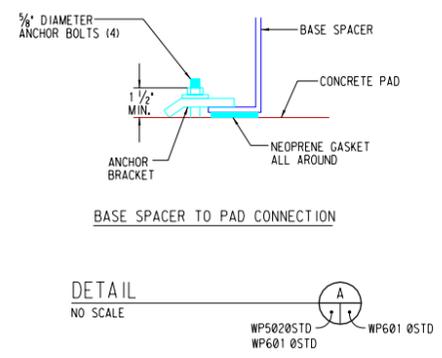


- ### GENERAL NOTES
- CONTRACTOR MUST COORDINATE WITH SANDIA AND FOLLOW ALL RECOMMENDATIONS FOR DE-ENERGIZING ALL EQUIPMENT AND FEEDERS NECESSARY TO INSTALL SWITCH. SEE SEQUENCE OF CONSTRUCTION FOR INSTALLATION OF SWITCH.
  - INSTALL IDENTIFICATION TAGS ON ALL FEEDERS AND SWITCHES PER SPECIFICATIONS AS DIRECTED BY THE SANDIA CONTRACTING REPRESENTATIVE. FEEDERS TO HAVE 1" HIGH LETTERS.
  - REFER TO DRAWING WP501 9STD, FOR SWITCH GEAR CONFIGURATIONS.
  - CABLES OF THE SAME CIRCUIT SHALL HAVE THE PHASING IDENTIFIED WITH BLUE COLOR TAPE. PHASE A (POSITION 1) WITH ONE WRAP, PHASE B (POSITION 2) WITH TWO WRAPS, PHASE C (POSITION 3) WITH THREE WRAPS.
  - SOIL COMPACTION 90% PER ASTM D1557.
  - FOAM FILL ALL OCCUPIED CONDUITS WITH HILT FOAM.
  - CAP ALL SPARE CONDUITS.

- ### KEYED NOTES
- 1" CHAMFER ALL AROUND PAD.
  - NO. 4 REBAR 2" FROM EDGE, CONTINUOUS AROUND PAD.
  - NO. 4 REBAR 6" O.C. BOTH WAYS.
  - 4" DIA. S.B.P. GUARD POST, 7'-0" LONG, SET IN 3'-0" OF CONCRETE. SEE ARCHITECTURAL STANDARD DRAWING C-5003STD.
  - SEE DETAIL A, SPACE PER MANUFACTURERS RECOMMENDATIONS.
  - WP601 ØSTD
  - BURNDY TYPE 'DGL' BARTAP LUG SIZED TO FIT GROUNDING CONDUCTORS.
  - SIZE OF FEEDER CONDUCTORS, GROUND WIRE AND CONDUIT ARE SHOWN ON CONSTRUCTION DRAWINGS.
  - GROUNDING TYPE BUSHING SIZED TO MATCH CONDUIT.
  - RUN FEEDER GROUND WIRE THROUGH CONDUIT GROUND BUSHING.
  - 2/0 BARE COPPER GROUND WIRE.
  - 3/4" x 10" COPPER GROUND ROD, CADWELD TO GROUND SYSTEM.
  - \*6 COPPER GROUND WIRE.
  - BURNDY TYPE 'KVS' SPLIT-BOLT COPPER CONNECTOR, SIZED TO FIT GROUND CONDUCTORS.
  - PHASE IDENTIFICATION MARKING TAPE, SEE GENERAL NOTE \*4 FOR DETAILS (TYPICAL).
  - COMPACTED SOIL, 90% COMPACTION PER ASTM D1557.
  - CADWELD.
  - CADWELD GROUND WIRE THAT IS RUNNING ALONG PRIMARY FEEDER TO GROUND GRID.
  - CONNECT TO GROUND LUG ON SWITCHGEAR SPACER EXTENSION. FIELD VERIFY EXACT LOCATION.

