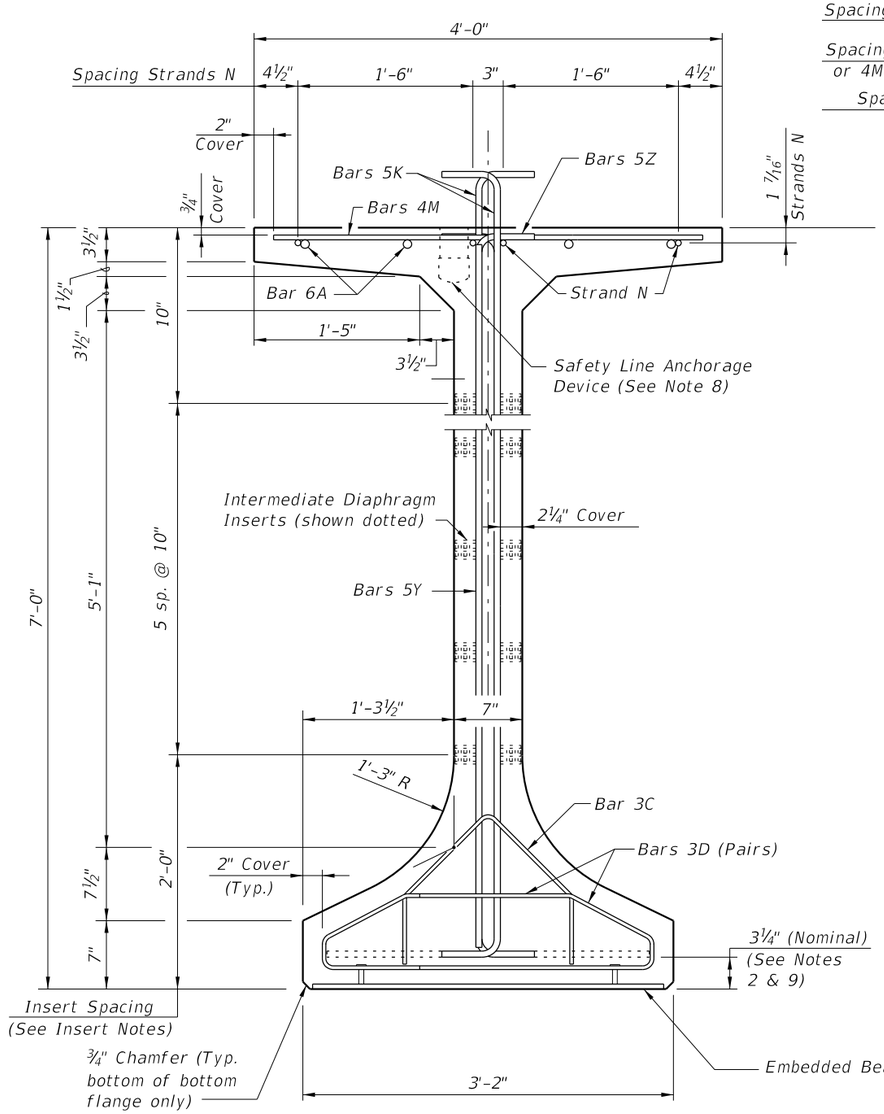
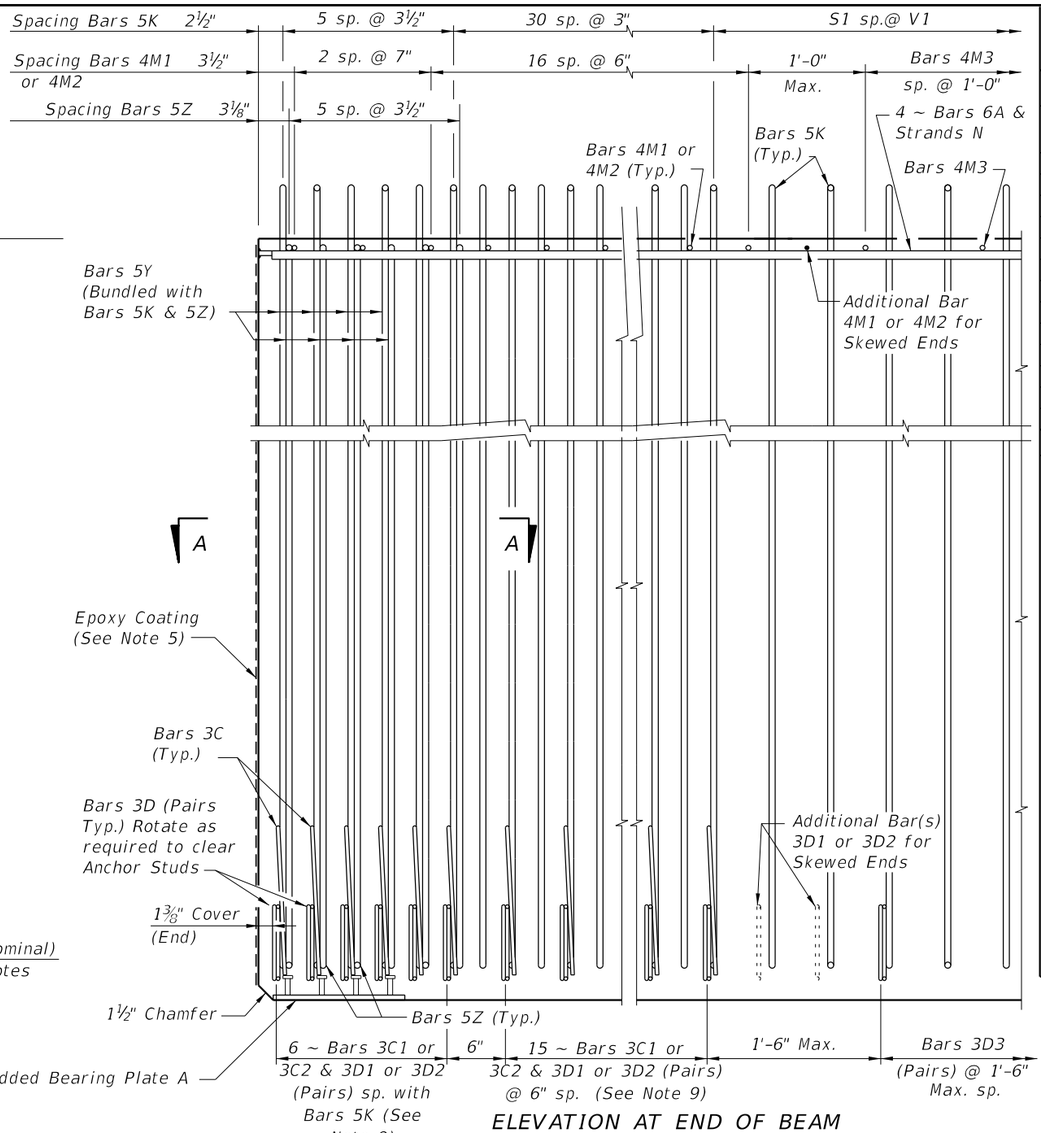
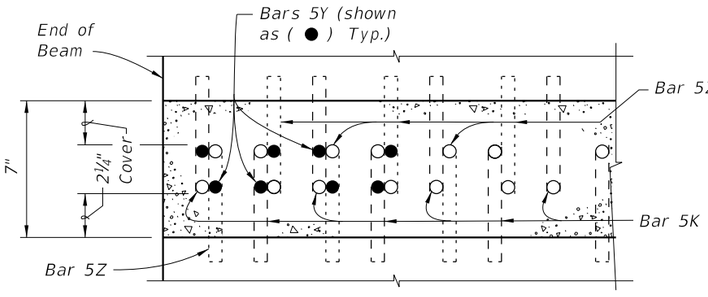


