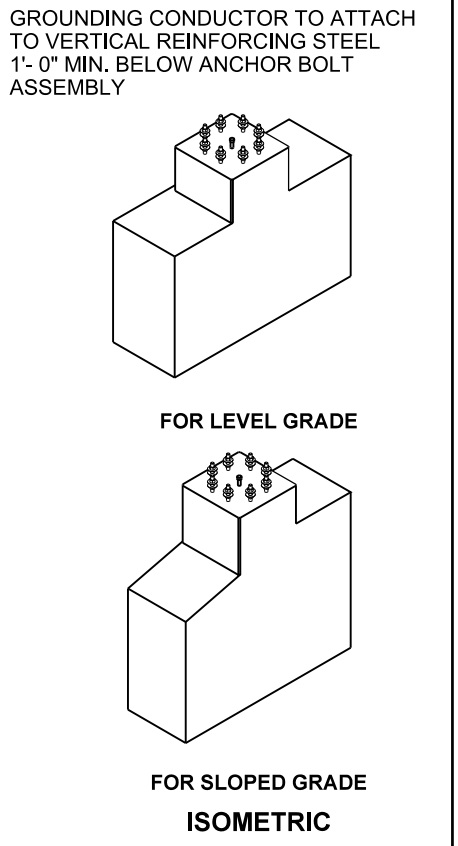
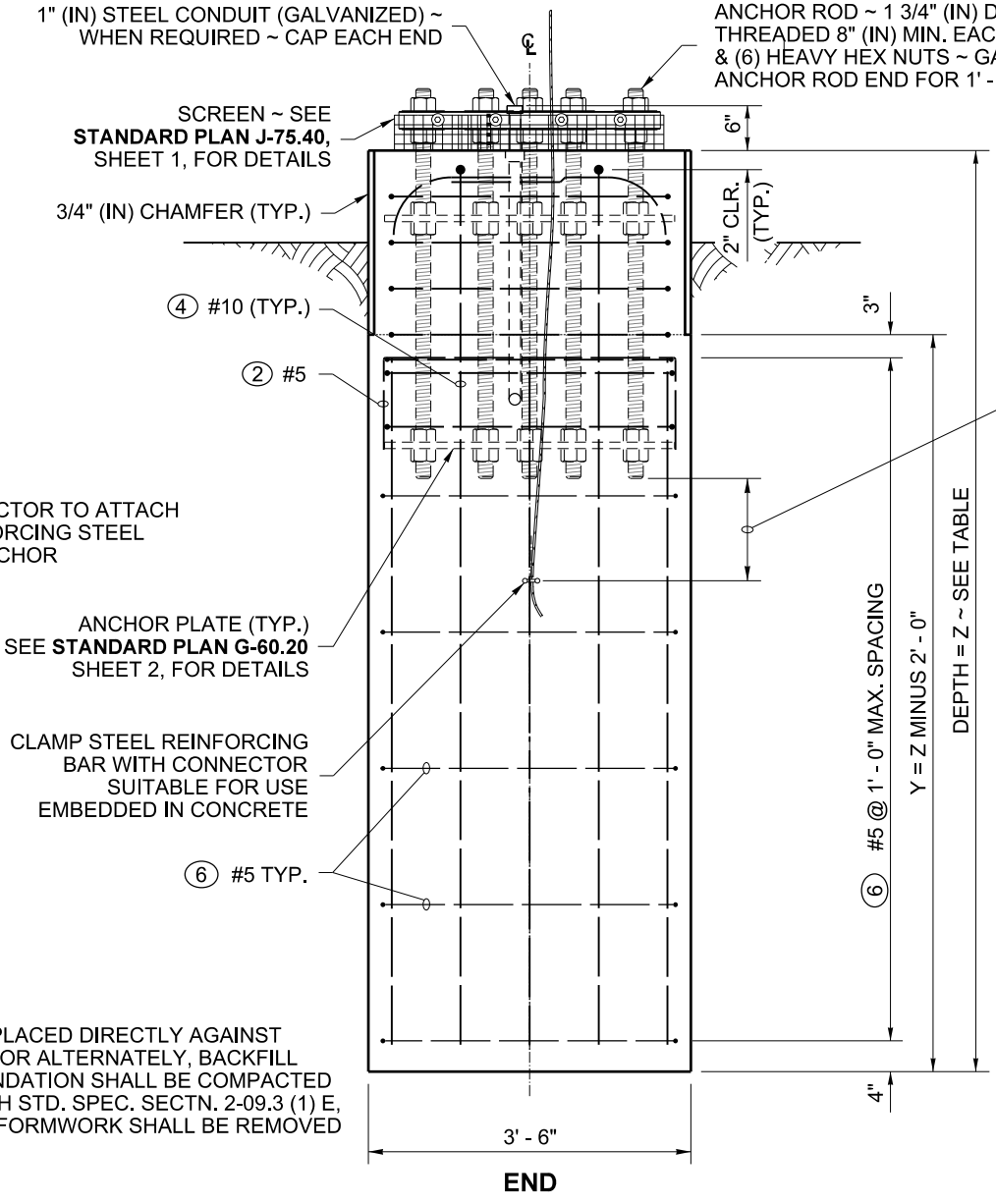
