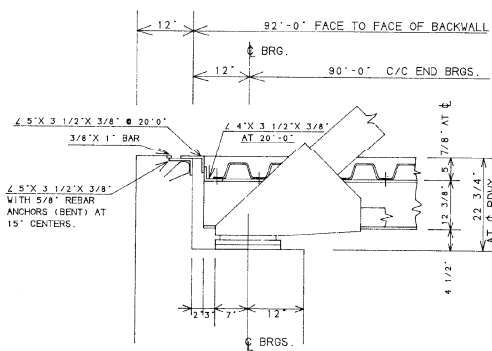
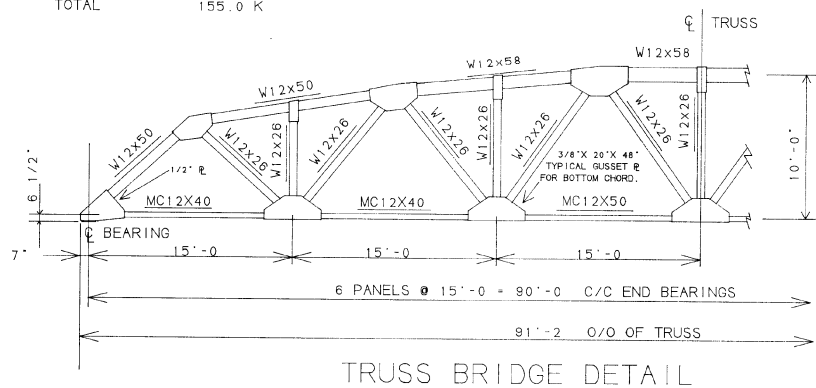




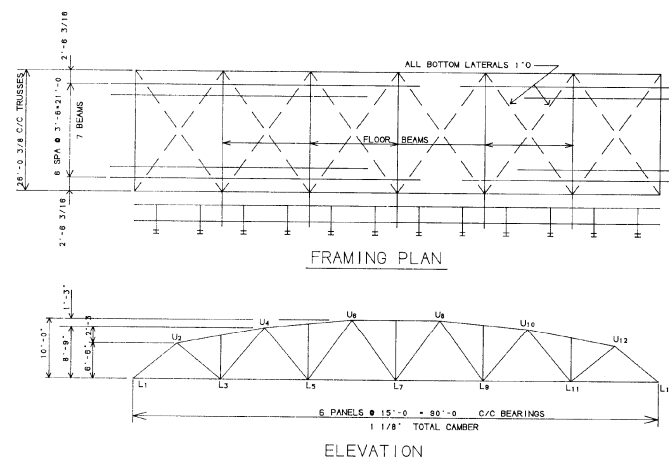
SIDEWALK PROVIDED ON ONE SIDE ONLY. SHOWN  
ON TWO SIDES FOR DETAILING PURPOSES ONLY.

## TRUSS SHOE REACTION

|           |         |
|-----------|---------|
| LIVE LOAD | 64.5 K  |
| IMPACT    | 15.0 K  |
| DEAD LOAD | 47.5 K  |
| SW LOAD   | 28.0 K  |
| <hr/>     |         |
| TOTAL     | 155.0 K |



ABUTMENT DETAIL



### GENERAL NOTES

ALL WELDED STEEL TRUSS BRIDGE

BRIDGE DESIGNED IN COMPLIANCE WITH  
AASHTO HS-20-44 LOADING

ALL SUPERSTRUCTURE STRUCTURAL STEEL  
ASTM A588 WEATHERING STEEL

ALL WELDING PERFORMED IN COMPLIANCE  
WITH AMERICAN WELDING SOCIETY  
SPECIFICATIONS AND ACCOMPLISHED  
WITH ELECTRODE CLASS E80XX

5 GAGE 3"x9" GALVANIZED CORRUGATED  
ASTM A-570 STEEL PLATE FLOOR  
WITH EDGE DAMS SECTION MODULUS  
OF 3.288 IN<sup>3</sup>/FT.

12 GAGE DEEP BEAM GUARDRAIL  
GALVANIZED RAIL AND HARDWARE ONLY

WELD MEMBERS TO GUSSET PLATES WITH MINIMUM 5/16 INCH  
FILLET WELDS AT EACH END OF EACH MEMBER.  
WELD STRUCTURAL SHAPES IN AND ABOUT AND ALL AROUND  
GUSSET PLATES AT EACH JOINT.

ALL GUSSET PLATES 3/8 INCHES THICK EXCEPT AS NOTED  
WITH SUFFICIENT FLAT AREAS TO RESIST STRESSES AND  
SO SHAPED TO PRODUCE AN AESTHETIC ARCHITECTURAL  
APPEARANCE.

