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FOR PERMITTING

PLANS, NOTES, CODE DATA

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ELECTRICAL SPECIFICATIONS 1. GENERAL PROVISIONS C. All cables shall be color coded. Color coding shall be as follows: 120/208 Volt A. Work included in these specifications and included on the drawings shall include furnishing all labor, materials, supplies, and equipment Black to perform all work required including cutting, channeling, chasing, excavating and backfilling, to install a complete and working electrical Red system(s) in accordance with these sections of the specifications and the accompanying drawings. This shall include all required preparation Blue work, raceways, coordination, etc. required to install the electrical system. White Green B. The electrical work shall include, but in no way be limited to the following: Raceways (To include raceways for conductors and cables, but also empty for designated signal systems and future uses.) D. Each wire or cable in a feeder at its terminal points, and in each pull-box, junction box, and panel gutter through which it passes Electrical Distribution System. shall be identified to show the circuit number of the breaker that it connects to. Each common wire, common circuit to common loop of a system, sound system, or any signal system conductor, shall be identified. Exterior Lighting Systems. Exterior and Interior Power Systems. E. All installation shall be in accordance with the NEC. All splices shall be in junction boxes and shall be electrically and mechanically Wiring Devices. Connection and installation of Equipment Furnished Under Other Divisions of the Specification. secure. Where a circuit home run is shown on the plans without any conductor or raceway identification, it shall be a minimum of 2 # 12, 1 # 12 Ground, 1/2" Conduit. Place an equal number of conductors for each phase of a circuit in same raceway or cable. Splice C. The contractor is responsible for including any and all work related to the electrical that is noted in any part of the specifications or any part of the specifications or any part of the drawings, including Divisions 1, 15 and any other sections. The contractor will supply power to equipment at the voltage only in junction or outlet boxes. Neatly train and lace wiring inside boxes, equipment, and panelboards. Perform continuity test on all power and equipment branch circuit conductors. Verify proper phasing connections. indicated on the drawings. The contractor will be held responsible for coordinating the equipment voltages, control equipment, wiring, and locations and type of terminations/connections and/or disconnects required to comply with the National Electrical Code, International 5. WIRING DEVICES Building Code, International Energy Conservation Code, all local codes, and the equipment manufacturer's requirements. A. The shall include the furnishing and installing of any and all wiring devices required to make a complete and functioning wiring system. D. Electrical Drawings are diagrammatic in nature except where specific dimensions, or specific details are shown on the electrical, mechanical, or architectural drawings. The contractor shall refer to other drawings for exact locations of equipment, building dimensions, See the drawings for symbols and descriptions of devices. Devices specified are to establish a level of quality. All devices shall be best specification grade. Equivalent devices by Pass and Seymore or Leviton are acceptable. architectural details and conditions affecting the electrical work; however, field measurements take precedence over dimensioned drawings. The Electrical Contractor shall provide all labor and materials and all incidental elements; junction and pull boxes, filters, pull wires, connectors, support materials, fuses, disconnect switches, lamps, and labels, to install, connect, start-up and result in a complete and Color of devices shall be per Architect. working system in accordance with the drawings and specifications. The contractor is responsible for coordinating the installation of all electrical work with the work of other contractors and/or trades. The electrical drawings are such that the electrical service to equipment B. Duplex receptacle shall be 20 ampere, 120 volt, 2-Pole, 3-Wire, NEMA 5-20R. Unit shall be HBL #5362 or HBL #5362TR (where furnished and installed under other sections of the contract documents (examples, include but are not limited to: HVAC equipment, water required). heaters, fans, pumps, motors, etc) is coordinated for the specified equipment only. If the equipment installed under other divisions of the C. Ground Fault receptacle shall be HBL #GF5362 or HBL #GF5362TR (where required). contract documents is not the specified equipment it is the responsibility of the contractor to coordinate the electrical service/interface requirements with the electrical contractor. D. Light switches other than sweep switches and low voltage button stations shall be 20 ampere, 120-277 volt. Unit shall be HBL #1221 E. Provide all wiring, connectors, fittings, connections, and all accessories for the complete installation of, and final connections to, for SPST, HBL #1223 for three-way, and HBL #1224 for Four-Way. equipment furnished under other divisions of the specifications and where indicated on the drawings or otherwise specified. E. Installation shall be per NEC. Include around wire and connection with all receptacle circuits. Quadraplex receptacles shall be two duplex receptacles installed in a two gang box. Install wall switches OFF position down. Install convenience receptacles arounding pole on F. All safety disconnect switches shall be provided under Division 16 unless specifically noted on drawings. The electrical contractor shall top. Install devices and wall plates flush and level. Provide GFCI receptacle within 6' of any water source. GFCI receptacles shall not be furnish and install fuses that are sized in accordance to the equipment nameplate of the equipment served. used to protect non-GFCI receptacles G. The contractor is responsible for obtaining all required permits and complying with all National (NEC, IBC, NFPA), State, County, and

