

GENERAL NOTES

- COORDINATE ELECTRIC UTILITY SERVICE WITH GPS, MR. HOLLIS VENCARD, (210) 353-2823. ALL SERVICE LATERAL DUCTS AND METER ENCLOSURE SHALL MEET GPS REQUIREMENTS. CONTACT LOCATOR FOR IDENTIFICATION OF EXISTING UNDERGROUND UTILITY LINES PRIOR TO EXCAVATION WORK.
- COORDINATE TELEPHONE SERVICE INSTALLATION WITH SWBCTO, MR. KEN COLWELL, (210) 483-3203.
- COORDINATE ALL SECURITY/ CARD ACCESS/ PHONE STATIONS WITH OWNERS' SECURITY VENDOR, STG SECURITY. CONTACT MR. JOHN WOOD (512) 835-8048.

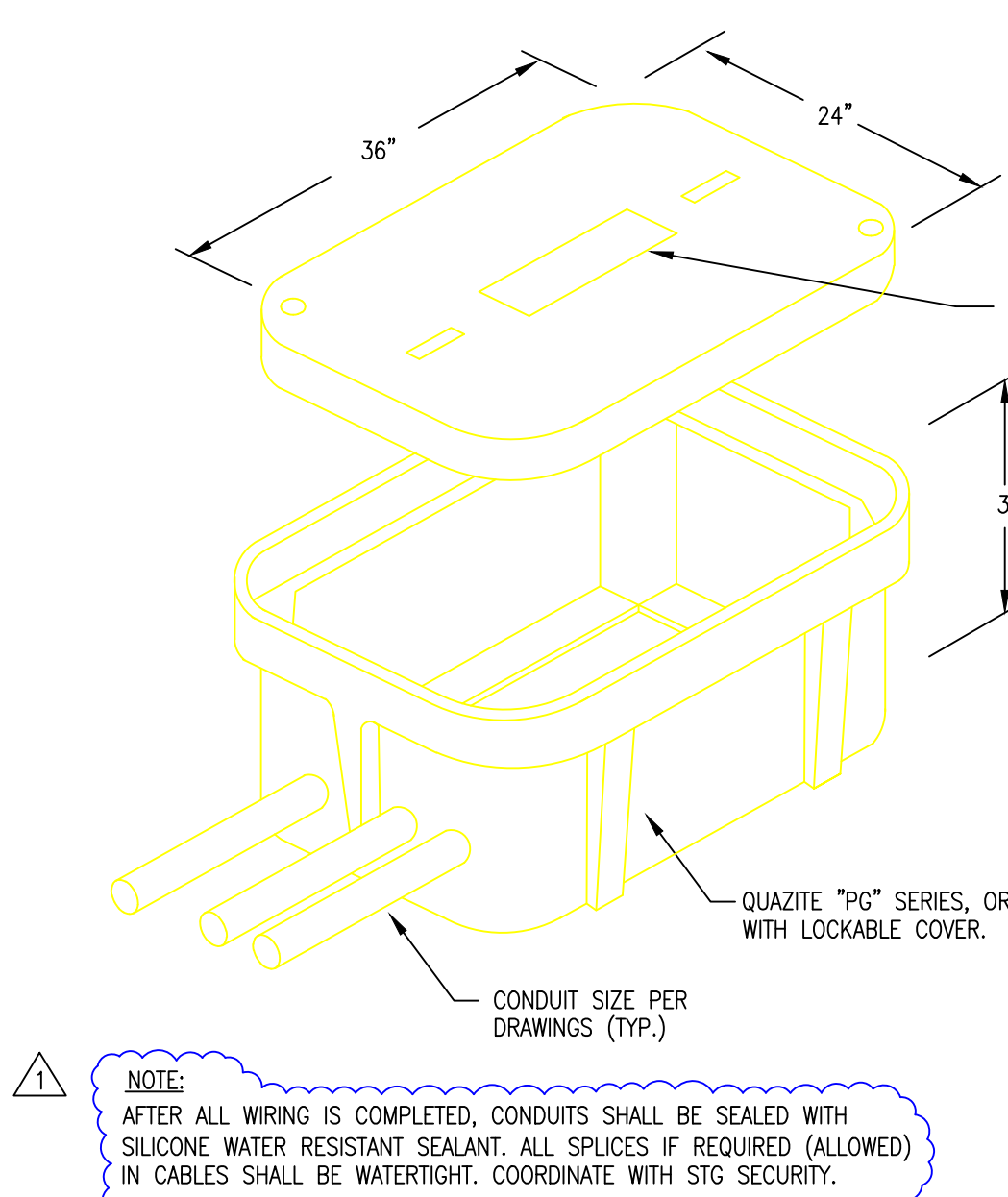
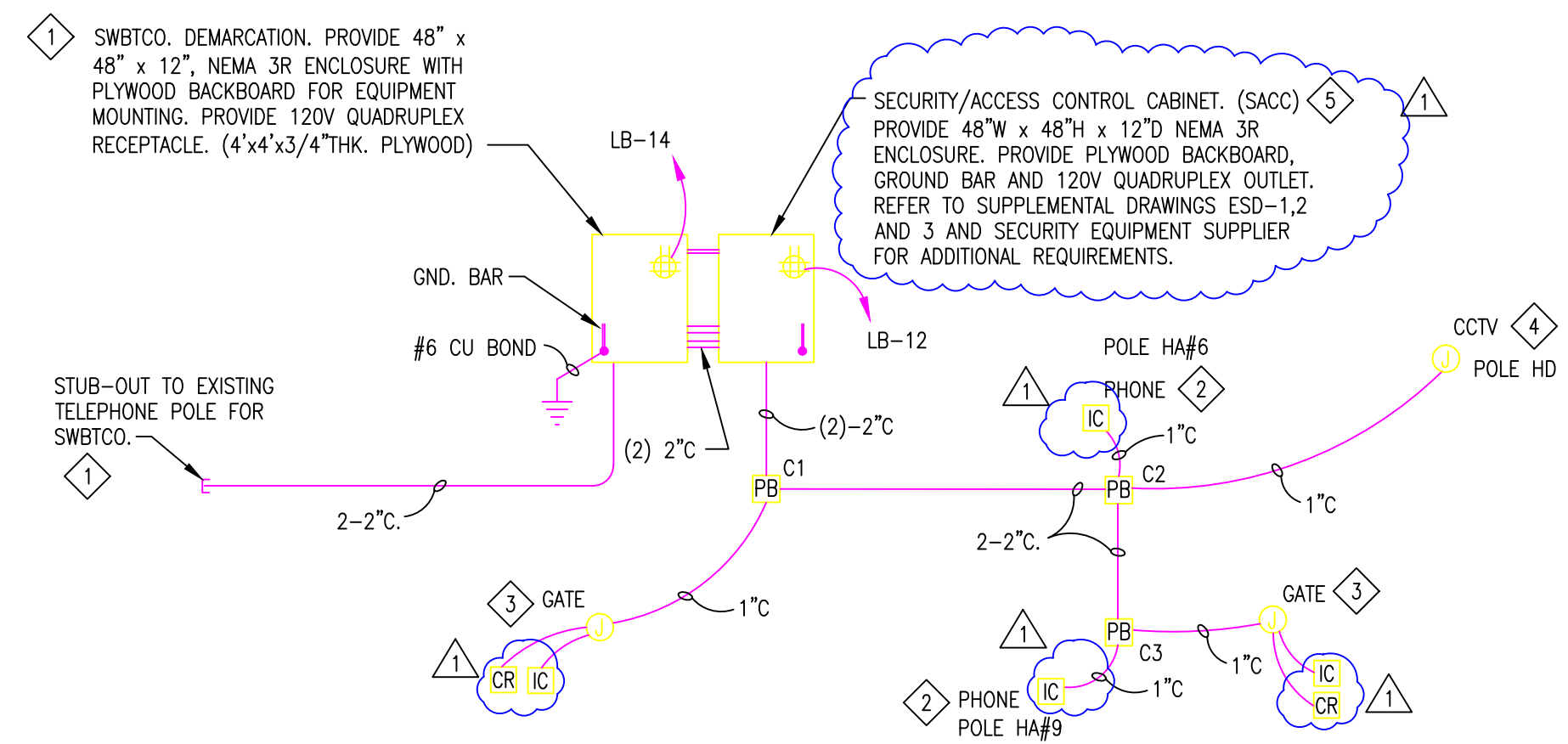
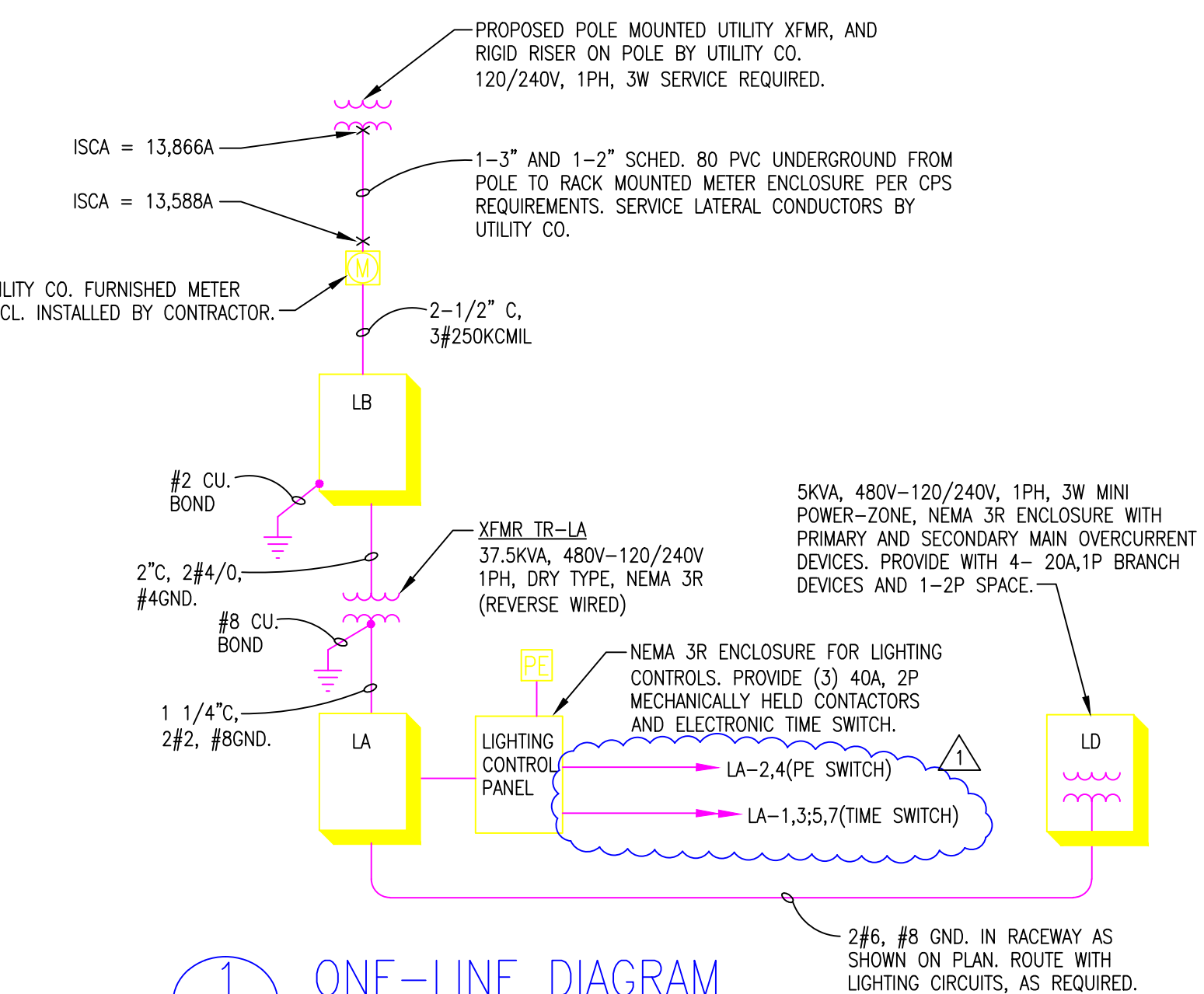
COMMUNICATIONS RISER KEYED NOTES:

