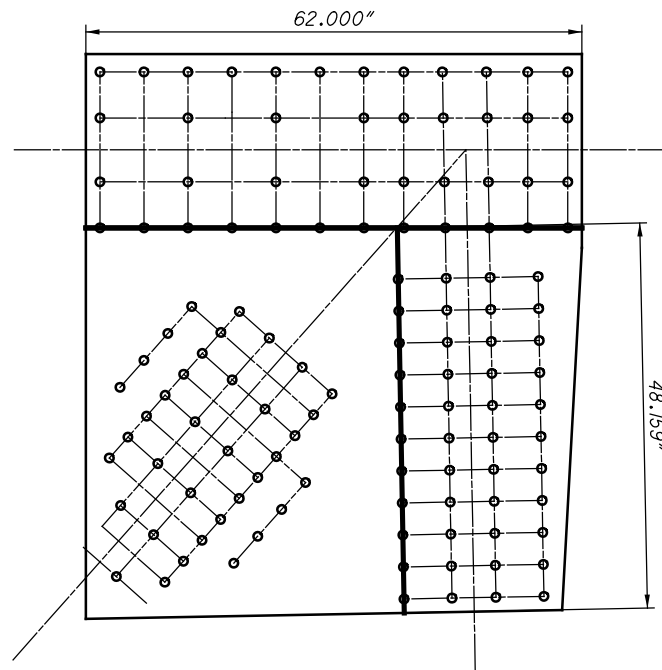


**U117 INSIDE
SHEAR AND FREE EDGE CHECK**

11171
UOU1

21117 AND 31117

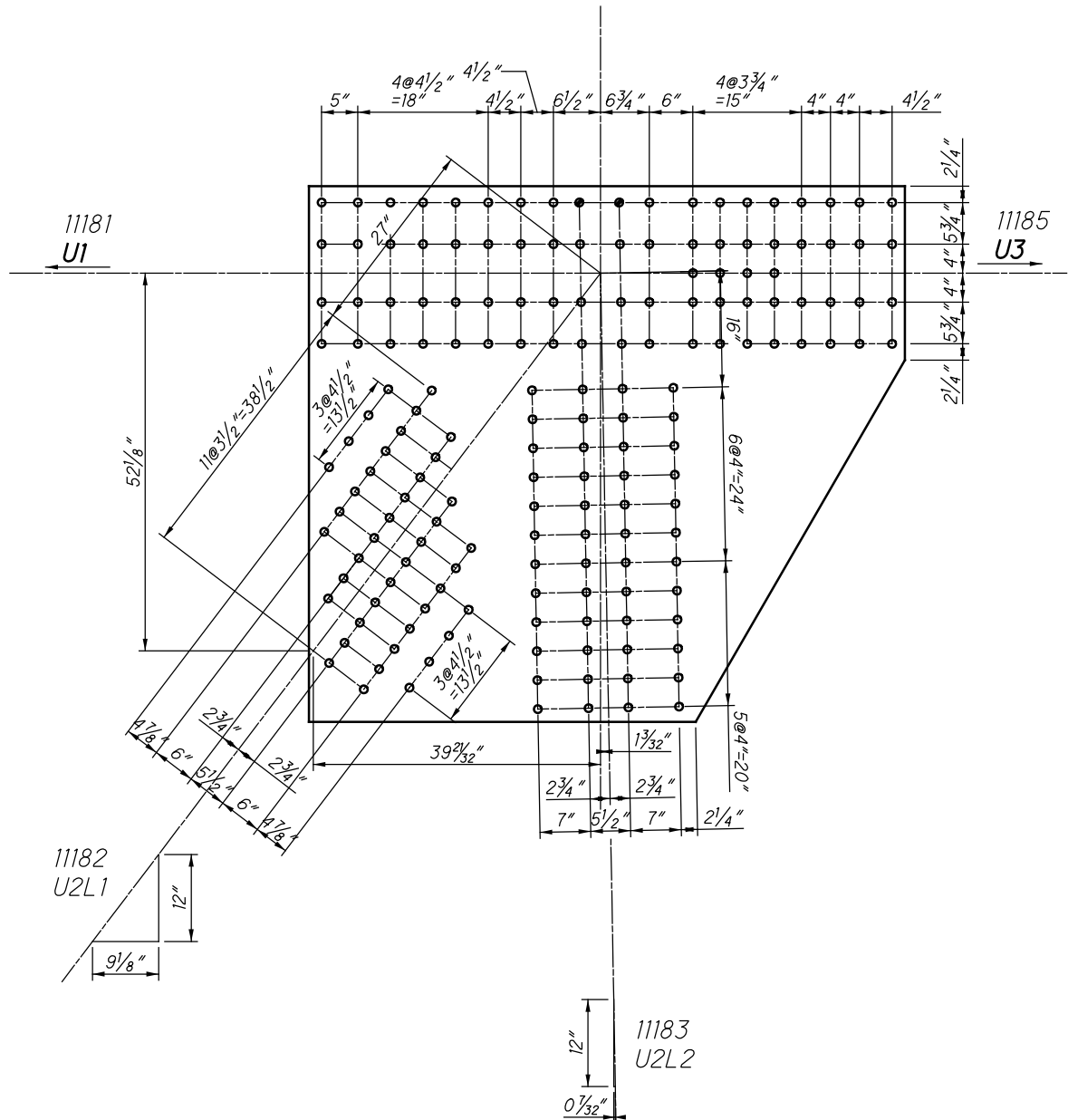
11175
UIU2



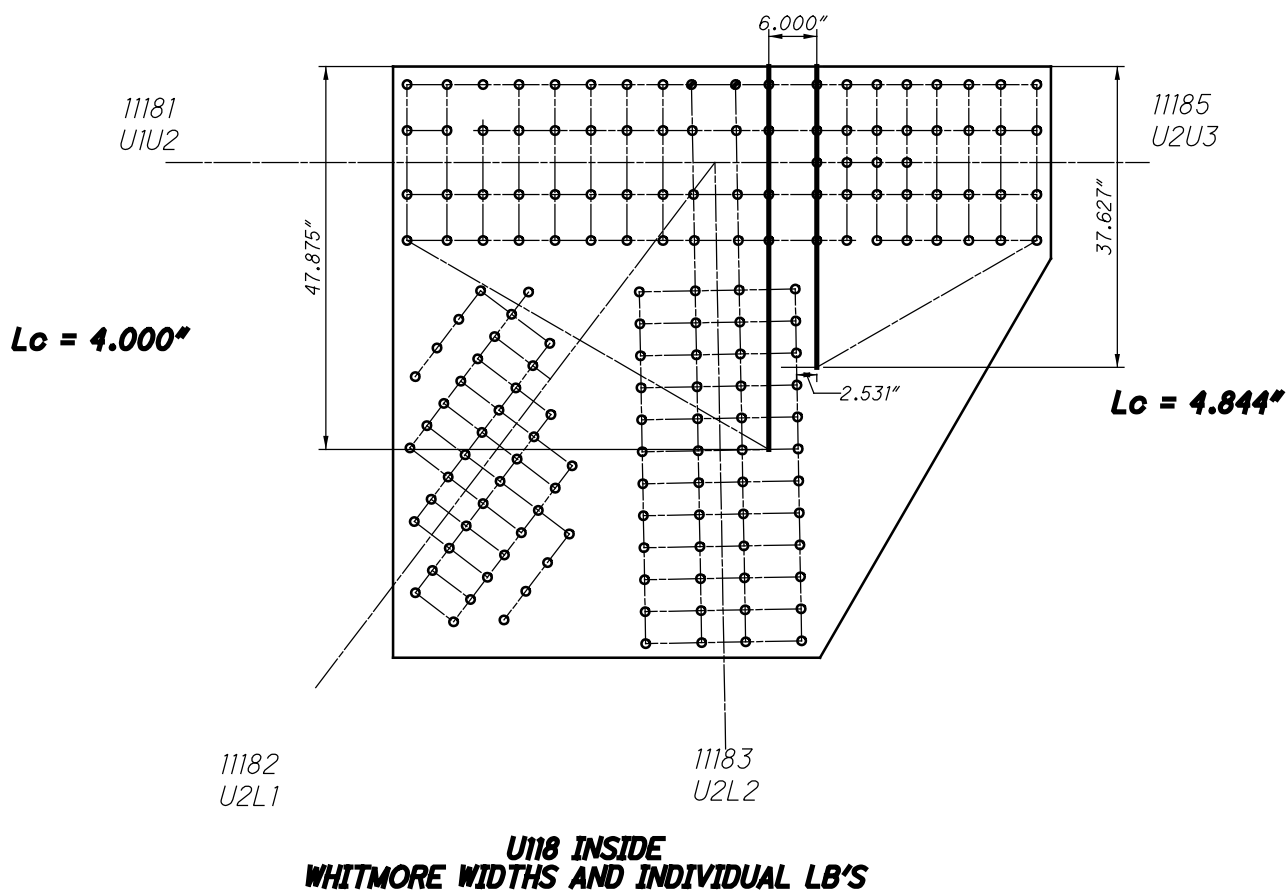
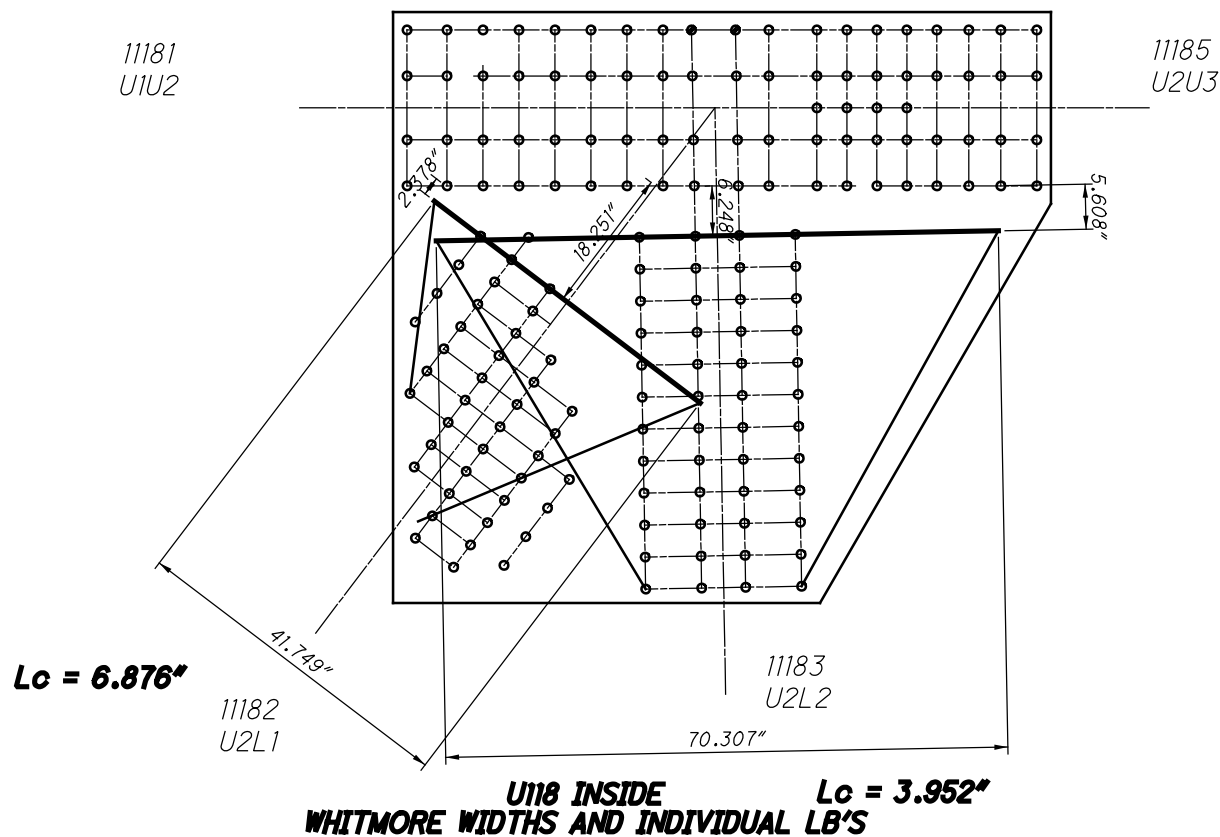
11172
UIL0

11173
UIL1

**U117 INSIDE
QUADRANT DIMENSIONS**

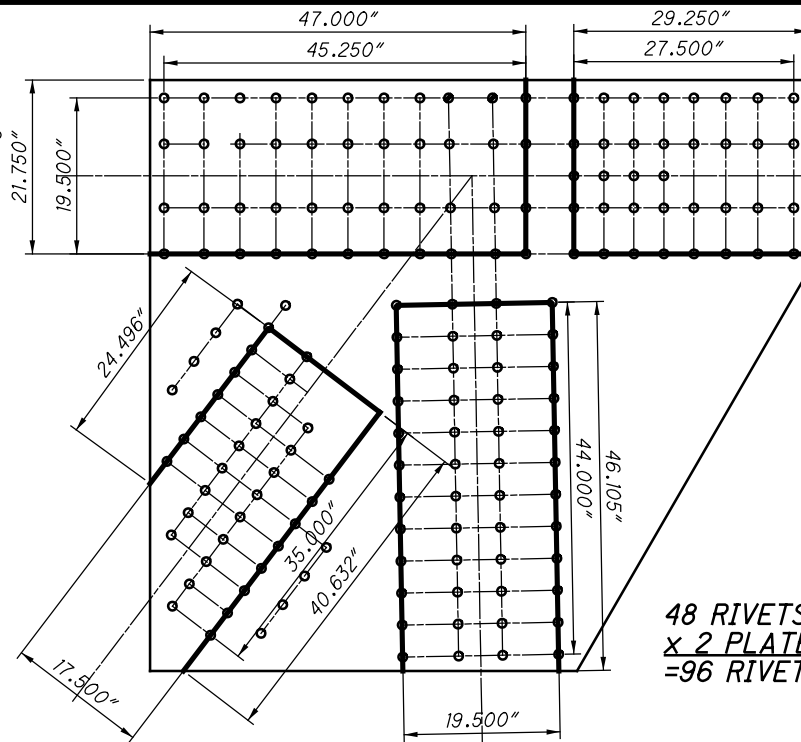


**U118 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



44 RIVETS
 x 2 PLATES
 =88 RIVETS

11181
 U1U2



21118 AND 31118

11185
 U2U3

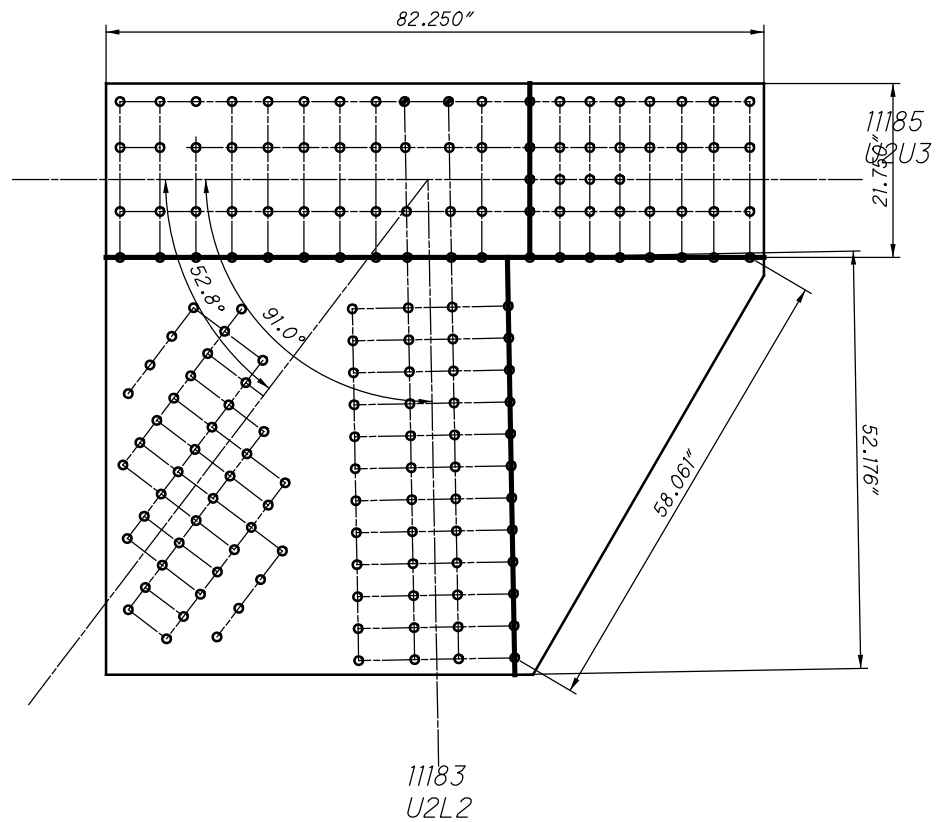
36 RIVETS
 x 2 PLATES
 =72 RIVETS

33 RIVETS
 x 2 PLATES
 =66 RIVETS

48 RIVETS
 x 2 PLATES
 =96 RIVETS

**U118 INSIDE
 BLOCK SHEAR AND FASTENER CHECK
 GROSS TENSILE WIDTH**

11181
 U1U2

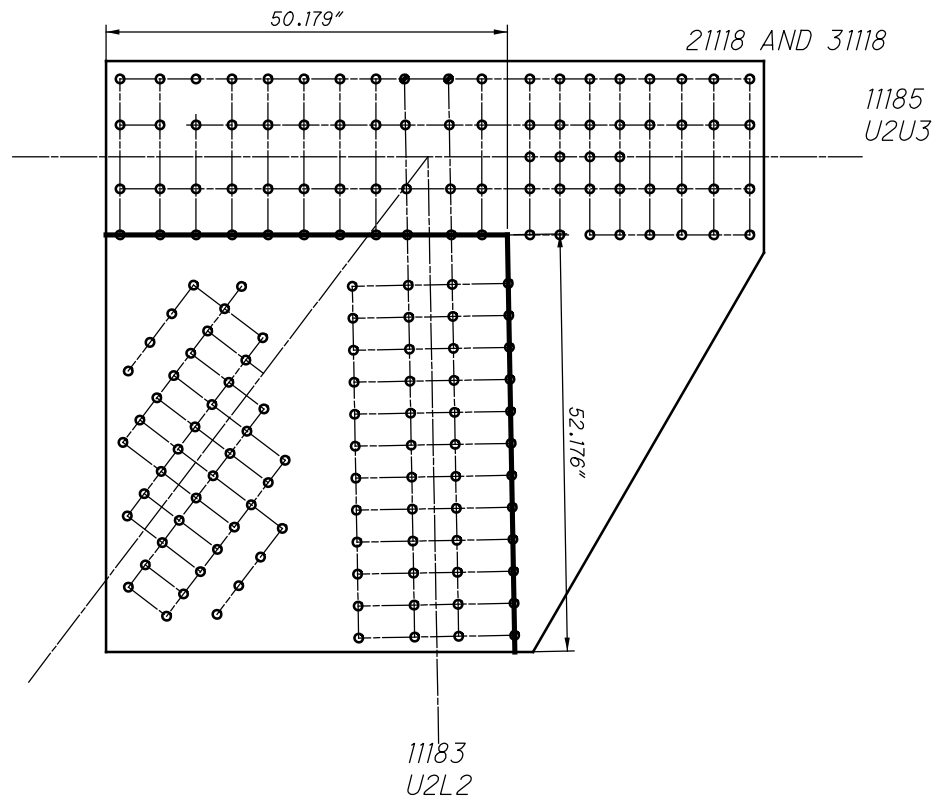


11182
 U2L1

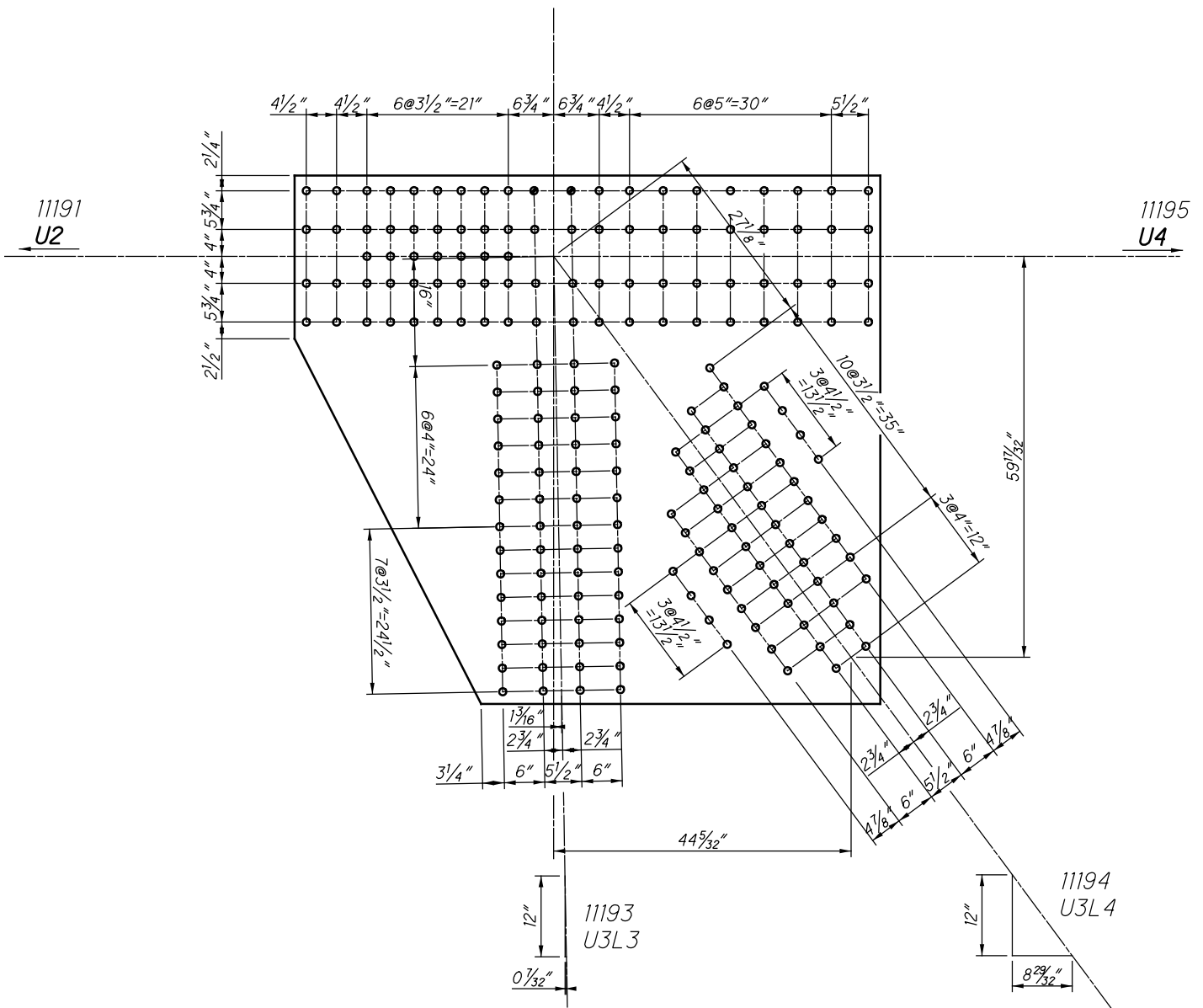
11183
 U2L2

**U118 INSIDE
 SHEAR AND FREE EDGE CHECK**

11181
U1U2



**U118 INSIDE
QUADRANT DIMENSIONS**

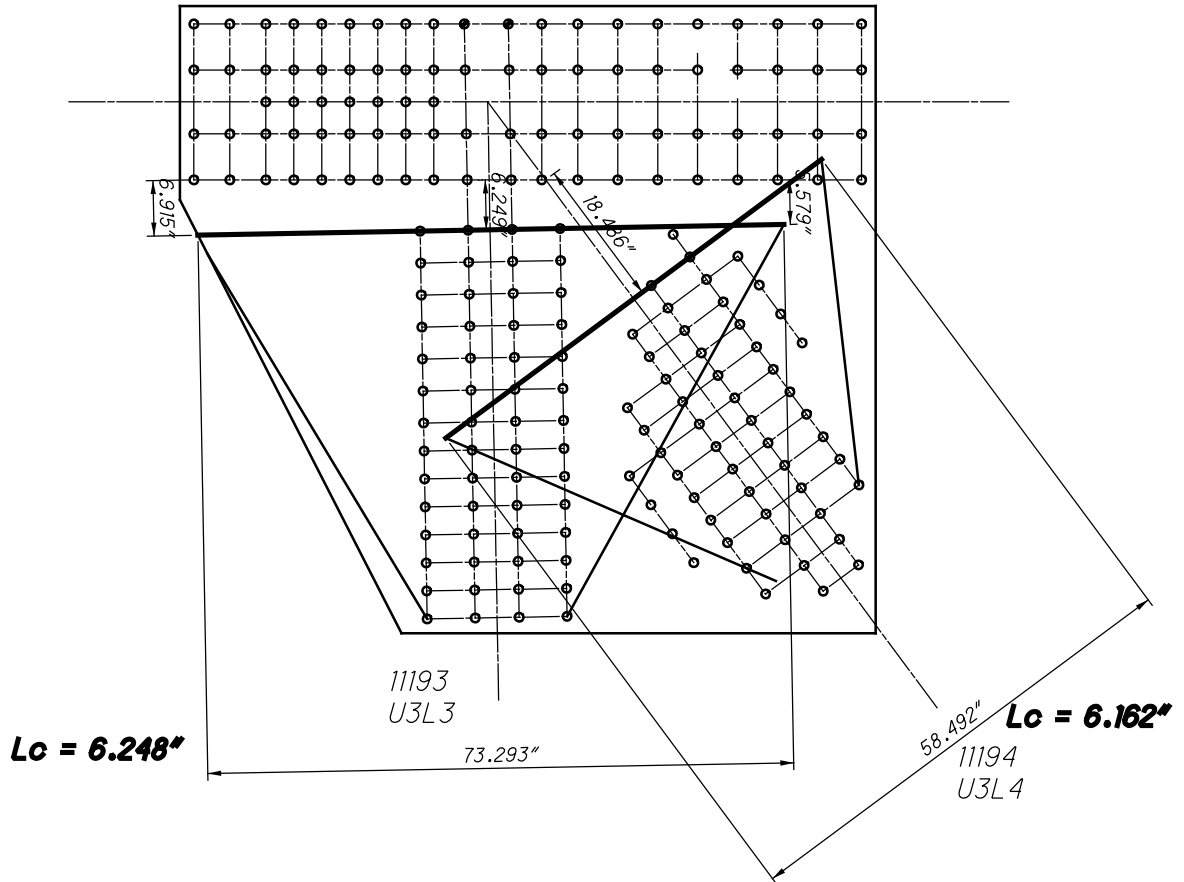


**U119 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

21119 AND 31119

11191
U2U3

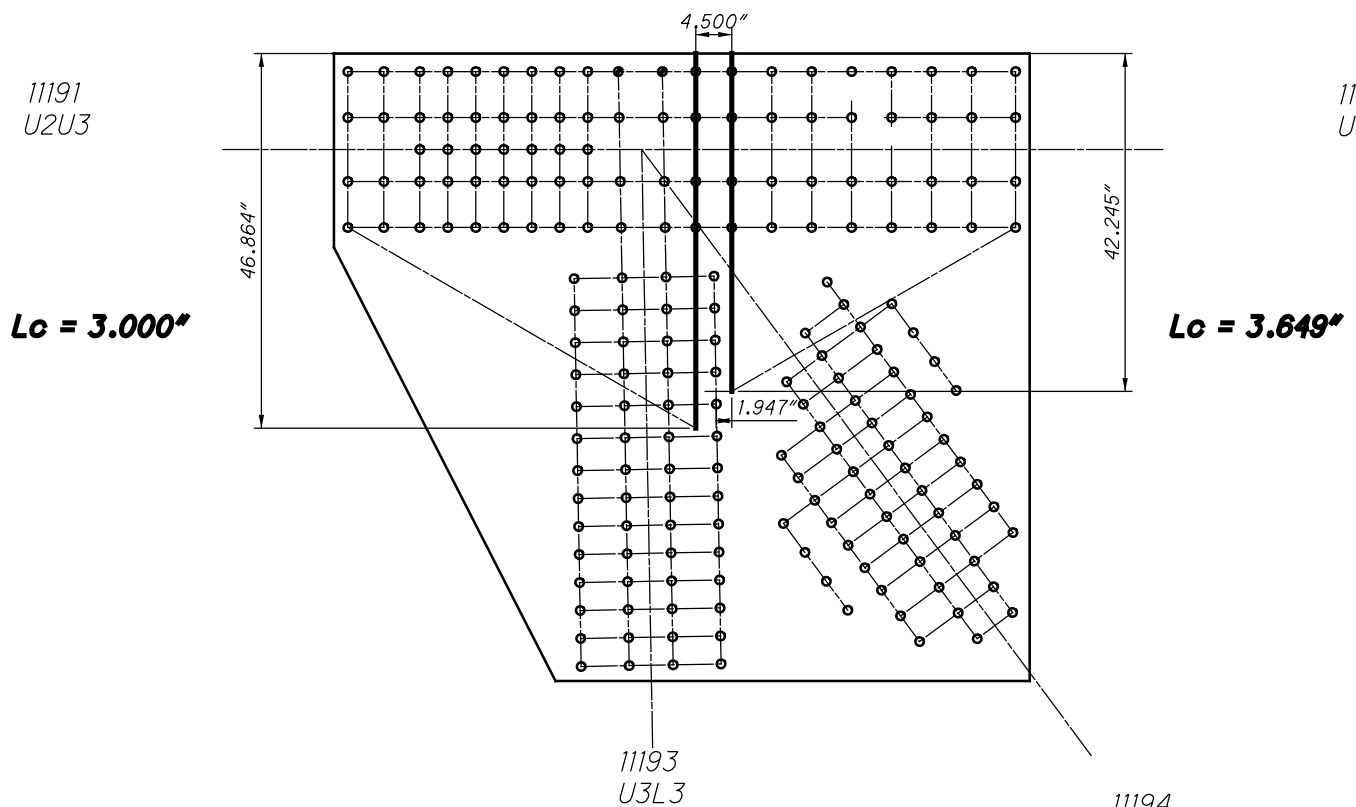
11195
U3U4



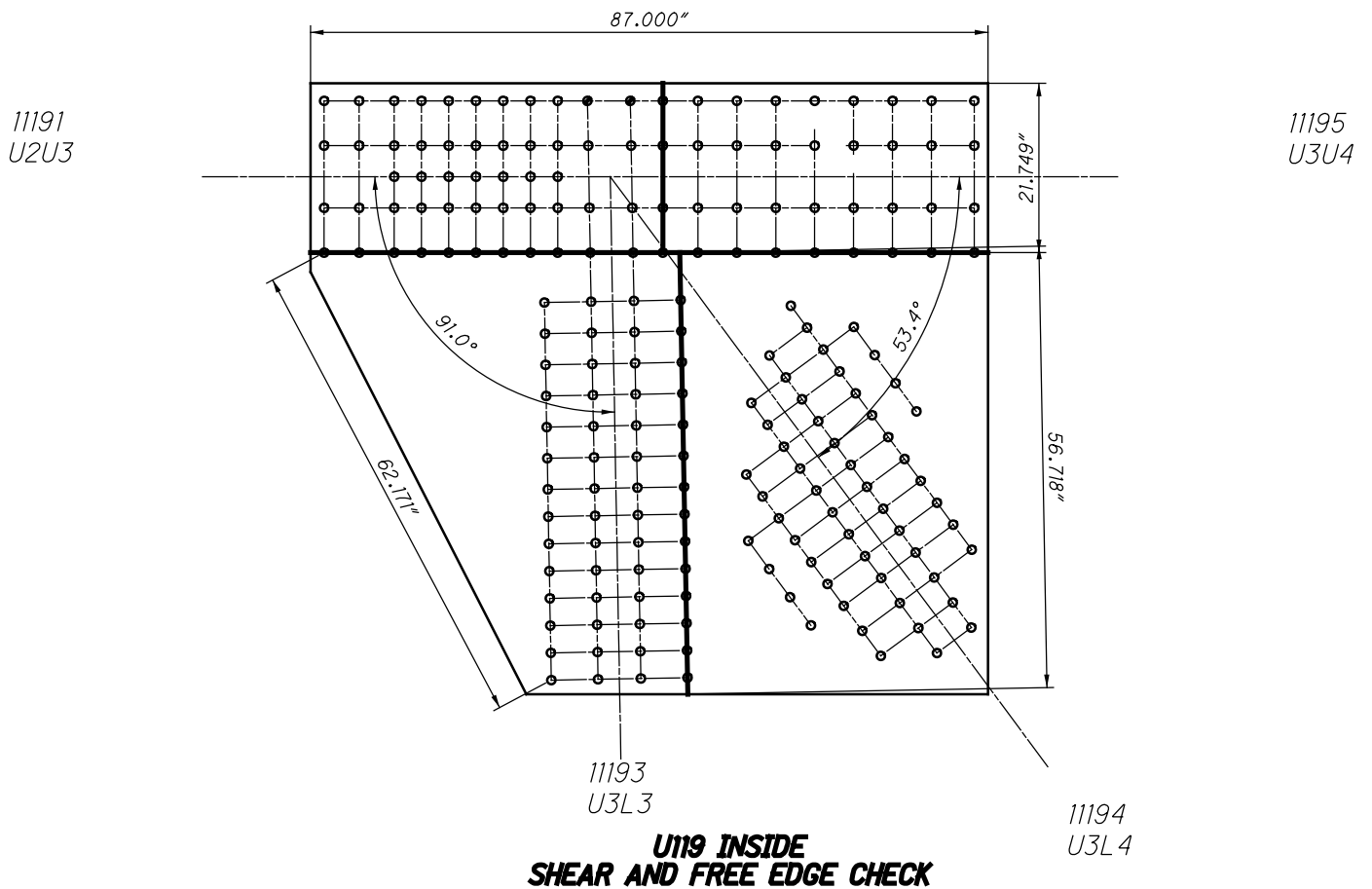
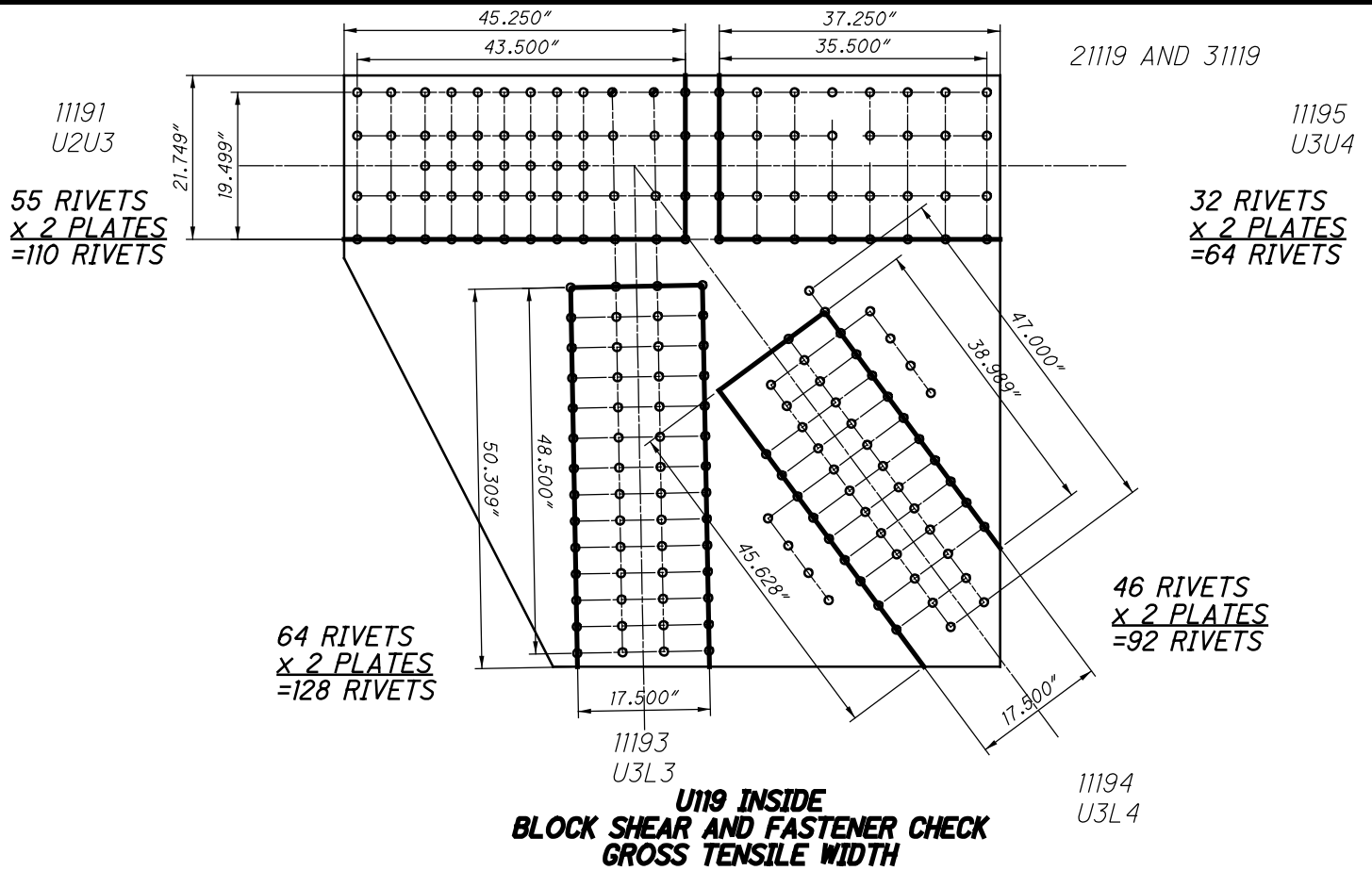
**U119 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11191
U2U3

