

The attention of bidders submitting proposals for the subject project noted above is called to the following Addendum to the Contract Forms and Specifications.

The items set forth herein, whether of omission, addition, substitution, or clarification are to be included in and form a part of the proposal submitted.

This Addendum consists of the following information:

Part 1	Division 00, Procurement and Contract Requirements
Part 2	Technical Changes, Architectural, Structural and Civil
Part 3	Technical Changes, Mechanical, Electrical and Plumbing
Part 4	Drawing Changes, Architectural, Civil and Landscape
Part 5	Drawing Changes, Structural NOT USED
Part 6	Drawing Changes, Mechanical, Electrical and Plumbing
Part 7	Clarifications
Part 8	New Issues - List of Included Documents

Part 1 Division 00, Procurement and Contract Requirements

- 1) 004014 BID FORM - CONTRACT NO. G5
 - a. REMOVE ALTERNATE NO. R3 WEST ROOMS RENOVATIONS
 - b. All roof work in this area shall be base bid as all MEP rooftop work is base bid.
- 2) Section 011000 SUMMARY Attachment: Scope of Work for Prime Contractors
 - a. G1 – Prime Contractor for General Construction
 - i. Rooftop Equipment - ADD “Existing roof deck infill shall be by the Prime Contractor for General Construction (G1).”
 - ii. ADD “Wood Trim – The Prime Contractor for General Construction (G1) shall provide all wood chair rail & trim that terminates wall tile as indicated in the Drawings.”
 - b. G5 – Prime Contractor for Roofing Work
 - i. Rooftop Equipment - ADD “Existing roof deck infill shall be by the Prime Contractor for General Construction (G1).”
 - c. G8 – Prime Contractor for Tile Work
 - i. ADD “Wood Trim – The Prime Contractor for General Construction (G1) shall provide all wood chair rail & trim that terminates wall tile as indicated in the Drawings.”

Part 2 Technical Changes, Architectural, Structural and Civil

- 3) Section 078100 APPLIED FIREPROOFING – Article 1.1, Paragraph B.2. – ADD “a. Includes 1hr fireproofing at lower roof assembly within 10 feet and the entire length & span of supporting elements of stepped building fire wall condition at Area B (Type IIB construction).” Intention is to spray fireproof the Area B roof (roof deck & supporting beams & columns) along the firewall. Includes between column grid lines 8 - 10, JJ - LL, and 15.1 – 15.4.

Part 3 Technical Changes, Mechanical, Electrical and Plumbing

- 1) Specification 230700 "HVAC Insulation" – Add the following: "2.12 Fire-Rated Insulation Systems, A. Fire-Rated Blanket; High-temperature, flexible, blanket insulation with FSK jacket that is tested and certified to provide a 2-hour fire rating by an NRTL acceptable to authorities having jurisdiction., 1. 3M Fire Barrier Duct Wrap 615+."
- 2) Specification 230700 "HVAC Insulation" – Add the following to Part 3.11.A:
 - a. "8. Indoor, Type I, commercial, kitchen hood exhaust."
- 3) Specification 230700 "HVAC Insulation" – Revise Part 3.11.B.1 to read as follows: "Interior metal ducts with duct liner of sufficient thickness to comply with energy code and ASHRAE/IESNA 90.1."
- 4) Specification 230700 "HVAC Insulation" – Add the following to Part 3.12:
 - a. "I. Type I, commercial, kitchen hood exhaust duct and plenum insulation: Fire-rated blanket; thickness as required to achieve 2-hour fire rating (2 layers)."
- 5) Specification 233113 "Metal Ducts" – Revise Part 3.10.D.1 to read as follows: "Flexible elastomeric, 1-1/2" thick. Duct liner not required for exhaust ductwork serving fume hoods, laser engravers and commercial kitchen hoods."
- 6) Specification 233113 "Metal Ducts" – Add the following to Part 3.10.D: "2. Unless otherwise noted, provide acoustic lining a minimum of 25'-0" from inlet and outlet of all fans and a minimum of 5'-0" at outlet of VAV boxes and fan coil units. Where interior ductwork is lined, external duct insulation may be omitted."
- 7) Specification 283111 "Digital, Addressable Fire-Alarm System" – Add the following to Part 2.5.C.3 'Weatherproof Duct Housing Enclosure': "Provide with 120VAC thermostatically controlled heater (50 watt maximum and fan per manufacturer's requirements)".

Part 4 Drawing Changes, Architectural, Civil and Landscape

- 1) Drawing A450
 - a. Increase wood trim height to maintain overall height as indicated on the Drawings.
 - i. Sizes provided for Laminam wall tile are nominal. 1/4" grout lines are not acceptable. Where tile is scheduled to underside of ceiling, lower ceiling &/or soffit height to match actual top of tile (±7' – 8 1/2").

Part 6 Drawing Changes, Mechanical, Electrical and Plumbing

- 1) Drawing M701 – Revise "General HVAC Notes" #26 to read as follows: "Provide 1-1/2" acoustic lining a minimum of 25'-0" from inlet and outlet of all fans and minimum 5'-0" at outlet of VAV boxes and fan coil units. The first figure of duct size indicates dimensions of face shown or indicated. Duct dimensions show on drawing refer to inside clear dimensions. Where ductwork is lined, the contractor shall increase the size of duct to compensate for lining. For interior ductwork installations only, where ductwork is lined external duct insulation is not required."
- 2) Drawing M701 – Add note #38 to "General HVAC Notes" to read as follows: "Kitchen hood grease ductwork and plenums shall be continuously covered on all sides from point of origination to the outlet terminal. Grease wrap shall meet ASTM E2336 Standard. Grease wrap shall be applied in 2-layers to achieve a 2-hour fire rating. Grease wrap shall be similar to 3M Fire Barrier Duct Wrap 615+. Seal duct penetrations at fire rated floor and wall assemblies with 3M Fire Barrier sealant. Grease wrap system shall be secured to ducts, duct hangers and supports to maintain a continuous fire rating. Insulate duct access panels and doors to achieve same fire rating as duct."

- 3) Drawing M703 – Revise the first sentence of note #2 in “Heating and Cooling Minimum Pipe Insulation Commercial” schedule to read as follows: “All exterior piping, fittings, and valves and all interior fittings and valves shall be installed with 20 mil thick, white PVC jacketing.”
- 4) Drawing E204.A – Revise drawing to show branch circuitry to Fire Alarm duct detector heated enclosures.
- 5) Drawing E204.B – Revise drawing to show branch circuitry to Fire Alarm duct detector heated enclosures.
- 6) Drawing E204.N – Revise drawing to show branch circuitry to Fire Alarm duct detector heated enclosures.
- 7) Drawing E204.S – Revise drawing to show branch circuitry to Fire Alarm duct detector heated enclosures.
- 8) Drawing E704 – Revise drawing to show updated LP-3B panel schedule to include Fire Alarm Duct detector heated enclosures.
- 9) Drawing E707 – Revise drawing to show updated LP-M1A panel schedule to include Fire Alarm Duct detector heated enclosures.
- 10) Drawing E708 – Revise drawing to show updated LP-M3A panel schedule to include Fire Alarm Duct detector heated enclosures.
- 11) Drawing E709 – Revise drawing to show updated LP-K2B panel schedule to include Fire Alarm Duct detector heated enclosures.

Part 7 Clarifications

- 1) Addendum 6 – Metal deck infills of the existing roof per C&G/ASK-03 is intended to be by the Prime Contractor for General Construction (G1). Roof assembly (above the deck), including patching is by the Prime Contractor for Roofing (G5).
- 2) Section 012300 ALTERNATES
 - a. Sitework Contract (L1) Scope of work – Base bid is shown on Drawing L400.
 - b. S1 PLAY AREAS (FIELD & COURTS) – There is no reference to this work as being an alternate on the L drawings, however all additional work associated with adding the fields & courts is this alternate.
 - i. Prime Contractor for Sitework (L1) – Amount to be added to the Base Bid for Play Area (field & courts) work as shown on the Landscape drawings.
 - ii. Prime Contractor for General Construction (G1) – Amount to be added to the Base Bid for additional Play Area work as shown on the Civil Drawings C600.
 - c. S2 COURTYARD IMPROVEMENTS – Additional work for the G1 contract is limited to stump removal note on Drawing C500.
- 3) Section 078100 APPLIED FIREPROOFING – Article 1.1, Paragraph B. Locations of sprayed fire-resistant materials
 - a. Drawing CC001 indicates general fire resistance rating of building elements per construction type.
 - b. Floor construction - Composite floor slab design of the Area A addition (type IIA) consisting of 3-1/2” concrete on 2” metal deck is intended to satisfy the requirements of a 1hr rated deck and does not require spray fireproofing. Supporting beams & columns shall be spray fireproofed.
 - c. Construction type IIA roof deck requires spray fireproofing.
- 4) Drawing C400
 - a. Refer to Grease Trap detail on C703 for approximate invert at the sewer main. Note #5 states that the contractor shall confirm the location, size and elevation of the existing sewer main in which the grease trap and sewer service line connects into on Irwin Avenue. The rim elevation shall match existing grade (approximate 558.8± based on the

