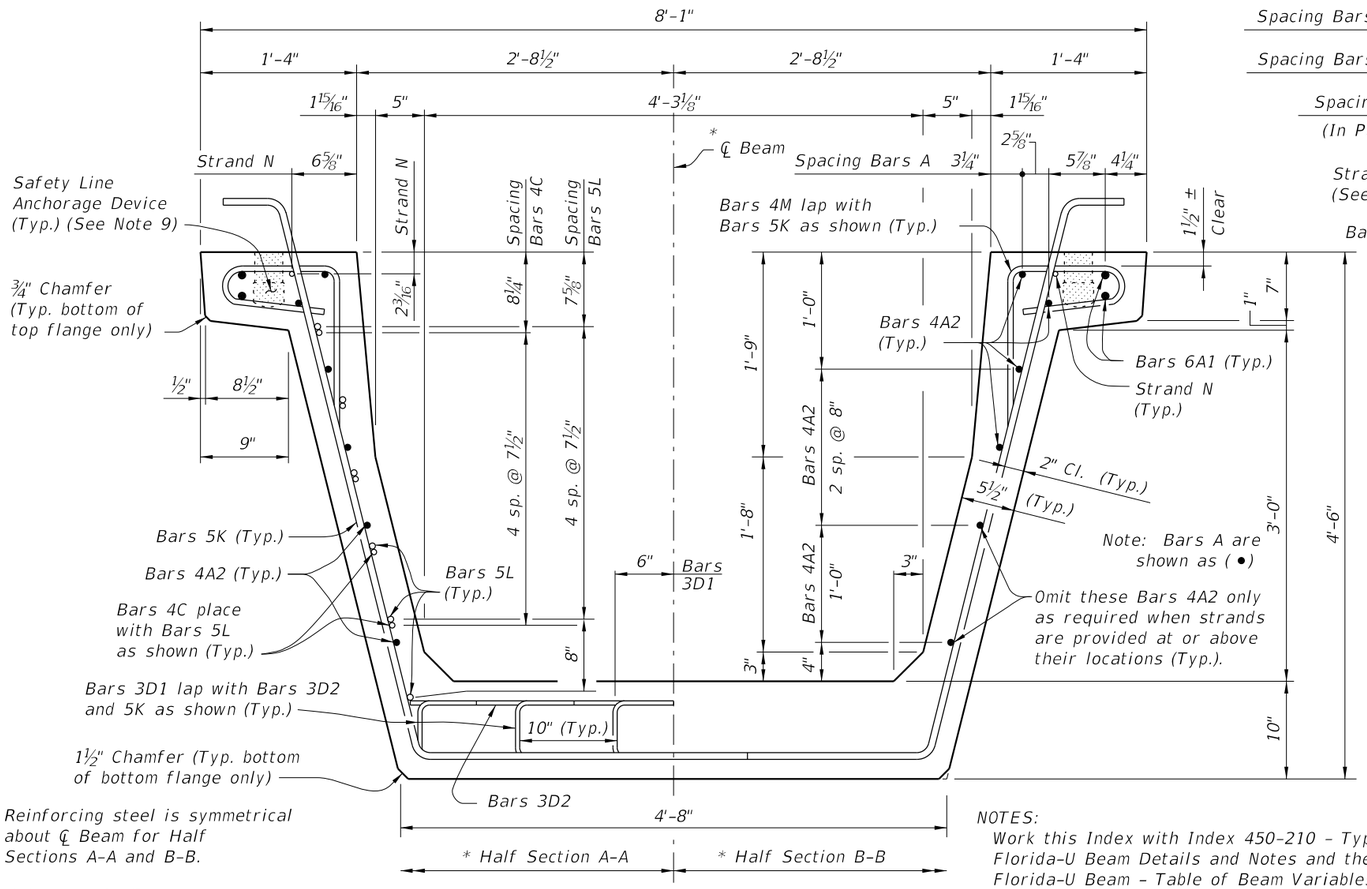


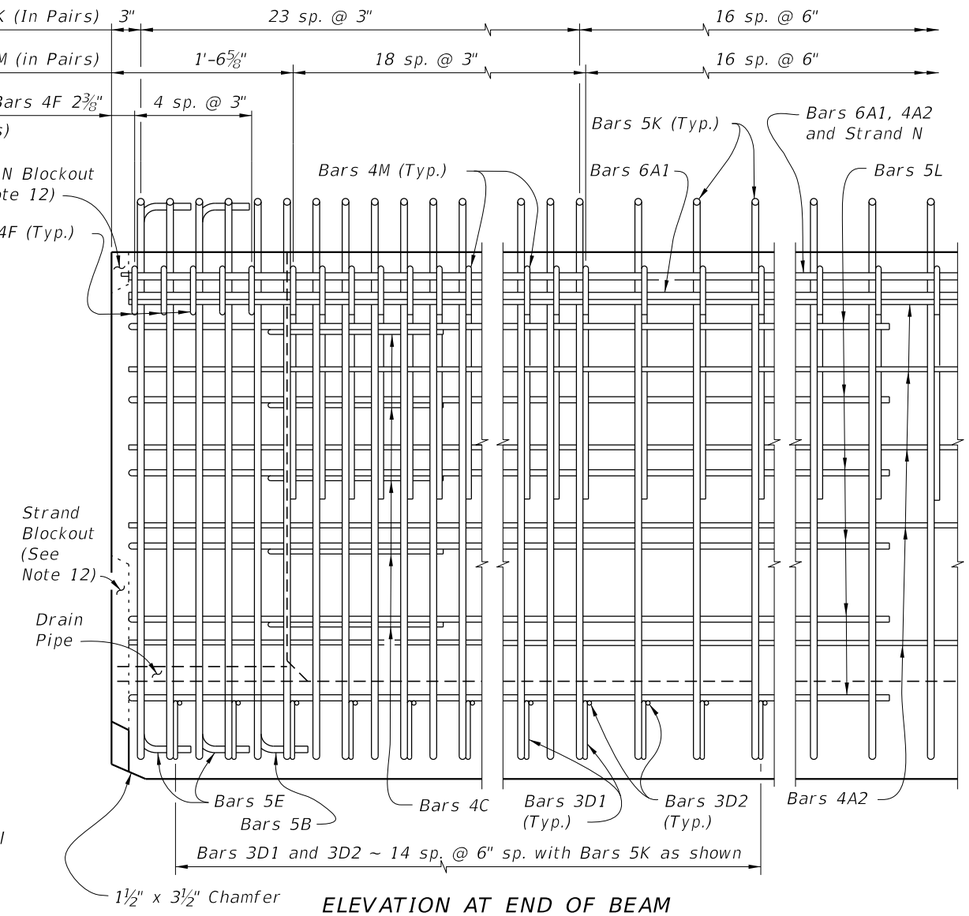
TYPICAL SECTION

* Reinforcing steel is symmetrical about ℄ Beam for Half Sections A-A and B-B.