- COORDINATE WITH SWBCTO, FOR EXACT LOCATION OF STUB-UPS. SEE GENERAL NOTE 2, THIS SHEET.
- STUB-UP TO PEDESTAL FOR EMERGENCY TELEPHONE IN WEATHERPROOF ENCLOSURE. REFER TO SUPPLEMENTAL DRAWING ESD-2, FOR ADDITIONAL INFORMATION.
- STUB-UP IN GATE CONTROL HOUSING FOR BADGE READER AND CALL STATION. COORDINATE LOCATION WITH GATE VENDOR/INSTALLER. REFER TO SUPPLEMENTAL DRAWING ESD-2 AND 3, FOR ADDITIONAL INFORMATION.
- STUB-UP TO WEATHERPROOF ENCLOSURE AT POLE BASE FOR CCTV CAMERA. SEE DETAIL, THIS SHEET. REFER TO PARTIAL PLANS, SHEET PE-2, FOR ADDITIONAL CONDUIT/WIRING REQUIREMENTS. REFER TO SUPPLEMENTAL DRAWING ESD-1, FOR ADDITIONAL INFORMATION.
- COORDINATE WITH STG SECURITY FOR INSTALLATION OF HEAD END EQUIPMENT IN SACC ENCLOSURE. SEE GENERAL NOTE 3.