Wiring Device Plates:

PANELBOARDS

the receptacle.

Municipal codes and regulations. This shall include, but not be limited to, the following: 1. Federal Occupational Safety and Health Act (OSHA)

- 2. NFPA 70 (National Electrical Code) 3. NFPA 101 (Life Safety Code)
- 4. Americans with Disabilities Act (ADA).
- 5. International Building Code (IBC). 6. International Energy Conservation Code (IECC).

H. The contractor shall keep a set of construction drawings during the length of the project on which he shall note any and all changes from the original drawings. This record set of drawings shall be updated daily.

I. Electrical Subcontractor shall submit for review by the Engineer detailed shop drawings of all material listed below. All submittal data shall be submitted at one time through the Architect. No material or equipment for which Engineer's review is required shall be delivered to the job site or installed until the Electrical Contractor has in his possession the reviewed and approved shop drawings for the particular material and/or equipment. The Electrical Contractor shall assemble, organize, prepare and review for correctness shop drawings on all materials, equipment, fixtures and devices to be used. If material submitted is the result of "value engineering" or "prior approval" changes, the submittal must contain supporting documentation of the approved changes, otherwise it will be reviewed against the specified products on these plans. The Electrical contractor shall furnish the number of copies specified by the Architect or one (1) PDF copy of shop drawings if no number is specified by the Architect. Shop drawings that are incorrectly submitted, contain errors or omissions, or

not in the form and sequence specified shall be rejected as unapproved. Shop drawings shall contain as cover page a letter by the supplying Vendor stating that the Vendor has received full contract documents and that to the best of his or her knowledge the submittal is in compliance with the contract documents and design intent including all ancillary parts and pieces required for a complete iob.

Review of shop drawings in no way relieves the Contractor of his responsibility of quantity, dimensions, weights, means and methods. safety, or coordination with others.

Failure of the Contractor to submit shop drawings to the Engineer with reasonable time for review shall not entitle the Contractor to an extension of contract time. Reasonable review time is fifteen working days unless otherwise specified.

At minimum shop drawings shall be submitted for

- Lighting fixtures Lighting control systems including automatic switches
- Panelboards Safety switches
- SPD'S
- Basic materials; wire, conduit, fittings, wiring devices Fuses

J. Requests for Substitution

Submit requests for substitution to Engineer through Architect in PDF format no fewer than ten (10) working days prior to bid time. Requests shall contain cutsheets, catalog numbers, etc. Any approval will be in writing by the Engineer. Prior approval submittals for lighting shall include adequate photometric and energy use documentation for comparison to specified.

Substituted items will not result in an increase in cost to the Owner.

K. Catalog numbers and names that appear in the specifications or on the plans may be incomplete or obsolete and are for descriptive purposes only. As such they may not indicate all of the parts, pieces and systems required for a complete and operating installation. It is the responsibility of the Electrical Contractor, the Vendor and the Supplier to review the plans, specifications and applications to determine the correct item(s) required to include all installation and support materials and systems for a complete and working installation.

2. FIRE SPREAD PREVENTION MATERIAL

A. The work shall include the requirement to install fire spread prevention material wherever the electrical contractor installs or penetrates a material (wall. etc.) to install electrical equipment or materials.

B. Fire Resistance Rating: Whenever a fire rated wall, floor, floor-ceiling or roof-ceiling assembly is shown with through-penetrations, provide materials and application procedures which have been tested and classified by UL and approved by FM for the assembly.