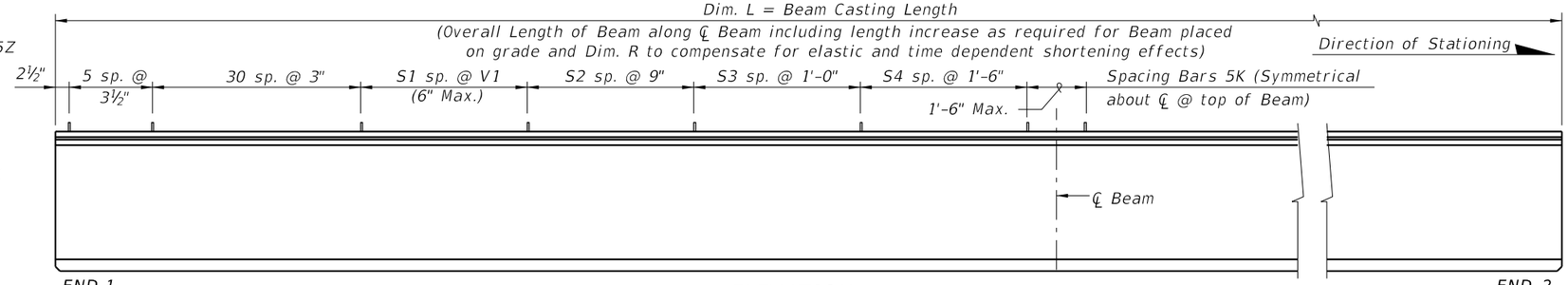

END VIEW




ELEVATION AT END OF BEAM
(Flanges Not Shown For Clarity)
(End 1 Shown, End 2 Similar)




SECTION A-A FOR CONVENTIONAL REINFORCING
(Showing Bars 5K, 5Y & 5Z Only)



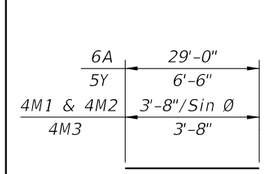

ELEVATION

# CONVENTIONAL REINFORCING BAR BENDING DETAILS

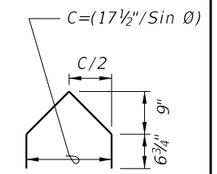
## BILL OF REINFORCING STEEL

| MARK | NOTE NUMBERS | SIZE | NUMBER REQUIRED | LENGTH (NOTE 1) |
|---|---|---|---|---|
| A | — | 6 | 8 | 29'-0" |
| C1 | 9, 10 & 11 | 3 | 21 (End 1) | Varies |
| C2 | 9, 10 & 11 | 3 | 21 (End 2) | Varies |
| D1 | 9, 10, 11 & 14 | 3 | 42 (End 1) | Varies |
| D2 | 9, 10, 11 & 14 | 3 | 42 (End 2) | Varies |
| D3 | 9 & 14 | 3 | See Table | 4'-3" |
| K | 2, 9, 11 & 13 | 5 | See Table | 8'-2" |
| M1 | 9 & 10 | 4 | 19 (End 1) | Varies |
| M2 | 9 & 10 | 4 | 19 (End 2) | Varies |
| M3 | 9 | 4 | See Table | 3'-8" |
| N | 3 & 4 | ½" Ø Strand | 4 | Dim. L |
| Y | 9 & 11 | 5 | 16 | 6'-6" |
| Z | 2, 9, 11 & 13 | 5 | 12 | 7'-8" |

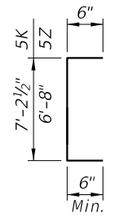
## BENDING DIAGRAMS (See Note 1)



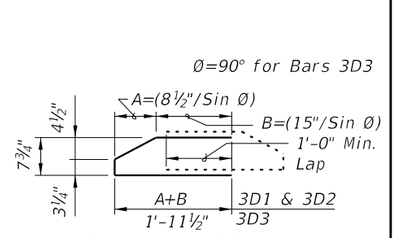

BARS 6A, 4M1, 4M2, 4M3 & 5Y




BARS 3C1 & 3C2




BARS 5K & 5Z




BARS 3D1, 3D2 & 3D3

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 spaces S1 thru S4, see Florida-I Beam – Table of Beam Variables in Structures Plans.

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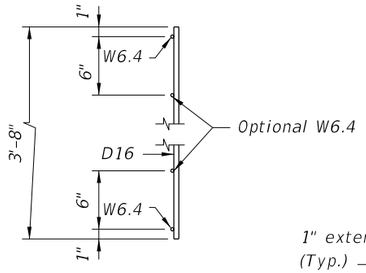
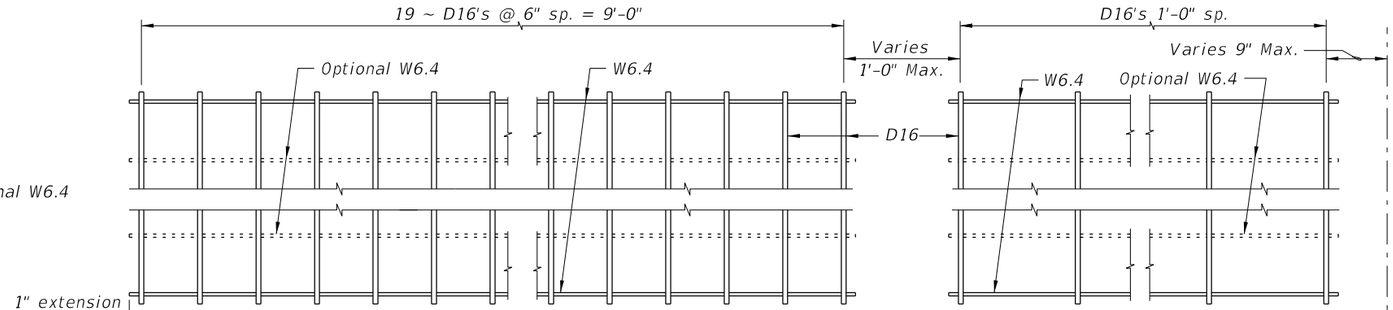
| LAST REVISION | REVISION | DESCRIPTION: | | | |
|---|---|---|---|---|---|
| 07/01/12 | | | FY 2016-17 DESIGN STANDARDS | FLORIDA-I 84 BEAM - STANDARD DETAILS | INDEX NO. 20084 / SHEET NO. 1 of 2 |

