

## 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. (shown as ( $\bullet$ ) Typ.) $as(\bigcirc)$ Typ.) End of Varies Varies 9" Beam Optional W6.4 1'-0" Max. Optional W6.4 W6.4 D16-Optional W6.4 D16 −2¼" 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-1 PIECE M-3 PIECES M Match spacing of Piece M-1 tied 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) $15 \sim D25's (FF) @ 6'' = 7'-0''$ S1 ~ D25's @ V1 sp. (Piece S-1 shown) Pieces M-3 End of Beam — ~ D31's @ 31/2" $15 \sim D25's$ (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) 2" Cover S4 ~ D25's @ 1'-6" sp. (Piece S-4) 3" Offset 25/8" Cover (Typ.)3¾" ± Varies 9" Max (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 Or 21/4" Cover (W12.4 -W12.4 (Piece K−1) \_⊊ Beam (WWR W10 (Pieces K-2 & S) Symmetrical) Pieces D Piece Cover (Pairs) - 1" extension (Typ.) PIECES K & S PIECE S-1, S-2, S-3 or S-4 PIECE K-1 PIECE K-2 PARTIAL BEAM END VIEW (FF Shown Solid, BF Shown Dashed) END VIEW (Aligned EF) (2 Required Each Piece) (4 Required ~ (Conventional Reinforcing Bars A, C, Y (4 Required) Piece D-1 ties and Strands N not Shown for Clarity) 2 Pairs) to Piece K-1-NOTES: ~ D11's @ 3½" $15 \sim D11's @ 6'' sp. = 7'-0'$ 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. D11b. 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 & /\_ D11 (Typ. Pieces M-1 shall not be used; Conventional Reinforcement Bars D1, - 1" extension (Typ.) 1'-111/2" LEGEND: 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 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) with Bars C and D. END VIEW **REVISIONS** Interim 2010 Interim Design Standard Sheet No. Date DESCRIPTION 07/01/10 2 of 2 SJN New Design Standard FLORIDA-I 84 BEAM - STANDARD DETAILS 20084