C. Installation shall be in accordance with the printed instructions as supplied by the manufacturer

3. RACEWAYS/CONDUITS AND ASSOCIATED EQUIPMENT

A. The work shall include all raceways, conduits, fittings, and all other equipment required to install a raceway system. This shall include, but not limited to the following: . Rigid metal conduit and fittings

2. Electrical metallic tubing and fittings.

3. Flexible metal conduit and fittings. 4. Liquid tight flexible metal conduit and fittinas.

- 5. Non-metallic conduit and fittings.
- B. Except where otherwise permitted on drawings route all conductors in conduit.

C. All signal systems shall have their wiring installed in conduit/raceways to above accessible ceiling and in inaccessible ceiling spaces. All cabling exposed above ceiling shall be plenum rated.

Conduit routing and device wiring for signal system components is not shown on the drawings. The contractor shall coordinate with the signal system manufacturer to determine the conduit (size and routing) and wiring requirements to circuit the equipment shown on the drawinas

D. Specified products and their areas of use shall be as described on drawings.

E. Fittings shall be steel compression type, concrete tight for all EMT raceways. For PVC raceways, use slip fittings with glue joints. For rigid galvanized steel and IMC, fittings shall be threaded galvanized iron, heavy steel, concrete tight

F. Size conduit for conductor type installed; 1/2 inch minimum size.

G. For all empty raceways, furnish and install a nylon pull cord. The nylon pull cord shall be rated for a 200 pound force pull strength.

4. WIRE AND CABLE - 600 VOLTS AND LESS

A. Work shall include the furnishing and installing of all required wire and cable to complete the wiring and electrical system. This shall include, but not be limited to the following: 1. Building wire.

2. Wiring connections and terminations. 3. Communications cabling as specified on drawings.

B. Feeders and Branch Circuits Larger Than 6 AWG: Copper, stranded conductor, 600 volt insulation, THHN. Feeders and Branch Circuits 6 AWG and Smaller: Copper conductor, 600 volt insulation, THHN. 6 and 8 AWG, stranded conductor; smaller than 8 AWG, solid conductor. MINIMUM SIZE SHALL BE #12 FOR ALL WIRING ABOVE 48 VOLTS. All conductors in damp or wet locations (including below grade) shall be listed for that use, THWN-2 or equivalent.

3				

Phase
Α
В
С
Neutral
Ground

1. Provide over-sized Thermoset type cover plates for all flush mounted devices. Color shall match existing or provide at minimum selection of white, ivory, brown or gray. 2. Plates for surface mounted devices in unfinished areas shall be steel, galvanized types with beveled edges. 3. Screws securing the plate shall have flush mounted heads (when installed) with finish to match that of the plate. 4. Weather-proof plates shall be constructed with cast aluminum base plates and covers. Hinge pins, springs and screws shall be

constructed of stainless steel. Covers shall comply with appropriate UL and NEC requirements for use in wet locations.

This section includes furnishing and installing panelboards and related equipment to form a complete and functioning electrical system. This shall include. but not be limited to the following: 1. Service and distribution panelboards.

2. Lighting and appliance branch circuit panelboards.

B. Panelboards shall be as manufactured by Square D or approved equivalent by ABB, Eaton or Siemens.

Provide cabinet front with concealed trim clamps, and hinged door with flush lock. Finish in manufacturer's standard gray enamel. Provide panelboards with copper bus, ratings as scheduled. Provide copper ground bus in all panelboards, aluminum with permission of Owner. Minimum Integrated Short Circuit Rating: See drawings. Molded Case Circuit Breakers: NEMA AB 1; provide circuit breakers with integral thermal and instantaneous magnetic trip in each pole. Provide circuit breakers UL listed as Type HACR for air conditioning equipment branch circuits.

D. Furnish and install all required materials to install and mount the panelboards to the wall shown on the drawings. Install panelboards plumb and flush with wall finishes, in conformance with NEMA PB 1.1. Provide filler plates for unused spaces in panelboards.

E. Provide typed circuit directory for each circuit breaker in each panelboard. Visual and Mechanical Inspection: Inspect for physical damage, proper alignment, anchorage, and grounding. Check proper installation and tightness of connections for circuit breakers. fusible switches, and fuses. Provide name plates for each panel and switch as described in the General Notes on the drawinas.