11195
U3U4



**U119 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



11191
U2U3

21119 AND 31119

11195
U3U4

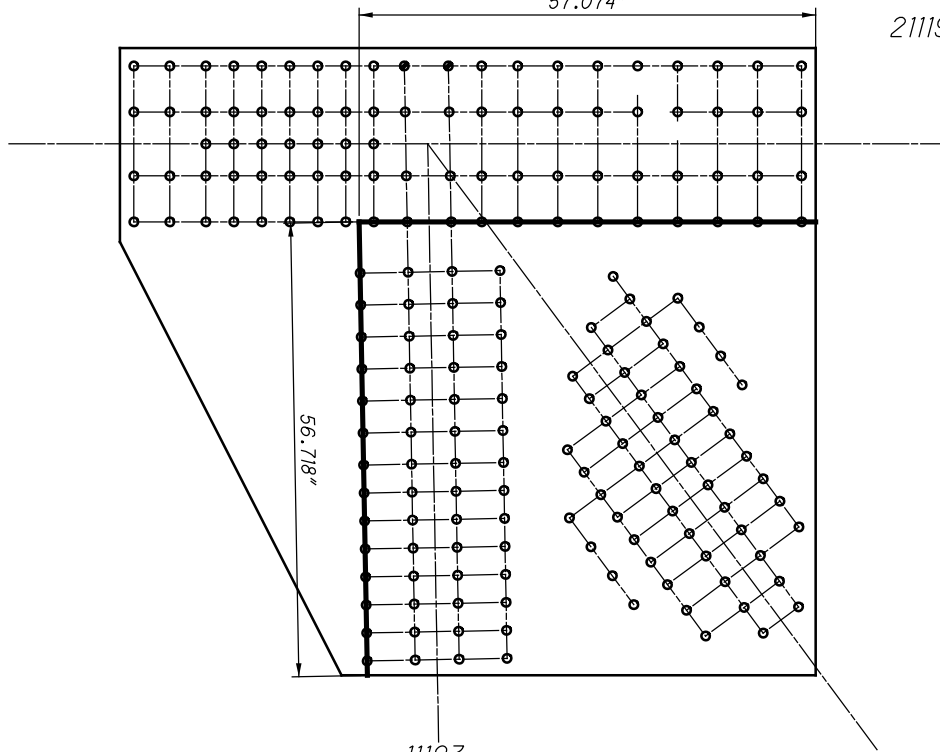
56.718"

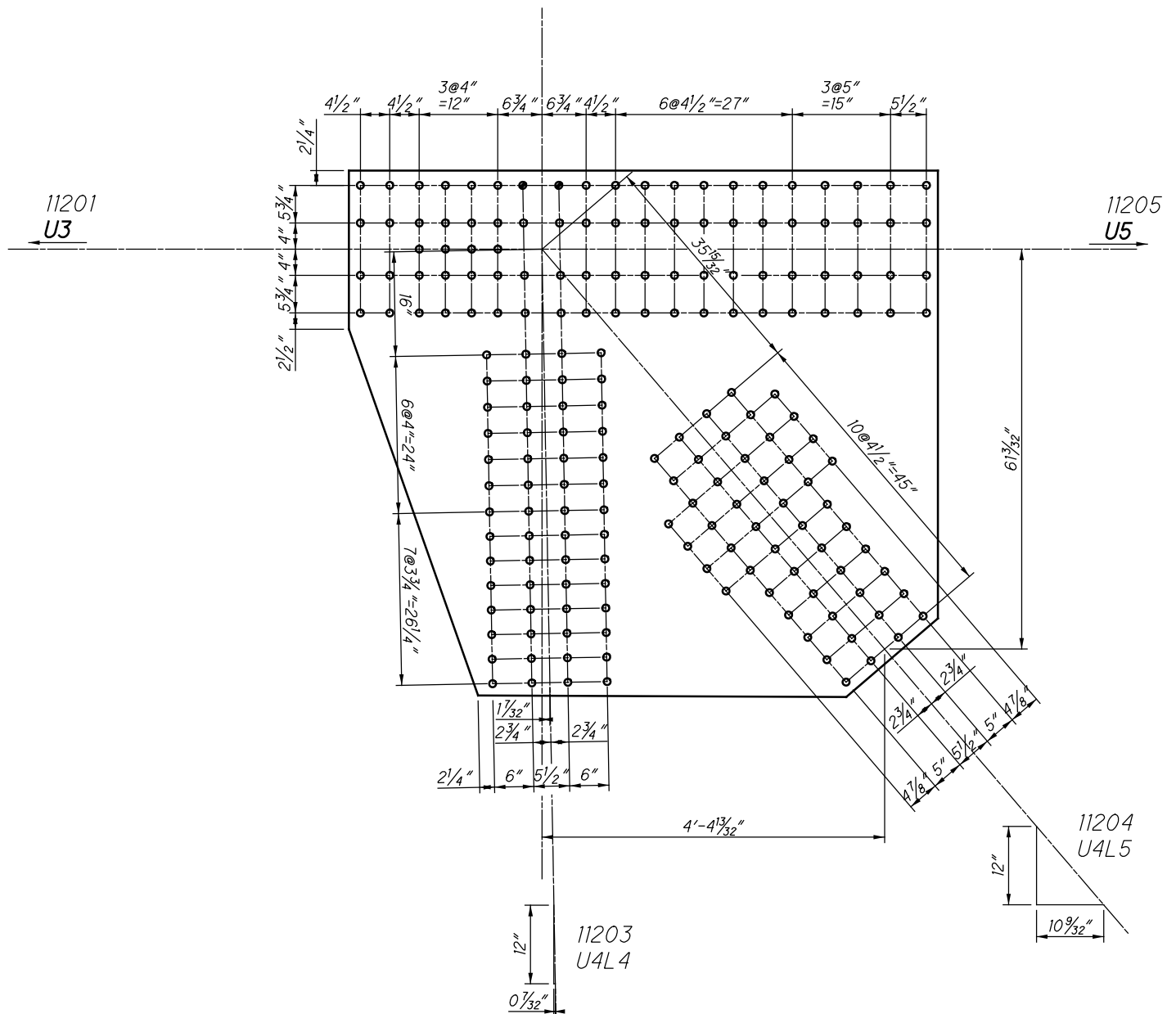
57.074"

11193
U3L3

11194
U3L4

**U119 INSIDE
QUADRANT DIMENSIONS**





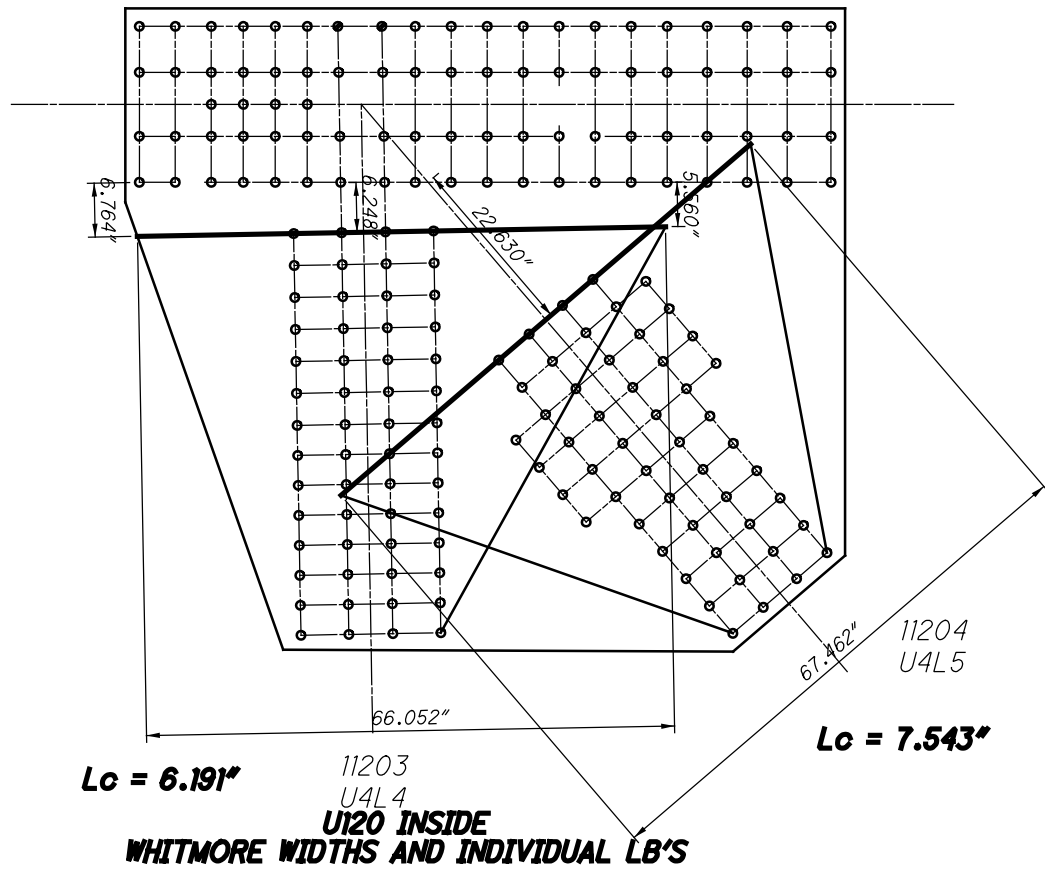
**U120 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

CHORD IS CONTINUOUS

21120 AND 31120

11201
U3U4

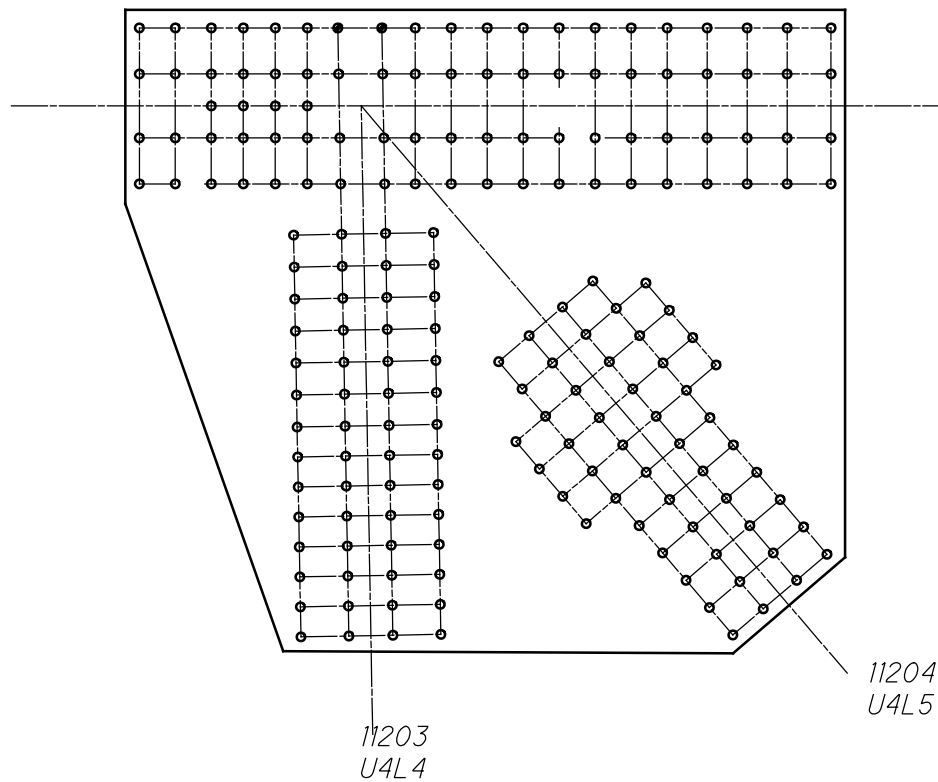
11205
U4U5



**U120 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11201
U3U4

11205
U4U5



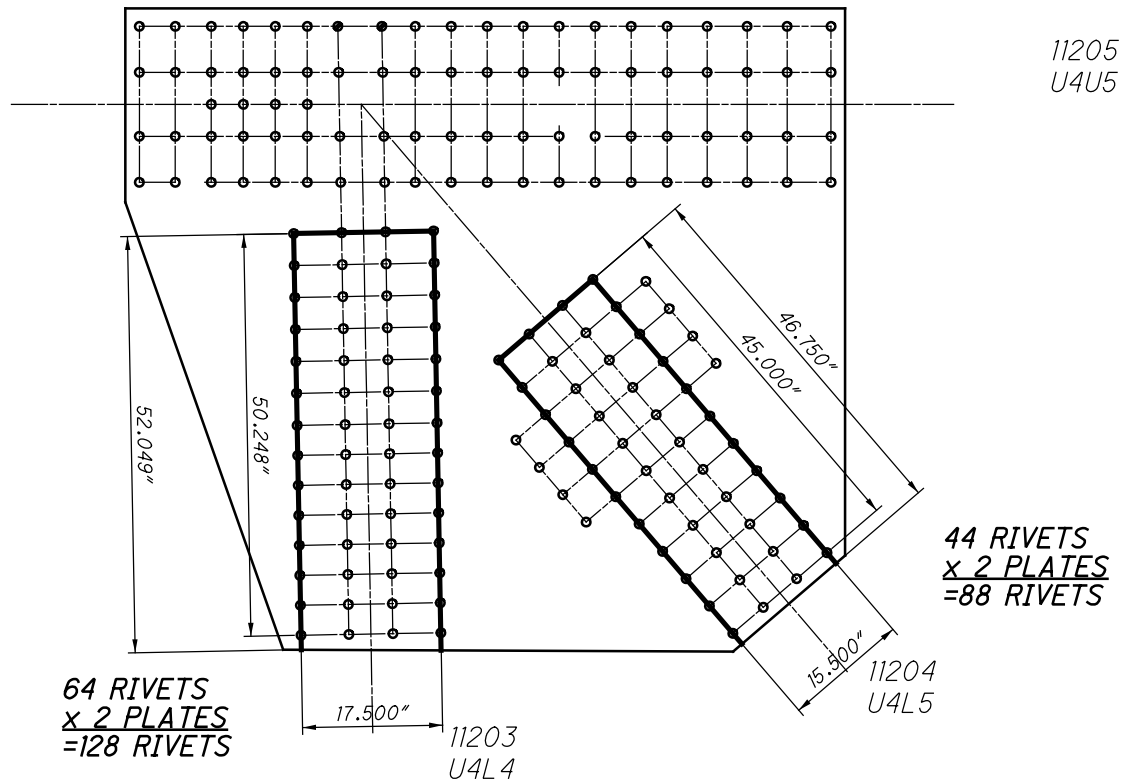
**U120 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

21120 AND 31120

11201
U3U4

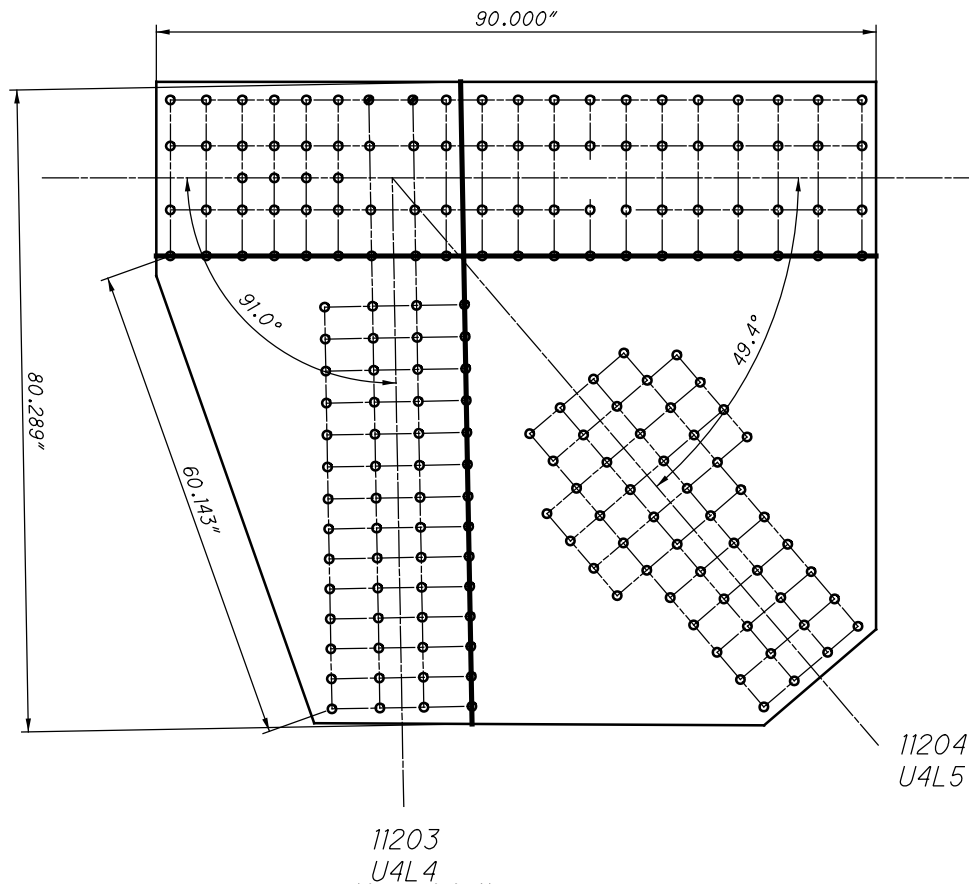
11205
U4U5



**U120 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11201
U3U4

11205
U4U5



**U120 INSIDE
SHEAR AND FREE EDGE CHECK**

11201
U3U4

69.074"

21120 AND 31120

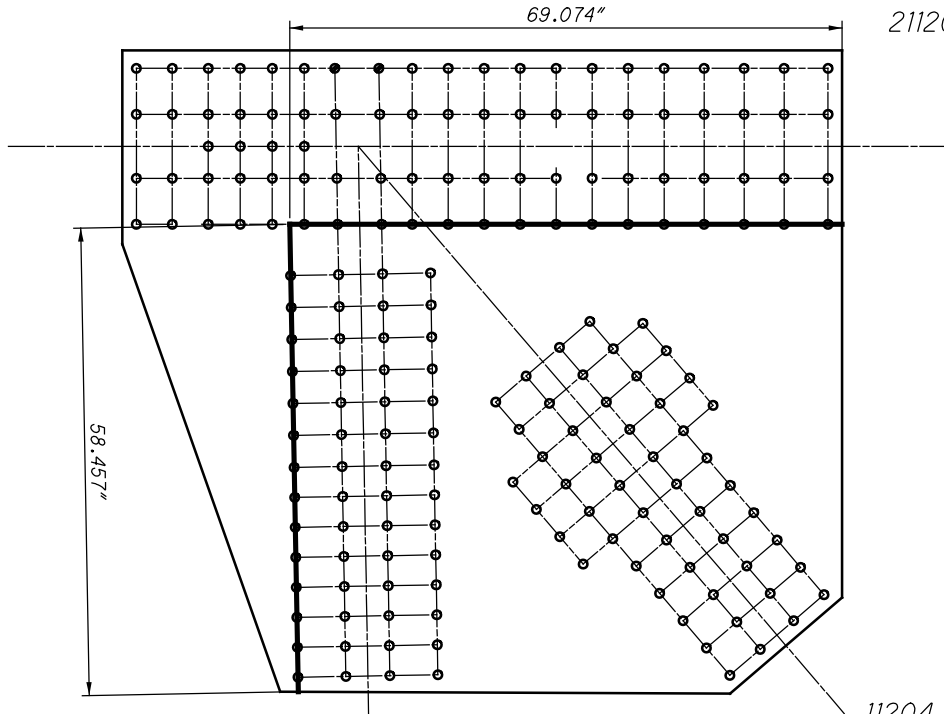
11205
U4U5

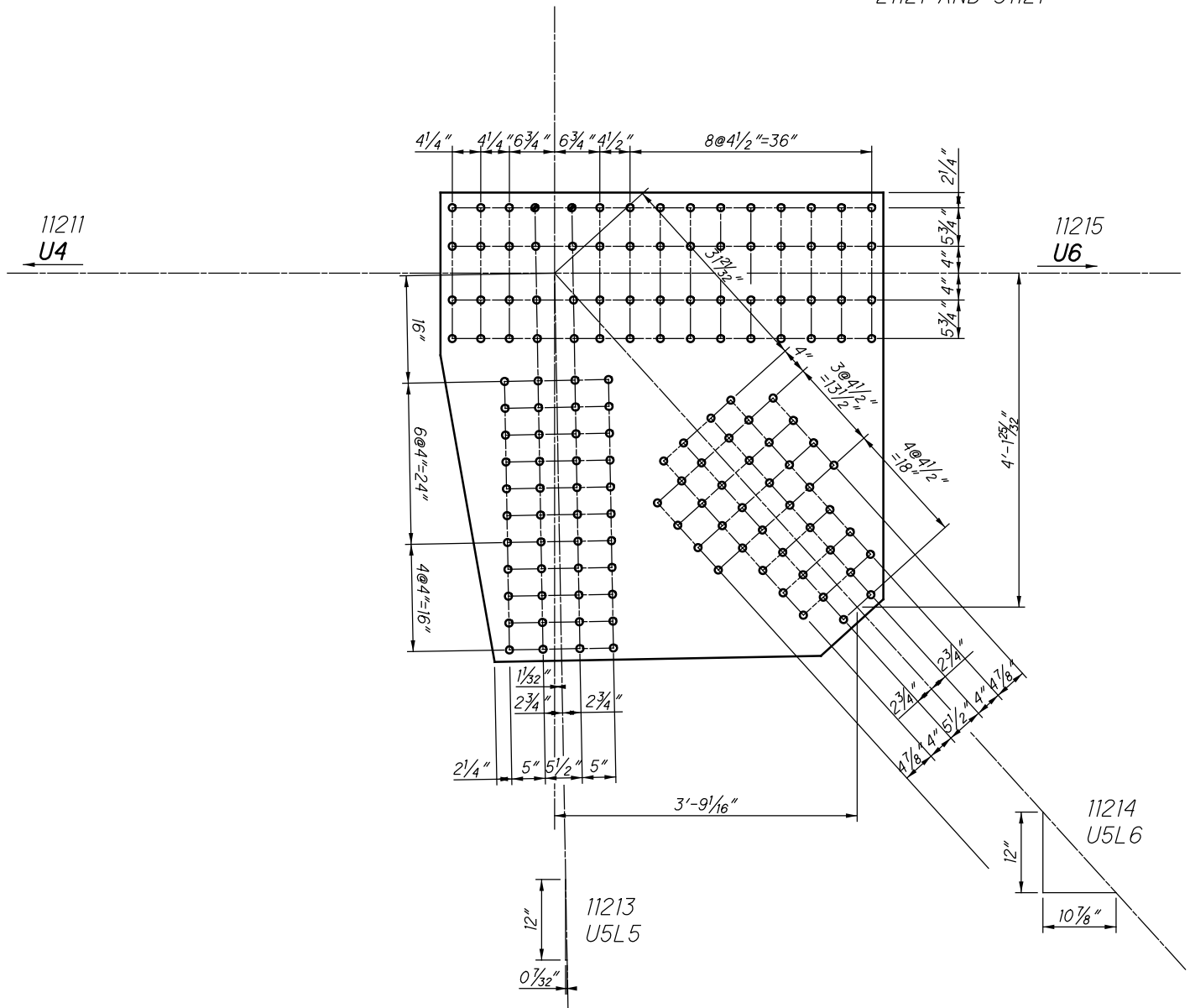
58.457"

11203
U4L4

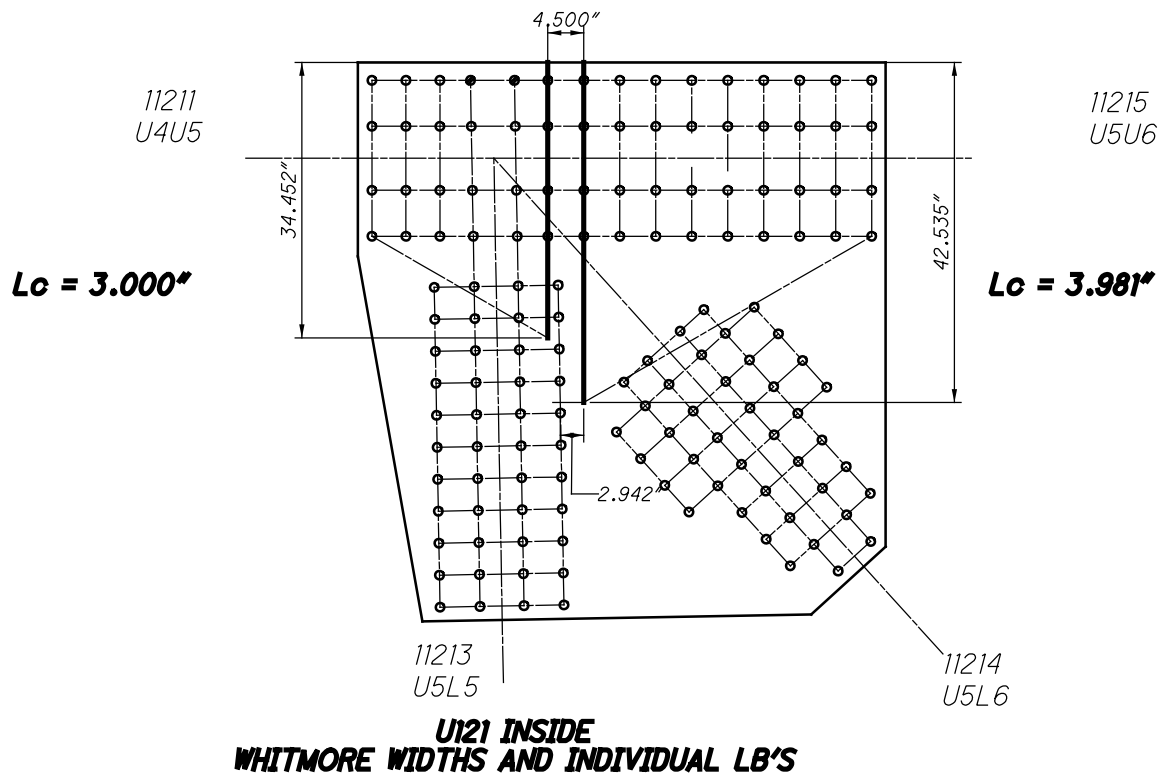
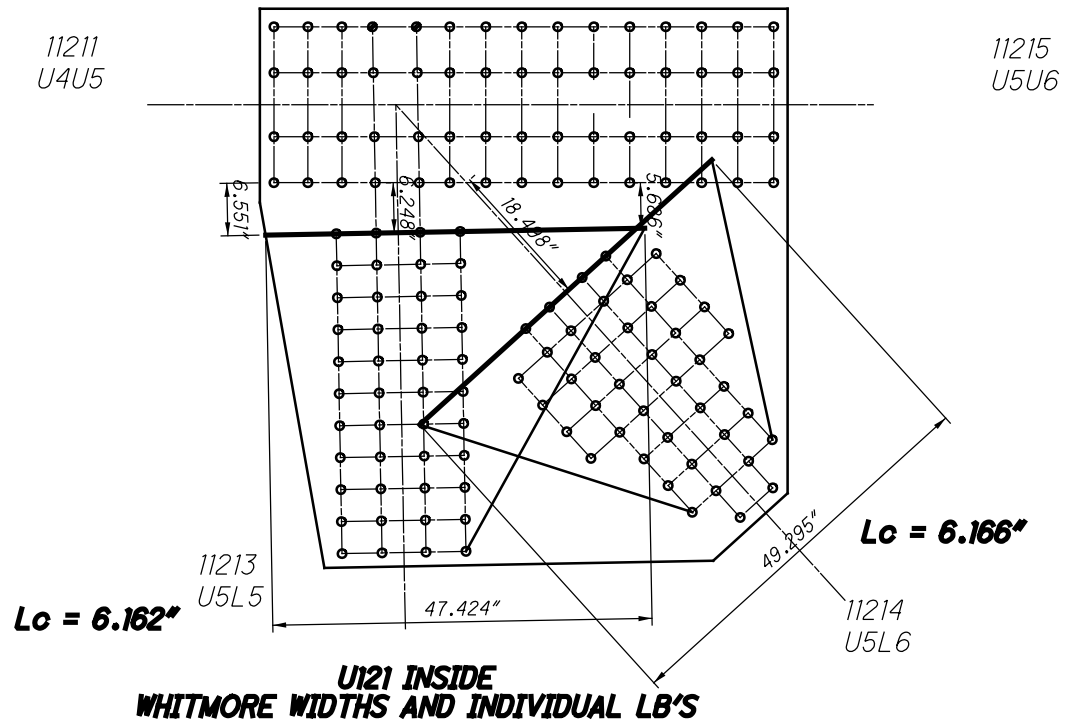
11204
U4L5

