



Department of Building & Grounds
Architectural Services Division

City of Baton Rouge
Parish of East Baton Rouge

P.O. Box 1471
Baton Rouge, Louisiana 70821
225 389-4694 Voice
225 389-4704 Fax

ADDENDUM #3

September 23, 2024

TO ALL BIDDERS

PROJECT: BATON ROUGE POLICE DEPARTMENT TRAINING ACADEMY RENOVATIONS CITY PARISH PROJECT NO. 21-ASC-CP-1446

The following revisions shall be incorporated in and take precedence over any conflicting part of the original contract documents.

1. Bid opening is postponed to 2:00PM, Monday, September 30, 2024.
2. Delete Bid form. Add attached Bid form.
3. Clarification: Structure age is as follows: 1st – 4th Floors – 1993, 5th and 6th Floors – 1997.
4. Clarification: Project estimate of probable construction cost will be announced at the bid opening.
5. Specification Section 09 6513, "Resilient Base and Accessories", Section 2.2.A, delete "...where indicated on drawings." substitute "...at all transitions between flooring types, unless otherwise noted."
6. Specification Section 09 6566, "Resilient Athletic Flooring": add attached Section 09 6566, "Resilient Athletic Flooring".
7. Drawing Sheet A0.1, "Demolition Plan". Delete Sheet A0.1, "Demolition Plan", replace with the attached Sheet A0.1, "Demolition Plan".
8. Drawing Sheet A0.2, "Demolition Reflected Ceiling Plan". Add attached Sheet A0.2, "Demolition Reflected Ceiling Plan".
9. See attached Addendum prepared by Thompson Luke and Associates, LLC and dated September 19, 2024. (18 pages).

The following revisions shall be incorporated in and take precedence over any conflicting part of the original contract documents.

TOTAL PAGES27 (INCLUDING THIS PAGE)

FAILURE TO INDICATE RECEIPT OF THIS ADDENDUM ON BID FORM MAY BE CAUSE FOR THE BID TO BE REJECTED

Rob Gray, AIA, LEED AP BD+C, Interim Chief Architect
Architectural Services Division
1100 Laurel Street, Rm. 227
Baton Rouge, LA 70802

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: City of Baton Rouge
Parish of East Baton Rouge
Purchasing Division Room 826
City Hall 222 St Louis St
Baton Rouge, LA 70802

BID FOR: Baton Rouge Police Department Training
Academy Renovations
9000 Airline Hwy.
Baton Rouge, LA 70815

City-Parish Project No. 21-ASC-CP-1446

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: **Department of Buildings & Grounds, Architectural Services Division** and dated: **July 5, 2024**.

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** *(Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging)*

_____ *

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid"

* but not alternates) the sum of:

_____ Dollars (\$_____)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1: *N/A*

_____ Dollars (\$_____)

Alternate No. 2: *N/A*

_____ Dollars (\$_____)

Alternate No. 3: *N/A*

_____ Dollars (\$_____)

NAME OF BIDDER: _____

ADDRESS OF BIDDER: _____

LOUISIANA CONTRACTOR'S LICENSE NUMBER: _____

NAME OF AUTHORIZED SIGNATORY OF BIDDER: _____

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: _____

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: _____

DATE: _____

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** **A CORPORATE RESOLUTION OR WRITTEN EVIDENCE** of the authority of the person signing the bid for the public work as prescribed by LA R.S. 38:2212(B)(5).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218(A) is attached to and made a part of this bid.

SECTION 09 6566 - RESILIENT ATHLETIC SURFACING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Recycled rubber resilient floor tile.

1.2 RELATED SECTIONS

- A. Section 09 6513 Resilient Base and Accessories – for transitions between Resilient Athletic Surfacing and other flooring types

1.3 REFERENCES

- A. ASTM F 710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.
- B. ASTM F 2170 - Standard Test Method for Determining Relative Humidity In Concrete Floor Slabs Using In-Situ Probes.
- C. ACI 302.2R-06 Guideline for Concrete Slabs that Receive Moisture Sensitive Flooring Materials.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's promotional brochures, specifications and installation instructions.
- B. Samples:
 - 1. Samples: For each type of product indicated, in manufacturer's full size samples of each product color, texture, and pattern required.
- C. Maintenance data.
- D. Sample warranties: submit copies of manufacturer's and installer's warranties for review.

1.5 QUALITY ASSURANCE

- A. Qualifications:
 - 1. The installer of the indoor resilient multipurpose surfacing shall have a minimum of five (5) years experience in the field installing indoor resilient multipurpose surfacing and have worked on at least five (5) projects of similar size, type and complexity.
 - 2. Installer to submit the indoor resilient athletic surfacing manufacturer's or distributor's certification attesting that they are an approved installer of the indoor resilient multipurpose surfacing.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store resilient products and installation materials in clean and dry spaces protected from the weather, with ambient temperatures maintained between 65°F and 85°F. Store flooring material on a clean flat surface.

1.7 WARRANTY

- A. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents
 - 1. 3-Year Commercial Warranty for Manufacturing Defects: manufacturer's warranty commencing on Final Acceptance VCT is free from manufacturing defects and will not wear through.
- B. Installer's Warranty: Flooring contractor warrants the install of the floor systems to be covered against poor workmanship and faulty installation by a 2 (two) year written, limited warranty provided by the contractor performing the installation.

1.8 PROJECT CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer in spaces to receive floor tile.
- B. Until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer.
- C. Close spaces to traffic during floor tile installation.
- D. Close spaces to traffic for 48 hours after floor tile installation.
- E. Install resilient athletic surfacing after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Products: Homogenous rubber product manufactured from Vulcanized post-industrial rubber color chips (EPDM) and Vulcanized post-consumer tires, boned with polyurethane binder:
 - 1. Manufacturers:
 - 2. Basis of Design: ACCER Flooring JV Elite
 - 3. Tarkett Sports Dropzone Impact
 - 4. Flexco Prime Sports Recycled Rubber Flooring
- B. Wear Surface Material: Virgin Rubber.
- C. Base Layer Material: Blended Rubber
- D. Finish: Fine Granule Structure.
- E. Weight: 12.6 lbs per tile

- F. Thickness: 3/8 in./10 mm
- G. Size: 36 in. x 36 in.
- H. Colors and Patterns: As selected from manufacturer's full range of colors.
 - 1. 10% chip content
- I. Joint type: Interlocking
- J. Physical Properties:
 - 1. Elongation (ASTM D412): 250%
 - 2. Tensile Strength (ASTM D412): 493 psi
 - 3. Shore Hardness (Shore A) (ASTM D2240): 70±5 (Wear Layer)
 - 4. Coefficient of Friction (ASTM D1894): >0.8 Acclimation
 - 5. Abrasion Resistance: (H-18 Wheels, 500g, 1,000 cycles) (ASTM D3389): 0.37g
 - 6. Chemical Resistance (ASTM F925): Compliant
 - 7. Static Load Limit (ASTM F970): ≤0.003 (250 psi/24 hours)
 - 8. Tear Resistance (ASTM D624): Passed
 - 9. Tear Abrasion (ASTM D501): Passed
 - 10. Resistance to Heat (ASTM F1514): Passed
 - 11. Bonded Crumb Rubber (ASTM F3041): Type I & II, Class A, B, C & D
 - 12. Flammability (ASTM E648 Critical Radiant Flux): Class 1 (≥ 0.45 W/cm²)
 - 13. Smoke Density (Non-Flaming) (ASTM E662): Passed, ≤450
 - 14. Flexibility (ASTM F137): Passed
 - 15. Dimensional Stability (ASTM F2199): Passed
 - 16. Impact Sound Transmission (ASTM E4920): 57 IIC

2.2 INSTALLATION MATERIALS

- A. Floor Filler: Cement based leveling compound.
 - 1. Mapei Planipatch, Planipatch-Plus
 - 2. Prior Approved Equal
- B. Adhesives: Manufacturer's recommended 2-part, solvent-free urethane adhesive.
- C. Rubber Transitions – provide at all flooring transitions from resilient athletic surfacing to other flooring unless otherwise noted.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Site Verification of Conditions: Confirm substrate conditions are acceptable for product installation in accordance with manufacturer's instructions.
- B. Material Inspection: In accordance with manufacturer's installing requirements, visually inspect materials prior to installing. Material with visual defects shall not be installed.

3.2 PREPARATION

- A. Adjacent Surfaces Protection: Protect adjacent work areas and finish surfaces from damage while installing.

- A. Substrate Preparation: Prepare substrate to be free of paint, old adhesive, sealers, coatings, finishes, dirt, film-forming curing compounds, or other substances which may affect the adhesion of floor covering to the substrate
- B. Concrete Substrates: Prepare according to Manufacturer's installation manual.
 - 1. Concrete Substrate: Reference Standard ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring. If the following test results exceed the floor covering manufacturer's limits, installing shall not commence until results conform to limits.
 - 2. Perform following tests to determine slab vapor emission and relative humidity:
 - a. Concrete Moisture Test: Per ASTM F1869 Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
 - 1) One test should be conducted for every 1000 sqft of flooring and the results not exceed 3 lbs per 1000 sqft in 24 hours
 - 2) If test results exceed limitations or if hydrostatic pressure exists, the installation must not proceed until the problem has been corrected or an approved vapor barrier underlayment is installed
 - b. Concrete Moisture Test: Per ASTM F2170 Determining Relative Humidity in Concrete Floor Slabs using in situ Probes
 - c. Concrete pH Test: Perform pH tests on concrete regardless of its age or grade level or history of use. Readings below 7.0 and above 10.0 can adversely affect resilient flooring or adhesives, or both.

3.3 INSTALLATION

- A. Install units in compliance with manufacturer's requirements.
- B. Provide ventilation to installation area during installation and for minimum 72 hours after completion of work.
- C. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
 - 1. Lay tiles square with room axis to match existing.
- D. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
- E. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door openings.

3.4 CLEANING AND PROTECTION

- A. Install units in compliance with manufacturer's requirements.
- B. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- C. Avoid foot traffic for 24 hour after installation and heavy traffic, rolling loads, etc. for 72 hours.
- D. Cover floor tile until final inspection.

END OF SECTION 09 6566



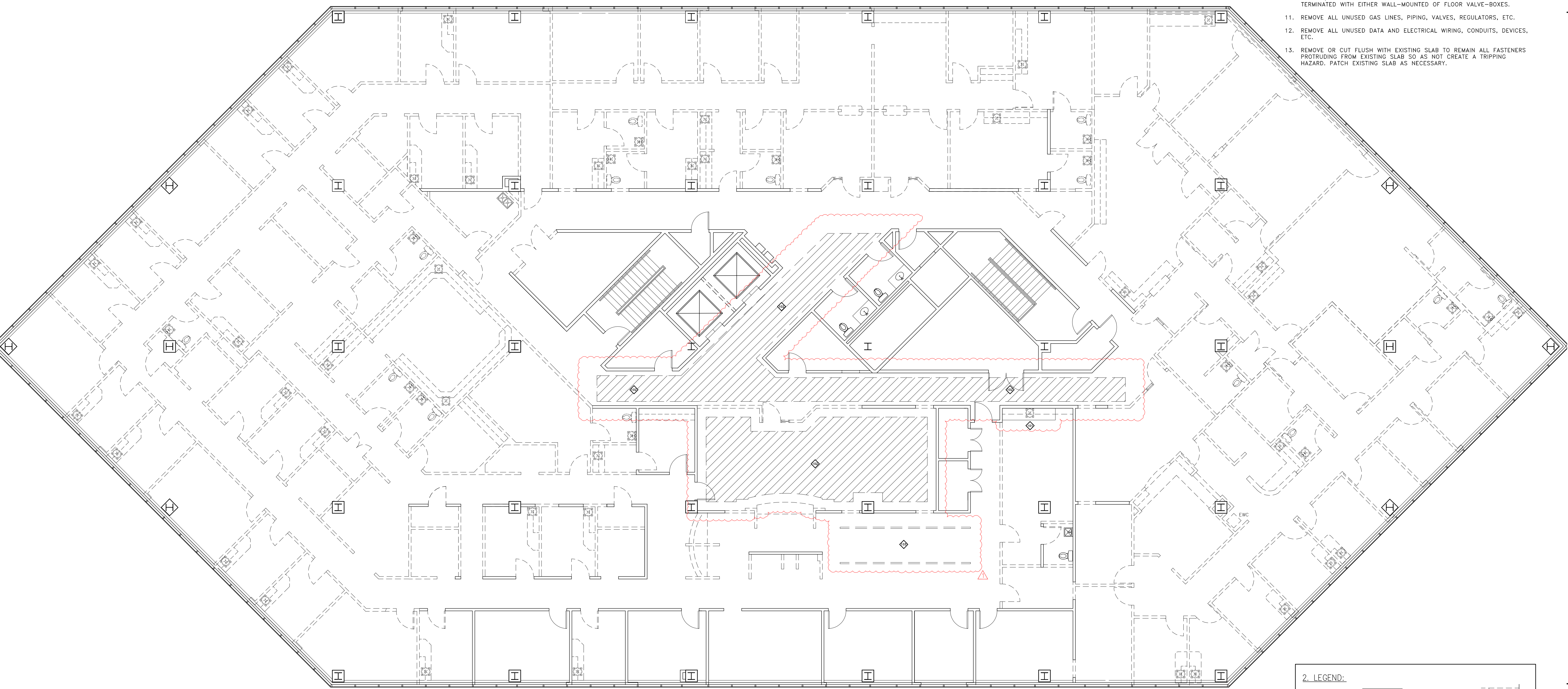
SEAL:

3 DEMOLITION NOTES / SCOPE:

1. CONTRACTOR SHALL VERIFY IN FIELD ALL EXISTING CONDITIONS PRIOR TO DEMOLITION. IF CONDITIONS ARE NOT AS INDICATED ON THE DRAWINGS OR NOTES, NOTIFY THE ARCHITECT.
2. CONTRACTOR SHALL VERIFY ALL EXISTING STRUCTURAL CONDITIONS PRIOR TO REMOVAL OF WALLS, BEAMS, COLUMNS, ETC.
3. DEMOLITION WORK SHALL INCLUDE ANY AND ALL WORK REQUIRED TO ACCOMPLISH THE WORK SHOWN OR REQUIRED BY THIS CONTRACT.
4. WHERE EXISTING BUILDING OR PORTION THEREOF IS DEMOLISHED OR MODIFIED, PREPARE AREA AS REQUIRED FOR NEW CONSTRUCTION.
5. PROTECT ALL ITEMS TO REMAIN FROM DAMAGE.
6. ALL CONNECTIONS TO EXISTING PLUMBING FIXTURES TO BE REMOVED SHALL BE CAPPED OFF WITHIN WALL, CEILING OR FLOOR AS REQUIRED.
7. ALL CONNECTIONS TO EXISTING ELECTRICAL FIXTURES OR EQUIPMENT TO BE REMOVED SHALL BE CAPPED OFF WITHIN NEAREST ELECTRICAL JUNCTION BOX AS REQUIRED. NOTE ANY CHANGE ON PANEL BOARD SCHEDULE.
8. REMOVE ALL EXISTING ABANDONED OR NON-USED ELECTRICAL DEVICES AND PATCH WALL TO MATCH EXISTING.
9. REMOVE EXISTING WALL-MOUNTED ACCESSORIES, SHELVING, BRACKETS, ETC.
10. REMOVE ALL UNUSED ABOVE SLAB PLUMBING LINES, FIXTURES, HANGERS, MOUNTS, ETC. ANY ACTIVE LINES RUNNING ABOVE SLAB ARE TO BE TERMINATED WITH EITHER WALL-MOUNTED OF FLOOR VALVE-BOXES.
11. REMOVE ALL UNUSED GAS LINES, PIPING, VALVES, REGULATORS, ETC.
12. REMOVE ALL UNUSED DATA AND ELECTRICAL WIRING, CONDUITS, DEVICES, ETC.
13. REMOVE OR CUT FLUSH WITH EXISTING SLAB TO REMAIN ALL FASTENERS PROTRUDING FROM EXISTING SLAB SO AS NOT CREATE A TRIPPING HAZARD. PATCH EXISTING SLAB AS NECESSARY.

