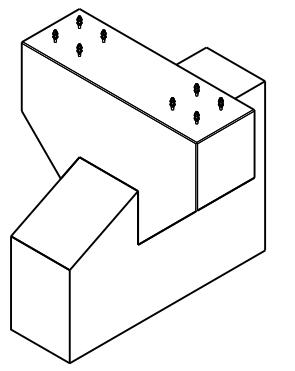
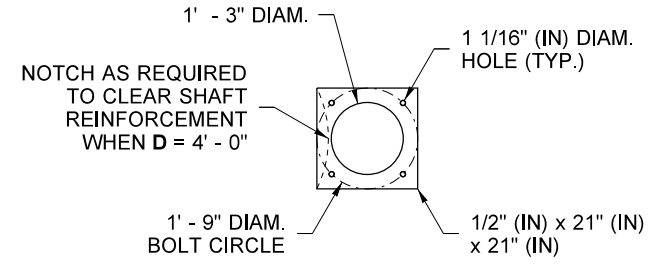
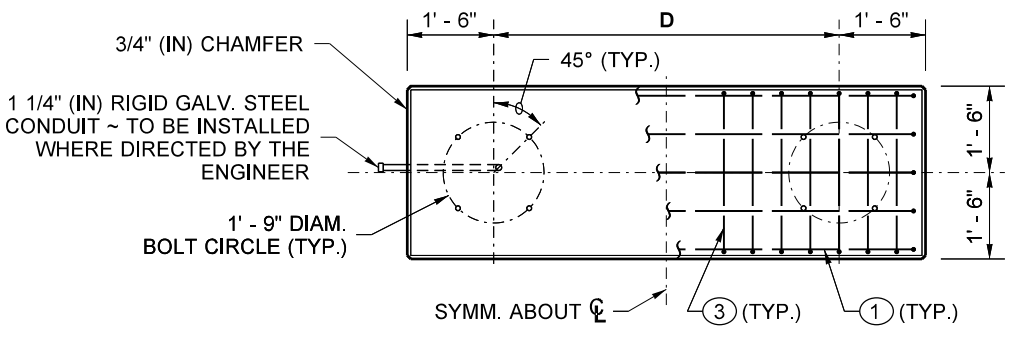
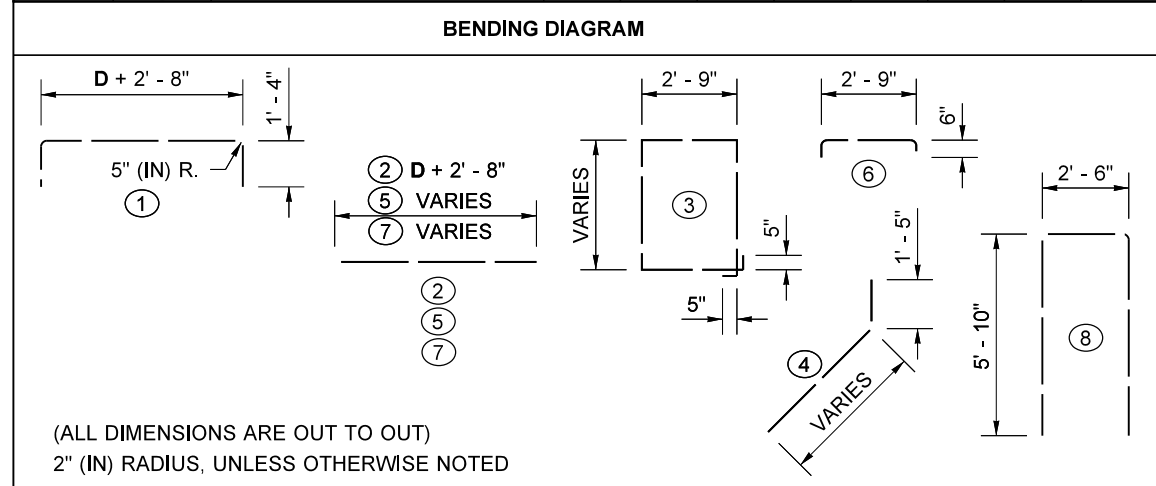


TABLE					ALLOWABLE LATERAL BEARING PRESSURE (PSF)	
VARIABLES		SPAN LENGTH				
		60' OR LESS	61' TO 90'	91' TO 120'	120' TO 150'	
DIMENSION ~ D		4' - 0"	5' - 0"	6' - 0"	7' - 0"	
BAR SPACES ~ N		2	3	6	10	
SHAFT DEPTH ~ Z	TYPE 2	5' - 6"	6' - 6"	7' - 6"	8' - 6"	2500 OR BETTER
	TYPE 3	7' - 0"	8' - 6"	10' - 0"	11' - 6"	1500 - 2499

