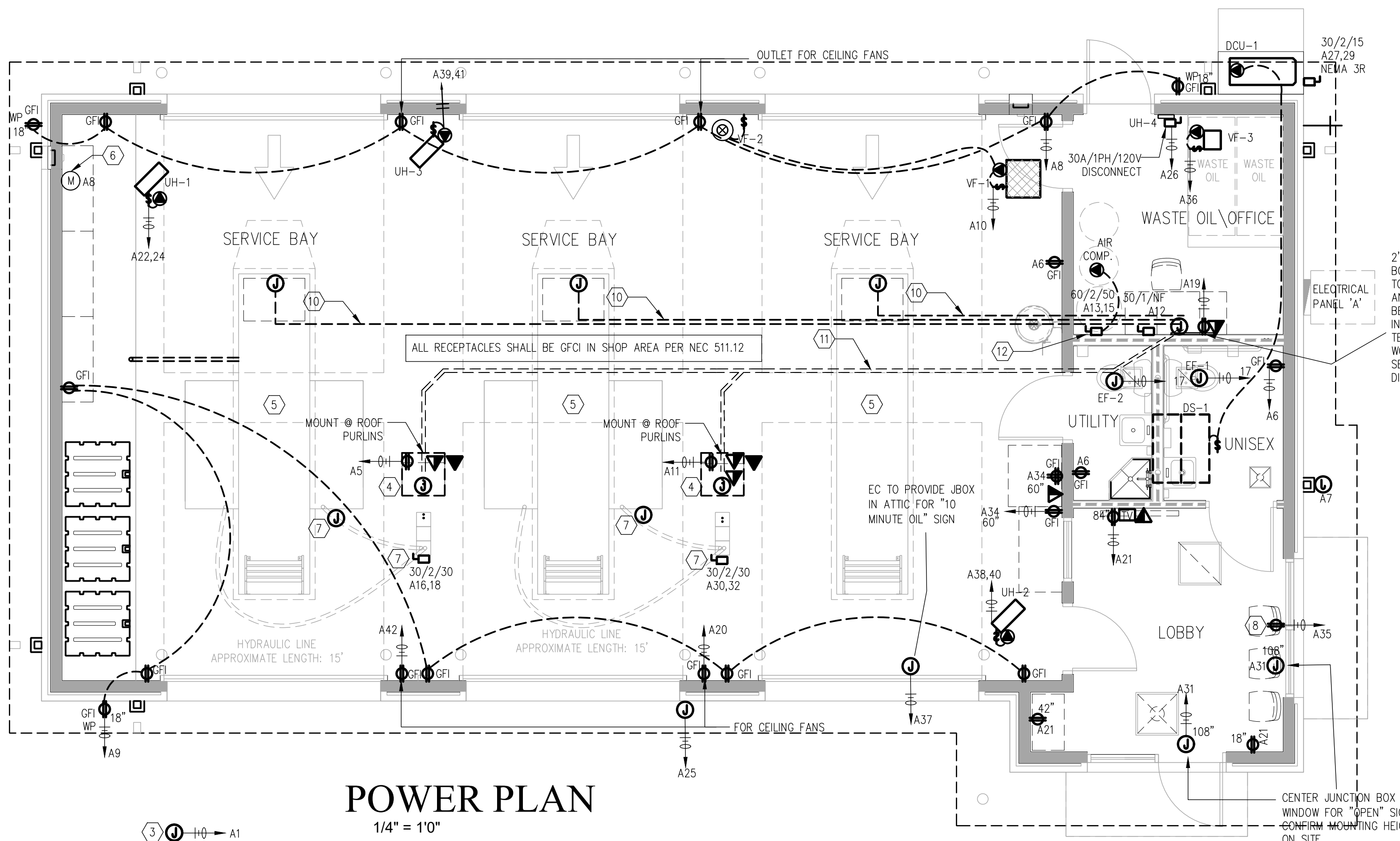


LIGHTING PLAN
1/4" = 1'0"



POWER PLAN
1/4" = 1'0"

ELECTRICAL NOTES FOR SERVICE BAYS

BUILDING IS CONSIDERED A "MINOR REPAIR GARAGE PER NEC ARTICLE 511.2 FLAMMABLE LIQUIDS HAVING A FLASH POINT BELOW 100°F SUCH AS GASOLINE, OR GASEOUS FUELS SUCH AS NATURAL GAS OR HYDROGEN, WILL NOT BE DISPENSED OR TRANSFERRED. ACCORDING TO NEC ARTICLE 511.3(D) THE FOLLOWING LOCATIONS IN THE SERVICE AREAS SHALL BE CONSIDERED CLASS I DIVISION 2 LOCATIONS:

1. FLOOR AREAS UP TO A LEVEL OF 18" ABOVE THE PITS & EXTENDING A DISTANCE 3' HORIZONTALLY FROM THE EDGE OF ANY PIT.
2. PIT AREAS UP TO THE FLOOR LEVEL.

NOTE: CEILING AREAS ARE UNCLASSIFIED SINCE LIGHTER THAN AIR GASES (SUCH AS NATURAL GAS & HYDROGEN) WILL NOT BE TRANSFERRED.

ALL ELECTRICAL WORK IN THESE CLASSIFIED AREAS SHALL CONFORM TO ARTICLE 511 FOR CLASS I DIVISION 2 LOCATIONS. PROVIDE SEALS IN CONDUIT & CABLE SYSTEMS PER ARTICLE 501 IN CLASSIFIED AREAS.

NOTE: OFFICE, WASTE OIL AND RESTROOM AREAS ARE UNCLASSIFIED SINCE WALLS ARE USED TO EFFECTIVELY CUT OFF / SEPARATE THESE ROOMS FROM AREAS WHERE FLAMMABLE VAPORS ARE LIKELY TO BE RELEASED AND THESE AREAS ARE TYPICALLY OUTSIDE THE 3' HORIZONTAL DISTANCE FROM PIT EDGE.

