



FOUNDATION Concrete Pad Mounted Equipment

07-01-98
M 32-550-G
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USE: Foundation requirements for pad mounted equipment, see individual use statements for application.

PREVIOUS REVISION
12-01-95

ORIGINATED
08-79

PREVIOUS NUMBER
M 32-450-F (01-08-90)

LATEST REVISION: Include foundation for single phase pad from ER 19-260 and add foundation for primary metering enclosure. Revise concrete mix notations. Revise layout.

SPECIFICATION:

1. FOUNDATION, 3 PHASE, LIVE FRONT, PAD MOUNTED SWITCHGEAR:

1.1 Use: Concrete foundation requirement for three phase, live front, pad mounted switchgear.

1.2 General: Foundation contains approximately 0.57 cubic yards of 3000 psi mix concrete and weighs approximately 2,170 pounds. Top of foundation shall be smooth and level.

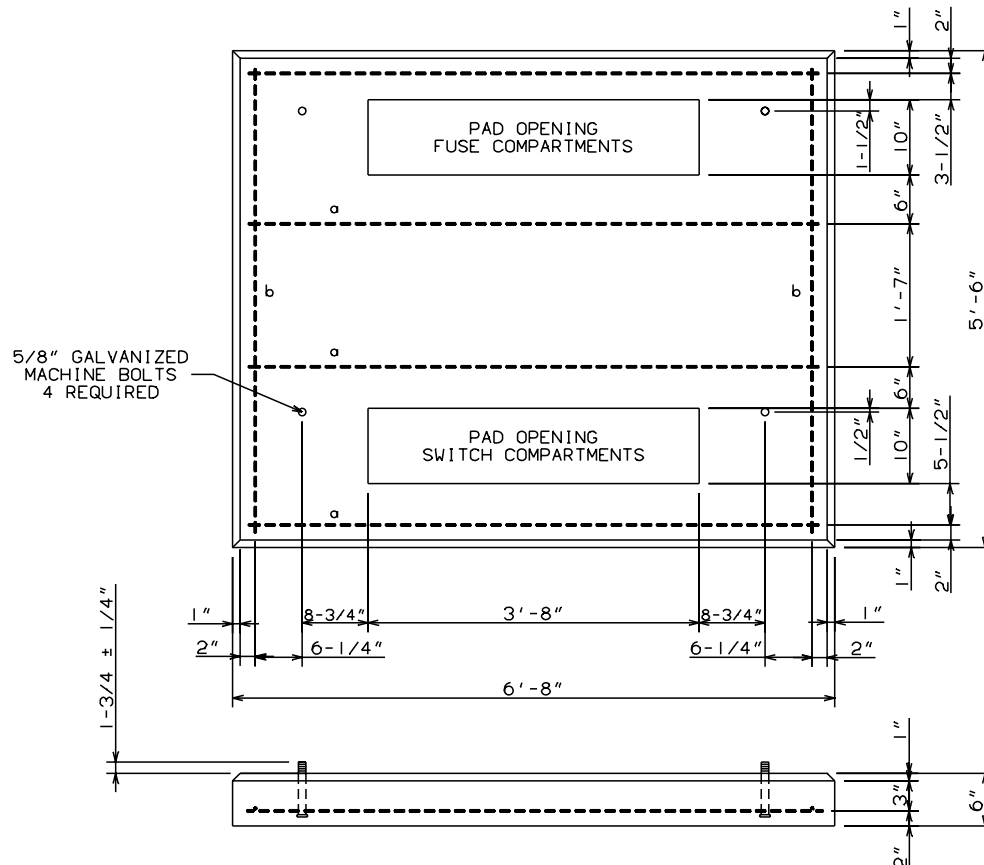


Figure 1:
Concrete foundation for three phase, live front, padmount switchgear.

Reinforcing Bar List, Figure 1

a		b		Approved Manufacturers	Stores Item Number
Quantity	Rod Size	Quantity	Rod Size		
4	3/8"Ø x 6'-2"	2	3/8"Ø x 5'-0"	To be purchased locally.	733601

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2. FOUNDATION, 3 PHASE, PAD MOUNTED TRANSFORMERS, 75-2500 KVA:

