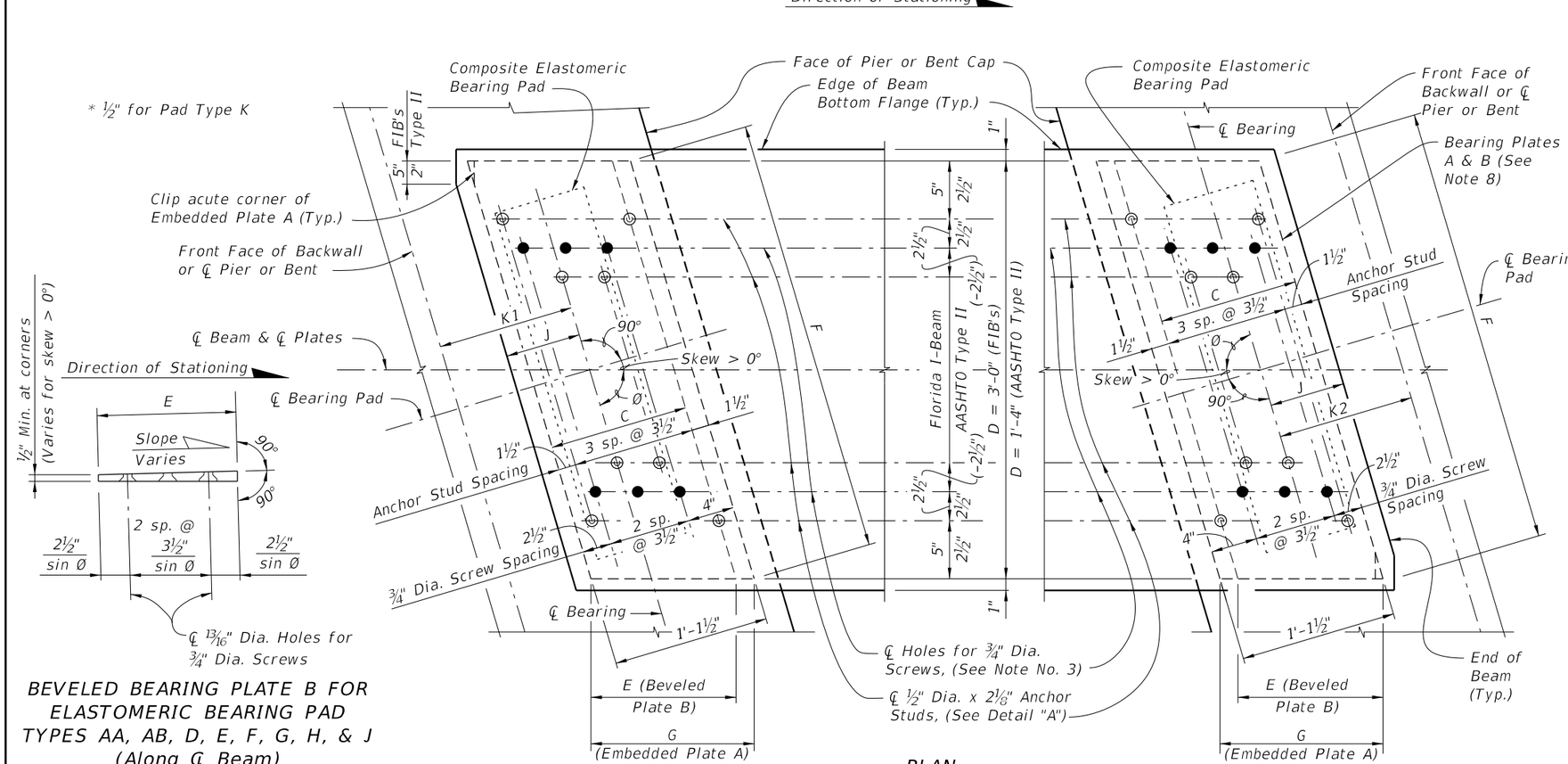
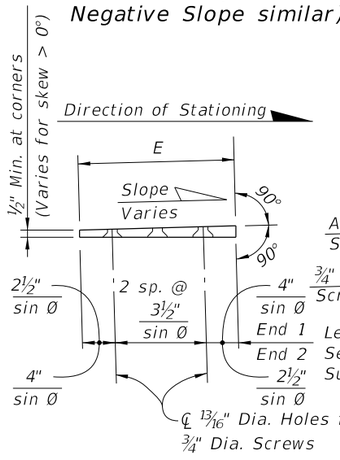


