MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information								
Scouting Number	2025-029							
Item to be Scouted	Distribution Panelboards							
Days to be scouted	15							
Response Due By	02/13/2025							
Description	Circuit breaker type and fusible switch type power distribution panelboards as shown on drawings.							
Notify Requester Immediately	No							
State item to be used in	Alabama							

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Designing and engineering the panel layout, cutting and preparing the metal enclosure, bending and shaping the metal pieces to create the panel enclosure punching holes for mounting components and wire entry points, applying finishes, installing electrical components like breakers and bus bars, wiring connections, quality testing, and final assembly.
Provide dimensions / size / tolerances / performance specifications for the item	Please see attached information sheet for list of specifications, dimensions, etc
List required materials needed to make the product, including materials of product components	Incoming feeder lugs, cooper conductors, filler plates, wire terminals, ground bus, sub-feed lugs, and pressure wire connectors.
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other stndards, requirements, etc.?	Yes
Details	NECA 407 - Recommended Practice for Installing and Maintaining Panelboards NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum) NEMA AB 1 - Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit Breaker Enclosures NEMA FU 1 - Low-Voltage Cartridge Fuses NEMA PB 1 - Panelboards NEMA PB 1.1 - General Instructions for Proper Installation, Operation, and Maintenance of Panelboards Rated 600 Volts or Less NFPA 70 - National Electrical Code UL 50 - Enclosures for Electrical Equipment UL 67 - Panelboards UL 486A-486B - Wire Connectors UL 489 - Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit Breaker Enclosures UL 512 - Fuseholders
NAICS 1	335313 Switchgear and switchboard apparatus manufacturing
NAICS 2	
Additional Technical Comments	Products shall comply with BABBA.

Section 4: Business Informa	Section 4: Business Information										
Estimated potential business volume	11 Units. One time purchase.										
Estimated target price / unit cost information (if unavailable explain)	As this is related to BABBA, acceptable pricing is to be determined in negotiation.										
When is it needed by?	9/1/2025										
Describe packaging requirements	Store in clean, dry space. Maintain factory wrapping or provide additional canvas or plastic cover to protect from dirt, water, construction debris, and traffic.										
Where will this item be shipped?	Tuscaloosa, AL										

Additional Comments	
Is there other information you would like to include?	For BABBA related questions: University of Alabama POC: Joshua Bollinger jsbollinger@ua.edu

SECTION 262416.16 - DISTRIBUTION PANELBOARDS

PART 1 - GENERAL

1.1 RELATED WORK

- A Section 260519 Low-Voltage Electrical Power Conductors and Cables
- B Section 260526 Grounding and Bonding for Electrical Systems
- C Section 260529 Hangers and Supports for Electrical Systems
- D Section 260548 Vibration and Seismic Controls For Electrical Systems
- E Section 260553 Electrical Systems Identification
- F Section 260573 Power System Studies
- G Section 260812 Power Distribution Acceptance Tests
- H Section 260813 Power Distribution Acceptance Test Tables
- I Section 262713 Electrical Metering
- J Section 262813 Fuses

1.2 REFERENCE

A Products shall comply with the Build America, Buy America Act (BABBA). Provide all information to certify compliance. Refer to Division 00 and Division 01 for additional information.

1.3 DESCRIPTION

- A Section includes circuit breaker type and fusible switch type power distribution panelboards as shown on drawings and as scheduled.
- B Distribution panelboards are limited to 800A main bus capacity. Equipment with bus rating of greater than 800A must be switchboard construction.

1.4 REFERENCE STANDARDS

- A NECA 407 Recommended Practice for Installing and Maintaining Panelboards
- B NEMA 250 Enclosures for Electrical Equipment (1000 Volts Maximum)

- C NEMA AB 1 Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit Breaker Enclosures
- D NEMA FU 1 Low-Voltage Cartridge Fuses
- E NEMA KS 1 Enclosed and Miscellaneous Distribution Equipment Switches (600 Volts Maximum)
- F NEMA PB 1 Panelboards
- G NEMA PB 1.1 General Instructions for Proper Installation, Operation, and Maintenance of Panelboards Rated 600 Volts or Less
- H NFPA 70 National Electrical Code
- I UL 50 Enclosures for Electrical Equipment
- J UL 67 Panelboards
- K UL 486A-486B Wire Connectors
- UL 489 Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit Breaker Enclosures
- M UL 512 Fuseholders

1.5 SUBMITTALS

A Product Data:

1. Submit catalog data showing specified features of standard products. Eliminate extraneous catalog data.

B Shop Drawings:

- 1. Submit for review prior to manufacture. Include complete description, front view, dimensions, voltage, main bus ampacity, circuit breaker fusible switch arrangement and sizes, short circuit current rating, and factory settings of individual protective devices.
- 2. Submit 1/4" scale electrical room floor plans with panelboard locations.
- 3. Shop drawings that are not complete and/or not properly checked by the contractor will be rejected.
- 4. Submit features, characteristics, ratings, and factory settings of individual overcurrent protective devices and auxiliary components.

C Partial Submittals:

- 1. Panelboards shall be submitted for review together. Partial submittals of panelboards are not acceptable and will be rejected.
- D Manufacturer's Installation Instructions:

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1. Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, installation, and starting of product.

E Test Report:

1. Indicate field test and inspection procedures and interpret test results and corrective action taken for compliance with specification requirements.

F Closeout Submittals:

- 1. Project Record Documents:
 - a. Record actual locations of panelboards and record actual circuiting arrangements.
- 2. Operation and Maintenance Data:
 - a. Include manufacturer's recommended operating instructions, maintenance procedures and intervals, and preventive maintenance instructions.
 - b. Include manufacturer's written instructions for testing and adjusting overcurrent protective devices.
 - c. Include time-current curves and selectable ranges for each type of overcurrent protective device.
 - d. Include spare parts data listing, source, and current prices of replacement parts and supplies.

1.6 QUALITY ASSURANCE

- A Obtain panelboards, overcurrent protective devices, components, and accessories from one source and by a single manufacturer.
- B Regulatory Requirements:
 - 1. Comply with NFPA 70.
 - 2. Furnish products listed and classified by Underwriters Laboratories, Inc., as suitable for purpose specified and indicated.

1.7 DELIVERY, STORAGE, AND HANDLING

- A Store in clean, dry space. Maintain factory wrapping or provide additional canvas or plastic cover to protect from dirt, water, construction debris, and traffic.
- B Comply with NEMA PB 1.1 and manufacturer's written instructions.

1.8 WARRANTY

- A Refer to Division 01 and Section 260000 General Electrical Requirements for general warranty requirements.
- B Manufacturer shall provide standard 1 yr written warranty against defects in materials and workmanship for products specified in this Section. Warranty period shall begin on date of substantial completion.

1.9 MAINTENANCE

A Extra Materials:

1. Furnish Owner with two keys per panelboard.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A Schneider Square D
- B ABB-GE Industrial Solutions
- C Eaton Cutler Hammer
- D Siemens

2.2 POWER DISTRIBUTION PANELBOARDS

- A NEMA PB 1, UL 67.
- B Fabrication:
 - 1. Factory assembled
 - 2. Individualized breaker fusible switch dead-front cover door-in-door construction
 - 3. Incoming feeder lugs: copper conductors
 - 4. Multiple lugs to match number of conductors per phase
 - 5. Sub-feed (double) lugs, or feed-through lugs where indicated
 - 6. Filler plates
 - 7. Wiring terminals for field installed conductors: Pressure wire connectors, except wirebinding screws for #10 AWG or smaller conductors.
 - 8. Barriers shall be placed such that no uninsulated, ungrounded service busbar or service terminal is exposed to inadvertent contact by persons or maintenance equipment while servicing load terminations.