**U120 INSIDE
QUADRANT DIMENSIONS**





**U121 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



21121 AND 31121

24 RIVETS
x 2 PLATES
=48 RIVETS

36 RIVETS
x 2 PLATES
=72 RIVETS

11211
U4U5

11215
U5U6

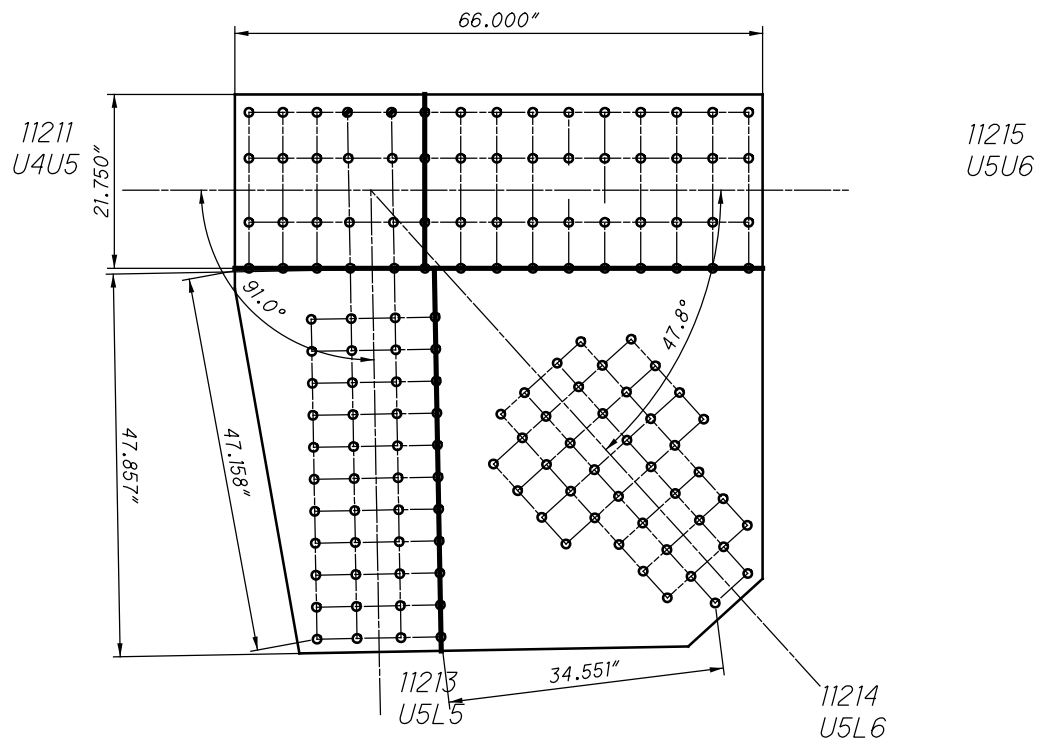
44 RIVETS
x 2 PLATES
=88 RIVETS

34 RIVETS
x 2 PLATES
=68 RIVETS

11214
U5L6

11213
U5L5

**U121 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

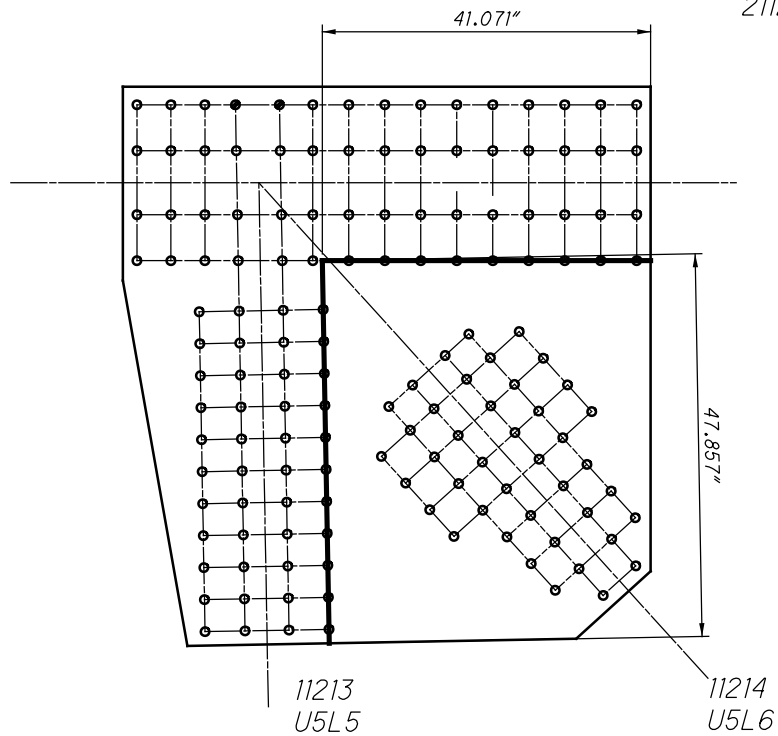


**U121 INSIDE
SHEAR AND FREE EDGE CHECK**

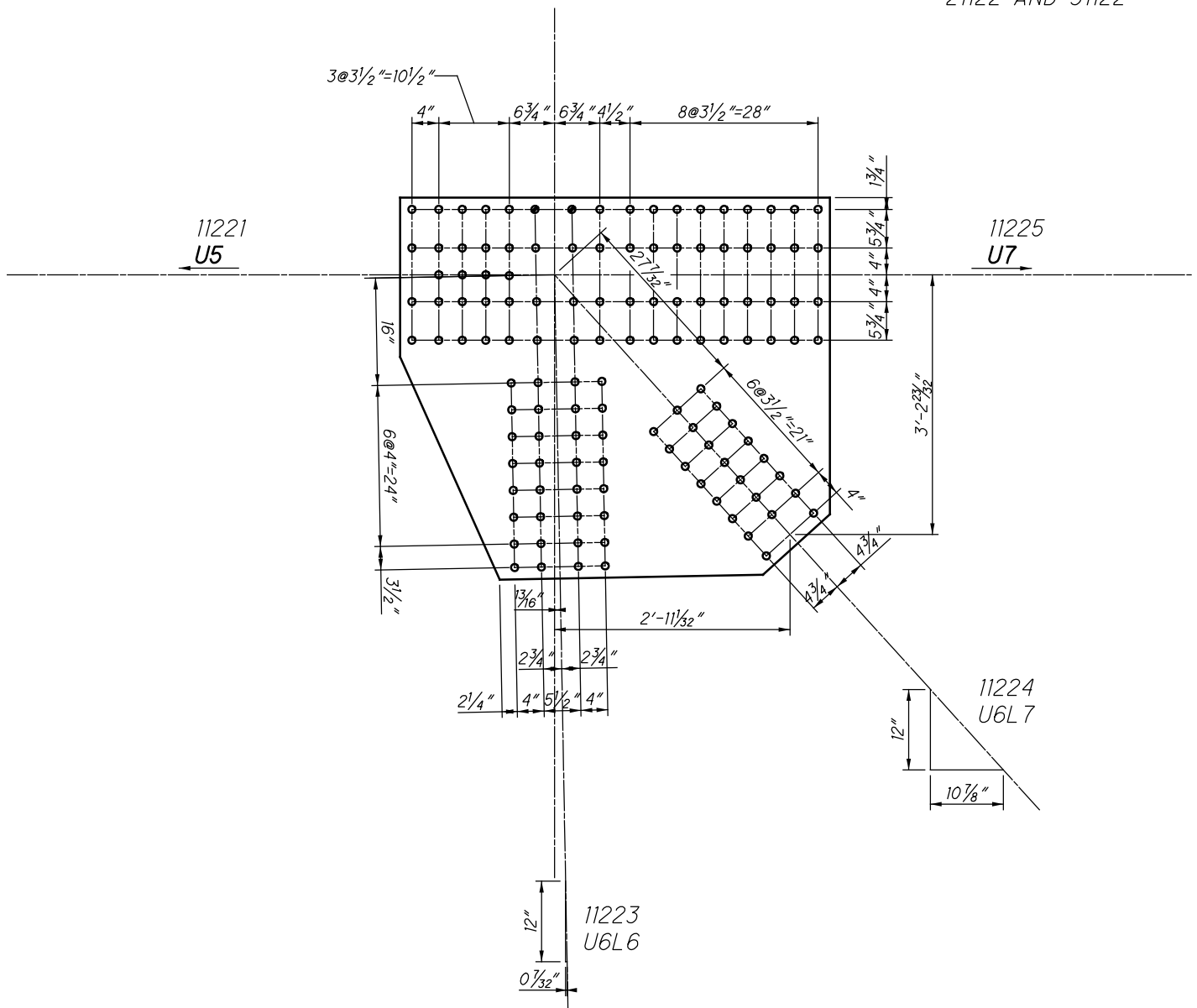
21121 AND 31121

11211
U4U5

11215
U5U6



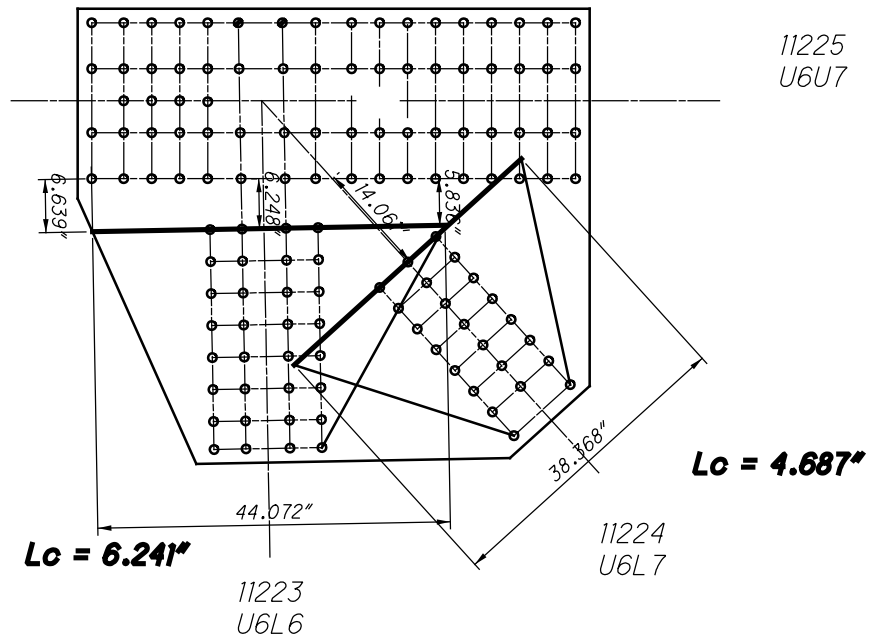
**U121 INSIDE
QUADRANT DIMENSIONS**



**U122 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

11221
U5U6

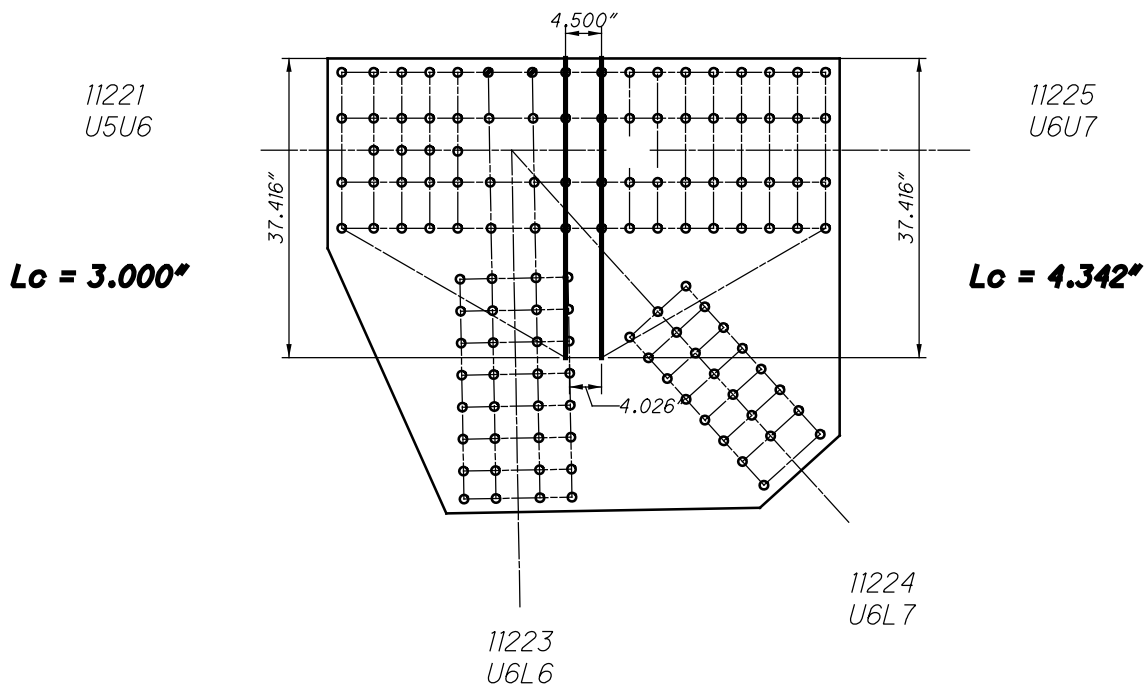
11225
U6U7



**U122 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11221
U5U6

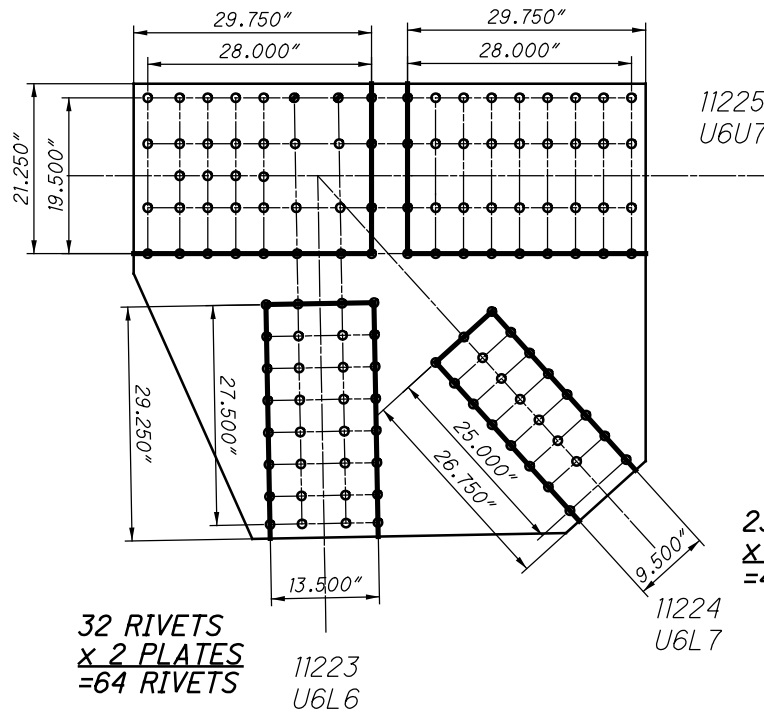
11225
U6U7



**U122 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

36 RIVETS
x 2 PLATES
=72 RIVETS

11221
U5U6



21122 AND 31122

36 RIVETS
x 2 PLATES
=72 RIVETS

11225
U6U7

23 RIVETS
x 2 PLATES
=46 RIVETS

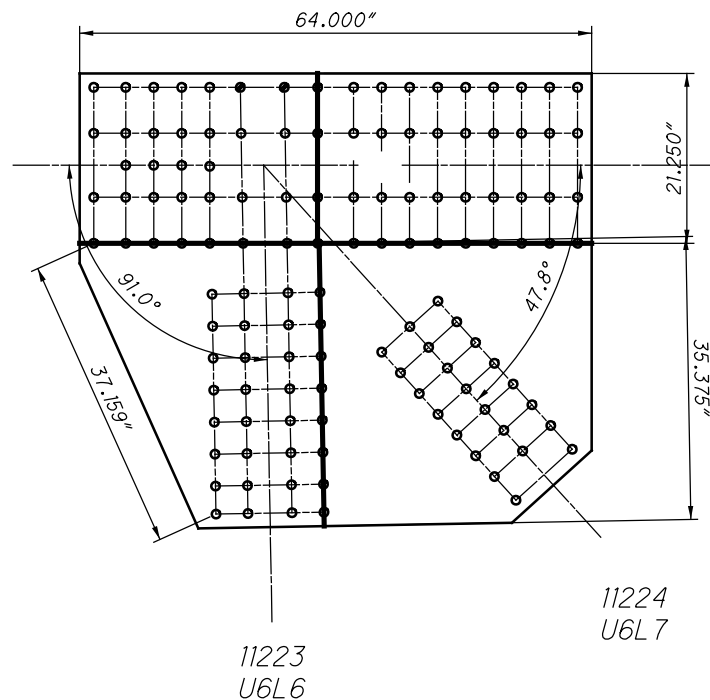
11224
U6L7

32 RIVETS
x 2 PLATES
=64 RIVETS

11223
U6L6

**U122 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11221
U5U6



11225
U6U7

11224
U6L7

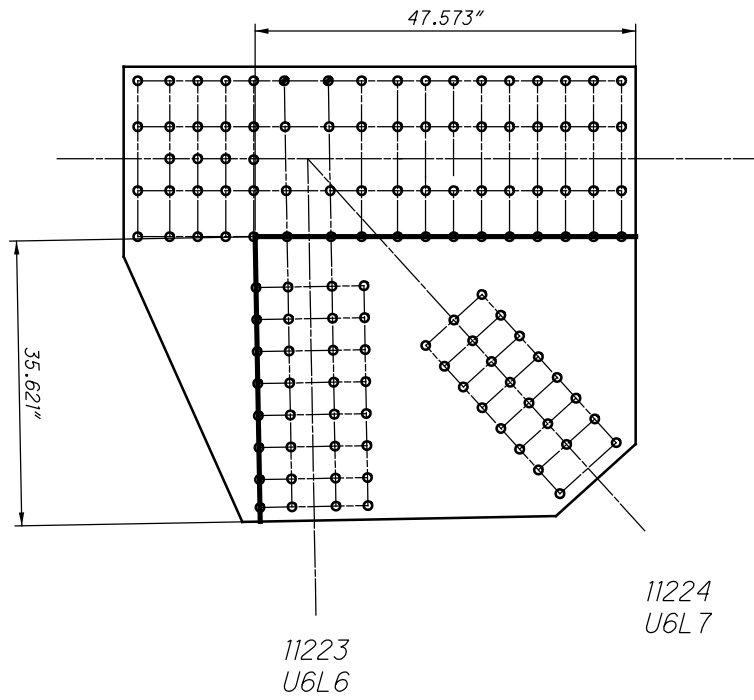
11223
U6L6

**U122 INSIDE
SHEAR AND FREE EDGE CHECK**

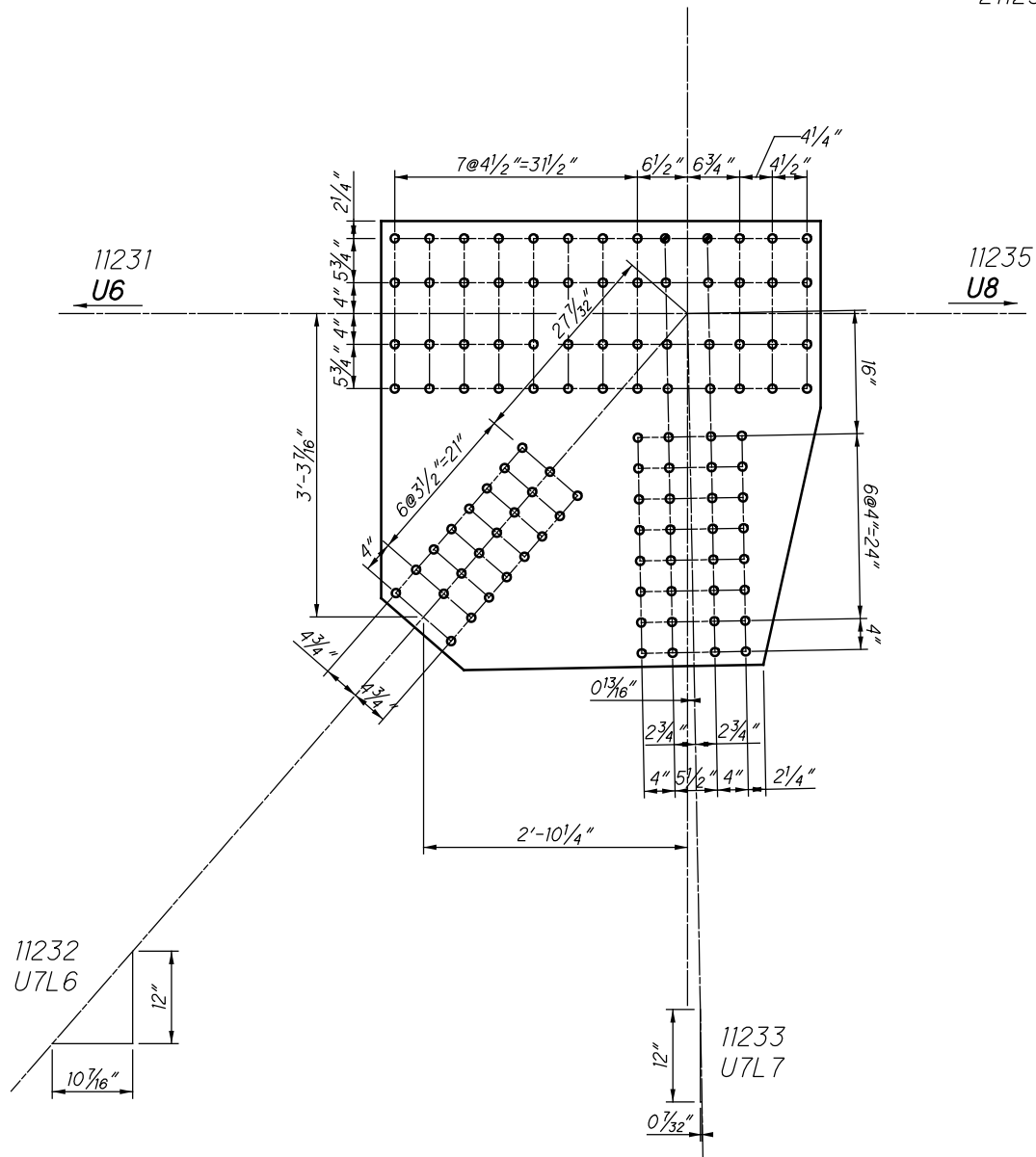
21122 AND 31122

11221
U5U6

11225
U6U7



**U122 INSIDE
QUADRANT DIMENSIONS**



**U123 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

CHORD IS CONTINUOUS

21123 AND 31123

11231
U6U7

11235
U7U8

$L_c = 4.766''$

11232
U7L6

39.109"

11233 **$L_c = 6.289''$**
U7L7

**U123 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

11231
U6U7

11235
U7U8

11232
U7L6

11233
U7L7

**U123 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

21123 AND 31123

11231
U6U7

11235
U7U8

23 RIVETS
X 2 PLATES
=46 RIVETS

32 RIVETS
X 2 PLATES
=64 RIVETS

11232
U7L6

11233
U7L7

**U123 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

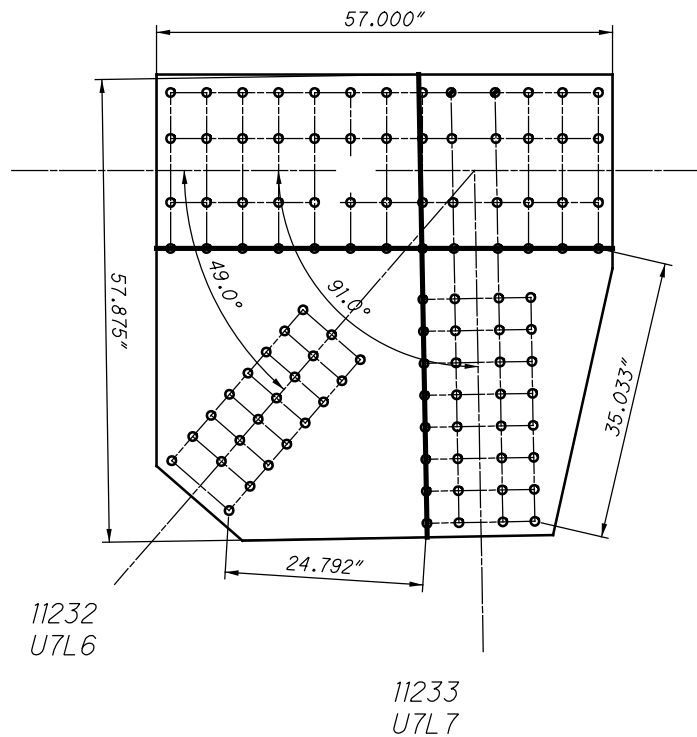
11231
U6U7

11235
U7U8

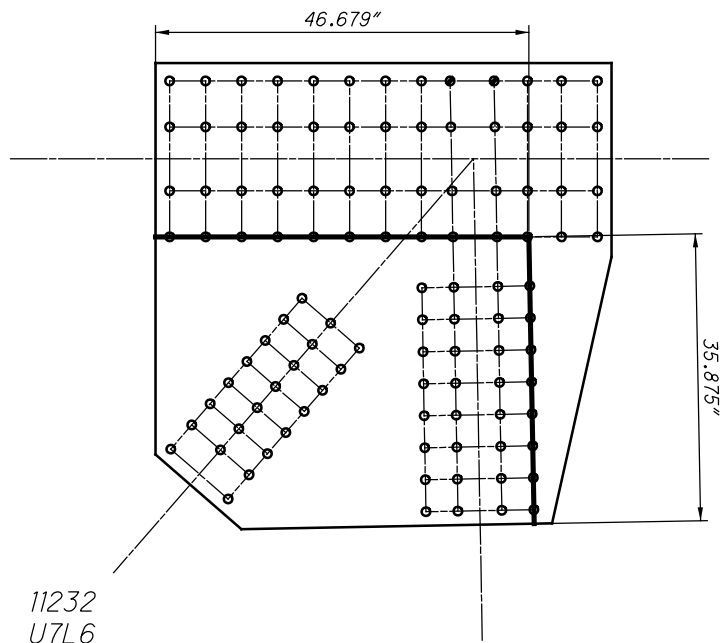
11232
U7L6

11233
U7L7

**U123 INSIDE
SHEAR AND FREE EDGE CHECK**



11231
U6U7



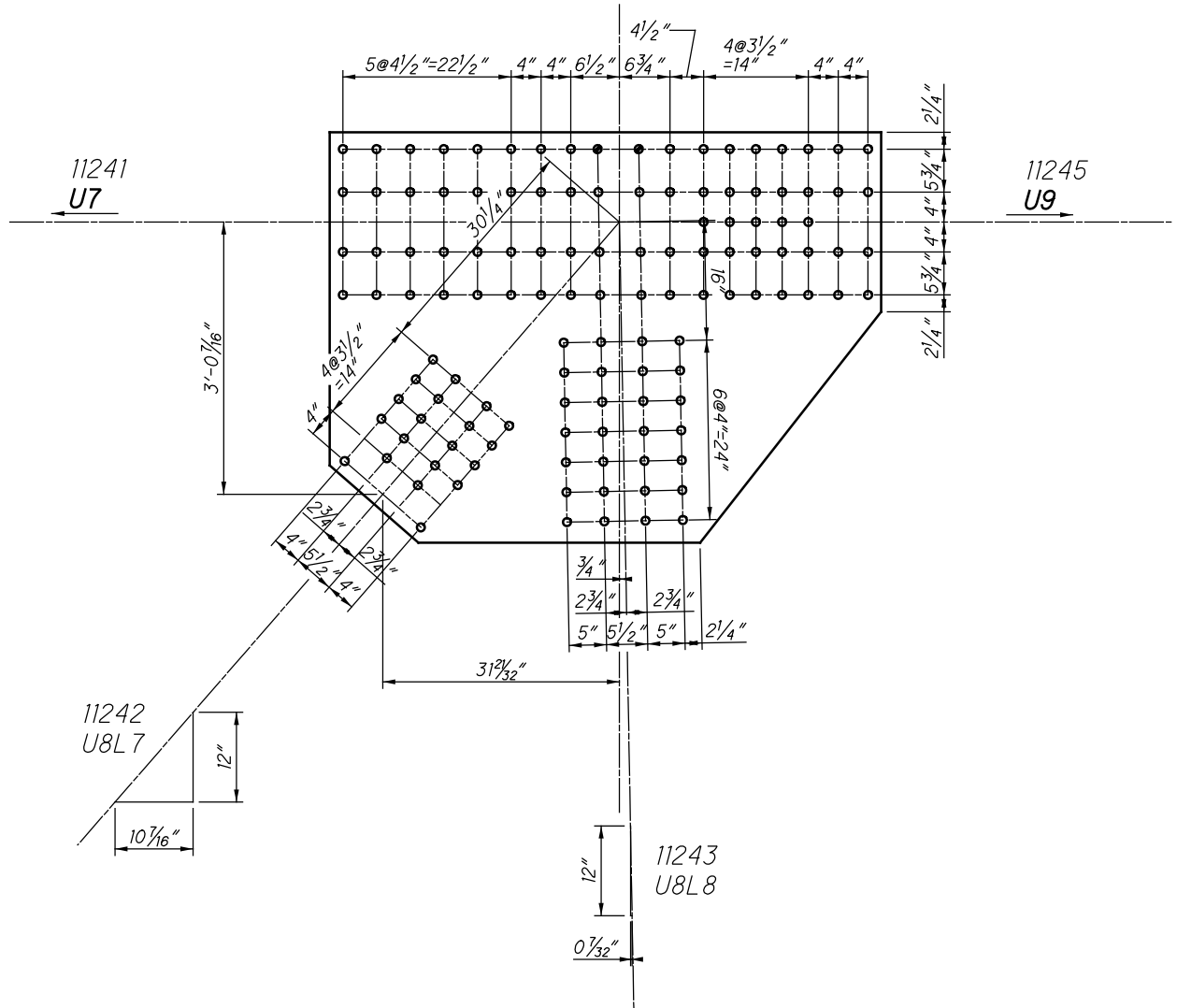
21123 AND 31123

11235
U7U8

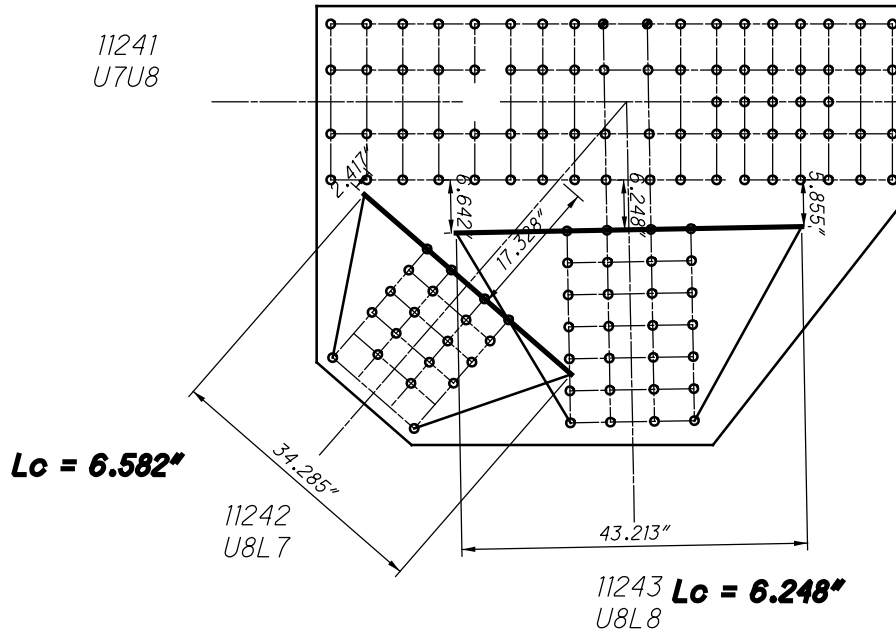
11232
U7L6

11233
U7L7

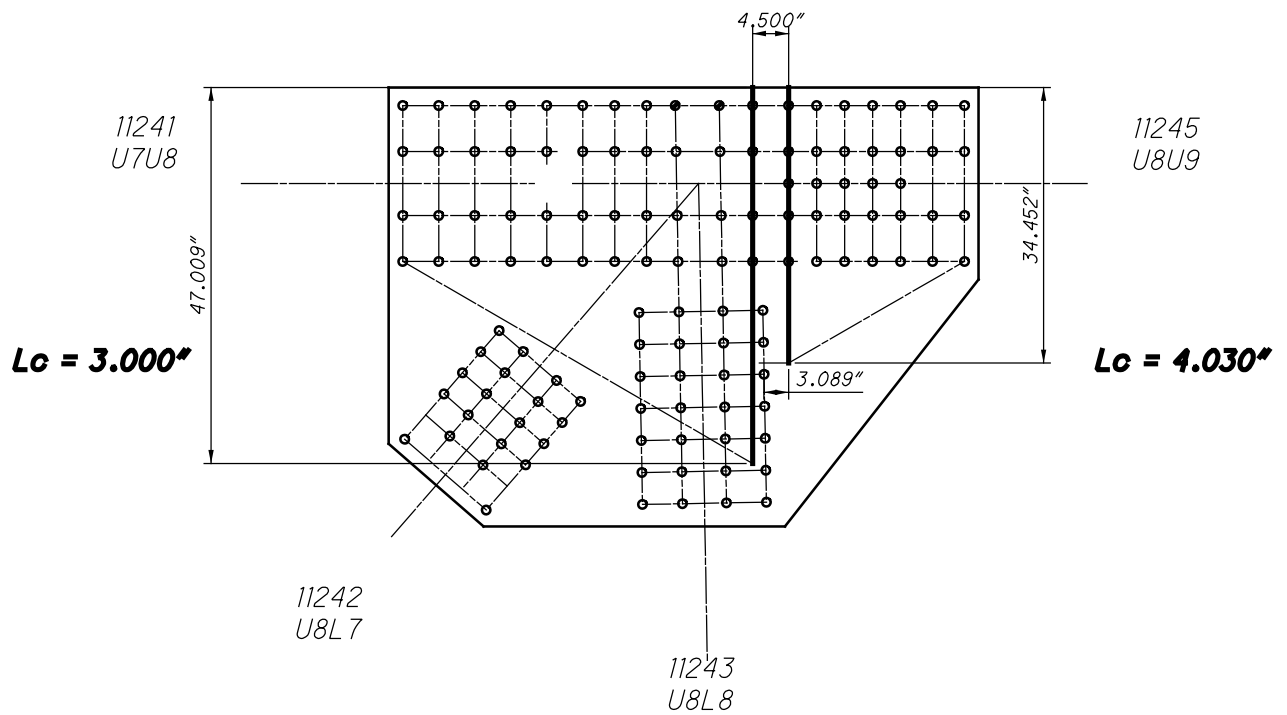
**U123 INSIDE
QUADRANT DIMENSIONS**



**U124 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

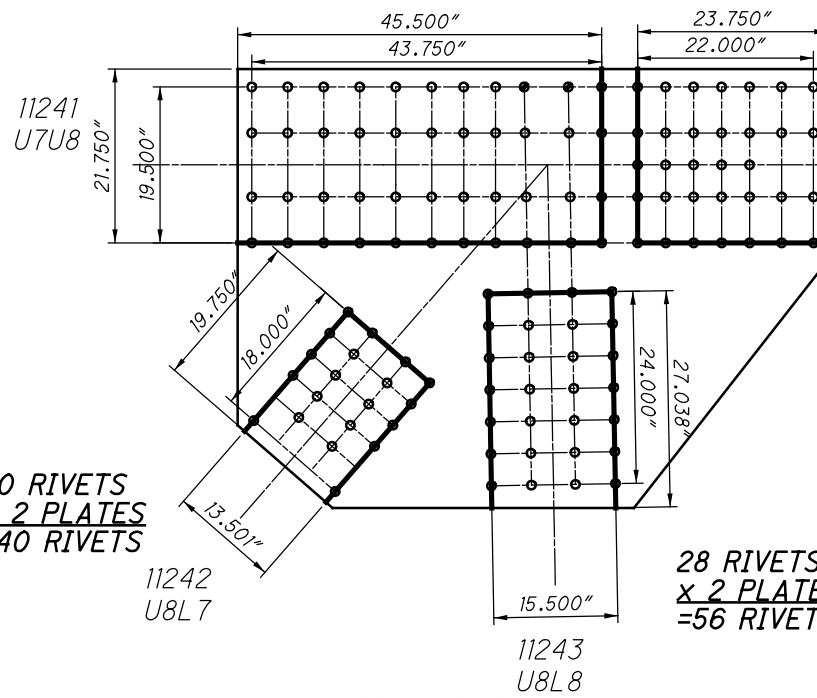


**U124 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U124 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

44 RIVETS
x 2 PLATES
=88 RIVETS

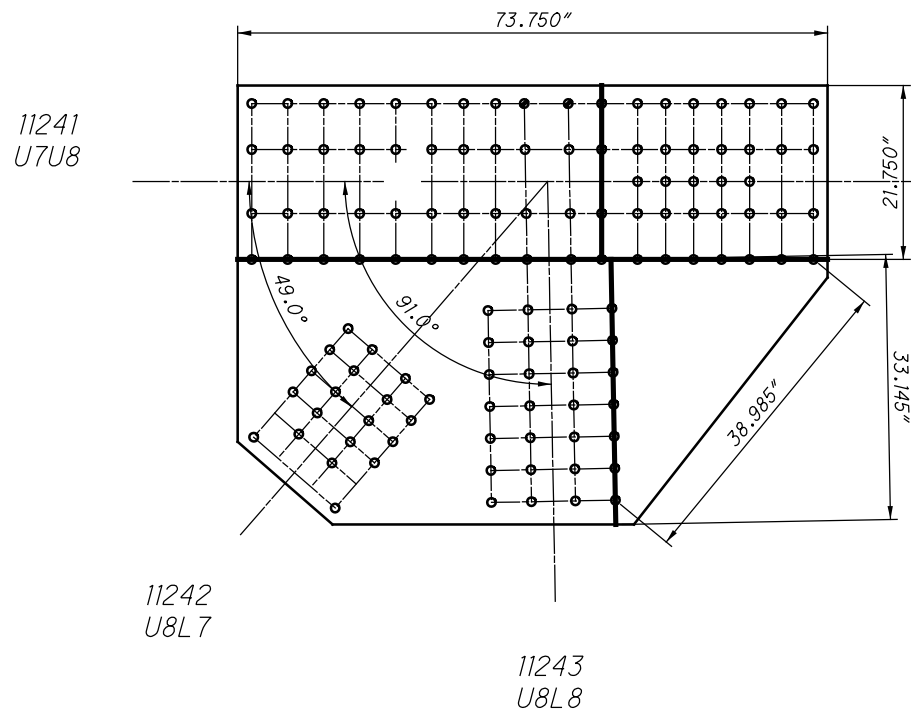


21124 AND 31124

11245
U8U9

33 RIVETS
x 2 PLATES
=66 RIVETS

**U124 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

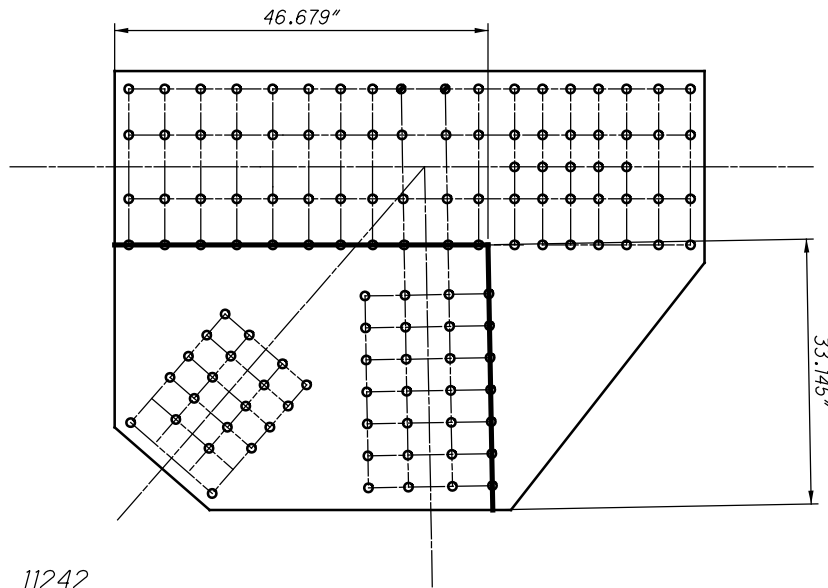


**U124 INSIDE
SHEAR AND FREE EDGE CHECK**

11241
U7U8

21124 AND 31124

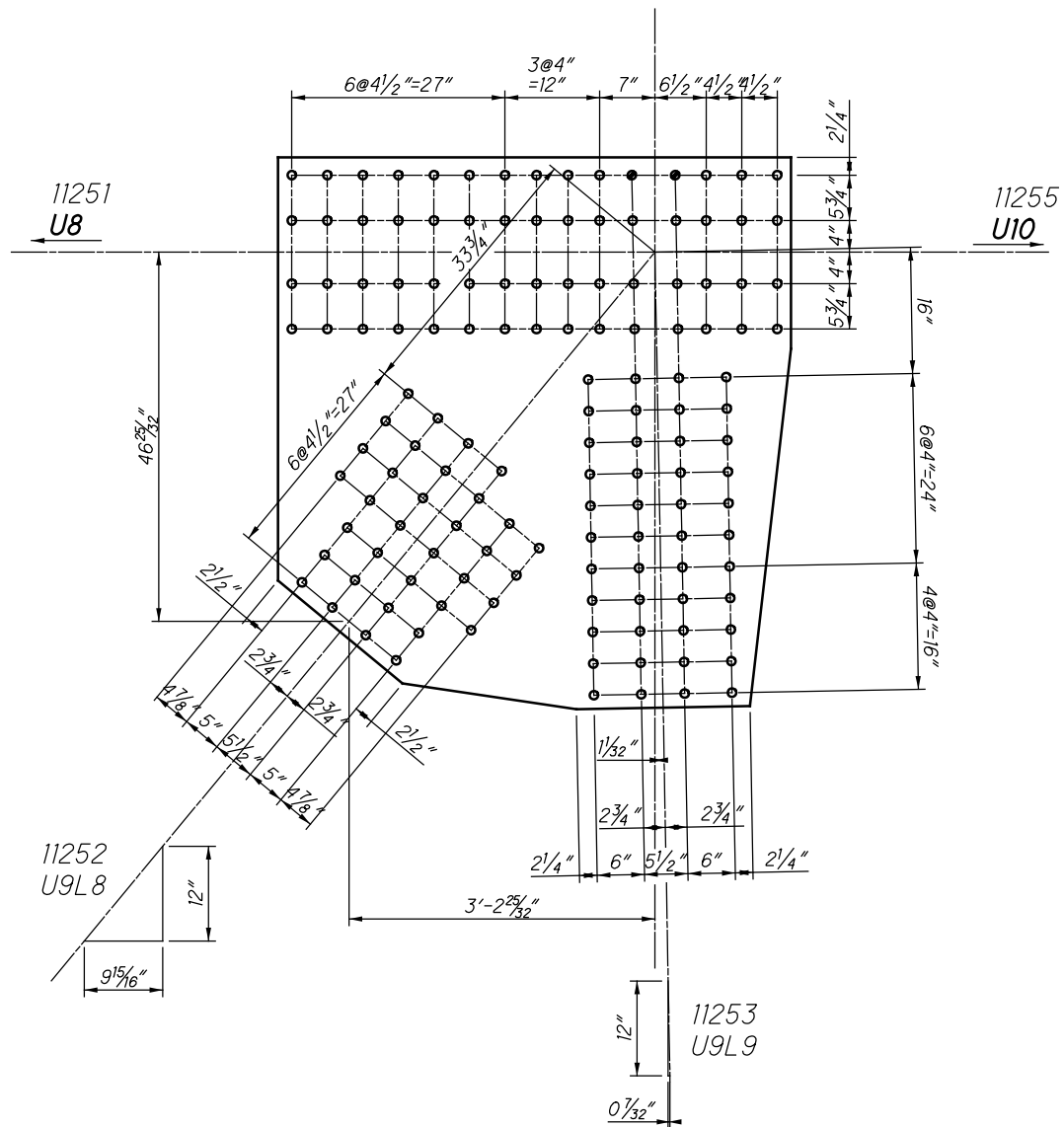
11245
U8U9



11242
U8L7

11243
U8L8

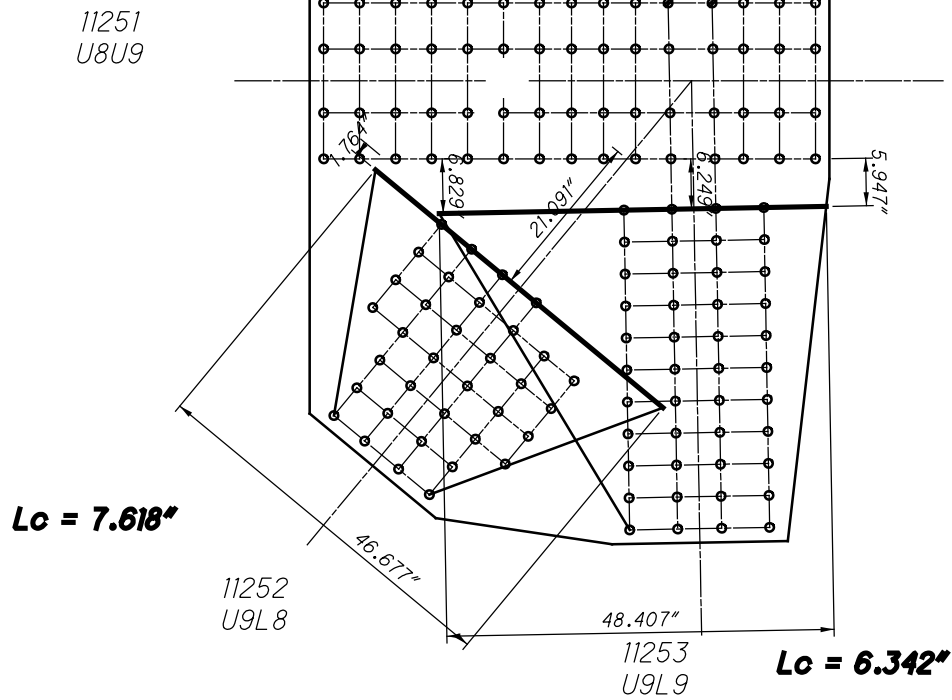
**U124 INSIDE
QUADRANT DIMENSIONS**



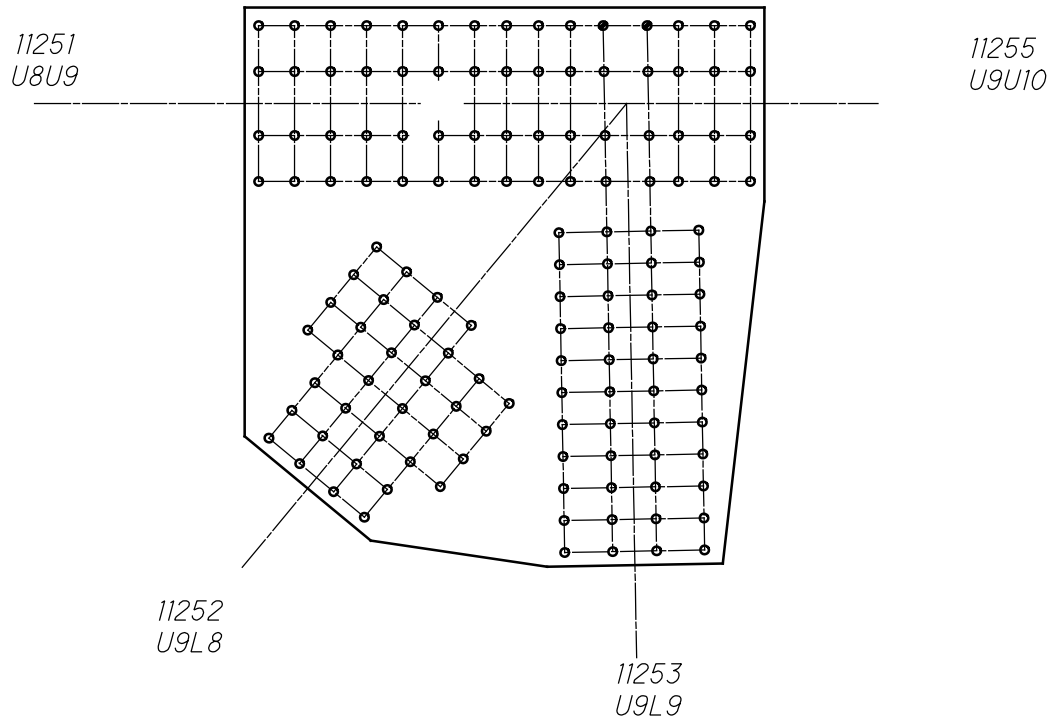
**U125 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