# ALTERNATE REINFORCING STEEL (WELDED WIRE REINFORCEMENT) DETAILS

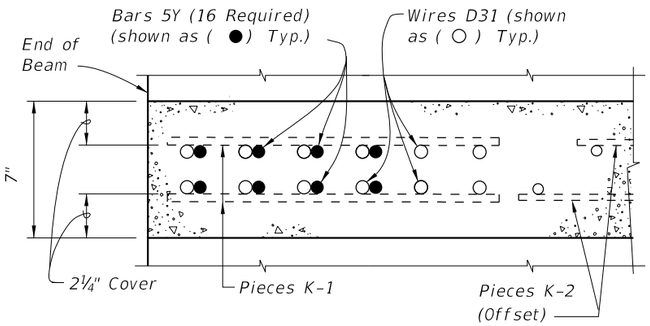



PIECES M
END VIEW

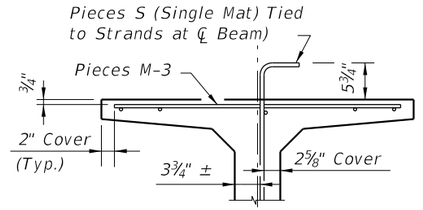



PLAN VIEW
PIECE M-1
(2 Required)

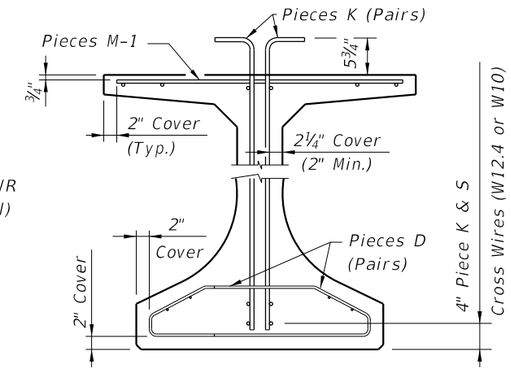
PLAN VIEW
PIECE M-3
(2 Required)



