

Additions and Renovations Platt Technical High School Milford, CT

# **ADDENDUM NO. 1**

July 23, 2019

The original Specifications and Drawings dated May 24, 2019 for the above-captioned project are amended as stated in this Addendum. This Addendum consists of seven (7) pages, plus the following attachments.

## **ATTACHMENTS**

PROJECT MANUAL SECTION 22 11 23 – FACILITY NATURAL GAS PIPING	(13 pages)
ARCHITECTURAL SKETCHES RA1-01 thru RA1-02	(2 pages)
STRUCTURAL DRAWING S0-0-1	(1 page)
FIRE PROTECTION DRAWINGS FP1-1-1E, FP1-1-2B, FP1-1-3C, FP1-1-MB, FP1-1-ME, FP2-1-1	(6 pages)
PLUMBING DRAWINGS P1-1-UB, P1-1-1B, P1-1-1E, P1-1-2C, P2-1-1, P2-1-2, P3-1-2, P4-1-1, P4-1-3	(9 pages)
MECHANCIAL DRAWINGS M1-1-1A, M1-1-1E, M1-1-ME, M1-2-1E, M2-1-1B, M2-1-1E, M2-1-2D, M2-3-1A, M2-3-1C, M3-1-2, M3-1-3, M5-1-4	(12 pages)
ELECTRICAL DRAWINGS E2-1-1E, E2-1-2E, E2-2-1C, E6-1-1, E7-1-2, E7-1-3, E8-1-1, E8-1-2, E8-1-3, E8-1-5	(10 pages)
EQUIPMENT SKETCHES REQ1-01	(1 page)
FOOD SERVICE SKETCHES RFS1-01 thru RFS1-05	(5 pages)

SIGN-IN SHEET FOR PRE-BID CONFERENCE THAT OCCURRED ON JULY 22, 2019 (SEE ATTACHMENT).

BIDDER QUESTION LOG (SEE ATTACHMENT), dated 7-23-2019.



## AMENDMENTS TO PROJECT MANUAL

Note that all references to the Project Title as "Platt Technical High School" within the Construction Documents shall be replaced with the following Project Title "**Additions and Renovations Platt Technical High School**". The scope of the Project remains as indicated on the contract documents; this Project Title revision is necessary to align the Title on the Documents with the DAS's official Project Title that was established at the inception of the Project.

#### **DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS**

ADD 1-001 SECTION 00 01 10 - TABLE OF CONTENTS Page 6, DELETE Section "12 71 10, Fixed Seating and Tables."

#### **DIVISION 12 – FURNISHINGS**

ADD 1-002 SECTION 12 61 13 – FIXED AUDIENCE SEATING

Page 1, Article 1.2, Paragraph A, Sub-Paragraph 1, ADD the following after the first sentence:

"Provide 9 (nine) seat and 2 (two) removable seats at Balcony, Room D224, as shown on drawing A1-1-2D."

ADD 1-003 SECTION 12 71 10 – FIXED SEATING AND TABLES DELETE this Specification Section in its entirety.

#### **DIVISION 13 – SPECIAL CONSTRUCTION**

#### ADD 1-004 SECTION 13 34 16.53 – TRANSPORTABLE BLEACHERS

Page 2, Article 2.3, Paragraph A, REPLACE paragraph with the following: "A. Quantity and Size: Provide the quantity of units indicated on the drawings. Size of units

shall be 5 rows high x 15-feet long."

- Page 2, Article 2.3, Paragraph I, ADD the following Subparagraph:
  - "2. Furnish one Transport Kit for each bleacher unit."

#### ADD 1-005 SECTION 13 34 16 – GRANDSTAND SEATING SYSTEM Page 4, Article 2.2, ADD Paragraph H per the following: "H. Vertical Closure System

- 1. Vertical closure shall be provided at the following locations and shall enclose the area from the walking surface to 4" above grade:
  - a. Front of grandstand
  - b. Field side of egress stair at front walkway
  - c. Field side of egress ramp
- 2. Vertical closure material shall be corrugated 6063-T6 extruded aluminum riser boards and shall be provided in a clear anodized finish."

#### **DIVISION 21 – FIRE SUPPRESSION**

ADD 1-006 Section 21 05 48 – VIBRATION & SEISMIC CONTROLS FOR FIRE-SUPP. PIPING & EQUIPMENT Page 1, 2, Articles 1.4 – D and 2: Expanded description of seismic certification analysis. Page 3, Articles 2.1 – B: Add Novia as an acceptable manufacturer.

#### **DIVISION 22 – PLUMBING**

ADD 1-007Section 22 05 48 - VIBRATION & SEISMIC CONTROLS FOR PLUMBING PIPING & EQUIPMENT<br/>Page 1,2,3 Articles 1.1, 1.4, 1.8-2 -2: Delete.<br/>Page 7, Articles 2.1 - A: Add Novia as an acceptable manufacturer.ADD 1-008Section 22 11 23 - FACILITY NATURAL GAS PIPING<br/>REPLACE this Section in its entirety with the attached revised Section.

ADD 1-009 Section 22 15 00 – GENERAL SERVICE COMPRESSED AIR SYSTEMS

 Page 2, Articles 1.2 – B 1: delete: ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.

#### ADD 1-010 Section 22 15 00 – GENERAL SERVICE COMPRESSED AIR SYSTEMS

- **1.** Page 4, Articles 2.1 A.2: delete: Tee Connections: Mechanically extracted collars with notched and dimpled branch tube or Mechanical T.
- 2. Page 4, Articles 2.1 A.3: delete: or grooved.
- **3.** Page 4, Articles 2.2 A.4: delete: Stainless Steel Piping: 300 psig, threaded type with compression type ends.

#### **DIVISION 23 – HEATING VENTILATION AND AIR CONDITIONING**

- ADD 1-011Section 23 05 16 EXPANSION FITTINGS AND LOOPS FOR HVAC PIPINGPage 3, Articles 2.1 A and 2.2 A: Add Novia as an acceptable manufacturer.Page 4, Article 2.3 A: Add Novia as an acceptable manufacturer.
- ADD 1-012 Section 23 09 23 DIGITAL DIRECT CONTROL SYSTEM FOR HVAC Page 20, Article 2.9 – I: At CO/NO2 description add subparagraph 7. Provide to sign adjacent to panel and alarm output "CARBON MONOXIDE / NITROGEN DIOXIDE ALARM PANEL".
- ADD 1-013Section 23 11 13 FACILITY FUEL OIL PIPINGPage 6, Article 2.12 A: Revise UL listing from UL-58 to UL-142 and delete reference to 30-year<br/>warranty. Standard warranty for the project shall apply.
- ADD 1-014Section 23 34 00 HVAC FANS AND DUST COLLECTORSPage 7, Article 2.8 B: Revise RHD-CA1 to be 5'x3'6" neck size; 6 tier.Page 9, Article 11: Dust Collection System DC-2 shall be served by spark detection and<br/>extinguishment system; same specification as DC-2.
- ADD 1-015 Section 23 51 00 BREECHINGS, CHIMNEYS AND STACKS Page 1, Articles 1.1 – A: Revise subparagraph 5 to read: Breeching and vents and induced draft fans for appliances and equipment at the Plumbing Shop and HVAC Shop. Page 3, Article 2,2: Delete reference to IDF-1 and add reference to IDF-2. Page 4, Article 2,3: Delete reference to IDF-2 and add reference to IDF-1. Page 7, Article 2,7 - E: Add note to provide balancing dampers at each branch to individual appliances.



#### **AMENDMENTS TO DRAWINGS**

Note that all references to the Project Title as "Platt Technical High School" within the Construction Documents shall be replaced with the following Project Title "Additions and Renovations Platt Technical High School". The scope of the Project remains as indicated on the contract documents; this Project Title revision is necessary to align the Title on the Documents with the DAS's official Project Title that was established at the inception of the Project.

#### ARCHITECTURAL

 ADD 1-016 A6-3-20 – TRANSLUCENT WALL PANEL AND LOUVER DETAILS Detail 1: Revise Pre-cast sill profile at Translucent Wall Panel Sill Detail. Refer to sketch RA1-02.
 ADD 1-017 A7-1-7 – STAIR DETAILS Detail 7. Added code requirements for nosing projection at Typical Tread and Riser Detail. Refer to sketch RA1-01.

#### **STRUCTURAL**

ADD 1-018 DRAWING S0-0-1 – GENERAL NOTES Revised Components and Cladding Design Wind Pressures (PSF) chart to show two charts. One for Unfactored ASCE 7 Loads and one for Magnified Loads for Use with FM 1-28 Designs. Refer to revision tag RS1/1.

#### **FIRE PROTECTION**

- ADD 1-019 DRAWING FP1-1-1E FIRST FLOOR FIRE PROTECTION PLAN AREA E Added second nozzle for suppression system, RFP1-1. Revise note related to dust collection suppression system, RFP1-2.
- ADD 1-020 DRAWING FP1-1-2B SECOND FLOOR FIRE PROTECTION PLAN AREA B Added sprinklers below ductwork in Mechanical Room B201, RFP1-3.
- ADD 1-021 DRAWING FP1-1-3C CLEARSTORY FLOOR FIRE PROTECTION PLAN AREA C Expanded note for sprinklers below ductwork, RFP1-4.
- ADD 1-022 DRAWING FP1-1-MB MEZZANINE FIRE PROTECTION PLAN AREA B Added sprinklers below ductwork/louver in main mechanical Room, RFP1-5. Added sprinklers below ductwork at two mezzanine locations, RFP1-6.
- ADD 1-023DRAWING FP1-1-ME MEZZANINE FIRE PROTECTION PLAN AREA E<br/>Revised layout for sprinklers protecting dust collection ducts, RFP1-7.<br/>Added sprinklers below ductwork at two mezzanine locations VOC Mezzanine M108, RFP1-8.<br/>Added sprinklers below ductwork at two mezzanine locations VOC Mezzanine M107, RFP1-9.<br/>Added sprinklers below ductwork at two mezzanine locations VOC Mezzanine M105, RFP1-10.<br/>Added sprinklers below ductwork at two mezzanine locations VOC Mezzanine M104, RFP1-11.

ADD 1-024	DRAWING FP2-1-1 – FIRE PROTECTION ABBREVIATIONS AND LEGENDS
	Revised notes 4,5,6,7,8 in Sprinkler system notes, RFP1-12.

# **PLUMBING**

ADD 1-025	DRAWING P1-1-UB – UNDERSLAB PLUMBING PLAN – AREA B Added FS-1 at equipment #22, RP1-1.
ADD 1-026	DRAWING P1-1-1B – FIRST FLOOR PLUMBING PLAN – AREA B Added FS-1 at equipment #22, RP1-1.
ADD 1-027	DRAWING P1-1-1E – FIRST FLOOR PLUMBING PLAN – AREA E Added note for clearance at propane tank, RP1-2.
ADD 1-028	DRAWING P1-1-2C – SECOND FLOOR PLUMBING PLAN – AREA C Mechanical equipment hidden for clarity, RP1-3.
ADD 1-029	<b>DRAWING P2-1-1 – KITCHEN PLUMBING PARTIAL PLAN</b> Added FS-1 at equipment #22, RP1-1. Revised kitchen equipment schedule, RP1-4.
ADD 1-030	<b>DRAWING P2-1-2 – CLASSROOM BAKERY PLUMBING PARTIAL PLAN</b> Revised kitchen equipment schedule, RP1-5.
ADD 1-031	<b>DRAWING P3-1-2 –PLUMBING SCHEDULES</b> Revised model #s and notes in fixture schedule, RP1-6.
ADD 1-032	<b>DRAWING P4-1-1 – PLUMBING DETAILS</b> Revised detail #9 to above ground tank, RP1-7.
ADD 1-033	<b>DRAWING P4-1-3 –PLUMBING DETAILS</b> Added additional sizes to detail #5, RP1-8. Revised valve location and notes to detail #6, RP1-9. Revised notes to detail #7, RP1-10.
MECHANICAL	
ADD 1-034	<b>DRAWING M1-1-1A – FIRST FLOOR MECHANICAL PLAN – AREA A</b> Revise louver size and plenum per Revision RM1-1. Revise louver size and plenum per Revision RM1-2.
ADD 1-035	<b>DRAWING M1-1-1E – FIRST FLOOR MECHANICAL PLAN – AREA E</b> Change reference from IDF-2 to IDF-1 and associated changes per Revision RM1-3. Add reference to Equipment Drawings per Revision RM1-4. Update note at HVAC Shop per Revision RM1-5.
ADD 1-036	<b>DRAWING M1-1-ME – MEZZANINE MECHANICAL PLAN – AREA E</b> Add spark detection system and revise ductwork layout per Revision RM1-6.
ADD 1-037	DRAWING M1-2-1E – ROOF MECHANICAL PLAN – AREA E Revise ductwork layout per Revision RM1-7.



ADD 1-038	DRAWING M2-1-1B – FIRST FLOOR MECHANICAL PIPING PLAN – AREA B Add butterfly valves to chilled water piping per Revision RM1-8. Revise pipe layout and add valves per Revision RM1-9.
ADD 1-039	DRAWING M2-1-1E – FIRST FLOOR MECHANICAL PIPING PLAN – AREA E Add DC-1 spark detection panel per Revision RM1-10.
ADD 1-040	<b>DRAWING M2-1-2D – SECOND FLOOR MECHANICAL PIPING PLAN – AREA D</b> Revise type of radiation at two Science Labs from R1 to R2 per Revision RM1-11.
ADD 1-041	<b>DRAWING M2-3-1A – MECHANICAL PARTIAL PLAN</b> Add butterfly valve to chilled water piping per Revision RM1-12. Revise tags indicating what the temperature sensors serve per Revision RM1-13. Revise tags indicating the designation of the type of chilled water piping per Revision RM1-14. Add note at cooling tower per Revision RM1-15.
ADD 1-042	<ul> <li>DRAWING M2-3-1C –MECHANICAL PENTHOUSE PARTIAL PLAN</li> <li>Revise louver sizes and plenums per Revision RM1-16.</li> <li>Add tag for AHU-4 per Revision RM1-16.</li> <li>Add note for 24x12 RA per Revision RM1-16.</li> <li>Revise location of EF-A and EF-V2 and layout of associated ductwork. Revise louver sizes and plenums per Revision RM1-16.</li> <li>Add note regarding OA intakes per Revision RM1-16.</li> <li>Revise layout of chilled water and hot water mains at AHU-4 and AHU-6 per Revision RM1-16.</li> </ul>
ADD 1-043	<b>DRAWING M3-1-2 –MECHANICAL SCHEDULES</b> Revise Remark #2 regarding drain pans per Revision RM1-17. Revise reference to Note #2 to proper designation per Revision RM1-18. Update data at Wrap Around Heat Pipe Schedule per Revision RM1-19.
ADD 1-044	DRAWING M3-1-3 –MECHANICAL SCHEDULES Update data at Induced Draft Fan Schedule per Revision RM1-20.
ADD 1-045	DRAWING M5-1-4 –MECHANICAL CONTROLS Revise Detail #17 per Revision RM1-21.
ELECTRICAL	
ADD 1-046	<b>DRAWING 2-1-1E – FIRST FLOOR ELECTRICAL POWER PLAN AREA E</b> Revised PP1-1 to a 3-section panel and shifted electrical room layout for clearances per Revision RE1-1.
ADD 1-047	<b>DRAWING 2-1-2E – SECOND FLOOR ELECTRICAL POWER PLAN AREA E</b> Revised PP3-2 & MEP3-2 to a 3-section panel and shifted electrical room layout for clearances per Revision RE1-2. Revised PP2-2 to a 3-section panel and shifted electrical room layout for clearances per Revision RE1-3.
ADD 1-048	DRAWING 2-2-1C – ROOF ELEC. POWER AND PENTHOUSE ELEC. POWER AND LIGHTING PLANS AREA C

Added equipment tags per Revision RE1-4.

DRA

ADD 1-049	<b>DRAWING 6-1-1– ELECTRICAL DETAILS</b> Revised elevator machine space detail for new circuit homerun per Revision RE1-5.
ADD 1-050	<b>DRAWING 7-1-2 – ELECTRICAL RISER DIAGRAM</b> Revised 1000A circuit breaker feeding T-LDSB-1 to have GFCI protection per Revision RE1-6. Revised PP2-2 to be a 3-section panel with 250A main circuit breaker. T-PP2-2 was upsized to a T6 transformer and the feeder and disconnect have been upsized as well as the breaker feeding the disconnect from DSB-1 per Revision RE1-7. Moved note for elevator conduit from MEP3-2 to EPDP-2 per Revision RE1-8.
ADD 1-051	<b>DRAWING 7-1-3 – ELECTRICAL RISER DIAGRAM SCHEDULES &amp; DETAILS</b> Updated transformer schedule per Revision RE1-9. Changed feeder tags for 3000A feeder per Revision RE1-10.
ADD 1-052	<b>DRAWING 8-1-1 – ELECTRICAL PANELBOARDS</b> Added 30A-3P circuit breaker in panelboard EPDP-2 for elevator controller and added note in panelboard EPDP-2 for shunt-trip circuit breaker with auxiliary contacts per Revision RE1-11.
ADD 1-053	<b>DRAWING 8-1-2 – ELECTRICAL PANELBAORDS</b> Added 20A-1P circuit breaker in panelboard EP3-2 for elevator shunt-trip control per Revision RE1-12.
ADD 1-054	<b>DRAWING 8-1-3 – ELECTRICAL PANELBOARDS</b> Revised panelboard PP2-2 to 250A bus rating and 250A main circuit breaker per Revision RE1-13. Removed elevator shunt trip control circuit from panelboard PP3-2 and added a spare per Revision RE1-14.
ADD 1-055	<b>DRAWING 8-1-5 – ELECTRICAL PANELBOARDS</b> Removed 30A-3P circuit breaker for elevator controller from panelboard MEP3-2 and removed note in panelboard MEP3-2 to provide shunt-trip with auxiliary contacts per Revision RE1-15.
<u>EQUIPMENT</u>	
ADD 1-056	<b>EQ-2.4 - HVAC</b> Propane tank shall be 10' away from pad.
FOOD SERVICE	
ADD 1-057	FS-2 – CULINARY ARTS EQUIPMENT SCHEDULE Add language of "Side Splashes" to CA-03, per request of Board of Health.
ADD 1-058	<b>FS-2 – CULINARY ARTS EQUIPMENT SCHEDULE</b> Add item CA-67, Pot & Pan Rack, per request of Board of Health. Four (4) Required.
ADD 1-059	<b>FS-1 – CULINARY ARTS EQUIPMENT PLAN</b> Add item CA-67, Pot & Pan Rack, per request of Board of Health.
ADD 1-060	FS-1 – CULINARY ARTS EQUIPMENT PLAN Add item CA-90, Add label "Hand Sink", per request of Board of Health.
ADD 1-061	<b>FS-4– MAIN KITCHEN &amp; SERVERY EQUIPMENT PLAN</b> Add item CA-67, Pot & Pan Rack, per request of Board of Health.
	END OF ADDENDUM NO. 1



#### PART 1 GENERAL

#### 1.1 RELATED DOCUMENTS

**A.** Each Contractor, Subcontractor and/or supplier providing goods or services referenced in or related to this Section shall also be bound by the Documents identified in Division 01 Section "Summary", Paragraph 1.1A, entitled "Related Documents."

#### 1.2 HIGH PERFORMANCE BUILDINGS GENERAL REQUIREMENTS

- A. Implement practices and procedures to meet the project's environmental goals, which include compliance with Connecticut Standard Guidelines Compliance Manual for High Performance Buildings, September 2011 with additional mandatory building project requirements for schools. Specific project goals which may impact this and the other sections of this specification include: use of recycled-content materials; use of locally-manufactured materials; use of low-emitting materials; use of certified wood products; construction waste recycling; and the implementation of a construction indoor air quality management plan. Ensure that the requirements related to these goals, as defined in this Section and other Sections of the contract documents, are implemented to the fullest extent. Substitutions or other changes to the work shall not be allowed if such changes substantially compromise the stated High Performance Building criteria.
- **B.** Comply with Connecticut Standard Guidelines Compliance Manual for High Performance Buildings, September 2011 with additional mandatory building project requirements for schools and the Department of Administrative Services / Office of School Construction Grants High Performance School Construction Bulletin, September 2015.

#### 1.3 ROOM NUMBERING REQUIREMENTS

**A.** All system programming and labeling utilizing room numbers shall follow the room numbering plans provided by the Architect. Room numbers shown on contract documents for individual trades are not to be considered final numbers and shall not be utilized.

#### 1.4 SUMMARY

- A. Section Includes:
  - **1.** Natural gas piping buried within 5 feet of building.
  - 2. Natural gas piping above grade.
  - **3.** Unions and flanges.
  - 4. Valves.
  - 5. Energy Meter.
  - 6. Pipe hangers and supports.
  - 7. Strainers.
  - 8. Natural gas pressure regulators.
  - **9.** Natural gas pressure relief valves.
  - **10.** Underground pipe markers.
  - **11.** Bedding and cover materials.
- B. Related Sections:
  - 1. Section 07 90 00 Joint Protection: Product requirements for calking between fixtures and building components for placement by this section.
  - 2. Section 22 04 00 General Conditions for Plumbing Trades
  - 3. Section 22 05 00 Common Work Results for Plumbing.
  - 4. Section 22 05 03 Pipes and Tubes for Plumbing Piping and Equipment.
  - 5. Section 22 05 13 Common Motor Requirements for Plumbing Equipment
  - 6. Section 22 05 16 Expansion Fittings and Loops for Plumbing Piping.
  - 7. Section 22 05 23 General-Duty Valves for Plumbing Piping.
  - 8. Section 22 05 29 Hangers and Supports for Plumbing Piping and Equipment

- 9. Section 22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment
- **10.** Section 22 05 53 Identification for Plumbing Piping and Equipment.
- **11.** Section 22 05 79 Hangers and Supports for Plumbing Piping and Equipment.
- **12.** Section 22 07 00 Plumbing Insulation.
- **13.** Section 22 11 23 Facility Natural-Gas Piping.
- **14.** Section 22 15 00 General Service Compressed-Air Systems.
- **15.** Section 22 21 23 Plumbing Pumps.
- **16.** Section 22 34 00 Fuel-Fired Domestic Water Heaters.
- 17. Section 22 40 00 Plumbing Fixtures
- **18.** Section 26 05 03 Equipment Wiring Connections: Execution requirements for electric connections to sensor valves and faucets specified by this section.

#### 1.5 REFERENCES

- **A.** American National Standards Institute:
  - 1. ANSI Z21.15 Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves.
- **B.** American Society of Mechanical Engineers:
  - **1.** ASME B16.3 Malleable Iron Threaded Fittings.
  - 2. ASME B16.26 Cast Copper Alloy Fittings for Flared Copper Tubes.
  - **3.** ASME B16.33 Manually Operated Metallic Gas Valves for Use in Gas Piping Systems Up to 125 psig (sizes 1/2 2).
  - 4. ASME B31.9 Building Services Piping.
  - 5. ASME Section IX Boiler and Pressure Vessel Code Welding and Brazing Qualifications.
- **C.** ASTM International:
  - 1. ASTM A53/A53M Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
  - 2. ASTM A234/A234M Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service.
  - 3. ASTM B88 Standard Specification for Seamless Copper Water Tube.
  - **4.** ASTM B280 Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service.
  - 5. ASTM B749 Standard Specification for Lead and Lead Alloy Strip, Sheet, and Plate Products.
  - 6. ASTM F708 Standard Practice for Design and Installation of Rigid Pipe Hangers.
- **D.** American Welding Society:
  - 1. AWS D1.1 Structural Welding Code Steel.
- E. American Water Works Association:
  - **1.** AWWA C105 American National Standard for Polyethylene Encasement for Ductile-Iron Pipe Systems.
- F. Manufacturers Standardization Society of the Valve and Fittings Industry:
  - 1. MSS SP 58 Pipe Hangers and Supports Materials, Design and Manufacturer.
  - 2. MSS SP 67 Butterfly Valves.
  - 3. MSS SP 69 Pipe Hangers and Supports Selection and Application.
  - 4. MSS SP 78 Cast Iron Plug Valves, Flanged and Threaded Ends.
  - 5. MSS SP 89 Pipe Hangers and Supports Fabrication and Installation Practices.
  - 6. MSS SP 110 Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends.
- **G.** National Fire Protection Association:
  - **1.** NFPA 54 National Fuel Gas Code.
- H. Underwriters Laboratories Inc.:
  - 1. UL 842 Valves for Flammable Fluids.
- I. ICC Codes
  - 1. International Fuel Gas Code 2015.

#### 1.6 SYSTEM DESCRIPTION

- **A.** Where more than one piping system material is specified, provide compatible system components and joints. Use non-conducting dielectric connections when joining dissimilar metals in systems.
- **B.** Provide flanges, unions, or couplings at locations requiring servicing. Use unions, flanges, or couplings downstream of valves and at equipment connections. Do not use direct welded or threaded connections to valves, equipment.
- **C.** Provide pipe hangers and supports in accordance with ASME B31.9, ASTM F708, MSS SP 58, MSS SP 69, and MSS SP 89.
- **D.** Use plug, valves for shut-off and to isolate equipment, part of systems, or vertical risers.

#### 1.7 SUBMITTALS

- A. Section 01 33 00 Submittal Procedures: Submittal procedures.
- **B.** Product Data:
  - **1.** Piping: Submit data on pipe materials, fittings, and accessories. Submit manufacturers catalog information.
  - 2. Valves: Submit manufacturers catalog information with valve data and ratings for each service.
  - 3. Hangers and Supports: Submit manufacturers catalog information including load capacity.
  - 4. Piping Specialties: Submit manufacturers catalog information including capacity, rough-in requirements, and service sizes for the following:
    - Strainers.

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- **b.** Natural gas pressure regulators.
- **c.** Natural gas pressure relief valves.
- **C.** Design Data: Indicate pipe size. Indicate load carrying capacity of trapeze, multiple pipe, and riser support hangers.
- **D.** Test Reports: Indicate results of piping system pressure test.
- E. Manufacturer's Certificate: Certify Products meet or exceed specified requirements
- **F.** Welders Certificates: Certify welders employed on the Work, verifying AWS qualification within previous 12 months.
- **G.** High Performance Building Submittal Requirements: The contractor or subcontractor shall submit the following High Performance Building certification items:
  - 1. A Connecticut High Performance Building Compliance letter shall be provided verifying agreement with relevant High Performance requirements. Information to be supplied includes, but is not limited to:
    - **a.** The percentage by weight of recycled content in the product(s). Identify postconsumer and/or pre-consumer recycled content.
    - **b.** The manufacturing location for the product(s); and the location (source) of the raw materials used to manufacture the product(s).
    - c. Provide material costs for the materials included in the contractor's or subcontractor's work. Material cost does not include costs associated with labor and equipment.
  - **2.** Letters of Certification, provided from the product manufacturer on the manufacturer's letterhead, to verify the amount of recycled content.

- **3.** Product Cut Sheets for all materials of this Section that meet High Performance Building Requirements.
- 4. Material Safety Data Sheets (MSDS), for all applicable products. Applicable products include, but are not limited to adhesives, sealants, carpets, paints and coatings applied on the interior of the building. MSDS shall indicate the Volatile Organic Compound (VOC) limits of products submitted (If an MSDS does not include a product's VOC content, then product data sheets, manufacturer literature, or a letter of certification from the manufacturer can be submitted in addition to the MSDS to indicate the VOC content).

#### 1.8 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 Execution and Closeout Requirements: Closeout procedures.
- **B.** Project Record Documents: Record actual locations of valves piping system, and system components.
- **C.** Operation and Maintenance Data: Submit for valves and gas pressure regulators installation instructions, spare parts lists, and exploded assembly views.

#### 1.9 QUALITY ASSURANCE

- A. Perform natural gas Work in accordance with NFPA 54.
- B. Perform work in accordance with NFPA 54, Fuel Gas Code and local gas company requirements.
- **C.** Perform Work in accordance with ASME B31.9 code for installation of piping systems and ASME Section IX for welding materials and procedures.
- **D.** Perform Work in accordance with applicable code authority having jurisdiction AWS D1.1 for welding hanger and support attachments to building structure.
- E. Furnish shutoff valves complying with ASME B16.33 or ANSI Z21.15.
- **F.** Maintain one copy of each document on site.
- **G.** High Performance Building Requirements:
  - **1.** Adhesives, sealants, paints or coatings used for work in this section for interior applications shall meet the requirements of Division 1, Section 018113: "Volatile Organic Compound (VOC) Limits for Adhesives, Sealants, Paints and Coatings", where applicable.
  - 2. Materials manufactured within a radius of 500 miles from the project site where all or a portion of the raw resources also originate within a radius of 500 miles shall be documented in accordance with the High Performance Building Requirements of this Section.
  - **3.** Materials that contain recycled content shall be documented in accordance with the High Performance Building Requirements of this Section.

#### 1.10 QUALIFICATIONS

- **A.** Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- **B.** Installer: Company specializing in performing Work of this section with minimum three years documented experience.
- **C.** Design piping system hangers and supports under direct supervision of Professional Engineer experienced in design of this Work and licensed at Project location

#### 1.11 PRE-INSTALLATION MEETINGS

- A. Section 01 30 00 Administrative Requirements: Pre-installation meeting.
- B. Convene minimum one week prior to commencing work of this section.

#### 1.12 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 Product Requirements: Product storage and handling requirements.
- B. Accept valves on site in shipping containers with labeling in place. Inspect for damage.
- **C.** Protect piping and fittings from soil and debris with temporary end caps and closures. Maintain in place until installation. Furnish temporary protective coating on cast iron and steel valves.

#### 1.13 ENVIRONMENTAL REQUIREMENTS

- A. Section 01 60 00 Product Requirements.
- **B.** Do not install underground piping when bedding is wet or frozen.

#### 1.14 FIELD MEASUREMENTS

**A.** Verify field measurements prior to fabrication.

#### 1.15 COORDINATION

A. Section 01 30 00 - Administrative Requirements: Requirements for coordination.

#### 1.16 WARRANTY

- A. Section 01 70 00 Execution and Closeout Requirements: Product warranties and product bonds.
- **B.** Furnish five year manufacturer warranty for valves excluding packing.

#### 1.17 EXTRA MATERIALS

- A. Section 01 78 30 Warranties and Bonds: Spare parts and maintenance products.
- **B.** Furnish two packing kits for each type and size valve.

#### **PART 2 PRODUCTS**

#### 2.1 NATURAL GAS and PROPANE PIPING, BURIED WITHIN 5 FEET OF BUILDING

- A. Steel Pipe: ASTM A53/A53M Schedule 40 black.
  - **1.** Fittings: ASTM A234/A234M forged steel welding type.
  - 2. Joints: ASME B31.9, welded.
  - **3.** Jacket: AWWA C105 polyethylene jacket or double layer, half-lapped 10 mil polyethylene tape.

#### 2.2 NATURAL GAS and PROPANE PIPING, ABOVE GRADE

- A. Steel Pipe: ASTM A53/A53M Schedule 40 black.
  - 1. Fittings: ASME B16.3, malleable iron, or ASTM A234/A234M forged steel welding type.
  - 2. Joints: Threaded for pipe 2 inch and smaller; welded for pipe 2-1/2 inches and larger.

#### 2.3 NATURAL GAS and PROPANE EQUIPMENT PIPING CONNECTION, ABOVE GRADE

A. Corrugated Stainless Steel Tubing: ANSI LC 1.

#### 2.4 REGULATOR VENT PIPING, ABOVE GRADE

**A.** Indoors: Same as natural gas piping, above grade.

#### 2.5 UNIONS AND FLANGES

- **A.** Unions for Pipe 2 inches and Smaller:
  - **1.** Ferrous Piping: Class 150, malleable iron, threaded.
  - **2.** Dielectric Connections: Union with galvanized or plated steel threaded end, copper solder end, water impervious isolation barrier.
- **B.** Flanges for Pipe 2-1/2 inches and Larger:
  - 1. Ferrous Piping: Class 150, forged steel, slip-on flanges.
  - 2. Gaskets: 1/16 inch thick preformed neoprene gaskets.

#### 2.6 PLUG VALVES

- A. Manufacturers:
  - **1.** DeZURIK, Unit of SPX Corp.
  - **2.** Flow Control Equipment, Inc.
  - 3. Homestead Valve
  - 4. Substitutions: Section 01 60 00 Product Requirements.
- **B.** 2 inches and Smaller: MSS SP 78, Class 300, semi-steel construction, round port, full pipe area, and pressure lubricated, teflon packing, threaded ends. Furnish one plug valve wrench for every ten plug-valves with minimum of one wrench.
- **C.** 2-1/2 inches and Larger: MSS SP 78, Class 300, semi-steel construction, round port, full pipe area, and pressure lubricated, teflon packing, flanged ends. Furnish wrench-operated.

#### 2.7 EMERGENCY GAS SOLENOID VALVE

- A. Manufacturers:
  - 1. Asco.
    - 2. DeZURIK, Unit of SPX Corp.
    - 3. Tufline.
- **B.** Die-cast aluminum body, Buna "N: seals and discs, 430F stainless steel core and plugnut, 305 stainless steel core tube, 320 stainless steel springs, copper shading coil, zinc plated steel plugs and threaded ends.
- **C.** Operator: Solenoid enclosure, red hat metal type 1 general purpose junction box.
- **D.** Zero differential, internal pilot-operated diaphragm valve incorporating a double disc arrangement.
- E. Electrical: Standard coil 120 volts, 60 Hz.

**F.** Gas valve shall be provided as a normally closed, power open type valve.

#### 2.8 STRAINERS

- A. Manufacturers:
  - 1. Mueller Steam Specialty
  - 2. Armstrong
  - **3.** Spirax Sarco, Inc.
  - 4. Yarway
  - 5. Substitutions: Section 01 60 00 Product Requirements.
- **B.** 2 inch and Smaller: Screwed brass or iron body for 175 psig working pressure, Y pattern with 1/32 inch stainless steel perforated screen.
- **C.** 2-1/2 inch to 4 inch: Flanged iron body for 175 psig working pressure, Y pattern with 3/64 inch stainless steel perforated screen.

#### 2.9 NATURAL GAS PRESSURE REGULATORS

- A. Manufacturers:
  - 1. Invensys
  - 2. Maxitrol
  - 3. Dormont
  - **4.** Substitutions: Section 01 60 00 Product Requirements.
- **B.** Product Description: Spring loaded, general purpose, self-operating service regulator including internal relief type diaphragm assembly and vent valve. Diaphragm case can be rotated 360 degrees in relation to body.
  - **1.** Comply with ANSI Z21.80.
  - 2. Temperatures: minus 20 degrees F to 150 degrees F.
  - 3. Body: Steel.
  - 4. Spring case, lower diaphragm casing, union ring, seat ring and disk holder: Aluminum.
  - 5. Disk, diaphragm, and O-ring: Nitrile
  - 6. Maximum inlet pressure: 150 psig.
  - 7. Furnish sizes 2 inches and smaller with threaded ends. Furnish sizes 2-1/2 inches and larger with flanged ends.

#### 2.10 NATURAL GAS PRESSURE RELIEF VALVES

- A. Manufacturers:
  - 1. Dresser
  - 2. Fisher
  - 3. Maxitrol
  - 4. Substitutions: Section 01 60 00 Product Requirements.
- **B.** Product Description: Spring loaded type relief valve.
  - 1. Body: Aluminum.
  - 2. Diaphragm: Nitrile
  - **3.** Orifice: Stainless steel.
  - **4.** Maximum operating temperature: 150 degrees F.
  - 5. Inlet Connections: Threaded.
  - **6.** Outlet or Vent Connection: Same size as inlet connection.

#### 2.11 NATURAL GAS ENERGY METER

- A. Manufacturers: Onicon Model F-5500 or approved equal.
- **B.** Construction: Flanged iron body for 150 psig working pressure and 316 stainless steel construction in contact with fluid. Provide with integral display and flow conditioner at inlet.

**C.** Output Signal: 4-20 milliamp for connection to Building Management Systems, in addition to RS485 interface.

#### 2.12 **PROPANE GAS PRESSURE REGULATORS**

- A. Manufacturers:
  - 1. Invensys
  - 2. Maxitrol
  - 3. Dormont
  - 4. Substitutions: Section 01 60 00 Product Requirements.
- **B.** Product Description: Spring loaded, general purpose, self-operating service regulator including internal relief type diaphragm assembly and vent valve. Diaphragm case can be rotated 360 degrees in relation to body.
  - **1.** Comply with ANSI Z21.80.
  - 2. Temperatures: minus 20 degrees F to 150 degrees F.
  - **3.** Body: Steel.
  - 4. Spring case, lower diaphragm casing, union ring, seat ring and disk holder: Aluminum.
  - 5. Disk, diaphragm, and O-ring: Nitrile
  - **6.** Maximum inlet pressure: 150 psig.
  - 7. Furnish sizes 2 inches and smaller with threaded ends. Furnish sizes 2-1/2 inches and larger with flanged ends.

#### 2.13 PROPANE GAS PRESSURE RELIEF VALVES

- A. Manufacturers:
  - 1. Dresser
  - 2. Fisher
  - 3. Maxitrol
  - 4. Substitutions: Section 01 60 00 Product Requirements.
- **B.** Product Description: Spring loaded type relief valve.
  - **1.** Body: Aluminum.
  - 2. Diaphragm: Nitrile
  - 3. Orifice: Stainless steel.
  - 4. Maximum operating temperature: 150 degrees F.
  - **5.** Inlet Connections: Threaded.
  - 6. Outlet or Vent Connection: Same size as inlet connection.

#### 2.14 PROPANE FUEL STORAGE TANKS

- A. Manufacturers:
  - 1. Highland
  - 2. Xerxes
  - 3. Safe-T-Tank
  - 4. Substitutions: Section 01 60 00 Product Requirements.
- **B.** Tank: UL listed and labeled, closed double wall type, welded steel, cleaned and coated with corrosion-resistant asphalt base paint, 500 gallon volume.
- **C.** Furnish tank with the following:
  - 1. Anchor & Hold down straps and attachments.
  - 2. Lifting lugs.
  - **3.** Fittings and taps for accessories.
  - **4.** 24 inch diameter manhole with 4 inch fittings in cover.
  - **5.** 4 inch shell wall service fitting.
  - **6.** 4 inch monitor fitting.
  - 7. Steel Reservoir with ASME rated corrosion resistant coating.

- **D.** Filler Cap: 3 inch watertight brass with lock , recessed box and cover.
- **E.** Gage: Remote reading, electronic, for two wire, 24 volt power, with wall mounted direct reading gage.
- **F.** Cathodic Protection: API 1632, Galvanic type with sacrificial magnesium anodes welded to tank to NACE RP-02-85 & to STI ACT-100.

#### **PART 3 EXECUTION**

#### 3.1 EXAMINATION

- **A.** 01300 Administrative Requirements: Coordination and project conditions.
- **B.** Verify excavations are to required grade, dry, and not over-excavated.

#### 3.2 PREPARATION

- **A.** Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.
- **B.** Remove scale and dirt, on inside and outside, before assembly.
- **C.** Prepare piping connections to equipment with flanges or unions.

#### 3.3 INSTALLATION - INSERTS

- **A.** Provide inserts for placement in concrete forms.
- **B.** Provide inserts for suspending hangers from reinforced concrete slabs and sides of reinforced concrete beams.
- **C.** Provide hooked rod to concrete reinforcement section for inserts carrying pipe 4 inches and larger.
- **D.** Where concrete slabs form finished ceiling, locate inserts flush with slab surface.
- **E.** Where inserts are omitted, drill through concrete slab from below and provide through-bolt with recessed square steel plate and nut flush with top of slab.

#### 3.4 INSTALLATION - PIPE HANGERS AND SUPPORTS

- A. Install hangers and supports in accordance with ASME B31.9 ASTM F708 and MSS SP 89.
- **B.** Support horizontal piping hangers as scheduled.
- **C.** Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work.
- D. Place hangers within 12 inches of each horizontal elbow.
- **E.** Install hangers to allow 1-1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
- F. Support vertical piping at every floor. Support riser piping independently of connected horizontal piping.
- **G.** Where installing several pipes in parallel and at same elevation, provide multiple pipe hangers or trapeze hangers.

- H. Provide sheet lead packing between hanger or support and piping.
- I. Prime coat exposed steel hangers and supports in accordance with Section 09 90 00. Finish paint exposed steel hangers and supports in accordance with Section 09 90 00. Hangers and supports located in crawl spaces, pipe shafts, and suspended ceiling spaces are not considered exposed.
- J. Provide clearance in hangers and from structure and other equipment for installation of insulation and access to valves and fittings.

#### 3.5 INSTALLATION - BURIED PIPING SYSTEMS

- **A.** Install natural gas piping in accordance with IFGC 2012.
- **B.** Remove scale and dirt on inside of piping before assembly.
- **C.** Excavate pipe trench in accordance with requirements in Division 31 specifications.
- **D.** Place bedding material at trench bottom to provide uniform bedding for piping, level bedding materials in one continuous layer not exceeding 4 inches compacted depth; compact to 95 percent maximum density.
- **E.** Install pipe on prepared bedding.
- **F.** Route pipe in straight line.
- **G.** Install pipe to allow for expansion and contraction without stressing pipe or joints.
- **H.** Install plastic ribbon tape continuous. Buried 6 inches below finish grade, above pipe line; coordinate with Division 31.
- I. Pipe Cover and Backfilling:
  - **1.** Backfill trench in accordance with Division 31
  - 2. Maintain optimum moisture content of fill material to attain required compaction density.
  - **3.** After hydrostatic test, evenly backfill entire trench width by hand placing backfill material and hand tamping in 6 inches compacted layers to 12 inches minimum cover over top of jacket. Compact to 95 percent maximum density.
  - 4. Evenly and continuously backfill remaining trench depth in uniform layers with backfill material.
  - 5. Do not use wheeled or tracked vehicles for tamping.
- J. Piping buried below floor slabs shall be installed within a secondary conduit. Buried piping shall be continuous without any fittings or joints installed below the slab. Where the pipe originates and terminates within the same building, the conduit shall originate and terminate in an accessible portion of the building and shall not be sealed. The conduit shall extend not less than 2 inches (51mm) beyond the point where the pipe emerges from the floor.

#### 3.6 INSTALLATION - ABOVE GROUND PIPING SYSTEMS

- **A.** Install natural gas piping in accordance with NFPA 54.
- **B.** Provide non-conducting dielectric connections wherever jointing dissimilar metals.
- **C.** Route piping in orderly manner and maintain gradient.
- **D.** Where required, bend pipe with pipe bending tools in accordance with procedures intended for that purpose.
- E. Install piping to conserve building space and not interfere with use of space.

- **F.** Size and install gas piping to provide sufficient gas to supply maximum appliance demand at pressure higher than appliance minimum inlet pressure.
- **G.** Group piping whenever practical at common elevations.
- **H.** Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.
- I. Sleeve pipe passing through partitions, walls and floors. Refer to Section 23 05 29.
- J. Install firestopping at fire rated construction perimeters and openings containing penetrating sleeves and piping. Refer to Section 07 84 00 23 05 29
- K. Provide clearance for installation of insulation and access to valves and fittings.
- L. Provide access where valves and fittings are not exposed. Coordinate size and location of access doors with Section 08 31 13.
- **M.** Where pipe support members are welded to structural building framing, scrape, brush clean, weld, and apply one coat of zinc rich primer. Refer to Section 05 12 00, 05 21 00.
- **N.** Provide support for utility meters in accordance with requirements of utility company.
- **O.** Install vent piping from gas pressure reducing valves to outdoors and terminate in weatherproof hood. Protect vent against entry of insects and foreign material.
  - 1. Minimum Vent Size: Connection size at regulator vent connection.
  - 2. Run individual vent line from each relief device, independent of breather vents.
  - **3.** Maintain minimum of 25' (feet) from outdoor air intakes.
- **P.** Prepare pipe, fittings, supports, and accessories not pre-finished, ready for finish painting. Refer to Section 09 90 00.
- **Q.** Piping installed at the building exterior shall be primed and painted, or otherwise protected as required by NFPA 54 and IFGC.
- **R.** Install identification on piping systems including underground piping. Refer to Section 22 05 53.
- **S.** Install valves with stems upright or horizontal, not inverted.
- **T.** Protect piping systems from entry of foreign materials by temporary covers, completing sections of the Work, and isolating parts of completed system.
- U. Install medium pressure gas pressure regulator with tee fitting between regulator and upstream shutoff valve. Cap or plug one opening of tee fitting.
- V. Install medium pressure gas pressure regulator with tee fitting not less than 10 pipe diameters down stream of regulator. Cap or plug one opening of tee fitting.
- **W.** Install gas pressure regulator with independent vent full size opening on regulator and terminate above roof with weatherproof gooseneck.
- X. Provide new gas service complete with gas meter and regulators. Gas service distribution piping to have initial minimum pressure of 2 psi. Provide regulators on each line serving gravity type appliances, sized in accordance with equipment. Provide source valve to shut down entire service at meter assembly.
- Y. The plumbing contractor shall furnish and install an adequate natural gas supply to all gas fired appliances and devices throughout the project. In addition to the specifications and drawings included in

Division 22, the plumbing contractor shall also review the contract documents prepared by the site/civil, food service and architectural /structural disciplines for coordination and additional work by the plumbing contractor required to complete the project.

- Z. Terminate pressure regulator relief vent lines as required by the utility provider.
- AA. Gas solenoid valves shall be installed within 12"x12"x6" deep lockable steel enclosure.

#### 3.7 INSTALLATION – PROPANE STORAGE TANKS

- **A.** Install tanks in accordance with API 1615, PEI 100, and NFPA 58.
- **B.** Check factory installed equipment and accessories for loosening during transit.
- **C.** Clean and flush tanks prior to delivery to site. Seal until pipe connections are made.
- **D.** Seal unused tank openings using threaded pipe plugs, flanges, or caps.
- E. Tank Accessories:
  - 1. Install tank accessories shipped loose with tank.
  - **2.** Install the following tank accessories: anti-siphon devices, overfill shutoff and alarms, vents, gages, emergency vents.
- **F.** Do not bed on timbers, beams, or cradles.
- **G.** Adjust liquid level gages before initial start-up and after filling of tank.
- **H.** Fill tanks completely at Project turnover with appropriate fuel.

#### 3.8 FIELD QUALITY CONTROL

- **A.** Section 01 40 00 Quality Requirements 01 70 00 Execution and Closeout Requirements: Field inspecting, testing, adjusting, and balancing.
- **B.** Where gas appliance will be damaged by test pressure, disconnect appliance and cap piping during pressure test. Reconnect appliance after pressure test and leak test connection.
- **C.** Where gas appliance is designed for operating pressures equal to or greater than piping test pressure, provide gas valve to isolate appliance or equipment from gas test pressure.
- **D.** Pressure test natural gas piping in accordance with NFPA 54.
- E. Inspect, test and purge gas piping in accordance with applicable code and local gas company requirements. Where new branch piping is extended from existing system, pressure test new branch piping only. Leak test joint between new and existing piping with noncorrosive leak detection fluid or other approved method.
- F. When pressure tests do not meet specified requirements, remove defective work, replace and retest.
- **G.** Immediately after gas is applied to a new system, or a system has been restored after gas service interruption, check pipe for leakage.
  - 1. Where leakage is detected, shut off gas supply until necessary repairs are complete.
- H. Do not place appliances in service until leak testing and repairs are complete.
- I. Pressure test tanks in accordance with NFPA 58.

END OF SECTION 22 11 23





STRUCTURAL GENERAL NOTES	
A. GENERAL	E. STEEL
<ol> <li>SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND DETAILS. ALSO, SEE SPECIFICATIONS.</li> </ol>	1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE A SPECIFICATIONS FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
2. THE STRUCTURE HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE CONSTRUCTION OF THE BUILDING HAS BEEN COMPLETED. THE STABILITY OF THE STRUCTURE PRIOR TO TOTAL COMPLETION IS SOLELY THE	2. ALL JOISTS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE STE JOIST INSTITUTE AND THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
RESPONSIBILITY OF THE CONTRACTOR. JOBSITE SAFETY AND CONSTRUCTION PROCEDURES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. LACK OF COMMENT BY THE ENGINEER IS NOT TO BE INTERPRETED AS APPROVAL	3. FABRICATE AND ERECT ALL BEAMS WITH MILL CAMBER UP.
OF THOSE ASPECTS OF WORK.	4. PROVIDE WEB STIFFENER PLATES FOR BEAMS CONTINOUS OVER COLUMNS OR BELOW SUPPORTED COLUMNS.
<ol> <li>SPECIAL LOADS: ALL CONTRACTOR SHALL MAKE PROVISIONS FOR TEMPORARY CONSTRUCTION LOADS WHICH WILL OCCUR DURING THE ERECTION OF THE BUILDING.</li> </ol>	5. OPEN WEB STEEL JOISTS OCCURING AT COLUMNS SHALL HAVE BOTTOM CHORD EXTENDED AND ATTACHED TO COLUMNS.
B. DESIGN ALLOWABLE PRESUMPTIVE SOIL BEARING PRESSURE: 2 TONS/SF	<ol> <li>PROVIDE TWO L2 x 2 x 3/16" ADDITIONAL WEB MEMBERS FROM TOP CHORD TO BOTTOM CHORD PANEL POINTS OF JOIS WHERE CONCENTRATED LOADS FALL BETWEEN TOP CHORD PANEL POINTS.</li> </ol>
DESIGN STRESSES AND MATERIAL:A)CONCRETE (28-DAY STRENGTH, NORMAL WEIGHT)3,000 PSI MINIMUM - VARIESB)REINFORCED STEELASTM A-615 FY=60 KSIC)WELDED WIREASTM A-185 FY=60 KSID)STRUCTURAL STEELASTM A-36 FY=36 KSIE)STRUCTURAL WIDE FLANGESASTM A-36 FY=36 KSIF)STRUCTURAL STEEL PIPESASTM A-33 GRADE B FY=35 KSIG)STRUCTURAL STEEL TUBESASTM A-500 GRADE B FY=46 KSIH)BOLTS: 3/4 - INCH DIAMETERASTM A-325I)WELDING ELECTRODESE-70XXJ)HOLLOW LOAD-BEARING MASONRY UNITSASTM C270 TYPE SL)GROUTASTM 470	<ol> <li>WHENEVER WELDING IS EMPLOYED, EITHER IN FABRICATION OR ERECTION ALL SUCH WELDING SHALL BE PERFORMED QUALIFIED WELDERS IN COMPLETE ACCORD WITH THE "STRUCTURAL WELDING CODE - STEEL" OF THE AMERICAN WELCODE.</li> <li>PROVIDE ANGLE FRAMES FOR ROOF DRAINS AND ALL OTHER NEW FLOOR AND ROOF OPENINGS 12-INCHES OR GREAT ANGLE FRAMES TO BE L5 x 3-1/2 x 1/4" - TYPICAL.</li> <li>FURNISH LOOSE ANGLE LINTELS, UNLESS OTHER LINTELS ARE SPECIFICALLY INDICATED, FOR ALL OPENINGS IN MASC WALLS FOR DOORS, WINDOWS, DUCTS, PASS-THROUGHS, ETC. FOR EACH FOUR (4) INCHES OF MASONRY, FURNISH OI ANGLE AS FOLLOWS:</li> </ol> SPAN LINTEL UP TO 4'-6" L3-1/2 x 3-1/2 x 5/16 UNTERL
C. FOUNDATION 1. ALL FOUNDATION EXCAVATIONS SHALL BE TO REQUIRED ELEVATION OR UNDISTURBED SOIL. ALL FOUNDATIONS EXCAVATIONS SHALL BE TO SOLIND	4-6" TO 5'-6" L4 x 3-1/2 x 5/16 5'-6" TO 6'-6" L5 x 3-1/2 x 5/16 6'-6" TO 7'-6" L6 x 3-1/2 x 3/8 7'-6" TO 11'-0" W8x21+3/8" PLATE
<ol> <li>BOTTOM OF EXTERIOR FOOTING TO BE A MINIMUM 3'-6" BELOW FINISHED GRADE. ALL FOOTINGS SHALL A MINIMUM OF 1'-6 BELOW EXISTING GRADE, UNLESS ON STRUCTURAL FILL.</li> </ol>	FOR SIX (6") INCH WALLS, USE TWO (2) ANGLES WITH 2-1/2 INCH LEGS OUTSTANDING. FOR FOUR (4") INCH WALLS, USE ST3 X 6.25. MINIMUM SIX (6") INCH LONG BEARING FOR ALL LINTELS.
<ol> <li>STRUCTURAL FILL SHALL BE APPROVED STRUCTURAL GRAVEL COMPACTED IN 8" LAYERS TO 95% OF MODIFIED OPTIMUM DENSITY. CONFORM TO CONNECTICUT DOT FORM 813 SECTION M.02 GRADING "C".</li> </ol>	10. PROVIDE SHOP COAT OF PAINT.
<ol> <li>ALL FOUNDATION EXCAVATIONS AND STRUCTURAL FILL SHALL BE TESTED AND INSPECTED TO ENSURE THE ALLOWABLE SOIL BEARING PRESSURE AND DENSITY OF FOUNDATION BEARING MATERIALS.</li> </ol>	11. SUBMIT SHOP DRAWINGS, INCLUDING LINTEL SCHEDULE AND SHOP PAINT
<ol> <li>BOTH SIDES OF FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF WALLS.</li> </ol>	F. METAL DECK
6. DO NOT BACKFILL AGAINST RETAINING BASEMENT WALLS UNTIL CONCRETE HAS ACHIEVED 75% OF 28 DAY SPECIFIED STRENGTH.	<ol> <li>ROOF DECK: 1-1/2-INCH DEEP, 20-GAUGE, WIDE RIB GALVANIZED, TYPE 'B' METAL DECK. PROVIDE ACOUSTICAL DECK WHERE NOTED ON DRAWINGS.</li> </ol>
	2. FLOOR DECK: 1-1/2-INCH DEEP, 20-GAUGE, WIDE RIB GALVANIZED COMPOSITE METAL DECK - U.O.N
1. WALL FOOTING ARE TO BE 12 INCHES DEEP WITH 6-INCH PROJECTIONS, UNLESS OTHERWISE NOTED.	<ol> <li>WELD DECK AT SIX (6") INCHES ON CENTER WITH 5/8-INCH DIAMETER PUDDLE WELDS AT EVERY STEEL SUPPORT AN PERIMETER SUPPORT PARALLEL TO DECK SPAN.</li> </ol>
2. ALL FOUNDATION WALLS ARE TO BE KEYED TO FOOTINGS.	4. SIDE LAPS SHALL BE FASTENED AT QUARTER POINTS, USING #10 SELF TAPPING SHEET METAL SCREWS.
3. SLABS ARE TO BE KEYED TO SUPPORTING WALLS.	
<ol> <li>WHERE VERTICAL REINFORCING BARS ARE CALLED FOR IN WALLS, AT COLUMN LOCATIONS OR PIERS, SUCH BARS ARE TO BE DOWELED INTO FOOTINGS.</li> </ol>	
5. POCKET WALLS WHERE NECESSARY FOR COLUMNS AND SLABS.	G. STRUCTURAL COLD FORMED STEEL FRAMING
6. PROVIDE MINIMUM OF 2 INCHES COVER AROUND COLUMN BASE PLATES.	<ol> <li>ALL STRUCTURAL METAL FRAMING SHALL CONFORM TO AND BE ERECTED IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF AMERICAN IRON AND STEEL INSTITUTE (AISI) COLD-FORMED STEEL DESIGN MANUAL</li> </ol>
7. REINFORCING TO BE LAPPED 36 BAR DIAMETERS AT ALL CORNERS, SPLICES, DOWELS, ETC.	"SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
<ol> <li>PROVIDE TWO (2) #5 BARS ON ALL SIDES AND DIAGONALLY AT CORNERS PROVIDE OF OPENINGS THROUGH CONCRETE WALLS. BARS TO EXTEND 2'-0" BEYOND EDGE OF OPENING.</li> </ol>	<ol> <li>ALL JOISTS AND ACCESSORIES SHALL BE GALVANIZED AND SHALL BE FORMED FROM STEEL THAT CONFORMS TO REQUIREMENTS OF ASTM A-446 WITH A YIELD OF 50 KSI.</li> </ol>
<ol> <li>UNLESS OTHERWISE NOTED, ALL FOUNDATION WALLS ARE TO BE REINFORCED WITH TWO (2) #5 BARS, CONTINUOUS TOP AND BOTTOM.</li> </ol>	<ol> <li>ENGINEERING CALCULATIONS OR DATA SHALL BE SUBMITTED VERIFYING THE FRAMING ASSEMBLY'S ABILITY TO ME OR EXCEED DESIGN REQUIREMENTS.</li> </ol>
10. HORIZONTAL WALL CONSTRUCTION JOINTS WILL NOT BE PERMITTED, EXCEPT WHERE SHOWN.	<ol> <li>ALL CONSTRUCTION (MEMBER TO MEMBER, AND MEMBER TO STRUCTURE) SHALL BE THOROUGHLY EXAMINED AND DESIGNED.</li> </ol>
<ol> <li>ALL JOINTS IN STRUCTURAL SLABS SHALL BE MADE AT CENTER OF SPAN WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS, UNLESS OTHERWISE SHOWN OR APPROVED.</li> </ol>	5. JOIST HANGERS (REGULAR AND BRIDLE TYPE) SHALL BE MANUFACTURER'S STANDARD FOR JOIST DEPTH AND LOADIN
12. AIR-ENTRAIN ALL EXPOSED CONCRETE.	6. PROVIDE WEB STIFFENERS WHERE NECESSARY AT REACTION POINTS, AND AT POINTS OF CONCENTRATED LOADS.
13. PADS ARE REQUIRED FOR ALL FLOOR STANDING EQUIPMENT. COORDINATE SIZE AND LOCATION OF EQUIPMENT PADS	7. PROVIDE ADDITIONAL FRAMING AROUND ALL ROOF OPENINGS WHICH ARE LARGER THAN THE JOIST SPACING.
WITH MECHANICAL AND ELECTRICAL CONTRACTORS.	8. END BLOCKING SHALL BE PROVIDED WHERE JOIST ENDS ARE NOT OTHERWISE RESTRAINED FROM ROTATION.
14. THE GENERAL CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS, INCLUDING DIMENSIONS AND LOCATIONS, OF ALL OPENINGS, EMBEDDED ITEMS, ETC., FOR MECHANICAL AND ELECTRICAL TRADES.	9. ALL BRIDGING, BRACING, BLOCKING, STRAPPING, WEB REINFORCEMENT, ETC., MUST BE IN PLACE PRIOR TO LOADING.
15. COVER FOR REINFORCING:       3"         A) CONCRETE PLACED ON EARTH:       3"         B) FORMED CONCRETE EXPOSED TO GROUND OR WEATHER:       1-1/2"         C) FORMED CONCRETE NOT EXPOSED TO GROUND OR WEATHER:       3/4"	IV. HOLES THAT ARE FIELD OUT INTO STEEL FRAMING MEMBERS SHALLB BE WITHIN THE LIMITATIONS OF THE PRODUCT. ITS DESIGN. PROVIDE REINFORCEMENT WHERE HOLES ARE CUT THROUGH LOAD BEARING MEMBERS IN ACCORDANCI WITH MANUFACTURER'S RECOMMENDATION AND AS APPROVED BY PROJECT ARCHITECT OR ENGINEER.

							AS		20 0												,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
V <sub>ult</sub> = 13	35MPH	MPH EFFECTIVE WIND AREA IN SQUARE FEET (SF)			V <sub>ult</sub> = 13	в5мрн			EFI	FECTIVE W	/IND ARE	A IN SQUA	RE FEET (	SF)									
ECTION	Z	ONE	< 1(	) SF	< 20	) SF	< 50	SF	> 10	00 SF	REFERENCE	SECTION	zo	INE	< 10	SF	< 20	SF	< 50	) SF	> 10	0 SF	REFERENC
		MAIN OVHG.	(+) 22.1	(-) 54.4 2.6	(+) 19.2	(-) -49.1 79.0	(+) 19.2	(-) 47.4 7.3	(+) 19.2	(-) 46.1 76.0	- 30.4-2A		1	MAIN OVHG.	(+) 18.4 (-) 7	(-) 45.3 7.2	(+) 16.0	(-) -40.9 5.8	(+) 16.0	(-) 39.5 54.4	(+) 16.0	(-) 38.4 63.3	30.4-2A
ROOF	2	MAIN	(+) 20.5	(-) 91.1	(+) 19.2	(-) 75.5	(+) 19.2	(-) 63.6	(+) 19.2	(-) 54.6	- 30.4-2A	ROOF	2		(+) 17.1	(-) 75.9	(+) 16.0	(-) 62.9	(+) 16.0	(-) 53.0	(+) 16.0	(-) 45.5	30.4-2/
		MAIN	(+) 20.5	(-) 137.2	(+) 19.2	(-) 105.8	(+) 19.2	(-) 76.0	(+) 19.2	(-) 54.6	- 30.4-2A		(3)	MAIN	(+) 17.1	(-) 114.3	(+) 16.0	(-) 88.2	(+) 16.0	(-) 63.3	(+) 16.0	(-) 45.5	30.4-2
		4)	(+) 54.4	(-) 58.9	(+) 51.8	(-) 56.6	(+) 48.6	(-) 53.4	(+) 45.1	(-) 49.7	30.4-1			4)	(+) 45.3	(-) 49.1	(+) 43.2	(-) 47.2	(+) 40.5	(-) 44.5	(+) 37.6	(-) 41.4	30.4-1
WALL		5)	(+) 54.4	(-) 72.4	(+) 51.8	(-) 68.2	(+) 48.6	(-) 61.2	(+) 45.1	(-) 56.6	30.4-1	WALL		5)	(+) 45.3	(-) 60.3	(+) 43.2	(-) 56.8	(+) 40.5	(-) 51.0	(+) 37.6	(-) 47.2	30.4-1
NOTES: L. VALUE MODII 2. NEGAT 3. POSITI	ES IN THE FIED TO A TIVE VALU	CHART AR ALLOWABLI UES (-) IND ES (+) INDI	RE BASED ( E PRESSUF DICATE WIN ICATE WIN	ON FM GL RES WITH ND PRESS ID PRESSL	OBAL DAT A SAFETY JRES ACTI IRES ACTII	A SHEET 1 FACTOR C NG AWAY NG TOWA	L-28 SECTI DF 2.0. 7 FROM TH RDS THE S	ON 2.7 FO IE SURFAC URFACES.	DR USE OF	ASCE 7-1	0 VALUES	NOTES: 1. VALUE Kd=0.3 2. NEGA 3. POSIT 4. NOTA	ES IN THE C 35, Kzt=1.C FIVE VALUE VE VALUE	CHART ARE D, GCpi=(+/ ES (-) INDIC S (+) INDIC	E BASED C /-)0.18, Af CATE WIN CATE WIN	N ASCE7- ID THE M D PRESSU D PRESSU	10 USING EAN ROOF JRES ACTIN RES ACTIN	WIND LO. F HEIGHT. NG AWAY IG TOWAI	AD PARAN FROM TH RDS THE S	METERS LI IE SURFAC URFACES.	STED IN T CES.	HE DESIGN	N DATA,
IOTES: MODII NEGAT POSITI NOTAT a: LE: h: KEY PL	ES IN THE FIED TO A TIVE VALU TIVE VALU TION: 10 PERC ESS THAN EAVE H LAN FOR V	CHART AR ALLOWABLI UES (-) IND ES (+) INDI CENT OF LE EITHER 4 P EIGHT WIND ZON	RE BASED C E PRESSUF DICATE WIN ICATE WIN EAST HORIZ PERCENT C IES:	DN FM GL RES WITH ND PRESS ID PRESS ZONTAL E DF LEAST	OBAL DAT A SAFETY JRES ACTI IRES ACTI IMENSIOI IORIZONT	A SHEET 1 FACTOR C NG AWAY NG TOWA N "L" OR " AL DIMEN	L-28 SECTION FROM TH RDS THE S B" OR 0.4h ISION "L" (	ON 2.7 FO IE SURFACE URFACES. b, WHICH I OR "B" OR a a a a a a a a a a a a a a a a a a a	OR USE OF CES. EVER IS SI 3 FEET.	ASCE 7-1 AALLER, E B 2 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 VALUES	NOTES: 1. VALUE Kd=0.3 2. NEGA 3. POSIT 4. NOTA a: LE h: 5. KEY PI	ES IN THE ( 35, Kzt=1.0 FIVE VALUE FION: 10 PERCE SS THAN E EAVE HE AN FOR W	CHART ARE D, GCpi=(+/ ES (-) INDIO SS (+) INDIO ENT OF LEA EITHER 4 PE EIGHT VIND ZONE	E BASED C (-)0.18, AR CATE WIN CATE WIN AST HORIZ ERCENT O ES: (4)	N ASCE7- ID THE M ID PRESSU O PRESSU ONTAL D F LEAST H	10 USING EAN ROOF JRES ACTIN RES ACTIN IMENSION IORIZONT/	WIND LO	AD PARAN FROM TH RDS THE S 3" OR 0.4h SION "L" (	METERS LI IE SURFAC URFACES. n, WHICH I OR "B" OR	STED IN T CES. EVER IS SI 3 FEET.	HE DESIGN MALLER, B 2 2 1 2 2 2 2 2 2 2 2 2 2 2	

	H. REI	INFORCED MASONRY
ISC	1.	ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530-11/ASCE 5-11).
EEL	2.	ALL MASONRY SHALL BE LAID IN RUNNING BOND.ACI
	3.	MORTAR SHALL BE TYPE "S" CONFORMING TO ASTM C270.
	4.	GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM CEMENT CONTENT OF 7.0 SACKS OF PORTLAND CEMENT PER CUBIC YARD.
	5.	PROVIDE BOND BEAMS OR REINFORCED GROUTED UNITS WITH 2-#5 HORIZONTAL CONTINUOUS REINFORCEMENT IN ALL MASONRY WALLS AT:
ST		A) THE BOTTOM AND TOP OF WALL OPENINGS AND SHALL EXTEND NOT LESS THAN 24 INCHES NOR LES THAN 40 BAR DIAMETERS PAST THE OPENING.
D BY		B) STRUCTURALLY CONNECTED ROOF AND FLOOR LEVELS AND AT THE TOP OF WALLS.
		C) AT THE BOTTOM OF THE WALL OR IN THE TOP OF THE FOUNDATIONS WHEN DOWELLED TO THE WALL.
TER.		D) AT MAXIMUM SPACING OF TEN (10) FEET UNLESS UNIFORMLY DISTRIBUTED JOINT REINFORCEMENT IS PROVIDED.
ONRY	6.	PROVIDE MINIMUM OF ONE #5 CONTINUOUS VERTICAL REINFORCEMENT IN ALL MASONRY WALLS AT:
		A) MINIMUM OF 48 INCHES ON CENTER UNLESS OTHERWISE NOTED.
		B) ALL SIDES AND EDGES OF MASONRY OPENINGS SHALL EXTEND NOT LESS THAN 24 INCHES NOR LESS THAN 40 BAR DIAMETERS PAST THE OPENING.
	7.	ALL MASONRY CELLS CONTAINING REINFORCING SHALL BE FILLED SOLID WITH GROUT. GROUT SHALL BE SAME TYPE AS MORTAR.
	8.	ALL VERTICAL MASONRY REINFORCEMENT SHALL BE DOWELED (12 INCHES) MINIMUM INTO SUPPORTING FOUNDATION WALL OR FOOTING, UNLESS OTHERWISE NOTED.
	9.	REINFORCEMENT SHALL BE HELD IN PLACE USING POSITIONERS AT THE START, END AND SPLICES OF EACH BAR. PROVIDE ADDITIONAL SUPPORTS AT INTERVALS NOT GREATER THAN 192 BAR DIAMETERS OR TEN (10) FEET.
	10.	SPLICE REINFORCEMENT A MINIMUM LAP OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER.
	11.	SINGLE WYTHE JOINT REINFORCEMENT TO BE TRUSS TYPE 3/16" DIAMETER SIDE RODS WITH 9 GAUGE CROSS TIES CONFORMING TO ASTM A82, PLACED HORIZONTALLY WITH A MAXIMUM VERTICAL SPACING OF SIXTEEN (16) INCHES. WIRE REINFORCEMENT TO BE GALVANIZED.
	12.	CONCRETE MASONRY UNITS SHALL BE OF SIZE AND SHAPE INDICATED ON PLANS. TYPICAL EIGHT (8) INCH THICK UNIT SHALL BE 8x8x16 MODULAR WITH TWO CELLS AND SHALL HAVE A NET/GROSS AREA RATIO OF 53%.
	13.	DO NOT USE ADMIXTURES CONTAINING CHLORIDES, NITRITES OR NITRATES.
ID	14.	ALL HORIZONTAL BOND BEAM REINFORCEMENT SHALL BE CONTINUOUS AT MASONRY CONTROL JOINTS.
	I. STR	UCTURAL WOOD FRAMING
	1.	ALL WOOD FRAMING SHALL FIRE RETARDANT TREATED.
		ALL STRUCTURAL WOOD FRAMING SHALL CONFORM TO AND BE ERECTED IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
	2.	PLYWOOD SHALL BE IN ACCORDANCE WITH THE AMERICAN PLYWOOD ASSOCIATION (APA) SPECIFICATIONS AND SHALL BE FIRE RETARDANT TREATED.
	3.	ALL NAILS, SCREWS, SPIKES, ETC., TO BE COMMON STEEL.
THE	4.	JOIST HANGERS, FRAMING ANGLES AND CLIPS SHALL BE EQUAL TO THOSE MANUFACTURED BY THE SIMPSON COMPANY, SAN LEANDRO, CALIFORNIA.
EET	5.	CARPENTRY SHALL BE ERECTED TRUE TO LINES, LEVELS AND DIMENSIONS SHOWN OR REQUIRED; SHALL BE SQUARED, ALIGNED AND PLUMBED; SECURELY FASTENED IN PLACE IN AN APPROVED MANNER.
	6.	ALL JOINTS SHALL BE NEATLY AND ACCURATELY MADE, FITTED TIGHT, BLOCKED OR OTHERWISE PUT TOGETHER SO AS TO AVOID OPENING OR ROTATION.
NG.	7.	MEMBERS OF ROUGH WOODWORK SHALL BE SECURELY FASTENED TOGETHER AND TO SUPPORTING CONSTRUCTION; NAILED, SPIKED, LAG SCREWED OR BOLTED AS REQUIRED.
	8.	ALL NAILED CONNECTIONS SHALL BE SECURED IN ACCORDANCE WITH THE "CONNECTICUT STATE BUILDING CODE" 2005 TABLE 2304.10.1 FASTENING SCHEDULE.
i.	9.	FOR BOLTED CONNECTIONS, DRILL HOLES 1/16" LARGER IN DIAMETER THAN THE BOLTS BEING USED. DRILL STRAIGHT AND TRUE FROM ONE SIDE ONLY. BOLT THREADS SHALL NOT BEAR ON WOOD. USE WASHERS UNDER ALL NUTS.
AND E	10.	FOR LAG-SCREWS AND WOOD SCREWS, PRE-BORE HOLES SAME DIAMETER AS ROOT OF THREADS; ENLARGE HOLES TO SHANK DIAMETER FOR LENGTH OF SHANK. SCREW, DO NOT DRIVE, ALL LAG SCREWS AND WOOD SCREWS.