C Panelboard Buses:

- 1. Copper
- 2. Ampere rating as scheduled
- 3. Ground bus: uninsulated, bonded to panelboard cabinet
- 4. Insulated neutral bus where applicable: 100% of phase bus rating
- D Molded-Case Circuit Breakers:
 - 1. NEMA AB 1, UL 489
 - 2. Bolt-on or I-line type, labeled for 75°C copper and aluminum conductors
 - 3. Equipped with individually insulated, braced, and protected connectors

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- 4. Common internal trip on multi-pole breakers. Handle-ties are not permitted.
- 5. Ampere rating as scheduled
- 6. Front face flush with each other
- 7. Large, permanent, individual circuit numbers affixed to each breaker in uniform position
- 8. Tripped indication clearly shown by breaker handle taking position between "ON" and "OFF."
- 9. Listed as Type HACR for air conditioning equipment circuits
- Bussing, device mounting hardware, and steel knockouts in dead front where "space" is indicated
- 11. For 225A frame size and below: thermal-magnetic trip
- 12. For 250A frame size and above: electronic trip units interchangeable in the field within the frame size and field-adjustable long and short time pickup levels, long and short time delay adjustmeths, and instantaneous current settings. Each adjustment shall have discrete settings and shall be independent of all other adjustments.

E Cabinet

- 1. NEMA 250, UL 50
- 2. NEMA Type 1, Type 3R (outdoor locations) enclosure.
- 3. Four-piece front (trim) surface mounted with door over the front, with concealed self-adjusting trim clamps, and complete with cylinder-type lock and catch.
- 4. Same height matching trim, where two cabinets are mounted adjacent to one another in finished areas.
- 5. All sections of panelboards have the same size, where oversize cabinets are required for one section of multi-section panelboard.
- 6. Boxes and fronts made of code-gauge galvanized steel
- 7. Manufacturer's standard gray enamel finish over prime coat.

2.3 METERS

- A Provide meters as indicated on plans
 - 1. Provide separate metering compartments with digital meter in accordance with Section 262713 Electrical Metering.

2.4 SHORT CIRCUIT CURRENT RATING

- A Each panelboard with minimum short circuit current rating as indicated on drawings.
- B Panelboards marked with their maximum short circuit current rating at supply voltage.
- C Panelboards: Fully rated; series-rating is not allowed.

2.5 SURGE PROTECTIVE DEVICES (SPD)

A Per requirements in Section 264300 - Surge Protective Devices (SPD).

PART 3 - EXECUTION

3.1 COORDINATION WITH MANUFACTURER

- A Instruct manufacturer about the location of additional wiring gutter space when required, i.e. top, bottom, right, left, or combination.
- B Instruct manufacturer about the location of main lugs or main circuit breaker (i.e., top or bottom feed based on incoming feeder entrance location).
- C Instruct manufacturer to provide multiple lugs where conductors in parallel or sub-feed (double) lugs or feed-through lugs are indicated.
- D Instruct manufacturer on the size of cross-connection cables for panelboards fed via sub-feed (double) lugs or feed-through lugs. Make cable size with ampacity equal to incoming feeder.
- E Verify that "touch-up" paint kit is available for repainting.
- F Coordinate painting of cabinets in finished areas with work performed under Division 09 Finishes

3.2 EXAMINATION

- A Verify that space indicated for panelboard mounting meets code-required working clearances and dedicated equipment space.
- B Notify Architect/Engineer of any discrepancies prior to submittal of product data and shop drawings.

3.3 INSTALLATION

- A Install panelboards in accordance with NECA 407 and NEMA PB 1.1.
- B Install panelboards plumb and rigid without distortion of box, in accordance with manufacturer's written instructions, and in compliance with recognized industry practices.
- C Install top breaker handle a maximum of 6'-7" above finished floor or working platform, with handle in its highest position.
- D Tighten electrical connectors and terminals according to equipment manufacturer's published torque tightening values. Where manufacturer's torque values are not indicated, use those specified in UL 486A-486B.
- E Install as-built typewritten circuit directory in directory frame (to indicate installed circuit loads before completing load balancing) mounted inside each panelboard door. Include description of connected loads, room number, room name, area, or item served for each branch circuit. Indicate motor names and horsepower as applicable. Cover circuit directory with colorless plastic. Coordinate with Owner and Architect to ensure that room numbers used in panel directory are final numbers assigned by Owner.

- F Install engraved plastic nameplates under provisions of Section 260553 Electrical Systems Identification. Attach nameplate to exterior of each panelboard using small, corrosion-resistant metal screws or rivets. Do not use contact adhesive.
 - 1. Indicate panelboard name, amperage, voltage, phase, and number of wires.
- G Label spare circuits as SPARE. Leave spare breakers in OFF position.
- H Room numbers used shall be those used by Owner except as otherwise directed by Architect.
- Install panelboard in dedicated electrical space per NFPA 70 and as shown on drawings. Coordinate with miscellaneous trades for equipment foreign to the electrical installation to be outside of dedicated electrical space.
- J Install filler plates in unused spaces.
- K Install fuses in fusible switches, per requirements in Section 262813 Fuses.

3.4 CONNECTIONS

- A Ground panelboards according to Section 260526 Grounding and Bonding for Electrical Systems.
- B Connect wiring according to Section 260519 Low-Voltage Electrical Power Conductors and Cables.

3.5 FIELD QUALITY CONTROL

- A Inspect for physical damage, proper alignment, anchorage, and grounding.
- B Test circuit breakers per requirements in Sections 260812 Power Distribution Acceptance Tests and 26 0813 Power Distribution Acceptance Test Tables.
- C Interpret test results in writing and submit to Engineer.

3.6 REPAINTING

- A Remove paint splatters or other marks from surface of panelboards.
- B Touch-up chips, scratches, or marred finishes to match original finish, using manufacturersupplied paint kit. Leave remaining paint to Owner.

3.7 ADJUSTING

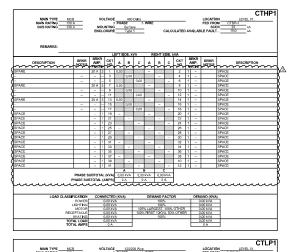
A Adjust fronts, covers, hinges, and locks.

B Circuit Breakers: Set field-adjustable trip settings or change the trip settings recommended by the overcurrent protective device coordination study supplied by the EOR.

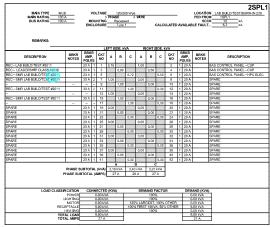
3.8 CLEANING

A Clean panelboard interiors and exteriors prior to final inspection. Remove paint splatters and other spots, dirt and debris.

