

PANEL: LEASE SPACE #1
LOCATION: OUTSIDE RESTROOM
FEEDER SOURCE: UTILITY METER

VOLTAGE: 120/208V, 200A 3Ø, 4W
ENCLOSURE: NEW PANEL, RECESSED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER, 22000 AIC, W/ MAIN BRKR

CKT. NO.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	WIRING			LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	CKT. NO.
					AMP	POLE	LOCATION					
1	#12	WALL RECEPTACLES	20	1	1120			2964	2	AVC-1B COMPRESSOR (4 TON)	#6	2
3	#6	AC-1A COMPRESSOR (5 TON)	60	2	3890			2964	2	AHU-1B (4 TON) & 7.5kW ELECTRIC HEAT	#6	4
5	#12	RESTROOM LIGHTS & EXHAUST FAN	20	1	250			5179	2	MAIN LEASE SPACE AREA LIGHTS	#12	6
7	#6	AHU-1A (8 TON) & 11.5kW ELECTRIC HEAT	50	3	5404			2800	1	WATER HEATER 10 GALLON	#10	8
9	#12	SPARE	20	1	960			2400	1	MAIN LEASE SPACE AREA LIGHTS	#12	10
11	#12	SPARE	20	1	-			1800	1	EMERGENCY & EXIT LIGHTS	#12	12
13	#12	SPARE	20	1	-			700	1	SPARE	#12	14
15	#12	SPARE	20	1	-			-	1	SPARE	#12	16
17	#12	SPARE	20	1	-			-	1	SPARE	#12	18
19	#12	SPARE	20	1	-			-	1	SPARE	#12	20
21	#12	SPARE	20	1	-			-	1	SPARE	#12	22
23	#12	SPARE	20	1	-			-	1	SPARE	#12	24
25	#12	SPARE	20	1	-			-	1	SPARE	#12	26
27	#12	SPARE	20	1	-			-	1	SPARE	#12	28
29	#12	SPARE	20	1	-			-	1	SPARE	#12	30
31	#12	SPARE	20	1	-			-	1	SPARE	#12	32
33	#12	SPARE	20	1	-			-	1	SPARE	#12	34
35	#12	SPARE	20	1	-			-	1	SPARE	#12	36
37	-	SPACE	-	1	-			-	1	SPACE	-	38
39	-	SPACE	-	1	-			-	1	SPACE	-	40
41	-	SPACE	-	1	-			-	1	SPACE	-	42

TOTAL CONNECTED LOAD (VA)=50,308
AØ=16,717 BØ=16,710 CØ=16,873

PANEL: LEASE SPACE #2 (FUTURE)
LOCATION: OUTSIDE RESTROOM
FEEDER SOURCE: UTILITY METER

VOLTAGE: 120/208V, 200A 3Ø, 4W
ENCLOSURE: NEW PANEL, RECESSED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER, 22000 AIC, W/ MAIN BRKR

CKT. NO.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	WIRING			LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	CKT. NO.
					AMP	POLE	LOCATION					
1	-	-	-	-				-	-	-	-	2
3	-	-	-	-				-	-	-	-	4
5	-	-	-	-				-	-	-	-	6
7	-	-	-	-				-	-	-	-	8
9	-	-	-	-				-	-	-	-	10
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

TOTAL CONNECTED LOAD (VA)=0
AØ=0 BØ=0 CØ=0

PANEL: LEASE SPACE #3 (FUTURE)
LOCATION: OUTSIDE RESTROOM
FEEDER SOURCE: UTILITY METER

VOLTAGE: 120/208V, 200A 3Ø, 4W
ENCLOSURE: NEW PANEL, RECESSED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER, 22000 AIC, W/ MAIN BRKR

CKT. NO.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	WIRING			LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	CKT. NO.
					AMP	POLE	LOCATION					
1	-	-	-	-				-	-	-	-	2
3	-	-	-	-				-	-	-	-	4
5	-	-	-	-				-	-	-	-	6
7	-	-	-	-				-	-	-	-	8
9	-	-	-	-				-	-	-	-	10
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

TOTAL CONNECTED LOAD (VA)=0
AØ=0 BØ=0 CØ=0

PANEL: LEASE SPACE #4 (FUTURE)
LOCATION: OUTSIDE RESTROOM
FEEDER SOURCE: UTILITY METER

VOLTAGE: 120/208V, 200A 3Ø, 4W
ENCLOSURE: NEW PANEL, RECESSED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER, 22000 AIC, W/ MAIN BRKR

