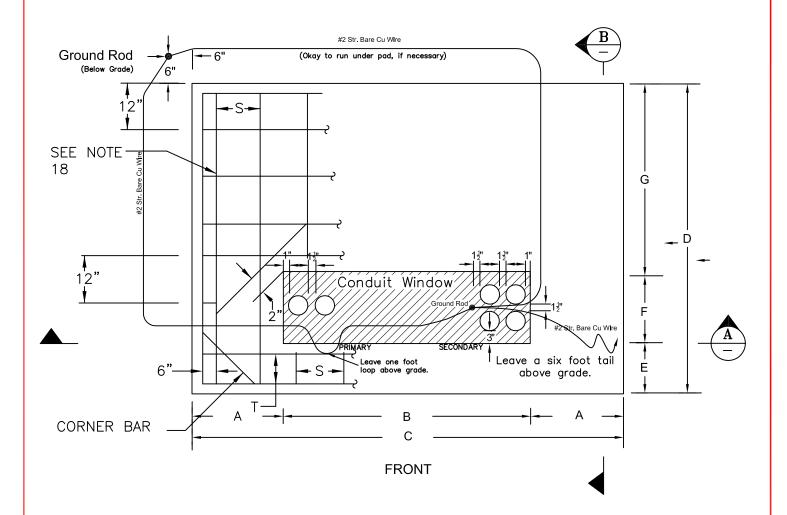
## PAD & REINFORCING BAR DIMENSIONS

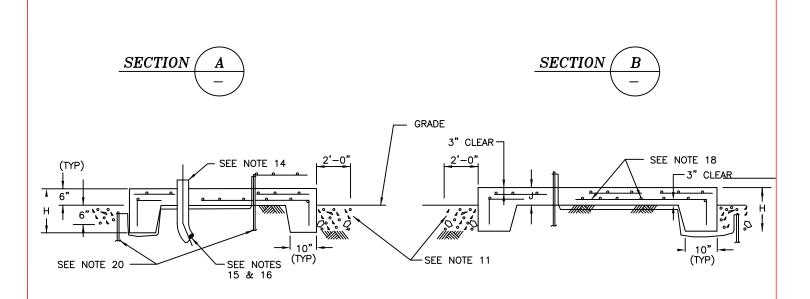


TRANSFORMER		PAD DIMENSIONS, INCHES										
KVA	LBS(APROX)	Α	В	С	D	Ε	F	G	H**	J**	S**	T**
* 25-75 1Ø	2500	12	30	54	60	10	15	35	12	6	12	6
75-112.5	3000-4500	20	40	80	74	15	20	39	12	6	12	10
150-500	4000-6500	20	48	88	74	15	20	39	12	6	12	10
750-1000	9000-11000	26	48	100	100	15	24	61	15	9	6	10
1500	13000	26	56	108	114	15	24	75	15	9	4	10
2000-2500	20000	29	56	114	120	15	24	81	15	9	4	10

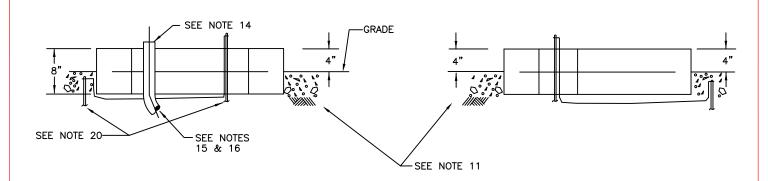
 $<sup>\</sup>boldsymbol{\star}$  THIS PAD SHOULD BE USED FOR SINGLE PHASE 75 KVA TRANSFORMERS, NOT THREE PHASE 75 KVA TRANSFORMERS.

<sup>\*\*</sup> REQUIREMENT FOR PADS POURED IN PLACE

		11	6-15	REVISED NOTES, GENERAL REVI	ISION	π
		10	2-09	GENERAL REVISION		TT
APPROVED 3 1994	ENGINEERING STANDARD	9	7–97	REVISED NOTES	М	IJ/TF
an Conigned O	CONCRETE TRANSPORTER DAR	8	1-97	REVISED PAD DIMENSIONS	P'	V/TL
MIN DESCRIPTION	CONCRETE TRANSFORMER PAD	7	5-96	REVISED PAD DIMENSIONS	P	V/TL
ENGRAMAGE PE		REV	DATE	DESCRIPTION	Α	PPR
DRAWN HAS MAN	CITY OF PALO ALTO		NTS	DT-SS-C-1005	1 OF	4
CHECK PEV	CALIFORNIA	S	CALE	STANDARD NO.	SHEET I	NO.