CHORD IS CONTINUOUS

21125 AND 31125



**U125 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**U125 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

CHORD IS CONTINUOUS

21125 AND 31125

11251
U8U9

11255
U9U10

28 RIVETS
x 2 PLATES
=56 RIVETS

11252
U9L8

11253
U9L9

44 RIVETS
x 2 PLATES
=88 RIVETS

**U125 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

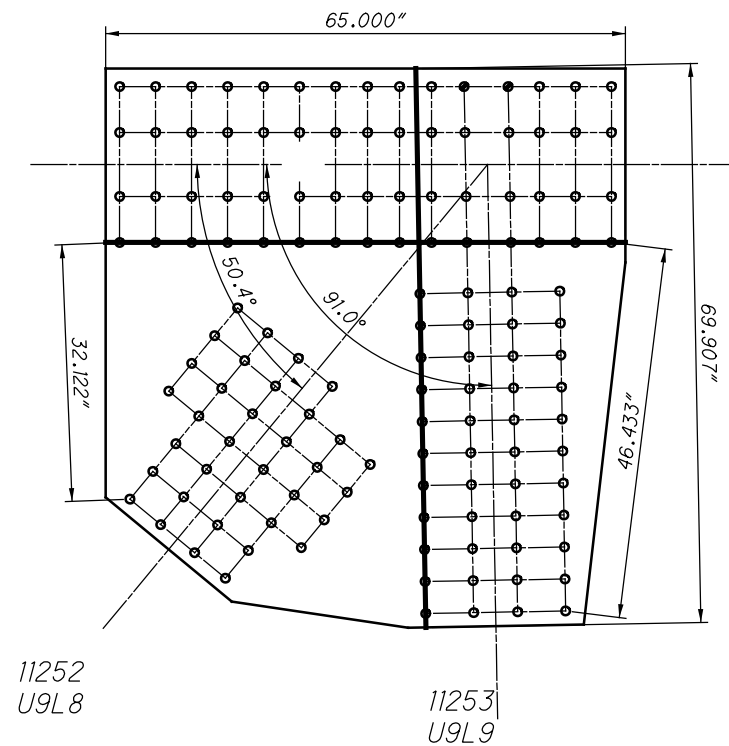
11251
U8U9

11255
U9U10

11252
U9L8

11253
U9L9

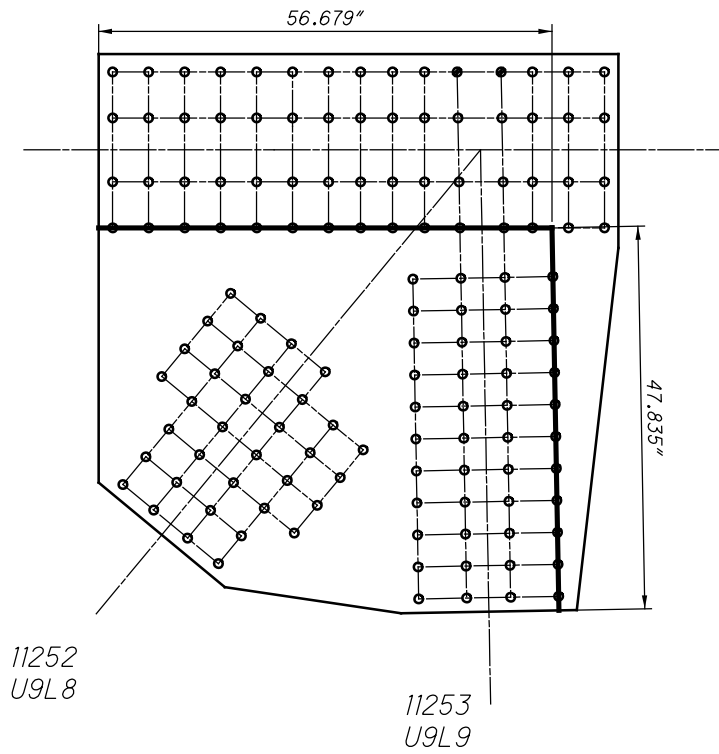
**U125 INSIDE
SHEAR AND FREE EDGE CHECK**



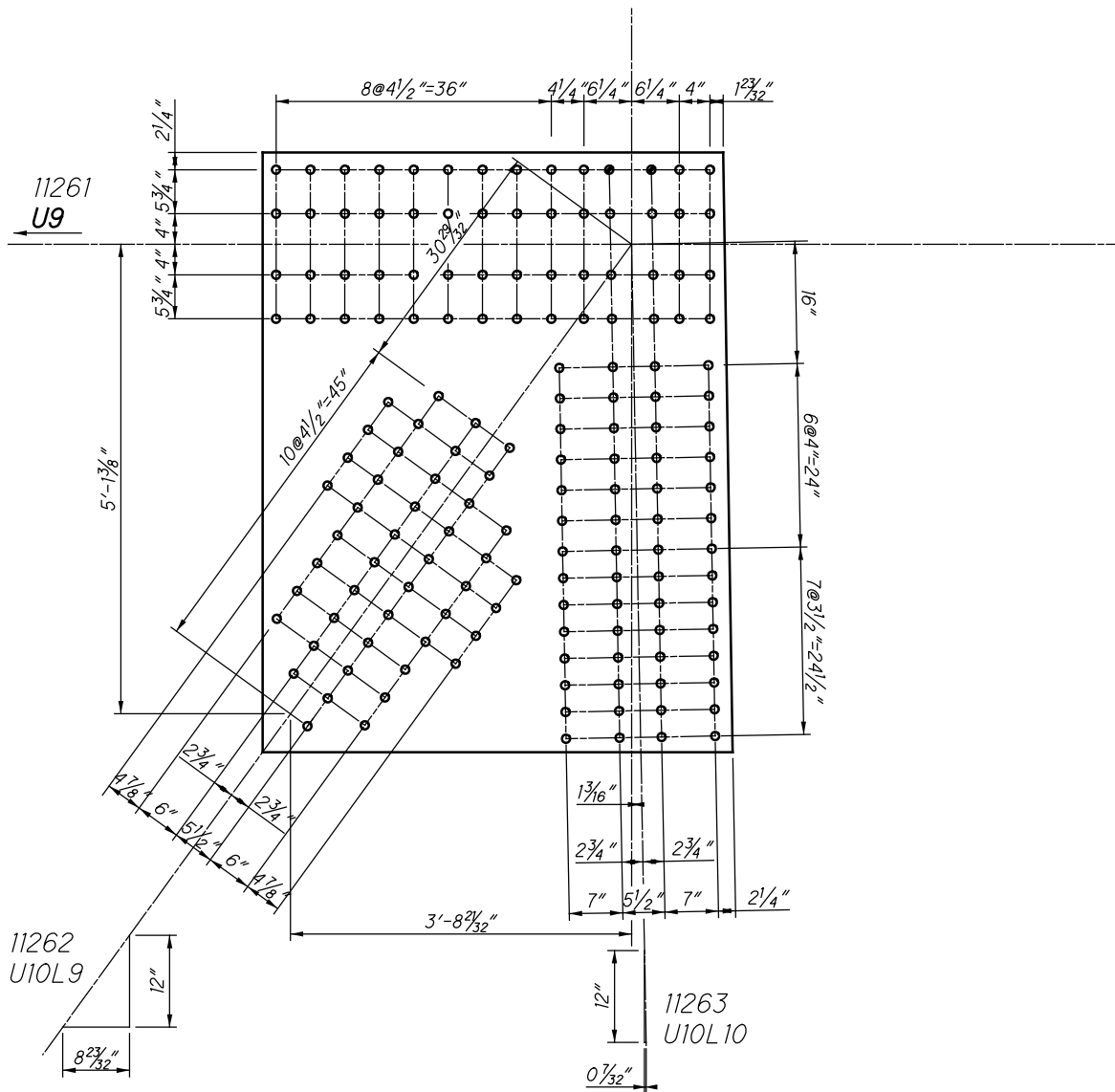
11251
U8U9

21125 AND 31125

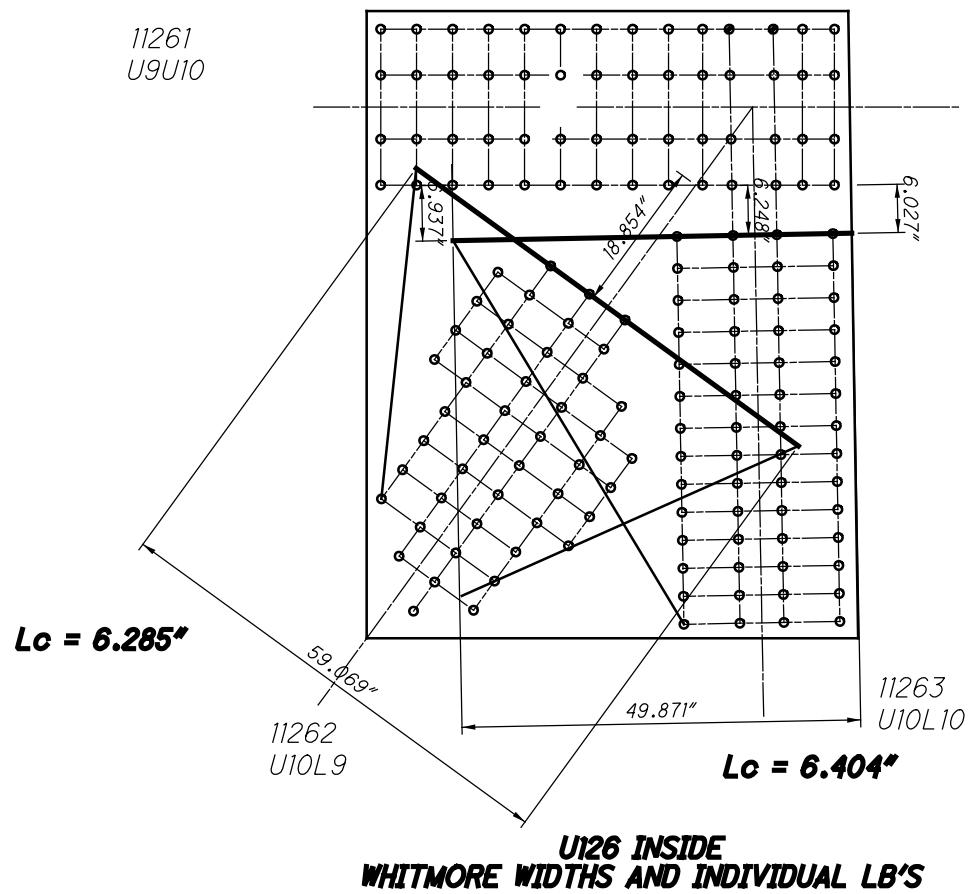
11255
U9U10



**U125 INSIDE
QUADRANT DIMENSIONS**

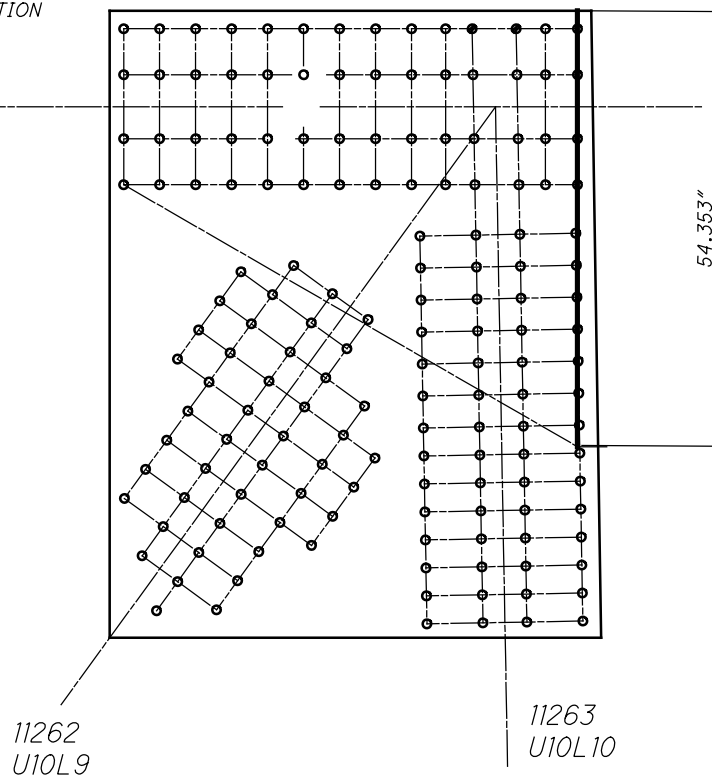


**U126 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



SAY $L_c = 0"$
CHORD FORCE RESISTED BY DIAGONAL
BEHIND THE WHITMORE SECTION

11261
U9U10

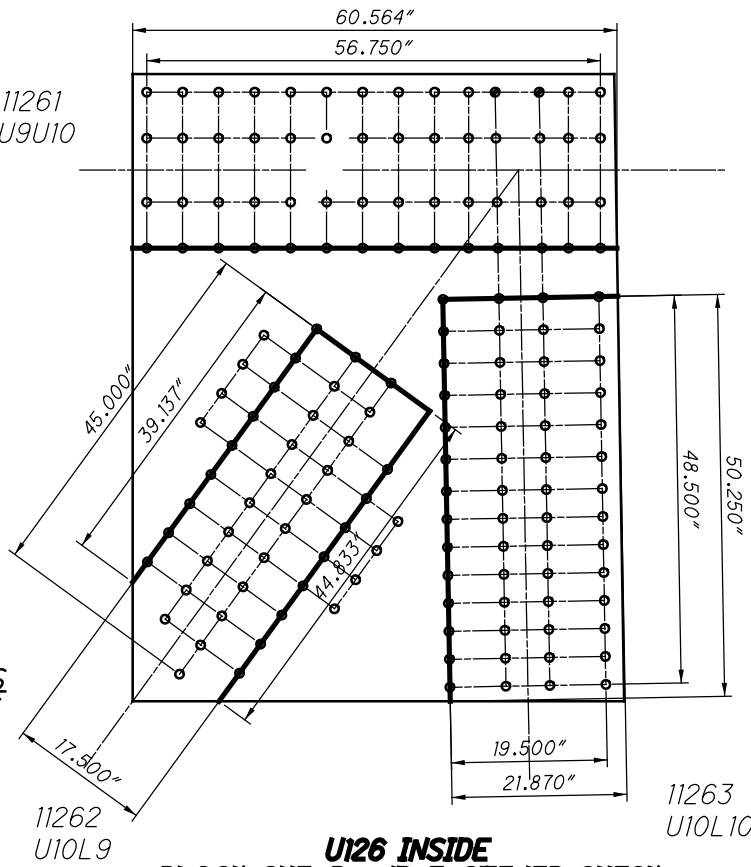


21126 AND 31126

64 RIVETS

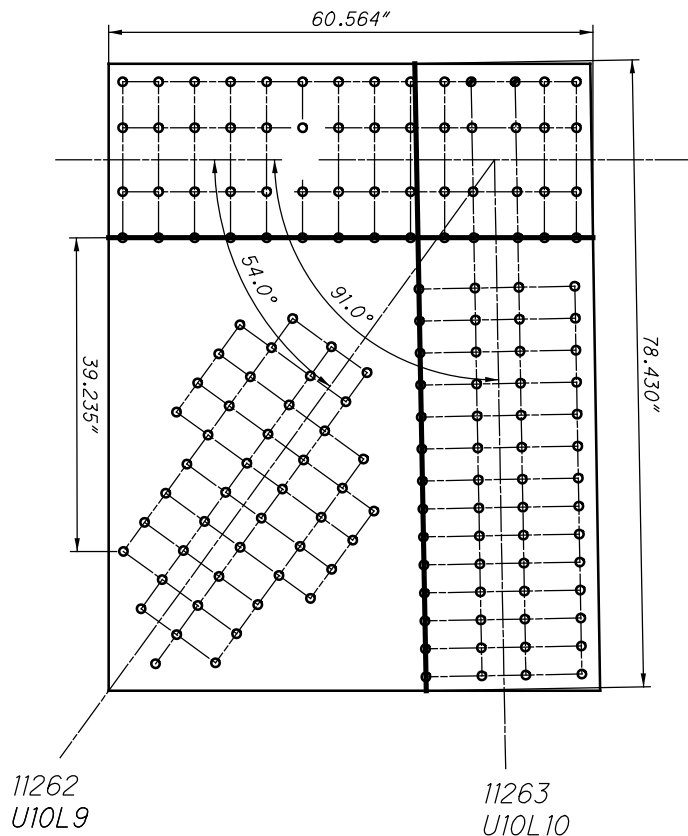
11261
U9U10

38 RIVETS
x 2 PLATES
= 76 RIVETS



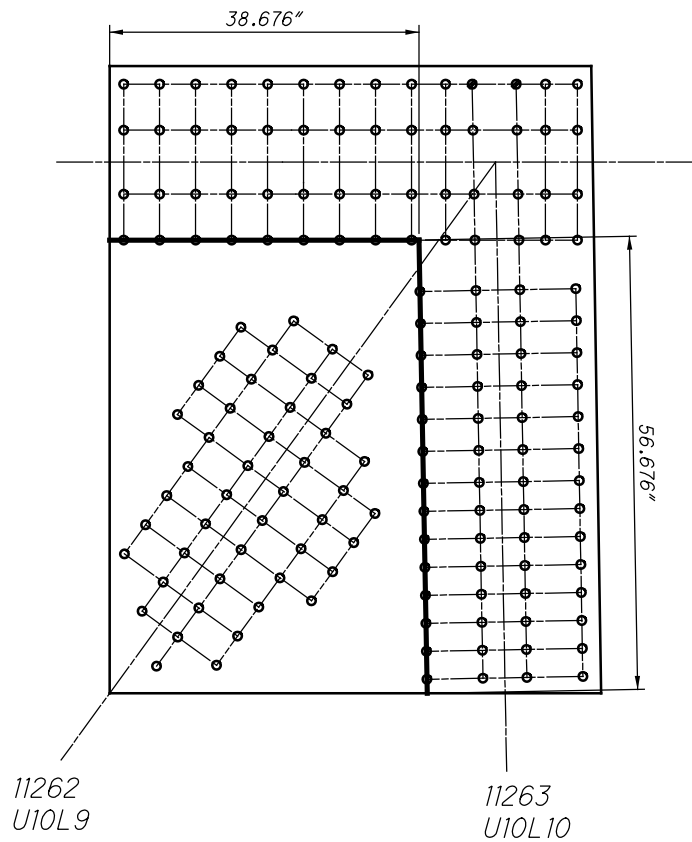
**U126 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

11261
U9U10

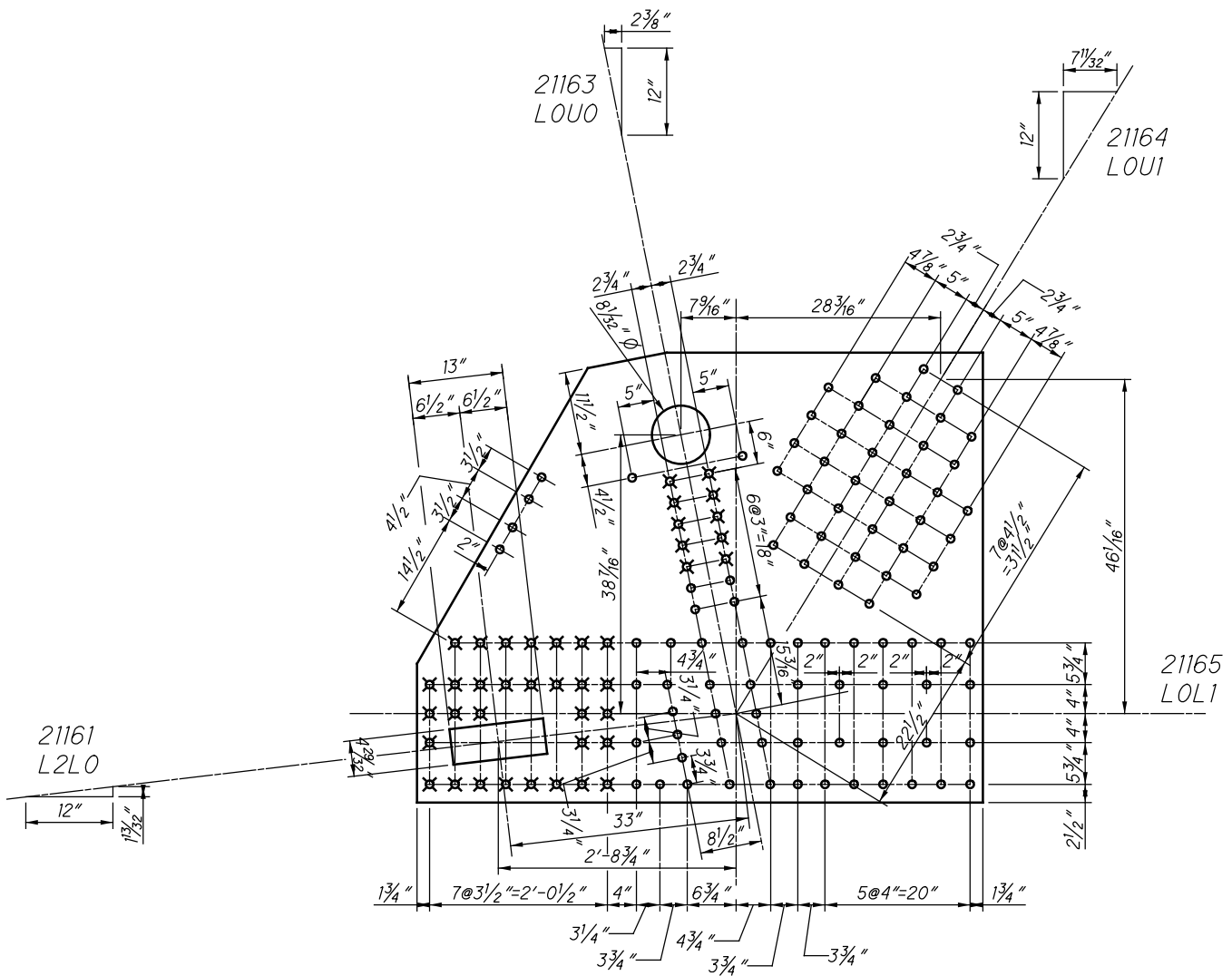


**U126 INSIDE
SHEAR AND FREE EDGE CHECK**

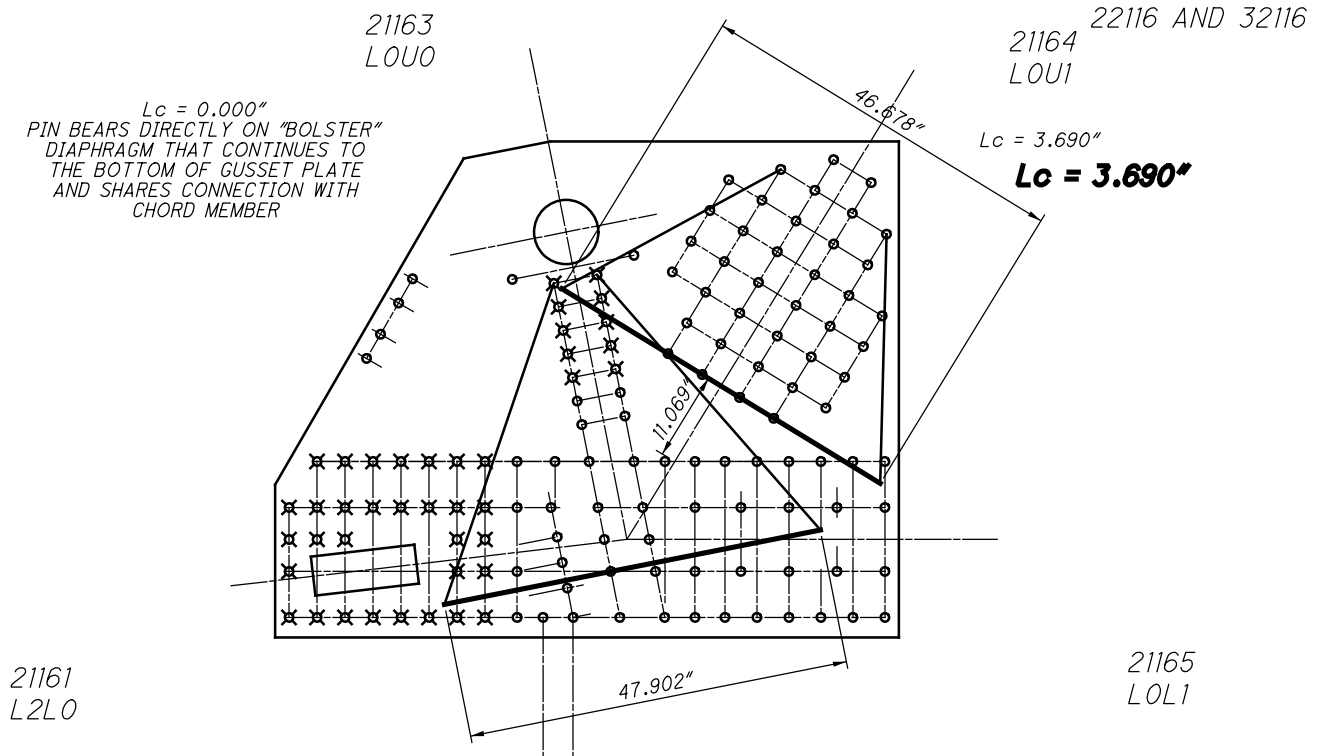
11261
U9U10



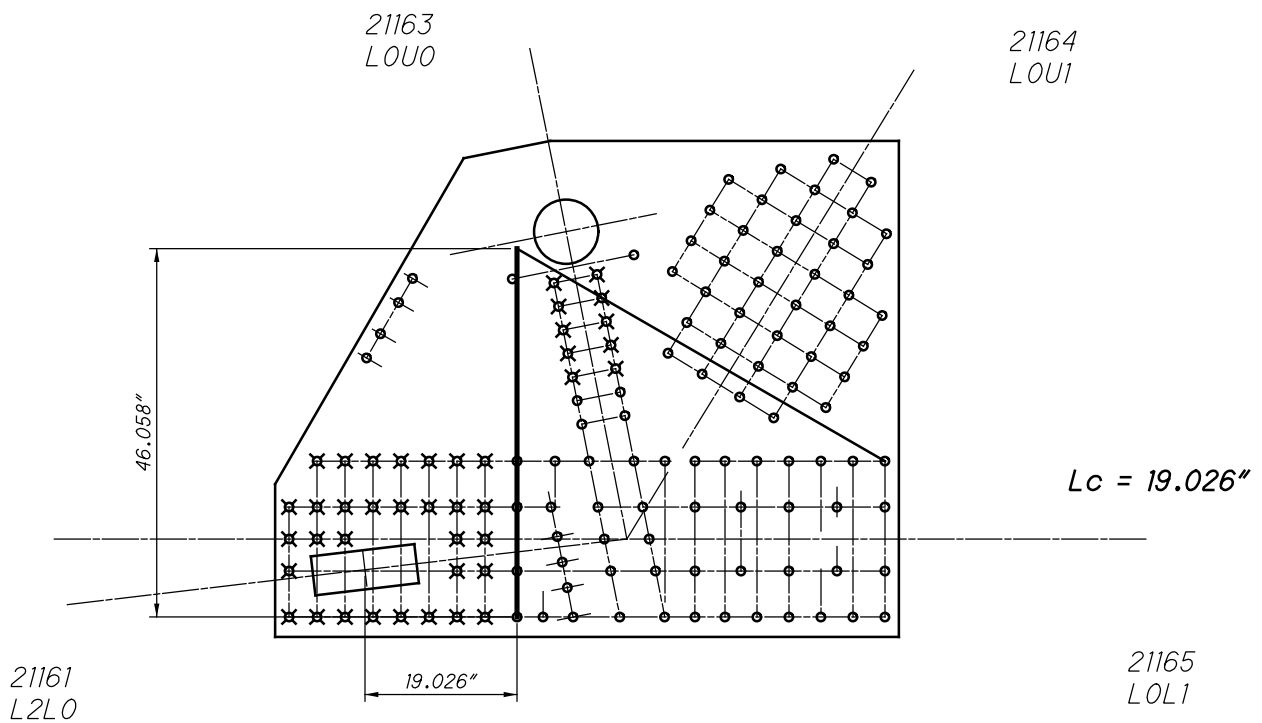
**U126 INSIDE
QUADRANT DIMENSIONS**



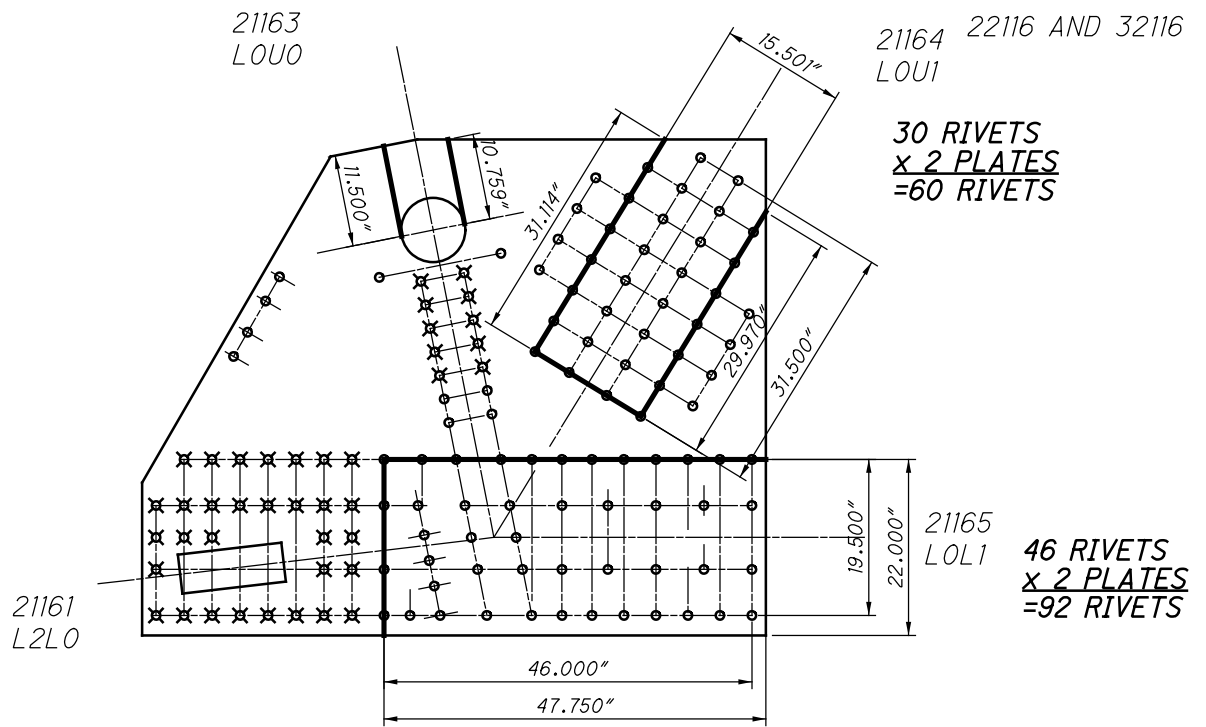
**L116 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



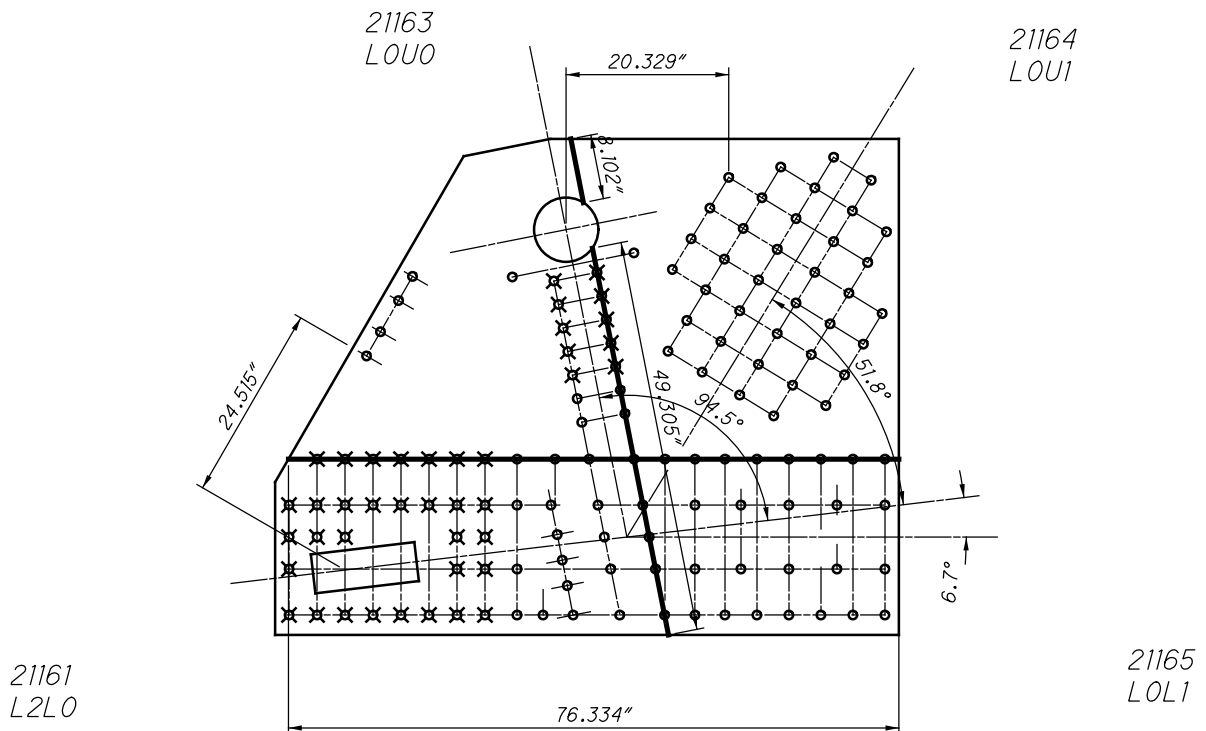
**L116 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



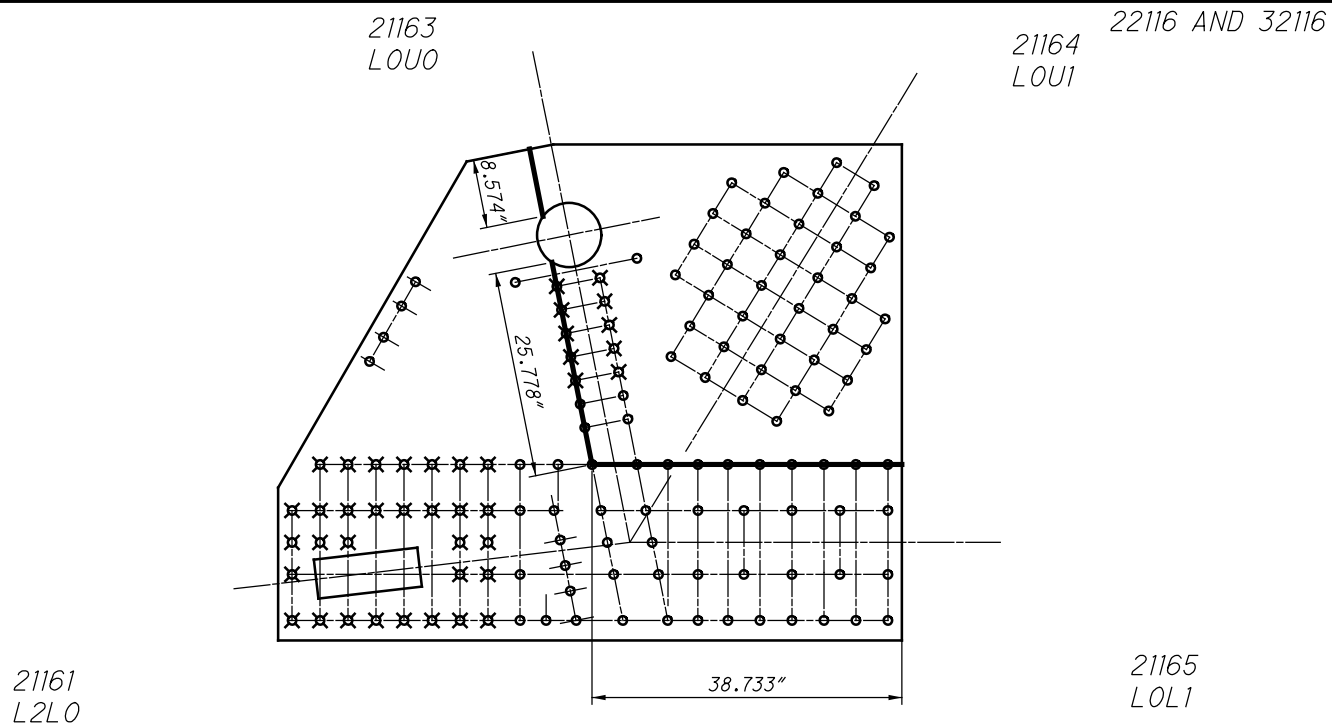
**L116 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L116 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

