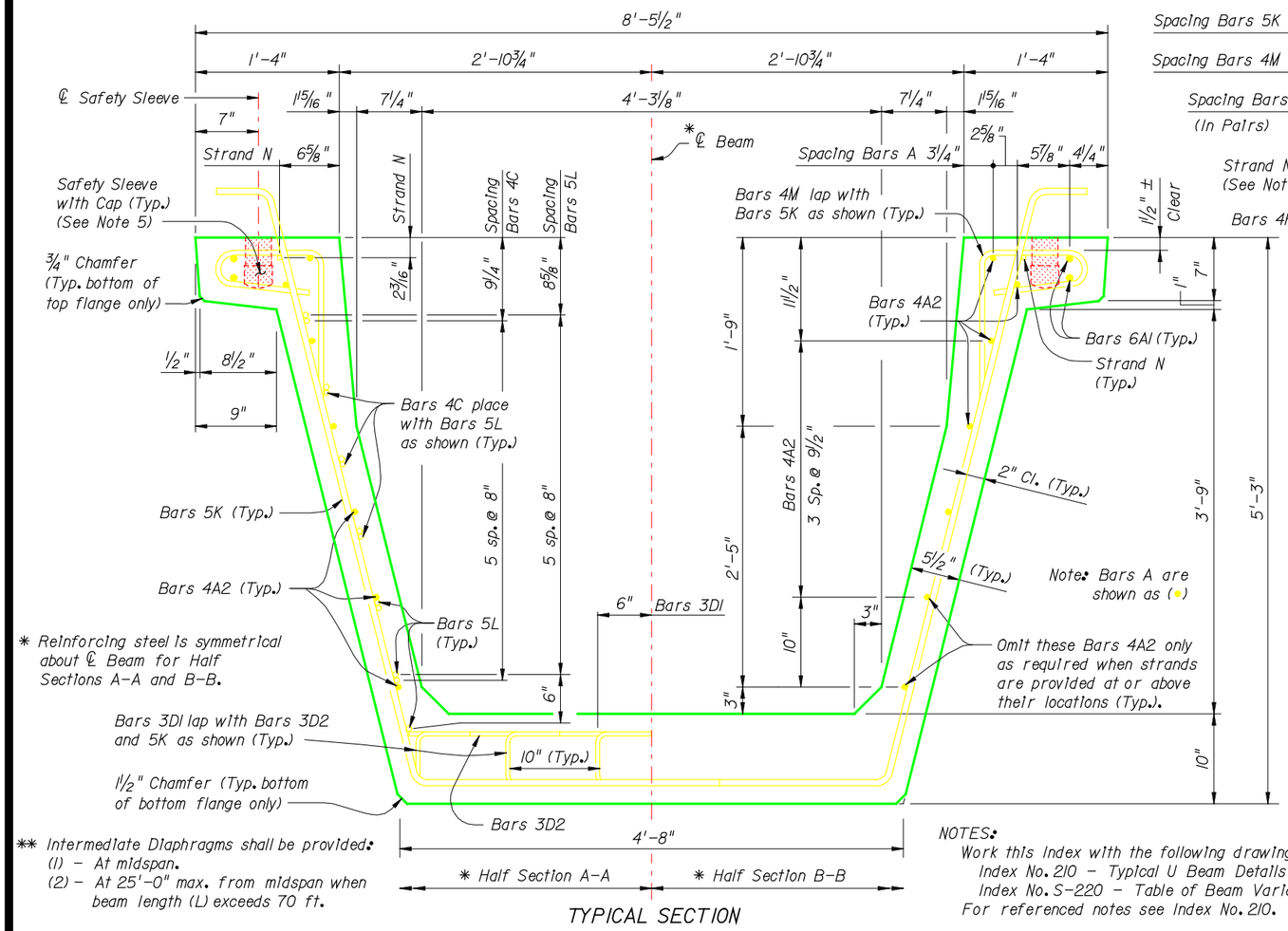
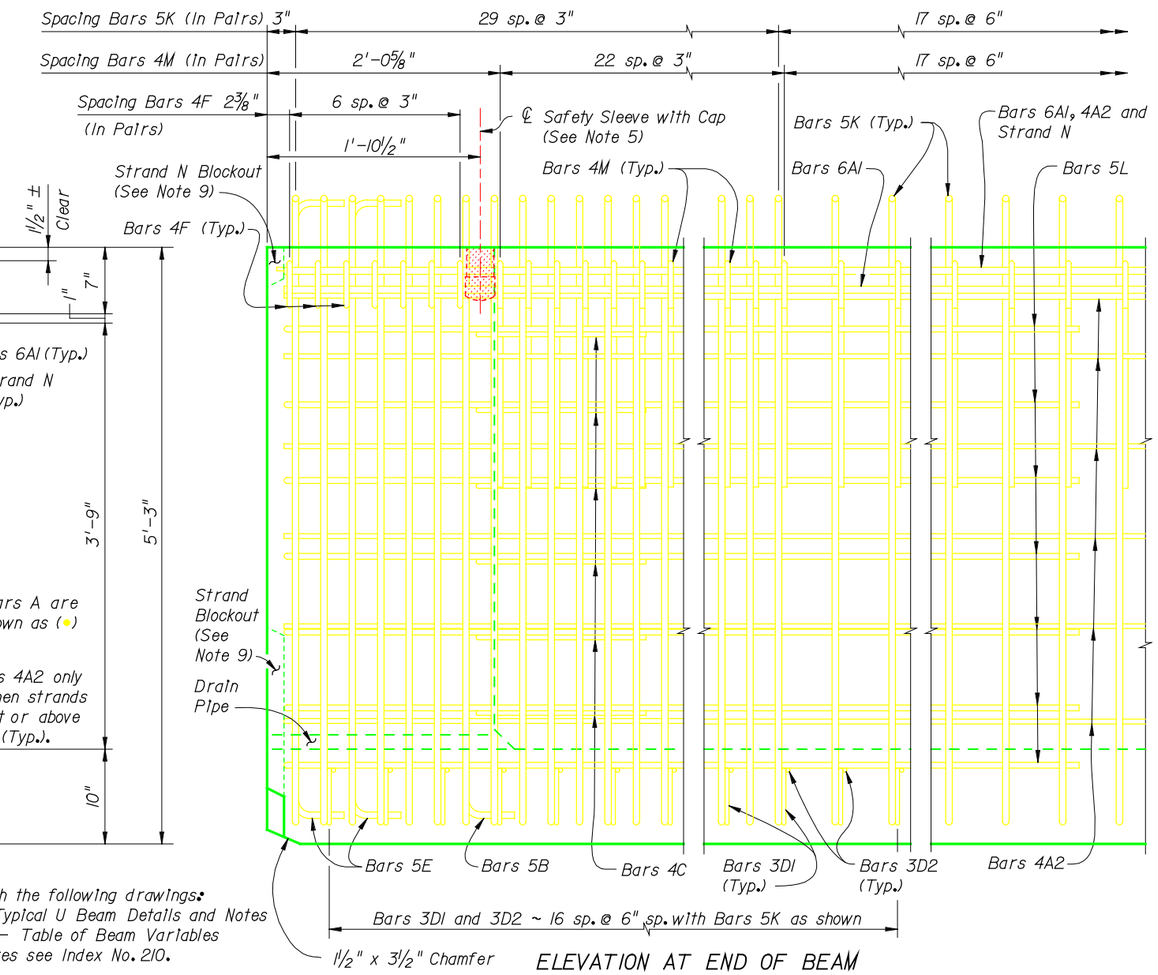