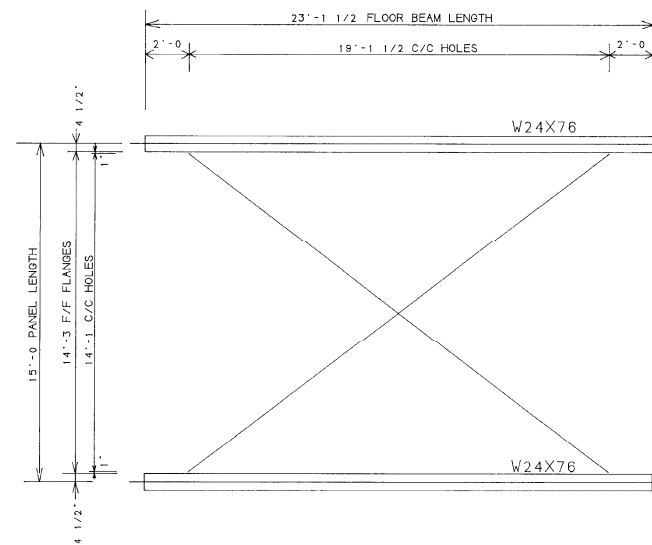
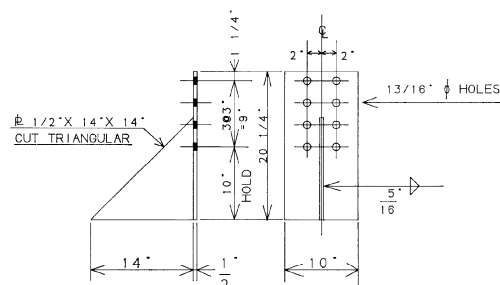
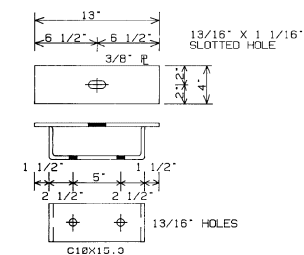
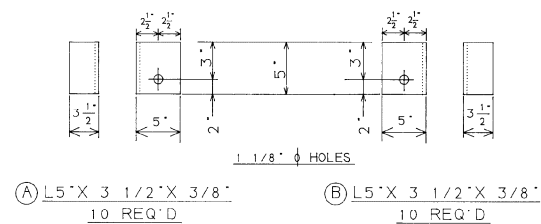
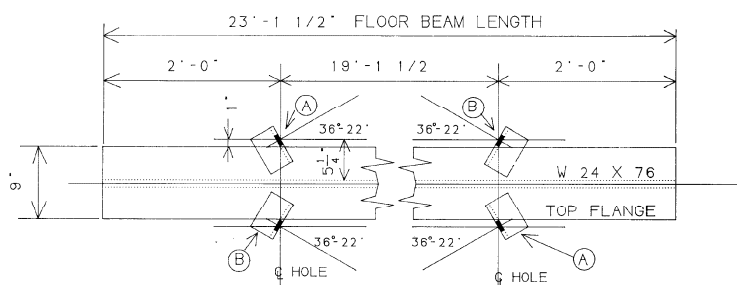
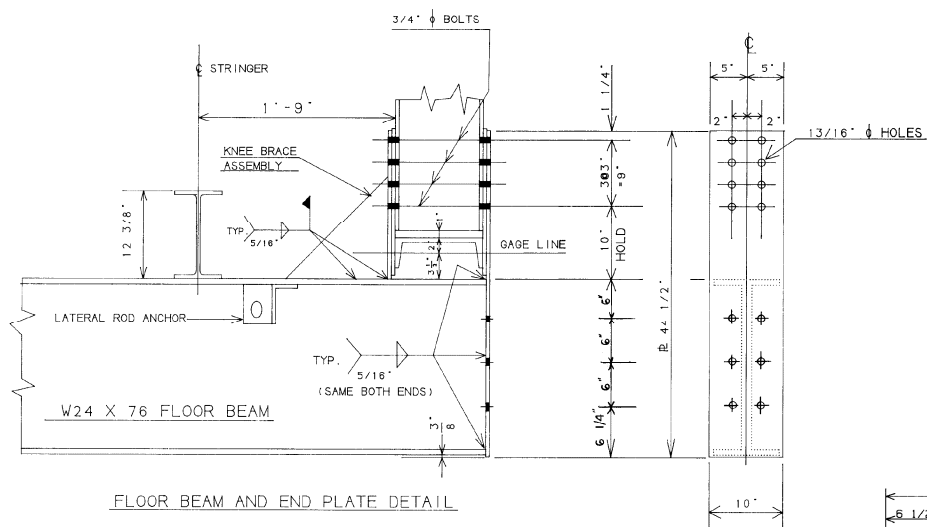
## DESIGN DEAD LOADS

|                         |        |
|-------------------------|--------|
| STEEL FLOOR             | 15 PSF |
| ASPHALT WEARING SURFACE | 45 PSF |
| FUTURE WEARING SURFACE  | 20 PSF |