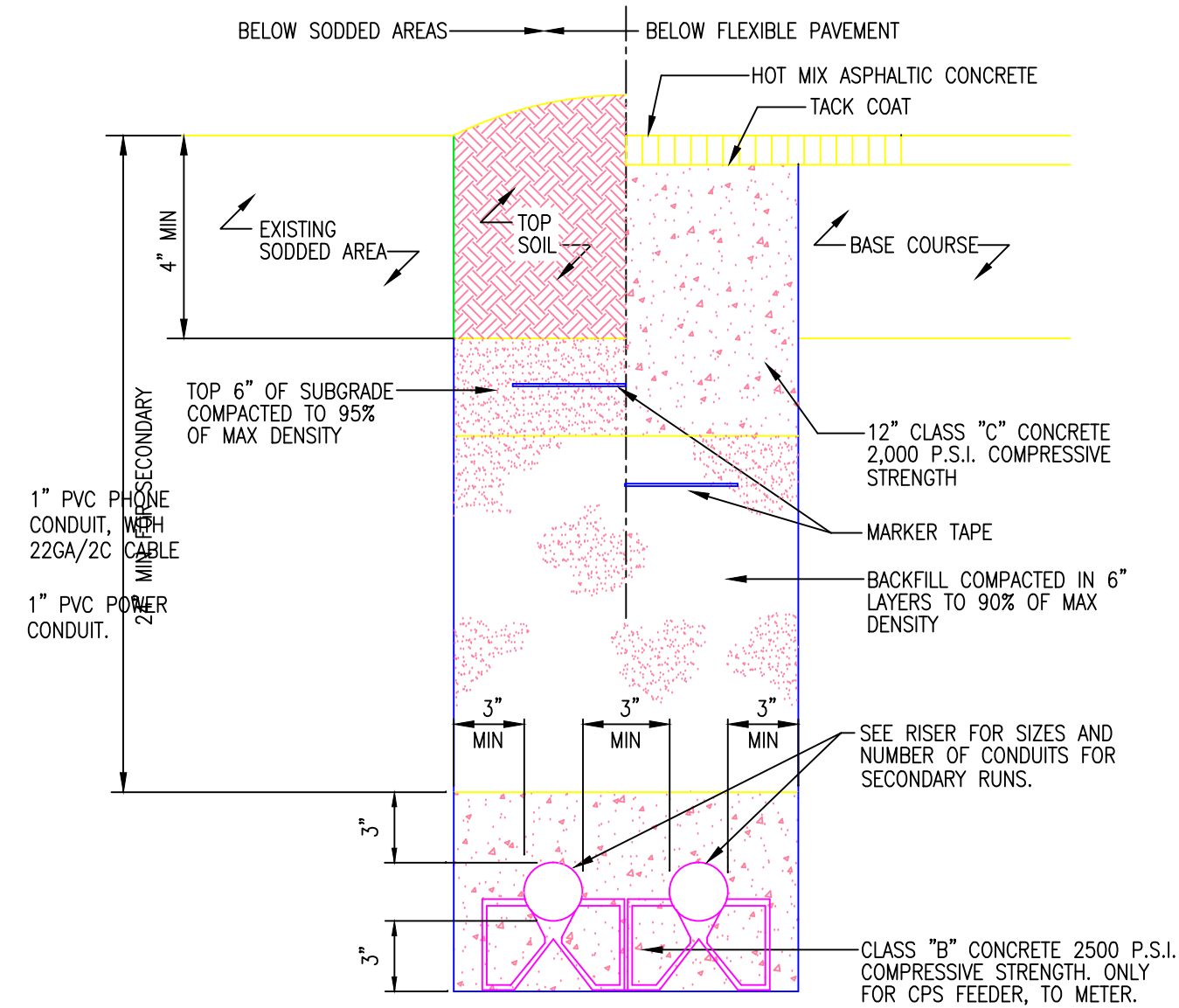
ELECTRICAL DESIGN LOAD SUMMARY		
VA PARKING LOT:	CONNECTED LOAD (KVA)	DEMAND LOAD (KVA)
LOAD SERVED		
LIGHTING	31.25	31.25
RECEPTACLES	.50	.50
GATE EQUIPMENT	3.50	3.50
MISC. EQUIPMENT	1.50	1.50
SUB-TOTAL	36.75	36.75
25% LIGHTING	--	7.80
25% LARGEST MOTOR	--	.50
20% SPARE	--	7.35
TOTAL	--	52.40
1 SERVICE = 52.4 KVA ÷ 240V, 1PH AMPS = 218		
250 AMP SERVICE AT 240 VOLTS, 1-PHASE, 3 WIRE GROUNDING SYSTEM.		