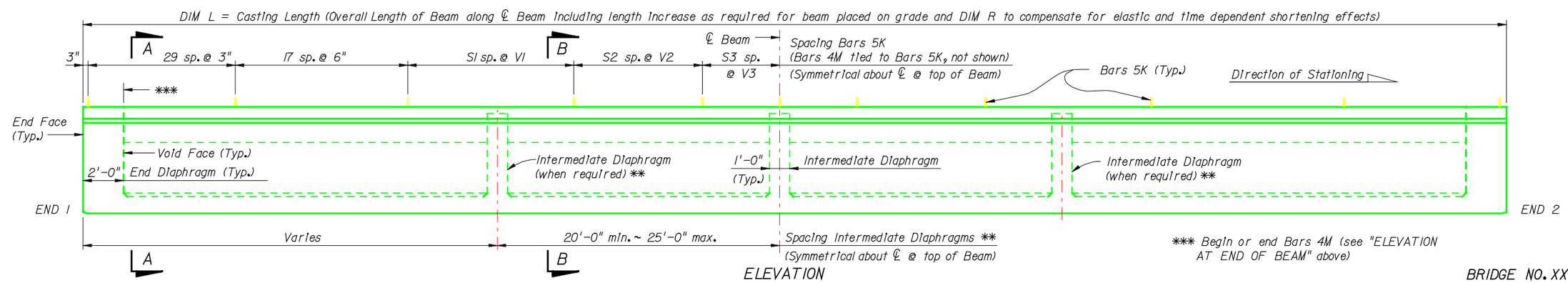
** Intermediate Diaphragms shall be provided:
(1) - At midspan.
(2) - At 25'-0" max. from midspan when beam length (L) exceeds 70 ft.