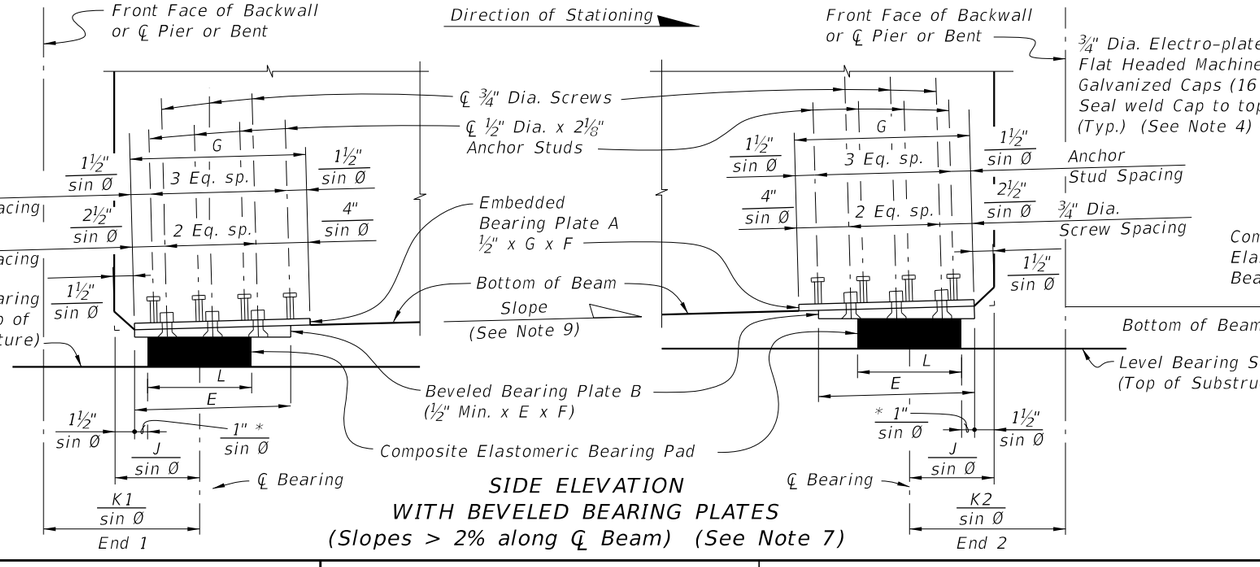
PLAN

(0° < Skew ≤ 45° FIB Shown, Skew = 0° and AASHTO Type II Similar)

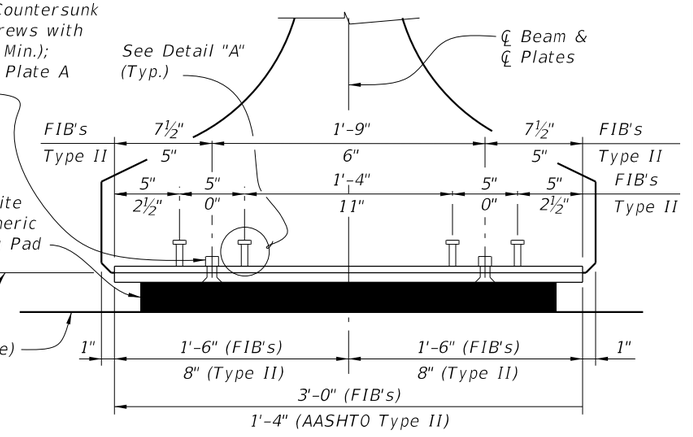
BEVELED BEARING PLATE B FOR ELASTOMERIC BEARING PAD TYPES AA, AB, D, E, F, G, H, & J (Along ℄ Beam) (Positive Slope shown; Negative Slope similar)



BEVELED BEARING PLATE B FOR ELASTOMERIC BEARING PAD TYPE K (Along ℄ Beam)



SIDE ELEVATION WITH BEVELED BEARING PLATES (Slopes > 2% along ℄ Beam) (See Note 7)



