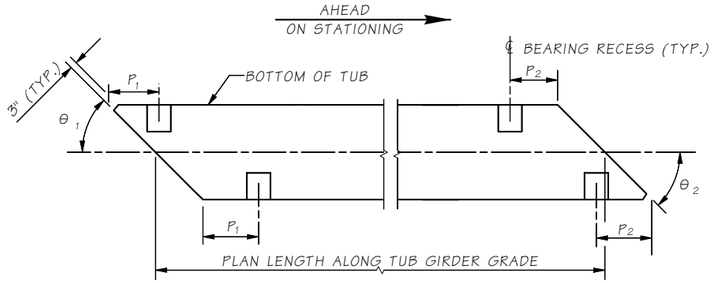
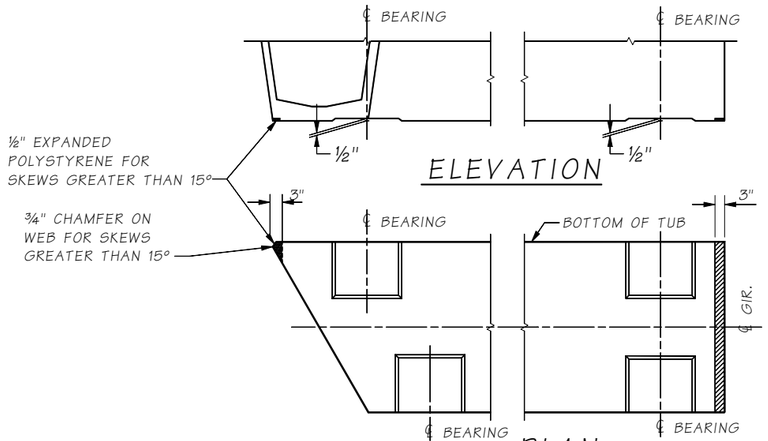
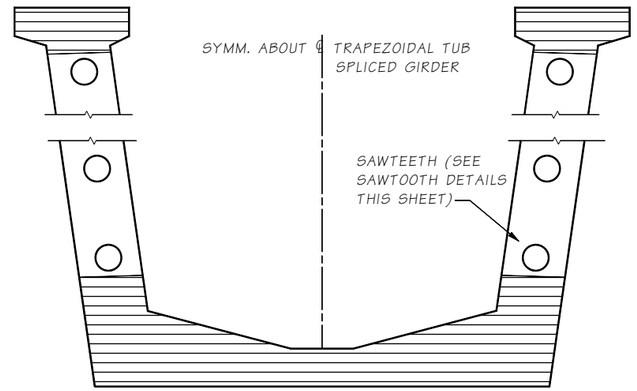



## BOTTOM OF TUB SPALL PROTECTION

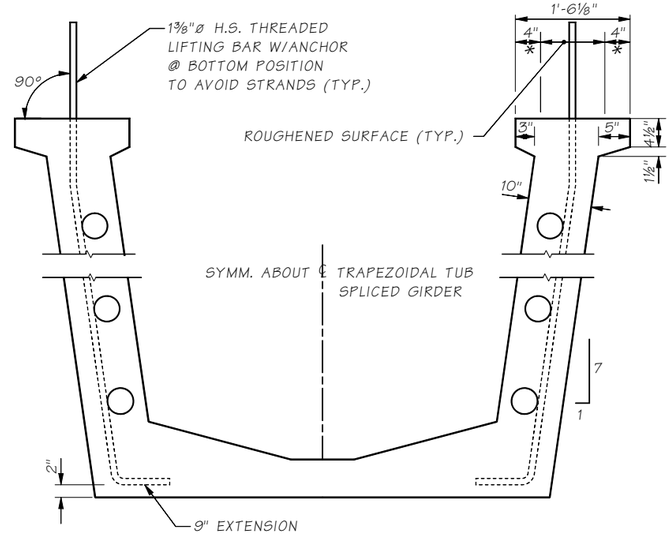
END TYPE "C" INTERMEDIATE HINGE DIAPHRAGM
AND END TYPE "D" INTEREMEDIATE FIXED DIAPHRAGM




***THE NUMBER OF LIFTING BARS SHALL BE BASED ON 54 KIPS PER EACH 1⅜" ø BAR.

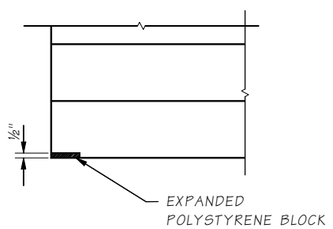
## TYPICAL END ELEVATION

EXTENDED STRANDS NOT SHOWN.
USE SAWTOOTH KEYS FROM BOTTOM OF BOTTOM FLANGE TO BOTTOM OF LOWEST HARPED STRANDS.

