

PROFILE FIGURE 2

PAD M&S NUMBER	TRANSFORMER KVA	SECONDARY VOLTAGE	MAX. NUMBER OF CONDUCTORS & SIZE	MAX. NUMBER OF CONDUITS & SIZES	A	B	C	D	E	F	G
162-750-277	750	277/480 V	8 SETS 750KCMIL AL 750KCMIL CU*	8 - 5" MAX.	78	78	18	60	25	16	9
162-750-120	750	120/208 V	12 SETS 750KCMIL AL 750KCMIL CU*	12 - 5" MAX.	78	78	18	60	25	21	9
162-100-000	1000	120/208 V 277/480 V	12 SETS 750KCMIL AL 750KCMIL CU*	12 - 5" MAX.	88	88	18	60	25	21	14
162-150-200	1500-2000	277/480 V	12 SETS 600-750KCMIL* 14 SETS 500KCMIL OR LESS	12 - 5" MAX 14 - 5" MAX	94	94	18	64	26	21	15
162-250-025	2500	277/480 V	12 SETS 600-750KCMIL* 16 SETS 500KCMIL OR LESS	12 - 5" MAX 16 - 5" MAX	106	106	18	66	28	26	20

## NOTES:

- FOR CONSTRUCTION DETAILS AND INSTALLATION GUIDELINES.
- (\*) CABLES LARGER THAN 500 CU WILL REQUIRE MULTITAP CONNECTORS 103-806-300 AND 103-806-400.
- FOR ANY NEW INSTALLATION WHICH HAS MORE THAN 6 SETS OF 750 KCMIL CU OR MORE THAN 12 SETS OF A SMALLER SIZE CONDUCTOR, IT IS RECOMMENDED TO USE THE LARGE THREE -PHASE SECONDARY CABINET, M&S #161-401-003, AS SHOWN IN DCS I-75.0.0.
- #4 TYPE OF STEEL RE-BAR (1/2") ON ALL 4 CORNERS.
- 6" X 6" WIRE MESH SURROUNDING ALL OPENINGS.

6	1/25/12	UPDATE NOTES	GAP	ELS	AEL
5	9/29/09	UPDATE NOTE	GAP	ELS	AEL
4	2/26/08	UPDATE NOTE 2	ARR	ELS	JJM
3	5/18/06	ADDED NEW M&S NUMBERS FOR LARGER PADS AND UPDATED NOTES	RJO	ELS	JJM
2	04/10/01	UPDATE CHART AND NOTES	RAP	JES	JJM
1	10-9-96	GENERAL REVISION	MV	BILL	JJM
0	8-9-96	REVISED TABLE AND PAD DIMENSIONS	MV	RAS	JJM
NO.	DATE	REVISION	ORIG.	DRAWN	APPR.