- existing topography). The contracts shall confirm the existing grade where the doghouse is proposed.
- b.
 - c. The size and material of the water service and fire service line is noted in the legend on Drawing C400. The proposed sizes were provided and confirmed by the project MEP engineer.
 - d. The contractor shall perform test pits to confirm the location, size, elevation, and material of the existing watermain in Irwin Ave as noted in the utility notes on Drawing C400. However, based on recently received plans filed with the city, the existing water main in Irwin Avenue is a 6" C.I.P pipe. Per discussion with project MEP engineer, the 8" combined water and fire service pipe in adequately sized and shall connect into the existing 6" water main in Irwin Avenue.
- 5) Drawing C600 - The proposed trench drain shown on Drawing C600 shall be a 6" ACO trench drain.
 - 6) Drawing A200-C – Floor infill of Stair J does not include treads & landings.
 - 7) Drawing A201-A – Floor infill hatch shown along exterior wall of Library Media Center and into Support Lounge is due to it being a former terrazzo corridor. Floor shall be infilled (sim for occurrences on floors above). For Toilet Corr 122, see note on enlarged plan 3/A401 for infill information of that area.
 - 8) Drawing AN/A702 – The access prevention gate shall be a Metal Fabrication and shall match guardrail material, finish, intermediate posts, bollards, & horizontal members. Align verticals where attached to guardrail. Jamb posts, corner ports, & door frame shall be 2"x2" tube steel. Posts shall have a bolted connection to slab, wall and guardrail so as to be removable. All other connections shall be welded and ground smooth.
 - 9) Bid piping & fittings as specified.
 - 10) Bidders shall not be required to account for contaminated soil remediation of existing coal ash within the project limits. The G1 & L1 contracts shall provide a unit price for soil remediation as indicated in the bid form.
 - 11) PT5 is an Ultracompact (porcelain) wall panel and is specified in Section 097800.
 - 12) Where tile details show vertical wood trim, Schluter edge is not required.
 - 13) Diversification:
 - a. Question: Clarification on Exhibit Diversification Documentation regarding EEOC percentage for Female Labor Force Participation. Can the 10% Female Labor Force Participation be achieved with support personnel that do not go onsite but work behind the scenes for the project (i.e coordinators, estimators, Project Executive, etc.) or must it be achieved solely with direct onsite labor?
 - b. Response: Per the ENLARGED CITY SCHOOL DISTRICT OF MIDDLETOWN TWIN TOWERS - DEVELOPMENT AND DIVERSIFICATION PLAN FOR WORKFORCE & BUSINESS found under the "Workforce Development and Diversification Rules."
 "In order to achieve the goals of the Plan, each contractor, supplier, professional service firm or other business providing goods or services shall strive to and use best efforts to ensure that the workforce it engages to perform work for the Program shall demonstrate, in terms of the percentage of actual hours worked under the contract and/or contract as amended, participation rates as follows (collectively, Workforce Diversification Goals):
 - a. Minority Workforce: 20% of project personnel hours including professional services and skilled trade's people, journeymen, apprentices, and supervisory staff.
 - b. Female Workforce: 10% of project personnel hours including professional services and skilled trade's people, journeymen, apprentices, and supervisory staff.

c. Each contractor, supplier, professional service provider, or other business providing goods and services shall strive to maximize the use of Middletown-based labor, contractors, suppliers, and service providers.”

Thus "back-office staff" can be counted towards your participation as long as it is not a 40hr a week person and needs to make sense for the project. Historically the industry standard does not allow for a 40hr Admin on a project unless she/he is on site in the trailer or site office. All site employees will count at 100%. We would suggest looking at the schedule and ensuring back-office hours make sense with the current construction timeline on the project.

Part 8 New Issues - List of Included Documents

Drawing E204.A – ELECTRICAL: ROOF POWER PLAN – AREA A	1 sheet
Drawing E204.B – ELECTRICAL: ROOF POWER PLAN – AREA B	1 sheet
Drawing E204.N – ELECTRICAL: ROOF POWER PLAN – AREA N	1 sheet
Drawing E204.S – ELECTRICAL: ROOF POWER PLAN – AREA S	1 sheet
Drawing E704 – ELECTRICAL: EQUIPMENT SCHEDULES	1 sheet
Drawing E707 – ELECTRICAL: EQUIPMENT SCHEDULES	1 sheet
Drawing E708 – ELECTRICAL: EQUIPMENT SCHEDULES	1 sheet
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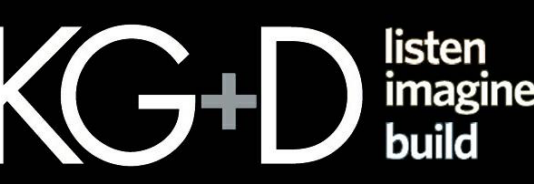
End of Addendum

TWIN TOWERS
MIDDLE SCHOOL

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P: 914.666.5900 KGDARCHITECTS.COM



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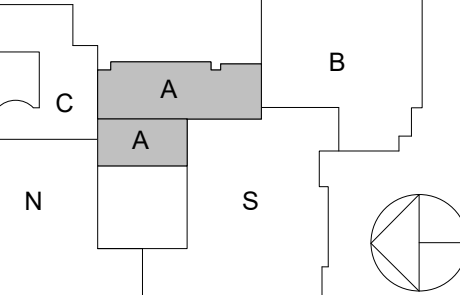
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44-10-00-01-0-001-041

CONSTRUCTION DOCUMENTS

Key Plan



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3	03/05/2024	ADDENDUM #8
2	12/14/2023	ISSUE FOR BID
1	04/14/2023	NYSED ISSUE

No. Date Issue

Sheet Title

ELECTRICAL:
ROOF POWER PLAN -
AREA A

Job No. 2021-1087 Date 09/08/2022

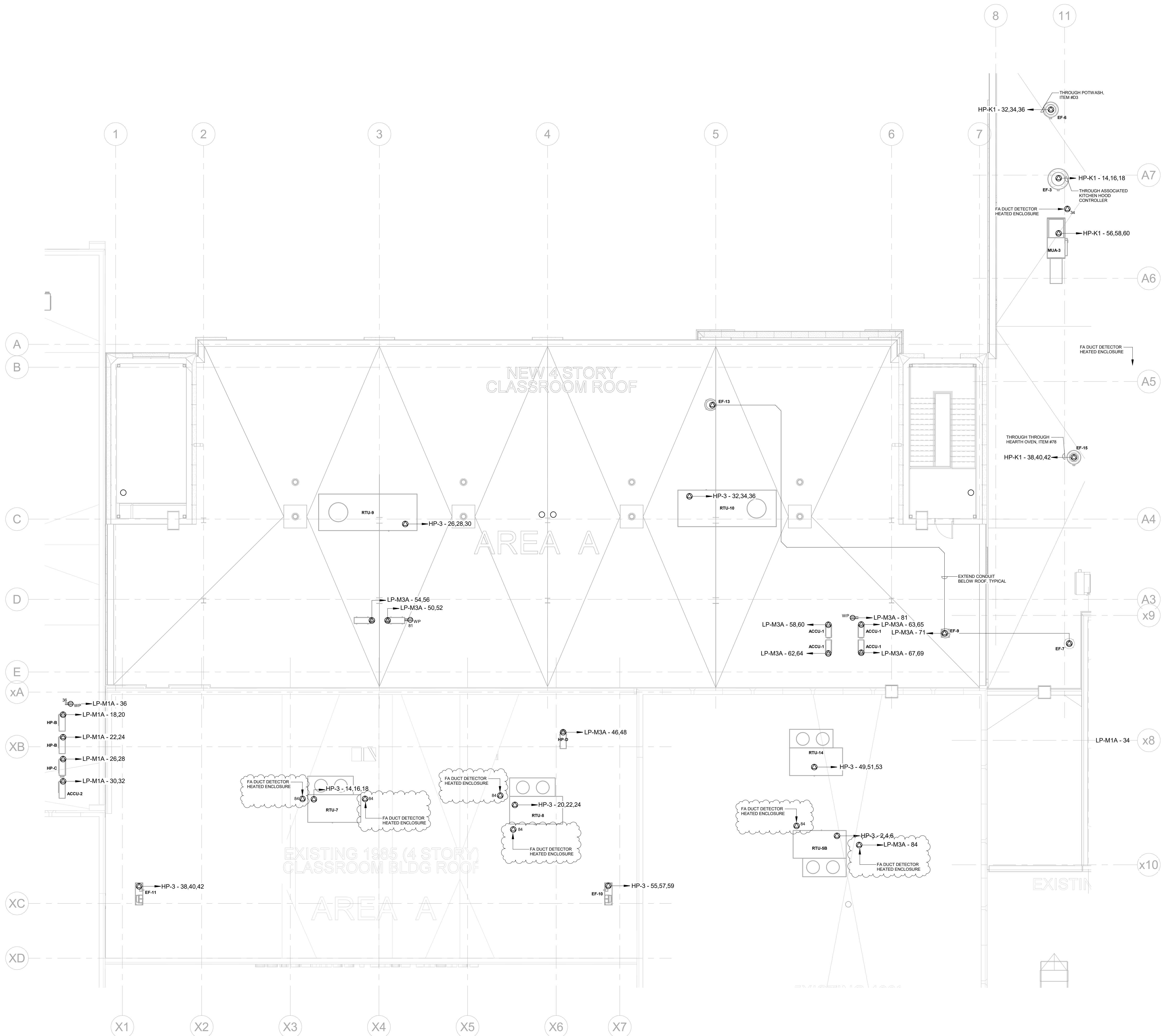
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E204.A

NOTES:

1. ALL DISCONNECT SWITCHES SUPPLIED WITH MECHANICAL AND PLUMBING EQUIPMENT SHALL BE INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. REFER TO MECHANICAL AND PLUMBING EQUIPMENT SCHEDULES.
2. ALL DISCONNECT SWITCHES SHALL BE LABELED WITH ENGRAVED LAMACOID NAMEPLATE WITH LETTERING INDICATING CIRCUIT NUMBER AND SOURCE. FASTEN LABEL WITH SILICON ADHESIVE.
3. ALL BRANCH CIRCUITRY FEEDING ROOFTOP EQUIPMENT SHALL BE EXTENDED ABOVE CEILING AND BELOW ROOF TO PENETRATE THROUGH ROOF WITHIN EQUIPMENT OR AS CLOSE AS POSSIBLE TO EQUIPMENT. COORDINATE IN FIELD WITH MECHANICAL AND PLUMBING CONTRACTORS.
4. ALL FAN COIL UNITS (FCU) SHOWN ON PLAN SHALL BE FURNISHED WITH (2) MOTORIZED DAMPERS (BY MC). ELECTRICAL CONTRACTOR SHALL EXTEND POWER CIRCUITRY FOR FAN COIL UNIT TO EACH ASSOCIATED MOTORIZED DAMPER. COORDINATE WITH MECHANICAL CONTRACTOR.