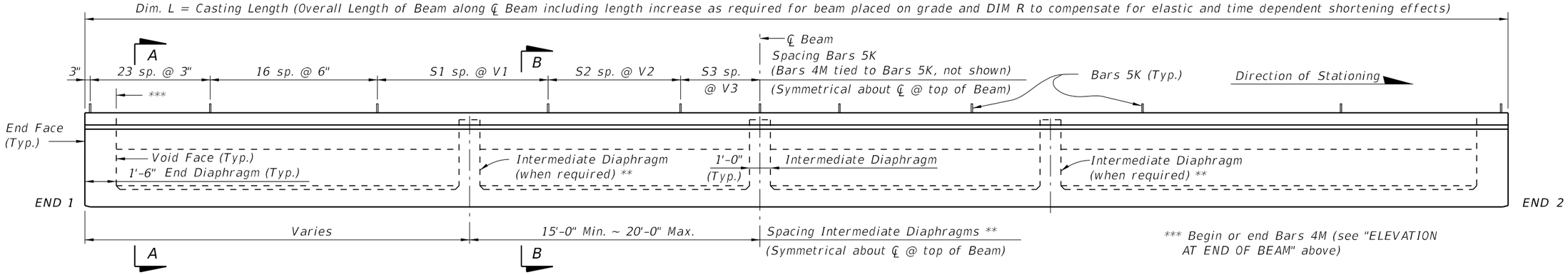
** Intermediate Diaphragms shall be provided:
(1) – At midspan.
(2) – At 20'-0" Max. from midspan when beam length (L) exceeds 60 Ft.