4. DEMOLITION KEY NOTES:

- ◊ EXISTING MELLORUM TO REMAIN. REMOVE SINK AND KEEP EXISTING MELLORUM FOR NEW SINK INSTALLATION. SEE PLUMBING.
- ◊ REMOVE AND REPAIR OF EXISTING DISCARDED FURNITURE IN THIS AREA.
- ◊ REMOVE EXISTING SURFACE INCLUDING TRUCKS FLOOR OR BELOW SURFACE ELEVATION. PATCH AND LEVEL AS REQUIRED FOR NEW FLOORING INSTALLATION.
- ◊ EXISTING LABORATORY MECHANICAL GRILLS TO BE DEMOLISHED. SEE MECHANICAL.



2. LEGEND:

EXISTING WALL TO REMAIN	—————	EXISTING MELLORUM TO BE DEMOLISHED	⊠
EXISTING WALL TO BE DEMOLISHED	- - - - -	EXISTING DOOR TO REMAIN	⌢
EXISTING PLUMBING FIXTURE TO BE DEMOLISHED	⊗	EXISTING DOOR TO BE DEMOLISHED	⌢
EXISTING PLUMBING FIXTURE TO REMAIN	⊙	EXISTING COLUMN	I

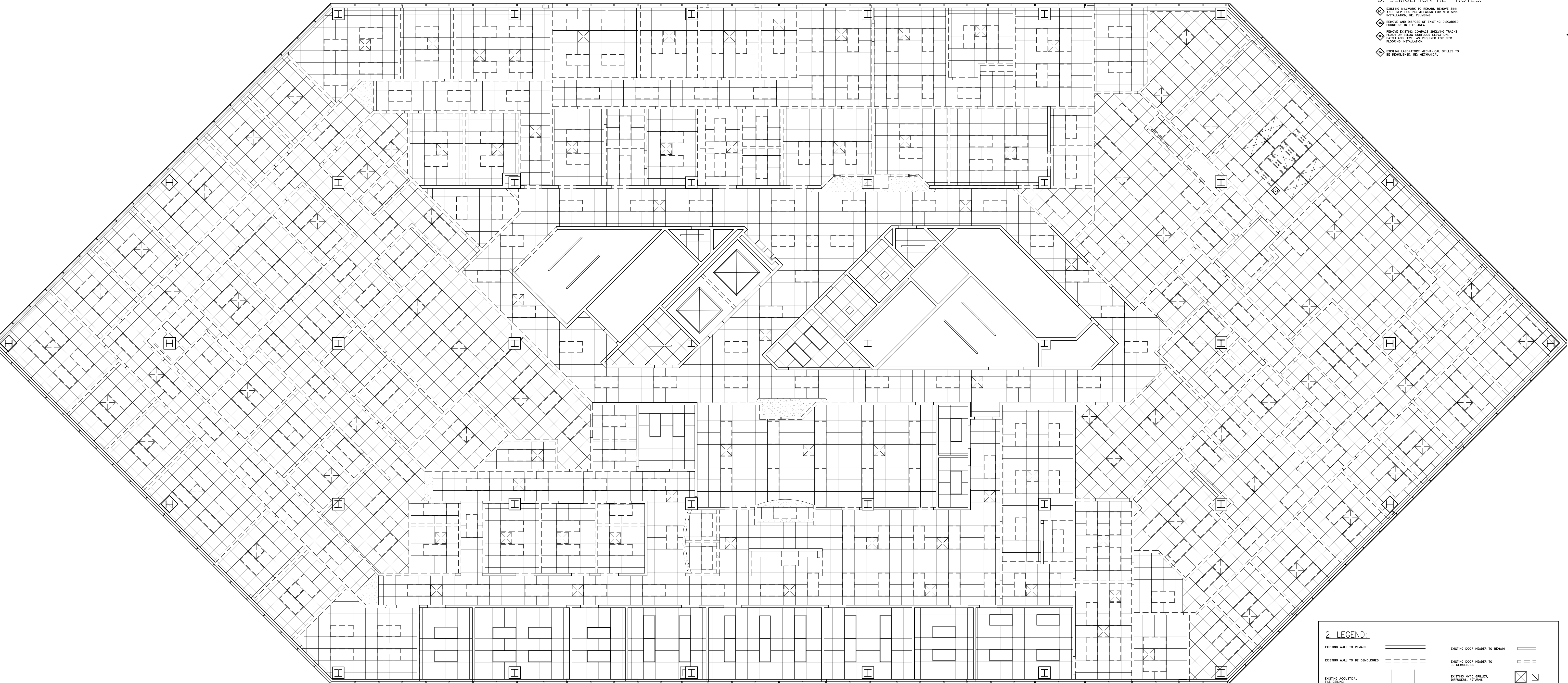
REVISION:	
September 23, 2024	
CHK: amj	DRAWN: rrg
FILE NAME:	A1-1.dwg
DATE:	23 Sept 2024
TITLE:	Demolition Plan



SEAL:

3. DEMOLITION KEY NOTES:

- ◊ EXISTING MILLWORK TO REMAIN. REMOVE SINK AND REEP. EXISTING MILLWORK FOR NEW SINK INSTALLATION. SEE FINISHING.
- ◊ REMOVE AND DISPOSE OF EXISTING DISCARDED FURNITURE IN THIS AREA.
- ◊ REMOVE EXISTING COMPACT SHELVING TRACKS. PATCH OR REPAIR SURFACES EXISTING. FLOOR AND LEVELS TO BE REQUIRED FOR NEW FLOORING INSTALLATION.
- ◊ EXISTING LABORATORY MECHANICAL GRILLES TO BE DEMOLISHED. SEE MECHANICAL.



2. LEGEND:

EXISTING WALL TO REMAIN	=====	EXISTING DOOR HEADER TO REMAIN	=====
EXISTING WALL TO BE DEMOLISHED	-----	EXISTING DOOR HEADER TO BE DEMOLISHED	-----
EXISTING ACoustICAL TILE CEILING		EXISTING HVAC GRILLES, DIFFUSERS, RETURN	⊠
EXISTING ACoustICAL TILE CEILING TO BE DEMOLISHED		EXISTING HVAC GRILLES, DIFFUSERS, RETURN TO BE DEMOLISHED	⊠
EXISTING GYP. BOARD SOFFIT/CEILING TO BE DEMOLISHED		EXISTING LIGHT FIXTURE	□
		EXISTING LIGHT FIXTURE TO BE DEMOLISHED	□
		EXISTING COLUMN	I

REVISION:	
1	September 23, 2024
CHK:	amj DRAWN: rrg
FILE NAME:	A1-1.dwg
DATE:	23 Sept 2024
TITLE:	Demolition RCP

Thompson Luke & Associates, L.L.C.

10705 Rieger Road, Suite 101
Baton Rouge, LA 70809
225.293.9474



9.19.24

BRPD Training Academy Renovations
9000 Airline Hwy, Baton Rouge, LA 70815
Engineer Project Number : 22-163

ADDENDUM #3

The following items shall be considered part of the Contract Documents for the above referenced project and shall take precedence over any conflicting statements contained therein. Revise all other notes, schedules, details, elevations, and sections as required.

Electrical Clarifications:

All new fire alarm devices shall be fed from the new Edwards Fire Alarm panel. All existing simplex panels and devices shall be fed from Edwards panels.

REQUEST FOR INFORMATION RESPONSES:

Electrical: RFI #1 Responses

1. Q.

Drawing E2.1/E2.2
Room to the right of 133 shows a poke through floor bx. Office 131, 108.
Drawing E0.0 TV symbol states to install conduit from floor box to TV wall box.
There is no TV wall box shown.
Please advise.

a. Refer to updated plans for more information.

2. Q.

Drawing E3.0
There are switches shown SV. These aren't shown in the Legend on E0.0
Please provide.

3.

a. Switches with the V subscript represents Vacancy switches.

4. Q.

Note in Specs 260/00-12 B-3 C for extra fixtures. Furninsh 2020 of each fixture. Minumum of (6) spares.
(6) spare fixtures for most of the fixtures is more fixtures than original quantity. Example C fixture is only showing (1) on the drawing, but we will be furnishing (6) more. This will be approximately 200 extra fixtures. Is this correct?

- a. Reduce quantity of minimum of (1) spare. Reduce specification requirement of 20% spares to 5%.

5. Q.

Drawing E3.0
MAT Room 206 at top of room there is a 3-way switch shown. There is no other 3-way switch to match
Should this be a ST instead? Please advise.

- a. Refer to updated plans for more information. 3 way switch removed from the project.

MECHANICAL ITEMS:

Drawings:

1. M1.0 Mechanical Demo Plan
 - a. Addition of Keynote #12.
2. M1.1 Mechanical Demo Roof Plan
 - a. Addition of entire sheet.
 - b. The demolition of existing rooftop equipment shall be added to the scope. Rooftop equipment noted on the plans shall be removed its entirety including the roof curb. The roof should be repaired to match existing. Refer to the architect for roof infill details.
3. M1.2 Mechanical Plan
 - a. Revised sheet number. Sheet number was previously M1.1.
 - b. Keynote #17 not used.
 - c. Addition of Keynotes #23,24,&25.
 - d. Revised VAV box layout & duct layout.
 - e. Revised hot water pipe sizes.
4. M1.3 Mechanical Roof Plan
 - a. Existing rooftop equipment will no longer be utilized.
5. M2.0 Mechanical Schedules & Details
 - a. Revised air terminal "F" size.

PLUMBING ITEMS:

Drawings:

1. P2.0 Plumbing Schedules
 - a. Revised make & model for plumbing fixture P-8.

ELECTRICAL ITEMS:

Drawings:

1. E1.1 ELECTRICAL POWER DEMO ROOFTOP PLAN
 - a. Addition of entire sheet.

2. E2.1 ELECTRICAL POWER PLAN- East
 - a. Added TV locations.

3. E2.2 ELECTRICAL POWER PLAN -WEST
 - a. Relocated mechanical equipment.
 - b. Added TV locations.
 - c. Added plug mold for auditorium.

4. E4.1 SCHEDULES
 - a. Added note to light fixture schedule to clarify that only one UL924 is required per circuit.
 - b. Updated TV breakers

PRIOR APPROVAL:

NOTE: Acceptance of a particular manufacturer does not excuse that particular manufacturer from meeting the plans and specification. Compliance with specifications is the responsibility of the prior approval manufacturer.

<u>Product</u>	<u>Model</u>
Terminal Units	Johnson Control Terminal Units
Mini Split System	Johnson Control Mini Split
Plumbing Fixtures	Sloan, Centoco, Moen, Watts, Oatey, Delaney, Speakman
Water Cooler	Murdock
Water Heater	State Water Heaters
Mixing Valve	Powers, Leonard, Acorn
Expansion Tank	Elbi
Industrial Lighting Product	VPAN24
Industrial Lighting Product	VPAN22
Prescolite	lbrp-m-ls
Forum Lighting	SAD 34
Columbia Lighting	MPS 4
Forum Lighting	SAR-G-36
Industrial Lighting Product	VPAN14
Industrial Lighting Product	VPAN14
COMPASS	CEL
LUTRON	VIVE WIRELESS CONTROLS
DAY BRITE	2SBP3550L8CS
LIGHTOLIER	6RN/P6RDL15935MCLZ10U
LEDALITE	2901L93540QN16DE1NNN*
DAY BRITE	FSS455L835
LEDALITE	2901L93540QN16DE1G
FINELITE	HP-6-R-D-8'-TL1200
DAY BRITE	1SBP3040L8CS
LEDALITE	2901L93540Q10DE1G
CHLORIDE	46L*FACES*R
WATTSTOPPER	LMCP24-10V 115/277-24HD
WATTSTOPPER	LENC24S

Addendum #1- BRPD Training Academy Renovations

9/18/24

Page 5

WATTSTOPPER	BF-SDS10V-AST
WATTSTOPPER	BZ-150
WATTSTOPPER	COM-POE-SWITCH
WATTSTOPPER	DSW-301-COLOR
WATTSTOPPER	DT-305
WATTSTOPPER	DT-355
WATTSTOPPER	ELCU-200
WATTSTOPPER	LMCT-100-2
WATTSTOPPER	LMDC-100
WATTSTOPPER	LMDI-100-U
WATTSTOPPER	LMLS-500
WATTSTOPPER	LMPC-100
WATTSTOPPER	LMRC-111
WATTSTOPPER	LMRC-211
WATTSTOPPER	LMRC-212
WATTSTOPPER	LMRC-213
WATTSTOPPER	LMSW-210-W
WATTSTOPPER	LMSW-211-W
WATTSTOPPER	LVSW-101-COLOR
WATTSTOPPER	RTI-KX4
WATTSTOPPER	10-210560-15
WATTSTOPPER	1RTI40-210937-26
WATTSTOPPER	LS-E12

If you have any questions, please contact our office.