CKT. NO.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	WIRING			LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	CKT. NO.
					AMP	POLE	LOCATION					
1	-	-	-	-				-	-	-	-	2
3	-	-	-	-				-	-	-	-	4
5	-	-	-	-				-	-	-	-	6
7	-	-	-	-				-	-	-	-	8
9	-	-	-	-				-	-	-	-	10
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

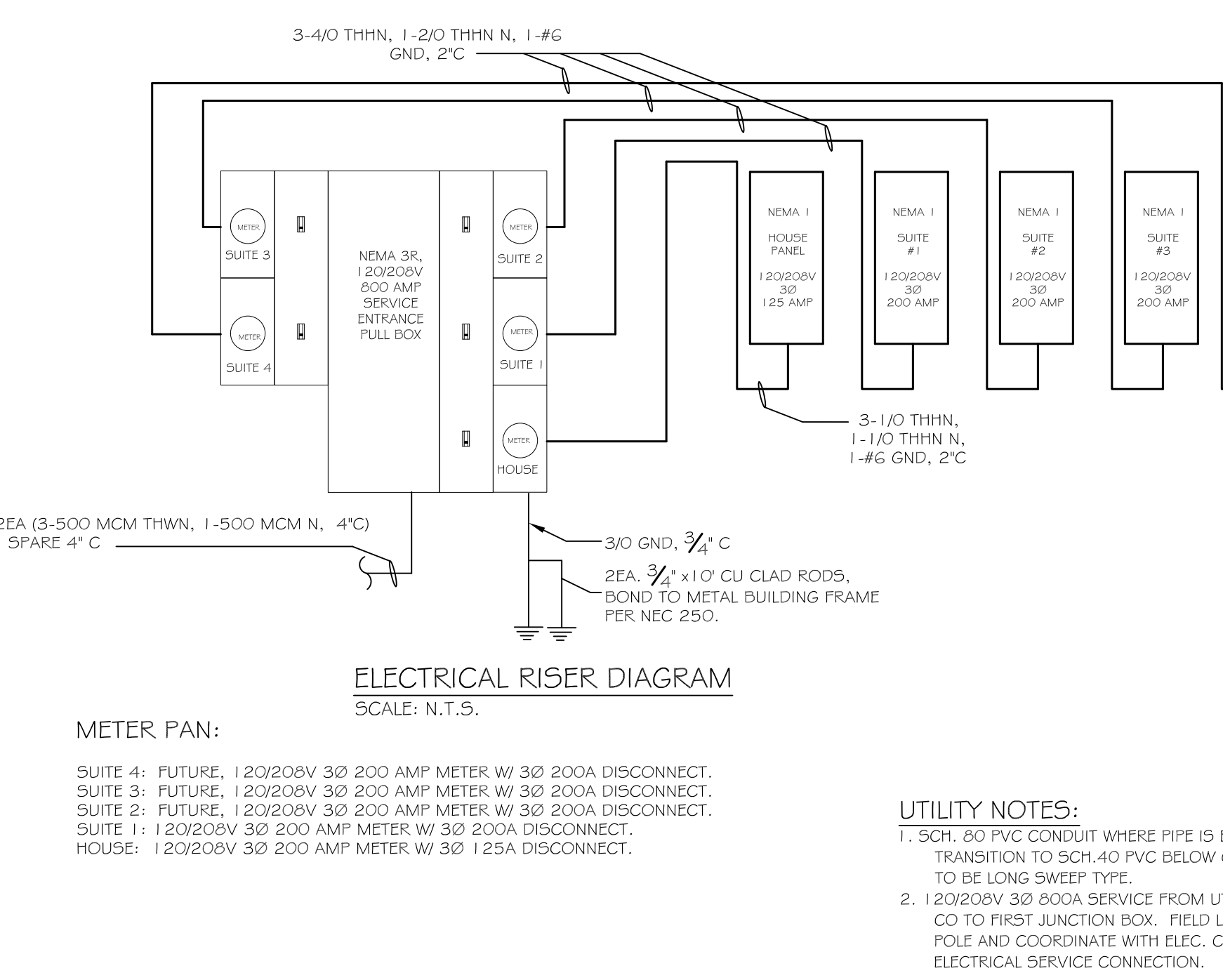
TOTAL CONNECTED LOAD (VA)=0
AØ=0 BØ=0 CØ=0

PANEL: HOUSE
LOCATION: IN CORRIDOR
FEEDER SOURCE: UTILITY METER

VOLTAGE: 120/208V, 125A 3Ø, 4W
ENCLOSURE: NEW PANEL, RECESSED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER, 22000 AIC, W/ MAIN BRKR