F P L

## OH &amp; UG DISTRIBUTION SYSTEM STANDARDS

ORIGINATOR: MV

DRAWN BY: E. SCHILLING

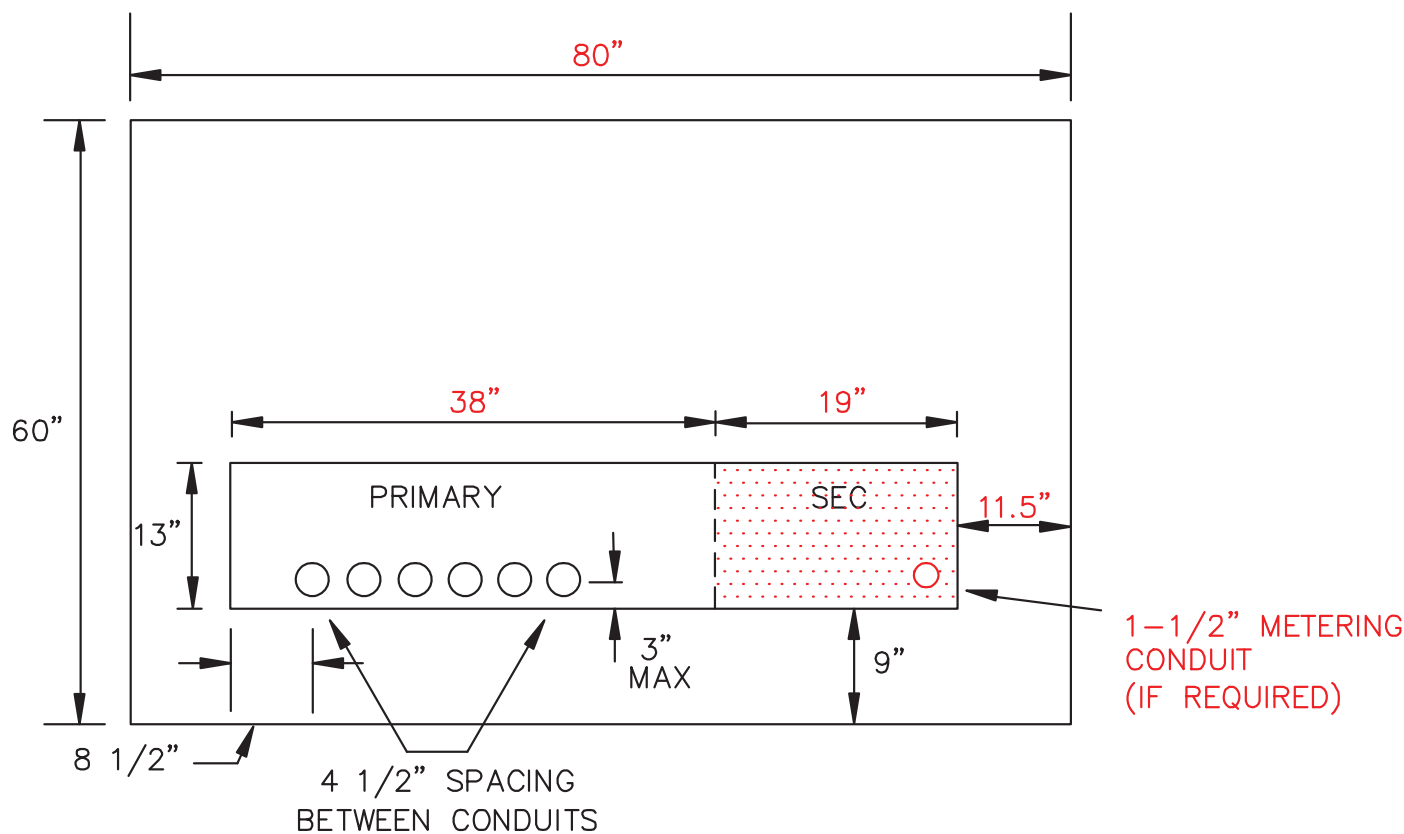
DATE: 10/9/96

APPROVED: J.J. MCEVOY

NO SCALE

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ALTERNATIVE 1



(FRONT OF PAD)

NOTES:

1. REFERENCE I-70.0.1 OF THE DCS
2. PAD M&S 162-246-800
3. ALL CONDUITS TO EXTEND 3" MAX ABOVE GROUND LEVEL.
4. ALL SECONDARY / CUSTOMER CONDUITS MUST FIT WITHIN THE 19"x13" SHADED AREA INDICATED. WILL HOLD 8-4" CONDUIT MAX.
5. ALL CONDUIT RELATED DIMENSIONS ARE TO BE CENTER OF THE DUCT
6. MAINTAIN 8' CLEARANCE FROM FRONT AND 3' CLEARANCE FROM SIDES AND BACK OF TRANSFORMER PAD.