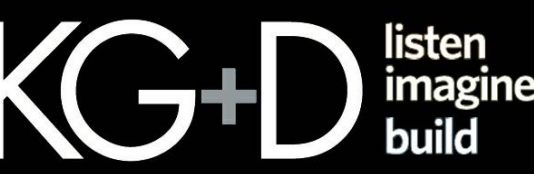
1 ELECTRICAL - ROOF POWER PLAN - AREA A
1/8" = 1'-0"

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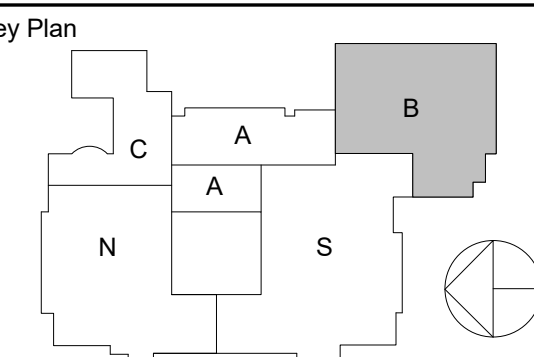


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3	02/02/2024	ADDENDUM #2
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Sheet Title

ELECTRICAL:
ROOF POWER PLAN -
AREA B

Job No. 2021-1087 Date 09/08/2022

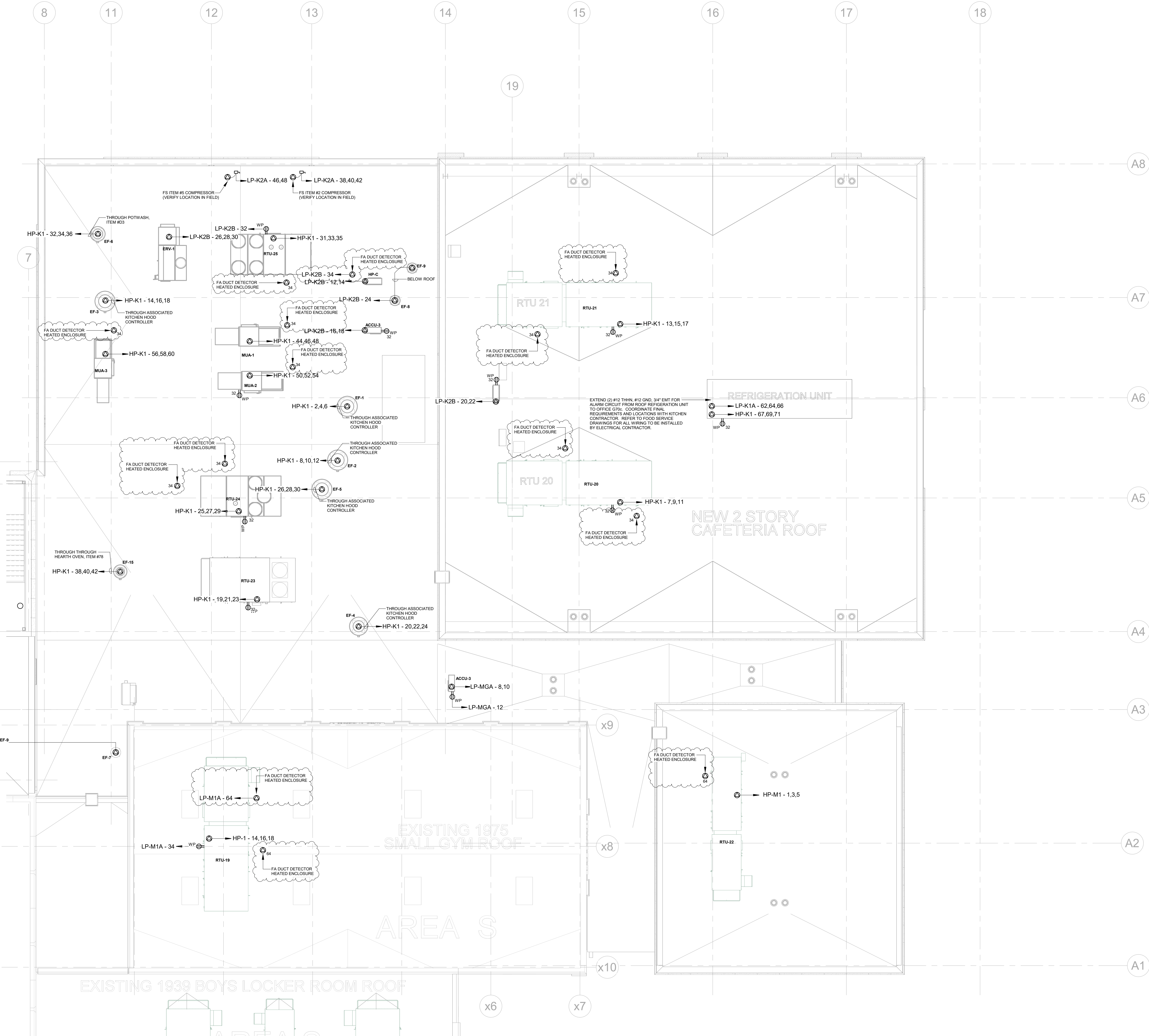
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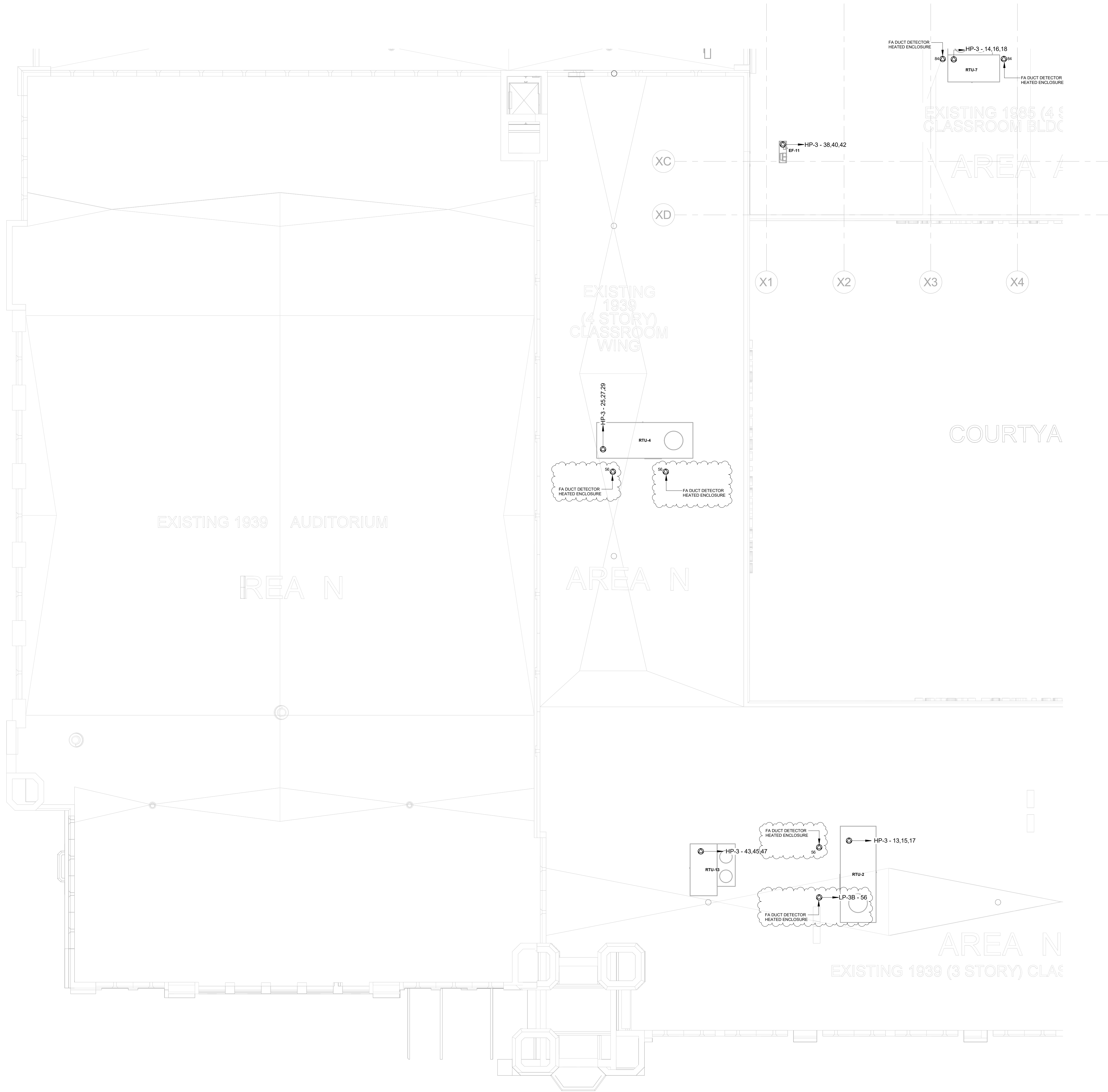
E204.B

NOTES:

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3. ALL BRANCH CIRCUITRY FEEDING ROOFTOP EQUIPMENT SHALL BE EXTENDED ABOVE CEILING AND BELOW ROOF TO PENETRATE THROUGH ROOF WITHIN EQUIPMENT OR AS CLOSE AS POSSIBLE TO EQUIPMENT. COORDINATE IN FIELD WITH MECHANICAL AND PLUMBING CONTRACTORS.
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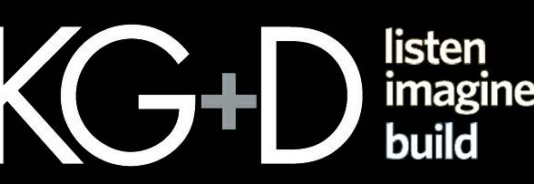
- NOTES:
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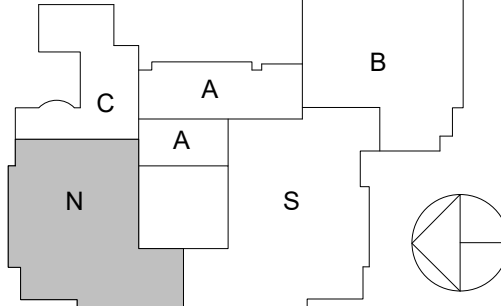
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Sheet Title

ELECTRICAL:
ROOF POWER PLAN -
AREA N

Job No. 2021-1087 Date 09/08/2022

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E204.N

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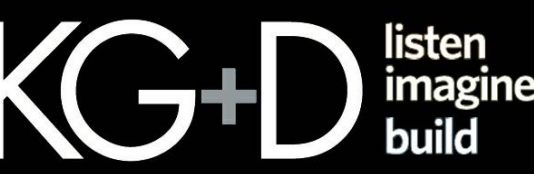
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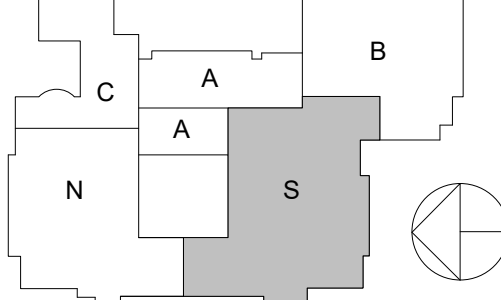
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3	03/05/2024	ADDENDUM #8
2	12/14/2023	ISSUE FOR BID
1	04/14/2023	NYSED ISSUE

