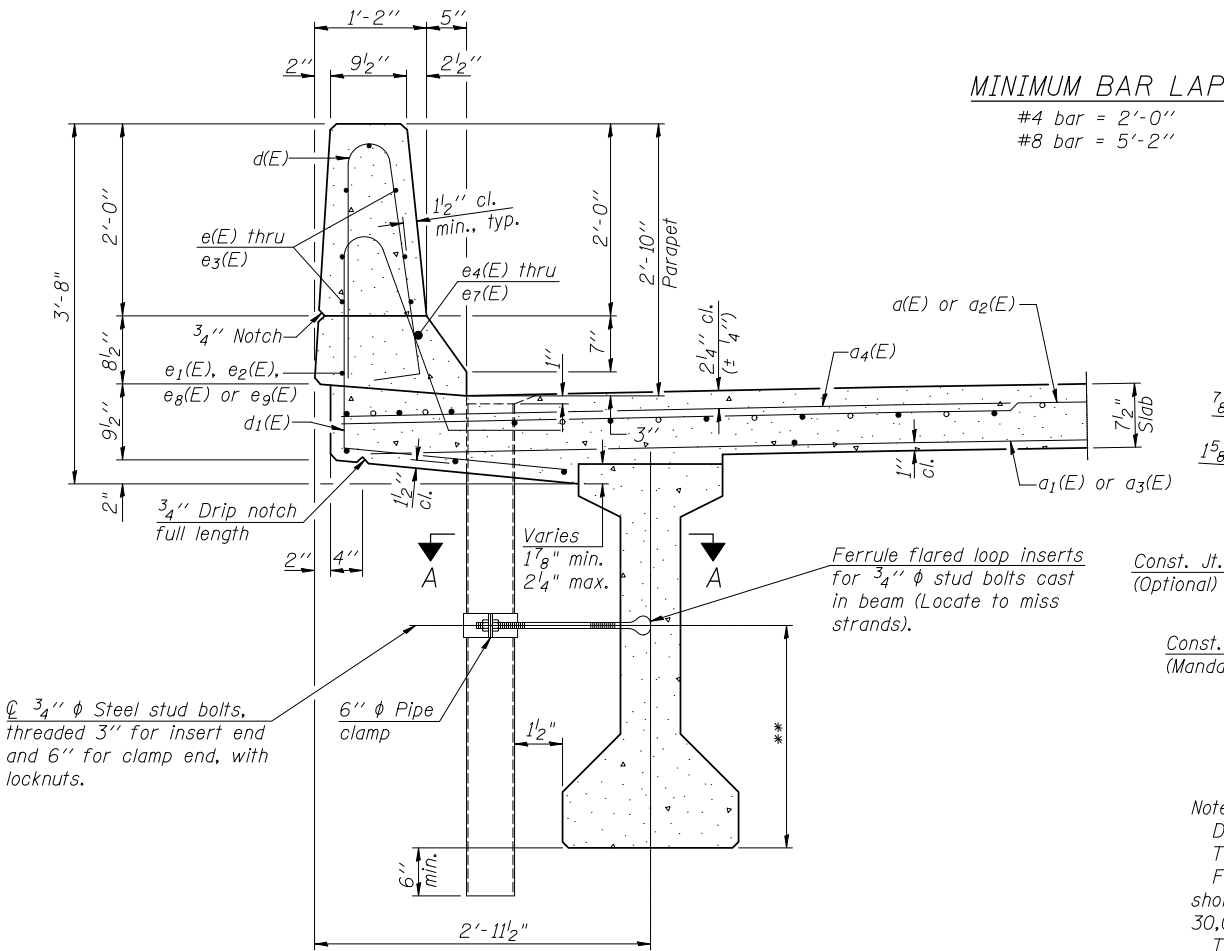
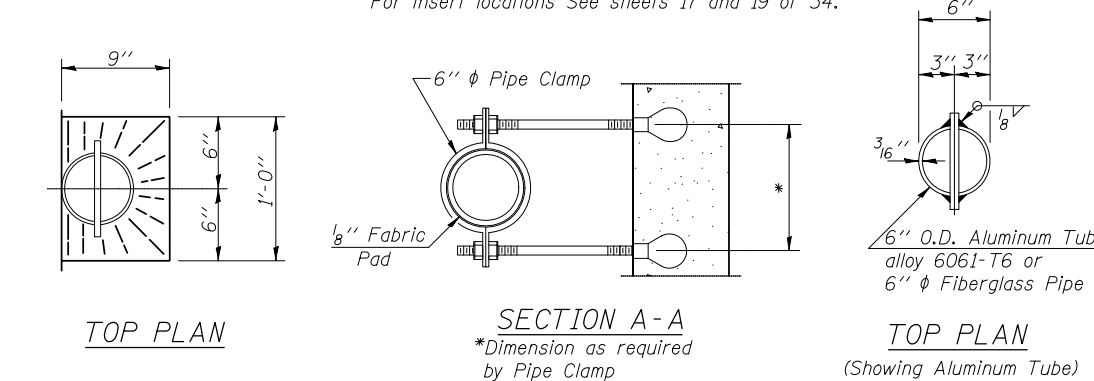