NOTES:
Work this Index with Index 450-210 – Typical Florida-U Beam Details and Notes and the Florida-U Beam – Table of Beam Variables in Structures Plans.

For referenced notes see Index 450-210.



ELEVATION AT END OF BEAM



ELEVATION

*** Begin or end Bars 4M (see "ELEVATION AT END OF BEAM" above)

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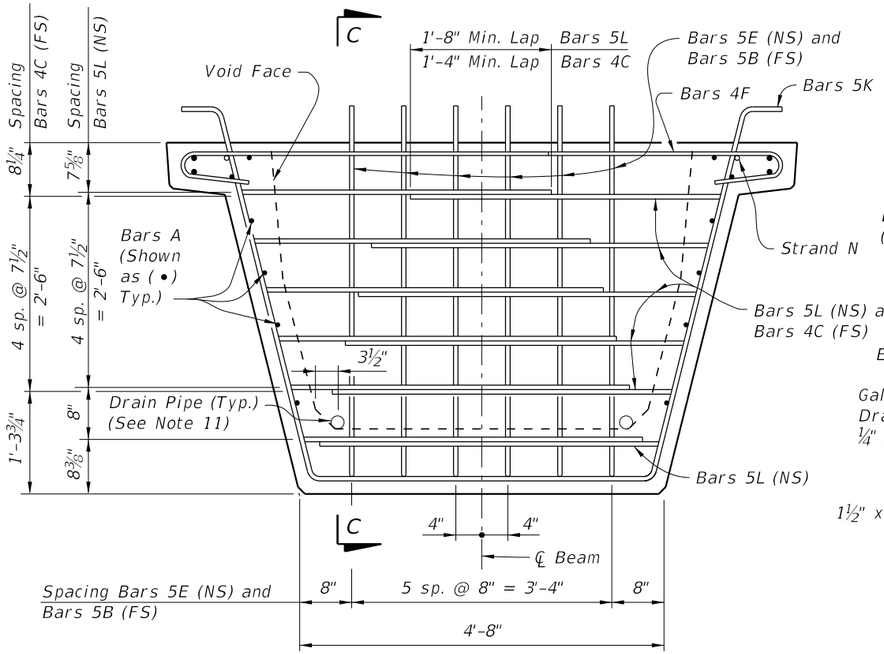
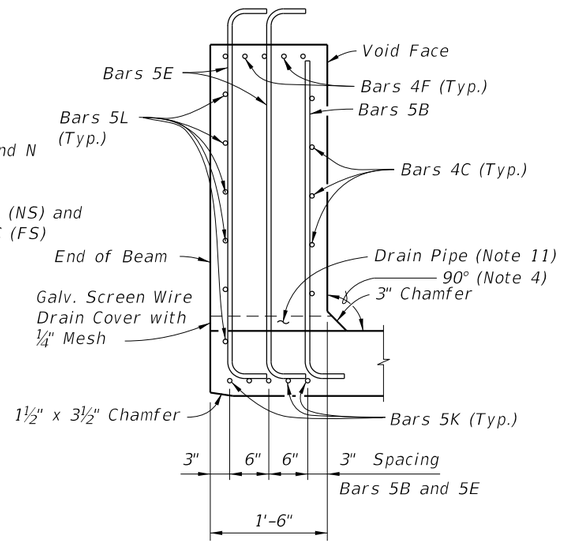
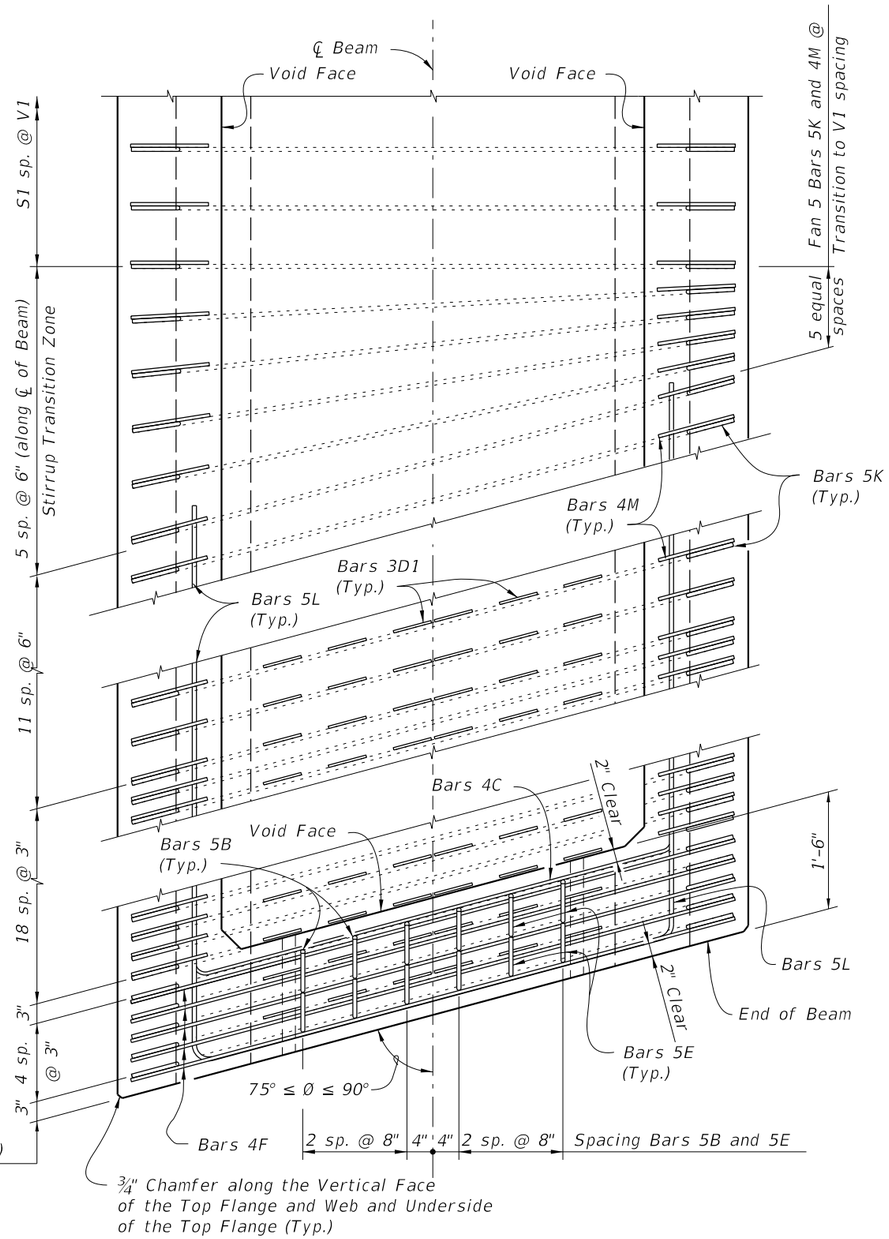
11/01/16			FDOT FY 2023-24 STANDARD PLANS	FLORIDA-U 54 BEAM - STANDARD DETAILS	INDEX 450-254	SHEET 1 of 3



