

## ALTERNATE REINFORCING STEEL (WELDED WIRE REINFORCEMENT) DETAILS Bars 5Y (16 Required) -Wires D31 (shown $19 \sim D16's @ 6'' sp. = 9'-0''$ D16's 1'-0" sp. 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 -21/4" Cover W6.4 Pieces K-1 Pieces K-2 1" extension (Offset) (Typ.)SECTION A-A PLAN VIEW PLAN VIEW FOR WELDED WIRE REINFORCEMENT 5½" ± PIECE M-3 PIECES M PIECE M-1 Piece M-1 tied Match spacing of END VIEW (2 Required) (2 Required) adjacent Piece S-1, Pieces S (Single Mat) Tied to Piece K-2 S-2, S-3 or S-4 to Strands at @ Beam) 15 ~ D25's (FF) @ 6" = 7'-0" S1 ~ D25's @ V1 sp. (Piece S-1 shown) End of Beam -6 ~ D31's @ 31/3" $15 \sim D25's (BF) @ 6'' = 7'-0''$ S2 ~ D25's @ 9" sp. (Piece S-2) $sp. = 1'-5\frac{1}{2}"$ S3 ~ D25's @ 1'-0" sp. (Piece S-3) S4 ~ D25's @ 1'-6" sp. (Piece S-4) 2" Cover 3" Offset 25/8" Cover (Typ.) Varies 9" Max. 3¾" ± (Typ.)(Typ.)PARTIAL SECTION AT CENTER BEAM Pieces K (Pairs) ~W12.4 (Piece K-1) Pieces M-1 W10 (Pieces K-2 & S) W10) → D31 (Piece K-1) D25 (Pieces K-2 & S) 2" Cover Wires (W12.4 or 21/4" Cover -W12.4 (Piece K−1) \_\_\_Q Beam (WWR δ Symmetrical) W10 (Pieces K-2 & S) Pieces D Piece Cover (Pairs) Cross 1" extension (Typ.) PIECES K & S PIECE K-1 PIECE K-2 PIECE S-1, S-2, S-3 or S-4 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 N not Shown for Clarity) 2 Pairs) to Piece K-1— NOTES: $6 \sim D11's @ 3\frac{1}{2}"$ 1'-3" $15 \sim D11's @ 6'' sp. = 7'-0''$ D11's @ 1'-6" spaces a. See Sheet 1 for placement details & Table of Beam Variables $sp. = 1'-5\frac{1}{2}$ " Varies 1'-6" Max. in Structures Plans for variables S1, S2, S3, S4 & V1. Varies 9" Max $\sim$ W4.4 b. Place Conventional Reinforcement Bars 6A & 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, D-1, D-2 & D-3) LEGEND: 1'-111/2" D2, C1, C2, M1 & M2 shall be used. See Index No. 20010 EF = Each FaceSkew Details and Note 9 for placement details. Shift Pieces K FF = Front Face PIECE D-2 PIECE D-3 PIECE D-1 PIECES D & Bars 5Y to accommodate skewed end conditions and align BF = Back Face(4 Required ~ 2 Pairs) (4 Required ~ 2 Pairs) (4 Required ~ 2 Pairs) END VIEW with Bars C and D. DESCRIPTION: INDEX SHEET FY 2016-17 **REVISION** NO. NO. FDOT FLORIDA-I 84 BEAM - STANDARD DETAILS DESIGN STANDARDS 07/01/10 20084 2 of 2