

## (Dimensions measured along inside face of parapet)

parapet)

g elastomeric  
he requirements  
ss 25. Use T

5/8"  $\phi$  Backer Rod

Cork Joint Filler  
the Std. Spec.  
erstructure.

1/2"

1/2"

1/2"

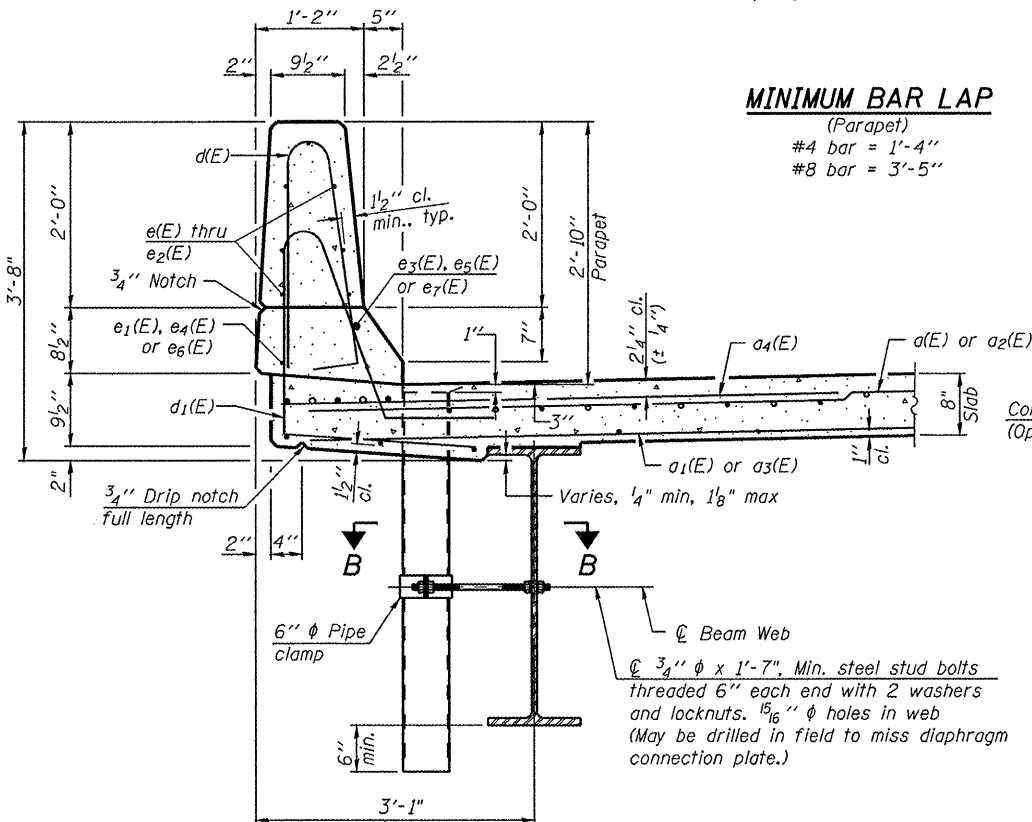
1/4"

1/4"

**Notes:**  
*The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Society of Protective Coatings Spec. SSPC-SP1 prior to painting.*  
*Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.*

(Parapet)

#4 bar = 1'-4"  
#8 bar = 3'-5"



6"  $\phi$  Pipe Clamp

$\frac{1}{2}$ " Fabric Pad

18"

\*Dimension as required  
by Pipe Clamp

Diagram illustrating a fiberglass pipe joint. The joint is labeled "FIBERGLASS PIPE". The joint is reinforced with a "Reinf. Plastic Rebar" (Reinforcing Plastic Rebar). The rebar is shown as a horizontal line passing through the joint. The joint is labeled with dimensions: "1/2\"  $\phi$  x 8\" Fiberglass" and "Reinf. Plastic Rebar". The joint is also labeled with dimensions: "35/16", "35/16", and "1/2\"".

Fill slot  
with weld

$\frac{1}{2}'' \phi \times 8''$   
Alum. Bar  
ASTM B 211  
alloy 6061-T6

3" 3"

(Showing Aluminum Tube)

Technical drawing of a mechanical part with the following dimensions:

- Top horizontal edge: 7"
- Left vertical edge: 1'-11"
- Bottom left vertical edge: 2"
- Bottom horizontal edge: 2'-3"
- Right vertical edge: 1'-10 1/2"
- Internal vertical edge: 1'-2"
- Internal horizontal edge: 2'-0"
- Top left corner: 2 1/2" Rod.

