EQUIPMENT NOTES:

1. EQUIPMENT LAYOUT, ELECTRICAL AND MECHANICAL DETAILS ARE BASED ON THE INFORMATION PROVIDED BY THE OWNER. CONTRACTOR TO COORDINATE ANY CORRESPONDING CHANGES TO EQUIPMENT SELECTION, LAYOUT, MECHANICAL, AND ELECTRICAL REQUIREMENTS WITH THE OWNER.
2. CONTRACTOR TO COORDINATE EQUIPMENT REQUIREMENTS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DISCIPLINES.
3. SMOKE DETECTORS SHALL NOT BE INSTALLED CLOSER THAN 1'-0" TO A LIGHT FIXTURE OR WITHIN 3'-0" FROM A HVAC AHU/FCU AIR SUPPLY DIFFUSER.
4. MECHANICAL EXHAUST FAN SUPPLIED BY MECHANICAL CONTRACTOR.
5. PROVIDE 3/4" EMT AT ALL DATA JACKS TO ROOF OR CEILING ABOVE.

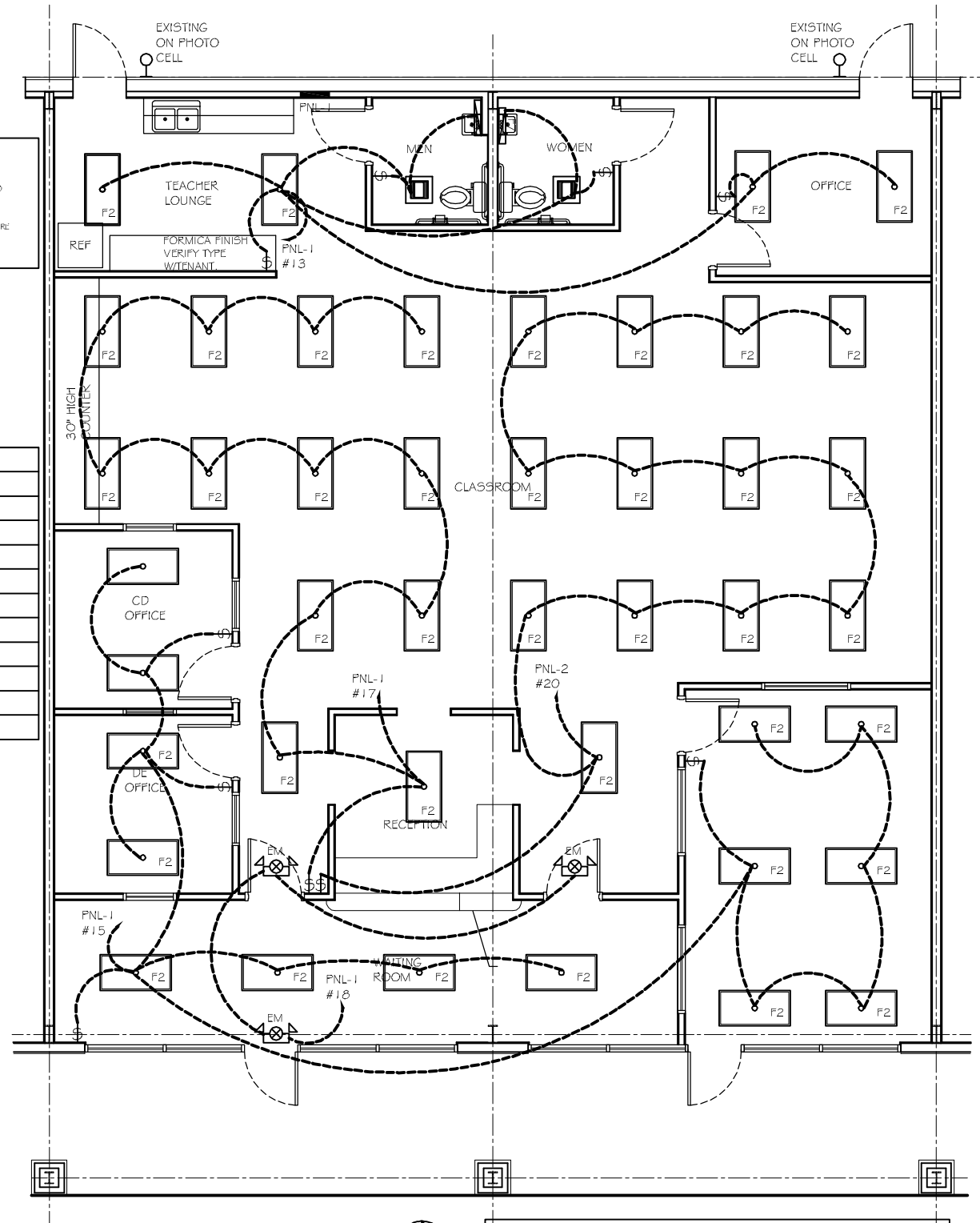
LEGEND

- VENT / LIGHT COMBINATION
- 2x4 RECESSED FLUORESCENT 4-T8 32W FLUORESCENT 120V
- WALL MTD. EMER./EXIT LIGHT W/ 90 MIN. BATT. BACKUP
- LIGHT ABOVE SINK

POWER PLAN LEGEND

SYM.	DESCRIPTION	COMMENTS
	STANDARD 120V DUPLEX RECEPTACLE (@ 1'-6" AFF (UNLESS NOTED)	
	DEDICATED RECEPTACLE SEE PANEL SCHEDULE FOR CIRCUIT SIZE	
GFI	GFI RECEPTACLE	ALL OUTLETS WITHIN 48"OF A WATER SOURCE SHALL BE GFI
WP	WEATHER PROOF 120V DUPLEX RECEPT. (@ 3'-0" AFF (UNLESS NOTED)	
	RECEPTACLE (@ 6" ABOVE COUNTER	
	QUAD CAT.5 JACK WITH FACEPLATE NETWORKING CONNECTION	
	POWER DISCONNECT	
	ELECTRIC WATER HEATER SIZE AS NOTED	
	AIR CONDITIONING COND. UNIT SEE MECH SHEETS FOR UNIT DETAILS	

NOTES:
1. CONNECT ALL EMERGENCY / EXIT LIGHT FIXTURES TO NEAREST DESIGNATED POWER SOURCE.