**SUPERSTRUCTURE
BILL OF MATERIAL**

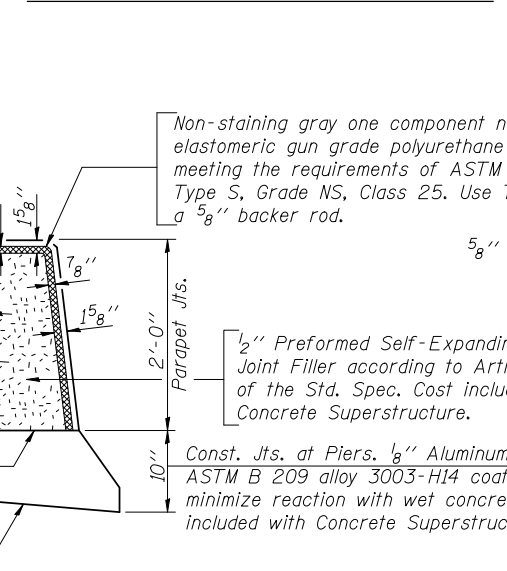
| Bar | No. | Size | Length | Shape |
|-----------------------------------|-----|----------|---------|-------|
| a(E) | 196 | #5 | 9'-3" | — |
| a ₁ (E) | 147 | #5 | 8'-10" | — |
| a ₂ (E) | 196 | #5 | 13'-3" | — |
| a ₃ (E) | 147 | #5 | 12'-10" | — |
| a ₄ (E) | 196 | #6 | 6'-6" | — |
| a ₅ (E) | 4 | #5 | 9'-7" | — |
| a ₆ (E) | 4 | #5 | 13'-7" | — |
| a ₇ (E) | 32 | #5 | 1'-6" | — |
| b(E) | 112 | #5 | 33'-1" | — |
| b ₁ (E) | 48 | #6 | 22'-0" | — |
| b ₂ (E) | 130 | #5 | 27'-1" | — |
| d(E) | 268 | #5 | 5'-7" | ⌒ |
| d ₁ (E) | 268 | #5 | 7'-8" | ⌒ |
| e(E) | 56 | #4 | 15'-6" | — |
| e ₁ (E) | 32 | #4 | 4'-2" | — |
| e ₂ (E) | 32 | #4 | 6'-1" | — |
| e ₃ (E) | 28 | #4 | 18'-8" | — |
| e ₄ (E) | 4 | #8 | 31'-4" | — |
| e ₅ (E) | 4 | #8 | 4'-2" | — |
| e ₆ (E) | 4 | #8 | 6'-1" | — |
| e ₇ (E) | 2 | #8 | 37'-7" | — |
| e ₈ (E) | 4 | #4 | 31'-4" | — |
| e ₉ (E) | 2 | #4 | 37'-7" | — |
| m(E) | 10 | #6 | 6'-9" | — |
| m ₁ (E) | 6 | #6 | 10'-11" | — |
| m ₂ (E) | 4 | #6 | 7'-8" | — |
| m ₃ (E) | 2 | #6 | 2'-9" | — |
| m ₄ (E) | 4 | #6 | 1'-11" | — |
| m ₅ (E) | 2 | #6 | 1'-10" | — |
| m ₆ (E) | 10 | #6 | 3'-3" | — |
| m ₇ (E) | 8 | #6 | 7'-2" | — |
| m ₈ (E) | 4 | #6 | 11'-10" | — |
| m ₉ (E) | 16 | #4 | 4'-3" | — |
| m ₁₀ (E) | 6 | #8 | 5'-6" | — |
| m ₁₁ (E) | 4 | #6 | 4'-3" | — |
| m ₁₂ (E) | 8 | #4 | 5'-4" | — |
| s(E) | 34 | #5 | 6'-10" | ⌒ |
| s ₁ (E) | 30 | #4 | 9'-9" | ⌒ |
| s ₂ (E) | 26 | #4 | 9'-9" | ⌒ |
| v(E) | 36 | #5 | 3'-9" | ⌒ |
| Reinforcement Bars (Epoxy Coated) | | Lbs. | 26,140 | |
| Concrete Superstructure | | Cu. Yds. | 122.9 | |
| Concrete Removal | | Cu. Yds. | 56.6 | |
| Mechanical Splicers | | Each | 686 | |
| Bar Splicers | | Each | 44 | |
| Bridge Deck Grooving | | Sq. Yds. | 406 | |
| Protective Coat | | Sq. Yds. | 583 | |
| Floor Drains | | Each | 4 | |



SECTION THRU PARAPET
**For insert locations See sheets 17 and 19 of 34.



MINIMUM BAR LAP
#4 bar = 2'-0"
#8 bar = 5'-2"



PARAPET JOINT DETAILS

Notes:
Drains shall be located clear of all diaphragms. The Floor Drains need not be painted. 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. Cost of clamping device and galvanizing included with Floor Drains.