TYPICAL SECTION

NOTES:
Work this Index with the following drawings:
Index No. 210 - Typical U Beam Details and Notes
Index No. S-220 - Table of Beam Variables
For referenced notes see Index No. 210.



ELEVATION AT END OF BEAM



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

ELEVATION

BRIDGE NO. XXXXXX

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-14-01	SDO	Standard Drawing Issue Date			

	NAMES	DATES
DRAWN BY	SHM	10-00
CHECKED BY	MAI	10-00
DESIGNED BY	MAI	10-00
CHECKED BY	JAP	10-00
APPROVED BY	REN	

ENGINEER OF RECORD:
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FLORIDA DEPARTMENT OF TRANSPORTATION

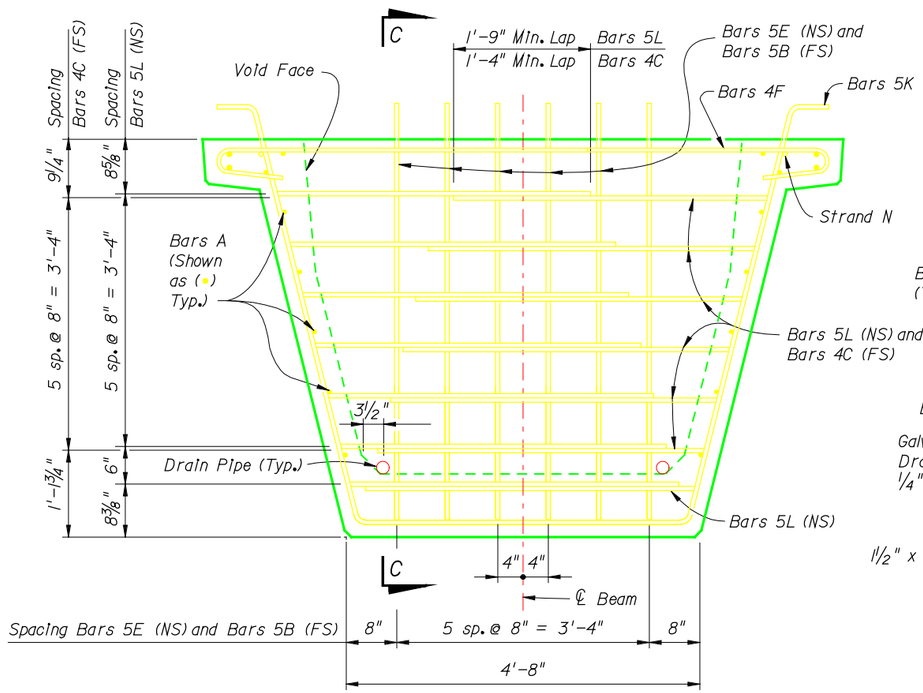
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