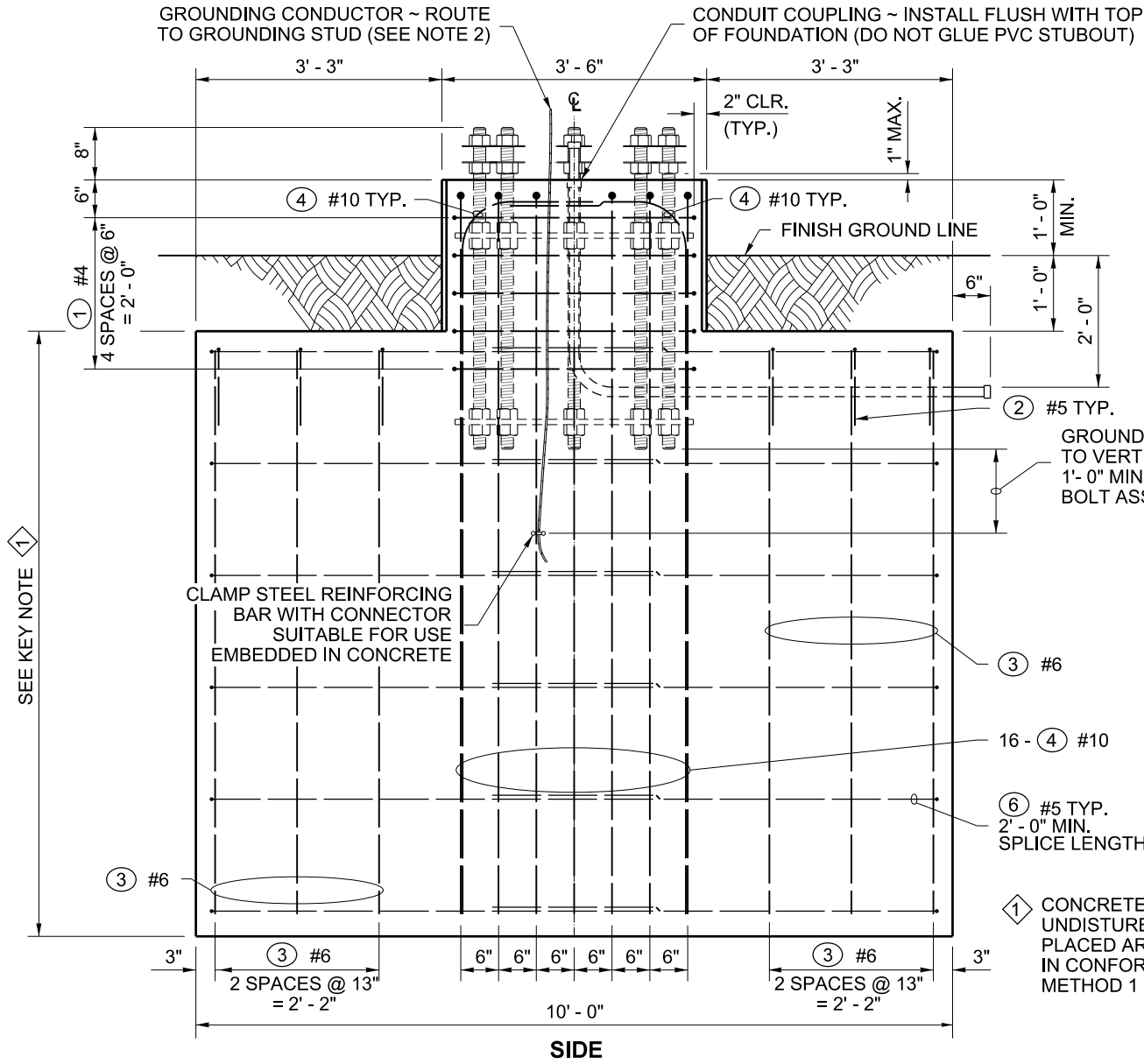