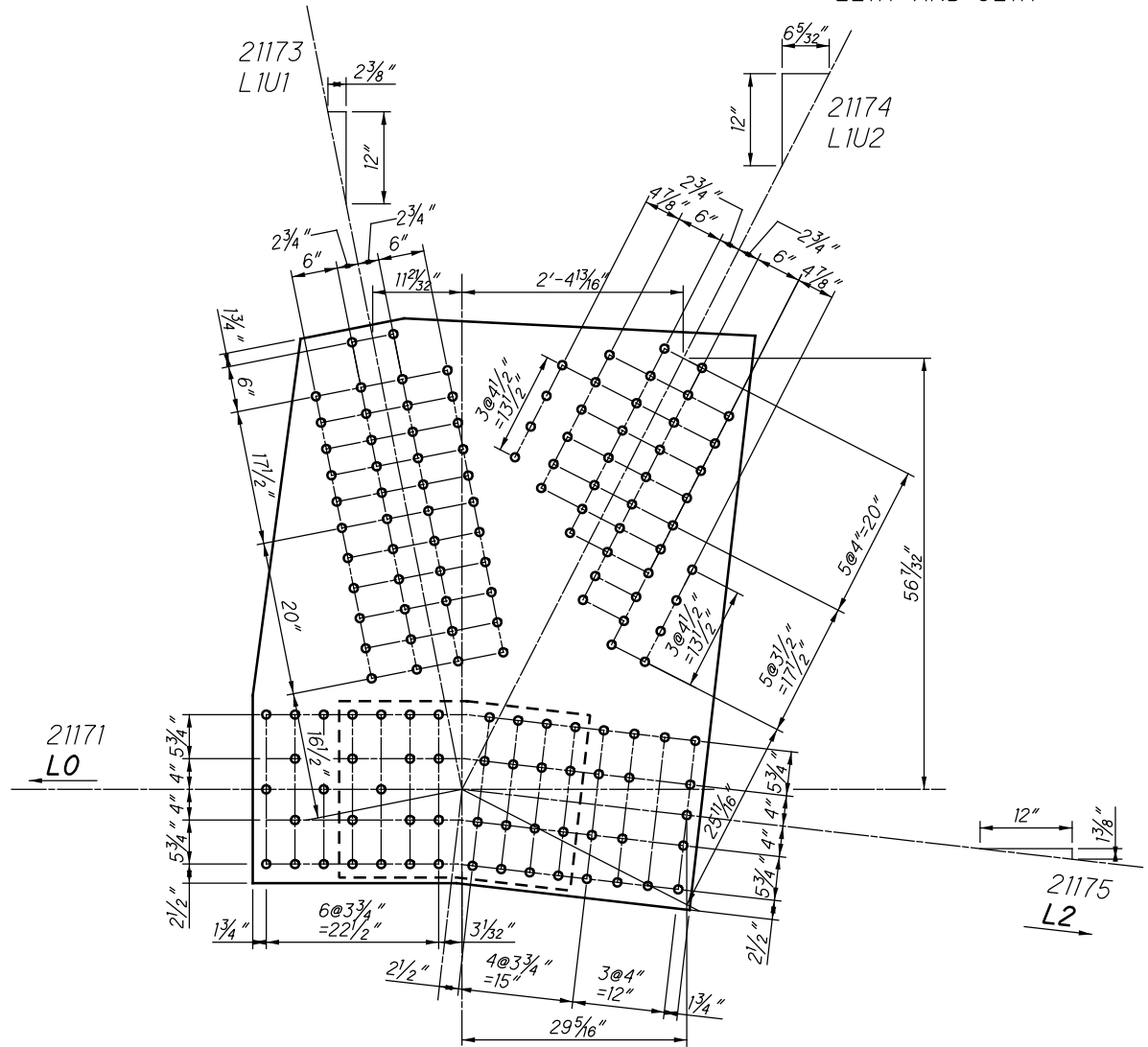


**L116 INSIDE
SHEAR AND FREE EDGE CHECK**



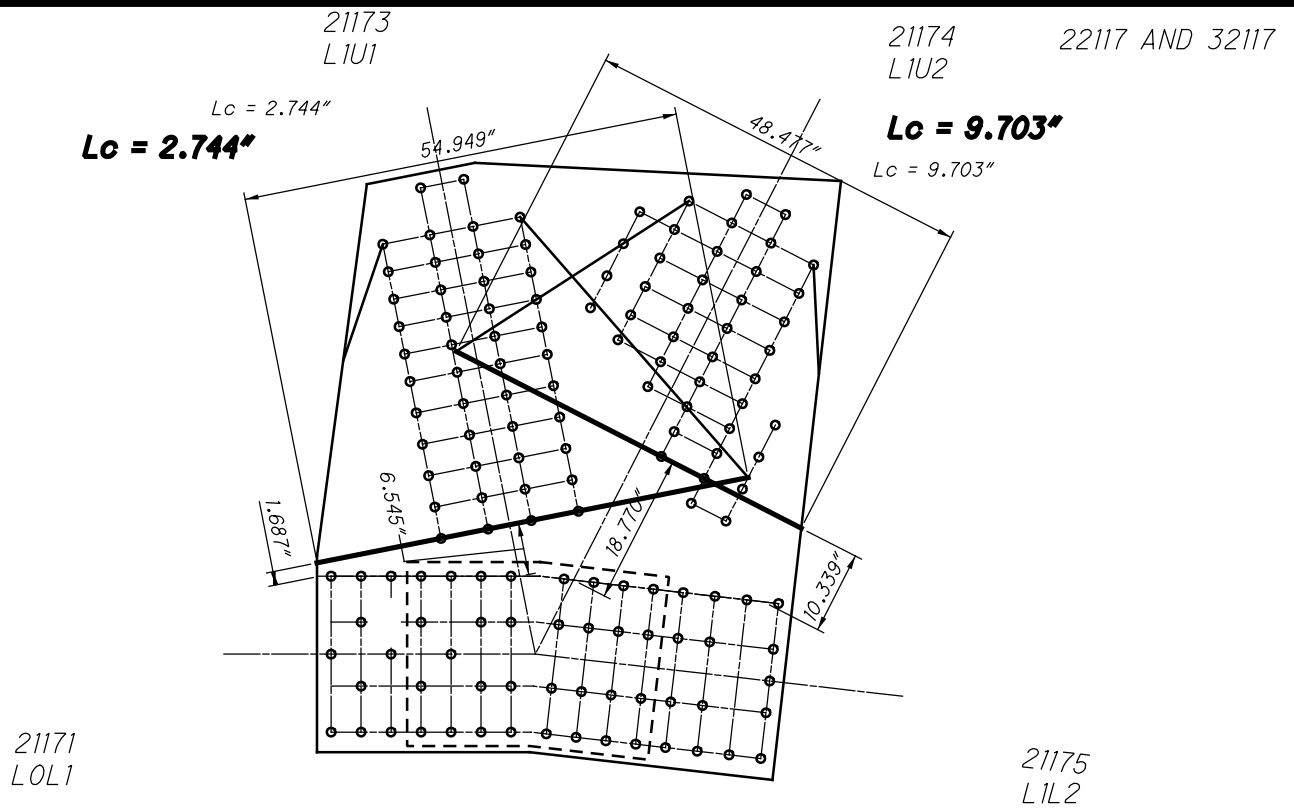
**L116 INSIDE
QUADRANT DIMENSIONS**

22117 AND 32117

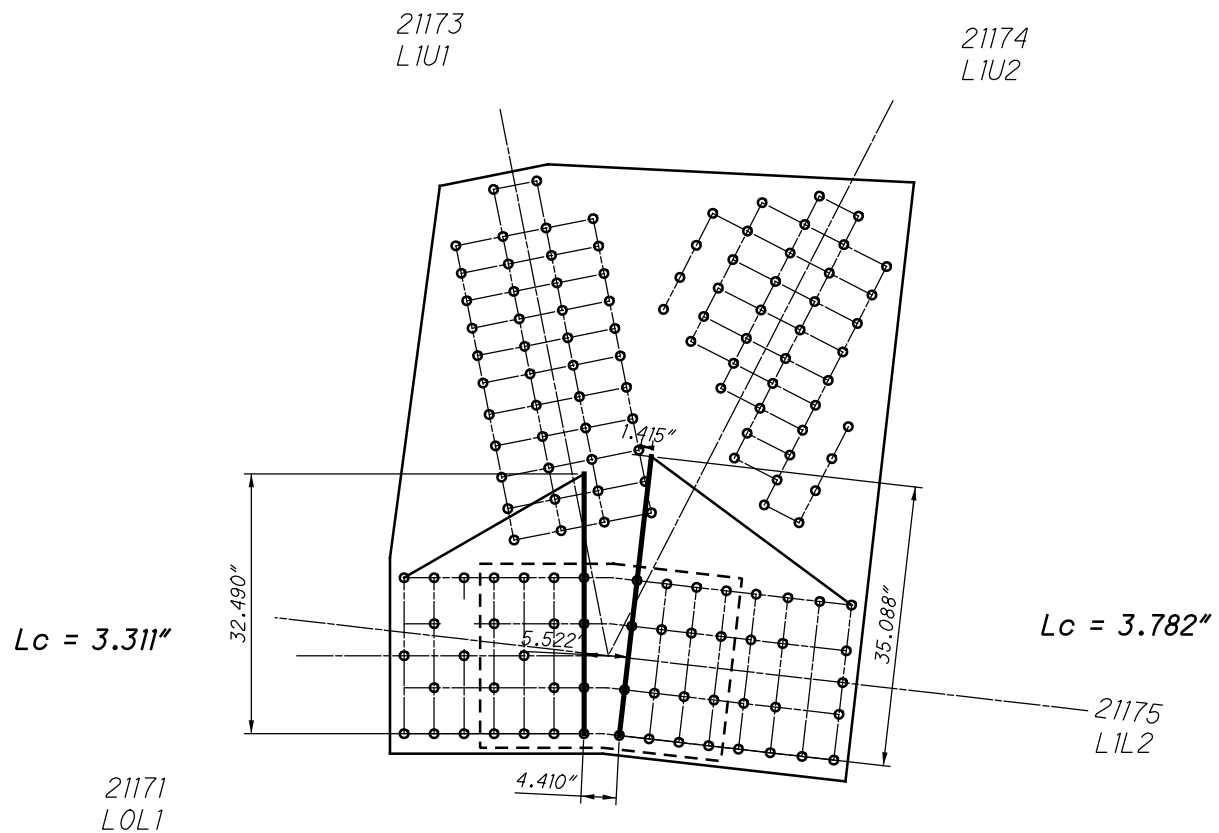


SPLICE PLATE
25" X $\frac{3}{8}"$ X $2'-8\frac{11}{16}"$

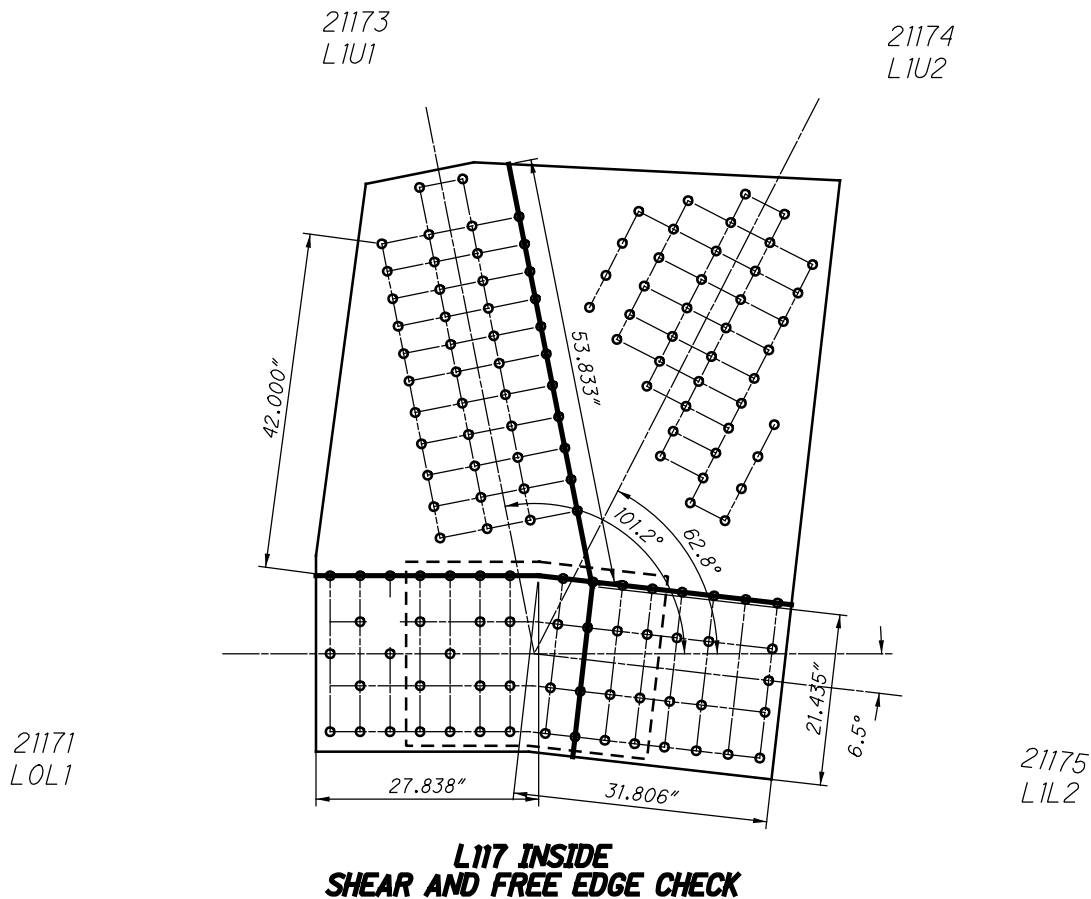
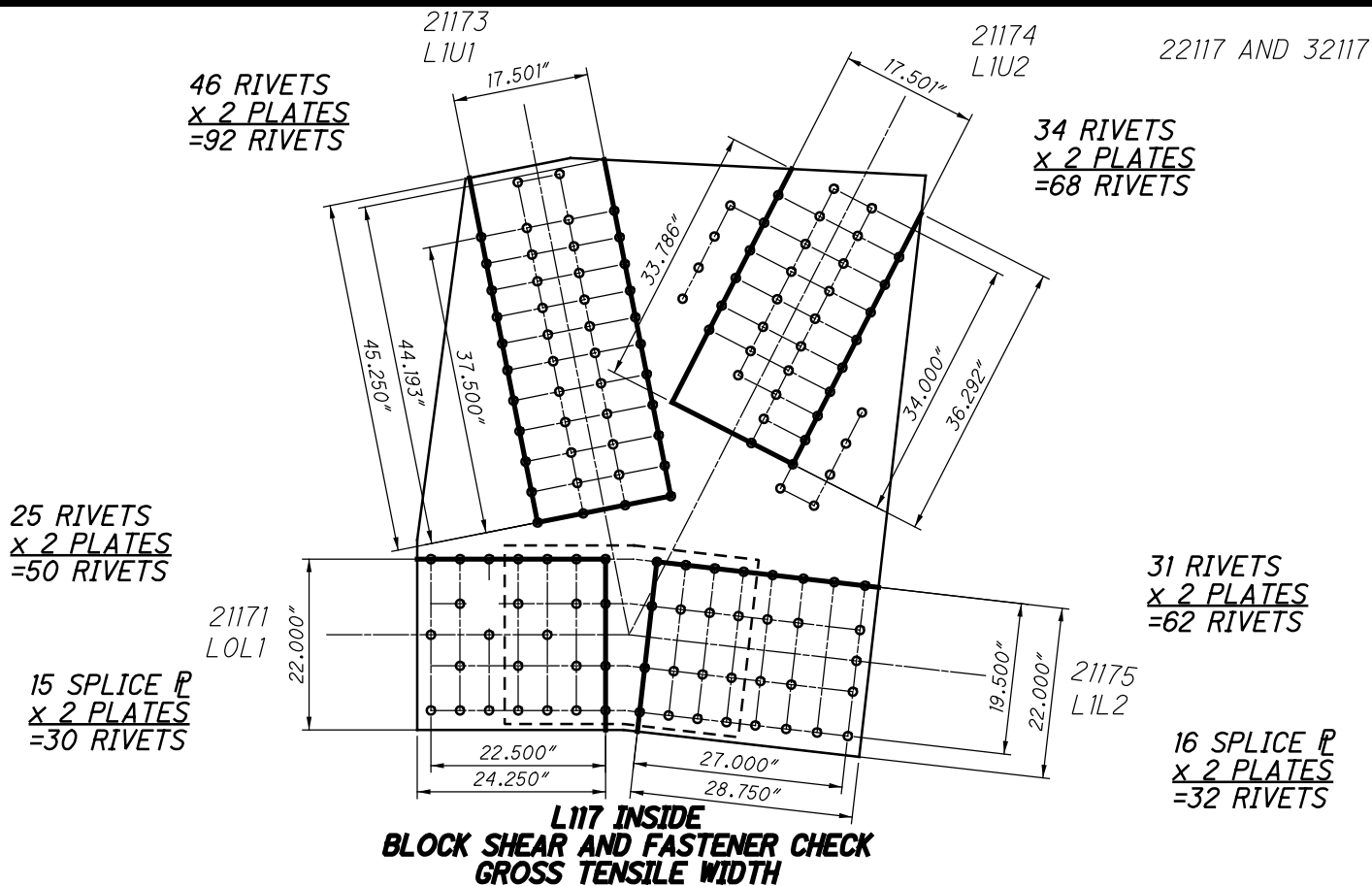
**L117 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**L117 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L117 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



21173
L1U1

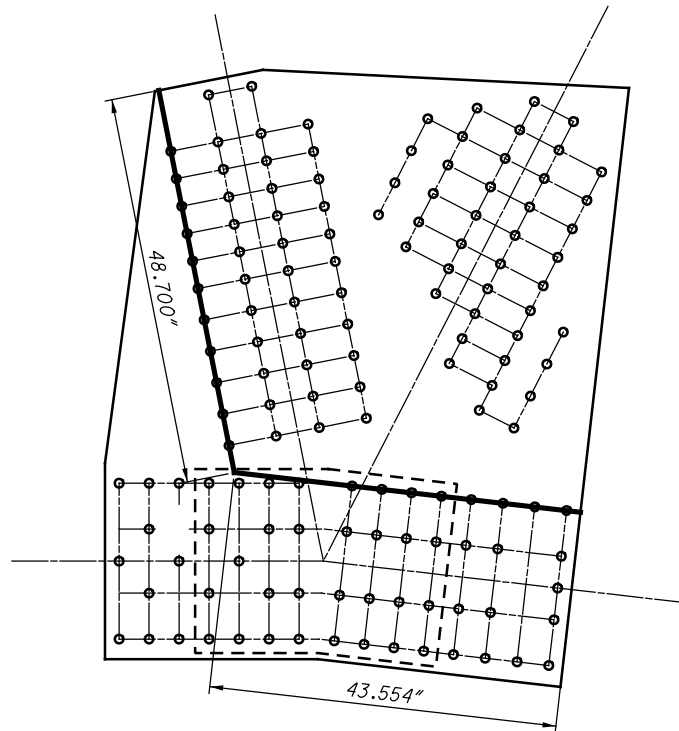
21174
L1U2

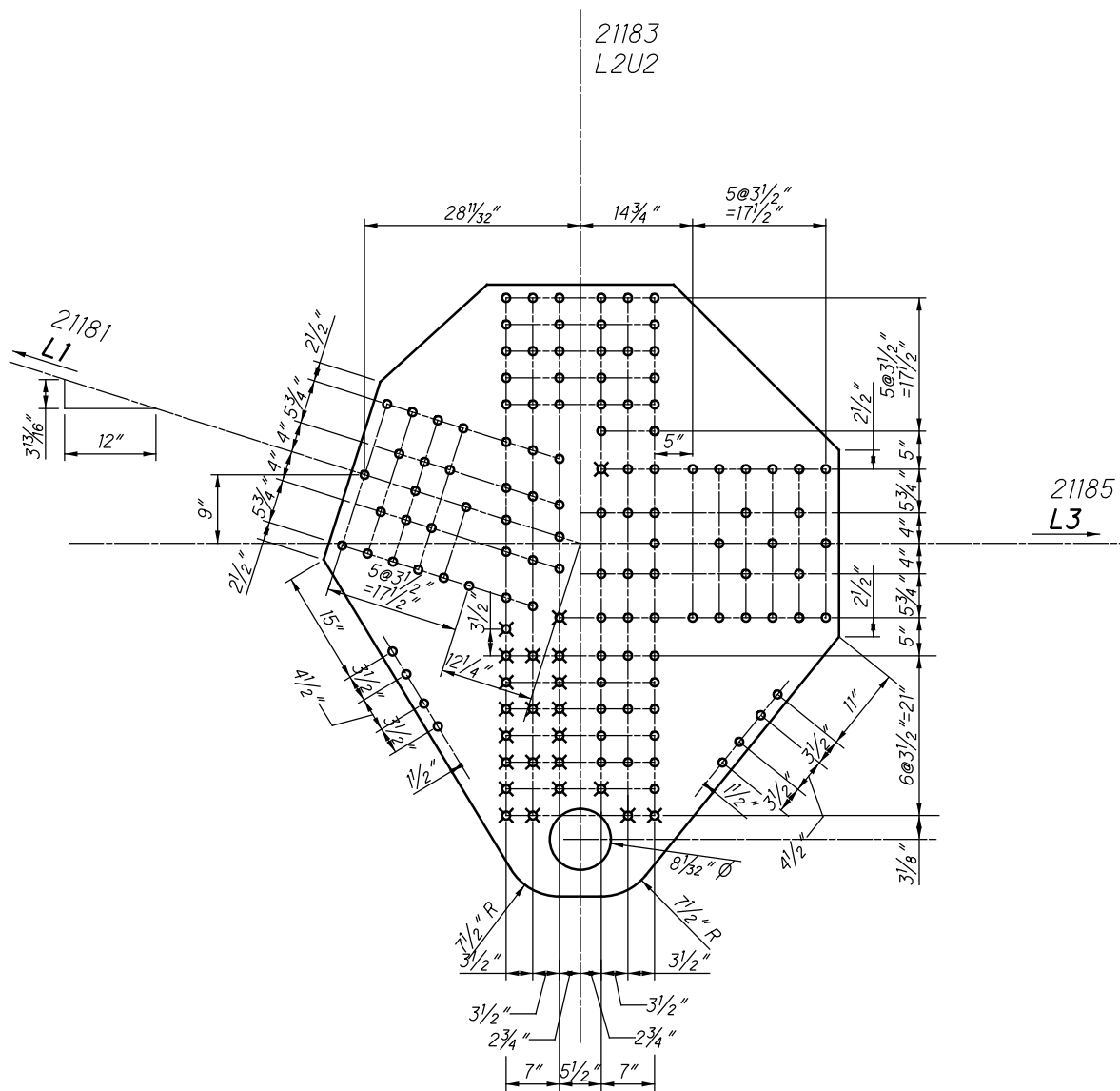
22117 AND 32117

21171
L0L1

21175
L1L2

**L117 INSIDE
QUADRANT DIMENSIONS**





**L118 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

21183
L2U2

$L_c = 0''$
INTERNAL BOLSTER BEARS ON PIN

22118 AND 32118

21181
L1L2

21185
L2L3

$L_c = 0.000''$

**L118 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21183
L2U2

21181
L1L2

21185
L2L3

$L_c = 0.000''$

$L_c = 0.000''$

**L118 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

32 RIVETS
x 2 PLATES
=64 RIVETS

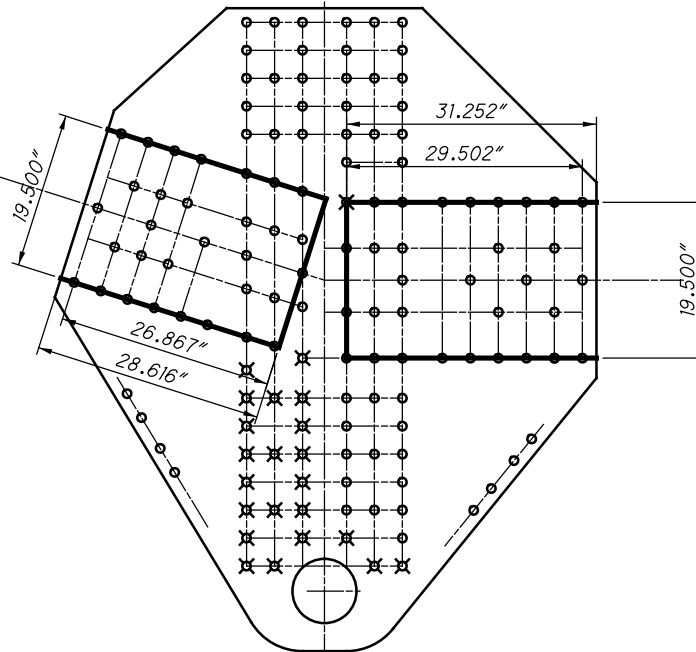
21181
L1L2

21183
L2U2

22118 AND 32118

32 RIVETS
x 2 PLATES
=64 RIVETS

21185
L2L3



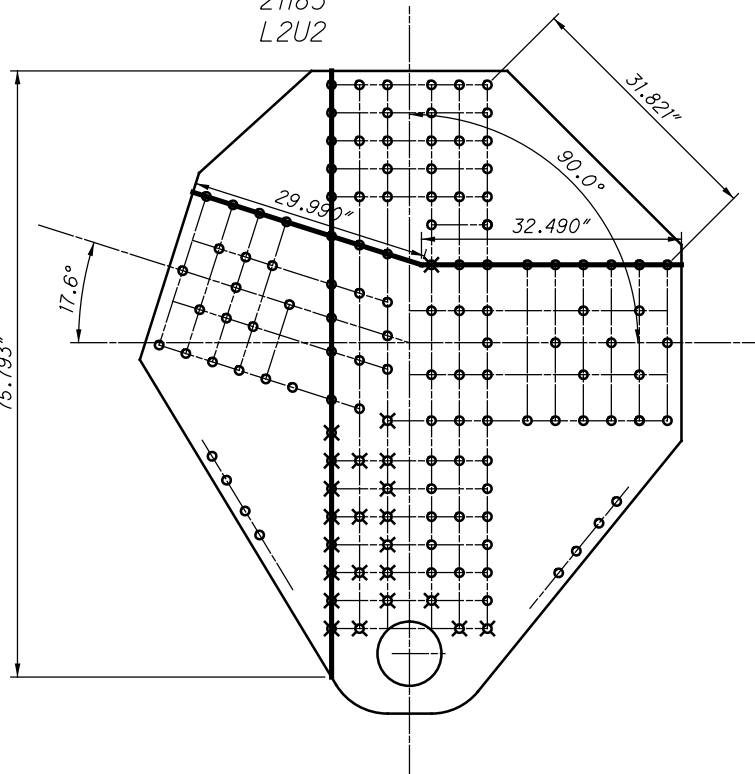
**L118 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21181
L1L2

75.793"

21183
L2U2

21185
L2L3



**L118 INSIDE
SHEAR AND FREE EDGE CHECK**

21183
L2U2

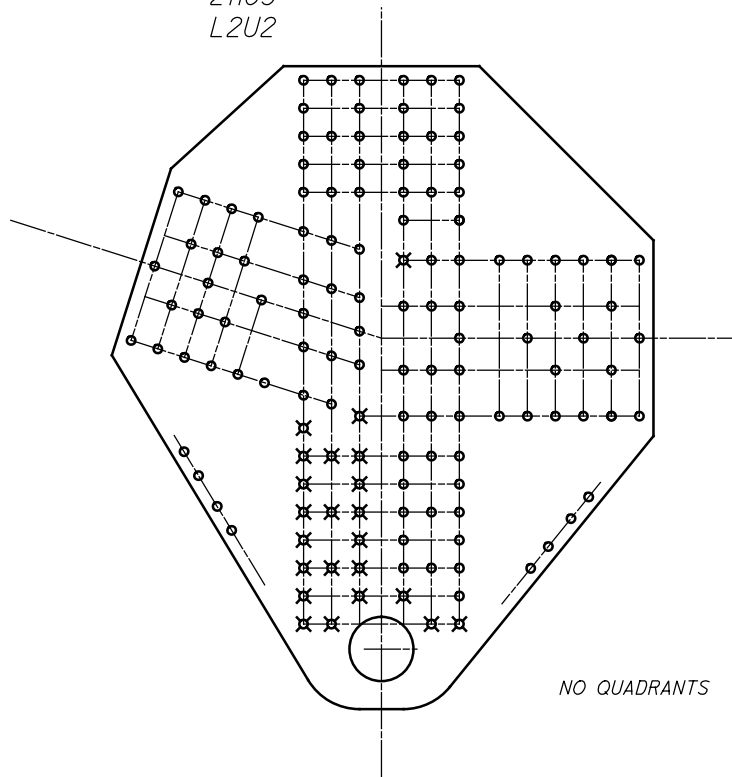
22118 AND 32118

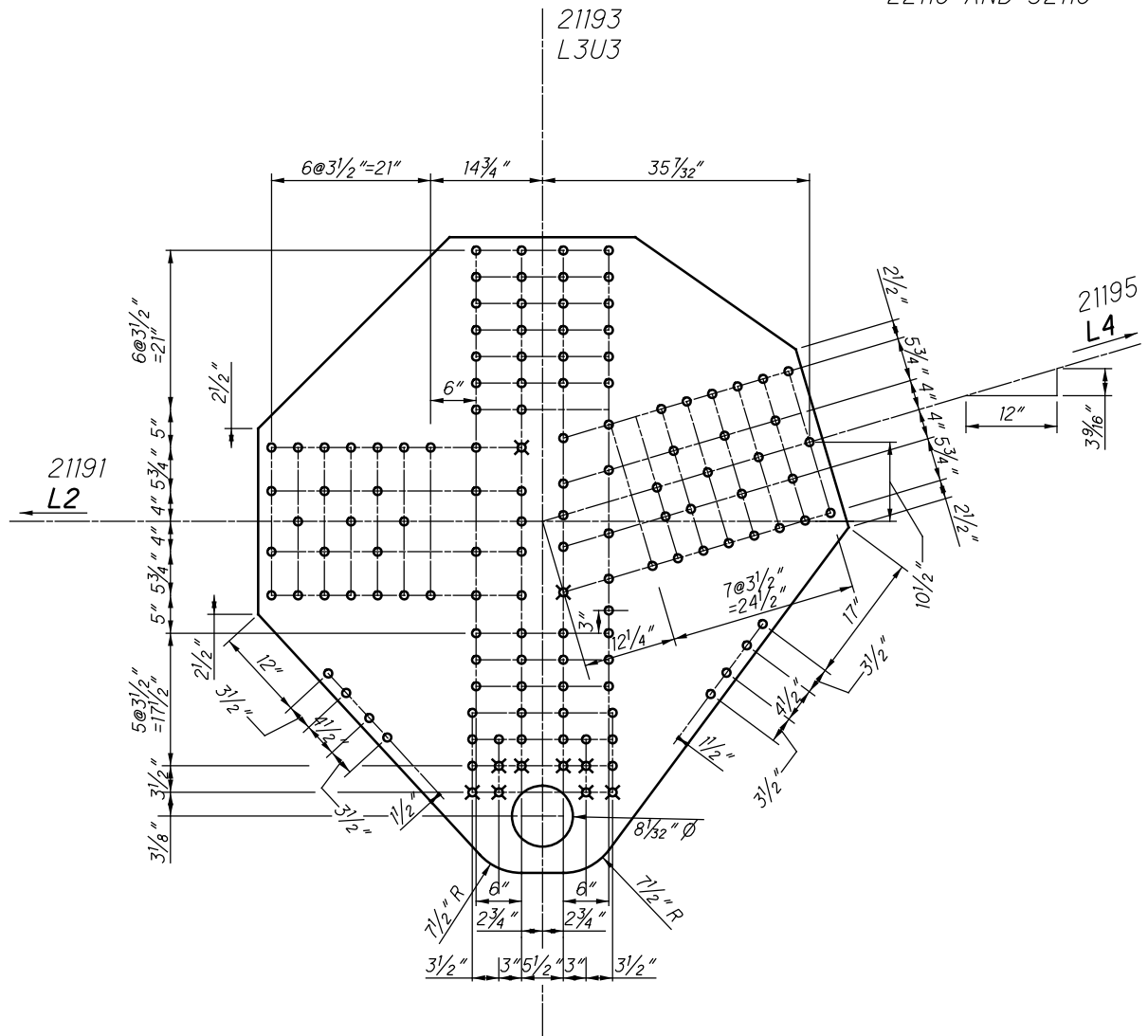
21181
L1L2

21185
L2L3

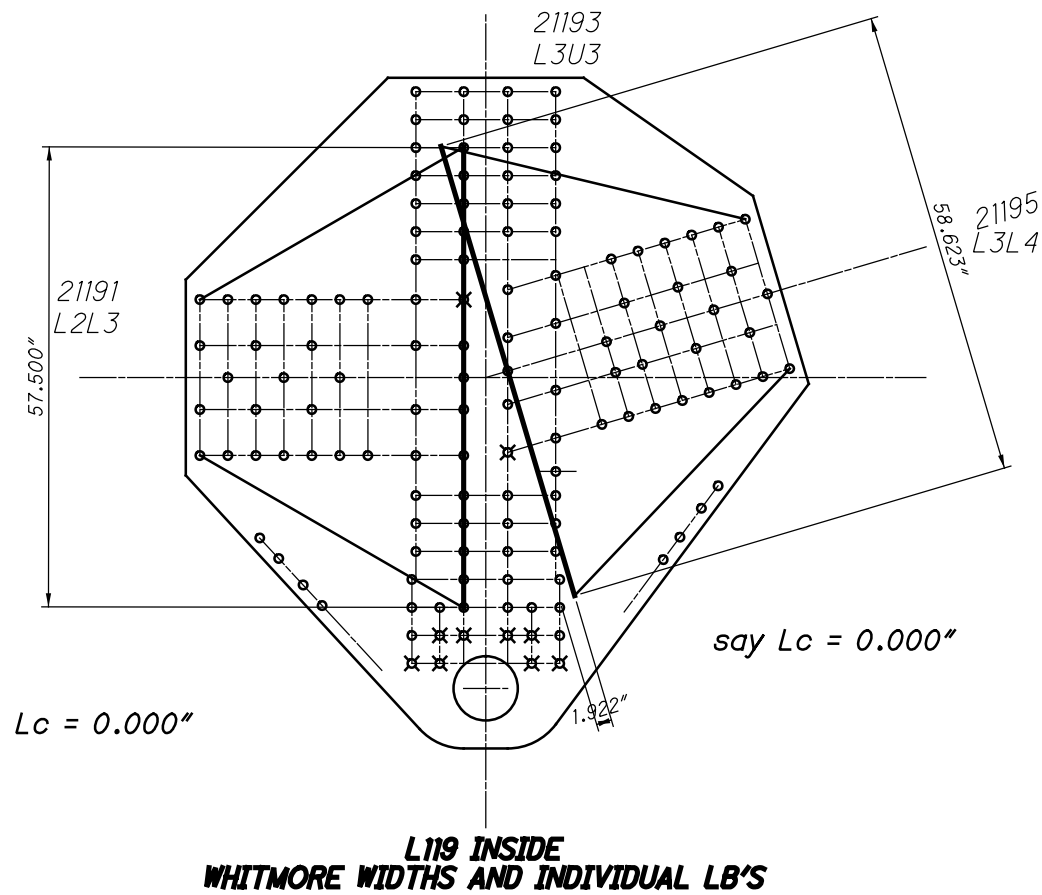
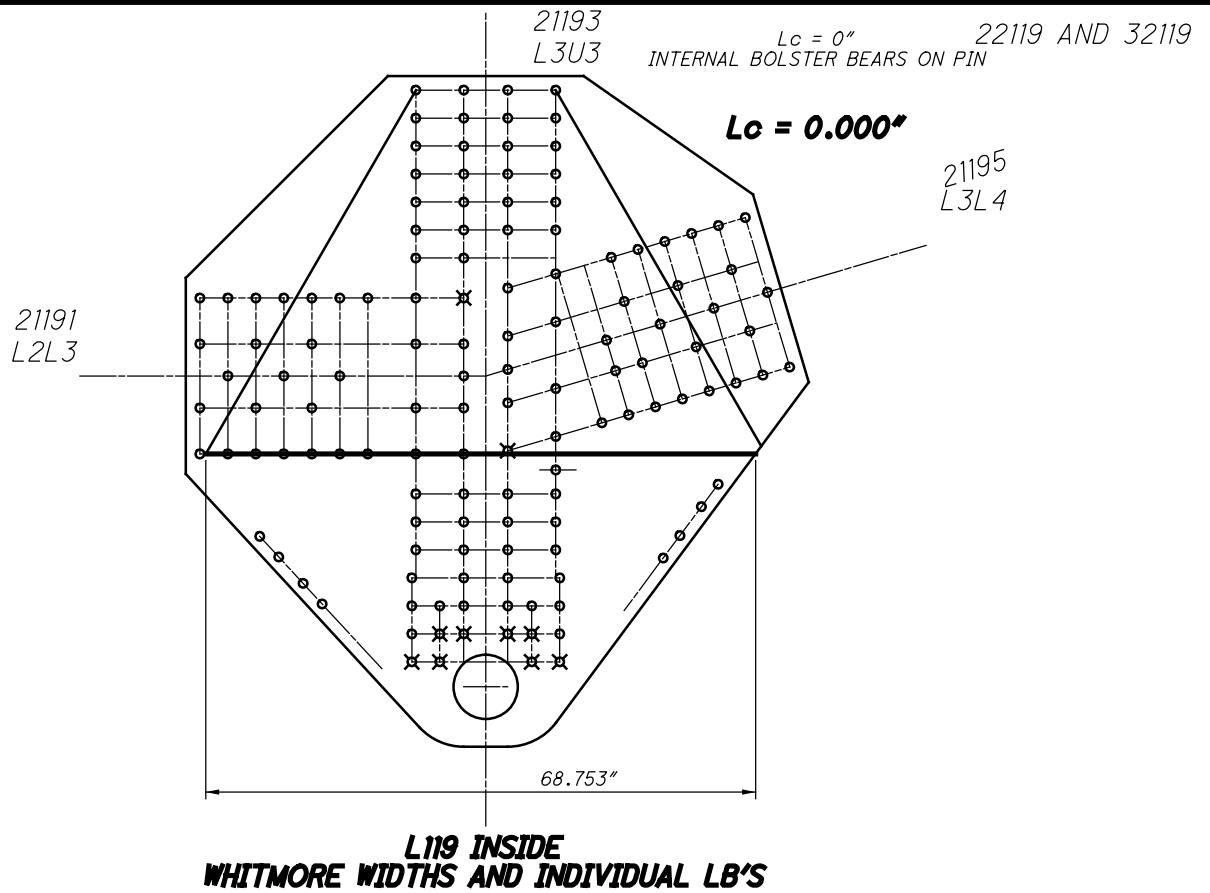
NO QUADRANTS

