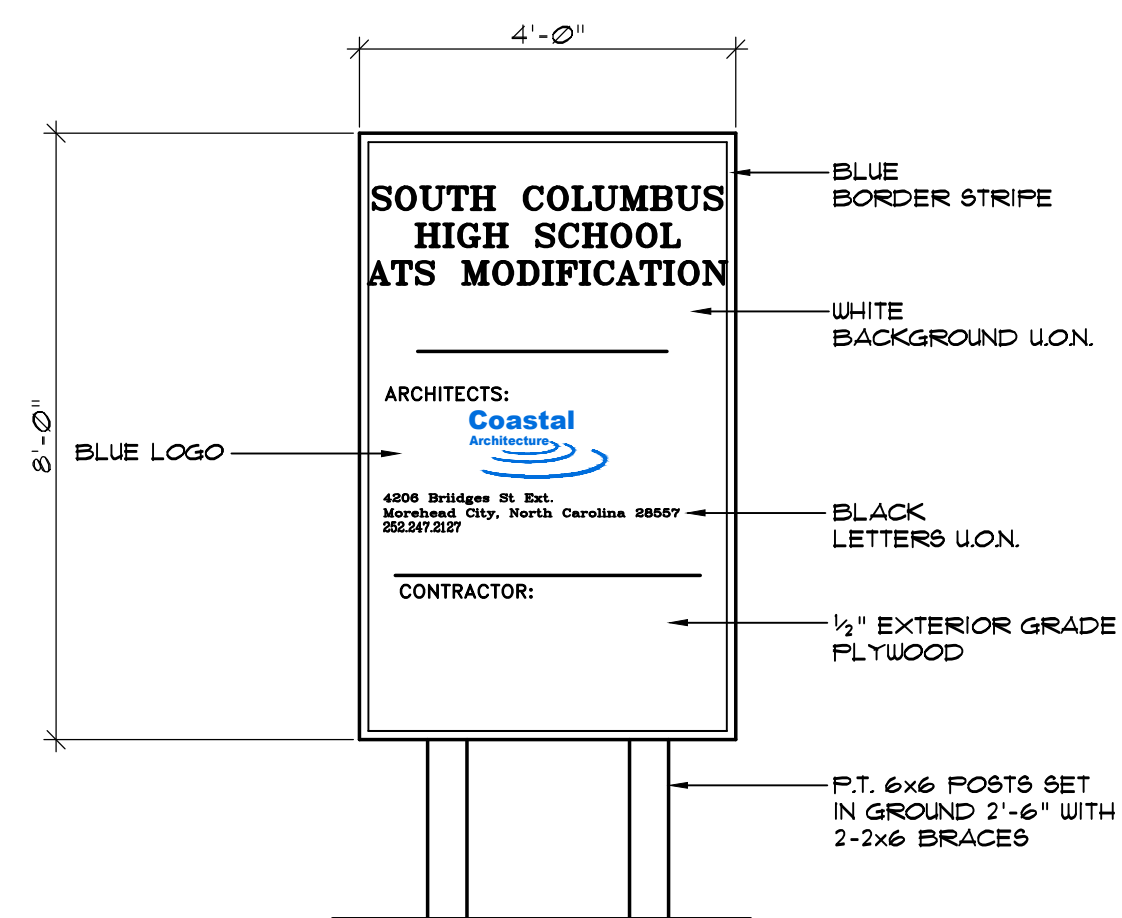


SOUTH COLUMBUS HIGH SCHOOL ATS MODIFICATION 40 STALLION DR. TABOR CITY, NORTH CAROLINA

SOUTH COLUMBUS HIGH SCHOOL
ATS MODIFICATIONS
TABOR CITY, NORTH CAROLINA



PROJECT SIGN
CS-1 NOT TO SCALE

NOTE: SUBMIT SHOP DRAWING FOR COORDINATION OF LETTER HEIGHTS SPECIFIC SIGN COLORS.

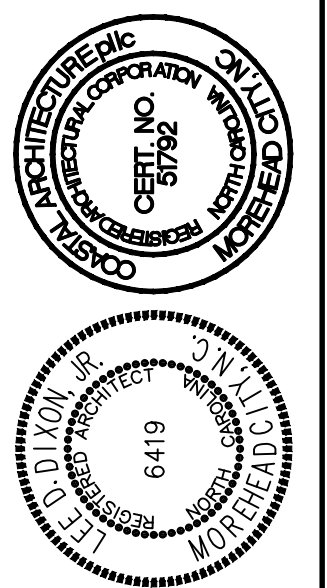
DRAWING LIST

CS-1	COVER SHEET
M1.0	HVAC SPECS, SCHEDS, LEGEND AND DETAILS
M2.1	HVAC PLAN - SIDE A
M2.2	HVAC PLAN - SIDE B
E1	ELECTRICAL SPECS AND DETAILS
E2.1	ELECTRICAL - PLAN A
E2.2	ELECTRICAL - PLAN B
E3	ELECTRICAL PANELS AND RIGERS



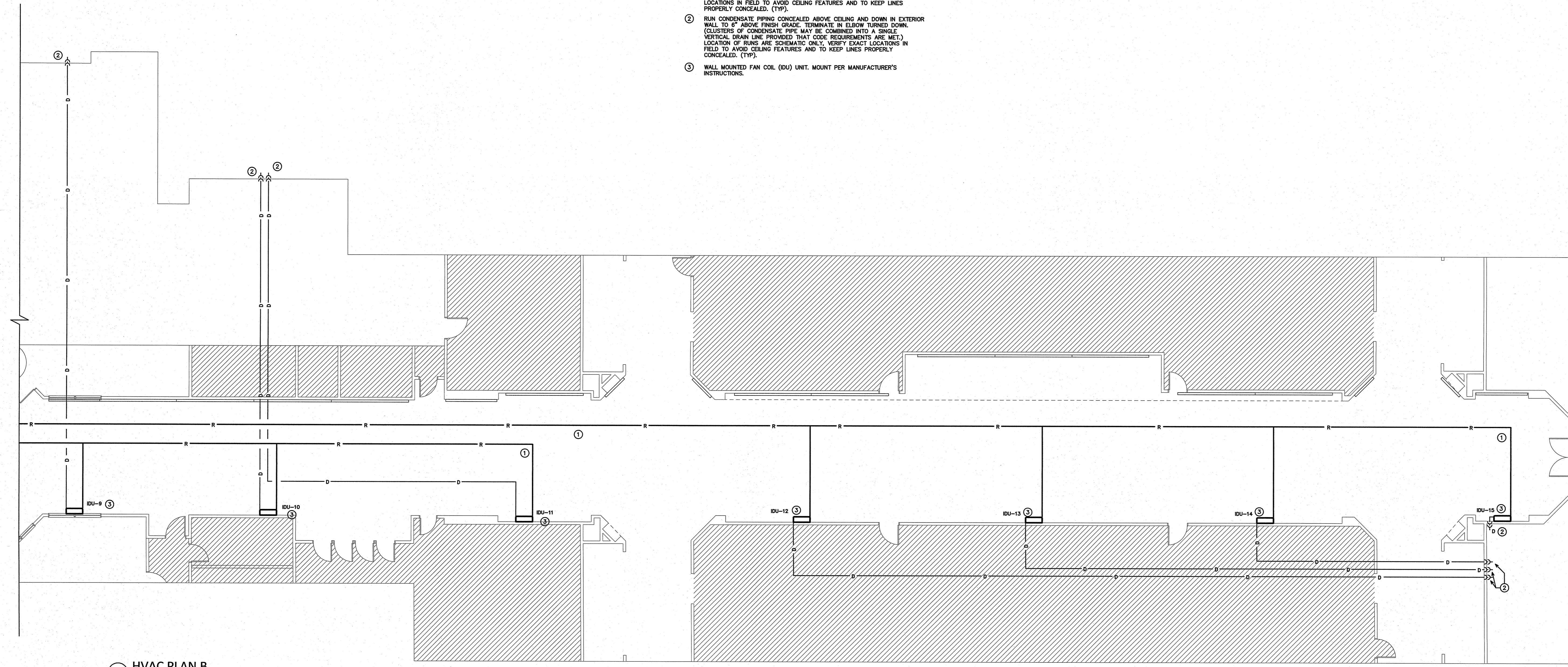
Coastal Architecture, Plans, Specifications and Other Documents

The Drawings, Specifications and other documents prepared by Coastal Architecture, the Designer, for this project are instruments of service for use solely with respect to this project and, unless otherwise provided, the Designer shall be deemed the author of these documents and shall retain all common law, statutory and other reserved rights, including copyright protection. The Owner shall be permitted to retain copies of the Designer's drawings, Specifications, and other documents for information and reference in connection with the Owner's use and occupancy of this project. No portions in part or in whole of the Drawings, Specifications and other documents shall be duplicated or used by the Owner or others for additions to this Project, completion of this Project by others, or on other Projects without written consent by the Designer.