F P L

OH & UG DISTRIBUTION SYSTEM STANDARDS

ORIGINATOR: SMS

DRAWN BY: BILL

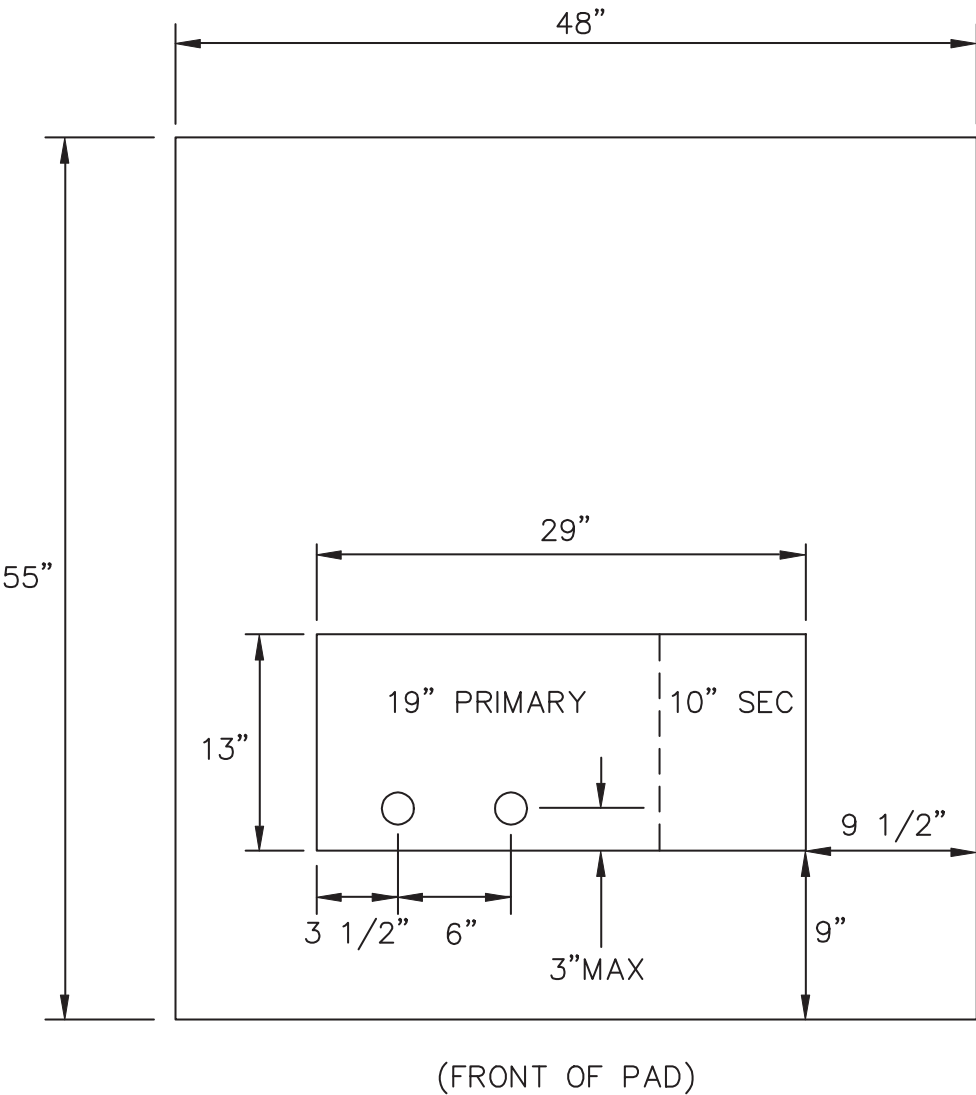
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2	9/2/09	UPDATE DRAWING NOTE	GAP	ELS	AEL
1	05/29/02	UPDATE DRAWING (NOTE 4)	RAP	JES	JJM
NO.	DATE	REVISION	ORIG.	DRAWN	APPR.



- NOTES:
- 1)REFERENCE I-62.0.0 OF THE DCS
  - 2)PAD M&S 162-24800-4
  - 3)ALL CONDUITS TO EXTEND 3"MAX ABOVE GROUND LEVEL
  - 4)ALL SECONDARY/CUSTOMER CONDUITS MUST FIT WITHIN THE 10"X13" AREA INDICATED.
  - 5)ALL CONDUIT RELATED DIMENSIONS ARE TO THE CENTER OF THE DUCT
  - 6)MAINTAIN 8' CLEARANCE FROM FRONT AND 3' CLEARANCE FROM SIDES AND BACK OF TRANSFORMER PAD.