7. SECONDARY GROUNDING

A. Work included shall include power system grounding, communication system grounding, and electrical equipment and raceway grounding and bonding. Ground electrical work in accordance with NEC Article 250, local codes as specified herein, and as shown on the drawings.

Install equipment grounding conductors in raceway with feeder and branch circuit conductors. Ground lighting fixtures with grounding conductor to rigid metal raceways serving them. Flexible metal conduit shall have a ground wire installed with the power conductors. Where connections are made to motors or equipment with flexible metal conduit, grounding conductor shall be stranded copper conductor within the conduit, bonded to the equipment and to the rigid metal raceway system. At each convenience outlet, install a grounding clip attached to the outlet box and leave a sufficient length of #12 wire with green colored insulation to connect to the grounding terminal of

ELECTRICAL SYMBOL SCHEDULE									
IGHTING									
LP1-2,4	BRANCH CIRCUIT RACEWAY. RUN CONCEALED IN CEILING OR WALLS. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBERS FOR HOMERUN. INSTALL GROUND WIRE IN ALL RACEWAYS. #12 AWG MINIMUM AND AS PER CODE.								
LP1-2,4	BRANCH CIRCUIT RACEWAY. RUN IN OR UNDER SLAB OR FLOOR. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBERS FOR HOMERUN. INSTALL GROUND WIRE IN ALL RACEWAYS. #12 AWG MINIMUM AND AS PER CODE.								
PP1	ELECTRICAL DISTRIBUTION OR BRANCH CIRCUIT PANELBOARD. TEXT DENOTES NAME, REFER TO DRAWINGS FOR LOCATION. SEE POWER RISER DIAGRAM AND PANEL SCHEDULES. SURFACE OR FLUSH MOUNTED AS INDICATED ON PANEL SCHEDULE.								
Ao	CEILING MOUNTED LIGHT FIXTURE. SEE DESCRIPTION AND MODEL NUMBER ON PLANS.								
\$	120–277V, 20A SINGLE POLE LIGHT SWITCH. HEAVY DUTY TYPE. PROVIDE NEUTRAL CONDUCTOR TO ALL SWITCH LOCATIONS.								
ዋ	120V, 20A DUPLEX RECEPTACLE, NEMA 5–20R. WALL MOUNTED, REFER TO TYPICAL MOUNTING HEIGHTS DETAIL. REFER TO ADDITIONAL NOTATIONS BELOW WHERE INDICATED ON DRAWINGS.								
C	HEAVY DUTY DISCONNECT SWITCH, SEE SCHEDULE.								
VIRING DEVICE TYPICAL NOTATIONS									
GF	GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLE.								
GF WP	GROUND FAULT CIRCUIT INTERRUPTER TYPE WITH CAST WEATHERPROOF IN-USE TYPE COVER. ALL RECEPTACLES LOCATED OUTDOORS OR EXPOSED TO THE ELEMENTS SHALL BE WEATHER RESISTANT LISTED WITH "WR" LISTING ON FACE OF DEVICE BY FACTORY.								
WP	PROVIDE WITH CAST WEATHERPROOF IN-USE TYPE COVER.								



DEVICE MOUNTING HEIGHTS NO SCALE

	DISCONNE	ECT SWITCH SCHEDULE						
	SWITCH	DESCRIPTION						
	S-6	30A/3P						
SWITCH NOTES:								
1.	ALL DISC HEAVY D MFR AS	CONNECTS SHALL BE UTY TYPE AND BY SAME PANELBOARDS.						
2.		600V TO SUIT CIRCUIT						
3.	ALL DISC	CONNECTS FUSIBLE						

UNLESS OTHERWISE NOTED,

- PROVIDE FUSES TO SUIT LOAD ENCLOSURES NEMA 3R
- OUTDOORS AND IN WET LOCATIONS, NEMA 1 ELSEWHERE UNLESS OTHERWISE NOTED. ALL OUTDOOR DISCONNECTS
- SERVING GROUND MOUNTED HVAC UNITS SHALL NOT BE MOUNTED HIGHER THAN 36" ABOVE FINISHED GRADE.
- COORDINATE WITH FOUIPMENT MANUFACTURER AND INSTALL TO PROVIDE REQUIRED CLEARANCES
- PER NEC. COORDINATE WITH MECHANICAL CONTRACTOR, WHERE SCCR RATINGS OF MECHANICAL EQUIPMENT DOES NOT MEET OR EXCEED AIC RATING OF PANELBOARD OR DISCONNECT
- SWITCH SERVING EQUIPMENT PROVIDE FUSES TO ADEQUATELY PROTECT EQUIPMENT. DISCONNECTS SHALL BE MOUNTED WITHIN SIGHT OF
- EQUIPMENT SERVED. NF = NON - FUSED.



