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

**DESCRIPTION:**

**INDEX NO.**

**PAGE NO.**

**DESIGN STANDARDS**

**FDOT 2014**

**ALTERNATE REINFORCING STEEL (WELDED WIRE REINFORCEMENT) DETAILS**

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**PLAN VIEW**

- **PIECE K-1** (Aligned EF)
  - (4 Required ~ 2 Pairs)
  - (FF Shown Solid, BF Shown Dashed)
  - (4 Required)
  - (2 Required Each Piece)

- **PIECE K-2**
  - (FF Shown Solid, BF Shown Dashed)
  - (4 Required)
  - (2 Required Each Piece)

- **PIECE S-1, S-2, S-3 or S-4**
  - (2 Required)

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**PLAN VIEW**

- **PIECE M-1**
  - (2 Required)

- **PIECE M-3**
  - (2 Required)

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**PLAN VIEW**

- **PIECE M-1 ties to Piece K-2**

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**PLAN VIEW**

- **PIECE K-2**
  - (FF Shown Solid, BF Shown Dashed)
  - (4 Required)
  - (2 Required Each Piece)

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**END VIEW**

- **PIECE D-1**
  - (4 Required ~ 2 Pairs)

- **PIECE D-2**
  - (4 Required ~ 2 Pairs)

- **PIECE D-3**
  - (4 Required ~ 2 Pairs)

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**END VIEW**

- **PIECE M-3**
  - (2 Required)

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**SECTION A-A FOR WELDED WIRE REINFORCEMENT**

- **Pieces S (Single Mat) Tied to Strands at ℄ Beam**
  - (Conventional Reinforcing Bars A, C, Y and Strands not Shown for Clarity)

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**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 & D3 in Section A-A for Welded Wire Reinforcement. Bars D2 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 Sheet Details and Note 9 for placement details. Shift Pieces K & Bars S5 to accommodate skewed end conditions and align with Bars C and D.

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**PLAN VIEW**

- **PIECE K-1** (Aligned EF)
  - (4 Required ~ 2 Pairs)
  - (FF Shown Solid, BF Shown Dashed)
  - (4 Required)
  - (2 Required Each Piece)

- **PIECE K-2**
  - (FF Shown Solid, BF Shown Dashed)
  - (4 Required)
  - (2 Required Each Piece)

- **PIECE S-1, S-2, S-3 or S-4**
  - (2 Required)

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**PLAN VIEW**

- **PIECE M-1**
  - (2 Required)

- **PIECE M-3**
  - (2 Required)

---

**PLAN VIEW**

- **PIECE K-2**
  - (FF Shown Solid, BF Shown Dashed)
  - (4 Required)
  - (2 Required Each Piece)

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**END VIEW**

- **PIECE D-1**
  - (4 Required ~ 2 Pairs)

- **PIECE D-2**
  - (4 Required ~ 2 Pairs)

- **PIECE D-3**
  - (4 Required ~ 2 Pairs)

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**END VIEW**

- **PIECE M-3**
  - (2 Required)

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**SECTION A-A FOR WELDED WIRE REINFORCEMENT**

- **Pieces S (Single Mat) Tied to Strands at ℄ Beam**
  - (Conventional Reinforcing Bars A, C, Y and Strands not Shown for Clarity)

---

**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 & D3 in Section A-A for Welded Wire Reinforcement. Bars D2 will not be used with the WWR Option.
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