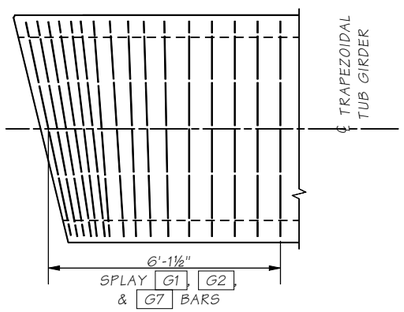



## P.C. SECTION

* SMOOTH FINISH ON TOP OF GIRDER

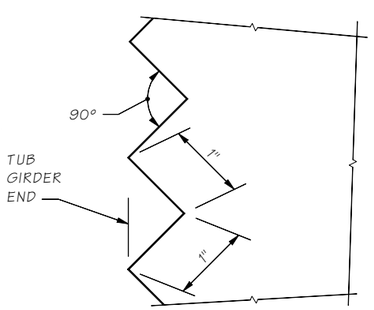



SECTION A




## TRANSVERSE REINFORCING AT SKEWED ENDS

ONLY TRANSVERSE REINF. SHOWN




## SAWTOOTH DETAILS

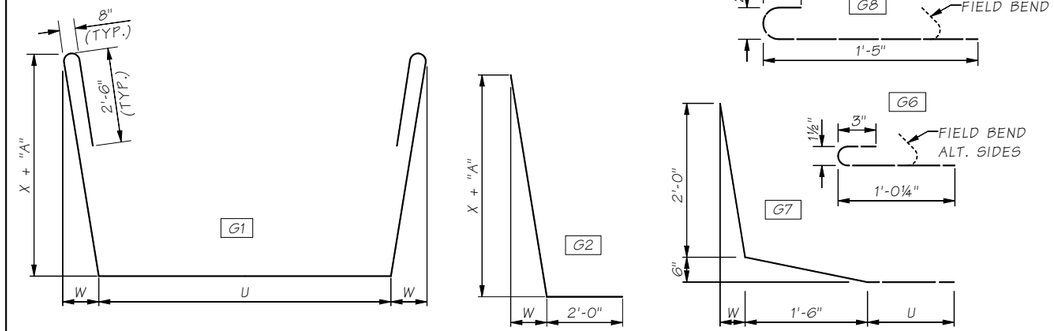
SAWTEETH ARE FULL WIDTH - USE SAWTEETH FULL HEIGHT ON END SECTIONS.

### BENDING DIAGRAM

| MARK | LOCATION | SIZE | U | W | X | ALL DIMENSIONS ARE OUT TO OUT |
|---|---|---|---|---|---|---|
| G1 | STIRRUPS, OUTSIDE WEB | 5 | | | | |
| G2 | STIRRUPS, INSIDE WEB | 5 | | | | |
| G3 | LONGITUDINAL BOTTOM FLANGE | 4 | | | | STR. |
| G4 | TOP WEB LONGITUDINAL | 6 | | | | STR. |
| G5 | LONGITUDINAL WEB | 5 | | | | STR. |
| G6 | WEB TIE | W12 | | | | ≠ #4 MAY BE SUBSTITUTED FOR W12, FIELD BENDING IS OPTIONAL |
| G7 | WEB | 4 | | | | |
| G8 | TOP TRANS. TIE | 4 | | | | |

* = VARIES FOR SKEWED SPANS

NOTE:
FOR DIMENSION "A", SEE "GIRDER SCHEDULE"




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bridge Design Engr. | M:\STANDARDS\Girders\PT Trapezoidal Tubs\SIP PT TRAPEZOIDAL TUB 3.MAN | | | | REGION NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| Supervisor | | | | | 10 | WASH. | | | |
| Designed By | | | | | JOB NUMBER | | | | |
| Checked By | | | | | | | | | |
| Detailed By | | | | | | | | | |
| Bridge Projects Engr. | | | | | | | | | |
| Prelim. Plan By | | | | | | | | | |
| Architect/Specialist | DATE | REVISION | BY | APPD | | | | | |

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

STANDARD PRESTRESSED CONCRETE GIRDERS

P.T. TRAPEZOIDAL TUB S-I-P DECK PANEL SPLICED GIRDERS - DETAILS 3 OF 5

BRIDGE SHEET NO.

SHEET OF SHEETS

SR JOB NO. SHEET

5.9-A5-3

Fri Mar 06 11:25:53 2015