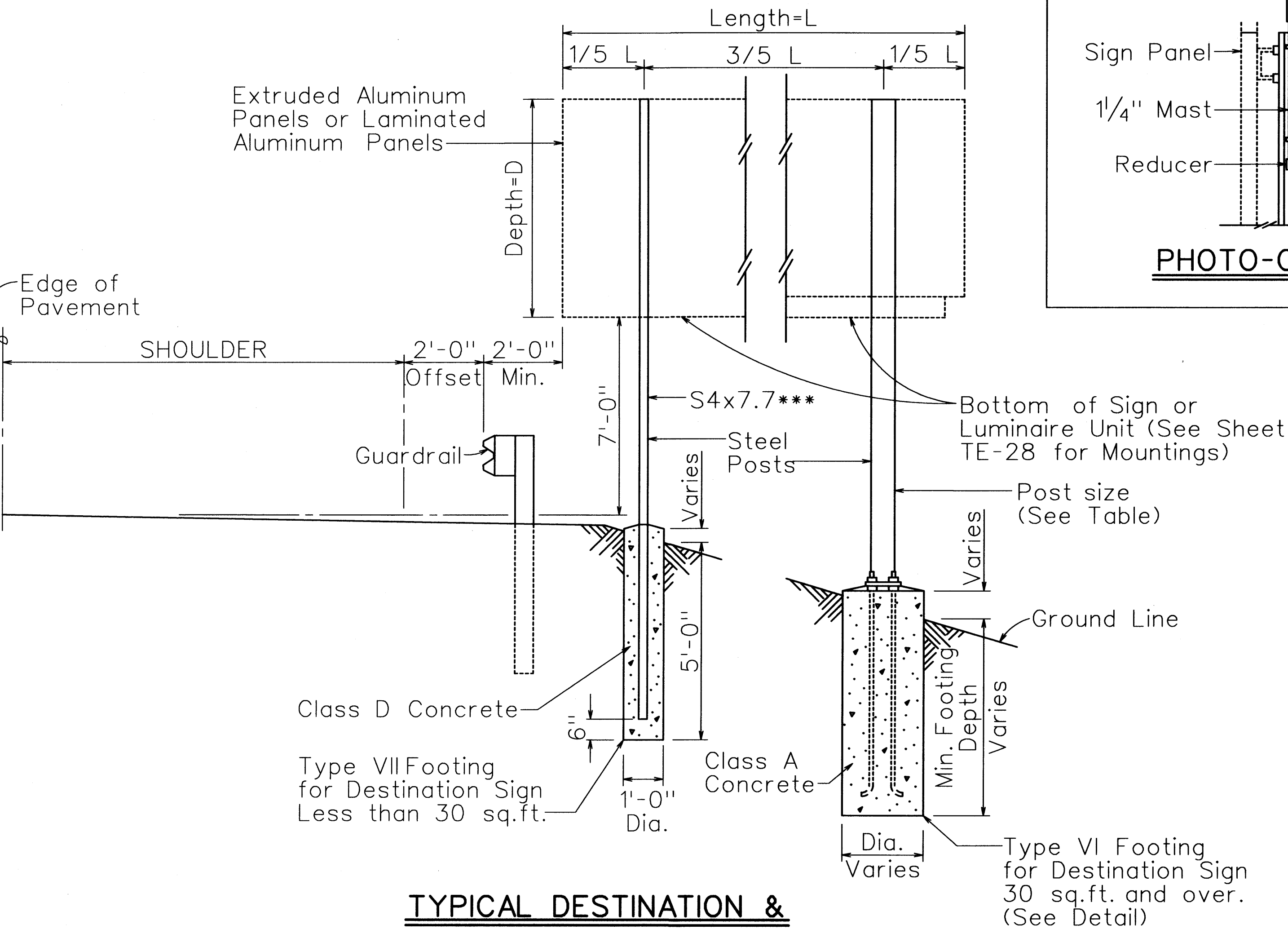


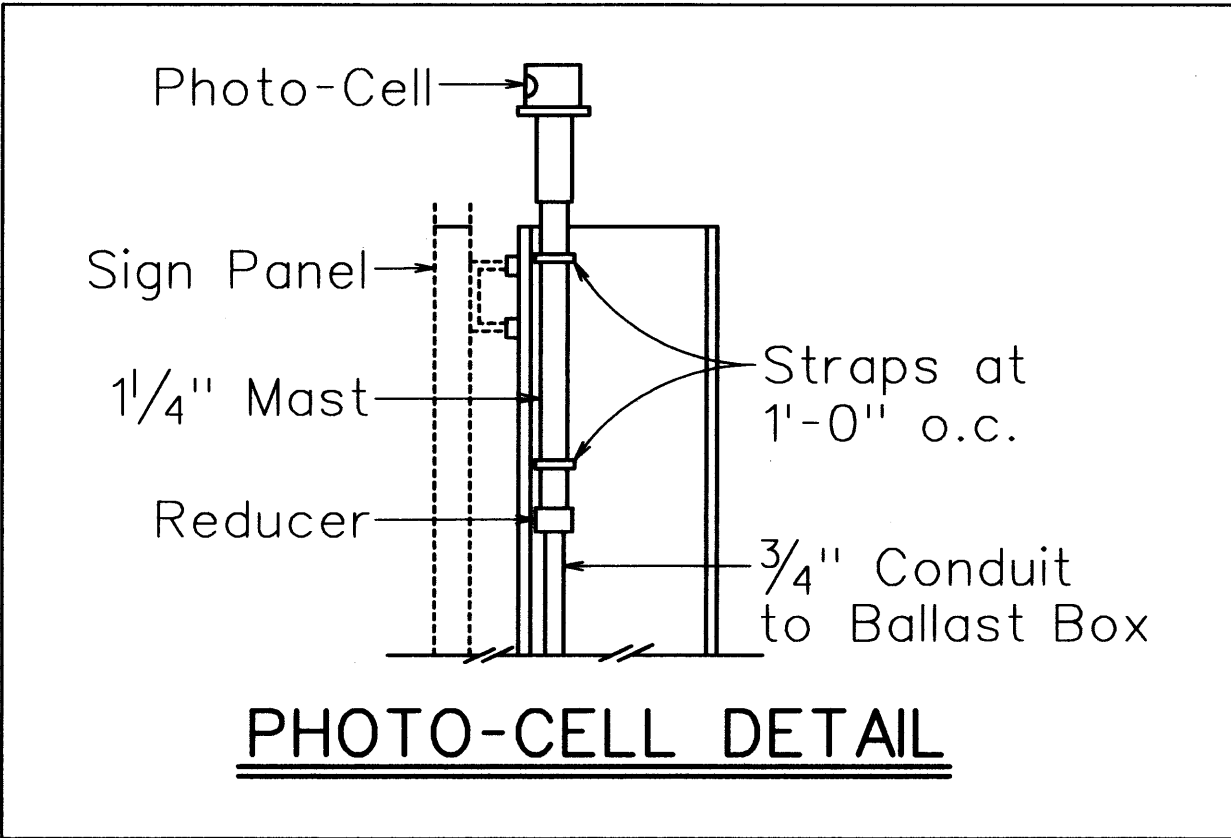
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19J-01-10	2010	17	25

DATA TABLE FOR TYPE VI FOOTING*****																		
POST SIZE ***	MAXIMUM SIGN AREA	POST HEIGHT TOP OF FOUNDATION TO CENTER OF SIGN*	D I M E N S I O N S												ANCHOR BOLT DETAIL	MINIMUM FOOTING DEPTH		BARS Z SIZE
			H	J	K	M	N	O	P	S	T	U	V	W		CUT	FILL**	
W6x12	70 sq.ft.	10'	14"	5"	24"	17 1/4"	15 5/8"	6"	1 1/4"	9"	6"	10"	2"	1"	1 1/8" ∅	4 1/2'	4 1/2'	#7
W6x16	110 sq.ft.	13'	↓	↓	↓	↓	↓	↓	1 3/8"	↓	↓	↓	↓	1 1/4"	↓	↓	5'	
W8x24	150 sq.ft.	16'	16 1/2"	6 3/4"	30"	20"	13 3/4"	↓	↓	11 3/4"	6 1/2"	↓	↓	1 1/2"	1 1/4" ∅	5'	5 1/2'	#8
W8x28	170 sq.ft.	20'	↓	↓	↓	↓	↓	↓	1 1/2"	↓	↓	↓	↓	1 3/4"	1 3/8" ∅	5 1/2'	6 1/2'	
W8x31	190 sq.ft.	20'	16 1/4"	6 7/8"	↓	↓	1 7/8"	↓	1 5/8"	11 7/8"	6 1/4"	↓	↓	↓	1 1/2" ∅	6'	↓	
W10x33	230 sq.ft.	20'	20 1/4"	4 7/8"	↓	24"	↓	↓	↓	10 7/8"	8 1/4"	12"	↓	2"	↓	7'	7'	
W10x39	250 sq.ft.	20'	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	7 1/2'	