END OF SECTION 262416.16



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EAT TRACE DONING, CT-1 EAT TRACE CONTROL CT-2 - ALT. BEAT TRACE CONTROL SET TWS BEAT TRACE CONTROL SET TWS BEAT TRACE CONTROL SET TWS EAT TRACE CONTROL SET TWS EAT TRACE CONTROL SET TWS EAT TRACE CONTROL BEAT TRACE EAT TRACE CONTROL EAT TRACE	EG	20 A 20 A	2	CKT NO 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33	1.00 1.00 1.08 0.00	1.00 1.40 0.24	0.54 0.54 0.61	A 0.50 2.00 0.00 0.00	9 2.00 0.36 0.00	C 2.00	CKT NO 2 4 6 8 10 12 14 16 16 16 16 20 22 24 28 28 39 30 32	P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A		PAD-MOUNT MY WINTOH CTRLS DO 505 ALK POWER TO CAN DIVINE CTC COAD VITN VALUE CTC COAD VITN VALUE CTC COAD VITN VALUE CTC COAD VITN VALUE STARS SPARS S
EAT TRACE CONTROL CT.1 EAT TRACE CONTROL CT.2 - N.T. EAT TRACE CONTROL 2-F TWS EAT TRACE CONTROL EAT TRACE CONTROL EAT TRACE CONTROL EAT TRACE FOR TR	EG	20 A 20 A	2	CKT NO 1 3 5 7 9 11 13 15 17 19 21 22 25 27 28 31 33 35	1.00 1.00 1.00 0.00 0.00	1.00 1.40 0.24 0.00	0.54 0.54	A 0.50 2.00 0.00 0.00	9 2.00 0.36 0.00	0.00 0.00	CKT NO 2 4 6 8 10 12 14 16 15 20 22 24 25 28 30 30 32 34	P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MP, DLES 20 A		PACAMOUNT MY SWITCH CTRLS TROOGS ALK POWER TO COME OF THE ACT OF T
EAT TRACE CONTROL CT-1 EAT TRACE CONTROL CT-2 EAT TRACE CONTROL 20 TYPE EAT TRACE EAT	EG	20 A	2	CKT NO 1 3 5 7 9 11 13 15 17 19 21 22 25 27 29 31 33 35 37	1.00 1.00 1.08 0.00	1.00 1.40 0.24 0.00	0.54 0.54 0.61	A 0.50 2.00 0.00 0.00	0.36 0.00 0.00	C 2.00	CKT NO 2 4 6 8 10 12 14 16 15 20 22 24 28 39 32 34 35 38	P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DLES 20 A		PACAMOLAT MY SWITCH CTRLS CORNOLOGY MY SWITCH CTRLS CORNOLOGY MY SWALE CORNOLOGY MY SWALE COUNTY WALE
DESCRIPTION BEAT TRACE COMPROL CT-1 ALT. BEAT TRACE COMPROL CT-2 ALT. BEAT TRACE CT-2 ALT. BEAT TRAC	EG	20 A 20 A	2	CKT NO 1 3 5 7 9 11 13 15 17 19 21 22 25 27 28 31 33 35	1.00 1.00 1.00 0.00 0.00	1.00 1.40 0.24 0.00	0.54 0.54 0.61	A 0.50 2.00 0.00 0.00	9 2.00 0.36 0.00	C 2.00	CKT NO 2 4 6 8 10 12 14 16 15 20 22 24 25 28 30 30 32 34	P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MP, DLES 20 A		PACAMOUNT MY SWITCH CTRLS TROOGS ALK POWER TO COME OF THE ACT OF T

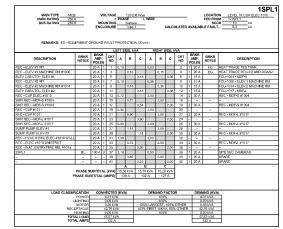


MAIN RATING 22	GB 5 A 5 A	M	κυ	NTING SURE	PHA	480 SE Surfa: Type	e -	WIRE		CALC	JLATED	A	'Allab		M UPS MECH KA
						DE. K			GHT:	nne i	A14				
DESCRIPTION	BRKR NOTES	BRK AME POLI	is	CKT	A	В	С	A	В	c	CKT NO	P	RKR MP, OLES	BRKR NOTES	DESCRIPTION
HPCW-1		100 A 3	3	1	18,01			0.00			2	3	20 A		SPARE
			Ε	3		18,01			0.00		4	Ŀ			-
-			Ŀ	5			18,01			0.00	8	-		-	-
P-PCHW-S-1	_	100 A	3	7	18,01			0.00			10	3	20 A		SPARE
	+ :-		F	9		18,01	18 01		0.00		10	Ŀ		-	-
PARE	-	50 A	3	13	0.00	-	10,01	0.00	-	0,00	14	3	20 A	-	SPARE
SPARE	+	60 A	3	15	0,00	0.00	_	0,00	0.00		16	3	20 A	-	SPARE
-		-	-	17	-	0,00	0.00		0,00	0.00	18			-	-
PARE	-	100 A	3	19	0.00	-	0,00	0.00	-	0,50	20	3	20 A	-	SPARE
-	-	1007	Ť	21	1000	0.00	_		0.00		22	ř		-	- AL
	-		ш	23		0,00	0.00		1,00	0.00	24			_	
SPARE	_	20 A	3	25	0.00			0.00			26	3	20 A		SPARE
			Ť	27		0.00	-		0.00	_	28	Ė		-	-
	-	-	-	29			0.00		****	0.00	30	-	-	-	-
SPACE			1	31	-						32	1			SPACE
BPACE		-	1	33		-			-		34	1			SPACE
SPACE		-	1	35			-			-	36	1			SPACE
SPACE		-	1	37							38	1			SPACE
SPACE		-	1	39		-			-		40	1			SPACE
SPACE			1	41							42	1			SPACE
	-		_			À .		В	_			_	_		
	PHASE S	UBTO	AL	(kVA)	35.0			3 KVA	36,00						
	PHASE SUE	втота	L (A	MPS)	13	0 A	13	0 A	13) A	l				
LOAD CLAS	SIFICATION	CO	NN	ECTE) (KVA	4)		DEM	AND F	ACTO	R		DEM	AND (KVA)
	POWER		-	000 kV	A .	_			100	6			- 0	00 kVA	in .
	LIGHTING 0.00 K				A				100				0	AVX CO	
	MOTOR	MOTOR 108.08 k*				_	125	% LAR	GEST,	100%	OTHER	_		1.59 kVA	_
No	HEATING			100 KV		-	1009	recs	100		OIHE			AVI CO	⊣
	TAL LOAD			130 A	VA.	=			.00				12	1,59 kVA 146 A	