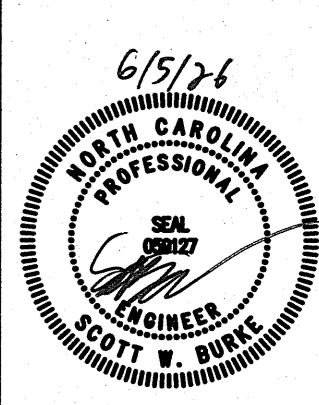
COVER SHEET
25023
ISSUED: 06/05/2026
DWG BY: MSG
CKD BY: LDD
REVISIONS
SHEET NO. CS-1 OF

- KEY NOTES FOR 1/M2.2:
- ① RUN REFRIGERANT PIPING CONCEALED ABOVE CEILING THROUGH STRUCTURAL FRAMING. RUN PIPING AS STRAIGHT AS POSSIBLE FROM IDU TO VEH. LOCATION OF RUNS ARE SCHEMATIC ONLY. VERIFY EXACT LOCATIONS IN FIELD TO AVOID CEILING FEATURES AND TO KEEP LINES PROPERLY CONCEALED. (TYP.)
 - ② RUN CONDENSATE PIPING CONCEALED ABOVE CEILING AND DOWN IN EXTERIOR WALL TO 6" ABOVE FINISH GRADE. TERMINATE IN ELBOW TURNED DOWN. (CLUSTERS OF CONDENSATE PIPE MAY BE COMBINED INTO A SINGLE. VERTICAL DRAIN LINE PROVIDED THAT CODE REQUIREMENTS ARE MET.) LOCATION OF RUNS ARE SCHEMATIC ONLY. VERIFY EXACT LOCATIONS IN FIELD TO AVOID CEILING FEATURES AND TO KEEP LINES PROPERLY CONCEALED. (TYP.)
 - ③ WALL MOUNTED FAN COIL (IDU) UNIT. MOUNT PER MANUFACTURER'S INSTRUCTIONS.



① HVAC PLAN B
SCALE: 1/8" = 1'-0"

SOUTH COLUMBUS HIGH SCHOOL
ATS MODIFICATION
 40 STALLION DR., TABOR CITY
 NORTH CAROLINA, 28463



HVAC PLAN - SIDE B

ISSUED: 06/05/2026
 DWG BY: MRH
 CKD BY: BEB

NO.	DESCRIPTION

SHEET NO.
M2.2

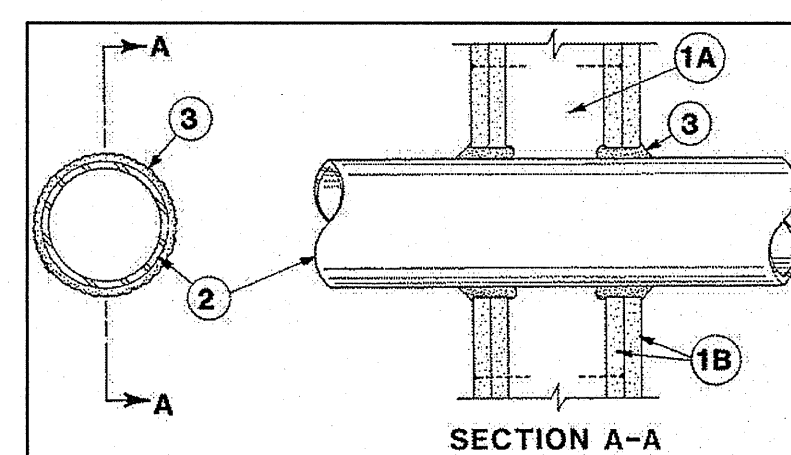
System No. W-L-1001

F Rating — 1, 2, 3 and 4 Hr (See Items 2 and 3)

T Rating — 0, 1, 2, 3, and 4 Hr (See Item 3)

L Rating At Ambient — less than 1 CFM/sq ft

L Rating At 400 F — less than 1 CFM/sq ft



1. **Wall Assembly** — The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.

B. **Gypsum Board** — Nom 1/2 or 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max dim of opening is 26 in.

2. **Through-Penetrant** — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit, or tubing and periphery of opening shall be min of 0 in. (point contact) to max 2 in. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe** — Nom 24 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe** — Nom 24 in. diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.

C. **Conduit** — Nom 6 in. diam (or smaller) steel conduit or nom 4 in. diam (or smaller) steel electrical metallic tubing.

D. **Copper Tubing** — Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.

E. **Copper Pipe** — Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.

F. **Through Penetrating Products** — Flexible Metal Piping — The following types of steel flexible metal gas piping may be used:

1. Nom 2 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

OMEGA FLEX INC

2. Nom 1 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

GASTITE, DIV OF TITELIX

3. Nom 1 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

WARD MFO LLC

3. **Fill, Void or Empty Materials** — **Caulk or Sealant** — Min 5/8, 1-1/4, 1-7/8 and 2-1/2 in. thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. diam bead of caulk applied to gypsum board/panel interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Max Pipe or Conduit Diam in	F RATING Hr	T RATING Hr
1	1 or 2	0A, 1 or 2
1	3 or 4	3 or 4
4	1 or 2	0
6	3 or 4	0
12	1 or 2	0

+When copper pipe is used, T Rating is 0 hr.

3M COMPANY — CP 25WB+ or FB-3000 WT.

*Bearing the UL Classification Mark

DIVISION 16 — ELECTRICAL

PART 1 — GENERAL

1.1 DESCRIPTION OF THE WORK

- A. Work under this section includes, but is not necessarily limited to, furnishing and installing the following:
 1. Electrical service and service equipment.
 2. Lighting and power distribution system.
 3. Provide lighting fixtures selected by owner with lamps to match.
 4. Wiring devices, boxes, cover plates, etc.
 5. Source of power for all items of equipment.
 6. Grounding.
 7. Other requirements and/or systems where shown.

- B. All work shall be complete and items, equipment, etc., shall be electrically connected for proper and correct operation.

- C. All work under this contract shall be installed in accordance with the latest edition of the following codes and standards insofar as they apply:
 1. The 2020 National Electrical Code.
 2. The National Electrical Safety Code.
 3. Underwriter's Laboratories, Inc., Standards and approved listings.
 4. Electrical Testing Laboratories standards.
 5. North Carolina Building Code, Latest Edition and Revisions.
 6. All local codes and ordinances.

- D. The Electrical Contractor shall be licensed in the State of North Carolina and have all local licenses required for the work.

- E. Obtain all permits, licenses, inspections, etc., required for the work and pay for the same. Furnish final certificate of inspection and approval from the electrical inspector having jurisdiction prior to acceptance of the work.

- F. All work shall be done by skilled mechanics and shall include a neat, trim, workmanlike condition when complete.

- G. The intent of these specifications and the accompanying drawings is to convey as reasonably as possible the requirements for a complete job ready for the building to operate. The Electrical Contractor shall take this into consideration and include in his bid allowance for contingencies as will allow him to provide minor pieces of equipment and labor not specifically indicated but required for the job to operate properly, at no additional cost to the Owner.

- H. Locations shown are approximate. The drawings do not give exact details as to elevations and locations of various pipes, fittings, ducts, conduit, etc., and do not show all offsets and other installation details which may be required. Coordinate all locations with architect before any rough-in.