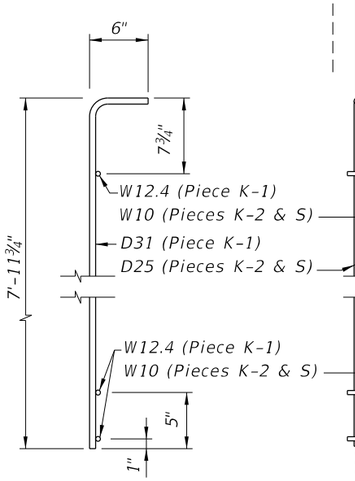

SECTION A-A
FOR WELDED WIRE REINFORCEMENT



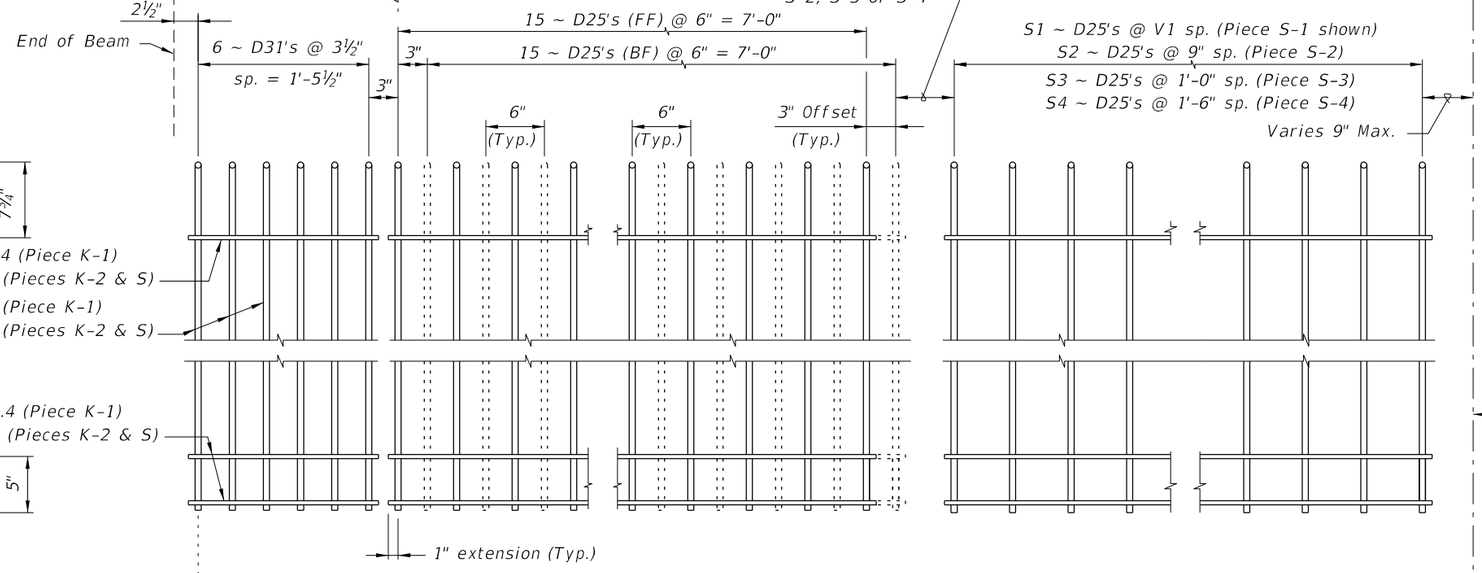

PARTIAL SECTION AT CENTER BEAM




PARTIAL BEAM END VIEW
(Conventional Reinforcing Bars A, C, Y
and Strands N not Shown for Clarity)



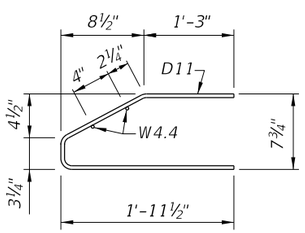

PIECES K & S
END VIEW



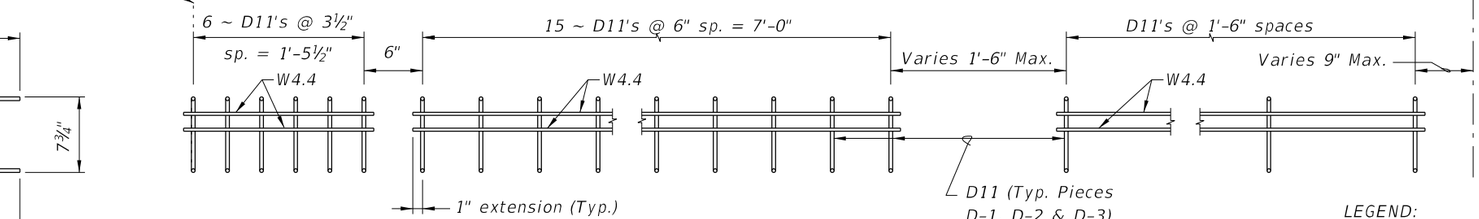

PIECE K-1
(Aligned EF)
(4 Required ~
2 Pairs)

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)




PIECES D
END VIEW




PIECE D-1
(4 Required ~ 2 Pairs)

PIECE D-2
(4 Required ~ 2 Pairs)

PIECE D-3
(4 Required ~ 2 Pairs)

LEGEND:
EF = Each Face
FF = Front Face
BF = Back Face

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 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 & M-1 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.

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| LAST REVISION | REVISION | DESCRIPTION: | | | |
|---|---|---|---|---|---|
| 07/01/10 | | | FY 2016-17 DESIGN STANDARDS | FLORIDA-I 84 BEAM - STANDARD DETAILS | INDEX NO. 20084 / SHEET NO. 2 of 2 |