Thompson Luke & Associates, L.L.C.
A Professional Engineering Company

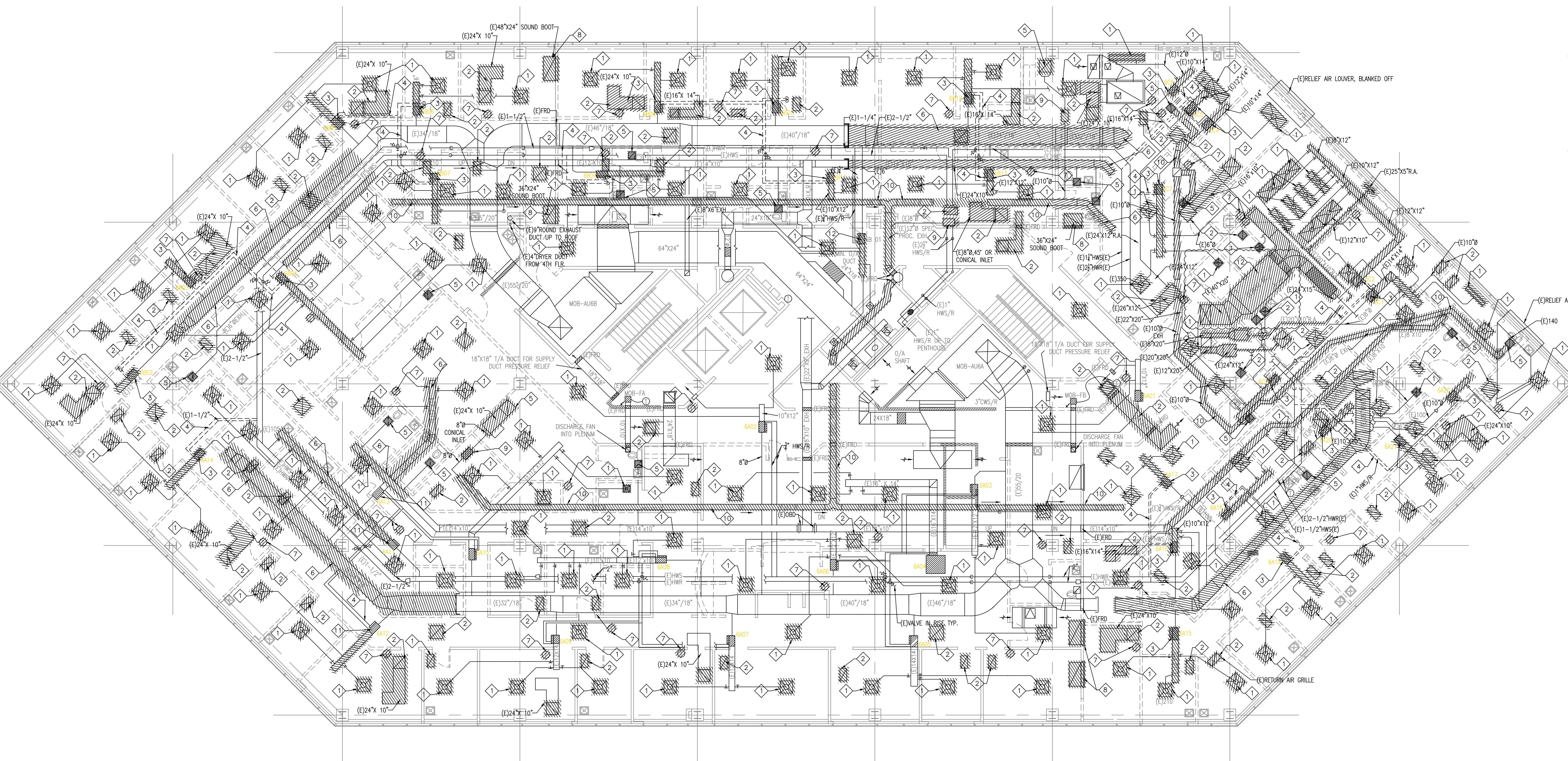
Thompson Luke & Associates, L.L.C

10705 Rieger Road, Suite 101 | Baton Rouge, LA 70809 | P: 225.293.9474



SEAL:

BRPD Training Academy Renovations
9000 Airline Hwy., Baton Rouge, LA 70815



MECHANICAL DEMOLITION NOTES:

- 1 CONTRACTOR SHALL DEMO EXISTING HATCHED LAY-IN DIFFUSER AND ASSOCIATED FLEX DUCT.
- 2 CONTRACTOR SHALL DEMO HATCHED RETURN GRILLE/TRANSFER GRILLE AND ANY ASSOCIATED DUCTWORK.
- 3 CONTRACTOR SHALL DEMO EXISTING HATCHED VAV BOX, HOT WATER REHEAT COIL & ASSOCIATED INLET & OUTLET DUCTWORK AND CONTROLS.
- 4 CONTRACTOR SHALL DEMO EXISTING DASHED HWS & HWR PIPING BACK TO HWS/HWR LOOP. PROVIDE SHUT OFF VALVE AT HWS/HWR LOOP AND CAP.
- 5 CONTRACTOR SHALL DEMO HATCHED EXHAUST GRILLE.
- 6 CONTRACTOR SHALL DEMO HATCHED DUCTWORK SHOWN. CAP EXISTING DUCTWORK AS SHOWN AND INSULATE WITH 3" WRAP INSULATION.
- 7 CONTRACTOR SHALL DEMO EXISTING THERMOSTAT AND ALL ASSOCIATED CONTROL WIRING.
- 8 CONTRACTOR SHALL DEMO EXISTING SOUND BOOT AND ANY ASSOCIATED DUCTWORK.
- 9 CONTRACTOR SHALL DEMO EXISTING EXHAUST CONTROL VALVE & ALL ASSOCIATED EXHAUST DUCTWORK.
- 10 CONTRACTOR SHALL DEMO EXISTING HATCHED EXHAUST DUCTWORK.
- 11 CONTRACTOR SHALL TEMPORARILY REMOVE VAV BOX AND RE-INSTALL IN NEW LOCATION SHOWN ON MECHANICAL SHEET M1.1. TEMPORARILY REMOVE ASSOCIATED MEDIUM PRESSURE DUCT, ALL LOW PRESSURE DUCT, AND 3" HWS/HWR. PREPARE FOR NEW DUCTWORK AND HEATING HOT WATER PIPING.
- 12 CONTRACTOR SHALL DEMO EXISTING AIR HANDLING UNIT IN MEZZANINE SPACE. CONTRACTOR SHALL DEMO ALL DUCTWORK, CONDENSATE DRAIN, DRAIN PAN, ETC ASSOCIATED WITH EXISTING AIR HANDLING UNIT.

1 Mechanical Demo Plan
Scale: 1/8" = 1'-0"

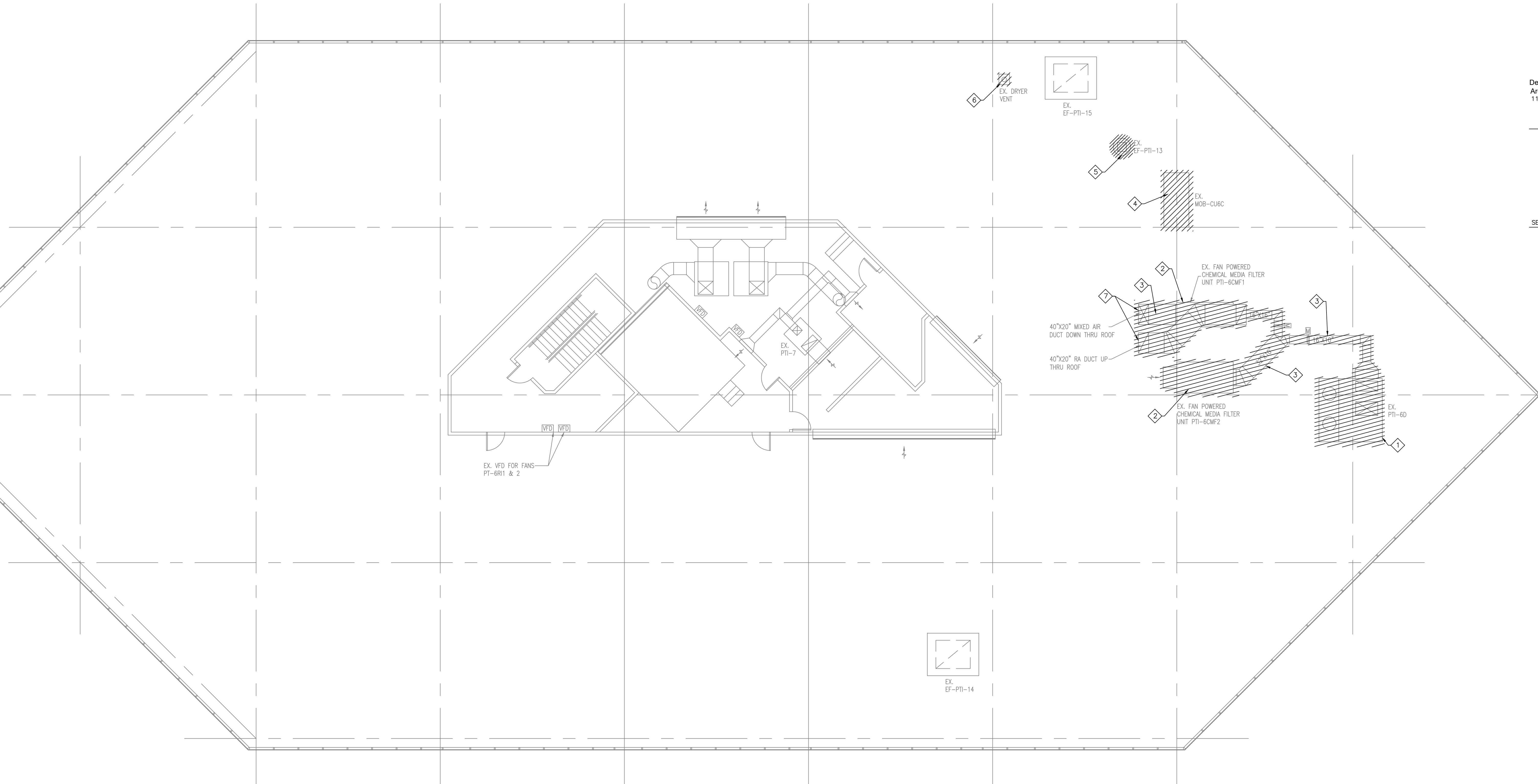
REVISION:	
1	ADDENDUM #3
CHK: FST	DRAWN: SMW
FILE NAME:	
DATE:	21 Feb 2024
TITLE:	Mechanical Demo Plan

M1.0



SEAL:

BRPD Training Academy Renovations
9000 Airline Hwy., Baton Rouge, LA 70815



MECHANICAL DEMOLITION NOTES:

- ① CONTRACTOR SHALL DEMO EXISTING PACKAGED ROOFTOP UNIT AND ALL ASSOCIATED DUCTWORK, ROOF CURB, CONDENSATE DRAIN LINES, POWER, ETC. CONTRACTOR SHALL REMOVE THE ROOF CURB IN ITS ENTIRETY AND PATCH AND REPAIR ROOF OPENING. ROOF REPAIR MUST BE COMPLETED BY A LICENSED ROOF CONTRACTOR. ROOF CONTRACTOR SHALL MAINTAIN ANY EXISTING ROOF WARRANTIES.
- ② CONTRACTOR SHALL DEMO EXISTING FAN POWERED CHEMICAL MEDIA FILTER UNIT AND ALL ASSOCIATED FILTERS, DUCTWORK, MOTORIZED DAMPERS, DUCT SUPPORTS, ELECTRICAL, ETC. CONTRACTOR SHALL PATCH/REPAIR ROOF WHERE EXISTING DUCT SUPPORTS PENETRATE ROOF.
- ③ CONTRACTOR SHALL DEMO EXISTING ROOF MOUNTED DUCTWORK AND ALL ASSOCIATED DUCT SUPPORTS. CONTRACTOR SHALL PATCH/REPAIR ROOF WHERE EXISTING DUCT SUPPORTS PENETRATE ROOF.
- ④ CONTRACTOR SHALL DEMO EXISTING CONDENSING UNIT AND ALL ASSOCIATED ROOF CURB, REFRIGERANT LINES, POWER, ETC. CONTRACTOR SHALL REMOVE THE ROOF CURB IN ITS ENTIRETY AND PATCH AND REPAIR ROOF OPENING. ROOF REPAIR MUST BE COMPLETED BY A LICENSED ROOF CONTRACTOR. ROOF CONTRACTOR SHALL MAINTAIN ANY EXISTING ROOF WARRANTIES.
- ⑤ CONTRACTOR SHALL DEMO EXISTING ROOF MOUNTED EXHAUST FAN AND ALL ASSOCIATED ROOF CURB, DUCTWORK, POWER, ETC. CONTRACTOR SHALL REMOVE THE ROOF CURB IN ITS ENTIRETY AND PATCH AND REPAIR ROOF OPENING. ROOF REPAIR MUST BE COMPLETED BY A LICENSED ROOF CONTRACTOR. ROOF CONTRACTOR SHALL MAINTAIN ANY EXISTING ROOF WARRANTIES.
- ⑥ CONTRACTOR SHALL DEMO EXISTING ROOF MOUNTED DRYER VENT AND ALL ASSOCIATED ROOF CURB AND DUCTWORK. CONTRACTOR SHALL REMOVE THE ROOF CURB IN ITS ENTIRETY AND PATCH AND REPAIR ROOF OPENING. ROOF REPAIR MUST BE COMPLETED BY A LICENSED ROOF CONTRACTOR. ROOF CONTRACTOR SHALL MAINTAIN ANY EXISTING ROOF WARRANTIES.
- ⑦ CONTRACTOR SHALL DEMO EXISTING DUCT PENETRATION THROUGH ROOF. CONTRACTOR SHALL REMOVE THE ROOF CURB IN ITS ENTIRETY AND PATCH AND REPAIR ROOF OPENING. ROOF REPAIR MUST BE COMPLETED BY A LICENSED ROOF CONTRACTOR. ROOF CONTRACTOR SHALL MAINTAIN ANY EXISTING ROOF WARRANTIES.

REVISION:
1 ADDENDUM #3

CHK: FST DRAWN: SMW
FILE NAME:

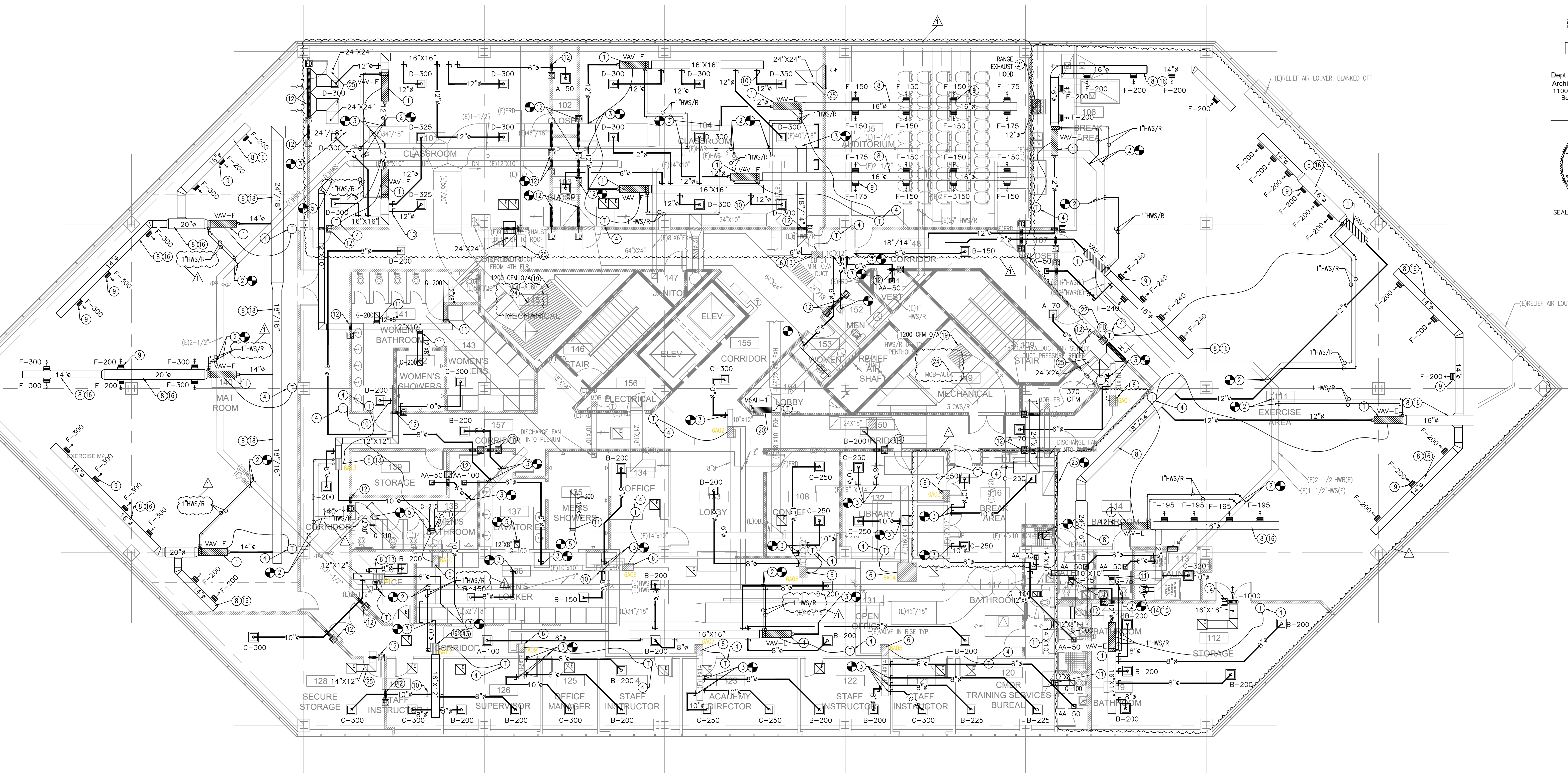
DATE: 21 Feb 2024
TITLE:

