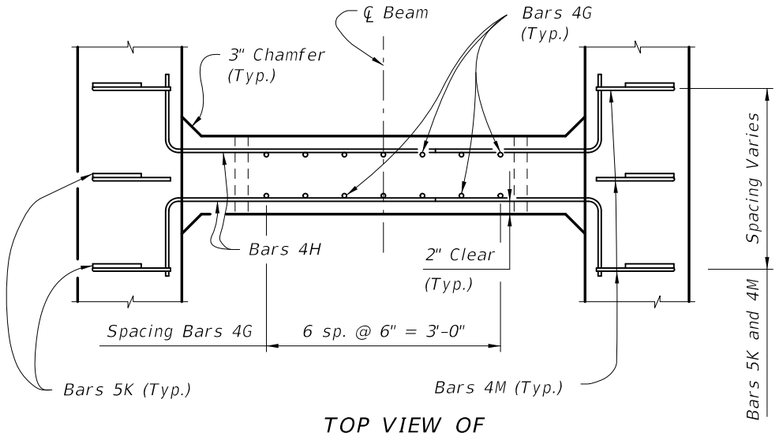
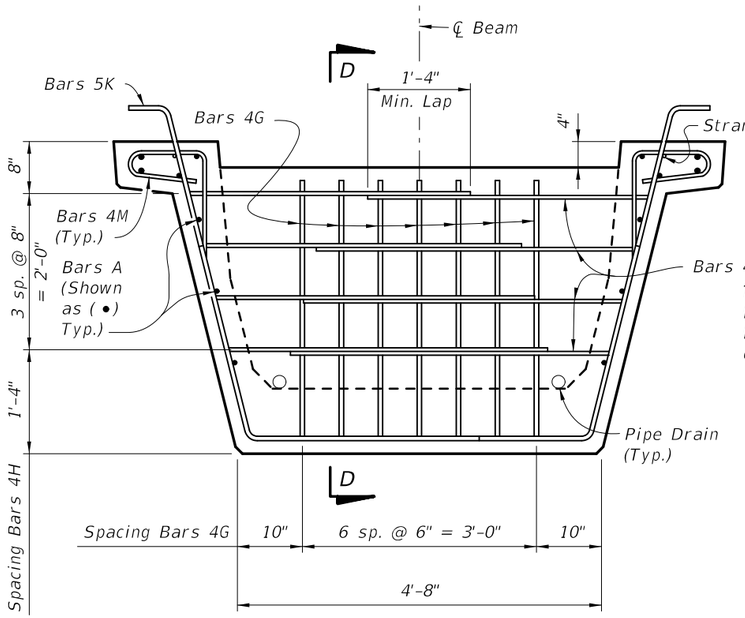
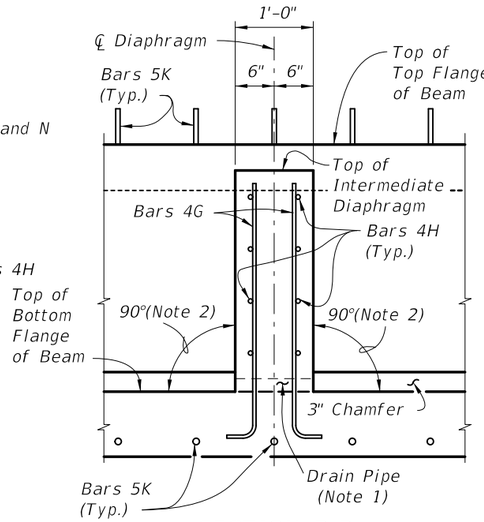



TOP VIEW OF INTERMEDIATE DIAPHRAGM




SECTION AT INTERMEDIATE DIAPHRAGM




SECTION D-D

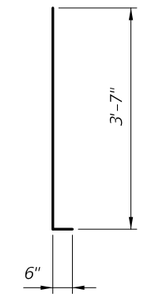
NOTES:

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.