- I. Shop drawings shall be submitted for panels and service equipment, lighting, wiring devices, and cover plates. These may consist of the manufacturer's standard catalog or brochures and shall have the exact items being offered clearly identified.

- J. Boxes installed in concealed locations shall be set flush with the finished surfaces.

- K. Provide rated boxes in all fire barriers & walls installed per code.

- L. Conductors shall be color coded, sizes #8 and larger may be color taped on the job. Color coding shall be Standard Practices.

- M. Conductors shall be manufactured by Dodge, Southwire or approved equal. Conductors shall meet the latest requirements of NEMA and IPCEA and shall be UL approved.

- N. Metallic sheathed "MC" cable may be used where allowed by N.E.C.

- O. Conductors shall be spliced and taped as follows:
 1. Size #10 and #12, use Ideal "Wing Nuts" or TAB "Piggy" connectors. Connectors shall be rated for 150 degrees C for use in recessed lighting fixtures.
 2. Size #8 and larger shall be solderless screw and screw-clamping type, smoothly covered and shaped with rubber gum type with fine cover vinyl plastic electrical tape. In lieu of rubber gum and vinyl plastic type, factory fabricated approved preformed insulating covers may be used. All connectors shall be UL approved.
 3. No split-bolt type connectors may be used.

- P. All branch wire and connections shall be copper and sized per National Electric Code.

- Q. All conductors shall be continuous without splices between junction, outlet, device boxes, etc. No splicing will be permitted in panelboard cabinets, safety switches, etc.

- R. All wiring in mechanical spaces shall be plenum rated.

- S. Provide GFI protection within 6'-0" of any sink.

- T. All multi-wire branch circuits shall comply with 2020 NEC, 210.4(B).

- U. All wiring of medical facilities shall comply with 2020 NEC, 517.1.

- V. Panelboards, safety switches

- A. Panelboards shall comply with NEMA Standard PB 1 — Latest Edition and as manufactured by Square D or ITE-Siemens.

- B. The contractor shall be responsible for correctly phasing the circuits in the panelboards.

- C. Safety switches shall be general duty type, size and rating as required for load service. Safety switches shall be fused or unfused as shown and/or as required. Safety switches serving motor loads shall be horsepower rated for load served.

- D. NOT USED

- E. NOT USED

- F. NOT USED

- G. NOT USED

- H. NOT USED

- I. NOT USED

- J. NOT USED

- K. NOT USED

- L. NOT USED

- M. NOT USED

- N. NOT USED

- O. NOT USED

- P. NOT USED

- Q. NOT USED

- R. NOT USED

- S. NOT USED

- T. NOT USED

- U. NOT USED

- V. NOT USED

- W. NOT USED

- X. NOT USED

- Y. NOT USED

- Z. NOT USED

2.8 CONDUIT

- A. PVC conduit will be allowed where N.E.C. approved.
- B. All service conduit shall be rigid where exposed below 6'-0" AFF or exposed to the elements or hazardous conditions.

PART 3 — EXECUTION

3.1 CIRCUIT GROUNDING

- A. All circuits shall contain an insulated, green, copper grounding conductor, sized in accordance with Table 250-95 of the NEC. Grounding conductors shall be connected to equipment grounding bus in panelboard and securely attached and grounded to the device or enclosure at the other end.

3.2 GROUNDING TYPE CONVENIENCE OUTLETS AND SWITCHES

- A. Outlets and switches shall be solidly grounded to equipment grounding system with a green colored insulated conductor. Electrical connections shall be continuous from equipment ground bus in panelboard to the nut on the convenience outlet or switch.

3.3 MOTORS

- A. All motors shall be connected to conduit system with short length (minimum length 24" and maximum length 36") of flexible liquidtight conduit.

3.4 NOT USED

3.5 EQUIPMENT LABELING

- A. Provide permanent name plates for all panelboards, safety switches, wiring troughs, etc., for identification of equipment controlled, services, etc. Nameplates shall be securely and permanently attached to equipment with stainless steel screws. Nameplates shall include the name of the equipment and where it is fed from.

- B. All switch plates, receptacle plates and outlet covers shall be labeled with machine printed vinyl labels identifying the circuit(s) within.

- C. All empty conduit runs shall be identified and indicated where they terminate.

- D. Provide type-wire directory in each panelboard to clearly identify each circuit, service, etc.

3.6 NOT USED

3.7 NOT USED

- A. Boxes shall be installed where necessary to avoid excessive runs and/or too many bends between outlets.

3.8 PULL WIRE

- A. Leave pull wire in each empty conduit run.

3.10 NOT USED

3.11 GROUNDING

- A. All grounding shall be in accordance with Article 250 of the NEC. In addition, the following requirements shall be met:
 1. Grounding conductors shall be installed as to permit the shortest and most direct path from equipment to ground. All connections to grounding conductors shall be accessible.
 2. Equipment ground continuity shall be maintained through flexible metal conduit.
 3. All wiring devices equipped with grounding connection shall be solidly grounded to ground system with grounding conductors.
 4. The frame of all lighting fixtures shall be securely grounded to the equipment ground system with grounding conductors.
 5. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be effectively and adequately bonded to ground.
 6. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be effectively and adequately bonded to ground.

- B. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be effectively and adequately bonded to ground.

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GENERAL NOTES

- 1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES HAVING JURISDICTION.

- 2. ALL BRANCH CIRCUIT CONDUCTORS TO BE COPPER (SERVICE CONDUCTORS MAY BE ALUMINUM WITH SAME AMPACITY AS COPPER CONDUCTORS. RE-SIZE CONDUCTORS AND CONDUIT PER NEC.)

- 3. ALL CIRCUITS TO BE 2 #12, #12 AND IN 1/2" EMT CONDUIT AS A MINIMUM. PROVIDE WIRING FOR LARGER CIRCUITS AS REQUIRED BY NEC. RIGID CONDUIT IS REQUIRED WHERE EXPOSED BELOW 6'-0" A.F.F.

- 4. ALL EMPTY CONDUIT RUNS IN EXCESS OF 10 FEET SHALL BE PROVIDED WITH A PULL WIRE OR FISH TAPE/CORD.

- 5. CONTRACTOR SHALL VERIFY THAT ALL DOOR SWINGS ARE CORRECT BEFORE INSTALLING LIGHT SWITCH OUTLETS.

- 6. ALL BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL BE INCREASED TO THE NEXT LARGER SIZE WHERE THE LENGTH OF THE HOME RUN EXCEEDS 120 FEET ON 120V AND 208V CIRCUITS.

- 7. THE CORRECT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS. ONLY THOSE WHERE CLARIFICATION IS NECESSARY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER INDICATED ON DRAWINGS OR NOT.

- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANELBOARDS.

- 9. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE TYPE OF CEILING SYSTEM WITH THE GENERAL CONTRACTOR TO INSURE THAT ALL LIGHTING FIXTURES ARE COMPATIBLE WITH THE CEILING SYSTEM BEING INSTALLED. LIGHTING FIXTURES SHOULD NOT BE ORDERED UNTIL TYPE OF CEILING HAS BEEN VERIFIED.

NOTE:
PROVIDE LABELING ON EACH SWITCH NOTING CIRCUIT SERVED.

AUTOMATIC LIGHTING SHUTOFF IS NOT SHOWN IN THE EGRESS PATH LIGHTING AS ALLOWED FOR 405.2.1-3 EXCEPTION #3, WHERE AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY.