MAIN RATING	MCB 100 A 100 A	M	юu	TAGE NTING ISURE	PHA	120/2 SE Surfac Type	e i	WRE		CALC	ULATE	- > A\	/ALAB	LOCATIO FED FRO SCI LE FAULT	OM T-1UPLM ⇒R 10 kA
_			_	_	EFT S	DE K	VA	R	GHT:	IDE.	(VA	_			
DESCRIPTION	BRKR NOTES	AMF POLI		CKT NO	٨	В	С	А	В	С	CKT NO	Ι.	OLES	BRKR NOTES	DESCRIPTION
CONTROLS - RTU-2		20 A	1	1	0.60			0.00			2	1	20 A		SPARE
CONTROLS - RTU-1		20 A	1	3		0,50			0,00		4	11	20 A		SPARE
CONTROLS - DOAS-1		20 A	1	5			0.50			0.00	- 6	1	20 A		SPARE
PARE		20 A	1	7	0,00			0,00			8	Įī.	20 A		SPARE
PARE		20 A	1	9		0.00			0.00		10	11	20 A		SPARE
PARE		20 A	1	11	_	_	0.00		_	0.00	12	1	20 A		SPARE
PARE	_	20 A	1	13	0.00	_		0.00	_	_	14	1	20 A		SPARE
SPARE		20 A	1	15	_	0.00	_		0.00	_	16	1	20 A		SPARE
SPARE	_	20 A	1	17	_	_	0,00		_	0,00	18	1	20 A		SPARE
SPARE		20 A	1	19	0.00		_	0.00	_	_	20	1	20 A		SPARE
PARE	_	20 A	1	21	-	0,00	_		0,00	-	22	1	20 A		SPARE
SPARE	_	20 A	1	23	_	_	0,00		_	0.00	24	11	20 A		SPARE
SPARE SPARE		20 A	1	25	0.00		_	0.00		Ь.	26	1	20 A		SPARE SPARE
SPARE SPARE	_	20 A	1	27	-	0,00			0.00		28	11	20 A		SPARE
SPARE		20 A	1	29		-	0.00		-	0.00	30	1	20 A		SPARE
SPARE SPARE	_	20 A	1	33	0,00	0.00	-	0,00	0.00	-	34	13	20 A		SPARE
SPARE	_	20 A	1		-	0,00	0.00		0.00	0.00	36	13	20 A		SPARE
SPARE.		20 A	1	35	0.00	-	0230	0.00	-	0.00	38	1	20 A		SPARE
SPARE	_	20 A		39	4,00	0.00	-	0.00	0.00	-	40	H	20 A		SPARE
SPARE		20 A		41	-	0330	0.00		4400	0.00	42	+;	20 A		SPARE
SPARE	_	20 A	14	41	_	<u> </u>		В			42	11	20 A		3FARE
	PHASE SUI				0.50		0.50		0.50	kVA					
LOAD CLA	ASSIFICATION	co		ECTE		4)		DEM	IAND F		R			AND (KVA	0
	POWER			.50 KV		=			100					50 kVA	
	LIGHTING			00 KA		\dashv	470	~ LAD	100		OTHER	_		AV4 00	
	RECEPTACLE			000 KV		_					OTHE			DO KVA	-
	HEATING			00 K		_	1007		100		- OTHE		0	00 kVA	⊣
	TOTAL LOAD			.50 KV	Ά									50 kVA	
	TOTAL AMPS			4.6										4.6	

MAIN TYPE MX. MAIN RATING 70 BUS RATING 100 REMARKS: FA - BR	A A	EN	OU	NTING	PHA	SE Surfac Type	» 1	WIRE						LOCATIC FED FRO SCO LE FAULT	2R 14 kA
			-	L	EFT S	DE, k	/A	R	GHT S	DE.	.VA	_			
DESCRIPTION	BRKR NOTES	AMF POLE		CKT	А	В	С	A	В	С	CKT NO	10	RKR MP, OLES	BRKR NOTES	DESCRIPTION
FA CONTROL PANEL - RM #1004	FA		0.50			0.97			2	1	20 A		LIGHTS - LEVEL 1 - EQPM ROOM		
FA NAC PANEL - RM #1004	FA	20 A	1	3		0.50			0.72		4	1	20 A		LIGHTS - LEVEL 1 - EQPM ROOM
SPARE		20 A	1	5			0.00			0.37	6	1	20 A		LIGHTS - LEVEL 1 - CIRCULATIO
ASD POWER SUPPLY - RM #1004	FA	20 A	1	7	0.50			0.17			8	1	20 A		LIGHTS - STAIR #2
ASD POWER SUPPLY - RM #1017	FA	20 A	1	9		0.50			0.24		10	1	20 A		LIGHTS - STAIR #2
ASD POWER SUPPLY - RM #1018	FA	20 A	1	11			0.90			0.48	12	1	20 A		LIGHTS - LEVEL 2
ASD POWER SUPPLY - RM #2016	FA	20 A	1	13	0.50			0.38			14	1	20 A		LIGHTS - LEVEL 2
PREACTION - N2 GEN - RM #1015	FA	30 A	1	15		2.00			0.07		16	1	20 A		LIGHTS - L2 - FUTURE SCIF
PREACTION - CTRL - RM #1015	FA	20 A	1	17			0.50			0.58	18	1	20 A		LIGHTS - EXTERIOR
FA NAC PANEL - RM #2008A	FA	20 A	1	19	0.50			0.11			20	1	20 A		LIGHTS - ENTRPZ DC HVAC - SH
SPARE		20 A	1	21		0.00			0.11		22	1	20 A		LIGHTS - ENTRPZ DC - SHELL
ERRCS - RM #1004		20 A	1	23			0.50		-	0.00	24	1	20 A		SPARE
REFRIG PURGE CTRL - CUP	_	20 A	1	25	0.50			0.00			26	1	20 A		SPARE
SPARE	_	20 A	1	27	-	0.00			0.00		28	1	20 A		SPARE
EF-3 (REFRIG PURGE)	_	15 A	3	29	-		0.94			0.00	30	1	20 A		SPARE
-	-			31	0.94			0.00			32	1	20 A		SPARE
-	-			33	-	0.94			0.00		34	1	20 A		SPARE
SPARE		20 A	1	35			0.00			0.00	36	1	20 A		SPARE
SPARE	_	20 A	i	37	0.00		1.00	0.00		1.00	38	Ť.	20 A		SPARE
SPARE		20 A	Ť	39	-	0.00		Ë	0.00		40	li.	20 A		SPARE
SPARE	1	20 A	i	41		100	0.00		1.00	0.00	42	1	20 A		SPARE
	•					A			-		Ė	•			
	PHASE SU					RVA I A	5,06		3,85						
LOAD CLASS		co		ECTE		ν		DEN	IAND F		R	_		AND (KVA	<u> </u>
	POWER			.50 kv		\neg	_		1005			_		50 KVA 07 KVA	⊣
	MOTOR			207 KV		\rightarrow	120	N I AD			OTHER	_		51 KVA	⊣
REC	EPTAGLE			Striky		\rightarrow					OTHER			50 KVA	⊣
	HEATING		- 5	100 KV	'A				1003			-	0	00 kVA	1
	FAL LOAD			3 89 63										69 kVA	

