

ALTERNATE REINFORCING STEEL (WELDED WIRE REINFORCEMENT) DETAILS Bars 5Y (12 Required) -Wires D31 (shown $11 \sim D16's @ 6'' sp. = 5'-0''$ D16's @ 1'-0" sp. (shown as (●) Typ.) as(O) Typ.) End of Varies Varies 9" Max. Beam Optional W6.4 W6.4 1'-0" Max. Optional W6.4 _ W6.4 W6.4 - D16 Optional W6.4 D16 -16.......... 1" extension W6.4-(Typ.)21/4" Cover −Pieces K-1 Pieces K-2 (Offset) SECTION A-A PLAN VIEW PLAN VIEW FOR WELDED WIRE REINFORCEMENT PIECES M PIECE M-3 PIECE M-1 $5'' \pm | Piece M-1 ties$ - Match spacing of END VIEW (2 Required) (2 Required) Pieces S (Single Mat) Tied adjacent Piece S-1, to Piece K-2to Strands at @ Beam) S-2, S-3 or S-4 $8 \sim D25's (FF) @ 6'' = 3'-6"$ Pieces M-3 S1 ~ D25's @ V1 sp. (Piece S-1 shown) End of Beam — 5 ~ D31's @ $8 \sim D25's$ (BF) @ 6'' = 3'-6''S2 ~ D25's @ 9" sp. (Piece S-2) S3 ~ D25's @ 1'-0" sp. (Piece S-3) $3\frac{1}{2}$ " sp. = 2" Cover S4 ~ D25's @ 1'-6" sp. (Piece S-4) 1'-2" 3" Offset 25/8" Cover (Typ.) $3\frac{3}{4}$ " ± Varies 9" Max (Typ.)PARTIAL SECTION AT CENTER BEAM Pieces K (Pairs) Pieces M-1 W12.4 (Piece K-1) W10 (Pieces K-2 & S) W10) - D31 (Piece K-1) 2" Cover D25 (Pieces K-2 & S) 21/4" Cover 01 (Typ.)(2" Min.) (W12.4 ⊊ Geam (WWR -W12.4 (Piece K-1) Symmetrical) W10 (Pieces K-2 & S) Pieces D Cover (Pairs) 1" extension (Typ.) PIECES K & S PIECE K-2 PIECE S-1, S-2, S-3 or S-4 PIECE K-1 END VIEW (Aligned EF) (FF Shown Solid, BF Shown Dashed) (2 Required Each Piece) PARTIAL BEAM END VIEW (Conventional Reinforcing Bars A, C, Y (4 Required (4 Required) Piece D-1 ties and Strands not Shown for Clarity) ~ 2 Pairs) to Piece K-1 -NOTES: 5 ~ D11's @ $8 \sim D11's @ 6'' sp. = 3'-6''$ D11's @ 1'-6" spaces a. See Sheet 1 for placement details & Table of Beam Variables $3\frac{1}{2}$ " sp. = in Structures Plans for variables S1, S2, S3, S4 & V1. Varies 1'-6" Max. Varies 9" Max 1'-2" -W4.4 b. Place Conventional Reinforcement Bars 5A & 3C as shown on Sheet 1. Place additional Bars 5Y as shown in Section A-A for Welded Wire Reinforcement. Bars 5Z will not be used with the WWR Option. c. Pieces may be fabricated in multiple length sections. d. For beams with skewed end conditions, Pieces D-1, D-2 & 31/4" └ D11 (Typ. Pieces M-1 shall not be used; Conventional Reinforcement Bars D1, —- | → 1" extension (Typ.) LEGEND: 1'-111½" D-1, D-2 & D-3) D2, C1, C2, M1 & M2 shall be used. See Index No. 20010 EF = Each FaceSkew Details and Note 9 for placement details. Shift FF = Front Face PIECE D-1 PIECE D-2 PIECE D-3 PIECES D Pieces K & Bars 5Y to accommodate skewed end BF = Back Face(4 Required ~ 2 Pairs) (4 Required ~ 2 Pairs) (4 Required ~ 2 Pairs) conditions and align with Bars C and D. END VIEW DESCRIPTION: INDEX SHEET 2016 **REVISION** NO. NO. **FDOT** FLORIDA-I 45 BEAM - STANDARD DETAILS **DESIGN STANDARDS** 07/01/10 20045 2 of 2