ONE-LINE DIAGRAM  
E-1 SCALE: NOT TO SCALE

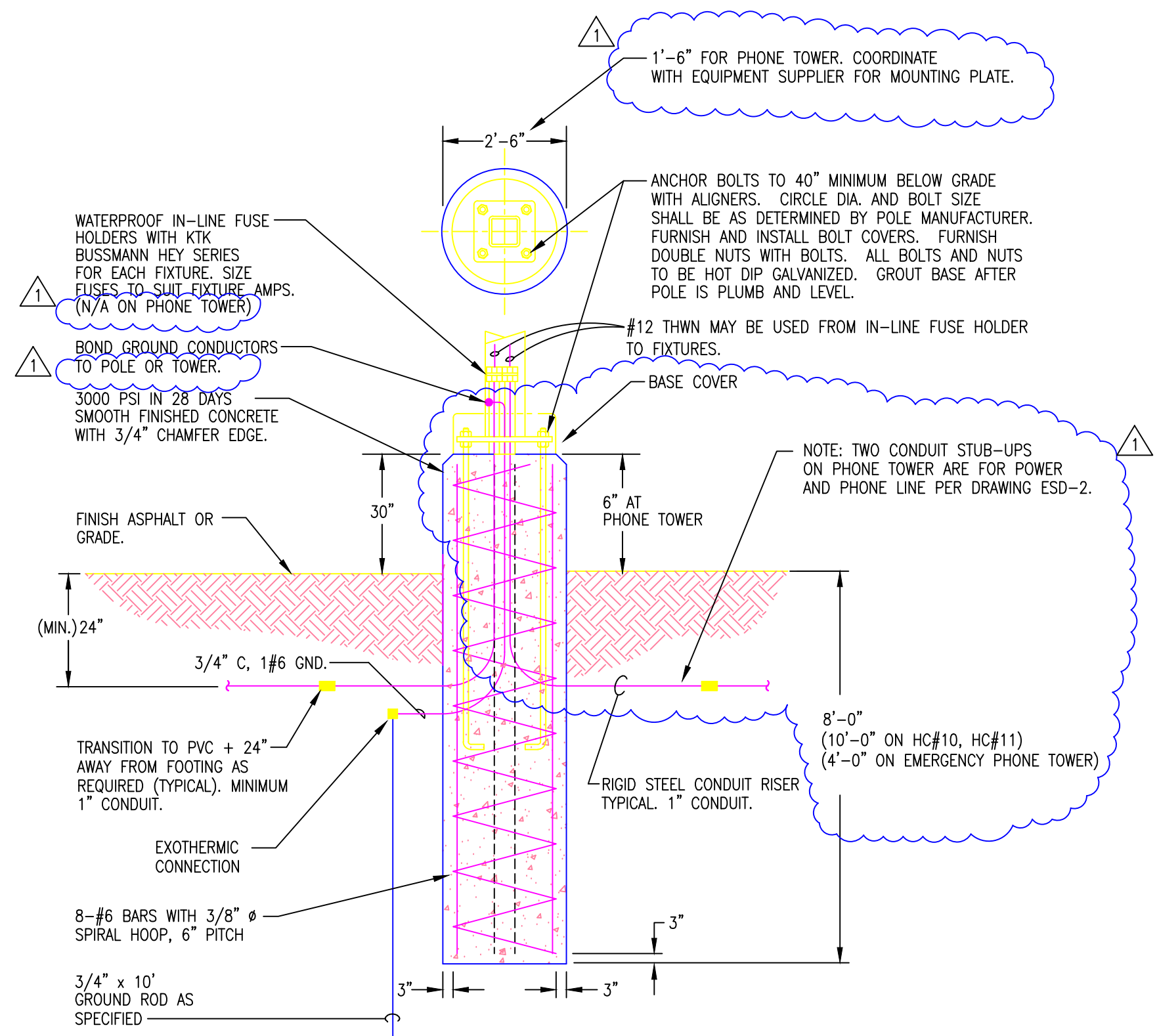
COMMUNICATIONS RISER DIAGRAM  
E-1 SCALE: NOT TO SCALE