**L118 INSIDE
QUADRANT DIMENSIONS**





**L119 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



32 RIVETS
x 2 PLATES
=64 RIVETS

21191
L2L3

19.500"

33.000"
34.750"

21193
L3U3

22119 AND 32119

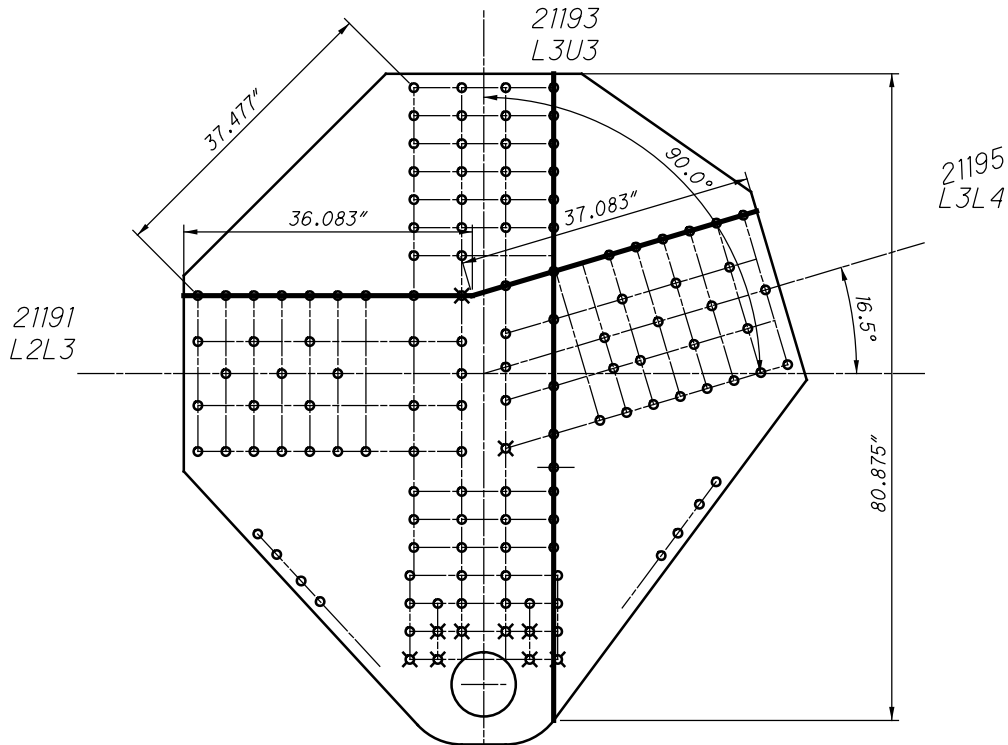
21195
L3L4

34 RIVETS
x 2 PLATES
=68 RIVETS

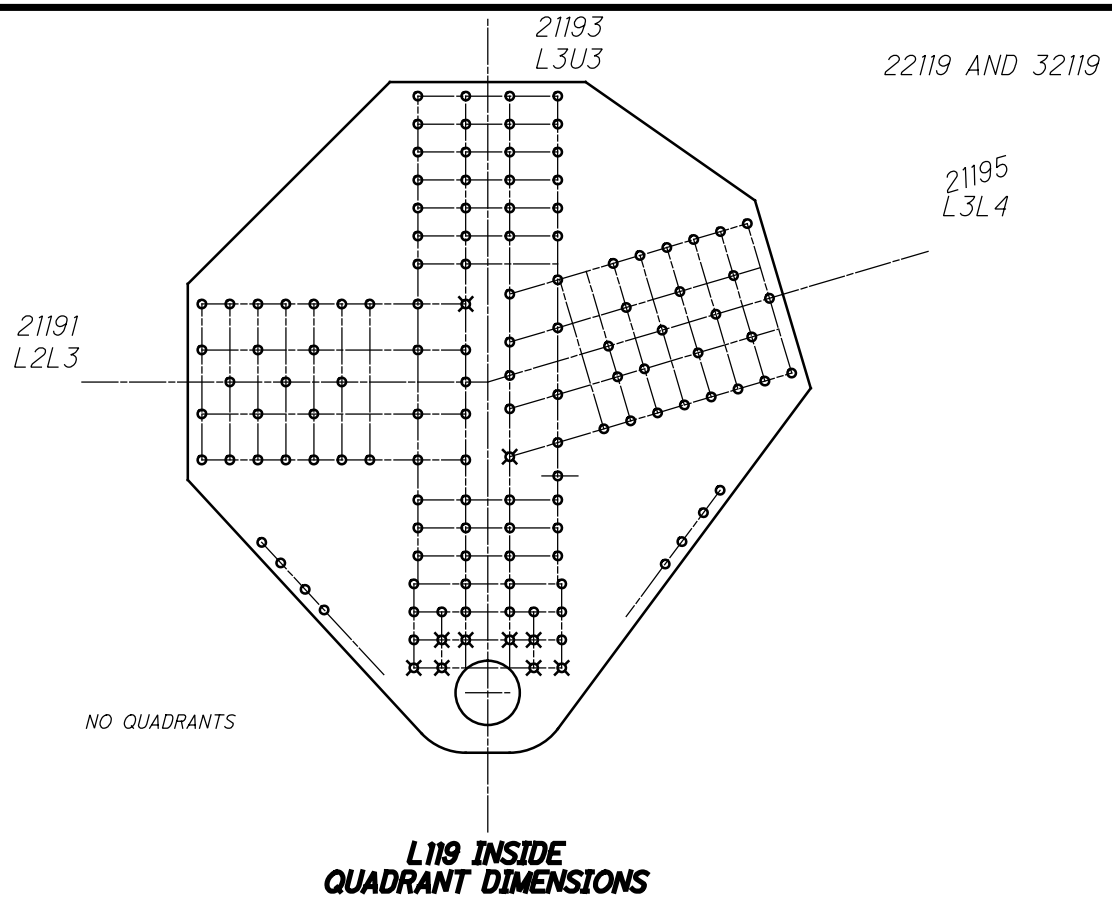
33.881"
35.631"

19.500"

**L119 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

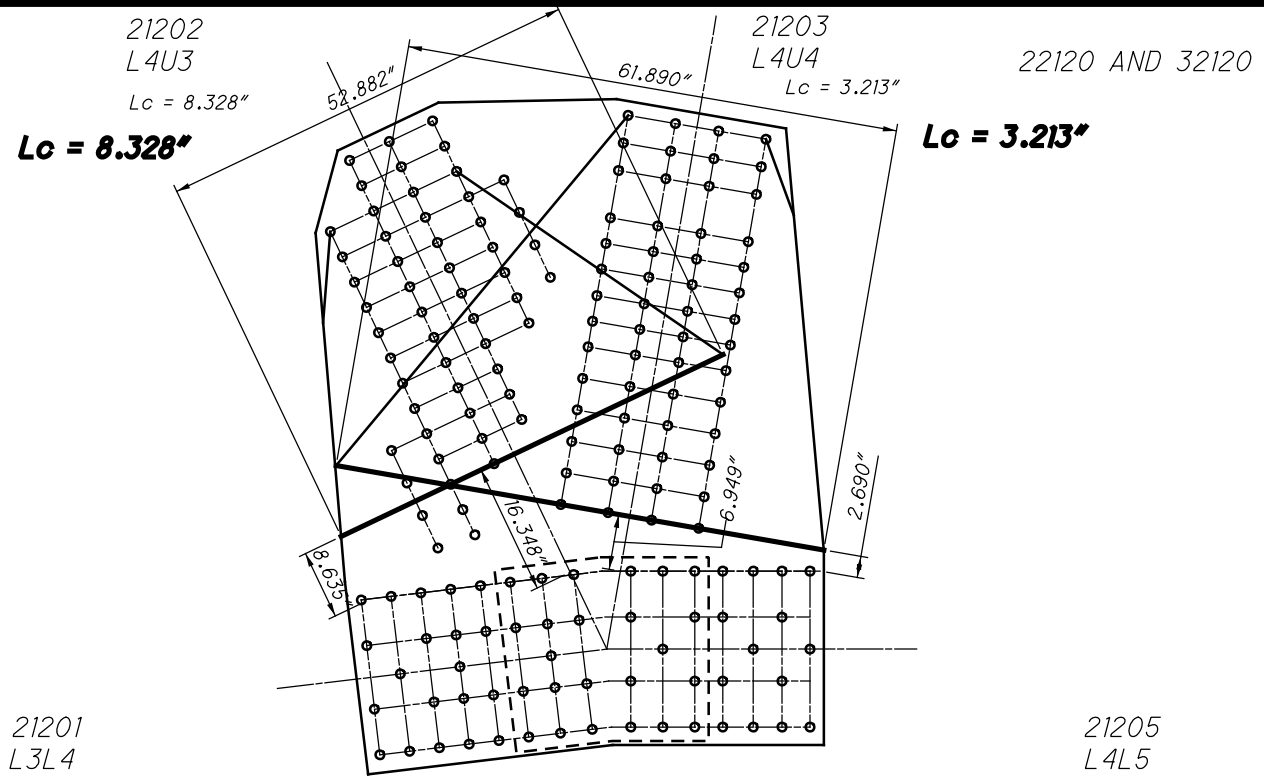


**L119 INSIDE
SHEAR AND FREE EDGE CHECK**

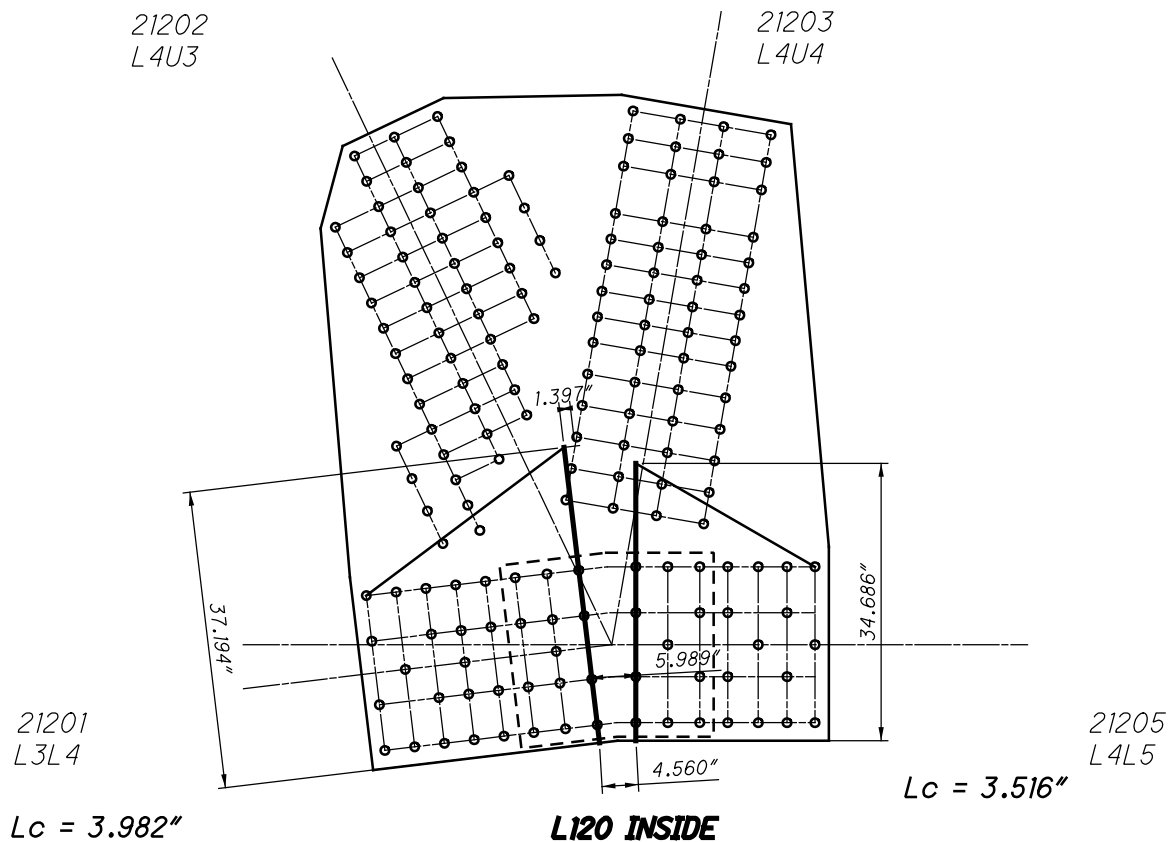


[illegible]

**L120 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**L120 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L120 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

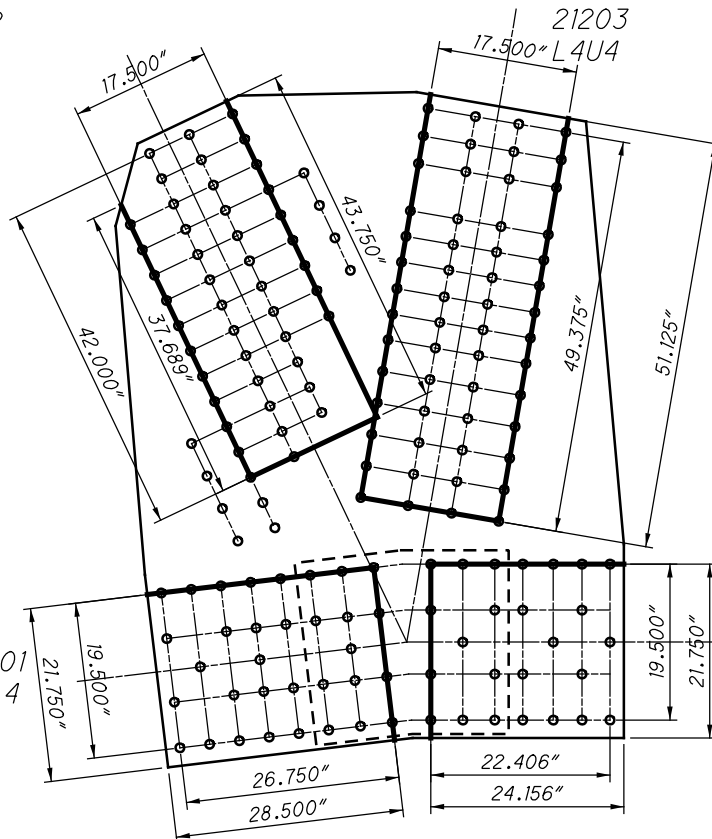
21202
L4U3

46 RIVETS
x 2 PLATES
=92 RIVETS

21203
L4U4

22120 AND 32120

64 RIVETS
x 2 PLATES
=128 RIVETS



25 RIVETS
x 2 PLATES
=50 RIVETS

33 RIVETS
x 2 PLATES
=66 RIVETS

13 SPLICE P
x 2 PLATES
=26 RIVETS

21201
L3L4

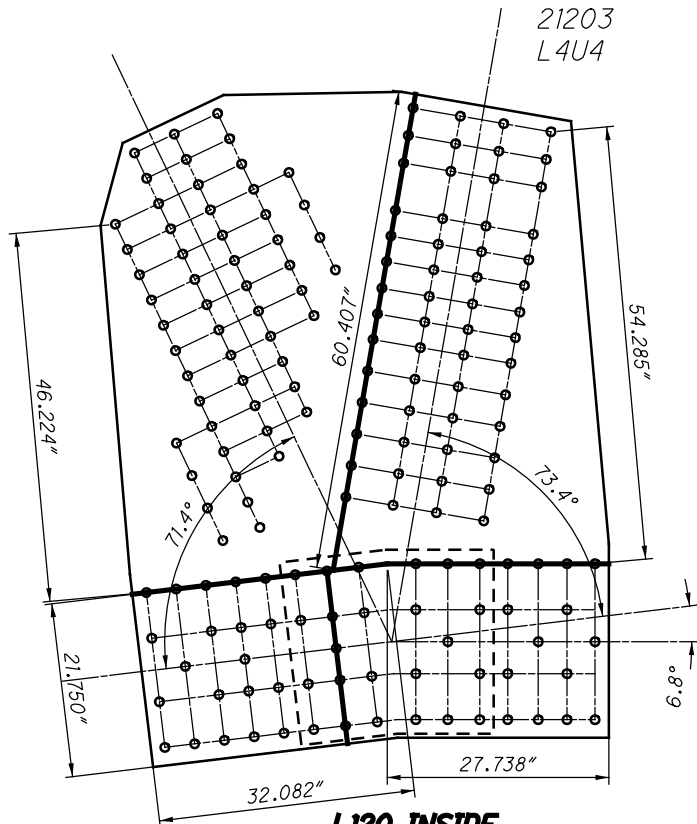
21205
L4L5

11 SPLICE P
x 2 PLATES
=22 RIVETS

**L120 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21202
L4U3

21203
L4U4



21201
L3L4

21205
L4L5

**L120 INSIDE
SHEAR AND FREE EDGE CHECK**

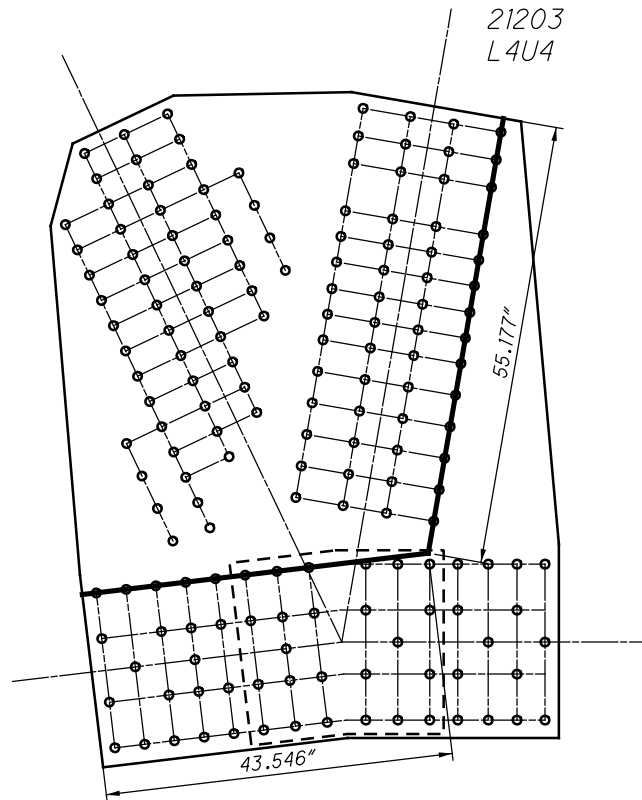
21202
L4U3

21203
L4U4

22120 AND 32120

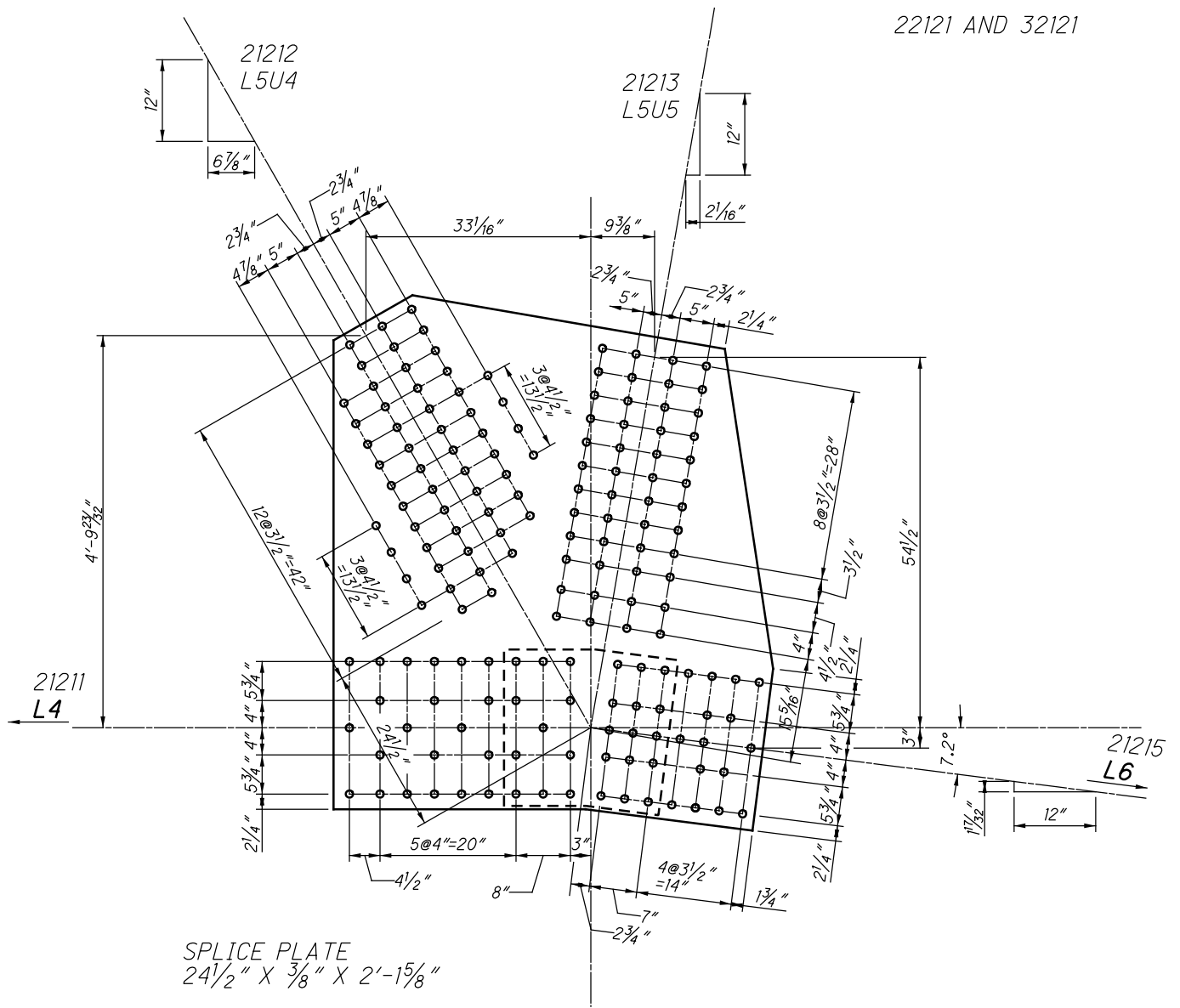
21201
L3L4

21205
L4L5

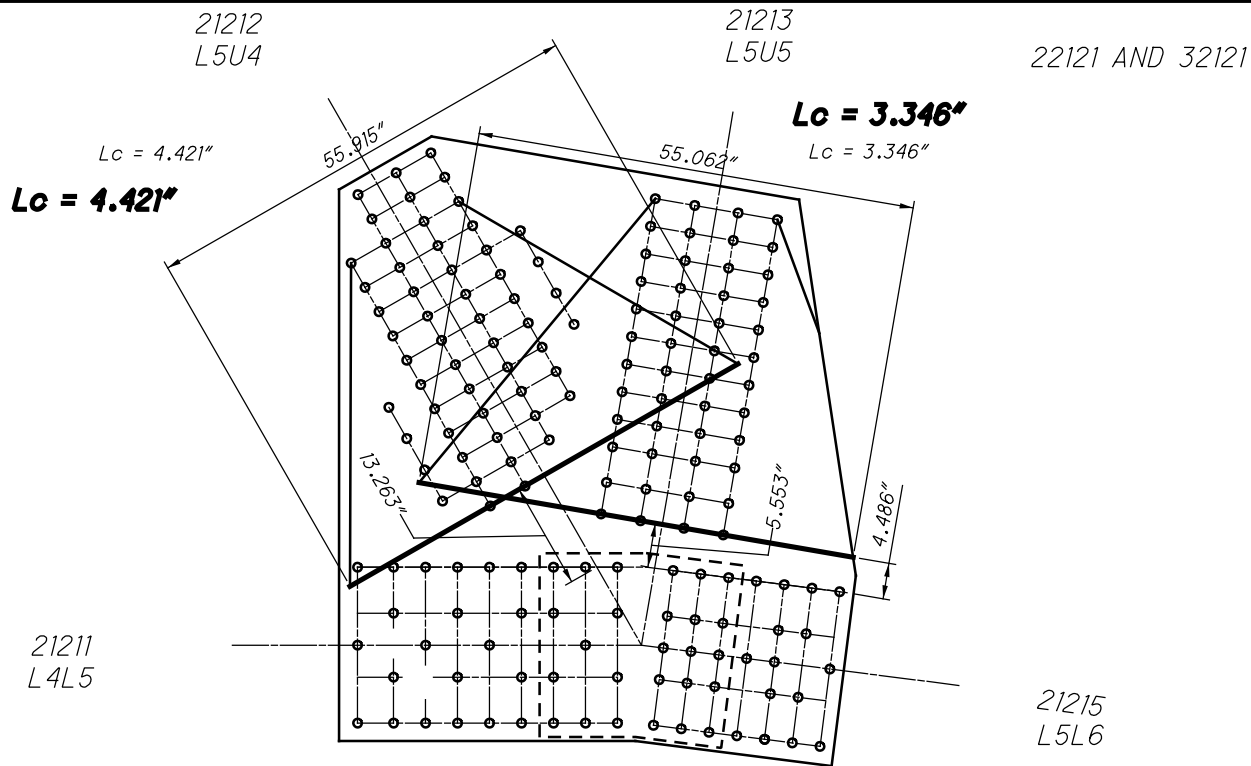


**L120 INSIDE
QUADRANT DIMENSIONS**

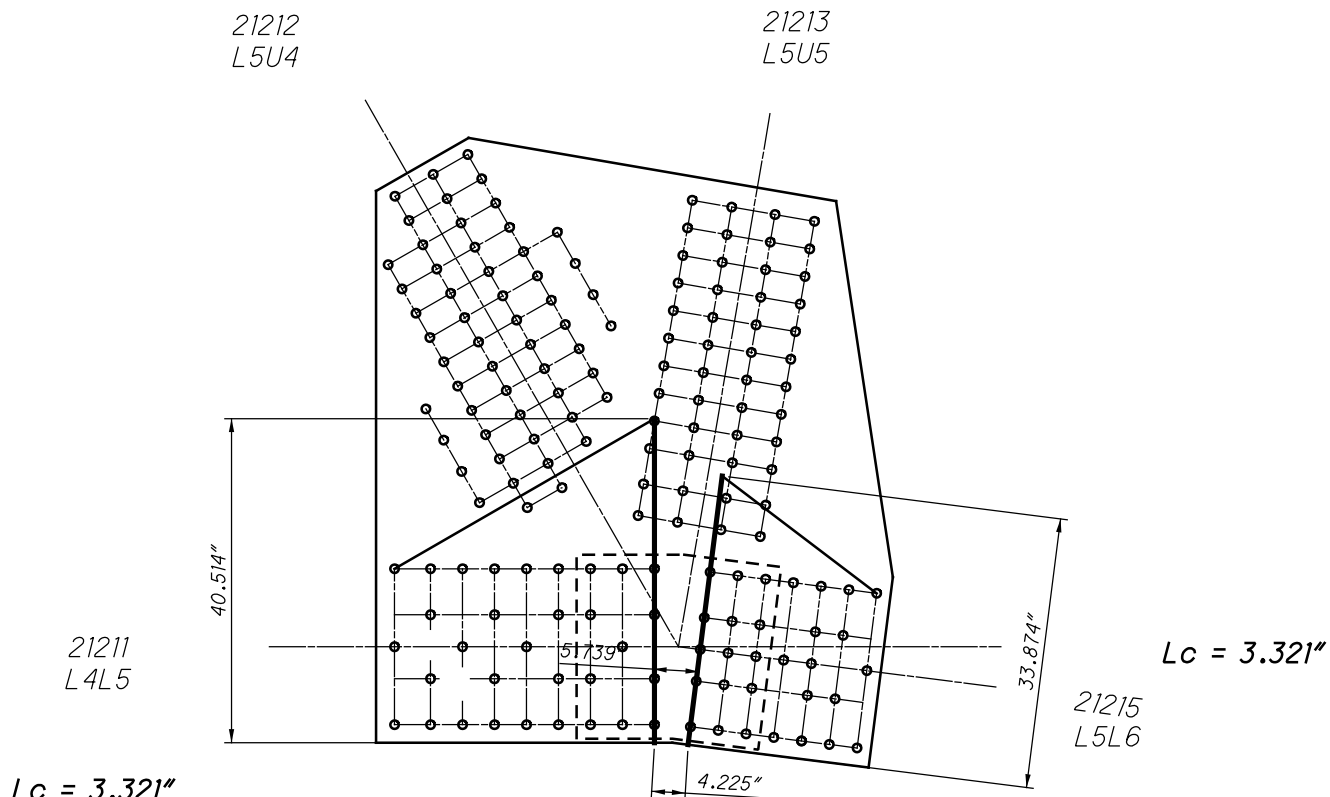
22121 AND 32121



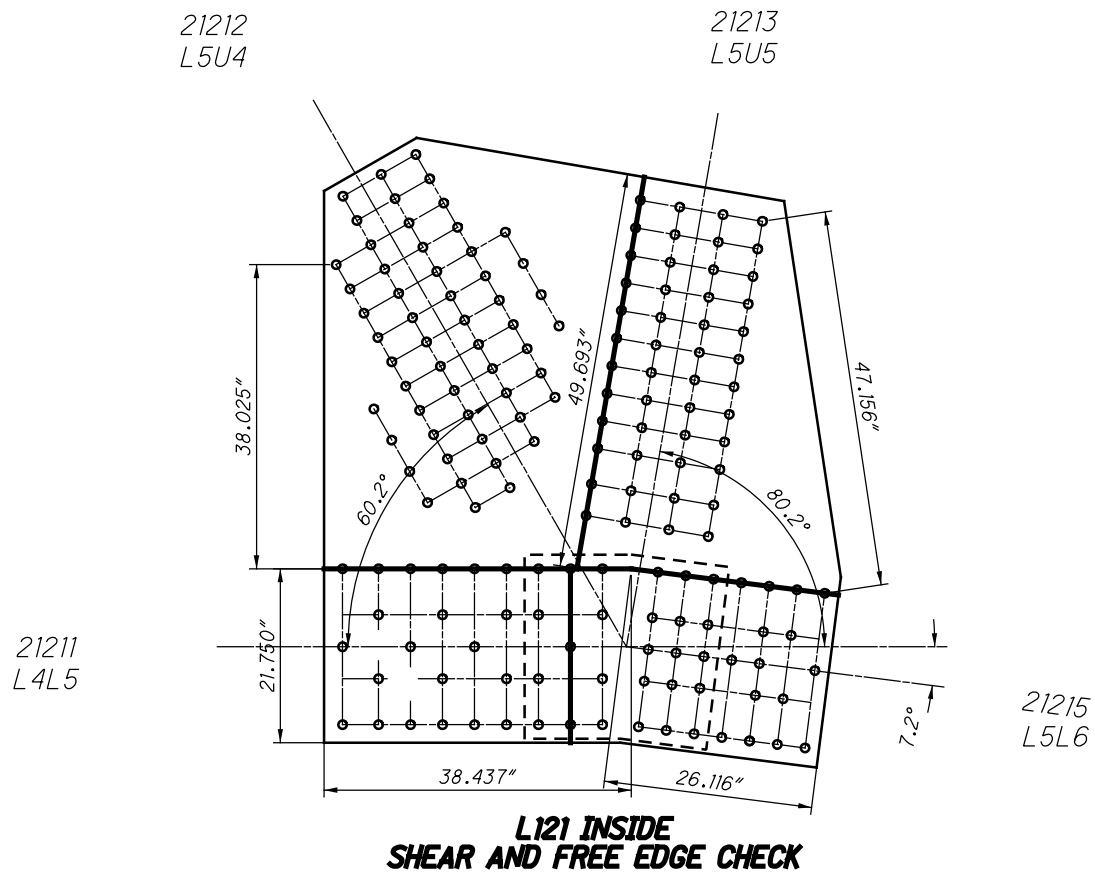
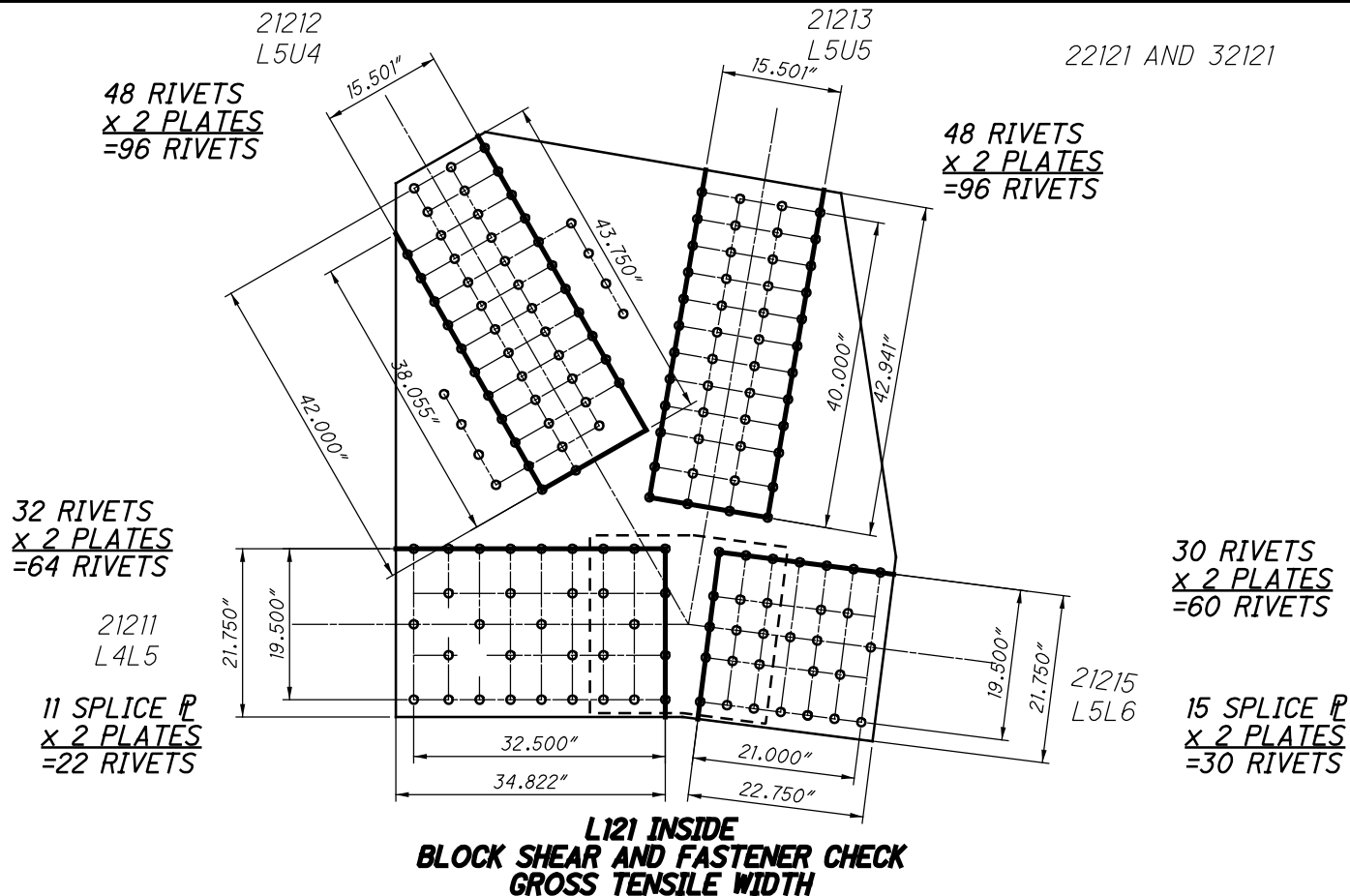
**L121 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**L121 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L121 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