MAIN RATING	MCB 125 A 150 A	M	ΙΟU	LTAGE NTING DSURE	PHA	480/2: SE Surfac Type	· ·	WIRE		CALC	ULATED	A	/AILAE	LOCATION FED FROM SCO	OM T-1SPH1
			_	L	EFT S	DE. R	/A	R	GHT 5	IDE. F	(VA	_			
DESCRIPTION	BRKR NOTES	AMF POLI		CKT NO	Α	В	С	A	В	С	CKT NO	1 7	BRKR AMP, OLES	BRKR NOTES	DESCRIPTION
FCU-1010		35 A 3 1 7.57			0.25			2	1			LIGHTS - L1 - MDF ROOMS			
-	-			3		7,57			0.19		4	1	20 A		LIGHTS - ELEV 1 - SHAFT
-	-		Ŀ	5	_		7.57			0.29	- 6	1	20 A		LIGHTS - ELEV 2 - SHAFT
SPARE		20 A	1	7	0.00			0,00			8	1	20 A		SPARE
SPARE		20 A	1	9		0.00			1,48		10	1	20 A		LIGHTS - CUP/ELEC
SPARE SPARE	_	20 A	ļ.	11	0.00		0.00	0.00		0.00	12	11	20 A		SPARE SPARE
SPARE	_	20 A	1	15	0.00	0.00	_	0,00	0.00	_	16	13	20 A		SPARE
SPARE		20 A	H	17	-	0,00	0.00	_	0,00	0.00	18	1	20 A	_	SPARE
SPARE	_	20 A	÷	19	0.00	-	0.00	0.00	_	0,00	20	l÷	20 A	_	SPARE
SPARE	_	20 A	÷	21	0.00	0.00	_	0220	0.00	-	22	÷	20 A	_	SPARE
SPARE	_	20 A	١÷	23	-	0,00	0.00	_	0,00	0.00	24	÷	20 A		SPARE
SPARE		20 A	Ť	25	0.00			0,00		****	26	1	20 A		SPARE
SPARE		20 A	Ť	27	-	0.00			0.00		28	1	20 A		SPARE
SPARE		20 A	1	29			0.00			0.00	30	1	20 A		SPARE
SPARE		20 A	1	31	0.00			0,00			32	1	20 A		SPARE
SPARE		20 A	1	33		0.00			0.00		34	1	20 A		SPARE
SPARE		20 A	1	35			0.00			0.00	36	1	20 A		SPARE
GEN AUX PNL 1GPLA MTS		80 A	3	37	0.00			0.00			38	1	20 A		SPARE
-	-		Ŀ	39		0.00			0.00		40	1	20 A		SPARE
-	-		ŀ	41			0.00			0.00	42	1	20 A		SPARE
	PHASE SU				7,80	A RVA BA	9.24		7,85 28	kVA					
LOAD CLA	SSIFICATION	CO		ECTE		4)		DEN	IAND F		ıR			AND (KVA	<u> </u>
	POWER			0,00 kv		-			1005					21 kVA	-
	MOTOR		⇁	100 kv	'A	\neg	125	% LAR	GEST.	100%	OTHER	_	1	LOO KVA	⊣
1	RECEPTACLE			0.00 KV		=	100% FIRST 10KVA, 50% OTHER							LOO KVA	
	HEATING TOTAL LOAD	_		2,70 K) 4 91 K)		\neg	_	_	1009	6	_	_		2.70 kVA 191 kVA	+
				20 A	VA									30 A	





HIGH PERFORMANCE COMPUTING AND DATA CENTER



THE UNIVERSITY OF ALABAMA TUSCALOOSA, ALABAMA



Gensler

TAMES
THE DAY DESCRIPT OF ALABAMA
105 SHT STREET FOR STREET
105 STRE

TOSURCOSA, ALCANYA SEY 200348,273 ATTH 3058-AR BOULHOER ARCHIECTO B. RECORD DAMS ARCHIECTOS, INC. 102 280 STEED SOUTH BERNINGHAY, AL 3023 ATTH SEYLER HOWARD (COURTINEY PITTMAN DATA CENTER ARCHIECTO

ATTN: SKYLAR HOWARD / COURTNEY PITTMAN

DATA CENTER ARCHITECT
GENSLER
GEOPPECHTREE STREET NORTH EAST, SUITE 1400
ATLANTA, GA 30300
415,790,771

ATMANTA, GA 2009

ATTIN ACTIVATION AND PRECIMENT

ATTIN ACTIVATA, PALLI SHAVIN RECHART

MECHANICALI ELECTRICALIEL MENOREDINOLOGY ENGINEER
FILLED ENGINEERS, INC.

144 RULEDH ROOL, SUITE 205

PHECHALIST ACTIVATION

FILLEDH ROOL ACTIVATION

FILLEDH ROOL

ATTIN BAPT HOOLE

ORDER TELL MATTER
PROCESSES OF THE BART HOOGE
CTAL BART HOOGE
DIMON COMER ASSOCIATES, P.C.
302 MERCHANTS WALK SUITE 250
TUSCH, OOSE, AL 35-99
205-391-466
ATTR: JASON COKER / J.C. WILLITE
ATTR: JASON COKER / J.C. WILLITE

TUSCALOOSA, AL 35-909
205,591,6806
ATTH: JASON COKER / JC WILLHITE
STRUCTURAL ENGINEER
MRA ENGINEERS INC.
300,2011 STREET NORTH, SUITE 100
BERNINGHAM, AL 35303
205,592,6400
ATTH: ANDREW MARLIN

205-205-2010
ATTN: ANDREW MARL IN
LANDSCAPE ARCHITECT
JOHNSON AND COMPANY
2413-28D AVENUE SOUTH
BRAINGHAM, AL 30233
205-303-4447
ATTN: WELLIAM JOHNSON



N**>**

DATE CEREST DESCRIPTION ACCRECATE DESCRIPTION ACCRECATE THEORY AGENT

W.	10-11-2024
F308	CONFORMING SET
PHE 198	ASI #
DAVIS & GENSLER	4014
SHEET TILE	

ELECTRICAL EQUIPMENT SCHEDULES -PANELBOARDS

aprobat so

E608

MAIN TYPE MCI		,	/OI	LTAGE			08 Wye					_		LOCATIO		
MAIN RATING 250 BUS RATING 250				NTING SURE		SE SURFA Type	CE	WIRE		FED FROM T-1NPL1 SCCR 10 kA CALCULATED AVAILABLE FAULT 5.3 kA						
REMARKS:								-								
				L	EFT S	IDE, k\	VA	R	IGHT S	SIDE. k	VA					
DESCRIPTION	BRKR NOTES	BRK AMP POLE	,	CKT NO	Α	В	С	A	В	С	CKT NO	1	BRKR AMP, OLES	BRKR NOTES	DESCRIPTION	
EWH-1 - CUSTODIAL #1009		40 A	2	1	3.00			0.90			2	1	20 A		SMR REC - MDF-S #1004	
-				3		3.00			0.72		4	1	20 A		SMR REC - MDF-S #1004	
PP-2 - CUSTODIAL #1009		15 A	1	5			0.60			1.08	6	1	20 A		SMR REC - MDF-L #1017	
REC - #1001, #1002		20 A	1	7	0.72			0.90			8	1	20 A		SMR REC - MDF-L #1017	
REC - #1003		20 A	1	9		0.72			0.50		10	1	20 A		UV LIGHTS - DOAS-1	
REC - BR #1007, #1008, JAN. #1009		20 A	1	11			0.54			0.50	12	1	20 A		UV LIGHTS - RTU-1	
REC - #C002		20 A	1	13	0.54			1.50			14	1	20 A		DAMPERS - DOAS-1	
REC - #C001A, 1001, 1005		20 A	1	15		0.72			0.50		16	1	20 A		OIL SEPARATOR CTRL - CUP	
REC - HPC HVAC #1019		20 A	1	17			0.54			0.36	18	1	20 A		REC - ENTRPZ DC HVAC - SHELL	
REC - HPC ELEC #1018 WALL		20 A	1	19	0.54			0.27			20	1	20 A		LIGHTS - L1 - RESTROOMS	
REC - HPC ELEC #1018 UNISTRUT		20 A	1	21		0.72			0.46		22	1	20 A		LIGHTS - L2 - RESTROOMS/NURSIN	
REC - CUP #1011		20 A	1	23			1.44			0.50	24	1	20 A		LIGHTS/RECS - DOAS-1	
WATER FOUNTAIN - CORR. #C003	GF	20 A	1	25	0.50			0.00			26	1	20 A		SPARE	
REC - #1013, #1012, #1015		20 A	1	27		1.26			0.00		28	1	20 A		SPARE	
REC - CORR. #C003		20 A	1	29			1.08			0.00	30	1	20 A		SPARE	
REC - EAST EXTERIOR		20 A	1	31	0.72			8.86			32	3	100 A	BL	1NPL2	
EF-1		20 A	1	33		0.70			5.51		34					
EF-2		20 A	1	35			1.18			5.51	36					
REC - CUP ELEC. #1010		20 A	1	37	0.72			8.56			38	3	100 A	BL	2NPL1	
LIGHTS/RECS - RTU-1 & 2		20 A	1	39		1.00			8.84		40					
JV LIGHTS - RTU-2		20 A	1	41			0.50			6.76	42					
						Α		В	(
	PHASE S							5 kVA	20.59							
F	PHASE SUE	BTOTA	L (<i>I</i>	AMPS)	23	6 A	21	1 A	172	2 A						
LOAD CLASSII	ICATION	СО	NN	ECTE) (KVA	\)		DEM	IAND F	АСТО	R		DEM	AND (KVA	A)	
	POWER		2	4.50 k\	٧A				1009	6			24	.50 kVA		
l	IGHTING).74 kV					100%					74 kVA		
DEO	MOTOR			7.36 kV							OTHER			98 kVA		
	EPTACLE HEATING			0.02 k\).00 k\			100%	FIKS	10KV		OTHE	Τ.		.02 kVA .00 kVA	_	
	AL LOAD			2.98 k\					1007	J				.60 kVA		
	AL AMPS			203 A										204 A	 	

