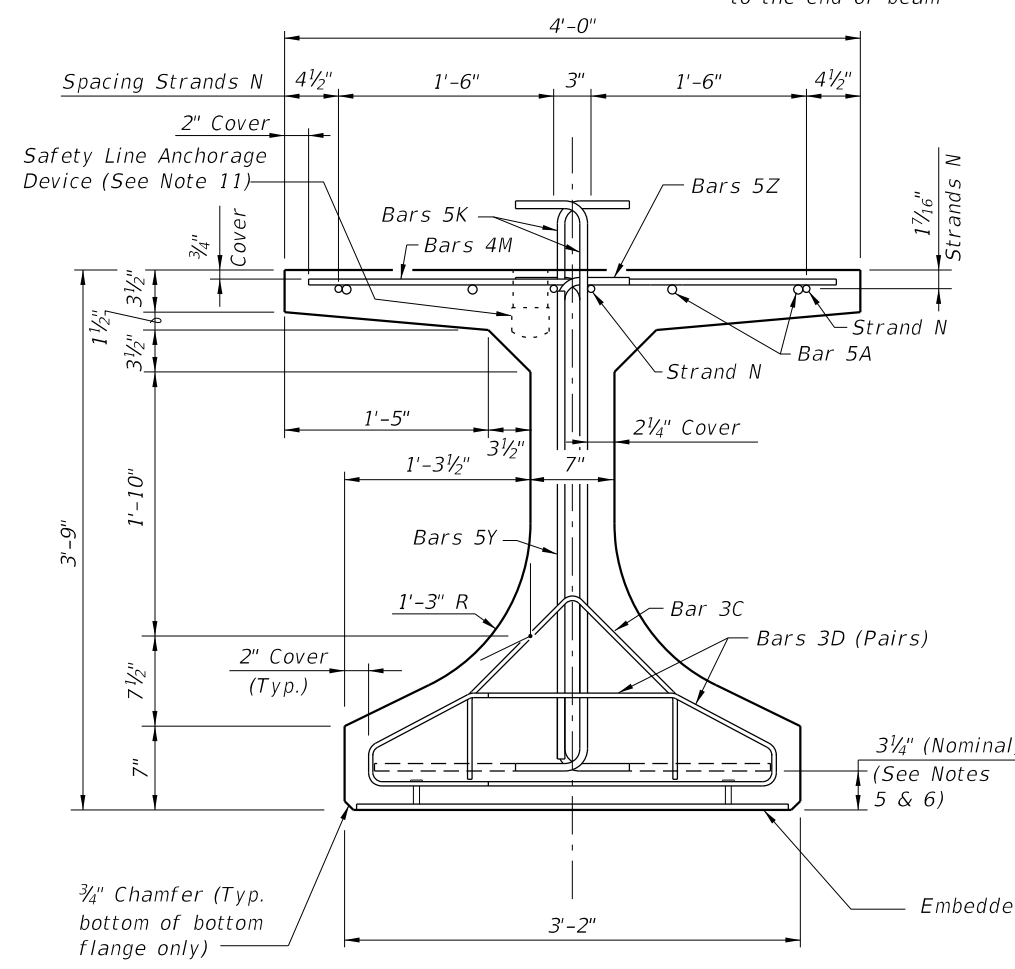
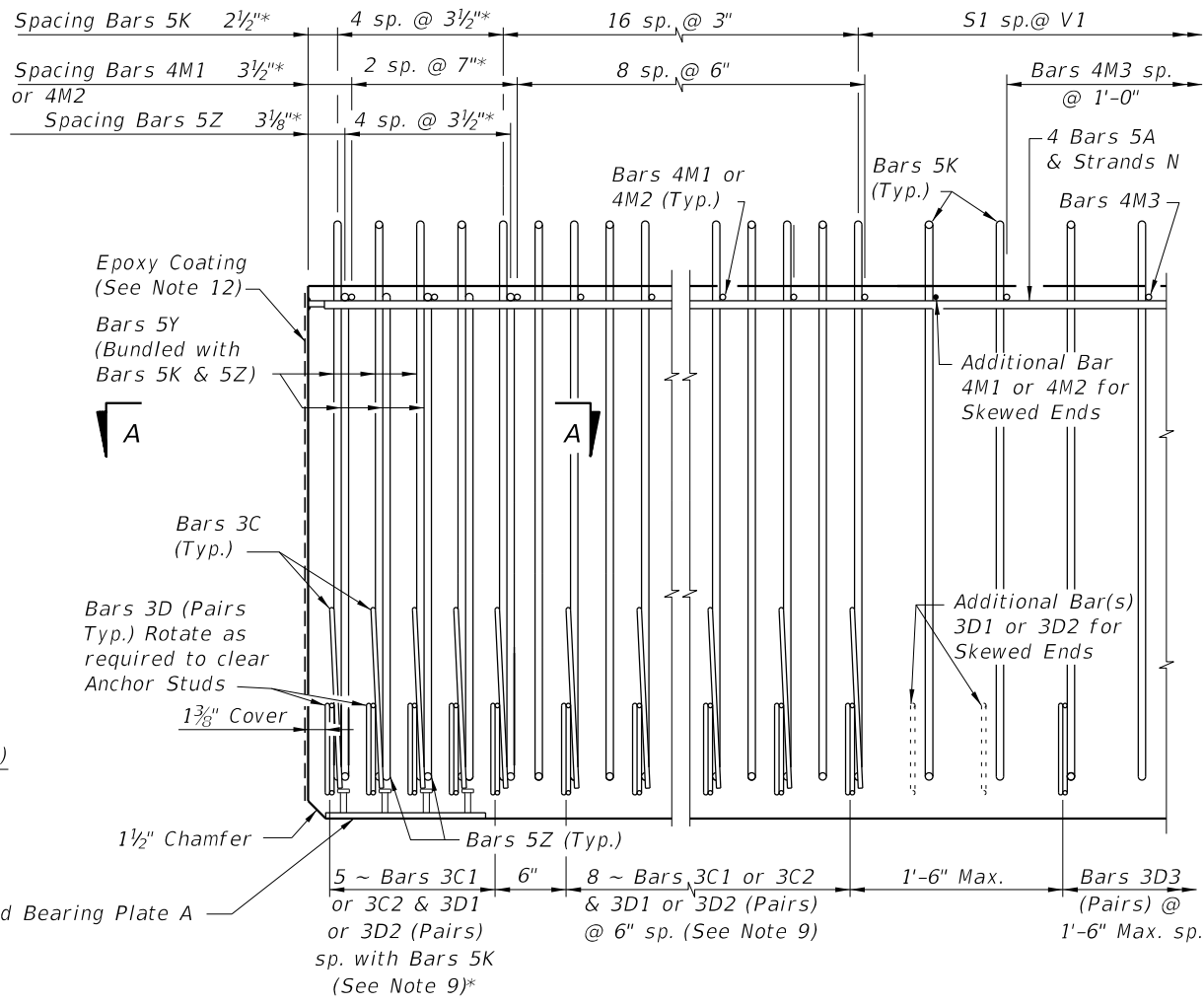