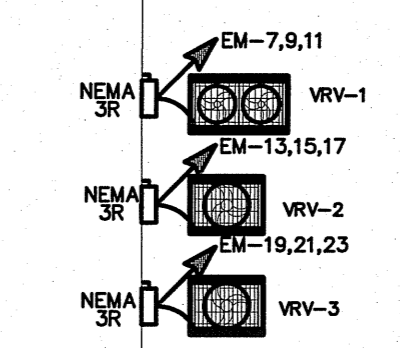
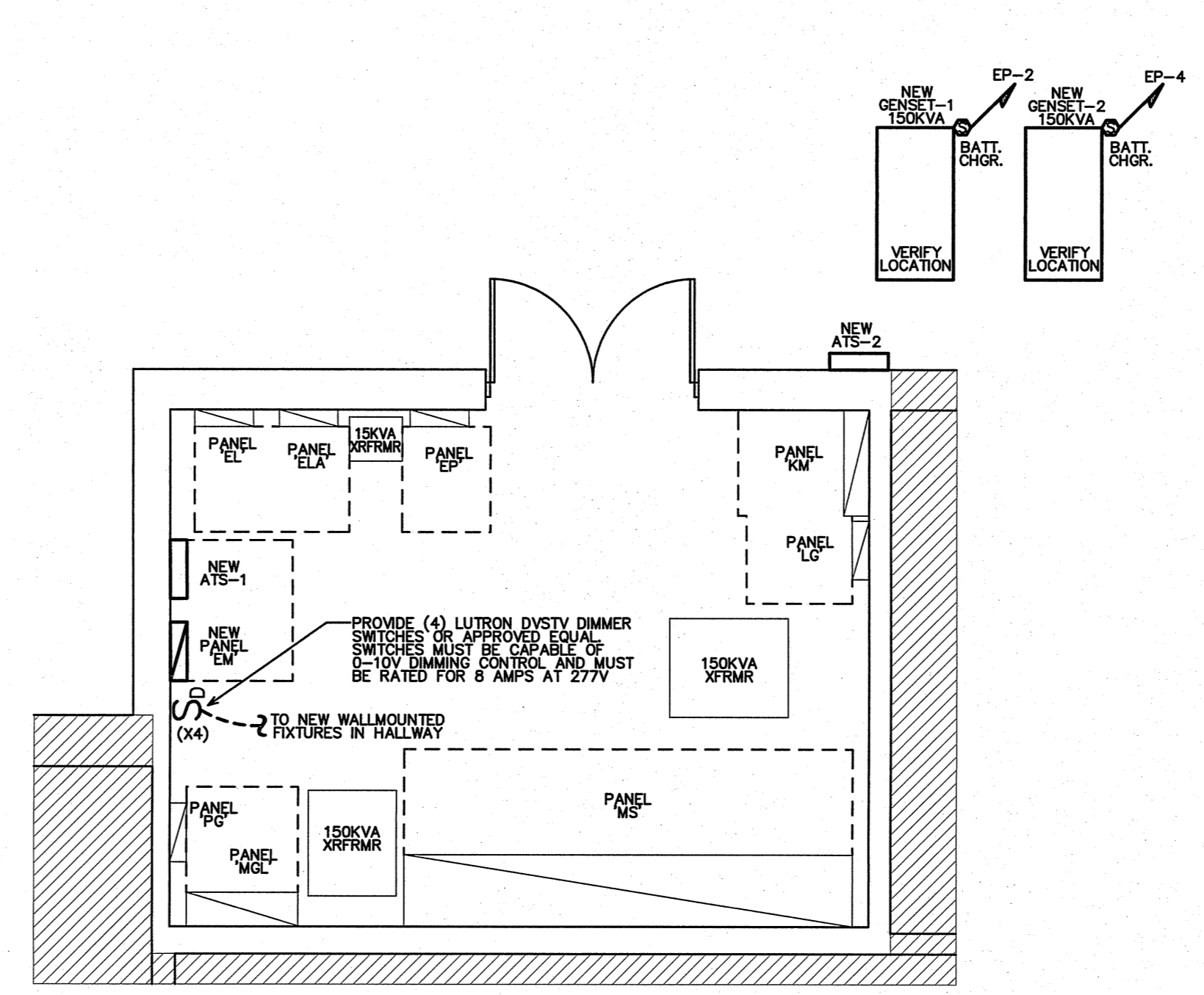
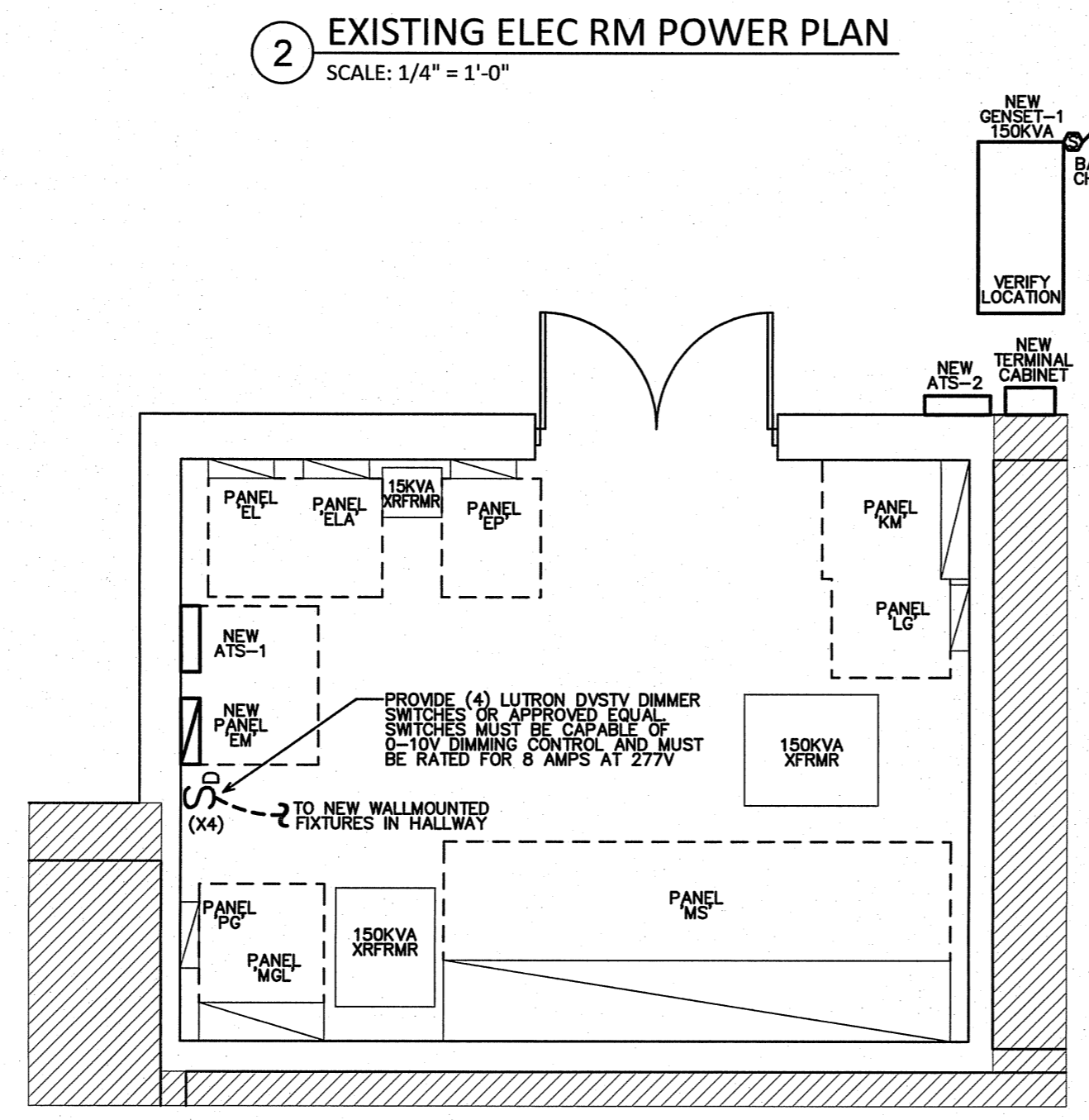
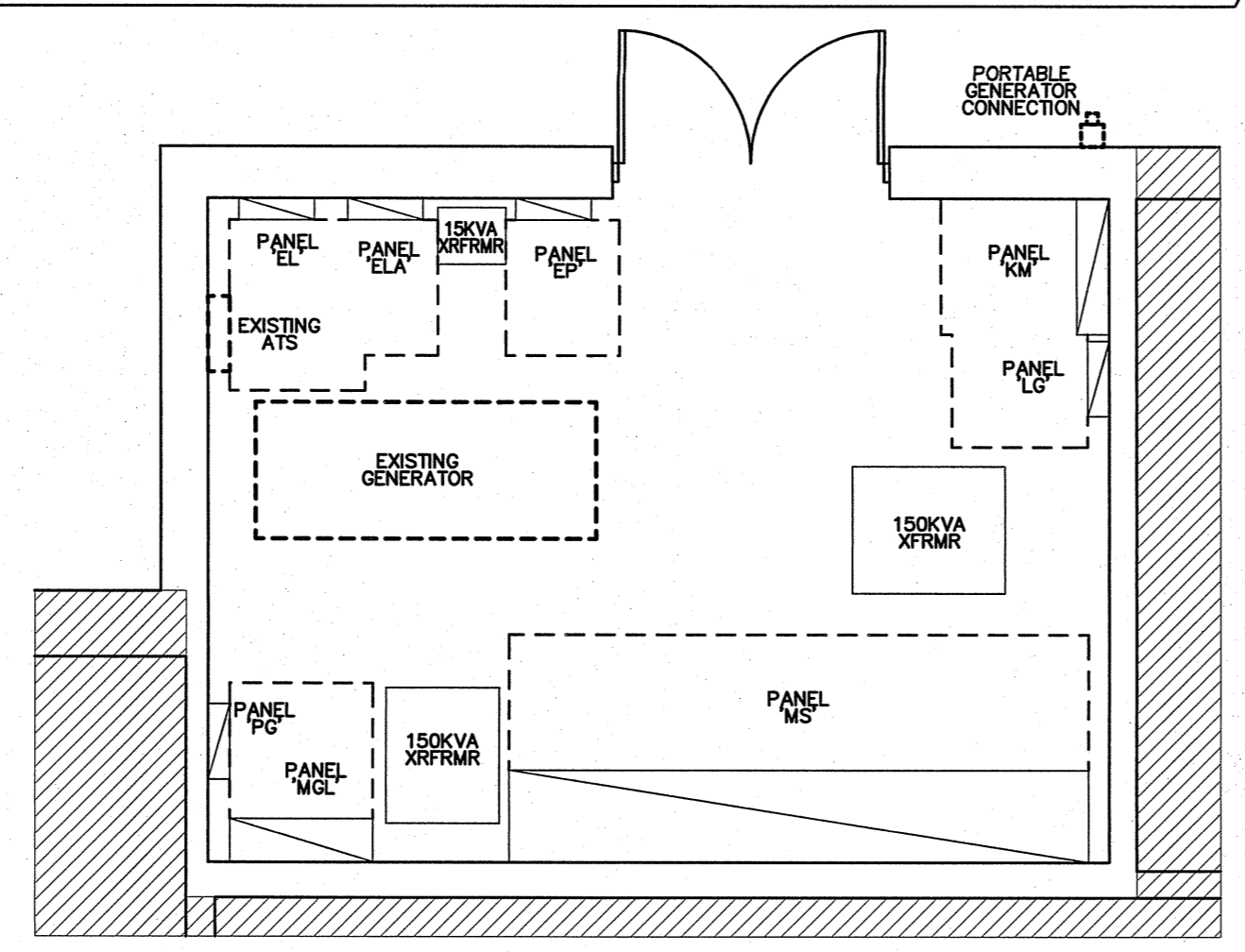