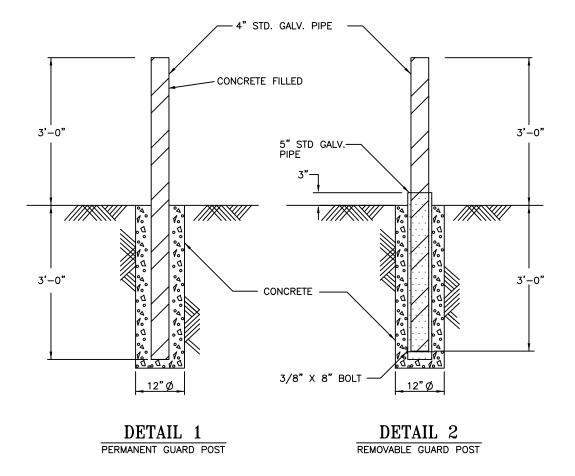


DETAILS FOR PADS POURED IN PLACE



DETAILS FOR PRECAST PADS

		11	6-15	CORRECTED REFERENCE NUMBERS	П
APPROVED	ENGINEERING STANDARD	5	2-09	GENERAL REVISION	П
no Chighed a	CONCRETE TRANSFORMER PAD	4	7–99	REVISED NOTES / ADDED NOTE 1	9 TF/SF
WIND STOPPEN	CONCRETE TRANSPORMER TAD	3	2-88	GENERAL NOTES	
ENGRA MANAGER		REV	DATE	DESCRIPTION	APPR
DRAWN AND MJ	CITY OF PALO ALTO	ı	NTS	DT-SS-C-1005 2	OF 4
CHECKED PEV	PEV CALIFORNIA		CALE	STANDARD NO. SH	EET NO.



USE REMOVABLE GUARD POSTS WHEN INSTALLED LESS THAN 8 FEET IN FRONT OF EQUIPMENT DOORS OR WHERE PERMANENT POSTS WOULD OBSTRUCT ACCESS FOR INSTALLATION OR MAINTENANCE.

GUARD POST INSTALLATION MUST BE COORDINATED WITH CONDUIT INSTALLATION TO AVOID CONFLICTS.

CONTACT CPAU ENGINEERING OR UNDERGROUND INSPECTOR FOR GUARD POST PLACEMENT LOCATIONS DETAIL.

APPROVED 3₫1994	ENGINEERING STANDARD					
an CO some d O	CONCEDED TO MICEODATE DAD	5	2-09	GENERAL REVISION		TT
WW Designation	CONCRETE TRANSFORMER PAD	3	2-88	GENERAL REVISION		
ENGR. MANGER		REV	DATE	DESCRIPTION		APPR
DRAWNY UED MJ MJ	CITY OF PALO ALTO	١	NTS	DT-SS-C-1005	3 0	F 4
CHECKEN PEV	CALIFORNIA		CALE	STANDARD NO.	SHEE	T NO.

