

ALTERNATE REINFORCING STEEL (WELDED WIRE REINFORCEMENT) DETAILS Bars 5Y (12 Required) -Wires D31 (shown $12 \sim D16$'s @ 6" sp. = 5'-6" D16's ~ @ 1'-0" sp. (shown as (lacktriangle) Typ.) as (O) Typ.) End of Varies 9" Max. Varies Beam W6.4 1'-0" Max D16 -1" extension (Typ.) =· 2½'' Cover Pieces K-1 Pieces K-2 (Offset) -SECTION A-A PLAN VIEW PLAN VIEW FOR WELDED WIRE REINFORCEMENT PIECES M PIECE M-1 PIECE M-3 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-2-S-2, S-3 or S-4to Strands at © Beam) $9 \sim D25's (FF) @ 6'' = 4'-0''$ S1 ~ D25's @ V1 sp. (Piece S-1 shown) Pieces M-3-End of Beam — $9 \sim D25$'s (BF) @ 6'' = 4'-0''5 ~ D31's @ S2 ~ D25's @ 9" sp. (Piece S-2) $S3 \sim D25's @ 1'-0'' sp. (Piece S-3)$ $3^{1}/_{2}$ " sp. = 2" Cover $S4 \sim D25's @ 1'-6'' sp. (Piece S-4)$ 1'-2" 3" Offset (Typ.)Varies 9" Max. (Typ.)(Typ.) PARTIAL SECTION AT CENTER BEAM Pieces K (Pairs) -W12.4 (Piece K-1) Pieces M-W10 (Pieces K-2 & S) W10) -834 -D31 (Piece K-1) 0 D25 (Pieces K-2 & S) Cover € Beam (WWR -W12.4 (Piece K−1) Symmetrical) W10 (Pieces K-2 & S) Pieces D (Pairs) 1" extension (Typ.) PIECES K & S PIECE K-2 PIECE S-1, S-2, S-3 or S-4 PIECE K-1 PARTIAL BEAM END VIEW END VIEW (Aligned EF) (FF Shown Solid) (2 Required Each Piece) (4 Required (BF Shown Dashed) (Conventional Reinforcing Bars A, C, L, Y Piece D-1 ties ~ 2 Pairs) (4 Required) and Strands not Shown for Clarity) to Piece K-1 -5 ~ D11's @ $9 \sim D11's @ 6'' sp. = 4'-0''$ D11's @ 1'-6" spaces a. See Sheet 1 for placement details & Table of Beam $3^{1}/_{2}$ " sp. = Variables in Structures Plans for variables S1, S2, S3, Varies 1'-6" Max. Varies 9' S4 & V1. b. Place Conventional Reinforcement Bars 5A, 3C & 4L 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 → - 1" extension (Typ.) 1'-111/2" LEGEND: M-1 shall not be used; Conventional Reinforcement Bars D1, D-1, D-2 & D-3) EF = Each FaceD2. C1. C2. M1 & M2 shall be used. See Index No. 20010 FF = Front Face PIECE D-2 Skew Details and Note 9 for placement details. Shift PIECE D−1 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) END VIEW conditions and align with Bars C and D. **REVISIONS** 2010 Interim Design Standard Sheet No. 01/01/10 2 of 2 RMS New Design Standard 20054 FLORIDA-I 54 BEAM - STANDARD DETAILS