SHEET TITLE: FLORIDA U 63 BEAM - STANDARD DETAILS INDEX NO. 263 (DRAWING 1 OF 3)

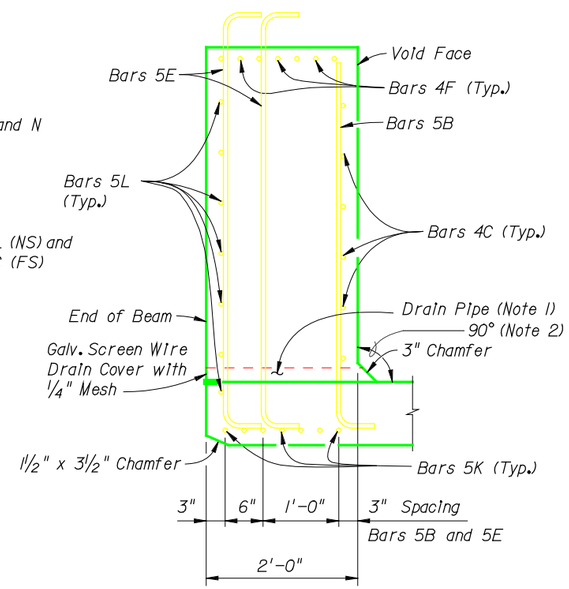
PROJECT NAME:

SHEET NO.