No. Date Issue

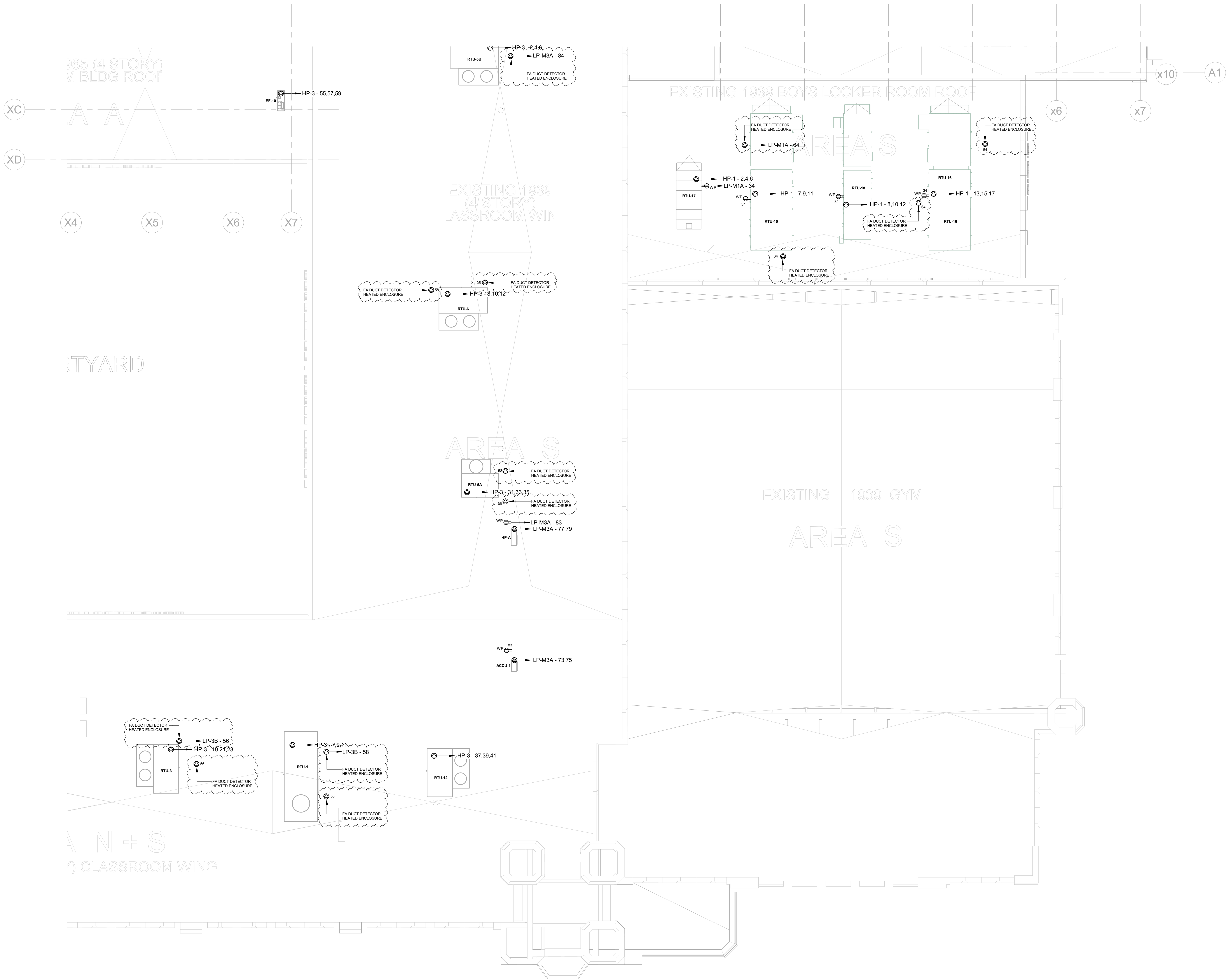
Sheet Title
ELECTRICAL:
ROOF POWER PLAN -
AREA S

Job No.	2021-1087	Date	09/08/2022
Scale	AS NOTED	Drawn / Checked	BH/DC SZ

Sheet Number
E204.S

NOTES:

1. ALL DISCONNECT SWITCHES SUPPLIED WITH MECHANICAL AND PLUMBING EQUIPMENT SHALL BE INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. REFER TO MECHANICAL AND PLUMBING EQUIPMENT SCHEDULES.
2. ALL DISCONNECT SWITCHES SHALL BE LABELED WITH ENGRAVED LAMACOD NAMEPLATE WITH LETTERING INDICATING CIRCUIT NUMBER AND SOURCE. FASTEN LABEL WITH SILICON ADHESIVE.
3. ALL BRANCH CIRCUITRY FEEDING ROOFTOP EQUIPMENT SHALL BE EXTENDED ABOVE CEILING AND BELOW ROOF TO PENETRATE THROUGH ROOF WITHIN EQUIPMENT OR AS CLOSE AS POSSIBLE TO EQUIPMENT. COORDINATE IN FIELD WITH MECHANICAL AND PLUMBING CONTRACTORS.
4. ALL FAN COIL UNITS (FCU) SHOWN ON PLAN SHALL BE FURNISHED WITH (2) MOTORIZED DAMPERS (BY MC). ELECTRICAL CONTRACTOR SHALL EXTEND POWER CIRCUITRY FOR FAN COIL UNIT TO EACH ASSOCIATED MOTORIZED DAMPER. COORDINATE WITH MECHANICAL CONTRACTOR.

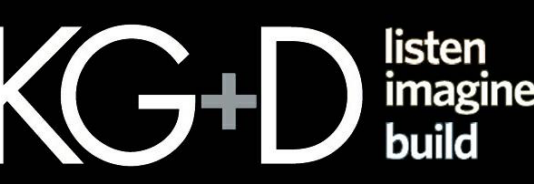


TWIN TOWERS
MIDDLE SCHOOL

Additions & Alterations

ENLARGED CITY SCHOOL
DISTRICT OF MIDDLETOWN

112 Grand Avenue
Middletown, NY 10940



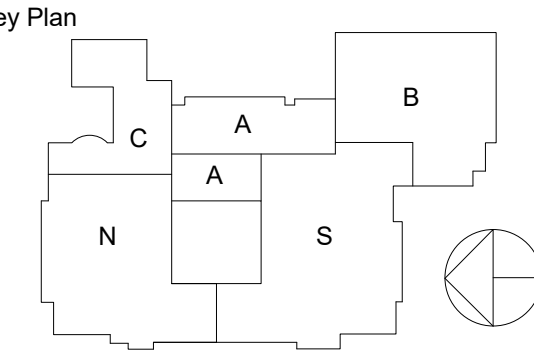
KG+D ARCHITECTS, PC
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549
P: 914.666.5900 KGDARCHITECTS.COM



GA22017-A

NY SED PROJECT CONTROL NO.
44-10-00-01-0-001-041

CONSTRUCTION DOCUMENTS



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Professional Seal

4	03/05/2024	ADDENDUM #6
3	02/09/2024	ADDENDUM #3
2	12/14/2023	ISSUE FOR BID
1	04/14/2023	NYSED ISSUE

No. Date Issue

Sheet Title

**ELECTRICAL:
EQUIPMENT
SCHEDULES**

Job No. 2021-1087 Date 09/08/2022

Scale AS NOTED Drawn / Checked BHDC SZ

Sheet Number

E704

Branch Panel: LP-GR A

Location: ELEC G30
Supply From: LDP
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65kA
Mains Type: MLO
Mains Rating: 225 A

NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES				POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES	
	1	G33 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1340 VA	194 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	ELEVATOR PIT LIGHT AND	2		
	3	G33 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		720 VA	1535 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G35, G37 LIGHTING	4		
	5	G33 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			720 VA	851 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G33 LIGHTING	6	
	7	G33 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	360 VA	1800 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	C001, C002, G31 LIGHTING	8		
	9	G35 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1340 VA	588 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	STAIR B LIGHTING	10		
	11	G35 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			900 VA	807 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	STAIR A LIGHTING	12	
	13	G35 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	720 VA	682 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	C009 LIGHTING	14		
	15	G37 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1340 VA	400 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	ELEVATOR A SMOKE CURTAINS	16		
	17	G37 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			900 VA	135 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	DISPLAY CASE LIGHTING	18	
	19	G37 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	720 VA	0 VA		1	20 A		SPARE	20		
	21	G31 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1420 VA	0 VA	1	20 A		SPARE	22		
	23	G33b, G34 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			360 VA	0 VA	1	20 A		SPARE	24	
	25	G36 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	540 VA	0 VA		1	20 A		SPARE	26		
	27	G31 & C001 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1080 VA	0 VA	1	20 A		SPARE	28		
	29	G30 & G30a RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			360 VA	0 VA	1	20 A		SPARE	30	
	31	G32 RECEPTACLE	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	180 VA	0 VA		1	20 A		SPARE	32		
	33	G30a DATA RACK RECEPTACLE	(2) #10 THHN, #10 GND, 3/4" EMT	30 A	2		250 VA	--	1	--		SPACE ONLY	34		
	35							250 VA	--	1	--	SPACE ONLY	36		
	37	G30a DATA RACK RECEPTACLE	(2) #10 THHN, #10 GND, 3/4" EMT	30 A	2	250 VA	--		1	--		SPACE ONLY	38		
	39						250 VA	--	1	--		SPACE ONLY	40		
	41	G30a DATA RACK RECEPTACLE	(2) #10 THHN, #10 GND, 3/4" EMT	30 A	2			250 VA	--	1	--	SPACE ONLY	42		
	43					250 VA	--		1	--		SPACE ONLY	44		
	45	G30a DATA RACK RECEPTACLE	(2) #10 THHN, #10 GND, 3/4" EMT	30 A	2		250 VA	--	1	--		SPACE ONLY	46		
	47							250 VA	--	1	--	SPACE ONLY	48		
	49	G30a DATA RACK RECEPTACLE	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	360 VA	--		1	--		SPACE ONLY	50		
	51	G30a DATA RACK RECEPTACLE	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		360 VA	--	1	--		SPACE ONLY	52		
	53	SPARE		20 A	1			0 VA	--	1	--	SPACE ONLY	54		
	55	SPARE		20 A	1	0 VA	--		1	--		SPACE ONLY	56		
	57		(2) #6 THHN, #10 GND, 1" EMT	60 A	2		4980 VA	--	1	--		SPACE ONLY	58		
	59	KILN						4980 VA	11933 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G30 NAC BOOSTER PANELS	60	1*
						7392 VA	14523 VA	11933 VA							
						62 A	127 A	105 A							

NOTES:
1* - CIRCUIT BREAKER SHALL BE LOCKABLE IN THE CLOSED POSITION.

