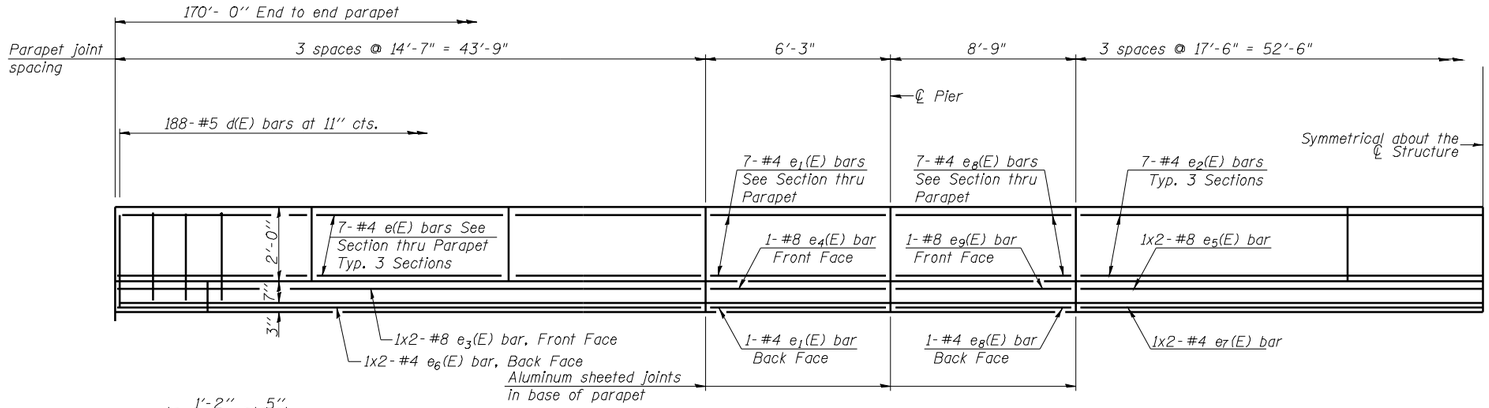
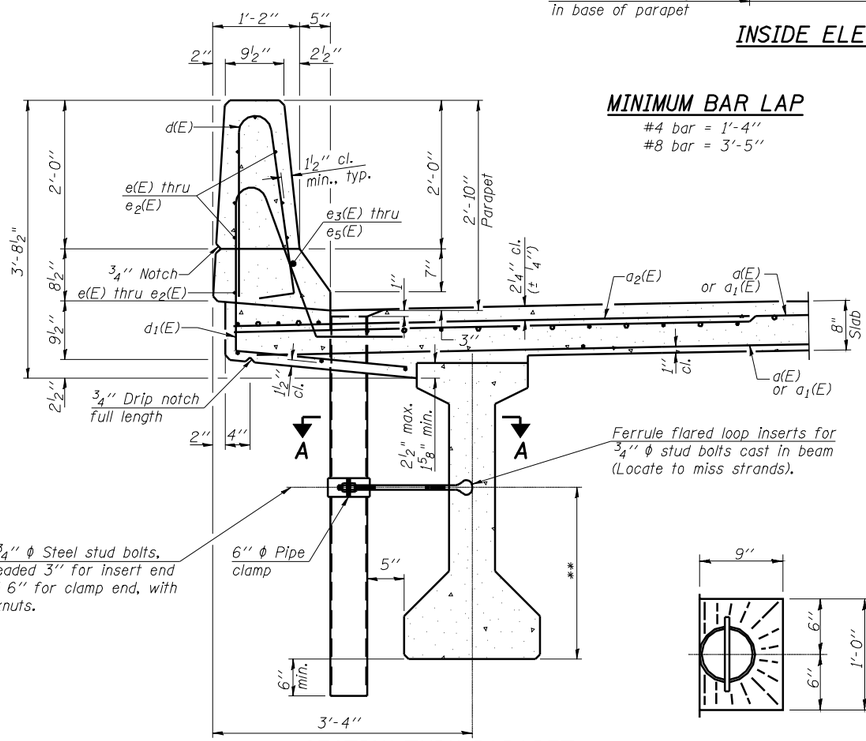



## INSIDE ELEVATION OF PARAPET

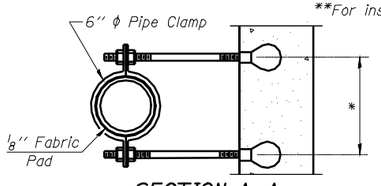



## SECTION THRU PARAPET

**For insert locations See sheet 16, 17, & 18 of 27.

## MINIMUM BAR LAP

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

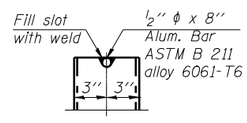



## SECTION A-A

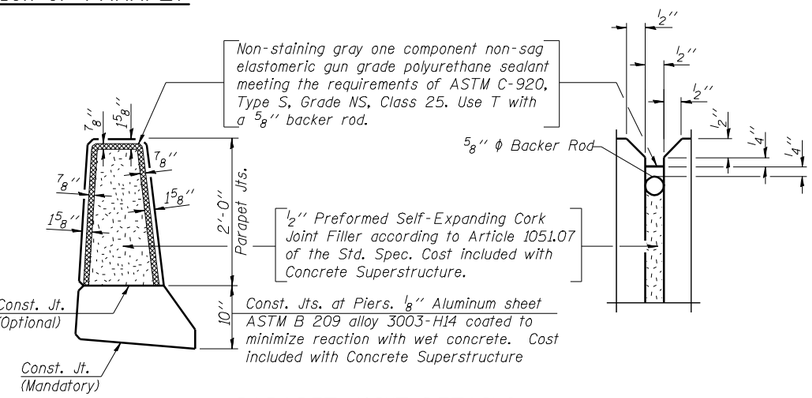
*Dimension as required by Pipe Clamp




## TOP PLAN




## ALUMINUM TUBE



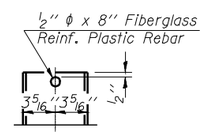

## PARAPET JOINT DETAILS

Notes:

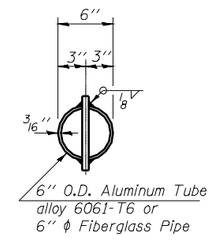
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

The exterior surfaces of the floor drains shall be coated or pigmented by the manufacturer with a color that matches the concrete.

The clamping device and inserts shall be galvanized according to AASHTO M 232.

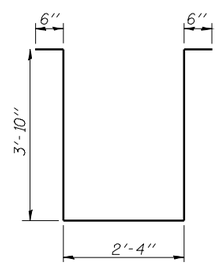



## FIBERGLASS PIPE

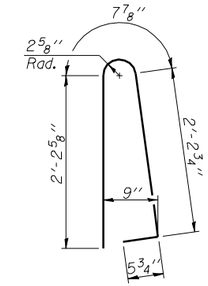



## TOP PLAN

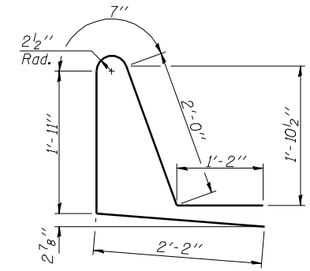
(Showing Aluminum Tube)



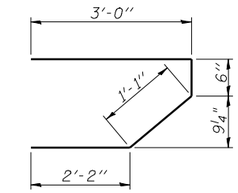

## BAR s2(E)



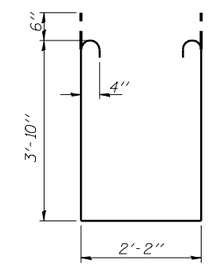

## BAR d(E)



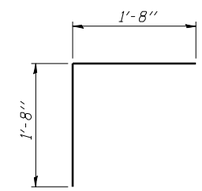

## BAR d1(E)




## BAR s(E)




## BAR s1(E)




## BAR v(E)

## SUPERSTRUCTURE BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| d(E) | 497 | #5 | 18'-6" | |
| d1(E) | 497 | #5 | 19'-6" | |
| d2(E) | 584 | #6 | 6'-0" | |
| d3(E) | 4 | #5 | 18'-9" | |
| d4(E) | 4 | #5 | 19'-9" | |
| | | | | |
| b(E) | 258 | #5 | 30'-6" | |
| b1(E) | 148 | #6 | 36'-0" | |
| b2(E) | 259 | #5 | 26'-6" | |
| | | | | |
| d(E) | 376 | #5 | 5'-7" | |
| d1(E) | 376 | #5 | 7'-10" | |
| | | | | |
| e(E) | 84 | #4 | 14'-3" | |
| e1(E) | 32 | #4 | 5'-11" | |
| e2(E) | 42 | #4 | 17'-2" | |
| e3(E) | 8 | #8 | 23'-11" | |
| e4(E) | 4 | #8 | 5'-11" | |
| e5(E) | 4 | #8 | 28'-4" | |
| e6(E) | 8 | #8 | 22'-9" | |
| e7(E) | 4 | #8 | 27'-1" | |
| e8(E) | 32 | #4 | 8'-5" | |
| e9(E) | 4 | #8 | 8'-5" | |
| | | | | |
| m(E) | 10 | #6 | 19'-0" | |
| m1(E) | 10 | #6 | 20'-0" | |
| m2(E) | 24 | #6 | 8'-9" | |
| m3(E) | 24 | #6 | 4'-3" | |
| m4(E) | 10 | #6 | 2'-1" | |
| m5(E) | 32 | #4 | 5'-10" | |
| m6(E) | 12 | #8 | 5'-10" | |
| m7(E) | 16 | #4 | 2'-4" | |
| | | | | |
| s(E) | 74 | #5 | 6'-9" | |
| s1(E) | 62 | #4 | 10'-10" | |
| s2(E) | 50 | #4 | 11'-0" | |
| | | | | |
| v(E) | 74 | #5 | 3'-4" | |
| | | | | |
| Reinforcement Bars, Epoxy Coated | | | Lbs. | 60,100 |
| Concrete Superstructure | | | Cu. Yds. | 260.1 |
| Bar Splicers | | | Each | 745 |

Bars indicated thus 1 x 3 -#5 etc. indicates 1 line of bars with 3 lengths per line.

## SUPERSTRUCTURE DETAILS
## STRUCTURE NO. 054-0514

| | | | |
|---|---|---|---|
| USER NAME: | DESIGNED - RTM | REVISED - | |
| | DRAWN - MSD | REVISED - | |
| PLOT SCALE: | CHECKED - KEB | REVISED - | |
| PLOT DATE: | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS**

SCALE: | SHEET NO. 10 OF 27 SHEETS | STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 717 | 109B-3 | LOGAN | 73 | 45 |
| | | CONTRACT NO. 72A88 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

SODEMANN AND ASSOCIATES, INC.

07100