AMPERE

ABBREVIATIONS

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HEDULE

- DO NOT SCALE DRAWINGS. LOCATE OUTLETS, EQUIPMENT AND OTHER ELECTRICAL DEVICES AS INDICATED AND COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE EXACT LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- 2. MINIMUM SIZE CONDUCTOR FOR POWER SHALL BE #12 AWG. PROVIDE DEDICATED NEUTRAL FOR EACH MULTI-WIRE BRANCH CIRCUIT IN COMPLIANCE WITH NEC.
- 3. ALL FUSES SHALL BE DUAL-ELEMENT TYPE, "FUSETRON" BY BUSSMAN, "ECON" BY ECONOMY, OR FERRAZ SHAWMUT.
- SCHEDULES OR ON DRAWINGS.
- 5. ALL BRANCH CIRCUIT LOADS SHALL BE BALANCED ACROSS PANELBOARD BUSSES TO OBTAIN MINIMUM NEUTRAL CURRENT.
- 6. ALL FLEXIBLE CONDUIT SHALL CONTAIN A GREEN WIRE BONDED TO RIGID RACEWAY. BOX OR FIXTURE AT EACH END OF FLEX. SIZE GROUND PER NEC TABLE 250-122.
- 7. PROVIDE PULL STRING IN ALL EMPTY RACEWAYS.
- 8. COORDINATE WITH OTHER TRADES TO CONCEAL ELECTRICAL WORK AND PROVIDE OUTLETS IN CORRECT LOCATIONS.
- 9. CONCEAL OUTLETS FOR ALL EQUIPMENT IN FINISHED AREAS. OBTAIN ROUGHING DIAGRAMS FOR ALL EQUIPMENT AND INSTALL ELECTRICAL WORK ACCORDING TO DIAGRAMS.
- 10. SEAL ALL PENETRATIONS TO RATED WALLS AND CEILINGS WITH UL LISTED FIREPROOFING SYSTEM. THIS IS TO INCLUDE BUT IS IN NO WAY LIMITED TO CONDUCTOR, RACEWAY AND DEVICE PENETRATIONS. SUBMIT SYSTEM AND INSTALLATION DETAILS AS PART OF SHOP DRAWING
- 11. WHERE NOT INDICATED OTHERWISE, EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED PER NEC TABLE 250-122.
- 12. ALL METAL CONDUITS 1" AND LARGER SHALL HAVE A GROUNDING BUSHING BONDING CONDUIT TO ENCLOSURE.
- 13. AT SUBSTANTIAL COMPLETION CLEAN ALL LIGHT FIXTURES AND CLEAN ALL DEVICES IN THE CONSTRUCTION AREAS. REPLACE DAMAGED DEVICES AND DEVICE PLATES AS NEEDED.
- 14. VERIFY ALL EQUIPMENT LOCATIONS AND ELECTRICAL REQUIREMENTS WITH EQUIPMENT VENDOR. IF EQUIPMENT BEING PROVIDED DOES NOT MATCH DESIGN NOTIFY ENGINEER IMMEDIATELY.
- 15. CONCEAL ALL CONDUIT AND RACEWAY. IF CONDITIONS REQUIRE CONDUIT OR RACEWAY TO BE
 - RUN EXPOSED COORDINATE ROUTING WITH ARCHITECT AND PAINT AS REQUIRED BY ARCHITECT. 16. ALL RACEWAYS TRANSITIONING BETWEEN CONDITIONED AND UNCONDITIONED SPACES AND RACEWAYS EXITING BUILDING SHALL BE SEALED IN ACCORDANCE WITH NEC. USE POLYWATER FST DUCT SEALANT SYSTEM OR EQUIVALENT.
- 17. ELECTRICAL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES, REQUIREMENTS AND ORDINANCES.
- 18. ALL BACKBOXES SHALL BE MINIMUM 4" SQUARE.
- 19. ALL EMT FITTINGS SHALL BE STEEL COMPRESSION TYPE WITH INSULATED THROAT.
- 20. PROVIDE PLASTIC ENGRAVED NAMETAGS FOR ALL ELECTRICAL GEAR. INCLUDING DISCONNECT SWITCHES. INDICATE EQUIPMENT NAME, EQUIPMENT SERVED (WHERE APPLICABLE), FEEDER SOURCE AND CIRCUIT, VOLTAGE. LETTERING SHALL BE 3/8" IN HEIGHT, WHITE ON BLACK BACKGROUND.
- 21. PROVIDE LABELS INDICATING CIRCUIT NUMBER AND SOURCE FOR ALL 120V AND GREATER DEVICES. LABELS SHALL BE THERMAL TRANSFER TYPE, 3/8" WITH 1/4" LETTERING. WHITE BACKGROUND FOR BLACK DEVICES. CLEAR BACKGROUND OTHERWISE.
- 22. SLEEVE ALL RACEWAY PENETRATIONS THROUGH SLABS, EXTERIOR WALLS/FOUNDATIONS AND SIMILAR. COORDINATE ALL PROPOSED PENETRATIONS WITH STRUCTURAL ENGINEER AND ARCHITECT.