MATERIAL SPECIFICATIONS	
CONCRETE	CLASS 4000P
STEEL REINF. BAR	AASHTO M 31 GRADE 60
ANCHOR RODS	ASTM F 1554 GRADE 105
ANCHOR NUTS	AASHTO M 291
ANCHOR WASHERS	AASHTO M 293
ANCHORAGE GALVANIZING	AASHTO M 232
ANCHOR PLATE	ASTM A 36

BAR LIST										
FOUNDATION TYPE	MARK	LOCATION	SPAN LENGTH							
			60' OR LESS		61' TO 90'		91' TO 120'		120' TO 150'	
			QTY.	SIZE	QTY.	SIZE	QTY.	SIZE	QTY.	SIZE
2 AND 3	①	CAP - TOP	4	6	4	7	5	8	6	8
	②	CAP - SIDES	14	4	16	4	18	4	18	4
	③	CAP - HOOPS	6	4	8	4	14	4	22	4
	④	CAP - BOTTOM	8	6	8	7	10	8	12	8
	⑤	FND. WALL - VERTICAL	30	6	42	6	42	7	50	7
	⑥	FND. WALL - TIES	8	5	8	5	8	5	8	5
	⑦	FND. WALL - HORIZONTAL	4	5	4	5	4	5	4	5
2	⑧	FND. WALL - HORIZONTAL	8	5	8	5	10	5	12	5
3	⑧	FND. WALL - HORIZONTAL	10	5	12	5	14	5	16	5

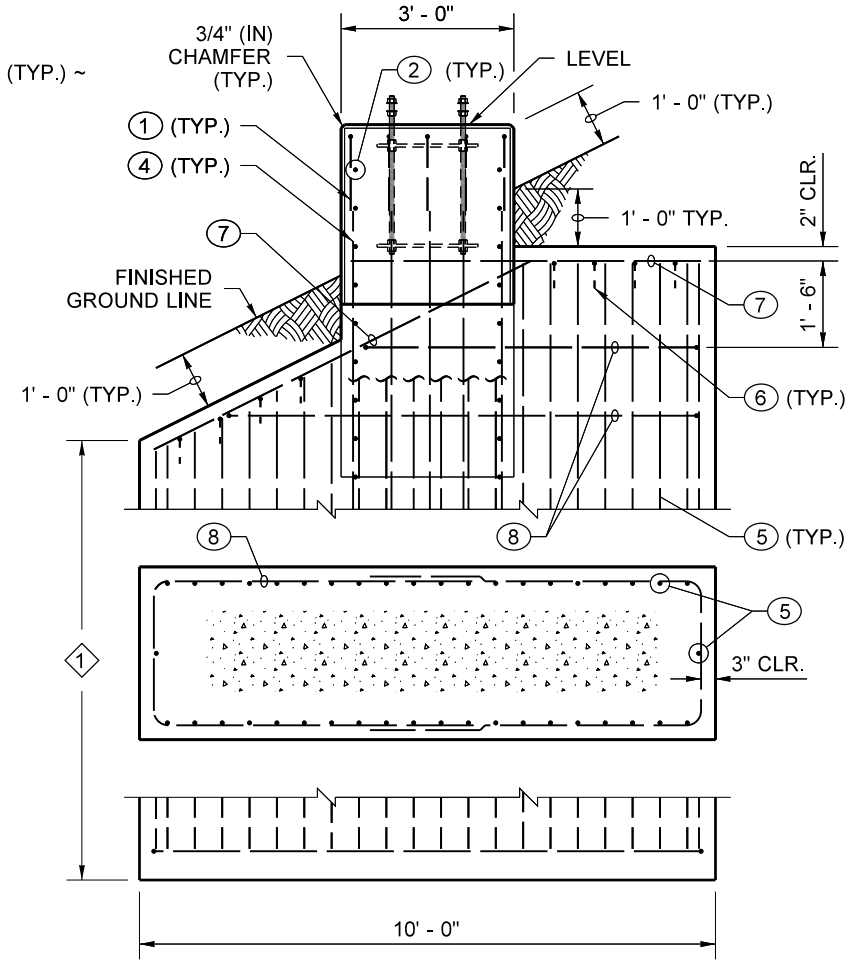
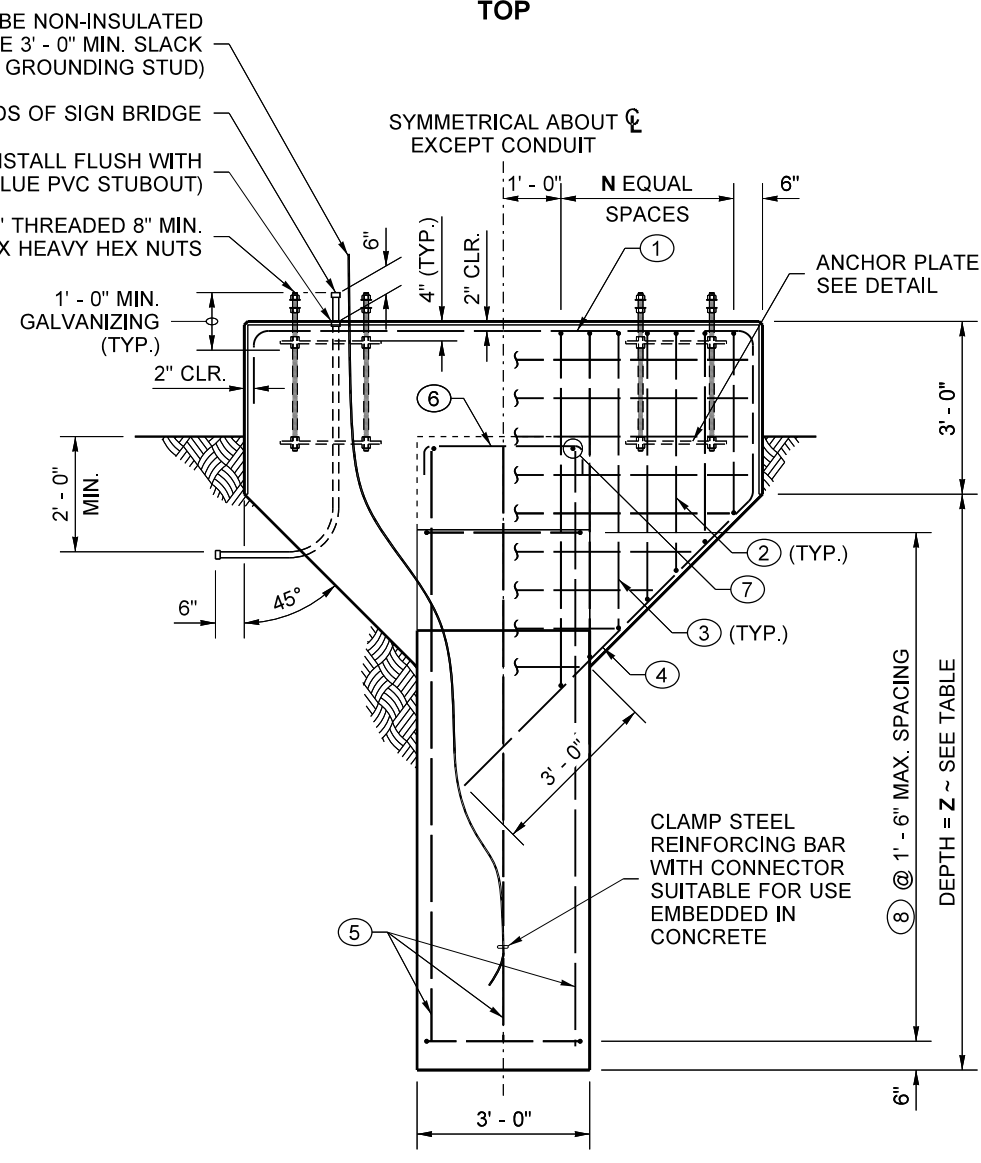