MAIN RATING 1	MCB 00 A 00 A	MC	OLTA DUNTII LOSU	3 PH IG		CE	WIRE	(CALCU	JLATED	AV	/AILAB	LOCATIO FED FRO SCO LE FAULT	1NPL1 kA
				LEFT:	SIDE, k	VA	R	IGHT S	SIDE, k	VA				
DESCRIPTION	BRKR NOTES	BRKF AMP, POLES	I CK		В	С	A	В	С	CKT NO	1	RKR AMP, OLES	BRKR NOTES	DESCRIPTION
EV CHARGING STATION 1		40 A	2 1	3.35	5		0.50			2	1	20 A		IRRIGATION CONTROLLER
-			3		3.35			0.50		4	1	20 A		VEHICLE RSTRNT CTRL - DOCK
EV CHARGING STATION 2		40 A	2 5			3.35			0.50	6	1	20 A		VEHICLE RSTRNT CTRL - DOCK
-			7	3.35	5		0.00			8	1	20 A		SPARE
SPARE		20 A	1 9		0.00			0.00		10	1	20 A		SPARE
SPARE		20 A	1 1			0.00			0.00	12	1	20 A		SPARE
OOCK LEVELER 1		15 A	3 13	0.83	3		0.00			14	1	20 A		SPARE
-			15		0.83			0.00		16	1	20 A		SPARE
-			17			0.83			0.00	18	1	20 A		SPARE
OOCK LEVELER 2		15 A	3 19	0.83	3		0.00			20	1	20 A		SPARE
-			2 ²		0.83			0.00		22	1	20 A		SPARE
-			23			0.83			0.00	24	1	20 A		SPARE
SPACE			1 25							26	1			SPACE
SPACE			1 27							28	1			SPACE
SPACE			1 29							30	1			SPACE
SPACE			1 3							32	1			SPACE
SPACE			1 33							34	1			SPACE
SPACE			1 35							36	1			SPACE
SPACE			1 37	·						38	1			SPACE
SPACE			1 39							40	1			SPACE
SPACE			1 4							42	1			SPACE
			•		Α		В	(;					
	PHASE SI	JBTOTA	AL (kV	A) 8.8	6 kVA	5.51	kVA	5.51	kVA					
	PHASE SUE	BTOTAL	(AMP	S)	'4 A	46	6 A	46	Α					
I OAD CLAS	SIFICATION	CON	INECT	ED (KV	(A)		DFM	AND F	ACTO	R		DFM	AND (KVA)
20, 20 3270	POWER [13.40		- 7			1009					.40 kVA	7
	LIGHTING		0.00	κVA				1009	6			0.	00 kVA	
	MOTOR		5.48							OTHER			10 kVA	
R	ECEPTACLE HEATING		1.00			100%	6 FIRS	10KV 1009		OTHER	₹		00 kVA 00 kVA	_
	HEALING		0.00	(VA				1 (1())	/n			. ()	UUKVA	1

MAIN TYPE MCB MAIN RATING 100 A BUS RATING 100 A	<u> </u>			-TAGE	PHA			WIRE				_		LOCATION FED FROM SCO	1NPL1 kA
REMARKS:		ENG	CLC	SURE		Type	1	-		CALCI	JLATE	AV	/AILAB	LE FAULT	4.4 kA
					EET 0	IDE, k\	//		IGHT S	NDE L	۸/۸				
DESCRIPTION	BRKR NOTES	BRK AMP POLE) ,	CKT NO	A	В	С	A	В	C C	CKT NO		BRKR AMP, OLES	BRKR NOTES	DESCRIPTION
MICROWAVE - BRK RM #2001		20 A	1	1	0.18			0.18			2	1	20 A		REC - AIRLOCK #2015
COFFEE - BRK RM #2001		20 A	1	3		0.18			0.18		4	1	20 A		REC - HPC(RESERVED) #2016A
FRIDGE - BRK RM #2001	GF	20 A	1	5			0.18			0.90	6	1	20 A		REC - NOC #2014 WEST
PRINTER - COPY/PRINT #2002B		20 A	1	7	0.18			0.90			8	1	20 A		REC - NOC #2014 EAST
REC - #2001, #2002B COUNTERTOP		20 A	1	9		0.36			0.18		10	1	20 A		REC - NOC #2014 DED NORTH
REC - OPEN OFFICE #2002		20 A	1	11			1.26			0.18	12	1	20 A		REC - NOC #2014 DED SOUTH
REC - PRIV. OFFICE #2003		20 A	1	13	1.26			0.36			14	1	20 A		REC - SHELL SPACE #2013
REC - PRIV. OFFICE #2004		20 A	1	15		1.08			0.36		16	1	20 A		REC - IT STORAGE #2012
REC - CLOSET #2002A		20 A	1	17			0.36			0.00	18	1	20 A		SPARE
REC - PUBLIC CORR. #C200		20 A	1	19	0.90			0.90			20	1	20 A		REC - ROOF
REC - BR #2005/06/07, JAN #2008/08A		20 A	1	21		1.08			0.90		22	1	20 A		REC - ROOF
WATER FOUNTAIN - CORR. #C201	GF	20 A	1	23	0.00		0.36	0.40		0.18	24	1	20 A		REC - PUBLIC CORR. #C200 AV
REC - MOTHERS #2009		20 A	1	25	0.36	0.40		0.18	0.54		26	1	20 A		REC - OPEN OFFICE #2002 AV
REC - CONF. AV #2010B		20 A	1	27		0.18	0.70		0.54	0.00	28	1	20 A		REC - BRK RM #2001
REC - CONF. #2010 WEST WALL REC - CONF. #2010 NORTH AND		20 A	1	29	1.00		0.72	0.00		0.36	30	1	20 A 20 A		REC - PUBLIC CORR #C200 REC - SMR LAB BUILD/TEST #2011
REC - CONF. #2010 NORTH AND		20 A 20 A	1	31 33	1.08	0.72		0.90	1.00		32 34	2			REC - SMR LAB BUILD/TEST #2011
REC - CONF. #2010 SOOTH FLOOR		20 A	1	35		0.72	0.72		1.00	1.00	36	-	30 A		REC - SIMR LAB BUILD/TEST #2011
REC - LAB BUILD/TEST #2011		20 A	1	37	0.18		0.72	1.00		1.00	38	2			REC - SMR LAB BUILD/TEST #2011
REC - LEADERSHIP CLASS #2016		20 A	1			1.08		1.00	1.00		40	<u>-</u>			
REC - PUBLCI CORR. #C200 SOUTH		20 A	1	41		1.00	0.54		1.00	0.00	42	1	20 A		SPARE
KES T SEEST SOLIKE WOLSON SOCIETY		2071	'	• •		A		<u></u> В	(3		٠.	2071		0.711
	PHASE S	ивтот	AL	(kVA)		kVA		kVA	6.76						
Pl	HASE SUE	BTOTA	L (A	MPS)	74	1 A	76	6 A	56	А					
											•				
LOAD CLASSIF	ICATION	СО	NN	ECTE) (KVA	A)		DEM	IAND F	АСТО	R		DEM	AND (KVA)
	POWER			.00 kV					1009				0.	.00 kVA	
L	IGHTING			0.00 kV			405	0/ 1 4 🗅	1009		OT! !			.00 kVA	
PECE	MOTOR			0.00 kV 4.16 kV		+					OTHER OTHE			.00 kVA .16 kVA	_
	HEATING			0.00 kV		+	1007		1000		, O 111L			.00 kVA	
				4.16 k\		_								.16 kVA	