Branch Panel: LP-GR C

Location: DELIVERIES G70b
Supply From: LDP
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65kA
Mains Type: MLO
Mains Rating: 225 A

NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES	A	B	C	POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES
	1	G70b, G72, G76 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	720 VA	5000 VA						2	
	3	G70b RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		540 VA	5000 VA				HEATER EH-C	4	
	5	MOTORIZED SLIDING DOOR	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			600 VA	5000 VA				6	
	7	AIR CURTAIN ARC-2	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	885 VA	5000 VA					HEATER EH-C	8	
	9						885 VA	5000 VA					10	
	11	COILING DOOR	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			373 VA	5000 VA				12	
	13	COILING DOOR	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	373 VA	--		1	--		SPACE ONLY	14	
	15	HEATER EHA	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		1000 VA	--	1	--		SPACE ONLY	16	
	17							1000 VA	--	1	--	SPACE ONLY	18	
	19	HEATER EHA	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	1000 VA	--		1	--		SPACE ONLY	20	
	21						1000 VA	--	1	--		SPACE ONLY	22	
	23	SPARE		20 A	1			0 VA	--	1	--	SPACE ONLY	24	
	25	SPARE		20 A	1	0 VA	--		1	--		SPACE ONLY	26	
	27	SPARE		20 A	1		0 VA	--	1	--		SPACE ONLY	28	
	29	SPARE		20 A	1			0 VA	--	1	--	SPACE ONLY	30	
	31	SPARE		20 A	1	0 VA	--		1	--		SPACE ONLY	32	
	33	SPARE		20 A	1		0 VA	--	1	--		SPACE ONLY	34	
	35	SPACE ONLY		--	1			--	--	1	--	SPACE ONLY	36	
	37	SPACE ONLY		--	1	--	--			1	--	SPACE ONLY	38	
	39	SPACE ONLY		--	1		--	--		1	--	SPACE ONLY	40	
	41	SPACE ONLY		--	1			--	--	1	--	SPACE ONLY	42	
						12988 VA	13435 VA	11973 VA						
						110 A	113 A	100 A						

NOTES:

Branch Panel: LP-GR B

Location: ELEC G50
Supply From: MDP-1
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65kA
Mains Type: MLO
Mains Rating: 225 A

NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES	A	B	C	POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES	
	1	WATER COOLER P-9	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	120 VA	1780 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G40 RECEPTACLES	2		
	3	G50, G52 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		360 VA	540 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G40 RECEPTACLES	4		
	5	G51 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1160 VA	1600 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G40 RECEPTACLES	6	
	7	G51 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	540 VA	1800 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G40 RECEPTACLES	8		
	9	G51 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1200 VA	1600 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G40 RECEPTACLES	10		
	11	G51 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1200 VA	540 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G38 RECEPTACLES	12	
	13	G51 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1600 VA	360 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42b RECEPTACLES	14		
	15	G53 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1160 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42b RECEPTACLES	16		
	17	G53 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1600 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42b RECEPTACLES	18	
	19	G53 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1600 VA	180 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42b RECEPTACLES	20		
	21	G53 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1600 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42a RECEPTACLES	22		
	23	G53 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1600 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42a RECEPTACLES	24	
	25	G53 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	540 VA	360 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42a RECEPTACLES	26		
	27	G55 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1160 VA	180 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42a RECEPTACLES	28		
	29	G55 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1600 VA	180 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G40a RECEPTACLES	30	
	31	G55 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1600 VA	360 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42a RECEPTACLES	32		
	33	G55 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1600 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42a RECEPTACLES	34		
	35	G55 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1600 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G42a RECEPTACLES	36	
	37	G55 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	540 VA	360 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G12b RECEPTACLES	38		
	39	G54, G56, G58 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		720 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G12b RECEPTACLES	40		
	41	C006, C007, C008 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1080 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G12b RECEPTACLES	42	
	43	C005, C006 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	540 VA	180 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G12b RECEPTACLES	44		
	45	G50 RECEPTACLE	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		180 VA	250 VA						46	
	47	G42 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1780 VA	250 VA	2	30 A	(2) #10 THHN, #10 GND, 3/4" EMT	G44a DATA RECEPTACLE	48	
	49	G42 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	720 VA	250 VA				(2) #10 THHN, #10 GND, 3/4" EMT	G44a DATA RECEPTACLE	50		
	51	G42 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1600 VA	250 VA	2	30 A	(2) #10 THHN, #10 GND, 3/4" EMT	G44a DATA RECEPTACLE	52		
	53	G42 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1600 VA	250 VA			(2) #10 THHN, #10 GND, 3/4" EMT	G44a DATA RECEPTACLE	54	
	55	G42 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1600 VA	250 VA		2	30 A	(2) #12 THHN, #12 GND, 3/4" EMT	G44a DATA RECEPTACLE	56		
	57	G42 COMPUTER RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1600 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G44a DATA RECEPTACLE	58		
	59	G44 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		540 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G44a DATA RECEPTACLE	60		
	61	G44 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	540 VA	360 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G44a DATA RECEPTACLE	62		
	63	G40, G42 LIGHTING	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1278 VA	0 VA	1	20 A		SPARE	64		
	65	C003, G38, G44 LIGHTING	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			498 VA	0 VA	1	20 A	SPARE	66		
	67	G51, G53, G55 LIGHTING	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1257 VA	0 VA		1	20 A		SPARE	68		
	69	C004 - C008 LIGHTING	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		1322 VA	0 VA	1	20 A		SPARE	70		
	71	STAIR J LIGHTING	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			559 VA	0 VA	1	20 A	SPARE	72		
	73	G44a DATA RECEPTACLE	(2) #10 THHN, #10 GND, 3/4" EMT	30 A	2	250 VA	0 VA		1	20 A		SPARE	74		
	75	G44a DATA RECEPTACLE	(2) #10 THHN, #10 GND, 3/4" EMT	30 A	2		250 VA	1160 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G50 NAC BOOSTER PANELS	76	1*	
	77	G44a DATA RECEPTACLE	(2) #10 THHN, #10 GND, 3/4" EMT	30 A	2			250 VA	0 VA	1	20 A	SPARE (FUTURE HAND DRYER)	78		
	79	G44a DATA RECEPTACLE	(2) #10 THHN, #10 GND, 3/4" EMT	30 A	2	250 VA	0 VA		1	20 A		SPARE (FUTURE HAND DRYER)	80		
	81	G44a DATA RECEPTACLE	(2) #10 THHN, #10 GND, 3/4" EMT	30 A	2		250 VA	0 VA	1	20 A		SPARE (FUTURE HAND DRYER)	82		
	83	G44a DATA RECEPTACLE	(2) #10 THHN, #10 GND, 3/4" EMT	30 A	2			250 VA	0 VA	1	20 A	SPARE (FUTURE HAND DRYER)	84		
						17734 VA	20051 VA	19797 VA							

Branch Panel: LP-MGA																	
Location: MECH G74						Volts: 120/208 Wye						A.I.C. Rating: 65kA					
Supply From: LDP						Phases: 3						Mains Type: MLO					
Mounting: Surface						Wires: 4						Mains Rating: 225 A					
Enclosure: NEMA 1 Indoor																	
NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES		A	B	C	POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES		
1*	1	G74 LIGHTING	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1708 VA	200 VA				1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	BMS PANEL	2		
	3	IRWIN AVE. SITE LIGHTING	(2) #10 THWN, #10 GND, 3/4" PVC	20 A	2			179 VA	200 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	BMS PANEL	4		
	5						179 VA	200 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	WATER FURNACE SUP. PANEL	6				
	7	SPARE		20 A	1	0 VA	2023 VA				2	(3) #12 THHN, #12 GND, 3/4" EMT	ACCU-3/AC-3	8			
	9	SPARE		20 A	1			0 VA	2023 VA						10		
	11	SPARE		20 A	1					0 VA	180 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	HVAC SERVICE RECEPTACLE	12	
	13	SPARE		20 A	1	0 VA	--					1	--	SPACE ONLY	14		
	15	SPARE		20 A	1			0 VA	--			1	--	SPACE ONLY	16		
	17	SPARE		20 A	1					0 VA	--	1	--	SPACE ONLY	18		
	19	SPARE		20 A	1	0 VA	--					1	--	SPACE ONLY	20		
21	SPARE		20 A	1			0 VA	--			1	--	SPACE ONLY	22			
23	SPARE		20 A	1					0 VA	--	1	--	SPACE ONLY	24			
25	SPARE		20 A	1	0 VA	--					1	--	SPACE ONLY	26			
27	SPARE		20 A	1			0 VA	--			1	--	SPACE ONLY	28			
29	SPARE		20 A	1					0 VA	--	1	--	SPACE ONLY	30			
31	SPARE		20 A	1	0 VA	--					1	--	SPACE ONLY	32			
33	SPACE ONLY		--	1			--	--			1	--	SPACE ONLY	34			
35	SPACE ONLY		--	1					--	--	1	--	SPACE ONLY	36			
37	SPACE ONLY		--	1	--	--					1	--	SPACE ONLY	38			
39	SPACE ONLY		--	1			--	--			1	--	SPACE ONLY	40			
41	SPACE ONLY		--	1					--	--	1	--	SPACE ONLY	42			
						3932 VA	2401 VA	559 VA									
						35 A	22 A	5 A									
NOTES: 1* - PROVIDE PHOTOCELL 'ON' AND 7-DAY TIME CLOCK 'OFF' FOR CONTROL OF SITE LIGHTS. TIME CLOCK SHALL BE CAPABLE OF RETAINING PROGRAMMING DURING LOSS OF POWER FOR A PERIOD OF AT LEAST 10 HOURS.																	