Mechanical Plan



SEAL:

BRPD Training Academy Renovations
9000 Airline Hwy., Baton Rouge, LA 70815



MECHANICAL NOTES:

- 1 NEW VAV BOX WITH HOT WATER REHEAT COIL. PROVIDE NEW DDC CONTROLS. ROUTE 3" HEATING HOT WATER LINES TO REHEAT COIL. PROVIDE 2 WAY MODULATING VALVE, BALANCING VALVES AND ISOLATION VALVES. REFER TO VAV SCHEDULE AND DETAIL ON MECHANICAL SHEET M2.0.
- 2 CONNECT NEW HEATING HOT WATER PIPING TO EXISTING VIA HOT TAP. TRANSITION AS NECESSARY. INSULATE ALL NEW PIPING WITH 1-1/2" FOAMGLASS INSULATION AND WRAPPED IN PVC JACKET. LABEL ALL NEW PIPING EVERY 10 FEET.
- 3 CONNECT NEW SUPPLY DUCT TO EXISTING SUPPLY DUCT. TRANSITION AS NECESSARY. PROVIDE 3" FOIL FACE INSULATION AND SEAL AIR TIGHT.
- 4 NEW DDC THERMOSTAT MOUNTED 54" A.F.F. INTERLOCK WITH RESPECTIVE VAV UNIT AS SHOWN.
- 5 CONNECT NEW EXHAUST DUCT TO EXISTING EXHAUST DUCT. TRANSITION AS NECESSARY AND SEAL AIR TIGHT.
- 6 CONTRACTOR SHALL INSPECT AND REPAIR EXISTING VAV BOX AS NECESSARY. CLEAN REHEAT COILS, PROVIDE NEW DDC CONTROLS, REPAIR ACTUATOR, ETC. BALANCE NEW VAV UNIT TO CFM SHOWN ON PLANS.

- 7 NEW 40"x20" RETURN AIR DUCT OPEN TO ROOM. CONNECT RETURN AIR DUCT TO EXISTING. PROVIDE 1" INTERNAL LINER AND WIRE MESH AT RETURN AIR OPENING. COORDINATE EXACT COLOR WITH ARCHITECT.
- 8 PRIME & PAINT ALL EXISTING AND NEW EXPOSED DUCTWORK TO MATCH CEILING. COORDINATE EXACT COLOR WITH ARCHITECT.
- 9 EXPOSED SIDEWALL SUPPLY AIR GRILLE. PROVIDE FULL SIZE MANUAL VOLUME DAMPER, TYPICAL. REFER TO GRILLE SCHEDULE ON SHEET M2.0 FOR EXACT MAKE AND MODEL.
- 10 LOW LOSS TAP WITH MANUAL VOLUME DAMPER WITH STAND OFF BRACKET AND LOCKING QUADRANT, SAME SIZE AS DUCT, TYPICAL.
- 11 MANUAL VOLUME DAMPER, SAME SIZE OF DUCT SHOWN. TYPICAL.
- 12 INSTALL FIRE DAMPER, SAME SIZE AS DUCT SHOWN, IN RATED WALL. PROVIDE ACCESS PANEL. REFER TO ARCHITECTURAL FLOOR PLAN FOR EXACT FIRE RATINGS.
- 13 RELOCATE EXISTING VAV BOX TO NEW LOCATION SHOWN. PROVIDE NEW MEDIUM PRESSURE AND LOW PRESSURE DUCTWORK, NEW 3/4" HWS&HR LINES, AND THERMOSTAT. CONTRACTOR SHALL INSPECT AND REPAIR EXISTING VAV BOX AS NECESSARY. CLEAN REHEAT COILS, PROVIDE NEW DDC CONTROLS, REPAIR ACTUATOR, ETC. BALANCE NEW VAV UNIT TO CFM SHOWN ON PLANS.
- 14 8" DRYER DUCT UP TO ROOF VENT. PROVIDE GRAVITY 8" BACKDRIFT DAMPER AND GALVANIZED GOOSENECK ROOF VENT WITH ROOF CURB, FAMCO MODEL GNEK OR OR APPROVED EQUAL. MODIFY ROOF AND PATCH AS NECESSARY. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING ROOF WARRANTY.

- 15 PROVIDE 8" DRYER LENT TRAP IN VERTICAL PORTION OF DUCT. INSTALL DRYER LENT TRAP IN ACCESSIBLE LOCATION.
- 16 EXPOSED DOUBLE WALL SPIRAL DUCTWORK WITH 1" INSULATION, REFER TO PLAN FOR EXACT SIZE. PAINT AND PRIME DUCTWORK ACCORDING TO ARCHITECT. TYPICAL.
- 17 NOT USED.
- 18 EXPOSED DOUBLE WALL OVAL DUCTWORK WITH 1" INSULATION, REFER TO PLAN FOR EXACT SIZE. PAINT AND PRIME DUCTWORK ACCORDING TO ARCHITECT. DUCTWORK MUST BE INSTALLED ACCORDING TO SMACNA TYPICAL.
- 19 BALANCE AIR HANDLER OUTSIDE AIR TO CFM SHOWN ON PLANS.
- 20 NEW WALL MOUNTED MINI SPLIT AIR HANDLER, COOLING ONLY. REFER TO MINI SPLIT SCHEDULE ON SHEET M2.0 FOR MORE DETAILS. PROVIDE REMOTE THERMOSTAT. ROUTE INSULATED CONDENSATE DRAIN TO NEAREST PLUMBING VENT. ROUTE REFRIGERANT PIPING TO ROOF MOUNTED CONDENSING UNIT.
- 21 30" STAINLESS STEEL RANGE EXHAUST HOOD WITH FIRE SUPPRESSION SYSTEM AND ROOF MOUNTED EXHAUST FAN. RANGE HOOD SHALL BE DENLOR D1030-D-RF-NFPA, 5 AMPS, 120V/1PH/60 WITH ELECTRIC CONTROL MODULE AND VARIABLE SPEED INLINE FAN. PROVIDE EMERGENCY PULL STATION AS SHOWN ON PLANS. 12" DIAMETER EXHAUST DUCT SHALL BE ROUTED TO ROOF MOUNTED FAN, REFER TO MECHANICAL SHEET M1.2 FOR CONTINUATION.

- 22 EMERGENCY PUSH BUTTON INTERLOCKED WITH RANGE EXHAUST HOOD. INTERLOCK WITH HOOD'S FIRE SUPPRESSION SYSTEM.
- 23 REMOVE EXISTING SHEET METAL COVER OVER EXISTING SOUND BOOT. PROVIDE NEW 60"x24" RETURN AIR GRILLE AND CONNECT TO EXISTING SOUND BOOT. TRANSITION & EXTEND AS NECESSARY AND SEAL DUCT CONNECTION AIR TIGHT.
- 24 CONTRACTOR SHALL CLEAN, SANITIZE, & REPAIR EXISTING AIR HANDLING UNIT AS NECESSARY. THIS INCLUDES CLEANING COILS, REPLACING AIR FILTERS, FLUSHING COILS, REPLACING BELTS, CLEANING & SANITIZING ENTIRE CABINET. CONTRACTOR SHALL REPLACE EXISTING CONTROLS WITH NEW DDC CONTROLS SYSTEM.
- 25 PROVIDE 1" INTERNAL INSULATION IN RETURN/TRANSFER DUCT(SIZE SHOWN ON PLANS). DIMENSIONS SHOWN ARE INTERNALLY LINED.

GENERAL NOTES:

- 1. PROVIDE FIRE DAMPER & ACCESS PANEL AT ALL RATED WALL DUCT PENETRATIONS.
- 2. FIRE CAULK AROUND ALL DOMESTIC AND HEATING HOT WATER PENETRATIONS THROUGH RATED WALL ASSEMBLY.
- 3. ALL EXPOSED DUCTWORK SHALL BE DOUBLE WALL, GALVANIZED SHEET METAL WITH 1" INSULATION. PRIME AND PAINT DUCTWORK ACCORDING TO ARCHITECT.
- 4. ALL EXPOSED HEATING HOT WATER PIPING SHALL BE STRIPPED OF EXISTING INSULATION AND REPLACED WITH 1 1/2" FOAM GLASS INSULATION AND WRAPPED IN PVC JACKET. PROVIDE LABEL AND DIRECTIONAL ARROWS EVERY 10 FT. COORDINATE COLOR OF JACKET WITH ARCHITECT PRIOR TO CONSTRUCTION.
- 5. ALL EXISTING THERMOSTATS SHALL BE REPLACED WITH NEW DDC THERMOSTATS. INTERLOCK WITH EXISTING BMS SYSTEM.
- 6. ALL NEW THERMOSTATS SHALL BE DDC THERMOSTAT. INTERLOCK WITH EXISTING BMS SYSTEM.
- 7. PROVIDE TEST AND BALANCE REPORT ON ALL AIR HANDLING UNITS, VAV BOXES, REHEAT COILS, PACKAGED UNITS, EXHAUST FANS, SUPPLY AIR GRILLES, ETC.
- 8. CONTRACTOR SHALL HOT TAP EXISTING HEATING HOT WATER LINES TO ACCOMMODATE NEW HEATING HOT WATER LINES. INSTALLATION OF NEW HOT WATER LINES SHALL NOT INTERFERE WITH NORMAL OPERATION.
- 9. CONTRACTOR SHALL INSTALL NEW CONTROLS ALL AIR HANDLING UNITS, NEW AND EXISTING VAV BOXES, THERMOSTATS, EXHAUST FANS, ETC. PROVIDE A TURNKEY CONTROLS SYSTEM. INTERLOCK WITH EXISTING JOHNSON CONTROLS SYSTEM.

REVISION:	
1	ADDENDUM #3

CHK: FST DRAWN: SMW
FILE NAME:

DATE: 21 Feb 2024
TITLE:

Mechanical Plan

1 Mechanical Roof Demo Plan
Scale: 1/8" = 1'-0"

M1.2



SEAL:

BRPD Training Academy Renovations
9000 Airline Hwy., Baton Rouge, LA 70815

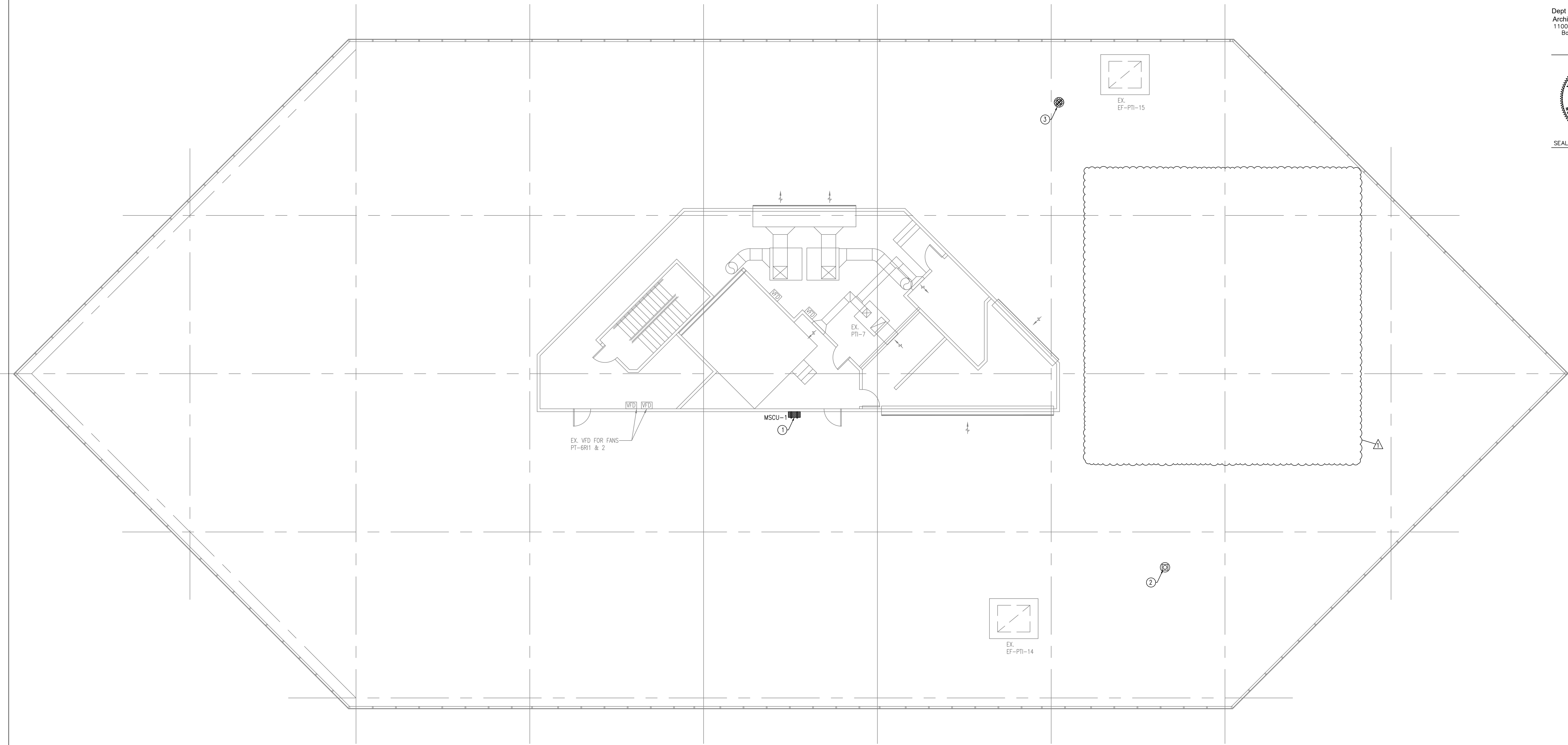
REVISION:
1 ADDENDUM #3

CHK: FST DRAWN: SMW
FILE NAME:

DATE: 21 Feb 2024
TITLE:

Mechanical Roof
Plan

M1.3



- MECHANICAL NOTES:**
- ① NEW WALL MOUNTED CONDENSING UNIT. REFER TO MINI SPLIT SCHEDULE ON SHEET M2.0 FOR MORE DETAILS. PROVIDE WALL MOUNT BRACKET.
 - ② 8" DRYER DUCT UP TO ROOF VENT. PROVIDE GRAVITY 8" BACKDRAFT DAMPER AND GALVANIZED GOOSENECK ROOF VENT WITH ROOF CURB, FAMCO MODEL GNBX OR APPROVED EQUAL. MODIFY ROOF AND PATCH AS NECESSARY. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING ROOF WARRANTY.
 - ③ ROOF MOUNTED RANGE HOOD FAN PROVIDED WITH RANGE EXHAUST HOOD ASSEMBLY. ROUTE 12" DIAMETER DUCT DOWN TO RANGE EXHAUST HOOD. REFER TO MECHANICAL SHEET M1.1. PROVIDE ROOF CURB. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ROOF AS NECESSARY. CONTRACTOR SHALL MAINTAIN ANY EXISTING ROOF WARRANTIES.



