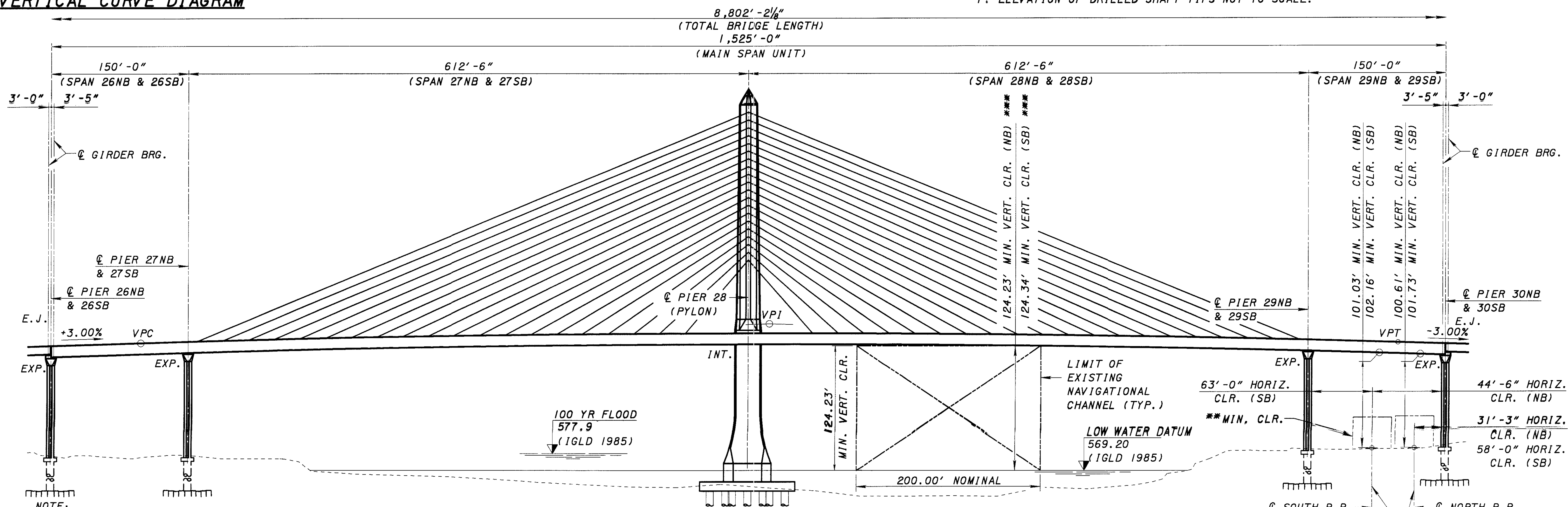


- NOTE:**
- FOR BOX GIRDER ALIGNMENTS SEE SHEETS B10 THRU B19.
  - ▲, ◆ DENOTES BORING LOCATION. FOR BORING LOG INFORMATION SEE SHEETS 1585 THRU 1879.
  - FOR HYDRAULIC INFORMATION SEE FLOOD HAZARD EVALUATION AND SCOUR ANALYSIS, NEW MAUMEE RIVER CROSSING TOLEDO, OHIO BY DLZ ENGINEERS, COLUMBUS, OHIO (REVISED OCT. 2000)
  - FOR SURVEY BENCH MARK INFORMATION SEE ROADWAY PLANS SHEETS 8 THRU 16.
  - FOR UTILITY AND RIGHT OF WAY INFORMATION SEE ROADWAY PLANS SHEETS 96-148, 162-172, 370-373.

- NOTE:**
- REQUIRED CONSTRUCTION CLEARANCE SHALL BE MINIMUM OF 14'-0" HORIZONTAL FROM C OF TRACKS AND 22'-0" VERTICAL AS MEASURED 6'-0" FROM C TRACKS. IF THE REQUIRED MINIMUM CONSTRUCTION CLEARANCES NEED TO BE ENCROACHED UPON BY THE CONTRACTOR DUE TO HIS MEANS AND METHODS, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND OBTAIN WRITTEN PERMISSION FROM THE AFFECTED RAILROAD.
  - ELEVATION OF DRILLED SHAFT TIPS NOT TO SCALE.



CONTRACTOR SHALL REMOVE FOUNDATIONS FOR THE TEMPORARY PIERS TO AT LEAST 3'-0" BELOW MUDLINE.

**ELEVATION**  
(STATIONS AND SPAN LENGTHS SHOWN ARE TAKEN ALONG C SURVEY & C CONSTRUCTION I-280)

\*\*\* - BRIDGE ELEVATIONS BASED ON NAVD 1988. SEE SHEET B6 (GENERAL NOTES)

C SOUTH R.R. C NORTH R.R. NORFOLK & SOUTHERN RAILROAD

06/06/01  
... \B-0220.DGN

DESIGN AGENCY  
**Figg Bridge Engineers, Inc.**  
424 North Colhoun Street  
Tulahoma, Florida 32001

DATE: 6-01  
REVIEWED: WDP  
DRAWN: MEM  
DESIGNED: ADH  
CHECKED: WDP

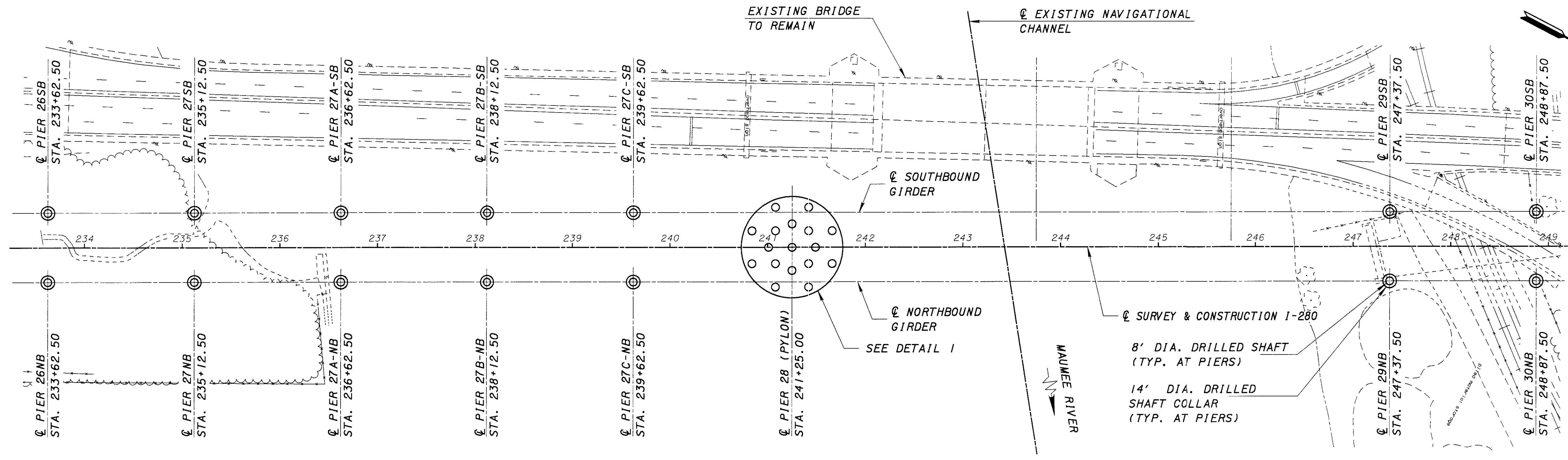
LUCAS COUNTY  
STA. 200+18.54 to  
STA. 288+67.40

**MAIN SPAN UNIT - SITE PLAN**  
BRIDGE NO. LUC-280-0283  
I-280 OVER THE MAUMEE RIVER

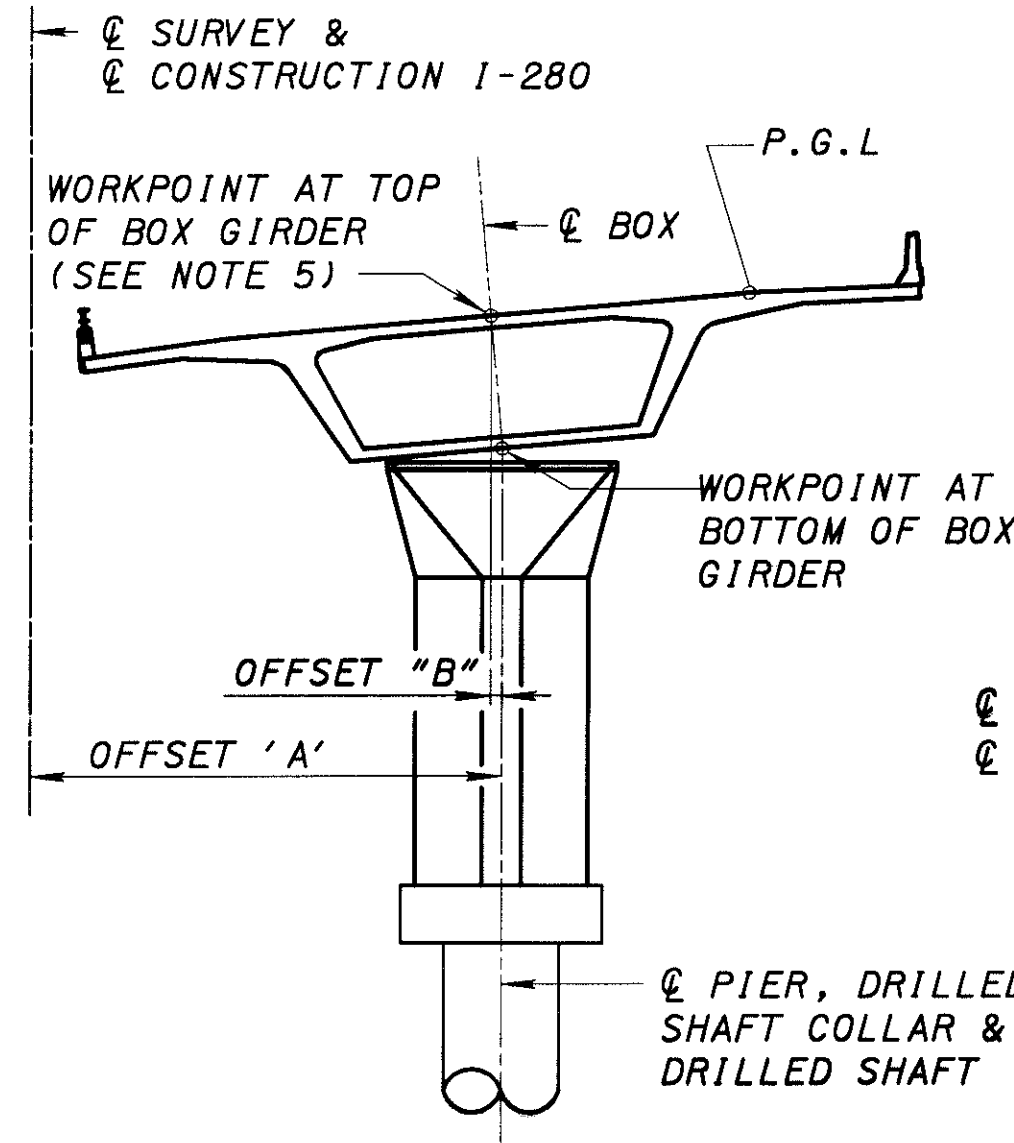
LUC-280-2.96

B20/844

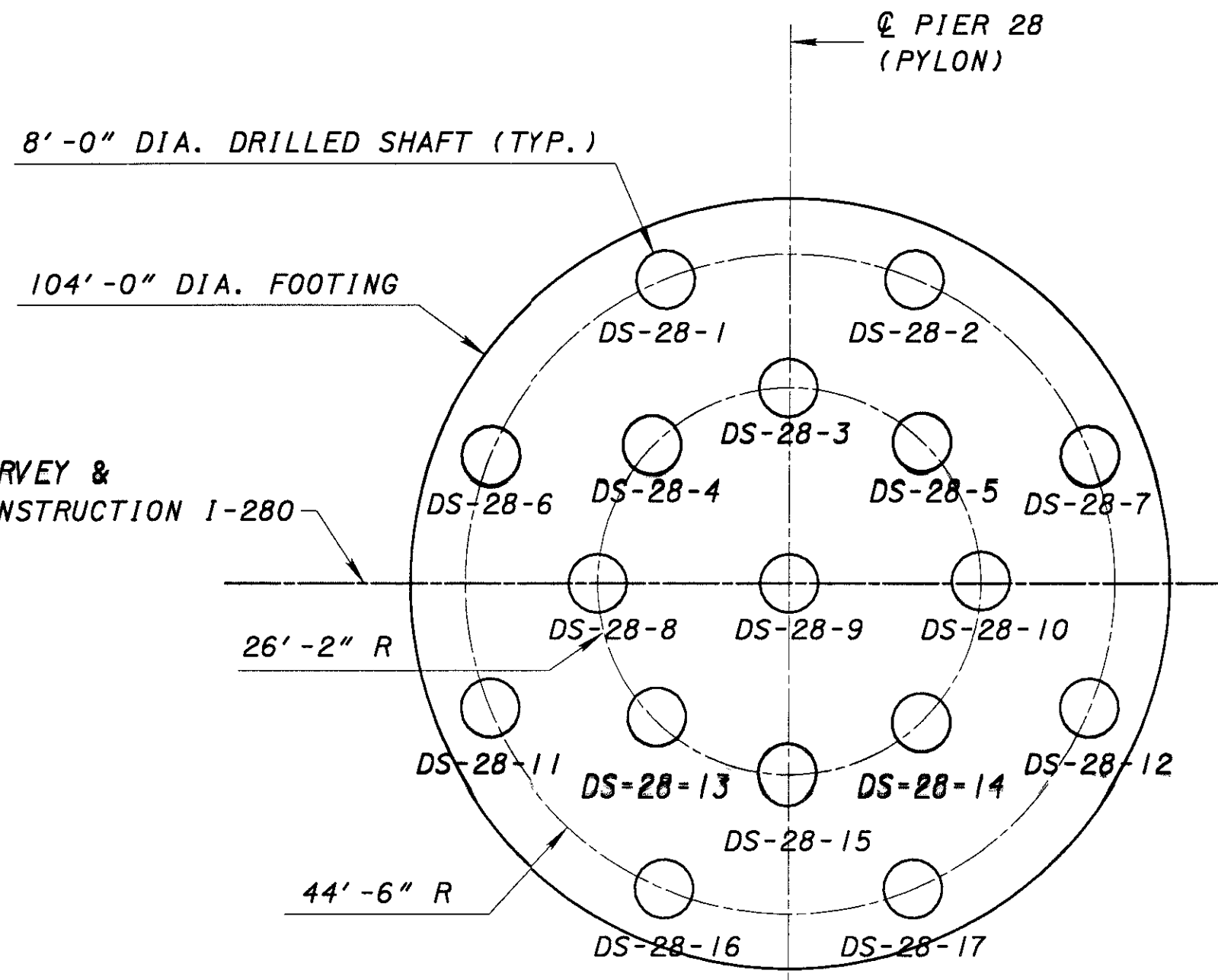
649  
1879



**PLAN**



**OFFSET DETAIL B**



**DETAIL I**

PIER OFFSETS**				
MAIN SPAN-NORTHBOUND				
PIER NO.	STATION	OFFSET 'A'	ROTATION	OFFSET 'B'
***26NB	233+62.50	35.50	0	0.142 / 0.189
27NB	235+12.50	35.48	0	0.189
27A-NB	236+62.50	35.48	0	0.189
27B-NB	238+12.50	35.48	0	0.189
27C-NB	239+62.50	35.48	0	0.189
28 (PYLON)	241+25.00	0.00	0	0.189
29NB	247+37.50	35.48	0	0.189
***30NB	248+87.50	35.50	0	0.189 / 0.142

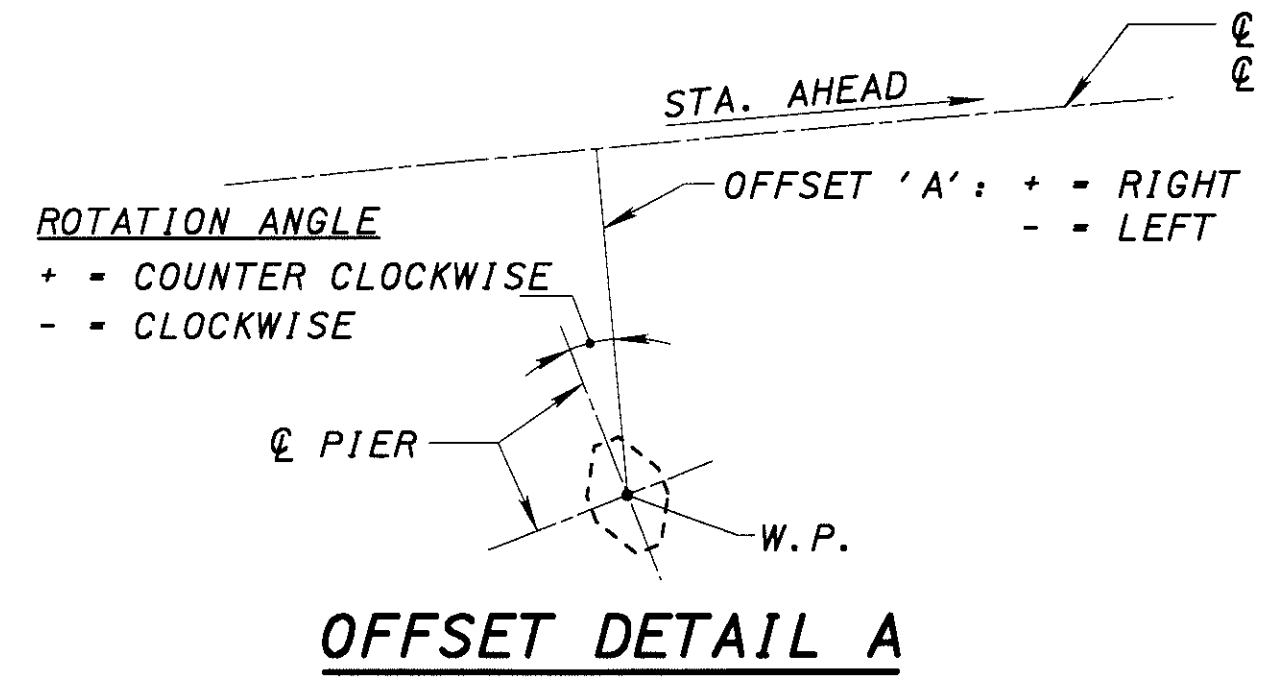
\*\* STATION, OFFSETS & ROTATION TAKEN FROM  
 Q SURVEY & Q CONSTRUCTION I-280

\*\*\* DUAL DIMENSIONS FOR OFFSET 'B' REPRESENT THE  
 DIFFERENCE IN APPROACH SPAN & MAIN SPAN BOX GIRDER  
 DEPTH LESS 1/2" FOR MILLING.

PIER OFFSETS**				
MAIN SPAN-SOUTHBOUND				
PIER NO.	STATION	OFFSET 'A'	ROTATION	OFFSET 'B'
***26SB	233+62.50	-35.50	0	-0.142 / -0.189
27SB	235+12.50	-35.48	0	-0.189
27A-SB	236+62.50	-35.48	0	-0.189
27B-SB	238+12.50	-35.48	0	-0.189
27C-SB	239+62.50	-35.48	0	-0.189
28 (PYLON)	241+25.00	0.00	0	-0.189
29SB	247+37.50	-35.48	0	-0.189
***30SB	248+87.50	-35.62	0	-0.056 / -0.042

\*\* STATION, OFFSETS & ROTATION TAKEN FROM  
 Q SURVEY & Q CONSTRUCTION I-280

\*\*\* DUAL DIMENSIONS FOR OFFSET 'B' REPRESENT THE  
 DIFFERENCE IN APPROACH SPAN & MAIN SPAN BOX GIRDER  
 DEPTH LESS 1/2" FOR MILLING.



**OFFSET DETAIL A**

**NOTE:**

- FOR APPROACH SPANS FOUNDATION LAYOUT SEE SHEETS B-260 THRU B-273.
- FOR DRILLED SHAFT SCHEDULE, SEE SHEET B-56.
- FOR PYLON FOUNDATION DETAILS, SEE SHEETS B-57 THRU B-60.
- NEGATIVE OFFSET 'B' IS TO THE LEFT LOOKING UPSTATION MEASURED HORIZONTALLY FROM Q PIER & W.P. AT THE BOTTOM OF BOX UP TO THE W.P. AT TOP OF BOX.
- FOUNDATION LOCATIONS BASED ON BOX GIRDER DEPTH LESS 1/2" FOR MILLING.
- FOUNDATIONS FOR TEMPORARY PIERS 27A-NB, 27B-NB, 27C-NB, 27A-SB, 27B-SB & 27C-SB SHALL BE REMOVED TO AT LEAST 3'-0" BELOW MUDLINE IN ACCORDANCE WITH U.S. COAST GUARD PERMIT.