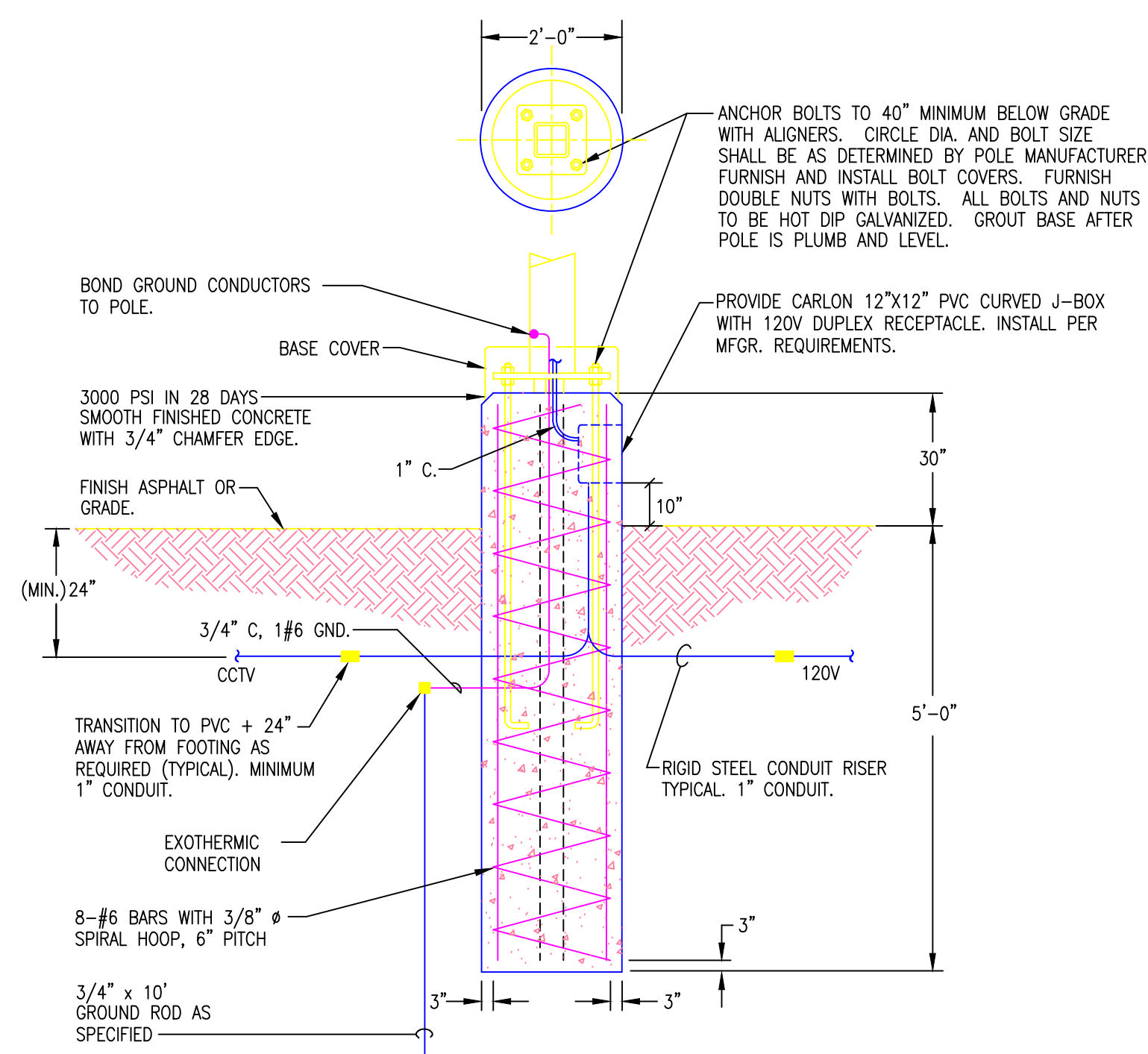
PULL-BOX DETAIL  
E-1 SCALE: NOT TO SCALE



TYP. ELEC. CONDUIT BURIAL DETAIL  
E-1 SCALE: NOT TO SCALE



TYPICAL POLE FOOTING DETAIL  
E-1 SCALE: NOT TO SCALE (LIGHTING STANDARDS AND EMERG. PHONE)