				TORF	ΠΔς	CF 7	ΙΟΔΓ	)5														
				MAIN	ROOF ARE	AS																
		EFFECTIVE WIND AREA IN SQUARE FEET (SF)							ASCE-10 FIGURE													
zo	NE	< 1(	< 10 SF		< 10 SF		< 10 SF		< 10 SF		< 10 SF		< 10 SF		< 10 SF		) SF	< 50	) SF	> 100 SF		REFERENCE
)	MAIN	(+) 18.4	(-) 45.3	(+) 16.0	(-) -40.9	(+) 16.0	(-) 39.5	(+) 16.0	(-) 38.4													
	OVHG.	(-) 7	7.2	(-) (	65.8 I ( )	(-) 6	54.4	(-) 6	53.3													
	MAIN	(+) 17.1	(-) 75.9	(+) 16.0	(-) 62.9	(+) 16.0	(-) 53.0	(+) 16.0	(-) 45.5	30.4-2A												
	OVHG.	(-)	() 444.2	(-) (	5.8	(-) 6	04.4	(-) 6	03.3													
I		(+) 1/.1	(-) 114.3 14 2	(+) 16.0	(-) 88.2 84.6	(+) 16.0	(-) 63.3	(+) 16.0	(-) 45.5	30.4-2A												
$\left( \right)$	1)	(+) 45.3	(-) 49.1	(+) 43.2	(-) 47.2	(+) 40.5	(-) 44.5	(+) 37.6	(-) 41.4	30.4-1												
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	CHART AR D, GCpi=(+, ES (-) INDI S (+) INDI ENT OF LE, EITHER 4 P IGHT	(+) 45.3 E BASED ( /-)0.18, A ICATE WIN CATE WIN AST HORIZ ERCENT ( ES:	(-) 60.3 ON ASCE7- ND THE M ND PRESSU D PRESSU ZONTAL D DF LEAST H	(+) 43.2 10 USING IEAN ROO JRES ACTI IRES ACTII IMENSION IORIZONT	(-) 56.8 WIND LO F HEIGHT. NG AWAY NG TOWA N "L" OR "I AL DIMEN	(+) 40.5 AD PARAM FROM TH RDS THE S B" OR 0.4 ISION "L" (	(-) 51.0 VIETERS LI SURFACES N, WHICH OR "B" OF	(+) 37.6 STED IN T CES. EVER IS SI 3 FEET.	(-) 47.2 HE DESIG MALLER, E	30.4-1 N DATA, BUT NOT												
	CHART AR D, GCpi=(+, ES (-) INDI S (+) INDI ENT OF LE ITHER 4 P IGHT VIND ZONI	(+) 45.3 E BASED ( /-)0.18, Al ICATE WIN CATE WIN AST HORIZ ERCENT C	(-) 60.3 ON ASCE7- ND THE M ND PRESSU D PRESSU ZONTAL D OF LEAST H	(+) 43.2 (+) 43.2 EAN ROO JRES ACTI RES ACTI INENSION	(-) 56.8 F HEIGHT. NG AWAY NG TOWA N "L" OR "I	(+) 40.5 AD PARAN FROM TH RDS THE S B" OR 0.4 ISION "L" (	(-) 51.0 METERS LI IE SURFAC SURFACES h, WHICH OR "B" OF	(+) 37.6 STED IN T CES. EVER IS SI 3 FEET.	(-) 47.2 HE DESIG MALLER, E B	30.4-1 N DATA, BUT NOT												
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DDES USED	STRESSES US	ED <u>5 CAPACITY</u>									IFF	WARD	AUD	ITORIUM			
2012 INTERNATIONAL BUILDING CODE WITH SUPPLEMENT	COLUMN F WALL FOO	OOTINGS TING	f p=4,000 psf f p=4,000 psf	<u>COLD FOR</u> 18 & 20 A65	R <u>MED STEEL</u> D GAUGE MATE 53	ERIAL 3.0 ksi	GRID	LOCATION	H	Lu	h <sub>d</sub>		$h_d + h_b$	P <sub>max</sub>	W <sub>d</sub> =4h <sub>d</sub>	Lu	(
"Minimum Design Loads for Buildings and Other Structures"	FOUNDATI INTERIOR	ON FOOTINGS WALLS	f'c=3,000 psi f'c=3,000 psi	16 GAU A65	IGE & HEAVIER 53 F y= 50	R MATERIAL 0.0 ksi			(F1.)	(F1.)	(F1.)	(PSF)	AF	REA "A"	(F1.)	(F1.)	
<u>SC 360-10</u> "Specifications for Structural	EXTERIOR SLAB ON G SLAB ON D	WALLS IRADE	f'c=4,500 psi f'c=3,000 psi f'c=4 000 psi				н	16 TO 20	13	110	3.7	65.9	5.0	89.0	14.7	110	Τ
Steel or Buildings" <u>Cl 318-11</u> "Building Code Requirements	EXTERIOR TYPICAL CI	FLATWORK MU WALLS	f'c=5,000 psi f'm=2,000 psi	<u>WOOD FR</u> SOUTHI	AMING ERN PINE #1		16	н то м	13	90	3.3	59.9	4.6	83.0	13.4	440	+
for Structural Concrete" AS 402-11/ACI 530-11/ASCE 5-11	REINFORCI	NG STEEL	ASTM GR. 6O	Fb = DOUGL	= 1250 psi AS FIR #1 & BT	R.	16	М ТО Р	13	90	3.3	59.9	4.6	83.0	13.4	165	╀
"Building Code Requirements for Masonry" AS CO2 11 (ACLE20 1 11 (ASCE C 11	STRUCTURAL WIDE FLAN	<u>STEEL</u> NGE BEAMS ANI	D GIRDERS	Fb =	= 1200 psi									 RFA "B"			
"Specification for Masonry Structures"	A992 TUBE STEE A500 G	F y= 50 L SECTIONS GR. B F y= 46	0.0 ksi 6.0 ksi					9.4 TO 15.9	13	65	2.8	51.0	4.1	74.1	11.4	150	Т
SI COLD-FORMED_STEEL_DESIGN_ ANUAL S100-07/S2-10	ROUND A500 G	GR. B F y= 42	2.0 ksi				19.4	МТОР	13	90	33	59.9	4.6	83.0	13.4	150	+
"Specification for the Design of Cold- Formed Steel Structural Members"	CHANNELS A36	NEOUS SHAPES 5, ANGLES, AND F y= 36	PLATES 6.0 ksi					917094	12	90	2.5	50.0	4.0	82.0	12.4	60	╞
<u>NSI/AWC NDS - 2012</u> "National Design Specification for								0.2 TO 24	13	160	3.5	79.0	5.7	101.2	17 5	165	╀
Wood Construction (2012 Supplement)"									12	65	2.9	51.0	J.7	74.1	11.3		╀
LOAD	SLAB OR	ROOFING	M & E	CEILING +	MISC.	TOTAL			13	00	2.0	51.0	4.1	22 0	12.4	30	╀
	DECK 65		5	HUNG ITEMS	2	75	9.5 	24.2 TO 24	13 1 12	50	2.5	44.5	2.0	67.6	0.0	200	╀
	2	5	5	3	5	20		24.2 10 24	.4 15	50	2.5	44.5	3.0		9.9	200	
	05	5	10	5	10	105							Al				Т
	60		10		10	105		FF TO GG	13	65	2.8	51.0	4.1	74.1	11.4	50	╞
	100/125		10		10	00	GG	24.4 TO 25	13	70	3.0	52.9	4.2	76	11.8	130	+
	106/135	0			10	132/101		GG TO PP	13	95	3.4	61.5	4.7	84.6	13.7	30	╀
	5			5	2		PP	21.6 TO 25	13	70	3.0	52.9	4.2	96.6	11.8	190	
<ol> <li>LOADING TO BE INCREASED IN ARI CONNECTICUT STATE BUILDING CO</li> <li>SEE "SNOW BUILD-UP TABLE" ON TABLE</li> </ol>	EAS OF SNOW D DDE. THIS DRAWING.	RIFTING AS REC	QUIRED BY										AF	REA "E"			Т
							M	9 TO S	13	170	4.5	80.4	5.8	103.5	18.0	105	+
DESIGN PARAMETE	ERS - LIV	E, WIND	), SNOW	, AND E	ARTHQI	JAKE	3	V TO BB	13	185	4.7	83.4	6.0	106.5	18.6	90	╀
VE LOAD DATA							4	Z.9 TO BB	13	25	1.7	29.7	3.0	52.8	6.6	90	+
<ul> <li>A. FLOOR LIVE LOADS</li> <li>a. CLASSROOMS</li> <li>b. CORRIDORS AND STAIRS</li> </ul>	40 100	psf + 20 psf PAI ) psf	RTITION LOAD				5	M TO V	13	370	6.3	112.1	7.6	135.2	25.1	90	
c. GYMNASIUM d. LIBRARY	100 150	) psf ) psf															
e. MECHANICAL ROOMS f. PRECAST MEZZANINES g. WOOD MEZZANINES	150 125 40	psf 5 psf psf						M	Lu			•	LEEWARD				
h. ALL FLOORS OVER A 2.5'x2 B. ROOF LIVE LOAD	5' AREA 100	00 lbs							HIGH ROO	F 			Wd			-	
NOW DATA	20	µsi						I	4	-77	77777	~~~~					
BUILDING RISK CATEGORY	ASCE 7, Table 1	1.5-1	CA	TEGORY III				т	면 								<del>, , , , , , , , , , , , , , , , , , , </del>
FLAT ROOF SNOW LOAD SNOW EXPOSURE FACTOR	ASCE 7, Section ASCE 7, Table 7	n 7.3, Equation 7.2	(7.3-1) P <sub>f</sub> : C <sub>e</sub>	= 23 psf (30 psf r = 1.0	nin.)				운								
THERMAL FACTOR SNOW IMPORTANCE FACTOR	ASCE 7, Table 7 ASCE 7, Table 1	7.3 1.5-2	C <sub>t</sub> : I <sub>s</sub> =	= 1.0 = 1.1				LOV	V ROOF								
/IND DATA																	
BUILDING RISK CATEGORY ULTIMATE DESIGN WIND SPEED NOMINAL DESIGN WIND SPEED	ASCE 7, Tal Appendix 'I Appendix 'I	ole 1.5-1 N' - CT Building N' - CT Building	Code Code	CATEGORY III 135 MPH 105 MPH													
WIND EXPOSURE CATEGORY INTERNAL PRESSURE COEFFICIENT	ASCE 7, Sec ASCE 7, Tal	ction 26.7.3 ple 26.11-1		C GCpi = +/- 0.18	(Enclosed)												
COMPONENTS AND CLADDING ULTIMATE BASIC VELOCITY PRESSURE	SCE 7, Sect ASCE 7, Sec	ion 30.4 - "Part ction 27.3.2	1"	REFER TO SCHE q <sub>30</sub> =38.8 PSF K <sub>d</sub> = 0.85	DULE												
				$K_z = 0.98$ $K_{zt} = 1.0$													
ALL COMPONENT DESIGN SHALL BE IN	ACCORDANCE	WITH FM GLOB	BAL DATA SHEET	7 1-28													
SEISMIC IMPORTANCE FACTOR MAPPED SPECTRAL RESPONCE ACCELI	ASCE 7, ASCE 7, ERATION	, Table 1.5-1 , Table 1.5-2		CATEGORY III I <sub>e</sub> = 1.25													
SHORT PERIOD PERIOD OF 1 second	IBC App IBC App	pendix N pendix N	- Deve et	$S_s = 0.194$ $S_1 = 0.063$													
DESIGN SPECTRAL RESPONSE ACCELEF SHORT PERIOD	Geotec RATION ASCE 7	, Section 11.4.4	rs Report	C S <sub>ds</sub> = 0.155													
PERIOD OF 1 second SEISMIC DESIGN CATEGORY	ASCE 7, ASCE 7,	, Section 11.4.4 , Tables 11.6-1	& 2	S <sub>d1</sub> = 0.071 B													
BASIC STRUCTURAL SYSTEM	"BUILD	ING FRAME"															
BASIC SEISMIC -FORCE RESISTING SYS.	ASCE 7, Tal	ole 12.1-1-H	STI DE	EEL SYSTEMS NO TAILED FOR SEIS R = 3.0	T SPECIFICALL	Y CE											
DEFLECTION AMPLIFICATION FACTOR OVERSTRENGTH FACTOR	ASCE 7 ASCE 7	. Table 12.2-1-H . Table 12.2-1-H	1 1	$C_{d} = 3.0$ $\Omega = 3.0$			ARCI B. B.F.E	A B B K E V I A I I O I ARCHITECTURAL BOTTOM BOTTOM OF FOOTING EL									
SEISMIC RESPONCE COEFFICIENT BASIC SEISMIC -FORCE RESISTING SYST	ASCE 7	, Section 12.8.1 , Table 12.1-1	B.8	C <sub>s</sub> = 0.080 ORDINARY PRE		TE SHEAR	BP B/S C.C. C.J. CAN	BEARING PLATE BOTH SIDES CENTER TO CENTER CONTROL JOINT CANTILEVER									
RESPONSE MODIFICATION FACTOR	ASCE 7	, Table 12.2-1-B	3.8	WALLS R = 4.0			CON CON DIA. DWC E.A.	C. CONCRETE T. CONTINUOUS DIAMETER . DRAWING FACH									
OUTECTION AMPLIFICATION FACTOR	ASCE 7 ASCE 7	. таріе 12.2-1-В . Table 12.2-1-В	5.0 3.8	$c_d = 4.0$ $\Omega = 2.5$			E.J. ELEV E.X. F.S.	EXPANSION JOINT ELEVATION EXSTING FOOTING STEP FIREPROOFING		100% (	CONSTR tle	RUCTION	N DOCU	MENTS			
SEISMIC RESPONCE COEFFICIENT	ASCE 7	, Section 12.8.1				TF	HD HKP k K*Ft	HOLD DOWN HOUSEKEEPING PAD KIP KIP-FOOT POLINDS		GENE	RAL NO	TES					ית ( ית
RESPONSE MODIFICATION FACTOR	ASCE 7	, Table 12.2-1-C	2.7	MOMENT FRAM R = 3.0	MES		LGS. LGM LSL LVL MEP	COLD FORMED METAL FR LAMINATED STRAND LUN LAMINATED VENEER LUN MECHANICAL ELECTRICAI ON CFNTFR	AMING IBER IBER . PLUMBING								ייר 
DEFLECTION AMPLIFICATION FACTOR OVERSTRENGTH FACTOR	ASCE 7 ASCE 7	. Table 12.2-1-C . Table 12.2-1-C	C.7 C.7	C <sub>d</sub> = 2.5 Ω = 3.0			O.C. P.A.I PSF PSI PSL	POWDER ACTUATED FAS POUNDS PER SQUARE FO POUNDS PER SQUARE IN PARALLEL STRAND LUMB	FENER OT CH ER	mark c	RE\ date	description		200 Fi		, ASSOCI	ΑΤ
SEISMIC RESPONCE COEFFICIENT	ASCE 7	, Section 12.8.1		C <sub>s</sub> =0.065			P/C REIN SIM. STL. SW	REINFORCED SIMILAR STEEL SHEAR WALL		1 07	7/23/2019 AI	DDENDUM #1		Avon,	J 1 UUUU		
ANALYSIS PROCEDURE UTILIZED	ASCE 7	, section 12.8		EQUIVALENT LA	ATERAL FORCE		T. T.P.E T.S.E T.W. TYP.	TOP TOP OF PIER ELEVATION TOP OF SHELF ELEVATION TOP OF WALL ELEVATION TYPICAL						projec			
							U.O. W.W WD. WF	F. UNLESS OTHERWISE NOT F. WELDED WIRE FABRIC WOOD WIDE FLANGE						ADD PLA 600 Oran	TT TECH	NICAL H	ەر IIG
										1					<u> </u>		nrc

DCS pro BI-RT-878

CAD no.

0.75h <sub>d</sub>	P <sub>d</sub>	$h_d + h_b$	P <sub>max</sub>	W <sub>d</sub> =4h <sub>d</sub>
(FT.)	(PSF)	(FT.)	(PSF)	(FT.)
2 0	10.1	4.1	72.5	14.7
Z.0	49.4	4.1	112.5	26.0
5.0	90.3	0.3	113.4	26.9
3.3	59.5	4.6	82.6	17.7
3.2	57.0	4.5	80.1	17.0
3.2	57.0	4.5	80.1	17.0
2.1	36.7	3.3	59.8	10.9
3.3	59.5	4.6	82.6	17.7
2.5	44.9	3.8	68.0	13.4
3.6	64.8	4.9	87.9	19.3
3.6	64.8	4.9	87.9	19.3
1.9	33.3	3.2	56.4	9.9
3.0	53.4	4.3	76.5	15.9
1.4	25.0	2.7	48.1	7.4
3.5	63.3	4.8	86.4	18.9
			I	
2.7	48.4	4.0	71.5	14.4
2.5	44.9	3.8	68.0	13.4
2.5	44.9	3.8	68.0	13.4
2.5	44.9	3.8	68.0	13.4



# OF CONNECTICUT

		date
OCIATES		05/24/2019
		scale
		3/4" = 1'-0"
		drawn by
		JWZ
		approved by
RENOVATIONS		PGC
L HIGH SCHOOL		drawing no.
DCS project no.	OSCGR project no.	S0-0-1
BI-RT-878 CM-R	900-0013	



STATE OF DEPARTMENT OF ADM drawing prepared by Consulting Engineering 811 Middle St., Middletown, CT 06457 project ADDITIONS AND RENC PLATT TECHNICAL HIC 600 Orange Avenue Milford, CT 06461 DCS pro CAD no.

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OF CONN	ECTICU /e services	Γ
neering Services, Ir 5457	1C.	date 05/24/2019 scale As indicated drawn by MDP
RENOVATIONS AL HIGH SCHOOL		approved by Jvc drawing no.
DCS project no. ві-ят-878 см-я	OSCGR project no. 900-0013	FP1-1-1E





		date
ig Services, Ir	IC.	05/24/2019
		scale
		As indicated
		drawn by
		MDP
		approved by
OVATIONS		JVC
GH SCHOOL		drawing no.
roject no. в78 см-к	OSCGR project no. 900-0013	FP1-1-3C





REFER TO FP2-1-1 FOR FIRE PROTECTION SYMBOLS, LEGENDS & NOTES. REFER TO FP3-1-1 FOR FIRE PROTECTION DETAILS. REFER TO PF2-1-1 FOR ZONING

STATE OF FIRE PROTECTION PLAN DEPARTMENT OF ADI AREA E drawing prepared by REVISIONS Consulting Engineering mark date description 811 Middle St., Middletown, CT 06457 1 07/23/2019 ADDENDUM #1 project ADDITIONS AND RENO PLATT TECHNICAL HIC 600 Orange Avenue Milford, CT 06461 DCS pro CAD no. BI-RT-87

drawing title MEZZANINE

**100% CONSTRUCTION DOCUMENTS** 

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MINISTRATIVE SERVIC	ES date
ng Services, Inc.	05/24/2019 scale As indicated drawn by
OVATIONS IGH SCHOOL	approved by Jvc drawing no.
roject no. OSCGR projec 378 см-я 900-0013	ot no. <b>FP1-1-ME</b>













				_
NKLER SYST	TEM NOTE	S		
e applicable	E TO ALL FI	RE PROTECTION DR	AWINGS.	
ATIC AND SHC CIFICATIONS F	W THE GEN OR ADDITIC	NERAL INTENT OF W	ORK, SEE	
SUGGESTED NKLER PROTE E CODES, ANE ALL NOT BE C G, DENSITY, A FM GLOBAL.	SPRINKLER CTION AS R ) FM GLOBA OUNTED. A ND LOCATI	R HEAD LAYOUT ANE REQUIRED BY ALL AF AL REQUIREMENTS. S A TAKE OFF OR AS ON REQUIREMENTS	O THAT EACH PPLICABLE THE S EXACT SHALL BE	
N 3/13/17 AT A ORDED AS FO	HYDRANT LLOWS:	LOCATED AT		
: 7	10 PSI 75 PSI			
USED AS A GU DRM AN ADDIT N FROM THE ( CULATIONS. C/	JIDE BY THI IONAL FLO CONTRACTO ALCULATIO	E CONTRACTOR. TH W TEST TO VERIFY OR'S FLOW TEST SH NS SHALL BE SUBMI	E THIS IALL BE TTED TO	
SIDE HOSE ST 50 GPM & 500	REAM ALLO	OWANCE FOR HYDR US GARAGE AND AL	AULIC JTOMOTIVE	Į
SHALL INCLU	DE A SAFET	Y FACTOR OF 10%.		Ş
NT OF THE SYS	STEM SHAL	L NOT EXCEED 18FF	PS.	ß
ERS SHALL BE	BASED ON	THE FOLLOWING:		Į
mm	nn	mm	m	Ł
NCY ATION	DENSITY (GPM/SF)	AREA OF APPLICATION (SF)	K-FACTOR	
RD GROUP 1	0.20	2500	8.0	
RD GROUP 1	0.15	1500	8.0	
RD GROUP 2	0.20	1500	5.6	
RD GROUP 2	0.20	1500	5.6	
RD GROUP 2	0.20	1500	5.6	
RD GROUP 2	0.30	2500	11.2	
D GROUP 2	0.30	2500	11.2	
ZARD	0.10	1500	5.6	
	I	1	I	
				_

FIRE PROT	ECTION ABBREVIATIONS
N	DESCRIPTION
	ABOVE FINISHED FLOOR
	CORROSION RESISTANT
	DRY
	DOUBLE CHECK VALVE
	EXTENDED COVERAGE
	ELEVATION
	FIRE ALARM
	FIRE ALARM CONTROL PANEL
	FIRE DEPARTMENT
	FIRE DEPARTMENT CONNECTION
	FIRE HOSE VALVE
	FIRE PROTECTION
	FEET PER MINUTE
	FLOW SWITCH
	GALLONS PER HOUR
	GALLONS PER MINUTE
	TOTAL DEVELOPED HEAD
	HIGH TEMPERATURE CLASSIFICATION
	HOSE VALVE CABINET
	INTERMEDIATE TEMPERATURE CLASSIFICATION NORMALLY CLOSED
	NORMALLY OPEN
	NOT TO SCALE
	OUTSIDE SCREW AND YOLK
	PRESSURE DROP
	PRESSURE SWITCH
	POUNDS PER SQUARE INCH
	REDUCED PRESSURE BACKFLOW PREVENTER
	REVOLUTIONS PER MINUTE
	SUPERVISORY SWITCH
	TAMPER SWITCH
	TYPICAL
	VOLTS
	VELOCITY
	WIRE GUARD

# STATE OF CONNECTICUT

CAD no.

iı	neering Services Ir		date 05/24/2019
06	457		scale
			As indicated
			drawn by
			MDP
			approved by
)	RENOVATIONS		JVC
c	AL HIGH SCHOOL		drawing no.
	DCS project no. ві-ят-878 см-я	OSCGR project no. 900-0013	FP2-1-1







G		D
CONN	ECTICU /	Γ
g Services, Ir	1C.	date 05/24/2019 scale As indicated drawn by MDP
OVATIONS GH SCHOOL		approved by Jvc drawing no.
roject no. 78 cm-r	OSCGR project no. 900-0013	P1-1-1E



100% CONSTRUCTION DOCUME	ENTS
rawing title	

SEC PLU ARE	OND FL MBING F A C	oor Plan	STATE DEPARTMEN	E OF CON	NECTICU	T
	F	REVISIONS	drawing prepared by			date
mark	date	description	Consulting E	ngineering Services	s, Inc.	05/24/2019
1	07/23/2019		811 Middle St., Middletown	n, CT 06457		scale
	01/20/2013					As indicated
						drawn by
						MDP
			project			approved by
			ADDITIONS A	ND RENOVATIONS	5	JVC
			PLATT TECHI 600 Orange Avenue Mil	NICAL HIGH SCHO	OL	drawing no.
			CAD no.	DCS project no. ві-ят-878 см-я	OSCGR project no. 900-0013	P1-1-2C

DESCRIPTION WORK SINK W/ HAND SINK & DRAWER HAND SINK KETTLE, STEAM JACKETED FLOOR TROUGH TILTING SKILLET STEAMER, CONVECTION, GAS OVEN-STEAMER, COMBINATION OVEN, CONVECTION, GAS OVEN-STEAMER, COMBINATION OVEN, CONVECTION, GAS RANGE, HEAVY DUTY, GAS EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)			С. С. С. С. С. С. С. С. С. С. С. С. С. С	X X X X X X X X		О В Т С О О	(IN) (IN) (IV) (IV) (IV) (IV) (IV) (IV) (IV) (IV	HOT WATER GPH	(IN) 1/2 1/2 1/2 1/2 3/4 3/4	DOMESTIC WTER	DIRECT DRAIN SZIE (IN.)	(IN.) 1 1/2 2 1 1/2	(IN.) BAS SIZE (IN.)	HUTBM 100 93	EQUIPMENT REMARKS
WORK SINK W/ HAND SINK & DRAWER HAND SINK KETTLE, STEAM JACKETED FLOOR TROUGH TILTING SKILLET STEAMER, CONVECTION, GAS OVEN-STEAMER, COMBINATION OVEN, CONVECTION, GAS RANGE, HEAVY DUTY, GAS EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	X X X X X X X X X X X X X X			X X X X X X			1/2 1/2 1/2 (2) 3/8 3/4		1/2 1/2 1/2 (2) 3/8 3/4 3/4		1 1/2	1 1/2 2 1 1/2	3/4	100	1,4 4 1,2,4,5
HAND SINK KETTLE, STEAM JACKETED FLOOR TROUGH TILTING SKILLET STEAMER, CONVECTION, GAS OVEN-STEAMER, COMBINATION OVEN, CONVECTION, GAS RANGE, HEAVY DUTY, GAS EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT) CONDENSING UNIT	X X X X X X X X X X X X			X X X X X X			1/2 1/2 (2) 3/8 3/4		1/2 1/2 (2) 3/8 3/4 3/4		1 1/2	2	3/4 3/4	100 93	4 1,2,4,5
KETTLE, STEAM JACKETED FLOOR TROUGH TILTING SKILLET STEAMER, CONVECTION, GAS OVEN-STEAMER, COMBINATION OVEN, CONVECTION, GAS RANGE, HEAVY DUTY, GAS EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT) CONDENSING UNIT	X X X X X X X X X X X			X X X X X X			1/2 (2) 3/8 3/4		1/2 (2) 3/8 3/4 3/4			2	3/4 3/4	100 93	1,2,4,5
FLOOR TROUGH TILTING SKILLET STEAMER, CONVECTION, GAS OVEN-STEAMER, COMBINATION OVEN, CONVECTION, GAS RANGE, HEAVY DUTY, GAS EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	X X X X X X X X			X X X X X			(2) 3/8 3/4		(2) 3/8 3/4 3/4			1 1/2	3/4	93	+
TILTING SKILLET STEAMER, CONVECTION, GAS OVEN-STEAMER, COMBINATION OVEN, CONVECTION, GAS RANGE, HEAVY DUTY, GAS EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	X X X X X X X			X X X X X			(2) 3/8 3/4		(2) 3/8 3/4 3/4			1 1/2	3/4	93	
STEAMER, CONVECTION, GAS OVEN-STEAMER, COMBINATION OVEN, CONVECTION, GAS RANGE, HEAVY DUTY, GAS EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	X X X X 			X X X			3/4		3/4 3/4			0.4/0	4/0		1,2,4,5
OVEN-STEAMER, COMBINATION OVEN, CONVECTION, GAS RANGE, HEAVY DUTY, GAS EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	X X X V			X X X			3/4		3/4			2 1/2	1/2	62	1,2,4,5
OVEN, CONVECTION, GAS RANGE, HEAVY DUTY, GAS EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	X X X 			X X X					-			2	3/4	106	1,2,4,5
RANGE, HEAVY DUTY, GAS EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	X X V			X X									3/4	(2) 60	
EXHAUST HOOD ASSEMBLY PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT) CONDENSING UNIT	X V X			X									1	255	
PREP TABLE W/ DOUBLE SINK & DRAWERS FAUCET WALL MOUNT TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	X														
TABLE MOUNT SHELF REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	x														
REFRIGERATOR, REACH IN GLASS DOOR ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT) CONDENSING UNIT	X														
ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	X														
ICE MACHINE WALK-IN COOLER (+35 DEG. FAHRENHEIT)	X														
WALK-IN COOLER (+35 DEG. FAHRENHEIT)	1			X							ļ				
CONDENSING UNIT	x			x											
	Х			X											
EVAPORATOR COIL	Х			X								1			1,3
WALK-IN FREEZER (-10 DEG. FAHRENHEIT)	x			x											
CONDENSING UNIT	X			X											
EVAPORATOR COIL	X			X								1			
SOILED DISHTABLE W/PRE SINK RINSE	Х			X					1/2			2			1,4
DISPOSER	X			X					1/2			1/2			1,4
HOSE REEL ASSEMBLY	X			X			1/2		1/2						2,4
DISHWASHER	Х			Х			1/2					2			1,4
EXHAUST HOOD															
HOT WATER BOOSTER	Х			Х			3/8					3/8			1,4
HAND SINK							1/2		1/2		1 1/2				
WORK TABLE W/UNDERSHELF & SINK							1/2		1/2			1 1/2			1,4
WORK TABLE W/UNDERSHELF & SINK							1/2		1/2			1 1/2			1,4
COLD FOOD SERVING COUNTER	Х			X								1			1
W/DROP-IN COLD PAN	Х			X											
HOT FOOD SERVING COUNTER	Х			X								3/4			1
W/(2) DROP-IN HOT WELLS	X			X											
HOT/COLD SERVING COUNTER	X			X											
W/DROP-IN HOT/COLD PAN	X			X			1/4		1/4			1			1,4
HOT FOOD SERVING COUNTER	X			X											
W/DROP-IN HEATED SHELF	X			X											
S/S WORKTABLE W/UNDERSHELF & SINK	X			X			1/2		1/2			1 1/2			14
	EVAPORATOR COIL SOILED DISHTABLE W/PRE SINK RINSE DISPOSER HOSE REEL ASSEMBLY DISHWASHER EXHAUST HOOD HOT WATER BOOSTER HAND SINK WORK TABLE W/UNDERSHELF & SINK WORK TABLE W/UNDERSHELF & SINK COLD FOOD SERVING COUNTER W/DROP-IN COLD PAN HOT FOOD SERVING COUNTER W/(2) DROP-IN HOT WELLS HOT/COLD SERVING COUNTER W/DROP-IN HOT/COLD PAN HOT FOOD SERVING COUNTER W/DROP-IN HOT/COLD PAN HOT FOOD SERVING COUNTER W/DROP-IN HEATED SHELF S/S WORKTABLE W/UNDERSHELF & SINK	EVAPORATOR COILXSOILED DISHTABLE W/PRE SINK RINSEXDISPOSERXHOSE REEL ASSEMBLYXDISHWASHERXEXHAUST HOODXHOT WATER BOOSTERXWORK TABLE W/UNDERSHELF & SINKXWORK TABLE W/UNDERSHELF & SINKXWOROP-IN COLD PANXHOT FOOD SERVING COUNTERXW/(2) DROP-IN HOT WELLSXHOT/COLD SERVING COUNTERXW/DROP-IN HOT WELLSXHOT FOOD SERVING COUNTERXW/DROP-IN HOT/COLD PANXHOT FOOD SERVING COUNTERXW/DROP-IN HOT/COLD PANXHOT FOOD SERVING COUNTERXW/DROP-IN HOT/COLD PANXHOT FOOD SERVING COUNTERXW/DROP-IN HOT/COLD PANXKU/DROP-IN HOT/COLD PANXS/S WORKTABLE W/UNDERSHELF & SINKX	EVAPORATOR COILXSOILED DISHTABLE W/PRE SINK RINSEXDISPOSERXHOSE REEL ASSEMBLYXDISHWASHERXEXHAUST HOOD-HOT WATER BOOSTERXHAND SINK-WORK TABLE W/UNDERSHELF & SINK-WORK TABLE W/UNDERSHELF & SINK-COLD FOOD SERVING COUNTERXHOT FOOD SERVING COUNTERXW/(2) DROP-IN HOT WELLSXHOT/COLD SERVING COUNTERXW/DROP-IN HOT/COLD PANXHOT FOOD SERVING COUNTERXW/DROP-IN HOT/COLD PANXKOTFOOD SERVING COUNTERXS/S WORKTABLE W/UNDERSHELF & SINKX	EVAPORATOR COILXSOILED DISHTABLE W/PRE SINK RINSEXDISPOSERXHOSE REEL ASSEMBLYXDISHWASHERXEXHAUST HOODHOT WATER BOOSTERXHAND SINKWORK TABLE W/UNDERSHELF & SINKWUDROP-IN COLD PANXHOT FOOD SERVING COUNTERXW/(2) DROP-IN HOT WELLSXHOT/COLD SERVING COUNTERXW/DROP-IN HOT/COLD PANXHOT FOOD SERVING COUNTERXW/DROP-IN HOT/COLD PANXHOT FOOD SERVING COUNTERXW/DROP-IN HOT/COLD PANXHOT FOOD SERVING COUNTERXW/DROP-IN HEATED SHELFXS/S WORKTABLE W/UNDERSHELF & SINKX	EVAPORATOR COILXXSOILED DISHTABLE W/PRE SINK RINSEXXDISPOSERXXXHOSE REEL ASSEMBLYXXDISHWASHERXXEXHAUST HOODHOT WATER BOOSTERXXHAND SINKWORK TABLE W/UNDERSHELF & SINKWOROP-IN COLD PANXXHOT FOOD SERVING COUNTERXXW/(2) DROP-IN HOT WELLSXXHOT/COLD SERVING COUNTERXXW/DROP-IN HOT/COLD PANXXW/DROP-IN HOT/COLD PANXXW/DROP-IN HEATED SHELFXXS/S WORKTABLE W/UNDERSHELF & SINKXX	EVAPORATOR COILXXXSOILED DISHTABLE W/PRE SINK RINSEXXXDISPOSERXXXXHOSE REEL ASSEMBLYXXXDISHWASHERXXXEXHAUST HOODHOT WATER BOOSTERXXXHAND SINKWORK TABLE W/UNDERSHELF & SINKWORK TABLE W/UNDERSHELF & SINKWORK TABLE W/UNDERSHELF & SINKWOROP-IN COLD PANXXHOT FOOD SERVING COUNTERXXW/(2) DROP-IN HOT WELLSXXHOT/COLD SERVING COUNTERXXW/DROP-IN HOT WELLSXXHOT FOOD SERVING COUNTERXXW/DROP-IN HOT/COLD PANXXW/DROP-IN HOT/COLD PANXXW/DROP-IN HOT/COLD PANXXS/S WORKTABLE W/UNDERSHELF & SINKXX	EVAPORATOR COILXXXXSOILED DISHTABLE W/PRE SINK RINSEXXXXDISPOSERXXXXXHOSE REEL ASSEMBLYXXXXXDISHWASHERXXXXXEXHAUST HOODXXXXXHOT WATER BOOSTERXXXXXHAND SINKXXXXXWORK TABLE W/UNDERSHELF & SINKXXXXVORK TABLE W/UNDERSHELF & SINKXXXXW/DROP-IN COLD PANXXXXHOT FOOD SERVING COUNTERXXXXW/(2) DROP-IN HOT WELLSXXXXHOT/COLD SERVING COUNTERXXXXHOT FOOD SERVING COUNTERXXXXW/DROP-IN HOT/COLD PANXXXXW/DROP-IN HOT/COLD PANXXXXW/DROP-IN HOT/COLD PANXXXXW/DROP-IN HEATED SHELFXXXXS/S WORKTABLE W/UNDERSHELF & SINKXXX	EVAPORATOR COILXXXXSOILED DISHTABLE W/PRE SINK RINSEXXXXDISPOSERXXX1/2HOSE REEL ASSEMBLYXXX1/2DISHWASHERXXX1/2EXHAUST HOODXXX1/2HOT WATER BOOSTERXXX3/8HAND SINKXX1/2WORK TABLE W/UNDERSHELF & SINKXX1/2COLD FOOD SERVING COUNTERXX1/2W/(2) DROP-IN HOT WELLSXXX1/2W/DROP-IN HOT/COLD PANXXX1/4HOT FOOD SERVING COUNTERXX1/4HOT/COLD SERVING COUNTERXX1/4HOT/COLD SERVING COUNTERXX1/4W/DROP-IN HOT/COLD PANXX1/4HOT FOOD SERVING COUNTERXX1/4HOT FOOD SERVING COUNTERXX1/4W/DROP-IN HEATED SHELFXXX1/4HOT FOOD SERVING COUNTERXX1/4HOT FO	EVAPORATOR COILXXXIISOILED DISHTABLE W/PRE SINK RINSEXXXIDISPOSERXXXI/2HOSE REEL ASSEMBLYXXX1/2DISHWASHERXXX1/2EXHAUST HOODXXX1/2HOT WATER BOOSTERXXX3/8HAND SINKIII1/2WORK TABLE W/UNDERSHELF & SINKII1/2COLD FOOD SERVING COUNTERXXIW/DROP-IN COLD PANXXIHOT/COLD SERVING COUNTERXXIW/DROP-IN HOT WELLSXXIHOT FOOD SERVING COUNTERXXIW/DROP-IN HOT/COLD PANXXIW/DROP-IN HOT/COLD PANXXIW/DROP-IN HOT/COLD PANXXIW/DROP-IN HOT/COLD PANXXIW/DROP-IN HEATED SHELFXXIW/DROP-IN HEATED SHELFXXIW/DROP-IN HEATED SHELFXXIS/S WORKTABLE W/UNDERSHELF & SINKXXI	EVAPORATOR COILXXXIIIISOILED DISHTABLE W/PRE SINK RINSEXXXI/21/2DISPOSERXXXX1/21/2HOSE REEL ASSEMBLYXXX1/21/2DISHWASHERXXX1/21/2EXHAUST HOODXXX1/21/2HOT WATER BOOSTERXXX3/81/2HAND SINKXXX3/81/2WORK TABLE W/UNDERSHELF & SINKXX1/21/2COLD FOOD SERVING COUNTERXXX1/21/2W/DROP-IN COLD PANXXXX1/41/4HOT FOOD SERVING COUNTERXXX1/41/4HOT FOOD SERVING COUNTERXXX1/21/2W/DROP-IN HOT WELLSXXX1/41/4HOT FOOD SERVING COUNTERXXX1/41/4HOT FOOD SERVING COUNTERXXX <td< td=""><td>EVAPORATOR COILXXXIIIISOILED DISHTABLE W/PRE SINK RINSEXXXI/2I/2I/2DISPOSERXXXXI/2I/2I/2HOSE REEL ASSEMBLYXXXI/2I/2I/2DISHWASHERXXXI/2I/2I/2EXHAUST HOODXXXI/2I/2I/2HOT WATER BOOSTERXXXJ/8I/2I/2HAND SINKIII/2I/2I/2I/2WORK TABLE W/UNDERSHELF &amp; SINKII/2I/2I/2I/2COLD FOOD SERVING COUNTERXXIII/2I/2W/DROP-IN COLD PANXXXIII/2I/2W/DROP-IN HOT WELLSXXXI/4I/4I/4HOT FOOD SERVING COUNTERXXI/4I/4I/4HOT FOOD SERVING COUNTERXXI/2I/2I/2W/DROP-IN HOT WELLSXXI/4I/4I/4HOT FOOD SERVING COUNTERXXI/4I/4I/4HOT FOOD SERVIN</td><td>EVAPORATOR COILXXXIIIISOILED DISHTABLE W/PRE SINK RINSEXXX1/21/2IDISPOSERXXX1/21/2IHOSE REEL ASSEMBLYXXX1/21/2IDISHWASHERXXX1/2IIEXHAUST HOODXXX1/2IIHOT WATER BOOSTERXXX3/8IIHAND SINKII1/21/21/2IWORK TABLE W/UNDERSHELF &amp; SINKII1/21/2IWORK TABLE W/UNDERSHELF &amp; SINKIIIIIWORK TABLE W/UNDERSHELF &amp; SINKIIIIIWORDP-IN COLD PANXXIIIIW/DROP-IN HOT WELLSXXIIIIW/DROP-IN HOT WELLSXXIIIIW/DROP-IN HOT/COLD PANXXIIIIW/DROP-IN HATED SHELFXXIIIIW/DROP-IN HEATED SHELFXXIIIIX/SWORK TABLE W/INDERSHELF &amp; SINKXIIII</td><td>EVAPORATOR COILXXXIII1SOILED DISHTABLE W/PRE SINK RINSEXXX11/2122DISPOSERXXX11/211/211/211/2HOSE REEL ASSEMBLYXXX11/211/21211/2DISHWASHERXXX11/211/222EXHAUST HOODXXX11/211/222HOT WATER BOOSTERXXX31/831/831/8HAND SINKXX11/211/211/211/2WORK TABLE W/UNDERSHELF &amp; SINKXX11/211/211/2WORK TABLE W/UNDERSHELF &amp; SINKXX11/211/211/2WORDP-IN COLD PANXX11/211/211/211/2W/DROP-IN HOT WELLSXX11/411/41W/DROP-IN HOT/COLD PANXX11/411/41HOT FOOD SERVING COUNTERXX11/411/41W/DROP-IN HEATED SHELFXX11/211/2W/DROP-IN HEATED SHELFXX11</td><td>EVAPORATOR COILXXXII11SOILED DISHTABLE W/PRE SINK RINSEXXXI/21/221DISPOSERXXXI/21/21/21/21/21HOSE REEL ASSEMBLYXXX1/21/21/2111DISHWASHERXXX1/21/221111DISHWASHERXXX1/21/2211111HOT WATER BOOSTERXXX3/83/83/83/8111</td><td>EVAPORATOR COILXXXIIIISOILED DISHTABLE W/PRE SINK RINSEXXXI/2I/22IDISPOSERXXXI/2I/2I/2I/2I/2IHOSE REEL ASSEMBLYXXI/2I/2I/2IIIIDISHWASHERXXXI/2I/2IIIIIDISHWASHERXXXI/2I/2IIIIIIHOT WATER BOOSTERXXX3/8III&lt;</td></td<>	EVAPORATOR COILXXXIIIISOILED DISHTABLE W/PRE SINK RINSEXXXI/2I/2I/2DISPOSERXXXXI/2I/2I/2HOSE REEL ASSEMBLYXXXI/2I/2I/2DISHWASHERXXXI/2I/2I/2EXHAUST HOODXXXI/2I/2I/2HOT WATER BOOSTERXXXJ/8I/2I/2HAND SINKIII/2I/2I/2I/2WORK TABLE W/UNDERSHELF & SINKII/2I/2I/2I/2COLD FOOD SERVING COUNTERXXIII/2I/2W/DROP-IN COLD PANXXXIII/2I/2W/DROP-IN HOT WELLSXXXI/4I/4I/4HOT FOOD SERVING COUNTERXXI/4I/4I/4HOT FOOD SERVING COUNTERXXI/2I/2I/2W/DROP-IN HOT WELLSXXI/4I/4I/4HOT FOOD SERVING COUNTERXXI/4I/4I/4HOT FOOD SERVIN	EVAPORATOR COILXXXIIIISOILED DISHTABLE W/PRE SINK RINSEXXX1/21/2IDISPOSERXXX1/21/2IHOSE REEL ASSEMBLYXXX1/21/2IDISHWASHERXXX1/2IIEXHAUST HOODXXX1/2IIHOT WATER BOOSTERXXX3/8IIHAND SINKII1/21/21/2IWORK TABLE W/UNDERSHELF & SINKII1/21/2IWORK TABLE W/UNDERSHELF & SINKIIIIIWORK TABLE W/UNDERSHELF & SINKIIIIIWORDP-IN COLD PANXXIIIIW/DROP-IN HOT WELLSXXIIIIW/DROP-IN HOT WELLSXXIIIIW/DROP-IN HOT/COLD PANXXIIIIW/DROP-IN HATED SHELFXXIIIIW/DROP-IN HEATED SHELFXXIIIIX/SWORK TABLE W/INDERSHELF & SINKXIIII	EVAPORATOR COILXXXIII1SOILED DISHTABLE W/PRE SINK RINSEXXX11/2122DISPOSERXXX11/211/211/211/2HOSE REEL ASSEMBLYXXX11/211/21211/2DISHWASHERXXX11/211/222EXHAUST HOODXXX11/211/222HOT WATER BOOSTERXXX31/831/831/8HAND SINKXX11/211/211/211/2WORK TABLE W/UNDERSHELF & SINKXX11/211/211/2WORK TABLE W/UNDERSHELF & SINKXX11/211/211/2WORDP-IN COLD PANXX11/211/211/211/2W/DROP-IN HOT WELLSXX11/411/41W/DROP-IN HOT/COLD PANXX11/411/41HOT FOOD SERVING COUNTERXX11/411/41W/DROP-IN HEATED SHELFXX11/211/2W/DROP-IN HEATED SHELFXX11	EVAPORATOR COILXXXII11SOILED DISHTABLE W/PRE SINK RINSEXXXI/21/221DISPOSERXXXI/21/21/21/21/21HOSE REEL ASSEMBLYXXX1/21/21/2111DISHWASHERXXX1/21/221111DISHWASHERXXX1/21/2211111HOT WATER BOOSTERXXX3/83/83/83/8111	EVAPORATOR COILXXXIIIISOILED DISHTABLE W/PRE SINK RINSEXXXI/2I/22IDISPOSERXXXI/2I/2I/2I/2I/2IHOSE REEL ASSEMBLYXXI/2I/2I/2IIIIDISHWASHERXXXI/2I/2IIIIIDISHWASHERXXXI/2I/2IIIIIIHOT WATER BOOSTERXXX3/8III<

KITCHEN PLUMBING GENERAL NOTES:

REQUIREMENTS WITH HOOD SUPPRESSION SYSTEM SUPPLIER.

2. REFER TO FOOD SERVICE EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION. 3. FINAL CONNECTIONS TO ALL EQUIPMENT SHALL BE BY PLUMBING CONTRACTOR.

4. PROVIDE WASTE P-TRAPS AT ALL DIRECT WASTE PIPING CONECTIONS TO EQUIPMENT OR TROUGHS. 5. FOOD SERVICE DRAWINGS FS SERIES ARE PART OF THIS CONTRACT. PLUMBING CONTRACTOR MUST REVIEW THEM FOR ALL PLUMBING CONECTIONS, LOCATIONS, AND EQUIPMENT PIPING REQUIREMENTS.

6. PLUMBING CONTRACTOR TO PROVIDE & INSTALL CONDENSATE DRAINS W/ P-TRAPS FROM EVAPORATORS IN REFRIGERATOR & FREEZER TO EMPTY TO FLOOR SINK. 7. PROVIDE ISOLATION VALVES ON ALL HOT & COLD WATER SUPPLIES TO EQUIPMENT AND UNIONS FOR EQUIPMENT REMOVAL. PROVIDE WATER HAMMER ARRESTORS AT QUICK CLOSING VALVE SUPPLIES PROVIDE ISOLATION VALVES ON ALL HOT & COUD WATER SUPPLIES TO EQUIPMENT AND UNIONS FOR EQUIPMENT REMOVAL. PROVIDE WATER HAMMER ARRESTORS AT QUICK CLOSING VALVE SUPPLIES TO EQUIPMENT AS REQUIRED. INSTALL ALL PLUMBING PIPE ACCESSORIES SUPPLIED WITH KITCHEN EQUIPMENT INCLUDING VACUUM BREAKERS, SINK TAILPIECES, P-TRAPS, AND LEVER WASTES.
 PROVIDE FLOOR SINKS WITH HALF-GRATE COVERS WHEN INDIRECT WASTES DISCHARGE DIRECTLY INTO THEM. PROVIDE FUNNEL DRAINS FOR FLOOR SINKS WITH SMALL INDIRECT WASTES.
 PLUMBING CONTRACTOR TO SUPPLY AND INSTALL EMERGING VALVE SUPPLIED WITH MANUAL RESET WIRED BY OTHERS. SUPPRESSION CONTROL PANEL. COORDINATE PROPER VALVE ELECTRICAL

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1. THESE NOTES APPLY TO THE PLUMBING CONTRACTORS SCOPE OF WORK. CONTRACTOR SHALL FURNISH AND INSTALL MATERIALS, DEVICES AND EQUIPEMNT AS REQUIRED AND NOTED BELOW.







ITEM #	QTY.	DESCRIPTION		ENDOR/OWNER		EC	ENDOR/OWNER		IOT WATER SIZE (IN.)	IOT WATER GPH	OLD WATER SIZE (IN.)	OMESTIC WATER	IRECT DRAIN SIZE (IN.)	VDIRECT DRAIN SIZE (IN.)	SAS SIZE (IN.)	EQUIPMENT REMARKS
CA-03	9	HAND SINK WALL MOUNT	×	>	0	X	>		1/2		1/2		 1 1/2	4		3
CA-03	1	EXHAUST HOOD	x			x			1/2		1/2		1 1/2			5
CA-05	1	RANGE, RESTAURANT, GAS	X			x									3/4	4
CA-06	1	COMBIOVEN	X			X					3/4			2	1	1,3,4
CA-07	1	CONVECTION OVEN	X			X					1/4					3
CA-08	1	DECK OVEN	X			X					1/2					3
CA-09	1		X						1/0		1/4			1 4 /0		ა 13
CA-14 CA-24	1	WORK TABLE W/ SINK WALK-IN COOLER (+35 DEG. FAHRENHEIT)	x			x			1/2		1/2			1 1/2		1,5
		CONDENSING UNIT EVAPORATOR COIL	X X			X X								3/4		1
CA-25		VVALK-IN FREEZER (-10 DEG. FAHRENHEIT)	X X			X X								0/4		1
CA-26	1	WALK-IN COOLER (+35 DEG. FAHRENHEIT)	x x			x								3/4		
		CONDENSING UNIT	X			X X								3/4		1
CA-30	1		X			X			1/2		1/2			1 1/2		1.3
CA-32	2	COUNTERTOP GRIDDLE	X			X			172		172			1 1/2	3/4	4
CA-33	2	EQUIPMENT STAND, REFRIGERATED BASE	X			X								1/2		1
CA-34	2	CHARBROILER	X			X									3/4	4
CA-35	2	RANGE, RESTAURANT, GAS	Х			Х									3/4	4
CA-36	1	DECK PIZZA OVEN	X			X									(2) 3/4	4
CA-41	1		X			X			4/0		4/0			0	0/4	1004
CA-43	1		X			X			3/8		3/8			2 1 1/2	3/4	1,2,3,4
CA-45	1	OVEN, CONVECTION, GAS	X			X								1 1/2	(2) 3/4	4
CA-46	1	OVEN-STEAMER, COMBINATION	X			X					(2) 1/2			(2) 2	(2) 3/4	1,2,3,4
	2	FILTER SYSTEM, STEAMER	Х			Х					3/8			3/8		1,2,3,4
CA-47	1	CONVECTION OVEN	X			X									(2) 3/4	4
CA-48	1	FRYER, DEEP FAT, GAS	X			X									(2) 3/4	4
CA 40	1		X			X										
CA-55	1	COUNTER W/ SINK	x			X			1/2		1/2		1 1/2			3
CA-57	1	COFFEE BREWER	X			X					1/4					
CA-58	1	TEA BREWER	X			X					1/4					3
CA-64	2	COUNTERTOP HOT PLATE	X			X									3/4	4
CA-65	1		X												1/2	
CA-00	1	POT & PAN WASHING SINK ASSEMBLY	X X			X X			1/2		1/2	(2) 2				REFER TO FS-TO FOR DETAILS
CA-74	2	DISPOSER	X			X			1/2		1/2	(~) ~	1 1/2			3
CA-75	2	HOSE REEL ASSEMBLY	X			X			1/2		1/2					3
CA-77	1	VEGETABLE PREP SINK ASSEMBLY	X			X			1/2		1/2			1 1/2		1,3
CA-80	1	S/S COUNTER W/ SINK	X			X			1/2		1/2			1 1/2		1,3
CA-82	1		X								1/2			1/2		1,3,4
CA-83	   1	DISPOSER	X X			X X		<u> </u>			1/2		1 1/2			3
CA-85	1	DISHWASHER	X			X			3/4		1/2		ı ı/∠	1 1/2		1
CA-86	1	EXHAUST HOOD	···											· ·/-		
CA-87	1	HOT WATER BOOSTER	X			X			1/2					3/8		1
REMARK 1. PIPE I 2. FURN 3. PROV 4. PROV 5. PROV 6. PROV	<u>(S:</u> ISH ANI IDED B IDE ISC IDE 1/2 IDE ISC	FLOOR SINK. D INSTALL BACKFLOW PREVENTER ON WATER SUPP Y DIVISION 22. DLATION VALVE ON WATER SUPPLY. "FILTERED WATER SUPPLY. DLATION VALVE AND FLEX CONNECTION FROM GAS H	LY TO E		MENT/F	IXTURI	E.									
KITCH	IEN F	PLUMBING GENERAL NOTES:				_	_	_		_		_	_			

A FROMIDE ISOLATION VALVES ON ALL FIOT & COLD WATER SOFFLIES TO EQUIPMENT AND UNIONS FOR EQUIPMENT REMOVAL. PROVIDE WATER HAMMER ARRESTORS AT QUICK CLOSING VALVE SUPPLIES TO EQUIPMENT AS REQUIRED. INSTALL ALL PLUMBING PIPE ACCESSORIES SUPPLIED WITH KITCHEN EQUIPMENT INCLUDING VACUUM BREAKERS, SINK TAILPIECES, P-TRAPS, AND LEVER WASTES.
 PROVIDE FLOOR SINKS WITH HALF-GRATE COVERS WHEN INDIRECT WASTES DISCHARGE DIRECTLY INTO THEM. PROVIDE FUNNEL DRAINS FOR FLOOR SINKS WITH SMALL INDIRECT WASTES.
 PLUMBING CONTRACTOR TO SUPPLY AND INSTALL EMERGENCY GAS SOLENOID VALVE WITH MANUAL RESET WIRED BY OTHERS. SUPPRESSION CONTROL PANEL. COORDINATE PROPER VALVE ELECTRICAL REQUIREMENTS WITH HOOD SUPPRESSION SYSTEM SUPPLIER.

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		A	R COMPRESS	SOR SCHEDULE				SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	COMPONENTS AND ACCESSORIES	MOUNTING HEIGHT	REMARKS	SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION		MOUNTING HEIGHT	REMARKS
MANUFACTURER/ MODEL NUMBER INGERSOLL RAND #RS30N	TYPE LOCA DUPLEX COMPR RO (ARE	TION SEF	VING CFM / PSIC TO- TO- TVE DPS 125 F	CITY MAX AT PRESSURE G PSIG	WEIGHT CAPACI GALLON 1720 LBS HORIZON	TY SELEC DATA HP-VOLTS- PHTAL40/480V/3PH	REMARKS #1,2,3,4,6	<u>CO-1</u>	JR. SMITH MODEL # 4532S-U	CLEANOUT: CAST IRON TEE WITH TAPER THREAD-BRONZE PLUG.	VANDAL PROOF SCREWS	-	#6,10	<u>INT-2</u>	JR. SMITH 8525	OIL INTERCEPTOR: STEEL INTERCEPTOR WITH GRAY DUCO COATING INSIDE AND OUTSIDE. 25 GPM,	ANCHOR FLANGE, NO- HUB ADAPTER	-	-
INGERSOLL RAND #R45N	DUPLEX MEC ROO	CH REMA	INDER 130 C F @ DING 100 F	FM - 'SI	1720 LBS HORIZON	TAL 60/480V/3PH	#1,2,3,4,6						#6.40			FLOW CONTROL FITTING			
RIC DRIVE IANT TO OSHA AND UL STAN DE AIR DRYER DE CONDENSATE SEPARAT( DE CONDENSATE SEPARAT(	NDARDS	CS-3 INGERS	DLL RAND MODE	EL PSG-30				<u>CO-2</u>	ORION MODEL # COA/CPC	ACID WASTE CLEANOUT: PIPE/PVDG WITH TAPER THREAD-PLUG.			<i>#</i> 0,10	<u>RD-1</u>	WATTS MODEL #RD-100-NH-B- D-F-L-K	ROOF DRAIN: EPOXY COATED, CAST IRON BODY WITH CAST IRON DOME, NO HUB OUTLET. OUTLET SIZE SHALL BE INDICATED ON DRAWINGS.	UNDER DECK CLAMP, VANDAL PROOF DOME, SUMP RECEIVER. EXTENSION SLEEVE FOR ROOF INSULATION.	-	#6
								<u>DN-1</u>	WATTS MODEL # RD-940	DOWNSPOUT NOZZLE: TYPE 304 STAINLESS STEEL DOWNSPOUT COVER WITH SECURING ELANGE	-	24" ABOVE FINISHED GRADE UNLESS INDICATED OTHERWISE	#6	<u>RD-2</u>	WATTS MODEL #RD-700-CT-B- D-F-L	ROOF DRAIN: COMBINATION PRIMARY SECONDARY DRAINS, EPOXY COATED, CAST	UNDER DECK CLAMP, VANDAL PROOF DOME, SUMP RECEIVER.	-	#6
MANUFACTURER/ MODEL NUMBER	TYPE LOCA	TION SERVI	AIR DRYER S CAPACIT IG CFM AT PSIG	Y MAX PRESSURE PSIG	WEIGHT FLA	ELEC DATA KW-VOLTS- PH	REMARKS			AND PERFORATED HINGED STRAINER.		COORDINATE WITH ARCHITECT				IRON DODT WITH CAST IRON DOME, NO HUB OUTLET. OUTLET SIZE SHALL BE INDICATED ON DRAWINGS	FOR ROOF INSULATION.		
INGERSOLL RAND #D170EC	- ME RO	CH AC-	100 CFM @ 100 PSI	1		0.96/120V/1PH	#1,2	<u>DNT-1</u>	ZURN MODEL# Z9A-NT-200Z9A-NT-200	DILUTION/ACID NEUTRALIZATION TANK: POLYETHELENE TANK, 200 GALLONS, BOLTED COVER, 4"	PROVIDE EXTRA 1,700 LBS OF LIME FOR OWNER'S FUTURE USE	-	-	<u>RPBP-1</u>	WATTS MODEL # 909-QT-S 3/4" TO 2"	REDUCED PRESSURE BACKFLOW PREVENTER: BRONZE OR CAST BODY WITH CORPOSION	SHUTOFF VALVES: UP TO 2" - BRONZE BODY BALL VALVES, OVER 2" - OS&Y GATE VALVE.	MAXIMUM OF 5' 0" ABOVE FINISHED FLOOR.	#5,6
RAND #D255NC	- ME ROC	CH AC-2	00 PSI	-		1.29/120V/1PH	#1,2	<u>ET-1</u>	AMTROL	INLET/OUTLET, 3" VENT, 36" DIAMETER, 48" HEIGHT. <u>EXPANSION TANK:</u>	-	-	#4	TD-1	JR. SMITH # 9940	RESISTANT INTERNAL PARTS AND SST SPRINGS.	-		
C DRIVE WITH POWER COF NT TO OSHA AND UL STAN	DRD NDARDS								MODEL # ST-120V-C	STEEL TANK, 66 GALLON, POLYPROPYLENE LINER ASME CONSTRUCTED, PRECHARGED.						PRE-SLOPED, 6" WIDE ZIP TRENCH, ADA COMPLIANT, REINFORCED STAINLESS STEEL SLOTTED GRATE. LOAD CLASS "E" RATED ASSEMBLY.			
			PLUMBIN	IG FIXTURE CONN	ECTION SCHEDULE			<u>FCO-1</u>	JR. SMITH MODEL # 4023S-PB-U	FLOOR CLEANOUT: CAST IRON BODY, ROUND ADJUSTABLE	FLASHING CLAMP FOR CARPETED FLOORS	-	#6,11	<u>TP-1</u>	PRECISION PLUMBING "PRIME-RITE" MODEL # PTS-4	TRAP PRIMER: ELECTRIC PRIMING MANIFOLD,	FURNISH MODEL REQUIRED FOR THE NUMBER OF FLOOR	-	#2,4
DF	FIXTURI TYPE RINKING FOUNTAIN	Ξ	WASTE CONNECTIO 1 1/2"	DN VENT CONNECTIO 1 1/2"	ON COLD WATER CONNECTION 1/2"	HOT WATER CONNECTION	TEPID WATER -			SCORIATED POLISHED BRONZE TOP, FLANGE GASKET INSIDE, CAULK OUTSIDE. VANDAL PROOF &						INTERNAL VACUUM BREAKER, 1/2" INLET AND OUTLET. SERVES 4-12 DRAINS. SOLENOID VALVE 120V, 6 WATTS, 60Hz	DRAINS SHOWN ON THE DRAWINGS.		
	RINKING FOUNTAIN	(2 BOWL) ER	1 1/2" (2)	1 1/2" (2)	1/2" (2)	- 1"	- 1 1/4"	<u>FCO-2</u>	ORION MODEL # COA/CPC	FLOOR CLEANOUT:         ACID WASTE         CLEANOUT: PPE/PVDF         WITH TAPER THREAD-         PLUG	-	-	#6,11	<u>TV-1</u>	POWERS INTELLISTATION MODEL # LFIS200	THERMOSTATIC MIXING VALVE: THERMOSTATIC HI-LOW WATER CONTROLLER, TEMPERATURE RANGE:	PRE-PIPED ASSEMBLY INCLUDING PRESSURE/TEMP GAUGES, BYPASS RECIRCULATION PUMP,	-	#4
	ANITORS MOP BASI	N	2"	1 1/2"	1/2"	1/2"	-									90°F-160°F, 5 PSIG PRESSURE DROP AT 96 GPM.	BALANCE VALVES, ASSEMBLY MOUNTED ON UNISTRUT.		
SIN	INK RINAL		1 1/2" 2"	1 1/2"	1/2" 3/4"	-	-	<u>FLD-1</u>	JR. SMITH MODEL # 2010C-U-P050	FLOOR DRAIN: CAST IRON BODY, ROUND ADJUSTABLE NICKEL BRONZE STRAINER, FLASHING COLLAR,	FURNISH WITH VANDAL PROOF GRATE, TRAP PRIMER CONNECTION	-	#6,9,13	<u>TV-2</u>	POWERS INTELLISTATION MODEL # LFIS150	THERMOSTATIC MIXING VALVE: THERMOSTATIC WATER CONTROLLER, TEMPERATURE RANGE: 0°F-140°F, 5 PSIG PRESSUBE DROP AT 60	PRE-PIPED ASSEMBLY INCLUDING PRESSURE/TEMP GAUGES, BYPASS RECIRCULATION PUMP, BALANCE VALVES, ASSEMBLY MOUNTED	-	#4
	OSE BIB (CW NLY) OSE BIB (CW & W)	JSH VALVE)	-	-	1/2"	1/2"	-	FLD-2	JR. SMITH MODEL # 2250-U	CONNECTIONS, AND SEDIMENT BUCKET. FLOOR DRAIN: CAST IRON BODY,	FURNISH WITH VANDAL PROOF	-	#6,9,13	<u>TV-3</u>	BRADLEY MODEL # S19-2200	THERMOSTATIC MIXING VALVE:	ON UNISTRUT.	-	#4
<u>NC</u> 1.   2.	<u>OTES:</u> . REFER TO ARCHIT . ALL PIPE TRAPS A	ECTURAL DRA	WINGS FOR ALI	_ PLUMBING FIXTURE	E MOUNTING HEIGHTS. TED BRASS.					ROUND ADJUSTABLE HEAVY DUTY CAST IRON BAR GRATE, FLASHING COLLAR, TRAP PRIMER CONNECTION, AND SEDIMENT BUCKET.	CONNECTION					WATER CONTROLLER, TEMPERATURE RANGE: 65°F-95°F, 5 PSIG PRESSURE DROP AT 22 GPM SET TEMPERATURE AT 70°F.	VALVES, TEMPERATURE GAUGE RECESSED MOUNTING BOX WITH LOCK.		
		WATER HA						<u>FLD-3</u>	ZURN MODEL # Z9A-FD2-4Z9A-FD2-4	FLOOR DRAIN: POLYPROPYLENE BODY WITH BOTTOM OUTLET, POLYPROPYLENE INVERTIBLE MEMBRANE CLAMP W/ ADJUSTABLE STAINLESS STEEL HEAD AND GRATE.	FURNISH WITH VANDAL PROOF GRATE, TRAP PRIMER CONNECTION	-	#6,9,13	<u>W-1</u>	SYMMONS MODEL # W-602 LAUNDRY - MATE WITH PRECISION PLUMBING MODEL # SC-500 THROUGH #SC-1500	WASHER BOX: SUPPLY & DRAIN FITTING W/ LEVER OPERATION, 2" WASTE OUTLET, RECESSED IN WALL. WATER HAMMER ARRESTOR: BARREL FABRICATED OF TYPE "K' HARD DRAIN, COPPER, W/ "O" RING SEALS	3/4" THREADED HOSE CONNECTIONS, FURNISH WITH WHA-1 BRASS PISTON AND 3/4" THREADED ENDS.	-	#4
SYN WF	MBOL MANUFAC MODEL N /HA-1 MODE SC-5 /HA-2 MODE	CTURER/ S IUMBER N. EL# 1 00 EL# 3	ZE OVERALL 2" 5"	PRELOADE D     FIX UN       PSI (AIR)     1       60     1	TURE NTS         REMARKS           -11         1,2,3,4           2-32         1,2,3,4			<u>FS-1</u>	JR. SMITH MODEL #3100C-13	FLOOR SINK: 6" DEEP RECEPTOR, NICKEL-BRONZE RIM, CAST IRON DOME STRAINER, AND FLASHING CLAMP.	8 1/2" SQUARE NICKEL BRONZE TOP WITH 3/4" VANDAL PROOF GRATE. PROVIDE SURE SEAL TRAP SEAL.	-	#6,9,13	<u>WCO-1</u>	JR SMITH MODEL # 4402C-U	WALL CLEANOUT: DUCO CAST IRON, SPIGOT FERRULE CAST BRONZE THREAD PLUG, STAINLESS STEEL ROUND COVER AND SCREW.	VANDAL PROOF SCREWS.	-	#6,12
WF WF WF	IHA-3 IHA-3 IHA-4 IHA-4 IHA-5 IHA-5 IHA-5 IHA-5 IHA-5 IHA-5 IHA-5 IHA-5 IHA-5 IHA-5 IHA-5 IHA-5 IHA-5 IHA-1 IH	50 EL# 000 EL# 1 250 EL# 1 50 EL# 1 50 EL# 1	" 6 3/4" /4" 8 3/4" /2" 10 1/4"	60         33           60         61           60         114	3-60     1,2,3,4       -113     1,2,3,4       4-154     1,2,3,4			<u>GT-1</u>	T & S MODEL # BL-4200-01	GAS TURRET: ADA COMPLIANT, 3 5/8" HEIGHT, 2 3/16" DIAMETER BASE WITH BALL VALVE HOSE COCK AND SERATED TIP, PLASTIC GASKET.	FURNISH WITH SNAP- IN INDEX, AIR, VAC, OR GAS AS APPLICABLE.	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, QUANTITIES AND MOUNTING HEIGHTS.	#4	WHA-1	PRECISION PLUMBING MODEL # SC-500 THROUGH # SC-1500	WATER HAMMER ARRESTOR: BARREL FABRICATED OF TYPE "K" HARD DRAIN, COPPER, WITH "O" RINGS SEALS.	BRASS PISTON AND THREADED ADAPTER	-	#8
WH NO 1. 2. 3. 4.	VHA-6 VHA-6 DTES : LOCATE WATER INSTALL PER ALL LOCATE IN AN AC FIXTURE UNITS S INTERNATIONAL	HAMMER ARR MANUFACTU CESSIBLE LO HALL BE BASI	" 10 7/8" STORS AS CLC ERS WRITTEN CATION, PROVIE D ON THE LATE	60 155 DSE AS POSSIBLE TO INSTALLATION INSTF DE ACCESS AS REQU EST ADOPTED VERSI	5-330 SHOCK SOURCE. RUCTIONS. JIRED. ON OF THE			<u>HB-1</u>	WOODFORD MODEL # B26	HOSE BIB: BACKFLOW PROTECTED BRONZE BODY, CHROME PLATED HANDWHEEL.	3/4" THREADED HOSE CONNECTION.	18" ABOVE FLOOR	#4	WHYD-1	WOODFORD MODEL # B67	WALL HYDRANT: VACUUM BREAKER, FREEZE PROOF, FLUSH MOUNTING BOX WITH HINGED COVER, CHROME PLATED.	3/4" THREADED HOSE CONNECTION.	24" ABOVE GRADE.	#3,4
	IIN I ERINA HUNAL		<i>у</i> ∟.					<u>INT-1</u>	JR. SMITH MODEL # 8730-T	SEDIMENT INTERCEPTOR: SUSPENDED TYPE, CAST IRON BODY, ALUMINUM STRAINER AND REMOVABLE STAINLESS STEEL SCREENS, 1/4" DRAIN	-	BELOW FIXTURE	#7	WHYD-2	WOODFORD MODEL # B75	WALL HYDRANT: VACUUM BREAKER, FLUSH MOUNTING BOX WITH HINGED COVER, CHROME PLATED.	3/4" THREADED HOSE CONNECTION.	24" ABOVE GRADE.	#3,4

	AIR DRYER SCHEDULE									
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	SERVING	CAPACITY CFM AT PSIG	MAX PRESSURE PSIG	WEIGHT	FLA	ELEC DATA KW-VOLTS- PH	REMARKS
<u>ACD-1</u>	INGERSOLL RAND #D170EC	-	MECH ROOM	AC-1	100 CFM @ 100 PSI	-	-	-	0.96/120V/1PH	#1,2
ACD-2	INGERSOLL RAND #D255NC	-	MECH ROOM	AC-2	150 CFM @ 100 PSI	-	-	-	1.29/120V/1PH	#1,2
REMARKS:	•	•		•	•	•	•	•		-

PLUMBING FIXTURE CONNECTION SCHEDULE									
FIXTURE TYPE	WASTE CONNECTION	VENT CONNECTION	COLD WATER CONNECTION	HOT WATER CONNECTION	TEPID WATER				
DRINKING FOUNTAIN	1 1/2"	1 1/2"	1/2"	-	-				
DRINKING FOUNTAIN (2 BOWL)	1 1/2" (2)	1 1/2" (2)	1/2" (2)	-	-				
EMERGENCY SHOWER	-	-	1"	1"	1 1/4"				
JANITORS MOP BASIN	2"	1 1/2"	1/2"	1/2"	-				
LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	-				
SINK	1 1/2"	1 1/2"	1/2"	1/2"	-				
URINAL	2"	1 1/2"	3/4"	-	-				
WATER CLOSET (FLUSH VALVE)	4"	2"	1 1/2"	-	-				
HOSE BIB (CW ONLY)	-	-	1/2"	-	-				
HOSE BIB (CW & HW)	-	-	1/2"	1/2"	-				

	WATEF	r hamme	ER ARREST	OR SCHEDU	LE				
SYMBOL	MANUFACTURER/ MODEL NUMBER	SIZE N.P.T.	OVERALL LENGTH	PRELOADE D PSI (AIR)	FIXTURE UNITS	REMARKS			
WHA-1	PPP MODEL# SC-500	1/2"	5"	60	1-11	1,2,3,4			
WHA-2	PPP MODEL# SC-750	3/4"	6"	60	12-32	1,2,3,4			
WHA-3	PPP MODEL# SC-1000	1"	6 3/4"	60	33-60	1,2,3,4			
WHA-4	PPP MODEL# SC-1250	1 1/4"	8 3/4"	60	61-113	1,2,3,4			
WHA-5	PPP MODEL# SC-1500	1 1/2"	10 1/4"	60	114-154	1,2,3,4			
WHA-6	PPP MODEL# SC-2000	2"	10 7/8"	60	155-330	1,2,3,4			
NOTES : 1. LOCA 2. INST. 3. LOCA 4. FIXTU INTE	SC-2000       NOTES :         1.       LOCATE WATER HAMMER ARRESTORS AS CLOSE AS POSSIBLE TO SHOCK SOURCE.         2.       INSTALL PER ALL MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.         3.       LOCATE IN AN ACCESSIBLE LOCATION, PROVIDE ACCESS AS REQUIRED.         4.       FIXTURE UNITS SHALL BE BASED ON THE LATEST ADOPTED VERSION OF THE INTERNATIONAL PLUMBING CODE								

6. REFER TO FLOOR PLANS FOR SIZES.

SP = SUBMERSIBLE PUMP

	PUMP SCHEDULE								
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	SYSTEM SERVED	CAPACITY	CAPACITY FT OF HEAD	FLUID TEMP (F°)	ELEC. DATA HP-V-PH	REMARKS
HWRP-1	TACO 1616 CIRCULATOR	IL	BOILER ROOM	DOMESTIC 110°F HWR	-	-	110°F	3/4-200V-3ø	ALL
HWRP-2	TACO 1615 CIRCULATOR	IL	BOILER ROOM	DOMESTIC 140°F HWR	-	-	140°F	3/4-200V-3ø	ALL
<u>NOTES:</u> IL = IN-LINE F	NOTES: IL = IN-LINE PUMP								

GAS FIRED WATER HEATER SC										
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	FUEL TYPE	btuh Input	STORA CAP (GAL				
WH-1	PVI MODEL # 100 L 130-GCML	S	BOILER ROOM	GAS	999,000	130				
WH-2	PVI MODEL # 100 L 130-GCML	S	BOILER ROOM	GAS	999,000	130				
NOTES:		-								
S= STOR	AGE									

REMARKS: 1. PUMP SHALL BE BRONZE FOR DOMESTIC WATER USE. 2. PROVIDE WITH THERMOSTATIC MIXING VAVLE (<u>TV-1</u>)