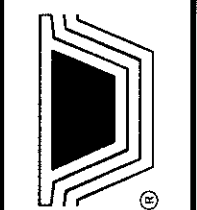
06/06/01  
 ...B-055.DGN

**DRILLED SHAFT SCHEDULE - SOUTHBOUND MAINSPAN**

ABUTMENT OR PIER NUMBER	DRILLED SHAFT DIAMETER	COMPRESS. LOAD (TONS)	UPLIFT LOAD (TONS)	TOP OF SHAFT ELEV.*	INSTALLATION CRITERIA						DESIGN CRITERIA			DRILLED SHAFT TYPE
					ESTIMATED TIP ELEVATION (ft)	MINIMUM TIP ELEVATION (ft)	ESTIMATED ROCK SOCKET LENGTH (ft)	MINIMUM ROCK SOCKET LENGTH (ft)	ESTIMATED DRILLED SHAFT LENGTH (ft)	MINIMUM DRILLED SHAFT LENGTH (ft)	FACTORED DESIGN LOAD (tons)	DOWNDRAW (tons)	MAXIMUM SCOUR DEPTH (ft)	
26SB	8'-0"	3591	0	569.25	493	493	N/A	N/A	76'-3"	76'-3"	6032	0	N/A	I
27SB	8'-0"	3037	0	563.25	502	502	N/A	N/A	61'-3"	61'-3"	6032	0	N/A	I
27A-SB	8'-0"	2597	0	577	483	483	15	15	94'-0"	94'-0"	6032	0	8.2	VI
27B-SB	8'-0"	2603	0	577	482	482	15	15	95'-0"	95'-0"	6032	0	8.9	VI
27C-SB	8'-0"	2607	0	577	483	483	15	15	94'-0"	94'-0"	6032	0	10.7	VI
28SB & NB	8'-0"	5737	152	521.352	482	482	15	15	39'-4 1/4"	39'-4 1/4"	6188	0	32.0	VI
29SB	8'-0"	3249	0	573.25	496.5	496.5	N/A	N/A	76'-9"	76'-9"	6032	0	N/A	I
30SB	8'-0"	3643	0	577.75	491	491	N/A	N/A	86'-9"	86'-9"	6032	0	N/A	I
<b>DRILLED SHAFT SCHEDULE - NORTHBOUND MAINSPAN</b>														
26NB	8'-0"	3589	0	568.75	493	493	N/A	N/A	75'-9"	75'-9"	6032	0	N/A	I
27NB	8'-0"	3183	0	565.25	502	502	N/A	N/A	63'-3"	63'-3"	6032	0	N/A	I
27A-NB	8'-0"	2597	0	577	483	483	15	15	94'-0"	94'-0"	6032	0	8.2	VI
27B-NB	8'-0"	2603	0	577	482	482	15	15	95'-0"	95'-0"	6032	0	8.9	VI
27C-NB	8'-0"	2607	0	577	483	483	15	15	94'-0"	94'-0"	6032	0	10.7	VI
SEE SOUTHBOUND FOR PIER 28														
29NB	8'-0"	3249	0	573.25	496.5	496.5	N/A	N/A	76'-9"	76'-9"	6032	0	N/A	I
30NB	8'-0"	3625	0	574.25	491	491	N/A	N/A	83'-3"	83'-3"	6032	0	N/A	I

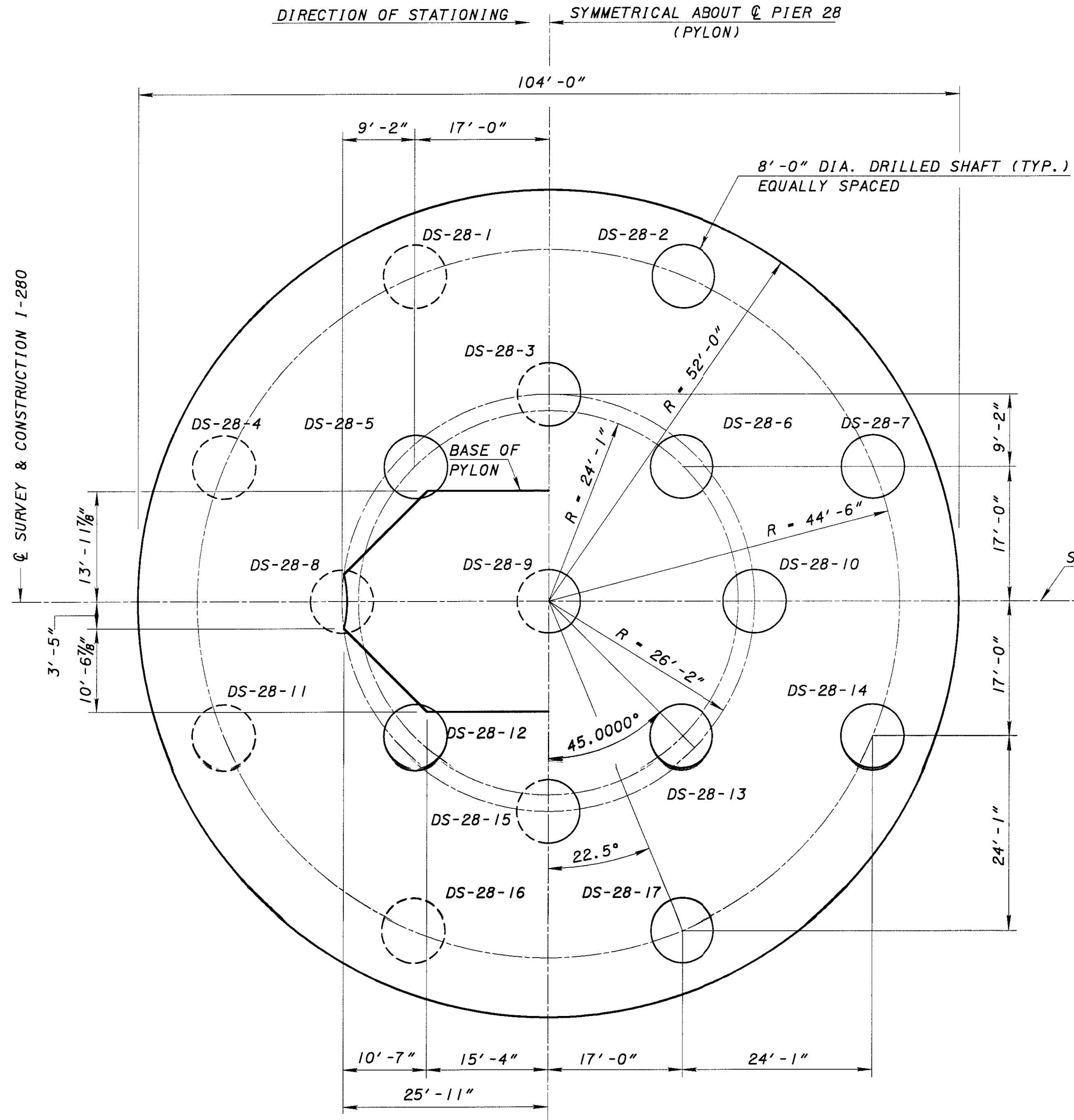
**NOTES:**

- SEE FOUNDATION LAYOUT SHEETS FOR LOCATION AND NUMBER OF DRILLED SHAFTS.
  - FOR DRILLED SHAFT DETAILS SEE SHEETS B-823 & B-824.
  - FOR DRILLED SHAFT COLLAR DETAILS SEE SHEETS B-825 & B-826.
  - FOR PYLON FOUNDATION DETAILS SEE SHEETS B-57 THRU B-60.
  - FOUNDATIONS FOR THE TEMPORARY PIERS 27A, 27B & 27C, NB AND SB, SHALL BE REMOVED TO AT LEAST 3'-0" BELOW MUDLINE.
  - FOR TEMP. PIERS TOP OF SHAFT ELEVATION: 577.0 (IGDL85).
  - BID QUANTITIES DO NOT INCLUDE DIRECT PAYMENT FOR DRILLED SHAFT AND DRILLED SHAFT COLLARS.
- \* - TOP OF SHAFT ELEVATION IS EQUAL TO BOTTOM OF FOOTING ELEVATION FOR ALL DRILLED SHAFTS.

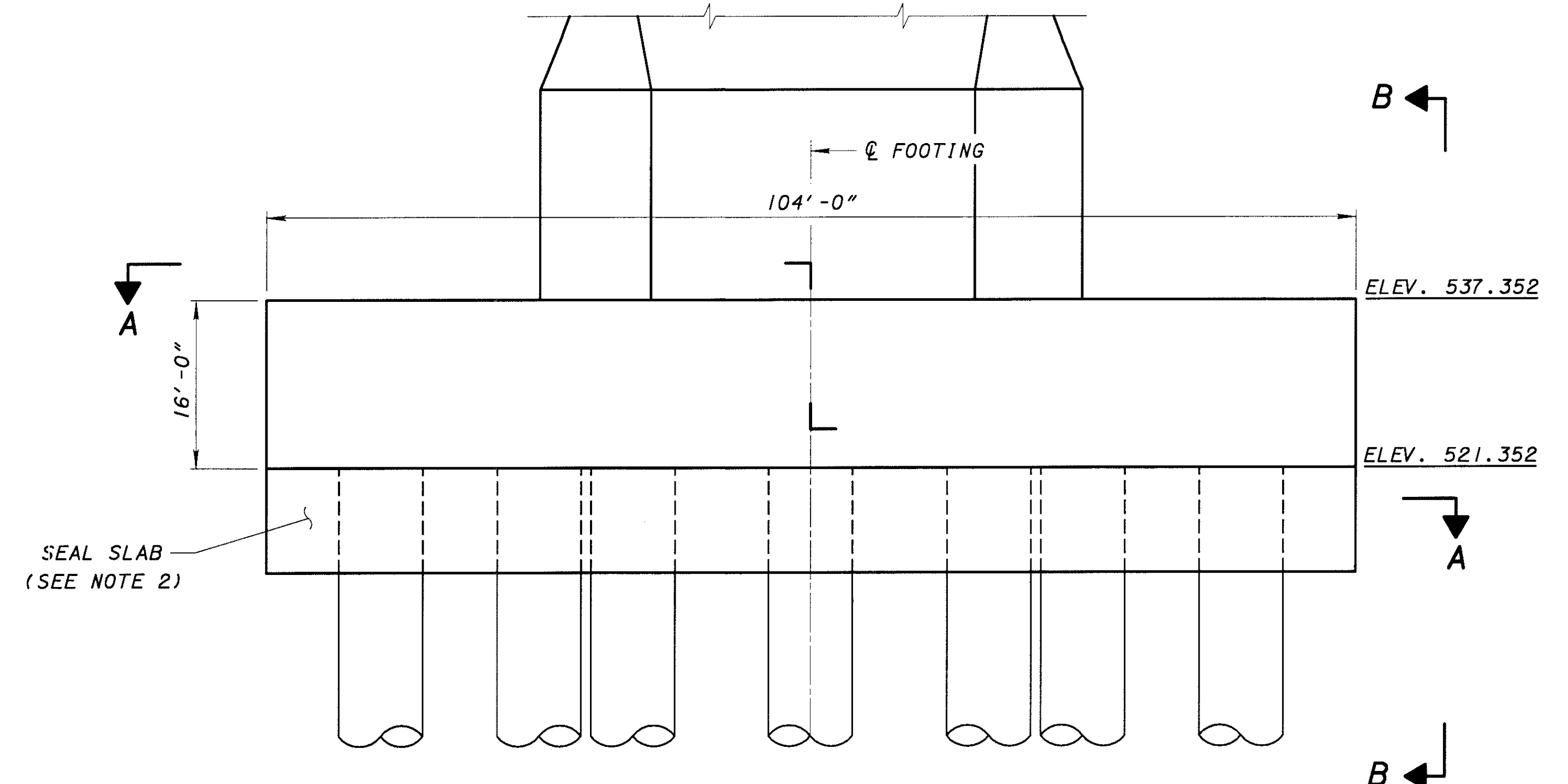


DATE	7-01
REVIEWED	WDP
STRUCTURE FILE NUMBER	L 4805836
REVISED	R 4805844
DRAWN	MLB
DESIGNED	CF
CHECKED	CF

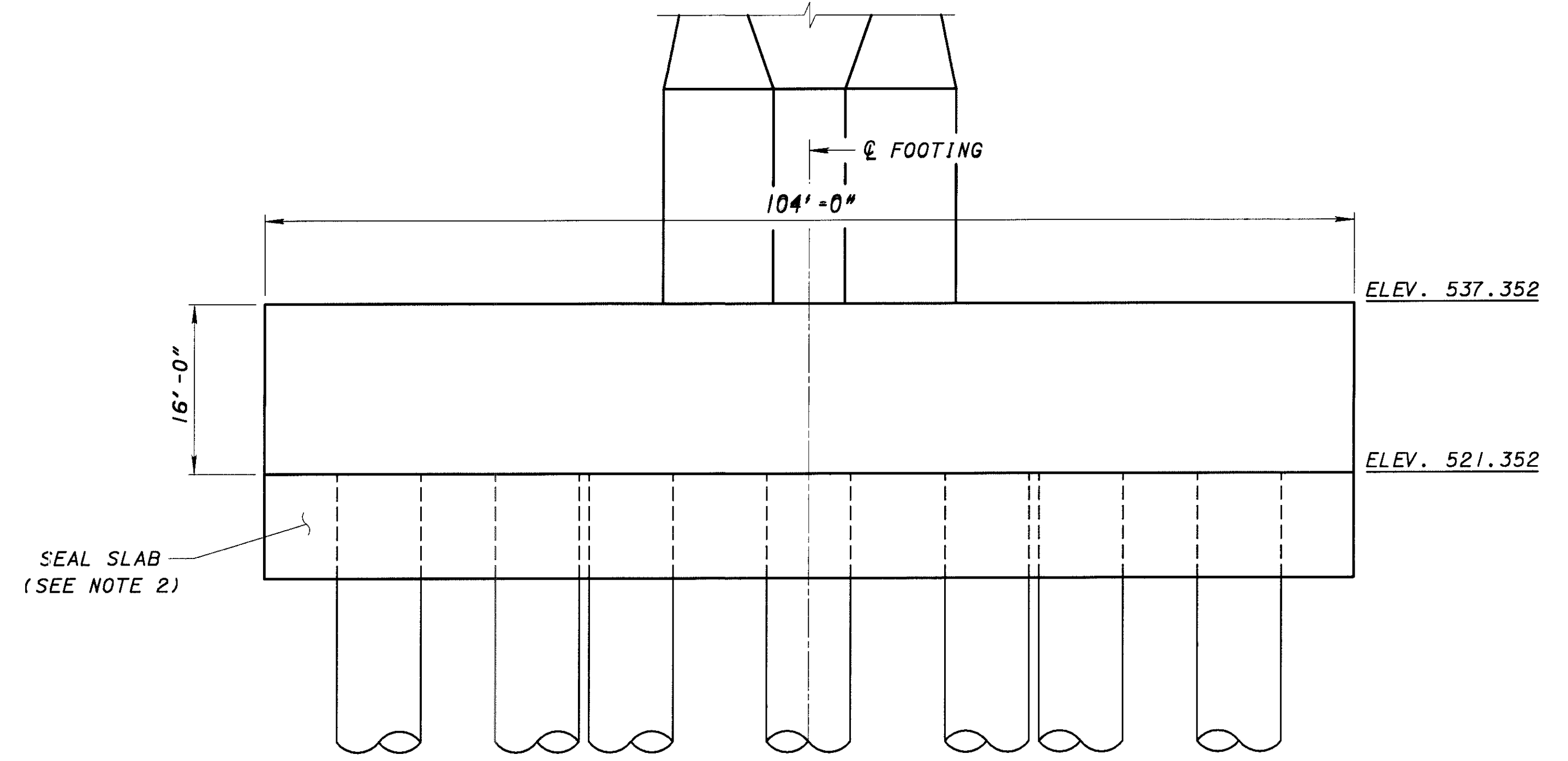
**MAIN SPAN UNIT - DRILLED SHAFT SCHEDULE**  
 BRIDGE NO. LUC-280-0283  
 I-280 OVER THE MAUMEE RIVER



**SECTION A-A**



**LONGITUDINAL ELEVATION**

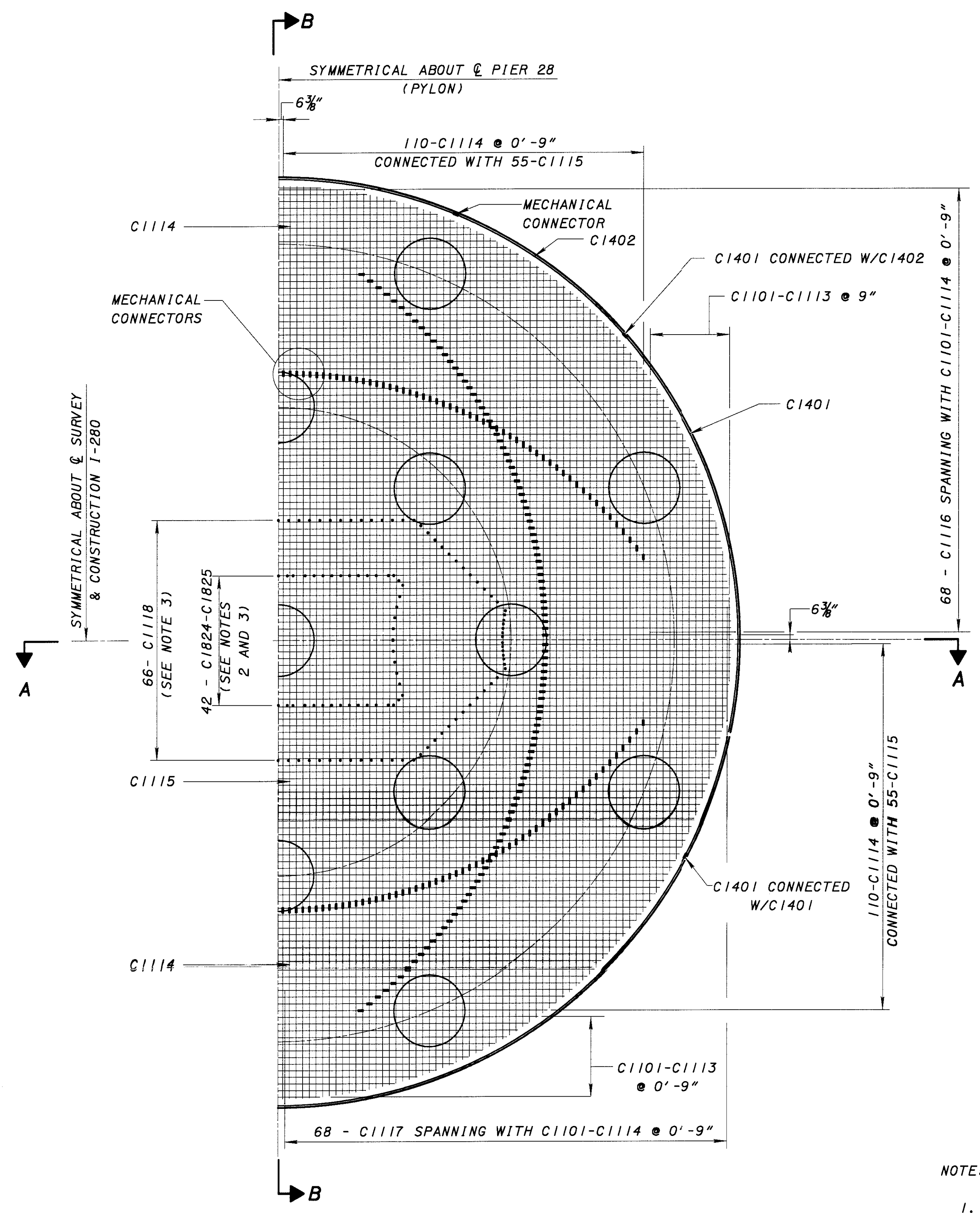


**VIEW B-B**

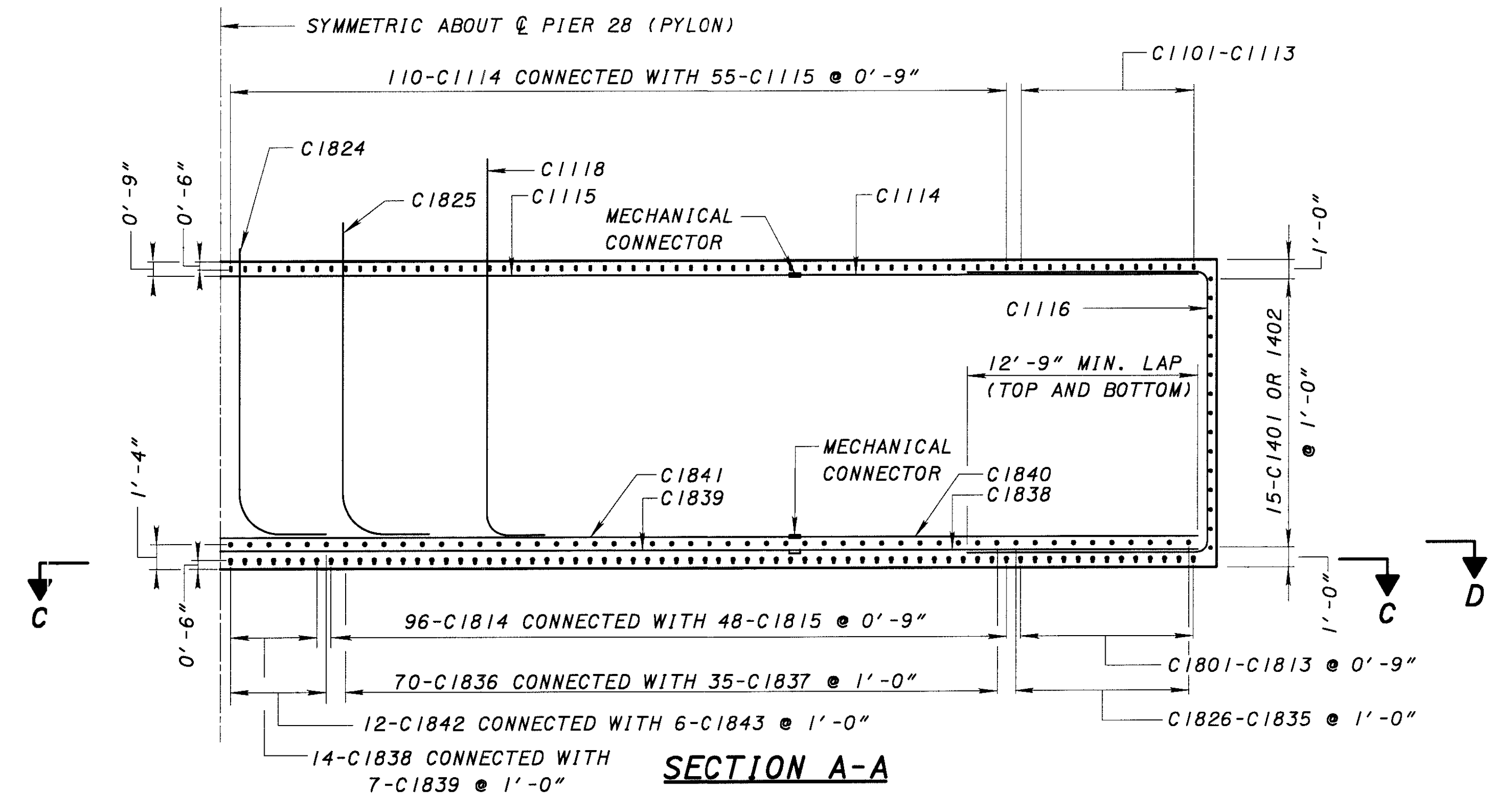
NOTE:

1. FOR MAIN SPAN - DRILLED SHAFT SCHEDULE, SEE SHEET B-56.
2. SEAL SLAB DESIGN BY CONTRACTOR, TO BE APPROVED BY ENGINEER.
3. FOR PYLON FOUNDATION REINFORCEMENT, SEE SHEETS B-58 THROUGH B-60.