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Consulting Engineers  
Chatham, Illinois

### BILL OF MATERIAL

| Bar                                 | No. | Size | Length   | Shape                                                                                 |
|-------------------------------------|-----|------|----------|---------------------------------------------------------------------------------------|
| a(E)                                | 300 | #5   | 27'-1"   | =====                                                                                 |
| a <sub>1</sub> (E)                  | 184 | #5   | 26'-9"   | =====                                                                                 |
| a <sub>2</sub> (E)                  | 300 | #5   | 21'-1"   | =====                                                                                 |
| a <sub>3</sub> (E)                  | 184 | #5   | 20'-9"   | =====                                                                                 |
| a <sub>4</sub> (E)                  | 600 | #6   | 6'-0"    | =====                                                                                 |
| a <sub>5</sub> (E)                  | 4   | #5   | 27'-6"   | =====                                                                                 |
| a <sub>6</sub> (E)                  | 4   | #5   | 22'-7"   | =====                                                                                 |
| b(E)                                | 312 | #5   | 24'-5"   | =====                                                                                 |
| b <sub>1</sub> (E)                  | 96  | #6   | 30'-10"  | =====                                                                                 |
| b <sub>2</sub> (E)                  | 215 | #5   | 28'-11"  | =====                                                                                 |
|                                     |     |      |          |                                                                                       |
| d(E)                                | 302 | #5   | 5'-7"    |    |
| d <sub>1</sub> (E)                  | 302 | #5   | 7'-11"   |    |
| e(E)                                | 28  | #4   | 18'-8"   | =====                                                                                 |
| e <sub>1</sub> (E)                  | 64  | #4   | 6'-2"    | =====                                                                                 |
| e <sub>2</sub> (E)                  | 56  | #4   | 18'-2"   | =====                                                                                 |
| e <sub>3</sub> (E)                  | 4   | #8   | 36'-8"   | =====                                                                                 |
| e <sub>4</sub> (E)                  | 8   | #4   | 19'-0"   | =====                                                                                 |
| e <sub>5</sub> (E)                  | 8   | #8   | 6'-2"    | =====                                                                                 |
| e <sub>6</sub> (E)                  | 4   | #4   | 19'-6"   | =====                                                                                 |
| e <sub>7</sub> (E)                  | 2   | #8   | 37'-8"   | =====                                                                                 |
|                                     |     |      |          |                                                                                       |
| m(E)                                | 10  | #6   | 22'-10"  | =====                                                                                 |
| m <sub>1</sub> (E)                  | 10  | #6   | 29'-3"   | =====                                                                                 |
| m <sub>2</sub> (E)                  | 12  | #6   | 9'-5"    | =====                                                                                 |
| m <sub>3</sub> (E)                  | 16  | #6   | 9'-3"    | =====                                                                                 |
| m <sub>4</sub> (E)                  | 10  | #6   | 6'-1"    | =====                                                                                 |
| m <sub>5</sub> (E)                  | 2   | #6   | 3'-10"   | =====                                                                                 |
| m <sub>6</sub> (E)                  | 2   | #6   | 2'-7"    | =====                                                                                 |
| m <sub>7</sub> (E)                  | 4   | #6   | 2'-8"    | =====                                                                                 |
|                                     |     |      |          |                                                                                       |
| s(E)                                | 110 | #5   | 5'-5"    |  |
| s <sub>1</sub> (E)                  | 96  | #4   | 8'-7"    |  |
|                                     |     |      |          |                                                                                       |
| v(E)                                | 100 | #5   | 3'-4"    |  |
| Reinforcement Bars,<br>Epoxy Coated |     |      | Pound    | 57930                                                                                 |
| Concrete<br>Superstructure          |     |      | Cu. Yds. | 229.6                                                                                 |

Bars indicated thus 1x2-#4 etc. indicates  
1 line of bars with 2 lengths per line.

|                                                                                                                                                                 |                                      |               |                                                 |        |                    |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------|-------------------------------------------------|--------|--------------------|--------------|
|  <b>LIN ENGINEERING, LTD.</b><br>Consulting Engineers<br>Chatham, Illinois | SHEET NO. 9<br><br>22 SHEETS         | F.A.U<br>RTE. | SECTION                                         | COUNTY | TOTAL<br>SHEETS    | SHEET<br>NO. |
|                                                                                                                                                                 |                                      | 6658          | (ZC-15D-BR)BR                                   | PEORIA | 49                 | 22           |
|                                                                                                                                                                 |                                      |               |                                                 |        | CONTRACT NO. 68478 |              |
| Designed By: TBP<br>Date: 03/09/99                                                                                                                              | Checked By: KMH<br>File: 076-092.dgn | Drawn By: TBP | FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT |        |                    |              |