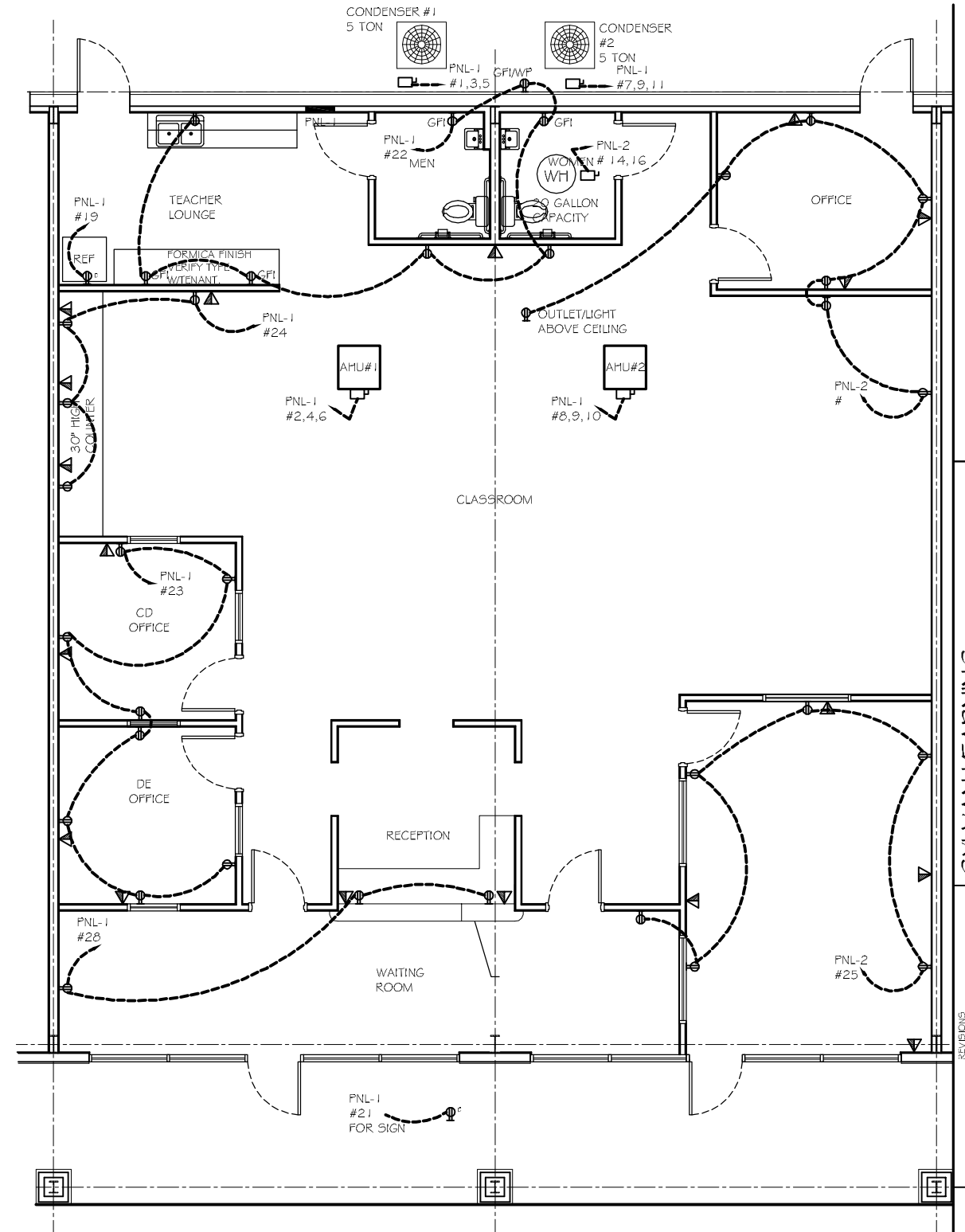


LIGHTING PLAN

SCALE: 1/4" = 1'-0"

ELECTRICAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENT OR OTHER JURISDICTIONAL OBTAIN CERTIFICATES OF APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. 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.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
9. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED CEILINGS, 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.
10. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
11. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
12. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE ¾" EMT FOR INTERIOR USE, AND ¾" RIGID ALUMINUM FOR EXTERIOR USE. USE TYPE MC CABLE CONNECTION FOR LIGHTS AND RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BODIES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BODIES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES. WHERE LAY IN FIXTURES ARE IN USE, USE 1 IN 2 ALLOWED FOR 6 WIDTH.
13. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
14. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
15. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70-250-63, NFPA 250-23, 250-71 & 250-72.
16. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70-250-236.
17. FUSES SHALL BE RT CLASS RK, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
18. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
19. 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 ABUTTING PROPERTY LINE.
20. 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.