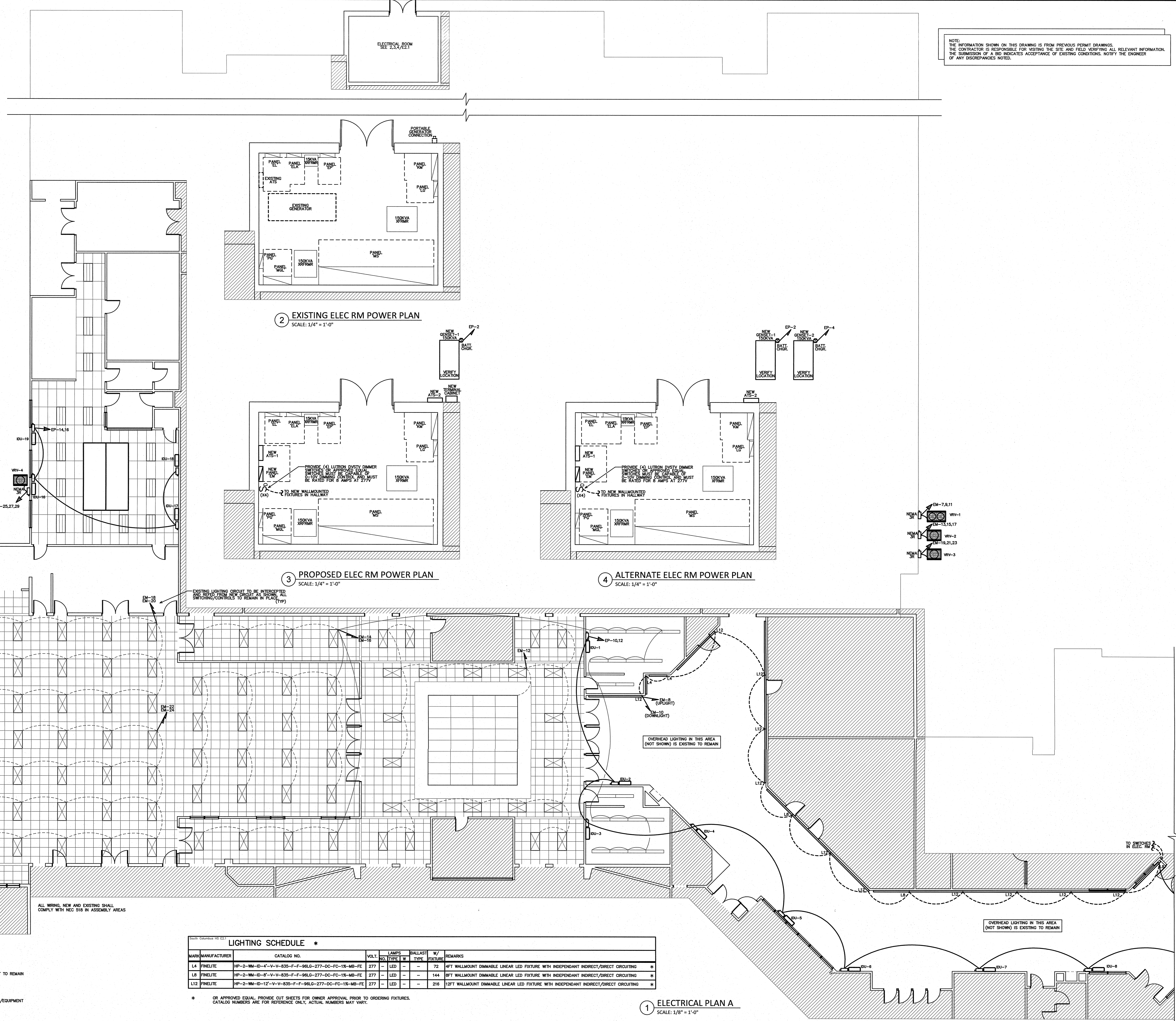
THE ALL EXIT AND EMERGENCY LIGHTS TO NEAREST AVAILABLE UNINTERRUPTED LIGHTING CIRCUIT IN THE AREA SERVED.