SEAL:

REVISION:
1 ADDENDUM #3

CHK: FST DRAWN: SMW
FILE NAME:

DATE: 21 Feb 2024
TITLE:

Mechanical
Schedule &
Details

TERMINAL UNIT W/HOT WATER REHEAT COIL SCHEDULE

BOX ID	CFM RANGE MIN/MAX	INLET SIZE	MAX P.D.	HEATING COIL			WATER TEMP IN	WATER TEMP OUT	WATER P.D.	MIN. # ROWS	PIPE SIZE	MANUFACTURER	NOTES
				CFM MIN	MBH HEATING	GPM							
E	900/1600	12"ø	.68"	1250	69	6.9	160°F	140°F	6'	2	1"	NAILOR 30RW, TITUS HWC-ESV, ENVIRO TEC SDR-WC	ALL
F	1600/2100	14"ø	.68"	1850	91	9.1	160°F	140°F	6'	2	1"	NAILOR 30RW, TITUS HWC-ESV, ENVIRO TEC SDR-WC	ALL

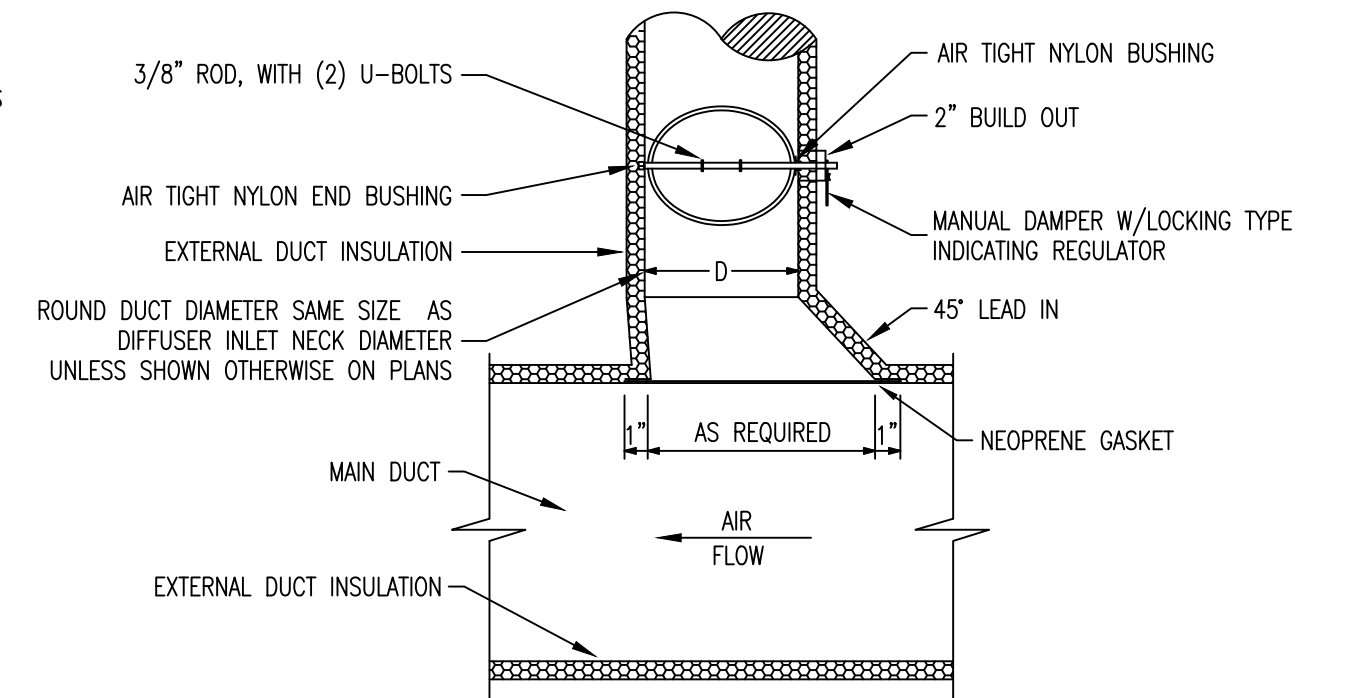
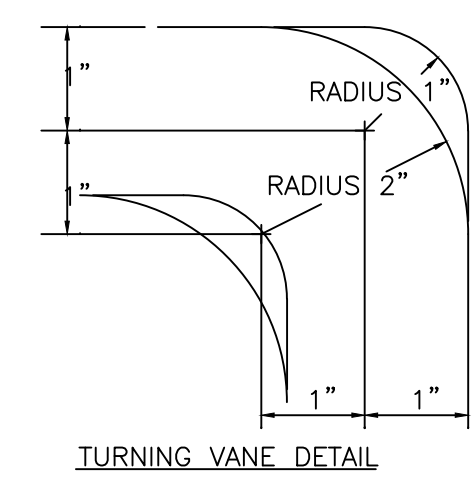
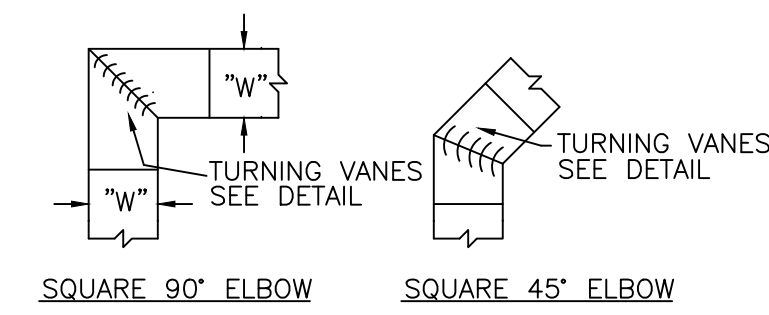
NOTES:

- UNIT MUST BE SINGLE POINT WITH 24 VAC CONTROL TRANSFORMER.
- CONTRACTOR SHALL FURNISH & INSTALL ALL NECESSARY TRANSITIONS BETWEEN TERMINAL BOX & SUPPLY DUCT.
- UNIT MUST HAVE BOTTOM MOUNT DIGITAL CONTROLS ENCLOSURE.
- PROVIDE INTEGRAL BACNET CAPABLE CONTROLLER ON BOX.

GRILLE SCHEDULE

SYM.	SUPPLY/RETURN	FACE SIZE	NECK SIZE	CFM SIZE	CONSTRUCTION MATERIAL	MANUFACTURER	MODEL NUMBER	REMARKS	NOTES
AA	SUPPLY	12"x12"	6"ø	0-150	ALUMINUM	PRICE/TITUS/NAIOLR	ASPD/OMNI-AA/UNI	12"x12" LAY-IN PANEL/SURFACE MOUNT PLAQUE FACED	1,2
A	SUPPLY	24"x24"	6"ø	0-150	ALUMINUM	PRICE/TITUS/NAIOLR	ASPD/OMNI-AA/UNI	24"x24" LAY-IN PANEL/SURFACE MOUNT PLAQUE FACED	1,2
B	SUPPLY	24"x24"	8"ø	150-220	ALUMINUM	PRICE/TITUS/NAIOLR	ASPD/OMNI-AA/UNI	24"x24" LAY-IN PANEL/SURFACE MOUNT PLAQUE FACED	1,2
C	SUPPLY	24"x24"	10"ø	220-320	ALUMINUM	PRICE/TITUS/NAIOLR	ASPD/OMNI-AA/UNI	24"x24" LAY-IN PANEL/SURFACE MOUNT PLAQUE FACED	1,2
D	SUPPLY	24"x24"	12"ø	320-600	ALUMINUM	PRICE/TITUS/NAIOLR	ASPD/OMNI-AA/UNI	24"x24" LAY-IN PANEL/SURFACE MOUNT PLAQUE FACED	1,2
E	R/A - E/A	24"x24"	--	0-2000	ALUMINUM	PRICE/TITUS/NAIOLR	630/3FL/5145	24"x24" LAY-IN PANEL/SURFACE MOUNT LOUVERED GRILLE	1,2
F	SUPPLY	14"x12"	14"x12"	0-320	ALUMINUM	PRICE	SDG	14"x12" SPIRAL DUCT GRILLE	1,2
G	EXHAUST	12"x12"	--	0-250	ALUMINUM	PRICE/TITUS/NAIOLR	630/3FL/5145	12"x12" LAY-IN PANEL/SURFACE MOUNT LOUVERED GRILLE	1,2
H	RETURN	48"x24"	--	0-3000	ALUMINUM	PRICE/TITUS/NAIOLR	630/3FL/5145	48"x24" LAY-IN PANEL/SURFACE MOUNT LOUVERED GRILLE	1,2
J	RETURN	20"x14"	--	0-1000	ALUMINUM	PRICE/TITUS/NAIOLR	630/3FL/5145	20"x14" LAY-IN PANEL/SURFACE MOUNT LOUVERED GRILLE	1,2

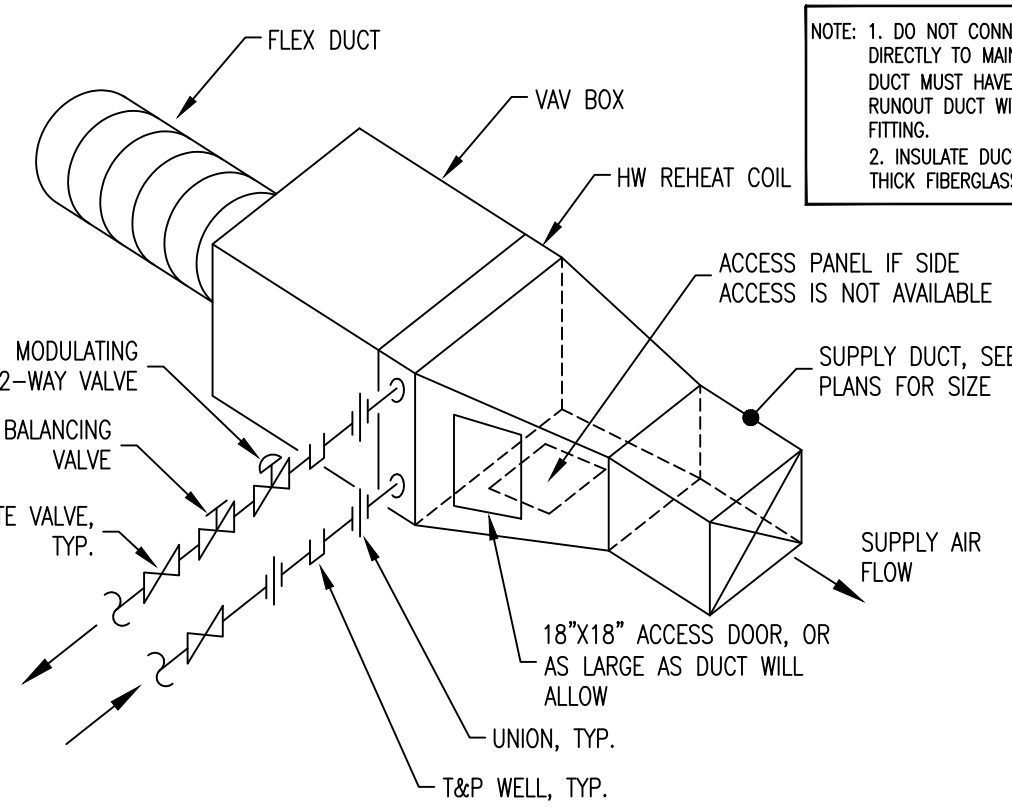
- COORDINATE WITH ARCHITECTURAL REFLECTED CEILING FOR SURFACE OR LAY-IN MOUNTING.
- DIFFUSER/GRILLE COLOR MUST BE COORDINATED WITH ARCHITECTURAL FINISH SCHEDULE TO MATCH CEILING OR WALL.



- NOTES:
- THIS DETAIL IS FOR EXTERNALLY INSULATED DUCTWORK.
 - EXTEND ROUND SHEETMETAL DUCTWORK AND ASSOCIATED DUCT INSULATION FROM MAIN DUCT, SO FLEXIBLE DUCT LENGTH DOES NOT EXCEED 6 FEET.
 - FLEX DUCT: FLEXMASTER TYPE BM-RE, OR APPROVED EQUAL - SUBMIT SAMPLE FOR APPROVAL.
 - S/A TAP TO BE FURNISHED & INSTALLED ON ALL ROUND S/A DUCT TAKEOFFS.

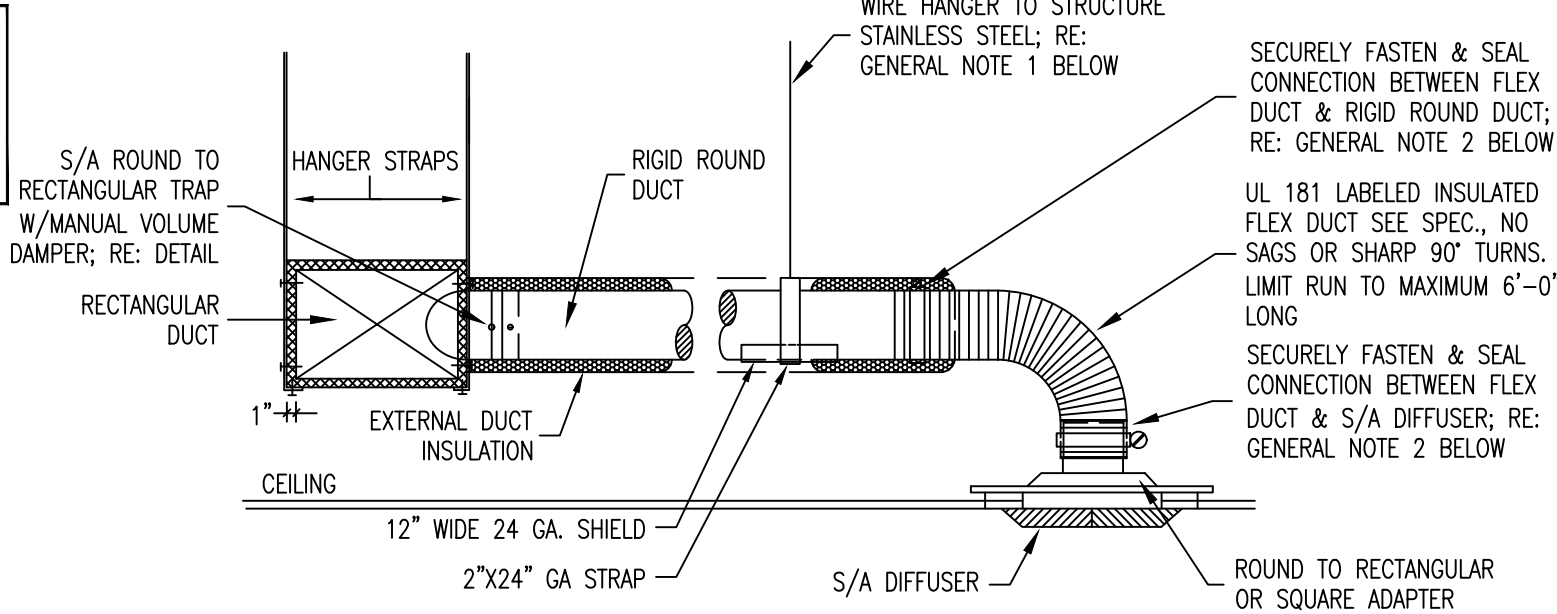
1 | DETAIL-DUCT LAYOUT
SCALE: N.T.S.