GROUNDING CONDUCTOR SHALL BE NON-INSULATED #4 AWG STRANDED COPPER ~ PROVIDE 3' - 0" MIN. SLACK (ROUTE TO GROUNDING STUD)

INSTALL CONDUIT ON BOTH ENDS OF SIGN BRIDGE

CONDUIT COUPLING ~ INSTALL FLUSH WITH TOP OF BARRIER (DO NOT GLUE PVC STUBOUT)

ANCHOR ROD ~ 1" (IN) DIAM. x 2' - 9" THREADED 8" MIN. EACH END; WITH TWO WASHERS AND SIX HEAVY HEX NUTS



① Concrete below finished ground line shall be placed directly against undisturbed earth, or alternately, backfill placed around foundation shall be compacted in conformance with **Standard Specification, Section 2-09.3(1)e**, method 1 or 4. All formwork shall be removed.

FOUNDATION TYPES 2 & 3

FILE NAME	S:\Design R P& S\4-Standards\2-Plan Sheet Library\02-PSL Work in Progress\Fern\SD-15) Sign Bridge (Truss Type) Foundation Types 2 & 3\SD-15.e.dgn	REGION NO.	STATE	FED. AID PROJ. NO.	Washington State Department of Transportation	SD-15
TIME	9:46:34 AM	10	WASH			
DATE	7/25/2019	JOB NUMBER			CANTILEVER SIGN STRUCTURE (TRUSS TYPE) FOUNDATION TYPES 2 & 3	SHEET 1 OF 1 SHEETS
PLOTTED BY	liddelf	CONTRACT NO.				
DESIGNED BY		LOCATION NO.				
ENTERED BY						
CHECKED BY						
PROJ. ENGR.						
REGIONAL ADM.						
REVISION		DATE	BY			