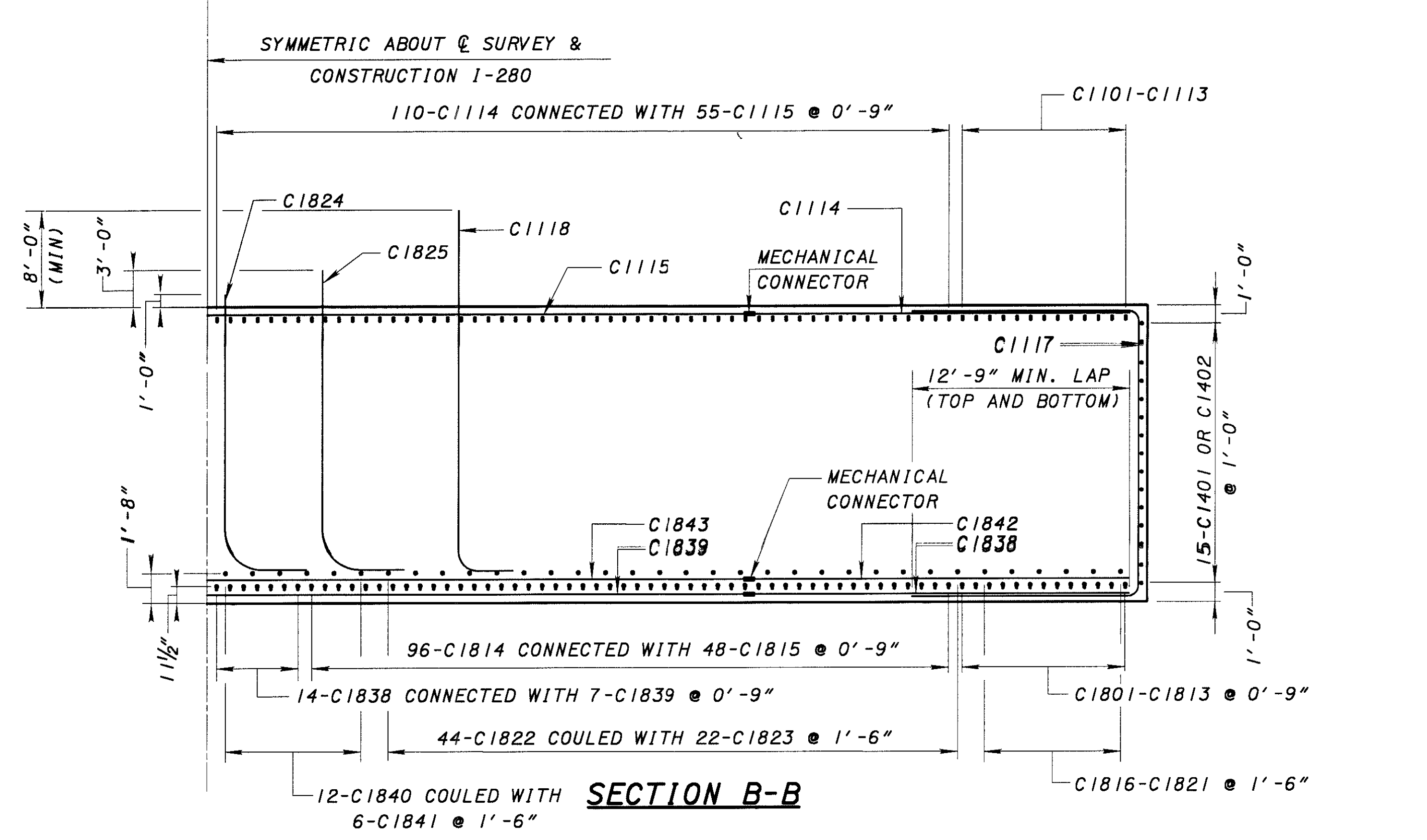
06/06/01  
... \B-057.DGN



**HALF PLAN (TOP)**



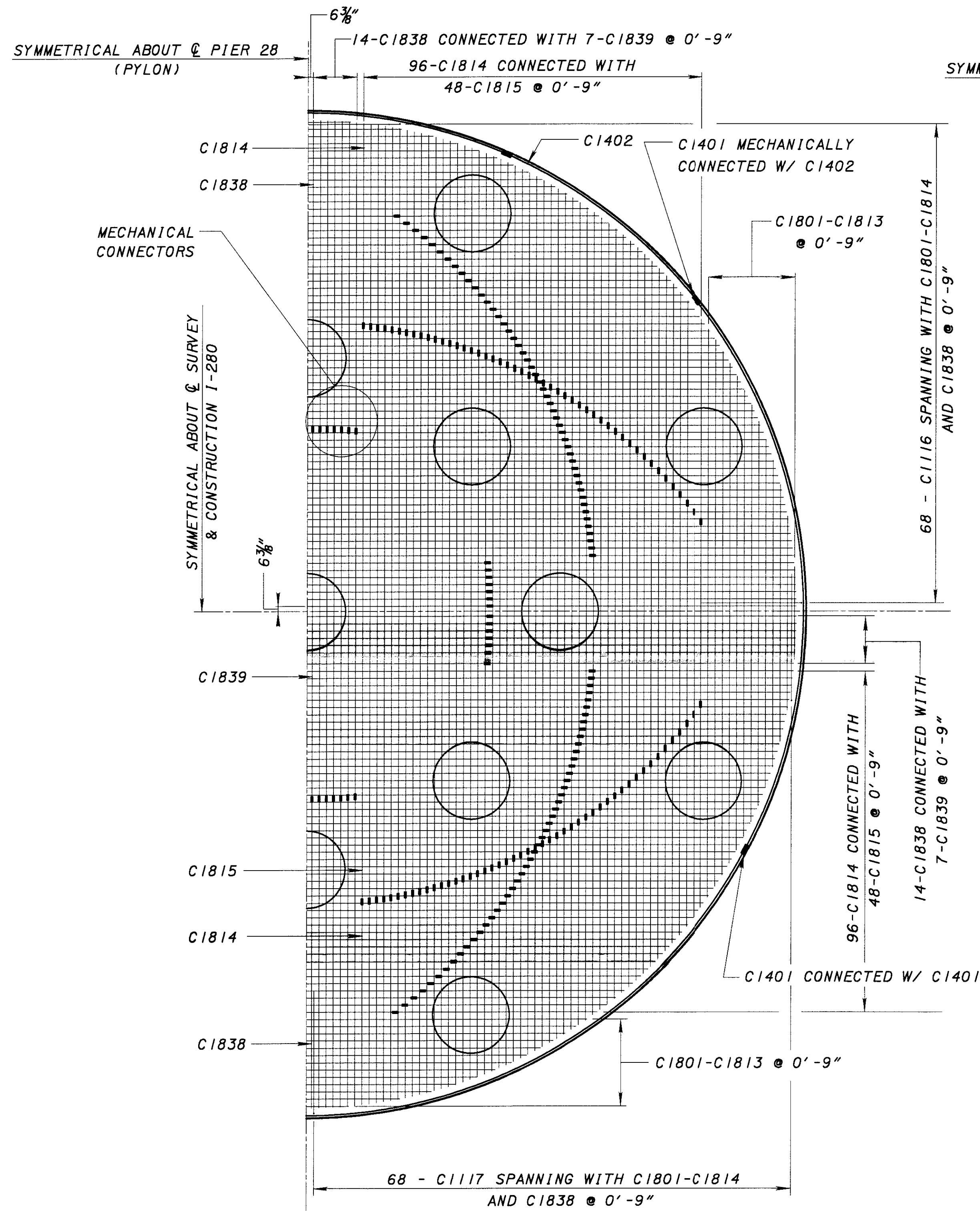
**SECTION A-A**



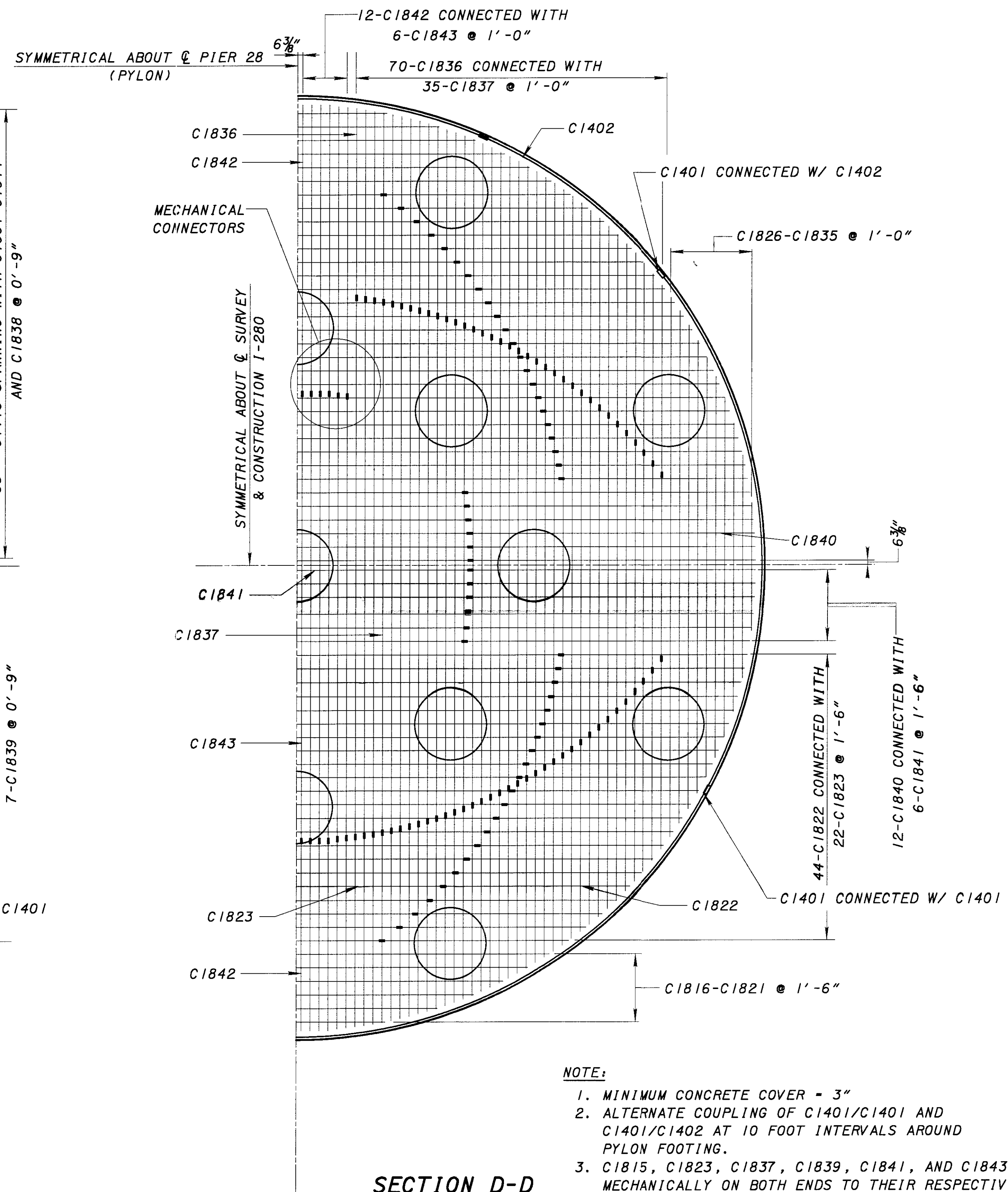
**SECTION B-B**

NOTE:

1. MINIMUM CONCRETE COVER - 3".
2. ALTERNATE PLACEMENT OF C1824 & C1825 DOWELS BARS AROUND BASE OF PYLON.
3. FOR PLACEMENT OF C1824, C1825, AND C1118 DOWELS BARS, SEE LOWER PYLON REINFORCEMENT DETAILS ON SHEETS B-63 THROUGH B-70.
4. ALL REINFORCEMENT STEEL SHALL BE EPOXY COATED.
5. ADJUST STEEL AS NECESSARY TO AVOID REINFORCEMENT FROM DRILLED SHAFTS AND PYLON.
6. ONLY FOUR C1116 AND C1117 BARS SHOWN FOR CLARITY IN PLAN VIEW.
7. ONLY THREE DOWEL BARS SHOWN IN SECTION A-A AND SECTION B-B FOR CLARITY.
8. CONTRACTOR TO ADJUST FOOTING STEEL AS NECESSARY TO AVOID CONFLICTS WITH LOWER PYLON DOWEL REINFORCEMENT.



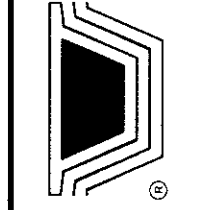
**SECTION C-C**



**SECTION D-D**

**NOTE:**

1. MINIMUM CONCRETE COVER = 3"
2. ALTERNATE COUPLING OF C1401/C1401 AND C1401/C1402 AT 10 FOOT INTERVALS AROUND PYLON FOOTING.
3. C1815, C1823, C1837, C1839, C1841, AND C1843 SHALL BE CONNECTED MECHANICALLY ON BOTH ENDS TO THEIR RESPECTIVE BARS AS SHOWN IN DETAIL.
4. CONTRACTOR TO ADJUST FOOTING STEEL SPACING AS NECESSARY TO AVOID CONFLICTS DRILLED SHAFT REINFORCEMENT.



DATE	6-01
REVIEWED	WDP
DESIGNED	CF
DRAWN	MWN
CHECKED	CF
STRUCTURE FILE NUMBER	L 4805836
REVISED	R 4805844

**PYLON FOUNDATION - REINFORCEMENT II**  
BRIDGE NO. LUC-280-0283  
I-280 OVER THE MAUMEE RIVER

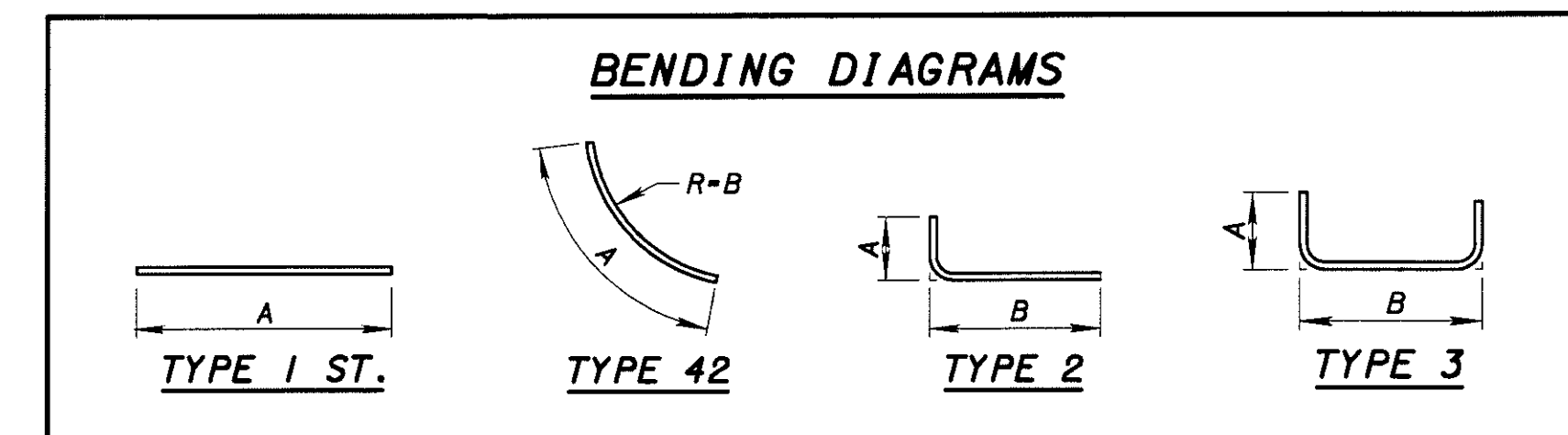
LUC-280-2.96

**REINFORCING STEEL LIST - PYLON DRILLED SHAFT COLLAR**

MARK	NO.	LENGTH	WEIGHT	TYPE	A	B	C	D	E	F	G
C1101	4	8' - 9 3/4"	187	1	8' - 9 5/8"						
C1102	4	19' - 6"	414	1	19' - 5 15/16"						
C1103	4	26' - 0 1/2"	553	1	26' - 0 3/8"						
C1104	4	31' - 2"	662	1	31' - 1 15/16"						
C1105	4	35' - 6"	754	1	35' - 5 5/16"						
C1106	4	39' - 3 3/4"	835	1	39' - 3 5/8"						
C1107	4	42' - 8 3/4"	908	1	42' - 8 7/16"						
C1108	4	45' - 10"	974	1	45' - 9 5/16"						
C1109	4	48' - 8 1/2"	1,035	1	48' - 8 7/16"						
C1110	4	51' - 4 1/2"	1,091	1	51' - 4 1/4"						
C1111	4	53' - 10 1/4"	1,144	1	53' - 10 1/8"						
C1112	4	56' - 2 1/4"	1,194	1	56' - 2 1/4"						
C1113	4	58' - 4 3/4"	1,241	1	58' - 4 3/4"						
C1114	440	21' - 0"	49,092	1	21' - 0"						
C1115	220	47' - 3"	55,216	1	47' - 2 7/8"						
C1116	272	39' - 5 3/4"	57,036	3	12' - 9"	14' - 8 1/8"					
C1117	272	40' - 2 1/4"	58,052	3	12' - 9"	15' - 4 9/16"					
C1118	130	25' - 1 1/4"	17,338	2	3' - 0"	22' - 5 1/2"					
C1401	75	60' - 0"	34,425	42	60' - 0"	51' - 8 5/16"					
C1402	15	24' - 9 1/2"	2,844	42	24' - 9 7/16"						
C1801	4	8' - 9 3/4"	479	1	8' - 9 5/8"						
C1802	4	19' - 6"	1,060	1	19' - 5 5/16"						
C1803	4	26' - 0 1/2"	1,416	1	26' - 0 3/8"						
C1804	4	31' - 2"	1,695	1	31' - 1 15/16"						
C1805	4	35' - 6"	1,931	1	35' - 5 5/16"						
C1806	4	39' - 3 3/4"	2,138	1	39' - 3 5/8"						
C1807	4	42' - 8 3/4"	2,324	1	42' - 8 7/16"						
C1808	4	45' - 10"	2,493	1	45' - 9 5/16"						
C1809	4	48' - 8 1/2"	2,649	1	48' - 8 7/16"						
C1810	4	51' - 4 1/2"	2,794	1	51' - 4 1/4"						
C1811	4	53' - 10 1/4"	2,929	1	53' - 10 1/8"						
C1812	4	56' - 2 1/4"	3,057	1	56' - 2 1/4"						
C1813	4	58' - 4 3/4"	3,177	1	58' - 4 3/4"						
C1814	384	21' - 0"	109,670	1	21' - 0"						
C1815	192	45' - 5"	118,566	1	45' - 4 7/8"						
C1816	2	19' - 9 1/2"	538	1	19' - 9 1/4"						
C1817	2	31' - 4 1/4"	853	1	31' - 4 1/8"						
C1818	2	39' - 5 1/2"	1,073	1	39' - 5 5/16"						
C1819	2	45' - 11 1/2"	1,250	1	45' - 11 3/8"						
C1820	2	51' - 5 3/4"	1,400	1	51' - 5 5/16"						
C1821	2	56' - 3 1/2"	1,531	1	56' - 3 7/16"						
C1822	88	21' - 0"	25,133	1	21' - 0"						
C1823	44	43' - 8 1/2"	26,150	1	43' - 8 3/8"						
C1824	41	19' - 3 1/4"	10,742	2	4' - 6"	15' - 5 1/16"					
C1825	41	21' - 3 1/4"	11,857	2	4' - 6"	17' - 5 1/16"					
C1826	2	13' - 10"	376	1	13' - 9 15/16"						
C1827	2	24' - 3 1/4"	660	1	24' - 3 1/8"						
C1828	2	31' - 4 3/4"	853	1	31' - 4 1/2"						
C1829	2	36' - 11 3/4"	1,005	1	36' - 11 9/16"						
C1830	2	41' - 9"	1,135	1	41' - 8 7/8"						
C1831	2	45' - 11 1/4"	1,249	1	45' - 11 3/16"						
C1832	2	49' - 8 1/2"	1,352	1	49' - 8 1/2"						
C1833	2	53' - 1 3/4"	1,445	1	53' - 1 9/16"						
C1834	2	56' - 3 1/2"	1,531	1	56' - 3 7/16"						
C1835	2	59' - 2 1/2"	1,610	1	59' - 2 7/16"						
C1836	140	21' - 0"	39,984	1	21' - 0"						
C1837	70	45' - 5 1/2"	43,270	1	45' - 5 7/16"						
C1838	56	32' - 0"	24,371	1	32' - 0"						
C1839	28	37' - 9 3/4"	14,396	1	37' - 9 5/8"						
C1840	24	32' - 0"	10,445	1	32' - 0"						
C1841	12	37' - 6 1/4"	6,122	1	37' - 6 1/8"						
C1842	24	32' - 0"	10,445	1	32' - 0"						
C1843	12	37' - 9 1/4"	6,163	1	37' - 9 1/8"						

TOTAL 788,312 LBS.

◆ BAR DIMENSIONS AND QUANTITY ARE AVERAGE FOR GROUP OF BARS IDENTIFIED BY THE BAR MARK.

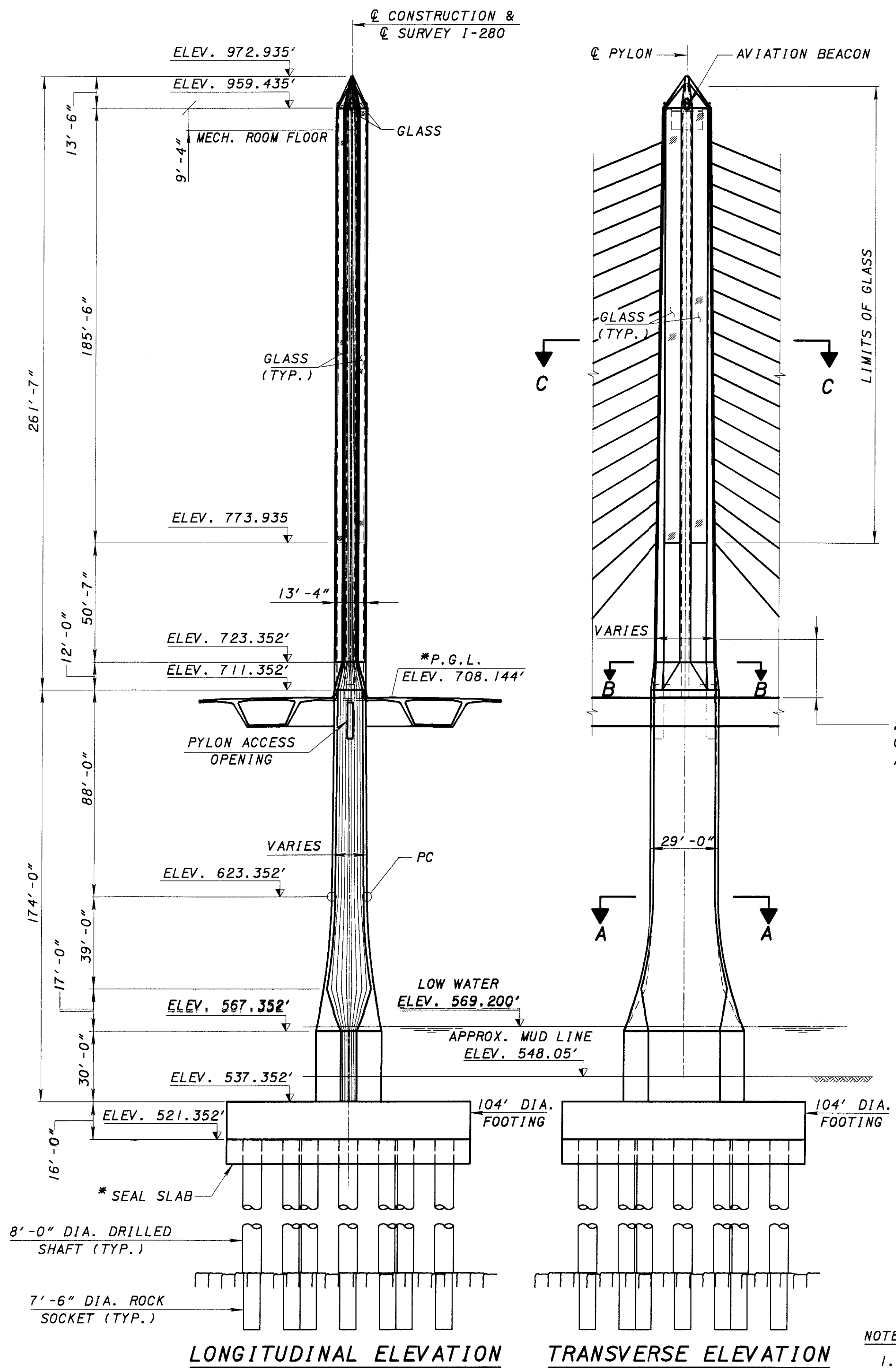


**ESTIMATED QUANTITIES / PYLON FOUNDATION**

ITEM	UNIT	QUANTITY
CLASS 4000M CONCRETE	CU. YARDS	5,034
REINFORCING STEEL	LBS.	788,312

**NOTE:**

1. WEIGHT GIVEN IN LBS.
2. COLUMNS H,K,O, & R NOT NEEDED.
3. ALL DIMENSIONS OUT TO TOP OF BAR.
4. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
5. REINFORCEMENT WEIGHTS AND LENGTHS FOR INFORMATION ONLY.
6. MECHANICAL CONNECTIONS SHALL BE CADWELD 125% OF YIELD STRENGTH SPLICES OR EQUIVALENT TO BE APPROVED BY THE ENGINEER.
7. THE CONCRETE USED IN THE PYLON FOOTING SHALL BE CONSIDERED TO BE MASS CONCRETE, AND SHALL BE PAID UNDER PAY ITEM SPECIAL, EXT. 84271100, CONCRETE, MISC.: CLASS 4000M CONCRETE, PYLON FOUNDATION (MASS CONC.).