END ELEVATION WITH BEVELED BEARING PLATE

NOTES:

1. *Work this sheet with Index No. 20510 – Composite Elastomeric Bearing Pads, and the 'BEARING PLATE DATA TABLE' in the Structures Plans.*
2. *Embedded Bearing Plates A are required for all Florida-I beams. Beveled Bearing Plates B with Embedded Bearing Plates A are required for beams as scheduled in the 'BEARING PLATE DATA TABLE' in the Structures Plans.*
3. *Bearing plate material shall conform to ASTM A36 or ASTM A709 (Grade 36 or 50). Headed Concrete Anchor Studs shall conform to Specification Section 502. Hot-dip galvanize Bearing Plates A & B after fabrication except that Galvanized Caps may be welded in place after hot-dip galvanizing. Drill Bearing Plates A and B as an assembled unit, thread Bearing Plate A only. Holes are not required in Plate A when Plate B is not required. Drill and thread holes perpendicular to Embedded Plate A and prior to plates being galvanized (ASTM A 123).*
4. *Provide Electroplated, Flat Head Cap Screws in accordance with ASTM F 835. Electroplating shall be ASTM B633, SC 2, Type 1. Provide screws long enough to maintain a ¾" minimum embedment into Embedded Bearing Plate A and Galvanized Cap. Provide steel Galvanized Caps with ½" Min. to 1½" Max. height and nominal 1" inside diameter.*
5. *Include the cost of Bearing Plates in the pay item for Prestressed Beams.*
6. *For Pad Type and Dimensions C, D, E, F and G, see the 'BEARING PLATE DATA TABLE' in the Structures Plans. For Dimensions J, K1 and K2, see 'TABLE OF BEAM VARIABLES' in the Structures Plans.*
7. *All details and dimensions shown are along ℄ Beam, except for dimensions to ¾" Dia. Screws and ½" Dia. x 2⅛" Anchor Studs, which are along ℄ Screws or ℄ Anchor Studs. Positive Slope shown, Negative Slope similar.*
8. *When Skew = 0°, F = D = 3'-0" (Florida-I Beams) or 1'-4" (AASHTO Type II Beams) E = C, and G = 1'-1½".*
9. *Slope is determined along ℄ Beam at ℄ Bearing. See 'BEARING PLATE DATA TABLE' in the Structures Plans for Slope and Angle Ø.*

CROSS REFERENCE:
See Sheet 2 for Detail "A".