NOTE:
ALL SWITCHES ARE MOUNTED AT 48" A.F.F.
UNLESS NOTED OTHERWISE

GENERAL LIGHTING LEGEND

A	LED STRIPLIGHT FIXTURE LITHONIA LIGHTING: ZL1N - 48" 5000LM 40K LITHONIA LIGHTING: ZL1N - 96" 10000LM 40K
B	6" RECESSED DOWN-LIGHT WHITE LITHONIA LDN6
C	LITHONIA: ELM2-LED-W
EF-1/ EF-2	BATHROOM EXHAUST - 50 CFM GREENHECK - SP-B70
E	EXIT SIGN - 3.8W LITHONIA - ECG LED M6 WITH BATTERY BACKUP. CONFIRM MOUNTING HEIGHT ON SITE. CENTER ABOVE OPENING U.N.O.
F	OUTDOOR LED WALLPACK WET SAFETY RATED - 9.78W - 3000K WLS LIGHTING: WLS-LMWC-1-N-8-T3-C REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT
H	WALL MOUNTED LED LINEAR LIGHT FIXTURE SPI LIGHTING SEW 12146 8FT-L115W
J	LED LINEAR VAPOR LIGHT FIXTURE SHATTER PROOF LIGHTIDE LED L48 5000LM 40K
XR	LITHONIA: ELMRW REMOTE EMERGENCY EGRESS LIGHT FIXTURE

ELECTRICAL NOTES

1. THE CONTRACTOR PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES, APPLICABLE REGULATIONS AND ORDINANCES.
2. ALL WORK SHALL BE DONE IN A NEAT, PROFESSIONAL MANNER, BY COMPETENT, LICENSED TRADESMEN.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PAYING FOR ALL PERMITS AND OBTAINING ALL APPROVALS FROM THE AUTHORITY HAVING JURISDICTION.
4. CONTRACTOR SHALL PROVIDE A COMPLETE SYSTEM, AS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS AND ANY OTHER MEANS BY THE OWNER'S REPRESENTATIVE.
5. ALL MATERIALS USED UNDER THIS CONTRACT TO BE NEW, UL LISTED AND LABELED AND IN GOOD WORKING ORDER.
6. ALL BUILDING WIRING REQUIRED FOR THIS PROJECT TO BE BASED ON SOFT DRAWN COPPER, CONDUCTIVITY OF NOT LESS THAN THAT OF 98% PURE COPPER, THW OR THHN, THWN, 600 VOLT INSULATION, #12 MINIMUM. #12 WIRE MAY BE SOLID AND COLOR CODED AS REQUIRED BY NATIONAL ELECTRICAL CODE. ALL WIRING #10 OR LARGER SHALL BE STRANDED TYPE WITH COLORED TAPE USED AT ALL BOXES TO IDENTIFY EACH PHASE AND CIRCUIT.
7. ALL CONDUIT INSTALLED INDOORS SHALL BE EMT, 1/2" MINIMUM UNLESS WITHIN CLASSIFIED LOCATIONS. ALL CONDUIT INSTALLED UNDERGROUND AND IN SLAB SHALL BE HOT DIPPED RIGID GALVANIZED STEEL. ALL CONDUIT INSTALLED TO EXPOSURE OUTDOORS SHALL BE UNDERGROUND AND IN SLAB SHALL BE HOT DIPPED RIGID GALVANIZED STEEL.
8. CONTRACTOR SHALL PROVIDE FEEDER SERVICE FROM THE TENANT'S POWER LOAD CENTER TO THE MAIN DISCONNECT, METER AND EXISTING WIREWAY OR WEATHERHEAD. VERIFY EXISTING CONDITIONS ON SITE. REFER TO ONE LINE DIAGRAM.
9. CONTRACTOR SHALL PROVIDE A NEAT TYPE WRITTEN SCHEDULE OF EQUIPMENT LOADED ON EACH CIRCUIT. ALL LIGHTS SHALL BE LOCALLY SWITCHED WITH WALL TOGGLE SWITCHES, UNLESS NOTED OTHERWISE.
10. PROVIDE COPPER EQUIPMENT GROUND WIRE TO ALL RECEPTACLES AND ALL DIRECT CONNECTED EQUIPMENT. PROVIDE AN EQUIPMENT GROUND WIRE IN ALL BRANCH CIRCUIT FEEDERS AND SUB-FEEDERS AS SHOWN, BUT IN NO CASE IT BE SMALLER THAN REQUIRED BY CODE.
11. COORDINATE ALL POWER, DATA AND TELEPHONE SERVICE REQUIREMENTS WITH THE LOCAL POWER AND TELEPHONE COMPANIES.
12. PROVIDE 3/4" EMPTY CONDUIT WITH PULL WIRE FOR ALL TELEPHONE, COMPUTER AND DATA LINES AS INDICATED ON THE DRAWINGS. PROVIDE OUTLET BOXES FOR ALL TELEPHONE OUTLETS COMPLETE WITH CONDUIT AND PULL WIRES TO AN ACCESSIBLE LOCATION.
13. MOUNT ALL RECEPTACLES AND POWER OUTLETS AT 18" ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS MOUNTED IN COUNTERS AND PONY WALLS.
14. MOUNT ALL TELEPHONE, DATA AND MODEM OUTLETS AT 18" ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE. PROVIDE CONDUIT AND WALL BOX WITH PULL WIRE AT AN ACCESSIBLE LOCATION ABOVE CEILINGS THAT ARE NOT ACCESSIBLE.
15. PROVIDE A GROUND FAULT PROTECTED, WEATHERPROOF DUPLEX RECEPTACLE AS REQUIRED BY THE LOCAL, STATE OR NATIONAL CODES, ADJACENT TO EACH AIR COOLED CONDENSER AND/OR ROOF TOP UNIT.
16. ALL ELECTRICAL HOME RUNS SHALL BE INSTALLED AS TIGHT TO THE UNDERSIDE OF STRUCTURE AS POSSIBLE AND THROUGH THE STRUCTURAL ROOF BEAMS AND JOISTS.
17. ALL BORING, SLAB SAW CUTTING OR INTERRUPTION OF ELECTRICAL SERVICE TO THE BUILDING SHALL BE DONE AFTER HOURS, WITH PRIOR ARRANGEMENT OF THE LANDLORD.
18. CONTRACTOR SHALL PROVIDE TEMPORARY POWER TO OR USE OUTLETS LOCATED IN THE TENANT SPACE. NO TAMPERING IS PERMITTED WITH ANY ADJACENT TENANT SPACES.
19. ALL BREAKERS IN PANEL BOARDS SHALL BE 20A SPARES, UNLESS NOTED OTHERWISE.