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						ORIGINATOR: SMS	DRAWN BY: BILL	
						DATE:	APPROVED: J.J. MCEVOY SUPERVISOR, OH/UG PRODUCT SUPPORT SERVICES	NO SCALE
NO.	DATE	REVISION	ORIG.	DRAWN	APPR.			



## Electric Service Standards

DATE

11-27-18

PREPARED BY

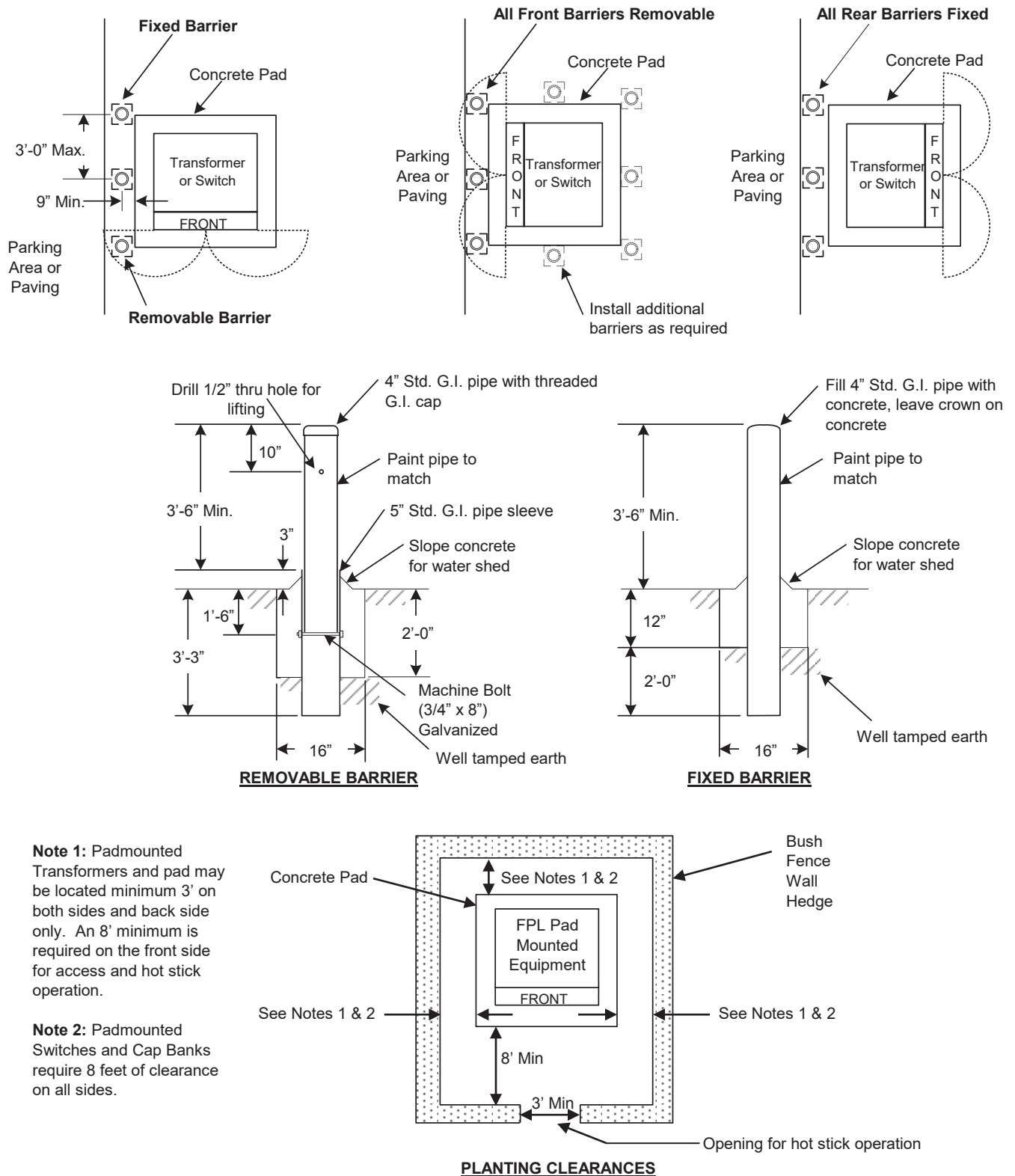
