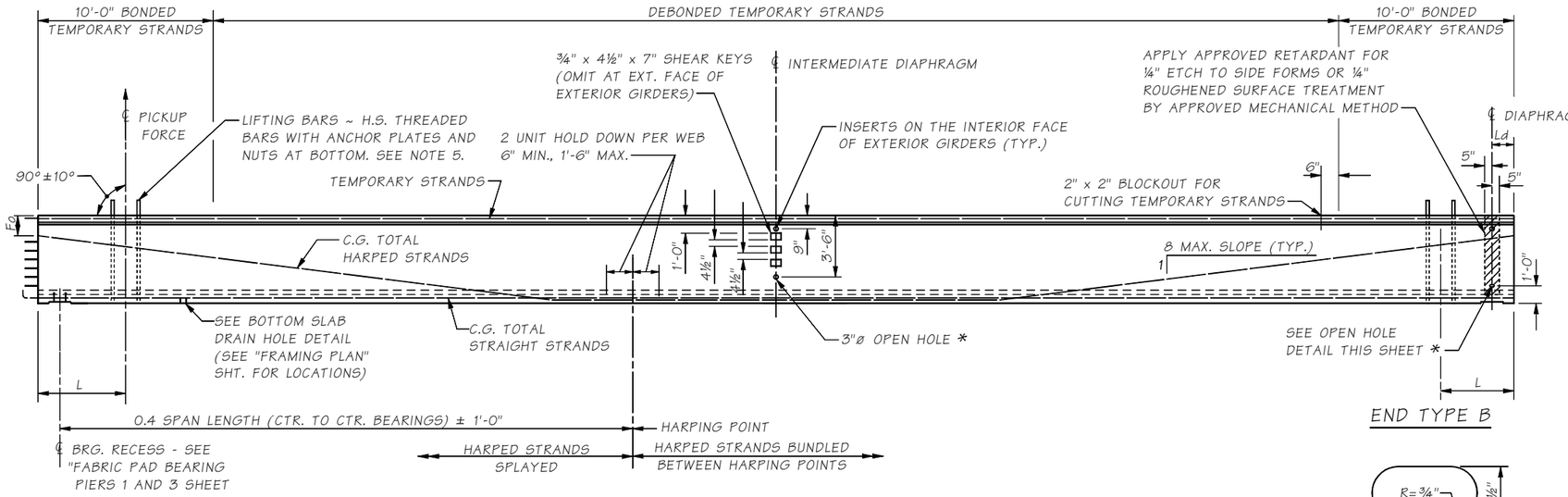
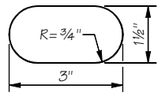


END TYPE A

GIRDER ELEVATION

END TYPE B

* OMIT HOLES AND PLACE INSERTS ON THE INTERIOR FACE OF EXTERIOR WEB OF EXTERIOR GIRDERS. PLACE HOLES AND INSERTS PARALLEL TO SKEW. INSERTS SHALL BE 1" BURKE HI-TENSILE, LANCASTER MALLEABLE, DAYTON-SUPERIOR F-62 FLARED THIN SLAB (1" x 4⅝") FERRULE OR APPROVED EQUAL. (TYP.)