KEYED NOTES:

1. LUMINAIRE SHALL BE CONNECTED TO UNSWITCHED PORTION OF CIRCUIT FOR NIGHT LIGHT OPERATION
2. PROVIDE 2-CIRCUIT, 7-DAY ASTRONOMICAL DIGITAL TIME-CLOCK, LIGHTING CONTACTORS AND TIMECLOCK OVERRIDE SWITCH. REFER TO LIGHTING CONTROL DIAGRAM ON SHEET E2.0. COORDINATE LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
3. COORDINATE CONNECTION REQUIREMENTS FOR MONUMENT LIGHT AND LOCATION WITH EQUIPMENT PROVIDED. COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS.
4. FOR COMPUTER PEDESTAL EQUIPMENT, CENTERED BETWEEN PITS. PROVIDE (2) FS BOXES ON 3/4" GRC CONDUITS STUBBED UP 6" ABOVE FLOOR. PROVIDE GFCI QUAD RECEPTACLE IN ONE BOX AND COVERPLATE WITH GROMMETED OPENING FOR DATA WIRING IN THE OTHER BOX. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH OWNER AND WITH THE EQUIPMENT PROVIDED.
5. PIT IS MECHANICALLY VENTILATED BY FAN VF-2 PER NEC 511.3(C), RESULTING IN UNCLASSIFIED DESIGNATION.
6. PROVIDE 120V POWER CONNECTION FOR CONTROL POWER AT MOTORIZED DAMPER COORDINATE ALL ELECTRICAL WORK WITH LOUVER INSTALLER.
7. EC SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS AND CONNECTIONS FOR THE LIFTS WITH LIFT INSTALLER.
8. PROVIDE CEILING-MOUNTED SHOW WINDOW RECEPTACLE.
9. EC TO PROVIDE 3/4" CONDUIT & PULL STRING TO EACH SIDE OF PITS FOR INSTALLATION OF PIT WELL LIGHTING. LOCATION & CONFIGURATION TO BE CONFIRMED PRIOR TO CONSTRUCTION.
10. EC TO PROVIDE 3/4" CONDUIT & PULL STRING FOR CAT6 CABLE FOR CAMERAS IN EACH PIT. CONFIGURE LOCATION & CONFIGURATION PRIOR TO CONSTRUCTION.
11. GC TO PROVIDE UNDER SLAB CONDUITS FOR CAT6 LOW VOLTAGE CABLING. COORDINATE EXACT LOCATION OF JUNCTION BOXES WITH OWNER PRIOR TO ROUGH-IN.
12. GC TO PROVIDE AND INSTALL SHUT-OFF LEVER, COORDINATE WITH DEVON OR ELECTRICAL REQUIREMENT FOR AIR COMPRESSOR AND MAKING CONNECTION. REFER TO GC INFORMATION PROVIDED BY OWNER. CONTACT DEVON EQUIPMENT AT 817-313-5862

EQUIPMENT SCHEDULE

CALLOUT	SYMBOL	NEMA	VOLTS	AMPS	KVA	HP	CIRCUIT
AIR COMPRESSOR			208V 2P 2W	37.5	7.8		A-13,15
DCU-1			208V 2P 2W	6.88	1.43		A-27,29
DS-1			208V 2P 2W	0.22	0.05		
EF-1 / EF-2			120V 1P 2W	0.13	0.02		A-17
VF-3			120V 1P 2W	0.2	0.02		A-36
LIFT			240V 2P 3W	11	5.2	1.5 HP	A-16,18
LIFT			240V 2P 3W	11	5.2	1.5 HP	A-30,32
MONUMENT SIGN			120V 1P 2W	10	1.2		A-1
UH-1			240V 1P 2W	42	10		A-22,24
UH-2			240V 1P 2W	42	10		A-38,40
UH-3			240V 1P 2W	42	10		A-39,41
VF-1			120V 1P 2W	4.4	0.53	1/6 HP	A-10
VF-2			120V 1P 2W	0.51	0.06		A-10
WH-1			120V 1P 2W	13.75	1.65		A-12
UH-4			120V 1P 2W	12.5	1.5		A-26



05/26/23

CASE
Engineering Inc.
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St. Louis, MO 63026
T 636.349.1600
F 636.349.1730
CERTIFICATE OF AUTHORITY NO. PEF007349

STRICKLAND BROTHERS
317 N BROAD STREET
WINDER, GEORGIA

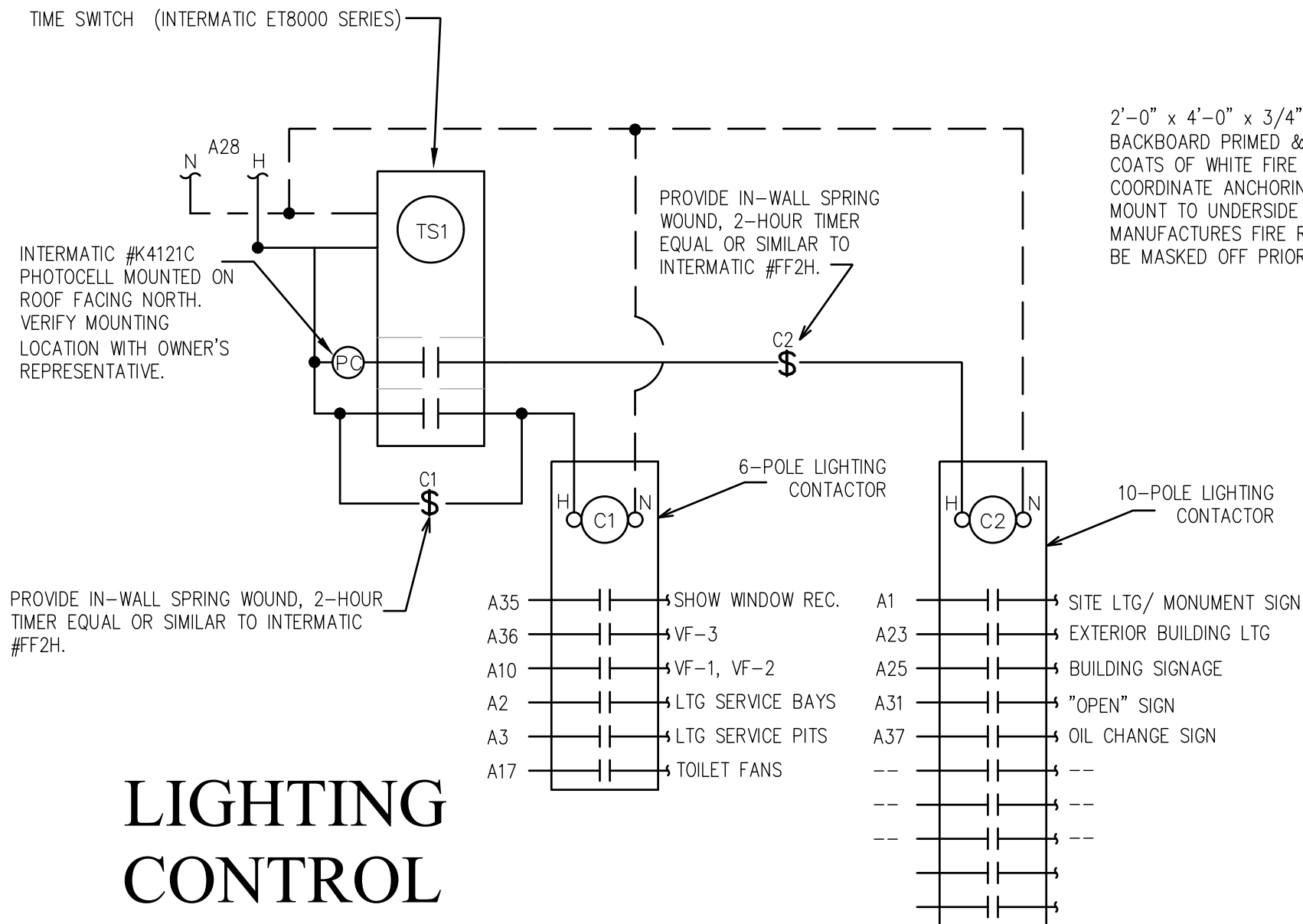
Revisions:

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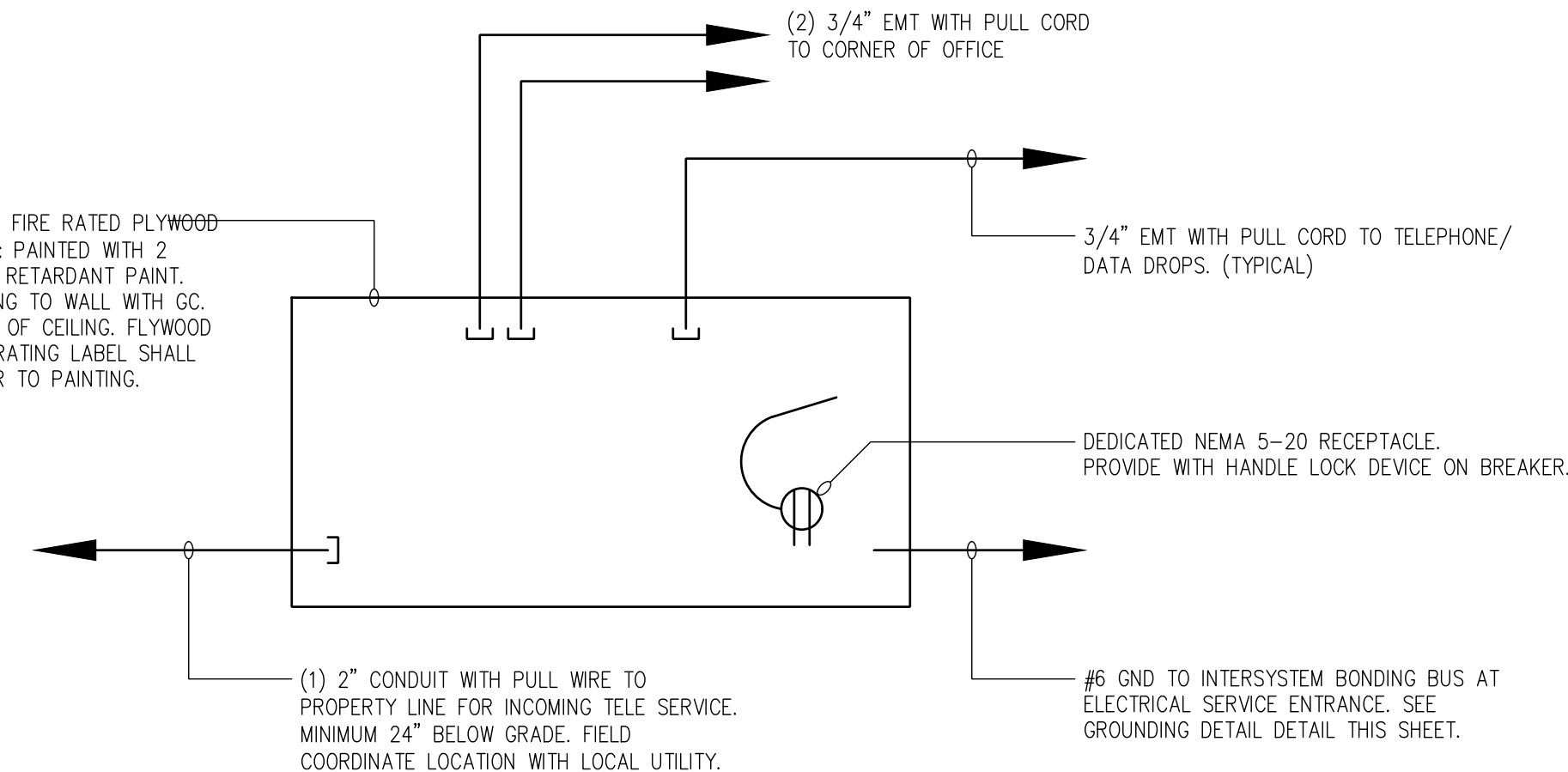
SHEET
E1.0
ELECTRICAL PLANS