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IANUFACTURER/	DESCRIPTION		MOUNTING HEIGHT	REMARKS	SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION OF FIXTURE		REMARKS	SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION OF FIXTURE
SMITH 8525	OIL INTERCEPTOR: STEEL INTERCEPTOR WITH GRAY DUCO COATING INSIDE AND OUTSIDE. 25 GPM, FLOW CONTROL FITTING	ACCESSORIES ANCHOR FLANGE, NO- HUB ADAPTER	-	-		FURNISHED UNDER DIVISION 11, INSTALLED BY PLUMBING CONTRACTOR.	SCIENCE LABORATORY SINK: STANDARD	PLUMBING CONTRACTOR SHALL INSTALL FITTINGS AND DEVICES AS SPECIFIED ON EQUIPMENT DRAWINGS.	#2,3,4,10	<u>L-3</u>	BRADLEY MODEL #LVRD-3	LAVATORY: ACCESIBLE THREE STATIONS 30" ON CENTER, QUARTZ SURFACE, VANDAL RESISTANT
TTS DEL #RD-100-NH-B- L-K	ROOF DRAIN: EPOXY COATED, CAST IRON BODY WITH CAST IRON DOME, NO HUB OUTLET. OUTLET SIZE SHALL BE INDICATED ON DRAWINGS.	UNDER DECK CLAMP, VANDAL PROOF DOME, SUMP RECEIVER. EXTENSION SLEEVE FOR ROOF INSULATION.	-	#6	<u>ES-2</u>	FURNISHED UNDER DIVISION 11, INSTALLED BY PLUMBING CONTRACTOR.	SCIENCE LABORATORY SINK: STANDARD	PLUMBING CONTRACTOR SHALL INSTALL FITTINGS AND DEVICES AS SPECIFIED ON EQUIPMENT DRAWINGS.	#2,4,10	<u>S-1</u>	ELKAY "LUSTERTONE" MODEL # ELUHAD191650	SINK: ACCESSIBLE, UNDERMOUNT, 18 GAUGE TYPE 304 SST, 5" DEEP, REAR OFFSET DRAIN LOCATION.
TTS DEL #RD-700-CT-B- L	ROOF DRAIN: COMBINATION PRIMARY SECONDARY DRAINS, EPOXY COATED, CAST IRON BODY WITH CAST IRON DOME, NO HUB OUTLET. OUTLET SIZE SHALL BE INDICATED	UNDER DECK CLAMP, VANDAL PROOF DOME, SUMP RECEIVER. EXTENSION SLEEVE FOR ROOF INSULATION.	-	#6		BRADLEY MODEL # S1944022ABC	EYEWASH: WALL MOUNTED DUAL PURPOSE STATIONARY OR REMOVABLE EYE/FACE WASH.12' HOSE, DUAL SPRAY HEADS, FLOWS 3.9-5.9 GPM AT 30-90 PSI.	1/2" CHROME PLATED BRASS STAY OPEN BALL VALVE, STAINLESS STEEL FLAG HANDLE. FURNISH WITH BRADLEY EFX8-219-2000 THERMOSTATIC MIXING VALVE (1/2" H&CW SUPPLY)	#3,4,11	<u>S-2</u>	FURNISHED UNDER DIVISION 11, INSTALLED BY PLUMBING CONTRACTOR.	SCIENCE LABORATORY SINK: STANDARD
rts DEL # 909-QT-S 3/4" 2"	ON DRAWINGS REDUCED PRESSURE BACKFLOW PREVENTER: BRONZE OR CAST BODY WITH CORROSION RESISTANT INTERNAL PARTS AND SST SDBUCS	SHUTOFF VALVES: UP TO 2" - BRONZE BODY BALL VALVES, OVER 2" - OS&Y GATE VALVE.	MAXIMUM OF 5' 0" ABOVE FINISHED FLOOR.	#5,6	EWC-1	ELKAY MODEL # LVRCTL8WS	ELECTRIC WATER COOLER: ACCESSIBLE, DOUBLE BOWL, VANDAL- RESISTANT, SURFACE MOUNTED, 120V-10, 14 GAUGE SST, FRONT PUSH BARS, 5 LB, FORCE BUBBLER GUARD, 1 1 GPM BOTTLE	FURNISH WITH HANGER BRACKET AND CANE APRON, - REPLACEMENT FILTERS MODEL 51300C_12PK (ONE 12 PACK PER FIXTURE)	#3,4	<u>SH-1</u>	BUILT UP SHOWER REFER TO ARCHITECTURAL DRAWINGS.	SHOWER: ACCESSIBLE, MUD SET TILE FLOOR, REFER TO ARCHITECTURAL DRAWINGS.
SMITH # 9940	TRENCH DRAIN: PRE-SLOPED, 6" WIDE ZIP TRENCH, ADA COMPLIANT, REINFORCED STAINLESS STEEL SLOTTED GRATE. LOAD CLASS "E" RATED	-	-		EWC-2	ELKAY MODEL # LZWS-EDFPBM117K	FILLER. ELECTRIC WATER <u>COOLER:</u> ACCESSIBLE, DOUBLE BOWL, VANDAL- RESISTANT, SURFACE MOUNTED, 120V-1Ø, 14 GAUGE SST, FRONT PUSH BARS, 5 LB, FORCE BUBBLER GUARD, 1 1 GPM BOTTLE	- FURNISH WITH HANGER BRACKET AND CANE APRON, - REPLACEMENT FILTERS MODEL 51300C_12PK (ONE 12 PACK PER FIXTURE)	#3,4	<u>SH-2</u>	BUILT UP SHOWER REFER TO ARCHITECTURAL DRAWINGS.	SHOWER: STANDARD, MUD SET TILE FLOOR, REFER TO ARCHITECTURAL DRAWINGS.
CISION PLUMBING ME-RITE" DEL # PTS-4	ASSEMBLY. TRAP PRIMER: ELECTRIC PRIMING MANIFOLD, INTERNAL VACUUM BREAKER, 1/2" INLET AND OUTLET. SERVES 4-12 DRAINS. SOLENOID VALVE 120V, 6 WATTS, 2015	FURNISH MODEL REQUIRED FOR THE NUMBER OF FLOOR DRAINS SHOWN ON THE DRAWINGS.	-	#2,4	EWS-1	BRADLEY MODEL # S19314BFPB	FILLER. EYEWASH SHOWER: BARRIER FREE SHOWER W/ EYEWASH, IMPACT- RESISTANT ABS HEADS DELIVERING 3 GPM MIN AT 30 PSI, IMPACT- RESISTANT PLASTIC BOWL, SHOWER HEAD DELIVERING 20 GPM MIN	1" IPS STAY OPEN BALL         VALVE WITH 4' - 0" PULL ROD         AND HANDLE, 1/2" CROME         PLATED BRASS STAY OPEN         BALL VALVE EPOXY COATED         ALUMINUM FLAG HANDLE.	#3,4,9	<u>U-1</u>	AMERICAN STANDARD "WASHBROOK" MODEL # 6590.001	URINAL: ACCESSIBLE, WALL HUNG, VITREOUS CHINA, 3/4" TOP SPUD, 1/8 GPF SENSOR FLUS VALVE WITH VACUUM BREAKER AND ADJUSTABLE TAU DIECE
/ERS :LLISTATION )EL # LFIS200	60Hz <u>THERMOSTATIC MIXING</u> <u>VALVE:</u> THERMOSTATIC HI-LOW WATER CONTROLLER, TEMPERATURE RANGE: 90°F-160°F, 5 PSIG PRESSURE DROP AT 96 GPM.	PRE-PIPED ASSEMBLY INCLUDING PRESSURE/TEMP GAUGES, BYPASS RECIRCULATION PUMP, BALANCE VALVES, ASSEMBLY MOUNTED ON UNISTRUT.	-	#4	<u>JS-1</u>	FIAT MODEL # MSB-3624	AT 30 PSI. JANITORS SINK: MOLDED STONE BASIN, 24"X36"X10", SST INTEGRAL DRAIN BODY.	SEE REMARK #12	#1,4,12	WC-1	AMERICAN STANDARD "AFWALL" MODEL # 2856.128	WATER CLOSET:         ACCESSIBLE, WALL         HUNG, ELONGATED         BOWL, VITREOUS         CHINA, 1 1/2" REAR         SPUD, 1.28 MAX GPF.
VERS ELLISTATION DEL # LFIS150	THERMOSTATIC MIXING VALVE: THERMOSTATIC WATEF CONTROLLER, TEMPERATURE RANGE: 0°F-140°F, 5 PSIG PRESSURE DROP AT 60 GPM.	PRE-PIPED ASSEMBLY INCLUDING PRESSURE/TEMP GAUGES, BYPASS RECIRCULATION PUMP, BALANCE VALVES, ASSEMBLY MOUNTED ON UNISTRUT.	-	#4		FIAT MODEL # MSB-2424	JANITORS SINK: MOLDED STONE BASIN, 24"X24"X10", SST INTEGRAL DRAIN BODY.	SEE REMARK #12	#2,4	<u>WC-2</u>	AMERICAN STANDARD "AFWALL" MODEL # 2856.128	WATER CLOSET: STANDARD, WALL HUNG, ELONGATED BOWL, VITREOUS CHINA, 1 1/2" REAR SPUD, 1.28 MAX GPF.
DLEY DEL # S19-2200	THERMOSTATIC MIXING VALVE: THERMOSTATIC HI-LOW WATER CONTROLLER, TEMPERATURE RANGE: 65°F-95°F, 5 PSIG PRESSURE DROP AT 22 GPM SET TEMPERATURE AT 70°F.	BRONZE BODY POLISHED CHROME WITH INLET CHECK VALVES, TEMPERATURE GAUGE RECESSED MOUNTING BOX WITH LOCK.	-	#4		AMERICAN STANDARD "LUCERNE" MODEL # 0355.012	LAVATORY: ACCESSIBLE WALL HUNG, 4" SPACED FAUCET HOLES, VITREOUS CHINA, FRONT OVERFLOW	SLOAN MODEL #EAF-100- HLT-ISM-CP-0.5GPM-AER-IR- IQ-FCT SENSOR FAUCET, CHROME PLATED GRID STRAINER, PROVIDE JR SMITH SERIES 700 CONCEALED SUPPORT. TRUEBRO MODEL #2018ASL1	#1,2,3,4,10	<u>WS-1</u>	BRADLEY "SENTRY" MODEL # SN2005-AST4	CIRCULAR WASH STATION: STANDARD, VANDAL PROOF, FLOOR MOUNTED CIRCULAR BOWL, TYPE 304 SST, STATIONS, 0.5 GPM PER STATION.
IMONS DEL # W-602 NDRY - MATE WITH CISION PLUMBING DEL # SC-500 OUGH #SC-1500	WASHER BOX: SUPPLY & DRAIN FITTING W/ LEVER OPERATION, 2" WASTE OUTLET, RECESSED IN WALL. WATER HAMMER ARRESTOR: BARREL FABRICATED OF TYPE "K HARD DRAIN, COPPER,	3/4" THREADED HOSE CONNECTIONS, FURNISH WITH WHA-1 BRASS PISTON AND 3/4" THREADED ENDS.	-	#4		BRADLEY MODEL #LVRD-2	LAVATORY: ACCESIBLE TWO STATIONS 30" ON CENTER, QUARTZ SURFACE, VANDAL RESISTANT	LAVSHIELD FURNISH WITH IR-DCG ELECTRONIC FAUCET W/ 4 ADDITIONAL 6V LITHIUM BATTERIES, STAINLESS STEEL ACCESS PANEL.	#3,4,7			
SMITH DEL # 4402C-U	W/ "O" RING SEALS <u>WALL CLEANOUT:</u> DUCO CAST IRON, SPIGOT FERRULE CAST BRONZE THREAD PLUG, STAINLESS STEEL ROUND COVER AND SCREW.	VANDAL PROOF SCREWS.	-	#6,12								
CISION PLUMBING DEL # SC-500 OUGH # SC-1500	WATER HAMMER ARRESTOR: BARREL FABRICATED OF TYPE "K" HARD DRAIN, COPPER, WITH "O" RINGS SEALS.	BRASS PISTON AND THREADED ADAPTER	-	#8								
ODFORD DEL # B67	WALL HYDRANT: VACUUM BREAKER, FREEZE PROOF, FLUSH MOUNTING BOX WITH HINGED COVER, CHROME PLATED.	3/4" THREADED HOSE CONNECTION.	24" ABOVE GRADE.	#3,4								
ODFORD DEL # B75	WALL HYDRANT: VACUUM BREAKER, FLUSH MOUNTING BOX WITH HINGED COVER, CHROME PLATED.	3/4" THREADED HOSE CONNECTION.	24" ABOVE GRADE.	#3,4	REMARK           1. COLI           2. INST           3. FIXT           4. PRO           5. PRO           6. PRO	S: SR SHALL BE WHITE. ALL TRUEBRO INC. MODE URES AND TRIM AS NOTE VIDE ISOLATION VALVES A VIDE WATER HAMMER AR VIDE SINK WITH REAR OF	L #102, HANDI LAV-GUARD F D SHALL BE "ACCESSIBLE" , AT THE PIPE CONNECTIONS RESTORS AT THE PIPE CON FSET DRAIN TO LEFT OR RI	PROTECTOR ON THE HOT, COLD AND SHALL BE INSTALLED TO AE S. NNECTIONS, LOCATE IN AN ACCE IGHT SIDE FOR ADA COMPLIANCY	AND DRAIN PIPING U A / ANSI A117 AND FE SSIBLE LOCATION. ANSI A117 AND FED	JNDER FIXTUF EDERAL 504 R	E. EQUIREMENTS.	TECTURAL DRAWINGS FOI
N MINIMUM OF 9 1/2 SIZED PER LOAD (V WITH TRAP PRIME E CLEAN OUT AT AL E FLOOR CLEAN OU ALL STORM & SANIT E WCO AT BASE OF RATES SHALL BE 1/	INCHES CLEAR ABOVE IN VSFU) RECOMMENDED BY R CONNECTION AND TRAF L HORIZONTAL TURNS GR T FOR ALL BURIED STORM FARY LATERALS BEFORE E ALL SANITARY AND STORI 2" MAXIMUM SPACING.	TERCEPTOR FOR STRAINE PDI & MANUFACTURER. PRIMER TP-1 EATER THAN 45 DEGREES AND SANITARY PIPING, N EXITING FOUNDATION. M STACKS. FURNISH WITH	ER REMOVAL.	AND SANITARY 00' APART. PROVIDE R COVER.	7. COL 8. REC 9. PRO 10. PLUI 11. FURI 12. PRO 13. SEN: VALV 14. FIXT 15. FURI	OR AS SELECTED BY ARC ESS UNIT IN CONCRETE S VIDE TEPID WATER SUPPI MBING CONTRACTOR SHA NISH FAUCET WITH MIXING VIDE WITH FIAT MODEL #8 EL #889-CC MOP HANGER SOR SHALL BE ADJUSTAB /E, CONTROL MODULE AN URE U-1 SHALL BE ACCES NISH TERRAZO BASE/REC	HITECT, PROVIDE SAMPLES LAB TO MAXIMUM OF 1/2" H LY TO EMERGENCY FIXTUR LL FURNISH & INSTALL H&C G VALVE. INSTALL ALONG V 30-AA SERVICE FAUCET W 30-AA SERVICE FAUCET W 30-AA SERVICE FAUCET W 30-AA SERVICE FAUCET W 30-AA SERVICE TALL ALONG V BODEL EL-208 TRANSFO SIBLE, U-2 SHALL BE MOUN EPTOR WITH 2" DRAIN AND	S. IIGH THRESHOLD. RE. CW SUPPLIES WITH SHUT OFF VA VALL BELOW FIXTURE. ITH VACUUM BREAKER, MODEL # NECTION NO LESS THAN 1" DEEF DID VALVE, CHROME PLATED WA RMER (120 VAC/ 24 VAC). REFER NTED AT A STANDARD HEIGHT, R STRAINER, ZURN MODEL Z415b	LVES, DRAIN AND VE 1453-BB 16 GAUGE S FROM DRAIN TO A 3 LL PLATE AND MODE TO DETAIL #6/E6-1-1 EFER TO ARCHITECT OR APPROVED EQUA	ENT PIPING AT TAINLESS ST WASTE PIPE L EL-154 TRAI FOR ADDITIOI URAL DRAWIN L.	FIXTURE. EEL STRAINER, MODEL # S NSFORMER (120 VAC/24 V NAL INFO. NGS FOR MOUNTING HEIC	1239-BB ALUMINUM BUMPE 'AC) SENSOR SHALL BE AE GHTS.
		GAS FIRED WATER HE	EATER SCHEDU	LE	lun		······	······		····	······	·····
SYMBOL MANU MODE WH-1 PVI I 100 L WH-2 PVI I 100 J	FACTURER/ EL NUMBER TYPE LO MODEL # 130-GCML S E MODEL # 130-GCMI S E	OCATION FUEL BTUF TYPE INPUT BOILER GAS 999,00 BOILER GAS 999,00	I STORAGE CAP. (GAL) 1 0 130 0 130	ECOVERY N GPH AT 00°F RISE 1157 1157 120V-	DATA H-AMP REM 1ø-11 NOTE 1ø-11 NOTE	ARKS E #1,2,3 E #1,2,3			6			
NOTES: S= STORAGE		WITH A MINIMUM OF 4 1/2"	- 14"W.C. GAS PRE	ESSURE.					100% CONST	RUCTION		
2. COORDINATE BURNER IS O 3. WATER HEAT	E WATER HEATER OPERAT IN AND CLOSE WHEN BURI TER SHALL BE PROVIDED \	FION WITH COMBUSTION A NER IS OFF. WITH ELECTRONIC IGNITIC	IR LOUVER, LOUV	ER SHALL OPEN WHEN	WATER HEATER				PLUMBING		ST	ATE OF (
									RI mark date 1 07/23/2019	EVISIONS description ADDENDUM #1	drawing p Cons 811 Middle	orepared by ulting Engineering st., Middletown, CT 06457
											project ADDIT PLAT	TIONS AND RENO TECHNICAL HIG

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~	$\sim$	$\cdots$	*****	$\sim$
	ACC	TRIM AND ESSORIES	REMARKS	
	FURNISH WITH	I IR-DCG	#3,4,7	
	ELECTRONIC F ADDITIONAL 6 BATTERIES, S	AUCET W/ 4 / LITHIUM FAINLESS S PANEL		
	STEEL ACCES	5 PANEL.		
		P 2741		-
	SINGLE 6" LEV GOOSENECK F	ER FAUCET WITH	#2,3,4,6,11	
	CHROME GRID ASSEMBLY # L	DRAIN K-8.		
	PLUMBING CC SHALL INSTAL	NTRACTOR	#2,3,4,10	
	SPECIFIED ON EQUIPMENT D	AS I IRAWINGS.		
	SYMMONS "S	AFETYMIX" MODEL	#3,4,7,8	
	SHOWER AND HOSE WITH V AND SLIDE BA	AR, VANDAL PROOF		
	SHOWER HEA MODEL # 2009	AD, JR SMITH 5 2" DRAIN.		
	SYMMONS "S	AFETYMIX" MODEL	#4 7 8	-
	# C-96-1-295-> PROOF SHOV # 4-295, JR SM	K WITH VANDAL VER HEAD MODEL /ITH MODEL # 2005	#4,7,0	
	2" DRAIN.			
	SLOAN FLUSH 186-ESS-0.123	HVALVE MODEL # 3-DBP-SF-TMO-HW	#1,3,4,5,9,14	
1	JR SMITH 070	U CARRIER		
	SLOAN MODE TMO, SENSO	EL # 111-1.28-ES-S- R FLUSH VALVE W/	#1,3,4,5,13	
	IN LEGRAL ST OVERRIDE & OLSONITE #	VACUUM BREAKER 95SS OPEN FRONT,		
	WALL SUPPO SERIES 0200	DRT JR SMITH		
	SLOAN MODI	EL # 111-1.28-ES-S-	#1,4,5,13	-
	TMO, SENSO INTEGRAL ST OVERRIDE &	R FLUSH VALVE W/ TOP, MECHANICAL VACUUM BREAKER		
	OLSONITE # COVERLESS WALL SUPPO	95SS OPEN FRONT, WHITE SEAT, ORT JR SMITH		
	SERIES 0200			
	FURNISH WIT STEEL COVE DRAIN BODY	TH STAINLESS R ATTACHED TO . PROVIDE AIR	#3,4	
	ADMITTANCE	VALVE.		
				-
E	DRAIN LOCATIO	DNS.		
٦	GUARD PLATE	, MODEL #MSG-3636	WALL GUARD,	
JL	JSTABLE. PRO	/IDE WITH FILTERED	SOLENOID	
				]
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	ONN	ECTIC	UT	
1		/E SERVICES	~ •	
			date	
S	Services, lı	ıc.	05/24/201 scale	9
			1/8" = 1'-0 drawn by	)"
			мор approved by	/
// H	ATIONS SCHOOL		Jvc drawing no	
er	t no.	OSCGR project no	P3-1-	2
jec cn	et no. 1-R	OSCGR project no. 900-0013	P3-1-	2






	1			
			GAS CAPACITY 1"W.C. DROP @ 2"W.C. INLET PRESSURE	
OFFICE	CV FLOW	OPERATING PRESSURE DIFFERENTIAL	1000BTU/CU. FT. OR MORE 0.64 SP. GR. GAS	WATT RATING/CLASS OF COIL INSULATION
SIZE	IZE FACTOR MIN./MAX		BTU/HR.	AC
CLOSED (0	CLOSED WI	HEN DE-ENERGIZED	)) ALUMINUM BODY WITH BUNA '	"N" SEATING
3/4"	4.4	0 - 25 PSI	238,500	11.6/F
3/4"	5.1	0 - 25 PSI	247,500	11.6/F
1-5/8"	21	0 - 25 PSI	1,119,000	14.9/F
1-5/8"	32	0 - 25 PSI	1,730,000	14.9/F
1-5/8"	35	0 - 25 PSI	1,900,000	14.9/F
2-3/32"	60	0 - 25 PSI	3,251,000	14.9/F
	DFFICE SIZE LOSED (1 3/4" 3/4" 1-5/8" 1-5/8" 1-5/8" 2-3/32"	CV FLOW FACTOR           2LOSED (CLOSED WI           3/4"         4.4           3/4"         5.1           1-5/8"         21           1-5/8"         32           1-5/8"         35           2-3/32"         60	OFFICE SIZE         CV FLOW FACTOR         OPERATING PRESSURE DIFFERENTIAL           CUOSED (CLOSED WHEN DE-ENERGIZED           3/4"         4.4         0 - 25 PSI           3/4"         5.1         0 - 25 PSI           1-5/8"         21         0 - 25 PSI           1-5/8"         32         0 - 25 PSI           1-5/8"         32         0 - 25 PSI           1-5/8"         35         0 - 25 PSI           2-3/32"         60         0 - 25 PSI	OFFICE SIZE         CV FLOW FACTOR         OPERATING PRESSURE DIFFERENTIAL         1000BTU/CU. FT. OR MORE 0.64 SP. GR. GAS           XIMIN./MAX.         BTU/HR.           CLOSED (CLOSED WHEN DE-ENERGIZED) ALUMINUM BODY WITH BUNA '           3/4"         4.4         0 - 25 PSI         238,500           3/4"         5.1         0 - 25 PSI         247,500           1-5/8"         21         0 - 25 PSI         1,119,000           1-5/8"         32         0 - 25 PSI         1,730,000           1-5/8"         35         0 - 25 PSI         1,900,000           2-3/32"         60         0 - 25 PSI         3,251,000



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OLTAGE W	'IRING	
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	-PROVIDE SERVICE CAP FOR PROPANE TANK. ACCESS IN PARKING AREA.	
	-PRESSURE GAUGE	
	-500 GALLON STEEL LIQUEFIED PETROLEUM GAS STORAGE TANK ASME RATED WITH CORROSION RESISTANT COATING AND CATHODIC PROTECTION.	
	-PAD WIDTH TO BE 12" MIN PER SIDE LARGER THAN TANK WIDTH FOR ANCHOR BOLT LENGTH TO BE EQUAL TO TANK LENGTH. 70 CU. FT. OF CONCRETE PAD PER 1000 GAL. OF TANK VOLUME	
	-PROVIDE 6X6 WWM WITH REBAR REINFORCED CONCRETE PAD. REI STRUCTURAL/CIVIL ENGINEERS DF	FER TO RAWINGS.
·····	······	m
CO	NNECTICU RATIVE SERVICES	Γ
ng Serv	ices, Inc.	date 05/24/2019 scale NTS drawn by
OVATIO IGH SC	DNS HOOL	MDP approved by Jvc drawing no.
project no.	OSCGR project no.	P4-1-1

BI-RT-878 CM-R

900-0013





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		R	EVISIONS		
	mark	date	description		
E	1	07/23/2019	ADDENDUM #1		
/				project	
				ADDITIONS AND PLATT TECHNIC 600 Orange Avenue Milford	D RENC CAL HIC 1, CT 06461
				CAD no.	DCS pr ві-ят-87

NICAL NOTES
-3 FOR SYMBOL LIST AND SCHEDULES.
8 & M4-1-4 FOR DETAILS.
& M5-1-4 FOR CONTROLS DIAGRAMS.
ITIONAL DETAILS ON GENERAL CONDITIONS, ALLATION.
EQUIPMENT PER MANUFACTURER'S IRED TO PROPERLY MAINTAIN EQUIPMENT. PROVIDE OF EQUIPMENT, PIPE DROPS, ETC. CLEARANCES ATION SHOP DRAWINGS.
OLUME DAMPERS AT ALL SHEETROCK AND METAL IPERS ARE NOT ACCESSIBLE THRU ACCESSIBLE DDER.
LED MINIMUM 8'-0" FROM EACH DIFFUSER, GRILLE LE. FLEXIBLE CONNECTIONS SHALL NOT EXCEED
S ARE SHOWN. PROVIDE BRANCH PIPING TO ALL LES. PIPE BRANCHES SHALL BE MINIMUM

9. ALL PENETRATIONS THROUGH FULL HEIGHT CORRIDOR WALLS SHALL BE SEALED. REFER TO ARCHITECTURAL DRAWINGS FOR TYPES OF WALLS AND REQUIREMENTS FOR

10. DUCTWORK AND PIPING LAYOUTS DO NOT SHOW ALL TRANSITIONS AND OFFSETS THAT WILL BE REQUIRED. PROVIDE COORDINATION DRAWINGS AND OFFSET

# MECHANICAL DUCTWORK KEY NOTES

(M1) OFFSET DUCT IN CEILING SPACE TO INSTALL DUCT IN CENTER OF THE HOLLOW CORE

(M4) PROVIDE 60"X42" PLENUM AT CONNECTION TO ROOF HOOD. PLENUM SHALL

### CONSTRUCTION GENERAL NOTES

<u>GENERAL NOTES</u>: ALL ELECTRICAL, AUDIO VISUAL, TECHNOLOGY AND SECURITY SYSTEMS AND COMPONENTS INCLUDING BUT NOT LIMITED TO CONDUITS, BACK-BOXES, DEVICES ETC., INSTALLED AT THE ARCHITECTURAL PRECAST CONCRETE PANELS SHALL BE CAST INTO THE PRE-CAST CONCRETE PANELS IN THE FACTORY TO AVOID EXPOSED TO VIEW EXTERIOR OR INTERIOR CONDITIONS. CM-R MUST COORDINATE ALL REQUIRED ELECTRICAL PASS WAYS AND COMPONENTS WITH THE PRECAST SUB-CONTRACTOR AS PART OF THE MEP&FP COORDINATION PROCESS, AND PRE-CAST SHOP DRAWINGS

COMPONENTS THAT REQUIRE ATTACHMENT TO THE ARCHITECTURAL PRE-CAST CONCRETE PANELS SHALL BE COORDINATED WITH THE PRE-CAST CONCRETE SUB-CONTRACTOR DURING COORDINATION AND SHOP DRAWING PROCESS. NO ATTACHMENT OF THE MEP&FP COMPONENTS TO THE PRE-CAST CONCRETE PANELS SHALL BE ALLOWED IN THE FIELD WITHOUT PRIOR REVIEW AND APPROVAL BY THE PRE-CAST CONCRETE SUB-CONTRACTOR. NO CUTTING AND/OR PATCHING OF THE PRE-CAST CONCRETE PANELS IS ALLOWED IN THE FIELD. ALL PENETRATIONS THROUGH PRECAST COMPONENTS INCLUDING WALLS, DOUBLE TEES AND HOLLOW CORE PLANK FLOORS AND ROOFS SHALL BE COORDINATED BY THE SUB-CONTRACTORS AND THE CM-R PRIOR TO MANUFACTURING

<u>FIRST FLOOR - AREA B</u>: ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION (MEP&FP) SYSTEMS COMPONENTS THAT REQUIRE PENETRATIONS THROUGH PRE-CAST CONCRETE PLANK AT MEZZANINES FLOOR STRUCTURE SHALL BE COORDINATED WITH THE PRE-CAST PLANK CORE LOCATIONS. PENETRATIONS THROUGH THE PRE-CAST HOLLOW CORE PLANK, ARE ONLY ALLOWED THROUGH THE CORES. CM-R MUST COORDINATE ALL OPENINGS IN THE PRE-CAST CONCRETE PLANK AS PART OF THE

MECHANICAL, ELECTRICAL AND FIRE PROTECTION (MEP&FP) CONTRACTORS REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS, SECTIONS AND DETAILS DRAWINGS FOR LOCATIONS OF THE SOUND BARRIER CEILING SYSTEM. THIS IS A SPECIALTY SOUND ISOLATION SUSPENDED CEILING SYSTEM. MEP&FP SYSTEMS COMPONENTS ARE NOT ALLOWED TO BE ATTACHED/SUSPENDED, OR INSTALLED ABOVE THIS CEILING SYSTEM UNLESS SPECIFICALLY NOTED OTHERWISE. EACH SUB-CONTRACTOR SHALL PROVIDE UNISTRUT SUPPORTS ATTACHED TO BOTTOM CORD OF STRUCTURAL STEEL BEAMS OR INSERTS PROVIDED AS PART OF THE PRECAST DOUBLE TEES AS REQUIRED TO SUPPORT MEP&FP SYSTEMS COMPONENTS. SPECIALTY ACOUSTICALLY RATED ACCESS PANELS MAY BE ALLOWED TO ACCESS MEP&FP SYSTEMS COMPONENTS LOCATED ABOVE THE SOUND BARRIER SYSTEM ON THE LIMITED BASES AT LOCATIONS SPECIFICALLY INDICATED

<u>FIRST FLOOR - AREA E</u>: ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION (MEP&FP) SYSTEMS COMPONENTS THAT REQUIRE PENETRATIONS THROUGH PRE-CAST CONCRETE PLANK AT MEZZANINES FLOOR STRUCTURE SHALL BE COORDINATED WITH THE PRE-CAST PLANK CORE LOCATIONS. PENETRATIONS THROUGH THE PRE-CAST HOLLOW CORE PLANK, ARE ONLY ALLOWED THROUGH THE CORES. CM-R MUST COORDINATE ALL OPENINGS IN THE PRE-CAST CONCRETE PLANK AS PART OF THE

MECHANICAL, ELECTRICAL AND FIRE PROTECTION (MEP&FP) CONTRACTORS REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS, SECTIONS AND DETAILS DRAWINGS FOR LOCATIONS OF THE SOUND BARRIER CEILING SYSTEM. THIS IS A SPECIALTY SOUND ISOLATION SUSPENDED CEILING SYSTEM. MEP&FP SYSTEMS COMPONENTS ARE NOT ALLOWED TO BE ATTACHED/SUSPENDED, OR INSTALLED ABOVE THIS CEILING SYSTEM UNLESS SPECIFICALLY NOTED OTHERWISE. EACH SUB-CONTRACTOR SHALL PROVIDE UNISTRUT SUPPORTS ATTACHED TO BOTTOM CORD OF STRUCTURAL STEEL BEAMS OR INSERTS PROVIDED AS PART OF THE PRECAST DOUBLE TEES AS REQUIRED TO SUPPORT MEP&FP SYSTEMS COMPONENTS. SPECIALTY ACOUSTICALLY RATED ACCESS PANELS MAY BE ALLOWED TO ACCESS MEP&FP SYSTEMS COMPONENTS LOCATED ABOVE THE SOUND BARRIER SYSTEM ON THE LIMITED BASES AT LOCATIONS SPECIFICALLY INDICATED

FIRST FLOOR - AREA F: ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION (MEP&FP) SYSTEMS COMPONENTS THAT REQUIRE PENETRATIONS THROUGH PRE-CAST CONCRETE PLANK AT MEZZANINES FLOOR STRUCTURE SHALL BE COORDINATED WITH THE PRE-CAST PLANK CORE LOCATIONS. PENETRATIONS THROUGH THE PRE-CAST HOLLOW CORE PLANK, ARE ONLY ALLOWED THROUGH THE CORES. CM-R MUST COORDINATE ALL OPENINGS IN THE PRE-CAST CONCRETE PLANK AS PART OF THE

MECHANICAL, ELECTRICAL AND FIRE PROTECTION (MEP&FP) CONTRACTORS SHALL FOLLOW SPECIFIC DETAILS INDICATED ON THE DRAWINGS FOR ATTACHMENT TO THE DOUBLE TEES AND HOLLOW CORE PRECAST PLANK AT FLOORS AND ROOFS.

ATTACHMENT TO THE DOUBLE TEES AND HOLLOW CORE PRECAST PLANK AT FLOORS AND

# CONNECTICUT MINISTRATIVE SERVICES

		date
ng Services, Ir	IC.	05/24/2019
		scale
		As indicated
		drawn by
		ВЕК
		approved by
OVATIONS		BDW
<b>GH SCHOOL</b>		drawing no.
roject no. 378 см-к	OSCGR project no. 900-0013	M1-1-1A
		1



# STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES date 05/24/2019

		scale
		As indicated
		drawn by
		ВЕК
		approved by
OVATIONS		BDW
GH SCHOOL		drawing no.
project no. 878 см-к	OSCGR project no. 900-0013	M1-1-1E
	•	•



	M	FCHA	NICAL NOTES		
4.055.5					
1. SEE D		3-1-2 & M3-1	-3 FOR SYMBOL LIST AND SCHEDULES.		
2. SEE DRAWINGS M4-1-1, M4-1-2, M4-1-3 & M4-1-4 FOR DETAILS.					
3. SEE D	3. SEE DRAWINGS M5-1-1, M5-1-2, M5-1-3 & M5-1-4 FOR CONTROLS DIAGRAMS.				
4. REFEF MATEI	R TO SPECIFICATION	IS FOR ADD IS AND INST	ITIONAL DETAILS ON GENERAL CONDITIONS, ALLATION.		
5. PROVI RECO MININ SHAL	IDE CLEARANCE AD DMMENDATIONS AN JUM 42" CLEARANC L BE IDENTIFIED ON	JACENT TO D AS REQU E IN FRONT I COORDINA	EQUIPMENT PER MANUFACTURER'S IRED TO PROPERLY MAINTAIN EQUIPMENT. PROVID OF EQUIPMENT, PIPE DROPS, ETC. CLEARANCES ATION SHOP DRAWINGS.		
6. PROVI CEILI CEILI	DE REMOTELY CON NGS AND WHERE V NGS WITH STANDAR	TROLLED V OLUME DAN RD STEP LA	OLUME DAMPERS AT ALL SHEETROCK AND METAL IPERS ARE NOT ACCESSIBLE THRU ACCESSIBLE DDER.		
7. VOLUI AND R 8'-0'' IN	ME DAMPERS SHALI EGISTER WHERE EV N LENGTH.	_ BE INSTAL /ER POSSIB	LED MINIMUM 8'-0" FROM EACH DIFFUSER, GRILLE BLE. FLEXIBLE CONNECTIONS SHALL NOT EXCEED		
8. NOT A DEVIC 3/4" DI	LL BRANCH PIPING ES PER DETAILS AI IAMETER UNLESS N	TO DEVICES ND SCHEDU OTED OTHE	S ARE SHOWN. PROVIDE BRANCH PIPING TO ALL LES. PIPE BRANCHES SHALL BE MINIMUM RWISE.		
9. ALL PI REFEF SEALII	ENETRATIONS THRO R TO ARCHITECTUR NG.	OUGH FULL AL DRAWING	HEIGHT CORRIDOR WALLS SHALL BE SEALED. GS FOR TYPES OF WALLS AND REQUIREMENTS FOR		
10. DUC1 THAT DUC1	WORK AND PIPING WILL BE REQUIRED WORK AND PIPING	LAYOUTS D ). PROVIDE AS REQUIR	O NOT SHOW ALL TRANSITIONS AND OFFSETS COORDINATION DRAWINGS AND OFFSET ED		
	MECHANI	CAL DI	JCTWORK KEY NOTES		
(M1) OF	FFSET DUCT IN CEIL	ING SPACE	TO INSTALL DUCT IN CENTER OF THE HOLLOW COR		
	F THE MEZZANINE F		K.		
	ERMINATE DUCT WIT FEEL MESH.	TH FLANGED	O CONNECTION AND 1/2"x1/2" GALVANIZED		
M3 IN	STALL THIS SECTION	N OF DUCT	IN SPACE BETWEEN PRE-CAST TEES.		
	_DUST CC	DLLEC	TOR DC-1 SCHEDULE		
<u>CP#</u>	EQUIPMENT	<u>CFM</u>	BRANCH DUCT SIZE (DIA.)		
CP2	JOINTER	800	6"		
CP7	BAND SAW	350	4"		
CP13	BAND SAW	350	4"		
CP13	BAND SAW	350	4"		
CP14	RADIAL SAW	350	4"		
CP22	JOINTER	800	6"		
CP26	CNC ROUTER	1,500	8"		
FS1	FLOOR SWEEP	-	6"		
FS2	FLOOR SWEEP	-	6"		
NOTES: 1. PROVI 2. TRANS 3. FOR FI EACH	DE BLAST GATE FOR E BITION AT CONNECTION LOOR SWEEPS, PROVI ON WALL, "KEEP BLAS	ALANCING AT N TO EACH PI DE BLAST GA ST GATE CLOS	T EACH BRANCH DUCT AT 10'-0" AFF. ECE OF EQUIPMENT ITE AT 60" AFF. PROVIDE SIGN NEXT TO SES WHEN NOT IN USE."		
	DUST CC	DLLEC	TOR DC-2 SCHEDULE		
<u>CP#</u>	EQUIPMENT	<u>CFM</u>	BRANCH DUCT SIZE (DIA.)		
CP1	PLANER	1,500	8"		
CP3	RIP SAW	350			
		000	4		
CP4	TABLE SAW	650	6"		
CP4 CP5	TABLE SAW TABLE SAW	650 650	6" 6"		
CP4 CP5 CP6	TABLE SAW TABLE SAW BAND SAW	650 650 350	4 6" 6" 4"		
CP4 CP5 CP6 CP15	TABLE SAW TABLE SAW BAND SAW COPY LATHE	650 650 350 750	4 6" 6" 4" 6"		
CP4 CP5 CP6 CP15 CP19	TABLE SAW TABLE SAW BAND SAW COPY LATHE PANEL SAW	650 650 350 750 700	4 6" 6" 4" 6" 6"		
CP4 CP5 CP6 CP15 CP19 CP20	TABLE SAW TABLE SAW BAND SAW COPY LATHE PANEL SAW JOINTER	650 650 350 750 700 800	4 6" 6" 4" 6" 6" 6"		
CP4 CP5 CP6 CP15 CP19 CP20 CP23	TABLE SAW TABLE SAW BAND SAW COPY LATHE PANEL SAW JOINTER DOOR MACHINE	650 650 350 750 700 800 800	4 6" 6" 4" 6" 6" 6" 6"		

MECHANICAL NOTES				
1. SEE DRAWINGS M3-1-1, M3-1-2 & M3-1-3 FOR SYMBOL LIST AND SCHEDULES.				
2. SEE DRAWINGS M4-1-1, M4-1-2, M4-1-3 & M4-1-4 FOR DETAILS.				
3. SEE D	RAWINGS M5-1-1, M	5-1-2, M5-1-3	8 & M5-1-4 FOR CONTROLS DIAGRAMS.	
4. REFEF MATEI	R TO SPECIFICATION RIAL SPECIFICATION	IS FOR ADD	ITIONAL DETAILS ON GENERAL CONDITIONS, ALLATION.	
5. PROVI		JACENT TO	EQUIPMENT PER MANUFACTURER'S	
RECO MININ SHAL	OMMENDATIONS AN /UM 42" CLEARANC LL BE IDENTIFIED ON	D AS REQU E IN FRONT I COORDINA	IRED TO PROPERLY MAINTAIN EQUIPMENT. PROVIDE OF EQUIPMENT, PIPE DROPS, ETC. CLEARANCES ATION SHOP DRAWINGS.	
6. PROVI CEILI CEILI	DE REMOTELY CON NGS AND WHERE V( NGS WITH STANDAR	TROLLED V OLUME DAN RD STEP LA	OLUME DAMPERS AT ALL SHEETROCK AND METAL IPERS ARE NOT ACCESSIBLE THRU ACCESSIBLE DDER.	
7. VOLUI AND R 8'-0" IN	ME DAMPERS SHALI EGISTER WHERE EN N LENGTH.	. BE INSTAL /ER POSSIB	LED MINIMUM 8'-0" FROM EACH DIFFUSER, GRILLE LE. FLEXIBLE CONNECTIONS SHALL NOT EXCEED	
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10. DUC1 THAT	TWORK AND PIPING WILL BE REQUIRED	LAYOUTS D ). PROVIDE AS REQUIR	O NOT SHOW ALL TRANSITIONS AND OFFSETS COORDINATION DRAWINGS AND OFFSET ED	
	MECHANIC		JCTWORK KEY NOTES	
(M1) OI	FFSET DUCT IN CEIL	ING SPACE	TO INSTALL DUCT IN CENTER OF THE HOLLOW CORE	
	F THE MEZZANINE FI	LOOR PLAN	K. ) CONNECTION AND 1/2"x1/2" GAI VANIZED	
	TEEL MESH.		CONNECTION AND 1/2 X1/2 GALVANIZED	
<mз> IN</mз>	STALL THIS SECTIO	N OF DUCT	IN SPACE BETWEEN PRE-CAST TEES.	
	ROVIDE 60"X42" PLE		NNECTION TO ROOF HOOD. PLENUM SHALL	
TE	DUST CC	DLLEC	TOR DC-1 SCHEDULE	
CP#	EQUIPMENT	CFM	BRANCH DUCT SIZE (DIA.)	
CP2	JOINTER	800	6"	
CP7	BAND SAW	350	4"	
CP13	BAND SAW	350	4"	
CP13	BAND SAW	350	4"	
CP14	RADIAL SAW	350	4"	
CP22	JOINTER	800	6"	
CP26	CNC ROUTER	1,500	8"	
FS1	FLOOR SWEEP	-	6"	
FS2	FLOOR SWEEP	-	6"	
NOTES: 1. PROVI 2. TRANS	DE BLAST GATE FOR B		T EACH BRANCH DUCT AT 10'-0" AFF.	
3. FOR FI	LOOR SWEEPS, PROVI	DE BLAST GA	TE AT 60" AFF. PROVIDE SIGN NEXT TO	
EACH ON WALL, "KEEP BLAST GATE CLOSES WHEN NOT IN USE."				
	DUST CC	<b>LLEC</b>	TOR DC-2 SCHEDULE	
<u>CP#</u>	EQUIPMENT	<u>CFM</u>	BRANCH DUCT SIZE (DIA.)	
CP1	PLANER	1,500	8"	
CP3	RIP SAW	350	4"	
CP4	TABLE SAW	650	6"	
CP5	TABLE SAW	650	6"	
CP6	BAND SAW	350	4"	
CP15	COPY LATHE	750	6"	
CP19	PANEL SAW	700	6"	
CP20	JOINTER	800	6"	
CP23	DOOR MACHINE	800	6"	
CP24	BELT SANDER	800	6"	
CP28	EDGE BANDER	300	4"	
FS3	FLOOR SWEEP	-	6"	
FS4	FLOOR SWEEP	-	6"	
FS5	FLOOR SWEEP	-	6"	

NOTES:

1. PROVIDE BLAST GATE FOR BALANCING AT EACH BRANCH DUCT AT 10'-0" AFF.

2. TRANSITION AT CONNECTION TO EACH PIECE OF EQUIPMENT

3. FOR FLOOR SWEEPS, PROVIDE BLAST GATE AT 60" AFF. PROVIDE SIGN NEXT TO EACH ON WALL, "KEEP BLAST GATE CLOSES WHEN NOT IN USE."

STATE OF DEPARTMENT OF ADMINISTRATIVE SERVICES drawing prepared by Consulting Engineering 811 Middle St., Middletown, CT 06457 project ADDITIONS AND RENO PLATT TECHNICAL HIG 600 Orange Avenue Milford, CT 06461 DCS pro ві-ят-878 CAD no.

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ng Services, Ir	IC.	05/24/2019
		scale
		As indicated
		drawn by
		ВЕК
		approved by
OVATIONS		BDW
IGH SCHOOL		drawing no.
Droject no. 878 cm-r	USCGR project no. 900-0013	W1-1-WE





ADDITIONS AND RENO PLATT TECHNICAL HIG 600 Orange Avenue Milford, CT 06461 DCS pro BI-RT-878 CAD no.

NICAL NOTES
-3 FOR SYMBOL LIST AND SCHEDULES.
& M4-1-4 FOR DETAILS.
& M5-1-4 FOR CONTROLS DIAGRAMS.
ITIONAL DETAILS ON GENERAL CONDITIONS, ALLATION.
EQUIPMENT PER MANUFACTURER'S IRED TO PROPERLY MAINTAIN EQUIPMENT. PROVIDE OF EQUIPMENT, PIPE DROPS, ETC. CLEARANCES ITION SHOP DRAWINGS.
OLUME DAMPERS AT ALL SHEETROCK AND METAL IPERS ARE NOT ACCESSIBLE THRU ACCESSIBLE DDER.
LED MINIMUM 8'-0" FROM EACH DIFFUSER, GRILLE LE. FLEXIBLE CONNECTIONS SHALL NOT EXCEED
S ARE SHOWN. PROVIDE BRANCH PIPING TO ALL LES. PIPE BRANCHES SHALL BE MINIMUM RWISE.
HEIGHT CORRIDOR WALLS SHALL BE SEALED. SS FOR TYPES OF WALLS AND REQUIREMENTS FOR
O NOT SHOW ALL TRANSITIONS AND OFFSETS COORDINATION DRAWINGS AND OFFSET
JCTWORK KEY NOTES
TO INSTALL DUCT IN CENTER OF THE HOLLOW CORE K.

# STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES

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ng Services, lı	IC.	05/24/2019
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oroject no. 878 см-к	OSCGR project no. 900-0013	M1-2-1E





# **MECHANICAL NOTES**

RECOMMENDATIONS AND AS REQUIRED TO PROPERLY MAINTAIN EQUIPMENT. PROVIDE MINIMUM 42" CLEARANCE IN FRONT OF EQUIPMENT, PIPE DROPS, ETC. CLEARANCES

CEILINGS AND WHERE VOLUME DAMPERS ARE NOT ACCESSIBLE THRU ACCESSIBLE

7. VOLUME DAMPERS SHALL BE INSTALLED MINIMUM 8'-0" FROM EACH DIFFUSER, GRILLE AND REGISTER WHERE EVER POSSIBLE. FLEXIBLE CONNECTIONS SHALL NOT EXCEED

8. NOT ALL BRANCH PIPING TO DEVICES ARE SHOWN. PROVIDE BRANCH PIPING TO ALL DEVICES PER DETAILS AND SCHEDULES. PIPE BRANCHES SHALL BE MINIMUM

9. ALL PENETRATIONS THROUGH FULL HEIGHT CORRIDOR WALLS SHALL BE SEALED. REFER TO ARCHITECTURAL DRAWINGS FOR TYPES OF WALLS AND REQUIREMENTS FOR

10. DUCTWORK AND PIPING LAYOUTS DO NOT SHOW ALL TRANSITIONS AND OFFSETS

MECHANICAL PIPING KEY NOTES

(MP1) 3/4" HWS&R DOWN. OFFSET AND PROVIDE ELBOWS IN PARTITION TO ALIGN WITH PIPE

MP5 INSTALL REFRIGERANT PIPING UP TO CU ON THE ROOF. INSTALL 3/4" CONDENSATE TO FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR LOCATION. (MP6) INSTALL REFRIGERANT PIPING UP TO CU ON THE ROOF. INSTALL 3/4" CONDENSATE TO (MP7) PROVIDE CONDENSATE PIPING FROM ERV TO FLOOR DRAIN AT THE SHOP LEVEL. (MP8) PROVIDE BALL VALVES ON SUPPLY AND RETURN PIPING AND MANUAL BALANCE

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date 05/24/2019 scale As indicated drawn by ANK approved by BDW drawing no. M2-1-1E OSCGR project no. DCS project no. BI-RT-878 CM-R 900-0013



# MECHAN

1. SEE DRAWINGS M3-1	-1, M3-1-2 & M3-1-
2. SEE DRAWINGS M4-1	-1, M4-1-2, M4-1-3
3. SEE DRAWINGS M5-1	-1, M5-1-2, M5-1-3
4. REFER TO SPECIFICA MATERIAL SPECIFICA	TIONS FOR ADDI
5. PROVIDE CLEARANC RECOMMENDATION MINIMUM 42" CLEAR SHALL BE IDENTIFIE	E ADJACENT TO S AND AS REQUI ANCE IN FRONT D ON COORDINA
6. PROVIDE REMOTELY CEILINGS AND WHEI CEILINGS WITH STA	CONTROLLED V RE VOLUME DAM NDARD STEP LAI
7. VOLUME DAMPERS S AND REGISTER WHEF 8'-0" IN LENGTH.	HALL BE INSTAL RE EVER POSSIB
8. NOT ALL BRANCH PI DEVICES PER DETAIL 3/4" DIAMETER UNLE	PING TO DEVICES LS AND SCHEDUI SS NOTED OTHE
9. ALL PENETRATIONS REFER TO ARCHITEC SEALING.	THROUGH FULL I TURAL DRAWING
10. DUCTWORK AND PI THAT WILL BE REQU DUCTWORK AND PI	PING LAYOUTS D JIRED. PROVIDE PING AS REQUIRE
MECI	HANICAL

	3/4" HWS&R DOWN. OFFSET AND F CONNECTIONS AT RADIATION.
(MP2)	3/4" HWS&R UP TO FLOOR ABOVE.
(МРЗ)	3/4" HWS&R AROUND COLUMN FEE
	INSTALL REFRIGERANT PIPING UP CONDENSATE MAIN.
	INSTALL REFRIGERANT PIPING UP FLOOR DRAIN. REFER TO PLUMBIN
	INSTALL REFRIGERANT PIPING UP JANITOR'S SINK IN CUSTODIAL CLO
	PROVIDE CONDENSATE PIPING FR REFER TO PLUMBING DRAWINGS F
	PROVIDE BALL VALVES ON SUPPLY VALVE ON RETURN PIPING.

### **100% CONSTRUCTION DOCUMENTS** drawing title

	SEC MEC ARE	OND FL( HANICA A D	oor L Piping
B		R	EVISIONS
	mark	date	descriptio
E F	1	07/23/2019	ADDENDUM

MECHANICA AREA D	AL PIPING PLAN	DEPARTMENT OF ADM
F	REVISIONS	drawing prepared by
mark date	description	Consulting Engineering 811 Middle St., Middletown, CT 06457
1 0//23/2019	ADDENDUM #1	project ADDITIONS AND RENC PLATT TECHNICAL HIC 600 Orange Avenue Milford, CT 06461 CAD no. DCS pro BI-RT-87

NICAL NOTES
3 FOR SYMBOL LIST AND SCHEDULES.
& M4-1-4 FOR DETAILS.
& M5-1-4 FOR CONTROLS DIAGRAMS.
TIONAL DETAILS ON GENERAL CONDITIONS, ALLATION.
EQUIPMENT PER MANUFACTURER'S RED TO PROPERLY MAINTAIN EQUIPMENT. PROVIDE OF EQUIPMENT, PIPE DROPS, ETC. CLEARANCES TION SHOP DRAWINGS.
DLUME DAMPERS AT ALL SHEETROCK AND METAL PERS ARE NOT ACCESSIBLE THRU ACCESSIBLE DDER.
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ARE SHOWN. PROVIDE BRANCH PIPING TO ALL .ES. PIPE BRANCHES SHALL BE MINIMUM RWISE.
EIGHT CORRIDOR WALLS SHALL BE SEALED. S FOR TYPES OF WALLS AND REQUIREMENTS FOR
D NOT SHOW ALL TRANSITIONS AND OFFSETS COORDINATION DRAWINGS AND OFFSET D.
PIPING KEY NOTES

PROVIDE ELBOWS IN PARTITION TO ALIGN WITH PIPE

EEDING RADIATION.

P TO CU ON THE ROOF. INSTALL 3/4" CONDENSATE TO P TO CU ON THE ROOF. INSTALL 3/4" CONDENSATE TO ING DRAWINGS FOR LOCATION. P TO CU ON THE ROOF. INSTALL 3/4" CONDENSATE TO LOSET. ROM ERV TO FLOOR DRAIN AT THE SHOP LEVEL. S FOR LOCATION.

LY AND RETURN PIPING AND MANUAL BALANCE

# STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES

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ng Services, Ir	IC.	05/24/2019
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		As indicated
	drawn by	
	ANK	
		approved by
OVATIONS		BDW
GH SCHOOL		drawing no.
roject no. в78 см-к	OSCGR project no. 900-0013	M2-1-2D

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Mec Par	CHANICA	L AN	STATE OF DEPARTMENT OF ADM
	R	EVISIONS	drawing prepared by
mark	date	description	Consulting Engineering 811 Middle St., Middletown, CT 06457
1	07/23/2019	ADDENDUM #1	project
			ADDITIONS AND RENO PLATT TECHNICAL HIC 600 Orange Avenue Milford, CT 06461
			CAD no. DCS pro BI-RT-87

## MECHANICAL NOTES

4. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS ON GENERAL CONDITIONS,

RECOMMENDATIONS AND AS REQUIRED TO PROPERLY MAINTAIN EQUIPMENT. PROVIDE MINIMUM 42" CLEARANCE IN FRONT OF EQUIPMENT, PIPE DROPS, ETC. CLEARANCES

CEILINGS AND WHERE VOLUME DAMPERS ARE NOT ACCESSIBLE THRU ACCESSIBLE

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9. ALL PENETRATIONS THROUGH FULL HEIGHT CORRIDOR WALLS SHALL BE SEALED.

10. DUCTWORK AND PIPING LAYOUTS DO NOT SHOW ALL TRANSITIONS AND OFFSETS

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OVATIONS		BDW
GH SCHOOL		drawing no.
roject no. в78 см-к	OSCGR project no. 900-0013	M2-3-1A

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![](_page_46_Figure_1.jpeg)

FIRE DAMPER NOTE FOR FLOOR DEDICATIONS THROUGH THE 2<sup>ND</sup> FLOOR AND FLOOR OF THE MECHANICAL PENTHOUSE. AT EACH FIRE DAMPER, PROVIDE A DUCT ACCESS DOOR TO PROVIDE ACCESS FROM THE FLOOR ABOVE. EACH ACCESS DOOR SHALL BE MINIMUM 24"X24" AND SHALL BE INSTALLED AT 6" AFF TO THE BOTTOM. WHERE DUCT WIDTH IS LESS THAN 24", ACCESS DOOR SHALL BE WIDTH OF DUCT LESS 2". HEIGHT SHALL REMAIN 24". PROVIDE 24"X24" ACCESS PANEL IN THE PARTITION AT THE SAME HEIGHT TO ALLOW ACCESS TO THE DUCT ACCESS DOOR.

drawing ti	title													
PARTI	IANICA IAL PLA	L PENTHOUSE AN	STATE DEPARTMENT	OF CON	NECTICU	T								
	R	EVISIONS	drawing prepared by			date								
morte	data	description	Consulting Eng	ineering Services	, Inc.	05/24/2019								
mark C	dale		811 Middle St., Middletown, CT	811 Middle St., Middletown, CT 06457										
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			project			approved by								
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SUPPLY SUPPLY							SUPPLY FAN DATA (PER FAN)												400500							EXHAUST / RETURN FAN DATA (PER FAN)							RA			Ţ		1		
SYMBOL	MFR MODEL NO	SA DUCT CONNECTION SIZE	SA PLENUM	ATTENUATORS AT SUPPLY AIR	SA FANS S	TOTAL SA CFM	CFM	ESP (IN WG)	TSP (IN WG)	SPEED (RPM)	BHP	MC HP	otor da RPM	TA VOLTS	PH	ACCESS SECTION (LENGTH)	COOLING COIL SECTION	ACCESS SECTION (LENGTH)	COIL SECTION	SECTION (LENGTH	I FILTER	AND MIXING BOX SECTIONS	G ER E	NO. A/RA ANS	TOTAL EXH. C CFM	CFM	ESP (IN WG) (	TSP IN WG)	SPEED (RPM)	BHP	MO HP	TOR DAT	A VOLTS	C PH	DUCT CONNECTION SIZE	LENGTH OF UNIT	AIR (CFM) MIN./MAX.	OPERATING WEIGHT (LBS)	NOTES	
DOAS-1	TRANE CUSTOM OR PERFORMANCE CLIMATE CHANGER	60" x 24"	30" LONG	36" LONG	1	7,000	7,000	2.0	6.2	2,470	9.52	15.0	1,800	460	3	MIN 18"	CHWC-D1	MIN 18"	HWC-D1	MIN 18"	REMARK #1	YES	ER-D1	1	6,500 6	6,500	1.5	3.8	2,115	5.86	10	1,800	460	3	46" x 30"	43'-0"	6,500 / 7,000	27,000	-	
AHU-A	TRANE PERFORMANCE CLIMATE CHANGER	60" x 24"	N/A	36" LONG	2	6,000	3,000	2.0	4.7	3,200	3.6	5	1,800	460	3	MIN 18"	CHWC-A, DX-A	MIN 18"	HWC-A	MIN 18"	REMARK #1	YES	N/A	2	5,400 2	2,700	1.0	1.34	2,100	1.6	3.0	1,800	460	3	46" x 30"	21'-0"	600 / 1,200	6,000	1,3	
AHU-1	TRANE CUSTOM OR PERFORMANCE CLIMATE CHANGER	84" x 24"	40 " LONG	36" LONG	2	15,000	7,500	1.5	5.7	2,400	9.8	15	1,800	460	3	MIN 18"	CHWC-1	MIN 18"	HWC-1	MIN 12"	REMARK #1	YES	ER-1	2	13,800 6	6,900	1.0	2.8	1,300	4.2	7.5	1,200	460	3	84" x 24"	48'-6"	1,200 / 4,500	35,000	-	<b>R</b> M1 18
AHU-2	TRANE CUSTOM	84" x 24"	24" LONG	60" LONG	2	15,000	7,500	2.5	7	3,000	12	15	1,800	460	3	MIN 18"	CHWC-2	MIN 18"	HWC-2	MIN 12"	REMARK #1	YES	N/A	2	12,000 6	6,000	1.5	2.1	1,300	2.7	5	1,200	460	3	84" x 24"	44'-0"	3,000/ 4,200	33,000		
AHU-3	TRANE CUSTOM	84"x 24"	24" LONG	60" LONG	2	18,000	9,000	2.0	6.2	2,200	12	15.0	1,800	460	3	MIN 18"	CHWC-3	MIN 18"	HWC-3	MIN 12"	REMARK #1	YES	N/A	2	15,000 7	7,500	1.2	2.0	1,000	3.1	5.0	1,200	460	3	84" x 24"	45'-0"	4,000/ 18,000	40,000	2	<b>A</b> <u>1</u> <u>RM1</u> 18
AHU-4	TRANE PERFORMANCE CLIMATE CHANGER	100" x 66"	N/A	60" LONG	2	13,000	6,500	2.0	4.8	2,000	7.5	10.0	1,800	460	3	MIN 18"	CHWC-4	MIN 18"	HWC-4	MIN 12"	REMARK #1	YES	N/A	2	12,000 6	6,000	1.0	2.0	1,250	2.8	5.0	1,200	460	3	100" x 66"	26'-0"	1,600/ 3.600	9,000	3	
AHU-5	TRANE CUSTOM OR PERFORMANCE CLIMATE CHANGER	60" x 30"	48" LONG	60" LONG	2	18,000	9,000	2.0	7.0	2127	14.0	20.0	1,800	460	3	MIN 18"	CHWC-5	MIN 18"	HWC-5	MIN 18"	REMARK #1	YES	ER-5	2	16,000 8	3,000	1.0	2.7	1,600	5.5	7.5	1,800	460	3	50" x 24"	45'-3"	9,000/ 9,000	26,000	-	
AHU-6	TRANE PERFORMANCE CLIMATE CHANGER	124" x 72"	N/A	60" LONG	2	18,000	9,000	2.0	4.7	1,620	11	15.0	1,200	460	3	MIN 18"	CHWC-6	MIN 18"	HWC-6	MIN 18"	REMARK #1	YES	N/A	2	16,000 8	3,000	1.5	2.0	1,220	4.4	7.5	1,200	460	3	124" x 72"	27'-0"	4,000/ 5,000	12,500	3	
AHU-7	TRANE CUSTOM OR PERFORMANCE CLIMATE CHANGER	48" x 24"	40" LONG	36" LONG	1	7,000	7,000	1.5	6.1	2,200	9.8	15	1,800	460	3	MIN 18"	CHWC-7	MIN 18"	HWC-7	MIN 18"	REMARK #1	YES	ER-7	1	6,400 6	6,400	1.0	2.5	1,740	4.8	7.5	1,800	460	3	48" x 24"	35'-10"	600/5,000	12,000	-	
AHU-8	TRANE CUSTOM OR PERFORMANCE CLIMATE CHANGER	60" x 36"	N/A	36" LONG	2	20,000	10,000	2.0	6.5	2,300	14.2	20.0	1,800	460	3	MIN 18"	CHWC-8	MIN 18"	HWC-8	MIN 18"	REMARK #1	YES	ER-8	2	18,000 9	9,000	1.0	3.0	1,500	5.7	7.5	1,200	460	3	48"x 24"	38'-10"	12,000/ 12,000	40,000	-	
AHU-9	TRANE CUSTOM	60" x 36"	36" LONG	60" LONG	2	20,000	10,000	2.0	5.1	1,800	10.7	15.0	1,800	460	3	MIN 18"	CHWC-9	MIN 18"	HWC-9	MIN 18"	REMARK #1	YES	N/A	2	18,000 9	9,000	1.5	2.4	1,400	4.7	7.5	1,200	460	3	60"x 36"	41'-5"	2,000/ 5,500	34,000	-	
REMARKS 1. FILTE 2. PROV 3. SQUA 4. PROV 5. PROV 6. PROV 7. EACH	<ul> <li><u>Remarks APPLY TO ALL UNITS:</u></li> <li>FILTERS SHALL BE MERV 12 CARTRIDGE FILTERS. (12" DEEP). FACE VELOCITY SHALL BE MAXIMUM 400 FPM. AT EACH AHU, PROVIDE MERV 8 PRE-FILTERS BEFORE</li> <li>FILTERS SHALL BE MERV 12 CARTRIDGE FILTERS. (12" DEEP). FACE VELOCITY SHALL BE MAXIMUM 400 FPM. AT EACH AHU, PROVIDE MERV 8 PRE-FILTERS BEFORE</li> <li>PROVIDE WITH STAINLESS STEEL DRAIN PANS AT COOLING COILS AND HEAT PIPE COILS.</li> <li><u>PROVIDE WITH STAINLESS STEEL DRAIN PANS AT COOLING COILS AND HEAT PIPE COILS.</u></li> <li><u>PROVIDE CUSTOM ROOF CURBS; REFER TO SPEC SECTION 230548</u></li> <li>PROVIDE CUSTOM ROOF CURBS; REFER TO SPEC SECTION 230548</li> <li>PROVIDE WITH INDIVIDUAL VFD AND DISCONNECT SWITCH MOUNTED AT MAX. 36" ABOVE ROOF TO BOTTOM.</li> <li>PROVIDE WITH INTAKE HOOD AND EXHAUST HOOD; MAX 36" DEEP OFF FACE OF AHU / DOAS.</li> <li>PROVIDE WITH INTAKE HOOD AND EXHAUST HOOD; MAX 36" ABOVE ROOF TO BOTTOM.</li> <li>EACH AHU SHALL HAVE (2) SUPPLY AIR SINCE SECTION SUPPLY AIR ED OWN 100% DETURD EACH FAN SHALL BE PROVIDED WITH DEDICATED MOTOR VED.</li> <li>EACH AHU SHALL HAVE (2) SUPPLY AIR ET INDIVISE NOTED. EACH EACH FAN SHALL BE PROVIDED WITH DEDICATED MOTOR VED.</li> <li>EACH AHU SHALL BARE (2) SUPPLY AIR ET INDIVISE NOTED. EACH EACH FAN SHALL BE PROVIDED WITH DEDICATED MOTOR VED.</li> <li>EACH AHU SHALL BARE (2) SUPPLY AIR ET INDIVISE NOTED. EACH EACH FAN SHALL BE PROVIDED WITH DEDICATED MOTOR VED.</li> <li>EACH AHU SHALL BARE (2) SUPPLY AIR ET INDIVISE NOTED. EACH EACH FAN SHALL BE PROVIDED WITH DEDICATED MOTOR VED.</li> <li>EACH AHU SHALL BARE (2) SUPPLY AIR ET INDIVISE NOTED. EACH EAN SHALL BE PROVIDED WITH DEDICATED MOTOR VED.</li> <li>EACH AHU SHALL BARE (2) SUPPLY AIR ET INDIVISE AND SUTCED EACH EAN SHALL BE PROVIDED FOR 100% OF SUPPLY AIR ET INDIVISE.</li> <li>EACH AHU SHALL BARE (2) SUPPLY AIR ET INDIVISE NOTED. EACH EAN SHALL BE PROVIDED WITH DEDICATED MOTOR VED.</li> <li>EACH AHU SHALL BARE (2) SUPPLY AIR ET INDIVISE AND</li></ul>									NOTE 1. AHU-4 2. AHU-2 3. ALL A DEFLI	A SHALL E 2 AND AHI HU'S LOC ECTION.	E PROVID J-3 SHALL ATED IN P	ED WITH BE PROV ENTHOUS	DX COIL IDED WI SE SHAL	_ AND CHV ITH WRAF _L BE PRC	N COIL. 9 AROUND WIDED WI	HEAT PI TH INTEI	IPES AT THE CI RNAL SPRING I	HILLED WATEF SOLATORS WI	R COIL. TH MINIMUM 1	I.5" STATIC																			

## CONDENSATE DRAIN SCHEDULE

UNIT TYPE	PIPE SIZE	NOTES
A/C UNIT	3/4"	1, 2
CAC UNITS	3/4"	1, 2
AHU/DOAS	2"	1, 3
ERV'S	1"	1, 2
FCU'S	1 1/4"	1, 2
REMARKS:		

1. PROVIDE PIPE TRAP AT CONNECTION TO UNIT. PROVIDE CLEAN-OUT AT BOTTOM OF TRAP FOR CLEANING & DRAINING. 2. REFER TO FLOOR PLANS FOR PIPE TERMINATION. 3. INSTALL CONDENSATE DRAIN PIPE TO NEAREST ROOF DRAIN OR FLOOR DRAIN.

		INI FT	AIR F	LOW	MINIMUM	ELEC	TRICAL				HOT	WATER COIL	L				
SYMBOL	MANUFACTURER/	SIZE	(CI	FM)	INLET	DA	ATA				AIR SIDE			30%	PPG		HWS&R
STMBOL	MODEL NUMBER	(DIAMETER IN INCHES)	MAXIMUM	MINIMUM	PRESSURE (IN WG)	VOLTS	PHASE	(MBH)	ROWS	CFM	EAT (°F)	LAT (°F)	FLOW (GPM)	EWT (°F)	LWT (°F)	PD (FT HD)	SIZE
A	TRANE VCWF	6	400	60	1	24	1	16.3	4	300	55	105	1.7	140	120	3.5	3/4"
В	TRANE VCWF	8	700	110	1	24	1	24.4	4	450	55	105	4.2	140	128	2.0	1"
С	TRANE VCWF	10	1200	165	1	24	1	43.4	4	800	55	105	6.0	140	125	10.0	1"
D	TRANE VCWF	12	1600	235	1	24	1	65.0	4	1200	55	105	11.2	140	128	9.3	1 1/4"
E	TRANE VCWF	14	2500	400	1	24	1	81.0	4	1500	55	105	10.0	140	123	6.1	1 1/4"
F	TRANE VCCF	6	400	60	1	24	1	-	-	-	NO HEAT	TING COIL R	EQUIRED	-	-		
G	TRANE VCCF	8	700	110	1	24	1	-	-	-	NO HEAT	TING COIL R	EQUIRED	-	-		
Н	TRANE VCCF	10	1200	165	1	24	1	-	-	-	NO HEAT	TING COIL R	EQUIRED	-	-		
	TRANE VCCF	12	1600	235	1	24	1	-	-	-	NO HEAT	TING COIL R	EQUIRED	-	-		
J	TRANE VCCF	14	2500	400	1	24	1	-	-	-	NO HEAT	TING COIL R	EQUIRED	-	-		
NOTES:							1				1				u.	1	

 1. PROVIDE EACH VAV WITH DISCONNECT SWITCH AND SAFETY INTERLOCKS.
 2. ALL VAV BOXES SHALL BE ARI CERTIFIED.
 3. REFER TO SPECIFICATION SECTION 23 33 03 FOR SPEC ON SOUND ATTENUATORS.
 4. ALL VAV'S SHALL BE PROVIDED WITH 1" THICK ACOUSTICAL INSTALLATION. VAV TYPES A,C,F AND H SHALL BE PROVIDED WITH DOUBLE WALL CONSTRUCTION WITH GALVANIZED STEEL INNER LINING AND EXTERIOR CASING. ENERGY RECOVERY SCHEDULE

				Р	WINTER ERFORMANC	E					SUM		MANCE					
SYMBOL			VENTIL	ATION AIR			EXHAUST A	IR		VENTIL	ATION AIR			EXHAUST A	IR	ELE	ECTRICAL DA	ATA
STWDOL	TYPE	FLOW (CFM)	EAT (°F) DB/WB	LAT (°F) DB/WB	PD (IN WG)	FLOW (CFM)	EAT (°F) DB/WB	PD (IN WG)	FLOW (CFM)	EAT (°F) DB/WB	LAT (°F) DB/WB	PD (IN WG)	FLOW (CFM)	EAT (°F) DB/WB	PD (IN WG)	HP	VOLTS	PHASE
ER-D1	HORIZ. WHEEL	7,000	0/-1	22/21.8	0.75	6,500	70/59.7	0.81	7,000	90/73	80.1/70.1	1.00	6,500	75/68.6	0.91	1	480	3
ER-1	HORIZ. WHEEL	4,500	0/-1	16.5/16.4	0.79	3,000	70/60	0.63	4,500	90/73	81.1/70.6	0.95	3,000	75/69	0.63	1	480	3
ER-5	PLATE TYPE	9,000	0/-2	16.46/11.43	0.857	6,900	70/59.7	0.101	9,000	91/74	79/68	0.221	6,900	75/64	0.093	N/A	N/A	N/A
ER-7	HORIZ. WHEEL	5,000	0/-2	16.48/15.71	0.578	4,400	70/53	0.49	5,000	91/74	79.95/67.58	0.578	4,400	75/64	0.49	1	480	3
ER-8	PLATE TYPE	12,000	0/0	57/38.6	1.02	9,500	70/60	0.89	12,000	90/73	79.9/70.1	1.15	9,500	75/69	0.79	N/A	N/A	N/A

NOTES: 1. PRESSURE DROP DATA IS MAXIMUM PRESSURE DROP ACROSS ENTIRE ENERGY RECOVERY SECTION. 2. PROVIDE EACH ENERGY RECOVERY MOTOR WITH INDIVIDUAL VFD AND MOTOR STARTER.

			AIR CC	OLED	CONI	DENSIN	IG UNI	Г ЅСН	EDULI	Ŧ					
SYMBOL	IBOL MANUFACTURER/ SYSTEM REFRIGERANT SEER TOTAL SUCTION AMBIENT AIR TEMP ELECTRICAL DATA WEIGHT (LBS) REMARKS														
STMDOL	MODEL NUMBER	SERVERD	REINIGENANT	JEEK	(MBH)	(°F)	(°F)	MCA	MOCP	VOLTS	PHASE	(LBS)	ILIMANNO		
CU-A	TRANE TTA24044D	DX-A	R-410A	11.6	244	45	95	40	50	480	3	875	1,2,3,4		
REMARKS						I					1				

ROVIDE WITH UNIT MOUNTED FUSED DISCONNECT SWITCH, NEMA 3R RATEI 2. PROVIDE WITH FILTER DRYER, EXPANSION VALVE, SOLENOID VALVE, SIGHT GLASS, INTERNAL PRESSURE RELIEF AND ISOLATION VALVES. 3. PROVIDE WITH AMBIENT OPERATION TO 50 DEGREES F. 4. PROVIDE WITH TWO SETS OF REFRIGERANT CIRCUITS.

		D	IREC	TEX	PANS	ION CC	OLIN	G COI	L SCH	EDULI	<b>-</b>			
				тота		MAXIMUM		AIR	SIDE		R	EFRIGER	ANT	
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	OF ROWS	CAP (MBH)	CAP (MBH)	FACE VELOCITY (FPM)	FLOW (CFM)	EAT (°F) DB/WB	LAT (°F) DB/WB	PD (IN WG)	TYPE	LIQUID TEMP. (°F)	SUCTION TEMP. (°F)	REMARKS
DX-A	TRANE UF	UM	4	234.9	164.5	439	6,000	79/ 66	54.0/ 53.01	0.396	R-410A	115	45	-
TYPES: UM = UNIT	MOUNTED													

AND SHAFT GROUNDING RING.

PROVIDE EACH FAN WITH BACKDRAFT DAMPER.
 FRAMING TO SUPPORT UNITS SHALL MATCH LAYOUT OF FRAMING SHOWN ON STRUCTURAL DRAWINGS.

## VARIABLE AIR VOLUME BOX SCHEDULE

				CHII	LLED W	ATER	R COIL	SCHE	EDULE									Η	OT WA	TER C	OIL S	CHEI	DULE					
			τοται	SENS	MAX.		AIR	SIDE	1	30%	GLYCOL S	SOLUTION	SIDE					TOTAL			All	R SIDE		30%	GLYCOL S	SOLUTION	SIDE	HWS&R
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	CAP (MBH)	CAP (MBH)	FACE VELOCITY (FPM)	FLOW (CFM)	EAT (°F) DB/WB	LAT (°F) DB	PD (IN WG)	FLOW (GPM)	EWT (°F)	LWT (°F)	PD (FT HD)	BRANCH	SYMBOL	MANUFACTURER	TYPE	CAP (MBH)	VELOCITY (FPM)	FLOW (CFM)	EAT (°F)	LAT (°F)	PD (IN WG)	FLOW (GPM)	EWT (°F)	LWT (°F)	PD (FT HD)	BRANCH SIZE
CHWC-D1	TRANE	UM	308	177	400	7,000	80.0/70.1	56.8	0.65	43	45	60	17.6	2-1/2"	HWC-D1	TRANE	UM	693	400	7,000	0	91.3	0.22	47	140	109.2	7.17	2-1/2"
CHWC-A	TRANE	UM	222.32	165.2	439	6,000	79/66	54.0	0.601	30	45	60	6.41	2"	HWC-A	TRANE	UM	260	439	6,000	50	90	0.239	18.4	140	110	0.86	1-1/2"
CHWC-1	TRANE	UM	849.6	459.9	400	15,000	80.93/70.6	53.0	0.9	119	45	60	19.5	4"	HWC-1	TRANE	UM	926.9	400	15,000	45	100	0.17	63	140	110	9.6	2-1/2"
CHWC-2	TRANE	UM	694.4	481.1	410	15,000	83/68.5	53.7	0.8	97	45	60	15.09	3"	HWC-2	TRANE	UM	916.2	375	15,000	35	91.32	0.101	62.5	140	109	12.16	2-1/2"
CHWC-3	TRANE	UM	1,196.7	736.2	400	18,000	90/73	52.6	0.9	167	45	60.1	18.3	4"	HWC-3	TRANE	UM	1991.2	400	18,000	0	102	0.204	136	140	109	16.8	3"
CHWC-4	TRANE	UM	500.2	372.34	400	13,000	80/66.5	54.0	0.50	72.1	45	60	9.0	2-1/2"	HWC-4	TRANE	UM	634.43	400	13,000	50	95	0.162	44.8	140	110	2.0	2"
CHWC-5	TRANE	UM	790.49	496.91	467	18,000	79/68	54.0	1.085	114	45	60	4.57	3"	HWC-5	TRANE	UM	1,756.89	467	18,000	0	90	0.257	124	140	110	8.51	3"
CHWC-6	TRANE	UM	740.7	535.38	400	18,000	80/66.5	53.0	0.5	107	45	60	19.21	3"	HWC-6	TRANE	UM	878.45	400	18,000	50	95	0.14	62	140	110	2.51	2-1/2"
CHWC-7	TRANE	UM	320.3	198.09	467	7,000	78.6/68	54.0	0.974	46.17	45	60	7.0	2"	HWC-7	TRANE	UM	531.41	448	7,000	20	90	0.251	37.52	140	110	1.07	2"
CHWC-8	TRANE	UM	1,040.9	570.8	400	20,000	79.9/70.1	53.8	1.03	153	45	59.4	11.91	4"	HWC-8	TRANE	UM	2,031.4	400	20,000	0	93.66	0.168	136.28	140	109	17.25	3"
CHWC-9	TRANE	UM	775.3	571.9	401	20,000	80/66.5	53.85	0.651	109.1	45	60.01	15.05	3"	HWC-9	TRANE	UM	924.4	401	20,000	48	90.62	0.148	63.6	140	109.56	5.73	2-1/2"
TYPES: UM = UNIT	TRANE       UM       775.3       571.9       401       20,000       80/66.5       53.85       0.651       109.1       45       60.01       15.05       3"         T MOUNTED       REMARKS: 1. WATER/GYCOL SOLUTION SHALL BE 30% PROPYLENE GLYCOL. 2. LAT IS SATURATED														TYPES: UM = UNIT MO DM = DUCT M	DUNTED					REMARKS	<u>3:</u> //GYCOL S(	OLUTION SHALL	. BE 30% PF	ROPYLENE	GLYCOL.		

	DUCTLE	SS SPLI	IT SYS	STEM A	IR CON	DITI	ONER	SC	HEDI	JLE								WR	AP AROU	ND HI	EAT PIP	E SCH	EDUL
		TOTAL	FLOW	REFRIGERAN	NT LINE SIZES		INDOOF	R UNIT			OUTDO	OR UNIT									PRE-COOL		
SYMBOL	MODEL NUMBER	CAPACITY MBH	RATE (CFM)	LIQUID	SUCTION	MCA	VOLTS	PH	WEIGHT (LBS)	MCA	VOLTS	PH	WEIGHT (LBS)	SYMBO	DL SI	UNIT ERVED	FLOW (CFM)	MAX. FACE VELOCITY (FPM)	REFRIGERANT	EAT (°F)	LAT (°F)	PD (IN WG)	EAT (°F)
AC-1 & CU-1	DAIKIN FTK24NMVJU RK24NMVJU	24	713	(1) 1/4"	(1) 5/8"	1	208	1	46	18.3	208	1	108	HP-2		AHU-2	15.000	825	R-134a	83 / 68.5	76.1/66.3	0.22	55 / 55
AC-2 & CU-2	DAIKIN FTK24NMVJU RK24NMVJU	24	713	(1) 1/4"	(1) 5/8"	1	208	1	46	18.3	208	1	108				40.000	007	D 124a	00 ( 72	<b>}</b>	0.46	
AC-3 & CU-3	DAIKIN FTK12NMVJU RK12NMVJU	12	434	(1) 1/4"	(1) 3/8"	1	208	1	29	12.2	208	1	60		KS:			807	R-134a	90773	82.6/70.9	0.16	52.6752
AC-4 & CU-4	DAIKIN FTK12NMVJU RK12NMVJU	12	434	(1) 1/4"	(1) 3/8"	1	208	1	29	12.2	208	1	60	1. PRO 2. CON	OVIDE W	/ITH MUL <sup>-</sup> ER SHALI	FIPLE SOLE BE 24 VO	ENOID VALVES LT AND FACTO	TO PROVIDE (4) ST RY INSTALLED.	AGE OF COI	NTROL. COORE	JINATE TYPE	OF CONTR
AC-5 & CU-5	DAIKIN FTK12NMVJU RK12NMVJU	12	434	(1) 1/4"	(1) 3/8"	1	208	1	29	12.2	208	1	60			····	un.	uuu	······	m	سبب	سبب	m
AC-6 & CU-6	DAIKIN FTK12NMVJU RK12NMVJU	12	434	(1) 1/4"	(1) 3/8"	1	208	1	29	12.2	208	1	60										
AC-7 & CU-7	DAIKIN FTK12NMVJU RK12NMVJU	12	434	(1) 1/4"	(1) 3/8"	1	208	1	29	12.2	208	1	60										
AC-8 & CU-8	DAIKIN FTK12NMVJU RK12NMVJU	12	434	(1) 1/4"	(1) 3/8"	1	208	1	29	12.2	208	1	60										
AC-9 & CU-9	FTK12NMVJU RK12NMVJU	12	434	(1) 1/4"	(1) 3/8"	1	208	1	29	12.2	208	1	60										
AC-10 & CU-10	DAIKIN FTK12NMVJU RK12NMVJU	12	434	(1) 1/4"	(1) 3/8"	1	208	1	29	12.2	208	1	60										
AC-11 & CU-11	DAIKIN FTK12NMVJU RK12NMVJU	12	434	(1) 1/4"	(1) 3/8"	1	208	1	29	12.2	208	1	60										
NOTES:							·						-										

1. PROVIDE UNIT WITH LOW AMBIENT CONTROL TO 0°F AND PROGRAMMABLE THERMOSTAT. 2. PROVIDE WITH WALL MOUNTING BRACKETS. 3. MOUNT THERMOSTATS TO WALL.