POWER PLAN

SCALE: 1/4" = 1'-0"

PANEL: PNL-1
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: CLECO

VOLTAGE: 120/208V, 150A 3Ø, 4W
ENCLOSURE: WALL MOUNTED W/EQUIPMENT GND BAR
SQUARE D TYPE QO LOAD CENTER, 22000 AIC, W/ MAIN BRKR

CKT. NO.	TWIN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	TWIN WIRE SIZE	CKT. NO.
1					2120		3260					2
3	#8	A/C #1 5 TON CONDENSOR UNIT	40	3	2120		3260	3	60	A/C #1 AHU 15KW ELECTRIC HEAT	#8	4
5					2120		3260					6
7					2120		3260					8
9	#8	A/C #2 5 TON CONDENSOR UNIT	40	3	2120		3260	3	60	A/C #2 AHU 15KW ELECTRIC HEAT	#8	10
11					2120		3260					12
13	#12	LOUNGE/BATH/OFFICE LIGHTING	20	1	1400		4000	2	30	WATER HEATER 20 GAL	#10	14
15	#12	OFFICE/WAITING/SEMINAR LTG	20	1	2800		4000					16
17	#12	SUITE 4 LIGHTING	20	1	2400		3100	1	600	EXIT/EMERGENCY LIGHTING	#12	18
19	#12	REFRIGERATOR	20	1	180		2800	1	20	SUITE 3 LIGHTING	#12	20
21	#12	SIGN OUTLET	20	1	180		1280	1	20	LOUNGE/BATHROOMS OUTLETS	#12	22
23	#12	SUITE 3/ OFFICE OUTLETS	20	1	1120		640	1	20	COMPUTER OUTLETS	#12	24
25	#12	SEMINAR OUTLETS	20	1	960		1280	1	20	OFFICE OUTLETS	#12	26
27	#12	SPARE	20	1	–		480	1	20	WAITING/RECEPTION OUTLETS	#12	28
29	–	BLANK	–	–	–		–	–	–	BLANK	–	30

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
A=21380 | B=19000 | C=19320

GROUND BUS
GROUND WIRE (G)

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SYLVAN LEARNING

TYLER SQUARE
5-24-635 TYLER STREET SUITE #3 & #4
SLIDELL, LA

JOB No:	2153	DATE:	10-11-12
DRAWN BY:	BSN	CHECKED BY:	BSN

#	DESCRIPTION	DATE
	REVISIONS	

LIGHTING & POWER PLAN

SHEET No: 4 OF 4

E-1