Panel Schedule - PL1

VOLTS/PHASE/WIRE: 120/208-3P-4W | PANEL TYPE & SIZE: NQOD | MAIN TYPE & SIZE: 250A MCB | CABINET: SURFACE | MIN SCC: 10,000 AIC | FED FROM:

CIRCUIT NO.	TRIP AMPS	NO. POLES	WIRE SIZE	LOAD DESCRIPTION	NOTES	DEMAND LOAD	PHASE LOAD VA A	B	C	DEMAND LOAD	NOTES	LOAD DESCRIPTION	WIRE SIZE	NO. POLES	TRIP AMPS	CIRCUIT NO.
1	100	2	2-2/0 THWN 1-6 GND	LIGHTING	2	9291	7425			9172	2		2-4/0 THWN 1-6 GND	2	100	2
	100					9291	4938	7425		9172					100	
5	60	2	2-4/0 THWN 1-6 GND	LIGHTING	23	8166		4935	4125	9172	2		2-2/0 THWN 1-6 GND	2	60	6
	60					8166	4125	6600		8250					60	
9	100	2	2-2/0 THWN 1-6 GND	LIGHTING	2	9291		7425		8250	3		2-2 THWN 1-6 GND	2	60	10
	100					9291	7425	3300		4125					60	
13	20	1	2-8 THWN 1-10 GND	OUTLET		360	360		3300	4128			2-10 1-10 GND	1	20	14
12	20	1	2-8 THWN 1-10 GND	GROUND LIGHTING	3	578	180	540		180		OUTLETS	2-10 1-10 GND	1	20	16
			EMPTY					180		180		OUTLETS	2-8 THWN 1-10 GND	1	20	18
			EMPTY						600	600			EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
							23628	23908	23060							

DEMAND FACTOR DEFS.	CON. LOAD	DEMAND FACTOR	EST. LOAD
Lighting - more than 3hours	65150	125%	66206
Standard	1320	100%	1320
TOTAL	66485	125%	66229

NOTES
1. **PROVIDE DOOR-IN-DOOR CONSTRUCTION**
2. **THRU CONTACTOR C1, TC1 SCHEDULED CHANNEL**
3. THRU CONTACTOR C2, TC1 PHOTO-INITAITED CHANNEL

DRAWING: M:\LAKESIDE.LSC\LAKESIDE CHREVROLET - ROCKWALL TEXAS\Views\SITE ENGINEERING\MPE PLAN.dwg
PANEL: 3E3D **PL1**

Panel Schedule - PL2

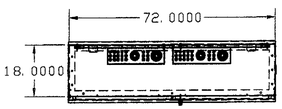
VOLTS/PHASE/WIRE: 120/208-3P-4W | PANEL TYPE & SIZE: NQOD | MAIN TYPE & SIZE: 250A MCB | CABINET: SURFACE | MIN SCC: 10,000 AIC | FED FROM:

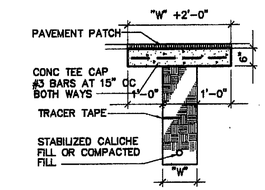
CIRCUIT NO.	TRIP AMPS	NO. POLES	WIRE SIZE	LOAD DESCRIPTION	NOTES	DEMAND LOAD	PHASE LOAD VA A	B	C	DEMAND LOAD	NOTES	LOAD DESCRIPTION	WIRE SIZE	NO. POLES	TRIP AMPS	CIRCUIT NO.
1	60	2	2-6 THWN 1-6 GND	FUTURE LIGHTING	2	6188	4950				2	FUTURE LIGHTING	2-4 THWN 1-6 GND	2	60	2
	60					4125	3300								60	
						6188		4950					2-4/0 THWN			
5	60	2	2-4/0 THWN 1-6 GND	LIGHTING	3	6188		3300		4950	2	LIGHTING	1-6 GND	2	60	6
	60					8166	4960		4125	4125					60	
						6188	4125						2-6 THWN			
9	30	2	2-8 THWN 1-6 GND	LIGHTING	2	2063		1650				OUTLETS	1-10 GND	1	20	10
	30					1650		1650					2-8 THWN			
						2063			1650			OUTLETS	1-10 GND	1	20	12
13	20	2	SPARE			150			1500				2-12			
						0	0					CONTROL POWER	1-12 GND	1	20	14
	20					0	0	0					2-12			
			EMPTY			0		0				AUTOMATCI GATE	1-12 GND		20	16
			EMPTY										EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
			EMPTY										EMPTY			
							17328	11730	12525							