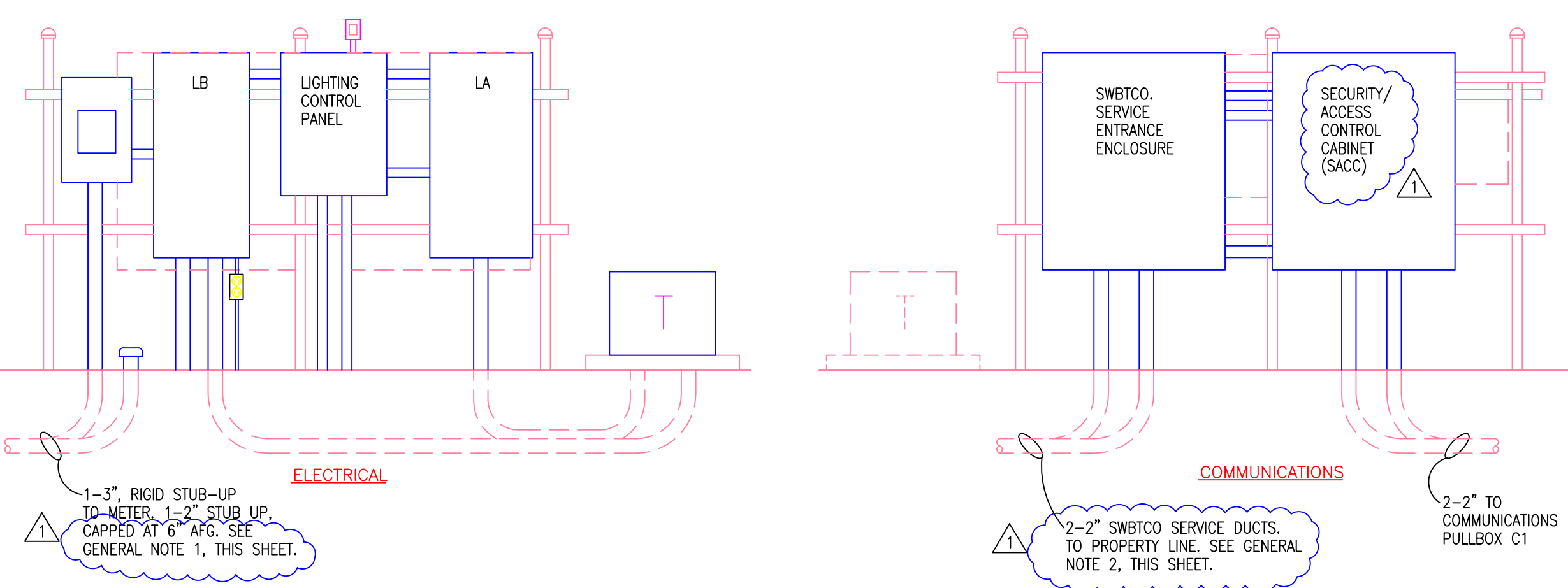


POLE FOOTING DETAIL-TYPE 'HD'  
E-1 SCALE: NOT TO SCALE  
CCTV CAMERA POLE

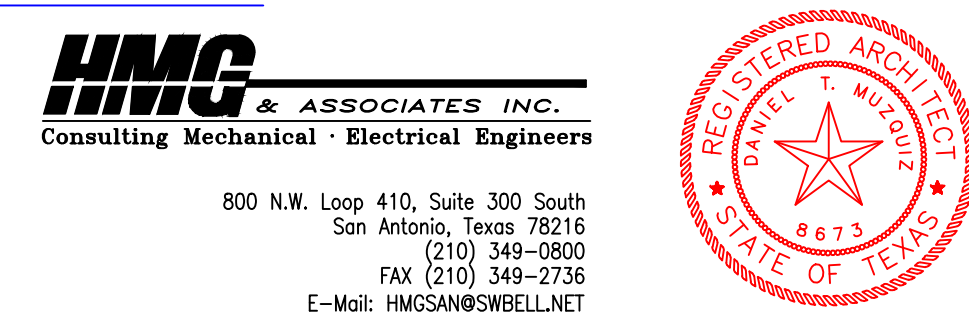
PANELBOARD LA SCHEDULE					
Panel: 1Ø, 2W, 480V, NEMA: 3R, SURFACE, 100, A. M.C.B.					
Ckt. No.	Circuit Use	C.B.	VA Load/ Phase A B	C.B.	Circuit Use
1	L - POLES #3,4,11	40/2	1865 3750	30/2	L - POLES #3,5,6,7,8,9
3	L - POLES #1,2,10	40/2	6250 3925	-	SPACE
5	SPACE	-	-	-	SPACE
7	SPACE	-	-	-	SPACE
9	SPACE	-	-	-	SPACE
11	SPACE	-	-	-	SPACE
13	SPACE	-	-	-	SPACE
15	SPACE	-	-	-	SPACE
17	SPACE	-	-	-	SPACE
19	SPACE	-	-	-	SPACE
21	SPACE	-	-	-	SPACE
23	SPACE	-	-	-	SPACE
25	SPACE	-	-	-	SPACE
27	SPACE	-	-	-	SPACE
29	SPACE	-	-	-	SPACE
31	SPACE	-	-	-	SPACE
33	SPACE	-	-	-	SPACE
35	SPACE	-	-	-	SPACE
37	SPACE	-	-	-	SPACE
39	SPACE	-	-	-	SPACE
41	SPACE	-	-	-	SPACE
CONN. 31.2KVA / .48V = 65A		65A x 1.25 = 81A			