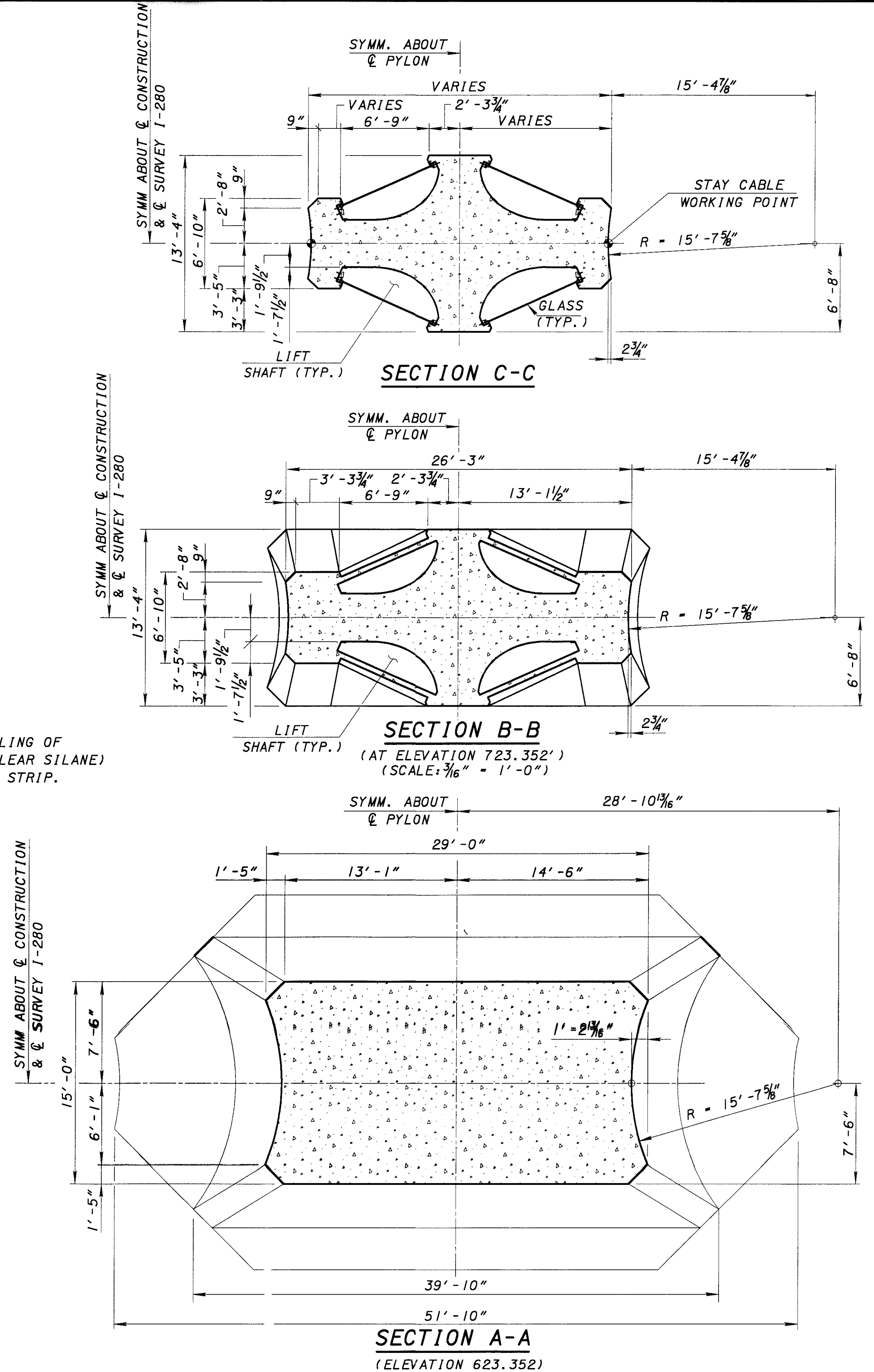
**LONGITUDINAL ELEVATION**

(SCALE: 1" = 30'-0")

**TRANSVERSE ELEVATION**

(SCALE: 1" = 30'-0")

25'-0" LIMITS OF SEALING OF CONCRETE SURFACES (CLEAR SILANE) ABOVE C.I.P. CLOSURE STRIP.



**SECTION C-C**

**SECTION B-B**

**SECTION A-A**

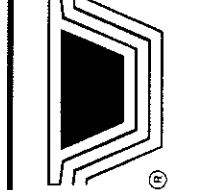
(ELEVATION 623.352)

**NOTES:**

1. FOR LOWER PYLON DIMENSIONS & REINFORCEMENT, SEE SHEETS B-62 THROUGH B-70.
2. FOR UPPER PYLON DIMENSIONS & REINFORCEMENT, SEE SHEETS B-79 THROUGH B-85.
3. FOR PYLON DIAPHRAGM DIMENSIONS, REINFORCEMENT, & POST-TENSIONING, SEE SHEETS B-71 THROUGH B-78.
4. FOR PYLON TOP DIMENSIONS & REINFORCEMENT, SEE SHEETS B-90 THROUGH B-94.
5. FOR PYLON ACCESS DETAILS, SEE SHEETS B-95 THROUGH B-100.
- \*6. P.G.L. ELEVATION LESS 1/2" MILLING SURFACE.

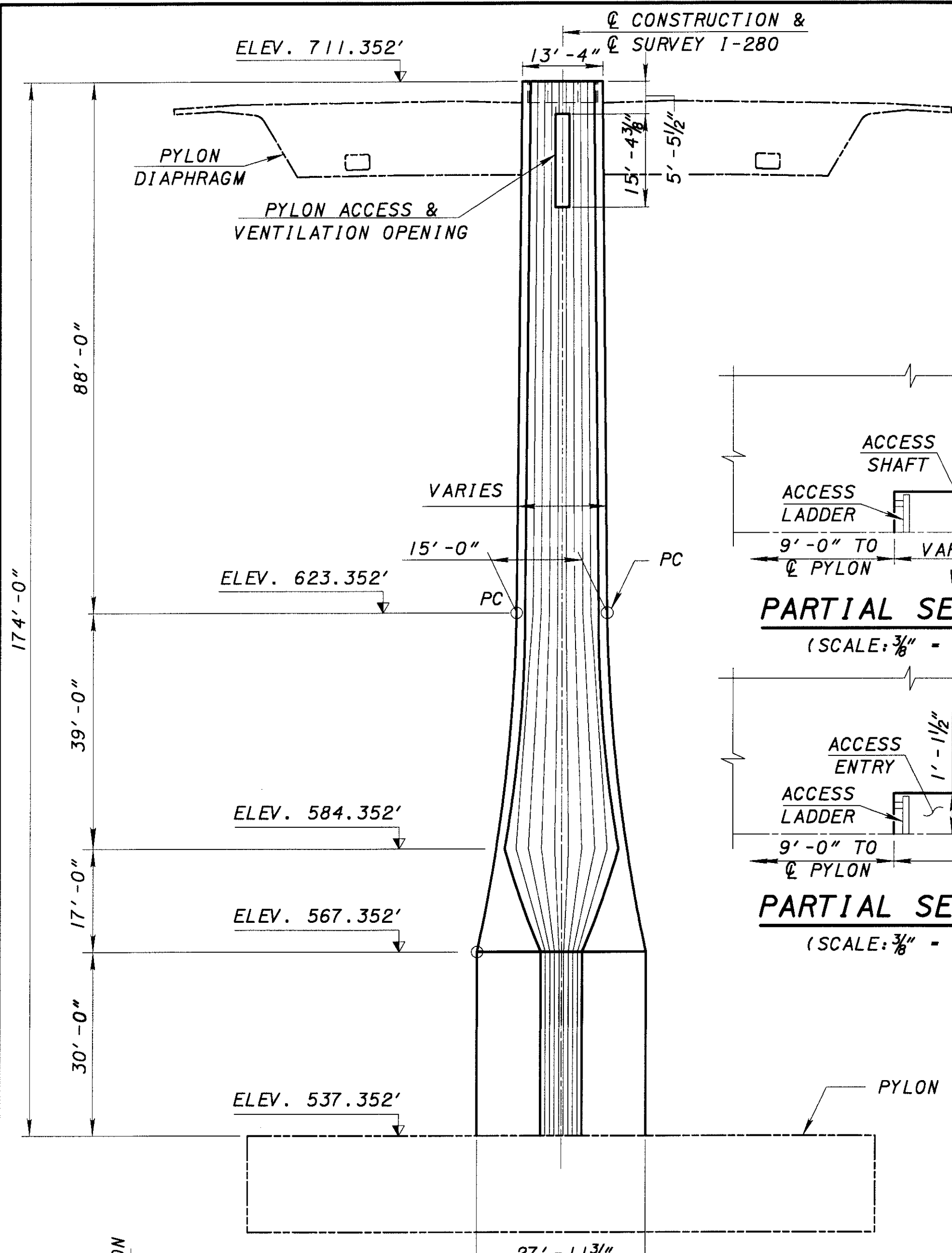
06/06/01  
... \B-061.DGN

\*SEAL SLAB NOT TO SCALE - DESIGN BY CONTRACTOR.

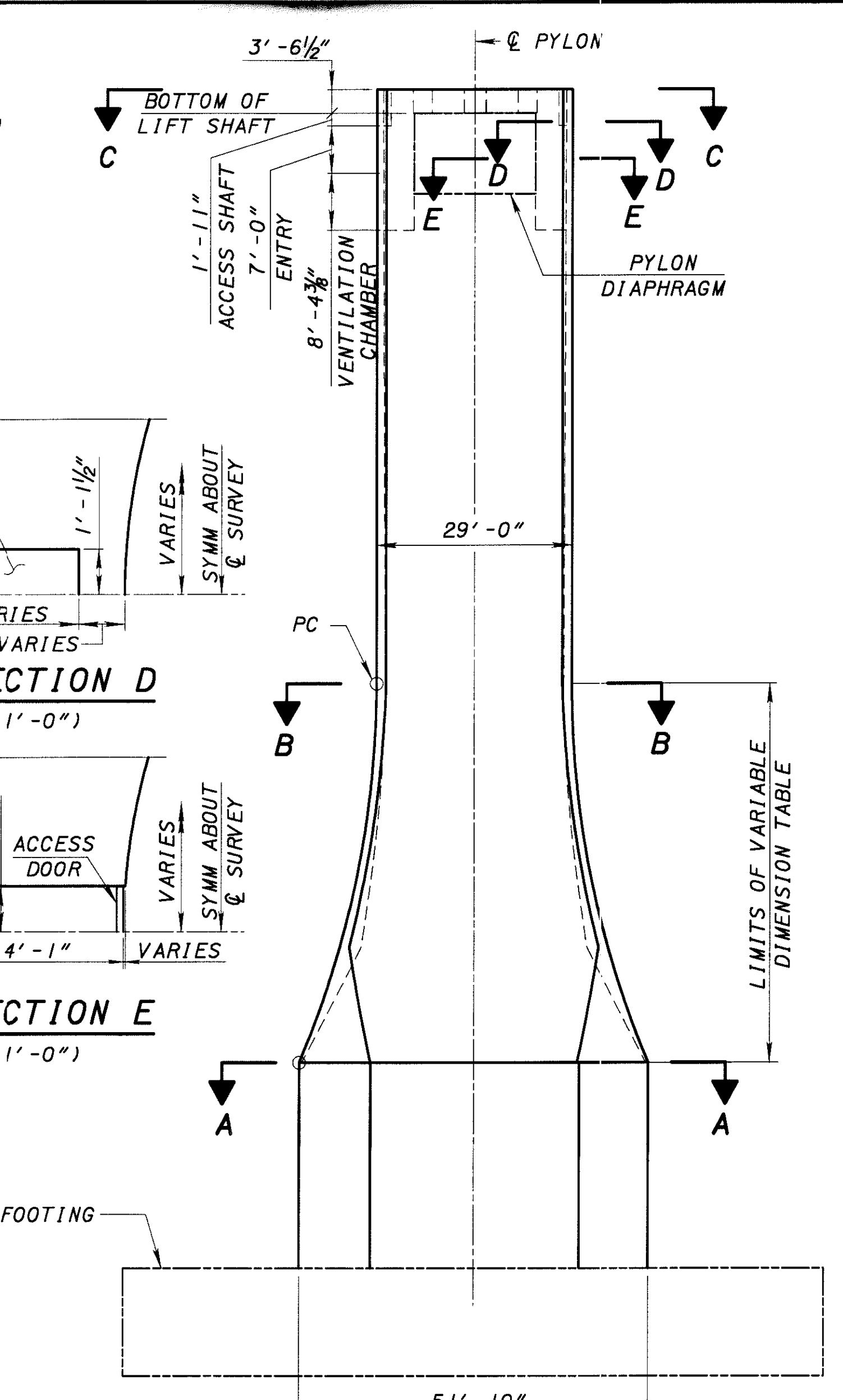


DESIGNED BY	AKK	CHECKED	WDP
DRAWN BY	JSF	REVIEWED	WDP
DATE	6-01	STRUCTURE FILE NUMBER	L 4805836
REVIEWED	WDP	DATE	6-01
		PROJECT NUMBER	R 4805844

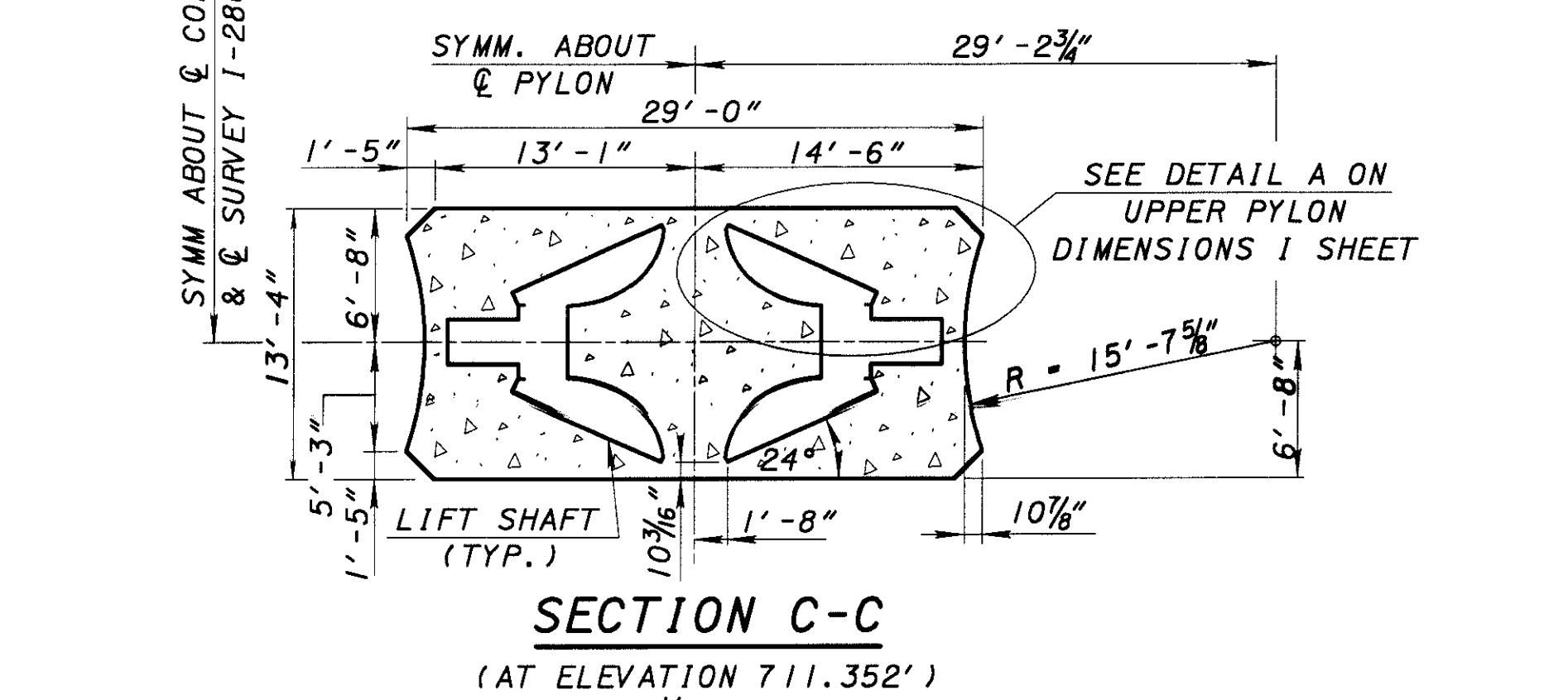




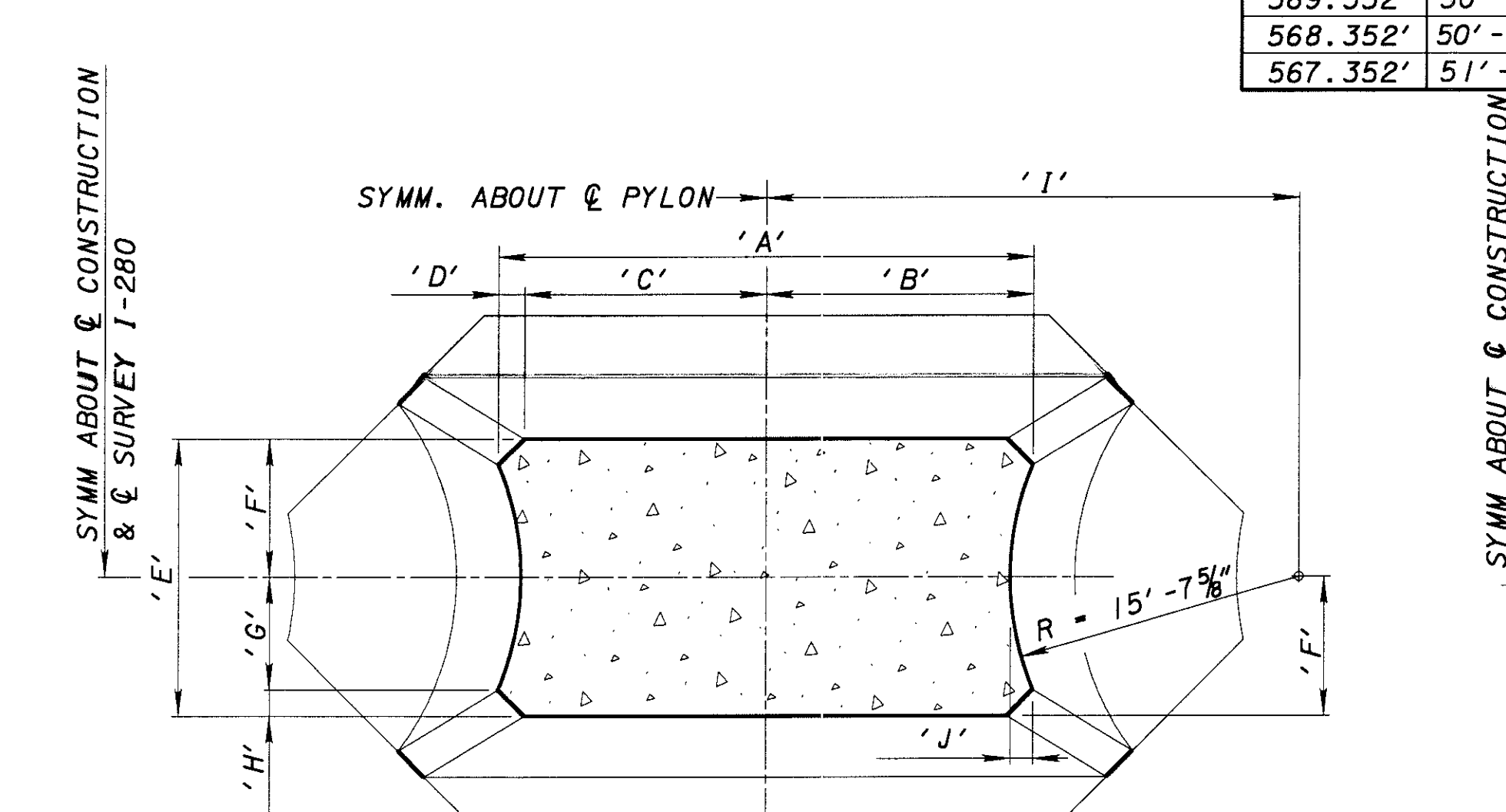
**LONGITUDINAL ELEVATION**  
(SCALE: 1/16" = 1'-0")



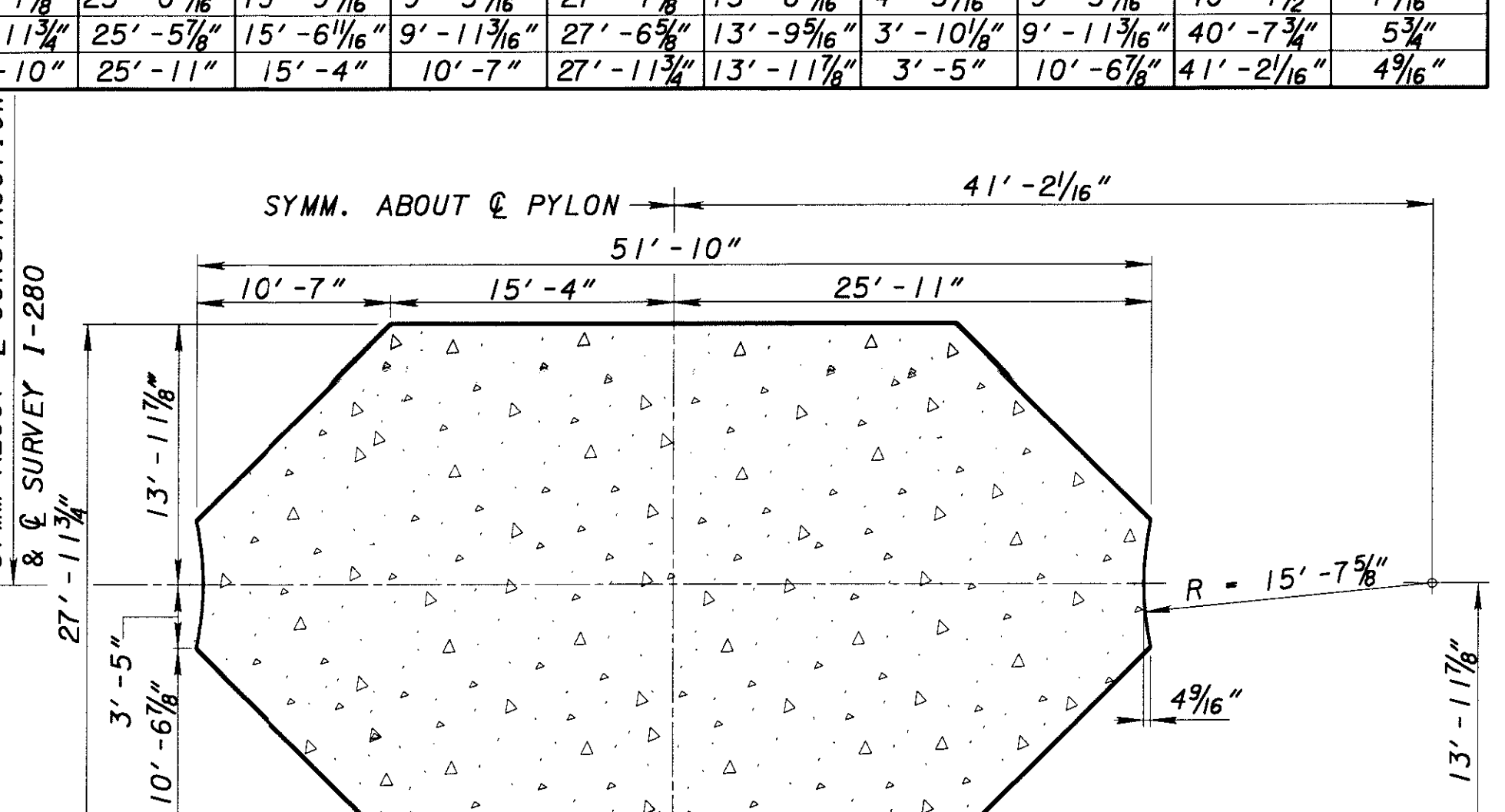
**TRANSVERSE ELEVATION**  
(SCALE: 1/16" = 1'-0")