PANEL A SCHEDULE																																					
SYSTEM VOLTAGE 240/120V 1Ø-3W														MAINS 400A MCB														MOUNTING SURFACE NEMA 3R									
NOTES	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	POLE	LOAD (KVA)								CKT.	BKR.	BKR.	CKT.	LOAD (KVA)								POLE	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	NOTES								
					LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE					PHASE	MISC	KIT	HTG	A/C	MTR	REC	LTG													
C2	SITE LTG/MONUMENT SIGN(TC)	2"	8	1	1.6									1	20A	20A	2										0.7	1	12	1/2"	LIGHTING — SERVICE BAYS	C1					
C1	LIGHTING — SERVICE PITS	1/2"	12	1		0.3								3	20A	20A	4										0.5	1	12	1/2"	LIGHTING — SUPPORT						
GFI	REC. — IG WORK #3	1/2"	12	1		0.4								5	20A	20A	6										0.54	1	12	1/2"	REC. — SERVICE/RR	GFI					
	IRRIGATION CONTROL	1/2"	12	1								1.2		7	20A	20A	8										0.8	1	12	1/2"	REC. — SERVICE/RR	GFI					
GFI	REC. — SERVICE	1/2"	12	1		1.0								9	20A	20A	10									0.6	1	12	1/2"	VF-1, VF-2	C1						
GFI	REC. — WORK #1	1/2"	12	1		1.2								11	20A	20A	12											1	12	1/2"	WH-1						
	AIR COMPRESSOR	1/2"	8	2			3.9							13	50A	20A	14																				
							3.9							15		30A	16											2	10	3/4"	SPARE						
C1	EF-1/EF-2	1/2"	12	1			0.09							17	20A		18																				
GFI	TELE BOARD (LO)	1/2"	12	1		0.4								19	20A	20A	20												1	12	1/2"	LIFT					
	LOBBY REC	1/2"	12	1		0.7								21	20A	60A	22												2	6	3/4"	RECEPTACLE	GFI				
C2	LIGHTING — EXTERIOR	1/2"	12	1		0.2								23	20A		24																				
C2	BLDG SIGNAGE	1/2"	12	1								1.2		25	20A	20A	26											1	12	1/2"	UH-1						
	DCU-1 / DS-1	1/2"	12	2										27	15A	20A	28																				
							1.0							29		30A	30																				
														31	20A		32												2	10	3/4"	RECEPTACLE					
C2	REC. — "OPEN" SIGN	1/2"	12	1		0.4								33	20A	20A	34												1	12	1/2"	LIFT					
	SPARE	1/2"	12	1										35	20A	20A	36																				
C1	LIGHTING — SHOW WINDOW	1/2"	12	1		0.2								37	20A	20A	38										0.2	1	12	1/2"	RECEPTACLE	GFI					
														39	20A	60A	38																				
C2	OIL CHANGE SIGN	1/2"	12	1		0.2								37	20A	60A	38												2	6	3/4"	TIME CLOCK	C1				
	UH-3	3/4"	6	2										39	60A		40																				
														41		20A	42												1	12	1/2"	LIFT					
LIGHTING (KVA)					3.0	1.8	4.8	7.8	2.0	10.1	2.4													CONNECTED LOAD (KVA)					69.5								
RECEPTACLES (KVA)					6.7													DEMAND LOAD (KVA)					70.5														
MOTORS (KVA)					8.6																																
A/C (KVA)					2.0																																
HEATING (KVA)					31.8																																
KITCHEN (KVA)					0.0																																
MISCELLANEOUS (KVA)					16.1																																

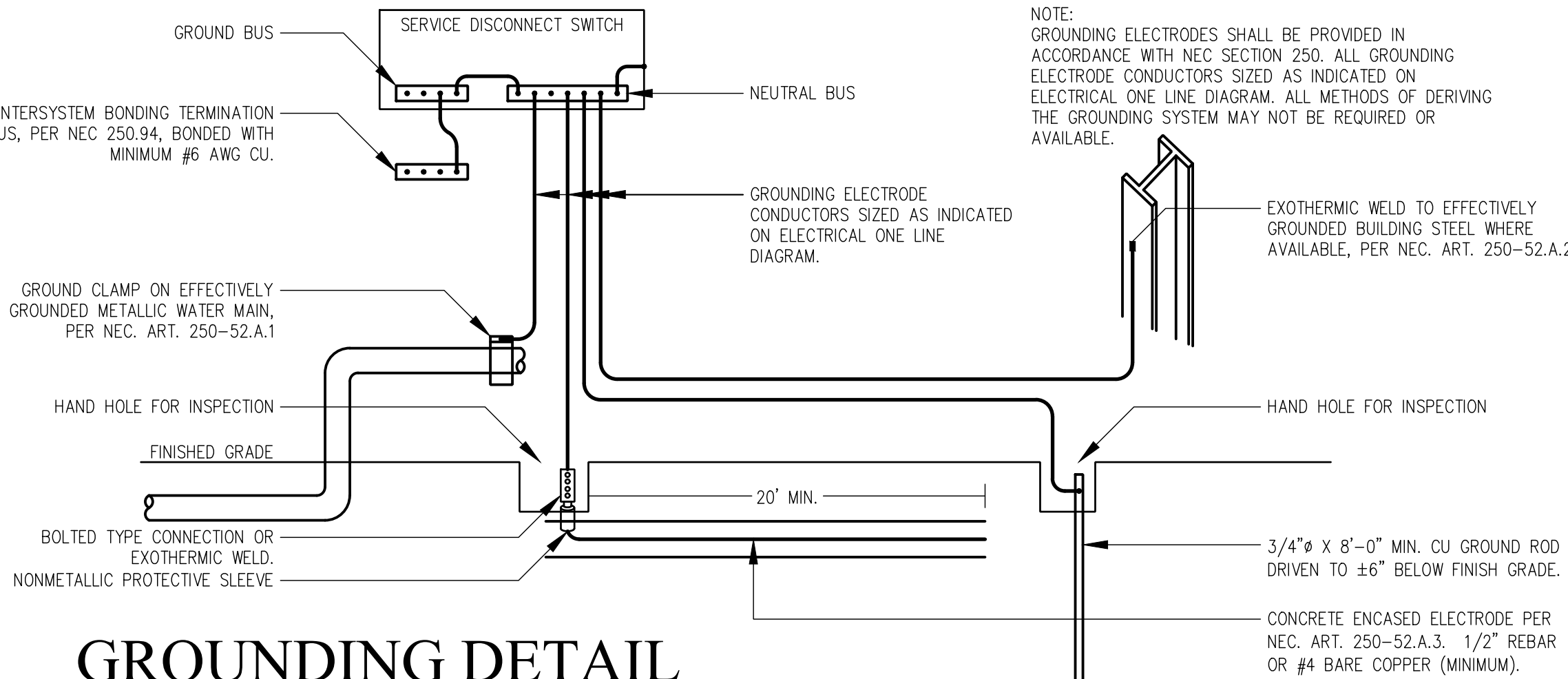
NOTE:
C1: TIMECLOCK CONTACTOR 1 SEE TC DETAIL BELOW
C2: TIMECLOCK CONTACTOR 2 SEE TC DETAIL BELOW
GFI: PROVIDE GFI TYPE CIRCUIT BREAKER
IG: PROVIDE ISOLATED GROUND