* These dimensions are measured perpendicular to the end of beam



END VIEW

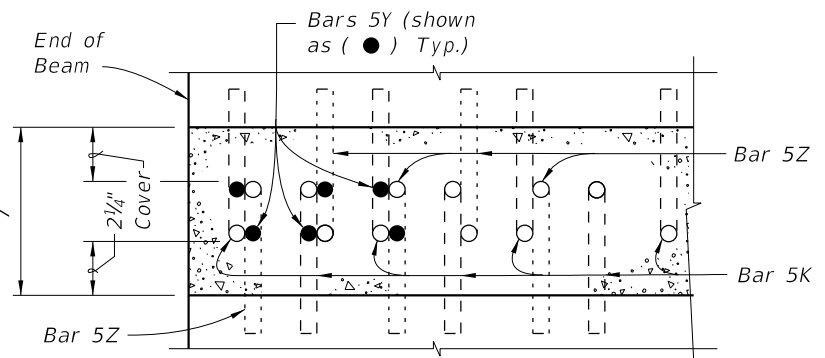
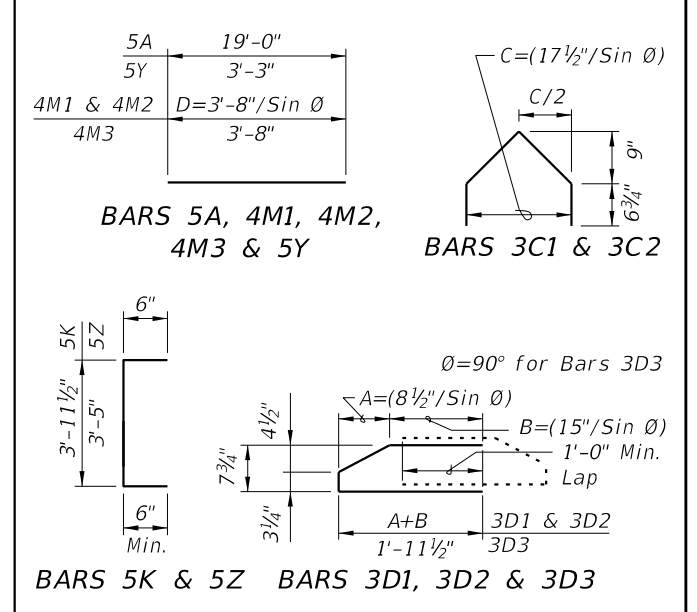