MAIN TVDE	,		VO:	TAO-	_	400/0	77 \ \ 1							LOCATIO	1					
MAIN TYPE MCE MAIN RATING 100 /	3	,	VÜ		= PHA		77 Wye 4	WIRE				_		LOCATION FED FROM						
BUS RATING 100 /		М	ΟU	NTING		Surfac		WINE						SCO	R 14 kA					
<u> </u>	<u> </u>						1	-		CALC	ULATED) AV	/AILAB	LE FAULT						
								-												
REMARKS:																				
				L	EFT S	IDE, k\	/A	R	IGHT S	SIDE, I	κVA									
DESCRIPTION	BRKR NOTES	BRK AMP POLE	Α,	CKT NO	A	В	С	A	В	С	CKT NO	1	RKR AMP, OLES	BRKR NOTES	DESCRIPTION					
LIGHTS - L1 - HPC ELEC		20 A	1	1	1.40						2									
LIGHTS - L1 - LOADING DOCK		20 A	1	3		1.16					4			_						
LIGHTS - CUP		20 A	1	5			1.67				6									
LIGHTS - LOBBY		20 A	1	7	1.60						8									
LIGHTS - L1 SHELL (FUTURE)		20 A	1	9		0.00					10									
LIGHTS - L2 - CORR/OFFICE		20 A	_	11			1.53				12									
LIGHTS - L2 - DATA HALL		20 A	_	13	2.13						14									
LIGHTS - L2 - DATA HALL		20 A	_	15		2.13					16									
LIGHTS - L2 - CONF/LAB/NOC		20 A		17			1.31				18									
LIGHTS - L2 - SHELL		20 A	_	19	0.18						20									
LIGHTS - EXTERIOR		20 A	1	21		2.14					22									
LIGHTS - ENTRPZ DC HVAC - SHELL		20 A	_	23			0.29				24									
LIGHTS - ENTRPZ DC - SHELL		20 A	1	25	0.25						26									
				27							28									
				29							30									
				31							32									
				33							34									
			<u> </u>	35							36	1.								
SPACE			1	37							38	1			SPACE					
SPACE			1	39							40	1			SPACE					
SPACE			1	41		A				<u> </u>	42	1			SPACE					
	DUAGE 6	IIDT∩T	- A I	(L\/A\		A	5.43	3		kVA	-									
B	PHASE S HASE SUI					kVA A		A A		A A	-									
P	IIASE SUI	JIUIA	<u> </u>	-iviF3)		, ^		, ^	17	^	J									
													-							
LOAD CLASSIF	_	CO		ECTE		۱)		DEM		D FACTOR DEMAND (KVA)				<u>)</u>						
ı	POWER			0.00 kV			100% 0.00 kVA 100% 15.53 kVA 125% LARGEST, 100% OTHER 0.00 kVA													
	IGHTING MOTOR			5.53 k\).00 k\																
RECI	EPTACLE			0.00 kV			125% LARGEST, 100% OTHER 0.00 kVA 100% FIRST 10KVA, 50% OTHER 0.00 kVA													
	HEATING		C).00 kV	⁄Α				100				0	.00 kVA						
	AL LOAD		1	5.78 k\									15	5.78 kVA						
ТОТ	AL AMPS			19 A										19 A						

MAIN RATING 2	MCB 50 A 50 A	M	IOU	NTING	PHA		е	WIRE		CALCI	JLATED	-) A\	/AILAB	LOCATION FED FROM SCO	SWBD M1 KA
REMARKS:								-							
		,		L	EFT S	IDE, k\	/A	R	IGHT S	SIDE, k	VA	_			
DESCRIPTION	BRKR NOTES	BRK AMF POLI	Ρ,	CKT NO	A	В	С	A	В	c	CKT		BRKR AMP, OLES	BRKR NOTES	DESCRIPTION
CHILLED WATER PUMP LT-1		30 A	3	1	3.05			3.00			2	3	20 A	* * * *	AT-C001, 1001 & 1002 - LOBBY
-				3		3.05		_	3.00		4				
				5			3.05	}		3.00	6				
CHILLED WATER PUMP LT-2		30 A	3	7	3.05			3.67			8	3	20 A		AT-1012 - STAGING 1012
-				9		3.05		\	3.67		10				
				11			3.05			3.67	12				
DOAS-1		40 A	3	13	6.10			2.17			14	3	15 A		AT-C003-1 & 2 - LEVEL 1 CORR
		-		15		6.10		}	2.17		16				
				17			6.10			2.17	18				
DOAS ELECTRIC REHEAT		50 A	3	19	8.67						20	1			SPACE
				21		8.67		lacksquare			22	1			SPACE
				23			8.67	}			24	1			SPACE
FCU-1018A		15 A	3	25	2.03			}			26	1			SPACE
		-		27		2.03		}			28	1			SPACE
				29			2.03				30	1			SPACE
FCU-1015		15 A	3	31	2.03	0.55		Ç			32	1			SPACE
				33		2.03	0.00				34	1			SPACE
 OULL 0400				35	4.00		2.03	کیر	سسر	ستر	36	ہاٍ	ستير	~~~	SPACE GEN AUX PNL TGPLA MTS
CUH-C120		15 A		37	1.00	1.00		0.00	0.00		38	3			GEN AUX PNL TGPLA MTS
				39 41		1.00	1.00		0.00	0.00	40 42				
-			1	41		A		 В		0.00	42				<u></u>
	PHASE S	URT∩¹	ΓΔΙ	(k\/A\		A 6 kVA		6 kVA	34.76						
	PHASE SUE			` '		5 A		5 A	12						
		• .,-	_ (,-		12		12	<i></i> •	1 '-						
LOAD CLAS	SIFICATION	СО	NN	ECTE) (KVA	A)		DEM	IAND F	ACTO	R		DEM	AND (KVA	()
	POWER			7.68 k\					1009					.68 kVA	
	LIGHTING MOTOR			0.00 kV 6.60 k\			400	0/ I A D	1009		OTHER			.00 kVA .18 kVA	
R	ECEPTACLE			0.60 KV							6 OTHER			.18 KVA .00 kVA	\dashv
	HEATING			0.00 kV			1007		1009		· • · · · · ·	. `		.00 kVA	
	OTAL LOAD OTAL AMPS			125 A	VA				•				10	8.86 kVA 131 A	