SUBJECT

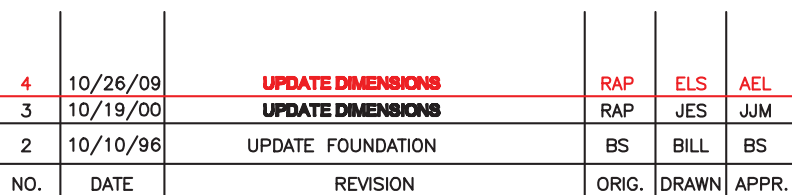
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### V. REQUIREMENTS FOR TRANSFORMERS SITUATED ON CUSTOMER PROPERTY

V: 3 of 6

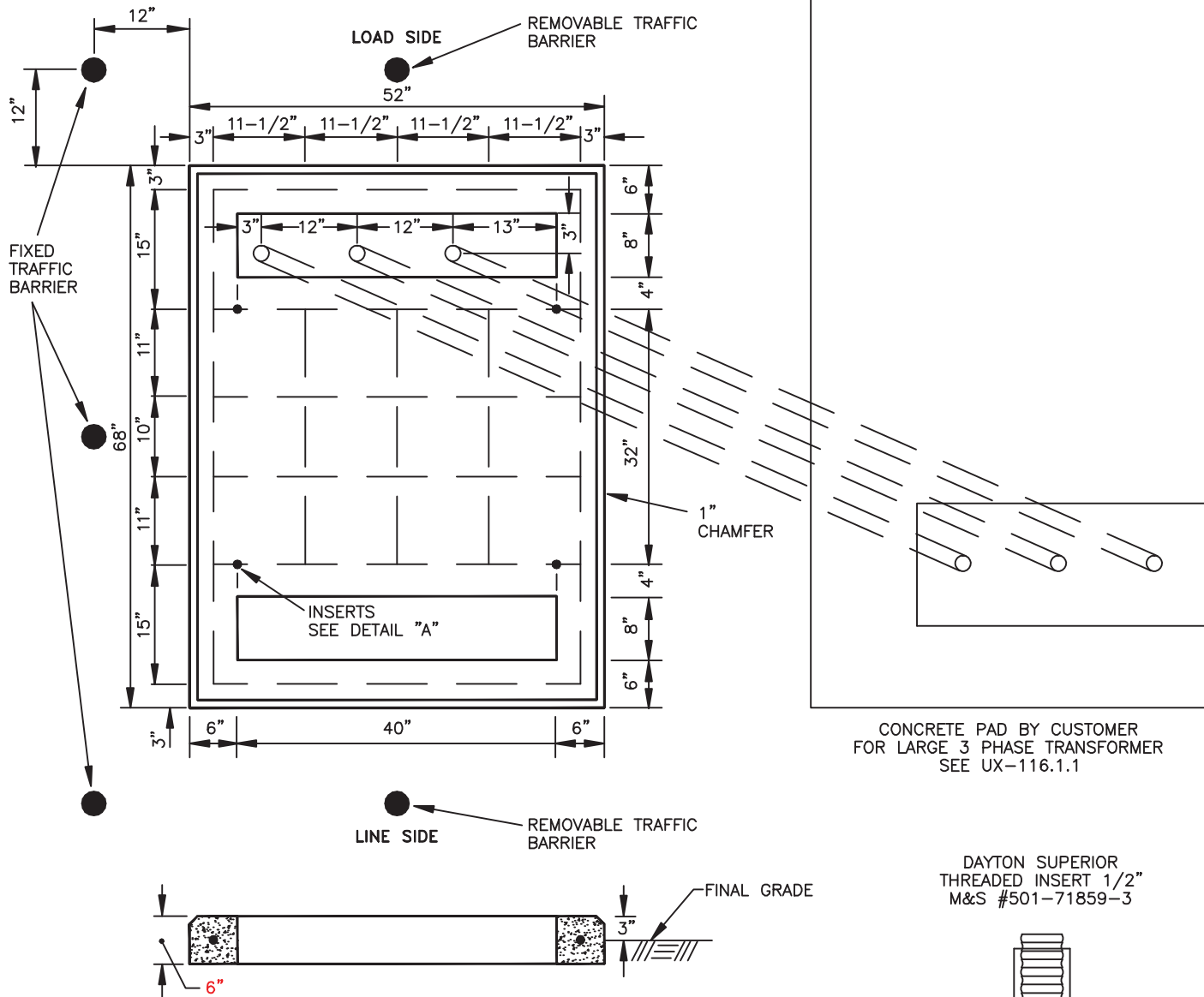
**FIGURE V-1****Protective Barrier and Planting Clearances for Padmounted Transformers and Switches**