2 | DETAIL-EXTRACTOR & MANUAL DAMPER
SCALE: N.T.S.



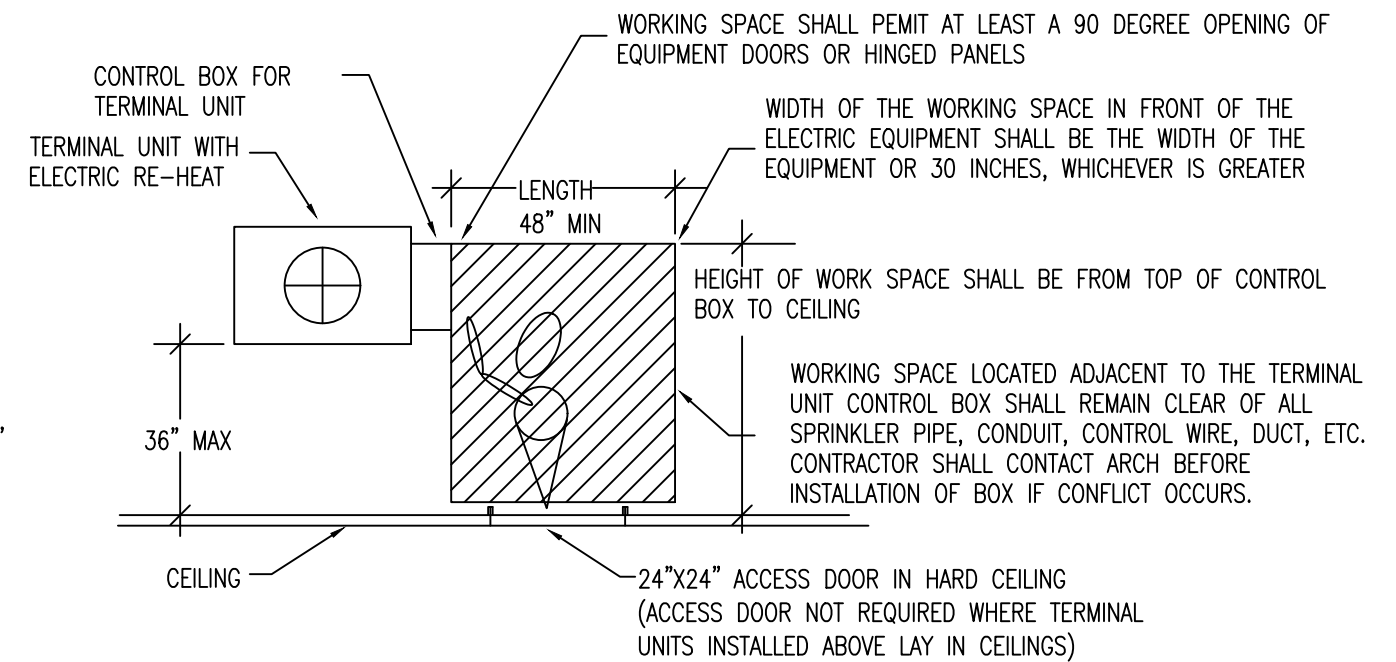
- NOTE:
- DO NOT CONNECT FLEXIBLE DUCT DIRECTLY TO MAIN DUCT. EACH FLEX DUCT MUST HAVE ITS OWN RIGID RUNOUT DUCT WITH 45° TAKE OFF FITTING.
 - INSULATE DUCT RUNOUTS WITH 2" THICK FIBERGLASS INSULATION.

5 | DETAIL-VAV UNIT CONNECTION
SCALE: N.T.S.



- GENERAL NOTES:
- PROVIDE SUPPORT ON ALL BRANCH DUCT RUNOUTS AS PER SMACNA STANDARDS & WITH A MINIMUM OF (2) SUPPORTS ON BRANCH DUCTS OVER 6'-0" IN LENGTH & (1) SUPPORT ON BRANCH DUCTS UNDER 6'-0" IN LENGTH. CONNECTION TO BE MADE WITH PRESSURE SENSITIVE TAPE, AS PER SECTION 603.9 OF IMC, AS WELL AS A STAINLESS STEEL SCREW DRIVER OPERATED BAND. ALL FLEX DUCT CONNECTIONS SHALL ADHERE TO SECTION 603.9 OF IMC & MANUFACTURER'S INSTALLATION SPECIFICATIONS.

3 | DETAIL-DIFFUSER CONNECTION
SCALE: N.T.S.



- NOTES:
- CONTRACTOR SHALL INSTALL TERMINAL BOXES NO HIGHER THAN 36" ABOVE CEILINGS FOR ACCESSIBILITY. ALL TRANSITIONS AND OFFSETS IN DUCTWORK TO ACCOMMODATE TRUSS LAYOUT, TERMINAL BOXES ACCESSIBILITY AND DAMPER ACCESSIBILITY SHALL BE INCLUDED. NO CHANGE ORDER WILL BE GIVEN FOR THIS ITEM. THE CONTRACTOR MUST SHOW THE TRUSS LAYOUT AND ACCESSIBILITY OF VAV BOXES IN THE REQUIRED SHOP DRAWINGS AND COORDINATION DRAWINGS PRIOR TO ORDERING OR BEGINNING WORK.
 - TERMINAL BOX SHALL BE INSTALLED IN STRICT ACCORDANCE WITH NEC AND NFPA.
 - CONTRACTOR SHALL VERIFY ALL VOLTAGE REQUIREMENTS NECESSARY FOR ALL TERMINAL BOXES PRIOR TO ORDERING. NO CHANGE ORDER SHALL BE GIVEN FOR THIS ITEM.

1 | DETAIL-TERMINAL BOX CLEARANCE
SCALE: N.T.S.

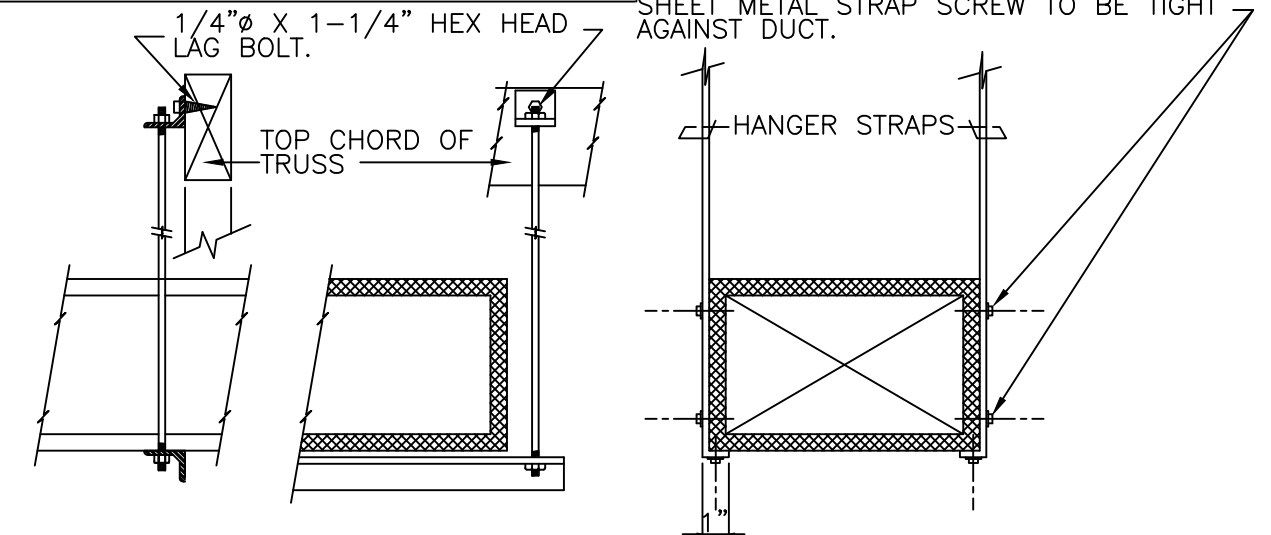
DUCTWORK SUPPORTS

MAX. SPACING	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1"x18" GAGE STRIP	1-1/2"x1-1/2"x1/8"	10'-0"
36"	1/4" ROUND ROD	2"x2"x1/8"	8'-0"
48"	1/4" ROUND ROD	2"x2"x1/8"	8'-0"
60"	5/16" ROUND ROD	2"x2"x1/8"	8'-0"
84"	3/8" ROUND ROD	2"x2"x1/8"	8'-0"

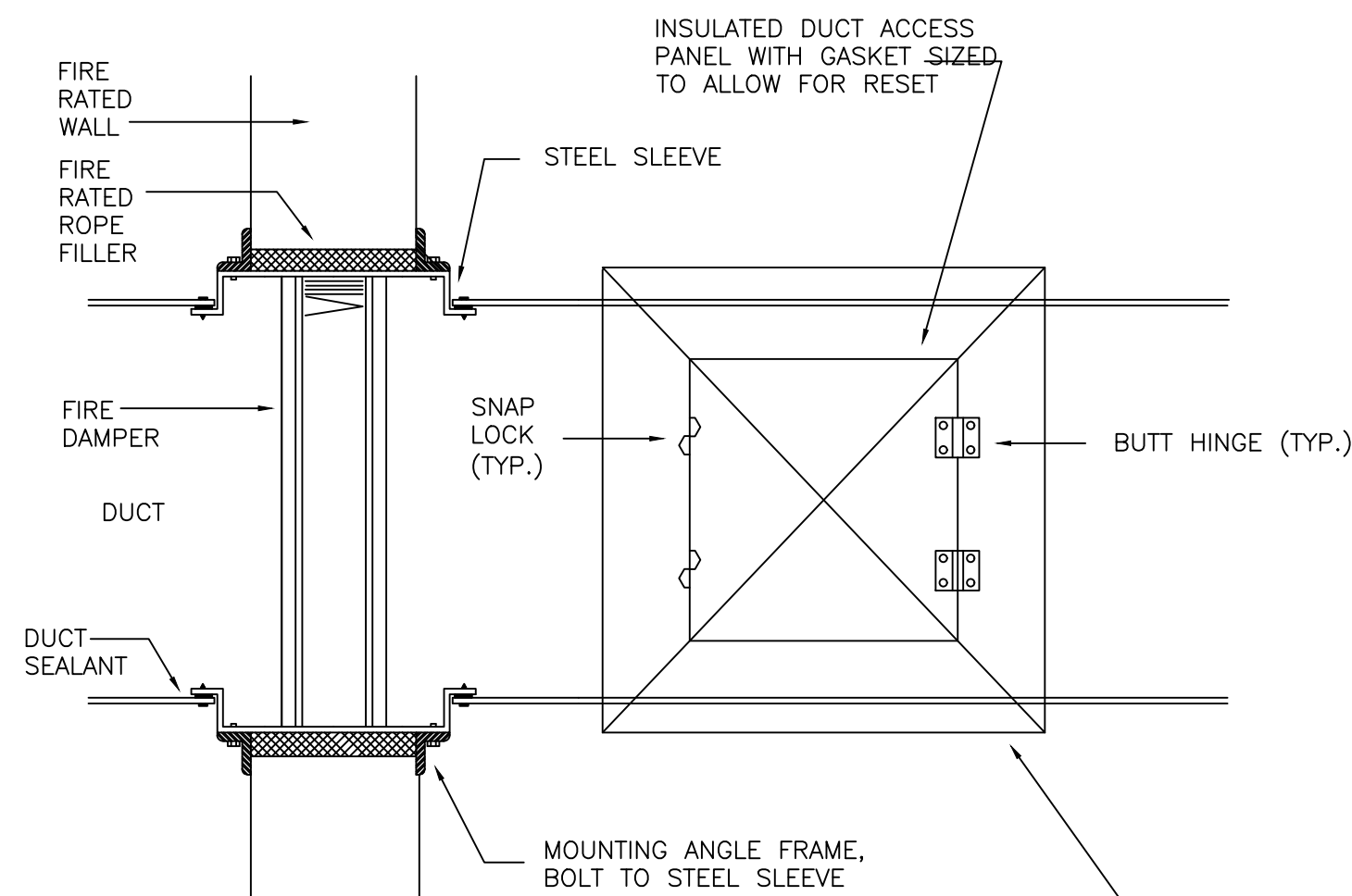
NOTE: ALL SUPPLY AIR DUCTS SHALL BE WRAPPED EXTERNALLY AS PER SPECIFICATION.

NO POP RIVETS ALLOWED

SELF TAPPING CADMIUM PLATED HEX HEAD SHEET METAL STRAP SCREW TO BE TIGHT AGAINST DUCT.

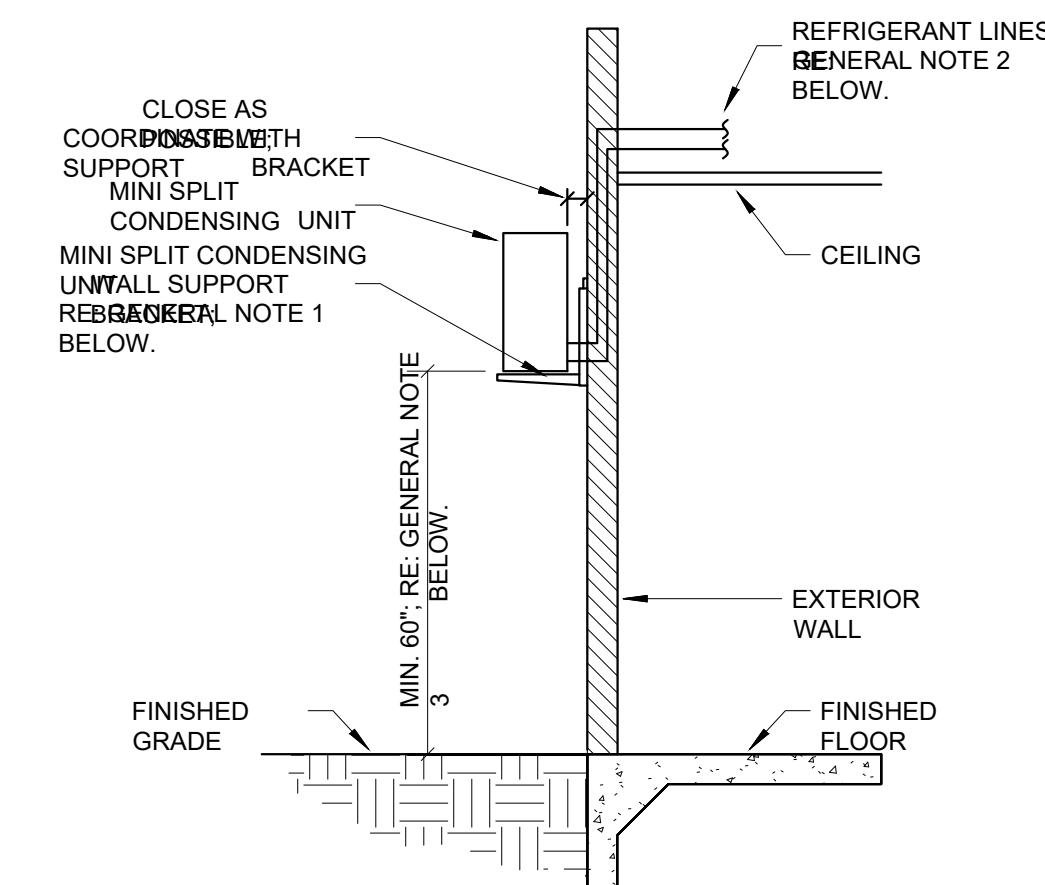


4 | DETAIL-DUCTWORK SUPPORTS
SCALE: N.T.S.