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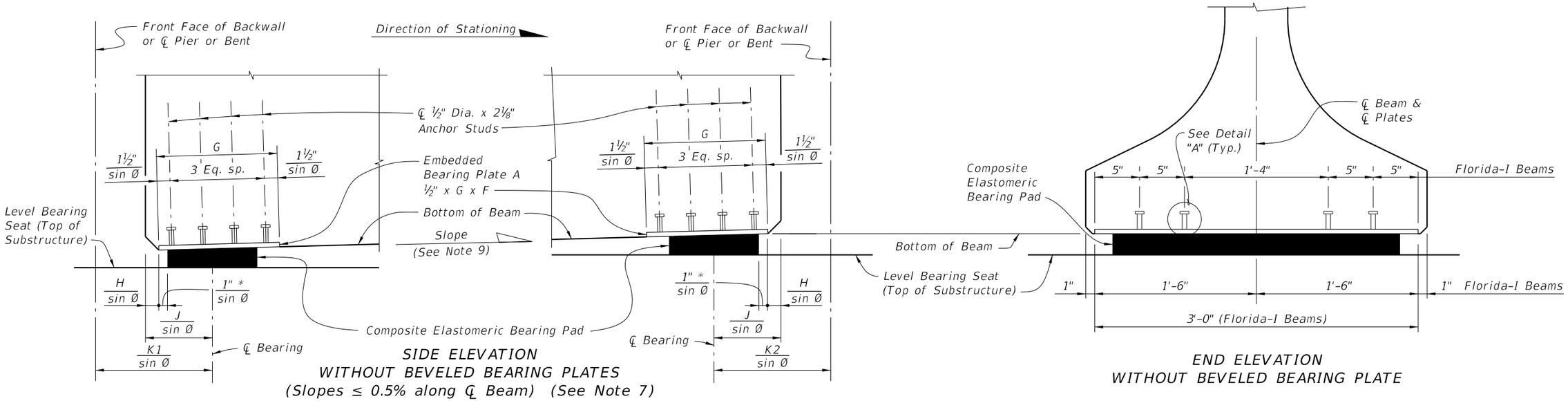
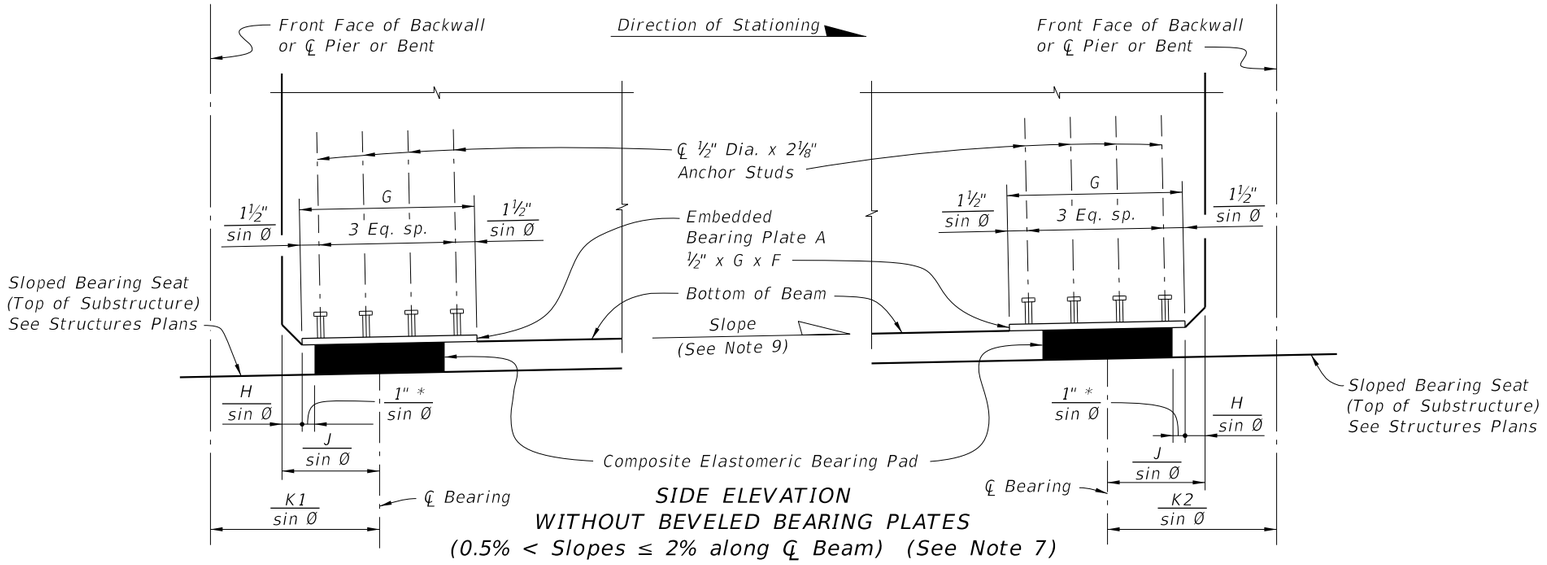
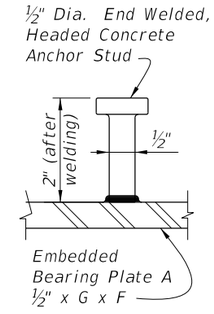
LAST REVISION	REVISION	DESCRIPTION:				
07/01/14			FY 2017-18 DESIGN STANDARDS	BEARING PLATES (TYPE 1) - PRESTRESSED FLORIDA-I AND AASHTO TYPE II BEAMS	INDEX NO. 20511	SHEET NO. 1 of 2







DETAIL "A"

CROSS REFERENCE:
See Sheet 1 for dimension H and Notes.

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LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2017-18 DESIGN STANDARDS	BEARING PLATES (TYPE 1) - PRESTRESSED FLORIDA-I AND AASHTO TYPE II BEAMS	INDEX NO.	SHEET NO.
07/01/14					20511	2 of 2