LIGHTING CONTROL DIAGRAM



TELEPHONE RISER DIAGRAM



GROUNDING DETAIL

A DEMAND CALCULATION									
SINGLE PHASE POWER									
1. LIGHTING	3	KVA	x	125	%	=	3.75	KVA	
2. RECEPTACLE	6.7	KVA	x	100	%	=	6.7	KVA	
1ST	0	KVA	x	50	%	=	0	KVA	
REMAIN	8.6	KVA	x	100	%	=	8.6	KVA	
3. MOTORS	2	KVA	x	100	%	=	2	KVA	
4. A/C	31.8	KVA	x	100	%	=	31.8	KVA	
5. HEATING	—	KVA	x	100	%	=	—	KVA	
6. FUTURE	16.1	KVA	x	100	%	=	16.1	KVA	
7. MISCELLANEOUS	10.55	KVA	x	100	%	=	10.55	KVA	
TOTAL	287.29	A					KVA	68.95	

ELECTRICAL SPECIFICATIONS

GENERAL:

PROVIDE NEMA 1 ENCLOSURES FOR INTERIOR LOCATIONS AND NEMA 3R ENCLOSURES FOR EXTERIOR LOCATIONS UNLESS NOTED OTHERWISE.

CONDUITS:

CONDUITS WITHIN CLASSIFIED AREAS SHALL BE IN ACCORDANCE WITH NEC REQUIREMENTS.

ALL CONDUIT SHALL BE 1/2" MINIMUM SIZE AND ZINC-COATED EMT, EXCEPT IN WET, DAMP, OR WASHDOWN AREAS WHERE ZINC-COATED RIGID STEEL (GRC) OR INTERMEDIATE METALLIC CONDUIT (MC) SHALL BE USED. EMT FITTINGS SHALL BE HEXAGONAL, GALVANIZED, STEEL GLAND, COMPRESSION TYPES.

EMT CONNECTORS SHALL HAVE INSULATED THROATS. INSULATING THROATS SHALL BE MANUFACTURED WITH THE CONNECTORS; USE OF INSULATING SLEEVES IS NOT ALLOWED. ALL GRC OR IMC CONDUITS ENTERING ENCLOSURES SHALL BE TERMINATED WITH DOUBLE LOCKNUTS AND A FIBER BUSHING OR BOND BUSHING (WHERE NEC REQUIRED).

FLEXIBLE CONDUIT CONNECTORS SHALL BE T & B NYLON INSULATED "TITE-BITE."

LIQUID-TIGHT FLEXIBLE CONDUIT SHALL BE USED FOR FINAL EQUIPMENT CONNECTIONS, AND IN DAMP LOCATIONS.

SECURE CONDUITS USING MANUFACTURED STRAPS. TIE WIRE IS NOT ALLOWED.

EXCEPT FOR MECHANICAL AREAS, ALL CONDUIT SHALL BE INSTALLED CONCEALED WHEREVER POSSIBLE. CONDUITS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO STRUCTURAL ELEMENTS AND SHALL BE INSTALLED IN GROUPS, WHERE INSTALLED AT THE ROOF OR CEILING, GROUPINGS SHALL BE SINGLE DEPTH AND INSTALLED TIGHT AGAINST THE STRUCTURE. FOR MULTIPLE DEPTH GROUPINGS AND OTHER SITUATIONS, A TRAPEZOID ARRANGEMENT USING APPROPRIATE CHANNELS SUSPENDED FROM THE STRUCTURE USING THREADED RODS OF SUFFICIENT SUPPORTING STRENGTH WILL BE PERMITTED. ALL CONDUITS SHALL BE KEPT A MINIMUM OF (SIX) 6 INCHES AWAY FROM PARALLEL RUNS OF STEAM OR HOT WATER PIPES AND FLUES.

THE CONTRACTOR MAY, AT HIS OPTION, USE TYPE MC CABLE ONLY IN CONCEALED LOCATIONS AS PERMITTED BY OWNER AND THE AUTHORITY HAVING JURISDICTION. TYPE MC CABLE SHALL NOT BE USED IN ANY EXPOSED LOCATIONS.

THE CONTRACTOR SHALL PROVIDE ACCESS DOORS IN WALLS AND CEILINGS FOR ACCESS TO PULL BOXES, ACCESSORIES, ETC., UNDER THE ELECTRICAL CONTRACT WHERE REQUIRED. DOORS SHALL BE SIZED AS REQUIRED (MINIMUM 16" X 16") WITH A FINISH TO MATCH THAT OF THE ROOM IN WHICH IT IS INSTALLED. THE ARCHITECT SHALL APPROVE FINISH OF THE ACCESS DOORS.

ALL UNDERGROUND METALLIC CONDUITS SHALL BE THOROUGHLY COATED WITH TWO COATS OF ASPHALTUM OR BITUMASTIC PAINT. CONDUITS INSTALLED UNDERGROUND ON THE EXTERIOR OF THE BUILDING SHALL BE BURIED 3'-6" MINIMUM UNDER ROADWAYS AND PARKING AREAS, AND BURIED 2'-6" IN OTHER AREAS.

THE CONTRACTOR MAY, AT HIS OPTION, USE RIGID NONMETALLIC CONDUIT ONLY FOR THE SECONDARY UNDERGROUND SERVICE, THE UNDERGROUND TELEPHONE SERVICE CONDUIT, AND BRANCH CIRCUITS AND TELEPHONE SYSTEM CONDUITS LOCATED BELOW THE CONCRETE FLOOR SLAB ON GRADE OR BURIED ON THE EXTERIOR OF THE BUILDING. ALL PVC SHALL BE SCHEDULE 40 (UNLESS NOTED OTHERWISE) POLYVINYL CHLORIDE U.L. LISTED FOR USE WITH 75 DEGREE C CONDUCTORS. INSTALLATION SHALL BE IN ACCORDANCE WITH NEC ARTICLE 352, ALL CODES, THE UTILITY COMPANY REGULATIONS, AND THE MANUFACTURER'S INSTRUCTIONS.