Branch Panel: LP-MGC														
Location: ELEC G50						Volts: 120/208 Wye				A.I.C. Rating: 22kA				
Supply From: MDP-1						Phases: 3				Mains Type: MLO				
Mounting: Surface						Wires: 4				Mains Rating: 100 A				
Enclosure: NEMA 1 Indoor														
NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES	A	B	C	POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES
	1	(3) FCU-A RM G51, G53, G55	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	843 VA	195 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	COMBO FIRE/SMOKE...	2	
	3						843 VA	998 VA		2			15 A	
	5	FCU-6A RM C006	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA	998 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	HEATER EH-A	6
	7					832 VA	180 VA	1	20 A	8				
	9	SPARE		15 A	2		0 VA	60 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	(1) CONDENSATE PUMP	AUD. AH DAMPERS	10
	11							0 VA	--	1			--	12
	13	SPACE ONLY		--	1	--	--		1	--		SPACE ONLY	14	
	15	SPACE ONLY		--	1		--	--	1	--		SPACE ONLY	16	
	17	SPACE ONLY		--	1			--	--	1	--	SPACE ONLY	18	
	19	SPACE ONLY		--	1	--	--		1	--		SPACE ONLY	20	
	21	SPACE ONLY		--	1		--	--	1	--		SPACE ONLY	22	
	23	SPACE ONLY		--	1			--	--	1	--	SPACE ONLY	24	
	25	SPACE ONLY		--	1	--	--		1	--		SPACE ONLY	26	
	27	SPACE ONLY		--	1		--	--	1	--		SPACE ONLY	28	
	29	SPACE ONLY		--	1			--	--	1	--	SPACE ONLY	30	
						2050 VA	1901 VA	1830 VA						
						17 A	16 A	15 A						

Branch Panel: LP-MGB															
Location: ELEC G30					Volts: 120/208 Wye					A.I.C. Rating: 65kA					
Supply From: LDP					Phases: 3					Mains Type: MLO					
Mounting: Surface					Wires: 4					Mains Rating: 100 A					
Enclosure: NEMA 1 Indoor															
NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES	A	B	C	POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES	
	1	FCU-2C RM C001	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA	60 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	COMBO FIRE/ SMOKE...	2		
	3						832 VA	200 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	BMS PANEL	4		
	5	FCU-7A RM C009	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA	998 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	ELEVATOR SUMP PUMP	6		
	7							832 VA	373 VA	2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	HEATER EH-A	8	
	9	FCU-2D RM G33	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		853 VA	998 VA					10		
	11							853 VA	1333 VA				12		
	13	FCU-2D RM G35	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	853 VA	1333 VA		3	15 A	(3) #12 THHN, #12 GND, 3/4" EMT	HEATER EH-B	14		
	15						853 VA	1333 VA					16		
	17	FCU-2D RM G37	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			853 VA	998 VA	2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	HEATER EH-A	18	
	19					853 VA	998 VA						20		
	21	(2) FCU-B RM G40, G42	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		962 VA	900 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	(5) CONDENSATE PUMPS	22		
	23							962 VA	--	1	--	SPACE ONLY	24		
	25	Spare		15 A	2	0 VA	--		1	--		SPACE ONLY	26		
	27						0 VA	--	1	--		SPACE ONLY	28		
	29	Spare						0 VA	--	1	--	SPACE ONLY	30		
	31			15 A	2	0 VA	--		1	--		SPACE ONLY	32		
	33	SPACE ONLY		--	1		--	--	1	--		SPACE ONLY	34		
	35	SPACE ONLY		--	1			--	--	1	--	SPACE ONLY	36		
	37	SPACE ONLY		--	1	--	--		1	--		SPACE ONLY	38		
	39	SPACE ONLY		--	1		--	--		1	--	SPACE ONLY	40		
	41	SPACE ONLY		--	1			--	--	1	--	SPACE ONLY	42		
						6759 VA	6531 VA	5804 VA							
						57 A	55 A	48 A							

Branch Panel: LP-M1A																
Location: ELEC 130					Volts: 120/208 Wye					A.I.C. Rating: 65kA						
Supply From: LDP					Phases: 3					Mains Type: MLO						
Mounting: Surface					Wires: 4					Mains Rating: 225 A						
Enclosure: NEMA 1 Indoor																
NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES	A	B	C	POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES		
	1	FCU-1 RM 131	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA	1701 VA				(3) #10 THHN, #10 GND, 3/4" EMT	HP-C/FCU-C	2			
	3						832 VA	1701 VA		2	20 A		4			
	5	FCU-1 RM 133	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA	1976 VA	2	35 A	(3) #8 THHN, #10 GND, 3/4" EMT	6			
	7					832 VA	1976 VA					HP-A	8			
	9	FCU-1 RM 135	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA	1976 VA	2	35 A	(3) #8 THHN, #10 GND, 3/4" EMT	10			
	11							832 VA	1976 VA			HP-A	12			
	13	FCU-1 RM 137	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA	1976 VA			2	35 A	(3) #8 THHN, #10 GND, 3/4" EMT	14			
	15						832 VA	1976 VA				HP-A	16			
	17	FCU-2C RM C104	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2				832 VA	1976 VA	2	35 A	(3) #8 THHN, #10 GND, 3/4" EMT	18		
	19					832 VA	1976 VA					HP-B	20			
	21	FCU-2C RM RC103	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA	1976 VA		2	35 A	(3) #8 THHN, #10 GND, 3/4" EMT	22		
	23							832 VA	1976 VA			HP-B	24			
	25	FCU-3B RM 120	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA	1701 VA			2	20 A	(3) #10 THHN, #10 GND, 3/4" EMT	26			
	27						832 VA	1701 VA				HP-C/FCU-C	28			
	29							1066 VA	874 VA	2	15 A	(3) #10 THHN, #10 GND, 3/4" EMT	30			
	31	FCU-5 RM 144	(3) #12 THHN, #12 GND, 3/4" EMT	20 A	3	1066 VA	874 VA				20 A	ACCU-2/AC-2	32			
	33						1066 VA	900 VA		1	20 A	(2) #10 THHN, #10 GND, 3/4" EMT	34			
	35	FCU-5 RM 144	(3) #12 THHN, #12 GND, 3/4" EMT	20 A	3	1066 VA	0 VA			1066 VA	940 VA	1	20 A	(2) #10 THHN, #10 GND, 3/4" EMT	36	
	37											HVAC SERVICE RECEPTACLES	38			
	39						1066 VA	0 VA		2	15 A		40			
	41	FCU-2A RM 163	(2) #8 THHN, #10 GND, 3/4" EMT	15 A	2				833 VA	0 VA	2	15 A	SPARE	42		
	43					833 VA	0 VA					SPARE	44			
	45	FCU-8C RM 181	(2) #10 THHN, #10 GND, 3/4" EMT	15 A	2			832 VA	30 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	46			
	47							832 VA	200 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	48			
	49	FCU-4 RM 153	(3) #12 THHN, #10 GND, 3/4" EMT	20 A	3	1066 VA	1000 VA			2	15 A	(2) #12 THHN, #10 GND, 3/4" EMT	50			
	51						1066 VA	1000 VA				HEATER EH-A	52			
	53							1066 VA	1000 VA	2	15 A		54			
	55					1066 VA	1000 VA					HEATER EH-A	56			
	57	FCU-4 RM 156	(3) #12 THHN, #10 GND, 3/4" EMT	20 A	3			1066 VA	1080 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	58			
	59							1066 VA	720 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	60			
	61	FCU-2C RM C107	(2) #10 THHN, #10 GND, 3/4" EMT	15 A	2	832 VA	1080 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	62			
	63						832 VA	350 VA		1	20 A	(6) CONDENSATE PUMPS	64			
	65	FCU-6A RM 154	(2) #10 THHN, #10 GND, 3/4" EMT	15 A	2				832 VA	--	1	--	66			
	67					832 VA	--			1	--	SPACE ONLY	68			
	69	FCU-2C RM C110	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA	--	1	--	SPACE ONLY	70			
	71							832 VA	--	1	--	SPACE ONLY	72			
						24222 VA	23608 VA	22177 VA								
						204 A	199 A	185 A								

Branch Panel: LP-M1B															
Location: ELEC/ DATA 114a						Volts: 120/208 Wye						A.I.C. Rating: 22KA			
Supply From: SDP2						Phases: 3						Mains Type: MLO			
Mounting: Surface						Wires: 4						Mains Rating: 225 A			
Enclosure: NEMA 1 Indoor															
NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES	A	B	C	POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES	
	1	FCU-3A RM 101a	(2) #10 THHN, #10 GND, 3/4" EMT	15 A	2	832 VA 742 VA				2	15 A	(3) #12 THHN, #12 GND, 3/4" EMT	ACCU-1/AC-1	2	
	3						832 VA 742 VA							4	
	5	FCU-2E RM 105	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	833 VA 832 VA		833 VA 832 VA		2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-2C C101	6	
	7													8	
	9	FCU-3A RM 106	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		832 VA 832 VA			2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FCU-6A RM 116	10	
	11							832 VA 832 VA						12	
	13	FCU-1 RM 108	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA 832 VA				2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-2B RM 146	14	
	15						832 VA 832 VA							16	
	17	FCU-3C RM 110	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA 832 VA		2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-2B RM 148	18	
	19					832 VA 832 VA								20	
	21	FCU-6B RM 107	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	2		832 VA 1755 VA			2	25 A	(2) #10 THHN, #10 GND, 3/4" EMT	HP-D	22	
	23							832 VA 1755 VA						24	
	25	FCU-6A RM 112	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA 832 VA				2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FCU-6B RM 111, 113	26	
	27						832 VA 832 VA							28	
	29	FCU-2B RM 109	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA 1647 VA		2	20 A	(2) #10 THHN, #10 GND, 3/4" EMT	HP-C	30	
	31					832 VA 1647 VA								32	
	33	FCU-3B RM C102	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		832 VA 200 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	BMS PANEL	34	
	35							832 VA 200 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	BMS PANEL	36	
	37	SPARE		15 A	2	0 VA 1000 VA				2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	HEATER EH-A	38	
	39						0 VA 1000 VA							40	
	41	SPARE		15 A	2			0 VA 1041 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	WATER COOLERS	42	
	43					0 VA 347 VA				1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	WATER COOLER	44	
	45	COMBO FIRE/SMOKE...	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		75 VA --			1	--		SPACE ONLY	46	
	47	(7) CONDENSATE PUMPS	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1260 VA --		1	--		SPACE ONLY	48	
	49	(6) CONDENSATE PUMPS	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1080 VA --				1	--		SPACE ONLY	50	
	51	SPACE ONLY		--	1		-- --			1	--		SPACE ONLY	52	
	53	SPACE ONLY		--	1			-- --		1	--		SPACE ONLY	54	
	55	SPACE ONLY		--	1	-- --				1	--		SPACE ONLY	56	
	57	SPACE ONLY		--	1		-- --			1	--		SPACE ONLY	58	
	59	SPACE ONLY		--	1			-- --		1	--		SPACE ONLY	60	
						13156 VA	11259 VA	13411 VA							
						112 A	94 A	114 A							
NOTES:															
1* - CIRCUIT BREAKER SHALL BE LOCKABLE IN THE CLOSED POSITION.															