4. COOLING CAPACITY IS RATED AT 95°F OUTSIDE AIR AND 80°F INDOOR AIR. 5. PROVIDE EACH AC UNIT WITH FIELD INSTALLED CONDENSATE PUMP; SAUERMANN SI3100, 120V, 1PH OR APPROVED EQUAL

WITH COMPLETE INSTALLATION KIT INCLUDING PVC SNAP-ON COVERS 6. PROVIDE CONDENSATE PUMP WITH ALL REQUIRED TUBING, VALVES, AND FITTINGS.

FOR FULL ECONOMIZER CYCLE OPERATION. NET FREE AREA VELOCITY AT INTAKE SHALL BE MAX 500 FPM.

**100% CONSTRUCTION DOCUMENTS** drawing title

ME( SCH	CHANICA IEDULES	L S	STAT	E OF CON	NECTICU	Γ
	R	REVISIONS	drawing prepared	by		date
mork	data	description	Consulting	<b>Engineering Services</b>	s, Inc.	05/24/2019
mark	uale		811 Middle St., Middle	town, CT 06457		scale
1	07/23/2019	ADDENDUM #1				NTS
						drawn by
						ANK
			project			approved by
			ADDITIONS	AND RENOVATIONS	S	BDW
			PLATT TEC 600 Orange Avenue	HNICAL HIGH SCHO Milford, CT 06461	OL	drawing no.
			CAD no.	DCS project no. BI-RT-878 CM-R	OSCGR project no. 900-0013	M3-1-2

![](_page_47_Figure_43.jpeg)

	G	GAS FIR	ED INF	FRA-REI	O HEATEI	R SCHEDU	ULE														AI	R HAN	JDLIN	<b>J UNIT</b>	<b>SCHEI</b>	DULE												
SYMBOL	MANUFACTURER/	STAGES	LENGTH	fuel	BTUH INPUT	BTUH	GAS	E	ELECTRICA	AL				NO			SUPPLY F	AN DATA (	(PER FAN	N)					ECONOMIZER					EXHAUST / I	RETURN FA		PER FAN)			RA		MAX
			(FEET)		(LOW FIRE)	(HIGH FIRE)	PRESSURE	AMPS	VOLTS	PHASE	SYMBOL	MFR MODEL NO	SA DUCT CONNECTION	SA TOTAL FANS SA CEM		ESP	TSP SPEE	D	I	MOTOR DATA		ACCESS SECTION	HEATING COIL	FILTER SECTION	AND MIXING BOX	ER NO.	TOTAL	0514	ESP	TSP S	PEED		MOTOR D	ATA	(			HEIGHT INCLUDING NOTES
RH-1	SUPERIOR RADIANT MODEL WTS100	2	40	NATURAL GAS	75,000	100,000	5" TO 14"	12	120	1			SIZE			(IN WG)	(IN WG) (RPM	) BHP	HP	RPM VO	TS PH	- (LENGTH)	SECTION		SECTIONS	FANS	CFM	CFM	(IN WG)	(IN WG) (	RPM) B	HP F	IP RPM	VOLTS	PH	SIZE		RAIL
RH-2	SUPERIOR RADIANT MODEL 100	2	40	NATURAL GAS	75,000	100,000	5" TO 14"	12	120	1	ERV-M1	XeteX XHR-30-78-BP-HV	V 84"x18"	1 8,000	8,000	1.5	3.95 2,075	7.74	10	1,800 46	60 3	MIN 18"	HWC-EM1	REMARK #1	YES	PER-EM1 1	7,000	7,000	1.0	2.8	1,784 4.	.91 7	.5 1,800	) 460	3	84"x16"	10,000	60
RH-3	SUPERIOR RADIANT MODEL 100	2	40	NATURAL GAS	75,000	100,000	5" TO 14"	12	120	1	ERV-1	XeteX XHR-30-78-BP-HV	V 84"x18"	1 8,000	8,000	1.5	3.95 2,075	7.74	10	1,800 46	60 3	MIN 18"	HWC-E1	REMARK #1	YES	PER-1 1	7,000	7,000	1.0	2.8	1,784 4.	.91 7	.5 1,800	) 460	3	84"x16"	10,000	60
RH-4	SUPERIOR RADIANT MODEL 100	2	40	NATURAL GAS	75,000	100,000	5" TO 14"	12	120	1	ERV-2	XeteX XHR-30-78-BP-HV	V 84"x18"	1 8,000	8,000	1.5	3.95 2,075	7.74	10	1,800 46	60 3	MIN 18"	HWC-E2	REMARK #1	YES	PER-2 1	7,000	7,000	1.0	2.8	1,784 4.	.91 7	.5 1,800	) 460	3	84"x16"	10,000	60
<u>REMARKS:</u> 1. FURNISH R/ 2. FURNISH R/ 3. FURNISH R/	ADIANT HEATERS WITH INTER ADIANT HEATERS WITH ALL R ADIANT HEATERS WITH BLACH	RFACE TO BMS EQUIRED MOU K COATED ALU	NTING HARD\ MINIZED STEI	WARE. EL BURNER WIT	TH HOT SURFACE I	IGNITION.					ERV-3	XeteX XHR-30-78-BP-HV	V 84"x18"	1 8,000	8,000	1.5	3.95 2,075	7.74	10	1,800 46	60 3	MIN 18"	HWC-E3	REMARK #1	YES	PER-3 1	7,000	7,000	1.0	2.8	1,784 4.	.91 7	.5 1,800	) 460	3	84"x16"	10,000	60
4. PROVIDE O 5. PROVIDE FA 6. PROVIDE W 7. DISCONNEC	UTDOOR COMBUSTION INTAK ACTORY PRE & POST PURGE ( 'ITH ALUMINUM REFLECTOR. CT SWITCHES SHALL BE BY DI	KE ROOF CAPS CONTROLS AN	D MICRO-PRO	DCESSOR CIRC	UITY.						ERV-4	XeteX XHR-40-80- RC-BP-HW	100"x28"	2 10,000	5,000	1.5	4.25 2,075	4.67	7.5	1,800 46	60 3	MIN 18"	HWC-E4	REMARK #1	YES	PER-4 1	9,000	9,000	1.0	2.95	1,784 4.	.91 7	.5 1,800	) 460	3	100"x28"	16,000	72
		CASSE	TTE A	IR CON	DITIONIN	IG UNIT S	CHEDUL	LE			ERV-5	XeteX XHR-59-90-BP-HV	V 126"x32"	2 15,000	7,500	1.5	4.4 2,066	7.69	10	1,800 46	60 3	MIN 18"	HWC-E5	REMARK #1	YES	PER-5 2	14,000	7,000	1.0	3.35	1,862 5.	.62 7	.5 1,800	) 460	3	126"x36"	17,000	96
		TOTAL	SENS	AIR SIDE		WATER SIDE	N	MOTOR DAT	ТА		ERV-6	XeteX XHR-59-90-BP-HV	V 126"x32"	2 15,000	7,500	1.5	4.4 2,066	7.69	10	1,800 46	30 3	MIN 18"	HWC-E6	REMARK #1	YES	PER-6 2	14,000	7,000	1.0	3.35	1,862 5.	.62 7	.5 1,800	) 460	3	126"x36"	17,000	96
	SYMBOL MANUFACTURER MODEL NUMBER	CAP (MBH)	CAP (MBH) ((	ELOW EAT CFM) (°F) DB/W	FLOW I (GPM)	EWT LWT (°F) (°F) (	PD MCA (FT HD)	VOLTS	PH	BRANCH PIPE SIZE	ERV-7	XeteX XHR-59-90-BP-HV	V 126"x32"	2 15,000	7,500	1.5	4.4 2,066	7.69	10	1,800 46	60 3	MIN 18"	HWC-E7	REMARK #1	YES	PER-7 2	14,000	7,000	1.0	3.35	1,862 5.	.62 7	.5 1,800	) 460	3	126"x36"	17,000	96
	CAC-1 MODINE SCW-20	12.3	11.7	630 75.0 62.5	3.0	45 55	3.5 1.0	208	1	3/4"																												
	CAC-2 MODINE SCW-20	12.3	11.7	630 75.0	3.0	45 55	3.5 1.0	208	1	3/4"	REMARKS	APPLY TO ALL UI	NITS:																				NOTE					

		TOTAL		AIR	SIDE		WATE	R SIDE		M	IOTOR DAT	ГA	
SYMBOL	MANUFACTURER/ MODEL NUMBER	CAP (MBH)	CAP (MBH)	FLOW (CFM)	EAT (°F) DB/WB	FLOW (GPM)	EWT (°F)	LWT (°F)	PD (FT HD)	MCA	VOLTS	PH	BRANCH PIPE SIZI
CAC-1	MODINE SCW-20	12.3	11.7	630	75.0/ 62.5	3.0	45	55	3.5	1.0	208	1	3/4"
CAC-2	MODINE SCW-20	12.3	11.7	630	75.0/ 62.5	3.0	45	55	3.5	1.0	208	1	3/4"
CAC-3	MODINE SCW-20	12.3	11.7	630	75.0/ 62.5	3.0	45	55	3.5	1.0	208	1	3/4"
REMARKS	<u>S:</u>				·						<u>.</u>		<u>.</u>

1. DISCHARGE PATTERN SHALL BE 4-WAY. 2. FILTERS SHALL BE MERV 8.

3. PROVIDE EACH WITH INTEGRAL CONDENSATE PUMP. 4. RATINGS ARE BASED ON UNIT RUNNING WITH 100% WATER.

				F.	AN SC	CHEDU	JLE							
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	AREA SERVING	AIR FLOW (CFM)	SP (IN WG)	FAN SPEED (RPM)	DRIVE	BHP	N HP	IOTOR DAT	A PH	WEIGHT (LBS)	REMARK
EF-A	LOREN COOK / SQN-D 100 VF	IL I	PENTHOUSE C30	1 C	900	1.0	1832	D	0.314	1/2	115	1	130	1,2,5
EF-1	LOREN COOK / ACRU-D 165R VF	RMUBF	ROOF	В	3,200	0.5	1364	D	0.869	1.5	480	3	200	1,5
EF-2	LOREN COOK / ACRU-D 150R VF	RMUBF	ROOF	В	1,600	1.0	1281	D	0.47	3/4	480	3	110	1,5
EF-3	LOREN COOK /	RMDBF	ROOF	A	1,400	0.5	1558	D	0.267	1/2	115	1	100	1,5
EF-4	LOREN COOK / SON-D 135 VE	IL	MECH. B201	B (2nd ELOOR)	1,200	0.5	1150	D	0.201	1/3	115	1	200	1,2,5
EF-5	LOREN COOK /	IL	PENTHOUSE C30	1 C	3,000	0.5	1340	D	0.736	1.5	480	3	300	1,2,5
EF-6	LOREN COOK /	RMDBF	ROOF	A	250	0.5	1308	D	53 (W)	1/4	115	1	60	1,5
EF-7	FANTECH /	11	STORAGE	В	75.2	1.23	2318	D	0.54 (A)	1/10	115	1	30	1.2
FF-8	FANTECH /		B101 STORAGE	В	75.2	1.23	2318	D	0.54 (A)	1/10	115	1	30	12
EF-K1	DBF 110		B101 MECH.	В	600	0.8	1855		0.2	1/3	115	1	100	125
	SQN-D 100 VF	DMURE	B201	P	4 200	1.5	1386		1.02	3	480	3	500	1,2,5
	ACRU-D-HP 210				4,200	1.5	1500		0.04	1.5	400	5	400	1,7
EF-V2	SQN-D 165		MECH.	в	2,000	1.5	1595		0.94	1.5	480	3	400	1,2
EF-V3	SQN-D 165		B201	(2nd FLOOR)	2,000	1.2	1518	D	0.801	1.5	480	3	400	1,2
EF-V4	ACRU-D 165R VF	RMUBF	ROOF	В	2,100	0.8	1131	D	0.525	1.0	480	3	160	1,7
KEF-1	210 VCR-HP	RMUBF	ROOF	В	3,131	2.0	1352	В	1.9	3	480	3	375	1,4
KEF-2	225 VCR-HP	RMUBF	ROOF	B	3,915	2.0	1285	В	2.41	3	480	3	400	1,4
KEF-3	365 VCR-XP	RMUBF	ROOF	В	8,443	2.0	993	В	5.29	7.5	480	3	700	1,4
KEF-4	330 VCR-HP	RMUBF	ROOF	В	7,635	2.0	869	В	4.73	7.5	480	3	700	1,4
KEF-5	LOREN COOK / 225 VCR-XP	RMUBF	ROOF	В	2,208	2.0	1356	В	1.27	1.5	480	3	400	1,4
LEF-1	LOREN COOK / 120TCNHBLE07	HPDF	ROOF	D	1,020	1.0	2360	В	0.829	1.5	208	3	1200	1,8
LEF-2	LOREN COOK / 120TCNHBLE09	HPDF	ROOF	D	1,400	1.0	2378	В	0.899	1.5	208	3	1200	1,8
LEF-3	LOREN COOK / 135TCNHBLE09	HPDF	ROOF	D	1,500	1.0	2002	В	0.992	1.5	208	3	1300	1,8
SHEF-1	LOREN COOK / ACRU-D 165R VF	RMUBF	ROOF	E & F	2,200	0.8	1131	D	0.525	1.0	480	3	120	1,5,7
SHEF-2	LOREN COOK / ACRU-D-HP 150RH VF	RMUBF	ROOF	F	500	0.8	1140	D	0.142	1/4	115	1	125	1,5
SHEF-3	LOREN COOK / ACRU-D 195R VF	RMUBF	ROOF	F	4,800	1.0	1212	D	1.65	3.0	480	3	400	1,5,7
SHEF-4	LOREN COOK / ACRU-D-HP 150RH VF	RMUBF	ROOF	E	1,000	1.0	1,519	D	0.36	3/4	480	3	220	1,5,7
SHEF-5	LOREN COOK / ACRU-D 180R VF	RMUBF	ROOF	F	2,800	1.0	1141	D	0.938	2.0	480	3	280	1,5,7
SHEF-6	LOREN COOK / 245QMXU	RMUBF	ROOF	F	10,000	1.5	1144	В	4.23	5.0	208	3	2000	1,7,9
SHEF-7	LOREN COOK / 245QMXU	RMUBF	ROOF	F	10,000	1.5	1144	в	4.23	5.0	208	3	2000	1,7,9
SHEF-8	LOREN COOK / 900MXU	RMUBF	ROOF	F	1,150	1.5	2982	в	0.609	1.0	208	3	600	1,7,9
SHEF-9	LOREN COOK /	RMUBF	ROOF	E	700	0.8	1244	D	0.197	1/3	115	1	150	1,5
SHEF-10	LOREN COOK /	RMUBF	ROOF	E	600	0.5	1522	D	92 (W)	1/4	115	1	150	1,5
SHEF-11	LOREN COOK /	RMUBF	ROOF	F	5.600	1.0	1031	В	1.93	3.0	480	3	400	1,7
SHEF-12	LOREN COOK /	RMUBE	ROOF	F	7,000	2.0	801	R	3.07	5.0	480	3	500	17
SHEF-13	ACRU-XP 365RX11B	CUF	ROOF	E	5.600	1.0	1349	В	2.11	3.0	480	3	600	167
SHEE-14	195 CPS LOREN COOK /	CUE	ROOF	E	1 300	0.5	1618	в	0 279	1/2	480	3	300	1.6.7
VEE-1	120 CPS LOREN COOK /	CUE	ROOF		3,000	5.5	2700	В	3.8	5.0	480	3	750	1,0,7
	150 CPS LOREN COOK /		ROOF		2 400	5.0	2000	R	3.0	5.0	480	2	700	167
	150 CPS LOREN COOK /			BG	10,000	0.5	£00	ט ק	1 70	0.0	200	2	560	1,0,7
	ACRU-B 330R			RG	0.000	0.0	4004		1.70	2.0	200	о О	100	1
EF-BG2	ACRU-D 150R VF	KMUBF	MFP		2,000	0.5	1224		0.401	3/4	208	3	160	1,5
EF-BG3	90SQND-EC	IL	G102	BG DRIVE:	300	0.5 REMARKS	1569	D	75 (W)	1/6	115	1	150	1,2,5
IL         =           HPDF         =           CUF         =           RMDBF         =           CF         =           NOTE:         1.	IN-LINE HIGH PLUME DISCHARG CENTRIFUGAL UTILITY F ROOF MOUNTED DOWNI ROOF MOUNTED UPBLA CEILING FAN	E FAN AN BLAST FAN ST FAN SPEC SEC	TION 230923.	B = BELT D D = DIRECT	DRIVE F DRIVE	1. PROV 2. PROV 3. NOT L 4. FAN S 5. PROV 6. PROV 7. INSTA 8. PROVI BALAN	IDE WITH D IDE WITH V JSED. SHALL SERV IDE WITH U IDE WITH S ILL ON VIBF DE WITH M ICE EXTRA	ISCONNE IBRATION E GREAS NIT MOUN TEEL ACC ATION ISC IXING BO AIRFLOW	CT SWITC ISOLATC E HOOD / ITED VAF CESS DOC DLATION C WITH B AT MIXIN	CH. DRS. AND SH RIABLE S DR-BOL <sup>-</sup> ROOF ( YPASS I IG BOX	ALL BE UL7 SPEED CON T AND OSH, CURB AS SF DAMPER AN DAMPER. P	62 LISTE ITROLLE A BG/WE PECIFIEE ND DISC ROVIDE	ED. ER AND ECM EATHERCOV D IN SPEC SE HARGE NOZ. WITH HEAV	MOTOR. ER-STEEL. ECTION 2309 ZLE. Y DUTY CUF

SPARK RESISTANT RATING.

REMARKS APPLY TO ALL UNITS:

1. FILTERS SHALL BE MERV 12 FILTERS (2" DEEP) AT OA AND RA AND SHALL BE ANGLE FILTER ARRANGEMENT. 2. PROVIDE EACH FAN MOTOR WITH INDIVIDUAL VFD AND DISCONNECT SWITCH. EACH FAN SHALL BE PROVIDED WITH SHAFT GROUNDING RING.

3. PROVIDE EACH FAN WITH BACKDRAFT DAMPER WHERE UNIT IS SERVED BY TWO FANS. 4. PROVIDE WITH MODULATING FACE AND BYPASS DAMPERS AT ER SECTION.

5. PROVIDE WITH MODULATING RA/EXHAUST AIR DAMPERS. 6. PROVIDE DAMPERS AT OUTSIDE AIR AND EXHAUST AIR; DAMPERS SHALL BE REMOTE MOUNTED AT OUTSIDE AIR INTAKE HOOD AND EXHAUST AIR HOOD. 7. ALL FANS SHALL BE PROVIDED WITH INTERNAL SPRING ISOLATORS WITH MINIMUM 1.5" STATIC DEFLECTION.

# ENERGY RECOVERY SCHEDULE

						^E					SUM	IER PERFOR	MANCE		
			VENTIL	ATION AIR			EXHAUST A	IR		VENTIL	ATION AIR			EXHAUST A	IR
SYMBOL	TYPE	FLOW (CFM)	EAT (°F) DB	LAT (°F) DB	PD (IN WG)	FLOW (CFM)	EAT (°F) DB	PD (IN WG)	FLOW (CFM)	EAT (°F) DB/WB	LAT (°F) DB/WB	PD (IN WG)	FLOW (CFM)	EAT (°F) DB/WB	PD (IN WG)
PER-M1	PLATE TYPE	8,000	6	38.9	1.24	7,000	70	1.0	8,000	91/74	82.8/70.5	1.24	7,000	75/63	1.0
PER-1	PLATE TYPE	8,000	6	38.9	1.24	7,000	70	1.0	8,000	91/74	82.8/70.5	1.24	7,000	75/63	1.0
PER-2	PLATE TYPE	8,000	6	38.9	1.24	7,000	70	1.0	8,000	91/74	82.8/70.5	1.24	7,000	75/63	1.0
PER-3	PLATE TYPE	8,000	6	38.9	1.24	7,000	70	1.0	8,000	91/74	82.8/70.5	1.24	7,000	75/63	1.0
PER-4	PLATE TYPE	10,000	6	38.9	1.24	9,000	70	1.0	8,000	91/74	82.8/70.5	1.24	7,000	75/63	1.0
PER-5	PLATE TYPE	15,000	6	45.5	1.73	14,000	70	1.54	15,000	91/74	81.2/68.9	1.73	14,000	75/63	1.54
PER-6	PLATE TYPE	15,000	6	45.5	1.73	14,000	70	1.54	15,000	91/74	81.2/68.9	1.73	14,000	75/63	1.54
PER-7	PLATE TYPE	15,000	6	45.5	1.73	14,000	70	1.54	15,000	91/74	81.2/68.9	1.73	14,000	75/63	1.54

# <u>NOTES:</u> 1. PRESSURE DROP DATA IS MAXIMUM PRESSURE DROP ACROSS ENTIRE ENERGY RECOVERY SECTION.

	MAKE-UP AIR UNIT SCHEDULE																
SVMBOI	MANUFACTURER/	TVDE		ELIEI	IGNITION			% OA ESP		MOTOR	MCA	MOCP		DHVCE	WEIGHT	DEMARKS	
STMBOL	MODEL NUMBER		LUCATION		TYPE	CAPACITY (MBH)	CFM	AIR TEMP RISE (°F)	70 OA	(IN. WG)	G) HP		MOOI	VOLT	THACE	(LBS)	REMARKO
MAU-1	TRANE GRBA 80	I	ROOF	NG	ELECTRONIC	800	7,500	78	100	1.2	7.5	15	25	480	3	3,000	ALL
TYPE:																	

I = INDIRECT FIRED REMARKS:

### 1. PROVIDE WITH INTERFACES WITH BMS PER SPEC SECTION 23 0393. 2. PROVIDE WITH UNIT MOUNTED FUSED DISCONNECT SWITCH. 3. PROVIDE WITH SA FAN WITH VFD.

PROVIDE WITH SAFAR WITH VED.
 PROVIDE WITH MERV 8 FILTERS.
 PROVIDE PACKAGED FACTORY CONTROLS AIRFLOW PROVING SWITCH AND MODULATING GAS CONTROL VALVE.
 PROVIDE CUSTOM ROOF CURBS. REFER TO SPEC SECTION 23 0548.

	FAN COIL UNIT SCHEDULE																
				SUPPLY FAN DATA							COOLING	HEATING	ANGLE	OUTSIDE	OPERATING		
SYMBOL	MANUFACTURER/ MODEL NUMBER	SIZE		ESP	TSP	SPEED	рцр		ΜΟΤΟΙ	R DATA			COIL COIL FILTER			AIR WEIGHT	
				(IN WG)	(IN WG)	(RPM)		HP	RPM	VOLTS	PH	SECTION	SECTION	SECTION			
FCU-1	TRANE BCHD090G2	90	3,000	0.7	2	2531	2.062	3	1750	480	3	CHWC-F1	HWC-F1	NOTE #1	600	2500	ALL
FCU-2	TRANE BCHD090G2	90	3,000	0.7	2	2531	2.062	3	1750	480	3	CHWC-F2	HWC-F2	NOTE #1	600	2500	ALL
REMARK 1. FILTER 2. PROVI	MARKS: FILTERS SHALL BE 2" PLEATED, MERV 13. INITIAL AND FINAL PRESSURE DROPS AT 500 FPM SHALL BE 0.43" AND 1.0". PROVIDE WITH STAINI ESS STEEL DRAIN PANS																

				CI	HILLED	WAT	ER CO	IL SCI	HEDUL	Æ				
			тота		MAX.		AIR	IR SIDE		30% GLYCOL SOLUTION SIDE				CHWS&P
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	CAP (MBH)	CAP (MBH)	FACE VELOCITY (FPM)	FLOW (CFM)	EAT (°F) DB/WB	LAT (°F) DB	PD (IN WG)	FLOW (GPM)	EWT (°F)	LWT (°F)	PD (FT HD)	BRANCH
CHWC-F1	TRANE	UM	116	86	480	3,000	80/66.5	54.0	-	28.5	45	53.8	23.2	2"
CHWC-F2	TRANE	UM	116	86	480	3,000	80/66.5	54.0	-	28.5	45	53.8	23.2	2"
TYPES:						REMAR	KS:							

UM = UNIT MOUNTED

1. WATER/GYCOL SOLUTION SHALL BE 30% PROPYLENE GLYCOL. 2. LAT IS SATURATED

	FILTER SCHEDULE									ELECT
SYMBOL	MANUFACTURER/	SIZE	DEPTH	MIN	FACE VELOCITY	CLEAN PD	FINAL PD	REMARKS	SYMBOL	MANUFACTU MODEL NUM
	MODEL NUMBER	(L x W)		(%)	(FPM)	(IN WG)	(IN WG)		EH-1	QMARK QMKC
F-DC1	AIRGUARD LEGACY LOADTECH	4'0" x 2'6"	4"	MERV 14	500	0.44"	1.5"	1,2	EH-2	QMARK QMKC
	AIRGUARD								EH-3	QMARK QMKC
F-DC2	LEGACY	4'0" x 4'0"	4"	MERV 14	500	0.44"	1.5"	1,2	REMARKS: 1. PROVIDE	WITH CONTROL
NOTES:					1	I			2. BASEBOA	RD SHALL BE QN

CTRIC BASEBOARD SCHEDULE TURER/ OUTPUT ELECTRICAL DATA LENGTH JMBER BTU/HR WATT-VOLTS-PHASE LF REMARKS 8533 2500 - 208 -1 8' 1 \_\_\_\_\_ 8533 1 2500 - 208 -1 8' 8533 2500 - 208 -1 8' 1 OL TRANSFORMER FOR INTERFACING WITH BMS. QMARK MODEL LISTED OR APPROVED EQUAL BY BERKO OR MARLEY.

SIDES, SLIDE RAIL GUIDES AND RATING FOR MINIMUM 5" WG. PROVIDE DIFFERENTIAL PRESSURE GAUGE WITH TWO SHUT OFF VALVES.

[													
			]	HOT WA	ATER	COIL	SCHE	EDULE					
			TOTAL	MAXIMUM		AI	R SIDE		30%	GLYCOL S	SOLUTION	SIDE	
SYMBOL	MANUFACTURER	TYPE	CAP (MBH)	VELOCITY (FPM)	FLOW (CFM)	EAT (°F)	LAT (°F)	PD (IN WG)	FLOW (GPM)	EWT (°F)	LWT (°F)	PD (FT HD)	BRANCH SIZE
HWC-EM1	XeteX	UM	764.7	485	8,000	6	94.1	0.23	50	140	110	9.2	2"
HWC-E1	TRANE	UM	764.7	485	8,000	6	94.1	0.23	50	140	110	9.2	2"
HWC-E2	TRANE	UM	764.7	485	8,000	6	94.1	0.23	50	140	110	9.2	2"
HWC-E3	TRANE	UM	764.7	485	8,000	6	94.1	0.23	50	140	110	9.2	2"
HWC-E4	TRANE	UM	964.6	497	10,000	6	94.9	0.36	64	140	110	9.42	2-1/2"
HWC-E5	XeteX	UM	1401.3	526	15,000	6	92.1	0.22	100	140	110	15.0	3"
HWC-E6	TRANE	UM	1401.3	526	15,000	6	92.1	0.22	100	140	110	15.0	3"
HWC-E7	TRANE	UM	1401.3	526	15,000	6	92.1	0.22	100	140	110	15.0	3"
HWC-F1	TRANE	UM	162.7	480	3,000	50	100	-	31	140	129	12.04	2"
HWC-F2	TRANE	UM	162.7	480	3,000	50	100	-	31	140	129	12.04	2"
HWC-DC1	US COIL & AIR	DM	155.5	500	4,800	60	90	0.2	10.38	140	110	10	1-1/4"
HWC-DC2	US COIL & AIR	DM	259.2	500	8,000	60	90	0.2	17.28	140	110	10	1-1/2"
TYPES: UM = UNIT MO DM = DUCT M	DUNTED IOUNTED					REMARKS 1. WATER 2. HWC-D 3. HWC-D	<u>S:</u> R/GYCOL S C1 SHALL C2 SHALL	OLUTION SHALI BE 48" x 36". BE 48" x 48".	_ BE 30% PF	ROPYLENE	GLYCOL.		

	FUEL OIL TRANSFER PUMP SCHEDULE											
SYMBOL	MANUFACTURER/	TYPE		SYSTEM	MEDIA	FLOW BATE	FLOW PRESSURE		MOT	OR DATA		REMARKS
OTWIDOL	MODEL NUMBER		LOOATION	SERVING		(GPH)	(PSI)	HP	RPM	VOLTAGE	PHASE	
FOTP-1	PREFERRED UTILITIES/ MODEL 101	ES	HVAC E120	HVAC & PLUMBING	#2 FUEL OIL	20	100	1/3	1725	208	1	1, 2
FOTP-2	PREFERRED UTILITIES/ MODEL 101	ES	HVAC E120	HVAC & PLUMBING	#2 FUEL OIL	20	100	1/3	1725	208	1	1, 2
DTP-1	PREFERRED UTILITIES	IL	PLUMBING E101	PLUMBING SHOP	#2 FUEL OIL	20	100	1/3	1725	120	1	
DTP-2	PREFERRED UTILITIES	IL	HVAC E120	HVAC SHOP	#2 FUEL OIL	20	100	1/3	1725	120	1	
<u>TYPE:</u> ES = ENE IL = IN-LII	) SUCTION NE			<u>FUEL OIL PIPE</u> REFER TO FUE	<u>sizes:</u> :L oil Piping Diagr	AM FOR FUE	L PIPE SIZES					
REMARK	<u>S:</u>			NDANOV								

1. PUMPS SHALL BE DUPLEX TYPE TO PROVIDE 100% REDUNDANCY. 2. PROVIDE A LINE SIZE ANTI-SIPHON VALVE ON FUEL OIL INLET PIPE.

### INDUCED DRAFT FAN SCHEDULE MOTOR DATA MANUFACTURER/ MODEL NUMBER AREA WEIGHT SYMBOL LOCATION FLOW (CFM) TYPE SERVING (LBS) HP VOLTS PH $\rightarrow$ $\sim$ ENERVEX PLUMBING IDF-1 200 0.3 D 1/2 120 75.0 RMUBF ROOF MODEL RSV 200 SHOP m m PLUMBING SHOP ENERVEX IDF-2 75.0 ROOF D 1/2 120 RMUBF 100 RM1 0.2 MODEL RSV 200 MENERVER HVAC SHOP IDF-3 SHOP 300 0.3 D 1/2 120 75.0 IL | MODEL IPVB TYPE: DRIVE: REMARKS IL = IN-LINE RMUBF = ROOF MOUNTED UPBLAST FAN B = BELT DRIVE 1. PROVIDE WITH DISCONNECT SWITCH. PROVIDE WITH DISCONNECT SWITCH. D = DIRECT DRIVE 2. PROVIDE WITH VIBRATION ISOLATORS. SPECIFIED IN SPEC SECTION 230548.

### **100% CONSTRUCTION DOCUMENTS** drawing title STATE OF CONNECTICUT MECHANICAL SCHEDULES DEPARTMENT OF ADM drawing prepared by REVISIONS Consulting Engineering mark date description 811 Middle St., Middletown, CT 06457 1 07/23/2019 ADDENDUM #1 project ADDITIONS AND RENO PLATT TECHNICAL HIG 600 Orange Avenue Milford, CT 06461 DCS pro CAD no.

OF ADMINISTRATIV	E SERVICES	
		date
neering Services, Ir	IC.	05/24/2019
6457	scale	
		1/8" = 1'-0"
		drawn by
		ВЕК
		approved by
RENOVATIONS		BDW
AL HIGH SCHOOL		drawing no.
DCS project по. ві-ят-878 см-я	OSCGR project no. 900-0013	M3-1-3

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9.2	
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![](_page_49_Figure_0.jpeg)

![](_page_49_Figure_5.jpeg)

![](_page_49_Figure_6.jpeg)

![](_page_49_Figure_7.jpeg)

(5

![](_page_49_Figure_9.jpeg)

![](_page_49_Figure_10.jpeg)

![](_page_49_Figure_11.jpeg)

(10

![](_page_49_Figure_13.jpeg)

![](_page_49_Figure_14.jpeg)

![](_page_49_Figure_16.jpeg)

![](_page_49_Figure_17.jpeg)

HOOD TEMP: UDICATE COOKING OPERATIONS ARE OCCURING. KITCHEN HOOD CONT N.T.S.	P P S P S P S P S P S P S P S P S P S P S P S P S P S P S P S P S P S S P S S P S S S S S S S S S S S S S	D 1 1 1 1 1 1 1 1 1 1 1 1 1	REFRIGERANT LEAK DETECTION PANEL IN REFER TO KITCHEN D ANSUL FIRE SUPPRESSION S REFER TO KITCHEN D EF-1 EF-2 EF-3 EF-4 EF-5 START WHEN SWITCH IS O START IF TEMP. IN HOOD IS AN SETPOINT. TE AHU/MAU SHALL AUTO ST	I KITCHEN DRAWINGS. SYSTEM, DRAWINGS. N. S FART WHEN
$ \begin{array}{c}                                     $	The second secon	DIAGRAM		
MONITOR FOR ALARM	IPMENT ALAR	DI 2 MON ALAF	ITOR FOR	
TROUBLE $ \underbrace{19}_{N.T.S.} $ 100% CONSTRUCTION DOCUME drawing title MECHANICAL CONTROLS REVISIONS	ENTS STATE O DEPARTMENT O drawing prepared by Consulting Engin	DI DIAGRAM OL DIAGRAM OL DIAGRAM OF ADMINISTRATIV DE CONNECTION OF ADMINISTRATIV	E NICS F110 SION F115	С баte 05/24/2019
Intain         Uate         Gescription           1         07/23/2019         ADDENDUM #1	811 Middle St., Middletown, CT 06 project ADDITIONS AND PLATT TECHNIC, 600 Orange Avenue Milford, C CAD no.	RENOVATIONS AL HIGH SCHOOL T 06461 DCS project no. BI-RT-878 CM-R	OSCGR project no. 900-0013	scale 1/8" = 1'-0" drawn by Author approved by Approver drawing no. <b>M5-1-4</b>

![](_page_50_Figure_0.jpeg)

1 FIRST FLOOR ELECTRICAL POWER PLAN - AREA E 1/8" = 1'-0"

	GENERAL NOTES - ELECTRICAL POWER
1.	ALL CIRCUITS SHALL BE 2#12,#12G.,3/4"C., TO NEW 20A-1P CIRCUIT BREAKER IN PANEL IN NOTED OTHERWISE.
2.	ALL 120VAC BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10,#10G., 3/4"C. U OTHERWISE.
3.	ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
1.	REFER TO ARCHITECTS REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MODEVICES.
5.	REFER TO DRAWING E5-1-1 FOR ELECTRICAL SYMBOLS, LEGENDS, AND ABBREVIATIONS.
6.	REFER TO DRAWING E5-1-2 FOR MOTOR CIRCUIT SCHEDULE.
7.	ALL RECEPTACLES LOCATED WITHIN 6' OF A SOURCE OF WATER SHALL BE GFCI TYPE.
8.	ALL RECEPTACLE BRANCH CIRCUIT HOMERUNS SERVING A SPACE SHALL BE IN CONDUIT. SPECIFICATIONS FOR ALLOWABLE USE OF MC CABLE.
9.	ALL PANELBOARD FEEDERS SHALL BE IN CONDUIT.
10.	IN ALL LOCATIONS WHERE AN ELECTRICAL DEVICE IS MOUNTED ON A PRECAST WALL, PR CONDUIT, CONCEALED WIRING AND TERMINATIONS WITHIN PRECAST CONCRETE PANELS SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11.	IN ALL LOCATIONS WHERE AN ELECTRICAL DEVICE IS MOUNTED ON AN ALUMINUM STORI BACKBOXES, CONDUIT, CONCEALED WIRING AND TERMINATIONS WITHIN STORE FRONT. FOR ADDITIONAL INFORMATION.
	LIGHTNING PROTECTION KEY NOTES
LP	PROVIDE A GROUND RING CONDUCTOR (COUNTERPOISE) EXTENDING AROUND THE PL BUILDING. BURY COUNTERPOISE NOT LESS THAN 30-INCHES BELOW GRADE AND 5-FE FOUNDATION. USE #4/0 AWG FOR COUNTERPOISE AND FOR TAP TO BUILDING STEEL. ( CONDUCTOR TRENCH SHALL BE FILLED WITH 1" OF ERICO G.E.M. ABOVE AND BELOW ( WHERE SHOWN).
	<ul> <li>PROVIDE A GROUND RING CONDUCTOR (COUNTERPOISE) EXTENDING AROUND THE PI BUILDING. BURY COUNTERPOISE NOT LESS THAN 30-INCHES BELOW GRADE AND 5-FE FOUNDATION. USE #4/0 AWG FOR COUNTERPOISE AND FOR TAP TO BUILDING STEEL. ( CONDUCTOR TRENCH SHALL BE FILLED WITH 1" OF ERICO G.E.M. ABOVE AND BELOW ( WHERE SHOWN).</li> <li>GROUND THE STEEL FRAMEWORK OF THE BUILDING WITH A GROUND ROD AT EVERY ( AT EVERY OTHER EXTERIOR COLUMN. GROUND RODS SHALL BE LOCATED IN COUNTE SHALL BE ATTACHED TO COUNTERPOISE WITH A TYPE GY (CONDUCTOR-TO-ROD) BY FI (CONDUCTOR-TO-CONDUCTOR) CONNECTION BY ERICO. TOP OF GROUND ROD SHALL 24" BELOW GRADE. THE CONDUCTOR THAT ATTACHES THE ROD TO THE COUNTERPOI CONTINUOUS TO THE BASE OF THE STRUCTURAL STEEL COLUMN AND SHALL BE WELL (TYPICAL WHERE SHOWN).</li> </ul>

100%				C					
drawing FIRS ELE PLAI	) title ST FLOO CTRICAL N AREA	R _ POWER E	STATI	STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES					
	R	EVISIONS	drawing prepared by		_	date			
mark 1	date 07/23/2019	description ADDENDUM #1	811 Middle St., Middletow	ingineering Services	s, Inc.	05/24/2019 scale As indicated drawn by vJM			
			project ADDITIONS A PLATT TECH 600 Orange Avenue	AND RENOVATIONS NICAL HIGH SCHO lilford, CT 06461	S OL	арргоved by кsм drawing no.			
			CAD no.	DCS project no. BI-RT-878 CM-R	OSCGR project no. 900-0013	E2-1-1E			

# ECTRICAL POWER

-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS

STH SHALL BE 2#10,#10G., 3/4"C. UNLESS NOTED

EXACT LOCATION OF CEILING MOUNTED ELECTRICAL

WATER SHALL BE GFCI TYPE. IG A SPACE SHALL BE IN CONDUIT. REFER TO

OUNTED ON A PRECAST WALL, PROVIDE BACKBOXES, HIN PRECAST CONCRETE PANELS. SEE

OUNTED ON AN ALUMINUM STORE FRONT, PROVIDE INATIONS WITHIN STORE FRONT. SEE SPECIFICATIONS

## TION KEY NOTES

POISE) EXTENDING AROUND THE PERIMETER OF THE D-INCHES BELOW GRADE AND 5-FEET FROM BUILDING ND FOR TAP TO BUILDING STEEL. COUNTERPOISE ERICO G.E.M. ABOVE AND BELOW CONDUCTOR (TYPICAL

WITH A GROUND ROD AT EVERY CORNER COLUMN AND S SHALL BE LOCATED IN COUNTERPOISE TRENCH AND PE GY (CONDUCTOR-TO-ROD) BY ERICO AND AN XB CO. TOP OF GROUND ROD SHALL NOT BE LESS THAN ES THE ROD TO THE COUNTERPOISE SHALL BE RUN EEL COLUMN AND SHALL BE WELDED TO THE COLUMN

TNING PROTECTION SYSTEM ON THE ROOF TO A COUNTERPOISE TRENCH AND SHALL BE ATTACHED TO OD) BY ERICO AND AN XB (CONDUCTOR-TO-JND ROD SHALL NOT BE LESS THAN 24" BELOW GRADE. COUNTERPOISE SHALL BE RUN CONTINUOUS TO THE ERE SHOWN).

CONNECTICUT

![](_page_51_Figure_0.jpeg)

![](_page_51_Figure_2.jpeg)

	GENERAL NOTES - ELECTRICAL POWER
1.	ALL CIRCUITS SHALL BE 2#12,#12G.,3/4"C., TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
2.	ALL 120VAC BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10,#10G., 3/4"C. UNLESS NOTED OTHERWISE.
3.	ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
4.	REFER TO ARCHITECTS REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL DEVICES.
5.	REFER TO DRAWING E5-1-1 FOR ELECTRICAL SYMBOLS, LEGENDS, AND ABBREVIATIONS.
6.	REFER TO DRAWING E5-1-2 FOR MOTOR CIRCUIT SCHEDULE.
7.	ALL RECEPTACLES LOCATED WITHIN 6' OF A SOURCE OF WATER SHALL BE GFCI TYPE.
8.	ALL RECEPTACLE BRANCH CIRCUIT HOMERUNS SERVING A SPACE SHALL BE IN CONDUIT. REFER TO SPECIFICATIONS FOR ALLOWABLE USE OF MC CABLE.
9.	ALL PANELBOARD FEEDERS SHALL BE IN CONDUIT.
10.	IN ALL LOCATIONS WHERE AN ELECTRICAL DEVICE IS MOUNTED ON A PRECAST WALL, PROVIDE BACKBOXES, CONDUIT, CONCEALED WIRING AND TERMINATIONS WITHIN PRECAST CONCRETE PANELS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11.	IN ALL LOCATIONS WHERE AN ELECTRICAL DEVICE IS MOUNTED ON AN ALUMINUM STORE FRONT, PROVIDE BACKBOXES, CONDUIT, CONCEALED WIRING AND TERMINATIONS WITHIN STORE FRONT. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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![](_page_52_Figure_0.jpeg)

	GENERAL NOTES - ELECTRICAL POWER
1.	ALL CIRCUITS SHALL BE 2#12,#12G.,3/4"C., TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
2.	ALL 120 AND 277 VAC BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10,#10G., 3/4"C. UNLESS NOTED OTHERWISE.
3.	ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
4.	REFER TO ARCHITECTS REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL DEVICES.
5.	REFER TO DRAWING E5-1-1 FOR ELECTRICAL SYMBOLS, LEGENDS, AND ABBREVIATIONS.
6.	REFER TO DRAWING E5-1-2 FOR MOTOR CIRCUIT SCHEDULE.
7.	ALL RECEPTACLES LOCATED WITHIN 6' OF A SOURCE OF WATER SHALL BE GFCI TYPE.
8.	ALL RECEPTACLE BRANCH CIRCUIT HOMERUNS SERVING A SPACE SHALL BE IN CONDUIT. REFER TO SPECIFICATIONS FOR ALLOWABLE USE OF MC CABLE.
9.	ALL PANELBOARD FEEDERS SHALL BE IN CONDUIT.
10.	REFER TO SPECIFICATION SECTION 26 5100, APPENDIX A FOR THE LIGHT FIXTURE SCHEDULE.
11.	REFER TO DRAWINGS E6-1-3, E6-1-4, AND E6-1-5 FOR LIGHTING CONTROL DETAILS.
12.	EXIT SIGNS SHALL BE WIRED TO LINE SIDE OF LOCAL LIGHTING BRANCH CIRCUIT, AHEAD OF ALL SWITCHING DEVICES.
13.	PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE WALLS OR SMOKE BARRIERS AS REQUIRED. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALLS.
14.	MC CABLE WHIPS SHALL BE ALLOWED FOR FINAL CONNECTIONS TO LIGHTING FIXTURES ABOVE ACCESSIBLE CEILINGS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING USE OF MC CABLE.
15.	MINIMUM MOUNTING HEIGHT OF LIGHTING FIXTURES IN PENTHOUSE SPACE TO BE 6'-6" AFF. COORDINATE MOUNTING HEIGHTS WITH EQUIPMENT IN ROOM SUCH THAT LIGHTING IS NOT OBSTRUCTED BY DUCTWORK, PIPING AND CONDUIT.
	ELECTRICAL KEY NOTES
	PROVIDE 3" RMC POST WITH CAP ON TOP, CLAMPED TO RAILING. STRAP BOX FOR LIGHT SWITCH TO POST

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1 07/23/	2019	ADDENDUM #1				As indicated		
						drawn by		
						VJM		
			project	approved by				
			ADDITIONS AND	RENOVATIONS		RSM		
			PLATT TECHNIC 600 Orange Avenue Milford, C	PLATT TECHNICAL HIGH SCHOOL 600 Orange Avenue Milford, CT 06461				
			CAD no.	DCS project no. ві-ят-878 см-я	OSCGR project no. 900-0013	E2-2-1C		

E2 PROVIDE 3" RMC POST WITH CAP ON TOP, CLAMPED TO RAILING. STRAP BOX FOR FIRE ALARM PULL STATION TO POST WITH STAINLESS STEEL BAND @ 4'-0" AFF AND ANOTHER BOX STRAPPED AT 6'-6" AFF FOR HORN STROBE. E3PROVIDE 3" RMC POST WITH CAP ON TOP, CLAMPED TO RAILING. STRAP BOX FOR HORN STROBE TO POST<br/>WITH STAINLESS STEEL BAND @ 6'-6" AFF. E4 SMOKE DAMPER AND ASSOCIATED CONTROL MODULE. REFER TO DETAIL 7/E6-1-1 FOR ADDITIONAL INFORMATION.

![](_page_53_Figure_0.jpeg)

CEILING
 2"C FOR LOW VOLTAGE AV & TELECOMMUNICATIONS WIRING
WIREMOLD #EFSB4 RECESSED WALL BOX SEE NOTE 4.
J - ON PLANS
INTERACTIVE SMART BOARD
 FLOOR

- INPUT/OUTPUT CONNECTIONS TO THE MONITOR AND IS FREE AND CLEAR OF FIXED MOUNTING ARMS ON THE MONITOR MOUNT. COORDINATE FINAL LOCATION WITH APPROVED MONITOR AND
- a. (1) EFS DIVIDER PLATE TO SEPARATE LOW VOLTAGE COMPARTMENT. b. (2) DUPLEX RECEPTACLES WITH COVER PLATES.
- TECHNOLOGY CONTRACTOR. TELECOMMUNICATIONS DEVICES, AV DEVICES AND COVER PLATES

10 TYPICAL VIDEO DISPLAY MONITOR WIRING DETAIL

### \_ 2#12,#12G,3/4"C PROVIDE CIRCUIT BREAKER LOCK.

### - TYPICAL HVAC SUPPLY OR RETURN DUCTWORK

AIR FLO - TYPICAL HVAC SUPPLY OR RETURN DUCTWORK

### 6 FIRE ALARM CONTROL MODULE/RELAY MODULE PROVIDED BY DIV. 26. WIRED IN SERIES WITH BMS INDUIT DELAY TO CLOSE RAVERS IN 1997 WIRED IN SERIES WITH BMS INPUT RELAY TO CLOSE DAMPER UPON ACTIVATION.

2#12,1#12G,3/4"C FOR DAMPER POWER FROM UNSWITCHED 120V SOURCE. SEE PLANS FOR ADDITIONAL INFORMATION.

LOW VOLTAGE COIL CONTROL WIRING FROM BUILDING MANAGEMENT SYSTEM, WIRING BY DIV. 23.

9 UL LISTED DPDT RELAY WITH LOW VOLTAGE COIL BY DIV. 26. COORDINATE COIL OPERATING VOLTAGE WITH DIV. 23.

(10) LOCATE DUCT SMOKE DETECTORS WITHIN 5 FT. OF THE SMOKE DAMPER.

![](_page_53_Figure_27.jpeg)

JUNCTION BOX FOR CONNECTION TO ELEVATOR CONTROLLER. COORDINATE WIRING, TERMINATIONS AND CONDUIT ENTRY WITH THE ELEVATOR CONTRACTOR.

4 ELEVATOR MACHINE SPACE DETAIL N.T.S.

![](_page_53_Figure_30.jpeg)

SEE DRAWINGS AND PARTIAL PLANS FOR ADDITIONAL INFORMATION. COORDINATE LOCATION OF ALL DEVICES WITH ELEVATOR VENDOR. SPECTRUM LIGHTING 'WJ1LW20L40KEXGJICG1CP104KOMW' WALL MOUNTED FIXTURE OR APPROVED EQUAL.

8 TYPICAL FIRE ALARM SYSTEM ELEVATOR RECALL RISER N.T.S.

# WIREMOLD #EFSB4 RECESSED WALL BOX. SEE NOTE 3. CEILING (NOTE FLOOR

![](_page_53_Figure_37.jpeg)

(ALL WIRING SHALL BE IN APPROVED RACEWAY UNLESS OTHERWISE NOTED) 11 CEILING MOUNTED SINGLE-CIRCUIT OCCUPANCY SENSOR SCHEMATIC N.T.S.

# **100% CONSTRUCTION DOCUMENTS** mark date description 811 Middle St., Middletown, CT 06457

drawing title ELECTRICAL DETAILS	STAT
REVISIONS	drawing prepared

1 07/23/2019 ADDENDUM #1

-SEE NOTE 9

-SEE NOTE 8

MM

- ENCLOSED RELAY DPDT 120 VOLT COIL 10 AMP AT 115 VAC CONTACT RATING - AUXILIARY CONTACTS WITHIN BREAKER - SHUNT-TRIP CIRCUIT BREAKER

FIRE ALARM MONITOR MODULE (TYPICAL)

600 Orange Avenue Milford, CT 06461

CAD no.

TE OF CONNECTICUT MENT OF ADMINISTRATIVE SERVICES

date 05/24/2019 Consulting Engineering Services, Inc. scale N.T.S. drawn by VJM approved by ADDITIONS AND RENOVATIONS RSM PLATT TECHNICAL HIGH SCHOOL drawing no. E6-1-1 OSCGR project no. DCS project no. BI-RT-878 CM-R 900-0013

![](_page_54_Figure_0.jpeg)

PARTIAL ELECTRICAL RISER DIAGRAM VOCATIONAL SWITCHBOARD └<sup>/</sup> N.T.S.

1ST FLOOR

### **100% CONSTRUCTION DOCUMENTS** drawing title

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	R	EVISIONS	drawing prepared by				
mark	date	description	811 Middle St., Middletown, CT 06457	rin			
·			project				
			PLATT TECHNICAL 600 Orange Avenue Milford, CT 0646				
			CAD no. DCS BI-	Spr RT-87			

ONS FOR ADDITIONAL INFORMATION.
ID CT CABINET REQUIREMENTS AND INSTALLATION
SHALL HAVE LSIG FUNCTIONS WITH ENERGY ICE SETTING (ERMS) SYSTEM WITH MAINTENANCE CIFICATIONS FOR ADDITIONAL INFORMATION.
DUNDING DETAIL, DRAWING E7-1-3 FOR SERVICE REQUIREMENTS (APPLIES TO ALL SERVICES FED RMER).
E FEEDER SCHEDULE, DRAWING E7-1-3 FOR S.
ANSFORMER SCHEDULE, DRAWING E7-1-3 FOR EMENTS.
T4DX-300H-300H-300H-480-311-S-C MANUAL TEMPORARY GENERATOR MAINTENANCE
AFETY EMERGENCY PANELBOARDS SHALL BE TYPE D) CABLE. TYPICAL FOR ALL FEEDERS OF THIS
HE SWITCHBOARD PER THE SPECIFICATIONS AND ID FAULT CURRENT INDICATION. IN ADDITION BIGNAGE INDICATING THE LOCATION OF OTHER REFER TO SPECIFICATION SECTION 26 05 53 FOR
KER WITH GFCI PROTECTION.

RE1 6

**CONNECTICUT** DMINISTRATIVE SERVICES date ing Services, Inc. 05/24/2019 scale

### N.T.S. drawn by VJM approved by IOVATIONS RSM drawing no. E7-1-2 OSCGR project no. 900-0013 project no. -878 см-к

![](_page_55_Figure_1.jpeg)

3. BOND TO ALL AVAILABLE POINTS

4. PROVIDE GROUND ENHANCEMENT MATERIAL (GEM ) AS REQUIRED

3 SERVICE GROUNDING DETAIL N.T.S.

RE1 9		75	KVA	PRIMARY	SECOND	ARY 4	80 VOLT		DRY			E		GEC		SSBJ
{		2E 	9	AMPS 11	AMPS 25	OVE	RCURREN 20A, 3P	T ov	(NOTE4) ERCURREN 30A, 3P	3#12 & 1#12G - 3/4	4"C	4#10	) - 3/4"C	(NOTE) 1#8 - 3/4"C	5) 1#8	(NOTE 6) - 3/4"C
Ę		·2	15	18	42		30A, 3P		50A, 3P	3#10 & 1#10G - 3/4	4"C	4#8	- 1"C - 1 1/2"C	1#8 - 3/4"C	1#8	- 3/4"C
Ş		-4	45	54	125		90A, 3P		150A, 3P	3#3 & 1#8G - 1 1/4	"C	4#1	0 - 1 1/2"C	1#6 - 3/4 C	1#6	- 3/4 C - 3/4"C
ł	т Т	·5 ·6	75 112.5	90 135	208 313	1	50A, 3P 00A, 3P		250A, 3P 400A, 3P	3#1/0 & 1#6G - 1 1, 3#3/0 & 1#6G - 2"C	/2"C	4#2	50 KCMIL - 2 1/2"C 00 KCMIL - 3 1/2"C	1#2 - 3/4"C 1#1/0 - 3/4	"C 1#1	- 3/4"C /0 - 3/4"C
ł	•   T	7	150 225	181 270	417 625	3	00A, 3P 00A, 3P		500A, 3P 800A, 3P	3#350 KCMIL & 1#4 3#400 KCMIL & 1#3	4G - 3"C 3G - 3 1/2"C	8#2	50 KCMIL - (2) 2 1/2"C	1#1/0 - 3/4 1#3/0 - 3/4	"C 1#1. "C 1#1.	/0 - 3/4"C /0 - 3/4"C
5		·9	300	361	834	6	00A, 3P		1000A, 3P	6#350 KCMIL & 2#	1G - (2) 3"C	12#4	400 KCMIL - (3) 3"C	1#3/0 - 3/4	"C 1#3	/0 - 3/4"C
ξ		11	750	902	2082	1	000A, 3P	2	2000A, 3P	9#600 KCMIL & 3#3	3/OG - (3) 3-1/2"(	C 24#6	600 KCMIL - (6) 4"C	1#300 KCN	4IL- 1"C 1#3	00 KCMIL - 1'
	1 2 3 4 5 6 7	. E 2. U 3. // 4. ( 5. ( 5. ( 5. ( 7. (	30ND JSE N 250-83 ALL C SECO (MAIN GROL SYST GROL TRAN 600 K	) NEUTRAL JEAREST / 3 FOR THE ONDUCTO NDARY OV I BREAKEF JNDING EL EM. EM BONDI JND BAR IN ISFORMER CMIL CON	L TRANSFC AVAILABLE E SEPARAT DR SIZES A VERCURRE R), AN INDIV LECTRODE ING JUMPE N THE FIRS GROUND DUCTORS	RMER SE EFFECTIN ELY DERI RE FOR C SNT PROT /IDUALLY CONDUC R/SUPPLY T SUPPLY BAR. SHALL BE	CONDARY /ELY GROU /ED SYSTI OPPER CC ECTION SF MOUNTED TOR TO BE 7 SIDE BON 7 SIDE DISC PROVIDEI	TO TH UNDEE EM GR DNDUC HALL B CIRCU E RUN I NDING CONNE D WITH	E TRANSFC WATER PI OUNDING E TORS. N.E.( E LOCATED JIT BREAKE FROM GROU JUMPER TC ECTING MEA MAC ADAF	ORMER GROUND BAR A PE, STRUCTURAL STE LECTRODE. C. TABLE 310-16. WITH IN (10) FEET OF R, OR A FUSIBLE DISC JND BAR IN TRANSFOF D BE INSTALLED BETWO NS (PANELBOARD, EN PTERS AS REQUIRED T	AND CASE WITH EL AND/OR DRIV THE TRANSFOR CONNECT SWITC RMER TO THE G EEN THE TRANS NCLOSED CIRCU	I SYSTE /EN GR RMER S 2H. ROUNE 6FORMI IIT BRE. E WITH	M BONDING JUMPER OUND ROD IN ACCOP ECONDARY TERMINA NING ELECTRODE FOI ER GROUND BAR ANI AKER OR FUSIBLE DI BREAKER LUG SIZES	RDANCE WI ALS EITHER R THE SEPA D CASE ANE SCONNECT	TH N.E.C. 25( IN A PANELE RATELY DEF BETWEEN 1 SWITCH) AN	)-81 AND 30ARD RIVED THE D
		ہر = -			SI7E	<u>~~</u>		ىرىم ا			FGEND	ىرىد OF 1	EFEDER SI	ZES	m	····
		- Г NDI							FEEDER	CONDUCTORS (3 PH/			CONDUCTORS	HASE,	RACEWAY	NOMINAL
NDUCTORS (3 P 'IRE)	PHASE	,	CON 4 W	IDUCTORS	S (3 PHASE	, AMP RATI	INAL ERE NG		SYMBOL	3 WIRE) WITH GROUN		DUIT	4 WIRE) WITH GROU	JND	SIZE CONDUIT	AMPERE RATING
		4	3#8				60			3#4 & 1#8G		1"	4#4 & 1#10G		1 1/4"	60
		$\pm$	0#0,				70			3#1 & 1#8G	1	1/2"	4#4 & 1#8G		1 1/4"	70
		+	3#8,	1#8N			00			3#1 & 1#6G		_ 1/2"	4#1 & 1#8G		1 1/2"	100
		$\overline{+}$	3#4,	, 1#4N						3#1/0 & 1#6G	1	1/2"	4#1 & 1#6G		2"	125
		$\downarrow$	3#4,	, 1#4N			25		(10) (11)	3#2/0 & 1#6G		2"	4#1/0 & 1#6G		2"	150
		$ \rightarrow $	3#2,	, 1#2N		,	50		(12) (13)	3#3/0 & 1#6G		2"	4#2/0 & 1#6G		2"	175
		$\overline{+}$	3#1	, 1#1N			75		(14) (15)	3#4/0 & 1#4G		2"	4#3/0 & 1#6G		2"	200
/0		$\downarrow$	2#4	/0_4#4/0N		2	200		(16) (17)	3#250 KCMIL & 1#4G	2	1/2"	4#4/0 & 1#4G		2 1/2"	225
/0		$\pm$	- 3# 1/	0, 1#1/0N		2	225		(18) (19)	3#350 KCMIL & 1#4G		3"	4#250 KCMIL & 1#4	G	3"	300
/0		+	3#1/	'0, 1#1/0N			250		20) (21)	3#500 KCMIL & 1#3G	3	1/2"	4#350 KCMIL & 1#4	G	3"	350
/0		7	3#2/	′0, 1#2/0N			.50		22> 23>	3#600 KCMIL & 1#3G	3	1/2"	4#500 KCMIL & 1#3	G	4"	400
-		$\downarrow$	3#3/	/0, 1#3/0N			800		24> 25>	6#250 & 2#2G	2-:	2 1/2"	4#600 KCMIL & 1#3	G	4"	500
/0		$\pm$	3#4/	/0, 1#4/0N			50		26> 27>	6#350 KCMIL & 2#1G	2	-3"	8#250 KCMIL & 2#2	G	2-3"	600
50 KCMIL		+	3#2!	50 KCMIL,	1#250KCMI	LN	00		28> 29>	6#500 KCMIL & 2#1/00	G 2-	3 1/2"	8#350 KCMIL & 2#1	G	2-3"	800
		TEE							31) 32)	9#400 KCMIL & 3#2/00	G 3	-3"	12#400 KCMIL & 3#	2/0G	3-3"	1000
E INDICATED A	NDICA BOVE GER C	FOF FOF	R THE	APPLICAE	BLE OVERC	ALL MATC SURRENT FED, OR A	s		33 (34)	9#600 KCMIL & 3#3/00	G 3-	3 1/2"	12#600 KCMIL & 3#	3/0G	3-4"	1200
ED BY CODE. CONDUCTOR C BLE FROM EAC	CABLE	S SI ASE,	HOUL , WITH	D BE RUN I CABLES	IN GROUP	S HAVING TIGHTLY			35 36	12#600 KCMIL & 4#4/0	G 4-	3 1/2"	16#600 KCMIL & 4#	4/0G	<u> </u>	1600
HER AND WITH CTING THE GLA THE METAL EN	CABLE	= EF ONN 3URE	FECT ECTC	IVELY GRO	OUNDED B	Y THE CABL	E		37 (38)	18#600 KCMIL & 6#4/0	G 6-	3 1/2"	24#600 KCMIL & 6#	4/0G	6-4"	2500
CTOR SIZES AR CTOR TERMINA RATINGS.		3 CC	)NNE(	CTED TO V	WIRES SHA	AND LL MATCH		3		4#600 KCMIL & 8#4/0	G	8-4"	32#600 KCMIL & 8#	4/0G	8-4"	- 3000
									FOR WHE 2. CON TABL 3. PRO 4. REFI 5. CON 75°C TERI 6. REFI 7. REFI FEEL	THE APPLICABLE OVE RE INDICATED, OR AS DUIT SIZES IN THIS TA LE C.1. VIDE A 4-WIRE CIRCUI ER TO PANELBOARD S DUCTOR AND CONDUI LINE DIAGRAM. IDUCTOR SIZES ARE BA WHERE AMPACITY IS MINATIONS CONNECTE ER TO SPECIFICATION ER TO DRY TYPE TRAN- DER REQUIREMENTS E	RCURRENT DEV REQUIRED BY C BLE REFLECT TI T UNLESS DEVIC CHEDULES AND IT SIZE REQUIRE ASED ON 60°C W GREATER THAN ED TO WIRES SH S FOR ADDITION ISFORMER SCHI BASED ON TRAN	(ICE. PF CODE. HE REG CE SER MOTO EMENTS /HERE / I 100A. / IALL MA IAL ELE EDULE SFORM	COVIDE LARGER CON UIREMENTS OF NEC VED DOES NOT HAVE R CIRCUIT SCHEDULE FOR OTHER MOTOR AMPACITY IS LESS THALL EQUIPMENT AND TCH THESE RATINGS CTRICAL CONDUCTO PRIMARY (480 VOLT) / ER SIZE.	DUCTORS A INFORMATI E PROVISION E (WHERE A LOADS NO HAN OR EQL CONDUCTO AND REQUIRE AND SECON	ND CONDUIT VE ANNEX "C NS FOR A NE PPLICABLE) I T SHOWN ON IAL TO 100A / R MENTS. IDARY (208/12	", UTRAL. FOR AND 20 VOLT)
						1009 drawin ELE RIS SCH mark 1	6 CONS g title CTRICA ER DIAC IEDULE date 07/23/201	STRU SRAN SS & [ REVIS des 9 ADD	JCTION A DETAILS FIONS Scription ENDUM #1	DOCUMENTS ST DEP/ drawing Cons 811 Middl	CATE ARTMENT prepared by sulting Eng le St., Middletown, CT	OF A OF A ineer	CONN DMINISTRATI ing Services, I	IEC' ve ser nc.	<b>TICU</b> VICES	date 05/24/ scale N.T.S. drawn b vjm

BONDING JUMPER SIZED BASED ON TABLE 250.122 FOR THE CIRCUIT THAT IS LIKELY TO ENERGIZE THE OTHER METAL PIPING

	<u>ہ</u> ہے کہ ک	600 KCMIL CONDUCTORS SH				
		FEEDER SIZES			LEGE	
FEEDER SYMBOL	CONDUCTORS (3 PHASE, 3 WIRE)	CONDUCTORS (3 PHASE, 4 WIRE)	NOMINAL AMPERE RATING	FEEDER SYMBOL	CONDUCTORS (3 PHASE, 3 WIRE) WITH GROUND	RAC SIZE CON
M1>	3#8			(1) (2)	3#4 & 1#10G	
(M2)		3#8,1#8N		$\overline{\langle 3 \rangle}$	3#4 & 1#8G	

		3#0, I#0IN	
(M3)	3#8		70
(M4)		3#8, 1#8N	70
(M5)	3#4		100
(M6)		3#4, 1#4N	100
(M7)	3#4		125
<b>(M8)</b>		3#4, 1#4N	125
(M9)	3#2		150
(M10)		3#2, 1#2N	150
(M11)	3#1		175
(M12)		3#1, 1#1N	175
(M13)	3#1/0		200
(M14)		3#1/0, 1#1/0N	200
(M15)	3#1/0		225
(M16)		3#1/0, 1#1/0N	220
(M17)	3#2/0		250
(M18)		3#2/0, 1#2/0N	200
(M19)	3#3/0		300
(M20)		3#3/0, 1#3/0N	500
(M21)	3#4/0		350
(M22)		3#4/0, 1#4/0N	000
(M23)	3#250 KCMIL		400
(M24)		3#250 KCMIL, 1#250KCMIL N	400

NOTES:

REQUIRED BY COE 2. SINGLE CONDUCT

THESE RATINGS. 4. REFER TO SPECIF

				~~~~				
~~~~	• •• •	DRY	TYPE TRANSFORMER SCHE		~~~~~	~ ~ ~	~~~~	<u> </u>
480 VOLT		208 VOLT (NOTE4)	480 VOLT FEEDER	208	120 VOLT FEEDER	GEC	<b>F</b> )	SSBJ
20A, 3P		ÈRCURREN <sup>-</sup> 30A, 3P	Г 3#12 & 1#12G - 3/4"С	4#10	) - 3/4"C	(NOTE 1#8 - 3/4"C	5)	(NOTE 6) - 3/4"C
30A, 3P		50A, 3P	3#10 & 1#10G - 3/4"C 3#4 & 1#10G - 1"C	4#8	- 1"C - 1 1/2"C	1#8 - 3/4"C	1#8	- 3/4"C
90A, 3P		150A, 3P	3#3 & 1#8G - 1 1/4"C	4#1	0 - 1 1/2"C	1#6 - 3/4"C	1#6	- 3/4"C
150A, 3P 200A, 3P		250A, 3P 400A, 3P	3#1/0 & 1#6G - 1 1/2"C 3#3/0 & 1#6G - 2"C	4#2	50 KCMIL - 2 1/2"C 00 KCMIL - 3 1/2"C	1#2 - 3/4"C 1#1/0 - 3/4'	C 1#2	- 3/4"C 0 - 3/4"C
300A, 3P		500A, 3P 800A 3P	3#350 KCMIL & 1#4G - 3"C	8#2	50 KCMIL - (2) 2 1/2"C	1#1/0 - 3/4'	'C 1#1/	0 - 3/4"C
600A, 3P		000A, 3P	6#350 KCMIL & 2#1G - (2) 3"(	C 12#4	400 KCMIL - (3) 3"C	1#3/0 - 3/4	- 1#1/ 'C 1#3/	0 - 3/4"C
1000A, 3P 1000A, 3P	1	800A, 3P 2000A, 3P	9#400 KCMIL & 3#2/OG - (3) 3 9#600 KCMIL & 3#3/OG - (3) 3	3"C 16#6 3-1/2"C 24#6	600 KCMIL - (4) 4"C 600 KCMIL - (6) 4"C	1#300 KCM 1#300 KCM	1IL- 1"C 1#30 1IL- 1"C 1#30	00 KCMIL - 1"C
NCOPPER C ROTECTION S LLY MOUNTE DUCTOR TO E PPLY SIDE DI L BE PROVID L BE PROVID		FEEDER SYMBOL	2. TABLE 310-16. WITH IN (10) FEET OF THE TRAN R, OR A FUSIBLE DISCONNECT S IND BAR IN TRANSFORMER TO T BE INSTALLED BETWEEN THE T NS (PANELBOARD, ENCLOSED OF TERS AS REQUIRED TO COORD CONDUCTORS (3 PHASE, 3 WIRE) WITH GROUND 3#4 & 1#10G 3#4 & 1#8G 3#1 & 1#8G 3#1 & 1#8G	NSFORMER S SWITCH. THE GROUNE TRANSFORME CIRCUIT BRE DINATE WITH DINATE WITH DINATE WITH COPPER OF RACEWAY SIZE CONDUIT 1" 1 1/2"	ECONDARY TERMINA ING ELECTRODE FOR AKER OR FUSIBLE DI BREAKER LUG SIZES CONDUCTORS CONDUCTORS (3 P 4 WIRE) WITH GROU 4#4 & 1#10G 4#4 & 1#8G 4#1 & 1#8G	ALS EITHER R THE SEPA D CASE AND SCONNECT J ZES HASE, UND	IN A PANELB RATELY DER BETWEEN T SWITCH) ANI MICH) ANI RACEWAY SIZE CONDUIT	OARD IVED HE D NOMINAL AMPERE RATING 60 70 100
			2#1/0 & 1#6C	1 1/2"	4#1 & 1#6G		2"	125
125		<u>ب</u> (10) (11)	3#2/0 & 1#6G	2"	4#1/0 & 1#6G		2"	150
150	ŀ		3#3/0 & 1#60	2 	4#2/0 & 1#6G		2"	175
175	ŀ		3#4/0 & 1#40	2 0"	4#3/0 & 1#6G		2"	200
200		(16) (17)	3#250 KCMIL & 1#4G	2 1/2"	4#4/0 & 1#4G		2 1/2"	225
		(18) (19)	3#350 KCMIL & 1#4G	3"	4#250 KCMIL & 1#4	G	3"	250
22J		20) (21)	3#500 KCMIL & 1#3G	3 1/2"	4#350 KCMIL & 1#4	G	3"	300
250		22> 23>	3#600 KCMIL & 1#3G	3 1/2"	4#500 KCMIL & 1#3	G	4"	350
300		24) (25)	6#250 & 2#2G	2-2 1/2"	4#600 KCMIL & 1#3	G	4"	500
350		26> (27)	6#350 KCMIL & 2#1G	2-3"	8#250 KCMIL & 2#2	G	2-3"	600
400		28> 29>	6#500 KCMIL & 2#1/0G	2-3 1/2"	8#350 KCMIL & 2#1	G	2-3"	800
		30> 31>	9#400 KCMIL & 3#2/0G	3-3"	8#500 KCMIL & 2#1	/0G	2-4"	1000
ATCH ENT DR AS		32> 33>	9#600 KCMIL & 3#3/0G	3-3 1/2"	12#400 KCMIL & 3#	2/0G	3-3"	1200
ING TLY		(34)           (35)	12#600 KCMIL & 4#4/0G	4-3 1/2"	12#600 KCMIL & 3#	3/0G	3-4"	1600
ABLE		(36) (37) (7.9)	18#600 KCMIL & 6#4/0G	6-3 1/2"	24#600 KCMIL & 4#	4/06	4-4" 6_4"	2500
тсн	<b>ک</b>		4#600 KCMIL & 8#4/0G	8-4"	32#600 KCMII & &#</td><td>4/0G</td><td>8-4"</td><td>3000</td></tr><tr><th></th><th></th><th><ul> <li>NOTE FOR WHE</li> <li>2. CONITABL</li> <li>3. PROV</li> <li>4. REFE CONIONE</li> <li>5. CONITABL</li> <li>6. REFE</li> <li>7. REFE</li> <li>FEEL</li> </ul></th><th>ES: ESS OTHERWISE INDICATED, CO THE APPLICABLE OVERCURREN RE INDICATED, OR AS REQUIRED DUIT SIZES IN THIS TABLE REFLI- EC.1. /IDE A 4-WIRE CIRCUIT UNLESS ER TO PANELBOARD SCHEDULES DUCTOR AND CONDUIT SIZE REFLINE DUCTOR SIZES ARE BASED ON C WHERE AMPACITY IS GREATER /INATIONS CONNECTED TO WIR ER TO SPECIFICATIONS FOR ADD ER TO DRY TYPE TRANSFORMER DER REQUIREMENTS BASED ON</th><th>NDUCTOR SI IT DEVICE. PF D BY CODE. ECT THE REG DEVICE SER S AND MOTOI QUIREMENTS 50°C WHERE A THAN 100A. A ES SHALL MA DITIONAL ELE R SCHEDULE TRANSFORM</th><th>ZING SHALL MATCH T COVIDE LARGER CON UIREMENTS OF NEC VED DOES NOT HAVE R CIRCUIT SCHEDULE FOR OTHER MOTOR AMPACITY IS LESS THALL EQUIPMENT AND TCH THESE RATINGS CTRICAL CONDUCTO PRIMARY (480 VOLT) / ER SIZE.</th><th>THE SIZE IND DUCTORS A INFORMATIN E PROVISION E (WHERE AI LOADS NOT HAN OR EQU CONDUCTO 3. DR REQUIRE AND SECON</th><th>MCATED ABOY ND CONDUIT VE ANNEX "C" IS FOR A NEL PPLICABLE) F I SHOWN ON AL TO 100A A R MENTS. DARY (208/12</th><th>VE , JTRAL. OR ND 0 VOLT)</th></tr><tr><td>00% CON awing title ELECTRIC RISER DIA</td><td>ISTRU AL</td><td>ICTION I</td><td></td><td>E OF</td><td>CONN</td><td></td><td></td><td>JT</td></tr><tr><td>SCHEDUL</td><td>ES & D</td><td></td><td>drawing prepared b</td><td>by</td><td></td><td></td><td></td><td>date</td></tr><tr><td>nark date 1 07/23/20</td><td>des</td><td>cription ENDUM #1</td><td>811 Middle St., Middleto</td><td>Engineer</td><td>ing Services, I</td><td>nc.</td><td></td><td>05/24/2019 scale N.T.S</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>drawn by vjm</td></tr><tr><td></td><td></td><td></td><td>project</td><td></td><td></td><td></td><td></td><td>арргоved by кsм</td></tr><tr><td></td><td></td><td></td><td>PLATT TECH 600 Orange Avenue</td><td>HNICAL I Milford, CT 06461</td><td>HIGH SCHOOL</td><td>-</td><td></td><td>drawing no.</td></tr><tr><td></td><td></td><td></td><td>CAD no.</td><td>DCS BI-F</td><td>project no. ат-878 см-я</td><td>OSCGR p 900-0013</td><td>project no.</td><td>E7-1-</td></tr></tbody></table>			

			Branch Panel: EPDP-2		Branch Panel: EL3-2	2	
Location: VOCATIONAL Supply From: T-LDSB-1 Mounting: Surface Enclosure: Type 1	Volts: 120/208 Wye Phases: 3 Wires: 4	A.I.C. Rating: 22 KAIC Bus Material: CU Bus Rating: 2000 A MCB Rating / MLO: 2000 A MCB	Location: ELEC CLOSET E246 Supply From: ATS-3 Mounting: Surface Enclosure: Type 1	Volts:480/277 WyeA.I.C. FPhases:3Bus MaWires:4Bus FMCB Rating	ating: 18 KAICLocation: ELEC CLOterial: CUSupply From: ELDP-2ating: 225 AMounting: SurfaceMLO: 200 A MCBEnclosure: Type 1	SET E246 Volts: 480/277 Wye Phases: 3 Wires: 4	A.I.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS
CKT Circuit Description Trip Poles	А В С	Poles Trip Circuit Description	CKT CKT Circuit Description Trip Poles	A B C Poles Trip	Circuit Description CKT CKT Circuit Description	A B C Trip Poles Pole	es Trip Circuit Descriptio
1         PANEL SP-1         225 A         3         23.2           3	3     19.46	3         225 A         PANEL SP-2	2         1         PANEL EP1-1 VIA T-EP1-1         90 A         3           4         3	13.45         3.18         3.14         3         60 A         PANEI           12.79         3.14	EP3-2 VIA T-EP3-2         2         1         E. LTG - MEZZ M101           4         3         E. LTG - MEZZ M104	20 A         1         0.17         0.29         1         1         1           20 A         1         0.17         0.29         0.23         1         1	20 A         E. LTG - MEZZ M108           20 A         E. LTG - MEZZ M107
5 </td <td>21.48 19.38 3 34.15 20.70</td> <td>            3         400 A         PANEL SP-5</td> <td>6         5              8         7         SPD         40 A         3</td> <td>0.00         3.36         11.83         4.17              0.00         3.36         0.00         0.00         3         60 A         PANEI</td> <td>6         5         E. LTG - MEZZ M106           EP2-2 VIA T-EP2-2         8         7         LIGHTING</td> <td>20 A         1         0.29         0.29         1           20 A         1         0.26         0.25         1         1</td> <td>20 A     E. LTG - MEZZ M105       20 A     ART WING EM LIGHTING</td>	21.48 19.38 3 34.15 20.70	3         400 A         PANEL SP-5	6         5              8         7         SPD         40 A         3	0.00         3.36         11.83         4.17              0.00         3.36         0.00         0.00         3         60 A         PANEI	6         5         E. LTG - MEZZ M106           EP2-2 VIA T-EP2-2         8         7         LIGHTING	20 A         1         0.29         0.29         1           20 A         1         0.26         0.25         1         1	20 A     E. LTG - MEZZ M105       20 A     ART WING EM LIGHTING
9              11               13         PANEL SP-6         400 A         3         20.0	94.35         30.79           94.35         30.79           95.91         32.59           3         11.04	  3 225 A PANEL SP-7	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3.87 0.00 3.28 3.87 0.00 4.72	10 9 ELEVATOR LIGHT, TOP OF SHAFT 12 11 14 13	20 A 1 0.04	
15          17	20.57         11.13           20.00         20.03           20.00         9.89		16     15         18     17	3.87	16         15           18         17		
19       21			20         19         1           22         21         1           24         22         RE1		20         19           22         21         SPARE	20 A         1         0.00         0.00         1           20 A         1         0.00         0.00         1	20 A SPARE
23         100 A         3         0.0           27	0.00 0.00 0.00	3 225 A SPARE	24     23     11       26     25       28     27		24         23         SPARE           26         25         SPARE           28         27         SPARE	20 A         1         0.00         0.00         0.00         1           20 A         1         0.00         0.00          1         1           20 A         1         0.00         0.00          1         1	20 A SPARE 20 A SPARE 20 A SPARE
29            Plase Load:         202	Image: Weight of the state of the		30         29           31		30         29         SPARE           32         32         32         33	20 A         1         0.00         0.00         1           Plase Load:         0.97 kVA         0.56 kVA         0.58 kVA         0.58 kVA	20 A SPARE
Notes:         Phase         1           1. SINGLE SWITCHBOARD SECTION MAIN AND DISTRIBUTION -         -         -           2. 100% RATED MAIN         -         -         -	689 A   1647.9 A   1662.6 A 48"W MAXIMUM.		33 35 37 SPARE 40.A 3	0.00 0.00 3 60 A SPARI	34     Notes:       36     1. FUSIBLE PANELBOARD.       38     2. MOLDED CASE SWITCH (MCS) MAIN DISC	Phase         3.5 A         2 A         2.1 A           CONNECT.	
			39             41	0.00         0.00              0.00         0.00         0.00	40     3. PROVIDE WITH INTEGRAL SPD DEVICE.       42     42		
Branch Panel: ELDP-1			Plase Load:	23.86 kVA 23.08 kVA 24.58 kVA	Branch Panel: EL5-1		
Location: EMERGENCY ELECTRIC Supply From: ATS-2 Mounting: Surface	Volts: 480/277 Wye Phases: 3 Wires: 4	A.I.C. Rating: 200 KAIC Bus Material: CU Bus Rating: 225 A			Description       Location: EMERGEN         Supply From: ELDP-1       Mounting: Surface	CY ELECTRIC Volts: 480/277 Wye Phases: 3 Wires: 4	A.I.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A
Enclosure: Type 1		MCB Rating / MLO: 200 A FS	Branch Banal: EDU5 1		Enclosure: Type 1		MCB Rating / MLO: 40 A MCS
CKT Circuit Description Trip Poles	A B C	Poles Trip Circuit Description	CKT Location: BOILER B163	Volts: 480/277 Wye A.I.C. F	ating: 10 KAIC	A     B     C       Trip     Poles     Pole	es Trip Circuit Descriptio
1     PANEL EL7-2     40 A     3     1.2       3           5	3     2.24     3     3       1.96     3.03     0.79     1.78	3         40 A         PANEL EL6-1	2     Supply From: EPDP-1       4     Mounting: Surface       6     Enclosure: Type 1	Phases: 3 Bus Ma Wires: 4 Bus F MCB Rating	ating: 225 A       3       FITNESS CENTER A101 EM LIGHTING         MLO: 225 A MCB       5	3       20 A       1       0.09       0.73       1       1       1         3       20 A       1       0.53       0.19       1       1         4       0.04       1       0.04       1       1	20 A KITCHEN AREA EM LIGHTIN 20 A STAIR 4 S4 EMERGENCY LI 20 A ELEVATOR PIT LIGHT
7         PANEL EL5-1         40 A         3         0.8           9	2 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.00 0.71 0.71	3 40 A SPD 	8         10	A B C	7         9		
11         13	0.04 0.00	 	12         CKT         Circuit Description         Trip         Poles           14         1         T-EP5-1         100 A         3	Poles         Trip           15.12         2.10         3         15 A         BHWP	Circuit Description         CKT         11           1         2         13           1         15         15		
13     13       17     19			10         3              18         5               20         7         BHWP-2         15 A         3	15.02         2.10                  2.10         2.10               2.10         2.10         2.10             2.10         2.10         2.10         2.10             2.10         2.10         2.10         2.10         3         15 A         BHWP	4     13       6     17       3     8		
21 23			22         9              24         11	2.10     2.10          2.10     2.10     2.10     2.10	10         21         SPARE           12         23         SPARE	20 A         1         0.00         0.00         1           20 A         1          0.00         0.00         1           20 A         1           0.00         0.00         1	20 A SPARE 20 A SPARE
25         27           29         29			26         13         B-1         15 A         3           28         15               30         17	2.10         2.10         3         15 A         B-2           2.10         2.10         2.10              2.10         2.10         2.10	14         25         SPARE           16         27         SPARE           18         29         SPARE	20 A         1         0.00         0.00         0.00         1           20 A         1         0.00         0.00         0.00         1           20 A         1         0.00         0.00         0.00         1	20 A SPARE 20 A SPARE 20 A SPARE
31         33			32         19         B-3         15 A         3           34         21	2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.10	20 22 22 22 22	Plase Load:         0.82 kVA         0.71 kVA         0.04 kVA           Phase         3.3 A         2.9 A         0.1 A	
35         40 A         3         0.0           30         30         30         30         30	0.00	3 40 A SPARE	36         23              38         25	2.10	24       1. FUSIBLE PANELBOARD.         26       2. MOLDED CASE SWITCH (MCS) MAIN DISC         3. PROVIDE WITH INTEGRAL SPD DEVICE	CONNECT.	
39              41              Plase Load:         4.	0.00 0.00 0.00 0.00 0.00 29 kVA 5.68 kVA 2.59 kVA		40         27           42         29           31         SPARE           20 A         3	0.00 0.00 3 20 A SPAR	30 32 32	•	
Notes:     Phase       1. FUSIBLE PANELBOARD	6.4 A 21.4 A 9.3 A		33              35	0.00         0.00              0.00         0.00         0.00	34     Branch Panel: EL6-1       36     Location: ELEC D120	<b>Volts:</b> 480/277 Wye	A.I.C. Rating: 50 KAIC
			37         SPARE         15 A         3           39	0.00 0.00 - 3 15 A SPARE	38     Supply From: ELDP-1       40     Mounting: Surface	Phases: 3 Wires: 4	Bus Material: CU Bus Rating: 100 A
Branch Panel: ELDP-2			41 Plase Load: Notes: Phase	22.34 kVA         22.25 kVA         20.59 kVA           81.6 A         81.2 A         74.3 A	42 Enclosure: Type 1	A B C	
Location: ELEC CLOSET E246 Supply From: ATS-4	Volts: 480/277 Wye Phases: 3	A.I.C. Rating: 50 KAIC Bus Material: CU			CKT         Circuit Description           1         1ST FL INTERIOR EM LIGHTING	Trip         Poles         Pole           20 A         1         0.93         0.45         1	Trip         Circuit Descriptio           20 A         1ST FL INTERIOR EM LIGHT
Mounting: Surface Enclosure: Type 1	Wires: 4	Bus Rating: 250 A MCB Rating / MLO: 100 A FS			3 E. LTG 5 MECHATRONICS EM LIGHTING 7 E. LTG	20 A       1       0.55       1.80       1         20 A       1       0.80       0.35       0.68         20 A       1       0.18       0.68       1	20 A E. LTG 20 A E. LTG 20 A STAIR 1 2 AND 3 EMERGEN
CKT Circuit Description Trip Poles	A B C	Poles Trip Circuit Description	CKT Branch Panel: EL1-1	Volts: 480/277 Wye A.I.C. F	ating: 50 KAIC	20 A         1         0.10         0.00         0         0         1         1           20 A         1         0.42         0.26         1         1           T         20 A         1         0.42         0.26         1         1	20 A VESTIBULE EM LIGHTING 20 A BUILDING MOUNTED EM LIC
1         PANEL EL1-1         40 A         3         3.3           3	4         0.97	3         40 A         PANEL EL3-2	2 Supply From: ELDP-2	Bhasasi 2 Bus M	terial: CU 13		
5 </td <td>0.65 0.58</td> <td></td> <td>4 Mounting: Surface</td> <td>Wires: 4 Bus F</td> <td>ating: 100 A</td> <td></td> <td></td>	0.65 0.58		4 Mounting: Surface	Wires: 4 Bus F	ating: 100 A		
	0.00 0.76 0.00 0.00 0.00 0.00 0.00 0.00	3         40 A	4     Mounting: Surface       6     Enclosure: Type 1       8     10	Wires: 4 Bus M MCB Rating	ating:         100 A         13           MLO:         40 A MCS         17           19         21         SPARE	20 A 1 0.00 0.00 1	20 A SPARE
11          13	0     1.13     0.00     0.76       0     0.00     0.76     0.00       0     0.00     0.00     0.00	3         40 A         PANEL EL2-2	4         Mounting: Surface           6         Enclosure: Type 1           8         10           12         CKT           14         1           14         1	A     B     C     Poles     Trip       0.93     1.39     1     20 A     E. LTG	ating: 100 A     13       MLO: 40 A MCS     17       Circuit Description     19       - CARPENTRY AND AUTO     2	Image: Normal system         Image: No	20 A     SPARE       20 A     SPARE       20 A     SPARE       20 A     SPARE
11          13          15          17	0     1.13     0.00     0.05     0.05       0     0.00     0.76     0.00     0.00       1     0     0     0     0       1     0     0     0     0       1     0     0     0     0       1     0     0     0     0       1     0     0     0     0       1     0     0     0     0       1     0     0     0     0	3         40 A         PANEL EL2-2 <td>4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         5       E. LTG         20       7</td> <td>Hases.     3     Bus Mark       Wires:     4     Bus F       MCB Rating       A     B     C     Poles       0.93     1.39     1     20 A     E. LTG       0.93     0.81     0.75     1     20 A     E. LTG       0.68     0.35     0.41     0.15     1     20 A     E. LTG</td> <td>ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       19         - CARPENTRY AND AUTO       2         4       25       SPARE         27       SPARE         29       SPARE</td> <td>Image: Constraint of the state of the s</td> <td>20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE</td>	4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         5       E. LTG         20       7	Hases.     3     Bus Mark       Wires:     4     Bus F       MCB Rating       A     B     C     Poles       0.93     1.39     1     20 A     E. LTG       0.93     0.81     0.75     1     20 A     E. LTG       0.68     0.35     0.41     0.15     1     20 A     E. LTG	ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       19         - CARPENTRY AND AUTO       2         4       25       SPARE         27       SPARE         29       SPARE	Image: Constraint of the state of the s	20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE
11         13         15         17         19         21         23	0       1.13       0.00       0.05       0.05         0       1.13       0.00       0.76       0.00         1       0.00       0.76       0.00       0.00         1       1       1       0.00       0.76       1         1       1       1       1       1       1         1       1       1       1       1       1         1       1       1       1       1       1         1       1       1       1       1       1         1       1       1       1       1       1         1       1       1       1       1       1         1       1       1       1       1       1         1       1       1       1       1       1         1       1       1       1       1       1       1         1       1       1       1       1       1       1         1       1       1       1       1       1       1         1       1       1       1       1       1       1         1       1 </td <td>            3         40 A         PANEL EL2-2                                                                                                                                          <t< td=""><td>4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         5       E. LTG         20       7         7       E. LTG - THEORY AND RESTROOM         20       9         9       E. LTG         24       11         E. LTG       20 A</td><td>Wires: 4     Bus F       Wires: 4     Bus F       MCB Rating       0.93     1.39       0.81     0.75     1     20 A       0.68     0.35     0.41     0.15     1     20 A       0.68     0.35     4     5     1     20 A       0.68     0.35     5     1     20 A     E. LTG       0.68     0.35     6     1     20 A     E. LTG</td><td>ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       19         - CARPENTRY AND AUTO       2         4       23       SPARE         25       SPARE         27       SPARE         29       SPARE         29       SPARE         11       11         11       11         11       11         11       11         11       11         12       11</td><td>Image: Normal system       Image: Normal system       <t< td=""><td>20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE</td></t<></td></t<></td>	3         40 A         PANEL EL2-2 <t< td=""><td>4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         5       E. LTG         20       7         7       E. LTG - THEORY AND RESTROOM         20       9         9       E. LTG         24       11         E. LTG       20 A</td><td>Wires: 4     Bus F       Wires: 4     Bus F       MCB Rating       0.93     1.39       0.81     0.75     1     20 A       0.68     0.35     0.41     0.15     1     20 A       0.68     0.35     4     5     1     20 A       0.68     0.35     5     1     20 A     E. LTG       0.68     0.35     6     1     20 A     E. LTG</td><td>ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       19         - CARPENTRY AND AUTO       2         4       23       SPARE         25       SPARE         27       SPARE         29       SPARE         29       SPARE         11       11         11       11         11       11         11       11         11       11         12       11</td><td>Image: Normal system       Image: Normal system       <t< td=""><td>20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE</td></t<></td></t<>	4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         5       E. LTG         20       7         7       E. LTG - THEORY AND RESTROOM         20       9         9       E. LTG         24       11         E. LTG       20 A	Wires: 4     Bus F       Wires: 4     Bus F       MCB Rating       0.93     1.39       0.81     0.75     1     20 A       0.68     0.35     0.41     0.15     1     20 A       0.68     0.35     4     5     1     20 A       0.68     0.35     5     1     20 A     E. LTG       0.68     0.35     6     1     20 A     E. LTG	ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       19         - CARPENTRY AND AUTO       2         4       23       SPARE         25       SPARE         27       SPARE         29       SPARE         29       SPARE         11       11         11       11         11       11         11       11         11       11         12       11	Image: Normal system       Image: Normal system <t< td=""><td>20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE</td></t<>	20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE
11            13            15            17            19            21            23            25            27	0       1.13       0.00       0.05       0.05         0       1.13       0.00       0.76       0.00         0       0.00       0.76       0.00       0.00         0       0.00       0.76       0.00       0.00         0       0.00       0.76       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00 </td <td>          3       40 A       PANEL EL2-2                                                                                                                                               </td> <td>4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         5       E. LTG         20       7         7       E. LTG - THEORY AND RESTROOM         20       7         9       E. LTG - MEZZ M103         24       11         11       E. LTG         28       15</td> <td>Wires: 4       Bus F         MCB Rating         A       B       C       Poles       Trip         0.93       1.39       -       -       1       20 A       E. LTG         0.93       1.39       -       -       0.41       0.15       1       20 A       E. LTG         0.68       0.35       -       -       0.41       0.15       1       20 A       E. LTG         0.68       0.35       -       -       -       1       20 A       E. LTG         0.68       0.35       -       -       0.41       0.15       1       20 A       E. LTG         0.68       0.35       -       -       0.11       20 A       E. LTG         0.68       0.35       -       -       1       20 A       E. LTG         0.68       0.35       -       -       -       1       20 A       STAIR         -       -       -       -       -       -       -       -       -         -       -       -       -       -       -       -       -       -         -       -       -       -       -</td> <td>ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       19         - CARPENTRY AND AUTO       2         4       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       16</td> <td>Image: state in the state</td> <td>20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE</td>	3       40 A       PANEL EL2-2	4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         5       E. LTG         20       7         7       E. LTG - THEORY AND RESTROOM         20       7         9       E. LTG - MEZZ M103         24       11         11       E. LTG         28       15	Wires: 4       Bus F         MCB Rating         A       B       C       Poles       Trip         0.93       1.39       -       -       1       20 A       E. LTG         0.93       1.39       -       -       0.41       0.15       1       20 A       E. LTG         0.68       0.35       -       -       0.41       0.15       1       20 A       E. LTG         0.68       0.35       -       -       -       1       20 A       E. LTG         0.68       0.35       -       -       0.41       0.15       1       20 A       E. LTG         0.68       0.35       -       -       0.11       20 A       E. LTG         0.68       0.35       -       -       1       20 A       E. LTG         0.68       0.35       -       -       -       1       20 A       STAIR         -       -       -       -       -       -       -       -       -         -       -       -       -       -       -       -       -       -         -       -       -       -       -	ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       19         - CARPENTRY AND AUTO       2         4       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       16	Image: state in the state	20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE
11            13            15        -          17        -          19        -       -         21        -       -         23        -       -         25        -       -         27        -       -         29        -       -         31        -       -	0       1.13       0.00       0.05       0.00         0       0.00       0.76       0       0         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00	3       40 A       PANEL EL2-2	4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         5       E. LTG         20       7         7       E. LTG - THEORY AND RESTROOM         20       7         9       E. LTG - MEZZ M103         24       11         11       E. LTG         28       15         30       17         32       19         34       21	Wires: 4       Bus F         MCB Rating         0.93       1.39       C       Poles       Trip         0.93       1.39       0.81       0.75       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       2       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       2       0.41       0.15       1       20 A       E. LTG         0.68       0.35       2       3       3       3       3       3       3       4       4       5       1       20 A       E. LTG         0.68       0.35       3       3       4       3       3       4       4       4       4       4       4       4       4       4       4       4       4       4       4       5       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4	ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       19         - CARPENTRY AND AUTO       2         4       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       18         20       20         21       SPARE         23       SPARE         24       25         25       SPARE         27       SPARE         29       SPARE         11       FUSIBLE PANELBOARD.         2. MOLDED CASE SWITCH (MCS) MAIN DISC         3. PROVIDE WITH INTEGRAL SPD DEVICE.	Image: Constraint of the second system of	20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE20 ASPARE
11             13             13             15             17             19             21             23             23             23             25             27             29             31             33             35             37<	0       1.13       0.00       0.05       0.00         0       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00       0.00	3       40 A       PANEL EL2-2 <td>4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         5       E. LTG         20       7         7       E. LTG - THEORY AND RESTROOM         21       9         22       9         9       E. LTG - MEZZ M103         24       11         11       E. LTG         23       17         30       17         32       19         34       21         23       SPARE         20       A         38       25</td> <td>Wires: 4         Bus F           MCB Rating           Image: 13 microscope         Poles         Trip           0.93         1.39         Image: 13 microscope         Poles         Trip           0.93         1.39         Image: 13 microscope         Image: 13 microscope         Image: 13 microscope         Image: 13 microscope           0.93         1.39         Image: 13 microscope         Image: 13 microscop         Image: 13 microscop         &lt;</td> <td>ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       18         20       20         22       24         20       22         24       20         26       Supply From: ELDP-1</td> <td>Image: Second system       Image: Second system       <td< td=""><td>20 A       SPARE         20 A       SPARE         A       SPARE         A       SPARE         Bus Material:       CU</td></td<></td>	4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         5       E. LTG         20       7         7       E. LTG - THEORY AND RESTROOM         21       9         22       9         9       E. LTG - MEZZ M103         24       11         11       E. LTG         23       17         30       17         32       19         34       21         23       SPARE         20       A         38       25	Wires: 4         Bus F           MCB Rating           Image: 13 microscope         Poles         Trip           0.93         1.39         Image: 13 microscope         Poles         Trip           0.93         1.39         Image: 13 microscope         Image: 13 microscope         Image: 13 microscope         Image: 13 microscope           0.93         1.39         Image: 13 microscope         Image: 13 microscop         Image: 13 microscop         <	ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       18         20       20         22       24         20       22         24       20         26       Supply From: ELDP-1	Image: Second system       Image: Second system <td< td=""><td>20 A       SPARE         20 A       SPARE         A       SPARE         A       SPARE         Bus Material:       CU</td></td<>	20 A       SPARE         A       SPARE         A       SPARE         Bus Material:       CU
11            13            15        -       -         17        -       -         19        -       -         21        -       -         23        -       -         25        -       -         27        -       -         29        -       -         31        -       -         35        -       -         37< SPARE	1.13       0.00       0.05       0.05         1.13       0.00       0.76       -         0.00       0.76       0.00       0.00         1.13       1       0.00       0.76       -         1.13       1       0.00       0.00       0.00         1.13       1       0.00       0.00       0.00         1.13       1       1       0.00       0.00         1.13       1       1       1       1         1.13       1       1       1       1       1         1.13       1       1       1       1       1         1.13       1       1       1       1       1       1         1.13       1       1       1       1       1       1       1         1.13       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	3       40 A       PANEL EL2-2                                                                         3       40 A         SPARE	4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         16       3         16       3         17       1         18       20 A         19       20 A         11       E. LTG         11       E. LTG - MEZZ M103         20       7         21       SPARE         20       17         21       SPARE         22       SPARE         20       17         21       SPARE         20       1         23       SPARE         20       1         24       21         25       SPARE         20       1         24       20         25       SPARE         20       1         25       SPARE         20       1         29       SPARE         20       1         29       SPARE         20       1         29       SPARE         20 <td< td=""><td>Wires: 4       Bus R         MCB Rating         0.93       1.39       C       Poles       Trip         0.93       1.39       Image: Second Second</td><td>ating: 100 A       13         MLO: 40 A MCS       17         Image: Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         5 S5 EMERGENCY LIGHTING       10         12       14         16       12         14       16         12       14         16       12         14       16         18       20         18       20         22       24         26       28         30       30</td><td>Image: Second state of the second s</td><td>20 A       SPARE         20 A       SPARE</td></td<>	Wires: 4       Bus R         MCB Rating         0.93       1.39       C       Poles       Trip         0.93       1.39       Image: Second	ating: 100 A       13         MLO: 40 A MCS       17         Image: Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         5 S5 EMERGENCY LIGHTING       10         12       14         16       12         14       16         12       14         16       12         14       16         18       20         18       20         22       24         26       28         30       30	Image: Second state of the second s	20 A       SPARE
11            13            15            17            19            21            23            25            27            29            31            33            35            41             41             Notes:       Phase       2       2         1. FUSIBLE PANELBOARD	0.00 $0.00$ $0.00$ $0.00$ $0.00$ $1.13$ $0.00$ $0.76$ $0.00$ $0.00$ $1.13$ $0.00$ $0.76$ $0.00$ $0.00$ $1.13$ $0.00$ $0.76$ $0.00$ $0.00$ $1.13$ $0.00$ $0.00$ $0.00$ $0.00$ $1.13$ $0.00$ $0.00$ $0.00$ $0.00$ $1.13$ $0.00$ $0.00$ $0.00$ $0.00$ $1.13$ $0.00$ $0.00$ $0.00$ $0.00$ $1.13$ $0.00$ $0.00$ $0.00$ $0.00$ $1.13$ $0.00$ $0.00$ $0.00$ $0.00$ $1.13$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $1.23$ $VA$ $1.23$ $VA$ $0.8$ $13.6$ $4.5$ $A$	3       40 A       PANEL EL2-2                                                                     3       40 A       SPARE	4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT         14       1         15       E. LTG         20       7         7       E. LTG - THEORY AND RESTROOM         20       7         21       9         22       9         9       E. LTG - THEORY AND RESTROOM         20       7         21       1         22       9         9       E. LTG - MEZZ M103         24       11         11       E. LTG         28       15         30       17         32       19         34       21         23       SPARE         20       A         40       27         SPARE       20 A         29       SPARE         20 A       1         42       SPARE         20 A       1         29       SPARE         20 A       1         21       SPARE         20 A       1         29       SPARE	Bus Notes: 3         Bus Notes: 4         Bus Notes: 4         Bus Note: Bus Notes: A         MCB Rating $0.93$ 1.39       C       Poles       Trip         0.93       1.39       0.81       0.75       1       20 A       E. LTG         0.93       0.81       0.75       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.29       0.28       1       20 A       STAIR         0       0.29       0.28       0       1       20 A       STAIR         0       0       0       1       20 A       SPARI         0       0       0       0       1       20 A       SPARI         0.00       0	ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       18         20       22         21       SPARE         23       SPARE         24       29         16       12         18       20         22       22         24       22         25       Supply From: ELDP-1         Mounting: Surface       Enclosure: Type 1         CKT       Circuit Description	Image: Second state of the second s	20 A       SPARE         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS       MCB Rating / MLO: 40 A MCS
11            13            15        -       -         17        -       -         19        -       -         21        -       -         23        -       -         25        -       -         27        -       -         29        -       -         31        -       -         33        -       -         35        -       -         41         -         41         -         1. FUSIBLE PANELBOARD        -       -	0       1.13       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       1       1       0.00       0.00       0.00         1       1       1       1       1       1         1       1       1       1       1       1       1         1       1       1       1       1       1       1       1         1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	3       40 A       PANEL EL2-2                                                                             3       40 A       SPARE	4       Mounting: Surface         6       Enclosure: Type 1         8       CKT       Circuit Description       Trip       Poles         14       1       EM HVAC + PLUMBING LIGHTING       20 A       1         16       3       E. LTG       20 A       1         18       5       E. LTG       20 A       1         20       7       E. LTG - THEORY AND RESTROOM       20 A       1         21       9       E. LTG - MEZZ M103       20 A       1         22       9       E. LTG - MEZZ M103       20 A       1         24       11       E. LTG       20 A       1         26       13	Bus Register of the set of the se	ating: 100 A       MLO: 40 A MCS         MLO: 40 A MCS       17         Circuit Description       17         - CARPENTRY AND AUTO       2         4       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       12         14       16         18       20         21       SPARE         20       SPARE         21       SPARE         22       SPARE         23       SPARE         24       29         25       SPARE         29       SPARE         29       SPARE         20       1. FUSIBLE PANELBOARD.         2. MOLDED CASE SWITCH (MCS) MAIN DISC         3. PROVIDE WITH INTEGRAL SPD DEVICE.         Branch Panel: EL7-2         Location: ELEC D22'         Supply From: ELDP-1         Mounting: Surface         Enclosure: Type 1         CKT       Circuit Description         1       2ND FL INTERIOR EM LIGHTING         3       E. LTG	Image: Second system in the system in th	20 A       SPARE         Bus Material: CU Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS         es       Trip         Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG
11            13            15        -       -         17        -       -         19        -       -         21        -       -         23        -       -         25        -       -         27        -       -         29        -       -         31        -       -         33        -       -         35        -       -         37< SPARE	0       1.13       0.00       0.76       0.00       0.00         1.13       0.00       0.76       0.00       0.00         1.13       0.00       0.76       0.00       0.00         1.13       0.00       0.76       0.00       0.00         1.13       0.00       0.76       0.00       0.00         1.13       0.00       0.76       0.00       0.00         1.13       0.00       0.00       0.00       0.00         1.13       0.00       0.00       0.00       0.00         1.13       0.00       0.00       0.00       0.00         1.13       0.00       0.00       0.00       0.00         1.13       0.00       0.00       0.00       0.00         1.13       0.00       0.00       0.00       0.00         1.13       0.00       0.00       0.00       0.00         1.13       0.00       0.00       0.00       0.00         1.23       V/A       1.23       V/A       1.23         1.13       A       1.3       A       4.5	3       40 A       PANEL EL2-2	4       Mounting: Surface         6       Enclosure: Type 1         8       10         12       CKT       Circuit Description       Trip         14       1       EM HVAC + PLUMBING LIGHTING       20 A       1         16       3       E. LTG       20 A       1         18       5       E. LTG       20 A       1         20       7       E. LTG - THEORY AND RESTROOM       20 A       1         21       9       E. LTG - MEZZ M103       20 A       1         22       9       E. LTG       20 A       1         24       11       E. LTG       20 A       1         24       11       E. LTG       20 A       1         24       11       E. LTG       20 A       1         25       9       E. LTG       20 A       1         30       17	Hiddees. 3       Bus Mathematication of the sector of the secto	ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       6         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         14       16         15       27         29       SPARE         29       SPARE         29       SPARE         29       SPARE         20       12         14       16         18       20         22       24         26       28         30       30         CKT       Circuit Description         1       2ND FL INTERIOR EM LIGHTING         3       E. LTG         5       7         9       9	Image: second secon	20 A       SPARE         Sus Material:       CU         Bus Rating:       100 A         MCB Rating / MLO:       40 A MCS         es       Trip       Circuit Descriptio         20 A       E. LTG
11            13            15        -       -         17        -       -         19        -       -         21        -       -         23        -       -         25        -       -         27        -       -         29        -       -         31        -       -         33        -       -         35         -         37<	Volts:       480/277 Wye         Volts:       480/277 Wye	3       40 A                                                                         3       40 A         SPARE	4         Mounting:         Surface           6         Enclosure:         Type 1           10         12         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           18         5         E. LTG         20 A         1           20         7         E. LTG         20 A         1           21         9         E. LTG         20 A         1           22         9         E. LTG - MEZZ M103         20 A         1           24         11         E. LTG         MEZZ M103         20 A         1           24         11         E. LTG         UA         1         1           25         SPARE         20 A         1         1           36         23         SPARE         20 A         1           38         25         SPARE         20 A         1           40         27         SPARE         20 A         1           42         29         SPARE         20 A         1           1 <td>Maskers         Bussers         Bussers           Wires: 4         Bussers         MCB Rating           A         B         C         Poles         Trip           0.93         1.39         0.81         0.75         1         20.4         E. LTG           0.93         0.81         0.75         1         20.4         E. LTG           0.68         0.35         0         1         20.4         E. LTG           0.68         0.35         0.29         0.28         1         20.4         E. LTG           0.41         0.11         0         1         20.4         STAIR           0.41         0.49         0.41         1         20.4         STAIR           0.41         0.40         0.41         1         20.4         SPARI           0.00         0.00         0.00         1         20.4         SPARI           12.9 A         8.5 A</td> <td>ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       17         - CARPENTRY AND AUTO       2         4       23         6       27         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       12         14       16         12       14         16       12         14       16         15       20         14       16         18       200         22       24         26       22         24       26         28       300         CKT       Circuit Description         1       2ND FL INTERIOR EM LIGHTING         1       2ND FL INTERIOR EM LIGHTING         3       E. LTG         5       7         9       11         13       11</td> <td>Image: Second secon</td> <td>20 A       SPARE         20 A       SPARE         Sus Material:       CU         Bus Rating:       100 A         MCB Rating / MLO:       40 A MCS         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG - LEARNING COMM.</td>	Maskers         Bussers         Bussers           Wires: 4         Bussers         MCB Rating           A         B         C         Poles         Trip           0.93         1.39         0.81         0.75         1         20.4         E. LTG           0.93         0.81         0.75         1         20.4         E. LTG           0.68         0.35         0         1         20.4         E. LTG           0.68         0.35         0.29         0.28         1         20.4         E. LTG           0.41         0.11         0         1         20.4         STAIR           0.41         0.49         0.41         1         20.4         STAIR           0.41         0.40         0.41         1         20.4         SPARI           0.00         0.00         0.00         1         20.4         SPARI           12.9 A         8.5 A	ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       17         - CARPENTRY AND AUTO       2         4       23         6       27         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       12         14       16         12       14         16       12         14       16         15       20         14       16         18       200         22       24         26       22         24       26         28       300         CKT       Circuit Description         1       2ND FL INTERIOR EM LIGHTING         1       2ND FL INTERIOR EM LIGHTING         3       E. LTG         5       7         9       11         13       11	Image: Second secon	20 A       SPARE         Sus Material:       CU         Bus Rating:       100 A         MCB Rating / MLO:       40 A MCS         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG - LEARNING COMM.
11            13            15        -       -         17        -       -         19        -       -         21        -       -         23        -       -         25        -       -         27        -       -         29        -       -         31        -       -         33         -         33            34            35            37       SPARE       40 A       3       0.0         39             41             1. FUSIBLE PANELBOARD         2         1. FUSIBLE PANELBOARD            Location: EMERGENCY ELECTRIC       Supply From: ATS-1       Mounting: Surface	0       1.13       0.00       0.76       0.00       0.00         0       0.00       0.76       0.00       0.00         0       0.00       0.76       0.00       0.00         0       0.00       0.76       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         12       kVA       3.43 kVA       1.23 kVA         0.8 A       13.6 A       4.5 A	3       40 A       PANEL EL2-2                                                                                 3       40 A       SPARE	4         Mounting:         Surface           6         Enclosure:         Type 1           10         12         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           16         3         E. LTG         20 A         1           17         E. LTG - THEORY AND RESTROOM         20 A         1           20         9         E. LTG - MEZZ M103         20 A         1           21         SPARE         20 A         1         1           24         11         E. LTG         20 A         1           25         SPARE         20 A         1           30         17         -         -         -           34         21         SPARE         20 A         1           36         23         SPARE         20 A         1           37         SPARE         20 A         1           40         29         SPARE         20 A         1           29         SPARE         20 A         1	Numbers 3       Dus Numbers 3         Wires: 4       Bus F         MCB Rating         A       B       C       Poles       Trip         0.93       1.39       0.81       0.75       1       20.4       E. LTG         0.81       0.75       0.41       0.15       1       20.4       E. LTG         0.68       0.35       0.29       0.28       1       20.4       E. LTG         0.68       0.35       0.29       0.28       1       20.4       E. LTG         0.64       0.29       0.28       1       20.4       E. LTG         0.61       0.29       0.28       1       20.4       E. LTG         0.4       0.29       0.28       1       20.4       E. LTG         0.4       0.29       0.28       1       20.4       STAIR         0.00       0.00       1.01       1       20.4       SPARI         0.00       0.00       0.00       1       20.4       SPARI         0.00       0.00       0.00       1       20.4       SPARI         12.9 A       8.5 A       2.4 A       E       Bus M	ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         6       23         - MEZZ M102       8         5 35 EMERGENCY LIGHTING       10         14       16         14       16         14       20         14       20         16       18         20       22         16       18         20       22         17       10         18       20         18       20         18       20         19       Location: ELEC D22         Location: ELEC D22         Supply From: ELDP-1         Mounting: Surface         20       5         21       2ND FL INTERIOR EM LIGHTING         3       E.LTG         5       7         9       11         13       13         14       13         15       11         16       15         17       19	Image: second secon	20 A       SPARE         Sus Rating: 50 KAIC       Bus Material: CU         Bus Rating: 100 A       MCB Rating / MLO: 40 A MCS         es       Trip       Circuit Descriptio         20 A       E. LTG
11            13            15        -       -         17        -       -         19        -       -         21        -       -         23        -       -         25        -       -         27        -       -         29        -       -         31        -       -         33        -       -         35         -         37       SPARE       40 A 3       0.0         39         -       -         41          -         Votes:       Phase       2       2         1. FUSIBLE PANELBOARD       -       -       -         Location: EMERGENCY ELECTRIC         Supply From: ATS-1       Mounting: Surface         Enclosure: Type 1       -       -         CKT       Circuit Description       Trip       Poles <td>No.00       0.00       0.00       0.00       0.00         I       0.00       0.76       Image: Constraint of the second of the second</td> <td>          3       40 A       PANEL EL2-2                                                                         3       40 A         SPARE                                                                  </td> <td>4         Mounting:         Surface           6         Enclosure:         Type 1           10         12         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           18         5         E. LTG         20 A         1           20         9         E. LTG         20 A         1           21         7         E. LTG         20 A         1           22         9         E. LTG - THEORY AND RESTROOM         20 A         1           224         11         E. LTG         20 A         1           24         11         E. LTG         20 A         1           24         11         E. LTG         20 A         1           24         13         -         -         -           33         17         -         -         -           34         21         SPARE         20 A         1           23         SPARE         20 A         1           29         SPARE         20 A         1           29         SPARE         20 A         1      <tr< td=""><td>Number 1       Bus F         Wires: 4       Bus F         MCB Rating         0.93       1.39       1       20 A       E. LTG         0.93       1.39       0.81       0.75       1       20 A       E. LTG         0.93       1.39       0.81       0.75       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       STAIR         0.61       0.29       0.28       0.11       20 A       SPARI         0.00       0.00       0.00       1       20 A       SPARI         0.00       0.00       0.00       1       20 A       SPARI         0.00       0.00       0.00       1       20 A<td>ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         6       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       12         14       16         18       20         22       24         22       22         22       24         23       SPARE         20       SPARE         21       SPARE         22       24         22       22         24       26         28       30         29       Supply From: ELDP-1         Mounting: Surface       Enclosure: Type 1         CKT       Circuit Description         1       2ND FL INTERIOR EM LIGHTING         3       E. LTG         5       7         9       11         13       11         14       15         17       19         21       SPARE         23       <t< td=""><td>Image: Constraint of the second sec</td><td>20 A       SPARE         20 A       SPARE         Sex       All.C. Rating: 50 KAIC         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS       MCB         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG - LEARNING COMM.         A       A         A       A         A       A         A       A         B       A         B       A         B       A         B       A         B       A         B       A         B       A</td></t<></td></td></tr<></td>	No.00       0.00       0.00       0.00       0.00         I       0.00       0.76       Image: Constraint of the second	3       40 A       PANEL EL2-2                                                                         3       40 A         SPARE	4         Mounting:         Surface           6         Enclosure:         Type 1           10         12         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           18         5         E. LTG         20 A         1           20         9         E. LTG         20 A         1           21         7         E. LTG         20 A         1           22         9         E. LTG - THEORY AND RESTROOM         20 A         1           224         11         E. LTG         20 A         1           24         11         E. LTG         20 A         1           24         11         E. LTG         20 A         1           24         13         -         -         -           33         17         -         -         -           34         21         SPARE         20 A         1           23         SPARE         20 A         1           29         SPARE         20 A         1           29         SPARE         20 A         1 <tr< td=""><td>Number 1       Bus F         Wires: 4       Bus F         MCB Rating         0.93       1.39       1       20 A       E. LTG         0.93       1.39       0.81       0.75       1       20 A       E. LTG         0.93       1.39       0.81       0.75       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       STAIR         0.61       0.29       0.28       0.11       20 A       SPARI         0.00       0.00       0.00       1       20 A       SPARI         0.00       0.00       0.00       1       20 A       SPARI         0.00       0.00       0.00       1       20 A<td>ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         6       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       12         14       16         18       20         22       24         22       22         22       24         23       SPARE         20       SPARE         21       SPARE         22       24         22       22         24       26         28       30         29       Supply From: ELDP-1         Mounting: Surface       Enclosure: Type 1         CKT       Circuit Description         1       2ND FL INTERIOR EM LIGHTING         3       E. LTG         5       7         9       11         13       11         14       15         17       19         21       SPARE         23       <t< td=""><td>Image: Constraint of the second sec</td><td>20 A       SPARE         20 A       SPARE         Sex       All.C. Rating: 50 KAIC         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS       MCB         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG - LEARNING COMM.         A       A         A       A         A       A         A       A         B       A         B       A         B       A         B       A         B       A         B       A         B       A</td></t<></td></td></tr<>	Number 1       Bus F         Wires: 4       Bus F         MCB Rating         0.93       1.39       1       20 A       E. LTG         0.93       1.39       0.81       0.75       1       20 A       E. LTG         0.93       1.39       0.81       0.75       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       E. LTG         0.68       0.35       0       0.41       0.15       1       20 A       STAIR         0.61       0.29       0.28       0.11       20 A       SPARI         0.00       0.00       0.00       1       20 A       SPARI         0.00       0.00       0.00       1       20 A       SPARI         0.00       0.00       0.00       1       20 A <td>ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         6       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       12         14       16         18       20         22       24         22       22         22       24         23       SPARE         20       SPARE         21       SPARE         22       24         22       22         24       26         28       30         29       Supply From: ELDP-1         Mounting: Surface       Enclosure: Type 1         CKT       Circuit Description         1       2ND FL INTERIOR EM LIGHTING         3       E. LTG         5       7         9       11         13       11         14       15         17       19         21       SPARE         23       <t< td=""><td>Image: Constraint of the second sec</td><td>20 A       SPARE         20 A       SPARE         Sex       All.C. Rating: 50 KAIC         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS       MCB         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG - LEARNING COMM.         A       A         A       A         A       A         A       A         B       A         B       A         B       A         B       A         B       A         B       A         B       A</td></t<></td>	ating: 100 A       13         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         6       23         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         12       14         16       12         14       16         18       20         22       24         22       22         22       24         23       SPARE         20       SPARE         21       SPARE         22       24         22       22         24       26         28       30         29       Supply From: ELDP-1         Mounting: Surface       Enclosure: Type 1         CKT       Circuit Description         1       2ND FL INTERIOR EM LIGHTING         3       E. LTG         5       7         9       11         13       11         14       15         17       19         21       SPARE         23 <t< td=""><td>Image: Constraint of the second sec</td><td>20 A       SPARE         20 A       SPARE         Sex       All.C. Rating: 50 KAIC         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS       MCB         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG - LEARNING COMM.         A       A         A       A         A       A         A       A         B       A         B       A         B       A         B       A         B       A         B       A         B       A</td></t<>	Image: Constraint of the second sec	20 A       SPARE         Sex       All.C. Rating: 50 KAIC         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS       MCB         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG - LEARNING COMM.         A       A         A       A         A       A         A       A         B       A         B       A         B       A         B       A         B       A         B       A         B       A
11            13            13            15            17            19            21            23            25            29            31            33            34             35             36             37       SPARE       40 A       3       0.0         39              41              1. FUSIBLE PANELBOARD             2	0       1.13       0       0.03       0.03       0.03         1.13       0.00       0.76       0       0         1       0.00       0.76       0       0         1       0.00       0.76       0       0         1       0.00       0.76       0       0         1       0.00       0.76       0       0         1       0.00       0.00       0.00       0         1       0.00       0.00       0.00       0         1       0.00       0.00       0.00       0         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         12       KVA       3.43 KVA       1.23 KVA         0.8 A       13.6 A       4.5 A	3       40 A       PANEL EL2-2 <td>4         Mounting:         Surface           6         Enclosure:         Type 1           8         10         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           18         5         E. LTG         20 A         1           20         7         E. LTG - THEORY AND RESTROOM         20 A         1           21         9         E. LTG - THEORY AND RESTROOM         20 A         1           22         9         E. LTG - THEORY AND RESTROOM         20 A         1           24         11         E. LTG         20 A         1           25         MOUNTING         20 A         1           36         23         SPARE         20 A         1           38         25         SPARE         20 A         1           40         27         SPARE         20 A         1           29         SPARE         20 A         1           40         29         SPARE         20 A         1           1         FUSIBLE PANEL</td> <td>Husses: 3       Bus F         Wires: 4       Bus F         MCB Rating         <math>MCB Rating         0.93       1.39       0       1       20.A       E. LTG         0.93       0.81       0.75       1       20.A       E. LTG         0.68       0.35       0       0.41       0.15       1       20.A       E. LTG         0.68       0.35       0       0.29       0.28       0       1       20.A       E. LTG         0.68       0.35       0       0       0.41       0.15       1       20.A       E. LTG         0.68       0.35       0       0.29       0.28       0       1       20.A       E. LTG         0.68       0.35       0       0.29       0.28       0       1       20.A       E. LTG         0.61       0.29       0.28       0.11       2       2       2       2         0.10       0.00       0.00       0.00       1       20.A       SPARI         0.00       0.00       0.00       0.00       1       20.A       SPARI         0.00       0.00       0.00       0</math></td> <td>ating: 100 A       113         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         5       SPARE         27       SPARE         29       SPARE         20       Notes:         112       CAL         20       SPROVIDE WITH INTEGRAL SPD DEVICE.         Branch Panel: EL7-22       Location: ELC D22'         Supply From: ELUP -1       Mounting: Surface         20       Supply From: ELC D2'         Supply From: ELC D2'       Supply From: ELC D2'         Supply From: ELC D2'       Surface         21       SPARE         30       E. LTG         5       1</td> <td>Image: second second</td> <td>20 A       SPARE         20 A       SPARE         Sus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS       MCB         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       SPARE         20 A</td>	4         Mounting:         Surface           6         Enclosure:         Type 1           8         10         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           18         5         E. LTG         20 A         1           20         7         E. LTG - THEORY AND RESTROOM         20 A         1           21         9         E. LTG - THEORY AND RESTROOM         20 A         1           22         9         E. LTG - THEORY AND RESTROOM         20 A         1           24         11         E. LTG         20 A         1           25         MOUNTING         20 A         1           36         23         SPARE         20 A         1           38         25         SPARE         20 A         1           40         27         SPARE         20 A         1           29         SPARE         20 A         1           40         29         SPARE         20 A         1           1         FUSIBLE PANEL	Husses: 3       Bus F         Wires: 4       Bus F         MCB Rating $MCB Rating         0.93       1.39       0       1       20.A       E. LTG         0.93       0.81       0.75       1       20.A       E. LTG         0.68       0.35       0       0.41       0.15       1       20.A       E. LTG         0.68       0.35       0       0.29       0.28       0       1       20.A       E. LTG         0.68       0.35       0       0       0.41       0.15       1       20.A       E. LTG         0.68       0.35       0       0.29       0.28       0       1       20.A       E. LTG         0.68       0.35       0       0.29       0.28       0       1       20.A       E. LTG         0.61       0.29       0.28       0.11       2       2       2       2         0.10       0.00       0.00       0.00       1       20.A       SPARI         0.00       0.00       0.00       0.00       1       20.A       SPARI         0.00       0.00       0.00       0$	ating: 100 A       113         MLO: 40 A MCS       17         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         5       SPARE         27       SPARE         29       SPARE         20       Notes:         112       CAL         20       SPROVIDE WITH INTEGRAL SPD DEVICE.         Branch Panel: EL7-22       Location: ELC D22'         Supply From: ELUP -1       Mounting: Surface         20       Supply From: ELC D2'         Supply From: ELC D2'       Supply From: ELC D2'         Supply From: ELC D2'       Surface         21       SPARE         30       E. LTG         5       1	Image: second	20 A       SPARE         Sus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS       MCB         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       SPARE         20 A
11            13            13            15            17            19            21            23            25            27            29            31            33            34            35            37       SPARE       40 A       3       0.0         39              41              1. FUSIBLE PANELBOARD             1. FUSIBLE PANELBOARD             CKT       Circuit	0       1.13       0       0.03       0.03       0.03         0       1.13       0       0       0.00       0.76       0         0       0.00       0.76       0.00       0.00       0.00         0       0.00       0.76       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         12       13.6       1.23       VA         0       0.00       0.00       0.00       0.00         12       Volts:       480/277       Wye       Phases:       3         Volts:       480/277       Wye       Vye       Vye       Vye         Volts:       480/277       Wye       Vye       Vye       Vye         Volts:       480/277	3       40 A       PANEL EL2-2 <td>4         Mounting: Surface           6         Enclosure: Type 1           10         12           14         1           14         1           15         E. LTG           20         7           7         E. LTG           9         E. LTG           11         E. LTG           122         9           9         E. LTG           11         E. LTG           124         11           11         E. LTG           124         11           125         E. LTG - THEORY AND RESTROOM           20         1           11         E. LTG           20         1           11         E. LTG           20         1           11         E. LTG           21         SPARE           20         1           23         SPARE           20 A         1           23         SPARE           20 A         1           24         29           25         SPARE           20 A         1           1. FUSIBLE PANELBOARD.     &lt;</td> <td>Husses: 3       Bus F         Wires: 4       Bus F         <math>MCB Rating         <math>A</math> <math>B</math> <math>C</math>       Poles       Trip         0.93       1.39       0.81       0.75       1       20.A       E. LTG         0.93       0.81       0.75       1       20.A       E. LTG         0.68       0.35       0.29       0.28       1       20.A       E. LTG         0.41       0.11       -       1       20.A       STAIR         0.10       0.29       0.28       0.11       20.A       SPARI         0.00       0.00       0.00       1       20.A       SPARI         0.00       0.00       0.00       1       20.A       SPARI         0.00       0.00       0.00       1       20.A       SPARI         0.00       0.00       0.00       1</math></td> <td>ating: 100 A       13         MLO: 40 A MCS       17         Image: Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         - CARPENTRY AND AUTO       2         4       27         5 S5 EMERGENCY LIGHTING       10         12       14         14       12         14       12         15       1. FUSIBLE PANELBOARD.         1. FUSIBLE PANELBOARD.       2. MOLDED CASE SWITCH (MCS) MAIN DISC         1. FUSIBLE PANELBOARD.       2. MOLDED CASE SWITCH (MCS) MAIN DISC         1. FUSIBLE PANELBOARD.       2. MOLDED CASE SWITCH (MCS) MAIN DISC         2. MOLDED CASE SWITCH (MCS) MAIN DISC       3. PROVIDE WITH INTEGRAL SPD DEVICE.         3. PROVIDE WITH INTEGRAL SPD DEVICE.       3. PROVIDE WITH INTEGRAL SPD DEVICE.         22       24       Location: ELEC D22'         23       SPARE       2.         24       26       Supply From: ELDP-1         Mounting: Surface       11       12         24       28       11       13         35       5       5       11         36       11       13       13         310       14       19</td> <td>Image: Image: Image:</td> <td>20 A       SPARE         20 A       SPARE         Bus Rating: 100 A       MCB         MCB Rating / MLO: 40 A MCS       MCB         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       SPARE         20 A       SPARE</td>	4         Mounting: Surface           6         Enclosure: Type 1           10         12           14         1           14         1           15         E. LTG           20         7           7         E. LTG           9         E. LTG           11         E. LTG           122         9           9         E. LTG           11         E. LTG           124         11           11         E. LTG           124         11           125         E. LTG - THEORY AND RESTROOM           20         1           11         E. LTG           20         1           11         E. LTG           20         1           11         E. LTG           21         SPARE           20         1           23         SPARE           20 A         1           23         SPARE           20 A         1           24         29           25         SPARE           20 A         1           1. FUSIBLE PANELBOARD.     <	Husses: 3       Bus F         Wires: 4       Bus F $MCB Rating         A B C       Poles       Trip         0.93       1.39       0.81       0.75       1       20.A       E. LTG         0.93       0.81       0.75       1       20.A       E. LTG         0.68       0.35       0.29       0.28       1       20.A       E. LTG         0.41       0.11       -       1       20.A       STAIR         0.10       0.29       0.28       0.11       20.A       SPARI         0.00       0.00       0.00       1       20.A       SPARI         0.00       0.00       0.00       1       20.A       SPARI         0.00       0.00       0.00       1       20.A       SPARI         0.00       0.00       0.00       1$	ating: 100 A       13         MLO: 40 A MCS       17         Image: Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       23         - CARPENTRY AND AUTO       2         4       27         5 S5 EMERGENCY LIGHTING       10         12       14         14       12         14       12         15       1. FUSIBLE PANELBOARD.         1. FUSIBLE PANELBOARD.       2. MOLDED CASE SWITCH (MCS) MAIN DISC         1. FUSIBLE PANELBOARD.       2. MOLDED CASE SWITCH (MCS) MAIN DISC         1. FUSIBLE PANELBOARD.       2. MOLDED CASE SWITCH (MCS) MAIN DISC         2. MOLDED CASE SWITCH (MCS) MAIN DISC       3. PROVIDE WITH INTEGRAL SPD DEVICE.         3. PROVIDE WITH INTEGRAL SPD DEVICE.       3. PROVIDE WITH INTEGRAL SPD DEVICE.         22       24       Location: ELEC D22'         23       SPARE       2.         24       26       Supply From: ELDP-1         Mounting: Surface       11       12         24       28       11       13         35       5       5       11         36       11       13       13         310       14       19	Image:	20 A       SPARE         Bus Rating: 100 A       MCB         MCB Rating / MLO: 40 A MCS       MCB         es       Trip       Circuit Descriptio         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       E. LTG         20 A       SPARE         20 A       SPARE
11            13            13            15            17            19             21             23             25             29             31             33             41             41             1. FUSIBLE PANELBOARD            1. FUSIBLE PANELBOARD            1. FUSIBLE PANELBOARD            1. EPH5-1       225 A       3       22.3         3             1       EPH5-1	0       1.13       0       0.00       0.76       0         1       0.00       0.76       0       0         1       0       0       0.76       0       0         1       0       0       0.76       0       0         1       0       0       0.00       0.00       0       0         1       0       0       0       0       0       0       0         1       0       0       0       0       0       0       0       0         1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	3       40 A       PANEL EL2-2                                                                                                                                         <	4         Mounting: Surface           6         Enclosure: Type 1           10         CKT         Circuit Description         Trip           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           18         5         E. LTG         20 A         1           20         7         E. LTG - THEORY AND RESTROOM         20 A         1           22         9         E. LTG - MEZZ M103         20 A         1           24         11         E. LTG         MOUNTOR         20 A         1           24         11         E. LTG         20 A         1         1           24         11         E. LTG         20 A         1         1           24         13           1         1           30         17           1         20 A         1           34         21         SPARE         20 A         1         2         1         29 SPARE         20 A         1           23         SPARE         20 A         1         2         1 <t< td=""><td>Bus Findses. 3         Bus Findses. 3           Wires: 4         Bus F           MCB Rating           <math>MCB Rating           0.93         1.39         <math>\sim</math> <math>\sim</math>         1         20.4         E. LTG           0.93         0.35         <math>\sim</math> <math>\sim</math>         1         20.4         E. LTG           0.68         0.35         <math>\sim</math> <math>\sim</math> <math>1</math>         20.4         E. LTG           0.68         0.35         <math>\sim</math> <math>\sim</math> <math>1</math>         20.4         E. LTG           0.68         0.35         <math>\sim</math> <math>\sim</math> <math>1</math>         20.4         E. LTG           <math>1</math> <math>0.29</math> <math>0.28</math> <math>\sim</math> <math>1</math> <math>20.4</math>         E. LTG           <math>1</math> <math>0.29</math> <math>0.28</math> <math>\sim</math> <math>1</math> <math>20.4</math>         E. LTG           <math>1</math> <math>0.29</math> <math>0.28</math> <math>0.11</math> <math>\sim</math> <math>1</math> <math>20.4</math>         STARR           <math>1</math> <math>0.00</math> <math>0.00</math> <math>0.00</math> <math>1</math> <math>20.4</math>         SPARI           <math>0.00</math> <math>0.00</math> <math>0.00</math> <math>0.00</math> <math>1</math> <math>20.4</math> </math></td><td>ating: 100 A       13         MLO: 40 A MCS       10         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       6         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         14       12         15       55 EMERGENCY LIGHTING         16       12         17       19         18       20         19       21         10       12         14       16         18       20         19       2         10       12         14       16         18       20         19       2         22       24         10       22         11       12         24       28         30       30         Enclosure: Type 1       11         11       12         12       11         13       13         31       14         10       15         11       15         13       14         14       16</td><td>Image: state in the state</td><td>20 A       SPARE         20 A       SPARE         Bus Material: CU Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS         es       Trip         Circuit Description         20 A       E. LTG         20 A       SPARE         20 A       SPARE</td></t<>	Bus Findses. 3         Bus Findses. 3           Wires: 4         Bus F           MCB Rating $MCB Rating           0.93         1.39         \sim \sim         1         20.4         E. LTG           0.93         0.35         \sim \sim         1         20.4         E. LTG           0.68         0.35         \sim \sim 1         20.4         E. LTG           0.68         0.35         \sim \sim 1         20.4         E. LTG           0.68         0.35         \sim \sim 1         20.4         E. LTG           1 0.29 0.28 \sim 1 20.4         E. LTG           1 0.29 0.28 \sim 1 20.4         E. LTG           1 0.29 0.28 0.11 \sim 1 20.4         STARR           1 0.00 0.00 0.00 1 20.4         SPARI           0.00 0.00 0.00 0.00 1 20.4 $	ating: 100 A       13         MLO: 40 A MCS       10         Circuit Description       CKT         - CARPENTRY AND AUTO       2         4       6         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         14       12         15       55 EMERGENCY LIGHTING         16       12         17       19         18       20         19       21         10       12         14       16         18       20         19       2         10       12         14       16         18       20         19       2         22       24         10       22         11       12         24       28         30       30         Enclosure: Type 1       11         11       12         12       11         13       13         31       14         10       15         11       15         13       14         14       16	Image: state in the state	20 A       SPARE         Bus Material: CU Bus Rating: 100 A         MCB Rating / MLO: 40 A MCS         es       Trip         Circuit Description         20 A       E. LTG         20 A       SPARE         20 A       SPARE
11            13            13            15            17            19            23            23            25            27            29            31            35            36            37       SPARE       40 A       3       0.0         39             41             1. FUSIBLE PANELBOARD            1. FUSIBLE PANELBOARD            1       EPH5-1       225 A       3       22.3         3	0       1.13       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         12       VA       3.43 kVA       1.23 kVA         0.8 A       13.6 A       4.5 A	3       40 A       PANEL EL2-2	4         Mounting: Surface           6         Enclosure: Type 1           8         10           12         CKT           14         Employee           14         Employee           14         Employee           16         Set LTG           18         E. LTG           19         E. LTG - THEORY AND RESTROOM           20         F. E. LTG - THEORY AND RESTROOM           21         E. LTG - MEZZ M103           24         I. E. LTG           11         E. LTG - MEZZ M103           24         I. E. LTG           11         E. LTG           28         I. TG           30         17           24         I. E. LTG           32         IP           24         SPARE           20 A         1           36         23 SPARE           20 A         1           29         SPARE           20 A         1           42         29 SPARE           20 A         1           29         SPARE           20 A         1           1. FUSIBLE PANELBOARD. <t< td=""><td>Bit is the set of the</td><td>ating: 100 A       13       13         MLO: 40 A MCS       17       19         Circuit Description       CKT       23       SPARE         - CARPENTRY AND AUTO       2       23       SPARE         - MEZZ M102       8       29       SPARE         - MEZZ M102       8       Notes:       1       FUSIBLE PANELBOARD.         14       16       20       SPARE       2         144       16       30       Notes:       1         12       24       Notes:       1       ELEC D22'         12       24       Location: ELEC D22'       Supply From: ELDP-1         26       300       ELCOLOSURE: Type 1       Mounting: Surface         11       21       SPARE       20       Supply From: ELDP-1         28       30       ELCOLOSURE: Type 1       1       1         12       20       FLINTERIOR EM LIGHTING       3       E. LTG         24       26       13       11       1         27       SPARE       2       11       1         28       29       SPARE       2       2         29       SPARE       23       SPARE       2<td>Image: state in the state</td><td>Al.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS Trip Circuit Descriptio 20 A E. LTG 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE</td></td></t<>	Bit is the set of the	ating: 100 A       13       13         MLO: 40 A MCS       17       19         Circuit Description       CKT       23       SPARE         - CARPENTRY AND AUTO       2       23       SPARE         - MEZZ M102       8       29       SPARE         - MEZZ M102       8       Notes:       1       FUSIBLE PANELBOARD.         14       16       20       SPARE       2         144       16       30       Notes:       1         12       24       Notes:       1       ELEC D22'         12       24       Location: ELEC D22'       Supply From: ELDP-1         26       300       ELCOLOSURE: Type 1       Mounting: Surface         11       21       SPARE       20       Supply From: ELDP-1         28       30       ELCOLOSURE: Type 1       1       1         12       20       FLINTERIOR EM LIGHTING       3       E. LTG         24       26       13       11       1         27       SPARE       2       11       1         28       29       SPARE       2       2         29       SPARE       23       SPARE       2 <td>Image: state in the state</td> <td>Al.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS Trip Circuit Descriptio 20 A E. LTG 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE</td>	Image: state in the state	Al.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS Trip Circuit Descriptio 20 A E. LTG 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE
