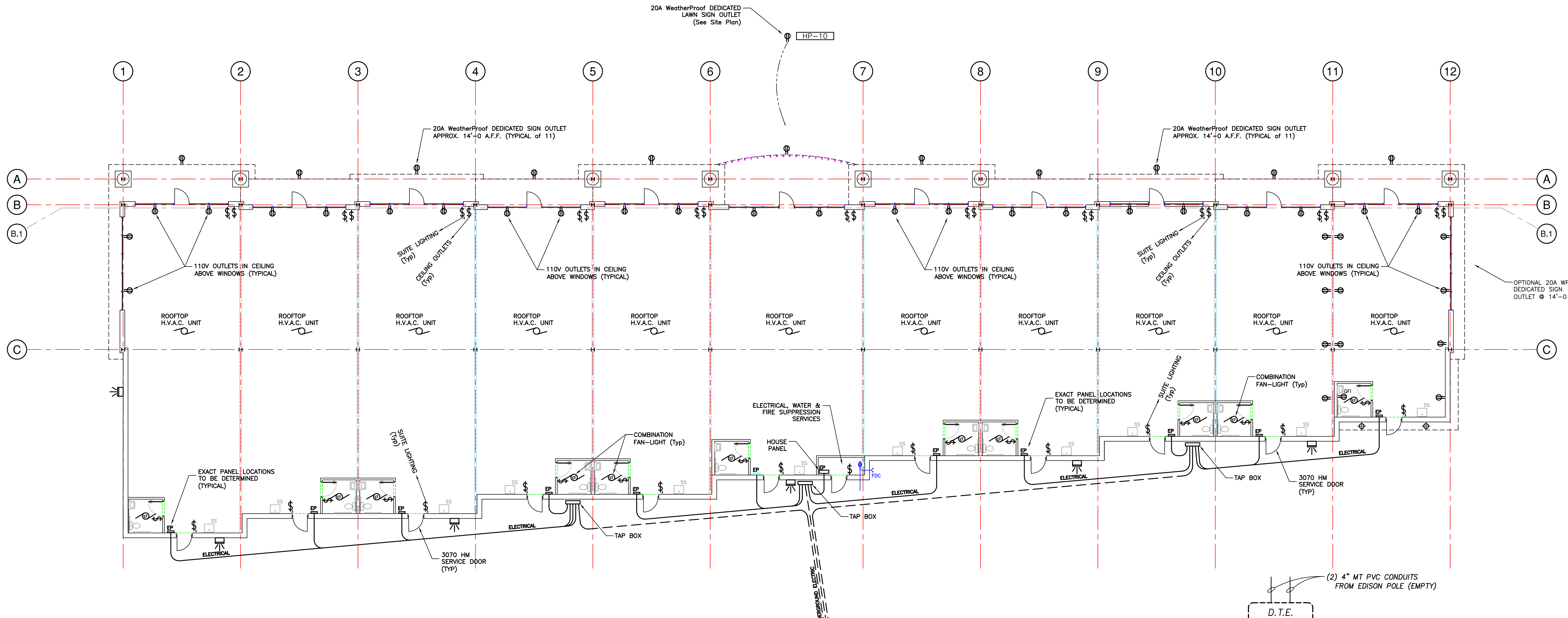




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Phone: (586) 416-4500
Fax: (586) 226-5666

ENTERPRISE SQUARE
(Enterprise Square @ Hall)
Hall Road (M-59) at Enterprise Drive
Clinton Township, MI 48038