**SECTION C-C**  
(AT ELEVATION 711.352')  
(SCALE: 1/8" = 1'-0")



**SECTION B-B**  
(AT ELEVATION 623.352')  
(SCALE: 1/8" = 1'-0")

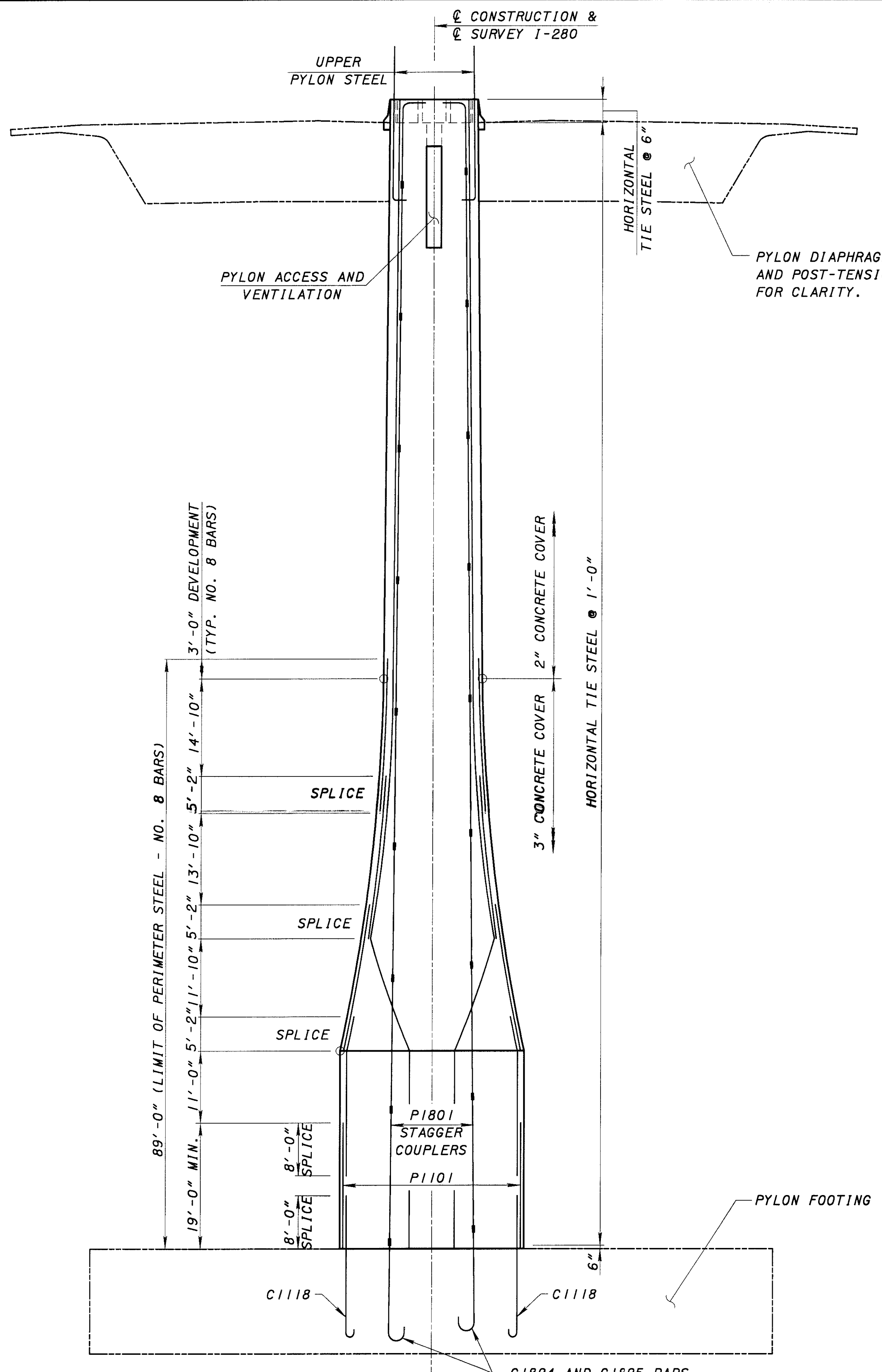


**SECTION A-A**  
(AT ELEVATION 567.352')  
(SCALE: 1/8" = 1'-0")

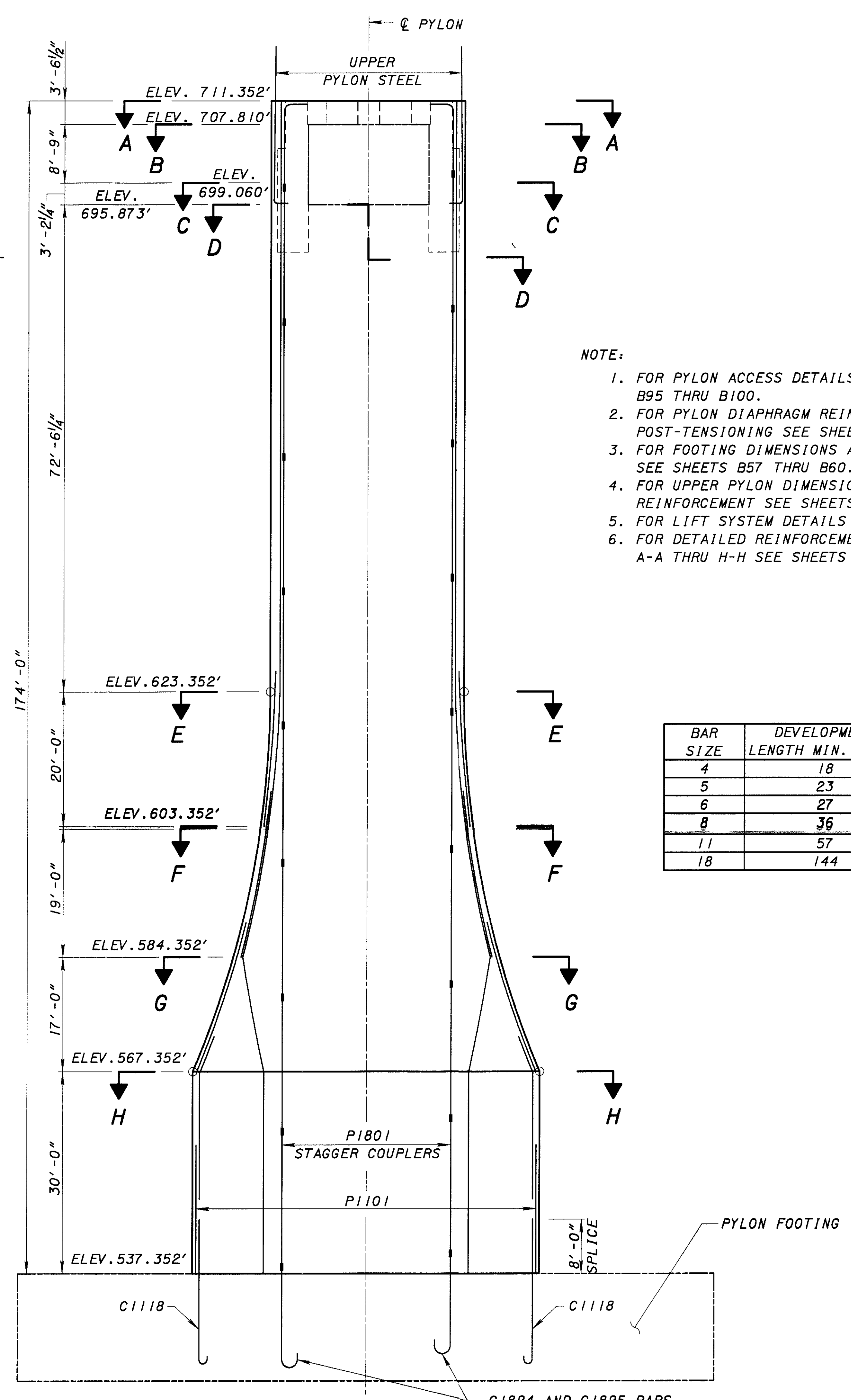
ELEVATION	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'I'	'J'
623.352'	29'-0"	14'-6"	13'-1"	1'-5"	15'-0"	7'-6"	6'-1"	1'-5"	28'-10 1/16"	1'-2 1/16"
622.352'	29'-0 1/16"	14'-6 1/16"	13'-1 1/16"	1'-4 1/16"	15'-0 1/2"	7'-6 1/16"	6'-1"	1'-5 3/16"	28'-10 1/16"	1'-2 1/16"
621.352'	29'-0 1/8"	14'-6 1/8"	13'-1 1/8"	1'-4 1/8"	15'-1"	7'-6 1/8"	6'-1 1/8"	1'-5 1/2"	28'-10 1/16"	1'-2 1/16"
620.352'	29'-0 1/4"	14'-6 1/4"	13'-2 1/4"	1'-4 1/4"	15'-1 1/4"	7'-6 1/4"	6'-1 1/4"	1'-5 1/4"	28'-11 1/16"	1'-2 1/16"
619.352'	29'-1 3/8"	14'-6 1/8"	13'-2 1/8"	1'-3 3/8"	15'-2 1/4"	7'-7 1/8"	6'-1 1/8"	1'-5 3/4"	28'-11 1/16"	1'-2 1/16"
618.352'	29'-2 1/2"	14'-7 1/16"	13'-3 1/2"	1'-3 1/2"	15'-3 1/2"	7'-7 3/8"	6'-1 1/2"	1'-5 1/2"	28'-11 1/16"	1'-3 1/16"
617.352'	29'-3"	14'-7 1/2"	13'-4 1/16"	1'-3 1/2"	15'-4"	7'-8"	6'-1 5/16"	1'-5 1/2"	28'-11 1/16"	1'-3 1/16"
616.352'	29'-4 1/16"	14'-8 1/16"	13'-5"	1'-3 1/16"	15'-4 1/8"	7'-8 1/16"	6'-2 1/16"	1'-6 1/16"	29'-0 3/16"	1'-3 1/16"
615.352'	29'-5 3/16"	14'-8 1/16"	13'-5 1/16"	1'-2 3/16"	15'-6"	7'-9"	6'-2 3/16"	1'-6 1/16"	29'-0 3/16"	1'-3 1/16"
614.352'	29'-6 3/8"	14'-9 3/8"	13'-6 3/8"	1'-2 3/8"	15'-7 1/8"	7'-9 1/8"	6'-3 1/8"	1'-6 1/16"	29'-1 1/16"	1'-3 1/16"
613.352'	29'-8 3/8"	14'-10 3/16"	13'-7 3/8"	1'-2 1/2"	15'-8 1/8"	7'-9 1/2"	6'-3 1/8"	1'-6 1/16"	29'-1 1/16"	1'-3 1/16"
612.352'	29'-10 1/8"	14'-11 1/16"	13'-8 3/4"	1'-2 1/2"	15'-9 5/8"	7'-10 1/8"	6'-4 1/8"	1'-6 1/16"	29'-2 1/16"	1'-4 1/8"
611.352'	30'-0 1/8"	15'-0 1/16"	13'-9 7/8"	1'-2 1/2"	15'-11"	7'-11 1/8"	6'-4 3/8"	1'-6 3/8"	29'-3 1/4"	1'-4 1/8"
610.352'	30'-2 1/4"	15'-1 1/8"	13'-11 1/16"	1'-2"	16'-0 3/8"	8'-0 1/8"	6'-5 3/8"	1'-6 3/8"	29'-4"	1'-4 1/8"
609.352'	30'-4 1/2"	15'-2 1/4"	14'-0 1/16"	1'-1 5/8"	16'-2"	8'-1"	6'-6 1/16"	1'-6 3/8"	29'-4 1/8"	1'-5"
608.352'	30'-6 3/8"	15'-3 1/16"	14'-1 1/8"	1'-1 5/8"	16'-3 3/8"	8'-1 1/8"	6'-6 1/16"	1'-6 3/8"	29'-5 3/8"	1'-5 3/8"
607.352'	30'-9 1/8"	15'-4 3/8"	14'-3 1/16"	1'-1 3/4"	16'-5 1/4"	8'-2 1/8"	6'-7 1/8"	1'-7"	29'-6 5/8"	1'-5 3/8"
606.352'	31'-0 3/8"	15'-6 3/16"	14'-4 1/2"	1'-1 3/4"	16'-7 1/8"	8'-3 1/8"	6'-8 1/8"	1'-7 1/8"	29'-7 3/8"	1'-6 1/8"
605.352'	31'-3 1/4"	15'-7 5/8"	14'-6"	1'-1 5/8"	16'-9"	8'-4 1/2"	6'-9 3/8"	1'-7 1/8"	29'-8 1/8"	1'-6 1/8"
604.352'	31'-6 3/8"	15'-9 3/16"	14'-7 5/8"	1'-1 9/16"	16'-10 1/8"	8'-5 1/8"	6'-10 3/8"	1'-7 1/8"	29'-9 1/8"	1'-7 1/8"
603.352'	31'-9 3/4"	15'-10 3/16"	14'-9 1/4"	1'-1 9/16"	17'-1"	8'-6 1/2"	6'-11 3/8"	1'-7 1/8"	29'-10 1/8"	1'-7 1/8"
602.352'	32'-1 1/8"	16'-0 3/16"	14'-11"	1'-1 9/16"	17'-3 1/8"	8'-7 1/8"	7'-0 1/8"	1'-7 1/8"	30'-0 1/8"	1'-8 1/8"
601.352'	32'-4 1/8"	16'-2 1/16"	15'-0 1/16"	1'-1 5/8"	17'-5 1/4"	8'-8 5/8"	7'-1 1/16"	1'-7 1/8"	30'-1 3/8"	1'-8 5/8"
600.352'	32'-8 3/8"	16'-4 1/8"	15'-2 1/16"	1'-1 1/2"	17'-7 3/8"	8'-9 3/8"	7'-2 3/8"	1'-7 1/8"	30'-2 1/8"	1'-9 1/8"
599.352'	33'-0 3/8"	16'-6 3/16"	15'-4 1/2"	1'-1 1/2"	17'-10"	8'-11"	7'-3 1/8"	1'-7"	30'-3 1/8"	1'-9 3/8"
598.352'	33'-4 3/8"	16'-8 3/8"	15'-6 3/8"	1'-1 3/4"	18'-0 1/2"	9'-0 1/4"	7'-5 1/4"	1'-7"	30'-5 1/8"	1'-10 1/8"
597.352'	33'-9 1/8"	16'-10 3/16"	15'-8 1/16"	1'-1 1/2"	18'-3"	9'-1 1/2"	7'-6 3/8"	1'-6 3/8"	30'-6 1/8"	1'-11 1/8"
596.352'	34'-1 5/8"	17'-0 3/16"	15'-10 1/8"	1'-2"	18'-5 5/8"	9'-2 1/8"	7'-8"	1'-6 3/8"	30'-8 3/8"	2'-0 1/8"
595.352'	34'-6 3/8"	17'-3 1/16"	16'-1 1/16"	1'-2"	18'-8 1/8"	9'-4 1/8"	7'-9 1/8"	1'-6 3/8"	30'-9 1/8"	2'-0 1/8"
594.352'	34'-11 1/4"	17'-5 5/8"	16'-3 3/8"	1'-2 1/4"	18'-11 1/4"	9'-5 5/8"	7'-10 5/8"	1'-6 1/16"	30'-11 1/16"	2'-1 1/16"
593.352'	35'-4 1/4"	17'-8 1/8"	16'-5 1/16"	1'-2 1/4"	19'-2 1/4"	9'-7 1/8"	8'-0 1/8"	1'-6 1/16"	31'-1 1/16"	2'-2 1/16"
592.352'	35'-9 1/2"	17'-10 3/4"	16'-8 1/2"	1'-2 1/4"	19'-5 1/8"	9'-8 1/8"	8'-2 1/8"	1'-6 1/16"	31'-2 1/8"	2'-3 1/8"
591.352'	36'-3"	18'-1 1/2"	16'-10 3/8"	1'-2 1/4"	19'-9 1/8"	9'-10 1/8"	8'-3 3/4"	1'-6 1/16"	31'-4 3/8"	2'-4 1/8"
590.352'	36'-8 1/8"	18'-4 1/4"	17'-1 3/8"	1'-3 1/8"	19'-11 1/4"	9'-11 5/8"	8'-5 1/2"	1'-6 1/16"	31'-6 1/8"	2'-5 1/8"
589.352'	37'-2 3/8"	18'-7 3/16"	17'-3 3/8"	1'-3 3/8"	20'-2 1/2"	10'-1 1/4"	8'-7 1/4"	1'-6"	31'-7 3/8"	2'-6 1/8"
588.352'	37'-8 1/4"	18'-10 1/8"	17'-6 1/2"	1'-3 5/8"	20'-5 1/2"	10'-2 1/8"	8'-9 1/8"	1'-5 5/8"	31'-8 1/8"	2'-8 1/8"
587.352'	38'-2 3/8"	19'-1 3/16"	17'-9 5/16"	1'-3 5/8"	20'-9 1/4"	10'-4 5/8"	8'-11"	1'-5 5/8"	31'-11 3/8"	2'-9 1/8"
586.352'	38'-8 3/8"	19'-4 3/8"	18'-0 1/8"	1'-4 1/8"	21'-0 3/8"	10'-6 3/8"	9'-0 3/8"	1'-5 1/16"	32'-1 1/8"	2'-10 1/8"
585.352'	39'-3 1/4"	19'-7 5/8"	18'-3 1/16"	1'-4 5/8"	21'-4 3/8"	10'-8 3/8"	9'-2 1/8"	1'-5 1/16"	32'-2 5/8"	3'-0 1/8"
584.352'	39'-10"	19'-11"	18'-6"	1'-5"	21'-8"	10'-10"	9'-5"	1'-5"	32'-4 3/4"	3'-1 1/8"
583.352'	40'-4 7/8"	20'-2 1/16"	18'-4 1/8"	1'-10 1/16"	21'-11 3/4"	10'-11 3/8"	9'-1 1/8"	1'-10 1/16"	32'-10 3/4"	2'-11 1/16"
582.352'	41'-0"	20'-6"	18'-2 1/8"	2'-3 1/8"	22'-3 5/8"	11'-1 3/8"	8'-10"	2'-3 3/8"	33'-4 3/4"	2'-8 3/8"
581.352'	41'-7 1/4"	20'-9 5/8"	18'-0 1/2"	2'-9 3/8"	22'-7 1/2"	11'-3 1/2"	8'-6 3/8"	2'-9 3/8"	33'-10 1/8"	2'-6 3/8"
580.352'	42'-2 3/4"	21'-1 1/8"	17'-10 3/16"	3'-3 1/8"	22'-11 5/8"	11'-5 1/8"	8'-2 3/8"	3'-3 1/8"	34'-4 5/8"	2'-4"
579.352'	42'-10 3/8"	21'-5 3/16"	17'-8 3/8"	3'-9"	23'-3 3/8"	11'-7 3/8"	7'-10 3/8"	3'-9"	34'-11 1/16"	2'-1 3/8"
578.352'	43'-6 1/4"	21'-9 1/8"	17'-6 1/16"	4'-3 1/16"	23'-7 1/8"	11'-9 5/8"	7'-6 1/8"	4'-3 1/16"	35'-5 1/4"	1'-11 1/2"
577.352'	44'-2 1/4"	22'-1 1/8"	17'-3 3/8"	4'-9 1/16"	24'-0 1/8"	12'-0 1/8"	7'-2 1/8"	4'-9 1/16"	35'-11 1/16"	1'-9 1/16"
576.352'	44'-10 1/2"	22'-5 1/4"	17'-1 3/4"	5'-3 1/2"	24'-4 1/2"	12'-2 1/4"	6'-10 3/4"	5'-3 1/2"	36'-5 5/8"	1'-7 1/4"
575.352'	45'-6 1/8"	22'-9 1/16"	16'-11 1/16"	5'-9 1/16"	24'-9"	12'-4 1/8"	6'-6 1/8"	5'-9 1/16"	36'-11 1/8"	1'-5 1/8"
574.352'	46'-3 5/8"	23'-1 1/16"	16'-9 1/16"	6'-4 1/16"	25'-1 1/2"	12'-6 3/4"	6'-2 3/8"	6'-4 1/16"	37'-6 1/8"	1'-3 1/16"
573.352'	47'-0 3/8"	23'-6 1/16"	16'-6 1/16"	6'-11 1/16"	25'-6 1/8"	12'-9 1/16"	5'-9 1/16"	6'-1 1/16"	38'-0 3/8"	1'-1 1/16"
572.352'	47'-9 1/8"	23'-10 3/16"	16'-4 3/8"	7'-6 1/16"	25'-10 7/8"	12'-11 1/16"	5'-5 1/4"	7'-6 1/16"	38'-6 3/8"	1 1/16"
571.352'	48'-6 3/4"	24'-3 3/8"	16'-2 1/16"	8'-1 3/8"	26'-3 5/8"	13'-1 3/8"	5'-0 5/8"	8'-1 3/8"	39'-0 3/8"	10 1/16"
570.352'	49'-4 1/8"	24'-8 1/16"	15'-11 1/16"	8'-8 3/8"	26'-8 3/8"	13'-4 3/8"	4'-7 1/8"	8'-8 3/8"	39'-7 3/8"	8 1/2"
569.352'	50'-1 7/8"	25'-0 5/16"	15'-9 3/16"	9'-3 1/16"	27'-1 5/8"	13'-6 3/8"	4'-3 1/16"	9'-3 1/16"	40'-1 1/2"	7 1/16"
568.352'	50'-11 3/4"	25'-5 1/8"	15'-6 1/16"	9'-11 1/16"	27'-6 3/8"	13'-9 3/8"	3'-10 1/16"	9'-11 3/16"	40'-7 3/4"	5 3/4"
567.352'	51'-10"	25'-11"	15'-4"	10'-7"	27'-11 3/4"	13'-11 3/8"	3'-5"	10'-6 7/8"	41'-2 1/16"	4 9/16"

- NOTES:
1. FOR LOWER PYLON REINFORCEMENT, SEE SHEETS B-63 THROUGH B-70.
  2. FOR UPPER PYLON DIMENSIONS & REINFORCEMENT, SEE SHEETS B-79 THROUGH B-85.
  3. FOR PYLON DIAPHRAGM DETAILS, SEE SHEETS B-71 THROUGH B-78.
  4. FOR PYLON TOP DIMENSIONS & REINFORCEMENT, SEE SHEETS B-90 THROUGH B-94.
  5. FOR PYLON ACCESS DETAILS, SEE SHEETS B-95 THROUGH B-100.

06/06/01  
...B-063.DGN



**LONGITUDINAL ELEVATION**  
(SCALE: 3/32" = 1'-0")



**TRANSVERSE ELEVATION**  
(SCALE: 3/32" = 1'-0")

NOTE:

1. FOR PYLON ACCESS DETAILS SEE SHEETS B95 THRU B100.
2. FOR PYLON DIAPHRAGM REINFORCEMENT AND POST-TENSIONING SEE SHEETS B71 THRU B78.
3. FOR FOOTING DIMENSIONS AND REINFORCEMENT SEE SHEETS B57 THRU B60.
4. FOR UPPER PYLON DIMENSIONS AND REINFORCEMENT SEE SHEETS B79 THRU B85.
5. FOR LIFT SYSTEM DETAILS SEE SHEETS 1488 & 1489.
6. FOR DETAILED REINFORCEMENT AT SECTIONS A-A THRU H-H SEE SHEETS B63 THRU B70.