UX-124.0.0

# CONCRETE FOUNDATION CONSTRUCTION DETAILS FOR 3 PHASE DEAD FRONT PAD MOUNTED FUSE CABINET (S&C TYPE PME-4)

UX-124.0.0



## NOTES:

1. FPL TO SUPPLY CONDUIT, CONDUIT BENDS AND PLUGS TO CUSTOMER
2. CUSTOMER TO INSTALL CONDUITS (NUMBER, SIZE AND DIRECTION TO BE SPECIFIED BY FPL) FROM LINE SIDE OF PAD TO 5 FEET AWAY. CUSTOMER ALSO TO INSTALL 3-2" CONDUITS FROM LOAD SIDE TO TRANSFORMER PAD EXACTLY AS SHOWN. USE 24' MINIMUM RADIUS BENDS FOR 2 INCH CONDUITS.
3. PRECAST CONCRETE PAD AVAILABLE UNDER M&S 162-252-000.
4. IF PRECAST PAD IS NOT USED, THEN CUSTOMER SUPPLIES AND INSTALLS REINFORCING MATERIAL (#4 BARS), CONCRETE MIX, AND POURS PAD IN PLACE AT LOCATION AGREED UPON WITH FPL.
5. CUSTOMER TO NOTIFY FPL TO INSPECT PAD BEFORE CONCRETE IS POURED. THE CONCRETE PAD SHALL BE 6.0 INCHES THICK.
6. THE SOIL SHALL BE THOROUGHLY COMPACTED AND LEVELED WITH THE CONDUITS IN PLACE BEFORE THE CONCRETE IS POURED. THE MAXIMUM ALLOWABLE VARIATION IN HEIGHT BETWEEN ANY TWO POINTS ON THE PAD SURFACE IS .25 INCHES.
7. TWO INCH MINIMUM CONCRETE COVER REQUIRED OVER STEEL IN ALL DIRECTIONS.
8. CUSTOMER TO INSTALL GALVANIZED TRAFFIC BARRIERS UNLESS OTHERWISE SPECIFIED BY FPL.



F P L

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2	4/1/09	ADD NOTES	GAP	ELS	JNM
1	7/29/08	UPDATE NOTES	GAP	ELS	JJM
NO.	DATE	REVISION	ORIG.	DRAWN	APPR.

ORIGINATOR: SMS

DRAWN BY: RAS

DATE:

APPROVED: J.J. MCEVOY

NO SCALE

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**5-22-2019**

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### VI. METERING EQUIPMENT

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**FIGURE VI-2  
CT Metering Configuration 6 - CTs in Padmounted Transformer or Vault**

1. IT rated meter socket provided and installed by customer: \_\_\_\_\_ 1 ph or \_\_\_\_\_ 3 ph (check one)
2. Current transformers (CTs) provided and installed in padmounted transformer by FPL.
3. 1-1/2" minimum rigid galvanized or Schedule 80 PVC conduit with pull string installed between meter socket and padmounted transformer provided and installed by customer. Condulets are NOT allowed, and limited to 2 – 90 degree bends per run. **For maximum distance between transformer and meter socket, see table below.**
4. Restricted to one customer per padmounted transformer. Exceptions **must** be approved by FPL.
5. CT ratio determined by FPL.

CT Ratio		Max Amps	Max Distance (feet)	Max Cable Length (feet)
✓	Ratio			
	300:5	600	10	20
	600:5	1200	40	50
	1200:5	2400	40	50
	2000:5	3000	40	50