$USERNAME$ $$$$$$$$DGNSPECIFICATION$$$$$$$$ $$$$$$$$SYTIME$$$$$$$$TIME$



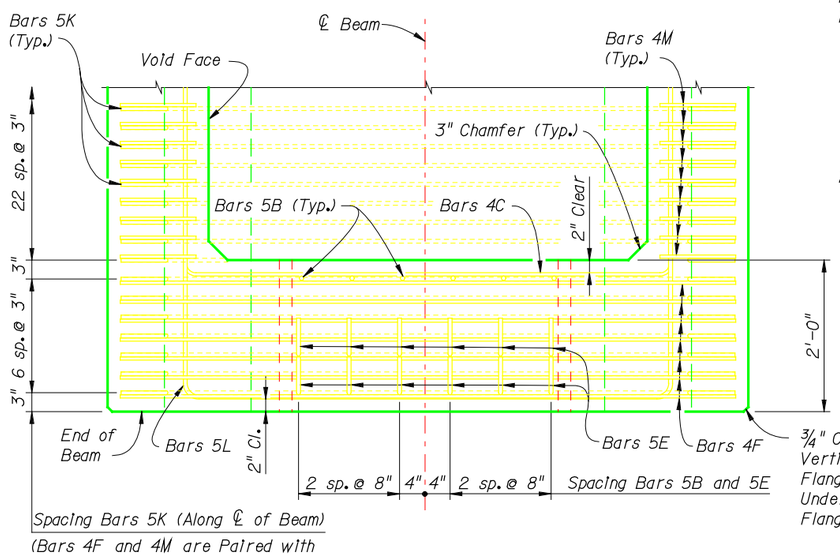
END VIEW AT END DIAPHRAGM



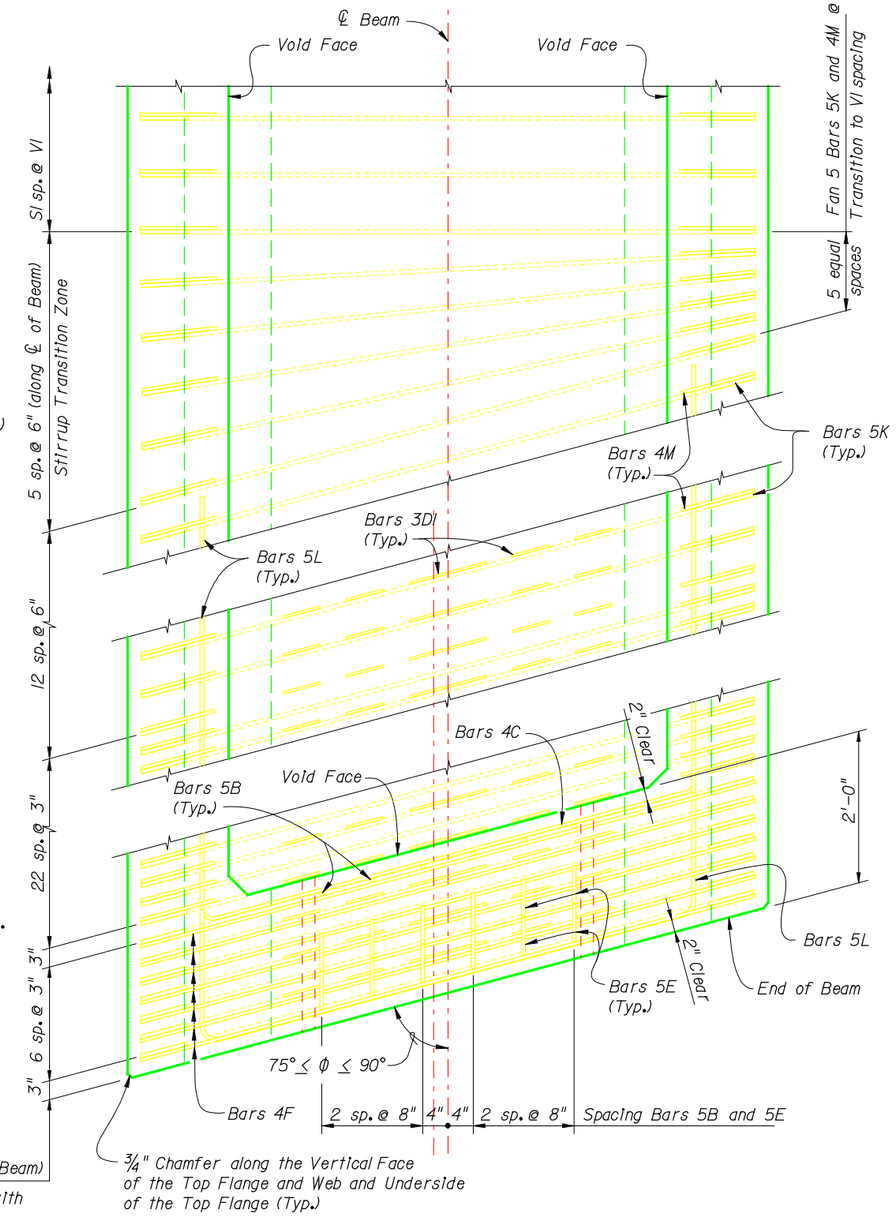
SECTION C-C

NOTES:

1. Drains shall be placed adjacent to each web at each beam end (four drains per beam). Drain Pipe shall be 2" Nominal Pipe Size, Schedule 80 PVC. Provide removable pipe plugs to prevent concrete entrance during beam casting. Plugs to be removed from the inside after casting. Galvanized screen wire shall cover the end of the pipe and bent down around the sides of the pipe, a minimum of 1" and secured prior to casting.
2. Concrete face may be sloped with a maximum 1:24 draft to facilitate formwork removal.



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



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

BRIDGE NO. XXXXXX

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
02-14-01	SDO	Standard Drawing Issue Date			

	NAMES	DATES
DRAWN BY	SHM	10-00
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DESIGNED BY	MAI	10-00
CHECKED BY	JAP	10-00
APPROVED BY	REN	

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FLORIDA DEPARTMENT OF TRANSPORTATION

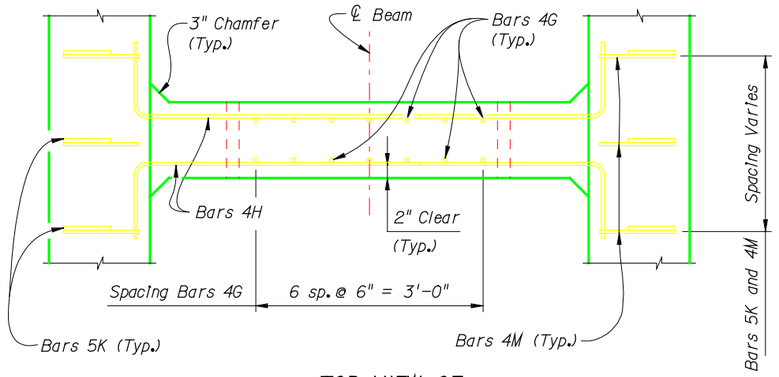
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