11            13            13            15            17            19            21            23            25            29            31            33            37       SPARE       40 A       3       0.0         39             41             1. FUSIBLE PANELBOARD            1. FUSIBLE PANELBOARD            1. FUSIBLE PANELBOARD            1. EPH5-1       225 A       3       22.3         1       EPH5-1       225 A       3       22.3         1       EPH5-1 </td <td>0       1.13       0       0.00       0.05       0.03         0       1.13       0       0       0.00       0.00         1       0.00       0.76       0       0         1       0.00       0.76       0       0         1       0.00       0.76       0       0         1       0.00       0.76       0       0         1       0.00       0.00       0.00       0         1       0.00       0.00       0       0         1       0.00       0.00       0       0       0         1       0.00       0.00       0.00       0       0         0       0.00       0.00       0.00       0       0         0       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00         1       0.00       1.23       KVA       1.23       KVA         1       0.00<!--</td--><td></td><td>4         Mounting: Surface           6         Enclosure: Type 1           10         CKT         Circuit Description         Trip           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           18         5         E. LTG         20 A         1           20         7         E. LTG - THEORY AND RESTROOM         20 A         1           21         24         11         E. LTG - MEZZ M103         20 A         1           22         9         E. LTG - MEZZ M103         20 A         1         1           24         11         E. LTG         20 A         1         1           28         15        </td><td>Note in the set of the set of</td><td>ating: 100 A       13       13         MLO: 40 A MCS       17       19         Circuit Description       CKT       19         - CARPENTRY AND AUTO       2       3 SPARE         - CARPENTRY AND AUTO       2       3 SPARE         - MEZZ M102       8       29       SPARE         5 S5 EMERGENCY LIGHTING       10       1       15         14       16       20       30       1. FUSIBLE PANELBOARD.         21       24       20 SDARE       20       3. PROVIDE WITH INTEGRAL SPD DEVICE.         21       222       224       20       3. PROVIDE WITH INTEGRAL SPD DEVICE.         221       222       223       Supply From: ELDP.1         222       223       Supply From: ELDP.1       Mounting: Surface         23       30       6       1       2. PROVIDE WITH INTEGRAL SPD DEVICE.         24       26       27       Supply From: ELDP.1       Mounting: Surface         25       7       9       11       1.       1.         26       5       7       9       1.       1.         21       SPARE       23       SPARE       23       SPARE         22       SPARE</td><td>Image: Image: Image:</td><td>Al.C. Rating: 50 KAIC Bus Material: CU Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS 20 A E. LTG 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE</td></td>	0       1.13       0       0.00       0.05       0.03         0       1.13       0       0       0.00       0.00         1       0.00       0.76       0       0         1       0.00       0.76       0       0         1       0.00       0.76       0       0         1       0.00       0.76       0       0         1       0.00       0.00       0.00       0         1       0.00       0.00       0       0         1       0.00       0.00       0       0       0         1       0.00       0.00       0.00       0       0         0       0.00       0.00       0.00       0       0         0       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00         1       0.00       1.23       KVA       1.23       KVA         1       0.00 </td <td></td> <td>4         Mounting: Surface           6         Enclosure: Type 1           10         CKT         Circuit Description         Trip           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           18         5         E. LTG         20 A         1           20         7         E. LTG - THEORY AND RESTROOM         20 A         1           21         24         11         E. LTG - MEZZ M103         20 A         1           22         9         E. LTG - MEZZ M103         20 A         1         1           24         11         E. LTG         20 A         1         1           28         15        </td> <td>Note in the set of the set of</td> <td>ating: 100 A       13       13         MLO: 40 A MCS       17       19         Circuit Description       CKT       19         - CARPENTRY AND AUTO       2       3 SPARE         - CARPENTRY AND AUTO       2       3 SPARE         - MEZZ M102       8       29       SPARE         5 S5 EMERGENCY LIGHTING       10       1       15         14       16       20       30       1. FUSIBLE PANELBOARD.         21       24       20 SDARE       20       3. PROVIDE WITH INTEGRAL SPD DEVICE.         21       222       224       20       3. PROVIDE WITH INTEGRAL SPD DEVICE.         221       222       223       Supply From: ELDP.1         222       223       Supply From: ELDP.1       Mounting: Surface         23       30       6       1       2. PROVIDE WITH INTEGRAL SPD DEVICE.         24       26       27       Supply From: ELDP.1       Mounting: Surface         25       7       9       11       1.       1.         26       5       7       9       1.       1.         21       SPARE       23       SPARE       23       SPARE         22       SPARE</td> <td>Image: Image: Image:</td> <td>Al.C. Rating: 50 KAIC Bus Material: CU Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS 20 A E. LTG 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE</td>		4         Mounting: Surface           6         Enclosure: Type 1           10         CKT         Circuit Description         Trip           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           18         5         E. LTG         20 A         1           20         7         E. LTG - THEORY AND RESTROOM         20 A         1           21         24         11         E. LTG - MEZZ M103         20 A         1           22         9         E. LTG - MEZZ M103         20 A         1         1           24         11         E. LTG         20 A         1         1           28         15	Note in the set of	ating: 100 A       13       13         MLO: 40 A MCS       17       19         Circuit Description       CKT       19         - CARPENTRY AND AUTO       2       3 SPARE         - CARPENTRY AND AUTO       2       3 SPARE         - MEZZ M102       8       29       SPARE         5 S5 EMERGENCY LIGHTING       10       1       15         14       16       20       30       1. FUSIBLE PANELBOARD.         21       24       20 SDARE       20       3. PROVIDE WITH INTEGRAL SPD DEVICE.         21       222       224       20       3. PROVIDE WITH INTEGRAL SPD DEVICE.         221       222       223       Supply From: ELDP.1         222       223       Supply From: ELDP.1       Mounting: Surface         23       30       6       1       2. PROVIDE WITH INTEGRAL SPD DEVICE.         24       26       27       Supply From: ELDP.1       Mounting: Surface         25       7       9       11       1.       1.         26       5       7       9       1.       1.         21       SPARE       23       SPARE       23       SPARE         22       SPARE	Image:	Al.C. Rating: 50 KAIC Bus Material: CU Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS 20 A E. LTG 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE
11            13            13            15            17            19             23             25             29             31             33             31             33             34             41             Notes:       Phase       I       E          Notes:       Date:       E           Mounting:       Surghy From: ATS-1       Mounting: Surface           1       EPH5-1       225 A       3       227 A	0       1.13       0       0.03       0.03         1.13       0.00       0.76       0         0       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.76       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00       0.00         1       0.00       1.55       1.581       0.00       1.581		4         Mounting: Surface           6         Enclosure: Type 1           8         CKT         Circuit Description         Trip           12         CKT         Circuit Description         Trip           14         3         E. LTG         20 A         1           18         5         E. LTG         20 A         1           20         7         E. LTG - THEORY AND RESTROOM         20 A         1           22         9         E. LTG - THEORY AND RESTROOM         20 A         1           24         11         E. LTG         20 A         1           25         PARE         20 A         1         20           30         17	Note with the set of the set o	ating: 50 KAIC       13         ating: 50 KAIC       17         circuit Description       CKT         - MEZZ M102       8         5 S5 EMERGENCY LIGHTING       10         11       12         11       12         11       23         12       SPARE         23       SPARE         24       29         14       16         15       102         16       29         17       103         18       20         21       18         20       24         21       24         22       24         23       SPARE         24       20         24       20         25       Supply From: ELDP-1         Mounting: Surface       11         26       12         27       Spare         28       11         29       21         20       11         21       21         22       23         23       Spare         23       Spare         23       Spar	Image: second	Al.C. Rating: 50 KAIC Bus Material: CU Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS Trip Circuit Descriptio 20 A E. LTG 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE
11            13            13            15            17            19            23            25            29            31            33            34            37       SPARE       40 A       3       0.0         39             41             1             1             1             1             1       Enclosure: Type 1            1       Enclosure: Type 1 </td <td>0       1.13       0.00       0.03       0.03         1.13       0.00       0.76       0         0       0.00       0.76       0         0       0.00       0.00       0.00         0       0.00       0.76       0       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00         10       0.00       0.00       0.00       0.00       0.00         12       VA       3.43 kVA       1.23 kVA       0.00       0.00         12       VOIts:       480/277 Wye       Phases:       3       Wires:       4         4       6.02       22.25       5.18       2       2       2         4       <t< td=""><td>340 APANEL EL2-2&lt;</td><td>4         Mounting: Surface           8         0         7           12         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           20         7         E. LTG         20 A         1           21         11         E. LTG         20 A         1           22         9         E. LTG - THEORY AND RESTROOM         20 A         1           224         11         E. LTG         20 A         1           231         11         E. LTG         20 A         1           24         13         20 A         1         20 A         1           34         21         SPARE         20 A         1           23         21         SPARE         20 A         1           36         25         SPARE         20 A         1           29         SPARE         20 A         1           20         SPARE         20 A         1           2         Moldel CASE SWITCH (MCS) MAIN DISCONNECT.         3         PROVIDE WI</td><td>Plase: 3         Bus F           Wires: 4         Bus F           MCB Rating           <math>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </math></td><td>ating: 100 A       10         MLO: 40 A MCS       17         Image: Construction of the second se</td><td>Image: state in the state</td><td>A.I.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS 20 A E. LTG 20 A E. SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE</td></t<></td>	0       1.13       0.00       0.03       0.03         1.13       0.00       0.76       0         0       0.00       0.76       0         0       0.00       0.00       0.00         0       0.00       0.76       0       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00         10       0.00       0.00       0.00       0.00       0.00         12       VA       3.43 kVA       1.23 kVA       0.00       0.00         12       VOIts:       480/277 Wye       Phases:       3       Wires:       4         4       6.02       22.25       5.18       2       2       2         4 <t< td=""><td>340 APANEL EL2-2&lt;</td><td>4         Mounting: Surface           8         0         7           12         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           20         7         E. LTG         20 A         1           21         11         E. LTG         20 A         1           22         9         E. LTG - THEORY AND RESTROOM         20 A         1           224         11         E. LTG         20 A         1           231         11         E. LTG         20 A         1           24         13         20 A         1         20 A         1           34         21         SPARE         20 A         1           23         21         SPARE         20 A         1           36         25         SPARE         20 A         1           29         SPARE         20 A         1           20         SPARE         20 A         1           2         Moldel CASE SWITCH (MCS) MAIN DISCONNECT.         3         PROVIDE WI</td><td>Plase: 3         Bus F           Wires: 4         Bus F           MCB Rating           <math>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </math></td><td>ating: 100 A       10         MLO: 40 A MCS       17         Image: Construction of the second se</td><td>Image: state in the state</td><td>A.I.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS 20 A E. LTG 20 A E. SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE</td></t<>	340 APANEL EL2-2<	4         Mounting: Surface           8         0         7           12         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           20         7         E. LTG         20 A         1           21         11         E. LTG         20 A         1           22         9         E. LTG - THEORY AND RESTROOM         20 A         1           224         11         E. LTG         20 A         1           231         11         E. LTG         20 A         1           24         13         20 A         1         20 A         1           34         21         SPARE         20 A         1           23         21         SPARE         20 A         1           36         25         SPARE         20 A         1           29         SPARE         20 A         1           20         SPARE         20 A         1           2         Moldel CASE SWITCH (MCS) MAIN DISCONNECT.         3         PROVIDE WI	Plase: 3         Bus F           Wires: 4         Bus F           MCB Rating $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	ating: 100 A       10         MLO: 40 A MCS       17         Image: Construction of the second se	Image: state in the state	A.I.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS 20 A E. LTG 20 A E. SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE
11             13             15             17              19               21                23	0       1.13       0.00       0.03       0.03         1.13       0.00       0.76       0.00       0.00         0       0.00       0.76       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00       0.00         0       0.00       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00       0.00       0.00       0.00       0.00         1       0.00       0.00	340 APANEL EL2-2 <t< td=""><td>4         Mounting: Surface           6         CKT         Circuit Description         Trip         Poles           1         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           20         7         E. LTG         20 A         1           21         9         E. LTG         20 A         1           22         9         E. LTG - THEORY AND RESTROOM         20 A         1           24         11         E. LTG         20 A         1           24         11         E. LTG         20 A         1           24         11         E. LTG         20 A         1           24         13        </td><td>Note the set of the</td><td>ating: 100 A       17         MLO: 40 A MCS       17         Image: Circuit Description       CKT         Circuit Description       CKT         23       SPARE         23       SPARE         23       SPARE         24       23         6       17         19       21         23       SPARE         24       23         141       23         16       12         17       23         17       23         17       23         11       100         11       11         11       11         11       11         11       11         12       24         12       24         13       20         141       21         24       26         25       Supply From: ELDP-1         Mounting: Surface       20         11       21         20       21         21       21         22       SPARE         23       SPARE         24       23</td><td>Image: state       Image: state       <th< td=""><td>AI.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS PS Trip Circuit Descriptio 20 A E. LTG 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE</td></th<></td></t<>	4         Mounting: Surface           6         CKT         Circuit Description         Trip         Poles           1         1         EM HVAC + PLUMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           20         7         E. LTG         20 A         1           21         9         E. LTG         20 A         1           22         9         E. LTG - THEORY AND RESTROOM         20 A         1           24         11         E. LTG         20 A         1           24         11         E. LTG         20 A         1           24         11         E. LTG         20 A         1           24         13	Note the set of the	ating: 100 A       17         MLO: 40 A MCS       17         Image: Circuit Description       CKT         Circuit Description       CKT         23       SPARE         23       SPARE         23       SPARE         24       23         6       17         19       21         23       SPARE         24       23         141       23         16       12         17       23         17       23         17       23         11       100         11       11         11       11         11       11         11       11         12       24         12       24         13       20         141       21         24       26         25       Supply From: ELDP-1         Mounting: Surface       20         11       21         20       21         21       21         22       SPARE         23       SPARE         24       23	Image: state       Image: state <th< td=""><td>AI.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS PS Trip Circuit Descriptio 20 A E. LTG 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE</td></th<>	AI.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS PS Trip Circuit Descriptio 20 A E. LTG 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE 20 A SPARE
11       -       -       -         13       -       -       -         13       -       -       -         15       -       -       -         17       -       -       -         19       -       -       -         21       -       -       -         23       -       -       -         29       -       -       -         31       -       -       -         325       -       -       -         29       -       -       -         31       -       -       -         35       -       -       -         36       -       -       -         37       SPARE       40 A 3       0.0         38       -       -       -         1       FUSIBLE PANELBOARD       -       -         1       EPH5-1       25 A 3       22:5         3       -       -       -         1       EPH5-1       25 A 3       22:5         3       -       -       -         1       EPH5-1	0.00 $0.00$ $0.76$ $0.00$ $0.00$ $1.13$ $0.00$ $0.76$ $0.00$ $0.00$ $1.00$ $0.76$ $0.00$ $0.00$ $0.00$ $1.00$ $0.76$ $0.00$ $0.00$ $0.00$ $1.00$ $0.00$ $0.00$ $0.00$ $0.00$ $1.00$ $0.00$ $0.00$ $0.00$ $0.00$ $1.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.00$ $0.0$	340 APANEL EL2-2 <t< td=""><td>4         Mounting:         Surface           6         Enclosure:         Type 1           12         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + FULMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           22         9         E. LTG         THE ORY AND RESTROOM         20 A         1           24         11         E. LTG         THE ORY AND RESTROOM         20 A         1           24         1         E. LTG         THE ORY AND RESTROOM         20 A         1           25         SPARE         20 A         1         1         1         1           28         15         -         -         1         1         1         1         1           38         25         SPARE         20 A         1         1         2         1         1         1           40         27         SPARE         20 A         1         1         2         1         1         1         1         1         1         2         1         1         1         1         1         1</td><td>Note of the set of</td><td>ating: 50 KAIC         terinit: 00 A         MLO: 40 A MCS         Circuit Description         CKT         23         44         6         - MEZZ M102         44         6         - MEZZ M102         44         6         - MEZZ M102         14         16         20         144         16         17         19         21         22         144         16         16         17         16         17         16         17         16         17         16         17         18         18         18         18         18         19         11         11         12         10         11         12         23         24         25         26         7     <!--</td--><td>Image: state of the state</td><td>A.I.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS STrip Circuit Descriptio 20 A E. LTG 20 A SPARE 20 A SPARE</td></td></t<>	4         Mounting:         Surface           6         Enclosure:         Type 1           12         CKT         Circuit Description         Trip         Poles           14         1         EM HVAC + FULMBING LIGHTING         20 A         1           16         3         E. LTG         20 A         1           22         9         E. LTG         THE ORY AND RESTROOM         20 A         1           24         11         E. LTG         THE ORY AND RESTROOM         20 A         1           24         1         E. LTG         THE ORY AND RESTROOM         20 A         1           25         SPARE         20 A         1         1         1         1           28         15         -         -         1         1         1         1         1           38         25         SPARE         20 A         1         1         2         1         1         1           40         27         SPARE         20 A         1         1         2         1         1         1         1         1         1         2         1         1         1         1         1         1	Note of the set of	ating: 50 KAIC         terinit: 00 A         MLO: 40 A MCS         Circuit Description         CKT         23         44         6         - MEZZ M102         44         6         - MEZZ M102         44         6         - MEZZ M102         14         16         20         144         16         17         19         21         22         144         16         16         17         16         17         16         17         16         17         16         17         18         18         18         18         18         19         11         11         12         10         11         12         23         24         25         26         7 </td <td>Image: state of the state</td> <td>A.I.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS STrip Circuit Descriptio 20 A E. LTG 20 A SPARE 20 A SPARE</td>	Image: state of the state	A.I.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS STrip Circuit Descriptio 20 A E. LTG 20 A SPARE 20 A SPARE
11       -       -       -       -         13       -       -       -       -         15       -       -       -       -         17       -       -       -       -         19       -       -       -       -         23       -       -       -       -         23       -       -       -       -         27       -       -       -       -         31       -       -       -       -         33       -       -       -       -         33       -       -       -       -         34       -       -       -       -         35       -       -       -       -         36       -       -       -       -         1       -       -       -       -         Notes:       Phase       2       2       2         1       EPH5-1       25 A 3       22.3       3       0.0         1       EPH5-1       25 A 3       0.0       9       -       -         1       EPH5-1	Note         Note         Note         Note         Note           1113         0.00         0.76         0.00         0.00           1         0.00         0.76         0.00         0.00           1         0.00         0.76         0.00         0.00           1         0.00         0.76         0.00         0.00           1         0.00         0.76         0.00         0.00           1         0.00         0.00         0.00         0.00         0.00           1         0.00         0.00         0.00         0.00         0.00           1         0.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         0.00           12         0.00         0.00         0.00         0.00         0.00           12         0.00         0.00         0.00         0.00         0.00           12         0.00         11.55         0         0         0.00           14         6.02         0.00         0.00	340.4PANEL EL2-2 <t< td=""><td>4         Mounting:         Surface           6         Enclosure:         Type 1           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           18         5         E. LTG         20 A         1           20         7         E. LTG - THEORY AND RESTROOM         20 A         1           21         9         E. LTG - OMEZZ M103         20 A         1           22         9         E. LTG - OMEZZ M103         20 A         1           24         11         E. LTG         20 A         1           25         SPARE         20 A         1           36         25         SPARE         20 A         1           40         27         SPARE         20 A         1           42         9         SPARE         20 A         1           20         SPARE         20 A         1           21         I. FUSIBLE PANELBOARD.         1         Plase Load:           21         NOLDEC CASE SWITCH (MCS) MAIN DISCONNECT.         3. PROVIDE WITH INTEGRAL SPD DEVICE.           24         3         <td< td=""><td>Notes: 3       Bus from the set of the set of</td><td>ating: 100 A       10         MLO: 40 A MCS       17         -CARPENTRY AND AUTO       2         4       25         - CARPENTRY AND AUTO       2         4       25         4       27         4       28         6       29         - MEZZ M102       8         6       16         144       26         5       55 EMERGENCY LIGHTING         144       20         20       15         17       20         16       20         21       24         22       24         22       24         23       24         24       26         24       26         24       26         25       Spapip From: ELDP-1         Mounting: Surface       10         1       210 FL INTERIOR EM LIGHTING         3       E LTO         5       7         9       21         24       23         25       SPARE         21       25         21       SPARE         22</td><td>Image: state state</td><td>AI.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS 20 A E. LTG 20 A E. SPARE 20 A SPARE</td></td<></td></t<>	4         Mounting:         Surface           6         Enclosure:         Type 1           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           14         1         EM HVAC + PLUMBING LIGHTING         20 A         1           18         5         E. LTG         20 A         1           20         7         E. LTG - THEORY AND RESTROOM         20 A         1           21         9         E. LTG - OMEZZ M103         20 A         1           22         9         E. LTG - OMEZZ M103         20 A         1           24         11         E. LTG         20 A         1           25         SPARE         20 A         1           36         25         SPARE         20 A         1           40         27         SPARE         20 A         1           42         9         SPARE         20 A         1           20         SPARE         20 A         1           21         I. FUSIBLE PANELBOARD.         1         Plase Load:           21         NOLDEC CASE SWITCH (MCS) MAIN DISCONNECT.         3. PROVIDE WITH INTEGRAL SPD DEVICE.           24         3 <td< td=""><td>Notes: 3       Bus from the set of the set of</td><td>ating: 100 A       10         MLO: 40 A MCS       17         -CARPENTRY AND AUTO       2         4       25         - CARPENTRY AND AUTO       2         4       25         4       27         4       28         6       29         - MEZZ M102       8         6       16         144       26         5       55 EMERGENCY LIGHTING         144       20         20       15         17       20         16       20         21       24         22       24         22       24         23       24         24       26         24       26         24       26         25       Spapip From: ELDP-1         Mounting: Surface       10         1       210 FL INTERIOR EM LIGHTING         3       E LTO         5       7         9       21         24       23         25       SPARE         21       25         21       SPARE         22</td><td>Image: state state</td><td>AI.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS 20 A E. LTG 20 A E. SPARE 20 A SPARE</td></td<>	Notes: 3       Bus from the set of	ating: 100 A       10         MLO: 40 A MCS       17         -CARPENTRY AND AUTO       2         4       25         - CARPENTRY AND AUTO       2         4       25         4       27         4       28         6       29         - MEZZ M102       8         6       16         144       26         5       55 EMERGENCY LIGHTING         144       20         20       15         17       20         16       20         21       24         22       24         22       24         23       24         24       26         24       26         24       26         25       Spapip From: ELDP-1         Mounting: Surface       10         1       210 FL INTERIOR EM LIGHTING         3       E LTO         5       7         9       21         24       23         25       SPARE         21       25         21       SPARE         22	Image: state	AI.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A MCB Rating / MLO: 40 A MCS 20 A E. LTG 20 A E. SPARE 20 A SPARE

												E	Branch Panel: EP1-1										
46	6		_	Volts:	480/27	7 Wye				A.I.C. Rating: 50 KAIC			Location: ELEC E137				_	Volts:	120/20	8 Wye			
			PI	hases:	3					Bus Material: CU			Supply From: T-EP1-1				P	hases:	3				
				wires:	4					Bus Rating: 100 A			Mounting: Surface					wires:	4				
									MCB	Rating / MLO: 40 A MCS			Enclosure: Type 1										IV
							•										•						
_	Dalaa	A			5	,		Deles	Tuin	Circuit Description	OKT	OKT	Circuit Description	Tuin	Delee	-	A		5		,	Deles	_
) ^	Poles	0.17	0.00					Poles							Poles	0.70	0.07					Poles	 
^	1	0.17	0.29	0.20	0.00			1	20 A		2	1		20 A	1	0.72	0.07	0.50	0.50			1	
^	1			0.29	0.23	0.00	0.00	1	20 A		4	3	NEMA LO-SUR - IDF E 138	30 A	2			0.50	0.50	0.50	0.50	2	
^	1	0.26	0.05			0.29	0.29	1	20 A		0	5				2.40	2.10			0.50	0.50		-
^	1	0.20	0.25	0.04				1	20 A		0	/	SHEF-0	35 A	3	2.10	2.10	2.40	2.10			3	
1	I			0.04							10	9						2.10	2.10	2.10	2.10		
											12	12		 1 E A		0.50	0.75			2.10	2.10		~
											14	13	SHEF-0	IS A	3	0.58	0.75	0.59	0.72			1	
											10	15						0.58	0.72	0.50	0.00	1	
											10	17				0.26	0.26			0.58	0.30	1	
^	1			0.00	0.00			1	20.4		20	19		20 A	1	0.30	0.30	1.00	1.90			1	
^	1			0.00	0.00	0.00	0.00	1	20 A	SPARE	22	21		20 A	1			1.80	1.80	1 00	1 00	1	
^	1	0.00	0.00			0.00	0.00	1	20 A	SPARE	24	23		20 A	1	1.00	1.01			1.80	1.80	1	
^	1	0.00	0.00	0.00	0.00			1	20 A	SPARE	20	25	FO LEAK DETECTION PANEL - ET20	20 A	1	1.80	1.01	0.00	1.00			1	_
^	1			0.00	0.00	0.00	0.00	1	20 A	SPARE	28	27	F01P-1&2	20 A	2			0.89	1.80	0.00	4 00	1	
4	1 Loodi	0.07 1		0.50		0.00	0.00	1	20 A	SPARE	30	29				4.00	1.00		<u> </u>	0.89	1.20	1	_
e	Load:	0.97 K	.VA A	0.50	KVA	0.56		-				31	BMS (IP) PANEL - E 105	20 A	1	1.80	1.80	0.00	0.00			1	
se	•••	3.57	A	2	A	Ζ.	IA					33		20 A	1			0.00	0.00	0.00	0.00	1	
СТ	•											30		20 A	1	0.00	0.00			0.00	0.00	1	-
	•											20	SPARE	20 A	1	0.00	0.00	0.00	0.00			1	
												39	SPARE	20 A				0.00	0.00	0.00	0.00		
												41	SPARE	20 A	1	40.4		40.70		0.00	0.00	1	2
												Nistaa		Plase	Load:	13.4		12.78		11.83			
												Notes:		Phase		113	5.3 A	107	.8 A	98.	5 A		
:C	I RIC	•	_	Volts:	480/27	7 Wye				A.I.C. Rating: 50 KAIC													
			PI	hases:	3					Bus Material: CU													_
				Wires:	4					Bus Rating: 100 A													
									MCB	Rating / MLO: 40 A MCS													
							•																
	Delee	A			5	,		Delee	Trin	Circuit Description	CKT												
ע ^			0.70					roles															
^ ∧	1	0.09	0.73	0.52	0.40			1	20 A		<u>∠</u>												
1	I			0.53	0.19		0.04	1	20 A		4												
							0.04		20 A		0												
											0												
								-			10												

12 14

18

22 24 26

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		PI	Volts: hases: Wires:	480/27 3 4	7 Wye			MCB	A.I.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A Rating / MLO: 40 A MCS	
les	Å	4	E	3	(	2	Poles	Trin	Circuit Description	СКТ
1	0.93	0 45					1	20 A		2
1	0.00	0.10	0.55	1 80			1	20 A	F I TG	4
1			0.00	1.00	0.35	0.68	1	20 A	E.LTG	6
1	0.18	0.68					1	20 A	STAIR 1, 2 AND 3 EMERGENCY	8
1			0.42	0.26			1	20 A	VESTIBULE EM LIGHTING	10
1					0.15	0.60	1	20 A	BUILDING MOUNTED EM LIGHTING	12
										14
										16
										18
										20
1			0.00	0.00			1	20 A	SPARE	22
1					0.00	0.00	1	20 A	SPARE	24
1	0.00	0.00					1	20 A	SPARE	26
1			0.00	0.00			1	20 A	SPARE	28
1					0.00	0.00	1	20 A	SPARE	30
ad:	2.24	kVA	3.03	kVA	1.78	kVA				
	8.4	1 A	11.	2 A	6.4	1 A				

	P	Volts: hases: Wires:	480/27 3 4	7 Wye			MCB	A.I.C. Rating: 50 KAIC Bus Material: CU Bus Rating: 100 A Rating / MLO: 40 A MCS	
	4	E	З	(	0	Poles	Trip	Circuit Description	скт
.95	0.28					1	20 A	E. LTG	2
		1.24	0.75			1	20 A	E. LTG	4
					0.79	1	20 A	E. LTG - LEARNING COMM. C218	6
									8
									10
									12
									14
									16
									18
									20
		0.00	0.00			1	20 A	SPARE	22
				0.00	0.00	1	20 A	SPARE	24
00.0	0.00					1	20 A	SPARE	26
		0.00	0.00			1	20 A	SPARE	28
				0.00	0.00	1	20 A	SPARE	30
1.23	kVA	1.96	kVA	0.79	kVA				
4.7	7 A	7.3	3 A	2.8	3 A				

## **100% CONSTRUCTION DOCUMENTS**

drawin ELE PAN	<sup>g title</sup> CTRICA IELBOAF	L RDS	STATE DEPARTMEN	E OF CON	INECTICU ATIVE SERVICES	T
	F	REVISIONS	drawing prepared by			date
mort	data	description	Consulting E	ngineering Service	es, Inc.	05/24/2019
mark	date	description	811 Middle St., Middletowr	n, CT 06457		scale
1	07/23/2019	ADDENDUM #1				
						drawn by
						VJM
			project			approved by
			ADDITIONS A	ND RENOVATION	S	RSM
			PLATT TECHI 600 Orange Avenue Mi	NICAL HIGH SCHC	OOL	drawing no.
			CAD no.	DCS project no. ві-ят-878 см-я	OSCGR project no. 900-0013	E8-1-1

	МСВ	Bus Material: CU Bus Rating: 225 A Rating / MLO: 150 A MCB	
Poles	Trip	Circuit Description	СКТ
1	20 A	CUH-2	2
2	30 A	NEMA L6-30R - IDF E138	4
			6
3	35 A	SHEF-7	8
			10
			12
1	20 A	UH-15 TO UH-24	14
1	20 A	FATP IN ELECTRIC RM E137	16
1	20 A	RACK RECEPT - IDF E138	18
1	20 A	SECURITY SYSTEM POWER - IDF E138	20
1	20 A	DC-2 SPARK DETECTION PANEL - E148	22
1	20 A	DTP-1 CONTROL PANEL - E101	24
1	20 A	DTP-1 - E101	26
1	20 A	DTP-2 CONTROL PANEL - E120	28
1	20 A	DTP-2 - E120	30
1	20 A	BMS (IP) PANEL - E110	32
1	20 A	SPARE	34
1	20 A	SPARE	36
1	20 A	SPARE	38
1	20 A	SPARE	40
1	20 A	SPARE	42

Branch Danal: ED7 "	•															
	2				B	Franch Panel: EP7-2	2				Branch Panel: LP3-2					
Location: ELEC E240	)		Volts: 120/20	Wye A.I.C. Rating: 10 KAIC		Location: ELEC D221		Volts: 120	/208 Wye	A.I.C. Rating: 10 KAIC	Location: ELEC CLOSE	ET E243	Volts: 480/2	277 Wye	A.I.C. Rating: 18 KAIC	
Supply From: T-EP2-2		Р	hases: 3	Bus Material: CU		Supply From: T-EP7-2		Phases: 3		Bus Material: CU	Supply From: DSB-1		Phases: 3		Bus Material: CU	
Mounting: Surface			Wires: 4	Bus Rating: 100 A		Mounting: Surface		Wires: 4		Bus Rating: 100 A	Mounting: Surface		Wires: 4		Bus Rating: 100 A	
Enclosure: Type 1				MCB Rating / MLO: 100 A MCB		Enclosure: Type 1				MCB Rating / MLO: 100 A MCB	Enclosure: Type 1				MCB Rating / MLO: 60 A MCB	
		Α	В	c l				АВ	с			A	В	с		
CKT Circuit Description	Trip Poles			Poles Trip Circuit Description CK	т скт	<b>Circuit Description</b>	Trip Poles			Poles Trip Circuit Description CKT	CKT Circuit Description	Trip Poles			Poles Trip Circuit Descrip	tion CKT
1 RECEPT - MDF E241	20 A 1 0	0.72 0.00		1 20 A SPARE 2	1 F	RECEPT - MDF D220	20 A 1 0.72	0.36		1         20 A         RACK RECEPT - IDF D220         2	1 LTG - MEZZ M101	20 A 1 0.12	0.29		1 20 A LTG - MEZZ M108	2
3 NEMA L6-30R - MDF E241	30 A 2		0.50 0.50	2 30 A NEMA L6-30R - MDF E241 4	3 F	FATP IN IDF D220	20 A 1	0.72 0.3	6	1 20 A RACK RECEPT - IDF D220 4	3 LTG - MEZZ M104	20 A 1	0.23 0.23		1 20 A LTG - MEZZ M107	4
5					5 (	CU-5 / AC-5	15 A 2	0.50	0.06 0.50	2 30 A NEMA L6-30R - MDF D220 6	5 LTG - MEZZ M106	20 A 1	1.40	0.23 0.29	1 20 A LIG - MEZZ M105	6
7 CU-10/AC-10	15A 2 (	0.06 0.36	0.06 0.06	2 15 A CIL6/AC-6 10			0.06 15.Δ 2		0	8 2 30 A NEMA L 6-30R - MDE D220 10		20 A 1 3.55	1.49		1 20 A THEORY AND FACULTY F	XUUM 8 10
11 CU-9 / AC-9	15 A 2		0.00 0.00	0.06 0.06 12	2 11 -	-		0.00 0.0	0.06 0.50	12			1.70			12
13	(	0.06 0.36		1 20 A RACK RECEPT - IDF E241 14	13 L	LEF-1	15 A 3 0.83	0.83		3 15 A LEF-2 14	13					14
15 SECURITY SYSTEM POWER - IDF E24	1 20 A 1		0.36 1.80	1 20 A BMS PANEL - M108 16	6 15 -			0.83 0.8	3	16	15					16
17 BMS PANEL - M102	20 A 1			1.80         1.80         1         20 A         BMS PANEL - M103         18	3 17 -				0.83 0.83	18	17					18
19 BMS (IP) PANEL - E241	20 A 1	1.80		20	) 19 L	LEF-3	15 A 3 0.83	0.30		1 20 A UH 30 TO UH 33 20						20
21				22	2 21 -			0.83 0.3		1 20 A RACK RECEPT - IDF D220 22	21 SPARE	20 A 1	0.00 0.00		1 20 A SPARE	22
23				24	+ 23 -	GAS SHUNT TRIP RELAY - D105	20.4 1 0.10	0.50	0.83 0.36	1         20 A         SECURITY SYSTEM POWER - IDF D220         24           1         20 A         GAS LITH ITY PANEL - D105         26	23 SPARE 25 SPARE	20 A 1 0.00	0.00	0.00 0.00	1 20 A SPARE	24
27				20	$\frac{23}{3}$ 27 (	GAS SHUNT TRIP RELAY - D204 & D20	09 20 A 1 0.10	0.20 0.5	i0	1         20 A         GAS UTILITY PANEL - D103         20           1         20 A         GAS UTILITY PANEL - D204         28	27 SPARE	20 A 1 0.00	0.00 0.00	)	1 20 A SPARE	20
29				30	) 29 (	GAS UTILITY PANEL - D209	20 A 1		0.50 0.20	1 20 A GAS SHUNT TRIP RELAY - D210 & 30	29 SPARE	20 A 1		0.00 0.00	1 20 A SPARE	30
31				32	2 31 0	GAS UTILITY PANEL - D212	20 A 1 0.50	0.50		1         20 A         GAS UTILITY PANEL - D210         32		Plase Load: 5.44 k	VA 2.23 kVA	0.52 kVA		
33 SPARE	20 A 1		0.00 0.00	1 20 A SPARE 34	4 33 \$	SPARE	20 A 1	0.00 0.0	0	1 20 A SPARE 34	Notes:	<b>Phase</b> 20.6	A 9 A	1.9 A		
35 SPARE	20 A 1			0.00 0.00 1 20 A SPARE 36	5 <u>35</u> 5	SPARE	20 A 1		0.00 0.00	1 20 A SPARE 36						
37 SPARE	20 A 1 0	0.00 0.00		1 20 A SPARE 38	3 37 5	SPARE	20 A 1 0.00	0.00		1 20 A SPARE 38	-					
39 SPARE	20 A 1		0.00 0.00	1 20 A SPARE 40	) 39 8	SPARE	20 A 1	0.00 0.0	0	1 20 A SPARE 40	_					
41 SPARE	20 A 1	2.2010/0	2.00 14/4	0.00 0.00 1 20 A SPARE 42	2 41 5	SPARE	20 A 1		0.00 0.00	1 20 A SPARE 42						
Notos	Plase Load:	3.36 KVA	3.28 KVA	4.72 KVA	Notos		Plase Load: 6.0	2 KVA 5.18 KVA	4.66 KVA	_	Branch Panel: LP5-1					
Noles.	FildSe	20.1 A	21.3 A	39.4 A	Notes.			J.5 A 43.5 A	30.9 A			120	Volte: 480/2		AIC Bating: 35 KAIC	
											Supply From: MSB-2	129	Phases: 3		Bus Material: CU	
											Mounting: Surface		Wires: 4		Bus Rating: 100 A	
											Enclosure: Type 1				MCB Rating / MLO: 60 A MCB	
Branch Danol: ED3_1					R	ranch Panol: EKP										
Dialicii Fallei. LF 3-4												A	B	C		
Location: ELEC CLO	SET E246	_	Volts: 120/20	Wye A.I.C. Rating: 10 KAIC		Location: LAUNDRY/	STORAGE	<b>Volts:</b> 120	/208 Wye	A.I.C. Rating: 22 KAIC		Trip Poles	4.50		Poles Trip Circuit Descrip	tion CKT
Supply From: 1-EP3-2		Р	hases: 3	Bus Material: CU		Supply From: T-EKP		Phases: 3		Bus Material: CU		20 A 1 3.15	3.58 3.47	,	1 20 A FITNESS CENTER/ AERO	BICS 2
Final Surface			wires: 4	MCB Rating / MLO: 100 A MCB		Final Survey Type 1		wires: 4		MCB Rating / MI O: 225 A MCB	5 KITCHEN LIGHTING	20 A 1	5.50 5.47	2.70 0.22	1 20 A STAIR 4 S4 LIGHTING	6
											7					8
		Α	В	c l				A B	С		9					10
CKT Circuit Description	Trip Poles			Poles Trip Circuit Description CK	т скт	<b>Circuit Description</b>	Trip Poles			Poles Trip Circuit Description CKT	11					12
1 RECEPT - MDF E205	20 A 1 0	0.72 0.50		2 30 A NEMA L6-30R - MDF E205 2	1 (	CA-01a - REFRIGERATOR/FREEZER	20 A 1 1.44	1.44		1         20 A         CA01b - REFRIGERATOR/FREEZER         2	13					14
3 NEMA L6-30R - MDF E205	30 A 2		0.50 0.50	4	3 (	CA24 - WALK-IN COOLER LIGHTS,	20 A 1	1.00 1.2	0	1 20 A CA26 - WALK-IN COOLER LIGHTS, 4	15					16
5				0.50 0.06 2 20 A CU-1 / AC-1 6	5 (	CA24A - WALK-IN COOLER	20 A 3	1.64	0.97 1.64	3 20 A CA26A - WALK-IN COOLER 6						18
7 CU-27AC-2										0						20
9		0.06	0.06 0.06	2 15 A CIL-3 / AC-3 10			0.97	0.97 1.6	4	8 10	21 SPARE	20 A 1	0.00 0.00	)	1 20 A SPARE	24
9 11 CU-4 / AC-4	 15 A 2	0.06	0.06 0.06	8           2         15 A         CU-3 / AC-3         10           0.06         0.06            12	) 9 - 2 11 0	  CA24B - WALK-IN COOLER	0.97  20 A 1	0.97 1.6	4 0.30 12.40	8             10           0         1         20 A         CA26B - WALK-IN COOLER         12	21 SPARE 23 SPARE	20 A 1 20 A 1	0.00 0.00	0.00 0.00	1         20 A         SPARE           1         20 A         SPARE	24
9 11 CU-4 / AC-4 13	(	0.06 0.06	0.06 0.06	8           2         15 A         CU-3 / AC-3         10           0.06         0.06           12           2         15 A         CU-8 / AC-8         14	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS,	0.97               20 A         1           20 A         1	0.97 1.00	4 0.30 12.40	8             10           0         1         20 A         CA26B - WALK-IN COOLER         12           1         20 A         FS25 - WALK-IN COOLER LIGHTS,         14	19       21     SPARE       23     SPARE       25     SPARE	20 A         1         20           20 A         1         20           20 A         1         0.00	0.00 0.00 0.00 0.00	0.00 0.00	1         20 A         SPARE           1         20 A         SPARE           1         20 A         SPARE	24 26
9 11 CU-4 / AC-4 13 15 CU-11 / AC-11	( 15 A 2 ( 15 A 2	0.06 0.06	0.06 0.06 0.06 0.06	8           2         15 A         CU-3 / AC-3         10           0.06         0.06           12           2         15 A         CU-8 / AC-8         14              16	$ \begin{array}{c} 7 \\ 9 \\ - \\ 2 \\ 4 \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ -$	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER	0.97               20 A         1           20 A         1           20 A         3	1.04         0.97         1.6           0         1.00         0.98         1.00	4 0.30 12.40 0 0 0	8             10           0         1         20 A         CA26B - WALK-IN COOLER         12           1         20 A         FS25 - WALK-IN COOLER LIGHTS,         14           3         20 A         FS25A - WALK-IN COOLER         16	1921SPARE23SPARE25SPARE27SPARE	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	1       20 A       SPARE	24 26 28
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17	25 A         2         0              0           15 A         2         0         0           15 A         2         0         0           15 A         2         0         0           15 A         2         0         0	0.06 0.06	0.06 0.06 0.06 0.06 0.06 0.06	8           2         15 A         CU-3 / AC-3         10           0.06         0.06           12           2         15 A         CU-8 / AC-8         14             16           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         18	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	 CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER 	0.97               20 A         1           20 A         1           20 A         3	1.04     0.97     1.6       1.00     0.98     1.0       0.98     1.0	4 0.30 12.40 0.00 0.98 1.00	8             10           1         20 A         CA26B - WALK-IN COOLER         12           1         20 A         FS25 - WALK-IN COOLER LIGHTS,         14           3         20 A         FS25A - WALK-IN COOLER         16             18	1921SPARE23SPARE25SPARE27SPARE29SPARE	20 A     1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1       20 A       SPARE	24 26 28 30
9 11 CU-4 / AC-4 13 15 CU-11 / AC-11 17 19 NEMA L6-30R - SERVER/RACK E202	20 A     2     0            15 A     2     0       15 A     2     0       30 A     2     0	0.06 0.06 0.06 0.06 0.50 0.50	0.06 0.06 0.06 0.06 0.06 0.06	8           2         15 A         CU-3 / AC-3         10           0.06         0.06           12           2         15 A         CU-8 / AC-8         14             16           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         18           2         30 A         NEMA L6-30R - SERVER/RACK E202         20	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	 CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  	0.97               20 A         1           20 A         1           20 A         3               0.97            0.97            0.98	1.04     0.97     1.6       1.00     0.98     1.0       0.1.00     0.98     1.0       1.00     0.98     1.0	4 0.30 12.40 0.00 0.98 1.00	8              10           0         1         20 A         CA26B - WALK-IN COOLER         12           1         20 A         FS25 - WALK-IN COOLER LIGHTS,         14           3         20 A         FS25A - WALK-IN COOLER         16             18          20	19       21     SPARE       23     SPARE       25     SPARE       27     SPARE       29     SPARE	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2.92 kVA	1       20 A       SPARE	24 26 28 30
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH 10 TO UH 14 UH 25 TO UH 20	20 A     2     0         0       15 A     2     0       15 A     2     0       30 A     2     0         0       20 A     1	0.06 0.06 0.06 0.06 0.50 0.50	0.06         0.06           0.06         0.06           0.06         0.06           0.06         0.06           0.05         0.050	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-8       14            16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         2       30 A       NEMA L6-30R - SERVER/RACK E202       20            22         0.75       0.36       1       20 A       PACK PECEPT - E205       24	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	 CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 PEACH IN UNDERCOUNTER	0.97                20 A         1         1.00           20 A         3              0.98           20 A         1            20 A         1            20 A         3              0.98           20 A         1	1.04     0.97     1.6       1.00     0.98     1.0       0.98     1.0     1.0       1.00     0.98     1.0       0.030     0.2	4	8           10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           20       1       20 A       FS-25B WALK-IN COOLER       22         1       20 A       FS-25B WALK-IN COOLER       22       24	19       21     SPARE       23     SPARE       25     SPARE       27     SPARE       29     SPARE	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A	0.00     0.00       0.00     0.00       0.00     0.00       0.00     0.00       2.92 kVA       10.6 A	1       20 A       SPARE	24 26 28 30
9 11 CU-4 / AC-4 13 15 CU-11 / AC-11 17 19 NEMA L6-30R - SERVER/RACK E202 21 23 UH-10 TO UH-14, UH- 25 TO UH-29 25 RACK RECEPT - IDE E205	20 A     2     0            15 A     2     0       15 A     2     0       30 A     2     0         0       20 A     1     0	0.06 0.06 0.06 0.06 0.50 0.50	0.06 0.06 0.06 0.06 0.06 0.06 0.50 0.50	8           2         15 A         CU-3 / AC-3         10           0.06         0.06           12           2         15 A         CU-8 / AC-3         10           0.06         0.06           12           2         15 A         CU-8 / AC-8         14              16           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         18           2         30 A         NEMA L6-30R - SERVER/RACK E202         20          22           0.75         0.36         1         20 A         RACK RECEPT - E205         24           1         20 A         RACK RECEPT - SERVER/RACK E202         26	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	 CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REERIGERATOR	0.97               20 A         1           20 A         1           20 A         3               20 A         3               20 A         3               20 A         1           20 A         1           20 A         1           20 A         1	1.04     0.97     1.6       1.00     0.98     1.0       1.00     0.98     1.0       1.00     0.30     0.2       1.00     0.30     0.2       1.64     0.4	4	8              10           0         1         20 A         CA26B - WALK-IN COOLER         12           1         20 A         FS25 - WALK-IN COOLER LIGHTS,         14           3         20 A         FS25A - WALK-IN COOLER LIGHTS,         16              18             18            1         20 A         FS-25B WALK-IN COOLER         20           1         20 A         FS-25B WALK-IN COOLER         22           1         20 A         FS26 - WALK-IN COOLER         22           1         20 A         FS26 - WALK-IN FREEZER LIGHTS,         24           3         20 A         FS26A - WALK-IN FREEZER         26	19         21       SPARE         23       SPARE         25       SPARE         27       SPARE         29       SPARE         Notes:	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         2.92 kVA       10.5 A	1       20 A       SPARE	24 26 28 30
9            11         CU-4 / AC-4           13            15         CU-11 / AC-11           17            19         NEMA L6-30R - SERVER/RACK E202           21            23         UH-10 TO UH-14, UH- 25 TO UH-29           25         RACK RECEPT - IDF E205           27         RACK RECEPT - SERVER/RACK E202	20 A     2     0         0       15 A     2     0         0       30 A     2     0         0       20 A     1     0	0.06 0.06 0.06 0.06 0.50 0.50 0.36 0.36	0.06         0.06           0.06         0.06           0.06         0.06           0.06         0.06           0.05         0.050           0.50         0.50           0.36         0.36	Image: Second	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	 CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER	0.97             20 A       1         20 A       1         20 A       3             0.97          20 A       1         20 A       3              0.98         20 A       1	1.04       0.97       1.6         1.00       0.98       1.0         0.1.00       0.98       1.0         1.00       0.98       1.0         0.1.00       0.30       0.2         0.1.64       0.84       1.6	4	8              10           0         1         20 A         CA26B - WALK-IN COOLER         12           1         20 A         FS25 - WALK-IN COOLER LIGHTS,         14           3         20 A         FS25A - WALK-IN COOLER LIGHTS,         14              16              18              20           1         20 A         FS25B WALK-IN COOLER         22           1         20 A         FS-25B WALK-IN COOLER         22           1         20 A         FS-25B WALK-IN COOLER         22           1         20 A         FS26 - WALK-IN FREEZER LIGHTS,         24           3         20 A         FS26A - WALK-IN FREEZER         26              28	19         21       SPARE         23       SPARE         25       SPARE         27       SPARE         29       SPARE         Notes:	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A	0.00     0.00       0.00     0.00       0.00     0.00       0.00     0.00       2.92 kVA       10.6 A	1       20 A       SPARE	24 26 28 30
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER	20 A     2     0            15 A     2           30 A     2           20 A     1	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36	0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.36	Image: Constraint of the system         Image: Consystem         Image: Constraint of the syst	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	 CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR	0.97         20 A       1       1         20 A       1       1.00         20 A       3       1         20 A       3       1         20 A       3       1         20 A       3       1         20 A       1       1.00         20 A       1       0.60         20 A       1       1.00         20 A       1       1.00	1.04     0.97     1.6       1.00     1.0     1.0       1.00     0.98     1.0       1.00     0.98     1.0       1.00     0.30     0.2       1.00     0.30     0.2       1.00     0.84     1.6	4	8              10           0         1         20 A         CA26B - WALK-IN COOLER         12           1         20 A         FS25 - WALK-IN COOLER LIGHTS,         14           3         20 A         FS25A - WALK-IN COOLER LIGHTS,         14           3         20 A         FS25A - WALK-IN COOLER         16              18             18          20           1         20 A         FS-25B WALK-IN COOLER         22           1         20 A         FS-25B WALK-IN COOLER         22           1         20 A         FS26 - WALK-IN FREEZER LIGHTS,         24           3         20 A         FS26A - WALK-IN FREEZER LIGHTS,         26              28          30	19         21       SPARE         23       SPARE         25       SPARE         27       SPARE         29       SPARE         Notes:	20 A       1	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A	0.00     0.00       0.00     0.00       0.00     0.00       0.00     0.00       2.92 kVA       10.6 A	1       20 A       SPARE	24 26 28 30
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31	20 A     2     0         0       15 A     2     0         0       30 A     2     0         0       30 A     2     0         0       20 A     1     0	0.06 0.06 0.06 0.06 0.50 0.50 0.36 0.36	0.06 0.06 0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-8       14            16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       30 A       NEMA L6-30R - SERVER/RACK E202       20             22       20       20       22       20             22       20       20       20       20             22       20       20       22       20         0.75       0.36       1       20 A       RACK RECEPT - SERVER/RACK E202       26         1       20 A       SECURITY SYSTEM POWER - IDF E205       28       30         1.60          30	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	 CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE	0.97               20 A         1           20 A         3                0.98           20 A         1	1.04     0.97     1.6       1.00     0.98     1.0       1.00     0.98     1.0       1.00     0.98     1.0       1.00     0.30     0.2       1.64     0.84     1.6       0.1.24     0.84     1.6	4	8              10           0         1         20 A         CA26B - WALK-IN COOLER         12           1         20 A         FS25 - WALK-IN COOLER LIGHTS,         14           3         20 A         FS25A - WALK-IN COOLER LIGHTS,         16              18              20           1         20 A         FS25B WALK-IN COOLER         22           1         20 A         FS25B WALK-IN COOLER         22           1         20 A         FS26 - WALK-IN FREEZER LIGHTS,         24           3         20 A         FS26A - WALK-IN FREEZER LIGHTS,         24           3         20 A         FS26A - WALK-IN FREEZER         26              28             30         30         30           1         20 A         FS26B - WALK-IN FREEZER         32	19         21       SPARE         23       SPARE         25       SPARE         27       SPARE         29       SPARE         Notes:	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A	0.00     0.00       0.00     0.00       0.00     0.00       2.92 kVA       10.6 A	1       20 A       SPARE	24 26 28 30
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31       33         33       SPARE	20 A     2     0            15 A     2           30 A     2           20 A     1	0.06 0.06 0.06 0.06 0.50 0.50 0.36 0.36 0.36 0.36	0.06 0.06 0.06 0.06 0.06 0.06 0.50 0.50 0.36 0.36 0.00 0.18	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-8       14            16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20            22       30 A       NEMA L6-30R - SERVER/RACK E202       20            22       20 A       RACK RECEPT - E205       24         0.75       0.36       1       20 A       RACK RECEPT - SERVER/RACK E202       26         1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60         30         1       20 A       ELEVATOR SHUNT-TRIP CONTROL       34	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN	0.97              20 A       1       1.00         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1          20 A       1          20 A       1          20 A       1       0.60         20 A       1	1.04     0.97     1.6       1.00     0.98     1.0       1.00     0.98     1.0       1.00     0.98     1.0       1.00     0.30     0.2       1.00     0.30     0.2       1.64     0.84     1.6       0.1.24     1.09     0.6	4	8              10           0         1         20 A         CA26B - WALK-IN COOLER         12           1         20 A         FS25 - WALK-IN COOLER LIGHTS,         14           3         20 A         FS25A - WALK-IN COOLER LIGHTS,         14           3         20 A         FS25A - WALK-IN COOLER         16              18             18          20           1         20 A         FS25B WALK-IN COOLER         22           1         20 A         FS26 - WALK-IN COOLER         22           1         20 A         FS26 - WALK-IN COOLER         22           1         20 A         FS26 - WALK-IN FREEZER LIGHTS,         24           3         20 A         FS26A - WALK-IN FREEZER LIGHTS,         26              28          30           1         20 A         FS26B - WALK-IN FREEZER         32         30           1         20 A         SR07a - COMMERCIAL REFRIGERATOR         34	19         21       SPARE         23       SPARE         25       SPARE         27       SPARE         29       SPARE         Notes:	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A	0.00     0.00       0.00     0.00       0.00     0.00       2.92 kVA       10.6 A	1       20 A       SPARE	24 26 28 30
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31       33         33       SPARE         35       SPARE	20 A     2     0       15 A     2     0       15 A     2     0       15 A     2     0       30 A     2     0         0       30 A     2     0         0       20 A     1     0	0.06 0.06 0.06 0.06 0.50 0.50 0.36 0.36 0.36 0.36	0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.50 0.50 0.50 0.36 0.36 0.00 0.18	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-8       14            16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       20            22       20       20            22       20       20            22       20       20             22       20         0.75       0.36       1       20 A       RACK RECEPT - SERVER/RACK E202       26         1.60          30       30         1.60          30       30	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	 CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER CA25B - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN	0.97               20 A         1           20 A         1           20 A         1           20 A         3                        0.98           20 A         1	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.01       0.30       0.2         1.01       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.04       0.84       1.6         1.24       1.09       0.6         1.00       0.00       0.00	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           18          1       20 A       FS25A - WALK-IN COOLER       20         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER       26            28        30         1       20 A       FS26B - WALK-IN FREEZER       32       30         1       20 A       FS26B - WALK-IN FREEZER       32       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A Volts: 480/2	277 Wye	1       20 A       SPARE	24 26 28 30
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31       33         33       SPARE         35       SPARE         37       SPARE         30       SPARE	20 A     2     0            15 A     2           30 A     2           20 A     1	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.36 0.00 0.00	0.06 0.06 0.06 0.06 0.06 0.06 0.50 0.50 0.36 0.36 0.00 0.18	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-8       14            16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20            22       30 A       NEMA L6-30R - SERVER/RACK E202       20         0.75       0.36       1       20 A       RACK RECEPT - E205       24         1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60         30         1       20 A       SPARE       36         1       20 A       SPARE       38         1       20 A       SPARE       38	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	 CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF	0.97               20 A         1           20 A         1           20 A         1           20 A         3               20 A         3               20 A         1	1.04       0.97       1.6         0       1.00       0.98       1.0         1.00       0.98       1.0       0.9         1.00       0.98       1.0       0.9         1.00       0.98       1.0       0.9         1.00       0.30       0.2       0.2         1.00       0.30       0.2       0.2         1.01       0.84       1.6         0       1.24       0.9       0.6         0       1.24       0.9       0.6         0       0.00       0.0       0.6	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           18       20         1       20 A       FS25A - WALK-IN COOLER       20         1       20 A       FS26A - WALK-IN COOLER       22         1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26            28           3       20 A       FS26B - WALK-IN FREEZER       32       30         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SR07b - COMMERCIAL REFRIGERATOR       36         1       20 A       SPARE       38       38	19         21       SPARE         23       SPARE         25       SPARE         27       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting: Surface	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A Volts: 480/2 Phases: 3	2277 Wye	1       20 A       SPARE         A.I.C. Rating: 18 KAIC       Bus Material: CU         Bus Material: CU       Bus Material: CU	24 26 28 30
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31          33       SPARE         35       SPARE         39       SPARE         41       SPARE	20 A       2       0         15 A       2       0         20 A       1       0	0.06 0.06 0.06 0.06 0.50 0.50 0.36 0.36 0.36 0.36 0.36 0.36	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-8       14            16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       20             22       20            22       20       20             22       20         0.75       0.36       1       20 A       RACK RECEPT - SERVER/RACK E202       26         1.60           30         1.60           30         1.20 A       ELEVATOR SHUNT-TRIP CONTROL       34       36	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	 CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE	0.97         20 A       1       1         20 A       1       1.00         20 A       3       1         20 A       3       1         20 A       3       1           0.98         20 A       1       1         20 A       1       1         20 A       1       1         20 A       1       0.60         20 A       1       1         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       1	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.0         1.05       0.84       1.0         1.24       1.09       0.0         1.00       0.00       0.0	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           20       1       20 A         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS-25B WALK-IN COOLER       22         1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER       26            28             30       30         1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SR07b - COMMERCIAL REFRIGERATOR       <	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:	20 A       1	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts: 480/2         Phases: 3         Wires: 4	277 Wye	1       20 A       SPARE	24 26 28 30
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31       33         33       SPARE         35       SPARE         39       SPARE         41       SPARE	20 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.50 0.36 0.36 0.00 0.18 0.00 0.00 0.00 0.00	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-3       14            12         0.06       0.06         14            16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       30 A       NEMA L6-30R - SERVER/RACK E202       20         0.75       0.36       1       20 A       RACK RECEPT - E205       24         1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60         30            30             30         0.00       0.00       1       20 A       SPARE       38         1       20 A       SPARE       38       38	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE	0.97         20 A       1       100         20 A       1       1.00         20 A       1       1.00         20 A       3       1         20 A       3       1         20 A       3       1         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       0.60         20 A       1       1.00         20 A       1       1.00         20 A       1       0.60         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       0.36         20 A       1       0.36         20 A       1       1.00	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.64       0.84       1.6         0.1.24       0.84       1.6         0.1.24       0.00       0.6         0.000       0.00       0.0         1.1.55       11.55       11.55	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18            18            20         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26A - WALK-IN COOLER       22         1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER       26            30       30         1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A </td <td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1</td> <td>20 A       1      </td> <td>0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A Volts: 480/2 Phases: 3 Wires: 4</td> <td>2277 Wye</td> <td>1       20 A       SPARE         1       20 A       SPARE</td> <td>24 26 28 30</td>	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A Volts: 480/2 Phases: 3 Wires: 4	2277 Wye	1       20 A       SPARE	24 26 28 30
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31          33       SPARE         35       SPARE         39       SPARE         41       SPARE         Notes:       Notes:	20 A       2       0         15 A       2       0         30 A       2       0           0         20 A       1       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.00 0.00 0.00 0.00 0.00 0.00 3.18 kVA 26.6 A	0.06 0.06 0.06 0.06 0.06 0.06 0.07 0.50 0.50 0.50 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1         8         2       15 A       CU-3 / AC-3       10         0.06       0.06            2       15 A       CU-8 / AC-3       14            12         2       15 A       CU-8 / AC-8       14            16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       30 A       NEMA L6-30R - SERVER/RACK E202       20         0.75       0.36       1       20 A       RACK RECEPT - E205       24         1       20 A       RACK RECEPT - SERVER/RACK E202       26       30         1.60       -       -       -       30         1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60       -       -       30         1       20 A       SPARE       38         0.00       0.00       1       20 A       SPARE       38 <tr< td=""><td>7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         11       0         13       0         15       0         16       17         19       -         21       0         22       21         4       23         6       25         20       7         21       0         22       23         33       5         33       5         33       5         33       5         33       5         33       5         33       5         39       5         2       41         Notes:       -</td><td>  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE</td><td>        0.97         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       3       1.00         20 A       3       1.00         20 A       1       0.60         20 A       1       0.60         20 A       1       1.00         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       1.5.7         Phase       13    </td><td>1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.64       0.84       1.6         1.64       0.84       1.6         1.24       1.09       0.6         0.00       0.00       0.0         1.1.24       0.00       0.0         1.1.24       1.09       0.6         0.000       0.00       0.0         11 kVA       11.55 kV/         0.5 A       96.2 A</td><td>4    </td><td>         8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           18       20            18           18       20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER       26            28       30         1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE<td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1</td><td>20 A       1      </td><td>0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A Volts: 480/2 Phases: 3 Wires: 4</td><td>0 0.00 0.00 0 0.00 0.00 2.92 kVA 10.6 A 277 Wye</td><td>1       20 A       SPARE         1       20 A       SPARE</td><td>24 26 28 30</td></td></tr<>	7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         11       0         13       0         15       0         16       17         19       -         21       0         22       21         4       23         6       25         20       7         21       0         22       23         33       5         33       5         33       5         33       5         33       5         33       5         33       5         39       5         2       41         Notes:       -	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE	0.97         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       3       1.00         20 A       3       1.00         20 A       1       0.60         20 A       1       0.60         20 A       1       1.00         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       1.5.7         Phase       13	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.64       0.84       1.6         1.64       0.84       1.6         1.24       1.09       0.6         0.00       0.00       0.0         1.1.24       0.00       0.0         1.1.24       1.09       0.6         0.000       0.00       0.0         11 kVA       11.55 kV/         0.5 A       96.2 A	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           18       20            18           18       20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER       26            28       30         1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE <td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1</td> <td>20 A       1      </td> <td>0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A Volts: 480/2 Phases: 3 Wires: 4</td> <td>0 0.00 0.00 0 0.00 0.00 2.92 kVA 10.6 A 277 Wye</td> <td>1       20 A       SPARE         1       20 A       SPARE</td> <td>24 26 28 30</td>	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1	20 A       1	0.00 0.00 0.00 0.00 0.00 0.00 VA 7.05 kVA A 26.4 A Volts: 480/2 Phases: 3 Wires: 4	0 0.00 0.00 0 0.00 0.00 2.92 kVA 10.6 A 277 Wye	1       20 A       SPARE	24 26 28 30
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31       33         33       SPARE         35       SPARE         39       SPARE         41       SPARE         Notes:	20 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0         Plase Load:       Phase	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.36 0.00 0.00 0.00 0.00 3.18 kVA 26.6 A	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.50 0.36 0.36 0.36 0.36 0.00 0.18 0.00 0.00 0.00 0.00 3.14 kVA 26.2 A	8         2       15 A       CU-3 / AC-3       10         0.06       0.06            12       2       15 A       CU-8 / AC-3       14            12       12         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       30 A       NEMA L6-30R - SERVER/RACK E202       20              22       20         0.75       0.36       1       20 A       RACK RECEPT - E205       24         1       20 A       RACK RECEPT - SERVER/RACK E202       26         1       1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60           30         1       20 A       SPARE       36       30         1       20 A       SPARE       38       38         1       20 A       SPARE	7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         11       0         13       0         15       0         17       -         19       -         21       0         22       21         19       -         21       0         22       23         23       0         24       23         25       0         27       0         29       F         31       F         33       5         33       5         39       5         24       1         Notes:	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE	0.97         20 A       1       1.00         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1            0.98         20 A       1          20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       15.7         Phase       13	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.04       0.84       1.6         1.05       0.84       1.6         1.04       0.84       1.6         1.09       0.6       0.00         0.000       0.00       0.0         1.1 KVA       11.55 KV/         0.5 A       96.2 A	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       16            18           18           18           18           20         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER       26            28             30       30         1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A	19         21       SPARE         23       SPARE         25       SPARE         27       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting: Surface         Enclosure: Type 1         CKT         Circuit Description	20 A       1       Image: state st	Volts: 480/2 Phases: 3 Wires: 4	0 0.00 0.00 0 0.00 0.00 2.92 kVA 10.6 A 277 Wye	1       20 A       SPARE         1       Bus Rating: 18 KAIC       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip	tion CKT
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31	20 A       2       0         15 A       2       0         20 A       1       0         Plase Load:       Phase       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.50 0.50 0.50 0.36 0.36 0.00 0.18 0.00 0.00 0.18 0.00 0.00 3.14 kVA 26.2 A	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-8       14            16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       20       22         0.75       0.36       1       20 A       RACK RECEPT - E205       24         1       20 A       SECURITY SYSTEM POWER - IDF E205       28       30         1.60          30         1       20 A       SPARE       36       30         1       20 A       SPARE       38       38         1       20 A       SPARE       40 <td>7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         19       -         19       -         19       -         19       -         21       0         22       21         23       0         25       0         29       F         31       F         33       S         35       S         37       S         39       S         24       15         Notes:       -</td> <td>  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE</td> <td>        0.97         20 A       1       100         20 A       1       1.00         20 A       3       1         20 A       3       1         20 A       1       1.00         20 A       3       1           0.98         20 A       1       1         20 A       1       0.60         20 A       1       0.60         20 A       1       1.00         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       13         Phase       13</td> <td>1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.64       0.84       1.6         1.24       1.09       0.6         1.24       0.00       0.0         1.24       0.00       0.0         1.24       1.09       0.6         0.1.24       1.09       0.6         1.00       0.00       0.0         1.1.84       1.09       0.6         1.00       0.00       0.0         1.1.84       1.05       1.0</td> <td>4      </td> <td>         8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18            20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER       26            28           1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1</td> <td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1         CKT         CKT       Circuit Description         1       LIGHTING</td> <td>20 A       1       Image: state st</td> <td>0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts: 480/2         Phases: 3       Wires: 4         Wires: 4       4</td> <td>2277 Wye</td> <td>1       20 A       SPARE         1       20 A       SPARE</td> <td>tion CKT 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 28 30 28 28 28 28 28 28 28 28 28 28 28 28 28</td>	7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         19       -         19       -         19       -         19       -         21       0         22       21         23       0         25       0         29       F         31       F         33       S         35       S         37       S         39       S         24       15         Notes:       -	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE	0.97         20 A       1       100         20 A       1       1.00         20 A       3       1         20 A       3       1         20 A       1       1.00         20 A       3       1           0.98         20 A       1       1         20 A       1       0.60         20 A       1       0.60         20 A       1       1.00         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       13         Phase       13	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.64       0.84       1.6         1.24       1.09       0.6         1.24       0.00       0.0         1.24       0.00       0.0         1.24       1.09       0.6         0.1.24       1.09       0.6         1.00       0.00       0.0         1.1.84       1.09       0.6         1.00       0.00       0.0         1.1.84       1.05       1.0	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18            20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER       26            28           1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1         CKT         CKT       Circuit Description         1       LIGHTING	20 A       1       Image: state st	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts: 480/2         Phases: 3       Wires: 4         Wires: 4       4	2277 Wye	1       20 A       SPARE	tion CKT 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 28 30 28 28 28 28 28 28 28 28 28 28 28 28 28
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31       33         33       SPARE         35       SPARE         39       SPARE         41       SPARE         Notes:	20 A       2       0         15 A       2       0         15 A       2       0         15 A       2       0         15 A       2       0         30 A       2       0           1         20 A       1       0         Plase Load:       Phase       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.00 0.36 0.36 0.00 0.00 0.00 0.00 3.14 kVA 26.2 A	8           2         15 A         CU-3 / AC-3         10           0.06         0.06           12           2         15 A         CU-8 / AC-3         10           0.06         0.06           12           2         15 A         CU-8 / AC-8         14              16           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         18           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         20               22         20              22         20         20              22         20         20         20         21         20 A         RACK RECEPT - SERVER/RACK E202         26         30           1         20 A         SECURITY SYSTEM POWER - IDF E205         28         30         30           1         20 A         SPARE         38         38         38         38         38 <t< td=""><td>7       9         9       -         11       0         13       0         15       0         17       -         19       -         11       0         13       0         15       0         19       -         21       0         22       21         10       23         23       0         24       23         25       0         26       27         31       F         33       5         33       5         33       5         339       5         21       0         22       41         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5</td><td>  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE</td><td>        0.97         20 A       1       100         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1          20 A       1       0.00         20 A       1       0.0</td><td>1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.30       0.2         1.05       0.30       0.2         1.04       0.84       1.6         1.04       0.84       1.6         1.09       0.6       0.00         1.00       0.00       0.0         0.000       0.00       0.0         11 KVA       11.55 KV/         0.5 A       96.2 A</td><td>4      </td><td>         8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           18       20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS26B WALK-IN COOLER       22         1       20 A       FS26B - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER       26            28            30       30       30         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1       20 A</td><td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1         CKT         CKT       Circuit Description         1       LIGHTING         3       STORAGE AND ELEC. ROOM LIGHTING</td><td>20 A       1      </td><td>0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts: 480/2         Phases: 3         Wires: 4         6.60       0.65         0.65       2.73</td><td>0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 kVA       10.6 A</td><td>1       20 A       SPARE         1       20 A       SPARE         ALLC. Rating: 18 KAIC       Bus Material: CU         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       IST FL CLASSROOM LIGI</td><td>tion CKT 22 28 30 28 30 28 30 28 30 2 4 4</td></t<>	7       9         9       -         11       0         13       0         15       0         17       -         19       -         11       0         13       0         15       0         19       -         21       0         22       21         10       23         23       0         24       23         25       0         26       27         31       F         33       5         33       5         33       5         339       5         21       0         22       41         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE	0.97         20 A       1       100         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1          20 A       1       0.00         20 A       1       0.0	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.30       0.2         1.05       0.30       0.2         1.04       0.84       1.6         1.04       0.84       1.6         1.09       0.6       0.00         1.00       0.00       0.0         0.000       0.00       0.0         11 KVA       11.55 KV/         0.5 A       96.2 A	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           18       20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS26B WALK-IN COOLER       22         1       20 A       FS26B - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER       26            28            30       30       30         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1       20 A	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1         CKT         CKT       Circuit Description         1       LIGHTING         3       STORAGE AND ELEC. ROOM LIGHTING	20 A       1	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts: 480/2         Phases: 3         Wires: 4         6.60       0.65         0.65       2.73	0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 kVA       10.6 A	1       20 A       SPARE         ALLC. Rating: 18 KAIC       Bus Material: CU         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       IST FL CLASSROOM LIGI	tion CKT 22 28 30 28 30 28 30 28 30 2 4 4