ALL PVC COMPONENTS OF THE PVC CONDUIT SYSTEM SHALL BE FURNISHED FROM THE SAME MANUFACTURER AND USED SPECIFICALLY FOR THEIR INTENDED PURPOSE. ALL FIELD BENDS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND ACCREDITED TESTING LABORATORY REQUIREMENTS. PVC THAT HAS BEEN HEATED WITH A TORCH SHALL BE REPLACED. USE SCHEDULE 80 PVC 90 DEGREE ELBOWS IN LIEU OF ALL SCHEDULE 40 PVC 90 DEGREE ELBOWS EXCEPT FOR CONDUITS 1" AND SMALLER, PVC SHALL NOT PENETRATE SLAB ON GRADE FOR ANY REASON; USE GRC CONDUIT FOR ALL PENETRATIONS.

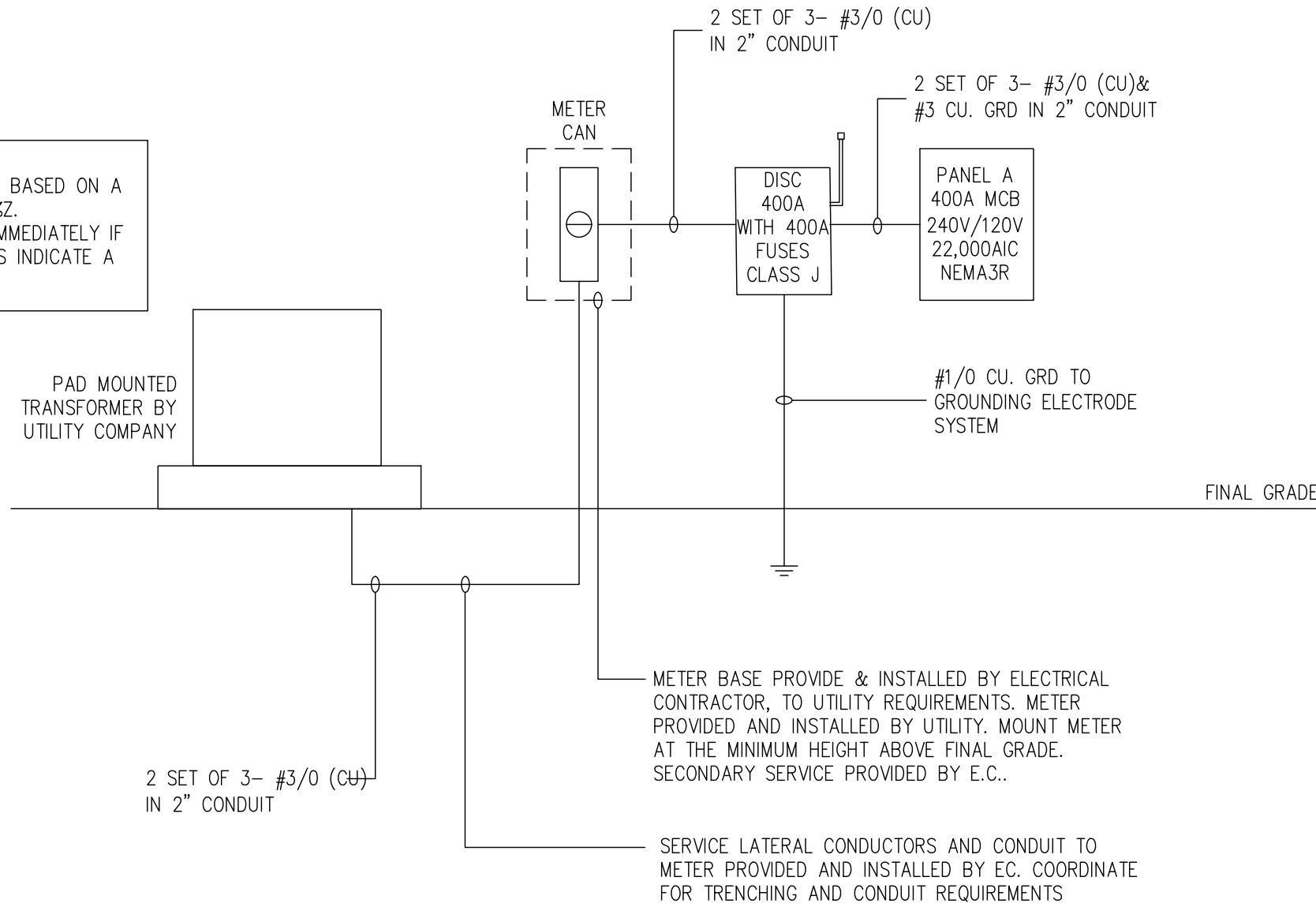
PROVIDE 100-POUND TEST, NYLON PULL CORDS IN ALL EMPTY CONDUITS.

ALL OUTLET BOXES SHALL BE GALVANIZED STEEL EXCEPT THAT CAST BOXES WITH GASKETED COVERS SHALL BE REQUIRED IN ALL INTERIOR WET AREAS AND ON THE EXTERIOR OF THE BUILDING. OUTLET BOXES SHALL BE NO LESS THAN 4" SQUARE BY 1-1/2" DEEP. MULTIGANG BOXES SHALL BE OF SINGLE PIECE CONSTRUCTION.

PULL BOXES SHALL BE CONSTRUCTED OF THE CODE GAUGE GALVANIZED SHEET METAL AND SHALL COMPLY WITH NEC ARTICLE 314. SEAMS SHALL HAVE A CONTINUOUS WELD.

GC TO INSTALL CONDUIT AND ELECTRICAL DEDICATED LINE PER TENANT'S SIGNAGE PLAN INCLUDING MONUMENT/POLE SIGN.

GC TO PROVIDE COVER PLATE FOR ALL DATA RECEPTACLES AND 3' CAT6 PATCH CORD



ELECTRICAL ONE LINE DIAGRAM

WIRING:

CONDUCTORS SHALL BE COPPER, THW OR THHN/THWN, SOLID FOR #10 AWG OR #12 AWG, AND STRANDED FOR ALL LARGER SIZES. CONTROL CIRCUIT CONDUCTORS MAY BE #14 AWG, SOLID, TYPE THW. ALL 240/120 VAC CONDUCTORS SHALL BE COLOR-CODED BLACK, RED, WHITE, AND GREEN FOR PHASES A, B, NEUTRAL, AND GROUND RESPECTIVELY.

ALL CONDUCTORS AND CABLES SHALL BE INSTALLED IN RACEWAYS EXCEPT AS OTHERWISE SPECIFIED HEREIN.

THE CONTRACTOR MAY, AT HIS OPTION, USE TYPE MC CABLE ONLY IN CONCEALED LOCATIONS AS PERMITTED BY THE OWNER AND AUTHORITY HAVING JURISDICTION. TYPE MC CABLE SHALL NOT BE USED IN ANY EXPOSED LOCATIONS.