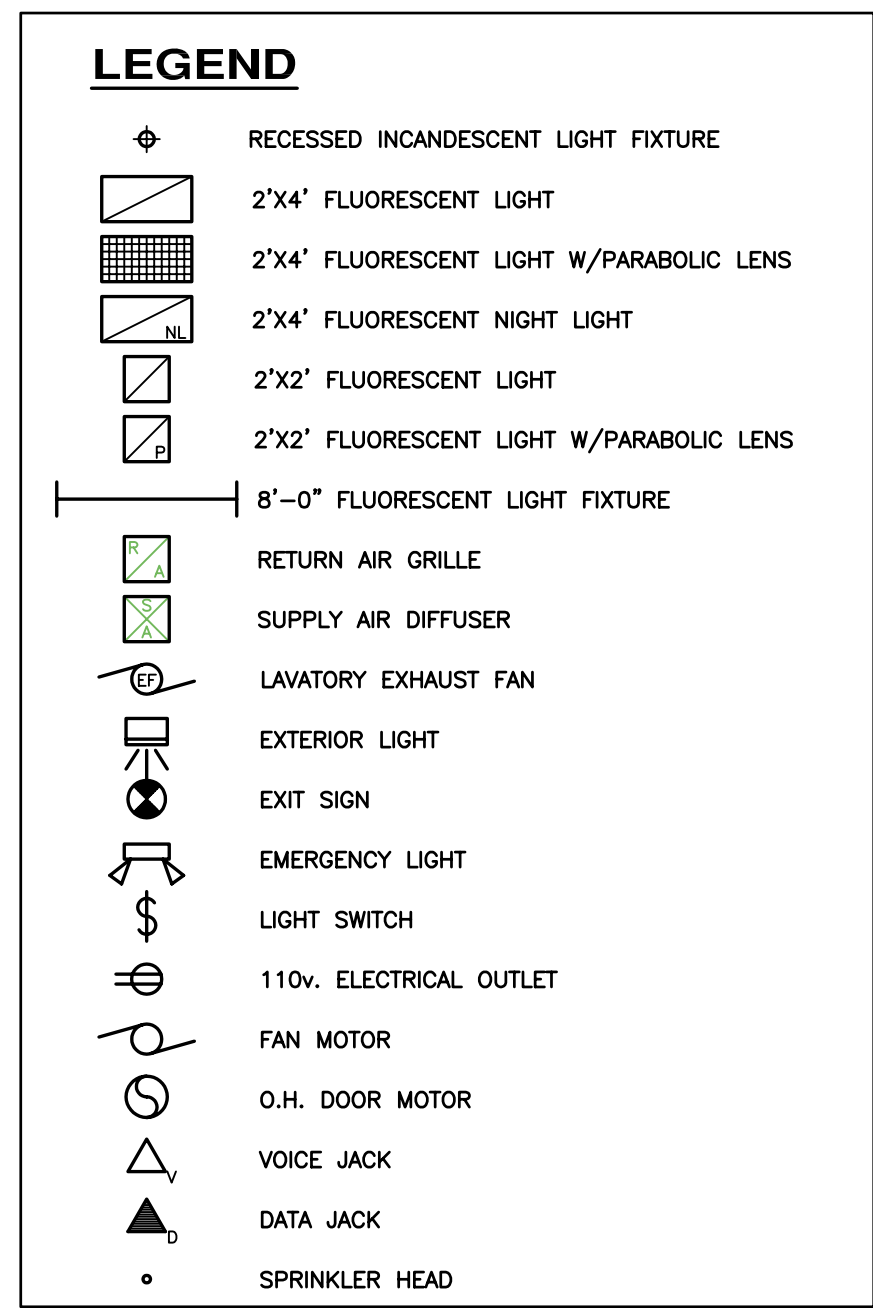
ELECTRICAL PLAN

DATE	DRAWN BY	ISSUED FOR
01/21/03	J.R.P.	PRELIMINARY
02/12/03	J.R.P.	ADD. PANEL DIAGRAMS
03/03/03	J.R.P.	REVISION
03/05/03	J.R.P.	ISSUED FOR BUILDING PERMIT

SHEET NO.
E-1.0
PROJECT NO.
02-0436

ELECTRICAL PLAN

SCALE: 3/32" = 1'-0"



NOTE:
ALL WORK SHALL MEET STATE AND LOCAL BUILDING CODES, REGARDLESS OF WHETHER SUCH REQUIREMENTS ARE SPECIFICALLY INDICATED ON THE DRAWINGS.