ELEVATION AT END OF BEAM
(Flanges Not Shown For Clarity)
(End 1 Shown, End 2 Similar)

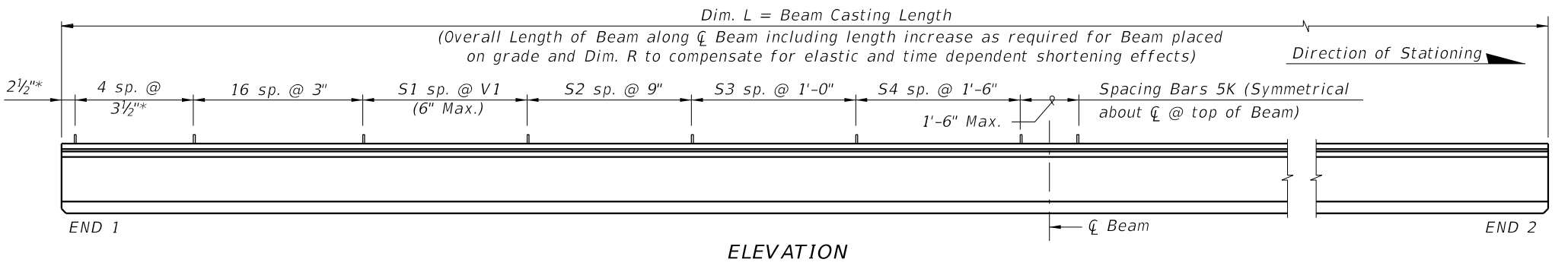
CONVENTIONAL REINFORCING
BAR BENDING DETAILS

| BILL OF REINFORCING STEEL | | | | |
|---------------------------|-----------------|---------------|-----------------|-----------------|
| MARK | NOTE NUMBERS | SIZE | NUMBER REQUIRED | LENGTH (NOTE 2) |
| A | — | 5 | 8 | 19'-0" |
| C1 | 7, 8 & 9 | 3 | 13 (End 1) | Varies |
| C2 | 7, 8 & 9 | 3 | 13 (End 2) | Varies |
| D1 | 7, 8, 9 & 10 | 3 | 26 (End 1) | Varies |
| D2 | 7, 8, 9 & 10 | 3 | 26 (End 2) | Varies |
| D3 | 9 & 10 | 3 | See Table | 4'-3" |
| K | 5, 6, 8, 9 & 10 | 5 | See Table | 4'-11" |
| M1 | 7 & 9 | 4 | 11 (End 1) | Varies |
| M2 | 7 & 9 | 4 | 11 (End 2) | Varies |
| M3 | 9 | 4 | See Table | 3'-8" |
| N | 4 & 12 | 3/8" Ø Strand | 4 | Dim. L |
| Y | 8 & 9 | 5 | 12 | 3'-3" |
| Z | 5, 6, 8, 9 & 10 | 5 | 10 | 4'-5" |

BENDING DIAGRAMS (See Note 2)



