CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL

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ALTRENE REINFORCING (WELDED WIRE REINF.) DETAILS

NOTE: Place wire panels to minimize the end overhang. End Overhangs greater than 4 3/4" are not permitted.

CMB REINFORCING STEEL NOTES:
1. All bar dimensions in the bending diagrams are out to out.
2. The reinforcement for the curb on a retaining wall shall be the same as detailed for an 8" deck.
3. All reinforcing steel at the open joints shall have a 2" minimum cover.
4. Bars 45 may be continuous or spliced at the construction joints. Bar splices for Bars 45 shall be a minimum of 1'-9".
5. At the option of the Contractor Welded Wire Reinforcement (WWR) may be used in lieu of all Bars 4P and 45, WWR must consist of Deformed wire meeting the requirements of Specifications Section 931.

WELDED WIRE REINFORCEMENT (WWR)

1/8" Ø Holes for Anchor Bolts

1/4" Ø Stiffener

1 1/8" x 1 1/2" Long Slotted Hole

L8 x 6 x 1/2" Angle Assembly

DETAIL "A" - SECTION AT INTERMEDIATE OPEN JOINT

INTERMEDIATE JOINT SEAL NOTE:
At Intermediate Open Joints, seal the lower 6" portion of the open joint with Pre-cured Silicone Sealant in accordance with Specification Section 932. Apply sealant prior to any Class V finish coating and remove all curing compound and loose material from the surface prior to application of bonding agent.

PLATE WASHER DETAIL

1 1/8" Ø x 3" ASTM A307 Bolts with Self-Locking Hex Nut, Flat Washer under Nut and Plate Washer under Head

1/2" Ø Core Drilled Hole

Scheme 1 - Bottle Guard Detail

Scheme 2 - Concrete Curb Details

Concrete Curb

Reinforcing Steel

Estimated Concrete Curb Quantities (Scheme 2)

Item
Concrete

Unit
CY/FT

Quantity
6.024

Scheme 3 - Side-Mounted Support Bracket Details

Cross Reference:
See Sheet 3 for Bridge Railing Notes.

Scheme 3 - Bottle Guard Detail

Typical Section Through Bottom Rail (Post Not Shown for Clarity)
ROUND RAILS - TOP RAIL OR HANDRAIL

- 1" NPS (Sch. 40) for handrails
- 1-1/2" x 1-1/2" Pan Head Aluminum (Alloy 7075-T73) or Stainless Steel (Type 316 or 18-8 Alloy) Set Screws along outside face of railing.
- Increase handrail sleeve embedment to 8" for Expansion Joint openings greater than 2".
- Expansion joint opening shall match the clear opening in the deck joint but not greater than 3'.

SAFETY NOTE: Install Support Brackets ( Scheme 3) in a manner that will not allow a vertical angle of more than 6°.