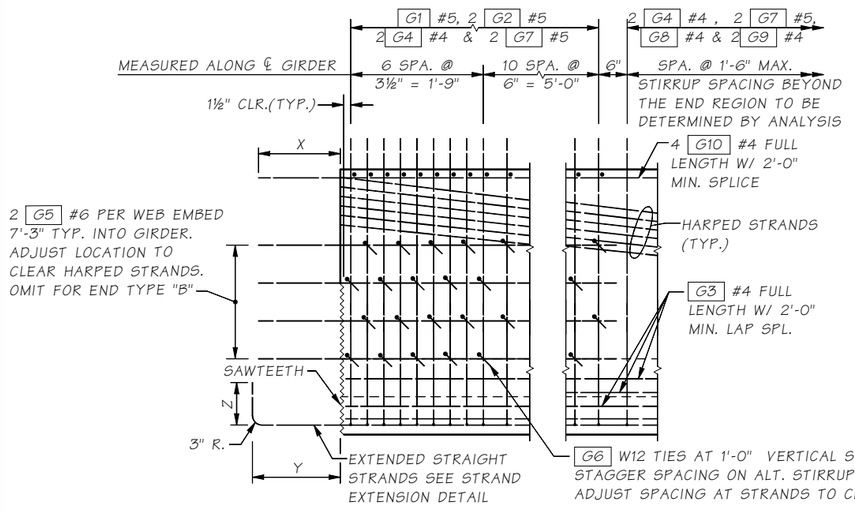


OPEN HOLE DETAIL

BOTTOM HOLE AT END TYPE "B" ONLY

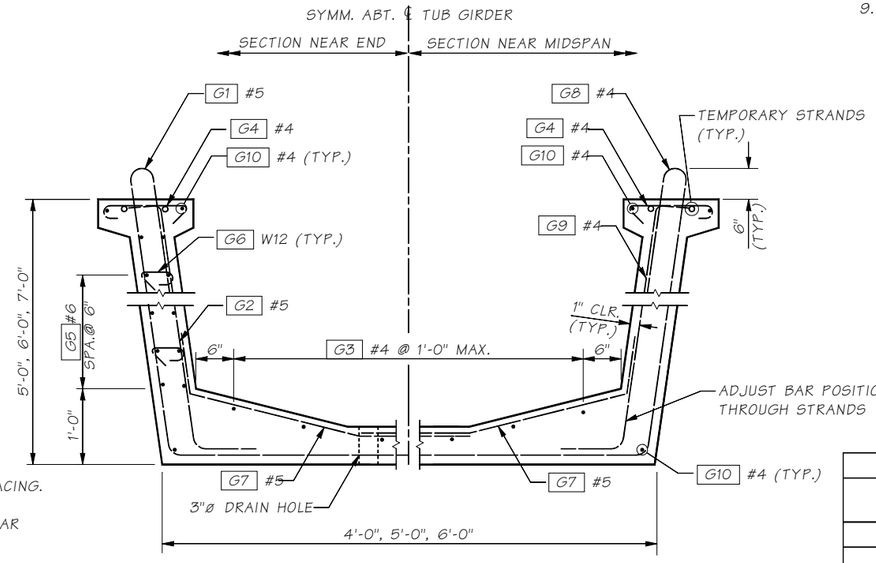
NOTES:

1. PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
2. ALL PRETENSIONED STRANDS SHALL BE [½"ø OR 0.6"ø] LOW RELAXATION STRANDS (AASHTO M203 GRADE 270.)
3. FOR END TYPES A, C AND D CUT ALL STRANDS FLUSH WITH THE GIRDER ENDS AND PAINT WITH AN APPROVED EPOXY RESIN, EXCEPT FOR EXTENDED STRANDS AS SHOWN. FOR END TYPE B CUT ALL STRANDS 1" BELOW CONCRETE SURFACE AND GROUT WITH AN APPROVED EPOXY GROUT.
4. THE TOP SURFACE OF THE GIRDER WEBS SHALL BE ROUGHENED IN ACCORDANCE WITH SECTION 6-02.3(25)H OF THE STANDARD SPECIFICATIONS.
5. LIFTING EMBEDMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 6-02.3(25)L OF THE STANDARD SPECIFICATIONS.
6. CAUTION SHALL BE EXERCISED IN HANDLING AND PLACING GIRDERS. ALL GIRDERS SHALL BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THEY ARE BRACED ADEQUATELY TO PREVENT TIPPING AND TO CONTROL LATERAL BENDING DURING SHIPPING.
7. FORMS FOR BEARING PAD RECESSES SHALL BE CONSTRUCTED AND FASTENED IN SUCH A MANNER AS TO NOT CAUSE DAMAGE TO THE GIRDER DURING THE STRAND RELEASE OPERATION.
8. TEMPORARY STRANDS ARE PRETENSIONED OR POST-TENSIONED. IF PRETENSIONED, THESE TEMPORARY STRANDS SHALL BE DEBONDED OVER ALL BUT THE END 10'-0" OF THE GIRDER LENGTH. AS AN ALTERNATE, TEMPORARY STRANDS MAY BE POST-TENSIONED BEFORE THE GIRDER IS LIFTED FROM THE FORM. TEMPORARY STRANDS SHALL BE CUT BEFORE THE INTERMEDIATE DIAPHRAGMS ARE CAST. PATCH RECESS WITH CEMENTITIOUS GROUT; DO NOT ALLOW MOISTURE IN RECESS PRIOR TO GROUTING.
9. P.C. GIRDER ENDS SHALL BE PLUMB IN THE FINAL GIRDER'S ERECTED POSITION.



TYPICAL END ELEVATION

END TYPE C SHOWN - OTHER END TYPES SIMILAR.



SECTION ~ REINFORCEMENT

FOR DRAIN HOLE LOCATIONS SEE "FRAMING PLAN" SHEET.

¼ points of span for span lengths over 120'-0".
⅓ points of span for span lengths 80'-0" TO 120'-0".
Midpoint of span for span lengths 40'-0" TO 80'-0".

Notes to designer						
DIAPHRAGM TYPE	END TYPE	BEARING RECESS	X	Y	Z	SAWTEETH
End diaph. on girder	A	YES	1'-10"	1'-6"	9"	YES
"L" Abutment	B	YES	0	0	0	NO
Hinge diaph.on interm. pier	C	NO	1'-10"	1'-6"	9"	YES
Fixed diaph.@ interm. pier	D	NO	1'-10"	ALT. 1 OR ALT. 2 STRAND EXTEN.		YES
Mult. simple spans @ interm. pier	E	YES	0	0	0	NO

Bridge Design Engr.	M:\STANDARDS\Girders\Trapezoidal Tubs\SIP TRAPEZOIDAL TUB 1.MAN							
Supervisor					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO. / TOTAL SHEETS
Designed By					10	WASH.		
Checked By					JOB NUMBER			
Detailed By								
Bridge Projects Engr.								
Prelim. Plan By								
Architect/Specialist	DATE	REVISION	BY	APP'D				

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

STANDARD PRESTRESSED CONCRETE GIRDERS

TRAPEZOIDAL TUB S-I-P DECK PANEL GIRDER DETAILS 1 OF 4

BRIDGE SHEET NO. | SHEET OF SHEETS

SR JOB NO. SHEET 5.6-A17-1

Tue Apr 29 13:44:44 2008