Branch Panel: LP-M2A						Volts: 120/208 Wye				A.I.C. Rating: 65KA				
Location: ELEC 230						Phases: 3				Mains Type: MLO				
Supply From: LDP						Wires: 4				Mains Rating: 225 A				
Mounting: Surface														
Enclosure: NEMA 1 Indoor														
NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES	A	B	C	POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES
	1	FCU-1 RM 231	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA 832 VA				2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-7A RM 247	2
	3						832 VA 832 VA							4
	5	FCU-2A RM 233	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			853 VA 832 VA		2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-1 RM 246	6
	7					853 VA 832 VA								8
	9	FCU-2A RM 235	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		853 VA 832 VA			2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-1 RM 205	10
	11							853 VA 832 VA						12
	13	FCU-2A RM 233	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	853 VA 853 VA				2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-2B RM 207	14
	15						853 VA 853 VA							16
	17	FCU-2C RM C204	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA 832 VA		2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-1 RM 208	18
	19					832 VA 832 VA								20
	21	FCU-1 RM 240	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		832 VA 853 VA			2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-2B RM 209	22
	23							832 VA 853 VA						24
	25	FCU-1 RM 242	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA 832 VA				2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-1 RM 210	26
	27						832 VA 832 VA							28
	29	FCU-1 RM 244	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA 832 VA		2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-1 RM 211	30
	31					832 VA 832 VA								32
	33	FCU-C RM RC203	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		832 VA 853 VA			2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-8A C202	34
	35							832 VA 853 VA						36
	37	FCU-1 RM 223	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA 853 VA				2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-2B RM 213	38
	39						832 VA 853 VA							40
	41	FCU-1 RM 225	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA 853 VA		2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-2B RM 215	42
	43					832 VA 853 VA								44
	45	FCU-2B RM 201	(2) #8 THHN, #10 GND, 3/4" EMT	15 A	2		853 VA 281 VA			2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FCU-A RM 219	46
	47							853 VA 281 VA						48
	49	FCU-2B RM 203	(2) #8 THHN, #10 GND, 3/4" EMT	15 A	2	853 VA 832 VA				2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FCU-1 RM 216	50
	51						853 VA 832 VA							52
	53	FCU-9 RM C201	(2) #8 THHN, #10 GND, 3/4" EMT	20 A	2			924 VA 832 VA		2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FCU-1 RM 218	54
	55					924 VA 832 VA								56
	57	FCU-1 RM 248	(2) #10 THHN, #10 GND, 3/4" EMT	15 A	2		832 VA 832 VA			2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FCU-1 RM 220	58
	59							832 VA 832 VA						60
	61	SPARE		20 A	2	0 VA 200 VA				1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	BMS PANEL	62
	63						0 VA 900 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	(5) CONDENSATE PUMPS	64
	65	SPARE		20 A	2			0 VA 900 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	(5) CONDENSATE PUMPS	66
	67					0 VA 1260 VA				1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	(7) CONDENSATE PUMPS	68
	69	SPARE		20 A	1		0 VA 1080 VA			1	20 A	(2) #10 THHN, #10 GND, 3/4" EMT	(6) CONDENSATE PUMPS	70
	71	SPARE		20 A	1			0 VA 1080 VA		1	20 A	(2) #10 THHN, #10 GND, 3/4" EMT	(6) CONDENSATE PUMPS	72
						18318 VA	18237 VA	18287 VA						
						153 A	152 A	152 A						

Branch Panel: LP-M3A						Volts: 120/208 Wye				A.I.C. Rating: 65KA				
Location: ELEC 330						Phases: 3				Mains Type: MLO				
Supply From: LDP						Wires: 4				Mains Rating: 225 A				
Mounting: Surface														
Enclosure: NEMA 1 Indoor														
NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES	A	B	C	POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES
	1	FCU-2B RM 321	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	853 VA 853 VA				2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-2B RM 307	2
	3						853 VA 853 VA							4
	5	FCU-2B RM 323	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			853 VA 832 VA		2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-1 RM 308	6
	7					853 VA 832 VA								8
	9	FCU-1 RM 331	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		832 VA 853 VA			2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-2B RM 309	10
	11							832 VA 853 VA						12
	13	FCU-2A RM 333	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	853 VA 832 VA				2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-1 RM 310	14
	15						853 VA 832 VA							16
	17	FCU-2A RM 335	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			853 VA 832 VA		2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-1 RM 311	18
	19					853 VA 832 VA								20
	21	FCU-2A RM 337	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		853 VA 853 VA			2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-8A RM C302	22
	23							853 VA 853 VA						24
	25	FCU-1 RM 340, FCU-D RM 338	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	832 VA 853 VA				2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FCU-2B RM 317	26
	27						832 VA 853 VA							28
	29	FCU-1 RM 342	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA 853 VA		2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FCU-2B RM 319	30
	31					832 VA 853 VA								32
	33	FCU-1 RM 342	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2		832 VA 853 VA			2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FCU-2D RM 318	34
	35							832 VA 853 VA						36
	37	FCU-8B RM C303	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2	853 VA 832 VA				2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FCU-1 RM 320	38
	39						853 VA 832 VA							40
	41	FCU-2C RM C304	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	2			832 VA 832 VA		2	15 A	(2) #10 THHN, #10 GND, 3/4" EMT	FCU-7A RM 346a	42
	43					832 VA 832 VA								44
	45	FCU-1 RM 305	(2) #10 THHN, #10 GND, 3/4" EMT	15 A	2		832 VA 1930 VA			2	25 A	(3) #10 THHN, #10 GND, 3/4" EMT	HP-D	46
	47							832 VA 1930 VA						48
	49	FCU-2B RM 346	(2) #10 THHN, #10 GND, 3/4" EMT	15 A	2	853 VA 1930 VA				2	25 A	(3) #10 THHN, #10 GND, 3/4" EMT	HP-D	50
	51						853 VA 1930 VA							52
	53	FCU-2B RM 348	(2) #10 THHN, #10 GND, 3/4" EMT	15 A	2			853 VA 1930 VA		2	25 A	(3) #10 THHN, #10 GND, 3/4" EMT	HP-D	54
	55					853 VA 1930 VA								56
	57	FCU-9 RM C301	(3) #10 THHN, #10 GND, 3/4" EMT	15 A	3		1066 VA 742 VA			2	15 A	(3) #12 THHN, #10 GND, 3/4" EMT	ACCU-1/AC-1	58
	59							1066 VA 742 VA						60
	61					1066 VA 742 VA				2	15 A	(3) #12 THHN, #10 GND, 3/4" EMT	ACCU-1/AC-1	62
	63						742 VA 742 VA							64
	65	ACCU-1/AC-1	(3) #12 THHN, #10 GND, 3/4" EMT	15 A	2			742 VA 800 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	(5) CONDENSATE PUMPS	66
	67					742 VA 800 VA				1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	(5) CONDENSATE PUMPS	68
	69	ACCU-1/AC-1	(3) #12 THHN, #12 GND, 3/4" EMT	15 A	2		742 VA 1440 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	(6) CONDENSATE PUMPS	70
	71	EF-7, EF-9, EF-13	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	1			336 VA 1440 VA		1	20 A	(2) #10 THHN, #10 GND, 3/4" EMT	(6) CONDENSATE PUMPS	72
	73					742 VA 200 VA				1	20 A	(2) #10 THHN, #10 GND, 3/4" EMT	BMS PANEL	74
	75	ACCU-1/AC-1	(3) #10 THHN, #10 GND, 3/4" EMT	15 A	2		742 VA 1000 VA			2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	HEATER EH-A	76
	77							1576 VA 1000 VA						78
	79	HP-A	(3) #8 THHN, #10 GND, 3/4" EMT	35 A	2	1976 VA 1000 VA				2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	HEATER EH-A	80
	81	HVAC SERVICE RECEPTACLES	(2) #10 THHN, #10 GND, 3/4" EMT	20 A	1		360 VA 1000 VA			1	20 A	(2) #10 THHN, #10 GND, 3/4" EMT	DUCT DETECTOR ENCLOSURES	82
	83	HVAC SERVICE RECEPTACLES	(2) #10 THHN, #10 GND, 3/4" EMT	20 A	1		360 VA 300 VA	360 VA 300 VA		1	20 A	(2) #10 THHN, #10 GND, 3/4" EMT		84
						26410 VA 220 A	25953 VA 216 A	26199 VA 219 A						

Branch Panel: LP-K1A															
Location: CENTRAL PREP KITCHEN G70 Supply From: KDP Mounting: Surface Enclosure: NEMA 4X Type 304 Stainless										Volts: 120/208 Wye Phases: 3 Wires: 4			A.I.C. Rating: 65kA Mains Type: MLO Mains Rating: 400 A		
NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES	A	B	C	POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES	
	1*	REACH-IN FRIDGE #A1	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	972 VA	360 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	CEILING RECEPTACLE	2		
	1*	REACH-IN FRIDGE #A1	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		972 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	CEILING RECEPTACLE	4		
	1*	REACH-IN FREEZER #A2	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			912 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	6		
	7	RECEPTACLE	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	180 VA	660 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	FRIDGE CEILING RECEPTACLE #B16	8	1*	
	9	RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		360 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	RECEPTACLES #B17	10		
	11	RECEPTACLES #A10	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			360 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	12		
	13	RECEPTACLES #A11	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	360 VA	2400 VA					RECEPTACLES #B18	14		
	15	CEILING RECEPTACLE	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		360 VA	2400 VA	3	25 A	(3) 10 THHN, #10 GND, 3/4"	BAGEL DIVIDER #B22	16		
	17	CEILING RECEPTACLE	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			180 VA	2400 VA				18		
	19					264 VA	1128 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	FREEZER #C3	20	1*	
	21	DOUGH SHEETER #B1	(3) 12 THHN, #12 GND, 3/4"	15 A	3		264 VA	3600 VA					22		
	23							264 VA	3600 VA	3	40 A	(3) 8 THHN, #10 GND, 3/4"	24		
	25					1200 VA	3600 VA						26		
	1*	27	MIXER RECEPTACLE #B2	(3) 12 THHN, #12 GND, 3/4"	20 A	3		1200 VA	3960 VA				28		
	29							1200 VA	3960 VA	3	45 A	(3) 8 THHN, #10 GND, 3/4"	30		
	31					1200 VA	3960 VA						32		
	1*	33	MIXER RECEPTACLE #B2	(3) 12 THHN, #12 GND, 3/4"	20 A	3		1200 VA	652 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	34		
	35							1200 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	36		
	37					4200 VA	360 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	CEILING RECEPTACLE	38		
	39	MIXER #B3	(3) 8 THHN, #10 GND, 3/4"	50 A	3		4200 VA	660 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	FRIDGE #C15	40	1*	
	41							4200 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	RECEPTACLES #C16	42	
	1*	43	WATER METER RECEPTACLE #B4	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	180 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	RECEPTACLES #C17	44		
	45	PROOFER/RETARDER #B9	(3) 10 THHN, #10 GND, 3/4"	25 A	2		1872 VA	180 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	RECEPTACLE	46		
	47							1872 VA	360 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	48		
	49	#B10 CONTROL CIRCUITRY-14	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	926 VA	1080 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	RECEPTACLES	50		
	51	OVEN #B30	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	2		915 VA	180 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	WATER COOLER	52		
	53							915 VA	--	1	--		54		
	55	G70C RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1080 VA	--		1	--		SPACE ONLY	56		
	57	G70 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		360 VA	--	1	--		SPACE ONLY	58		
	59	G70 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			360 VA	--	1	--	SPACE ONLY	60		
	61	G70 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	360 VA	7248 VA						62		
	63	G70 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		720 VA	7248 VA	3	70 A	(4) #4 THHN, #8 GND, 1-1/4" EMT	ROOF REFRIGERATION UNIT	64		
	65	G70 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			540 VA	7248 VA				66		
	67	G70 RECEPTACLES	(2) #12 THHN, #12 GND, 3/4EP" EMT	20 A	1	900 VA	11328 VA						68		
	69	G70h RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		360 VA	11684 VA	3	125 A	(4) #2 THHN, #6 GND, 1-1/2" EMT	PANEL LP-K1C	70		
	71	G70h RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			360 VA	9600 VA				72		
						44306 VA	44067 VA	40779 VA							
						373 A	371 A	340 A							
NOTES: 1* - INSTALL GFCI TYPE CIRCUIT BREAKER WHERE INDICATED.															