2.1 Use: Foundation requirements for 3Ø, pad mounted transformers, 75-2500 KVA.

2.2 General: Foundation to be 3000 psi concrete mix. Top of foundation shall be smooth and level.

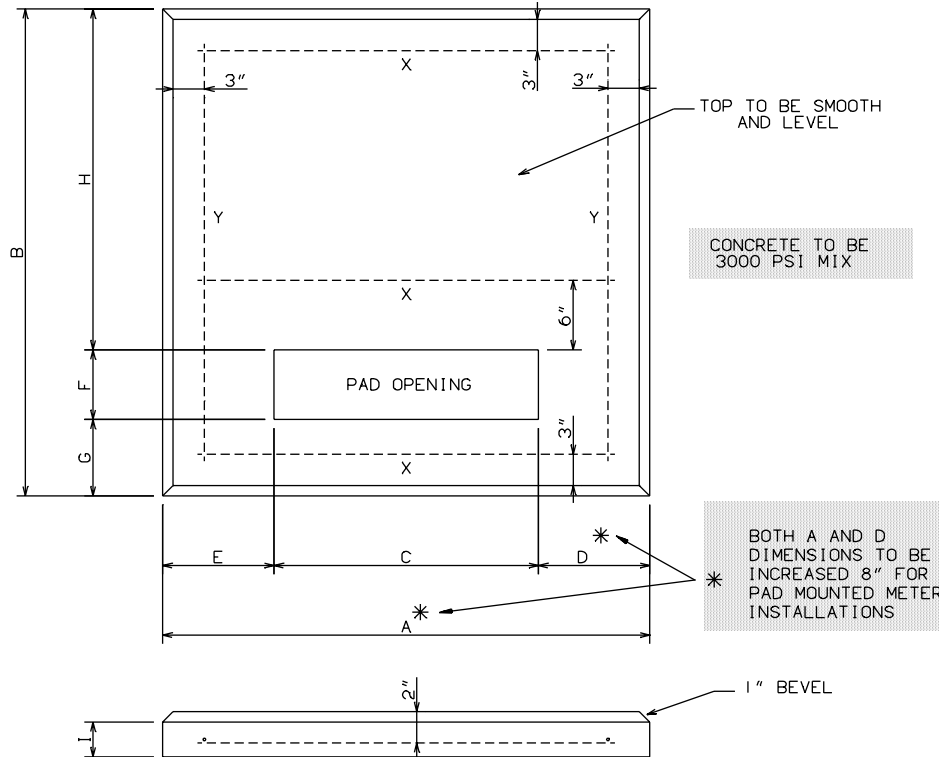


Figure 2: Concrete Foundation for 3Ø, pad mounted transformer.

Pad No. (Note 3)	Figure 2, Dimensions (Inches)									Concrete (Note 2)	
	A Note 1	B	C	D Note 1	E	F	G	H	I	Volume (Cu.Yds)	Weight (Lbs.)
1	89	60	45	22	22	15	8	37	6	0.59	2,360
2	91	80	50	20.5	20.5	16	8	56	6	0.83	3,320
3	130	93	50	40	40	16	8	69	6	1.45	5,800
4	130	106	57	36.5	36.5	16	8	82	8	2.20	8,800
5	130	116	58	36	36	16	8	92	8	2.43	9,720

- NOTES:**
1. Increase dimension by 8" for padmounted meter installation.
 2. Does not include extra for padmounted meter installation.
 3. See EU 19-264 for transformer KVA corresponding to pad number.

Reinforcing Bar List, Figure 2

Pad No. (Note 3)	X (With Meter Installation)		X (Without Meter Installation)		Y		Deformed Bar Number	Rod Shape	Approved Manufacturers	Stores Item Number
	Quantity	L (In)	Quantity	L (In)	Quantity	L (In.)				
1	3	91	3	83	2	54	4	Straight	To be purchased locally.	262271
2		93		85		74				262274
3		132		124		87				262275
4		132		124		100				262277
5		132		124		110				262279



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3. FOUNDATION, 3 PHASE, PAD MOUNTED, PRIMARY METERING ENCLOSURE:

- 3.1 Use: Foundation requirement for three phase, pad mounted primary metering enclosure.
3.2 General: Foundation to be 3000 psi concrete mix. Top of foundation shall be smooth and level.
3.3 Approved Manufacturers: To be purchased locally.

