**FLORIDA-I 72 BEAM - STANDARD DETAILS**

**Conventional Reinforcing Bar Bending Details**

**Bill of Reinforcing Steel**

**Conventional Reinforcing Bar Bending Details**

**Flared Diaphragm Inserts (shown dotted)**

**Elevation at End of Beam**

**Beam Dimensions**

**Section A A for Conventional Reinforcing**

(showing Bars 5K, 5Y & 5Z Only)

**End View**

**Beam - Table of Beam Variables in Structures Plans.**

**Florida-I Beam - Table of Beam Variables in Structures Plans.**

**Florida-I Beam Details and Notes and the Index 20010 - Typical Bar Bending Details.**

**NOTES:**

A. Work this Index with Index 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 20010.

C. For dimensions A, B, C, D, L, R & V1 and number of spaces S1 thru S4, see Florida-I Beam - Table of Beam Variables in Structures Plans.

**DESIGN STANDARDS**

**FY 2017-18**
ALTERNATE REINFORCING STEEL (WWR) DETAILS

PLAN VIEW

PIECE M-1
(2 Required)

PIECE M-3
(2 Required)

PLAN VIEW

PIECE K-1
(Aligned EF)

(4 Required ~ 2 Pairs)

PIECE K-2
(FF Shown Solid, BF Shown Dashed)

(4 Required)

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

(2 Required ~ Each Piece)

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 A, C, Y and Strands not Shown for Clarity.
c. Pieces may be fabricated in multiple length sections.
d. For beams with skewed end conditions, Pieces D-1, D-2 & M-1 shall not be used; Conventional Reinforcement Bars D1, D2, C1, C2, M1 & M2 shall be used. See Index 20010 Skewed Beam End Details and Note 9 for placement details. Shift Pieces K & Bars 5Y to accommodate skewed end conditions and align with Bars C and D.

END OF BEAM

D16's @ 1'-0" sp. (shown as ( ) Typ.)

Gross Average @ (WWR Symmetrical)

 Bars 5Y (16 Required)

Wires D11 (shown as ( ) Typ.)

PIECES M-1
(2 Required)

W12.4 (Pieces K-1 & S)
D11 (Pieces K-1 & S)

W10 (Pieces K-2 & S)

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

(2 Required ~ Each Piece)

LEGEND:

EF = Each Face

FF = Front Face

BF = Back Face

PIECES M-3
(2 Required)

17 – D16's @ 6" sp. – 8'-0"

PIECES M-1
(2 Required)

W10 (Pieces K-2 & S)

D11 (Pieces K-1, K-2 & S)

PIECES K & S

END VIEW

PIECE D-1
(4 Required ~ 2 Pairs)

PIECE D-2
(4 Required ~ 2 Pairs)

PIECE D-3
(4 Required ~ 2 Pairs)

ALTERNATE REINFORCING STEEL (WWR) DETAILS

END VIEW

PIECES D

END VIEW

PIECES M

END VIEW

PIECES K

END VIEW

PIECES S

END VIEW

PIECES K & S

END VIEW

PIECES K & S

END VIEW

PIECES D

END VIEW

PIECES M

END VIEW

PIECES K

END VIEW

PIECES S

END VIEW

PIECES K & S

END VIEW

PIECES D

END VIEW

PIECES M

END VIEW

PIECES K

END VIEW

PIECES S

END VIEW

PIECES K & S

END VIEW

PIECES D

END VIEW

PIECES M

END VIEW

PIECES K

END VIEW

PIECES S

END VIEW

PIECES K & S

END VIEW

PIECES D

END VIEW

PIECES M

END VIEW

PIECES K

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PIECES S

END VIEW

PIECES K & S

END VIEW

PIECES D

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PIECES M

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PIECES K

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PIECES S

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PIECES K & S

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PIECES S

END VIEW

FLORIDA-1 72 BEAM - STANDARD DETAILS