CKT. NO.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	WIRING			LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	CKT. NO.
					AMP	POLE	LOCATION					
1	#6	AHU-5 (2 TONS) & 7.5kW ELECTRIC HEAT	50	2	4878			160	1	SPRINKLER ROOM RECEPTACLE	#12	2
3	#6	SPARE	-	-	4878			-	1	SPARE	#12	4
5	#10	AC-5 COMPRESSOR (2 TON)	25	2	1466			640	1	LOBBY 1 & LOBBY 2 RECEPTACLES	#12	6
7	#10	SPARE	-	-	1466			800	1	LOBBY 1 & LOBBY 2 WALL-MOUNTED LIGHTS	#12	8
9	#12	PARKING LOT STREET LIGHTS	20	1	600			400	1	LOBBY 1 & LOBBY 2 EXIT AND EMERGENCY LIGHTS	#12	10
11	#12	EXTERIOR PORCH AND WALL MOUNTED LIGHTS	20	1	1800			1800	1	EXTERIOR PORCH AND WALL MOUNTED LIGHTS	#12	12
13	#12	LOBBY 1, LOBBY 2, & CORRIDOR 102 FLUORESCENT LIGHTS	20	1	1400			400	1	MONUMENTAL SIGN DIRECTIONAL LIGHTS	#12	14
15	#6	LIFT STATION GRINDER, PUMP JUNCTION BOX	30	2	3120			-	1	SPARE	#12	16
17	#6	SPARE	-	-	3120			160	1	WEATHERPROOF GFI RECEPTACLE AT OUTDOOR A/C UNITS	#12	18
19	#12	SPARE	20	1	-			-	1	SPARE	#12	20
21	#12	SPARE	20	1	-			-	1	SPARE	#12	22
23	#12	SPARE	20	1	-			-	1	SPARE	#12	24
25	#12	SPARE	20	1	-			-	1	SPARE	#12	26
27	#12	SPARE	20	1	-			-	1	SPARE	#12	28
29	#12	SPARE	20	1	-			-	1	SPARE	#12	30
31	#12	SPARE	20	1	-			-	1	SPARE	#12	32
33	#12	SPARE	20	1	-			-	1	SPARE	#12	34
35	#12	SPARE	20	1	-			-	1	SPARE	#12	36
37	-	SPACE	-	1	-			-	1	SPACE	-	38
39	-	SPACE	-	1	-			-	1	SPACE	-	40
41	-	SPACE	-	1	-			-	1	SPACE	-	42

TOTAL CONNECTED LOAD (VA)=27,088
AØ=9,104 BØ=9,098 CØ=8,886



ELECTRICAL NOTES

- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED, TO CONFORM TO THE LATEST EDITION OF THE N.E.C.
- ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
- THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
- PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
- ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
- WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
- ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
- ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
- PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
- ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
- MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE NON-METALLIC CABLE (NMC) CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS IN WOOD FRAME CONSTRUCTION AREAS ONLY. IN STEEL FRAMING AREAS THE USE OF EMT (MINIMUM) IS REQUIRED; EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE STAMPED BOXES WITH WEATHERPROOF COVERS WHERE EXPOSED ON WALLS IN THE APPARATUS BAY. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES.
- CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
- INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
- BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-71 & 250-72.
- GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
- FUSES SHALL BE ITC CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
- PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
- EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ADJUTING PROPERTY LINE.
- ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
- VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

CLECO Power LLC - Electrical Load Summary

Project Name: Dr. Farhad Aduli's Commercial Building
Project Address: Lot 288 Mangold Drive
City / Town: Covington, Louisiana

Intended Use: Retail Center
Requested Service: 120/208 Volts 3Ø Phase 4 Wires
Service Entrance Size: 1000 Amps
HVAC Tonnage: 38.00 Tons (20 Ton Current + 18 Future)
Largest Motor: N/A HP (Note: Motors above 20 hp may require reduced Voltage starting and are never recommended for use with 120/240V, 3Ø, 4W services.)

Total Building Square Footage: 8,000 Square Feet
Individual Unit Square Footage: N/A Square Feet (Multiple Occupancy)
Individual Unit Designation: N/A (Multiple Occupancy)

LOAD SOURCE	1Ø - kVA	3Ø - kVA	or	1Ø - kW	3Ø - kW
Building Lighting	16500	-	or	-	-
Electric Water Heating	4800	-	or	-	-
Heat Pumps	-	-	or	-	-