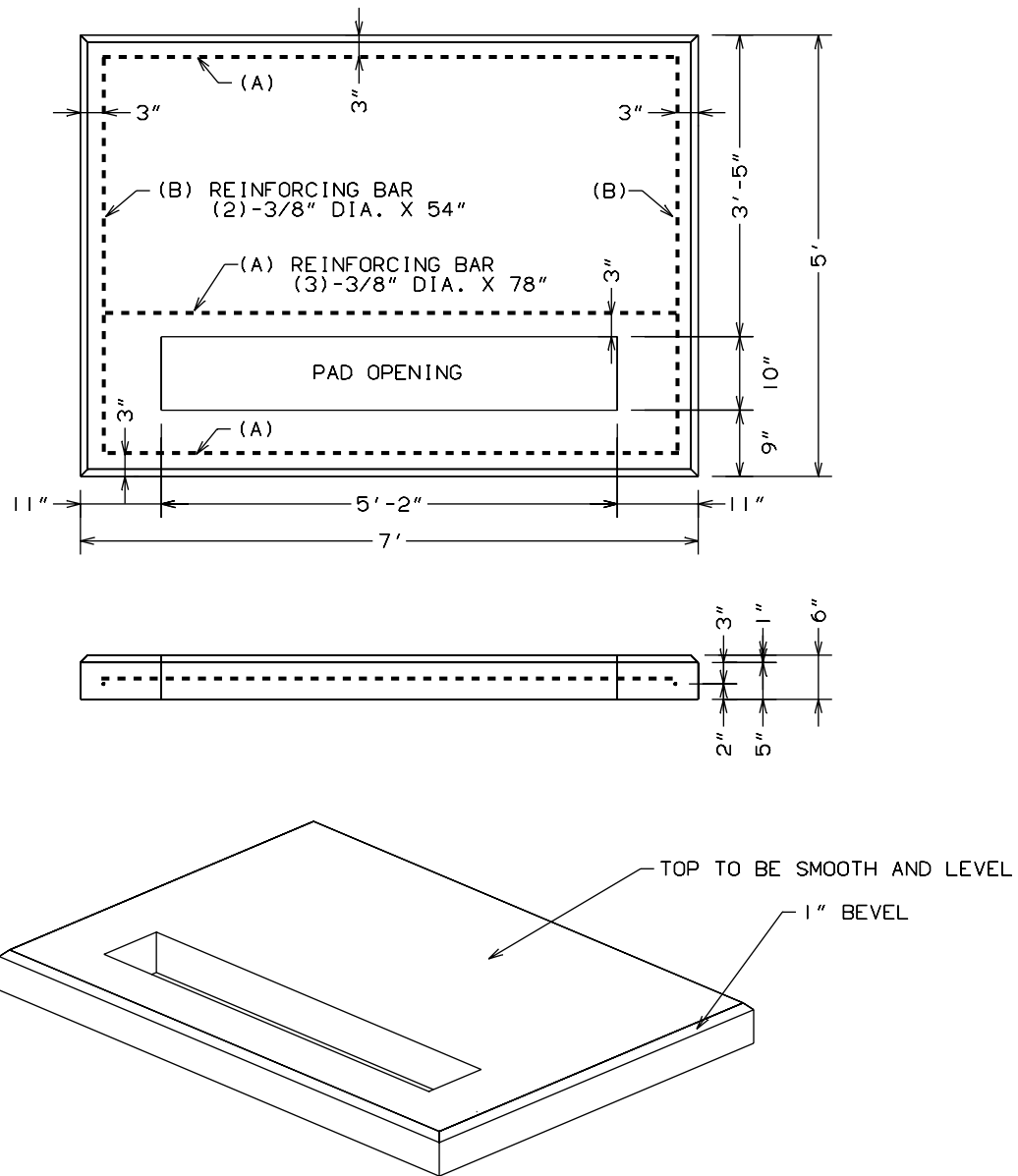


Figure 3:
Concrete foundation for three phase, pad mounted, primary metering enclosure.

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4. FOUNDATION, SINGLE PHASE, PAD MOUNTED, TRANSFORMER:

- 4.1 Use: Concrete foundation requirements for 1/1, pad mounted transformers, 25-167 KVA. Install as needed for commercial application etc.
- 4.2 General: Foundation contains approximately 0.26 cubic yards of 3000 psi concrete and weighs approximately 1025 pounds. Top of foundation shall be smooth and level.
- 4.3 Approved Manufacturers: To be purchased locally.