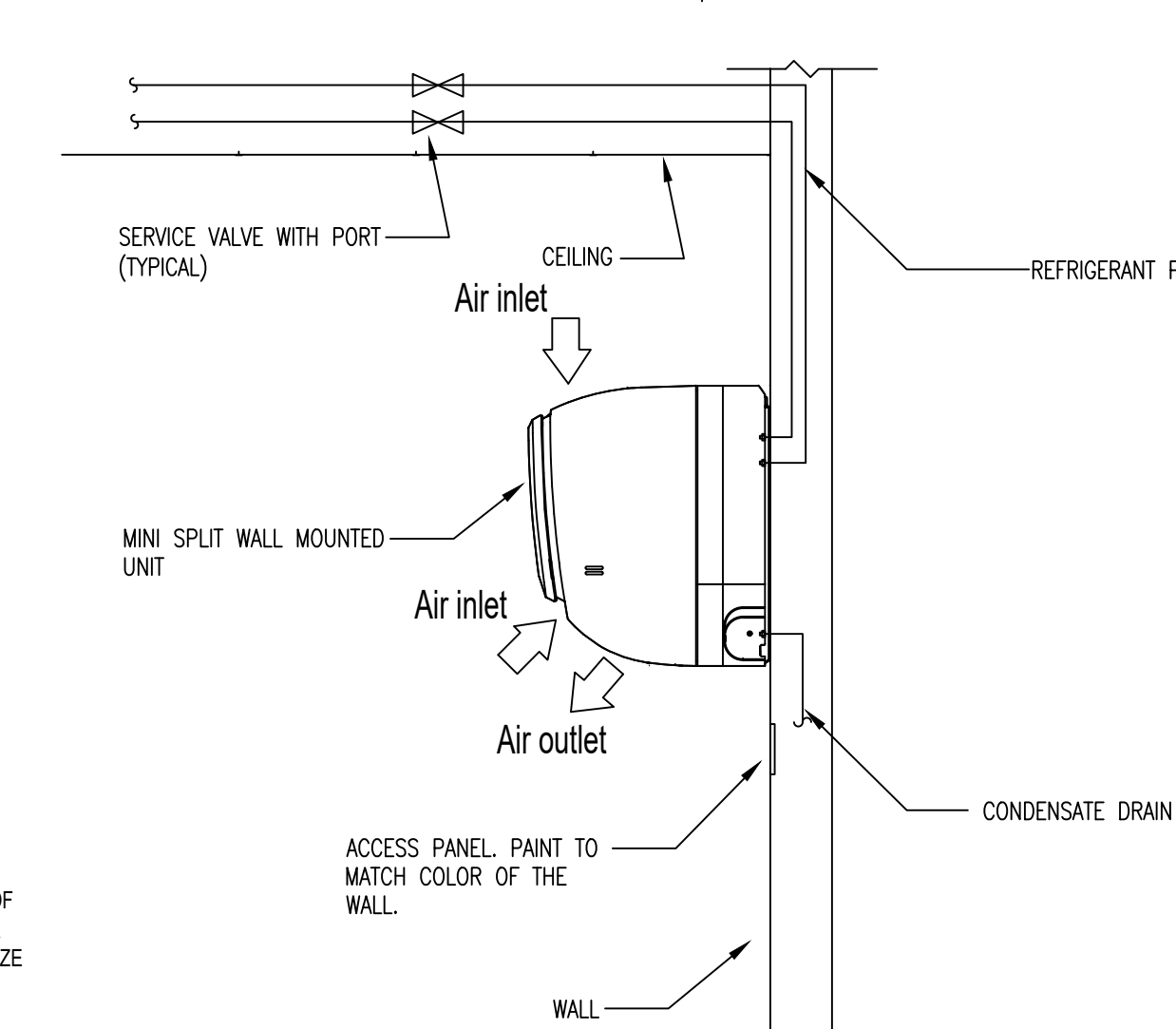
- NOTE:
- CONTRACTOR SHALL VERIFY ALL VOLTAGE REQUIREMENTS NECESSARY FOR SMOKE, FIRE, OR SMOKE/FIRE DAMPERS WITH ELECTRICAL PRIOR TO ORDERING. NO CHANGE ORDER SHALL BE GIVEN FOR THIS ITEM.

12 | DETAIL-FIRE DAMPER
SCALE: N.T.S.

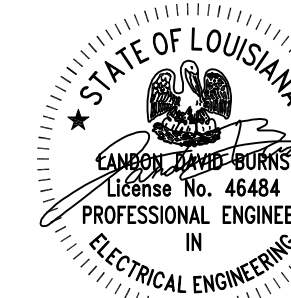


- GENERAL NOTES:
- CONDENSING UNIT SHALL BE MOUNTED TO WALL BY WALL SUPPORT BRACKET WITH VIBRATION ISOLATION. WALL SUPPORT BRACKET TO BE ONE OF THE FOLLOWING MANUFACTURERS: SLIMDUCH OR DIVERSITECH. BRACKET TO BE FURNISHED AND INSTALLED WITH ALL NECESSARY HARDWARE FOR PROPER INSTALLATION (I.E. FASTENERS, WASHERS, ETC) WALL SUPPORT BRACKET TO BE OF MINIMUM SIZE TO ACCOMMODATE CONDENSING UNIT SIZE AND WEIGHT. COORDINATE EXACT SUPPORT BRACKET SIZE TO BE USED WITH CORRESPONDING CONDENSING UNIT. RE: MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS FOR INSTALLATION OF BRACKET.
 - ALL REFRIGERANT LINES SHALL BE SIZED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REFRIGERANT LINES SHALL BE ROUTED THROUGH EXTERIOR WALL AND EXPOSED THROUGH ATTIC OR CEILING SPACE TO RESPECTIVE AIR HANDLING UNIT. SEAL WALL PENETRATION WATER TIGHT. RE: AIR COOLED DX CONDENSING UNIT DETAIL FOR ACCESSORIES AND VALVES TO BE INSTALLED ON REFRIGERANT LINES.
 - COORDINATE MOUNTING HEIGHT OF CONDENSING UNIT WITH ARCHITECT AND BUILDING STRUCTURE.

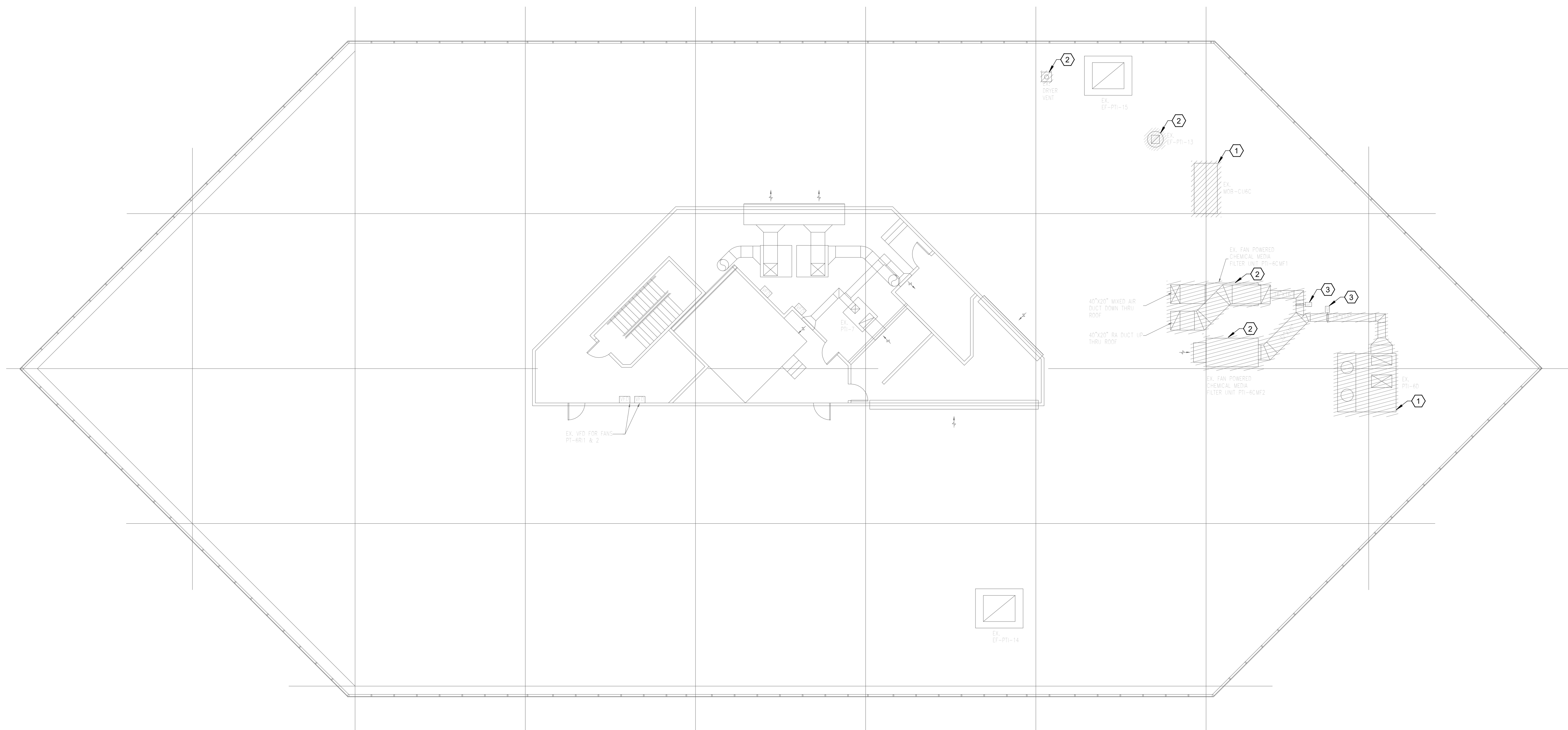
6 | DETAIL-WALL MOUNTED CONDENSING UNIT
SCALE: N.T.S.



7 | DETAIL-WALL MOUNTED MINI SPLIT
SCALE: N.T.S.

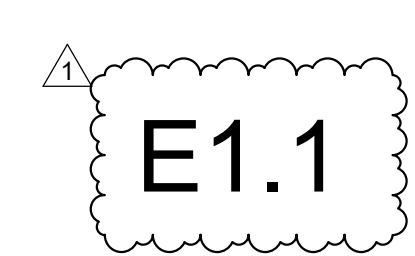


- ELECTRICAL DEMO KEYED NOTES:**
- ① DISCONNECT AND REMOVE EXISTING MECHANICAL EQUIPMENT AND DEMO BACK TO SOURCE COORDINATE WITH DIV 23.
 - ② DISCONNECT AND REMOVE EXISTING EX. FAN AND DEMO BACK TO SOURCE COORDINATE WITH DIV 23.
 - ③ DISCONNECT AND REMOVE EXISTING MOTORIZED DAMPER AND DEMO BACK TO SOURCE COORDINATE WITH DIV 23.



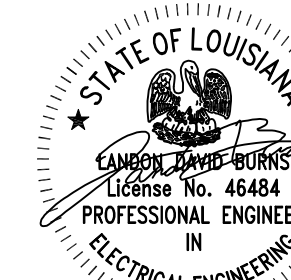
BRPD Training Academy Renovations
9000 Airline Hwy., Baton Rouge, LA 70815

REVISION:	
CHK: LB	DRAWN: SC
FILE NAME:	
DATE:	21, Feb. 2024
TITLE:	ELECTRICAL POWER DEMO ROOFTOP PLAN



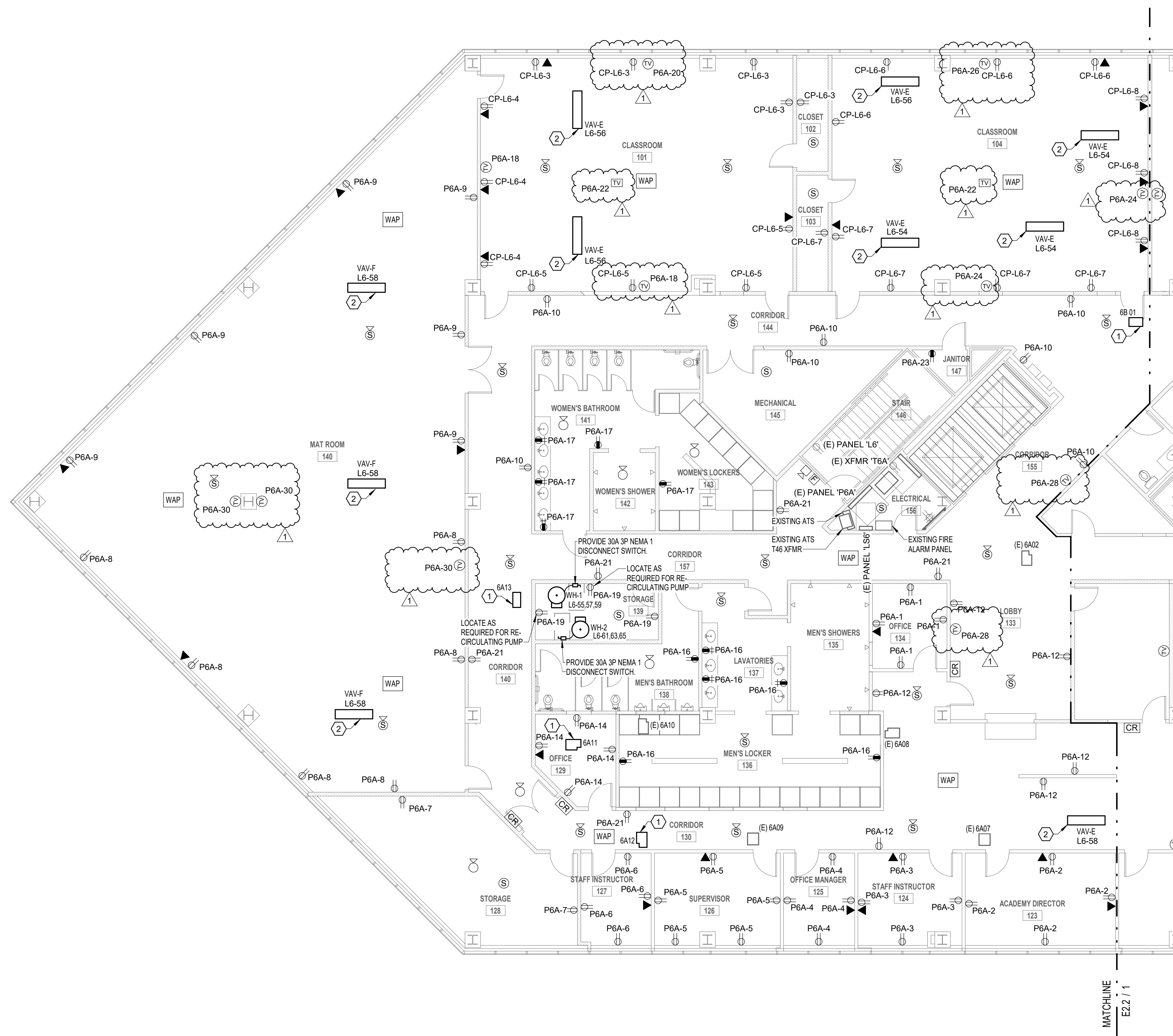
1 | ELECTRICAL OVERALL ROOF TOP DEMO PLAN
1" = 10'-0"

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 Rieger Road., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT # 22-163
Frank Saville Thompson - License No. 28854
Landon David Burns - License No. 46484



ELECTRICAL KEYED NOTES:

- ① APPROXIMATE LOCATION OF RELOCATED MECHANICAL EQUIPMENT. CONTRACTOR SHALL SPLICE AND EXTEND AS REQUIRED. COORDINATE RELOCATION WITH DIV. 23 REFER TO E1.0 FOR MORE INFORMATION.
- ② CONTRACTOR SHALL PROVIDE SPST HEAVY DUTY 30A DISCONNECT SWITCH LOCATE AS PRACTICABLE.