RTU-1 - SUPPLY FAN ARRAY 80 A 3 1 12.20 2.66 2 3 20 A RTU-1 - RELIEF FAN AFFIN AFFI		SWBD M2 kA	ROM CCR	LOCATI FED FR SC LE FAUL		/AILA	- O A'	JLATEI	CALCI		WIRE	3 e	480 I SE Surface Type 1	PHA	TAGE 3 NTING SURE	OUI	М	<u> </u>	250 A	MAIN TYPE _ MAIN RATING _ BUS RATING _
DESCRIPTION BRKR NOTES AMP POLES NO								VA	SIDE. k	IGHT S	R	′ A	DE. kV	FT S	LI					REMARKS:
	N	DESCRIPTION			,	AMP,	,	СКТ							СКТ	•,	AMP			DESCRIPTION
	RAY	RTU-1 - RELIEF FAN ARRAY	R		Α	20 A	3	2			2.66			12.20	1	3	80 A		′	RTU-1 - SUPPLY FAN ARRAY
RTU-1 REHEAT		-						4		2.66			12.20		3					-
		-						6	2.66			12.20			5					-
FCU-2013A - SHELL #2013A		HUMIDIFIER - DOAS-1	Н		Α	15 A	3	8			0.73			10.33	7	3	50 A			RTU-1 REHEAT
FCU-2013A - SHELL #2013A 15 A 3 13 2.03 1.67 14 3 15 A AT-2001/02/03/04 - OPE		-											10.33		9					-
FCU-2013A - SHELL #2013A 15 A 3 13 2.03 1.67 14 3 15 A AT-2001/02/03/04 - OPE	~~~	$\sim\sim\sim\sim$	\sim	~~~	$\overline{}$	~~	へ	ᡝᢪᡪ	۰۲3۰	~~	~ ~	10.33			11					-
FCU-2014 - NOC #2014		AT-2001/02/03/04 - OPEN OFF			Α	15 A	- 1				1.67			2.03	13	3	15 A			CU-2013A - SHELL #2013A
FCU-2014 - NOC #2014		-					T	16		1.67		(2.03		15					-
		-					-	18	1.67		-	2.03			17					-
23		AT-C110 - STAIR #1	Α		Α	15 A	3	20			2.00			0.31	19	3	15 A			CU-2014 - NOC #2014
FCU-2016A - SHELL #2016A		-						22		2.00	Ł .		0.31		21					-
27		-					T	24	2.00			0.31			23					-
		AT-C200/2009/2010	Α		Α	20 A	3	26			2.50	(2.03	25	3	15 A			CU-2016A - SHELL #2016A
OH BUS (480/277V) - LAB #2011 BL 100 A 3 31 0.00 33 0.00 35 0.00 T-1NPHTB (415/240V) - LAB #2011 BL 125 A 3 37 0.00 39 0.00 T-1 NPHTB (415/240V) - LAB #2011 BL 125 A 3 37 0.00 T-1 NPHTB (415/240V) - LAB #2011 T-1 NPHTB		-						28		2.50			2.03		27					-
		-						30	2.50)	2.03			29					-
	₹	AT-C203 - LEVEL 2 CORR	Α		Α	15 A	3	32			0.83			0.00	31	3	100 A	BL	011	OH BUS (480/277V) - LAB #201
T-1NPHTB (415/240V) - LAB #2011 BL 125 A 3 37 0.00 1.17 38 3 15 A AT-2012 - RM #2011 & 2		-						34		0.83			0.00		33					-
39		-						36	0.83			0.00			35					-
PHASE SUBTOTAL (kVA) PHASE SUBTOTAL (AMPS) Converted (kVA) 38.46 kVA 38	112	AT-2012 - RM #2011 & 2012	A		Α	15 A	3	38			1.17			0.00	37	3	125 A	BL	‡ 2011	-1NPHTB (415/240V) - LAB #2
A B 38.46 kVA 40.96 kVA		<u> </u>						40		1.17	}		0.00		39					<u> </u>
Name		-		<u> </u>				42	1.17			0.00			41					
LOAD CLASSIFICATION CONNECTED (KVA) DEMAND FACTOR DEMAND (KVA)								~~	,		300	E	1							
LOAD CLASSIFICATION CONNECTED (KVA) DEMAND FACTOR DEMAND (KVA) POWER LIGHTING MOTOR MOTOR RECEPTACLE 70.80 kVA 100% 70.80 kVA 100% MOTOR RECEPTACLE 125% LARGEST, 100% OTHER 53.73 kVA 100% FIRST 10KVA, 50% OTHER 0.00 kVA									8 kVA	38.46	6 kVA	38.46	kVA		` ′					
POWER LIGHTING 70.80 kVA 100% 70.80 kVA LIGHTING MOTOR 0.00 kVA 100% 0.00 kVA MOTOR RECEPTACLE 44.58 kVA 125% LARGEST, 100% OTHER 53.73 kVA RECEPTACLE 0.00 kVA 100% FIRST 10KVA, 50% OTHER 0.00 kVA									9 A	13	9 A	139	9 A	13	MPS)	L (A	BTOTA	HASE SUE	PH	
POWER 70.80 kVA 100% 70.80 kVA LIGHTING 0.00 kVA 100% 0.00 kVA MOTOR 44.58 kVA 125% LARGEST, 100% OTHER 53.73 kVA RECEPTACLE 0.00 kVA 100% FIRST 10KVA, 50% OTHER 0.00 kVA																				
LIGHTING 0.00 kVA 100% 0.00 kVA MOTOR 44.58 kVA 125% LARGEST, 100% OTHER 53.73 kVA RECEPTACLE 0.00 kVA 100% FIRST 10KVA, 50% OTHER 0.00 kVA				•		_		R			DEM)	•			CO			LOAD
MOTOR 44.58 kVA 125% LARGEST, 100% OTHER 53.73 kVA RECEPTACLE 0.00 kVA 100% FIRST 10KVA, 50% OTHER 0.00 kVA		_																		
RECEPTACLE 0.00 kVA 100% FIRST 10KVA, 50% OTHER 0.00 kVA		4						OTUE			0/ ^ 🗅	105						_		
		+																		
		+						, O I I I L			, , ,,,,	10070								
TOTAL LOAD 115.38 kVA 124.53 kVA TOTAL AMPS 139 A 150 A		<u> </u>		4.53 kVA	124									/A	5.38 k\	11		L LOAD	TOTA	



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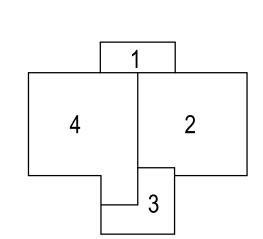
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DUNCAN COKER ASSOCIATES, P.C.
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TUSCALOOSA, AL 35406
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300 20TH STREET NORTH, SUITE 100

BIRMINGHAM, AL 35203 205-909-6040 ATTN: ANDREW MARLIN LANDSCAPE ARCHITECT JOHNSON AND COMPANY 2413 2ND AVENUE SOUTH BIRMINGHAM, AL 35233 205-324-4447

ATTN: WILLIAM JOHNSON



N**-**

REV DATE DESCRIPTION
1 09-20-2024 ADDENDUM 5
2 12-19-2024 ASI #6

PHASE

CONFORMING SET

SSUED FOR

ASI #6

ISSUED BY PROJECT NO. 4014

B

SHEET TITLE

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