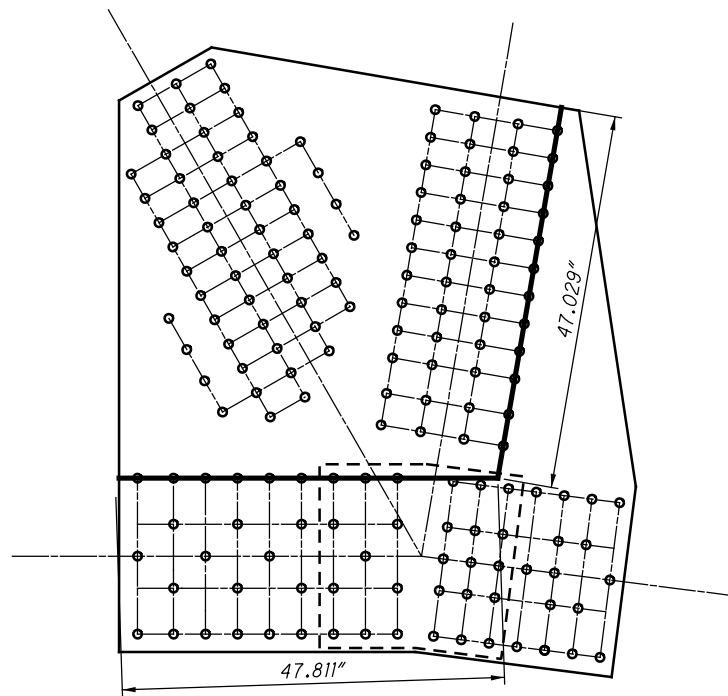
21212
L5U4

21213
L5U5

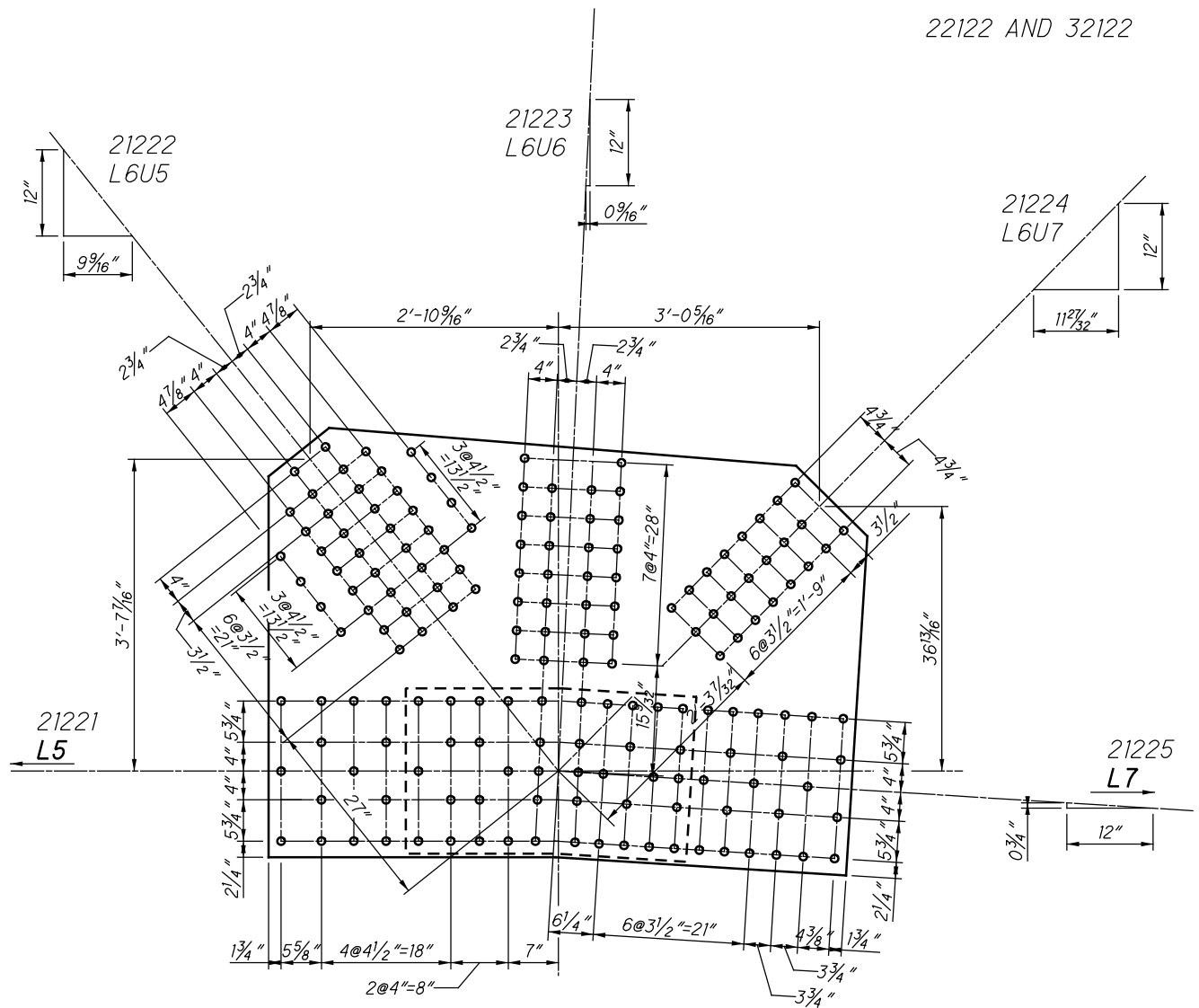
22121 AND 32121

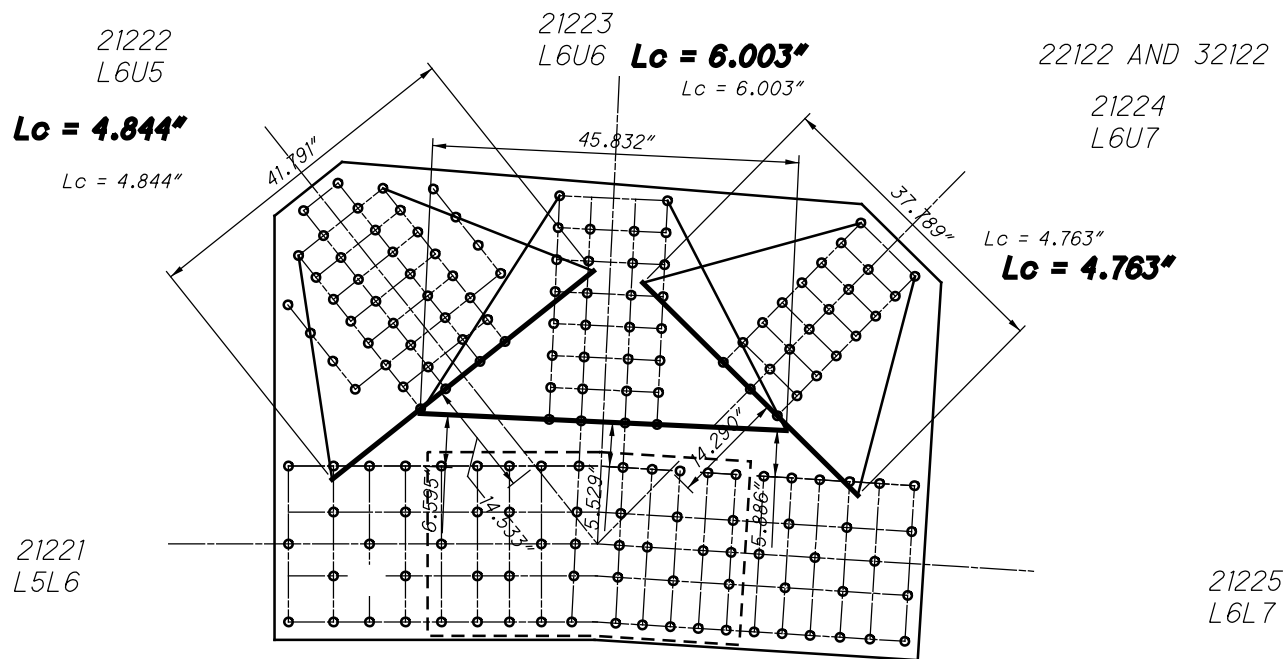
21211
L4L5

21215
L5L6

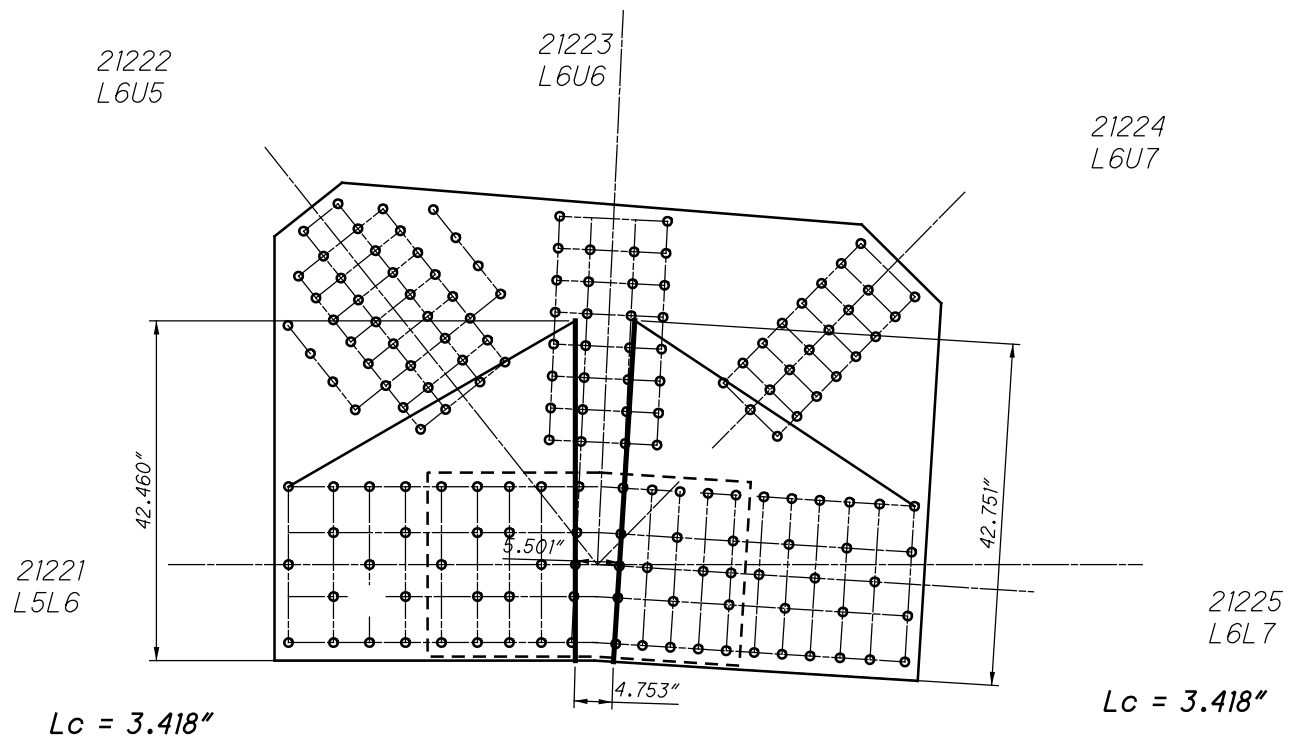


**L121 INSIDE
QUADRANT DIMENSIONS**

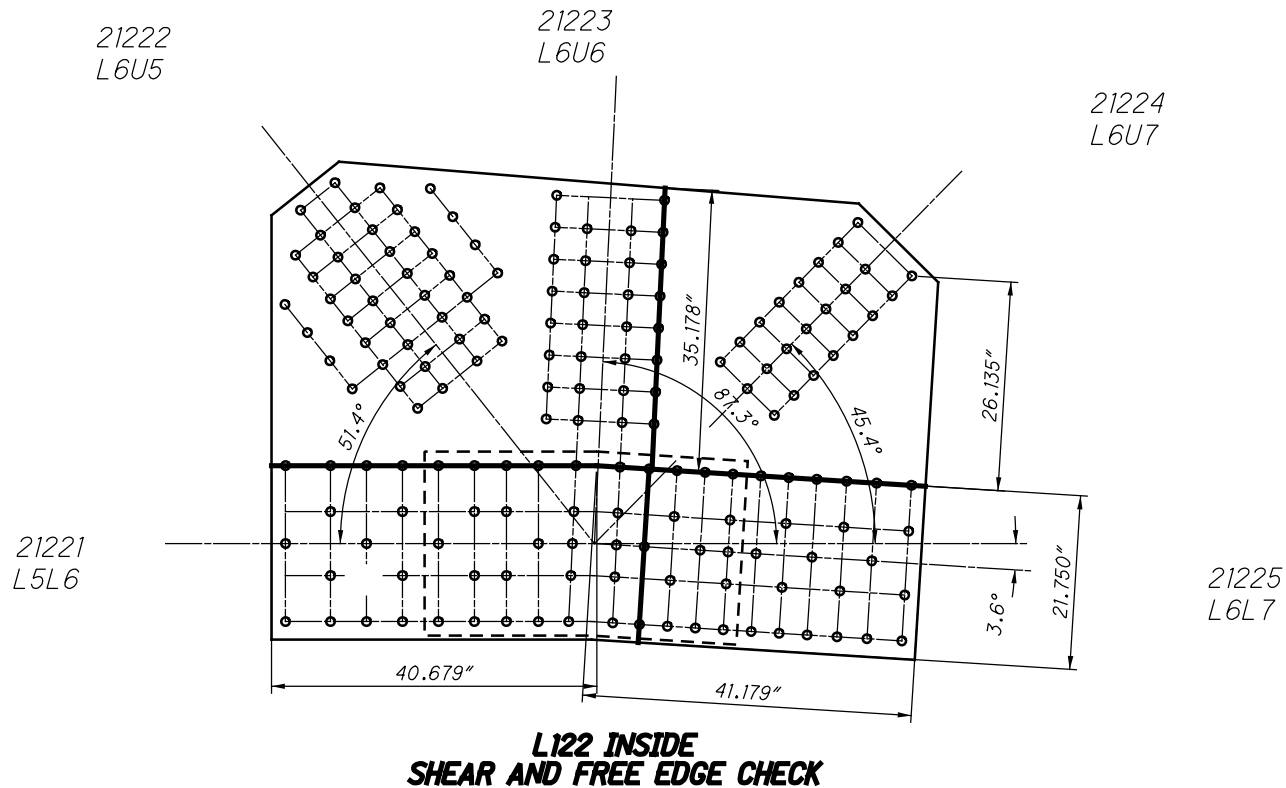
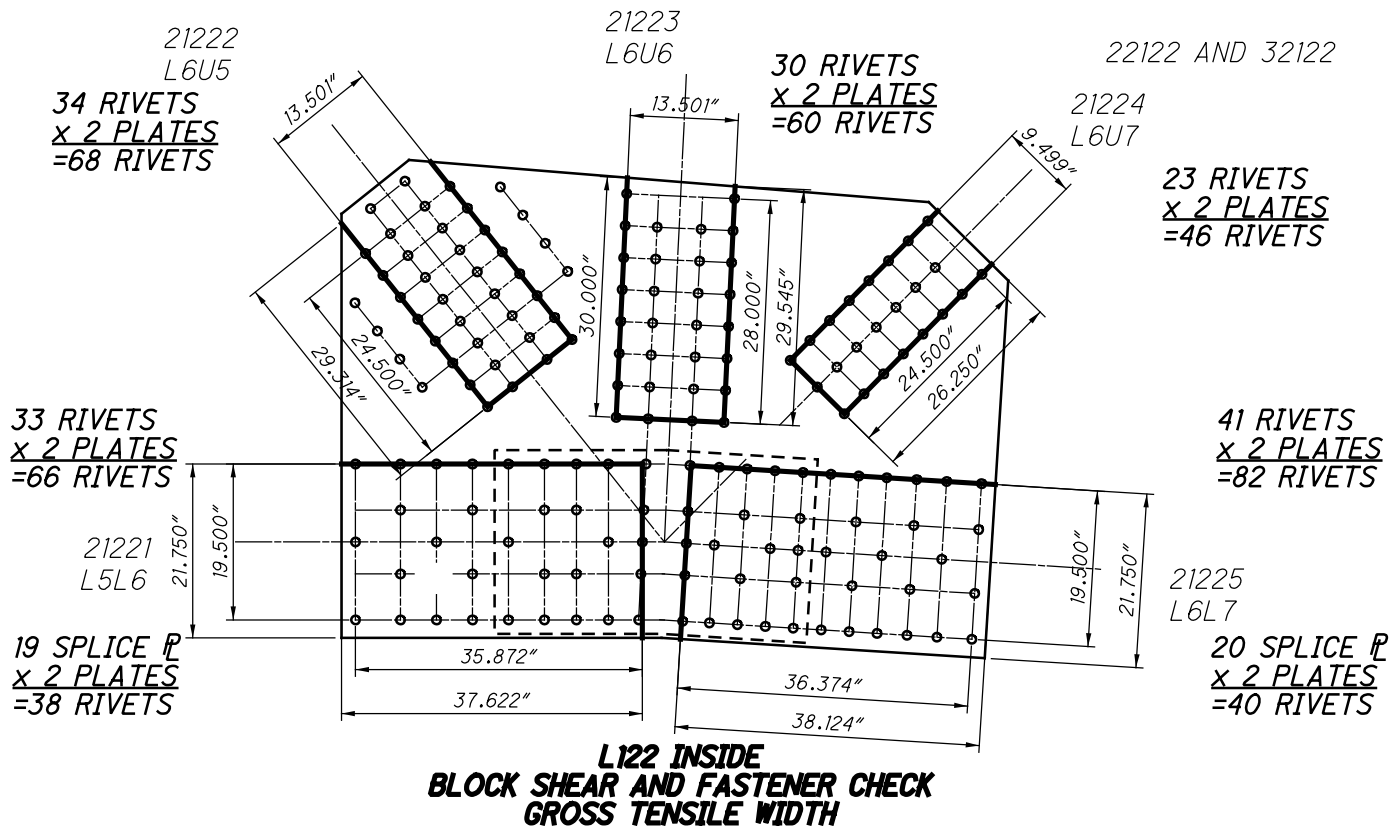




**L122 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L122 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



21222
L6U5

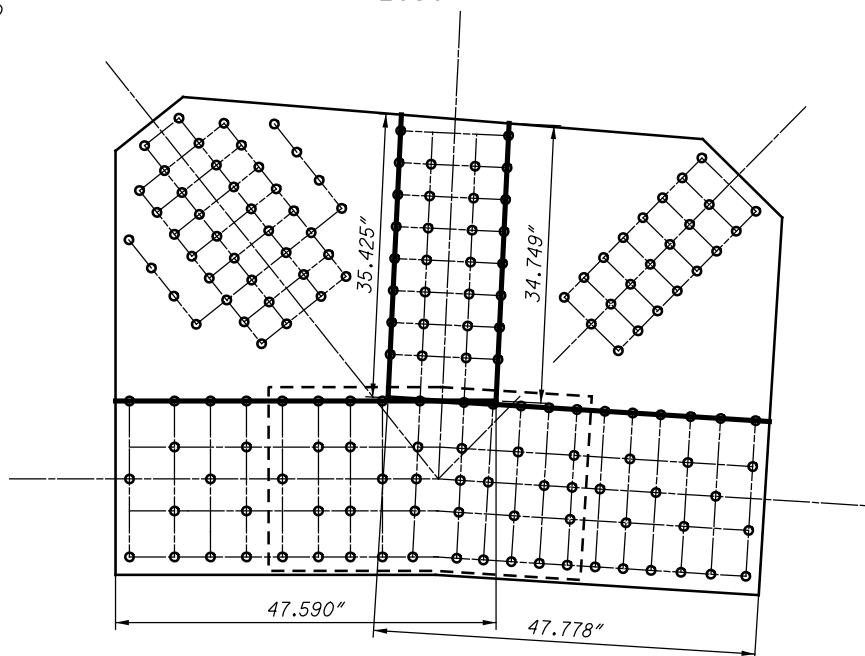
21223
L6U6

22122 AND 32122

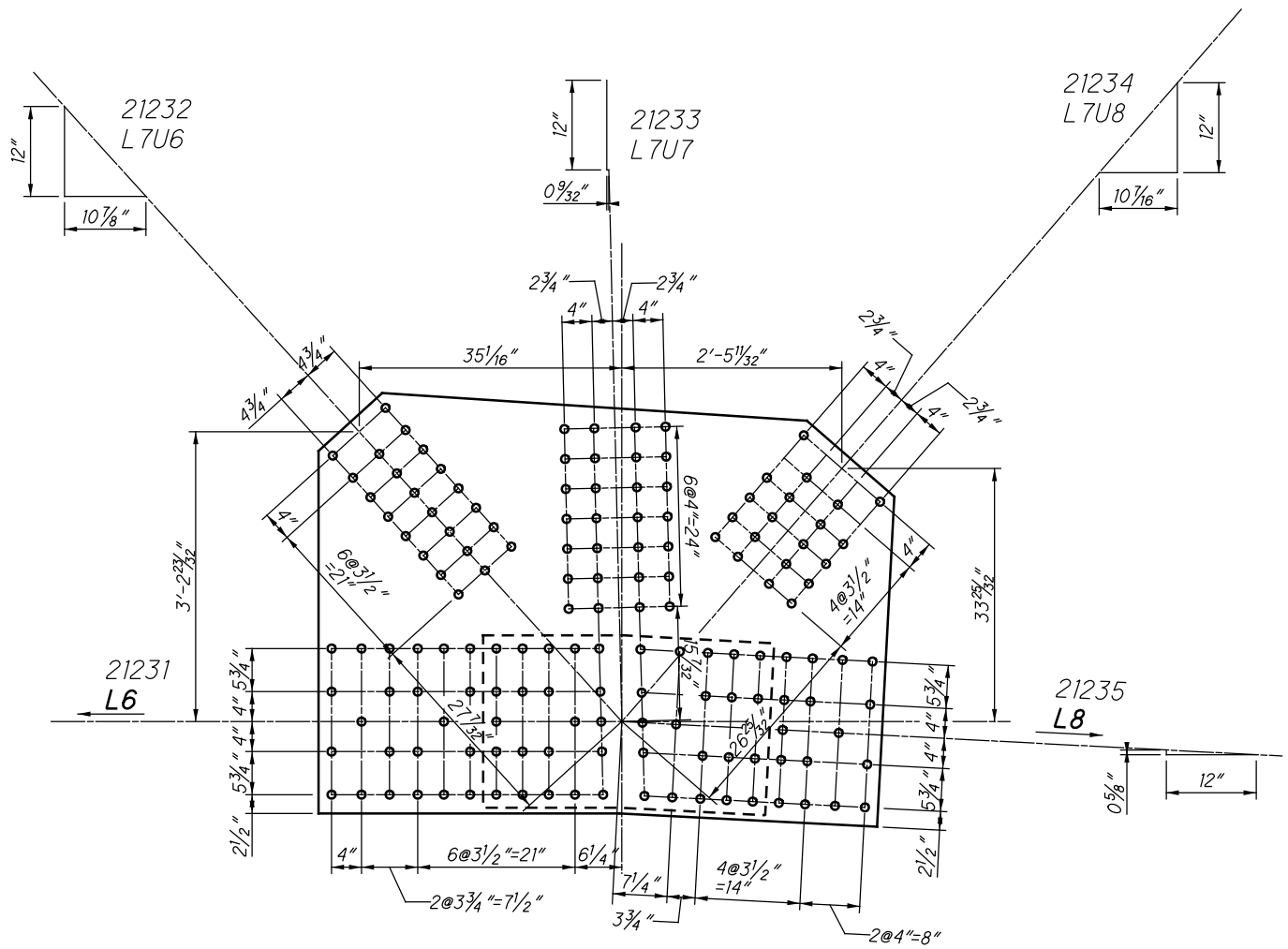
21224
L6U7

21221
L5L6

21225
L6L7

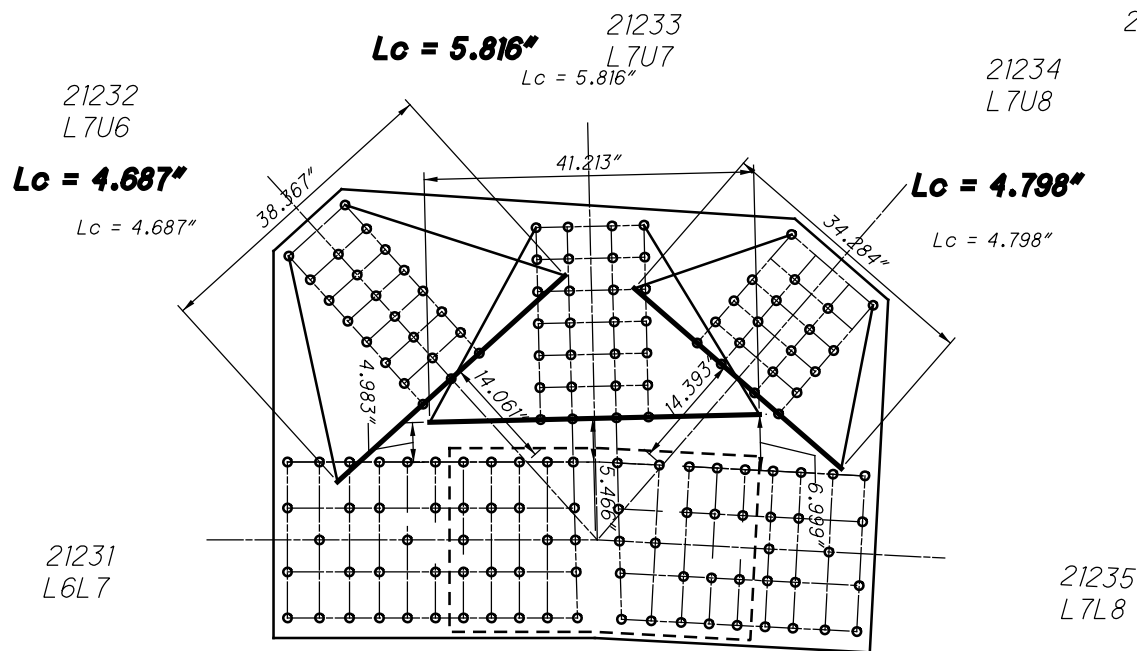


**L122 INSIDE
QUADRANT DIMENSIONS**

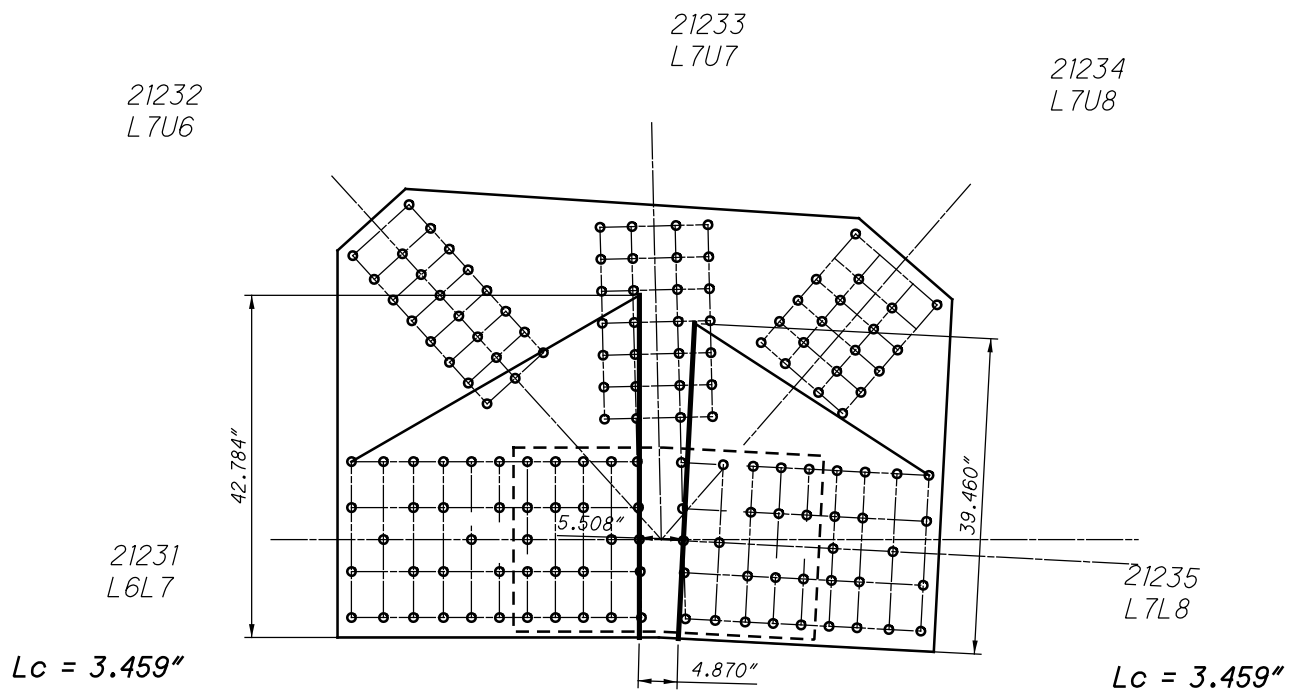


SPLICE PLATE
24" X 1¹/₂" X 3'-3"

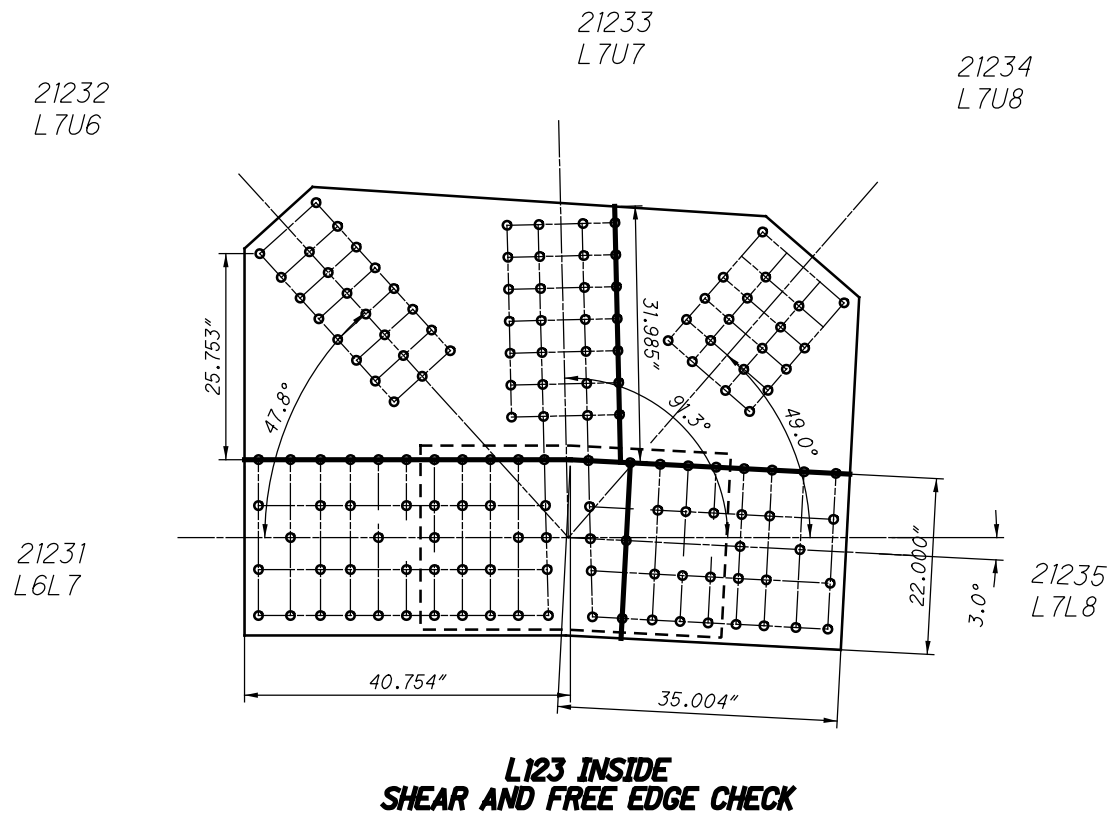
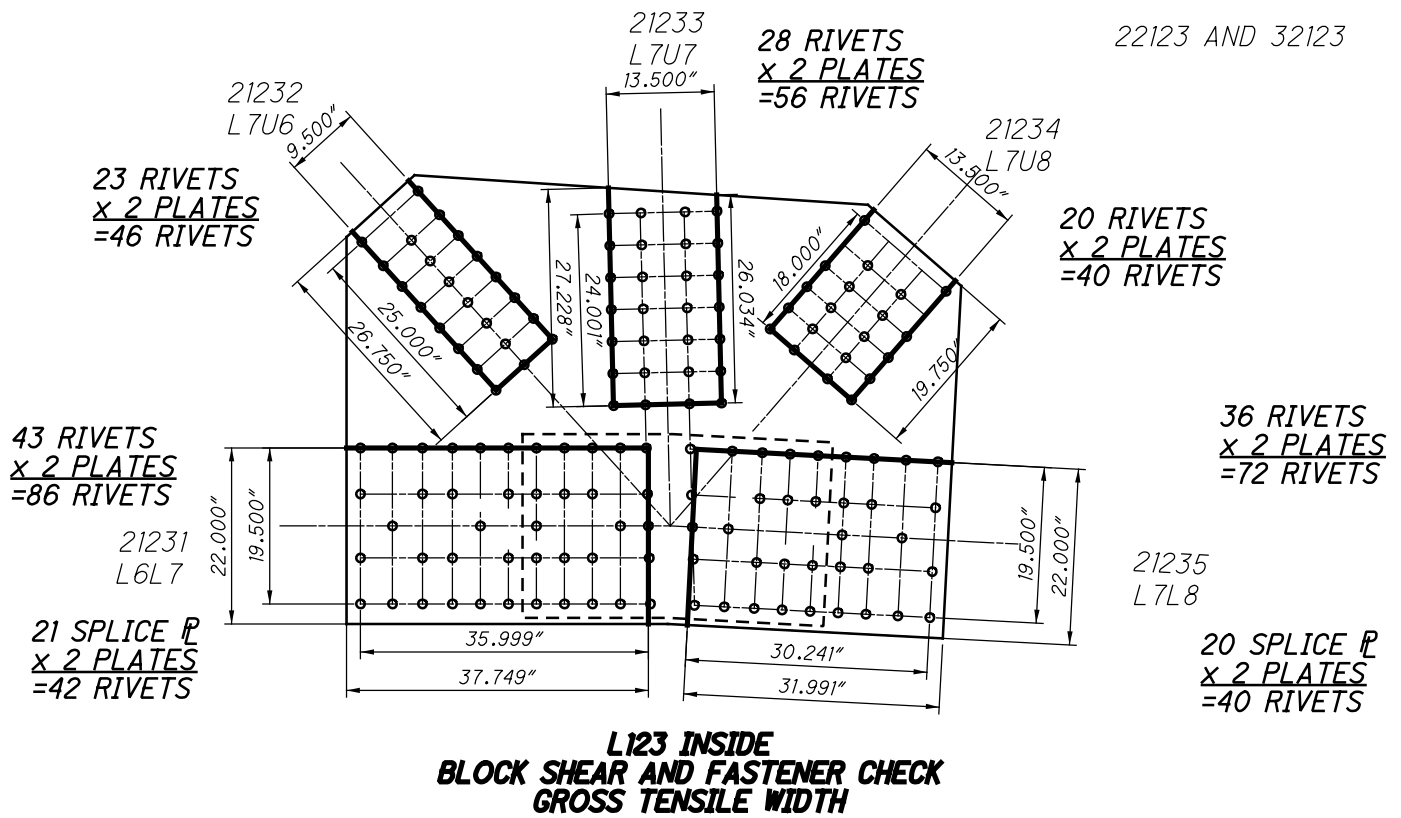
**L123 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**L123 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L123 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



21232
L7U6

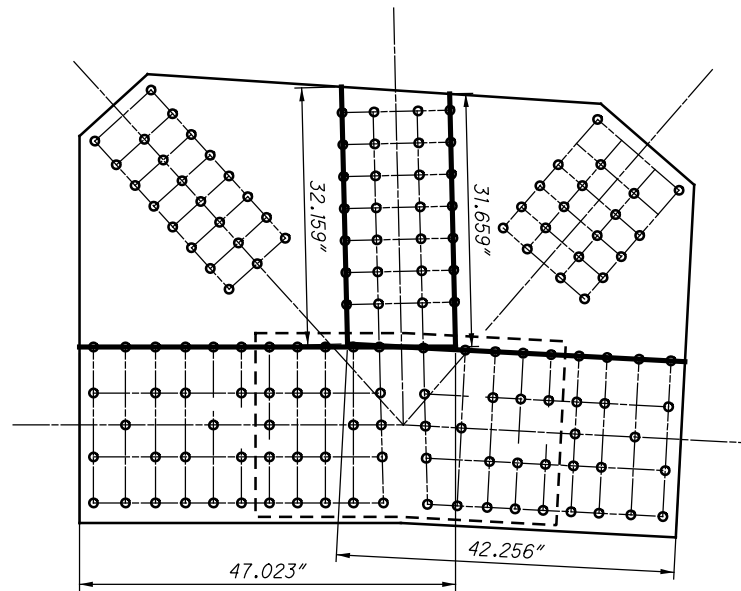
21233
L7U7

22123 AND 32123

21234
L7U8

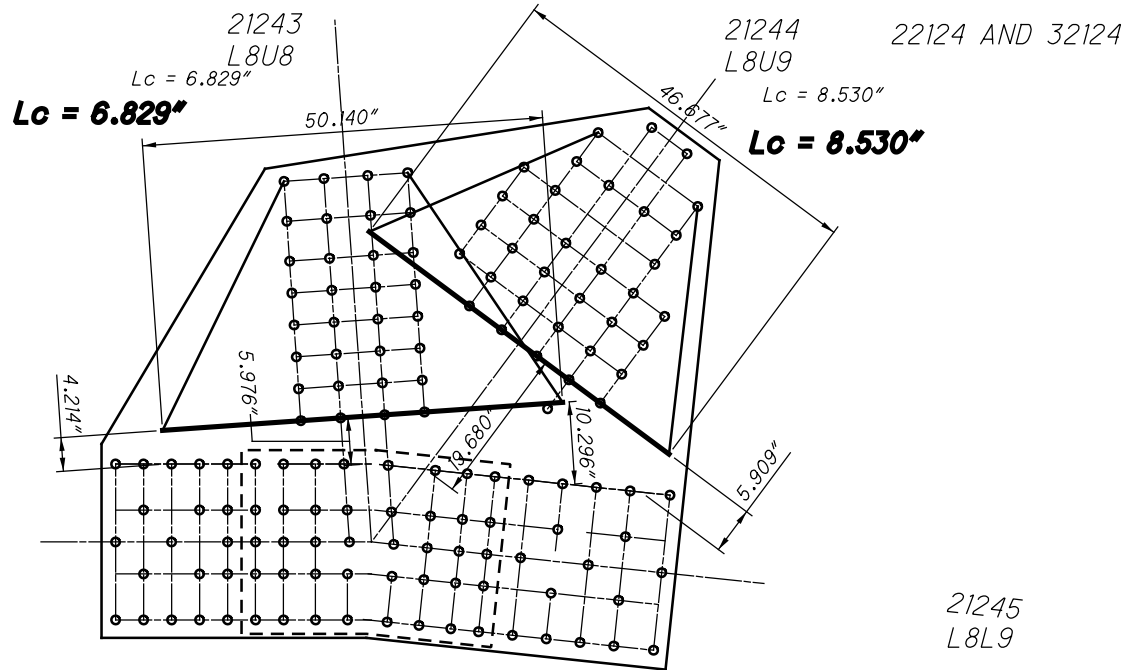
21231
L6L7

21235
L7L8



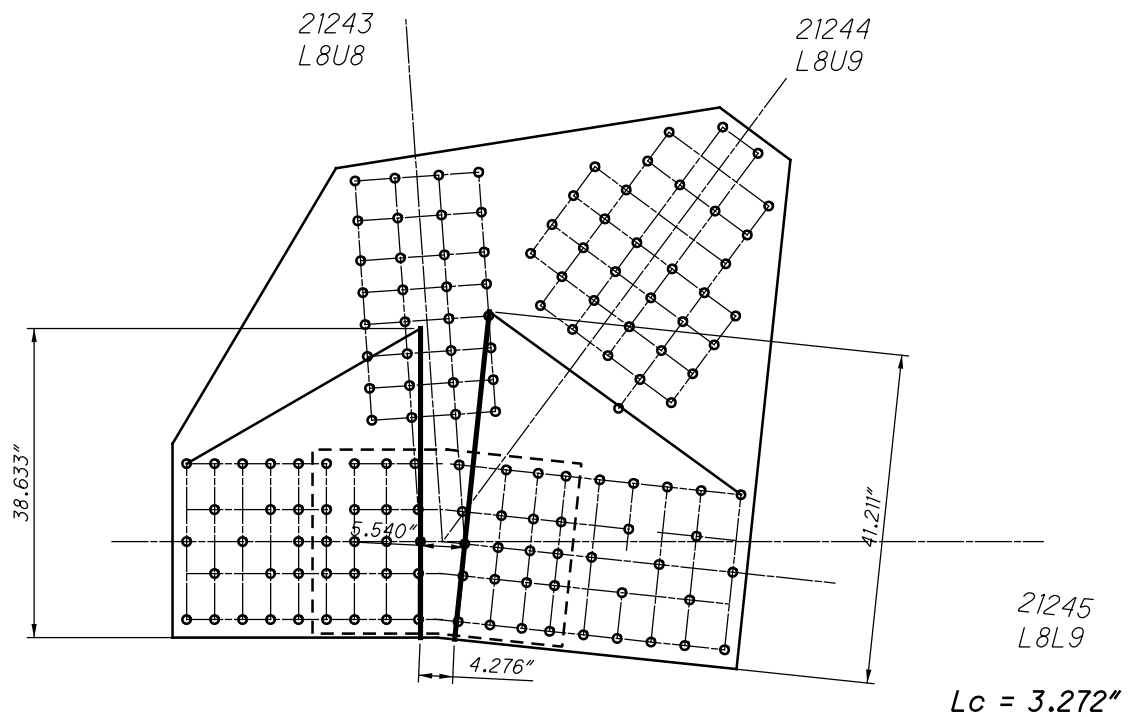
**L123 INSIDE
QUADRANT DIMENSIONS**

21241
L7L8



**L124 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21241
L7L8
 $L_c = 3.272''$



**L124 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

32 RIVETS
x 2 PLATES
=64 RIVETS

39 RIVETS
x 2 PLATES
=78 RIVETS

21241
L7L8

20 SPLICE \bar{P}
x 2 PLATES
=40 RIVETS

21243
L8U8

15.500"