NOTE: DRAWINGS RELATIVE DO NOT SCALE

|    |      |           |    |                                 |                         |
|----|------|-----------|----|---------------------------------|-------------------------|
| NO | DATE | REVISIONS | BY | 90' TRUSS BRIDGE                | 20' RDWY & 4' SW        |
|    |      |           |    | GLOUSTER<br>ATHENS COUNTY, OHIO |                         |
|    |      |           |    | DESIGN<br>DLM                   | DRAWN<br>SAF            |
|    |      |           |    | DATE<br>MAR. 22, 1986           | DRAWING NO.<br>GLOUSTER |
|    |      |           |    | CHECK/DATE                      | SHEET<br>1 OF 5         |



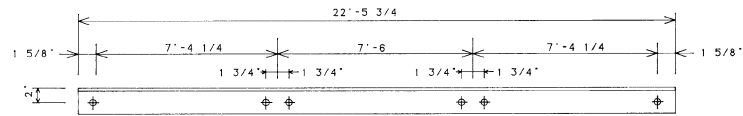

$$\underline{\text{ANGLE CALC.}} = \frac{14.08}{19.13} = 0.74 = 36.37^\circ = 36^\circ 22'$$
$$\text{LENGTH CALC.} = \frac{19.13}{\cos 36.37^\circ} = 23.75'$$

LATERAL ROD LENGTHS

12 PCS - 1" Ø ROD - 24'-3" WITH 6" THREAD EACH END

|    |      |           |    |                    |              |                      |                  |        |
|----|------|-----------|----|--------------------|--------------|----------------------|------------------|--------|
| NO | DATE | REVISIONS | BY | 90' TRUSS BRIDGE   |              |                      | 20' RDWY & 4' SW |        |
|    |      |           |    | GLOUSTER           |              |                      |                  |        |
|    |      |           |    | ATHENS COUNTY OHIO |              |                      |                  |        |
|    |      |           |    | DESIGN<br>DLM      | DRAWN<br>SAF | DATE<br>MAY 15, 1996 | DRAWING NO.      | SHEET  |
|    |      |           |    | REVIEWED           |              |                      | GLOUSTER         | 3 OF 2 |

NOTE: DRAWINGS RELATIVE DO NOT SCALE

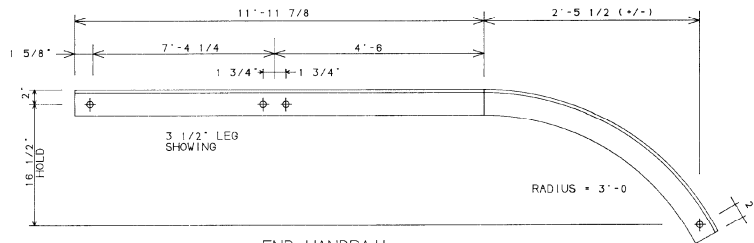


3 1/2" LEG  
SHOWING

### SIDEWALK HANDRAIL

3 REQ'D  
L 6 X 3 1/2 X 5/16  
13/16" Ø  
HOLES

GALV AFTER FAB

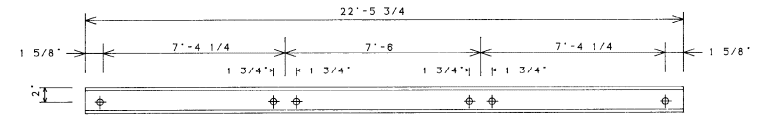


3 1/2" LEG  
SHOWING

### END HANDRAIL

2 REQ'D  
1 AS SHOWN  
1 OPPOSITE HAND  
L 6 X 3 1/2 X 5/16  
13/16" Ø  
HOLES

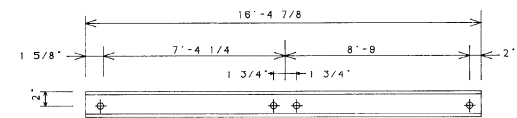
GALV AFTER FAB



### SIDEWALK TOE CHANNEL

3 REQ'D  
C 4 X 5.4  
13/16" Ø  
HOLES

GALV AFTER FAB



### END TOE CHANNEL

2 REQ'D  
C 4 X 5.4  
13/16" Ø  
HOLES

GALV AFTER FAB

NOTE: DRAWINGS RELATIVE DO NOT SCALE

| NO       | DATE | REVISIONS | BY | 90' TRUSS BRIDGE    |  | 20' RDWY & 4' SW |  |
|----------|------|-----------|----|---------------------|--|------------------|--|
|          |      |           |    |                     |  |                  |  |
|          |      |           |    |                     |  |                  |  |
|          |      |           |    |                     |  |                  |  |
|          |      |           |    |                     |  |                  |  |
|          |      |           |    |                     |  |                  |  |
|          |      |           |    |                     |  |                  |  |
|          |      |           |    |                     |  |                  |  |
|          |      |           |    |                     |  |                  |  |
|          |      |           |    |                     |  |                  |  |
| DESIGN   |      |           |    | GLOUSTER            |  | DRAWING NO.      |  |
| DLM      |      |           |    | ATHENS COUNTY, OHIO |  | GLOUSTER         |  |
| REVIEWED |      |           |    | DATE                |  | SHEET            |  |
|          |      |           |    | MAY 14, 1996        |  | 5 OF 5           |  |