SHEET TITLE:
FLORIDA U 63 BEAM - STANDARD DETAILS
INDEX NO. 263 (DRAWING 2 OF 3)

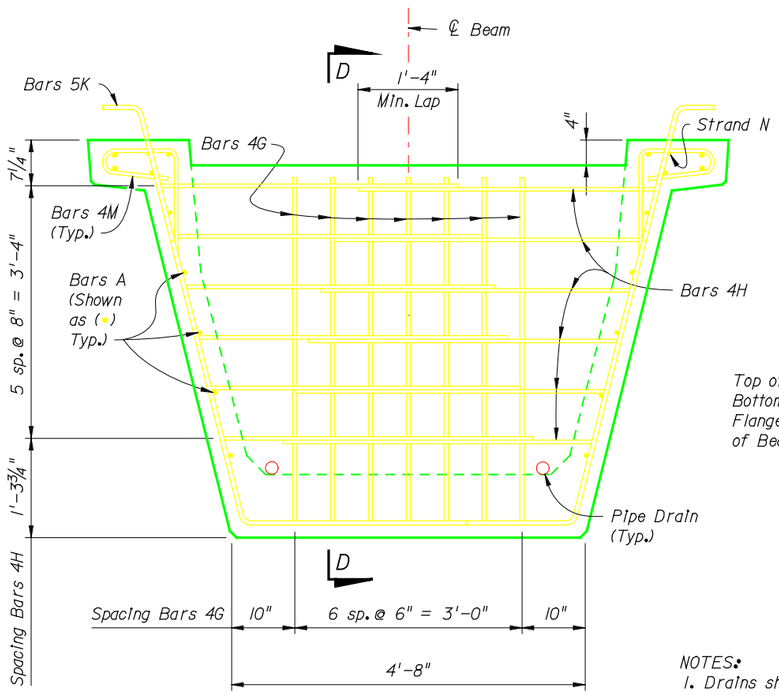
PROJECT NAME:

SHEET NO.

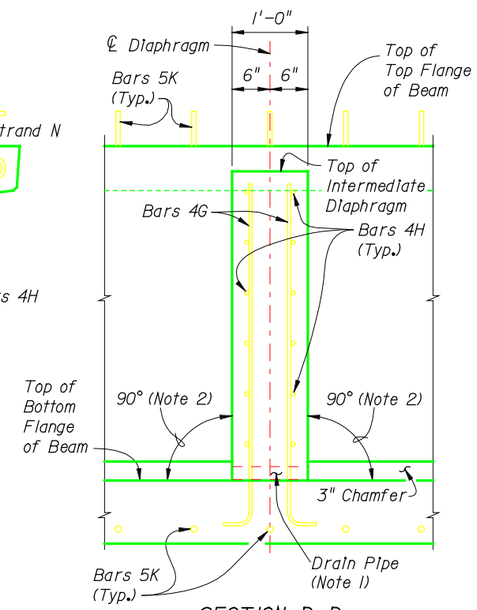
$USERNAME$ $$$$$$$$DGNSPECIFICATION$$$$$$$$
$$$$$$$$SYTIME$$$$$$$$TIME$



TOP VIEW OF INTERMEDIATE DIAPHRAGM



SECTION AT INTERMEDIATE DIAPHRAGM



SECTION D-D

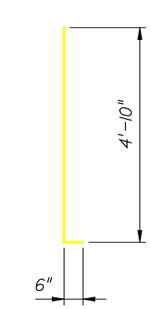
NOTES:

1. Drains shall be placed adjacent to each web at each intermediate diaphragm (two drains per intermediate diaphragm). Drain Pipe shall be 2" Nominal Pipe Size, Schedule 80 PVC. Provide removable pipe plugs to prevent concrete entrance during beam casting. Plugs to be removed from the inside after casting.
2. Concrete face may be sloped with a maximum 1:24 draft to facilitate formwork removal.
3. Intermediate diaphragms must be cast and concrete release strength obtained prior to removing beam from casting bed.