VERIFY HEIGHT/LOCATION OF ALL SWITCHES AND DEVICES PRIOR TO INSTALLATION.

NOTE:
PROVIDE LABELING ON EACH RECEPTACLE NOTING CIRCUIT SERVED.

VERIFY HEIGHT/LOCATION OF ALL DEVICES PRIOR TO INSTALLATION.

NOTE:
THE INFORMATION SHOWN ON THIS DRAWING IS FROM PREVIOUS PERMIT DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND FIELD VERIFYING ALL RELEVANT INFORMATION. THE SUBMISSION OF A BID INDICATES ACCEPTANCE OF EXISTING CONDITIONS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES NOTED.

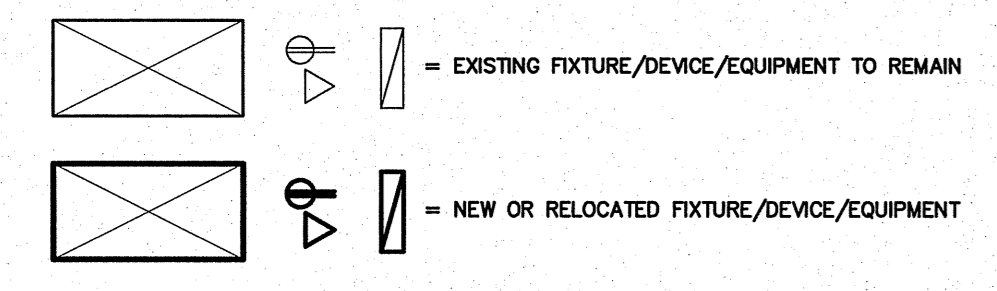


South Columbus HS E2.1

MARK/MANUFACTURER	CATALOG NO.	VOLT.	LAMPS	BALLAST	W/	REMARKS
			NO.	TYPE	FIXTURES	
L4	HP-2-WM-ID-V-Y-835-F-F-98LG-277-DC-FC-1R-MB-FE	277	LED	-	72	8FT WALLMOUNT DIMMABLE LINEAR LED FIXTURE WITH INDEPENDANT INDIRECT/DIRECT CIRCUITING *
L8	HP-2-WM-ID-V-Y-835-F-F-98LG-277-DC-FC-1R-MB-FE	277	LED	-	144	8FT WALLMOUNT DIMMABLE LINEAR LED FIXTURE WITH INDEPENDANT INDIRECT/DIRECT CIRCUITING *
L12	HP-2-WM-ID-12-V-Y-835-F-F-98LG-277-DC-FC-1R-MB-FE	277	LED	-	216	12FT WALLMOUNT DIMMABLE LINEAR LED FIXTURE WITH INDEPENDANT INDIRECT/DIRECT CIRCUITING *

* OR APPROVED EQUAL, PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES. CATALOG NUMBERS ARE FOR REFERENCE ONLY, ACTUAL NUMBERS MAY VARY.

1 ELECTRICAL PLAN A
SCALE: 1/8" = 1'-0"



ALL WIRING, NEW AND EXISTING SHALL COMPLY WITH NEC 916 IN ASSEMBLY AREAS

OVERHEAD LIGHTING IN THIS AREA (NOT SHOWN) IS EXISTING TO REMAIN

OVERHEAD LIGHTING IN THIS AREA (NOT SHOWN) IS EXISTING TO REMAIN

EXISTING LIGHTING CIRCUIT TO BE INTERCEPTED AND REWIRING FROM NEW CIRCUIT AS SHOWN. ALL SWITCHING/CONTROLS TO REMAIN IN PLACE (TYP)

THERE SHALL BE A W/O/G3 RECEPTACLE WITHIN 25'-0" OF ALL EXTERIOR EQUIP. PROVIDE AS REQUIRED.

NOTE:
 THE INFORMATION SHOWN ON THIS DRAWING IS FROM PREVIOUS PERMIT DRAWINGS.
 THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND FIELD VERIFYING ALL RELEVANT INFORMATION.
 THE SUBMISSION OF A BID INDICATES ACCEPTANCE OF EXISTING CONDITIONS. NOTIFY THE ENGINEER
 OF ANY DISCREPANCIES NOTED.

NOTE:
 PROVIDE LABELING ON EACH
 SWITCH NOTING CIRCUIT SERVED.

AUTOMATIC LIGHTING SHUTOFF IS NOT SHOWN IN THE
 EGRESS PATH LIGHTING AS ALLOWED PER 405.2.1-3
 EXCEPTION #3, WHERE AUTOMATIC SHUTOFF WOULD
 ENDANGER OCCUPANT SAFETY.

THE ALL EXIT AND EMERGENCY LIGHTS
 TO NEAREST AVAILABLE UNSWITCHED
 LIGHTING CIRCUIT IN THE AREA SERVED.

VERIFY HEIGHT/LOCATION OF ALL SWITCHES
 AND DEVICES PRIOR TO INSTALLATION.

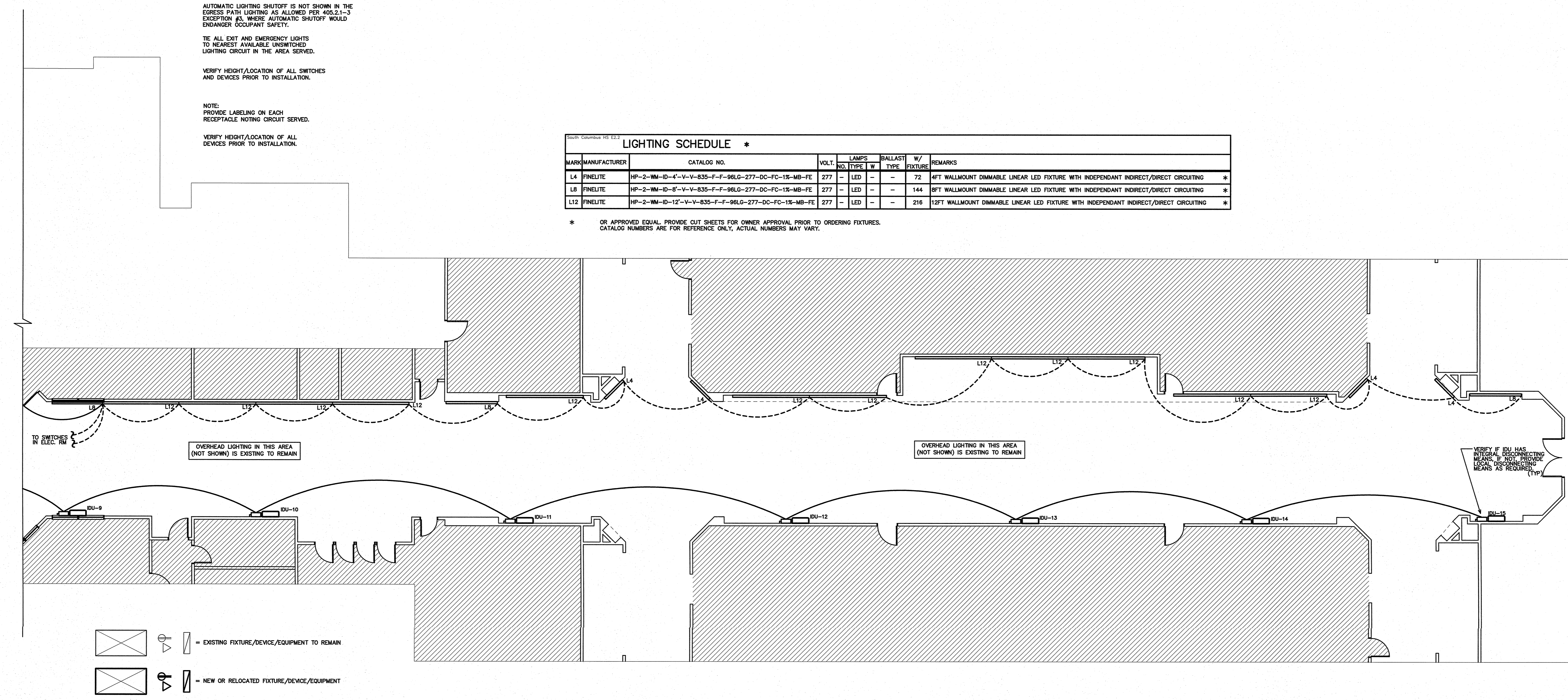
NOTE:
 PROVIDE LABELING ON EACH
 RECEPTACLE NOTING CIRCUIT SERVED.

VERIFY HEIGHT/LOCATION OF ALL
 DEVICES PRIOR TO INSTALLATION.