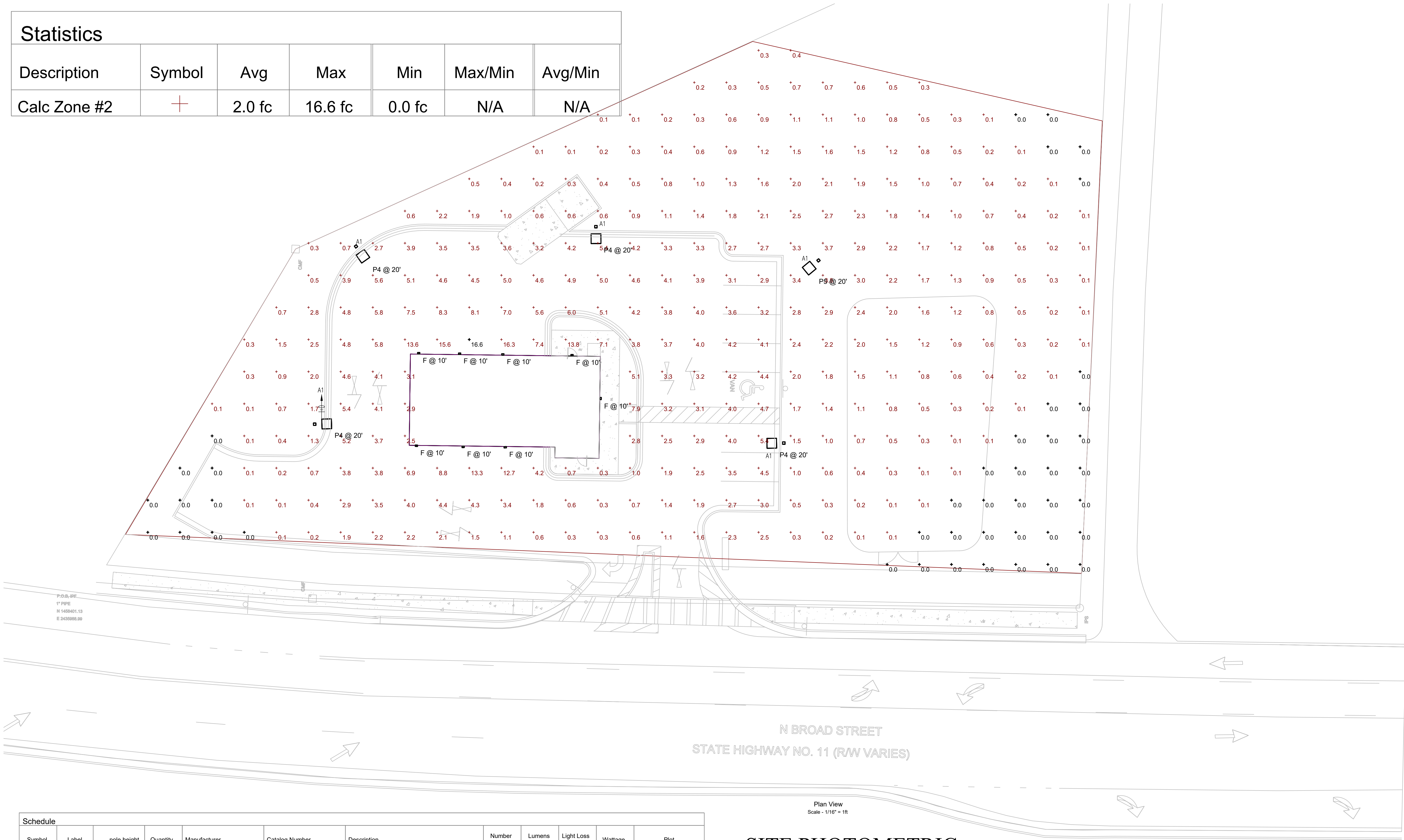
ELECTRICAL CONDUCTORS SHALL BE TESTED FOR CONTINUITY AND GROUNDS BEFORE BEING ENERGIZED. ALL FAULTY CONDUCTORS SHALL BE REPLACED. SERVICE ENTRANCE CONDUCTORS SHALL BE MEGGER TESTED AND THE RESULTS SUBMITTED TO THE ARCHITECT FOR APPROVAL.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY COORDINATING WITH THE OTHER TRADES TO DETERMINE THE POWER REQUIREMENTS AND CONNECTION POINTS FOR EQUIPMENT FURNISHED BY OTHERS. HE SHALL PROVIDE ELECTRICAL POWER TO EACH PIECE OF EQUIPMENT BASED UPON THE MANUFACTURER'S WIRING DIAGRAMS AND UNIT MOUNTED NAMEPLATES.

THE CONDUIT AND NEUTRAL CONDUCTORS OF THE ELECTRICAL SYSTEM AND ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR WITH EVERY CIRCUIT AND IN EVERY CONDUIT. THE CONDUIT SYSTEM AND NEUTRAL CONDUCTORS SHALL BE BONDED TOGETHER ONLY AT THE SERVICE ENTRANCE EQUIPMENT. GROUNDING AT THE SERVICE ENTRANCE SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250. NO CONDUIT SHALL CONTAIN MORE THAN THREE PHASE CONDUCTORS. DERATING OF CONDUCTORS WILL NOT BE ALLOWED.

DEVICES:</

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #2	+	2.0 fc	16.6 fc	0.0 fc	N/A	N/A



Schedule											
Symbol	Label	pole height	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Plot
	P4	20'	4	NLS Lighting	NV-1-T4-48L-1-40K-UNV-HSS	T4 OPTICS WITH BLACK HSS	1	9674	0.93	156	\\photometric_image1.bmp
	P5	20'	1	NLS Lighting, LLC	NV-1-T5-48L-1-40K	T5 silicone optics	1	19335	0.93	156	\\photometric_image2.bmp
	F		8	RAB LIGHTING INC.			1	3474	0.93	30	\\photometric_image3.bmp

SITE PHOTOMETRIC



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CERTIFICATE OF AUTHORITY NO. PE007349

STRICKLAND BROTHERS

317 N BROAD STREET
WINDER, GEORGIA

Revisions:

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Project No: 22152
Date: 05/26/23
Drawn By:
Checked By:

SHEET

PH1.0

SITE PHOTOMETRIC