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31	20 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0         Plase Load:       Phase       0	0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.50 0.36 0.36 0.36 0.36 0.36 0.00 0.00 0.00 0.00 3.18 kVA 26.6 A	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.50 0.36 0.36 0.36 0.36 0.00 0.18 0.00 0.00 3.14 kVA 26.2 A	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-8       14            16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         2       30 A       NEMA L6-30R - SERVER/RACK E202       18             22         0.75       0.36       1       20 A       RACK RECEPT - E205       24         1       20 A       RACK RECEPT - SERVER/RACK E202       26         1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60          30         1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60         30         1       20 A       SPARE       36         1       20 A       SPARE       38         1       20 A       SPARE       38         1       20 A       SPARE       40         0.00       0.	7       9         9       -         11       0         13       0         15       0         17       -         19       -         11       0         13       0         15       0         17       -         19       -         19       -         21       0         22       21         23       0         25       0         29       F         31       F         335       5         37       5         37       5         37       5         39       5         22       41         Notes:       -	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE	0.97         20 A       1       100         20 A       1       1.00         20 A       3       1         20 A       3       1         20 A       3       1         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       0.60         20 A       1       0.60         20 A       1       1.00         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       1.3         Phase       13	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.04       0.84       1.6         1.24       1.09       0.6         1.24       0.00       0.0         1.24       1.09       0.6         1.1.24       1.09       0.6         1.00       0.00       0.0         1.1.84       1.05       96.2	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           18            20       1         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER       26            28        27         1       20 A       FS26B - WALK-IN FREEZER       32       30         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1         CKT         CKT       Circuit Description         1       LIGHTING         3       STORAGE AND ELEC. ROOM LIGHTING         5       1ST FL CLASSROOM LIGHTING	20 A       1	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts: 480/2         Phases: 3         Wires: 4         6.60       0.65         0.65       2.73         1.42       1.42	0       0.00       0.00         0       0.00       0.00         2.92 kVA       10.6 A	1       20 A       SPARE         ALIC. Rating: 18 KAIC       Bus Material: CU         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       NURSE AND COUNSELOI         1       20 A       MEOLINTEONICOLUSTION	tion CKT 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 30 28 28 30 28 28 30 28 28 28 28 28 28 28 28 28 28 28 28 28
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31       33         33       SPARE         35       SPARE         39       SPARE         41       SPARE         Notes:	20 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0         Phase Load:       Phase       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.36 0.00 0.00 3.18 kVA 26.6 A	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.00 0.36 0.36 0.00 0.00 0.00 0.00 0.00 0.00 3.14 kVA 26.2 A	8         2       15 A       CU-3 / AC-3       10         0.06       0.06          12         2       15 A       CU-8 / AC-8       14            12         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       30 A       NEMA L6-30R - SERVER/RACK E202       20         0.75       0.36       1       20 A       RACK RECEPT - E205       24         1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60         30          1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60         30       30          1       20 A       SPARE       36         1       20 A       SPARE       38       32         0.00       0.00       1       20 A       SPARE       40         0.00	7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         11       0         13       0         15       0         17       -         19       -         21       0         22       10         23       0         24       23         25       0         27       0         29       F         31       F         33       5         33       5         33       5         33       5         339       5         24       1         Notes:       -	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE	0.97         20 A       1       100         20 A       1       1.00         20 A       3            0.98         20 A       1       1         20 A       1       1         20 A       1       0.98         20 A       1       0.98         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       15.7         Phase       13         13       13	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.05       0.84       1.6         1.09       0.6       0.00         1.00       0.00       0.0         0.000       0.00       0.0         11 KVA       11.55 KV/         0.5 A       96.2 A	14	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       16            18       16            18       16            18       20         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26- WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26            28        28            30       30       31       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38       38       31       20 A       SPARE       40         1       20 A       SPARE       42       42       42	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting: Surface         Enclosure: Type 1         CKT         CKT       Circuit Description         1       LIGHTING         3       STORAGE AND ELEC. ROOM LIGHTING         5       1ST FL CLASSROOM LIGHTING         7       SPARE         9       ADMIN APEAL ICHTINC	20 A       1	Volts: 480/2 Phases: 3 Wires: 4 6.60 0.05 2.73 1.43 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 kVA       10.6 A	1       20 A       SPARE         ALLC. Rating: 18 KAIC       Bus Material: CU         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       NURSE AND COUNSELOI         1       20 A       MECHATRONICS LIGHTING         1       20 A       LIGHTING	tion CKT 24 26 28 30 4 CKT 2 HTING 4 R AREA 6 NG 8
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31          33       SPARE         35       SPARE         39       SPARE         41       SPARE         Notes:	20 A       2       0         15 A       2       0         20 A       1       0         Plase Load:       Phase       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.36 0.00 0.00 3.18 kVA 26.6 A	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.50 0.36 0.36 0.00 0.18 0.00 0.00 3.14 kVA 26.2 A	8         2       15 A       CU-3 / AC-3       10         0.06       0.06            12       2       15 A       CU-8 / AC-8       14             12         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       30 A       NEMA L6-30R - SERVER/RACK E202       20              22       20       20             22       20       20       20       20              22       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20       20	7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         19       -         19       -         21       0         23       0         24       23         25       0         29       F         31       F         33       5         35       5         37       5         39       5         21       0         29       F         31       F         33       5         39       5         21       0         22       41         Notes:       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       - <td>  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE</td> <td>        0.97         20 A       1       1         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1          20 A       1          20 A       1       0.60         20 A       1       0.60         20 A       1       0.60         20 A       1       1.80         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       13         Phase       13        </td> <td>1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.04       0.84       1.6         1.24       1.09       0.6         1.24       0.00       0.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       1.0       1.0      <t< td=""><td>4      </td><td>         8           10       10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16           18        120         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26            28           28       30       30         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1       20 A       SPARE       42</td><td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Notes:         Location: ELEC D120         Supply From: MSB-2         Mounting: Surface         Enclosure: Type 1         CKT         Circuit Description         1       LIGHTING         3       STORAGE AND ELEC. ROOM LIGHTING         5       1ST FL CLASSROOM LIGHTING         7       SPARE         9       ADMIN AREA LIGHTING         11       1ST FL CLASSROOM LIGHTING</td><td>20 A       1       I         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       I       I         20 A       1       I       I       I       I         Plase Load:       4.63 K       I       I       I       I         Phase       17.7       I       I       I       I       I         I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I</td><td>0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       0.65         0.65       2.73         1.43       3.36         1.43       1.59</td><td>0       0.00       0.00         0       0.00       0.00         2.92 kVA       10.6 A</td><td>1       20 A       SPARE         1       20 A       SPARE         ALIC. Rating: 18 KAIC       Bus Material: CU         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       NURSE AND COUNSELOI         1       20 A       MECHATRONICS LIGHTIN         1       20 A       LIGHTING         1       20 A       STAIR 1 2 AND 3 LIGHTIN</td><td>tion CKT 24 26 28 30 4 CKT 2 HTING 4 R AREA 6 NG 8 10 NG 12</td></t<></td>	  CA24B - WALK-IN COOLER CA25 - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a -REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE	0.97         20 A       1       1         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1          20 A       1          20 A       1       0.60         20 A       1       0.60         20 A       1       0.60         20 A       1       1.80         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       13         Phase       13	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.04       0.84       1.6         1.24       1.09       0.6         1.24       0.00       0.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       0.6       1.0         1.109       1.0       1.0 <t< td=""><td>4      </td><td>         8           10       10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16           18        120         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26            28           28       30       30         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1       20 A       SPARE       42</td><td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Notes:         Location: ELEC D120         Supply From: MSB-2         Mounting: Surface         Enclosure: Type 1         CKT         Circuit Description         1       LIGHTING         3       STORAGE AND ELEC. ROOM LIGHTING         5       1ST FL CLASSROOM LIGHTING         7       SPARE         9       ADMIN AREA LIGHTING         11       1ST FL CLASSROOM LIGHTING</td><td>20 A       1       I         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       I       I         20 A       1       I       I       I       I         Plase Load:       4.63 K       I       I       I       I         Phase       17.7       I       I       I       I       I         I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I</td><td>0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       0.65         0.65       2.73         1.43       3.36         1.43       1.59</td><td>0       0.00       0.00         0       0.00       0.00         2.92 kVA       10.6 A</td><td>1       20 A       SPARE         1       20 A       SPARE         ALIC. Rating: 18 KAIC       Bus Material: CU         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       NURSE AND COUNSELOI         1       20 A       MECHATRONICS LIGHTIN         1       20 A       LIGHTING         1       20 A       STAIR 1 2 AND 3 LIGHTIN</td><td>tion CKT 24 26 28 30 4 CKT 2 HTING 4 R AREA 6 NG 8 10 NG 12</td></t<>	4	8           10       10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16           18        120         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26            28           28       30       30         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1       20 A       SPARE       42	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Notes:         Location: ELEC D120         Supply From: MSB-2         Mounting: Surface         Enclosure: Type 1         CKT         Circuit Description         1       LIGHTING         3       STORAGE AND ELEC. ROOM LIGHTING         5       1ST FL CLASSROOM LIGHTING         7       SPARE         9       ADMIN AREA LIGHTING         11       1ST FL CLASSROOM LIGHTING	20 A       1       I         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       I       I         20 A       1       I       I       I       I         Plase Load:       4.63 K       I       I       I       I         Phase       17.7       I       I       I       I       I         I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       0.65         0.65       2.73         1.43       3.36         1.43       1.59	0       0.00       0.00         0       0.00       0.00         2.92 kVA       10.6 A	1       20 A       SPARE         ALIC. Rating: 18 KAIC       Bus Material: CU         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       NURSE AND COUNSELOI         1       20 A       MECHATRONICS LIGHTIN         1       20 A       LIGHTING         1       20 A       STAIR 1 2 AND 3 LIGHTIN	tion CKT 24 26 28 30 4 CKT 2 HTING 4 R AREA 6 NG 8 10 NG 12
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31       33         33       SPARE         35       SPARE         39       SPARE         41       SPARE         Notes:	20 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0         Phase Load:       Phase       0         SET C128       SET C128       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.36 0.36 0.00 0.00 3.18 kVA 26.6 A	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.50 0.36 0.36 0.00 0.18 0.00 0.00 3.14 kVA 26.2 A Volts: 120/20 hases: 3	Image: Second	7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         11       0         13       0         15       0         19       -         21       0         23       0         24       23         25       0         27       0         29       F         31       F         33       5         33       5         33       5         33       5         33       5         33       5         33       5         33       5         39       5         10       -         11       -         11       -         11       -         11       -         11       -         12       -         13       -         14	  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE CA25B - WALK-IN FREEZER CA25B - WALK-IN FREEZER SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPA	0.97         20 A       1       100         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1          20 A       1       0.00         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       15.7         Phase       13	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.04       0.84       1.6         1.24       0.00       0.6         0.000       0.00       0.0         1.1 kVA       11.55 kV/         0.5 A       96.2 A	14	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25 - WALK-IN COOLER       16            18           18           18           18           20         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26            28       22         1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       36         1       20 A       SPARE       38       38         1       20 A       SPARE       40         1       20 A	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:         Image: Second S	20 A       1	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       0.65         0.65       2.73         1.43       3.36         1.43       1.59         0.40       0.40	0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 KVA       10.6 A	1       20 A       SPARE         ALIC. Rating: 18 KAIC       Bus Material: CU         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       IST FL CLASSROOM LIGI         1       20 A       MECHATRONICS LIGHTIN         1       20 A       LIGHTING         1       20 A       STAIR 1, 2 AND 3 LIGHTIN         1       20 A       VESTIBULE LIGHTING	tion CKT 2 4 26 28 30 30 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 10 10 12 14
9          11       CU-4 / AC-4         13          15       CU-11 / AC-11         17          19       NEMA L6-30R - SERVER/RACK E202         21          23       UH-10 TO UH-14, UH- 25 TO UH-29         25       RACK RECEPT - IDF E205         27       RACK RECEPT - SERVER/RACK E202         29       ELEVATOR CONTROLLER POWER         31          33       SPARE         35       SPARE         39       SPARE         41       SPARE         41       SPARE         Notes:	20 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0         Plase Load:       Phase       0         SET C128       SET C128       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.00 0.00 3.18 kVA 26.6 A	0.06 0.06 0.06 0.06 0.06 0.06 0.50 0.50 0.36 0.36 0.00 0.18 0.00 0.00 3.14 kVA 26.2 A Volts: 120/20 hases: 3 Wires: 4	Image: Second	7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         19       -         21       0         23       0         24       23         25       0         29       F         31       F         33       5         37       5         39       5         20       41         Notes:       -	  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE CA25B - WALK-IN FREEZER CA25B - WALK-IN FREEZER SUDER - WALK-IN FREEZER CA25B	0.97         20 A       1       1         20 A       1       1.00         20 A       3            0.98         20 A       1       1         20 A       1       1         20 A       1       1         20 A       1       1         20 A       1       0.60         20 A       1       0.60         20 A       1       1         20 A       1       0.36         20 A       1       1         13       1       1         13       1       1         14       1       1         15.7       1       1         16       1	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.64       0.84       1.6         1.24       1.09       0.6         0.1.24       0.00       0.0         1.1.24       0.00       0.0         1.1.24       0.00       0.0         0.1.24       0.00       0.0         1.1.55       Volts:       480         Volts:       480         Phases:       3         Wires:       4	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25 - WALK-IN COOLER       16            18           12       10         1       20 A       FS25 - WALK-IN COOLER       16            18           120       1       20 A         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26            28          -1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       36         1       20 A       SPARE       38       1         1       20 A       SPARE       40       42	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         29       SPARE         Notes:         Image: Spare Sector	20 A       1       I         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       I       I         20 A       1       I       I       I         20 A       1       I       I       I         20 A       1       I       I       I         Plase Load:       4.63 k       I       I       I         Phase       17.7       I       I       I       I         V       I       I       I       I       I       I       I       I       I         I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       0.65         0.65       2.73         1.43       -         3.36       1.59         0.40       0.35	0       0.00       0.00         0       0.00       0.00         2.92 kVA       0.00         10.6 A       0.00         2.92 kVA       0.00         10.5 A       0.00         2.92 kVA       0.00         3.10       0.00         3.10       0.00	1       20 A       SPARE         ALIC. Rating: 18 KAIC       Bus Material: CU         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       NURSE AND COUNSELOI         1       20 A       MECHATRONICS LIGHTIN         1       20 A       STAIR 1, 2 AND 3 LIGHTIN         1       20 A       STAIR 1, 2 AND 3 LIGHTING         1       20 A       SITE LIGHTING CIRCUIT 3	tion CKT 28 30 28 30 4 CKT 2 HTING 4 R AREA 6 NG 8 10 NG 12 14 3 16
9 11 CU-4 / AC-4 13 15 CU-11 / AC-11 17 19 NEMA L6-30R - SERVER/RACK E202 21 23 UH-10 TO UH-14, UH- 25 TO UH-29 25 RACK RECEPT - IDF E205 27 RACK RECEPT - SERVER/RACK E202 29 ELEVATOR CONTROLLER POWER 31 33 SPARE 35 SPARE 37 SPARE 39 SPARE 41 SPARE 41 SPARE Notes:	20 A       2       0         15 A       2       0         20 A       1       0         Plase Load:       Phase       0         SET C128       SET C128       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.00 0.00 3.18 kVA 26.6 A P	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.00 0.36 0.36 0.00 0.00 0.00 0.00 3.14 kVA 26.2 A Volts: 120/20 hases: 3 Wires: 4	8         2       15 A       CU-3 / AC-3       10         0.06       0.06            2       15 A       CU-8 / AC-3       10         0.06       0.06          12         0       2       15 A       CU-8 / AC-8       14         0          16         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       30 A       NEMA L6-30R - SERVER/RACK E202       20         0.75       0.36       1       20 A       RACK RECEPT - SERVER/RACK E202       26         1       1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60          30         1       20 A       SPARE       38       30         1       20 A       SPARE       38       30         0.00       0.00       1       20 A       SPARE       40	7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         11       0         13       0         14       13         15       0         21       0         22       1         19       -         21       0         23       0         24       23         25       0         26       27         31       F         33       5         39       5         39       5         24       1         Notes:       -         -       -          -       -	  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPA	0.97 $20 A$ 1       100 $20 A$ 1       1.00 $20 A$ 3 $$ 0.98 $20 A$ 1       1 $20 A$ 1       1 $20 A$ 1       1 $20 A$ 1       0.98 $20 A$ 1       0.60 $20 A$ 1       0.36 $20 A$ 1       0.36 $20 A$ 1       0.36 $20 A$ 1       1         Plase Load:       15.7         Phase       13 $A$ 1 $A$ 1 $A$ 1 $A$ 1 $A$ 1 <tr< td=""><td>1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.05       0.84       1.6         1.09       0.6       0.00       0.0         1.14       1.09       0.6       0.00       0.0         0.000       0.00       0.00       0.0       0.0         11       KVA       11.55 kVJ       96.2 A         Volts:       480       Phases: 3       3         Wires:       4       4       4</td><td>4      </td><td>         8           10       10         1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       16            18           18       20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS25A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26            28             30       1         1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       36         1       20 A       SPARE       40         1       20 A       SPARE       40         1       20 A       SPARE&lt;</td><td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:      </td><td>20 A       1       I         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       I       I         20 A       1       I       I       I         20 A       1       I       I       I         20 A       1       I       I       I         Plase Load:       4.63 K       I       I       I         Phase       17.7       I       I       I       I         I       I       I       I       I       I       I         I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I</td><td>0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Phases:       3         Wires:       4         6.60       2.73         1.43       3.36       1.59         0.40       0.35       0.40</td><td>0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 KVA       10.5 A         10.0       0.00         2.92 KVA       10.5 A</td><td>1       20 A       SPARE         1       20 A       SPARE         ALI.C. Rating: 18 KAIC       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       IST FL CLASSROOM LIGI         1       20 A       NURSE AND COUNSELOI         1       20 A       MECHATRONICS LIGHTIN         1       20 A       STAIR 1, 2 AND 3 LIGHTIN         1       20 A       SITE LIGHTING CIRCUIT 3         1       20 A       SITE LIGHTING CIRCUIT 3</td><td>tion CKT 2 4 26 28 30 30 4 RAREA 6 NG 4 RAREA 6 NG 8 10 NG 12 14 3 16 7 18</td></tr<>	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.05       0.84       1.6         1.09       0.6       0.00       0.0         1.14       1.09       0.6       0.00       0.0         0.000       0.00       0.00       0.0       0.0         11       KVA       11.55 kVJ       96.2 A         Volts:       480       Phases: 3       3         Wires:       4       4       4	4	8           10       10         1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER LIGHTS,       16            18           18       20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS25A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26            28             30       1         1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       36         1       20 A       SPARE       40         1       20 A       SPARE       40         1       20 A       SPARE<	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:	20 A       1       I         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       I       I         20 A       1       I       I       I         20 A       1       I       I       I         20 A       1       I       I       I         Plase Load:       4.63 K       I       I       I         Phase       17.7       I       I       I       I         I       I       I       I       I       I       I         I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Phases:       3         Wires:       4         6.60       2.73         1.43       3.36       1.59         0.40       0.35       0.40	0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 KVA       10.5 A         10.0       0.00         2.92 KVA       10.5 A	1       20 A       SPARE         ALI.C. Rating: 18 KAIC       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       IST FL CLASSROOM LIGI         1       20 A       NURSE AND COUNSELOI         1       20 A       MECHATRONICS LIGHTIN         1       20 A       STAIR 1, 2 AND 3 LIGHTIN         1       20 A       SITE LIGHTING CIRCUIT 3         1       20 A       SITE LIGHTING CIRCUIT 3	tion CKT 2 4 26 28 30 30 4 RAREA 6 NG 4 RAREA 6 NG 8 10 NG 12 14 3 16 7 18
9 11 CU-4 / AC-4 13 15 CU-11 / AC-11 17 19 NEMA L6-30R - SERVER/RACK E202 21 23 UH-10 TO UH-14, UH- 25 TO UH-29 25 RACK RECEPT - IDF E205 27 RACK RECEPT - SERVER/RACK E202 29 ELEVATOR CONTROLLER POWER 31 33 SPARE 35 SPARE 37 SPARE 39 SPARE 41 SPARE 41 SPARE Notes:  Branch Panel: EP4-1 Location: ELEC CLO Supply From: EP5-1 Mounting: Surface Enclosure: Type 1	20 A       2       0         15 A       2       0         15 A       2       0         15 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0         Plase Load:       Phase       0         SET C128       SET C128       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.00 0.00 0.00 0.00 3.18 kVA 26.6 A ■	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.50 0.36 0.36 0.00 0.00 0.00 0.00 3.14 kVA 26.2 A Volts: 120/20 hases: 3 Wires: 4	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-3       10         0.06       0.07       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22         0.75       0.36       1       20 A       RACK RECEPT - E205       24         1       20 A       RACK RECEPT - SERVER/RACK E202       26         1       1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60          30         1       20 A       SPARE       38       30         1       20 A       SPARE       38       36         1       20 A       SPARE       40       40         0.00       0.00       1       20 A       SPARE       1         4.17 kVA       SPARE <td>1       1         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         19       -         19       -         21       0         23       0         24       23         25       0         29       F         31       F         33       5         35       5         37       5         39       5         20       41         Notes:       -</td> <td>  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SP</td> <td>        0.97         20 A       1       100         20 A       1       1.00         20 A       3            0.98         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       13         Plase Load:       15.7         Phase       13</td> <td>1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.84       1.6         1.02       0.84       1.6         1.24       1.09       0.6         0.000       0.00       0.0         1.1 kVA       11.55 kV/         0.5 A       96.2 A         Volts: 480         Phases: 3         Wires: 4</td> <td>4      </td> <td>         8           10       10         1       20 A       FS25 - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           18           18           18           18           18           20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS26B - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER       26            30       1         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38       38         1       20 A       SPARE       40       42               </td> <td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:      </td> <td>20 A       1       I         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       I       I         20 A       1       I       I         20 A       1       I       I       I         20 A       1       I       I       I         20 A       1       I       I       I         Plase Load:       4.63 K       I       I       I         Phase       17.7       I       I       I       I         Via I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       &lt;</td> <td>0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       2.73         1.43       3.36       1.59         0.40       0.35       0.40         0.60       0.35       0.40</td> <td>0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 KVA       10.5         10.5       10.5</td> <td>1       20 A       SPARE         1       20 A       Italian         1       20 A       Lighting         1       20 A       Italian         1       20 A       Italian         1       20 A       MECHATRONICS LIGHTING         1       20 A       STAIR 1, 2 AND 3 LIGHTING         1       20 A       SITE LIGHTING CIRCUIT 3         1       20 A       SITE LIGHTING CIRCUIT 3         1       20 A       BUILDING MOUNTED LIG</td> <td>tion CKT 28 30 tion CKT 2 HTING 4 R AREA 6 NG 8 10 NG 12 14 3 16 7 18 HTING 20</td>	1       1         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         19       -         19       -         21       0         23       0         24       23         25       0         29       F         31       F         33       5         35       5         37       5         39       5         20       41         Notes:       -	  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SP	0.97         20 A       1       100         20 A       1       1.00         20 A       3            0.98         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       13         Plase Load:       15.7         Phase       13	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.84       1.6         1.02       0.84       1.6         1.24       1.09       0.6         0.000       0.00       0.0         1.1 kVA       11.55 kV/         0.5 A       96.2 A         Volts: 480         Phases: 3         Wires: 4	4	8           10       10         1       20 A       FS25 - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           18           18           18           18           18           20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS26B - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER       26            30       1         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38       38         1       20 A       SPARE       40       42	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         Notes:	20 A       1       I         20 A       1       0.00       1         20 A       1       0.00       1         20 A       1       I       I         20 A       1       I       I         20 A       1       I       I       I         20 A       1       I       I       I         20 A       1       I       I       I         Plase Load:       4.63 K       I       I       I         Phase       17.7       I       I       I       I         Via I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       <	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       2.73         1.43       3.36       1.59         0.40       0.35       0.40         0.60       0.35       0.40	0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 KVA       10.5         10.5       10.5	1       20 A       SPARE         1       20 A       Italian         1       20 A       Lighting         1       20 A       Italian         1       20 A       Italian         1       20 A       MECHATRONICS LIGHTING         1       20 A       STAIR 1, 2 AND 3 LIGHTING         1       20 A       SITE LIGHTING CIRCUIT 3         1       20 A       SITE LIGHTING CIRCUIT 3         1       20 A       BUILDING MOUNTED LIG	tion CKT 28 30 tion CKT 2 HTING 4 R AREA 6 NG 8 10 NG 12 14 3 16 7 18 HTING 20
9 11 CU-4 / AC-4 13 15 CU-11 / AC-11 17 19 NEMA L6-30R - SERVER/RACK E202 21 23 UH-10 TO UH-14, UH- 25 TO UH-29 25 RACK RECEPT - IDF E205 27 RACK RECEPT - SERVER/RACK E202 29 ELEVATOR CONTROLLER POWER 31 33 SPARE 35 SPARE 37 SPARE 39 SPARE 41 SPARE Notes:    Branch Panel: EP4-' Location: ELEC CLO Supply From: EP5-1 Mounting: Surface Enclosure: Type 1	20 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0         Plase Load:       Phase       0         SET C128       SET C128       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.00 0.00 0.00 0.00 3.18 kVA 26.6 A 26.6 A	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.00 0.36 0.36 0.00 0.00 0.00 0.00 3.14 kVA 26.2 A Volts: 120/20 hases: 3 Wires: 4	8         2       15 A       CU-3 / AC-3       10         0.06       0.06         12         2       15 A       CU-8 / AC-8       14            12         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       18         0.06       0.72       1       20 A       RECEPT - SERVER/RACK E202       20             22       30 A       NEMA L6-30R - SERVER/RACK E202       20         0.75       0.36       1       20 A       RACK RECEPT - E205       24         1       20 A       RACK RECEPT - SERVER/RACK E202       26         1       1       20 A       SECURITY SYSTEM POWER - IDF E205       28         1.60          30         1       20 A       SPARE       38       30         1       20 A       SPARE       38       36         1       20 A       SPARE       1       42         4.17 KVA       Image: Security Stream Securit	7       9         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         19       -         21       0         22       11         13       0         24       23         25       0         27       0         29       F         31       F         33       5         37       5         39       5         29       F         31       F         339       5         29       F         39       5         20       41         Notes:       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       - </td <td>  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE Cocation: ELEC E137 Supply From: DSB-1 Mounting: Surface Enclosure: Type 1</td> <td>        0.97         20 A       1       100         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1          20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       13         Phase       13         7       7         7       7         7       7         8       7         9       7         9       7         9       7</td> <td>1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.05       0.84       1.6         0.1.24       0.00       0.6         0.000       0.00       0.0         1.1 kVA       11.55 kV/         0.5 A       96.2 A         9hases: 3       3         Wires: 4       4</td> <td>4      </td> <td>         8           10       10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           20       1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22       20       1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26         28             30       1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34       1       20 A       SR07b - COMMERCIAL REFRIGERATOR       36         1       20 A       SPARE       38       1       20 A       SPARE       40         1       20 A       SPARE       42       42       42       42          CU&lt;</td> <td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         29       SPARE         Notes:         Image: Separe Separe</td> <td>20 A       1      </td> <td>0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       2.73         1.43       3.36       1.59         0.40       0.35       0.40         0.60       0.00       0.00</td> <td>0       0.00       0.00         0       0.00       0.00         2.92 KVA       0.00         10.6 A       10.5         2.92 KVA       10.5         10.5 A       2.92         2.92 KVA       10.5         3.10 0.68       3.26         3.10 0.68       3.10         0.78 0.75       0.75         0.78 0.75       3.10</td> <td>1       20 A       SPARE         1       Bus Rating: 18 KAIC         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       IST FL CLASSROOM LIGI         1       20 A       MECHATRONICS LIGHTIN         1       20 A       MECHATRONICS LIGHTING         1       20 A       STAIR 1, 2 AND 3 LIGHTING         1       20 A       SITE LIGHTING CIRCUIT 3         1       20 A       SITE LIGHTING CIRCUIT 3         1       20 A       SPARE&lt;</td> <td>tion CKT 2 4 26 28 30 30 4 7 11 14 3 16 7 18 HTING 20 22 4</td>	  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE Cocation: ELEC E137 Supply From: DSB-1 Mounting: Surface Enclosure: Type 1	0.97         20 A       1       100         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1          20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       0.36         20 A       1       13         Phase       13         7       7         7       7         7       7         8       7         9       7         9       7         9       7	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.05       0.84       1.6         0.1.24       0.00       0.6         0.000       0.00       0.0         1.1 kVA       11.55 kV/         0.5 A       96.2 A         9hases: 3       3         Wires: 4       4	4	8           10       10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18           20       1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22       20       1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       26         28             30       1       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34       1       20 A       SR07b - COMMERCIAL REFRIGERATOR       36         1       20 A       SPARE       38       1       20 A       SPARE       40         1       20 A       SPARE       42       42       42       42          CU<	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         29       SPARE         Notes:         Image: Separe	20 A       1	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       2.73         1.43       3.36       1.59         0.40       0.35       0.40         0.60       0.00       0.00	0       0.00       0.00         0       0.00       0.00         2.92 KVA       0.00         10.6 A       10.5         2.92 KVA       10.5         10.5 A       2.92         2.92 KVA       10.5         3.10 0.68       3.26         3.10 0.68       3.10         0.78 0.75       0.75         0.78 0.75       3.10	1       20 A       SPARE         1       Bus Rating: 18 KAIC         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       IST FL CLASSROOM LIGI         1       20 A       MECHATRONICS LIGHTIN         1       20 A       MECHATRONICS LIGHTING         1       20 A       STAIR 1, 2 AND 3 LIGHTING         1       20 A       SITE LIGHTING CIRCUIT 3         1       20 A       SITE LIGHTING CIRCUIT 3         1       20 A       SPARE<	tion CKT 2 4 26 28 30 30 4 7 11 14 3 16 7 18 HTING 20 22 4
9 11 CU-4 / AC-4 13 15 CU-11 / AC-11 17 19 NEMA L6-30R - SERVER/RACK E202 21 23 UH-10 TO UH-14, UH- 25 TO UH-29 25 RACK RECEPT - IDF E205 27 RACK RECEPT - SERVER/RACK E202 29 ELEVATOR CONTROLLER POWER 31 33 SPARE 35 SPARE 39 SPARE 41 SPARE Notes:    Branch Panel: EP4-' Location: ELEC CLO Supply From: EP5-1 Mounting: Surface Enclosure: Type 1  CKT Circuit Description	20 A       2       0         15 A       2       0         15 A       2       0         15 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0         Phase Load:       Phase       0         SET C128       SET C128       0	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.00 0.00 3.18 kVA 26.6 A P	0.06 0.06 0.06 0.06 0.06 0.06 0.50 0.50 0.36 0.36 0.00 0.00 0.00 0.00 3.14 kVA 26.2 A Volts: 120/20 hases: 3 Wires: 4	8           2         15 A         CU-3 / AC-3         10           0.06         0.06           12           2         15 A         CU-8 / AC-3         14              12           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         18           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         20               22         30 A         NEMA L6-30R - SERVER/RACK E202         20               22         20.75         0.36         1         20 A         RACK RECEPT - SERVER/RACK E202         26           1         1         20 A         RECURITY SYSTEM POWER - IDF E205         28           1.60            30           1         20 A         SPARE         38         30           1         20 A         SPARE         38         30           0.00         1         20 A         SPARE         40           0.00	7       -         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         11       0         13       0         15       0         21       0         23       0         24       23         25       0         26       27         27       0         29       F         31       F         33       5         35       5         37       5         39       5         20       41         Notes:       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -	  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE Circuit Description	0.97         20 A       1         20 A       1         20 A       1         20 A       3             0.97          20 A       1         20 A       3          0.98         20 A       1         130       13         Phase       13         13       13         14       Poles	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.84       1.6         1.02       0.84       1.6         1.24       0       0.00         1.09       0.6       0.00         0.00       0.00       0.0         11 kVA       11.55 kV/         0.5 A       96.2 A         Volts: 480         Phases: 3         Wires: 4	4	8           10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25 - WALK-IN COOLER       16           18       11       20 A           18       22       1       20 A         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER       32            30       1       20 A         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       36         1       20 A       SPARE       38       38         1       20 A       SPARE       40         1       20 A       SPARE       42         Holes         ALI.C. Rating: 35 KAIC	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         29       SPARE         Notes:         Image: Separe	20 A       1	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       2.73         1.43       2         1.43       3.36         1.43       1.59         0.40       0.35       0.40         0.60       0.00       0.00	0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 $\vee \vee A$ 10.5         10.00       0.00         2.92 $\vee \vee A$ 10.5         10.00       0.00         2.92 $\vee \vee A$ 10.5         2.93 $\vee A$ 10.5         2.94 $\vee A$ 10.5         2.95 $\vee A$ 10.5         3.10       0.68         3.10       0.68         3.10       0.68         0.78       0.75         0.000       0.000	1       20 A       SPARE         1       Bus Rating: 18 KAIC         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB         Poles       Trip         Circuit Descrip         1       20 A         LIGHTING         1       20 A         IGHTING         1       20 A         MECHATRONICS LIGHTIN         1       20 A         SITE LIGHTING CIRCUIT         1       20 A         SITE LIGHTING CIRCUIT         1       20 A         SITE LIGHTING CIRCUIT         1       20 A <tr< td=""><td>tion CKT 28 30 28 30 4 CKT 2 HTING 4 R AREA 6 NG 8 10 NG 12 14 3 16 7 18 HTING 20 22 24</td></tr<>	tion CKT 28 30 28 30 4 CKT 2 HTING 4 R AREA 6 NG 8 10 NG 12 14 3 16 7 18 HTING 20 22 24
9 11 CU-4 / AC-4 13 15 CU-11 / AC-11 17 19 NEMA L6-30R - SERVER/RACK E202 21 23 UH-10 TO UH-14, UH- 25 TO UH-29 25 RACK RECEPT - IDF E205 27 RACK RECEPT - SERVER/RACK E202 29 ELEVATOR CONTROLLER POWER 31 33 SPARE 35 SPARE 37 SPARE 39 SPARE 41 SPARE Notes:	20 A       2       0         15 A       2       0         20 A       1       0         Plase Load:       Phase       0         SET C128       0       0         20 A       1       0         30       1	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.00 0.50 0.36 0.36 0.00 0.18 0.00 0.18 0.00 0.00 3.14 kVA 26.2 A Volts: 120/20 hases: 3 Wires: 4	8           2         15 A         CU-3 / AC-3         10           0.06         0.06           12           2         15 A         CU-8 / AC-3         10           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         18           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         16           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         20               22         30 A         NEMA L6-30R - SERVER/RACK E202         20           0.75         0.36         1         20 A         RACK RECEPT - SERVER/RACK E202         26           1         1         20 A         RECURITY SYSTEM POWER - IDF E205         28           1.60             30           1         20 A         SPARE         38         30         1         20 A         SPARE         38           1         20 A         SPARE         1         42         4.17 kVA         34.8 A	7       -         9       -         11       0         13       0         15       0         15       0         17       -         19       -         19       -         19       -         19       -         21       0         23       0         24       23         25       0         29       F         31       F         33       5         35       5         37       5         39       5         21       0         29       F         31       F         33       5         37       5         39       5         39       5         1       F         Notes:       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       - <td>  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE Circuit Description HVAC E120 LIGHTING</td> <td>        0.97         20 A       1       1         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1          20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       13         Phase       13         Trip Poles      </td> <td>1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.30       0.2         1.05       0.84       1.6         1.04       0.84       1.6         1.05       0.00       0.0         1.109       0.6       0.00         1.109       0.6       0.00         0.05       0.00       0.0         11       KVA       11.55 KV/         0.5       96.2 A         Volts:       480         Phases:       3         Wires:       4</td> <td>4      </td> <td>         8            10         1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18            20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER LIGHTS,       26            28        30         1       20 A       FS26B - WALK-IN FREEZER       32       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       36         1       20 A       SPARE       38       31       20 A         1       20 A       SPARE       40       42        </td> <td>19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         29       SPARE         Notes:         Image: Separe Separe</td> <td>20 A       1      </td> <td>0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       2.73         1.43       2         1.43       3.36       1.59         0.40       0.35       0.40         0.60       0.00       0.00         0.00       0.00       0.00</td> <td>0       0.00       0.00         0       0.00       0.00         2.92 KVA       0.00         10.6 A       10.5 A         2.92 KVA       10.5 A         3.10       0.68         3.10       0.68         4.90 KVA       10.00         5.90 KVA       10.00         6.90 KVA       10.00         7.90 KVA       10.00</td> <td>1       20 A       SPARE         1       20 A       SPARE         ALIC. Rating: 18 KAIC       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB Rating / MLO: 60 A MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       IST FL CLASSROOM LIGI         1       20 A       NURSE AND COUNSELOI         1       20 A       NURSE AND COUNSELOI         1       20 A       MECHATRONICS LIGHTING         1       20 A       STAIR 1, 2 AND 3 LIGHTING         1       20 A       SITE LIGHTING CIRCUIT 1         1       20 A       SITE LIGHTING CIRCUIT 1</td> <td>tion CKT 28 30 28 30 4 RAREA 6 NG 4 RAREA 6 NG 8 10 NG 12 14 3 16 7 18 HTING 20 22 24 26 20</td>	  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE Circuit Description HVAC E120 LIGHTING	0.97         20 A       1       1         20 A       1       1.00         20 A       3          20 A       3            0.98         20 A       1          20 A       1       0.60         20 A       1       0.36         20 A       1       0.36         20 A       1       13         Phase       13         Trip Poles	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.30       0.2         1.05       0.84       1.6         1.04       0.84       1.6         1.05       0.00       0.0         1.109       0.6       0.00         1.109       0.6       0.00         0.05       0.00       0.0         11       KVA       11.55 KV/         0.5       96.2 A         Volts:       480         Phases:       3         Wires:       4	4	8            10         1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18            20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER LIGHTS,       26            28        30         1       20 A       FS26B - WALK-IN FREEZER       32       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       36         1       20 A       SPARE       38       31       20 A         1       20 A       SPARE       40       42	19         21       SPARE         23       SPARE         25       SPARE         29       SPARE         29       SPARE         Notes:         Image: Separe	20 A       1	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       2.73         1.43       2         1.43       3.36       1.59         0.40       0.35       0.40         0.60       0.00       0.00         0.00       0.00       0.00	0       0.00       0.00         0       0.00       0.00         2.92 KVA       0.00         10.6 A       10.5 A         2.92 KVA       10.5 A         3.10       0.68         3.10       0.68         4.90 KVA       10.00         5.90 KVA       10.00         6.90 KVA       10.00         7.90 KVA       10.00	1       20 A       SPARE         ALIC. Rating: 18 KAIC       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB Rating / MLO: 60 A MCB         Poles       Trip       Circuit Descrip         1       20 A       LIGHTING         1       20 A       IST FL CLASSROOM LIGI         1       20 A       NURSE AND COUNSELOI         1       20 A       NURSE AND COUNSELOI         1       20 A       MECHATRONICS LIGHTING         1       20 A       STAIR 1, 2 AND 3 LIGHTING         1       20 A       SITE LIGHTING CIRCUIT 1         1       20 A       SITE LIGHTING CIRCUIT 1	tion CKT 28 30 28 30 4 RAREA 6 NG 4 RAREA 6 NG 8 10 NG 12 14 3 16 7 18 HTING 20 22 24 26 20
9 11 CU-4 / AC-4 13 15 CU-11 / AC-11 17 19 NEMA L6-30R - SERVER/RACK E202 21 23 UH-10 TO UH-14, UH- 25 TO UH-29 25 RACK RECEPT - IDF E205 27 RACK RECEPT - SERVER/RACK E202 29 ELEVATOR CONTROLLER POWER 31 33 SPARE 35 SPARE 37 SPARE 39 SPARE 41 SPARE 41 SPARE Notes:	20 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0         SET C128       0       0         Trip Poles         20 A       1       0         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspa="2"Colspan="2"Colspa="2"Colspan="2"Colspa="2"C	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.00 0.00 3.18 kVA 26.6 A P P P	0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.050       0.50         0.36       0.36         0.36       0.36         0.00       0.18         0.00       0.18         0.00       0.00         3.14 kVA       26.2 A         Volts:       120/20         hases:       3         Wires:       4	8       2     15 A     CU-3 / AC-3     10       0.06     0.06       12       2     15 A     CU-8 / AC-8     14       0.06     0.72     1     20 A     RECEPT - SERVER/RACK E202     18       0.06     0.72     1     20 A     RECEPT - SERVER/RACK E202     18       0.07     0.36     1     20 A     RACK RECEPT - SERVER/RACK E202     20          22     30 A     NEMA L6-30R - SERVER/RACK E202     20       0.75     0.36     1     20 A     RACK RECEPT - E205     24       1     20 A     RACK RECEPT - SERVER/RACK E202     26       1     20 A     SECURITY SYSTEM POWER - IDF E205     28       1.60        30       1     20 A     SPARE     36       1     20 A     SPARE     38       0.00     0.00     1     20 A     SPARE     38       1     20 A     SPARE     40       0.00     0.00     1     20 A     SPARE     40       0.00     1     20 A     SPARE     12     40       0.00     1     20 A </td <td>1       1         9       -         11       0         13       0         13       0         15       0         15       0         17       -         19       -         19       -         19       -         21       0         23       0         24       23         25       0         29       F         31       F         33       5         35       5         37       5         39       5         39       5         21       0         29       F         31       F         33       5         39       5         39       5         39       5         1       F         1       F         3       6         1       F         1       F         3       6         1       F         1       F         3       6</td> <td>  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE Circuit Description HVAC E120 LIGHTING CARPENTRY E140 LIGHTING AUTO MEOUL F440 LIGHTING</td> <td>       0.97         1        1         20 A       1       1.00         20 A       3       1         20 A       3       1         20 A       3       1         20 A       1       1.00         20 A       3       1         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       0.60         20 A       1       0.60         20 A       1       1.00         20 A       1       1.80         20 A       1       1.80         20 A       1       0.36         20 A       1       0.36         20 A       1       1.5.7         Phase       13       1.3         7       Phase       1.3         7       Poles       1.3         8       1       2.09         20 A       1       2.09         20 A       1       2.09         20 A       1       2.09         20 A       1       2.09         &lt;</td> <td>1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.09       0.6       0.00         1.09       0.6       0.00         0.005       0.00       0.0         11       kVA       11.55 kV/         0.5       96.2 A         96.2 A       96.2 A         97       3         Wires:       4         11       kVA         11.8       11.55 kV/         0.5 A       96.2 A         96.2 A       96.2 A</td> <td>4      </td> <td>         8            10         1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18            20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1       20 A       SPARE       42                  </td> <td>13         21       SPARE         23       SPARE         25       SPARE         29       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting: Surface         Enclosure: Type 1         CKT         Circuit Description         1       LIGHTING         3       STORAGE AND ELEC. ROOM LIGHTING         5       1ST FL CLASSROOM LIGHTING         7       SPARE         9       ADMIN AREA LIGHTING         11       1ST FL CLASSROOM LIGHTING         13       RAMP B151 CORRIDOR B160 LIGHTING         15       SITE LIGHTING CIRCUIT 4         17       SITE LIGHTING CIRCUIT 4         17       SITE LIGHTING FLAG POLE CIRCUIT         21       SPARE         23       SPARE         24       SPARE         25       SPARE         26       SPARE         27       SPARE</td> <td>20 A       1      </td> <td>0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         VOIts:       480/2         Phases:       3         Wires:       4         6.60       2.73         1.43       2         1.43       3.36         1.43       1.59         0.40       0.35       0.40         0.60       0.00       0.00         0.00       0.00       0.00         0.00       0.00       0.00</td> <td>0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 × VA       10.5 A         10.0       0.00         2.92 × VA       10.5 A         2.93 × VA       10.5 A         2.94 × VA       10.5 A         2.95 × VA       10.5 A         2.95 × VA       10.5 A         3.10       0.68         3.10       0.68         0.78       0.75         0.000       0.00         0.000       0.00</td> <td>1       20 A       SPARE         1       20 A       Its ating: 18 KAIC         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       Its FL CLASSROOM LIG         1       20 A       NURSE AND COUNSELOI         1       20 A       NURSE AND COUNSELOI         1       20 A       Its FL CLASSROOM LIG         1       20 A       MECHATRONICS LIGHTING         1       20 A       SITE LIGHTING CIRCUIT         1       20 A       SIT</td> <td>tion CKT 28 30 28 30 4 CKT 2 HTING 4 R AREA 6 NG 8 10 NG 12 14 3 16 7 18 HTING 20 22 24 26 28 30</td>	1       1         9       -         11       0         13       0         13       0         15       0         15       0         17       -         19       -         19       -         19       -         21       0         23       0         24       23         25       0         29       F         31       F         33       5         35       5         37       5         39       5         39       5         21       0         29       F         31       F         33       5         39       5         39       5         39       5         1       F         1       F         3       6         1       F         1       F         3       6         1       F         1       F         3       6	  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER  CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE Circuit Description HVAC E120 LIGHTING CARPENTRY E140 LIGHTING AUTO MEOUL F440 LIGHTING	0.97         1        1         20 A       1       1.00         20 A       3       1         20 A       3       1         20 A       3       1         20 A       1       1.00         20 A       3       1         20 A       1       1.00         20 A       1       1.00         20 A       1       1.00         20 A       1       0.60         20 A       1       0.60         20 A       1       1.00         20 A       1       1.80         20 A       1       1.80         20 A       1       0.36         20 A       1       0.36         20 A       1       1.5.7         Phase       13       1.3         7       Phase       1.3         7       Poles       1.3         8       1       2.09         20 A       1       2.09         20 A       1       2.09         20 A       1       2.09         20 A       1       2.09         <	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.00       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.84       1.6         1.09       0.6       0.00         1.09       0.6       0.00         0.005       0.00       0.0         11       kVA       11.55 kV/         0.5       96.2 A         96.2 A       96.2 A         97       3         Wires:       4         11       kVA         11.8       11.55 kV/         0.5 A       96.2 A         96.2 A       96.2 A	4	8            10         1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18            20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS25B WALK-IN COOLER       22         1       20 A       FS26 - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER       32         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1       20 A       SPARE       42	13         21       SPARE         23       SPARE         25       SPARE         29       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting: Surface         Enclosure: Type 1         CKT         Circuit Description         1       LIGHTING         3       STORAGE AND ELEC. ROOM LIGHTING         5       1ST FL CLASSROOM LIGHTING         7       SPARE         9       ADMIN AREA LIGHTING         11       1ST FL CLASSROOM LIGHTING         13       RAMP B151 CORRIDOR B160 LIGHTING         15       SITE LIGHTING CIRCUIT 4         17       SITE LIGHTING CIRCUIT 4         17       SITE LIGHTING FLAG POLE CIRCUIT         21       SPARE         23       SPARE         24       SPARE         25       SPARE         26       SPARE         27       SPARE	20 A       1	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         VOIts:       480/2         Phases:       3         Wires:       4         6.60       2.73         1.43       2         1.43       3.36         1.43       1.59         0.40       0.35       0.40         0.60       0.00       0.00         0.00       0.00       0.00         0.00       0.00       0.00	0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 × VA       10.5 A         10.0       0.00         2.92 × VA       10.5 A         2.93 × VA       10.5 A         2.94 × VA       10.5 A         2.95 × VA       10.5 A         2.95 × VA       10.5 A         3.10       0.68         3.10       0.68         0.78       0.75         0.000       0.00         0.000       0.00	1       20 A       SPARE         1       20 A       Its ating: 18 KAIC         Bus Material: CU       Bus Rating: 100 A         MCB Rating / MLO: 60 A MCB       MCB         Poles       Trip       Circuit Descrip         1       20 A       Its FL CLASSROOM LIG         1       20 A       NURSE AND COUNSELOI         1       20 A       NURSE AND COUNSELOI         1       20 A       Its FL CLASSROOM LIG         1       20 A       MECHATRONICS LIGHTING         1       20 A       SITE LIGHTING CIRCUIT         1       20 A       SIT	tion CKT 28 30 28 30 4 CKT 2 HTING 4 R AREA 6 NG 8 10 NG 12 14 3 16 7 18 HTING 20 22 24 26 28 30
9 11 CU-4 / AC-4 13 15 CU-11 / AC-11 17 19 NEMA L6-30R - SERVER/RACK E202 21 23 UH-10 TO UH-14, UH- 25 TO UH-29 25 RACK RECEPT - IDF E205 27 RACK RECEPT - SERVER/RACK E202 29 ELEVATOR CONTROLLER POWER 31 33 SPARE 35 SPARE 39 SPARE 41 SPARE 39 SPARE 41 SPARE Notes:    Branch Panel: EP4- Location: ELEC CLO Supply From: EP5-1 Mounting: Surface Enclosure: Type 1  CKT Circuit Description 1 RECEPT - C153, C154 3 RECEPT - C150 CKT CIPCUAL	20 A       2       0         15 A       2       0         30 A       2       0         20 A       1       0         SET C128       0       0         Trip Poles         20 A       1       0         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspa="2"Colspan="2"Colspa="2"Colspan="2"Colspa="2"Co	0.06 0.06 0.06 0.06 0.50 0.50 0.50 0.50 0.36 0.36 0.36 0.36 0.36 0.00 0.00 3.18 kVA 26.6 A 26.6 A P P	0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.06       0.06         0.50       0.50         0.36       0.36         0.00       0.18         0.00       0.00         3.14 kVA       26.2 A         Volts:       120/20         hases:       3         Wires:       4	8           0.06         0.06            12           0.06         0.06            12           0.06         0.06           12           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         18           0.06         0.72         1         20 A         RECEPT - SERVER/RACK E202         20               22         30 A         NEMA L6-30R - SERVER/RACK E202         20           0.75         0.36         1         20 A         RACK RECEPT - E205         24           1         20 A         SECURITY SYSTEM POWER - IDF E205         28         30           1.60             30           1.60         -         -         -         30         30           1.60         -         -         -         30         30           0.00         0.00         1         20 A         SPARE         38         30           1.20 A         SPARE         18<	1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	  CA24B - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER LIGHTS, CA25A - WALK-IN FREEZER   CA25B - WALK-IN FREEZER CA68 - REACH-IN UNDERCOUNTER CA60 - REACH-IN REFRIGERATOR CA82 - ICE CUBER FS-19 REFRIGERATOR FS-22 ICE MACHINE SR02a - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR02b - REFRIGERATOR, REACH-IN SR11 - UNDERCOUNTER REF SPARE SPARE SPARE SPARE SPARE SPARE SPARE Circuit Description HVAC E120 LIGHTING AUTO MECH F110 LIGHTING AUTO MECH F110 LIGHTING AUTO MECH F110 LIGHTING AUTO COLLISION LIGHTING	0.97         20 A       1         20 A       1         20 A       1         20 A       3             20 A       1         13       13         9       13         9       1         10       2.09         11       2.09         120 A       1         13       2.09         14       2.09         15.7       9         <	1.04       0.97       1.6         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.98       1.0         1.00       0.30       0.2         1.01       0.30       0.2         1.01       0.30       0.2         1.02       0.30       0.2         1.04       0.30       0.2         1.04       0.84       1.6         1.09       0.6       0.00         1.14       1.09       0.6         0.124       0.00       0.0         1.05       0.00       0.0         1.1 kVA       11.55 kV/         0.5 A       96.2 A         96.2 A       96.2 A         Volts:       480         Phases:       3         Wires:       4         A       B         2.26       2.20         2.20       2.20         2.20       2.20         1.51       1.51	4	8            10         0       1       20 A       CA26B - WALK-IN COOLER       12         1       20 A       FS25 - WALK-IN COOLER LIGHTS,       14         3       20 A       FS25A - WALK-IN COOLER       16            18            18            20         1       20 A       FS25A - WALK-IN COOLER       22         1       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26A - WALK-IN FREEZER LIGHTS,       24         3       20 A       FS26B - WALK-IN FREEZER       26             30         1       20 A       SR07a - COMMERCIAL REFRIGERATOR       34         1       20 A       SPARE       38         1       20 A       SPARE       40         1	13         21       SPARE         23       SPARE         25       SPARE         29       SPARE         29       SPARE         Notes:         Branch Panel: LP6-1         Location: ELEC D120         Supply From: MSB-2         Mounting:       Surface         Enclosure:       Type 1         CKT         Circuit Description         1       LIGHTING         3       STORAGE AND ELEC. ROOM LIGHTING         5       1ST FL CLASSROOM LIGHTING         5       1ST FL CLASSROOM LIGHTING         13       RAMP B151 CORRIDOR B160 LIGHTING         15       SITE LIGHTING CIRCUIT 4         17       SITE LIGHTING CIRCUIT 6         19       SITE LIGHTING FLAG POLE CIRCUIT         21       SPARE         23       SPARE         24       SPARE         25       SPARE         27       SPARE         29       SPARE	20 A       1	0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         0.00       0.00         VA       7.05 kVA         A       26.4 A         Volts:       480/2         Phases:       3         Wires:       4         6.60       2.73         1.43       3.36       1.59         0.40       0.35       0.40         0.60       0.00       0.00         0.60       0.00       0.00         0.00       0.00       0.00         0.000       0.00       0.00         0.000       0.00       0.00         0.000       0.00       0.00         0.000       0.00       0.00         0.000       0.00       0.00	0       0.00       0.00         0       0.00       0.00         0       0.00       0.00         2.92 KVA       10.5 A         10.00       0.00         2.92 KVA       10.5 A         10.00       0.00         2.92 KVA       10.5 A         2.93 KVA       10.5 A         2.94 KVA       10.5 A         2.95 KVA       10.5 A         2.96 KVA       3.26 A         3.10       0.68 A         3.10       0.00 A     <	1       20 A       SPARE         1       20 A       Itercuit Descrip         1       20 A       LIGHTING         1       20 A       Itercuit Descrip         1       20 A       STAIR 1, 2 AND 3 LIGHTIN         1       20 A       SITE LIGHTING CIRCUIT 1         1       20 A       SPARE	tion CKT 28 30 28 30 4 CKT 2 HTING 4 R AREA 6 NG 4 R AREA 6 NG 8 10 NG 12 14 3 16 7 18 HTING 20 22 24 24 26 28 30

E	Branch Panel: EP3-2												
	Location: ELEC CLOS Supply From: T-EP3-2 Mounting: Surface	ET E24	6		Ρ	Volts: hases: Wires:	120/20 3 4	)8 Wye			MOR	A.I.C. Rating: 10 KAIC Bus Material: CU Bus Rating: 100 A	
	Enclosure: Type 1				•		_		•		MCB		
скт	Circuit Description	Trip	Poles		<b>A</b>		В			Poles	Trip	Circuit Description	ск
1	RECEPT - MDF E205	20 A	1	0.72	0.50					2	30 A	NEMA L6-30R - MDF E205	2
3	NEMA L6-30R - MDF E205	30 A	2			0.50	0.50						4
5								0.50	0.06	2	20 A	CU-1 / AC-1	6
7	CU-2 / AC-2	20 A	2	0.06	0.06								8
9						0.06	0.06			2	15 A	CU-3 / AC-3	10
11	CU-4 / AC-4	15 A	2					0.06	0.06				12
13				0.06	0.06					2	15 A	CU-8 / AC-8	14
15	CU-11 / AC-11	15 A	2			0.06	0.06						16
17								0.06	0.72	1	20 A	RECEPT - SERVER/RACK E202	18
19	NEMA L6-30R - SERVER/RACK E202	30 A	2	0.50	0.50					2	30 A	NEMA L6-30R - SERVER/RACK E202	20
21						0.50	0.50						22
23	UH-10 TO UH-14, UH- 25 TO UH-29	20 A	1					0.75	0.36	1	20 A	RACK RECEPT - E205	24
25	RACK RECEPT - IDF E205	20 A	1	0.36	0.36					1	20 A	RACK RECEPT - SERVER/RACK E202	26
27	RACK RECEPT - SERVER/RACK E202	20 A	1			0.36	0.36			1	20 A	SECURITY SYSTEM POWER - IDF E205	28
29	ELEVATOR CONTROLLER POWER	20 A	1					1.60					30
31							$\sim$	$\sim$	$\sim$	$\sim$	$\sim$		-32
33	SPARE	20 A	1			0.00	0.18			1	20 A	ELEVATOR SHUNT-TRIP CONTROL	34
35	SPARE	20 A	1				M	0.00	0.00	$\overline{\mathbf{h}}$	20 A	SPARE	30
37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38
39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40
41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE 1	42
	1	Plase	Load:	3.18	kVA	3.14	kVA	4.17	kVA		1		
Notes		Phase	)	26.	6 A	26	.2 A	34.	8 A	1		12	
Notes		Phase	)	26.	6 A	26	.2 A	34.	8 A				

E	Branch Panel: EP4-1													
	Location: ELEC CLOSE	T C12	8			Volts:	120/20	)8 Wve				A.I.C. Rating: 10 KAIC		
	Supply From: EP5-1	-	-		Р	hases:	3	j				Bus Material: CU		
	Mounting: Surface					Wires:	4					Bus Rating: 125 A		
	Enclosure: Type 1										МСВ	Rating / MLO: 100 A MCB		
					A		в		2					_
CKT	Circuit Description	Trip	Poles							Poles	Trip	Circuit Description	СКТ	-
1	RECEPT - C153, C154	20 A	1	0.72	1.08					1	20 A	RECEPT - C135	2	
3	RECEPT - C150, C151, C152	20 A	1			1.08	1.08			1	20 A	RECEPT - C106, C107, C108	4	_
5	RECEPT - C120	20 A	1					0.90	1.08	1	20 A	RECEPT - C1-3, C104, C105	6	Ļ
7	RECEPT - C123	20 A	1	0.72	0.72					1	20 A	RECEPT - C101, C102	8	
9	RECEPT - C121, C123	20 A	1			1.08	0.72			1	20 A	RECEPT - C125, C126	10	
11	RECEPT - C124	20 A	1					0.90	0.72	1	20 A	RECEPT - C127	12	
13	Power	20 A	1	0.36	1.08					1	20 A	RECEPT - C127	14	
15	RECEPT - C129	20 A	1			0.54	1.50			1	20 A	RECEPT - C127	16	
17	SECURITY HEAD END - C145	20 A	1					0.18	0.18	1	20 A	FACP - C135	18	
19	RECEPT - C145	20 A	1	0.54	0.18					1	20 A	FAP - C149	20	
21	RECEPT - IDF D117	20 A	1			0.72	0.09			2	30 A	NEMA L6-30R - IDF D117	22	
23	NEMA L6-30R - IDF D117	30 A	2					0.50	0.09				24	ſ
25				0.50	0.36					1	20 A	RACK RECEPT - IDF D117	26	Ī
27	CUH-5 TO 10	20 A	1			0.45	0.36			1	20 A	RACK RECEPT - IDF D117	28	f
29	SECURITY SYSTEM POWER - IDF D117	20 A	1					0.36	1.80	1	20 A	BMS PANEL - IDF D117	30	ľ
31					1.80					1	20 A	BMS PANEL - IDF D117	32	ŀ
33	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	34	
35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36	F
37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38	ſ
39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40	
41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42	
		Plase	Load:	8.06	kVA	7.62	kVA	6.71	kVA					Γ
Notes		Phase	)	68.	.3 A	64.	.6 A	55.	9 A	-				

	Location: BOILER B1	63				Volts:	120/20	8 Wye				A.I.C. Rating: 22 KAIC	
	Supply From: T-EP5-1				Ρ	hases:	3					Bus Material: CU	
	Mounting: Surface					Wires:	4					Bus Rating: 225 A	
	Enclosure: Type 1										MCB	Rating / MLO: 200 A MCB	
					4	[	3		2				
СКТ	Circuit Description	Trip	Poles							Poles	Trip	Circuit Description	СКТ
1	NEMA L6-30R - MDF B102	30 A	2	0.50	0.36					1	20 A	RECEPT - MDF B102	2
3						0.50	0.36			1	20 A	RECEPT - MDF B102	4
5	NEMA L6-30R - MDF B102	30 A	2					0.50	0.18	1	20 A	ALARM POWER SUPPLY - MDF B102	6
7				0.50	0.18					1	20 A	LS POWER SUPPLY - MDF-B102	8
9	RACK RECEPT - MDF B102	20 A	1			0.36	0.97			1	20 A	CUH-1, CUH-3 & 4, CUH-11, UH-1 TO 9	10
11	RACK RECEPT - MDF B102	20 A	1					0.36	0.72	1	20 A	RECEPT - MDF B128	12
13	NEMA L6-30R - MDF B128	30 A	2	0.50	0.50					2	30 A	NEMA L6-30R - MDF B128	14
15						0.50	0.50						16
17	CT-1: HEAT TRACE	20 A	1					1.15	1.15	1	20 A	CT-2: HEAT TRACE	18
19	B-1 CTRL PNL	20 A	1	1.00	1.00					1	20 A	B-2 CTRL PNL	20
21	B-3 CTRL PNL	20 A	1			1.00	1.66			1	25 A	GMU-1	22
23	WH-1	20 A	1					1.32	0.42	3	15 A	HWRP-1	24
25	WH-2	20 A	1	1.32	0.42								26
27	HWRP-2	15 A	3			0.42	0.42						28
29								0.42	0.36	1	20 A	RACK RECEPT - IDF B128	30
31				0.42	0.36					1	20 A	RACK RECEPT - IDF B128	32
33	RACK RECEPT - MDF B102	20 A	1			0.36	0.36			1	20 A	SECURITY SYSTEM POWER - IDF B128	34
35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	8.06					3	100 A	EP4-1	38
39	SPARE	20 A	1			0.00	7.62						40
41	SPARE	20 A	1					0.00	6.71				42
	1	Plase	Load:	15.12	2 kVA	15.02	2 kVA	13.29	) kVA			1	<u> </u>
Jotes		Phase		128	2 A	127	4 A	110	8 A	1			

![](_page_57_Figure_4.jpeg)

Branch	Pane

СКТ	Cire
1	CORRIDOR L
3	LIGHTING
5	THEORY ROC
7	SPARE
9	LIGHTING
11	
13	
15	
17	
19	
21	SPARE
23	SPARE
25	SPARE
27	SPARE
29	SPARE
Notes:	

Enclosure: Type 1									MCB	Rating / MLO: 60 A MCB		
			A	4	E	3	C	2				
rcuit Description	Trip	Poles							Poles	Trip	Circuit Description	СКТ
LIGHTING	20 A	1	2.09	2.26					1	20 A	PLUMBING E101 LIGHTING	2
Y E140 LIGHTING	20 A	1			2.20	2.26			1	20 A	LTG	4
I F110 LIGHTING	20 A	1					2.20	2.15	1	20 A	AUTO COLLISION LIGHTING	6
ISION LIGHTING	20 A	1	2.09	1.51					1	20 A	PRECISION MACHINING LIGHTING	8
MACHINING LIGHTING	20 A	1			1.51	1.51			1	20 A	ELECTRICAL E114 LIGHTING	10
LIGHTING	20 A	1					0.13	0.13	1	20 A	CORRIDOR LIGHTING	12
M103	20 A	1	0.23	0.29					1	20 A	LTG - MEZZ M102	14
	20 A	1			2.76	2.77			1	20 A	LTG	16
LIGHTING	20 A	1					0.34	0.60	1	20 A	SITE LIGHTING CIRCUIT 1	18
NG CIRCUIT 2	20 A	1	0.75									20
	20 A	1			0.00	0.00			1	20 A	SPARE	22
	20 A	1					0.00	0.00	1	20 A	SPARE	24
	20 A	1	0.00	0.00					1	20 A	SPARE	26
	20 A	1			0.00	0.00			1	20 A	SPARE	28
	20 A	1					0.00	0.00	1	20 A	SPARE	30
	Plase	Load:	9.18	kVA	12.93	3 kVA	5.51	kVA				
	Phase		35.	2 A	48.	7 A	19.	9 A				

Panel: LP2-2 Location: ELEC E240 Supply From: DSB-1 Mounting: Surface Enclosure: Type 1		I		Ρ	Volts: hases: Wires:	480/27 3 4	7 Wye		I	MCB	A.I.C. Rating: 35 KAIC Bus Material: CU Bus Rating: 100 A Rating / MLO: 60 A MCB	
rcuit Description	Trip	Polos		A	l	В		C	Polos	Trin	Circuit Description	скт
	20 4	1	0.27	1 50					1	20 4		2
	20 A	1	0.21	1.50	0.62	0.73			1	20 A		<u> </u>
	20 A	1			0.02	0.75	2.56	0.00	1	20 A	SPARE	6
	20 A	1	0.00	0.00			2.00	0.00	1	20 A	SPARE	8
	20 A	1	0.00	0.00	1 28	0.00			1	20 A	SPARE	10
	2077	- ·			1.20	0.00			<u> </u>	2077		12
												14
												16
									-			18
												20
	20 A	1			0.00	0.00			1	20 A	SPARE	22
	20 A	1					0.00	0.00	1	20 A	SPARE	24
	20 A	1	0.00	0.00					1	20 A	SPARE	26
	20 A	1			0.00	0.00			1	20 A	SPARE	28
	20 A	1					0.00	0.00	1	20 A	SPARE	30
	Plase	Load:	1.76	kVA	2.61	kVA	2.56	kVA				
	Phase	)	6.4	1 A	9.9	9 A	9.7	7 A				

# Branch Banal: | D7 2

	Location: ELEC D221					Volts:	480/27	7 Wye				A.I.C. Rating: 18 KAIC	
	Supply From: MSB-2				P	hases:	3					Bus Material: CU	
	Mounting: Surface					Wires:	4					Bus Rating: 100 A	
	Enclosure: Type 1										MCB	Rating / MLO: 60 A MCB	
					A	E	3	(	<b>C</b>				
СКТ	<b>Circuit Description</b>	Trip	Poles							Poles	Trip	Circuit Description	СКТ
1	2ND FL CLASSROOM LIGHTING	20 A	1	2.26	3.82					1	20 A	2ND FL CLASSROOM LIGHTING	2
3	2ND FL CLASSROOM LIGHTING	20 A	1			2.63	2.26			1	20 A	2ND FL CLASSROOM LIGHTING	4
5	LTG	20 A	1					1.94	0.87	1	20 A	PENTHOUSE LIGHTING	6
7	LTG	20 A	1	1.45	2.23					1	20 A	LTG	8
9	LTG	20 A	1			3.38	1.89			1	20 A	LTG	10
11	LTG	20 A	1					0.66	1.47	1	20 A	CLERESTORY LIGHTING	12
13	LEARNING COMMONS C218 LIGHTING	20 A	1	2.73	2.86					1	20 A	LTG	14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
		Plase	Load:	15.29	9 kVA	10.15	5 kVA	4.89	kVA				•
Notes:		Phase		58.	1 A	39.	6 A	17.	7 A				

### **100% CONSTRUCTION DOCUMENTS** drawing title

ELE PAN	CTRICAL IELBOAR	RDS	STATE DEPARTMEN	E OF CON	NECTICU	T
	R	EVISIONS	drawing prepared by			date
mark	date	description	Consulting E	ngineering Services	s, Inc.	05/24/2019
1	07/23/2019	ADDENDUM #1	811 Middle St., Middletown	n, CT 06457		scale
						drawn by vjм
			project ADDITIONS A	ND RENOVATIONS	6	арргоved by кsм
			PLATT TECH 600 Orange Avenue Mi	NICAL HIGH SCHO	OL	drawing no.
			CAD no.	DCS project no. ві-ят-878 см-я	OSCGR project no. 900-0013	E8-1-2

		Location: ELEC E137 Supply From: T-PP1-1				P	Volts: hases:	120/20 3	08 Wye				A.I.C. Rating: 10 KAIC Bus Material:			L Supp	
		Mounting: Surface				•	Wires:	4					Bus Rating: 400 A			M	
T         Could Non-spine         Pair		Enclosure: Type 1										MCB					
Reserve (a)         Control (a) <thcontrol (a)<="" th=""> <thcontrol (a)<="" th=""></thcontrol></thcontrol>	κт	Circuit Description	Trip	Poles	,	A		3		C	Poles	Trip	Circuit Description	СКТ	скт	Circuit	
Add All Della		RECEPT - E136, E137, E147	20 A	1	0.72	0.54	0.54	0.54			1	20 A	RECEPT - E128	2	1	RECEPT -	
Boderit         Boderit <t< td=""><td>5</td><td>SMARTBOARD - E105 RECEPT - E105</td><td>20 A</td><td>1</td><td></td><td></td><td>0.54</td><td>0.54</td><td>0.90</td><td>0.90</td><td>1</td><td>20 A</td><td>SMARTBOARD - E110 RECEPT - E110</td><td>6</td><td>3</td><td>RECEPT - E232</td></t<>	5	SMARTBOARD - E105 RECEPT - E105	20 A	1			0.54	0.54	0.90	0.90	1	20 A	SMARTBOARD - E110 RECEPT - E110	6	3	RECEPT - E232	
Burger         Barger         Borg         Ale A         Borg	,	RECEPT - E105	20 A	1	0.72	1.08					1	20 A	RECEPT - E110	8	7	RECEPT - E232	
Biology (1)	1	RECEPT - E105	20 A	1			0.72	0.72	0.72	0.72	1	20 A	FLOOR BOXES - E110	10	9	WORKBENCH - E	
Selection         <	1 3	RECEPT - E105 RECEPT - E105	20 A	1	0.72	0.72			0.72	0.72	1	20 A	FLOOR BOXES - E110	12	13	WORKBENCH - E	
OCCUPTION         23.4         1         1.53         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93         1.93 <th1.93< th="">         1.93         1.93         <t< td=""><td>5</td><td>SMARTBOARD - E101</td><td>20 A</td><td>1</td><td></td><td></td><td>0.54</td><td>0.54</td><td></td><td></td><td>1</td><td>20 A</td><td>SMARTBOARD - E114</td><td>16</td><td>15</td><td>WORKBENCH - E</td></t<></th1.93<>	5	SMARTBOARD - E101	20 A	1			0.54	0.54			1	20 A	SMARTBOARD - E114	16	15	WORKBENCH - E	
Biological Processing       Pr	7	RECEPT - E101	20 A	1	0.54	1.50			0.90	0.72	1	20 A	RECEPT - E114	18	17	WORKBENCH - E	
B DECOPT:       DECOPT: <thdecopt:< th="">       DECOPT:</thdecopt:<>	9 1	RECEPT - E101 RECEPT - E101	20 A	1	0.54	1.56	0.54	1.44			1	20 A	RECEPT - E114 RECEPT - E111, E112, E113	20	21	WORKBENCH - E	
Invit         Invit <th< td=""><td>3</td><td>RECEPT - E106, E107, E108</td><td>20 A</td><td>1</td><td></td><td></td><td></td><td></td><td>1.80</td><td>0.40</td><td>1</td><td>20 A</td><td>EWC - E111</td><td>24</td><td>23</td><td>WORKBENCH - E</td></th<>	3	RECEPT - E106, E107, E108	20 A	1					1.80	0.40	1	20 A	EWC - E111	24	23	WORKBENCH - E	
COUPT: 121/1         COUPT: 121/1<	5	EWC - E106	20 A	1	0.40	1.80	0.54	0.40			1	20 A	RECEPT - E129, E130, E131	26	25	WORKBENCH - E	
I. W. C. Cab.         BA.         I. C. B.         BA.         I. C. B.         BA.         I. C. B.         BA.         I. C. B.         BCCPT- DIV         BA.         I. C. B.         BCCPT- DIV         BA.         I. C. B.         BA.         BA.         I. C. B.	)	RECEPT - E102, E103, E104 RECEPT - E124, E125, E126	20 A	1			0.54	0.40	1.80	0.54	1	20 A	SMARTBOARD - E134	30	27	WORKBENCH - E	
MARE INSOLUTION         DOA         I         Out         DOA         I         DOA         DOA <thdoa< th="">         DOA         DOA</thdoa<>	1	EWC - E126	20 A	1	0.40	0.90					1	20 A	RECEPT - E134	32	31	WORKBENCH - E	
Concern Fibra         Sol A         Concern Fibra	3	SMARTBOARD - E127	20 A	1			0.54	0.72	0.00	0.72	1	20 A	RECEPT - E134	34	33	RECEPT - E233, E	
