**FLORIDA-I 45 BEAM - STANDARD DETAILS**

**SECTION A-A FOR CONVENTIONAL REINFORCING**

- **Beams 5K, 5Y & 5Z Only**

**CONVENTIONAL REINFORCING BAR BENDING DETAILS**

**BILL OF REINFORCING STEEL**

**NOTES:**

A. Work this Index with Index No. 20010 – Typical Florida-I Beam Details and Notes and the Florida-I Beam – Table of Beam Variables in Structures Plans.

B. For referenced notes, see Index No. 20010.

C. For Dimensions A, B, C, D, L, R & V1 and number of spacers 5L thru 54, see Florida-I Beam – Table of Beam Variables in Structures Plans.

**DIM L = Beam Casting Length**

(Overall) Length of Beam along Beam including length increase as required for Beam placed on grade and DIM R to compensate for elastic and time dependent shortening effects)

**Direction of Stationing**
ALTERNATE REINFORCING STEEL (WELDED WIRE REINFORCEMENT) DETAILS

PLAN VIEW
PIECE M-1 (2 Required)

PLAN VIEW
PIECE M-3 (2 Required)

PLAN VIEW
PIECE S-1, S-2, S-3 or S-4

END VIEW
PIECES D END VIEW

END VIEW
PIECES K & S END VIEW

END VIEW
PIECES M END VIEW

PARTIAL SECTION AT CENTER BEAM

SECTION A-A
FOR WELDED WIRE REINFORCEMENT

NOTES:

a. See Sheet 1 for placement details & Table of Beam Variables in Structures Plans for variables S1, S2, S3, S4 & V1.
b. Place Conventional Reinforcement Bars D1, D2, C1, C2, M1 & M2 as shown on Sheet 1. Place additional Bars 5Y as shown on Sheet 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.

a. See Sheet 1 for placement details & Table of Beam Variables in Structures Plans for variables S1, S2, S3, 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 & D-3 shall not be used. Conventional Reinforcement Bars D1, D2, C1, C2, M1 & M2 shall be used. See Index No. 20010 Skew Details and Note 9 for placement details. Shift Pieces K & Bars 5Y to accommodate skewed end conditions and align with Bars C and D.

SECTION A-A
FOR WELDED WIRE REINFORCEMENT

PIECES M-1 (2 Required)

PIECES S-1, S-2, S-3 or S-4

Partial Beam End View

Conventional Reinforcement Bars A, C, L, Y and Strands not shown for clarity.

11 ~ D16's @ 6" sp. = 5'-0"

8 ~ D16's @ 6" sp. = 3'-6"

5 ~ D25's @ 6" sp. = 3'-6"

S1 ~ D25's @ 1'-0" sp. (Piece S-3)

S2 ~ D25's @ 1'-6" sp. (Piece S-4)

D11's @ 1'-6" spaces

DII's @ 1'-6" spaces

Wires D31 (shown as ( ) Typ.)

Wires D31 (shown as ( ) Typ.)