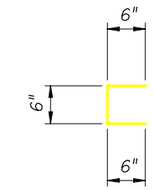
CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL FOR ONE BEAM ONLY

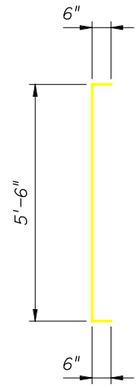
MARK	SIZE	NO. REQ'D	LENGTH
A1	6	4	DIM L - 4"
A2	4	12	DIM L - 4"
B	5	12	5'-4"
C	4	24	5'-5"
D1	3	228	1'-6"
D2	3	38	4'-6"
E	5	24	6'-6"
F	4	28	6'-6"
G	4	See Table	5'-3"
H	4	See Table	4'-11"
K	5	See Table	9'-2½"
L	5	28	17'-8"
M	4	See Table	3'-11"
N	⅜" Φ Strand	2	DIM L - 3"



Bars 5B



Bars 3D1



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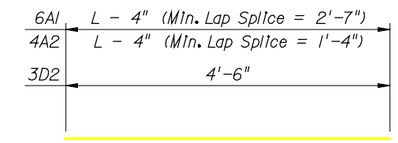
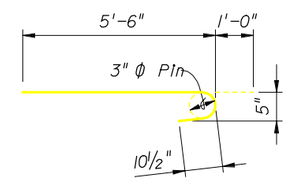


Bars 6A1, 4A2 and 3D2



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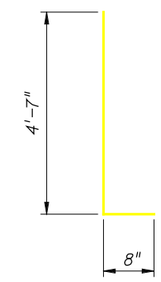

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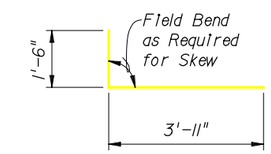

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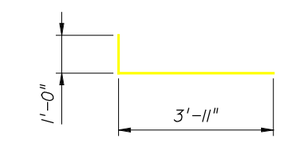

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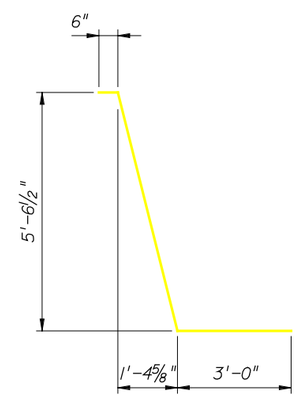

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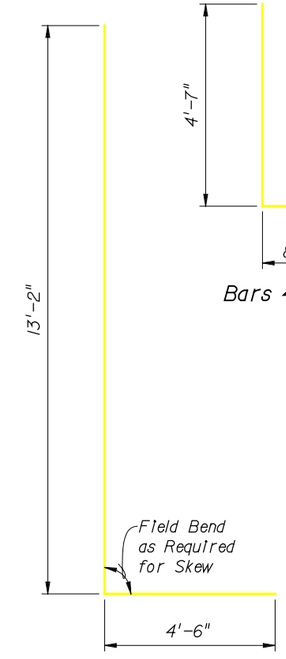

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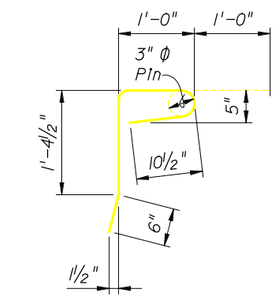

Bars 4M

BRIDGE NO. XXXXXX

REVISIONS

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FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID

SHEET TITLE:
FLORIDA U 63 BEAM - STANDARD DETAILS
INDEX NO. 263 (DRAWING 3 OF 3)

PROJECT NAME:

SHEET NO.

$$$$$$$$$$TIME$$$$$$$$$$USERNAME$ $$$$$$$$$$DGNSPECIFICATION$$$$$$$$$$