## **NOTES**

- DISTURBED EARTH UNDER THE PAD SHALL BE REPLACED BY SAND OR OTHER SUITABLE MATERIAL COMPACTED TO 95% OF MAXIMUM DRY DENSITY (ASTM D-1557). COMPACTION TEST RESULTS SHALL BE PROVIDED TO THE CPAU INSPECTOR.
- 2. PLACE 6" DEPTH ONE SACK, PER CUBIC YARD, SLURRY IMMEDIATELY BELOW THE PAD.
- 3. CONCRETE IS REQUIRED BETWEEN ALL CONDUITS, LEVEL TO TOP OF THE PAD.
- 4. CONCRETE SHALL BE DESIGNED TO ATTAIN A STRENGTH OF 3000 PSI IN 28 DAYS.
- 5. AFTER PLACING, MOIST CURE CONCRETE FOR 7 DAYS BEFORE PLACING EQUIPMENT.
- 6. WOOD FLOAT FINISH TOP OF SLAB. ALL EDGES AND CORNERS ARE TO BE FINISHED SMOOTH.
- 7. EXPOSED HORIZONTAL SURFACES ARE TO BE SLOPED SLIGHTLY FOR DRAINAGE.
- 8. A MINIMUM OF 6 FEET SHALL BE MAINTAINED BETWEEN GROUND RODS.
- 9. CAP ALL CONDUITS.
- 10. CONTACT CPAU FOR APPROVED PRE-CAST TRANSFORMER PADS.
- 11. PADS NOT SECURED IN PLACE BY CONCRETE OR ASPHALT SHALL HAVE A 2' WIDE BY 6" DEEP STRIP OF 90% COMPACTED GRAVEL ALONG ALL EDGES.
- 12. A MINIMUM OF 3 FEET OF RADIAL CLEARANCE BETWEEN THE TRANSFORMER PAD AND ANY OTHER STRUCTURE SHALL BE PROVIDED (SEE NOTE 21).
- 13. IF THE TRANSFORMER IS TO BE LOCATED IN AN AREA SUBJECTED TO VEHICULAR TRAFFIC, BARRIERS SHALL BE PROVIDED IN ACCORDANCE WITH DETAIL 1 OR 2 ON SHEET 3. CONTACT CPAU ENGINEERING OR UG INSPECTOR FOR THE TYPE, NUMBER REQUIRED, AND LOCATION OF BARRIERS.
- 14. PLASTIC CONDUITS SHALL BE TERMINATED WITH END BELLS. GALVANIZED STEEL CONDUITS SHALL BE TERMINATED WITH GROUND BUSHINGS. ALL CONDUITS AND ENDS WILL BE TO THE FINAL GRADE OF THE PAD.
- 15. CONDUIT RISER BENDS SHALL HAVE A MINIMUM RADIUS OF 36".
- 16. PRIMARY CONDUITS SHALL BE LOCATED IN THE LEFT HALF OF THE CONDUIT OPENING. SECONDARY CONDUITS SHALL OCCUPY THE RIGHT HALF. (SEE SHEET 1)
- 17. CLEARANCE AROUND THE TRANSFORMER PAD SHALL BE PER CPAU STANDARD DWG. DT-CL-U-1031.
- 18. ALL REBAR SHALL BE #4 A-615 GRADE 40. REBAR JOINTS SHALL BE FIRMLY AND SECURELY HELD IN POSITION BY WIRING AT INTERSECTIONS WITH NO. 16 GAUGE WIRE.
- 19. THE MAXIMUM NUMBER OF CONDUITS ENTERING THE SECONDARY SLOT SHALL BE FOUR. CONTACT THE ELECTRIC UTILITY PROJECT ENGINEER FOR DESIGNS REQUIRING MORE THAN FOUR SECONDARY CONDUITS.
- 20. GROUND ROD AND CLAMP, 5/8" X 8'. SEE CPAU STANDARD DWG. # DT-SS-U-1001 FOR MATERIALS INFORMATION.
- 21. TRANSFORMER ANCHORS SHALL BE INSTALLED BY CPAU ACCORDING TO MANUFACTURER'S INSTRUCTIONS. EXPANSION BOLT SHALL BE "PARABOLT" BY MOLY OR APPROVED EQUIVALENT. MINIMUM EMBEDMENT LENGTH AND EDGE DISTANCE SHALL MEET THE MANUFACTURER'S REQUIREMENTS.
- 22. A MINIMUM OF 8 FEET CLEARANCE SHALL BE MAINTAINED FROM THE FRONT OF THE PAD FOR OPERATIONAL NEEDS. A MINIMUM OF 3 FEET SHALL BE MAINTAINED ON UNOPERABLE SIDES AND BACK. ALL MEASUREMENTS ARE TAKEN FROM THE EDGE OF THE PAD. SEE CPAU ENGINEERING STANDARD DT-CL-U-1031.
- 23. UNLESS OTHERWISE APPROVED BY CPAU, A BOX SHALL BE INSTALLED NEXT TO THE TRANSFORMER PAD. PRIMARY CONDUITS ENTERING THE PAD WILL FIRST GO TO THIS BOX. REFER TO APPLICABLE LAYOUT DRAWING FOR LOCATION AND SIZE. SEE CPAU STANDARD DWG. # DT-SS-U-1002 FOR BOX INSTALLATION DETAILS.

		11	6-15	REVISED NOTES	π
APPROVED1994	ENGINEERING STANDARD	5	2-09	GENERAL REVISION	тт
no Cocignod a	CONCRETE TRANSFORMER PAD	4	7–99	REVISED NOTES / ADDED NOTE 19	TF/SF
WIND THE THE	CONCRETE TRANSPORMER TAD	3	2-88	GENERAL NOTES	
ENGRAMAGE E		REV	DATE	DESCRIPTION	APPR
DRAWNY THE MU	CITY OF PALO ALTO	ı	NTS	DT-SS-C-1005 4	OF 4
CHECKED PEV	CALIFORNIA		CALE	STANDARD NO. SHE	ET NO.