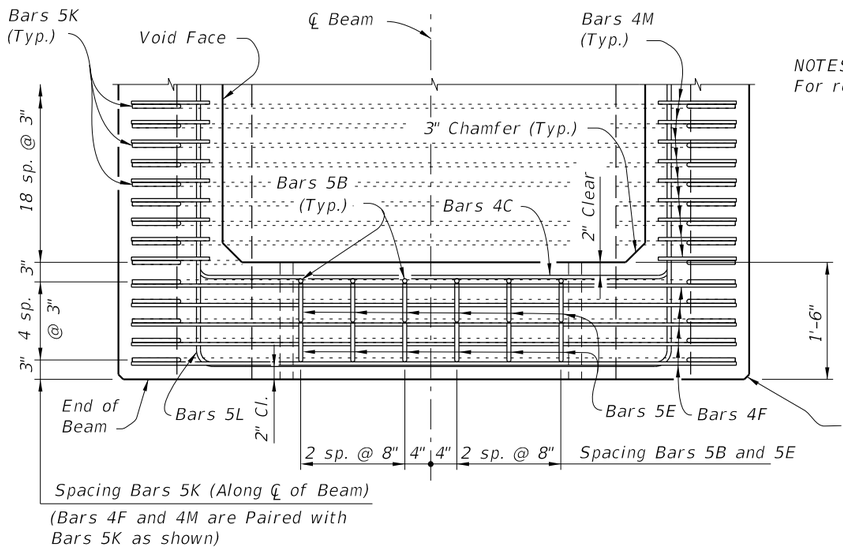
END VIEW AT END DIAPHRAGM



SECTION C-C



TOP VIEW OF SKEWED END DIAPHRAGM
AND STIRRUP TRANSITION ZONE
(Bars 3D2 Not Shown For Clarity)



TOP VIEW OF END DIAPHRAGM
(Bars 3D1 And 3D2 Not Shown For Clarity)

NOTES:
For referenced notes see Index 450-210.

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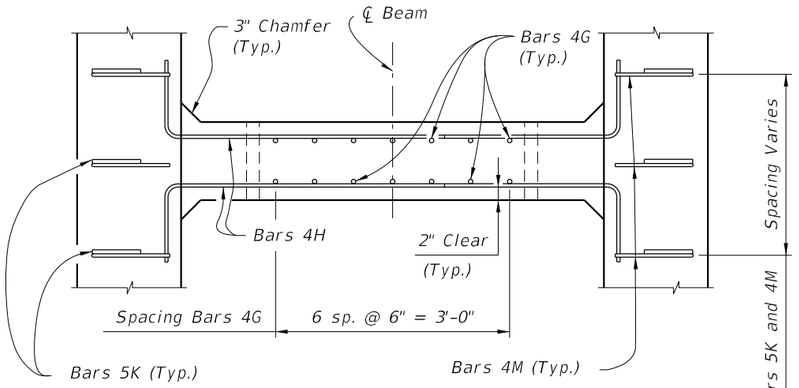
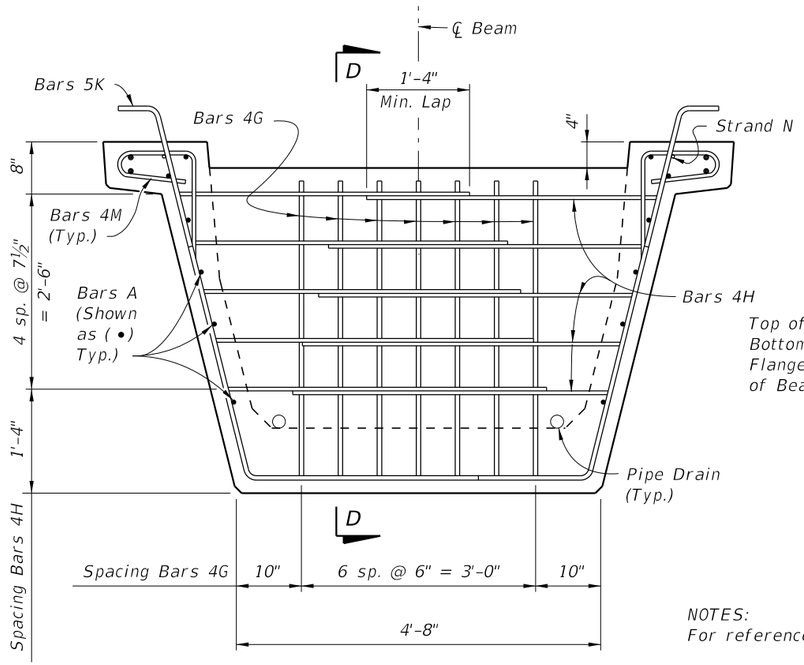
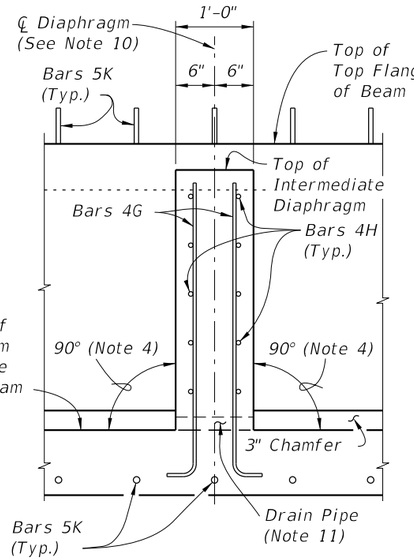