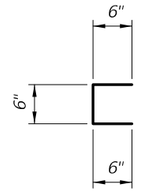
## CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

### BILL OF REINFORCING STEEL FOR ONE BEAM ONLY

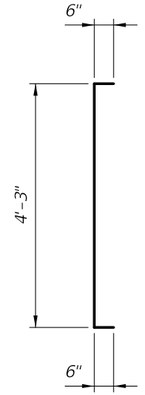
| MARK | SIZE | NO. REQD. | LENGTH |
|---|---|---|---|
| A1 | 6 | 4 | DIM L - 4" |
| A2 | 4 | 10 | DIM L - 4" |
| B | 5 | 12 | 4'-1" |
| C | 4 | 16 | 5'-1" |
| D1 | 3 | 156 | 1'-6" |
| D2 | 3 | 26 | 4'-6" |
| E | 5 | 24 | 5'-3" |
| F | 4 | 20 | 6'-2" |
| G | 4 | See Table | 4'-0" |
| H | 4 | See Table | 4'-7" |
| K | 5 | See Table | 8'-0" |
| L | 5 | 20 | 14'-0" |
| M | 4 | See Table | 3'-11" |
| N | 3/8" Ø Strand | 2 | DIM L - 3" |



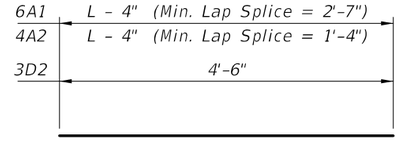

Bars 5B



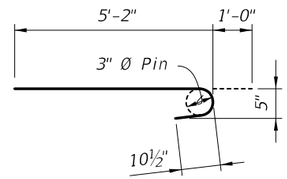

Bars 3D1



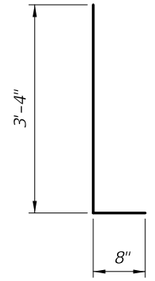

Bars 5E



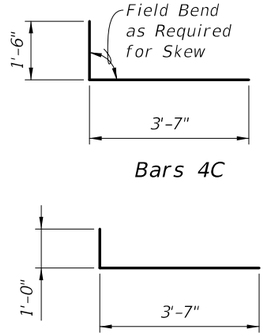

Bars 6A1, 4A2 and 3D2




Bars 4F

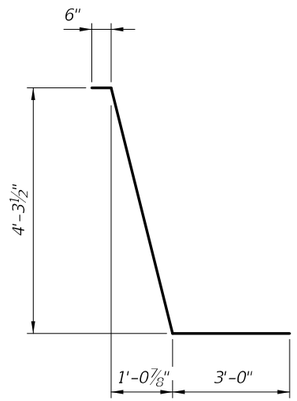



Bars 4G

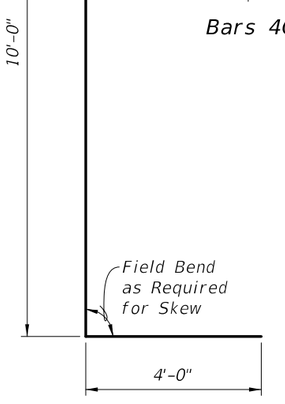



Bars 4C

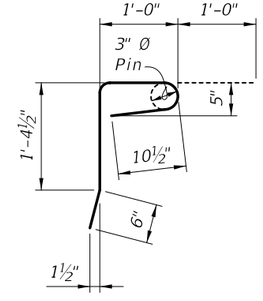
Bars 4H




Bars 5K




Bars 5L




Bars 4M

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| 01/01/11 | SJN | Changed No. Required Bars 3D1 and 3D2 in BILL OF REINFORCING STEEL. | | | |

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

2010 Interim Design Standard

# FLORIDA U 48 BEAM - STANDARD DETAILS

Interim Date 01/01/11

Sheet No. 3 of 3

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