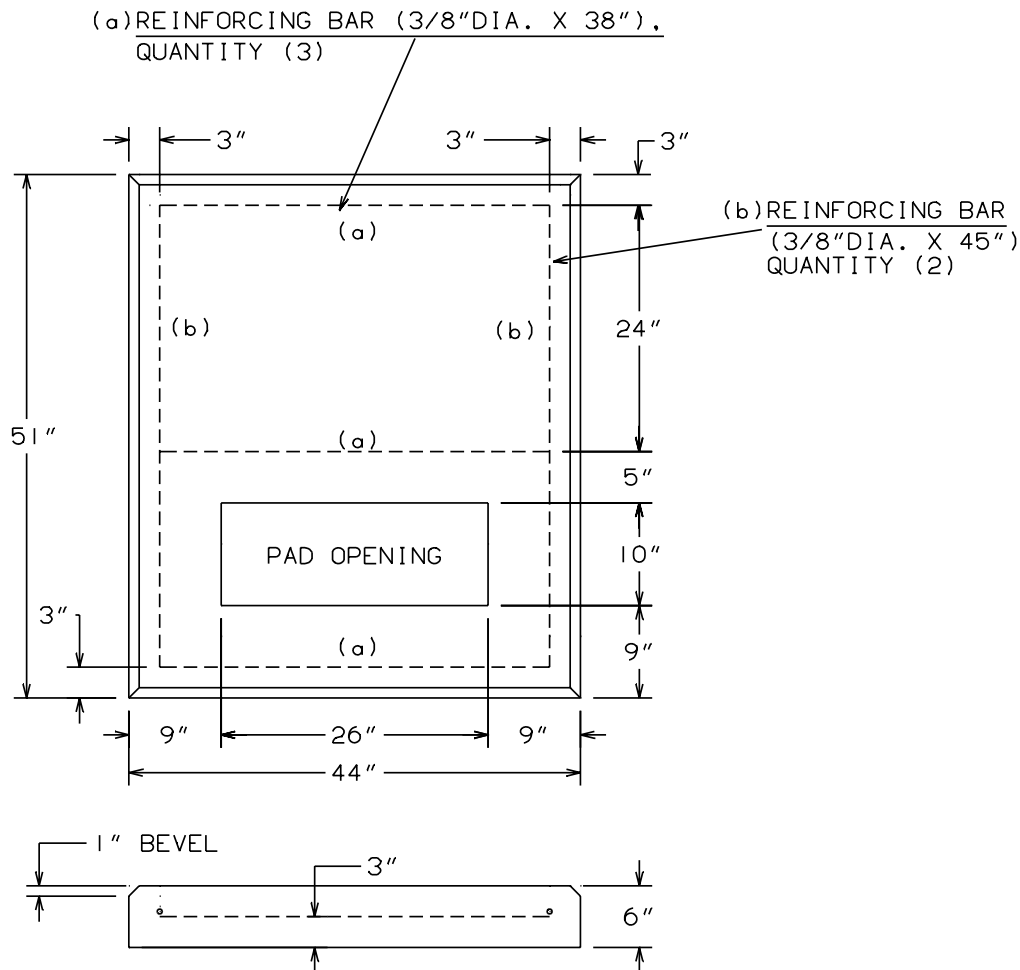


Figure 4:
Concrete foundation for single phase, pad mounted transformer.



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Approved Manufacturer and Catalog Number Supplement

This Supplement is provided in electronic format only (.pdf), and supersedes previous published catalog numbers.

Latest Revision Republish all Material Standard supplements to include SAP material numbers and SINs. No other changes.

MATL#: 300005973 SIN: 733601

*FOUNDATION, STRUCTURE, PRE-CAST, 6 FT 8 IN LONG,
5 FT 6 IN WIDE, 6 IN DEEP, CONCRETE, REINFORCED,*

LOCAL MANUFACTURER

MATL#: 300061500 SIN: 262271

*FOUNDATION, STRUCTURE, PAD MOUNTED
TRANSFORMER, 6 FT 11 IN, 5 FT, 6 IN, CONCRETE,*

LOCAL MANUFACTURER

MATL#: 300061501 SIN: 262274

*FOUNDATION, STRUCTURE, PAD MOUNTED
TRANSFORMER, 7 FT 10 IN, 6 FT 10 IN, 6 IN, CONCRETE,*

LOCAL MANUFACTURER

MATL#: 300061502 SIN: 262275

*FOUNDATION, STRUCTURE, PAD MOUNTED
TRANSFORMER, 8 FT 1 IN, 7 FT 11 IN, 6 IN, CONCRETE,*

LOCAL MANUFACTURER

MATL#: 300061503 SIN: 262277

*FOUNDATION, STRUCTURE, PAD MOUNTED
TRANSFORMER, 10 FT 3 IN, 9 FT, 8 IN, CONCRETE,*

LOCAL MANUFACTURER

MATL#: 300061504 SIN: 262279

*FOUNDATION, STRUCTURE, PAD MOUNTED
TRANSFORMER, 10 FT 2 IN, 9 FT 10 IN, 8 IN, CONCRETE,*

LOCAL MANUFACTURER