BAR SIZE	DEVELOPMENT LENGTH MIN. (in.)	SPLICE LENGTH MIN. (in.)
4	18	31
5	23	39
6	27	46
8	36	62
11	57	96
18	144	MECH. CPLR.

DESIGN AGENCY  
**Figg Bridge Engineers, Inc.**  
 424 North Calhoun Street  
 Tallahassee, Florida 32301  
 TEL: 904/224-1111 FAX: 904/224-1112

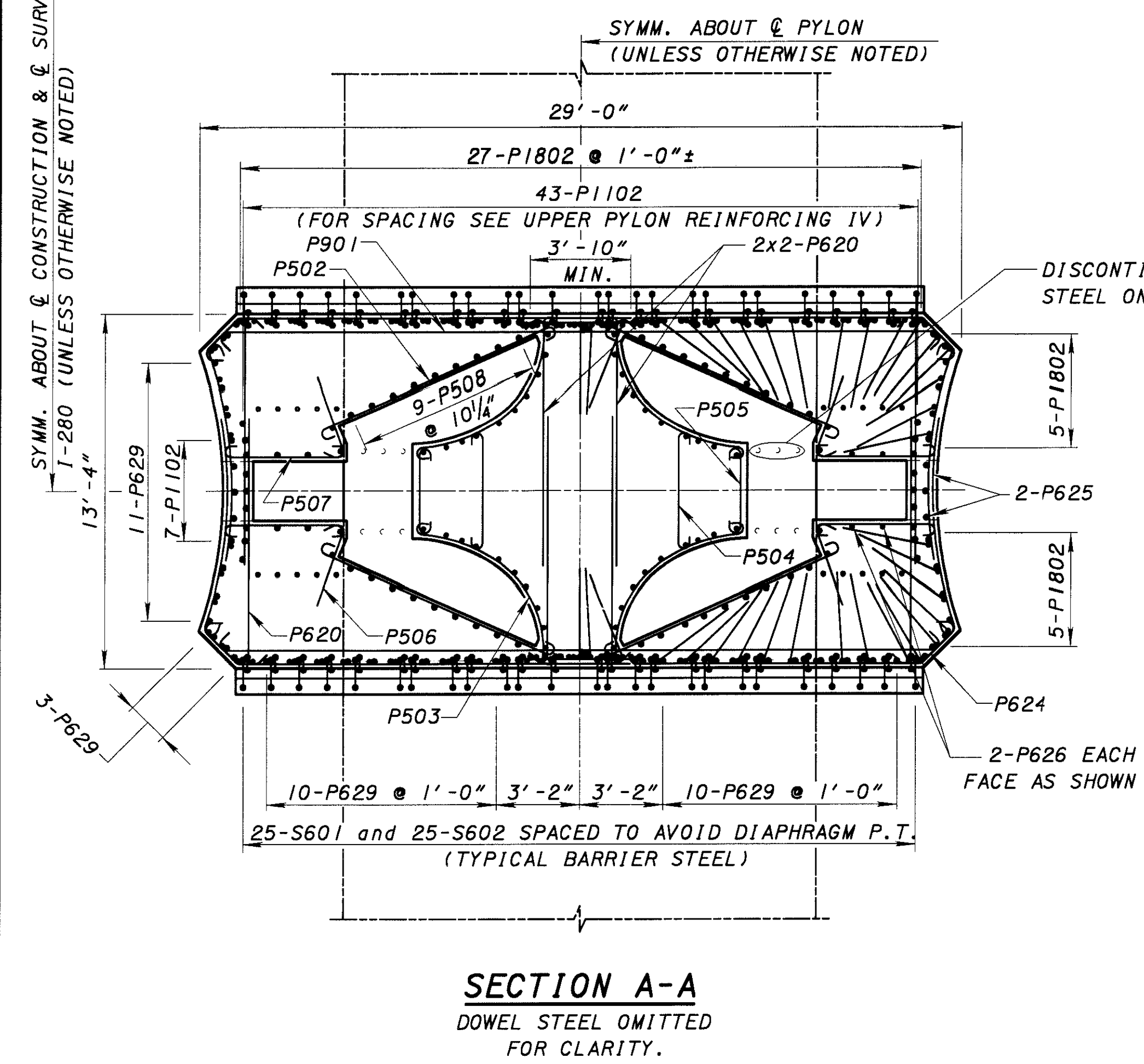
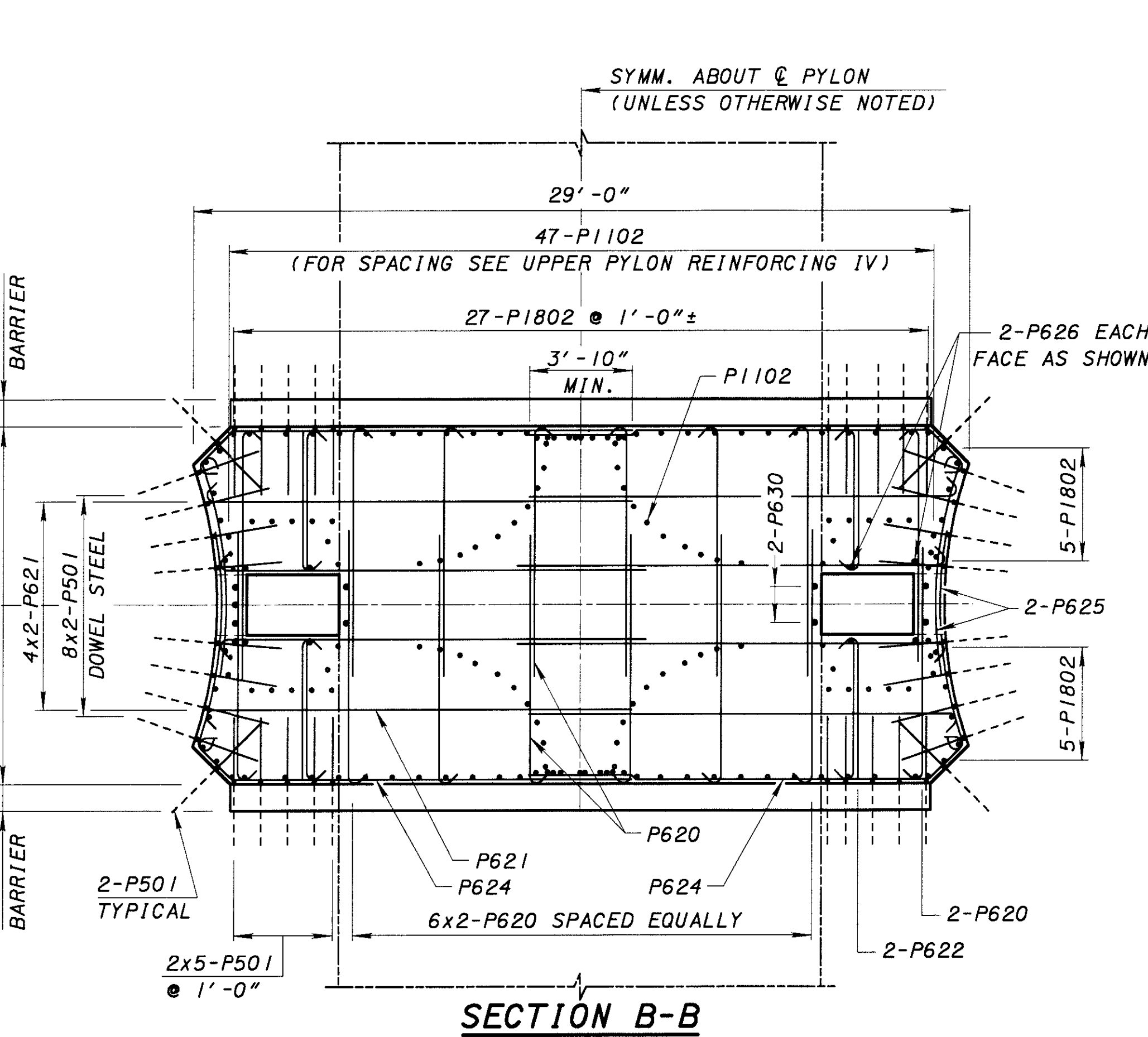
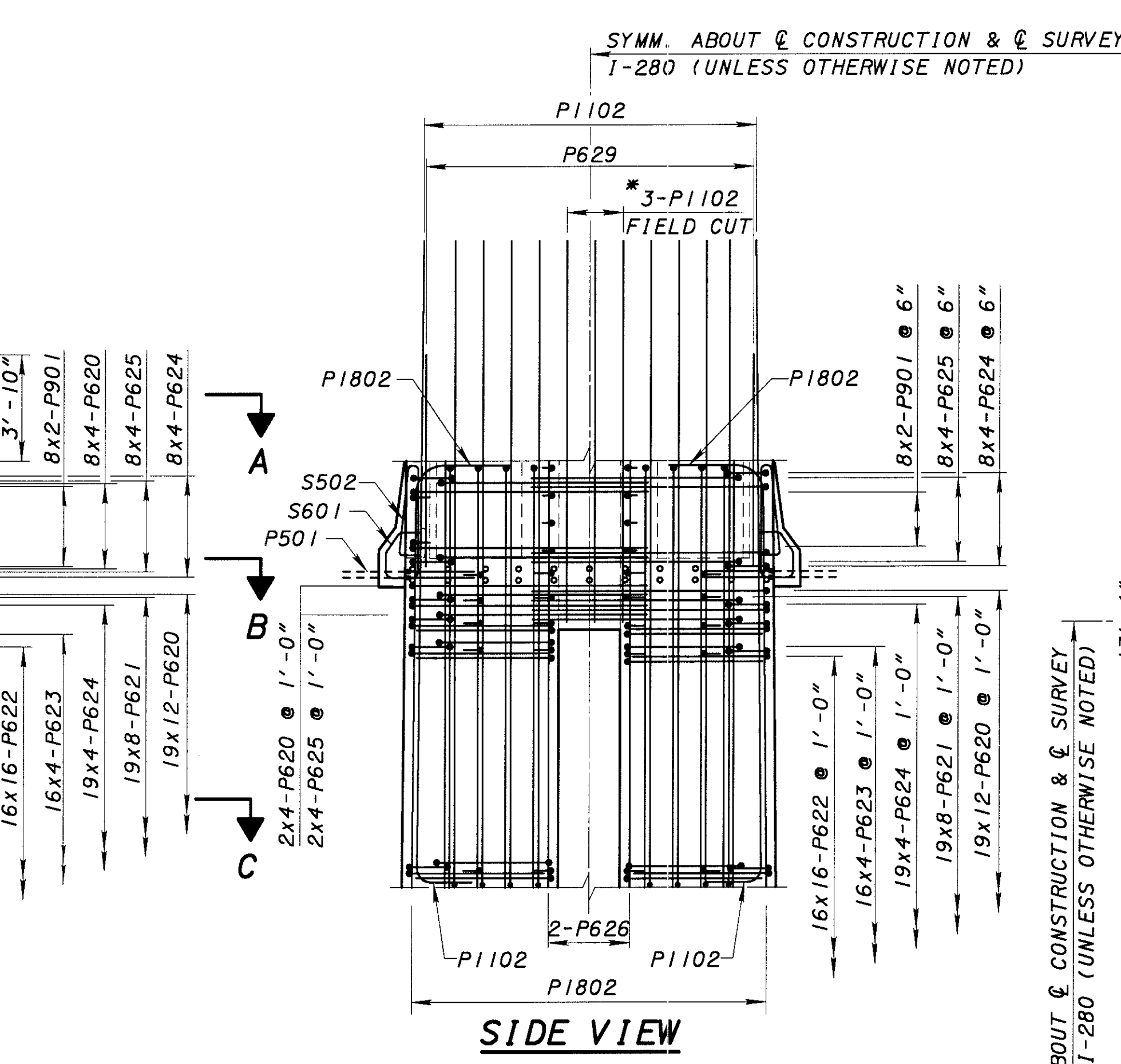
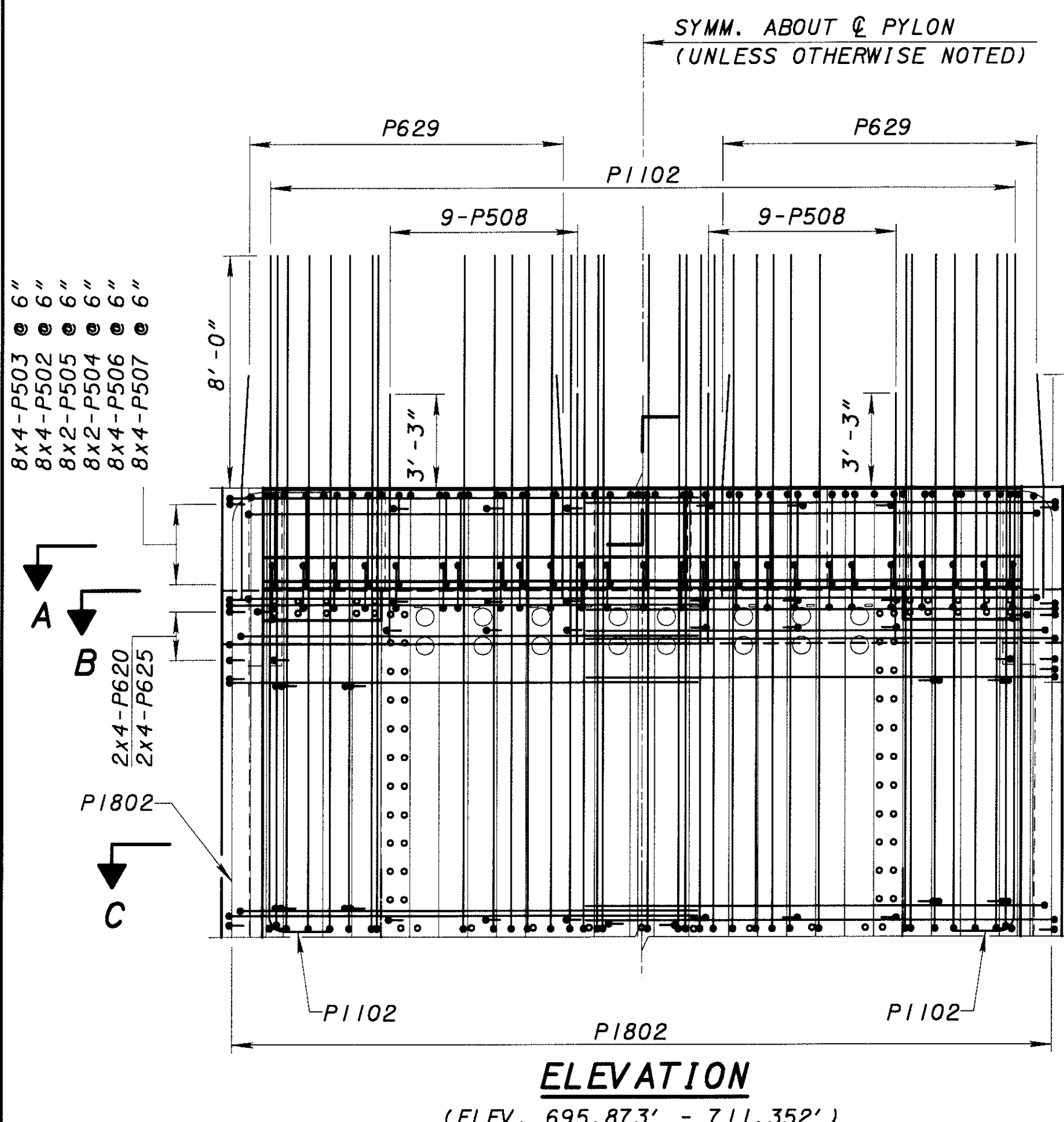
DATE	6-01
REVIEWED	WDP
STRUCTURE FILE NUMBER	L 4805636
REVISION	R 4805644
DESIGNED	AKK
CHECKED	MFC
DRAWN	JMF
REVISOR	

**LOWER PYLON - REINFORCEMENT I**  
 BRIDGE NO. LUC-280-0283  
 I-280 OVER THE MAUMEE RIVER

LUC-280-2.96

B63/844

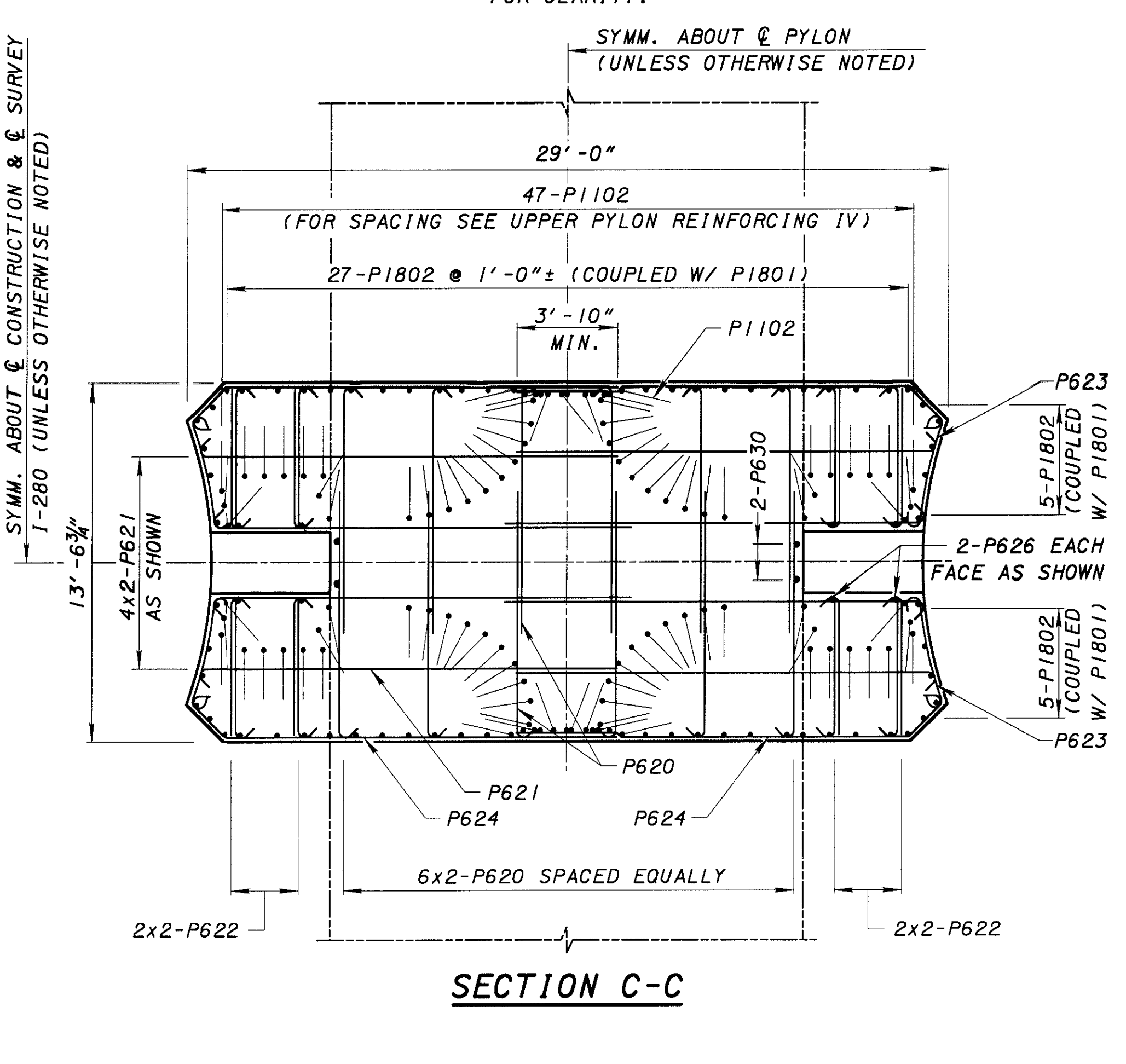
692  
 1879

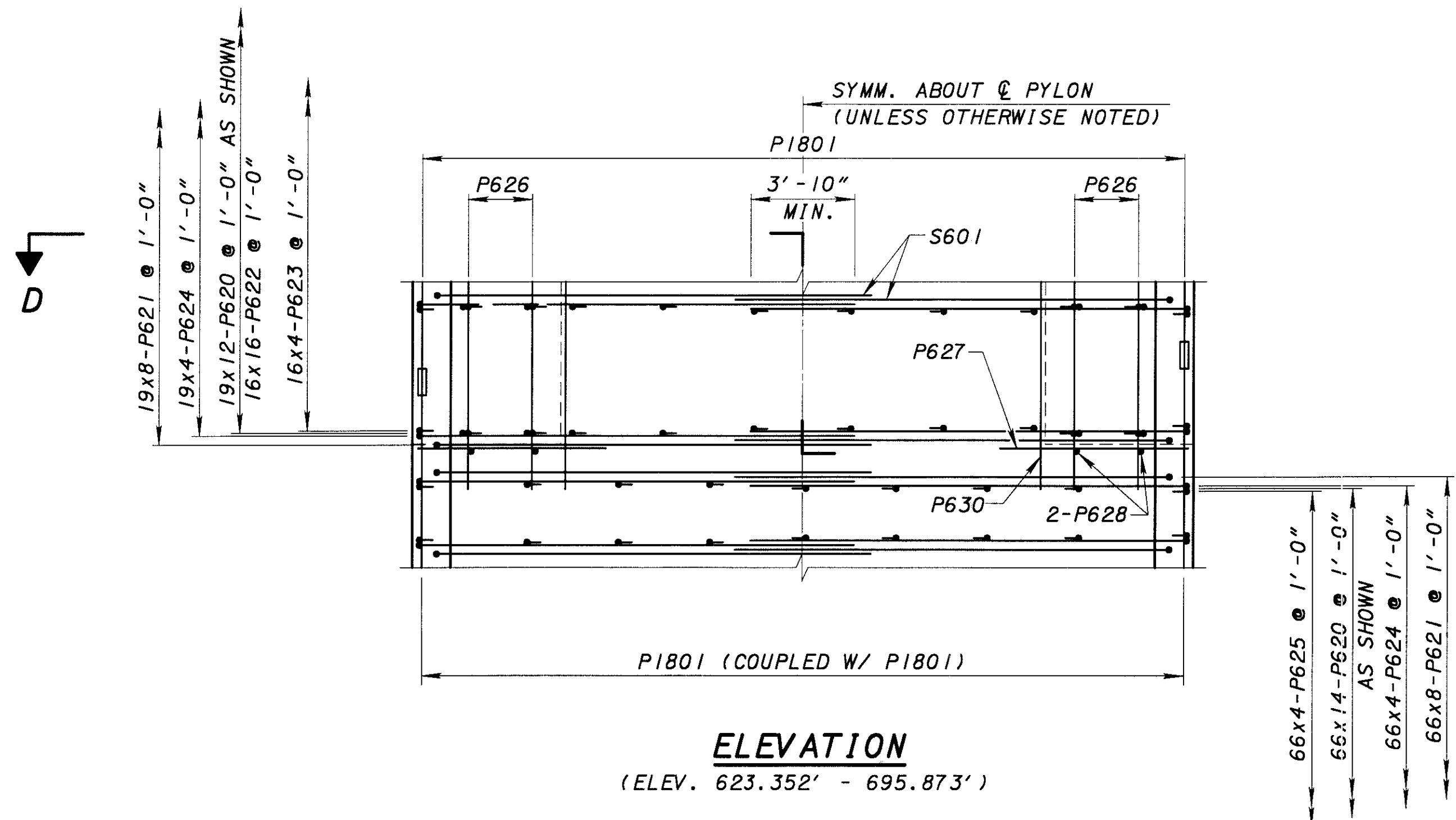


\* P1102 BARS INDICATED SHALL BE FIELD CUT TO ALLOW 2" CONCRETE COVER ABOVE ACCESS OPENING. EPOXY COATING OF ALL CUT SURFACES OF REINFORCING STEEL SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

