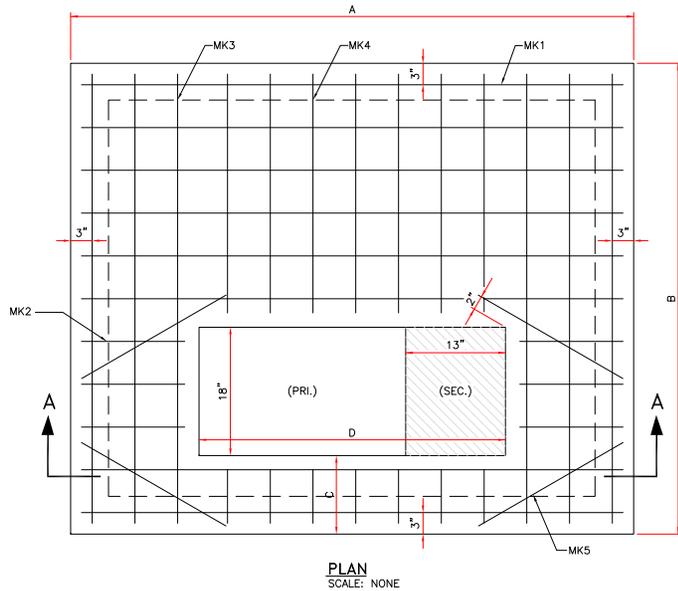
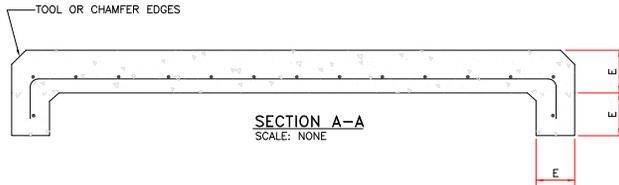


3-PHASE TRANSFORMER KVA	PAD DIMENSIONS					REINFORCING BARS				
	A	B	C	D	E	MK1	MK2	MK3	MK4	MK5
75, 112-1/2, 150, 225, 300, 500	6'-4"	5'-2"	10"	3'-6"	6"	7#4 70"	4#4 10"	6#4 59"	6#4 28"	4#4 26"
750, 1000, 1500, 2000	8'-10"	9'-4"	10"	4'-6"	8"	12#4 98"	6#4 19"	6#4 94"	7#4 66"	4#4 22"



DRAWING DEVELOPED FOR ML-4 PROJECTS. FOR ML-1/ML-2/ML-3, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

GENERAL NOTES:

1. CONCRETE TESTING: 3000 LBS. MIN. PER SQ. INCH; 4% TO 6% ENTRAINED AIR, 3/4" MAXIMUM SIZE AGGREGATE.
2. REINFORCING STEEL: ASTM-A615 GRADE 60, PLACE APPROX. 6" O.C. EACH WAY AND SECURELY TIED TOGETHER.
3. MINIMUM CONCRETE COVER OVER REINFORCING STEEL 2" UNLESS OTHERWISE NOTED.
4. WOOD FLOAT FINISH, LEAVING NO DEPRESSIONS.

NOTES FOR DESIGNER:
(DO NOT INCLUDE ON CONSTRUCTION DRAWING)

1. EDIT TO BE PROJECT SPECIFIC - SHOW DIMENSIONS
2. COMPLY WITH CURRENT EDITION OF LANS DRAFTING MANUAL FOR CALL-OUTS PROTOCOL AND LOCATION OF SCHEDULES/MATERIAL
3. ASSIGN AN APPROPRIATE DRAWING NUMBER PER CURRENT EDITION OF LANS DRAFTING MANUAL PROTOCOL FOR DETAILS.

1	9-3-08			ADDED PERIMETER BEAM TO PAD. ADDED NOTE TO SHOW ACTUAL DIMENSIONS	LT	DP	JS	DP	TD
NO	DATE	CLASS	ADC	DESCRIPTION	OWN	DSGN	CHKD	SUB	APP

ENGINEERING SERVICES

LANL ENGINEERING MANUAL SITE ELECTRICAL DISTRIBUTION STDS.				DESIGN	M. DEUTSCH
THREE PHASE TRANSFORMER CONCRETE PADS				CHECKED	J. LANDMAN
BLDG X				DATE	9/30/02
PROJECT ENGINEER		APPROVED FOR RELEASE		TA-X	
DISCIPLINE POC: DAVID POWELL		STANDARDS MANAGER: TOBIN DRUCH		SHEET	

		PO Box 1663 Los Alamos, New Mexico 87545		1 OF 1	
CLASSIFICATION: U	ADC: MICHAEL LADACH	DATE: 9/30/02			
PROJECT ID	DRAWING NO	REV			
CHAPTER 7	ST-G4010-38	1			