PANELBOARD LB SCHEDULE					
Panel: 1Ø, 3W, 120/240V, NEMA: 3R, SURFACE, 250, A. M.C.B.					
Ckt. No.	Circuit Use	C.B.	VA Load/ Phase A B	C.B.	Circuit Use
1	O - XFMR TR-LA (LTG.)	225/2	15625 864	20/1	M - ENTRY GATE
3	SPACE	-	-	20/1	M - EXIT GATE
5	SPACE	-	-	20/1	O - CARD ACCESS CONTROL
7	SPACE	-	-	20/1	R - IRRIGATION CONTROL
9	SPACE	-	-	20/1	O - LTG. CONTROL, GFI
11	SPACE	-	-	20/1	O - CCTV EQUIP.
13	SPACE	-	-	20/1	O - TELEPHONE BOARD
15	SPACE	-	-	20/1	O - TELE. BOX
17	SPACE	-	-	-	SPACE
19	SPACE	-	-	-	SPACE
21	SPACE	-	-	-	SPACE
23	SPACE	-	-	-	SPACE
25	SPACE	-	-	-	SPACE
27	SPACE	-	-	-	SPACE
29	SPACE	-	-	-	SPACE
31	SPACE	-	-	-	SPACE
33	SPACE	-	-	-	SPACE
35	SPACE	-	-	-	SPACE
37	SPACE	-	-	-	SPACE
39	SPACE	-	-	-	SPACE
41	SPACE	-	-	-	SPACE
CONN. 34.5KVA / .24V = 143.7A		143.7A x 1.25 = 179.6A			

PANELBOARD LD SCHEDULE					
Panel: 1Ø, 3W, 480V-120/240V, NEMA: 3R, SURFACE, 30/20, A. M.C.B.					
Ckt. No.	Circuit Use	C.B.	VA Load/ Phase A B	C.B.	Circuit Use
1	R - GFI	20/1	960 864	20/1	M - ENTRY GATE
3	TELE. BOX	20/1	-	20/1	M - EXIT GATE
5	SPACE	-	-	20/1	O - CARD ACCESS CONTROL
7	SPACE	-	-	-	SPACE
9	SPACE	-	-	-	SPACE
11	SPACE	-	-	-	SPACE
13	SPACE	-	-	-	SPACE
15	SPACE	-	-	-	SPACE
17	SPACE	-	-	-	SPACE
19	SPACE	-	-	-	SPACE
21	SPACE	-	-	-	SPACE
23	SPACE	-	-	-	SPACE
25	SPACE	-	-	-	SPACE
27	SPACE	-	-	-	SPACE
29	SPACE	-	-	-	SPACE
31	SPACE	-	-	-	SPACE
33	SPACE	-	-	-	SPACE
35	SPACE	-	-	-	SPACE
37	SPACE	-	-	-	SPACE
39	SPACE	-	-	-	SPACE
41	SPACE	-	-	-	SPACE
CONN. 2.48KVA / .24V = 10.3A		10A x 1.25 = 12.5A			



ELECTRICAL/COMMUNICATIONS RACK DETAIL  
E-1 SCALE: NOT TO SCALE



PR #1 SECURITY REVISIONS

05/04/01

**Daniel T. Muzquiz & Associates**  
Architectural Design Group

11314 SIR WINSTON, SUITE-B, SAN ANTONIO, TX (210)340-0077

CONCUR: CHIEF BIO-MED  
CONCUR: M & R  
CONCUR: OPER  
CONCUR: SAFETY

APPROVED: SVC. CHIEF  
APPROVED: SVC. CHIEF  
APPROVED: SVC. CHIEF  
APPROVED: CHIEF OF STAFF

Drawing Title  
**ELECTRICAL DIAGRAMS, DETAILS AND SCHEDULES**

Approved: Chief of Engineering  
Approved: Associate Director

Project Title  
**VA PARKING EXPANSION**

Building Number  
**1**

Location  
**Audie L. Murphy Hospital  
San Antonio, Texas**

Date  
**1-24-01**

Project No.  
**00-867**

DRAWING NO.  
**E-1**  
Dwg 15 of 18

**Office of Facilities**

Department of Veterans Affairs