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



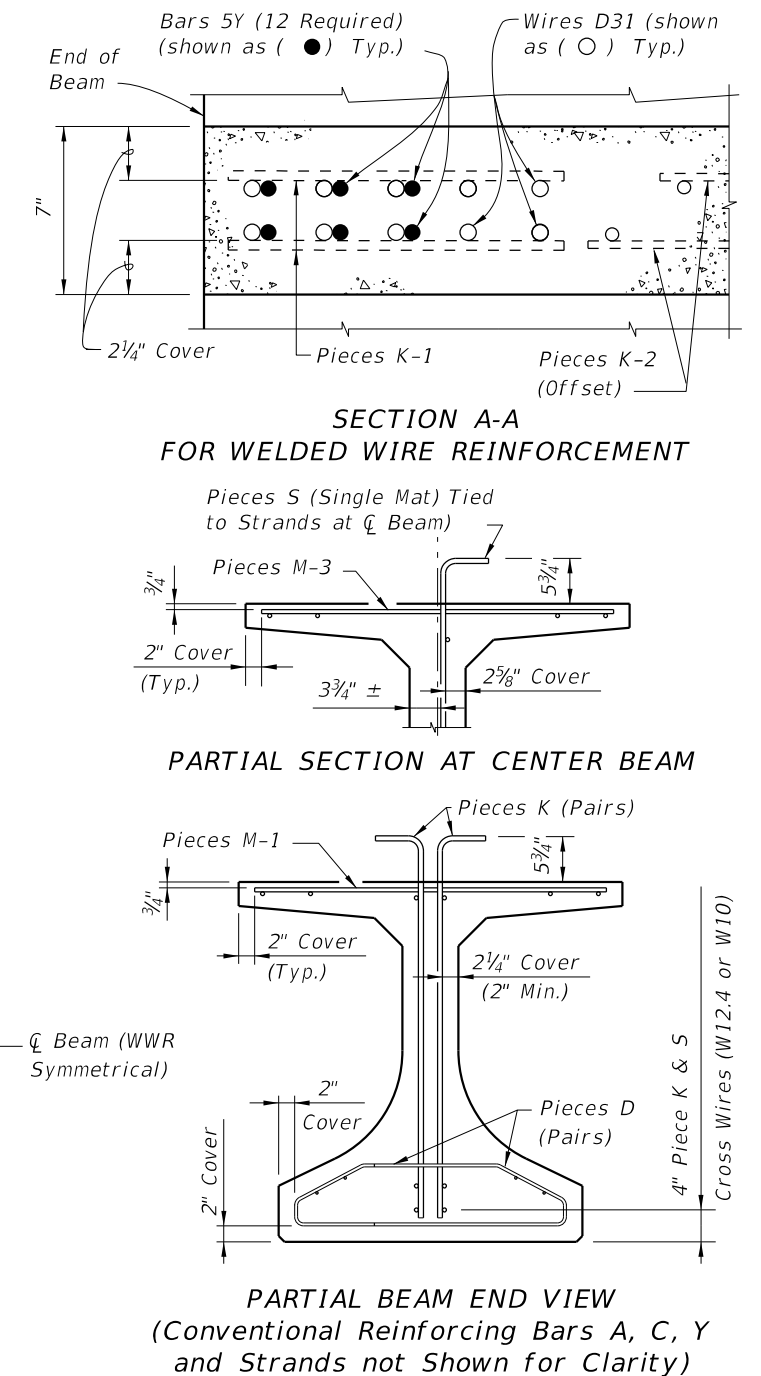
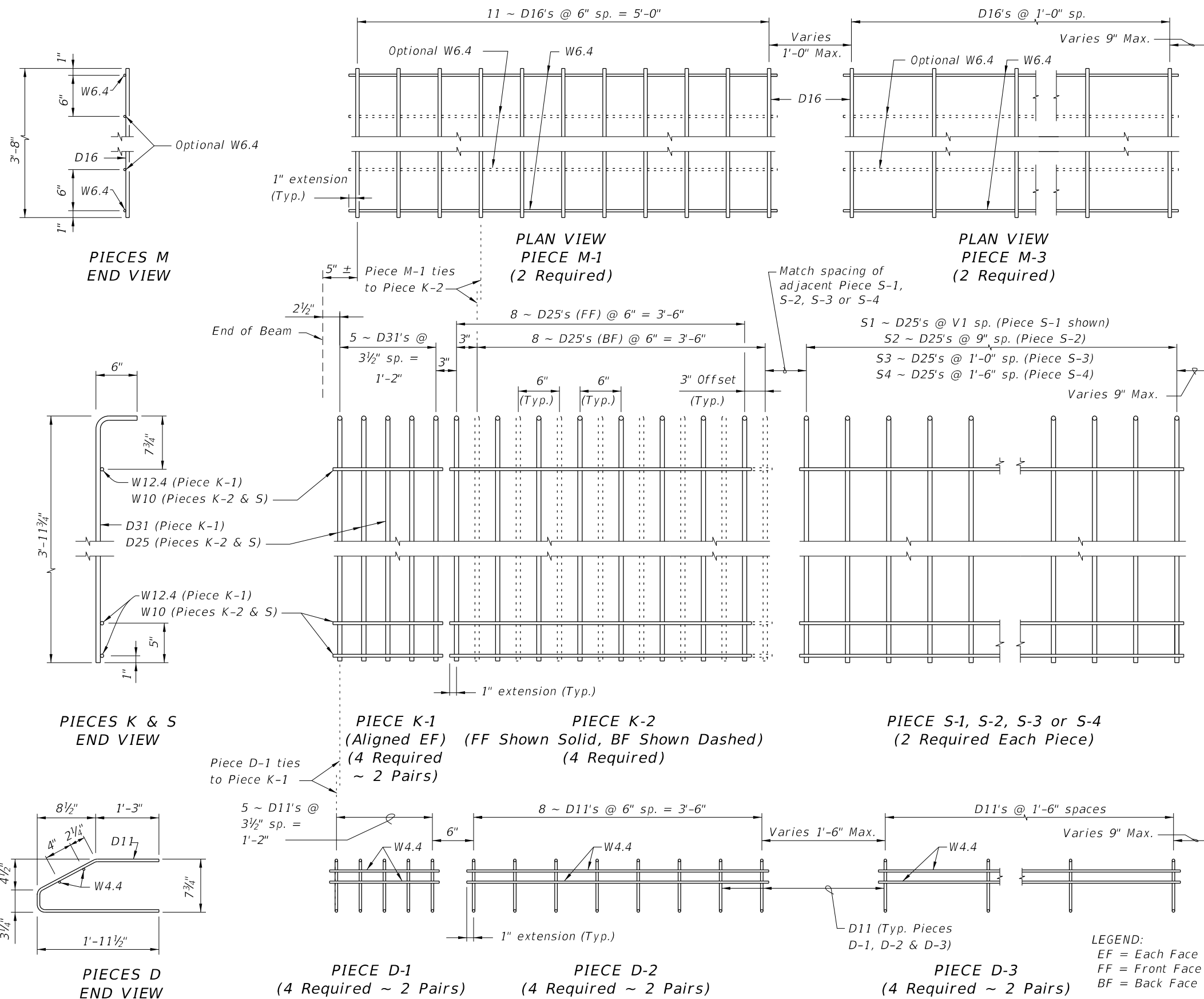
ELEVATION

- NOTES:
- A. Work this Index with Index 450-010 - 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 450-010.
 - 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 | DESCRIPTION: |
|---------------|--------------|
| 11/01/19 | |

ALTERNATE REINFORCING STEEL (WWR) DETAILS



NOTES:

- See Sheet 1 for placement details & Table of Beam Variables in Structures Plans for variables S1, S2, S3, S4 & V1.
- Place Conventional Reinforcement Bars 5A & 3C as shown on Sheet 1. Place additional Bars 5Y as shown in Section A-A for WWR. Bars 5Z will not be used with the WWR Option.
- Pieces may be fabricated in multiple length sections.
- 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 450-010 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.

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

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| | | | | | |
|---------------------------|--------------|----------------------------------|--------------------------------------|------------------|-----------------|
| LAST REVISION 11/01/16 | DESCRIPTION: | FY 2020-21 STANDARD PLANS | FLORIDA-I 45 BEAM - STANDARD DETAILS | INDEX 450-045 | SHEET 2 of 2 |
|---------------------------|--------------|----------------------------------|--------------------------------------|------------------|-----------------|