- NOTES**
1. See **Standard Specification, Section 8-21.3(9)** for construction requirements.
 2. Grounding Conductor shall be non-insulated #4 AWG stranded copper. Provide 3'-0" min. slack.

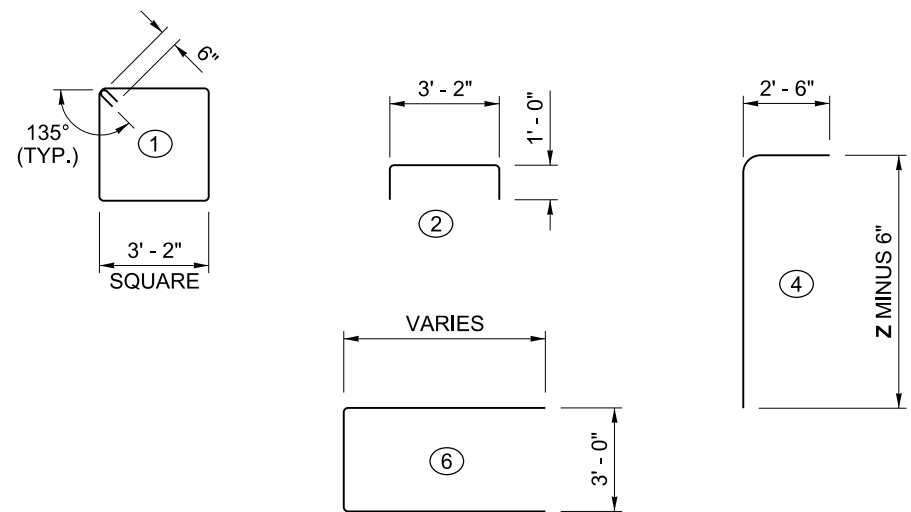


FILE NAME: S:\Design R P& S\4-Standards\2-Plan Sheet Library\02-PSL Work in Progress\Fern\SD-I2) Cantilever sign Structure (Truss Type) Fdn. Types 2 & 3\SD-I2.dgn		REGION NO. 10		STATE WASH		FED. AID PROJ. NO.		SD-12	
TIME: 1:27:40 PM		JOB NUMBER		CONTRACT NO.		LOCATION NO.		SHEET 1 OF 2 SHEETS	
DATE: 7/25/2019		P.E. STAMP BOX		DATE		DATE		CANTILEVER SIGN STRUCTURE (TRUSS TYPE) FOUNDATION TYPES 2 & 3	
PLOTTED BY: liddelf		DESIGNED BY:		ENTERED BY:		CHECKED BY:		REVISION	
DESIGNED BY:		DATE		BY		DATE		BY	
ENTERED BY:		DATE		BY		DATE		BY	
CHECKED BY:		DATE		BY		DATE		BY	
PROJ. ENGR.:		DATE		BY		DATE		BY	
REGIONAL ADM.:		DATE		BY		DATE		BY	

BAR LIST ~ TYPES 2 AND 3

MARK	LOCATION	TOTAL SIGN AREA			
		200 SF OR LESS		+ 200 SF - 400 SF	
		QTY.	SIZE	QTY.	SIZE
①	PEDESTAL HOOP	5	#4	5	#4
②	FOUNDATION WALL TIES	6	#5	6	#5
③	FOUNDATION VERTICALS	14	#6	14	#6
④	PEDESTAL VERTICALS	16	#10	16	#10
⑤	FOUNDATION WALL HORIZONTALS AT SLOPE	2	#5	2	#5
⑥	FOUNDATION WALL HORIZONTALS	VARIES SEE PLANS	#5	VARIES SEE PLANS	#5

BENDING DIAGRAM



VALUES OF Z

FOUNDATION TYPE	TOTAL SIGN AREA		ALLOWABLE LATERAL BEARING PRESSURE (PSF)
	200 SF OR LESS	200 SF ~ 400 SF	
	Z	Z	
TYPE 2	9' - 0"	11' - 0"	2500 OR GREATER
TYPE 3	11' - 0"	13' - 6"	NOT LESS THAN 1500

MATERIAL SPECIFICATIONS

CONCRETE	CLASS 4000P
STEEL REINF. BAR	AASHTO M 31 GRADE 60
ANCHOR RODS	ASTM F 1554 GRADE 105
ANCHOR NUTS	ASTM A 563 GRADE DH
ANCHOR WASHERS	ASTM F436
ANCHORAGE GALVANIZING	AASHTO M 232
ANCHOR PLATE	ASTM A 36

FILE NAME S:\Design R P& S\4-Standards\2-Plan Sheet Library\02-PSL Work in Progress\Fern\SD-I2) Cantilever sign Structure (Truss Type) Fdn. Types 2 & 3\SD-I2.dgn

TIME 9:15:17 AM

DATE 7/25/2019

PLOTTED BY liddelf

DESIGNED BY

ENTERED BY

CHECKED BY

PROJ. ENGR.

REGIONAL ADM.

REGION NO. STATE

10 WASH

JOB NUMBER

CONTRACT NO.

FED. AID PROJ. NO.

LOCATION NO.

REVISION

DATE

BY

P.E. STAMP BOX

P.E. STAMP BOX



**CANTILEVER SIGN STRUCTURE (TRUSS TYPE)
FOUNDATION TYPES 2 & 3**

SD-12

SHEET
2
OF
2
SHEETS