S & C PMS - 5 DETAILS  
SCALE: 3/4" = 1'-0"



ELECTRICAL EQUIPMENT LIST			
SYMBOL	NAMEPLATE	DESCRIPTION	MANUFACTURER & CATALOG NO.
△ 1		MANUAL OPERATED PAD-MOUNTED SWITCHGEAR, THREE PHASE, 200 AMP, 15KV, 14.4 NOMINAL, 17KV MAX. DESIGN, 95KV BIL, EXTERNAL HANDLE. ENCLOSURE TO BE TAMPER-RESISTANT, FREE STANDING, BOTTOM CABLE ENTRANCE, ENCLOSURE ROOF COATED WITH INSULATING 'NO DRIP' COMPOUND, INTERPHASE AND END BARRIERS OF FIBERGLASS-REINFORCED POLYESTER, TERMINAL PADS TO ACCOMMODATE CABLE-TERMINATING DEVICES AS REQUIRED, KEYS LOCKING OPERATOR HANDLES, FACTORY PAINTED LIGHT GREY ANSI-70, WITH PRIMER BASE AND WITH KIRK KEY.	S & C MODEL PMH-5 5512R4-A2C3K8
△ 2		TERMINATOR, CLASS 1, ONE PIECE DESIGN, INTEGRATED WITHIN A SKIRTED INSULATOR MADE OF SILICONE RUBBER, MUNSEL GREY IN COLOR, FOR 15KV SHIELDED CABLE. PROVIDE WITH GROUNDING DEVICE.	3M 5630 K SERIES QUICK TERM J1 COLD SHRINK
△ 3		15 KV FUSES, 14.4 KV NOMINAL, 17 KV MAXIMUM DESIGN 200 AMP MAXIMUM WITH UNI-RUPTER.	S & C SMU - 20 (NO SUBSTITUTIONS)
△ 4		BASE SPACER, NON-COMPARTMENTED, CARBON STEEL, 1 2" HIGH, FACTORY PAINTED LIGHT GREY ANSI-70, WITH PRIMER BASE.	S & C (K8)
△ 5		MANUAL OPERATED PAD-MOUNTED SWITCHGEAR, THREE PHASE, 600 AMP, 15KV, 14.4 NOMINAL, 17KV MAX. DESIGN, 95KV BIL, EXTERNAL HANDLE. ENCLOSURE TO BE TAMPER-RESISTANT, FREE STANDING, BOTTOM CABLE ENTRANCE, ENCLOSURE ROOF COATED WITH INSULATING 'NO DRIP' COMPOUND, INTERPHASE AND END BARRIERS OF FIBERGLASS-REINFORCED POLYESTER, TERMINAL PADS TO ACCOMMODATE CABLE-TERMINATING DEVICES AS REQUIRED, KEYS LOCKING OPERATOR HANDLES, FACTORY PAINTED LIGHT GREY ANSI 70 WITH PRIMER BASE.	S & C MODEL PMH - 10 *5524R4-A2K10
△ 6		S & C SAME AS △ 5 BUT HAS THREE SWITCH SECTIONS AND ONE FUSED SECTION WITH KIRK KEY.	S & C MODEL PMH - 19 55212R4-A2C3K8

P.O.	REV	DATE	DESCRIPTION	DWN	CKD	APP
		03/11/04	CORRECTIONS	EG	LR	
		6/15/01	UDS MODS	EG	FL	
AW7088		1/96	MODIFY GROUNDING	MJ	PD	
		5-17-05	ADDED GENERAL NOTE	SR	LR	

P.O. PROJECT NO. REV DATE DESCRIPTION DWN CKD APP						
U.S. DEPARTMENT OF ENERGY						
NNSA/SANDIA SITE OFFICE ALBUQUERQUE, NEW MEXICO						
SANDIA NATIONAL LABORATORIES						
S&C PAD MOUNT EQUIPMENT LIST & DETAILS						P.O.
						PROJECT NO.
						DRAWN BY J. MARTINEZ
						CHECKED BY P. DURAN
						SNL ENGR L. ROYBAL
CIVIL WORKS POWER						DATE 8/91
STANDARD						SEQ.
DRAWING NO. D+ WP6010STD						

OLD DWG. # 84820E05  
OLD FILENAME:  
FILENAME: WP6010STD.dgn