LOAD FORECAST

LIGHTING
15,850 SQ. FT. OFFICE X 2.0 VA/SQ. FT. = 31,700
+25% = 7,925
TOTAL LIGHTING = 39,625

RECEPTACLE LOAD
15,850 SQ. FT. OFFICE X 1 VA/SQ. FT. = 15,850

1ST 10 KVA @ 100% = 10,000
BALANCE @ 50% = 2,950
TOTAL RECEPTACLE = 12,950

HVAC
15,850 SQ. FT. OFFICE (A/C) X 6.5 VA/SQ. FT. = 103,025

CUSTOM EQUIPMENT
25,000

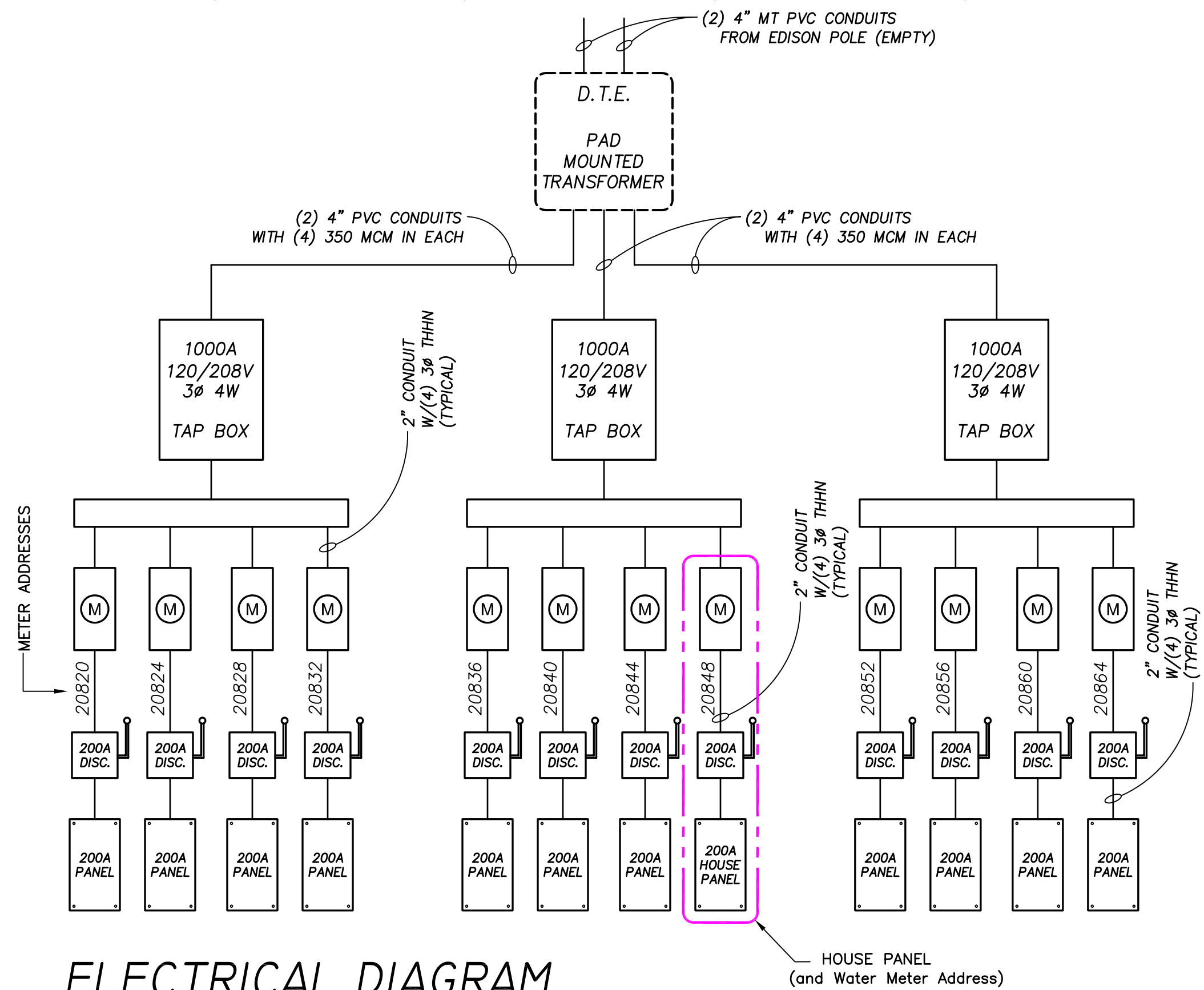
SUMMARY
LIGHTING = 39,625
RECEPTACLE = 12,950
HVAC = 103,025
CUSTOM = 25,000
TOTAL = 180,600

TYPICAL PANEL DIAGRAM

200 AMP 120/208 V 3Ø 4W					
ORIG. DESCRIPTION	BRKR.	W	ORIG. DESCRIPTION	BRKR.	W
1 CEILING LIGHTS	20A	1120	2 CEILING LIGHTS	20A	1120
3 WALL OUTLETS	20A	1000	4 WALL OUTLETS	20A	1000
5 WINDOW SOFFITT OUTLETS	20A	400	6 WINDOW SOFFITT OUTLETS	20A	400
7 EMERGENCY & EXIT LIGHTS	20A	400	8 FIRE ALARM & STROBE	20A	200
9 SIGNAGE CIRCUIT	20A	1200	10 ROOFTOP HVAC UNIT	50A	4680
11 LAV EXHAUST FAN & LIGHT	20A	400	12		
13 HOT WATER HEATER	30A	2000	14		
15			16		
17			18		
19			20		
21			22		
23			24		
25			26		
27			28		
29			30		
31			32		
33			34		
35			36		
37			38		
39			40		
41			42		
		6520			7400

HOUSE PANEL DIAGRAM

200 AMP 120/208 V 3Ø 4W					
ORIG. DESCRIPTION	BRKR.	W	ORIG. DESCRIPTION	BRKR.	W
1 PARKING LOT LIGHTING	30A	2400	2 SITE GROUND LIGHTING	20A	1200
3 EXTERIOR SOFFITT LIGHTS	20A	1100	4 EXTERIOR SOFFITT LIGHTS	20A	1200
5 250W WALL-PACKS	20A	1500	6 EXTERIOR SOFFITT LIGHTS	20A	1100
7 FIRE ALARM & STROBE	20A	200	8 UTILITY RM OUTLET & LIGHT	20A	300
9			10 LAWN SIGN	20A	1200
11			12		
13			14		
15			16		
17			18		
19			20		
21			22		
23			24		
25			26		
27			28		
29			30		
31			32		
33			34		
35			36		
37			38		
39			40		
41			42		
		5200			5000



ELECTRICAL DIAGRAM
NO SCALE

PLEASE NOTE:
THIS DRAWING IS DIAGRAMMATIC AND SHOULD BE USED TO DETERMINE THE DESIGN INTENT. THE CONTRACTOR SHALL FIELD VERIFY ALL WORK AND SHALL NOTIFY THE DESIGNER IMMEDIATELY OF ANY DISCREPANCIES IN THE DOCUMENTS BEFORE PROCEEDING. FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR TAKING ALL RESPONSIBILITY AND LIABILITY IN SAID DISCREPANCIES.