TOP VIEW OF INTERMEDIATE DIAPHRAGM



SECTION AT INTERMEDIATE DIAPHRAGM



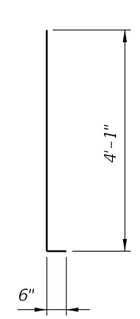
SECTION D-D

NOTES:
For referenced note see Index 450-210.

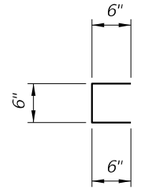
CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL FOR ONE BEAM ONLY

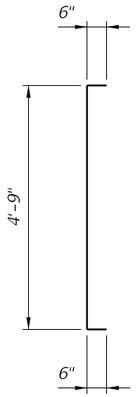
MARK	SIZE	NO. REQD.	LENGTH
A1	6	4	Dim. L – 4"
A2	4	12	Dim. L – 4"
B	5	12	4'-7"
C	4	20	5'-3"
D1	3	180	1'-6"
D2	3	30	4'-6"
E	5	24	5'-9"
F	4	20	6'-4"
G	4	See Table	4'-6"
H	4	See Table	4'-9"
K	5	See Table	8'-6"
L	5	24	16'-2"
M	4	See Table	3'-11"
N	⅜" Ø Strand	2	Dim. L – 3"



Bars 5B



Bars 3D1



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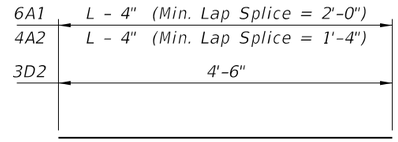
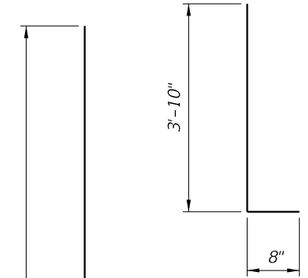


Bars 6A1, 4A2 and 3D2

Bars 4F



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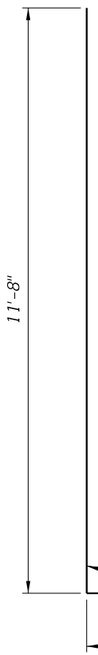

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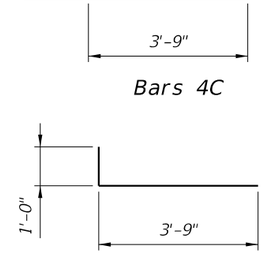
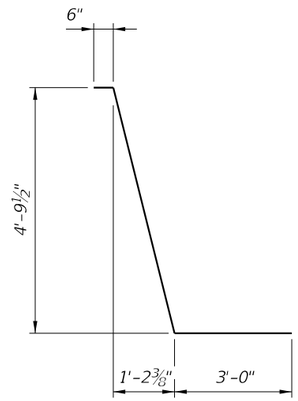


Bars 4C

Bars 4H



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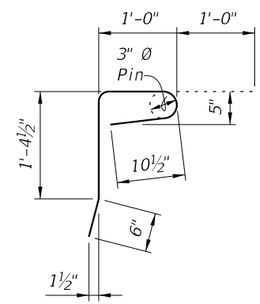

Bars 4M

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11/01/16			FY 2023-24 STANDARD PLANS	FLORIDA-U 54 BEAM - STANDARD DETAILS	INDEX 450-254 / SHEET 3 of 3