Branch Panel: LP-K2A																					
Location: ELEC / DATA 172e Supply From: KDP Mounting: Surface Enclosure: NEMA 1 Indoor INSTALL WITH THROUGH-FEED LUGS TO FEED PANEL LP-K2B										Volts: 120/208 Wye Phases: 3 Wires: 4					A.I.C. Rating: 65KA Mains Type: MLO Mains Rating: 400 A						
NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES	A			B			C			POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES	
	1	REF. MONITORING SYS. #7	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	180 VA	936 VA							1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	FOOD PROTECTORS #61, 64, 66, 67	2			
	3	RECEPTACLES #9	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			360 VA	1524 VA					1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	DROP-IN HOT/COLD #62	4	1*		
	5	VEG. PREP. RECEPTACLE #12	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1					1440 VA	900 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	HOT/COLD SHELF #65	6	1*			
	7	FOOD SLICER #13	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	300 VA	720 VA						1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	POS SYSTEM RECEPTACLES	8				
	1*	9	REFRIGERATOR #15	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		660 VA	900 VA				1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	HOT/COLD SHELF #71	10	1*			
	11									6420 VA	816 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	FOOD PROTECTORS #72,73,75	12				
	13	WAREWASHER #17	(3) #6 THHN, #6 GND, 1" EMT	70 A	3	6420 VA	1040 VA						2	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	DROP-IN HEATED SHELF #74	14	1*			
	15							6420 VA	1040 VA									16			
1*	17	GRIDDLE/RANGE #29,30	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1					600 VA	1200 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	HEAT LAMP #76	18				
1*	19	CONVECTION OVEN #31	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1176 VA	360 VA						1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	RECEPTACLES	20				
1*	21	CONVECTION OVEN #31	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1176 VA	900 VA				1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	RECEPTACLES	22				
1*	23	CONVECTION OVEN #31	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1					1176 VA	720 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	174b, 174c, RECEPTACLES	24				
1*	25	CONVECTION OVEN #31	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1176 VA	1080 VA						1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	174a, 174e, 174h RECEPTACLES	26				
2*	27	OVEN-STEAMER #32	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			900 VA	1240 VA				1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	TV RECEPTACLES	28				
1*	29	FILTER SYSTEM #34	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1					276 VA	1240 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	TV RECEPTACLES	30				
1*	31	STEAMER #36	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	360 VA	680 VA						1	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FREEZER #1	32				
2*	33	KETTLE #37	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			50 VA	978 VA				2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	FREEZER	34				
	35	EXHAUST FAN CONTROL PANEL	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1					50 VA	978 VA					FREEZER EVAPORATOR #2	36				
	37	FIRE PROTECTION SYSTEM	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	50 VA	1428 VA											38			
1*	39	REFRIGERATOR #42	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			756 VA	1428 VA				3	20 A	(3) #12 THHN, #12 GND, 3/4" EMT	FREEZER COMPRESSOR #2	40				
1*	41	ICE MAKER #44	(2) #12 THHN, #12 GND, 3/4" EMT	15 A	1					1008 VA	1428 VA							42			
1*	43	CABINET WARM/HOLD #50	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1620 VA	420 VA						1	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	COOLER & EVAPORATOR #4&5	44				
1*	45	CABINET WARM/HOLD #50	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1			1620 VA	1248 VA				2	15 A	(2) #12 THHN, #12 GND, 3/4" EMT	COOLER COMPRESSOR #4	46				
	47	RECEPTACLES #51	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1					360 VA	1248 VA		1	20 A		SPARE	50				
	49	RECEPTACLES #52	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	360 VA	0 VA						1	20 A				52			
1*	51	DROP-IN HOT/COLD #60	(3) #12 THHN, #12 GND, 3/4" EMT	20 A	2			1248 VA	360 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT		STONE HEARTH OVEN #78	50	2*			
								1248 VA	0 VA		1	20 A				SPARE (FUTURE HAND DRYER)	54				
						41349 VA	42927 VA	47183 VA													
						345 A	360 A	395 A													
NOTES:																					
1* - INSTALL GFCI TYPE CIRCUIT BREAKER WHERE INDICATED.																					
2* - INDICATED CIRCUIT CONDUCTORS SHALL BE EXTENDED THROUGH 'SERVERY CONTACTOR PANEL' FOR CONNECTION FIRE ALARM. REFER TO 'SERVERY CONTACTOR PANEL DETAIL'.																					

Branch Panel: LP-K1B										Volts: 120/208 Wye		A.I.C. Rating: 65KA			
Location: CENTRAL PREP KITCHEN G70										Mains Type: MLO		Mains Rating: 400 A			
Supply From: KDP										Phases: 3					
Mounting: Surface										Wires: 4					
Enclosure: NEMA 4X Type 304 Stainless															
NOTES	CKT NO.	CIRCUIT DESCRIPTION	CONDUCTORS	CB SIZE	POLES					POLES	CB SIZE	CONDUCTORS	CIRCUIT DESCRIPTION	CKT NO.	NOTES
	1	CEILING RECEPTACLE	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	360 VA	840 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	SLICER #P27	2	
	3	DRAINING TEMPERING KIT...	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		180 VA	840 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	SLICER #27	4	
	5								1920 VA	180 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	RECEPTACLE	6
	7	VERTICAL FORM FILLER BAGGER #C38	(3) #12 THHN, #12 GND, 3/4" EMT	20 A	3	1920 VA	540 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G70b RECEPTACLES #R1, R2	8	
	9						1920 VA	1654 VA						10	
	11	CONVEYOR #C39	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1				888 VA	1654 VA	2	20 A	(3) #12 THHN, #12 GND, 3/4" EMT	ICE MAKER #R4	12
	13					2760 VA	500 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	HOOD CONTROL PANEL #R39	14	
	15	BATCH CHILLER #C40	(3) #10 THHN, #10 GND, 3/4" EMT	30 A	3		2760 VA	500 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	FIRE PROTECTION SYSTEM #A31	16	
	17								2760 VA	180 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	RECEPTACLE #A33	18
	19	DRAIN TEMPERING KIT #D3	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	180 VA	500 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	HOOD CONTROL PANEL #B31	20	
	21						3204 VA	500 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	FIRE PROTECTION SYSTEM #B32	22	
	23	POWER WASHER #D9	(3) #8 THHN, #10 GND, 3/4" EMT	35 A	3				3204 VA	420 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	WALK-IN COOLER #B33	24
	25					3204 VA	500 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	HOOD CONTROL PANEL #C36	26	
	27	DRYER #D17	(3) #10 THHN, #10 GND, 3/4" EMT	30 A	2		2760 VA	500 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	FIRE PROTECTION SYSTEM #C37	28	
	29							2760 VA	1236 VA					30	
	31	WASHER #D18	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1500 VA	1236 VA			2	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	WALK-IN COOLER EVAPORATOR #C43	32	
	33	FILTRATION SYSTEM #D19	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		180 VA	1000 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	WALK-IN COOLER & HEAT TAPE #C43	34	
	35	AIR COMPRESSOR DRYER #C28	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1				660 VA	500 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	HOOD CONTROL PANEL #P10	36
	37	CEILING RECEPTACLE	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	360 VA	500 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	FIRE PROTECTION SYSTEM #P11	38	
	39	CEILING RECEPTACLE	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	360 VA	860 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	WALK-IN COOLER #P25	40	
1*	41	FRIDGE RECEPTACLE...	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1				660 VA	1460 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	WALK-IN COOLER #R6	42
	43	RECEPTACLES #P16	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	360 VA	1460 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	WALK-IN COOLER #R9	44	
	45	RECEPTACLES #P17	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		360 VA	3200 VA						46	
1*	47	VEG/FRUIT PREP #P22	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1				1440 VA	3000 VA	3	35 A	(3) #8 THHN, #10 GND, 3/4" EMT	BLAST CHILLER #R12	48
1*	49	VEG/FRUIT PREP #P22	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1440 VA	3000 VA							50	
	51	PRODUCE WASH #C23	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	624 VA	3000 VA							52	
	53	RECEPTACLES	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1				360 VA	3000 VA	3	35 A	(3) #8 THHN, #10 GND, 3/4" EMT	BLAST CHILLER #R12	54
	55	HOOD CONTROL PANEL #C11	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	500 VA	3000 VA							56	
	57	FIRE PROTECTION SYSTEM #C12	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1		500 VA	5400 VA						58	
	59	WALK-IN COOLER EVAPORATORS #P15	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	2	1706 VA	5400 VA		1706 VA	5400 VA	3	60 A	(3) #8 THHN, #10 GND, 3/4" EMT	SHOCK FREEZER #R13	60
	63	WALK-IN COOLER & HEAT TAPE #R15	(2) #12 THHN, #12 GND, 3/4" EMT	20 A	1	1500 VA	0 VA			0 VA	1	20 A		SPARE	64
	65	SPARE		20 A	1				0 VA	0 VA	1	20 A		SPARE	66
	67	SPARE		20 A	1	0 VA	1207 VA		0 VA		1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G70 LIGHTING	68
	69	SPARE		20 A	1		0 VA	1461 VA			1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G70 LIGHTING	70
	71	SPARE		20 A	1			0 VA	871 VA	1	20 A	(2) #12 THHN, #12 GND, 3/4" EMT	G70b, G72, G76 LIGHTING	72	
						32974 VA	33003 VA	34200 VA							
						275 A	275 A	285 A							
NOTES:															
1" - INSTALL GFCI TYPE CIRCUIT BREAKER WHERE INDICATED.															