



EL ELECTRICAL PLAN

QTY	MANUF.	PART NO.	EQUIPMENT LIST
① (1)	SIEMENS	G1224B110CU	100 AMP 12 SPACE 1 PHASE LOAD CENTER
② (1)	LITHONIA	3GUBS	INTERIOR LIGHT FIXTURE
③ (2)	EAGLE	CR20W	20A 125V RECEPTACLES
④ (2)	EAGLE	CS120W	20A 120V SWITCHES
⑤ (1)	EAGLE	1876-W	20A 250V BIPOLAR RECEPTACLES
⑥ (1)	RAB	VXBRT100DG	EXTERIOR LIGHT FIXTURE
⑦ (1)	FRIGIDAIRE	4CE78	BTU 10,000/9800 AC/HEAT UNIT

- GENERAL ELECTRICAL NOTES:
1. ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND SHALL ALSO COMPLY WITH APPLICABLE RULES AND REGULATIONS OF LOCAL AND STATE LAWS AND ORDINANCES.
  2. CIRCUITS 600V OR LESS SHALL USE COPPER CONDUCTORS ONLY: #10 AWG AND SMALLER SHALL BE SOLID, AND #8 AWG THRU #2 SHALL BE STRANDED WITH TYPE THHN/THWN 75-C INSULATION
  3. ROUTE CONDUITS TO SUIT EQUIPMENT AND BUILDING STRUCTURE. CONDUITS TO BE GALVANIZED EMT. FLEXIBLE CONDUIT MAY BE USED BETWEEN JUNCTION BOXES TO CONNECT MODULES TOGETHER. SURFACE MOUNT AND SUPPORT PER NEC.
  4. SEAL CONDUIT PENETRATIONS THRU WALLS WITH GROUT OR CAULK. USE A METHOD OF SEALING THAT IS UL APPROVED.
  5. ALL INTERIOR ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. ALL METALLIC RACEWAYS SHALL BE MECHANICALLY AND ELECTRICALLY SECURE AT ALL BOXES, CABINETS, FITTINGS AND EQUIPMENT.
  6. COLOR CODE ALL CONDUCTORS AS REQUIRED BY THE NEC.
  7. ALL RACEWAYS WITH #10 OR #12 AWG PHASE CONDUCTORS SHALL BE PROVIDED WITH A PARITY SIZED GREEN EQUIPMENT GROUND CONDUCTOR. GROUND CONDUCTOR SHALL BE INSTALLED IN ENTIRE RACEWAY SYSTEM AND SHALL BE CONNECTED TO GROUND BUS IN PANELBOARD.

CKT #	DESCRIPTION	WIRE SIZE	AMP	WIRE SIZE	DESCRIPTION	CKT #
1	ACU	12	20(2P)	20	12	ATM RECEP. 2
3	ACU	12	20(2P)	20	12	RIGHT RECEP. 4
5	INT. LIGHT	12	20	20	12	SPARE 6
7	EXT. LIGHT	12	20	20	12	SPARE 8
9	SPACE					SPACE 10
11	SPACE					SPACE 12

MINIMUM A.I.C. RATING OF CIRCUIT BREAKERS SHALL BE 10,000 @ 240V

AC PANEL SCHEDULE  
100 AMP 120/240VAC 12 SPACE 1Ø MAIN BREAKER