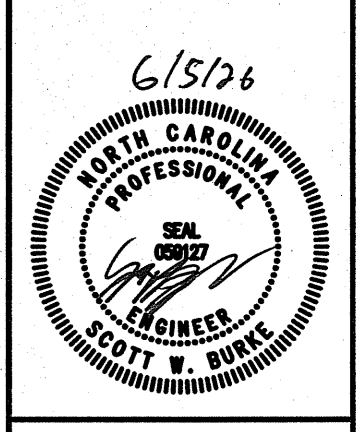
South Columbus HS E2.2

LIGHTING SCHEDULE *									
MARK	MANUFACTURER	CATALOG NO.	VOL. NO.	LAMPS	BALLAST	W/F	REMARKS		
				TYPE	TYPE	FIXTURE			
L4	FINELITE	HP-2-WM-D-4'-V-V-835-F-F-96LG-277-DC-FC-1X-MB-FE	277	LED	-	72	4FT WALLMOUNT DIMMABLE LINEAR LED FIXTURE WITH INDEPENDANT INDIRECT/DIRECT CIRCUITING	*	
L8	FINELITE	HP-2-WM-D-8'-V-V-835-F-F-96LG-277-DC-FC-1X-MB-FE	277	LED	-	144	8FT WALLMOUNT DIMMABLE LINEAR LED FIXTURE WITH INDEPENDANT INDIRECT/DIRECT CIRCUITING	*	
L12	FINELITE	HP-2-WM-D-12'-V-V-835-F-F-96LG-277-DC-FC-1X-MB-FE	277	LED	-	216	12FT WALLMOUNT DIMMABLE LINEAR LED FIXTURE WITH INDEPENDANT INDIRECT/DIRECT CIRCUITING	*	

* OR APPROVED EQUAL PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES.
 CATALOG NUMBERS ARE FOR REFERENCE ONLY, ACTUAL NUMBERS MAY VARY.



1 ELECTRICAL PLAN B
 SCALE: 1/8" = 1'-0"



NEW PANEL - 'EM'		RATING: 480/277V 3 PHASE Δ WIRE			MLO MAIN CIRCUIT BREAKER		
TYPE: EPL3A		MOUNTING SURFACE			EQUIPMENT GROUND BUS		
OR APPROVED EQUAL		MINIMUM AIC: 22,000A			SERVICE ENTRY RATED		
LOAD SERVICE	OKT BRKR	WATTS PER PHASE	NEUTRAL	OKT	WATTS PER PHASE	NEUTRAL	LOAD SERVICE
SPU-1	30A	6731	1	2	7308	6188	PANEL 'EL'
VRVU-1	25A	5041	7	8	3132	2200	LTS - HALLWAY UPLIGHTS
VRVU-2	20A	4127	13	14	3200	2700	LTS - HALLWAY DOWNLIGHTS
VRVU-3	20A	4127	15	16	2600	2700	LTS (FROM LG-2)
VRVU-4	20A	4127	19	20	2700	2900	LTS (FROM LG-20)
	20A	4127	21	22	2700	2900	LTS (FROM LG-25)
	20A	4127	23	24	2700	2900	LTS (FROM LG-27)
	20A	4127	25	26	2700	2900	SPACE
	20A	4127	27	28	2700	2900	SPACE
	20A	4127	29	30	2700	2900	SPACE
	20A	4127	31	32	2700	2900	SPACE
	20A	4127	33	34	2700	2900	SPACE
	20A	4127	35	36	2700	2900	SPACE
	20A	4127	37	38	2700	2900	SPACE
	20A	4127	39	40	2700	2900	SPACE
	20A	4127	41	42	2700	2900	SPACE
NOTES		SUB-TOTALS 'B'		SUB-TOTALS 'A'		TOTAL CONNECTED LOAD	
		24153 24153 24153		200A BUS 16340 14620 15680		200A LUGS 24153 24153 24153	
				200A FEED 40483 38773 38833		GRAND TOTAL	
				VEREY SIZE 147A 140A 144A		AMPS/PHASE	

EXISTING PANEL - 'EL'		RATING: 480/277V 3 PHASE Δ WIRE			MLO MAIN CIRCUIT BREAKER		
TYPE: VEREY		MOUNTING SURFACE			EQUIPMENT GROUND BUS		
OR APPROVED EQUAL		MINIMUM AIC: 22,000A			SERVICE ENTRY RATED		
LOAD SERVICE	OKT BRKR	WATTS PER PHASE	NEUTRAL	OKT	WATTS PER PHASE	NEUTRAL	LOAD SERVICE
LTS - DYM	20A	1600	1	2	1108	1380	PANEL 'EP'
LTS - HALLWAY	20A	2600	3	4	2188	1380	(VIA XFRMR)
LTS - EXT	20A	3100	5	6	4600	1400	PANEL 'EL'
SPARE	20A	---	7	8	4600	1400	
SPACE	20A	---	9	10	1400	1400	
ENDING	20A	---	11	12	1400	1400	
NOTES		SUB-TOTALS 'B'		SUB-TOTALS 'A'		TOTAL CONNECTED LOAD	
		1600 2600 3100		200A BUS 5708 3588 2780		200A LUGS 1600 2600 3100	
				200A FEED 277A 23A 29A		GRAND TOTAL	
				VEREY SIZE 27A 23A 29A		AMPS/PHASE	

NEW PANEL - 'EM'		RATING: 480/277V 3 PHASE Δ WIRE			MLO MAIN CIRCUIT BREAKER		
TYPE: EPL3A		MOUNTING SURFACE			EQUIPMENT GROUND BUS		
OR APPROVED EQUAL		MINIMUM AIC: 22,000A			SERVICE ENTRY RATED		
LOAD SERVICE	OKT BRKR	WATTS PER PHASE	NEUTRAL	OKT	WATTS PER PHASE	NEUTRAL	LOAD SERVICE
SPU-1	30A	6731	1	2	7308	6188	PANEL 'EL'
VRVU-1	25A	5041	7	8	3132	2200	LTS - HALLWAY UPLIGHTS
VRVU-2	20A	4127	13	14	3200	2700	LTS - HALLWAY DOWNLIGHTS
VRVU-3	20A	4127	15	16	2600	2700	LTS (FROM LG-2)
VRVU-4	20A	4127	19	20	2700	2900	LTS (FROM LG-20)
	20A	4127	21	22	2700	2900	LTS (FROM LG-25)
	20A	4127	23	24	2700	2900	LTS (FROM LG-27)
	20A	4127	25	26	2700	2900	SPACE
	20A	4127	27	28	2700	2900	SPACE
	20A	4127	29	30	2700	2900	SPACE
	20A	4127	31	32	2700	2900	SPACE
	20A	4127	33	34	2700	2900	SPACE
	20A	4127	35	36	2700	2900	SPACE
	20A	4127	37	38	2700	2900	SPACE
	20A	4127	39	40	2700	2900	SPACE
	20A	4127	41	42	2700	2900	SPACE
NOTES		SUB-TOTALS 'B'		SUB-TOTALS 'A'		TOTAL CONNECTED LOAD	
		24153 24153 24153		200A BUS 16340 14620 15680		200A LUGS 24153 24153 24153	
				200A FEED 40483 38773 38833		GRAND TOTAL	
				VEREY SIZE 147A 140A 144A		AMPS/PHASE	

EXISTING PANEL - 'EP'		RATING: 208/120V 3 PHASE Δ WIRE			MLO MAIN CIRCUIT BREAKER		
TYPE: VEREY		MOUNTING SURFACE			EQUIPMENT GROUND BUS		
OR APPROVED EQUAL		MINIMUM AIC: 22,000A			SERVICE ENTRY RATED		
LOAD SERVICE	OKT BRKR	WATTS PER PHASE	NEUTRAL	OKT	WATTS PER PHASE	NEUTRAL	LOAD SERVICE
KITCHEN LTS	20A	300	1	2	1200	20A	GENSET-1 BATTERY CHARGER
FIRE ALARM	20A	600	3	4	1200	20A	GENSET-2 BATTERY CHARGER (ALT)
SECURITY	20A	600	5	6	---	20A	SPACE
PROGRAM SYS	20A	600	7	8	---	20A	SPACE
PHONE	20A	600	9	10	780	15A	BUS - HALLWAY
SPACE	20A	---	11	12	780	15A	BUS - KITCHEN
SPACE	20A	---	13	14	208	---	SPACE
SPACE	20A	---	15	16	208	---	SPACE
SPACE	20A	---	17	18	---	---	SPACE
NOTES		SUB-TOTALS 'B'		SUB-TOTALS 'A'		TOTAL CONNECTED LOAD	
		800 1200 600		50A BUS 1408 2188 780		SUB-TOTALS 'A'	
				50A LUGS 800 1200 600		SUB-TOTALS 'B'	
				50A FEED 2208 3388 1380		GRAND TOTAL	
				VEREY SIZE 19A 28A 12A		AMPS/PHASE	

