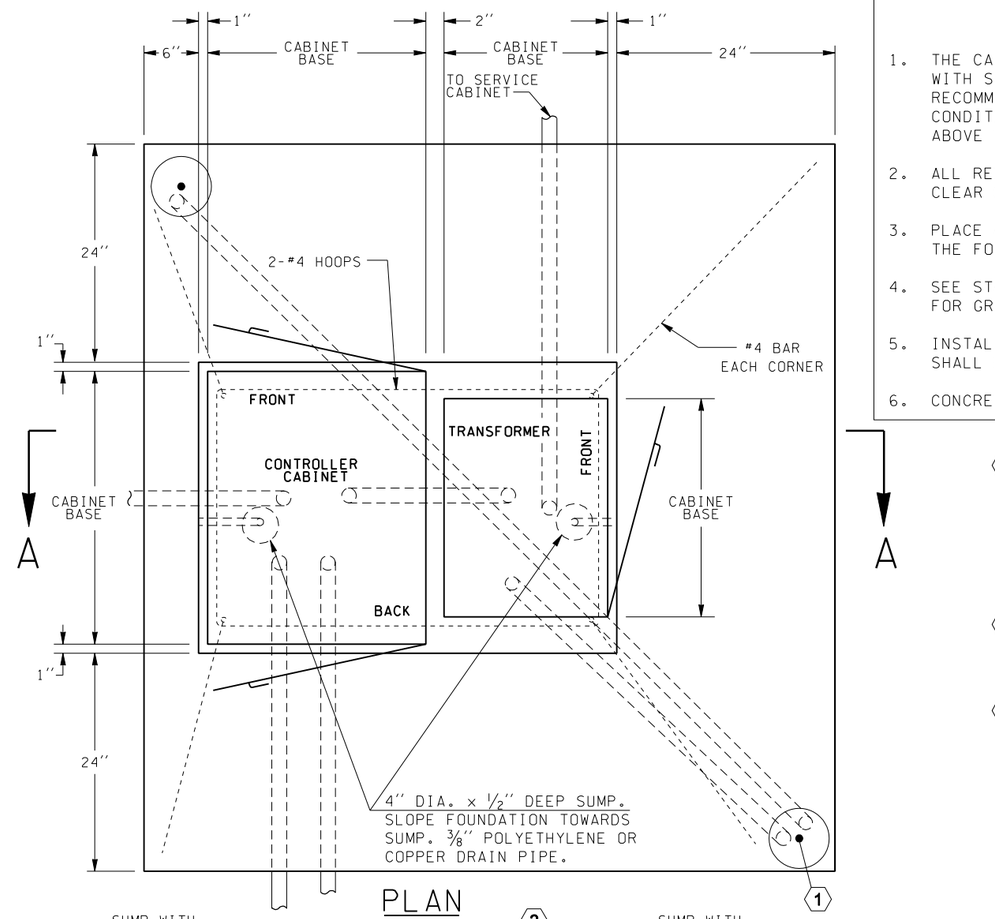
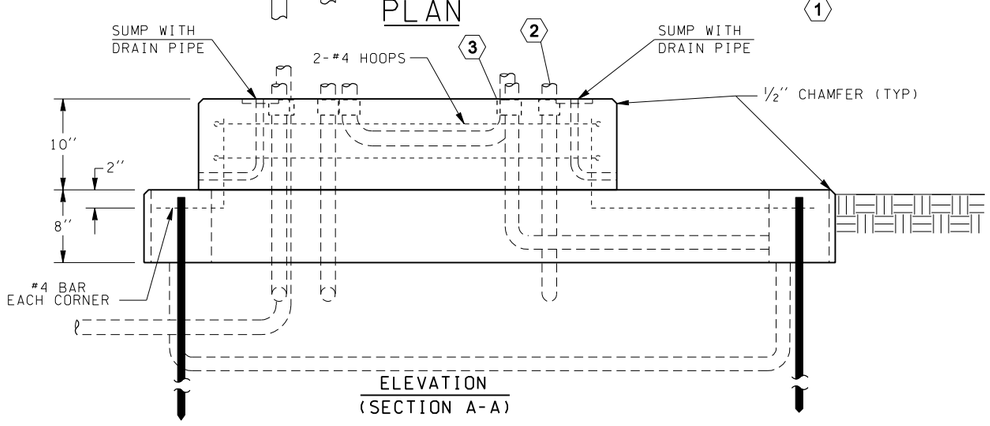


PLAN



ELEVATION
(SECTION A-A)