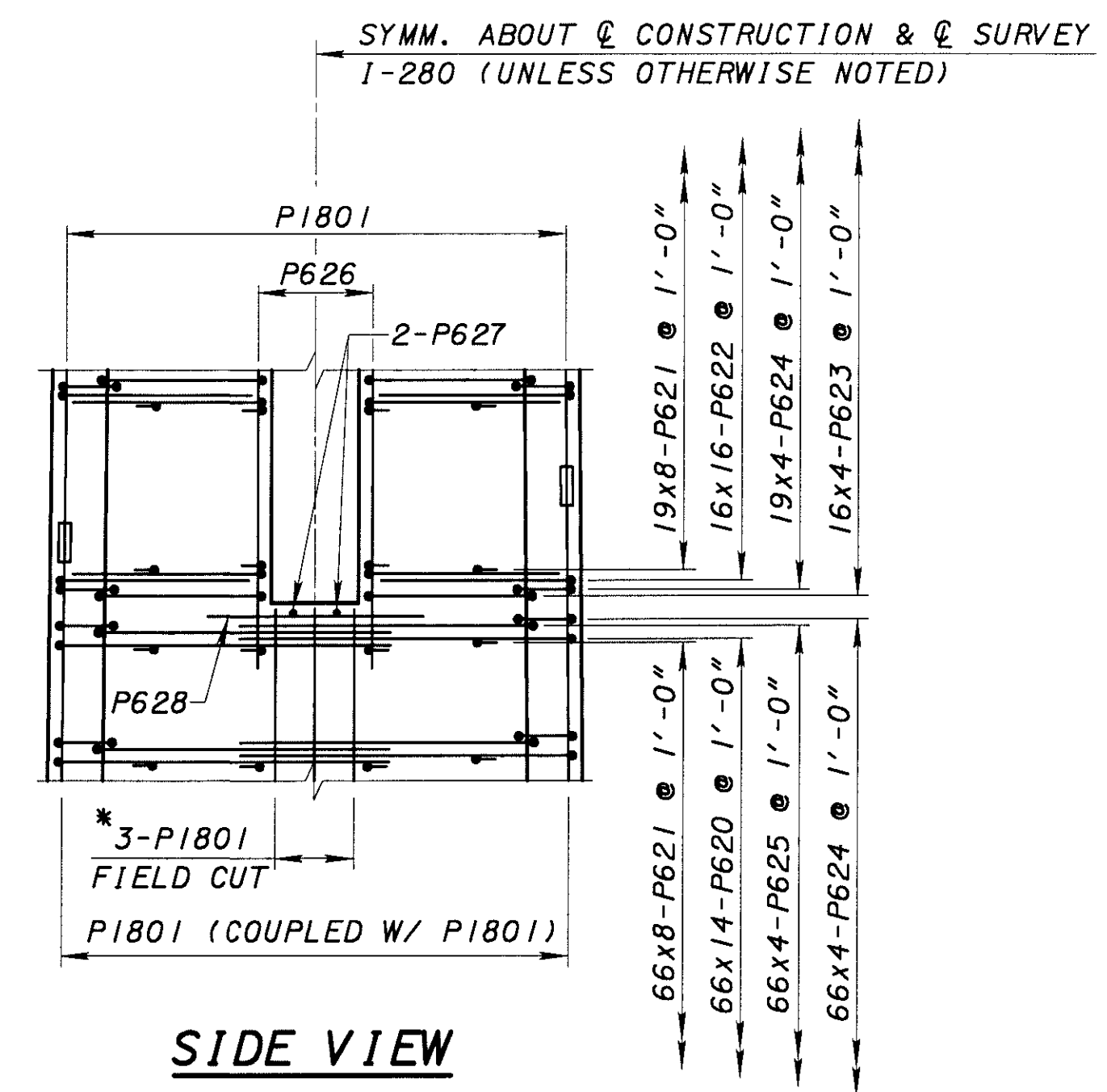
- NOTE:
1. FOR PYLON ACCESS AND VENTILATION DETAILS SEE SHEETS B95 THRU B100.
  2. FOR PYLON DIAPHRAGM REINFORCEMENT AND POST-TENSIONING SEE SHEETS B71 THRU B78.
  3. FOR FOOTING DIMENSIONS AND REINFORCEMENT SEE SHEETS B57 THRU B60.
  4. FOR UPPER PYLON DIMENSIONS AND REINFORCEMENT SEE SHEETS B79 THRU B85.
  5. FOR LIFT SYSTEM DETAILS SEE SHEETS 1488 THRU 1489.
  6. CONCRETE COVER IS 2" UNLESS OTHERWISE NOTED.

BAR SIZE	DEVELOPMENT LENGTH MIN. (in.)	SPLICE LENGTH MIN. (in.)
4	18	31
5	23	39
6	27	46
8	36	62
11	57	96
18	144	MECH. CPLR.



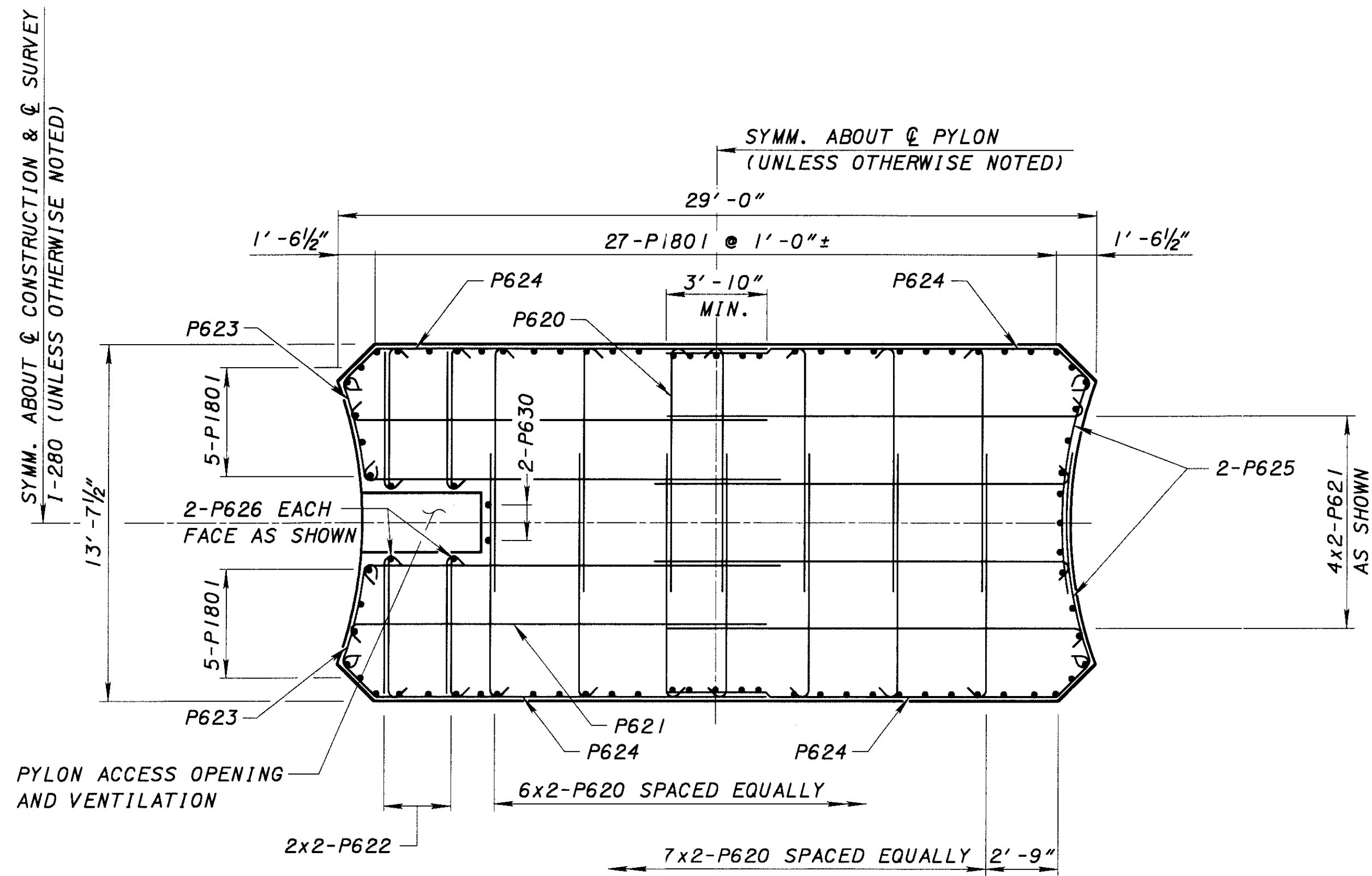


**ELEVATION**  
(ELEV. 623.352' - 695.873')



**SIDE VIEW**

\* P1801 BARS INDICATED SHALL BE FIELD CUT TO ALLOW 2" CONCRETE COVER BENEATH ACCESS OPENING. EPOXY COATING OF ALL CUT SURFACES OF REINFORCING STEEL SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

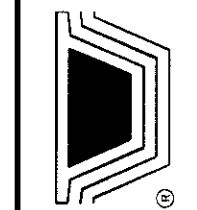


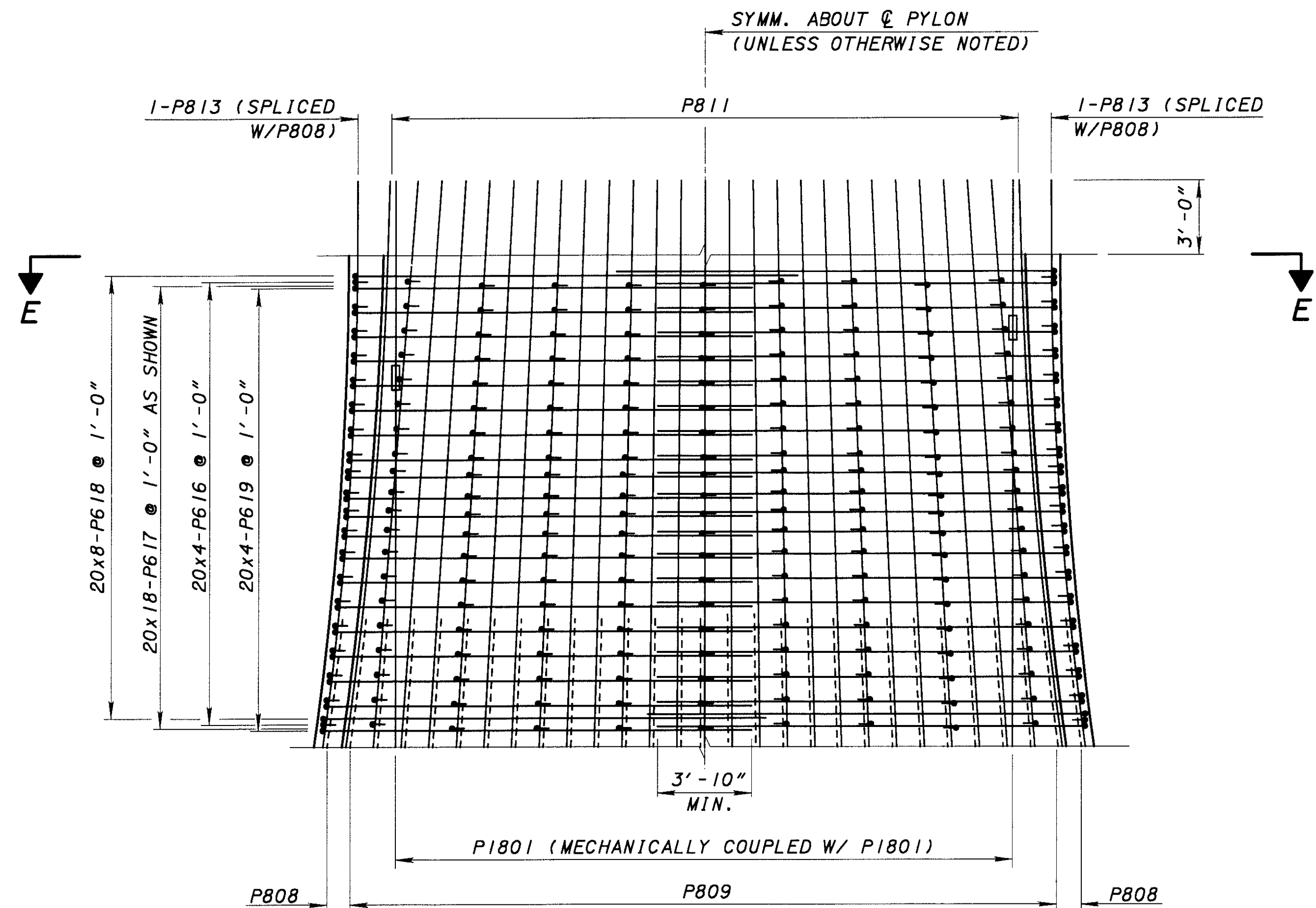
**SECTION D-D**

NOTE:

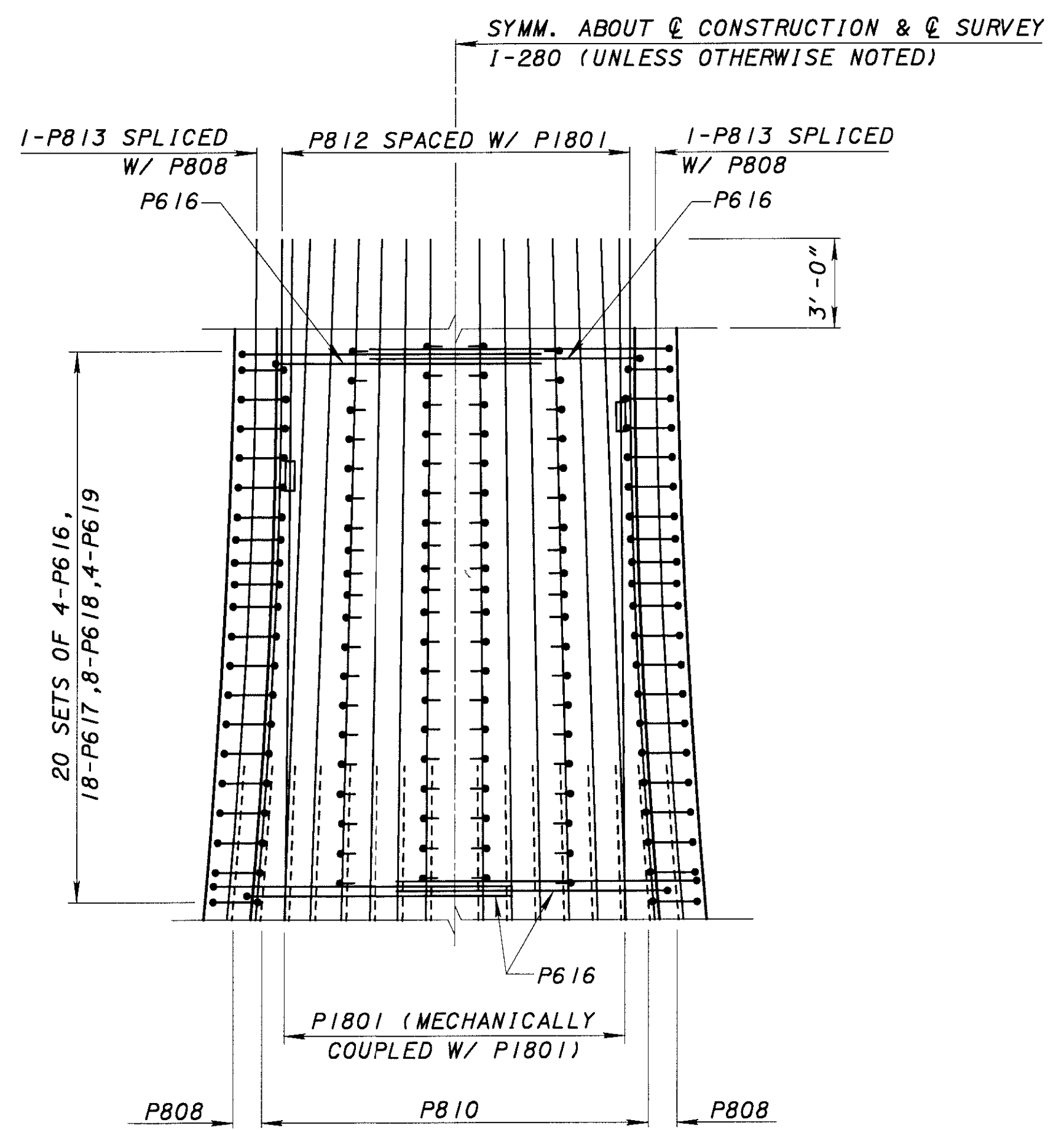
1. FOR PYLON ACCESS AND VENTILATION DETAILS SEE SHEETS B95 THRU B100.
2. FOR PYLON DIAPHRAGM REINFORCEMENT AND POST-TENSIONING SEE SHEETS B71 THRU B78.
3. FOR FOOTING DIMENSIONS AND REINFORCEMENT SEE SHEET B57 THRU B60.
4. FOR UPPER PYLON DIMENSIONS AND REINFORCEMENT SEE SHEETS B79 THRU B85.
5. FOR LIFT SYSTEM DETAILS SEE SHEETS 1488 & 1489.
6. CONCRETE COVER IS 2" UNLESS OTHERWISE NOTED.

BAR SIZE	DEVELOPMENT LENGTH MIN. (in.)	SPLICE LENGTH MIN. (in.)
4	18	31
5	23	39
6	27	46
8	36	62
11	57	96
18	144	MECH. CPLR.

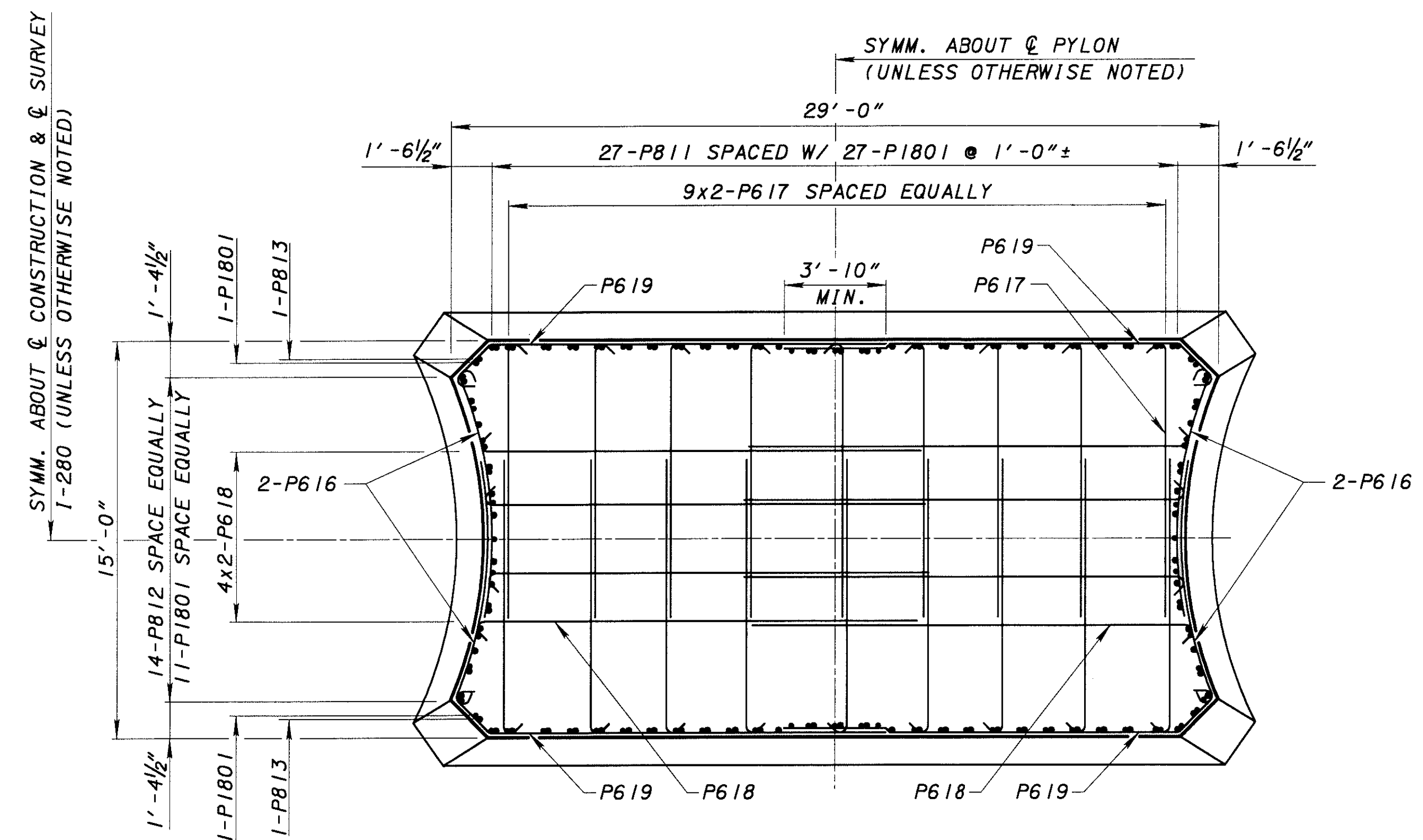




**ELEVATION**  
(ELEV. 603.352' - 623.352')



**SIDE VIEW**



**SECTION E-E**

**NOTE:**

1. FOR FOOTING DIMENSIONS AND REINFORCEMENT SEE SHEET B57 THRU B60.
2. FOR UPPER PYLON DIMENSIONS AND REINFORCEMENT SEE SHEETS B79 THRU B85.
3. CONCRETE COVER IS 3" UNLESS OTHERWISE NOTED.

BAR SIZE	DEVELOPMENT LENGTH MIN. (in.)	SPLICE LENGTH MIN. (in.)
4	18	31
5	23	39
6	27	46
8	36	62
11	57	96
18	144	MECH. CPLR.