21244
L8U9

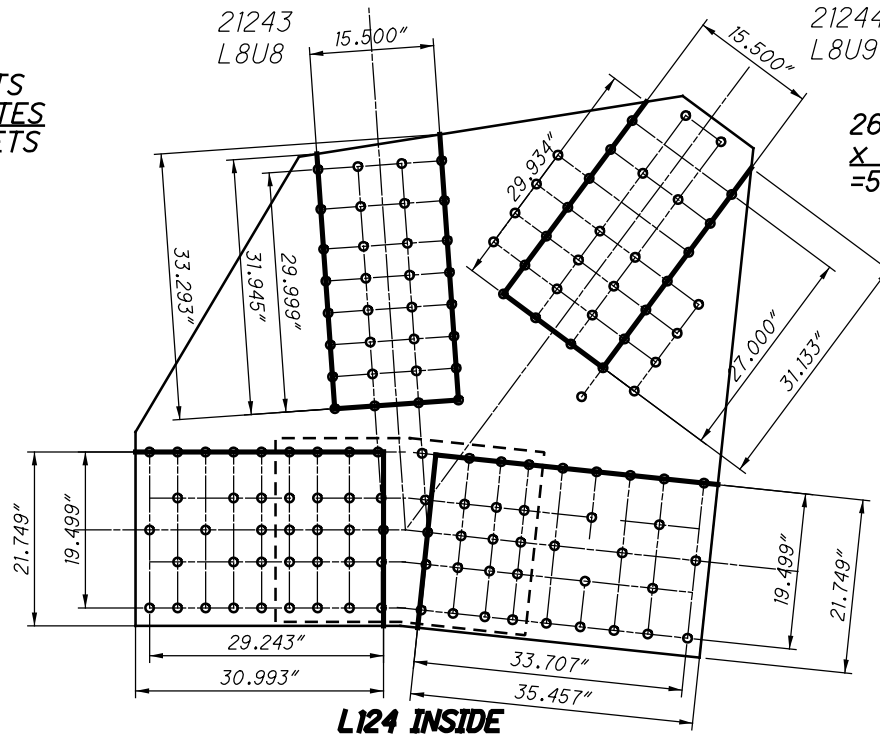
22124 AND 32124

26 RIVETS
x 2 PLATES
=52 RIVETS

37 RIVETS
x 2 PLATES
=74 RIVETS

21245
L8L9

20 SPLICE \bar{P}
x 2 PLATES
=40 RIVETS



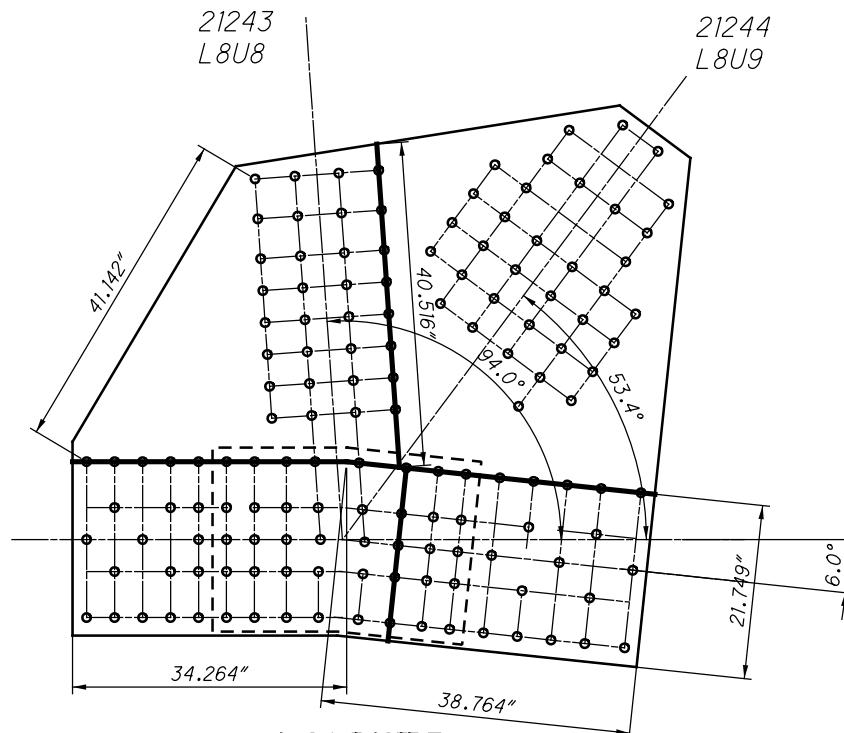
**L124 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21243
L8U8

21244
L8U9

21241
L7L8

21245
L8L9



**L124 INSIDE
SHEAR AND FREE EDGE CHECK**

21243
L8U8

21244
L8U9

22124 AND 32124

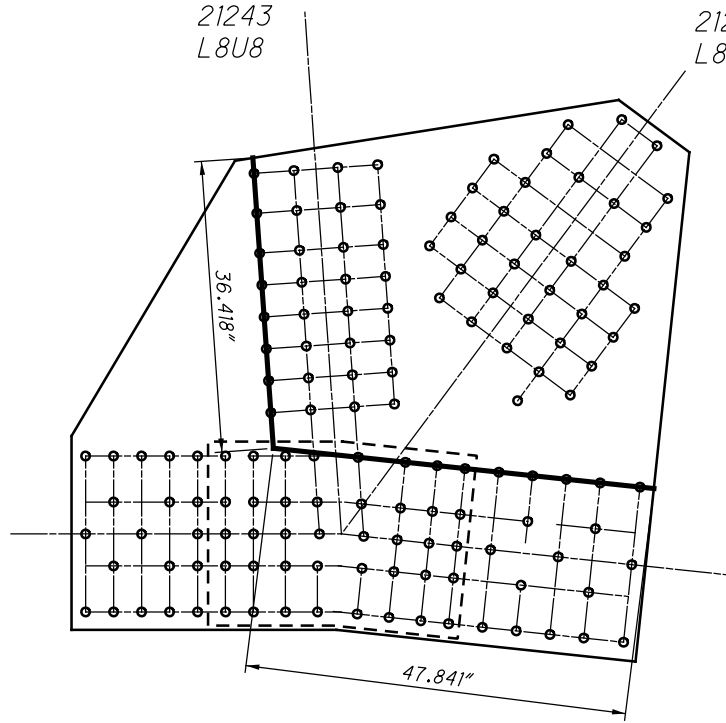
36.418"

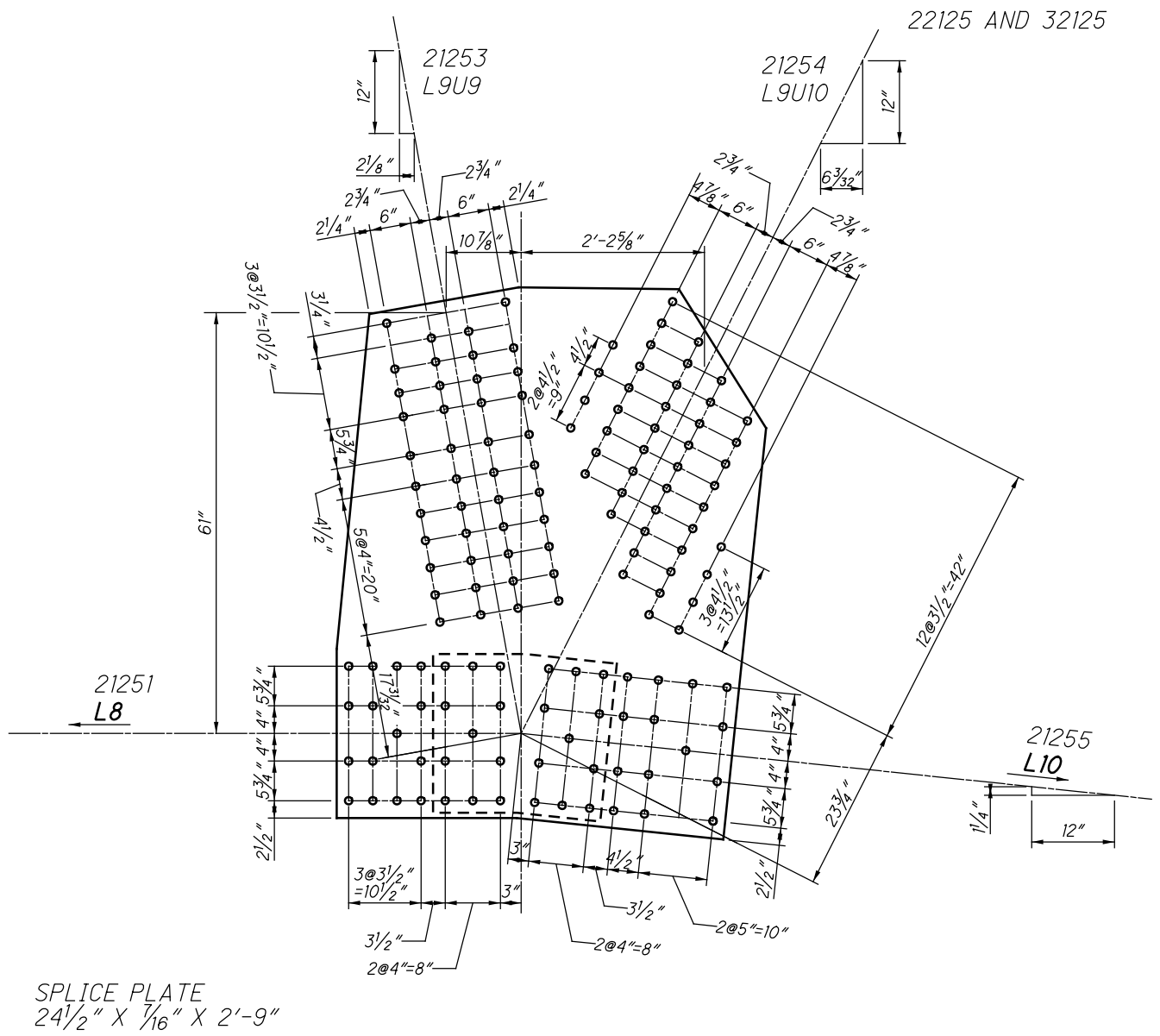
21241
L7L8

21245
L8L9

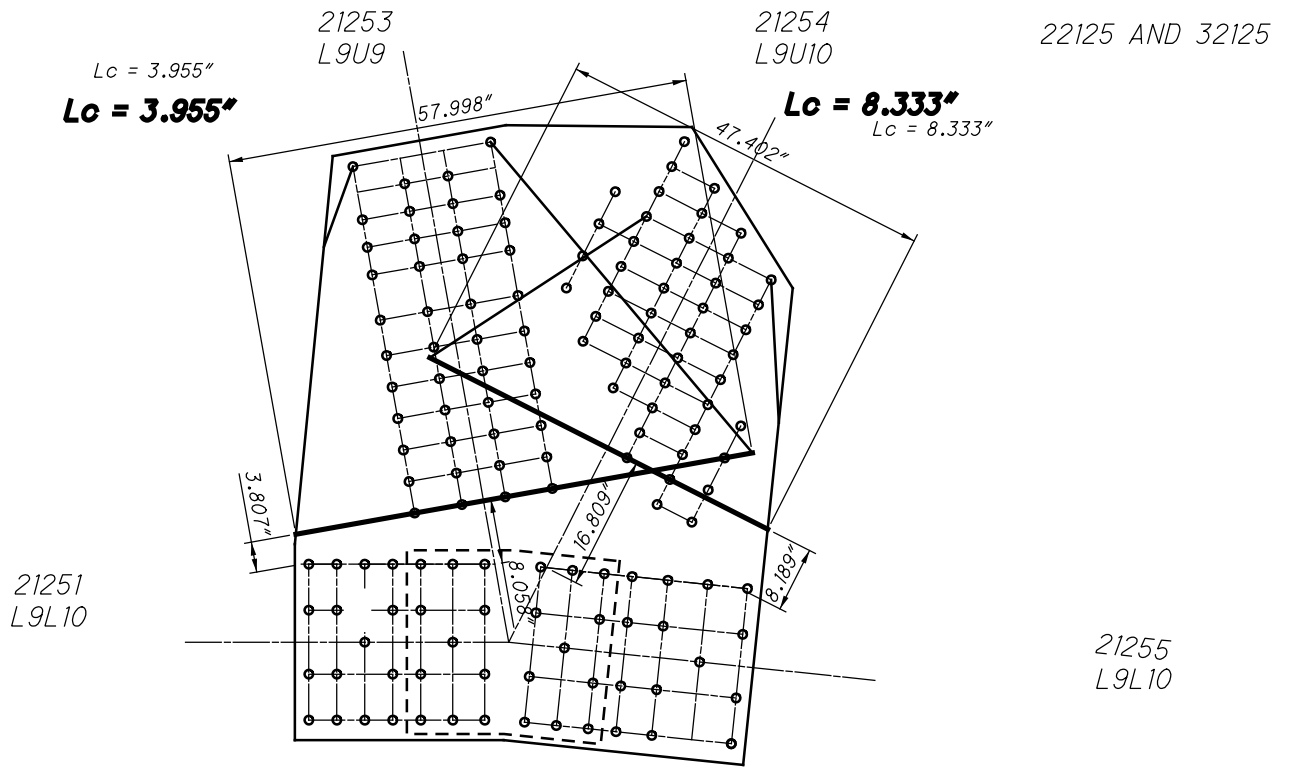
47.841"

**L124 INSIDE
QUADRANT DIMENSIONS**

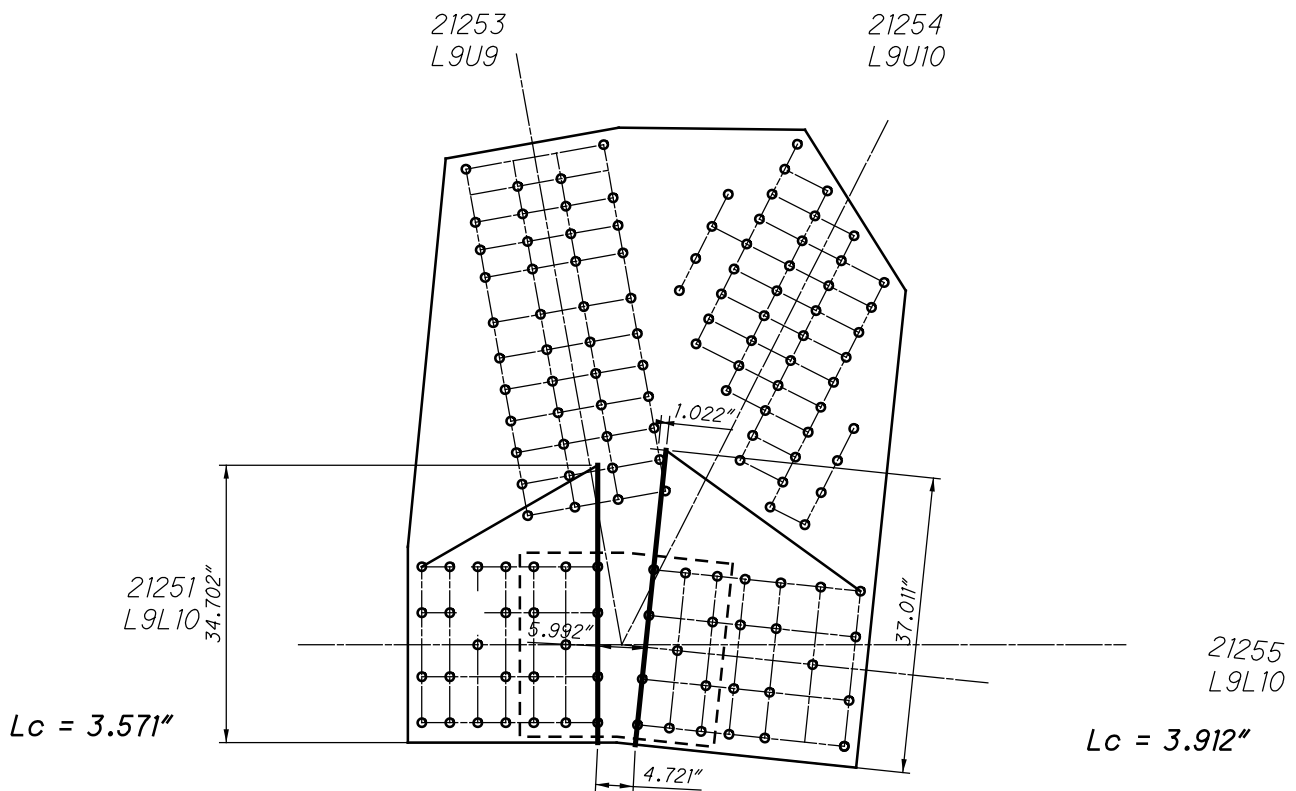




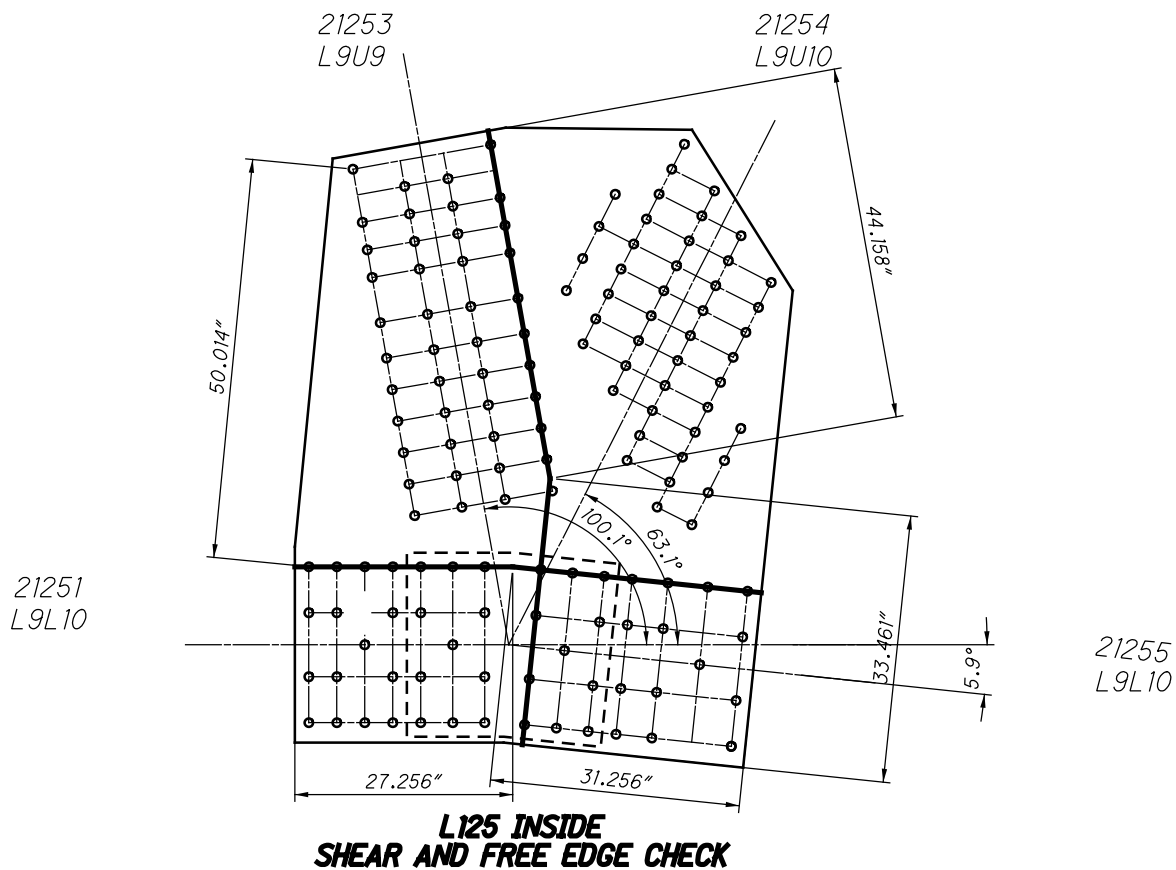
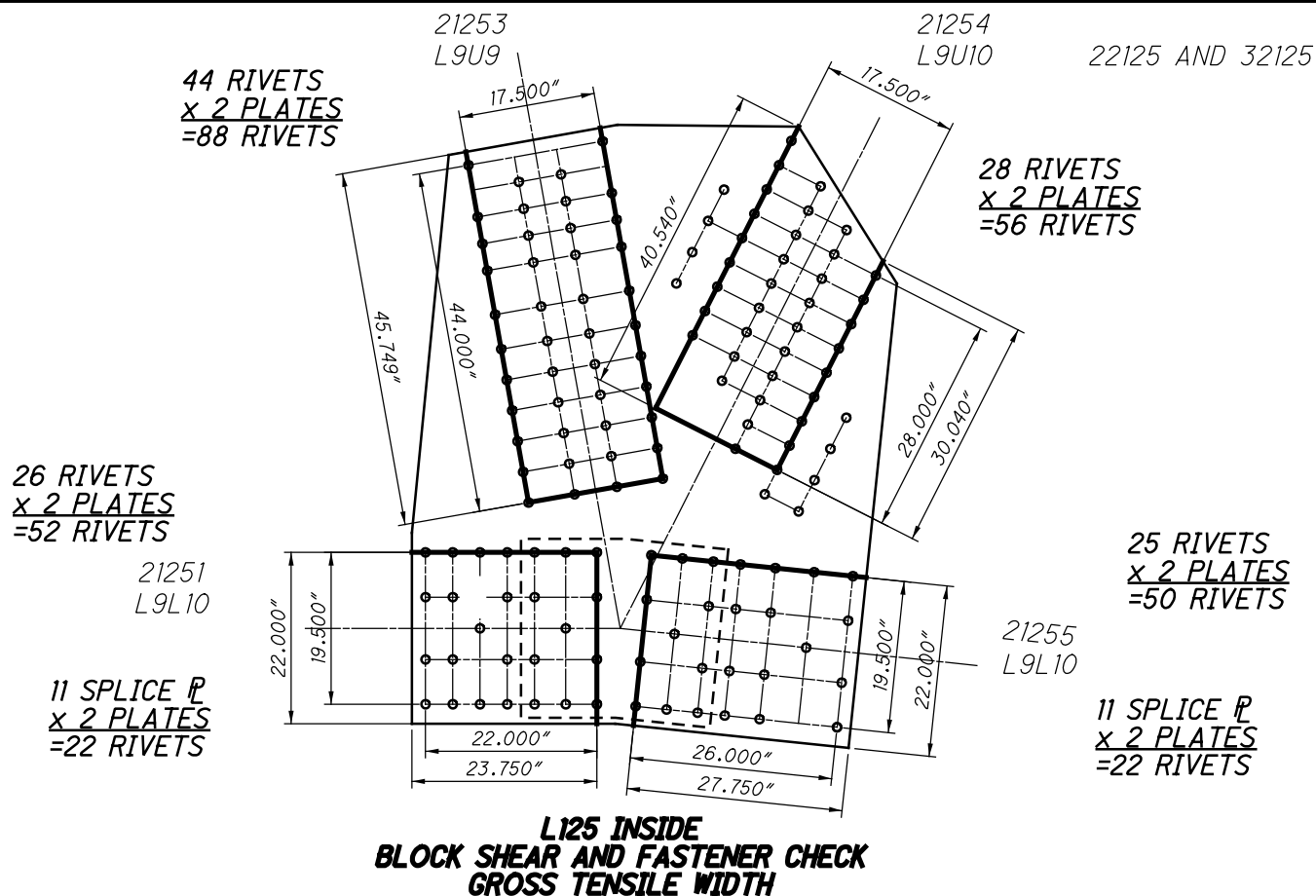
**L125 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**



**L125 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



**L125 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**



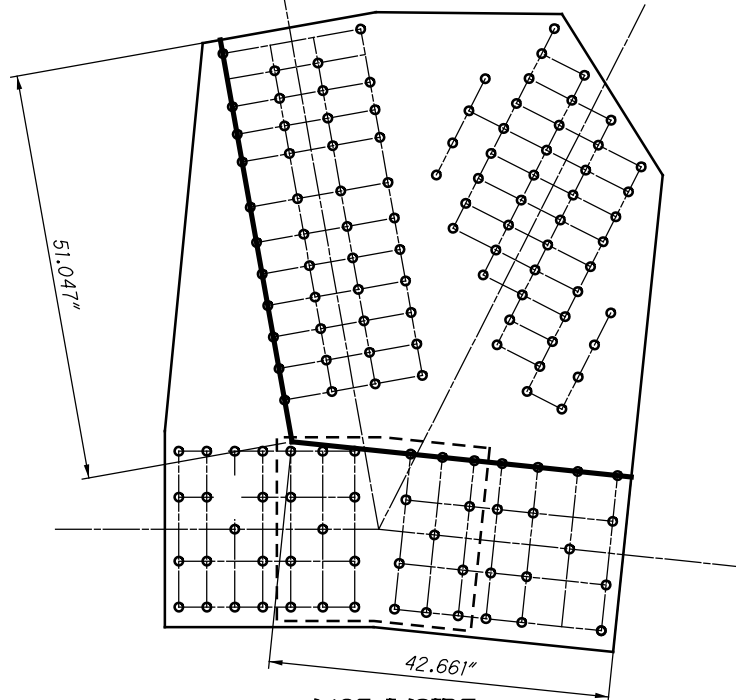
21253
L9U9

21254
L9U10

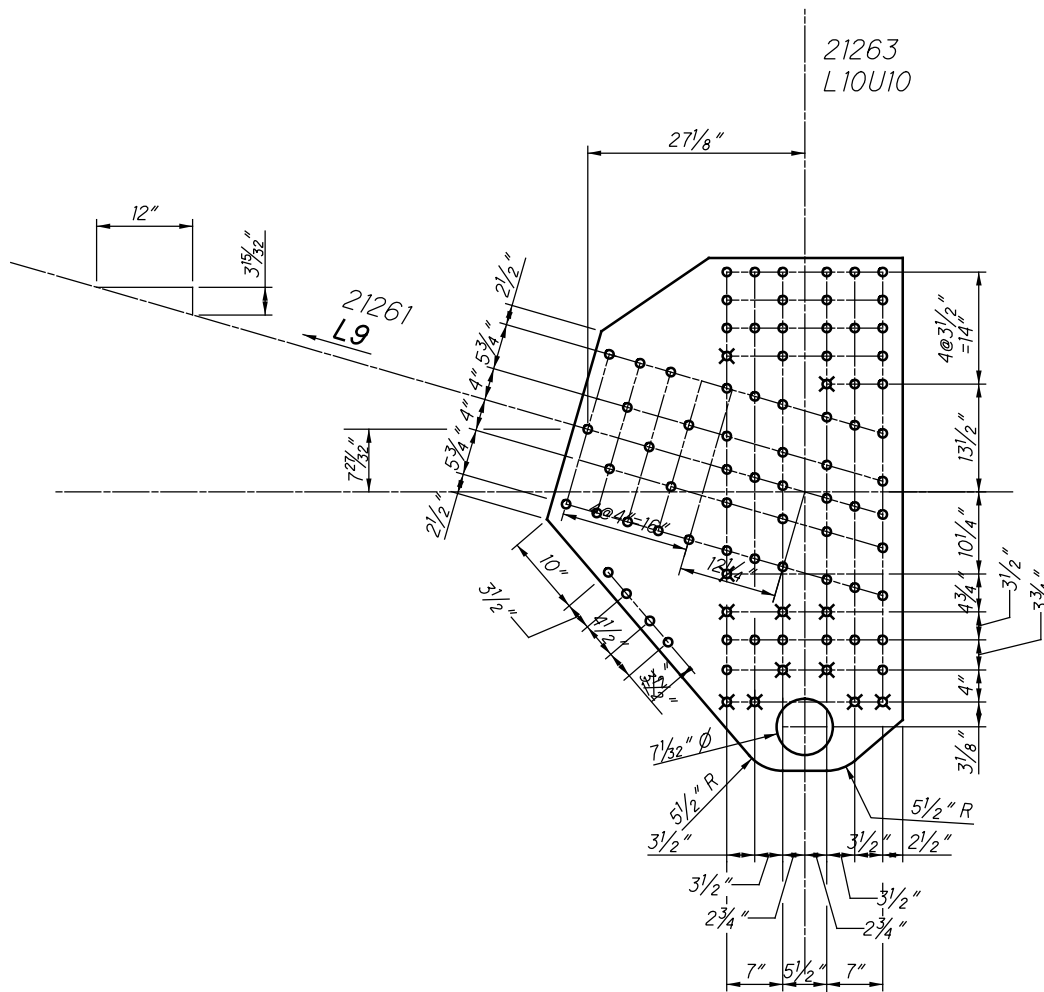
22125 AND 32125

21251
L9L10

21255
L9L10



**L125 INSIDE
QUADRANT DIMENSIONS**



**L126 INSIDE (SPAN 18)
(NEAR AND FAR SIDE)**

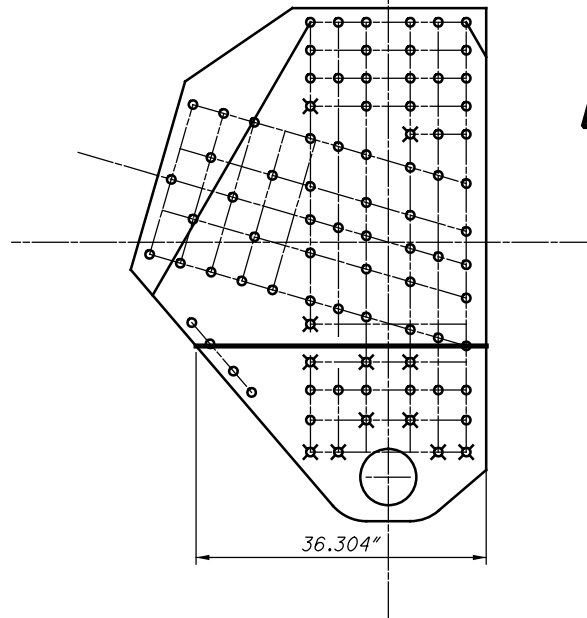
21263
L10U10

22126 AND 32126

INTERNAL BOLSTER BEARS ON PIN

21261
L9L10

$L_c = 0.000"$

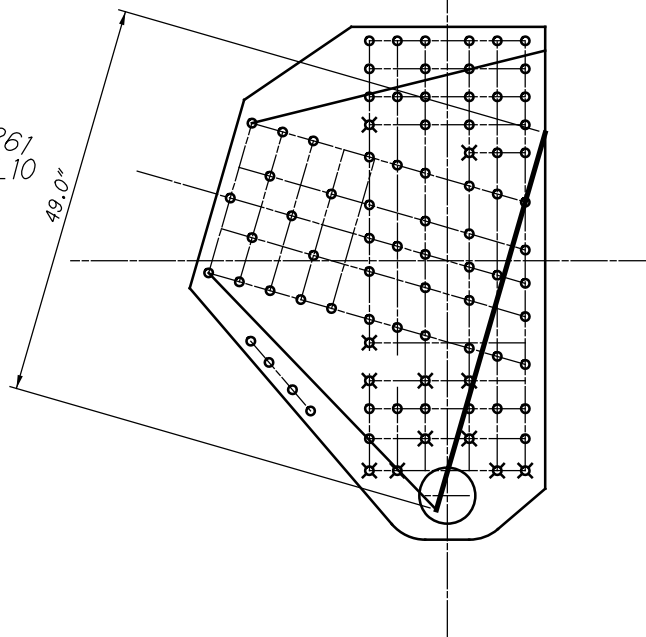


**L126 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

21263
L10U10

21261
L9L10

49.0"



**L126 INSIDE
WHITMORE WIDTHS AND INDIVIDUAL LB'S**

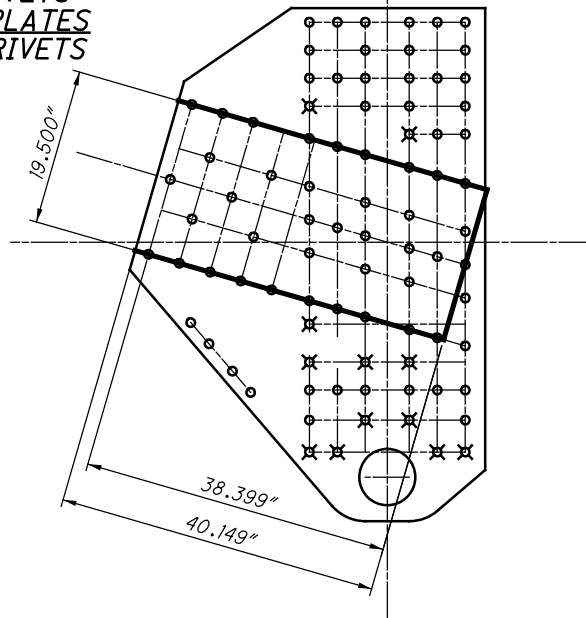
21263
L10U10

22126 AND 32126

40 RIVETS
x 2 PLATES
= 80 RIVETS

21261
L9L10

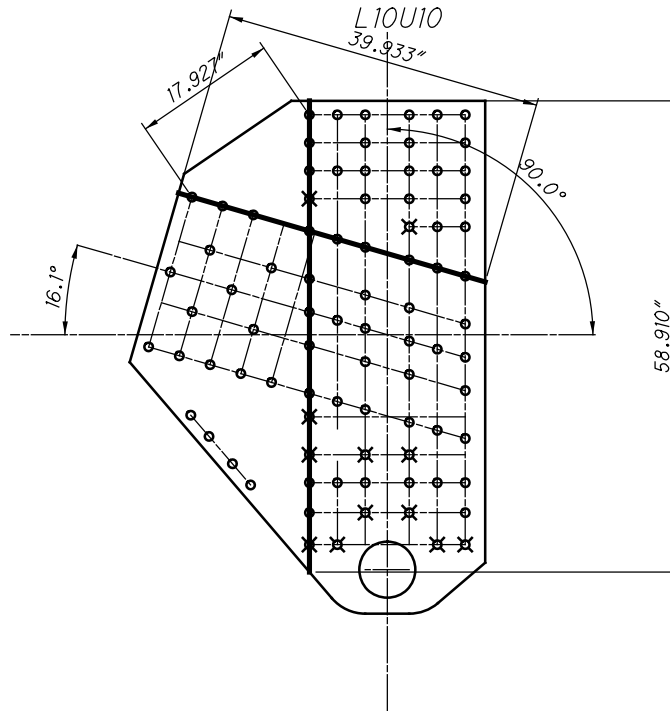
DUMMY MEMBER



**L126 INSIDE
BLOCK SHEAR AND FASTENER CHECK
GROSS TENSILE WIDTH**

21263
L10U10
39.933"

21261
L9L10

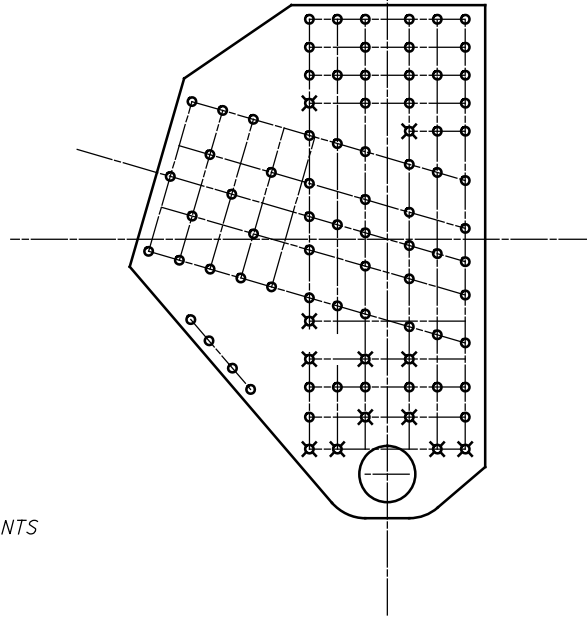


**L126 INSIDE
SHEAR AND FREE EDGE CHECK**

21263
L10U10

22126 AND 32126

21261
L9L10



NO QUADRANTS

**L126 INSIDE
QUADRANT DIMENSIONS**