CONTROLLER CABINET AND
TRANSFORMER ON PAD FOUNDATION

GENERAL NOTES

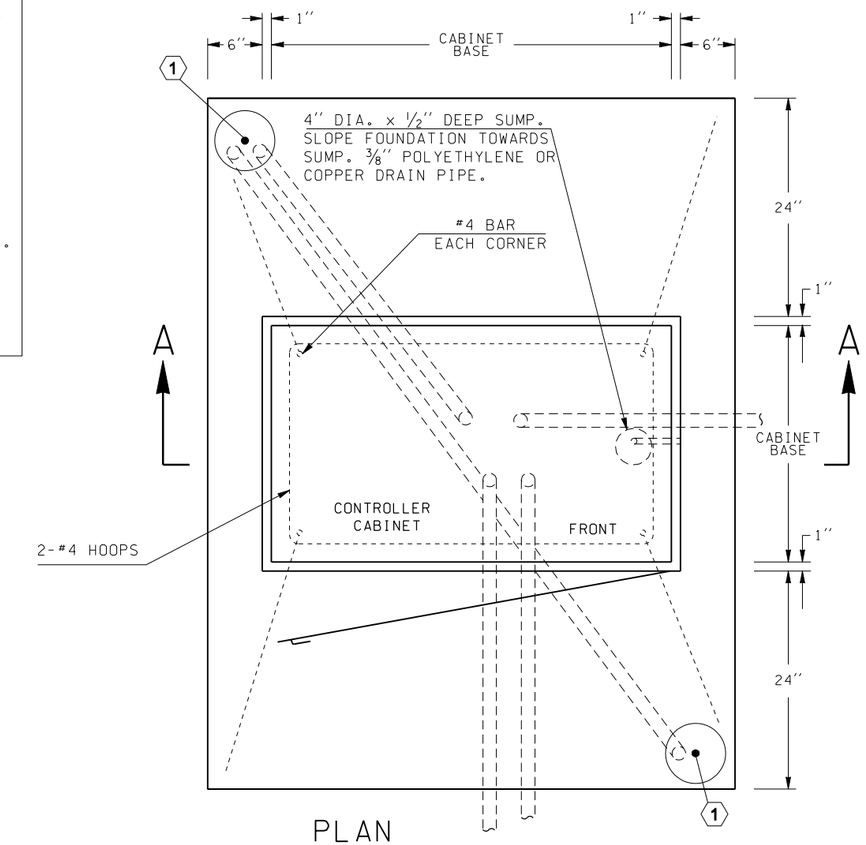
1. THE CABINETS SHALL BE ATTACHED TO THE FOUNDATION WITH STAINLESS STEEL CINCH BOLTS PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL BE DONE IN DRY CONDITIONS. BOLTS SHALL EXTEND A MINIMUM OF 1 1/2" ABOVE THE CONCRETE PAD.
2. ALL REINFORCING STEEL SHALL HAVE A MINIMUM OF 2" CLEAR COVER.
3. PLACE A 1/2" SILICONE SEAL BETWEEN THE CABINETS AND THE FOUNDATION.
4. SEE STANDARD PLAN J-9a "TYPICAL GROUNDING DETAILS" FOR GROUNDING DETAILS. TWO GROUND RODS ARE REQUIRED.
5. INSTALL CONDUIT AS INDICATED IN PLANS. CONDUIT SHALL EXTEND 2" ABOVE THE FOUNDATION.
6. CONCRETE SHALL BE CLASS 3000.

(1) DRIVE GROUND RODS BEFORE PLACING CONCRETE. MOVE ROD(S) AND DRAIN TILE(S) WITH COVER(S) AS REQUIRED TO ACHIEVE FULL GROUND PENETRATION. MAINTAIN A 6' MINIMUM CLEARANCE BETWEEN GROUND RODS AS DETAILED ON STD. PLAN J-9a "TYPICAL GROUNDING DETAILS".

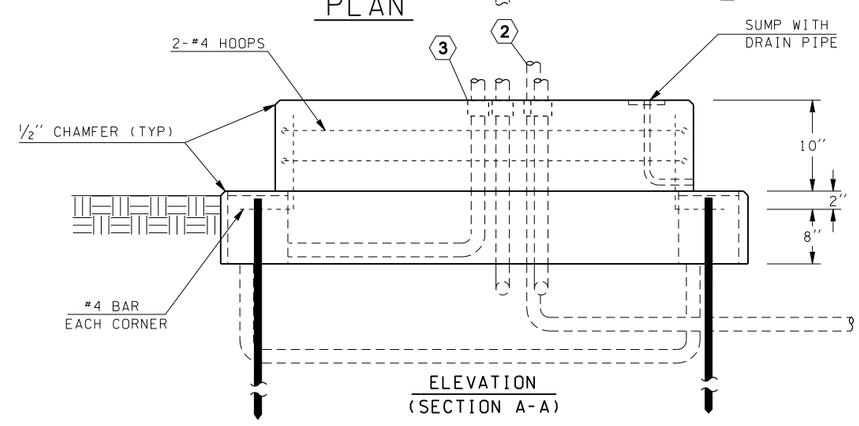
(2) ALL CONDUIT PENETRATING CABINET SHALL BE TERMINATED WITH GROUNDING END BUSHING AND BONDED TO THE CABINET GROUNDING BUS.

(3) INSTALL CONDUIT COUPLINGS ON ALL CONDUITS. PLACE COUPLINGS FLUSH WITH TOP OF CONCRETE FOUNDATION.

CONTROLLER CABINET BASE	SIZE LxW
TYPE 332	24"x30"
NEMA P44	44"x24"
TYPE 334	
TRANSFORMER	**SIZE LxW**



PLAN



ELEVATION
(SECTION A-A)

CONTROLLER CABINET
ON PAD FOUNDATION

FILE NAME	S:\414126\Electrical\MASTER_FILES\DETAILS Homepage\CONTROL_E.dgn						
TIME	02:23:30 PM	P332 DIMENSION CHANGE	4-15-03	JH	REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	04/07/2005	TITLE CHNG, NOTE EDITS	11-20-02	JH			
		COMBINED BOTH FOUND. DETAILS TOGETHER	10-14-02	JH			
DESIGNED BY		DGN TO SCALE, MOVED CAB	9-25-02	JH	JOB NUMBER		
ENTERED BY		TITLE CHANGE	7-16-02	JH			
CHECKED BY		CLEAN UP DIMENSIONS	6-5-02	JH	CONTRACT NO.		LOCATION NO.
PROJ. ENGR.		GENERAL NOTE #4	7-26-99	JH			
REGIONAL ADM.		REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SIGNAL CONTROLLER CABINET AND TRANSFORMER ON PAD FOUNDATION

ENGLISH

PLOT1

8.01E

SHEET OF SHEETS