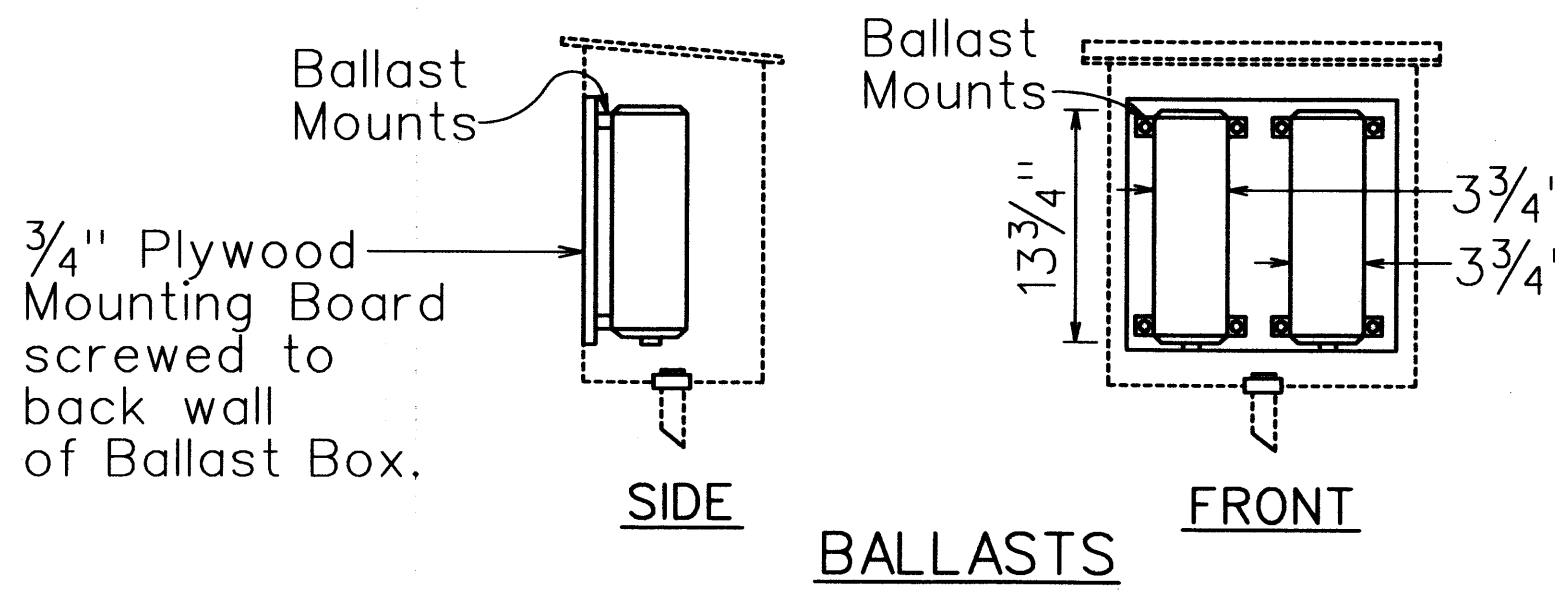
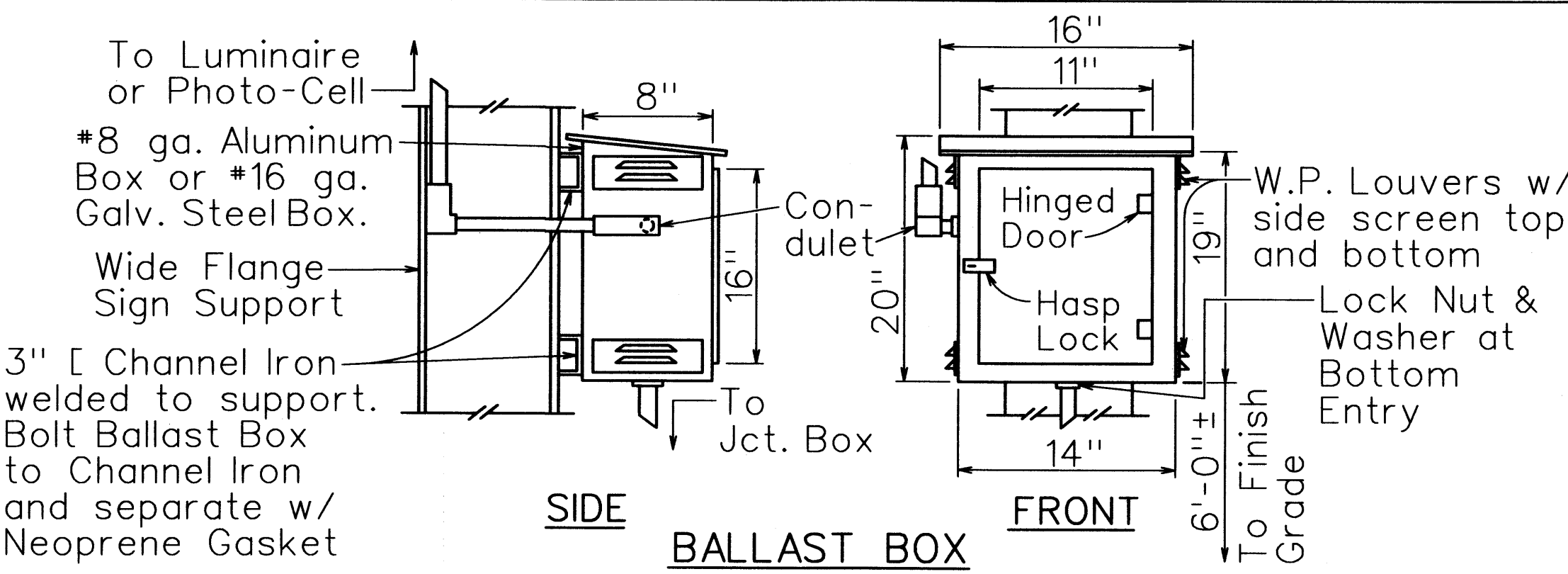
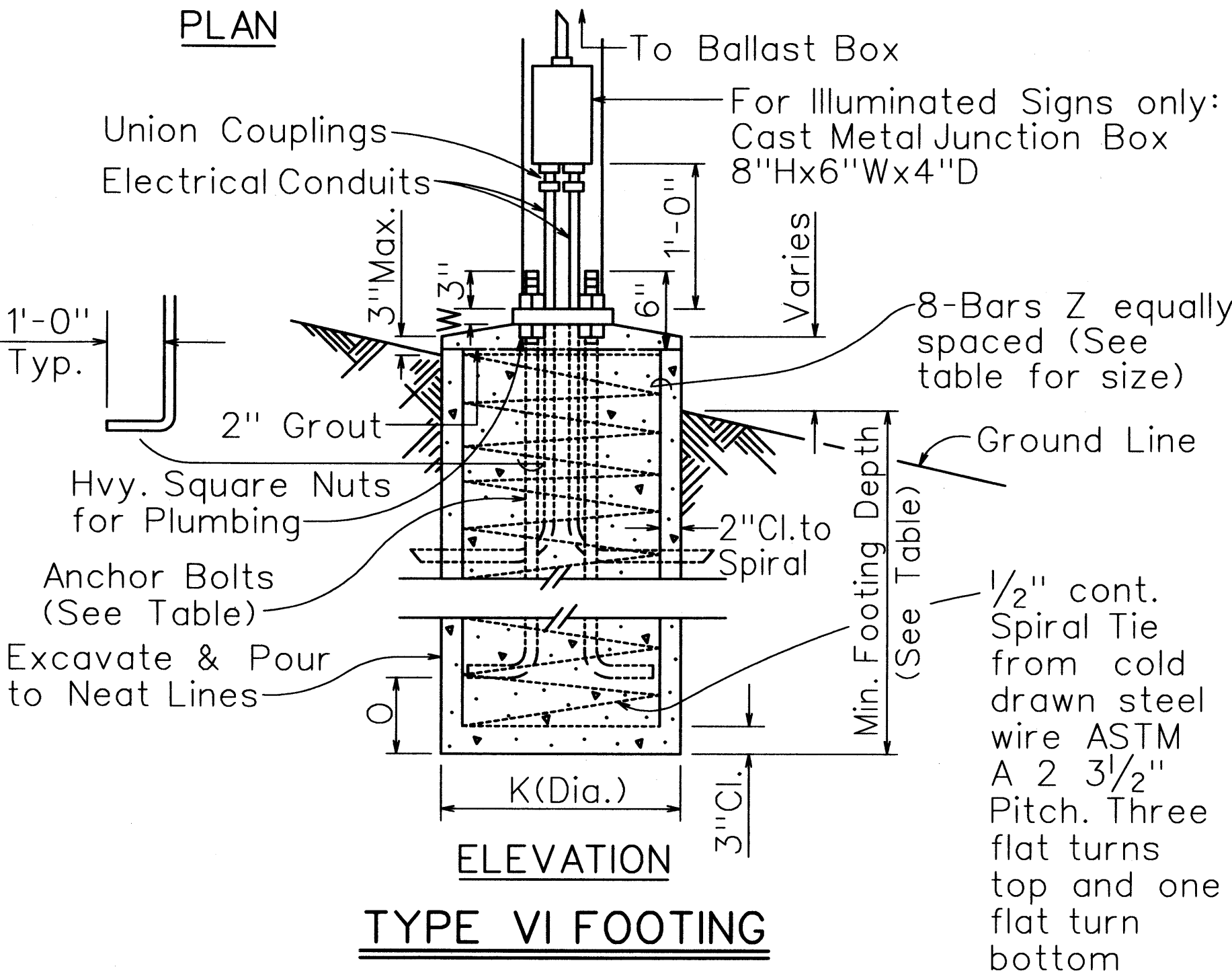
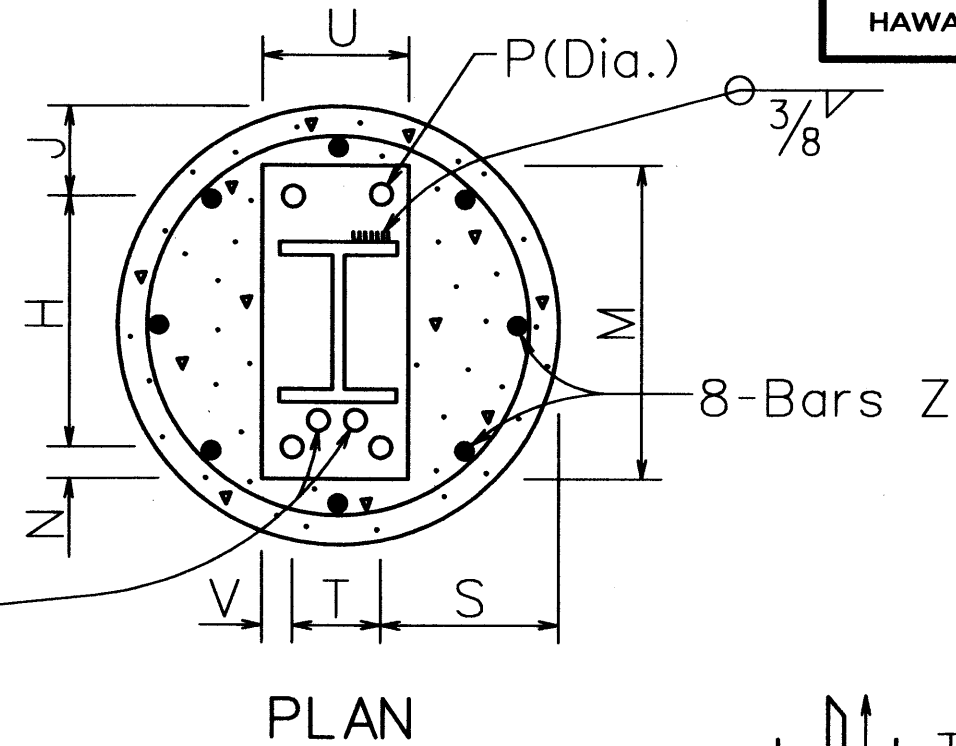
*For moment calculations only. Post shall be from top of foundation to top of sign.
 **For fills with side slopes flatter than 4:1, Minimum Footing Depth shall be 4 1/2 feet.
 *** All posts shall conform to ASTM A 36.
 **** Foundations in this table are for signs that are not exposed to vehicle traffic or protected from vehicle traffic by approved crash tested barrier.



TYPICAL DESTINATION & GROUND MOUNTED EXPRESSWAY SIGN



For Illuminated Signs only:
 Openings for Electrical Conduits. Dia. shall be 1/4" larger than O.D. of Electrical Conduit. Seal with Mastic.



WEATHERPROOF BALLAST BOX

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

SUPPORTS FOR GROUND MOUNTED GUIDE SIGN

HAWAII BELT ROAD

SAFETY IMPROVEMENTS

In the Vicinity of Papaikou Mill Road

Project No. 19J-01-10

Scale: NTS

Date: Nov., 2009