REVISD PANEL - 'EP'		RATING: 208/120V 3 PHASE Δ WIRE			MLO MAIN CIRCUIT BREAKER		
TYPE: VEREY		MOUNTING SURFACE			EQUIPMENT GROUND BUS		
OR APPROVED EQUAL		MINIMUM AIC: 22,000A			SERVICE ENTRY RATED		
LOAD SERVICE	OKT BRKR	WATTS PER PHASE	NEUTRAL	OKT	WATTS PER PHASE	NEUTRAL	LOAD SERVICE
KITCHEN LTS	20A	300	1	2	1200	20A	GENSET-1 BATTERY CHARGER
FIRE ALARM	20A	600	3	4	1200	20A	GENSET-2 BATTERY CHARGER (ALT)
SECURITY	20A	600	5	6	---	20A	SPACE
PROGRAM SYS	20A	600	7	8	---	20A	SPACE
PHONE	20A	600	9	10	780	15A	BUS - HALLWAY
SPACE	20A	---	11	12	780	15A	BUS - KITCHEN
SPACE	20A	---	13	14	208	---	SPACE
SPACE	20A	---	15	16	208	---	SPACE
SPACE	20A	---	17	18	---	---	SPACE
NOTES		SUB-TOTALS 'B'		SUB-TOTALS 'A'		TOTAL CONNECTED LOAD	
		800 1200 600		50A BUS 1408 2188 780		SUB-TOTALS 'A'	
				50A LUGS 800 1200 600		SUB-TOTALS 'B'	
				50A FEED 2208 3388 1380		GRAND TOTAL	
				VEREY SIZE 19A 28A 12A		AMPS/PHASE	

EXISTING PANEL - 'EL'		RATING: 480/277V 3 PHASE Δ WIRE			MLO MAIN CIRCUIT BREAKER		
TYPE: VEREY		MOUNTING SURFACE			EQUIPMENT GROUND BUS		
OR APPROVED EQUAL		MINIMUM AIC: 22,000A			SERVICE ENTRY RATED		
LOAD SERVICE	OKT BRKR	WATTS PER PHASE	NEUTRAL	OKT	WATTS PER PHASE	NEUTRAL	LOAD SERVICE
LTS - DYM	20A	1600	1	2	1108	1380	PANEL 'EP'
LTS - HALLWAY	20A	2600	3	4	2188	1380	(VIA XFRMR)
LTS - EXT	20A	3100	5	6	4600	1400	PANEL 'EL'
SPARE	20A	---	7	8	4600	1400	
SPACE	20A	---	9	10	1400	1400	
ENDING	20A	---	11	12	1400	1400	
NOTES		SUB-TOTALS 'B'		SUB-TOTALS 'A'		TOTAL CONNECTED LOAD	
		1600 2600 3100		200A BUS 5708 3588 2780		200A LUGS 1600 2600 3100	
				200A FEED 277A 23A 29A		GRAND TOTAL	
				VEREY SIZE 27A 23A 29A		AMPS/PHASE	

EXISTING PANEL - 'EL'		RATING: 480/277V 3 PHASE Δ WIRE			MLO MAIN CIRCUIT BREAKER		
TYPE: VEREY		MOUNTING SURFACE			EQUIPMENT GROUND BUS		
OR APPROVED EQUAL		MINIMUM AIC: 22,000A			SERVICE ENTRY RATED		
LOAD SERVICE	OKT BRKR	WATTS PER PHASE	NEUTRAL	OKT	WATTS PER PHASE	NEUTRAL	LOAD SERVICE
LTS - DYM	20A	1600	1	2	1108	1380	PANEL 'EP'
LTS - HALLWAY	20A	2600	3	4	2188	1380	(VIA XFRMR)
LTS - EXT	20A	3100	5	6	4600	1400	PANEL 'EL'
SPARE	20A	---	7	8	4600	1400	
SPACE	20A	---	9	10	1400	1400	
ENDING	20A	---	11	12	1400	1400	
NOTES		SUB-TOTALS 'B'		SUB-TOTALS 'A'		TOTAL CONNECTED LOAD	
		1600 2600 3100		200A BUS 5708 3588 2780		200A LUGS 1600 2600 3100	
				200A FEED 277A 23A 29A		GRAND TOTAL	
				VEREY SIZE 27A 23A 29A		AMPS/PHASE	

EXISTING PANEL - 'EP'		RATING: 208/120V 3 PHASE Δ WIRE			MLO MAIN CIRCUIT BREAKER		
TYPE: VEREY		MOUNTING SURFACE			EQUIPMENT GROUND BUS		
OR APPROVED EQUAL		MINIMUM AIC: 22,000A			SERVICE ENTRY RATED		
LOAD SERVICE	OKT BRKR	WATTS PER PHASE	NEUTRAL	OKT	WATTS PER PHASE	NEUTRAL	LOAD SERVICE
KITCHEN LTS	20A	300	1	2	1200	20A	GENSET-1 BATTERY CHARGER
FIRE ALARM	20A	600	3	4	1200	20A	GENSET-2 BATTERY CHARGER (ALT)
SECURITY	20A	600	5	6	---	20A	SPACE
PROGRAM SYS	20A	600	7	8	---	20A	SPACE
PHONE	20A	600	9	10	780	15A	BUS - HALLWAY
SPACE	20A	---	11	12	780	15A	BUS - KITCHEN
SPACE	20A	---	13	14	208	---	SPACE
SPACE	20A	---	15	16	208	---	SPACE
SPACE	20A	---	17	18	---	---	SPACE
NOTES		SUB-TOTALS 'B'		SUB-TOTALS 'A'		TOTAL CONNECTED LOAD	
		800 1200 600		50A BUS 1408 2188 780		SUB-TOTALS 'A'	
				50A LUGS 800 1200 600		SUB-TOTALS 'B'	
				50A FEED 2208 3388 1380		GRAND TOTAL	
				VEREY SIZE 19A 28A 12A		AMPS/PHASE	

EXISTING PANEL - 'EP'		RATING: 208/120V 3 PHASE Δ WIRE			MLO MAIN CIRCUIT BREAKER		
TYPE: VEREY		MOUNTING SURFACE			EQUIPMENT GROUND BUS		
OR APPROVED EQUAL		MINIMUM AIC: 22,000A			SERVICE ENTRY RATED		
LOAD SERVICE	OKT BRKR	WATTS PER PHASE	NEUTRAL	OKT	WATTS PER PHASE	NEUTRAL	LOAD SERVICE
KITCHEN LTS	20A	300	1	2	1200	20A	GENSET-1 BATTERY CHARGER
FIRE ALARM	20A	600	3	4	1200	20A	GENSET-2 BATTERY CHARGER (ALT)
SECURITY	20A	600	5	6	---	20A	SPACE
PROGRAM SYS	20A	600	7	8	---	20A	SPACE
PHONE	20A	600	9	10	780	15A	BUS - HALLWAY
SPACE	20A	---	11	12	780	15A	BUS - KITCHEN
SPACE	20A	---	13	14	208	---	SPACE
SPACE	20A	---	15	16	208	---	SPACE
SPACE	20A	---	17	18	---	---	SPACE
NOTES		SUB-TOTALS 'B'		SUB-TOTALS 'A'		TOTAL CONNECTED LOAD	
		800 1200 600		50A BUS 1408 2188 780		SUB-TOTALS 'A'	
				50A LUGS 800 1200 600		SUB-TOTALS 'B'	
				50A FEED 2208 3388 1380		GRAND TOTAL	
				VEREY SIZE 19			