Iscapt         Link         Date         Date <thdate< th="">         Date         Date         <t< td=""><td>) 7</td><td>RECEPT - E127 RECEPT - E127</td><td>20 A</td><td>1</td><td>0.72</td><td>0.90</td><td></td><td></td><td>0.90</td><td>0.72</td><td>1</td><td>20 A</td><td>RECEPT - E134 RECEPT - E134</td><td>30</td><td>35</td><td>RECEPT - E230</td></t<></thdate<>	) 7	RECEPT - E127 RECEPT - E127	20 A	1	0.72	0.90			0.90	0.72	1	20 A	RECEPT - E134 RECEPT - E134	30	35	RECEPT - E230	
ECCPT - E12        20 A             CCPT - E12           20 A           CCPT - E12	)	RECEPT - E127	20 A	1			0.36	0.72			1	20 A	RECEPT - E134	40	39	RECEPT - E230	
Bits Processor         Construction         Constructin		RECEPT - E127	20 A	1					0.72	0.72	1	20 A	RECEPT - E134	42	41	RECEPT - E230	
except:         Event         2X         1         1         1         20         0.00         0.04         1         20         0.00         0.01         1         20         0.00         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01		RECEPT - E127 SMARTBOARD - F141	20 A	1	0.36	1.14	0.54	0.18			1	20 A	ACD-1 FUTURE RADON FAN	44	43	RECEPT - E230	
Bic OP I: - 1441         D/A         I         D/Z         I MA         D/Z         D/Z <thd th="" z<=""></thd>		RECEPT - E141	20 A	1			5.04	0.10	0.90	0.54	1	20 A	SMARTBOARD - E140	48	47	SPARE	
Instructure 1-1641         2014         1         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07         0.07		RECEPT - E141	20 A	1	0.72	1.08	-				1	20 A	RECEPT - E140	50	49	SPARE	
Incomposition         Incompos		RECEPT - E141 RECEPT - E141	20 A	1			0.72	0.90	0.72	0.00	1	20 A	RECEPT - E140	52	51	SPARE	
etc.ptr. Letta_Letta_Letta_Letta         28.4         1         1.80         0.1         20.4         Rec.ptr. Letta         20.4         Conc. State         Conc.		RECEPT - E141	20 A	1	0.72	1.08			0.72	0.90	1	20 A	RECEPT - E-148	56	55	SMARTBOARD -	
EVX-E-E142         20 A         1         0.4         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4 <th1< th="">         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         0.4         1         <th1< th="">         0.4         1</th1<></th1<>		RECEPT - E142, E145, E146	20 A	1			1.80	1.80			1	20 A	RECEPT - F111, F112, F113	58	57	RECEPT - E216	
Inscreptions         Low         Low <thlow< th=""> <th< td=""><td></td><td>EWC - E142</td><td>20 A</td><td>1</td><td>0.54</td><td>1.00</td><td></td><td></td><td>0.40</td><td>0.40</td><td>1</td><td>20 A</td><td>EWC - F113</td><td>60</td><td>59</td><td>RECEPT - E216</td></th<></thlow<>		EWC - E142	20 A	1	0.54	1.00			0.40	0.40	1	20 A	EWC - F113	60	59	RECEPT - E216	
EFECEPT: E:50         30 A         1         0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		RECEPT - E120	20 A	1	0.54	1.08	0.90	1.08			1	20 A	RECEPT - F115	62	63	RECEPT - E216 RECEPT - E216	
Image: Product Prior       20 A       1       0.4       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.0		RECEPT - E120	20 A	1					0.90	0.72	1	20 A	RECEPT - F115	66	65	RECEPT - E216	
Benchmann, Hui, Hui, Hui, Hui, Hui, Hui, Hui, Hui		RECEPT - E120	20 A	1	0.54	1.08	0.54	0.54			1	20 A	RECEPT - F115	68	67	RECEPT - E216	
ECEPT - FI0       00       1       02       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07       07		SMARTBOARD - F101 RECEPT - F101	20 A	1			0.54	0.54	0.90	0.90	1	20 A	RECEPT - F119	70	71	RECEPT - E216 RECEPT - MDF E	
Inccurr       Incurr		RECEPT - F101	20 A	1	0.72	0.72					1	20 A	RECEPT - F119	74	73	SHEF-10	
Intel P 1 - 100       Zi A       1       D/2       D/2 <thd 2<="" th=""> <thd 2<="" th=""> <thd 2<="" th=""> <thd 2<="" th=""></thd></thd></thd></thd>		RECEPT - F101	20 A	1			0.72	0.72	0.70	0.70	1	20 A	RECEPT - F119	76	75	RECEPT - M107	
Base 2         Base 1         Dot of 2         DB         DF         DATE DATE 133         DATE 133 <thdate 133<<="" td=""><td></td><td>RECEPT - F101 RECEPT - F101</td><td>20 A</td><td>1</td><td>0.72</td><td>0.72</td><td></td><td></td><td>0.72</td><td>0.72</td><td>1</td><td>20 A</td><td>RECEPT - F119 RECEPT - F119</td><td>78 80</td><td>77</td><td>IDF-2 CONTROL</td></thdate>		RECEPT - F101 RECEPT - F101	20 A	1	0.72	0.72			0.72	0.72	1	20 A	RECEPT - F119 RECEPT - F119	78 80	77	IDF-2 CONTROL	
SMARTIGARD - F133       20 A       1		SHEF-2	15 A	1	0.72	0.72	0.70	1.08			1	20 A	RECEPT - F109	82	81	MECH. POWER F	
Intellet - Lt33       201A       1       0.00       1       0.01       1.201A       NetCell - Fording - Training       65         Intellet - Lt33       201A       1       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01       0.01 <th< td=""><td></td><td>SMARTBOARD - E133</td><td>20 A</td><td>1</td><td></td><td></td><td></td><td></td><td>0.54</td><td>0.90</td><td>1</td><td>20 A</td><td>RECEPT - F110</td><td>84</td><td>83</td><td>MECH. POWER F</td></th<>		SMARTBOARD - E133	20 A	1					0.54	0.90	1	20 A	RECEPT - F110	84	83	MECH. POWER F	
Doc:         First         Doc:         Doc: <thdoc:< th="">         Doc:         Doc:         <th< td=""><td></td><td>RECEPT - E133</td><td>20 A</td><td>1</td><td>0.90</td><td>1.80</td><td>0.72</td><td>0.40</td><td></td><td></td><td>1</td><td>20 A</td><td>RECEPT - F104, F105, F106</td><td>86</td><td>85</td><td>MECH. POWER P</td></th<></thdoc:<>		RECEPT - E133	20 A	1	0.90	1.80	0.72	0.40			1	20 A	RECEPT - F104, F105, F106	86	85	MECH. POWER P	
DC-1 CTRL PNL       20 A       1       0.1       1       20 A       RECEPT - 1010       92 B       91         DC-2 CTRL PNL       20 A       1       0       1       20 A       1       00 A       1       20 A       10 A       10		DC-1 SHAKER	15 A	1			0.72	0.40	0.70	0.72	1	20 A	RECEPT - F110	90	89	CO/NOZ FANEL -	
ID:2       CPC PTH, PMI_       20 A       1       20 A       SPARE       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100		DC-1 CTRL PNL	20 A	1	0.15	1.08					1	20 A	RECEPT - F110	92	91		
By ARE         20A         1         0.00         1.20         0.00         0.07         1.00         1.20         0.00         0.07         1.00         1.20         0.00         0.07         1.20         0.00         0.07         1.20         0.00         0.07         1.20         0.00         0.07         1.20         0.00         0.07         1.20         0.00         0.01         1.20         0.03         0.02         0.01         1.20         0.01         0.02         0.01         1.20         0.03         0.02         0.01         1.20         0.03         0.02         0.01         1.20         0.03         0.02         0.01         1.20         0.03         0.02         0.01         1.20         0.03         0.02         0.01         1.20         0.03         0.02         0.01         1.20         0.03         0.02         0.01         1.20         0.03         0.02         0.01         1.20         0.03         0.01         0.02         0.01         1.20         0.03         0.01         1.20         0.03         0.01         1.20         0.03         0.01         1.20         0.03         0.01         1.20         0.01         1.20         0.01         1.20         0		DC-2 CTRL PNL RECEPT - M102 M103	20 A	1			0.15	0.72	0.54	1.80	1	20 A	RECEPT - IDF E138	94	93		
Isprake         20 A         1         0.0         0.00         0.00         1         22 A         1 Sprake         100           3 PPA14         125 A         3         0.7         0.00         0.00         1         22 A         1 Sprake         100           5 ···            0         0.07         0.00         1         22 A         1 Sprake         100           7 ···            0         4.97         0.00         1         22 A         1 Sprake         100           7 ···            4.97         0.00         1         22 A         1 Sprake         100           7 ···             4.97         0.00         1 2 2 A         Sprake         100           7 ···         Phase         Stat StAt 3         23 S A         23 S A         23 S A         23 S A         20 A         Sprake         100         1         22 A         Sprake         100         1 Stat StAt 3         10 Stat Stat 3	,	SPARE	20 A	1	0.00	1.20			0.54	1.00	1	20 A	IDF-3 - E120	90	95		
1 SPARE       20 Å       1       0       0.00       0.00       1       20 Å       SPATA       101         5         0       4.97       0.00       1       20 Å       SPATE       104         7         0       4.97       0.00       1       20 Å       SPARE       106         105       SPARE       106       1       20 Å       SPARE       106       105       SPARE       106         7        -       0       4.97       0.00       1       20 Å       SPARE       106       105       SPARE       106       105       SPARE       106       105       SPARE       106       105       SPARE       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106	)	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	100	99		
Print         12 Ar         3         0/1         0.00         4.97         0.00         1         20 Ar         STARE         100           7         -         -         -         -         -         -         -         100         SPARE         100         SPARE <td>1 2</td> <td>SPARE</td> <td>20 A</td> <td>1</td> <td>6.77</td> <td>0.00</td> <td></td> <td></td> <td>0.00</td> <td>0.00</td> <td>1</td> <td>20 A</td> <td>SPARE</td> <td>102</td> <td>101</td> <td></td>	1 2	SPARE	20 A	1	6.77	0.00			0.00	0.00	1	20 A	SPARE	102	101		
Image: Participation         Image: Pa	, ;				0.77	0.00	4.97	0.00			1	20 A	SPARE	104	105	SPARE	
Piase Load:       34 # 44 / VA       28.03 / VA       31.34 / VA         Rovice WTH INTEGRAL SPD DEVICE:       29.8 A       230.8 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.4 / 285.	7								4.97	0.00	1	20 A	SPARE	108	107	SPARE	
Branch Panel: PP1-1A     Dots: 120/20     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7     200/7			Plase	Load:	34.8	4 kVA	28.03	3 kVA	31.34	4 kVA	-				Notos		
IRCUIT #46 FOR FUTURE FADON FAN SHALL BE LOCKED OUT.       2. CIRCUIT #52 FOR FL         Branch Panel: PP1-1A       Phase: 3       Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"       Colspan="2"        Colspan="2"       Colspan="2"        Colspan="2"        Colspan="2"        Colspan="2"          Colspan="2"           Colspan="2"	R	OVIDE WITH INTEGRAL SPD DEVICE.	Phase	ə	294	.0 A	233	.0 A	200	.4 A					1. PR	OVIDE WITH INTE	
Branch Panel: PP1-1 Supply From: PP1-1 Mounting: Sufface       Volis: 120/208 Wye       A LLC. Rating: 22 KAIC Bus Mating: 125 A         Mounting: Sufface       Wires: 4       Bus Mating: 125 A         Corecuit Doscription       Trip       Corecuit Doscription       Circuit Doscription       Circuit Doscription       Circuit Doscription       Circuit Doscription       Circuit Doscription       CKT         OVERHEAD DOOR - E101       20 A       3       20 A OVERHEAD DOOR - E120       C         OVERHEAD DOOR - E100       Circuit Doscription       CKT <th colspan<="" td=""><td>IR</td><td>CUIT #46 FOR FUTURE RADON FAN SH</td><td>ALL BE</td><td>LOCK</td><td>ED OUT</td><td>Γ.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2. CIR</td><td>CUIT #52 FOR FU</td></th>	<td>IR</td> <td>CUIT #46 FOR FUTURE RADON FAN SH</td> <td>ALL BE</td> <td>LOCK</td> <td>ED OUT</td> <td>Γ.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2. CIR</td> <td>CUIT #52 FOR FU</td>	IR	CUIT #46 FOR FUTURE RADON FAN SH	ALL BE	LOCK	ED OUT	Γ.									2. CIR	CUIT #52 FOR FU
Branch Panel: PP1-1 Supply From: PP1-1 Mounting: Surface       Volts: 120/208 Wye       ALC. Rating: 22 KAIC Bus Material: CU Bus Rating: 125 A MCB Rating / MLC: 125 A MLC         T       Circuit Description       Trip       Poles       A       B       C       Bus Rating / MLC: 125 A MLC         T       Circuit Description       Trip       Poles       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55																	
Diality Participation FLEC E137 Supply From: PP1-1 Mounting: Surface       Volts: 120/208 Wye       ALC Rating: 22 KAIC Bus Material: CU       Supply From: PP1-1       Phases: 3       Bus Rating: //LC       Bus Rating: //LC       Bus Rating: //LC       Supply From: PP1-1       Phases: 3       Bus Rating: //LC       Bus Rating: //LC       Bus Rating: //LC       Bus Rating //LC       Supply From: PP1-1       Phases: 3       Bus Rating: //LC       Bus Rating //LC       Bus Rating //LC       Supply From: PP1-1       Phases: 3       Bus Rating //LC       Bus Rating //LC       Supply From: PP1-1       Phases: 3       Bus Rating //LC       Bus Rating //LC       Supply From: PP1-1       Phases: 3       Bus Rating //LC       Supply From: PP1-1       Phases: 3       Bus Rating //LC       Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2">Culspan="2"       Supply From: PP1-1       Culspan="2"       Culspan="2"       Culspan="2"       Culspan="2"       Culspan="2"	C	Pranch Danal: DD1 1	٨												F		
Vote: 1202 0V/9         Piale 1         Piale 122 Marting: 125 A           Supply For: PP1-1         Bus Materia: 125 A           Mounting: Surface         Wires: 4         Bus Materia: 125 A           Colspan="2">Mounting: Surface         Wires: 4         Bus Materia: 125 A           Mounting: Surface         Mounting: Surface         Mounting: Surface           Trip         Circuit Description         CKT           OVERHEAD DOOR - E101         20         Surface         Surface         Surface         Surface           Colspan="2">Surface         Surface         Surface         Surface         Surface           Colspan="2">Surface         Surface         Surface         Surface         Surface         Surface	L		A				Volter	120/20					ALC Bating: 22 KAIC			Branch Pa	
Mounting:         Surface Enclosure:         Wres:         Wres:         Wres:         Wres:         Base Rating:         125 A           I         Inclosure:         Trip         Pole         Inclosure:		Supply From: PP1-1				Р	hases:	3	Jo vvye				Bus Material: CU			l Supr	
MCB Rating / MLO: 125 A MLO           It         Circuit Description         Trip         Poles         It         Poles         Trip         Circuit Description         Circ		Mounting: Surface					Wires:	4					Bus Rating: 125 A			N N	
rt       Circuit Description       Trip       Poles       ···       Poles       Trip       Circuit Description       CKT         0       VERHEAD DOOR - E100       20 A       3       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55 <t< td=""><td></td><td>Enclosure: Type 1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>MCB</td><td>Rating / MLO: 125 A MLO</td><td></td><td></td><td>Er</td></t<>		Enclosure: Type 1										MCB	Rating / MLO: 125 A MLO			Er	
T       Circuit Description       Trip       Poles       Trip       Circuit Description       CKT         0VERHEAD DOOR - E101       20       3       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       <						A	1	3		C							
OVERHEAD DOOR - E101       20 A       3       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.	Т	Circuit Description	Trip	Poles	<b>;</b>						Poles	Trip	Circuit Description	СКТ	скт	Circuit	
<t< td=""><td></td><td>OVERHEAD DOOR - E101</td><td>20 A</td><td>3</td><td>0.55</td><td>0.55</td><td>0.55</td><td>0.55</td><td></td><td></td><td>3</td><td>20 A</td><td>UVERHEAD DOOR - E120</td><td>2</td><td>1</td><td>RECEPT - MDF E</td></t<>		OVERHEAD DOOR - E101	20 A	3	0.55	0.55	0.55	0.55			3	20 A	UVERHEAD DOOR - E120	2	1	RECEPT - MDF E	
OVERHEAD DOOR - E140       20 A       3       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0							0.00	0.00	0.55	0.55				6	3	RECEPT - B210	
-       -       -       -       0.55       0.55       -       -       -       -       10         -       -       -       -       0.55       0.55       0.55       -       -       -       12         0       0VERHEAD DOOR - F115       20 A       3       0.55       0.55       0.55       -       -       -       -       -       -       12         1       -       -       -       0.55       0.55       0.55       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		OVERHEAD DOOR - E140	20 A	3	0.55	0.55					3	20 A	OVERHEAD DOOR - F110	8	7	SMARTBOARD - I	
i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i       i							0.55	0.55	0.55	0.55			 	10	9	RECEPT - B202	
13       RLR (MEMA 605               16       15        15        15        15        15        15        15        16       17       RECEPT - B208       15        16       17       RECEPT - B208       19       RECEPT - B208       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10		OVERHEAD DOOR - F115	20 A	3	0.55	0.55			0.00	0.00	3	20 A	OVERHEAD DOOR - F110	14	11	RECEPT - B202,	
0.55       0.55         18       17       RECEPT - B208         0VERHEAD DOOR - F115       20 A       3       0.55       0.55           18       19       RECEPT - B208                 22       21       POKE THRU - B208                  22       23       SMARTBOARD       20       21       POKE THRU - B208       23       SMARTBOARD       25       RECEPT - B2011       23       SMARTBOARD       25       RECEPT - B211       27       RECEPT - B211       27       RECEPT - B211       29       POKE THRU - B208       21       20       21       20       21       20       21       20       21       20       21       20       21       20       21       20	_						0.55	0.55						16	13		
OVERHEAD DOOR - F115       2UA       3       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.55       0.	_				0.55	0.55			0.55	0.55				18	17	RECEPT - B208	
		UVERHEAD DOOK - F115	20 A	3	0.55	0.55	0.55	0.55			3	20 A	UVERHEAD DOOR - F110	20	19	RECEPT - B208	
OVERHEAD DOOR - F115       20 A       3       0.55       1.80       Image: Stress of the stre	_	<b></b>							0.55	0.55			<b></b>	24	21	SMARTBOARD -	
0.55         28       28            0.55       0.55         30             0.55         30             0.55         30               32              34             36         SPARE       20 A       3       0.00       0.00           36                40       39       SHE-9                40       39       SHE-9                40       39       SHE-9                41       SMARTBOARD - </td <td></td> <td>OVERHEAD DOOR - F115</td> <td>20 A</td> <td>3</td> <td>0.55</td> <td>1.80</td> <td>-</td> <td></td> <td></td> <td></td> <td>1</td> <td>20 A</td> <td>BMS (IP) PANEL - E127</td> <td>26</td> <td>25</td> <td>RECEPT - B211</td>		OVERHEAD DOOR - F115	20 A	3	0.55	1.80	-				1	20 A	BMS (IP) PANEL - E127	26	25	RECEPT - B211	
Image: Image		 					0.55		0.55					28	27	RECEPT - B211	
Image: Second secon									0.00					30	29	POKE THRU - B2	
Image: Note of the second					1	1			1				1		1		
SPARE     20 A     3     0.00     0.00     0.00     0.00     3     20 A     SPARE     38               40             40            40            40       39     SHEF-9       41     SMARTBOARD       S        42														34	33	AHU-2 LIGHTS	
Image: Indicating the state of the stat		00405				0.5					-			34	33 35	AHU-2 LIGHTS AHU-8 LIGHTS	
Plase Load:       6.77 kVA       4.97 kVA       4.97 kVA       4.97 kVA         s:       Phase       56.4 A       41.4 A       41.4 A		SPARE	20 A	3	0.00	0.00	0.00	0.00			3	20 A	SPARE	34 36 38 40	33 35 37	AHU-2 LIGHTS AHU-8 LIGHTS RECEPT - ROOF	
es: Phase 56.4 A 41.4 A 41.4 A 41.4 A 45 MODULAR FURM		SPARE  	20 A  	3	0.00	0.00	0.00	0.00	0.00	0.00	3  	20 A 	SPARE  	34 36 38 40 42	33 35 37 39 41	AHU-2 LIGHTS AHU-8 LIGHTS RECEPT - ROOF SHEF-9 SMARTBOARD	
		SPARE  	20 A  Plase	3  Load:	0.00	0.00	0.00	0.00 kVA	0.00	0.00 kVA	3  	20 A  	SPARE  	34       36       38       40       42	33 35 37 39 41 43	AHU-2 LIGHTS AHU-8 LIGHTS RECEPT - ROOF SHEF-9 SMARTBOARD - E RECEPT - E201	

Location: ELEC E240 Supply From: T-PP2-2 Mounting: Surface Enclosure: Type 1		1		Ρ	Volts: hases: Wires:	120/20 3 4	)8 Wye		Ę	МСВ	A.I.C. Rating: 22 KAIC RE1 Bus Material: MCB Bus Rating: 250 A Rating / MLO: 250 A MCB	
				4		в		C				
Circuit Description	Trip	Poles							Poles	Trip	Circuit Description	СКТ
	20 A	1	1.08	0.72					1	20 A	RECEPT -	2
ARD - E232	20 A	1			0.54	0.54			1	20 A	SMARTBOARD - E232	4
232	20 A	1					1.08	1.08	1	20 A	RECEPT - E232	6
232	20 A	1	1.08	1.08					1	20 A	RECEPT - E232	8
CH - E232	20 A	1			0.54	0.54			1	20 A	WORKBENCH - E232	10
CH - E232	20 A	1					0.54	0.54	1	20 A	WORKBENCH - E232	12
CH - E232	20 A	1	0.54	0.54					1	20 A	WORKBENCH - E232	14
CH - E232	20 A	1			0.54	0.54			1	20 A	WORKBENCH - E232	16
CH - E232	20 A	1					0.54	0.54	1	20 A	WORKBENCH - E232	18
CH - E232	20 A	1	0.54	0.54					1	20 A	WORKBENCH - E232	20
CH - E232	20 A	1			0.54	0.54			1	20 A	WORKBENCH - E232	22
CH - E232	20 A	1					0.54	0.54	1	20 A	WORKBENCH - E232	24
CH - E232	20 A	1	0.54	0.54					1	20 A	WORKBENCH - E232	26
CH - E232	20 A	1			0.54	0.54			1	20 A	WORKBENCH - E232	28
CH - E232	20 A	1					0.54	0.54	1	20 A	WORKBENCH - E232	30
CH - E232	20 A	1	0.54	0.54	1.00	0.00			1	20 A	WORKBENCH - E232	32
233, E234, E236	20 A	1			1.98	0.90	0.54	0.54	1	20 A	RECEPT - E232	34
ARD - E230	20 A	1	4.00	0.54			0.54	0.54	1	20 A	RECEPT - E215	36
-230	20 A	1	1.08	0.54	0.70	0.00			1	20 A	RECEPT - E215	38
-230	20 A	1			0.72	0.36			1	20 A	RECEPT - E215	40
-230	20 A	1					0.72	0.72	1	20 A	RECEPT - E215	42
-230	20 A	1	0.72	0.18					1	20 A	RECEPT - ROOF	44
=213, E214	20 A	1			0.78	0.00		0.00	1	20 A	SPARE	46
	20 A	1	0.00	0.00			0.00	0.00	1	20 A	SPARE	48
	20 A	1	0.00	0.00	0.00	0.40			1	20 A		50
	20 A	1			0.00	0.18	0.00	0.00	1	20 A		52
	20 A	1	0.54	0.54			0.00	0.00	1	20 A	SPARE	54
ARD - E210	20 A	1	0.54	0.54	0.00	0.00			1	20 A	SMARTBOARD - E212	50
210	20 A	1			0.90	0.90	0.70	0.70	1	20 A		58
210	20 A	1	0.72	0.72			0.72	0.72	1	20 A	RECEPT - E212	60
210	20 A	1	0.72	0.72	0.26	0.26			1	20 A	RECEPT - E212	64
210	20 A	1			0.30	0.30	0.72	0.72	1	20 A		66
216	20 A	1	0.72	0.72			0.72	0.72	1	20 A	RECEPT E212	69
216	20 A	1	0.72	0.72	0.36	0.36			1	20 A	RECEPT - E212	70
	20 A	1			0.50	0.50	0.72	1 20	1	20 A		70
	20 A	1	0.70	0.54			0.72	1.20	1	20 A	RECEPT - M106	7/
/107	20 A	1	0.70	0.04	0.36	1.80			1	20 A	IDE-1 CONTROL PANEL - M105	76
TROL PANEL - M105	20 A	1			0.00	1.00	1 80	1 20	1	20 A		78
	20 A	1	1 20	1 80			1.00	1.20	1	20 A	MECH POWER PACK PANEL - M108	80
VER PACK PANEL - M105	20 A	1	1.20	1.00	1 80	1 80			1	20 A	MECH POWER PACK PANEL - M106	82
VER PACK PANEL - M104	20 A	1					1.80	1.80	1	20 A	MECH, POWER PACK PANEL - M107	84
VER PACK PANEL - M102	20 A	1	1.80	1.80					1	20 A	MECH. POWER PACK PANEL - M103	86
NEL - M102	20 A	1			1.80	1.80			1	20 A	CO/NO2 PANEL - M103	88
<u> </u>												90
												92
												94
												96
												98
												100
												102
												104
	20 A	1			0.00	0.00			1	20 A	SPARE	106
	20 A	1					0.00	0.00	1	20 A	SPARE	108
	Plase	Load:	22.60	) kVA	22.92	2 kVA	20.40	kVA				1
	Phase	)	191	.1 A	193	.8 A	17	0 A	1			

I INTEGRAL SPD DEVICE. DR FUTURE RADON FAN SHALL BE LOCKED OUT.

# n Panel: PP3-2

	Enclosure: Type 1										MCB	Rating / MLO: 350 A MCB	
					4	E	3		C				
СКТ	Circuit Description	Trip	Poles							Poles	Trip	Circuit Description	СКТ
1	RECEPT - MDF E205	20 A	1	0.72	0.54					1	20 A	RECEPT - B201	2
3	RECEPT - B210	20 A	1			0.72	0.54			1	20 A	RECEPT - B201	4
5	RECEPT - B202	20 A	1					0.72	0.72	1	20 A	RECEPT - B205	6
7	SMARTBOARD - B202	20 A	1	0.54	0.54					1	20 A	SMARTBOARD - B205	8
9	RECEPT - B202	20 A	1			0.90	0.90			1	20 A	RECEPT - B205	10
11	RECEPT - B202, B203, B204	20 A	1					0.90	0.36	1	20 A	RECEPT - B205	12
13	KILN (NEMA 605OR) - B203	50 A	2	4.16	0.72					1	20 A	RECEPT - B213	14
15						4.16	0.90			1	20 A	RECEPT - B213	16
17	RECEPT - B208	20 A	1					0.36	0.72	1	20 A	RECEPT - B209	18
19	RECEPT - B208	20 A	1	0.90	0.54					1	20 A	SMARTBOARD - B212	20
21	POKE THRU - B208	20 A	1			0.18	0.72			1	20 A	RECEPT - B212	22
23	SMARTBOARD - B211	20 A	1					0.54	0.90	1	20 A	RECEPT - B212	24
25	RECEPT - B211	20 A	1	0.72	0.72					1	20 A	POKE THRU - B212	26
27	RECEPT - B211	20 A	1			0.90	0.90			1	20 A	RECEPT - E220, E243, E246	28
29	POKE THRU - B211	20 A	1					0.72	1.20	1	20 A	AHU-1 LIGHTS	30
31	DOAS-1 LIGHTS	20 A	1	1.20	1.20					1	20 A	AHU-3 LIGHTS	32
33	AHU-2 LIGHTS	20 A	1			1.20	0.86			1	15 A	EF-K1	34
35	AHU-8 LIGHTS	20 A	1					1.20	0.86	1	15 A	EF-4	36
37	RECEPT - ROOF	20 A	1	0.54	0.70					1	15 A	EF-6	38
39	SHEF-9	15 A	1			0.86	1.18			1	20 A	EF-3	40
41	SMARTBOARD - E201	20 A	1					0.54	0.54	1	20 A	SMARTBOARD - E204	42
43	RECEPT - E201	20 A	1	0.90	0.90					1	20 A	RECEPT - E204	44
45	MODULAR FURN - E201	20 A	1			0.72	0.72			1	20 A	MODULAR FURN - E204	46
47	MODULAR FURN - E201	20 A	1					0.72	0.72	1	20 A	MODULAR FURN - E204	48
49	MODULAR FURN - E201	20 A	1	0.72	0.72				0.1.2	1	20 A	MODULAR FURN - E204	50
51	MODULAR FURN - E201	20 A	1	0.12	0.72	0.72	0.72			1	20 A	MODULAR FURN - F204	52
53	MODULAR FURN - E201	20 A	1			0.72	0.12	0.72	0.36	1	20 A	MODULAR FURN - F204	54
55	MODULAR FURN - E201	20 A	1	0.72	0.72			0.12	0.00	1	20 A	MODULAR FURN - F204	56
57	MODULAR FURN - E201	20 A	1	0.12	0.12	0.72	0.72			1	20 A	MODULIAR FURN - F204	58
59	MODULAR FURN - E201	20 A	1			0.72	0.12	0.72	0.72	1	20 A	MODULIAR FURN - F204	60
61		20 A	1	0.72	0.72			0.72	0.72	1	20 A		62
63	RECEPT - E203	20 A	1	0.72	0.72	0.72	0.72			1	20 A	RECEPT - E203	64
65	PECEDT E203	20 A	1			0.72	0.72	0.72	0.72	1	20 A		66
67		20 A	1	0.36	1.08			0.72	0.72	1	20 A		68
60		20 A	1	0.50	1.00	0.00	0.72			1	20 A		70
71	RECEPT E210 E211	20 A	1			0.90	0.72	0.78	0.36	1	20 A		70
72		20 A	1	0.72	0.54			0.70	0.50	1	20 A		74
75	RECEPT - SERVER/RACK E202	20 A	1	0.72	0.54	0.54	0.00			1	20 A	BECERT E220	74
75		20 A	1			0.54	0.90	0.00	0.72	1	20 A	RECEPT - E229	70
70	DRTER - E225	30 A	2	0.00	0.70			0.09	0.72	1	20 A	RECEPT - E229	/0
19				0.09	0.72	0.40	1 4 4				20 A		<u> </u>
01		20 A				0.18	1.44	0.70	0.70		20 A	REVEP1 = EZZI, EZZD	→ ŏ∠
٥ <i>٢</i>		20 A	1	0.40	4 50			0.72	0.72	1	20 A		84
85	RECEPT - E223	20 A	1	U.18	1.50	0.42	0.00			1	20 A		86
<u>۲</u>		20 A	1			U.18	0.36	0.15	0.15	1	20 A	RECEPT - E238	88
89	RECEPT - E226	20 A	1	0 = :	0.15			0.18	0.18	1	20 A	RECEPT - M101	90
91	SMARIBOARD - B208	20 A	1	0.54	0.40					1	20 A	EWC - B215	92
93	FUTURE RADON FAN	20 A	1			0.18	0.18		6	1	20 A	FUTURE RADON FAN	94
95	RECEPT - M104	20 A	1	6	6			0.36	0.54	1	20 A	RECEPT - M105	96
97	FUTURE RADON FAN	20 A	1	0.50	0.18		$\sim$	$\sim$			20 A	FUTURE RADON FAN	→ <sup>98</sup>
99	SPARE	20 A	1			0.00	0.00				20 A	SPARE	100
101	SPARE	20 A	1					0.00	0.18		20 X	ELEVATOR RECEPT, TOP OF SHAFT	102
103	SPACE			0.00	10.08					3	125 A	PP3-2A	104
105	SPACE					0.00	9.18						106
107	SPACE							0.00	9.36				108
		Plase	Load:	36.75	5 kVA	35.44	kVA	29.87	7 kVA				
otes		Phase		313	.4 A	302	.5 A	24	9 A	]			
PR	OVIDE WITH INTEGRAL SPD DEVICE.												

E	Branch Panel: PP3-2	4											
	Location: ELEC CLOSE	T E243	3			Volts:	120/20	8 Wve				A.I.C. Rating: 22 KAIC	
	Supply From: PP3-2				Pł	nases:	3	- ,				Bus Material: CU	
	Mounting: Surface					Wires:	4					Bus Rating: 125 A	
	Enclosure: Type 1										MCB I	Rating / MLO: 125 A MLO	
				ļ	<b>۱</b>	E	3	C	;				
СКТ	<b>Circuit Description</b>	Trip	Poles							Poles	Trip	Circuit Description	СКТ
1	RECEPT - E222, E224	20 A	1	1.26	0.90					1	20 A	RECEPT - E245	2
3	RECEPT - E244, E245	20 A	1			0.90	0.72			1	20 A	RECEPT - E224	4
5	RECEPT, VANITY UNIT - E224	20 A	1					0.36	0.36	1	20 A	RECEPT, VANITY UNIT - E224	6
7	RECEPT, VANITY UNIT - E224	20 A	1	0.36	0.36					1	20 A	RECEPT, VANITY UNIT - E224	8
9	RECEPT, VANITY UNIT - E224	20 A	1			0.36	0.36			1	20 A	RECEPT, VANITY UNIT - E224	10
11	RECEPT, VANITY UNIT - E244	20 A	1					0.36	0.36	1	20 A	RECEPT, VANITY UNIT - E244	12
13	RECEPT, VANITY UNIT - E244	20 A	1	0.36	0.36					1	20 A	RECEPT, VANITY UNIT - E244	14
15	RECEPT, VANITY UNIT - E244	20 A	1			0.36	0.36			1	20 A	RECEPT, VANITY UNIT - E244	16
17	RECEPT, VANITY UNIT - E224	20 A	1					0.36	0.36	1	20 A	RECEPT, VANITY UNIT - E224	18
19	RECEPT, VANITY UNIT - E224	20 A	1	0.36	0.36					1	20 A	RECEPT, VANITY UNIT - E224	20
21	RECEPT, VANITY UNIT - E224	20 A	1			0.36	0.36			1	20 A	RECEPT, VANITY UNIT - E224	22
23	RECEPT, VANITY UNIT - E244	20 A	1					0.36	0.36	1	20 A	RECEPT, VANITY UNIT - E224	24
25	RECEPT, VANITY UNIT - E244	20 A	1	0.36	0.36					1	20 A	RECEPT, VANITY UNIT - E244	26
27	RECEPT, VANITY UNIT - E244	20 A	1			0.36	0.36			1	20 A	RECEPT, VANITY UNIT - E244	28
29	RECEPT, VANITY UNIT - E224	20 A	1					0.36	0.36	1	20 A	RECEPT, VANITY UNIT - E224	30
31	RECEPT, VANITY UNIT - E224	20 A	1	0.36	0.36					1	20 A	RECEPT, VANITY UNIT - E224	32
33	RECEPT, VANITY UNIT - E224	20 A	1			0.36	0.36			1	20 A	RECEPT, VANITY UNIT - E224	34
35	RECEPT, VANITY UNIT - E244	20 A	1					0.36	0.36	1	20 A	RECEPT, VANITY UNIT - E244	36
37	RECEPT, VANITY UNIT - E244	20 A	1	0.36	0.36					1	20 A	RECEPT, VANITY UNIT - E244	38
39	RECEPT, VANITY UNIT - E244	20 A	1			0.36	0.36			1	20 A	RECEPT, VANITY UNIT - E244	40
41	RECEPT, SHAMPOO & CABINET - E244	20 A	1					0.36	2.88	1	25 A	RECEPT, HAIR DRYER - E224	42
43	RECEPT, SHAMPOO & CABINET - E244	20 A	1	0.36	2.88					1	25 A	RECEPT, HAIR DRYER - E224	44
45	RECEPT, SHAMPOO & CABINET - E244	20 A	1			0.36	2.88			1	25 A	RECEPT, HAIR DRYER - E224	46
47	RECEPT, SHAMPOO & CABINET - E224	20 A	1					0.36	1.44	1	25 A	RECEPT, HAIR DRYER - E224	48
49	RECEPT	20 A	1	0.18	0.18					1	20 A	WIG DRYER - E244	50
51	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	52
53	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	54
		Plase	Load:	10.08	3 kVA	9.18	kVA	9.36	kVA	'		·	
Notes:		Phase		84.	2 A	76.	5 A	78.	2 A				

### Branch Panel: PP4-1 Location: ELEC CLOSET C128 Supply From: PP6-1 Mounting: Surface Enclosure: Type 1 CKT Circuit E 1 RECEPT - C132 **Circuit Description** Trip Po 20 A 20 A 3 FLOOR BOXES - C117, C118 5 RECEPT - C117 7 REF - C117 20 A 20 A 20 A 20 A 9 RECEPT - C110 11 RECEPT - C111 13 RECEPT - C112 20 A 20 A 15 RECEPT - C112 20 A 20 A 17 RECEPT - C112 19 FLOOR BOX - C112 21 RECEPT - C152, C153, C154 20 A 20 A 20 A 20 A 23 RECEPT - C150, C151, C152 25 RECEPT - C135, C138 27 RECEPT - C144 29 RECEPT - C144 20 A 20 A 20 A 20 A 31 RECEPT 33 MONITOR - B160 35 FLOOR BOX - B158 37 SPARE 20 A 20 A 20 A 39 SPARE

41 SPARE Plase Load Notes: 1. PROVIDE WITH INTEGRAL SPD DEVICE. Phase...

# Branch Banaly DD5 1

	Mounting: Surface Enclosure: Type 1				P	hases: Wires:	3 4				MCB	Bus Material: CU Bus Rating: 600 A Rating / MLO: 500 A MCB	
					4		в		C				
СКТ	Circuit Description	Trip	Poles	0.70	0.54					Poles	Trip	Circuit Description	CK
1	RECEPT - A128, A129	20 A	1	0.72	0.54	0.40	0.54			1	20 A	RECEPT - A130	2
3	WASHER - A120	20 A	1			0.18	0.54	0.40	0.00	1	20 A	RECEPT - A129	4
5	DRYER - A120	30 A	2	0.40	474			2.10	0.90	1	20 A	RECEPT - A123	6
<u> </u>				2.10	1.74	0.00	4.00			1	20 A	RECEPT - A120, A121, A124, A125	8
9	RECEPT - A112	20 A	1			0.90	1.26			1	20 A	RECEPT - A115, A116	10
11	RECEPT - A108	20 A	1					0.78	0.90	1	20 A	RECEPT - A115, A118	12
13	RECEPT - A107, A108	20 A	1	1.26	0.90					1	20 A	RECEPT - A117	14
15	SOUND SYSTEM RACK - A123	20 A	1			0.36	0.40			1	20 A	EWC - A106	16
17	RECEPT - A123	20 A	1					0.72	0.48	1	20 A	SCOREBOARD - A123	18
19	RECEPT - A123	20 A	1	0.72	0.18					1	20 A	DIVIDER CURTAIN - A123	20
21	MOTORIZED BACKBOARD - A123	20 A	1			1.14	1.14			1	20 A	MOTORIZED BACKBOARD - A123	22
23	MOTORIZED BACKBOARD - A123	20 A	1					1.14	1.14	1	20 A	MOTORIZED BACKBOARD - A123	24
25	MOTORIZED BACKBOARD - A123	20 A	1	1.14	1.14					1	20 A	MOTORIZED BACKBOARD - A123	26
27	MOTORIZED BLEACHERS - A123	20 A	3			1.32	1.32			3	20 A	MOTORIZED BLEACHERS - A123	28
29								1.32	1.32				30
31				1.32	1.32								32
33	MOTORIZED BLEACHERS - A123	20 A	3			1.32	1.32			3	20 A	MOTORIZED BLEACHERS - A123	34
35						1.02	1.02	1.32	1.32				36
37				1 32	1 32			1.02	1.02				38
20		20 4	1	1.02	1.02	1.09	1.20			1	20.4		40
39		20 A				1.00	1.20	0.70		- I	20 A	MASTER CLOCK AND PA HEAD-END	40
41	RECEPT - IDF B128	20 A		1.00	0.00			0.72			00.4		42
43	GMU-2	25 A	1	1.66	0.36	0.00	0.00			1	20 A		44
45	RECEPT - A102	20 A	1			0.90	0.36			1	20 A	FLOOR BOX, EXERCISE BIKE - A101	46
47	FLOOR BOX, RECUMBANT BIKE - A101	20 A	1					0.36	0.36	1	20 A	FLOOR BOX, EXERCISE BIKE - A101	48
49	FLOOR BOX, RECUMBANT BIKE - A101	20 A	1	0.36	0.36					1	20 A	FLOOR BOX, ELLIPTICAL - A101	50
51	FLOOR BOX, ELLIPTICAL - A101	20 A	1			0.36	0.36			1	20 A	FLOOR BOX, EXERCISE BIKE - A101	52
53	FLOOR BOX, ELLIPTICAL - A101	20 A	1					0.36	0.54	1	20 A	MONITORS - A101	54
55	IRRIGATION CONTROL - A107	20 A	1	0.68	0.78					1	15 A	INSTRUCTIONAL STUDENT WELL PWR.	56
57	ELECTRIC VEHICLE CHARGER	40 A	2			4.16	4.16			2	40 A	ELECTRIC VEHICLE CHARGER	58
59								4.16	4.16				60
61	FLOOR BOX, TREADMILL - A101	20 A	1	0.36	0.36					1	20 A	FLOOR BOX, TREADMILL - A101	62
63	FLOOR BOX, RECUMBANT BIKE - A101	20 A	1			0.36	0.36			1	20 A	FLOOR BOX, RECUMBANT BIKE - A101	64
65	FLOOR BOX, ROW MACHINE - A101	20 A	1					0.36	0.36	1	20 A	FLOOR BOX, ROW MACHINE - A101	66
67	CAC-1 & CAC-2	20 A	2	0.13	1.08					1	20 A	FLOOR BOX - SCORERS TABLE A133	68
69						0.13	0.36			1	20 A	SOUND SYSTEM RACK - A123	70
71										-			72
73													74
75	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	76
77	SPARE	20 4	1			0.00	0.00	0.00	0.00	1	20 4	SPARE	78
70	SPARE	20 4	1	0.00	27 60			0.00	0.00	2	300 4	PP5-1A	20
21 Q1	SPARE	20 7	1	0.00	21.09	0.00	20.40			5	500 A		00
<u>01</u>		20 A	1			0.00	29.40	0.00	27 15			 	02
00	JFARE		l ood:	10 51		EA A		0.00 E1.0	21.13 7 k)/A				04
1.7		ridse	LOad:	49.5		04.40		51.97		-			

		P	worts: hases: Wires:	3 4	o wye			МСВ	Bus Material: CU Bus Rating: 125 A Rating / MLO: 125 A MCB	
oles		4	E	3		C	Poles	Trip	Circuit Description	СКТ
1	1.08	1.08					1	20 A	RECEPT - C108	2
1			0.36	1.08			1	20 A	RECEPT - C104, C105, C106	4
1					1.08	0.90	1	20 A	RECEPT - C101, C102, C103	6
1	1.50	1.80					1	20 A	RECEPT - C114, C115, C116	8
1			0.54	1.08			1	20 A	RECEPT - C119	10
1					0.72	0.90	1	20 A	RECEPT - C119	12
1	0.36	0.90					1	20 A	RECEPT - C130	14
1			0.72	0.72			1	20 A	RECEPT - C155, C157	16
1					1.08	0.90	1	20 A	RECEPT - C146	18
1	0.18	0.72					1	20 A	RECEPT - C148	20
1			1.08	0.90			1	20 A	RECEPT - C149	22
1					1.08	1.62	1	20 A	RECEPT - C139, C140, C141	24
1	0.72	0.72					1	20 A	RECEPT - C136	26
1			0.36	1.50			1	20 A	REF - C136	28
1					1.26	0.18	1	20 A	FLOOR BOX - C144	30
1	0.54	0.54					1	20 A	SMARTBOARD - C144	32
1			0.18	1.00			1	20 A	DOOR CONTROL	34
1					0.72					36
1	0.00	0.00					1	20 A	SPARE	38
1			0.00	0.00			1	20 A	SPARE	40
1					0.00	0.00	1	20 A	SPARE	42
ad:	10.14 85.	kVA 3 A	9.52 79.	kVA 3 A	10. <del>4</del> 4 87.	kVA 8 A				

### **100% CONSTRUCTION DOCUMENTS** drawing title

ELE PAN	CTRICAL	RDS	STAT	E OF CON	NECTICU ATIVE SERVICES	JT
	R	EVISIONS	drawing prepared I	by		date
mark	date	description	Consulting	Engineering Services	s, Inc.	05/24/2019
1	07/23/2019	ADDENDUM #1	811 Middle St., Middleto	own, CT 06457		scale
						drawn by vjм
			project			approved by
			ADDITIONS	AND RENOVATIONS	S	RSM
			PLATT TECI 600 Orange Avenue	HNICAL HIGH SCHO Milford, CT 06461	OL	drawing no.
			CAD no.	DCS project no. ві-ят-878 см-я	OSCGR project no. 900-0013	E8-1-3

Branch Panel: SP-3			Branch Panel: SP-6			Branch Panel: MEP1-1			Branch Panel: ME	P3-2		
Location: CARPENTR Supply From: T-SP-3 DIS Mounting: Surface Enclosure: Type 1	RY E140       Volts: 120/208 Wye         SC.       Phases: 3         Wires: 4       Model	A.I.C. Rating: 22 KAIC Bus Material: CU Bus Rating: 600 A CB Rating / MLO: 600 A MLO	Location: ELECTRICAL E114 Supply From: LDSB-1 Mounting: Surface Enclosure: Type 1	Volts: 120/208 Wye Phases: 3 Wires: 4	A.I.C. Rating: 22 KAIC Bus Material: CU Bus Rating: 400 A MCB Rating / MLO: 400 A MLO	Location: ELEC E137 Supply From: DSB-1 Mounting: Surface Enclosure: Type 1	Volts: 480/277 Wye Phases: 3 Wires: 4	A.I.C. Rating: 35 KAIC Bus Material: CU Bus Rating: 400 A MCB Rating / MLO: 300 A MCB	Location: ELEC C Supply From: DSB-1 Mounting: Surface Enclosure: Type 1	LOSET E246	Volts: 480/277 Wye Phases: 3 Wires: 4	A.I.C. Rating: 35 KAIC Bus Material: MCB Bus Rating: 600 A MCB Rating / MLO: 500 A MCB
CKT Circuit Description	Image: Non-Strip         Poles         A         B         C         Poles         Trip           100 A         3         6.00         16.57         3         20	rip Circuit Description CKT	CKT     Circuit Description     Trip     Poles       1     54 POLE. 120/208V. 3-PH. 4W PANEL     225 A     3     0.00	B C Pole	es Trip Circuit Description Cl 100 A 30 POLE. 120/208V. 3-PH. 4W PANEL 2	KT     CKT     Circuit Description     T       2     1     SHEF-1     1	A         B         C           Trip         Poles	Poles     Trip     Circuit Description     CK       3     15 A     SHEF-3     2	CKT Circuit Description	Trip         Poles           40 A         3         5.81	A B C Pole	s Trip Circuit Description CKT
3 5 7 200A BUS DUCT 'BD-C'	6.00     16.57           6.00     16.57         200 A     3     13.68     8.40     3     11	4 6 0 A CP26 - CNC ROUTER 8	3          5          7     18 POLE, 120/208V, 1-PH, 3W PANEL     60 A     2     0.00	0.00 0.00 0.00 0.00 0.00 0.00 2	2 6 60 A 18 POLE, 120/208V, 1-PH, 3W PANEL 8	4         3            6         5            3         7         SHEF-5         1	0.58 1.33 0.58 1.33 5 A 3 0.94 2.10	4 33 6 3 20 A VEE-1	3 5 7 DOAS-1 - ER-1	  15 A 3 0.58	5.81     3.87        5.81     5.81     3.87       5.81     3.87     3	4             6           40 A         AHU-1 - SA-1         8
9 11 13 CP17A - SCROLL SAW	13.68     8.40           13.68     8.40         20 A     1     0.96     5.52     3     80	10 12 A CNC ROLITER VACIUM PLIMP 14	9              11         18 POLE, 120/208V, 1-PH, 3W PANEL         60 A         2           13            0.00	0.00 0.00 0.00 0.00 0.00 2	1           60 A         18 POLE, 120/208V, 1-PH, 3W PANEL         1             1	0     9        2     11        4     13     VEE-2	0.94 2.10 0.94 2.10 5 A 3 1.33 0.94	10 10 12 3 15 A DC-1 ROTARY	9 11 13 AHU-1 - SA-2	  40 A 3 5.81	0.58         5.81            0.58         5.81            0.58         5.81            3.04         3         3	10             12           20 A         AHU-1 - RA-1         14
15     CP17B - SCROLL SAW       17     DOOR MACHINE	20 A       1       0.00       0.02	16 18 18	10         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         10         0         10         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0         54         0	0.00 17.33 3 0.00 17.33 7.33	200 A 200A BUS DUCT 1 1 200 A 200A BUS DUCT 1	10         VEI 2         1           6         15          1           8         17          1           0         10         DC 1 FAN         7	1.33 0.94 1.33 0.94 1.33 0.94	16 16 18 18	15 17 19 AHUL1 - RA-2	  20 A 3 3.04	5.81         3.04            5.81         3.04            5.81         3.04	16 18 40.4 AHU-2 - SA-1 20
19            21            23         CORD REEL           25         CORD REEL	4.33       0.55	22 24	19         RECEPT         20 A         1         0.34           21         RECEPT         20 A         1         1           23         WORKBENCH CORD REEL         20 A         1         1	7.33	20 A         CORD REEL         2           20 A         CORD REEL         2           20 A         CORD REEL         2	13         DC-TFAN         7           2         21          2           4         23          2	9.41     14.39           9.41     14.39          9.41     14.39	3         90 A         DC-2 FAN         20              22           39           24           2         60 A         DLASMA CLITTEE         DLUMPING F101         26	21 23 25 AHU 2 SA 2		3.04         5.81            3.04         5.81            3.04         5.81	22         22         24
25 CORD REEL 27 CORD REEL 29 SPARE	20 A       1       0.54       0.54       1       20         20 A       1       0.54       0.54       0.00       0.54       1       20	DA     CORD REEL     26       DA     CORD REEL     28       DA     CORD REEL     30	25       WORKBENCH CORD REEL       20 A       1       0.54         27       WORKBENCH CORD REEL       20 A       1       1         29       WORKBENCH CORD REEL       20 A       1       1	0.54         0.54         1           0.54         0.54         1           0.54         0.54         0.54	20 A     CORD REEL     2       20 A     CORD REEL     2       20 A     CORE REEL     3	25         DC-2 ROTARY         1           18         27          1           0         29          1	15 A     3     0.94     10.23           0.94     10.23          0.94     10.23     10.23	3         60 A         PLASMA CUTTER - PLUMBING E101         26              28           23           30	25 AHU-2 - SA-2 27 29	40 A 3 5.81	2.10             5.81         2.10            5.81         2.10	15 A     AH0-2 - RA-1     26         28         30
31     SPARE       33     SPARE       35     SPARE	20 A       1       0.00       0.00       1       20         20 A       1       0.00       0.00       0.00       1       20         20 A       1       0.00       0.00       0.00       1       20         20 A       1       0.00       0.00       0.00       1       20	DA         SPARE         32           DA         SPARE         34           DA         SPARE         36	31         WORKBENCH CORD REEL         20 A         1         0.54           33         WORKBENCH CORD REEL         20 A         1         1           35         CORD REEL         20 A         1         1	0.54         0.54         1           0.54         0.54         1           0.54         0.54         0.00         1	20 A         CORD REEL         3           20 A         CORD REEL         3           20 A         SPARE         3	2         31         DC-2 SHAKER         1           4         33              6         35	15 A     3     0.44     7.36           0.44     7.36          0.44     7.36     0.44	3         60 A         WELDER - PLUMBING E101         32              34           36           36	31         AHU-2 - RA-2           33            35	<u> </u>	5.81     3       2.10     5.81       2.10     5.81       2.10     5.81	40 A     AHU-3 - SA-1     32         34         36
37SPACE39SPACE41SPACE	0.00       0.00 <td< td=""><td> SPACE 38  SPACE 40  SPACE 42</td><td>37         SPARE         20 A         1         0.00           39         SPARE         20 A         1            41         SPARE         20 A         1</td><td>0.00         Image: constraint of the state of the</td><td>20 A         SPARE         3           20 A         SPARE         4           20 A         SPARE         4           20 A         SPARE         4</td><td>8         37         AC-1         9           0         39          2         41          2</td><td>00 A       3       14.40       1.33             14.40       1.33            14.40       1.33       14.40</td><td>3         15 A         SHEF-11         38              40           33           42</td><td>37         AHU-3 - SA-2           39            41        </td><td>40 A 3 5.81  </td><td>2.10         3           5.81         2.10           5.81         2.10           5.81         2.10</td><td>15 A     AHU-3 - RA-1     38         40         42</td></td<>	SPACE 38 SPACE 40 SPACE 42	37         SPARE         20 A         1         0.00           39         SPARE         20 A         1            41         SPARE         20 A         1	0.00         Image: constraint of the state of the	20 A         SPARE         3           20 A         SPARE         4           20 A         SPARE         4           20 A         SPARE         4	8         37         AC-1         9           0         39          2         41          2	00 A       3       14.40       1.33             14.40       1.33            14.40       1.33       14.40	3         15 A         SHEF-11         38              40           33           42	37         AHU-3 - SA-2           39            41	40 A 3 5.81  	2.10         3           5.81         2.10           5.81         2.10           5.81         2.10	15 A     AHU-3 - RA-1     38         40         42
Notes:	Plase Load:         57.09 kVA         57.09 kVA         56.13 kVA           Phase         477 A         477 A         467.8 A		Plase Load:20.03Notes:Phase166.	KVA         20.57 kVA         20.03 kVA           A         171.4 A         166.9 A		43           45           47	2.10     2.10       2.10     2.10       2.10     2.10	3         20 A         SHEF-12         44              46           10           48	43         AHU-3 - RA-2           45            47	15 A 3 2.10 	7.47	60 A         AHU-8 - SA-1         44             46             48
						49         SPARE         6           51          53	30 A     3     0.00     0.00           0.00     0.00          0.00     0.00     0.00	3         15 A         SPARE         50             52         52           00           54	49         AHU-8 - SA-2           51            53	60 A 3 7.47 	3.04          3           7.47         3.04            7.47         3.04	20 A         AHU-8 - RA-1         50             52             54
Branch Panel: SP-4		ALC Pating: 22 KAIC	Branch Panel: SP-7	Volts: 120/208 W/ve	AIC Pating: 22 KAIC	PI Notes: Pł CIRCUIT BREAKERS FOR PLASMA CUTTER (POS	Iase Load:         67.82 kVA         67.82 kVA         67.82 kVA           hase         244.8 A         244.8 A         244.8 A           S. 26, 28, 30)         AND WELDER         (POS. 32, 34, 36) REQ	A	55         AHU-8 - RA-2           57            59	20 A 3 3.04 	3.87	25 A         ERV-M1 - SA         56             58             60
Supply From: LDSB-1 Mounting: Surface	Phases: 3 Wires: 4	Bus Rating: 1000 A	Supply From: LDSB-1 Mounting: Surface	Phases: 3 Wires: 4	Bus Rating: 225 A				61 ERV-M1 - EXH 63 65	20 A 3 3.04	3.87	25 A         ERV-1 - SA         62             64             66
Enclosure: Type 1	A B C	CB Rating / MLO: 1000 A MLO	A	вс	MCB Rating / MLO: 225 A MLO	Branch Panel: MEP2-2			67 ERV-1 - EXH 69	20 A 3 3.04	3.87         3.04         3.87         3.04         3.87            3.04         3.87	25 A         ERV-2 - SA         68             70
CKT         Circuit Description           1         400A BUS DUCT 'BD-C'           3	Trip         Poles         Poles         Poles         Trip           400 A         3         35.91         36.84           3         40             35.91         36.84           3         40	rip         Circuit Description         CKT           0 A         400A BUST DUCT 'BD-B'         2             4	CKT     Circuit Description     Trip     Poles       1     PL01 - CONDENSING GAS BOILER     15 A     1     0.21       3     PL03 - CONDENSING GAS BOILER     15 A     1	D.21         O.21         O.21 <tho.21< th="">         O.21         O.21         <tho< td=""><td>Prip         Circuit Description         Cline           15 A         PL02 - CONDENSING GAS BOILER         2           15 A         PL04 - GAS BOILER         2</td><td>KT     Location:     ELEC E240       2     Supply From:     DSB-1       4     Mounting:     Surface</td><td>Volts: 480/277 Wye Phases: 3 Wires: 4</td><td>A.I.C. Rating: 35 KAIC Bus Material: CU Bus Rating: 400 A</td><td>71 73 ERV-2 - EXH 75</td><td>20 A 3 3.04</td><td>0.83         3.04         3.04         3.04           3.04         0.83        </td><td>          72           15 A         EF-V3         74             76</td></tho<></tho.21<>	Prip         Circuit Description         Cline           15 A         PL02 - CONDENSING GAS BOILER         2           15 A         PL04 - GAS BOILER         2	KT     Location:     ELEC E240       2     Supply From:     DSB-1       4     Mounting:     Surface	Volts: 480/277 Wye Phases: 3 Wires: 4	A.I.C. Rating: 35 KAIC Bus Material: CU Bus Rating: 400 A	71 73 ERV-2 - EXH 75	20 A 3 3.04	0.83         3.04         3.04         3.04           3.04         0.83	72           15 A         EF-V3         74             76
5 7 225A BUS DUCT 'BD-A' 9	35.91       36.84           225 A       3       13.08       0.60        1       20           13.08       0.60        1       20	6           O A         MS21A - CMM         8           O A         MS21B - CMM         10	5         PL05 - GAS BOILER         15 A         1           7         PL06 - LP BOILER         15 A         1         0.72           9         PL08 - OIL BOILER         15 A         1         1	0.76         0.96         1           0.21           1           0.30         0.21          1	15 A         PL15 - GAS WATER HEATER         66           15 A         PL10 - LP BOILER         8           15 A         PL11 - LP BOILER         1	6         Enclosure: Type 1           3         0	A B C	MCB Rating / MLO: 400 A MCB	77 79 SHEF-13 81	<u> </u>	0.30         3.04         0.83            0.30         3         3         3           0.94         0.30	78           15 A         SHEF-14         80             82
1113FLOOR BOXES15FLOOR BOXES	13.08         0.54         1         20           20 A         1         0.36         0.54          1         20           20 A         1         0.36         0.54          1         20           20 A         1          0.36         0.54          1         20	DA         RECEPT         12           DA         RECEPT         14           DA         RECEPT         16	11         PL07 - LP WATER HEATER         15 A         1           13         PL13 - LP WATER HEATER         15 A         1         0.37           15         PL17 - ELECTRIC WATER HEATER         30 A         2	0.02         0.21         1           0.96         2.25         0.50         1	15 A         PL12 - OIL BOILER         1           15 A         PL14 - LP WATER HEATER         1           20 A         SUMP PIT EJECTOR         1	CKT         Circuit Description         T           4         1         AHU-9 - SA-1         4           6         3          4	Poles          5.81         5.81           5.81         5.81	Poles         Trip         Circuit Description         CK           3         40 A         AHU-9 - SA-2         2              4	83            85         -           87         -			<b>*************************************</b>
<ul><li>17 FLOOR BOXES</li><li>19 RECEPT</li><li>21 RECEPT</li></ul>	20 A       1	DARECEPT18DARECEPT20DACORD REFI22	17               19         PL22 - MIG WELDER         50 A         1         2.40           21         PL27 - PIPE THREADING MACHINE         25 A         1	2.25         2.25         2           2.25         2.40         2.90	30 A         PL16 - ELECTRIC WATER HEATER         1             2           50 A         PL25 - MIG WELDER         2	8         5          7           0         7         AHU-9 - RA-1         2           2         9	5.81 5.8 20 A 3 3.04 3.04 3.04 3.04	31           6           3         20 A         AHU-9 - RA-2         8              10	89           91           93			90 92 92 94
23 CORD REEL 25 CORD REEL 27 CORD REEL	20 A       1       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	A     CORD REEL     24       A     CORD REEL     26       A     CORD REEL     28	23         PL29 - PIPE THREADING MACHINE         20 A         1           25         PL31 - DRILL PRESS         20 A         1         1.80           27         WORKBENCH CORD REEL         20 A         1         1	1.18         1.18         1           0.84         1         1           0.54         0.54         1	20 A       PL28 - PIPE THREADING MACHINE       2         20 A       PL30 - PEDESTAL GRINDER       2         20 A       WORKBENCH CORD REFI       2	4     11        6     13     ERV-3 - SA       8     15	3.04 3.0 25 A 3 3.87 3.04 3.87 3.04	04       12       3     20 A     ERV-3 - EXH     14         16	95 97 99			96 98 100
29 CORD REEL 31 CORD REEL 33 CORD REEL	20 A     1     1.00     1.00     1.00     1.00     1.00       20 A     1     20     1.02     1.62     1.62     1     20       20 A     1     1.08     1.08     1     20     1     20       20 A     1     1.08     1.08     1     20     1     20	A     CORD REEL     30       A     CORD REEL     32       A     CORD REEL     34	29         WORKBENCH CORD REEL         20 A         1           31         WORKBENCH CORD REEL         20 A         1         0.54           33         WORKBENCH CORD REEL         20 A         1         0.54	0.54 0.54 0.54 1 0.54 0.54 1	20 A     WORKBENCH CORD REEL     3       20 A     WORKBENCH CORD REEL     3       20 A     WORKBENCH CORD REEL     3	0     17        2     19     ERV-4 - SA-1     2	3.87 3.04 20 A 3 3.04 3.04 3.04 3.04	04           18           3         20 A         ERV-4 - SA-2         20	101 103 SPARE 105	40 A 3 0.00	0.00 0.00	20 A         SPARE         102             104
35     CORD REEL       35     CORD REEL       37     CORD REEL	20 A     1     1.08     1.02     1.02     1     20       20 A     1     1.08     1.02     1.02     1.08     1     20       20 A     1     1.08     1.08     1     20     1     20       20 A     1     1.08     1.08     1     20     1     20	A     CORD REEL     34       DA     CORD REEL     36       DA     CORD REEL     38	33         WORKBENCH CORD REEL         20 A         1           35         SPARE         20 A         1           37         SPARE         20 A         1	0.54         0.54         1           0.00         0.00         1           0.00         0.00         1	20 A     WORRBENCH CORD REEL     3       20 A     SPARE     3       20 A     SPARE     3       20 A     SPARE     3	44     21        6     23        8     25     ERV-4 - EXH     2	3.04 3.04 3.0 3.04 3.0 20 A 3 3.04 3.87	22           04           24           3         25 A         ERV-5 - SA-1         26	107	Plase Load:         103.2           Ophase         370	0.00 0.00 7 kVA 103.27 kVA 103.27 kVA 8 A 372 8 A	<u>108</u>
39     SPARE       41     SPARE       43     SPARE	20 A       1       0.00       1.08       1       20         20 A       1       0.00       1.08       0.00       1.08       1       20         20 A       1       0.00       0.00       1.08       0.00       0.00       1       20         20 A       1       0.00       0.00       0.00       1       20	D ACORD REEL40D ASPARE42D ASPARE44	39         SPARE         20 A         1           41         SPARE         20 A         1           43         SPARE         20 A         1	0.00         0.00         1           0.00         0.00         1           0.00         0.00         1	20 A         SPARE         4           20 A         SPARE         4           20 A         SPARE         4           20 A         SPARE         4	0     27        2     29        4     31     ERV-5 - SA-2	3.04     3.87         3.04     3.04     3.64       25 A     3     3.87     3.04     4	28           37           30         30           3         20 A         ERV-5 - EXH-1         32				
45SPARE47SPARE49SPARE	20 A       1	OA         SPARE         46           OA         SPARE         48           OA         SPARE         50	45         SPARE         20 A         1           47         SPACE             49         SPACE          0.00	0.00         0.00         1           0.00         0.00         0.00            0.00         0.00	20 A         SPARE         4            SPACE         4            SPACE         5	6     33        8     35        0     37     ERV-5 - EXH-2     2	3.87     3.04           3.87     3.04     3.87       20 A     3     3.04     3.87	34           04           36           3         25 A         ERV-6 - SA-1         38				
51SPARE53SPARE	20 A       1	D ASPARE52D ASPARE54	51         SPACE             53         SPACE           Plase Load:         11.04	0.00         0.00            0.00         0.00         0.00            √VA         11.13 kVA         9.89 kVA         9.89 kVA	SPACE         5            SPACE         5	39        4     41       43     ERV-6 - SA-2	3.04 3.87 3.04 3.87 25 A 3 3.87 3.04 3.64	40           37           42           33         20 A         ERV-6 - EXH-1         44	_			
Notes:	Phase 788 A 786.3 A 799.5 A		Notes: Phase 93.5	A 94.2 A 82.4 A		45            47            49         ERV-6 - EXH-2         2	3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.04 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87 3.87	46           04           48           3         25 A         ERV-7 - SA-1         50	-			
						51 53 55 ERV-7 - SA-2	3.04 3.87 3.04 3.87 25 A 3 3.87 3.04	52 52 37 54 3 20 A ERV-7 - EXH-1				
Branch Panel: SP-5 Location: HVAC E120	0 <b>Volts:</b> 120/208 Wye	A.I.C. Rating: 22 KAIC	Branch Panel: SP-8 Location: MECHATRONICS B144	Volts: 120/208 Wye	A.I.C. Rating: 22 KAIC	50     EITU-7-0X-2     2       57        59        61     ERV.7-EXH.2	3.87 3.04 3.87 3.04	58           04           60           3         15.4         SHEE.4         60				
Supply From: LDSB-1 Mounting: Surface Enclosure: Type 1	Phases: 3 Wires: 4 Model of the second secon	Bus Material: CU Bus Rating: 400 A CB Rating / MLO: 400 A MLO	Supply From: PP5-1A Mounting: Surface Enclosure: Type 1	Phases: 3 Wires: 4	Bus Material: CU Bus Rating: 125 A MCB Rating / MLO: 125 A MLO	61         ERV-7 - ERH-2         2           63          65            65          67         07	3.04 0.44 3.04 0.44 3.04 0.44 3.04 0.44 3.04 0.44 3.04 0.44 3.04 0.44 3.04 0.4	64       44       66				
CKT Circuit Description	A B C Poles Ti	rip Circuit Description CKT	CKT Circuit Description Trip Poles	B C Pole	es Trip Circuit Description Cl	KT 71 70						
1       100A BUS DUCT         3          5	100 A       3       2.83       1.08        2       35           2.83       1.08        2       35           2.83       1.08               2.83       3.72       3       40	5 A         HV15 - PLASMA CUTTER         2             4           O A         HV16 - PLASMA CAM         6	1         RECEPT - B144         20 A         1         0.18           3         RECEPT - B144         20 A         2         -           5	0.36	20 A         RECEPT - B144         2           20 A         RECEPT - B144         2           20 A         RECEPT - B144         2	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		74 76 76 78				
<ul> <li>7 SPARE</li> <li>9 HV06 - DRILL PRESS</li> <li>11 HV07 - PEDESTAL GRINDER</li> </ul>	20 A       1       0.00       3.72                                                                                                               -	8             10           0 A         HV17 - LOCKFORMER         12	7         RECEPT - B144         20 A         1         0.54           9         RECEPT - B144         20 A         1         1           11         RECEPT - B144         20 A         1         1	0.72           1           0.36         0.54          1           0.36         0.54          1	20 A         RECEPT - B144         8           20 A         SMARTBOARD - B144         1           20 A         SMARTBOARD - B144         1	79         SPARE         2           0         81          2           83          2         2	25 A     3     0.00     0.00           0.00     0.00     0.00         0.00     0.00     0.00	3         20 A         SPARE         80             82         82           00           84				
<ol> <li>HV32A - HEAT PUMP</li> <li></li> <li>HV33A - HEAT PUMP</li> </ol>	20 A       2       1.20       1.56        2       20           1.20       1.56             20 A       2        1.20       1.56	D A         HV32B - HEAT PUMP         14             16           D A         HV33B - HEAT PUMP         18	13         RECEPT - B144         20 A         1         0.90           15         RECEPT - B144         20 A         2         2           17	1.08	20 A         RECEPT - B144         1           20 A         SPARE         1           20 A         SPARE         1	4         PI           6         Notes:         PI           8	Iase Load:         75.65 kVA         75.65 kVA         75.65 kVA           hase         273.1 A         273.1 A         273.1 A					
19            21         HV35A - HEAT PUMP           23	1.20       1.56 <t< td=""><td> 20 DA HV35B - HEAT PUMP 22  24</td><td>19         RECEPT - B144         20 A         2         2.45           21               23         SPARE         20 A         1        </td><td>0.36        </td><td>20 A         RECEPT - B144         2           20 A         SPARE         2           20 A         SPARE         2</td><td>0 2 4</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	20 DA HV35B - HEAT PUMP 22 24	19         RECEPT - B144         20 A         2         2.45           21               23         SPARE         20 A         1	0.36	20 A         RECEPT - B144         2           20 A         SPARE         2           20 A         SPARE         2	0 2 4						
<ul> <li>25 HV28A - OIL FIRED FURNACE</li> <li>27 HV28C - OIL FIRED FURNACE</li> <li>29 HV28E - OIL FIRED FURNACE</li> </ul>	15 A       1       1.10       1.10       1       15         15 A       1       -       1.10       1.10       1       15         15 A       1       -       1.10       1.10       1       15         15 A       1       -       1.10       1.10       1       15	5 AHV28B - OIL FIRED FURNACE265 AHV28D - OIL FIRED FURNACE285 AHV28F - OIL FIRED FURNACE30	25         SPARE         20 A         1         0.00           27         RECEPT - B144         20 A         1         1           29         RECEPT - B144         20 A         2         1	0.54          1           0.36         2.45         2           2.45         2.45	20 A         RECEPT - B144         2           20 A         RECEPT - B144         2             3	6 8 0						
<ul> <li>31 HV29A - AIR HANDLER</li> <li>33</li> <li>35 HV29C - AIR HANDLER</li> </ul>	50 A       2       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27       2.27 <t< td=""><td>A         HV29B - AIR HANDLER         32             34           A         HV29D - AIR HANDLER         36</td><td>31       2.45       33      2.45       35     SPARE     20.A     1</td><td></td><td>20 A SPARE 3 20 A SPARE 3</td><td>2 4 6</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	A         HV29B - AIR HANDLER         32             34           A         HV29D - AIR HANDLER         36	31       2.45       33      2.45       35     SPARE     20.A     1		20 A SPARE 3 20 A SPARE 3	2 4 6						
37            39         HV30A - AIR HANDLER	2.27     2.27          50 A     2     2.29     2.29     2.29     2.00	38 O A HV30B - AIR HANDLER 40	37         SPARE         20 A         1         0.00           39         SPARE         20 A         1         0           41         SPARE         20 A         1         0	0.00 0.00 1 0.00 0.00 1	20 A         SPARE         3           20 A         SPARE         4           20 A         SPARE         4	8 0 2						
<ul> <li>41</li> <li>43 HV31A - GAS FURNACE</li> <li>45 HV31B - GAS FURNACE</li> <li>47 MODI/DENOIL CORP. DEFI</li> </ul>	20 A     1     0.58     1.80     22.29     2.29     1     20       20 A     1     0.58     1.80     1     20       20 A     1     0.58     1.80     1     20	42           0 A         HV34A - GAS FURNACE         44           0 A         HV34B - GAS FURNACE         46	Plase Load:     9.58       Notes:     Phase	VA         12.97 kVA         12.61 kVA           A         112 A         109 A								
47       WORKBENCH CORD REEL         49       WORKBENCH CORD REEL         51       WORKBENCH CORD REEL	20 A       1       -       -       -       0.54       0.54       1       20         20 A       1       0.54       0.54       -       -       1       20         20 A       1       0.54       0.54       -       -       1       20         20 A       1       0.54       0.54       0.54       -       1       20	AWORKBENCH CORD REEL48AWORKBENCH CORD REEL50AWORKBENCH CORD REEL52										
53WORKBENCH CORD REEL55WORKBENCH CORD REEL57WORKBENCH CORD REEL	20 A       1       -       -       0.54       0.54       1       20         20 A       1       0.54       0.54       -       -       1       20         20 A       1       0.54       0.54       -       -       1       20         20 A       1       -       0.54       0.54       -       -       1       20	O AWORKBENCH CORD REEL54O AWORKBENCH CORD REEL56O AWORKBENCH CORD REEL58										
59         HV26a - SPOT WELDER           61            63         SPARE	50 A       2        2.60       2.60       2       50           2.60       2.60	OA         HV26b - SPOT WELDER         60             62           OA         SPARE         64										
<ul><li>65 SPARE</li><li>67 SPARE</li><li>69 SPARE</li></ul>	20 A       1	D ASPARE66D ASPARE68D ASPARE70										
71 SPARE 73 SPACE 75 SPACE	20 A     1	A SPARE 72 SPACE 74 SPACE 76										
77 SPACE 79 SPACE 81 SPACE	0.00     0.00           0.00     0.00	SPACE 78 SPACE 80										
83 SPACE	0.00     0.00           0.00     0.00     0.00         Plase Load:     34.15 kVA     30.79 kVA     32.59 kVA	SPACE 82 SPACE 84								<b>ATB</b>		
Notes:	Phase 286.9 A 256.6 A 273.9 A								100% CONS drawing title			ONNECTICUT
									ELECTRICA PANELBOA	∖L ∖RDS	DEPARTMENT OF ADMI	NISTRATIVE SERVICES
										REVISIONS	drawing prepared by Consulting Engineering	date Services. Inc. 05/24/2019
									mark date 1 07/23/201	description  I9 ADDENDUM #1	811 Middle St., Middletown, CT 06457	scale
											project	drawn by vjм approved bv
											ADDITIONS AND RENOV PLATT TECHNICAL HIGH 600 Orange Avenue Milford, CT 06461 CAD no. DCS project BI-RT-878 CF	ATIONS I SCHOOL tt no. H-R OSCGR project no. 900-0013

ELE PAN	CTRICAL ELBOAR	RDS	SIATE OF DEPARTMENT OF AD			
	R	EVISIONS	drawing prepared by			
mark	date	description	811 Middle St., Middletown, CT 06457			
1	07/23/2019	ADDENDUM #1				
			project			
			ADDITIONS AND REN PLATT TECHNICAL HI 600 Orange Avenue Milford, CT 06461			
			CAD no. DCS p			

![](_page_60_Figure_0.jpeg)

# DRA

Drummey Rosane Anderson, Inc.

225 Oakland Road South Windsor Connecticut 06074 860-644-8300

Milford, CT 06461

600 Orange Avenue

	FURNISHED BY			INSTALLED BY		ALL Y	ED				
ITEM#	QTY.	EQUIPMENT CATEGOF	łY	KEC	VENDOR/OWNER	GC	KEC	VENDOR/OWNER	GC	MANUFACTURER	MODEL NO.
CA-01	2	REFRIGERATOR/FREI	EZER	x	-	-	x	-	-	TRUE FOOD SERVICE	
CA-02	1	FIRE SUPRESSION SY	/STEM	-	-	-	-	-	-	ANSUL/RANGEGUARD	
CA-03	9	HAND SINK, WALL MC		Х	-	-	Х	-	-	ADVANCE TABCO	
		L.									

RFS1 01 ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL CA EQUIPMENT SCHEDULE

ADDENDUM NO.1

## RFS1-01

REF. DWG No. FS-02
DCS Project No. BI-RT-878-CMR
OSCGR Project No. 900-0013 Scale: Date: 07/23/2019

![](_page_62_Figure_0.jpeg)

DRA

Drummey Rosane Anderson, Inc.

225 Oakland Road South Windsor Connecticut 06074 860-644-8300

![](_page_63_Figure_3.jpeg)

![](_page_64_Figure_0.jpeg)

# DRA

Drummey Rosane Anderson, Inc.

225 Oakland Road South Windsor Connecticut 06074 860-644-8300

Milford, CT 06461

600 Orange Avenue

![](_page_65_Figure_3.jpeg)

ADDITIONS AND RENOVATIONS PLATT TECHNICAL HIGH SCHOOL DISH WASH - B125A

ADDENDUM NO.1

### RFS1-05

REF. DWG No.
FS-04
DCS Project No. BI-RT-878-CMR
OSCGR Project No. 900-0013
Scale: 1/4" = 1'-0" Date: 07/23/2019

![](_page_66_Picture_0.jpeg)

4

construction dervices		
		Page of
DCS Project No.:	BI RT 878 CMR	Meeting Purpose:
Date:	7.22.19	Pre-Bid Meeting
Meeting Start Time:	10:00a.m.	Post Bid Review Meeting
Meeting Location:	Platt Technical High School 600 Orange Ave Milford Ct	Other:
Name: LAWIENC	E RosAti	Title:
Company/Department: WOIZGA	rti	LizosAti @ Mor carting
Street: 100 Mill	PLAIN RO	Phone: 203-994/-2693 FAX:
DAD	ing CI	
Name:		Title:
Company/Department:	n.	E-mail:
CITICO		alvin binchim Ect. Sur
siree(;		Phone:
City/State/Zip		FAX:
Name: ED HERNDON		Title:
Company/Department:		E-mail: E 462 has a R mars of the
MON GM	Mr.	Phone:
100 mi	L PLAIN Rd.	Filone.
City/State/Zip	(a	FAX:
Name:	~	Title: 0
Steven	Longo	Proj- Manager
Company/Department:	45-65	E-mail: Steama base & steady
Street: KCO CI	(, (, )) (, )	Phone:
City/State/Zin		860-713-5751 EAV:
Hart For	-d, CT 06103	FAA.
Jame: John A	MBRA	TitleS
Company/Department:		E-mail BRHOWN POINT COM
Street: 0 1111		Phone: Carl 2125
ity/State/Zin	Dach	609-114-642C
Junistype	1 knim Dury CT	· · · · ·
lame: Gory Clen	eland	Projet Manager
Company/Department:	Tomarm Cul	E-mail:
Street:		Phone:
24.104.4.17		
ity/State/Zip		FAX:

![](_page_67_Picture_0.jpeg)

	Page 7 of 7
DCS Project No.:	Meeting Purpose:
Date:	Pre-Bid Meeting
Meeting Start Time:	Post Bid Review Meeting
Meeting Location:	Other:
Name: TOHY LOGODICIO	Title: \$5515T P.M.
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:
Name: Luke Sinopoli	Title: P.E.
Company/Department: Manafart Brothers fuc	E-mail: Sinopoli @ manaket. com
Street:	Phone: Plan = 2 Sp = 275 B
City/State/Zip	FAX:
Name: FARID KHOVRI	Title:
Company/Department: MORGANT	E-mail:
Street:	Phone:
City/State/Zip	FAX:
Name: JSSAM Abul Ha hand	Title:
Company/Department:	E-mail:
CS Contidectors	Samabu Hanna @ yahoo
	2.03 6714296
City/State/Zip	FAX:
Name:	Title:
Jude Jean - Herre	Tresident
ARKONE / TAUARES	Jude @ arkone contracting, com
Street: 400 Richards Ave , STE 300	Phone: (202) 450 - 3000
City/State/Zip	FAX:
Michael Denicola	President
Company/Department: Monern Painting 3 Remodeling LLL	Modern painting @ M Outlock . Ogy
Street: 75 Con Carl St.	Phone: 203-907-6394
City/State/Zip Human, CT 06514	FAX:

![](_page_68_Picture_0.jpeg)

	Page 2 of 7
DCS Project No.:	Meeting Purpose:
Date:	Pre-Bid Meeting
Meeting Start Time:	Post Bid Review Meeting
Meeting Location:	Other:
Name: (esac Velez	Title:
Company/Department:	E-mail:
Street: 1023 waterbusy hand	Phone:
thomaston, CT 06787	FAX:
Name: Rob Delmor,	Title:
Company/Department: CORESLO) BARWOR	E-mail:
Street: 1023 hoterbary RA	Phone:
City/State/Zip Thomosyn, Grob197	FAX:
Name: Ed Hellquer	Title:
Company/Department:	E-mail:
Street: 154 Christian St.	Phone: 703 368 0976
City/State/Zip OXFORD, CT 06478	FAX:
Name: Matt Hoff	Title:
Company/Department:	E-mail:
Street: 339 Washington at	Phone:
City/State/Zip North Haven CT	FAX:
Name: REFET PLACE TO	Title:
Company/Department:	E-mail:
Street:	BPIACENTINI & BESULDING
City/State/Zip	FAX:
Name:	Title:
KOBERT LAMILLO	MEMBER E
Company/Department:	E-mail: DOB C OW I CONFERENCE ON A
Street:	Phone:
City/State/Zip	205-908-3040 AT 102
STRATEORD, ST 0 GOLA	203-370-6630

![](_page_69_Picture_0.jpeg)

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	Page <u>(</u>	l of 7			
ose:					
Meeting					
Daviou Ma	oting				

DCS Project No.:	Meeting Purpose:
Date:	Pre-Bid Meeting
Meeting Start Time:	Post Bid Review Meeting
Meeting Location:	Other:
Name:	Title:
MAIT FEAMOL	CA
KBE BUNDING	E-mail:
Street:	Phone:
	860.878.5015
City/State/Zip	FAX:
Name: Mick Eurok	Title:
Company/Department	Lutern
Waters Construction	E-mail:
Street: 200 Pale 1 b	Phone:
hostwict prive	267 534-6 808
City/State/Zip Bridgeport (T	FAX:
Name:	Title:
MAGNY Smith	
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:
Name: WILL BEROIT	Title:
Company/Department: DIRIEAZO Michanical	E-mail:
Chanal	Lilled irienzomechanical
Street: 203-496- 6809	Phone:
City/State/Zip	FAX:
Name: JON POIRIER	Title:
	GM-CT
Company/Department:	E-mail:
Street	Phone:
uneer.	560-645-1105
City/State/Zip	FAX:
Name:	Title:
WILLIAM TELLER	PROJ MACON ESTIMATOR
Company/Department:	E-mail:
Street	Bhoma:
63 RUSSELL STREET	203/469-7487
City/State/Zip	FAX:
NEW HAVEN CT 06513	203/468-6256

![](_page_70_Picture_0.jpeg)

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	Page of 7
DCS Project No.:	Meeting Purpose
Date:	
Meeting Start Time:	Post Bid Review Meeting
Meeting Location:	
Name: CT Temp Control	Title: VP Operations
Mike Suld	MSILO @ CT Temperatrolsicum
Street: 500 Corporate Rev	Phone: 800 854 2022
City/State/Zip	FAX:
Cramphicall (106910	
Name: John Povemba	Title: Account Stechan
Company/Department: APA MANNOVANCC	E-mail: TBURMSACAAMAINANANC, CU
Street: 965 Mipland AVC	Phone: 914 280 3794
City/State/Zip Jonkers Ny 10704	FAX:
Name:	Title:
Company/Department:	F-mail:
E, C. I.	JIMBRECINCORPORTED. COM
Street:	Phone:
City/State/Zip	FAX:
MARTFORS CT.	
Name: Tam Ray Clair	Title:
Company/Department:	E-mail:
Hunder Services	Thereflein Therenandres com
250 Gervar Street	Phone:
City/State/Zip	FAX:
-45F (FRITE-ra CIOLICS	866-791-696 9710
Name: David Telesco	Title:
Company/Department: 01 H	E-mail:
Street:	Phone:
City/State/Zin	EAV
ony/otatezip	ΓΑΛ.
Name: A a d Caul Frach Doors of	Title: Davad
Company/Department:	
F&F Gloors	fand wood thouse hot may form
Street: 27 Mill Phin Rd	Phone: 203 649 5663
City/State/Zip	FAX: 202 012 000 5
Lanung CI UDOII	4037114126
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![](_page_71_Picture_0.jpeg)

	Page _ of _
DCS Project No.:	Meeting Purpose:
Date:	Pre-Bid Meeting
Meeting Start Time:	Post Bid Review Meeting
Meeting Location:	Other:
Nome ( / /	
Marine. Actor Hernender	Inter Estiment on
Company/Department: Chard ber Architectured	E-mail: hectore cap - 12 co wet
Street:	Phone: 413-557-4432
City/State/Zip	FAX:
was sportfield	
Name: Tinothy Andre	Title: New Earland Sales Manual
Company/Department:	E-mail:
Street:	Phone:
50 Cheshire R.L.	413 629-2066
City/State/Zip FitzBdJ, MA 01020	FAX:
Name: BILL AUTCHELL	Title: ACT CXEC
Company/Department: CHAMADO MAINTENTOC	E-mail: 6 m + C/ell 60
Street: 21 / Street VAL	CAMPS ERVICES LL. COVY
Street: 30/ COMMERCE SKICE	Phone: 1 303 755 775
City/State/Zip FAIRFIESD, CF 0687	FAX:
Name:	Title: 005
Company/Department:	E-mail:
ENCON	MBARBIANO GOENCON, COM
Street: 12105 Washered DIN	Phone: 77-375-5278 × 7471
City/State/Zip	FAX:
STRATFORD CT 06615	
Name:	Title: 1 to 18 a 101 a
$\frac{1}{10000000000000000000000000000000000$	E-mail:
Lon Al ricks-Landscuping	TONYSM: the Alricklondsoping
Street: P. C.R. & Ist nd Sov Cds	Phone: QLa DQC DEED
City/State/Zip	FAX:
06095-	
Name:	Title:
Company/Department:	E-mail:
Roma Demico	M Baunah WKomie clanco co
Street:	Phone:
City/State/Zip	FAX:
Rookx H.11 cl	nan manananya katang ang kang ang kang kang kang kang kan


DCS Project No.:	Meeting Purpose:
Date:	Pre-Bid Meeting
Meeting Start Time:	Post Bid Review Meeting
Meeting Location:	Other:

Name: Arix Cimpretto	Title: Real & Atta
Company/Department:	E-mail:
Street: CI Somm. an Human Rights Anologopt.	Phone: Direction Phone:
450 Columbus Blvd Svitz 2	(560) 541-3430
thereford CT 06103	FAX:
Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:
Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:
Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:
Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:
Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

Addendum	ltem	Question / Assumption	DWG REE		RESPONSE
ADD-1	1-01	Started taking off the plumbing and I need some information for the 500 gallon propane tank, we will be Subbing the tank and piping to a gas Co. that will give us a turnkey system in-cluding tank, piping, regulator to the entry point at the building and we will take it from there into the building, there's no Specs for the underground propane piping from the tank to the building, only Facility Natural Gas piping 22 11 23, the gas co. always use polypropylene pipe to a steel riser up to the regulator with a plug valve could you run this by the engineers for approval?		22 11 23	The tank and piping shall be provided by contractor. Scope and specifications will be updated in Addendum No. 1
ADD-1	1-02	Reference 2.1 and 2.2 Condensing Water-Tube Boilers Boiler Control and Lead Lag Specification lists manufacturers as Cleaver Brooks, Veissmann and Buderus. Please confirm that Fulton Endura Plus EDR + 4000 which meets the spec would be acceptable for this project?		23 52 32 Condensing Boilers	Specifications to remain with the three boilers as specified.
ADD-1	1-03	RFI on the Oil Tank. Spec calls for a UL-58 that is for Underground Tanks Should Be UL- 142.Also the Spec Calls for a 30 Year That would Make it a Firegusrd UL- 285 Tank.This is an Above Ground Tank. I think all they need is a UL-142 Double Wall Tank.		23 11 13 Facility Fuel Oil Piping Article 2.12	Tank is above ground and shall be UL-142. Specification shall be updated in Addendum No. 1
ADD-1	1-04	Substitution request for metal lockers and bench to allow Scranton Tufftec lockers, Scranton Duralife lockers and Scranton tufftec bench.		10 51 00 Metal Lockers	Specifications to remain with the three metal locker manufactures as specified.
ADD-1	1-05	I am planning to bid on the lecture hall and auditorium seating for this project, however I am unable to see on the plans how many positions are required of each product. I was wondering if you would be able to provide me with some additional information in order to propose a bid?		12 61 13 Fixed Audience Seating	Refer to Addendum No. 1. Refer to Equipment drawing EQ-1.1D where at Multipurpose Room, D111, Folding Seating is called out as N.I.C (Not in Contract).
ADD-1	1-06	Substitution request - Request to have Horner Flooring added to the list of manufactures for Athletic Wood Flooring		09 64 60 Wood Athletic Flooring	Specifications to remain with the three Wood Athletic Flooring manufactures as specified.

	ltere				PECDONICE
Addendum	Item	Question / Assumption Substitution request - Midwest Regional Sales Manager for California Sports Surfaces. I'm writing to seek approval for our Plexitrac Accelerator running track surfacing system as an alternate to the proposed Beynon BSS 100 Track Surface showing in the specification for the Platt Tech High School Track project. We are submitting our Plexitrac Accelerator, a premium environmentally friendly water-based system which meets or exceeds the IAAF performance standards listed in the specification. Also, this water-borne system does not require the use of acetones, isocyanates, or solvents during construction or clean-up. I have attached	DWG REF	SPEC REF 32 18 23.39 Synthetic Track	RESPONSE Specifications to remain with the three Track Surface
ADD-1 ADD-1	1-07	<ol> <li>our product information, specifications, and testing data for your review.</li> <li>For the main grandstand, could not find a completion date.</li> <li>For the main grandstand, could not find a soil report.</li> <li>For the main grandstand, the drawings show a front riser closure. It is not in the specs.</li> <li>For the main grandstand, the riser finish is not noted in the specs.</li> <li>For the main grandstand, the seat plan finish is not noted in the specs.</li> </ol>		Surfacing 13 34 16 Grandsand Seating System	<ol> <li>manufactures as specified.</li> <li>1) It is near the end of phase 2, please review exhibit C project schedule.</li> <li>2) Refer to 50 40 00, Subsurface Geotechnical Report</li> <li>3) Refer to Addendum No.1</li> <li>4) Refer to 13 34 16, Article 2.4, Paragraph B.3.</li> <li>5) Refer to 13 34 16, Article 2.4, Paragraph B.2.</li> </ol>
ADD-1	1-09	<ul> <li>6) For the portable bleachers, the rise/run is not noted.</li> <li>7) For the portable bleachers, if the rise/run is 8/24, double foot plank, risers, and aisles will be required.</li> <li>8) For the portable bleachers, if the rise/run is 6/24, the seats and foot planks will need to be 2 x 12's.</li> <li>9) For the portable bleachers, the quantity of tow kits is not noted.</li> </ul>		13 34 16.53 Transportable Bleachers	Refer to Addendum No.1
ADD-1	1-10	<ul> <li>1. There is a spec section for "fixed seating". It shows seating in the mezzanine of the multi purpose room.</li> <li>Drawing EQ -1.2D shows the seating with 'tablet arms", the spec sections does not call tablet arms.</li> <li>What is required? Spec also calls out CAL 133 for the fabric. CAL 117 will be much less expensive and will fill any requirements. Is CAL 117 accepatble?</li> </ul>	EQ-1.2D	12 71 10 Fixed Seating and Tables	Section 12 71 10, Fixed Seating and Tables has been deleted. Refer to Addendum No. 1.

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ADD-1	1-11	2. Drawing EQ-4.1 shows telescoping platforms in the multi purpose room But there is a note on the drawing that indicates That GB-05 will be by owner. There is no spec section for this seating. Please advise.	EQ-4.1		GB-05, Folding Seating, is Not-in-Contract. Folding Seating to be procured at a future date.
ADD-1	1-12	<ol> <li>Spec section 12710 – Fixed Tables. Can not seem to find a lecture room that shows these lecture tables.</li> </ol>		12 71 10 Fixed Seating and Tables	Section 12 71 10, Fixed Seating and Tables has been deleted. Refer to Addendum No. 1.
ADD-1	1-13	For Bonding purposes, who is to be the Obligee.			The Morganti Group is the obligee.
ADD-1	1-14	The symbol legend of drawing SB1-L-102 seems to indicate the Supplemental Bid #1 field getting sod which would be in conflict with the note in the center of the SB-1 field that calls for Athletic Field Seed Mix Typ. Please clarify.	Landscape SB1-L-102	32 92 00 Turf and Grasses	All athletic fields are to be seeded as specified see Section 32 92 00 Turf and Grasses. No sod is specified for the project. The legend on sheet SB1-L-102 will be updated to reflect this in forthcoming Addendum No.2.
ADD-1	1-15	Please confirm Bid Package #24 is only responsible for 078410 Penetration Fire Stopping and not 078440 Fire resistive Joint Systems.		Bid Package No.24 07 84 40	Correct BP#24 is responsible for 078410 and the scope of work of that bid package.
ADD-1	1-16	Per General Trades special instruction number 52, please confirm that the intent is to have the general trades package complete all painting. This is not usually the case, it is usually its own bid package. It appears that Bid package #25 only has to paint the stair towers.		Bid Package No.6	Yes, the General trades bid package provides all painting EXCEPT for what is required by Bid Package #25 Painting.
ADD-1	1-17	Please define Special instruction #64 in the general trades package, what is the snow retention system?		Bid Package No.6	This lines refers to the snow guards/snow retention system at the garage.
ADD-1	1-18	Who is responsible for the wood trusses shown on S1-1-3A?	S1-1-3A		Trusses shown on S1-1-3a are metal, not wood, and are provided by BP#05.
ADD-1	1-19	Please confirm the only Glazing Package 19 Millwork, is responsible for is the Glazing integral to the Millwork. Not the Hollow Metal frames specified in 08 80 00 Glazing or the unframed mirrors.			Confirmed

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ADD-1	1-20	Please advise if the Millwork subcontractor is providing fittings and fixtures or if the MEP trades will provide there own fixtures.			Please refer to the contract documents.
ADD-1	1-21	We will need the grading plans and existing conditions plan in a .dwg format. This should be able to be done by sending us 1 file with the existing conditions and proposed data on separate layers. We are willing to sign a waiver. Please make sure that the landscape architect combines all the files. We cannot search and find external references.			Files will only be available after bids, not prior to bids.
ADD-1	1-22	Per trade specific instruction number 43 in bid package #6 General Trades: Please advise if these temporary enclosures are to be insulated and if the ½" plywood is required on one side or two sides? Does the plywood and 2" by's have to be fire treated? Can a budget for man hours be provided? This will be tricky for us to predict not know-ing how many enclosure we can do at a time, or when the enclosures will be going up. We strongly suggest an allowance also be issued for this item in its entirety, material and labor. Please advise.		Bid Package No.6	Insulation is required and ½" plywood is only required on 1 side. All wood has to be fire treated. No budget will be provided you are required to provide the square footage required.
ADD-1	1-23	Per trade specific instruction number 45 in bid package #6 General Trades: Who is responsible for installing, maintaining and removing the perimeter safety guard rails during construction? We suggest an allowance or quantity be issued for this item as it is nearly in possible to predict. What is the tolerance the concrete contractor is being held to while pouring the slabs? Is that what we are to ensure? Or is the intent just repair work? Please advise.		Bid Package No.6	The removal of the safety rails is by the bid package contractor that has the per-manent work to eliminate the hazard. You will be required to perform work per note #45, no allowance will be allowed.
ADD-1	1-24	Per trade specific instruction number 47 in bid package #6 General Trades: Who is responsible for installing the guard rails at the elevator? Are the temp enclosures for the elevator to be included in the budget of 50,000 SF given to us in trade specific instruction # 43?		Bid Package No.6	General trades is responsible to furnish, install and maintain the elevator guard rails. No they are not included in in the 50,000 SF allowance.

Addendum	ltem	Question / Assumption	DWG REE	SPEC REE	RESPONSE
ADD-1	1-25	Per trade specific instruction number 52 in bid package #6 General Trades: Please confirm if the intent of this specific instruction is to paint just the hollow metal door frames of stair towers 1-5, or if the general trades package owns the painting scope of the entire building? Please clarify	Dire nel	Bid Package No.6	Provide the painting that is called for, General trades shall paint both sides of doors and frames within the stairwells only.
ADD-1	1-26	Specification calls for HLM 5000. We would like to request that our HYDRALASTIC 836 please be reviewed as an cold fluid applied waterproofing material here. Please see the attached data sheets to assist with review, if you can please let me know if it's acceptable it would be greatly appreciated.		07 14 00 Cold Fluid-Applied Waterproofing	Specifications to remain with the six Waterproofing manufactures as specified.
ADD-1	1-27	I am planning to bid on the lecture hall and auditorium seating for this project, however I am unable to see on the plans how many positions are required of each product. I was wondering if you would be able to provide me with some additional information in order to propose a bid?		12 61 13 Fixed Audience Seating 12 71 10 Fixed Seating and Tables	Refer to Addendum No.1
ADD-1	1-28	I am reaching out to you to see if you may be able to assist us with some CAD Drawings for the Platt Technical High School. We are working on Sedia specifications for the fixed audience seating as well as the fixed seating and tables. It would be quite helpful to have the CAD's for these areas to produce specifications.		12 61 13 Fixed Audience Seating 12 71 10 Fixed Seating and Tables	Files will only be available after bids, not prior to bids.