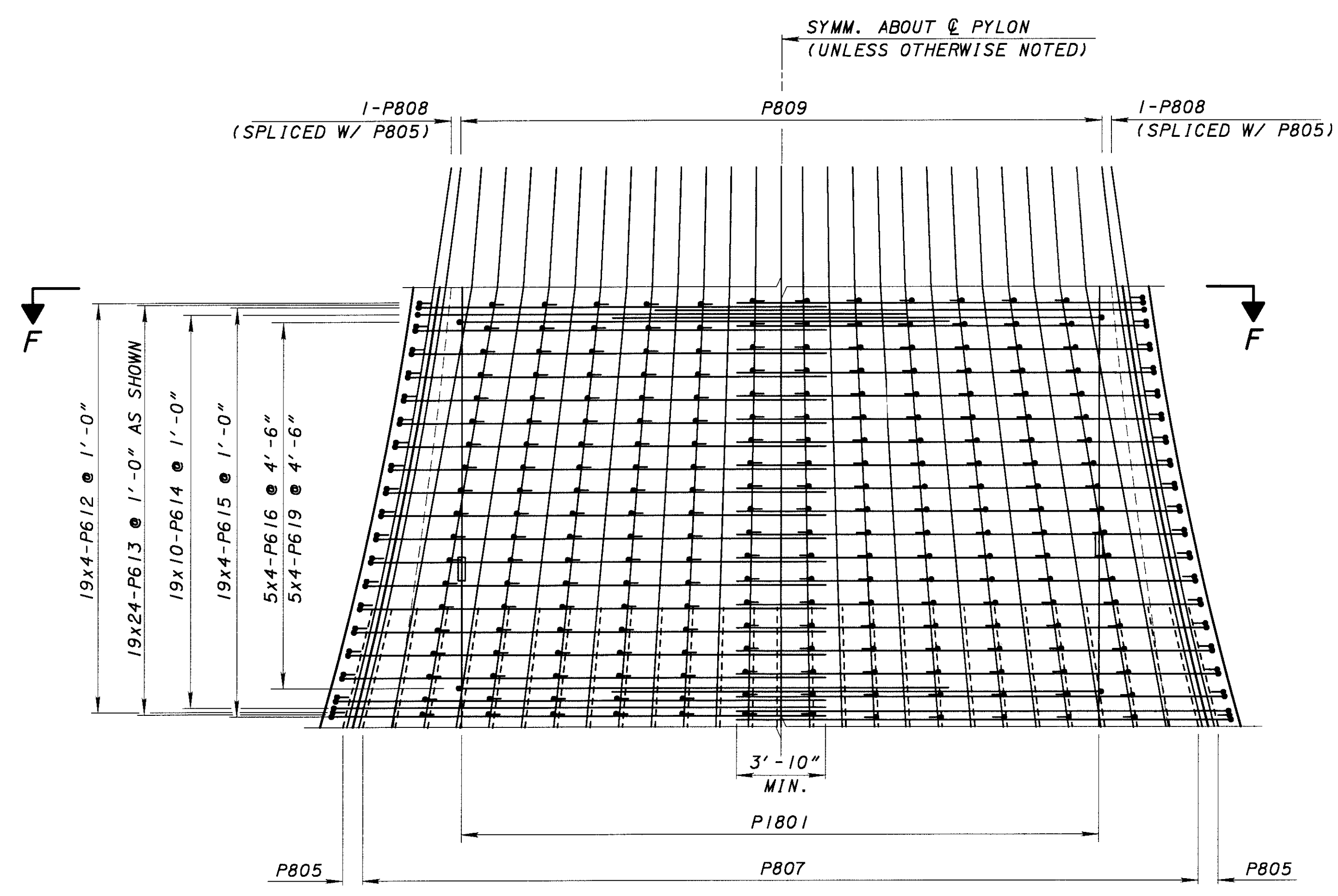
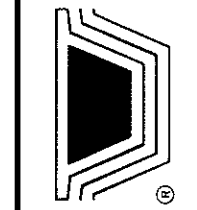
06/06/01  
... VB-066.DGN

**LOWER PYLON - REINFORCEMENT IV**  
BRIDGE NO. LUC-280-0283  
I-280 OVER THE MAUMEE RIVER

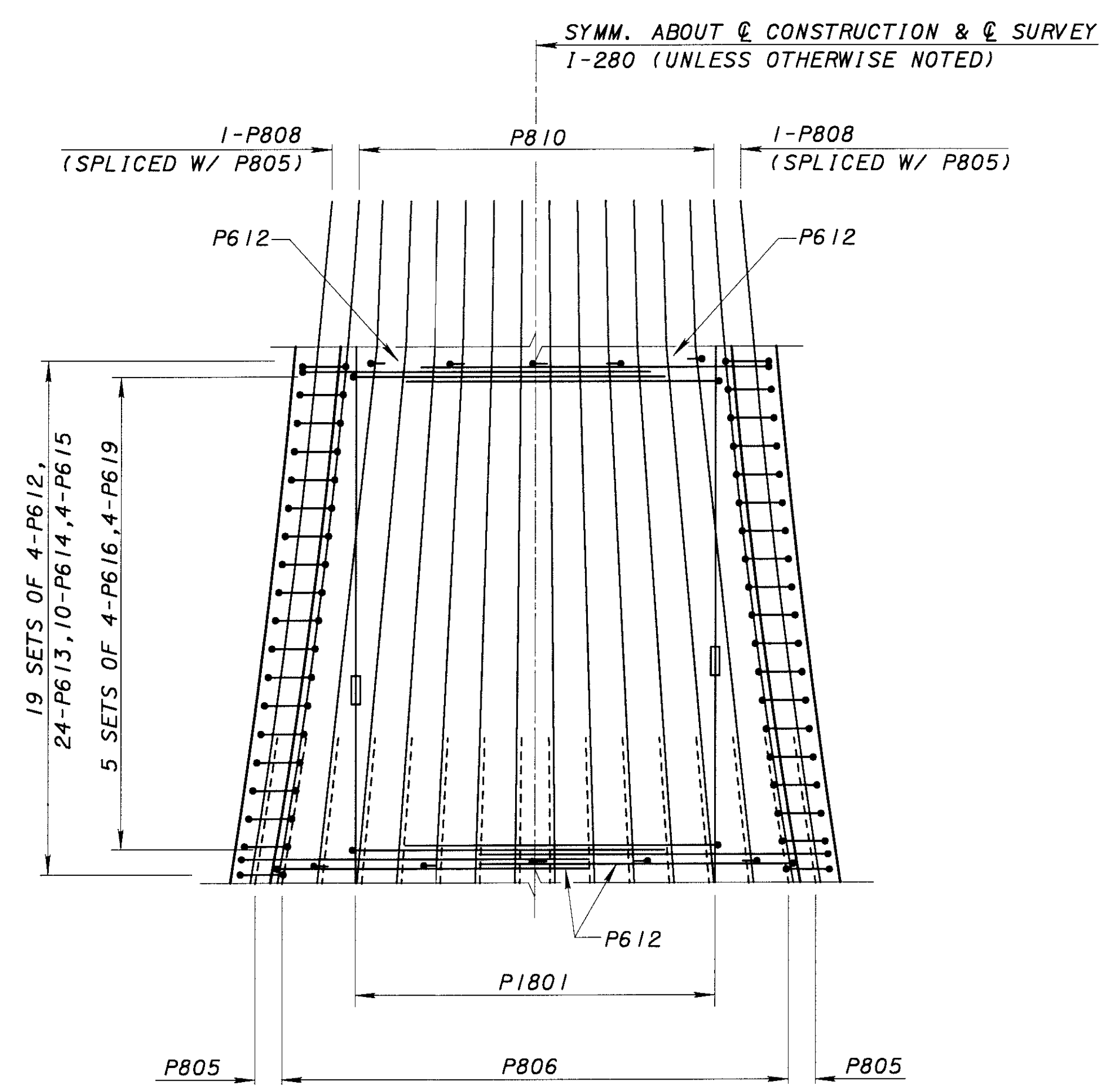
LUC-280-2.96

DESIGNED	AKK	CHECKED	MFC
DRAWN	JMF	REVIEWED	
REVIEWED	WDP	DATE	6-01
STRUCTURE FILE NUMBER	480583C	DESIGN AGENCY	Figg Bridge Engineers, Inc.
REVISED	R	4805844	424 North Colhoun Street Tallahassee, Florida 32301

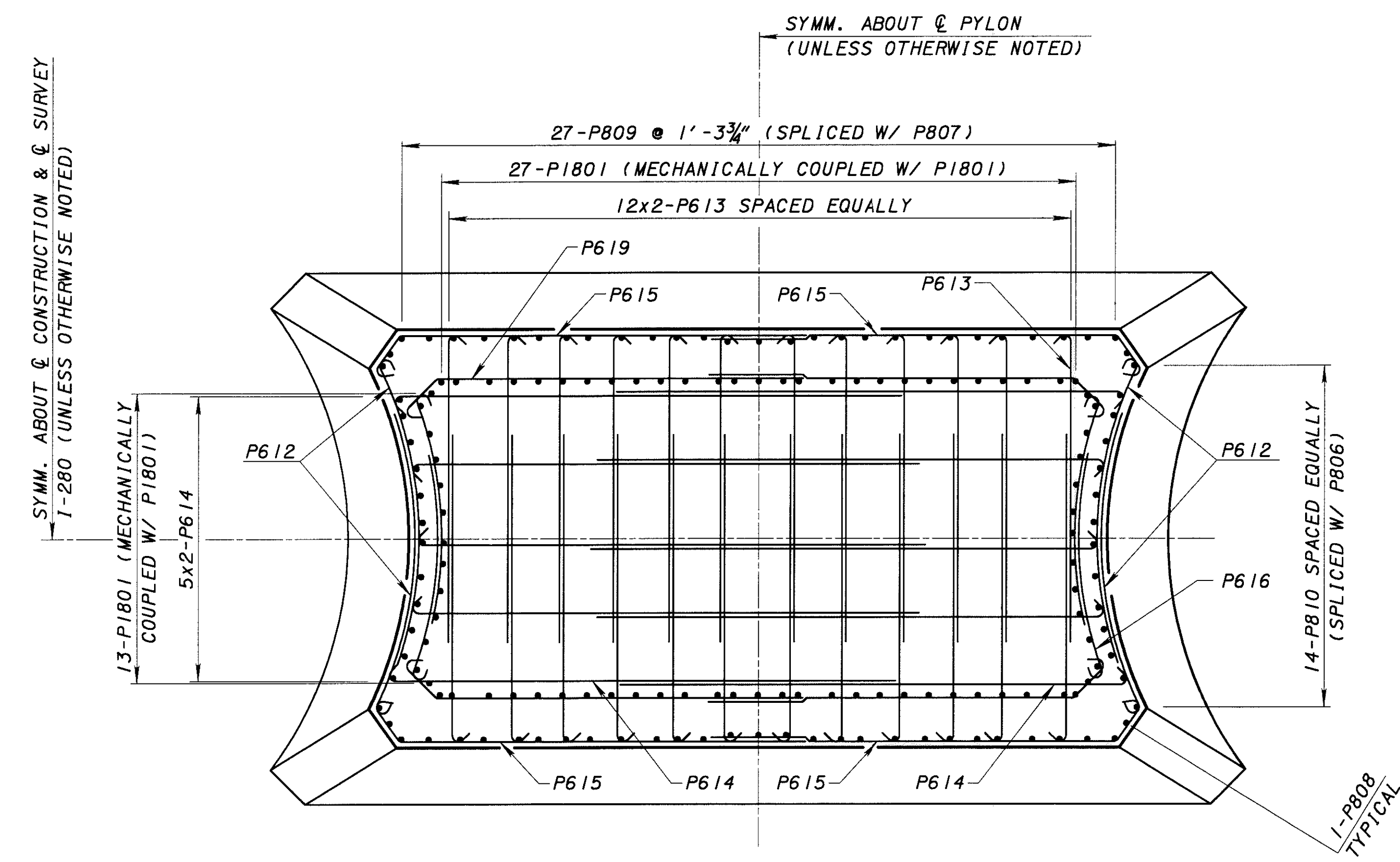
© 1995 Figg Bridge Engineers, Inc.



**ELEVATION**  
 (ELEV. 584.352' - 602.352')



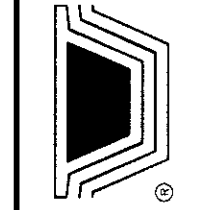
**SIDE VIEW**



**SECTION F-F**

- NOTE:
1. FOR FOOTING DIMENSIONS AND REINFORCEMENT SEE SHEET B57 THRU B60.
  2. FOR UPPER PYLON DIMENSIONS AND REINFORCEMENT SEE SHEETS B79 THRU B85.
  3. CONCRETE COVER IS 3" UNLESS OTHERWISE NOTED.

BAR SIZE	DEVELOPMENT LENGTH MIN. (in.)	SPLICE LENGTH MIN. (in.)
4	18	31
5	23	39
6	27	46
8	36	62
11	57	96
18	144	MECH. CPLR.



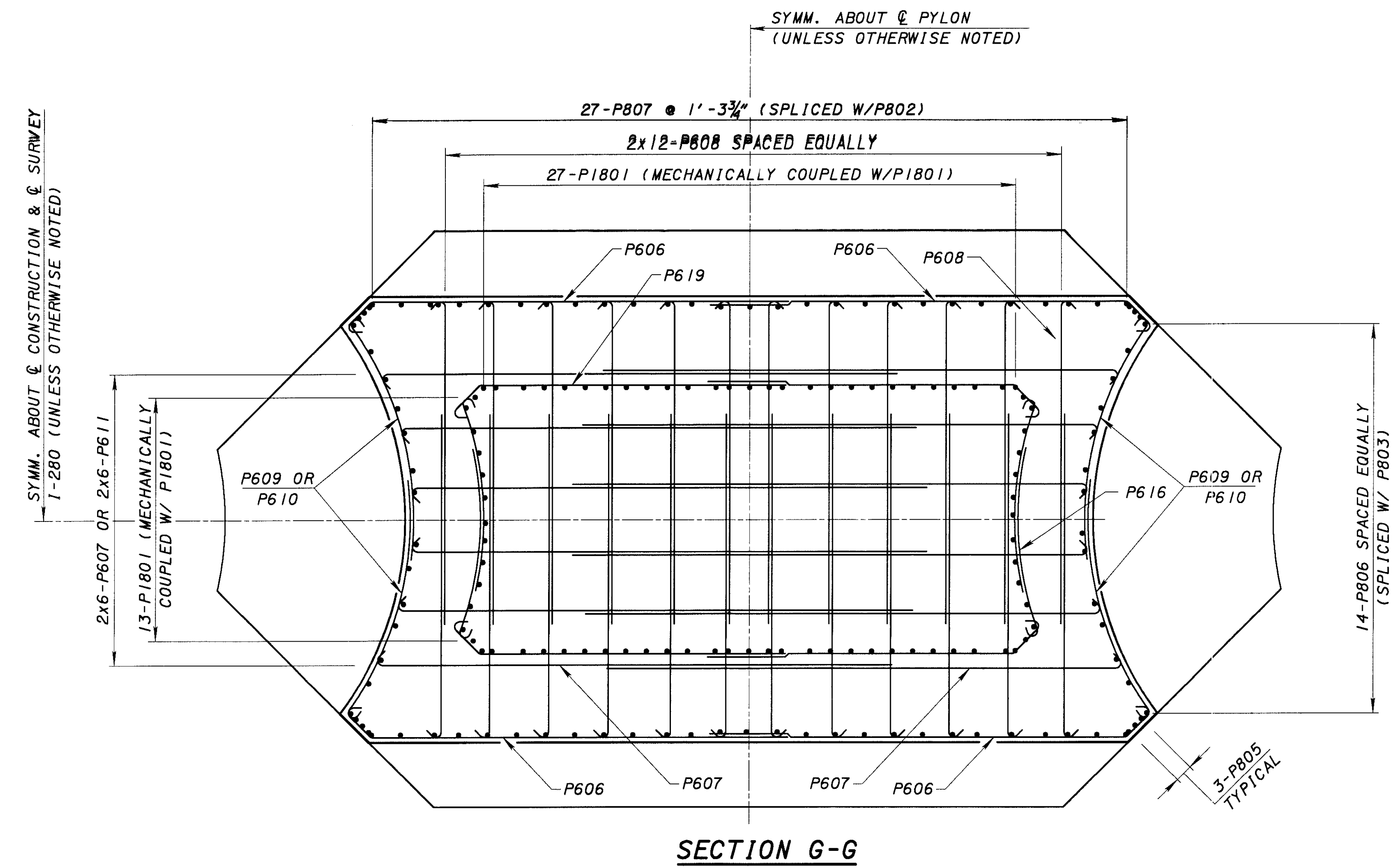
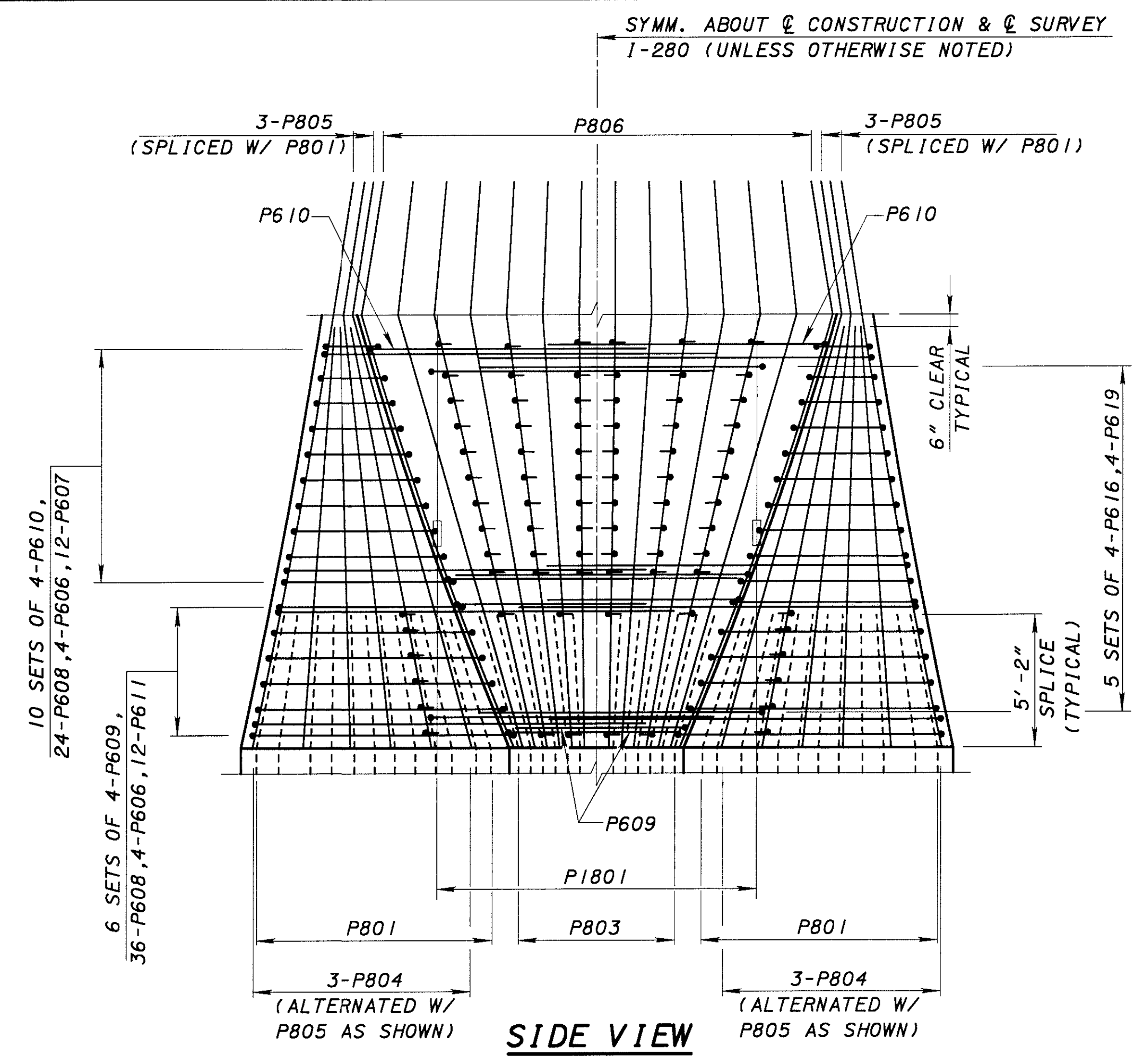
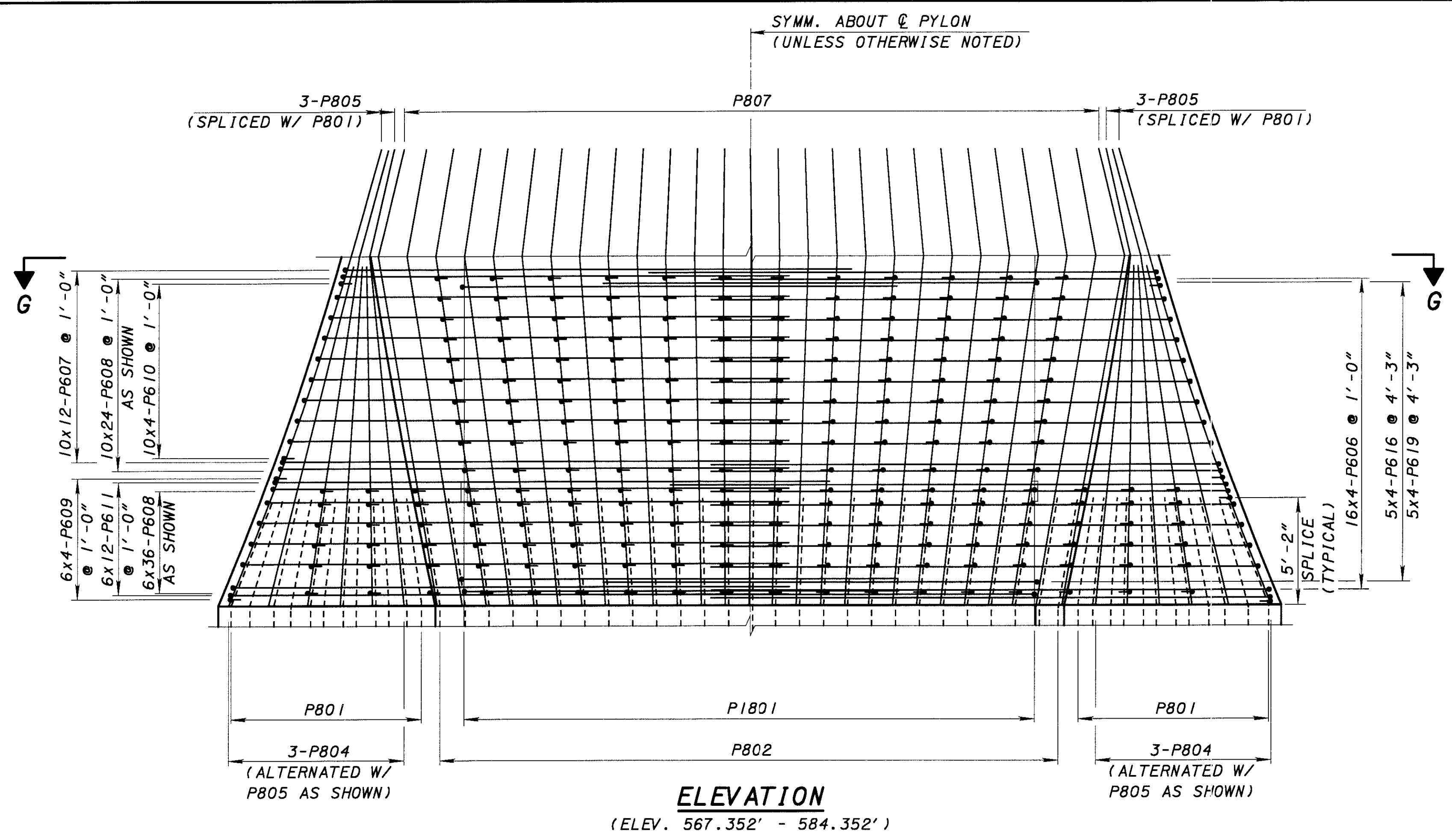
DESIGNED	DATE
AKK	6-01
CHECKED	
MFC	
DRAWN	REVIEWED
JMF	WDP
STRUCTURE FILE NUMBER	R 4805844
4805836	

**LOWER PYLON - REINFORCEMENT VI**  
 BRIDGE NO. LUC-280-0283  
 I-280 OVER THE MAUMEE RIVER

LUC-280-2.96

B68/844

697  
1879



- NOTE:
1. FOR FOOTING DIMENSIONS AND REINFORCEMENT SEE SHEET B57 THRU B60.
  2. FOR UPPER PYLON DIMENSIONS AND REINFORCEMENT SEE SHEETS B79 THRU B85.
  3. CONCRETE COVER IS 3" UNLESS OTHERWISE NOTED.

BAR SIZE	DEVELOPMENT LENGTH MIN. (in.)	SPLICE LENGTH MIN. (in.)
4	18	31
5	23	39
6	27	46
8	36	62
11	57	96
18	144	MECH. CPLR.