ETI

No. C02936

ENGINEERING.

MUSEUM OF YORK COUNTY

EXTERIOR FREEZER ADDITION

4621 MT. GALLANT ROAD

ROCK HILL, SC 29732

ELECTRICAL NOTES, DETAILS AND SPECS.

6

- TION AND MODEL NUMBER ON PLANS.
- AVY DUTY TYPE. PROVIDE NEUTRAL
- WALL MOUNTED, REFER TO TYPICAL NOTATIONS BELOW WHERE INDICATED

LIGHT SWITCHES AND OTHER LIGHTING

CONTROL DEVICES SHALL ALWAYS BE

LOCATED ON THE STRIKE SIDE OF THE

THE PLANS OR IN THE SPECIFICATIONS.

HINGE SIDE -----

FINISHED FLOOR

FINISHED CEILING

- DOOR CASING

DOORWAY UNLESS NOTED OTHERWISE ON

4. BRANCH CIRCUIT SIZES ARE #12 AWG, 1/2"C. UNLESS OTHERWISE NOTED IN PANELBOARD

GENERAL NOTES ALL DRAWINGS:

ENGINEERING, LL(

5725 Bush River Road

Columbia, SC 29212

803.233.9396 (Phone)

803.233.4371 (Fax)

Project Manager:

Bryson D. Tucker, P.E.

FTi #2303-08603

E0.0

DRAWN: bdt

REVISIONS:

DATE: 8/31/23

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E			
D			
С			
B			



OVERALL ELECTRICAL WORK PLAN NO SCALE

NAME : PFRZ			BUS		5: 125	A							
SYSTEM : NORMAL			MAIN		: MLO								
TYPE : SQUARE D	QO		VOLT	AGE	: 120	-208V/	′3ø/4W,	/SN					
INTERRUPTING RATING : 10K AIC MOUNTING : SURFACE, NEMA 3R													
CKT. CIRCUIT NAME	WIRE	COND	LOAD	BKR.	POLES	PHASE	POLES	BKR.	LOAD	COND	WIRE	CIRCUIT NAME	CKT.
	10	3/4	2.2	30		A	Ŧ	15	1.3	1/2	12	FREEZER EVAD LINIT	2
5		5/4	2.2	50	\sim	C	<u> </u>	13	1.3	1/2	12		6
7 FREEZER LIGHTS/HEATER	12	1/2	1.5	20		A	ጥ		-				8
9 CANOPY LIGHT/RECEPT	12	1/2	0.3	20	$\left(\right)$	В	Φ	30	-	3/4	10	SPD	10
11 SPARÉ				20	$\left(\right)$	C	<u></u>		-	•			12
CONNECTED LOAD, (KVA): A 5.0 B 3.8							c	3.5					
PROVIDE DITEK #D50-120/2083Y FOR SPD AT PANEL.													



POWER RISER DIAGRAM