DEMAND FACTOR DEFS.	CON. LOAD	DEMAND FACTOR	EST. LOAD
Lighting - more than 3hours	37860	125%	47438
Receptacles - Below 10kVA	1850	100%	1850
Standard	180	100%	180
TOTAL	39960	124%	49448

NOTES
1. **PROVIDE DOOR-IN-DOOR CONSTRUCTION**
2. **THRU CONTACTOR C1, TC1 SCHEDULED CHANNEEL**
3. **THRU CONTACTOR C2, TC1 PHOTO-INITIATED CIRCUIT**

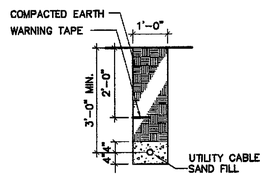
DRAWING: M:\LAKESIDE.LSC\LAKESIDE CHREVROLET - ROCKWALL TEXAS\Views\SITE ENGINEERING\MPE PLAN.dwg
PANEL: 3E7C **PL2**





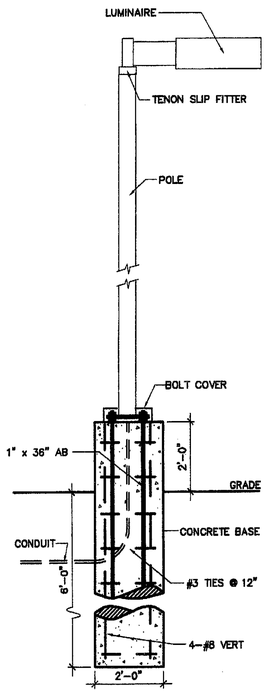
'T'-CAP @ TRENCHES

9 DETAIL SE006 SCALE: 1/2" = 1'-0"

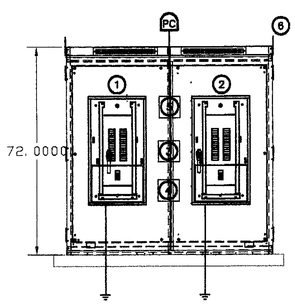


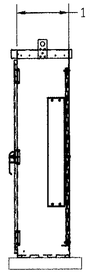
UNDERGROUND UTILITY SECONDARY

5 DETAIL SE003A SCALE: 1/2" = 1'-0"



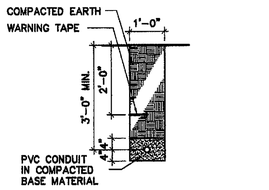
2 DETAIL SE001B SCALE: 1/2" = 1'-0"





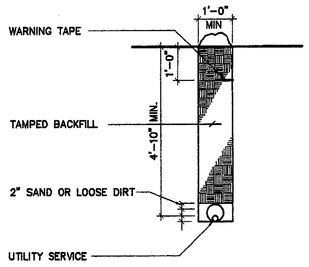
1. PANEL LP1: 120/208-3PH-4W
2. PANEL LP2: 120/208-3PH-4W
3. CONTACTOR C1: MAGNETIC HELD 12 POLE 208V
4. CONTACTOR C2: MAGNETIC HELD 8 POLE 208V
5. TIMECLOCK TC1: 2-CHANNEL PHOTO ACTIVATED DIGITAL TIMECLOCK
6. HOFFMAN ENCLOSURE:

144 PARKING LOT LIGHTING CONTROL SCHEMATIC ONLY



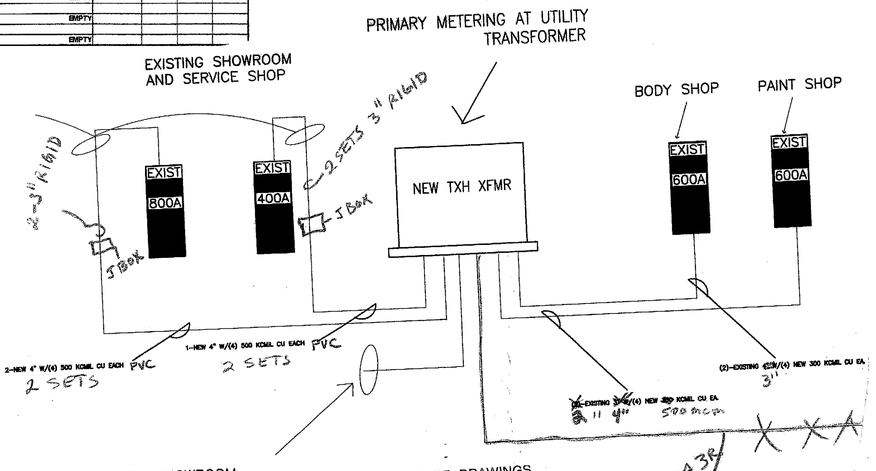
UNDERGROUND CIRCUIT

6 DETAIL SE003B SCALE: 1/2" = 1'-0"



UTILITY PRIMARY TRENCH

7 DETAIL SE002A SCALE: 1/2" = 1'-0"



RECORD DRAWINGS
DATE: FEB 13 2007

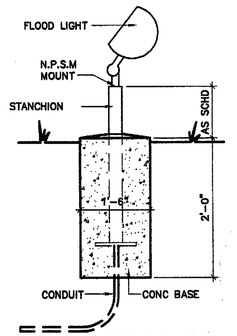
BIGGINS MORELAND ENGINEERING, INC.
10908 Sanden Dr., Suite 100
Dallas, Texas 75238
214-340-1333

NEW NEMA 3R
PNL-PL1, PL2
2 SETS
4-1/0-IN 4"C

SCHEMATIC ONLY

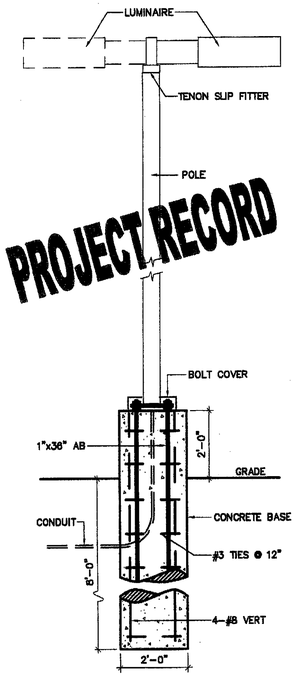
UTILITY PRIMARY TRENCH

7 DETAIL SE002A SCALE: 1/2" = 1'-0"



GROUND SET FIXTURE

8 DETAIL SE004A SCALE: 1" = 1'-0"



4 DETAIL SE001 SCALE: 1/2" = 1'-0"

Architectural Resources
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LUBBOCK, TX 79423
(806) 745-1103
BBS/FAX (806) 745-1225

BOLLER ASSOCIATES CONSULTING ENGINEERS
STRUCTURAL · MECHANICAL · ELECTRICAL
2525 74TH ST., LUBBOCK, TX 79423
FAX (806) 745-1225 (806) 745-1103

SITE ELECTRICAL AND LIGHTING PLAN

PARKING LOT IMPROVEMENTS TO LAKESIDE CHEVROLET
2005 SOUTH GOLIAD STREET ROCKWALL TEXAS

PROJECT NO. P05-0101
DATE: 7/30/2006
DRW BY: SPD CHK BY: SPD
REVISIONS:

SHEET NO.
SE-2
OF: 12

M:\LAKESIDE.LSC\LAKESIDE CHREVROLET - ROCKWALL TEXAS\Sheets\C14 SITE ELECTRICA.dwg, C14 SITE ELECTRICA, 7/30/2006 3:55:18 PM, steved, slotion 11 spd