1 ELECTRICAL POWER PLAN - EAST
1/8" = 1'-0"

REVISION:

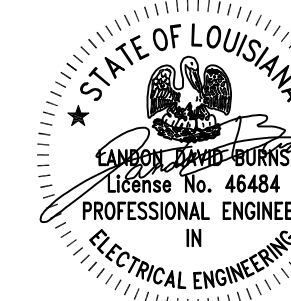
CHK: LB DRAWN: SC
FILE NAME:

DATE: 21, Feb. 2024
TITLE:

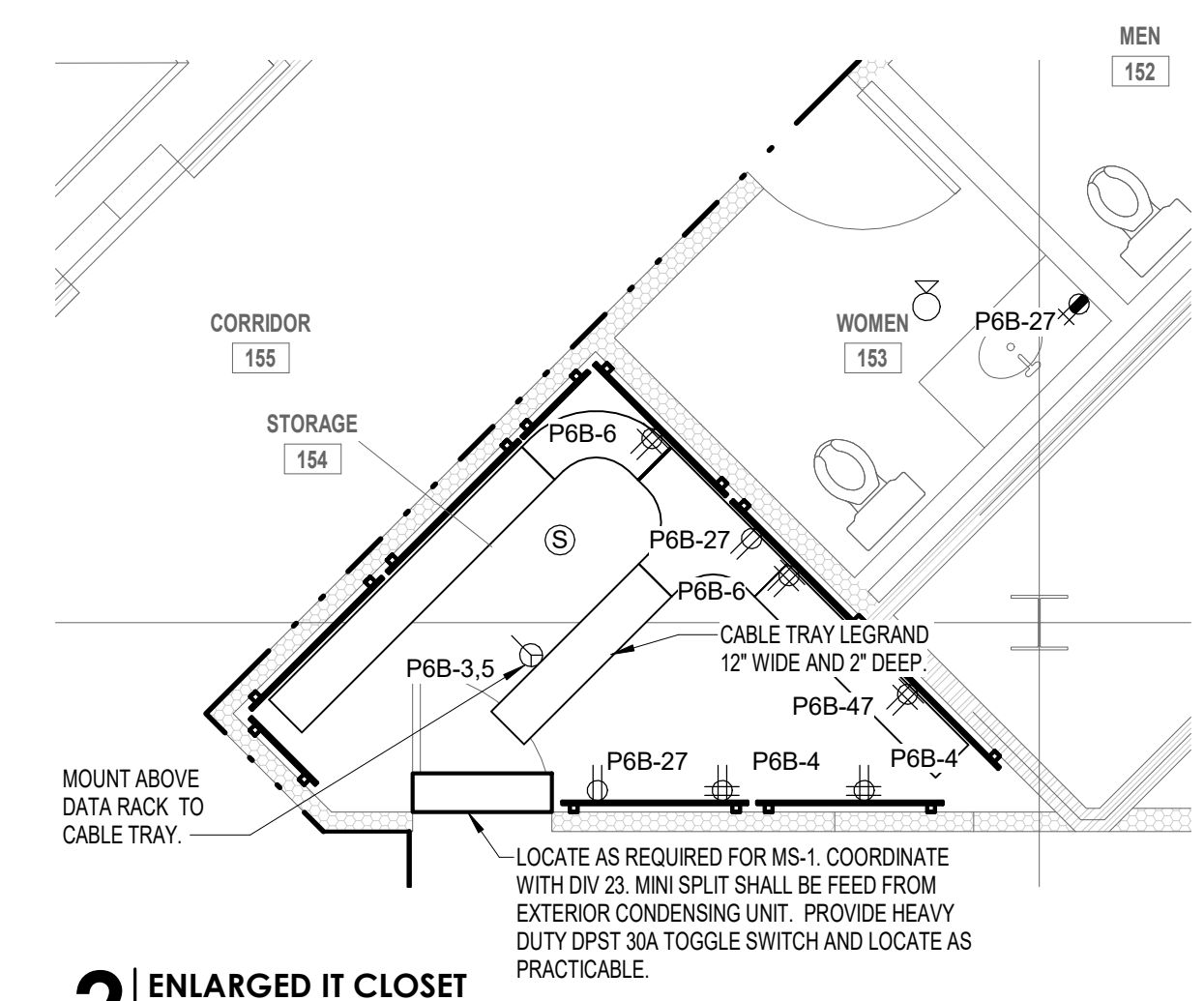
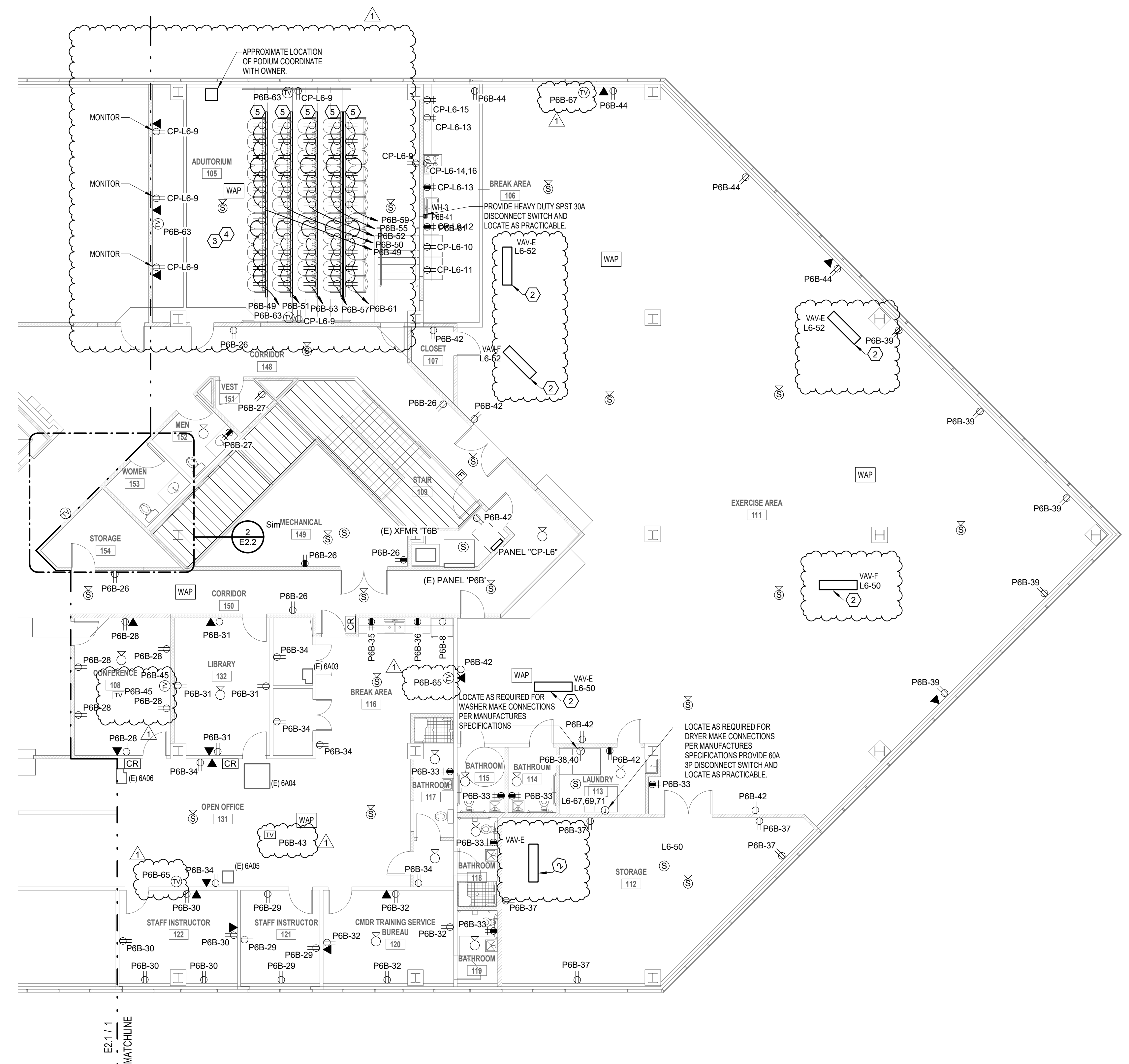
ELECTRICAL POWER PLAN - EAST

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 Rieger Road, STE 101
BATON ROUGE, LA 70809
(225) 293-9474 TLA PROJECT # 22-163
Frank Saville Thompson - License No. 28854
Landon David Burns - License No. 46484

E2.1



- ELECTRICAL KEYED NOTES:**
- 1 APPROXIMATE LOCATION OF RELOCATED MECHANICAL EQUIPMENT. CONTRACTOR SHALL SPLICE AND EXTEND AS REQUIRED. COORDINATE RELOCATION WITH DIV. 23 REFER TO E1.0 FOR MORE INFORMATION.
 - 2 CONTRACTOR SHALL PROVIDE SPST HEAVY DUTY 30A DISCONNECT SWITCH LOCATE AS PRACTICABLE.
 - 3 COORDINATE LOCATION OF ALL RECEPTACLES WITHIN AUDITORIUM WITH OWNER PRIOR TO INSTALLATION.
 - 4 PROVIDE HDMI FROM MONITOR TO PODIUM LOCATION.
 - 5 PROVIDE 5,000S ALLOWANCE FOR CUSTOM 2" 5" PLUG MOLD WITH (11) RECEPTACLES SPACED 2' APART LOCATED BELOW EACH AUDITORIUM SEAT.



1 ELECTRICAL POWER PLAN - WEST
1/8" = 1'-0"

2 ENLARGED IT CLOSET
1/4" = 1'-0"

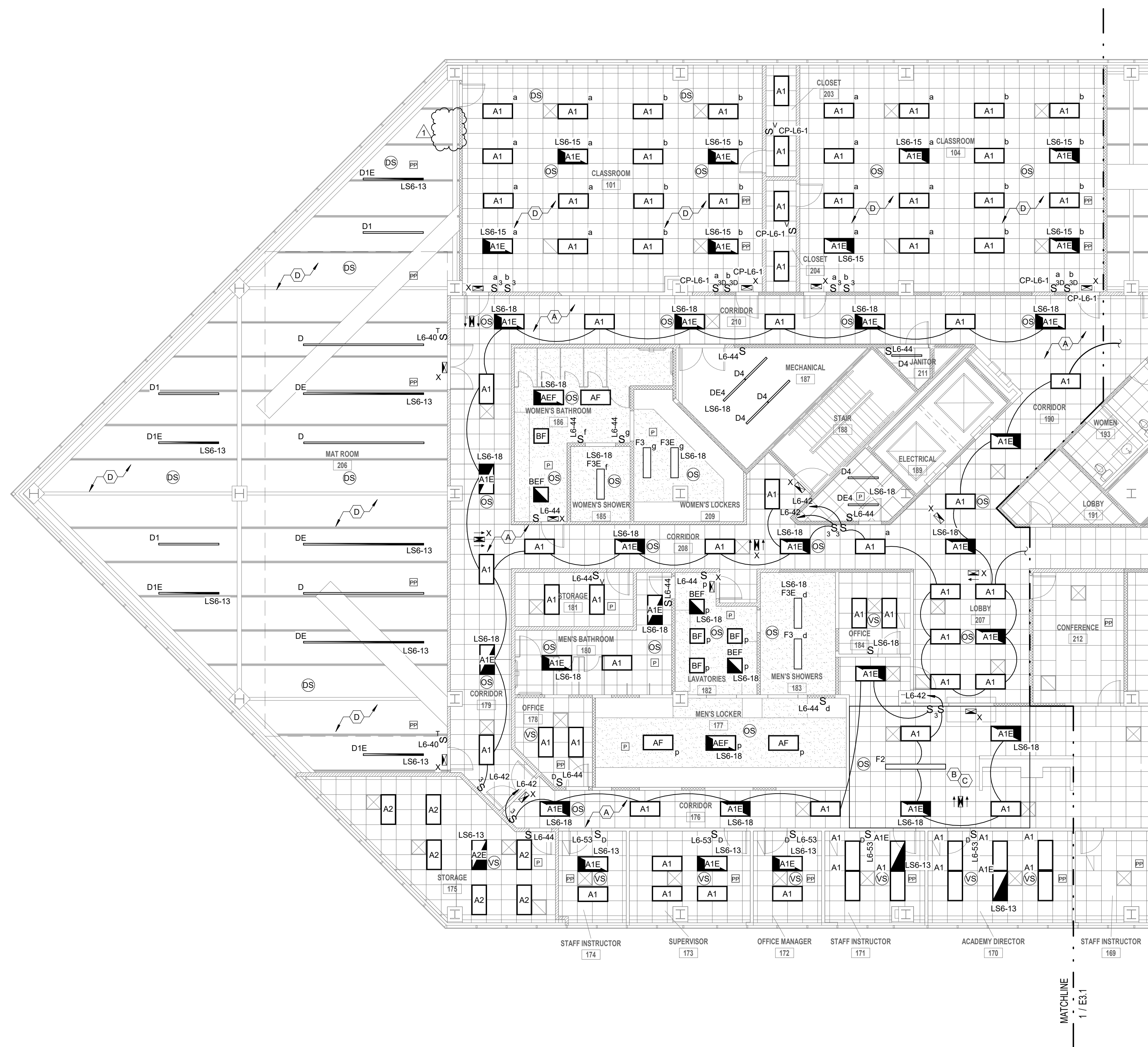
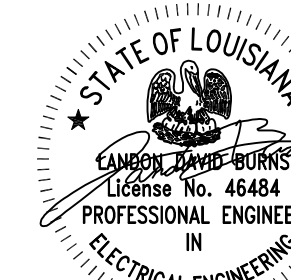
REVISION:

CHK: LB DRAWN: SC
FILE NAME:

DATE: 21, Feb. 2024
TITLE:

ELECTRICAL POWER PLAN - WEST

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 Rieger Road., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT # 22-163
Frank Saville Thompson - License No. 28854
Landon David Burns - License No. 46484



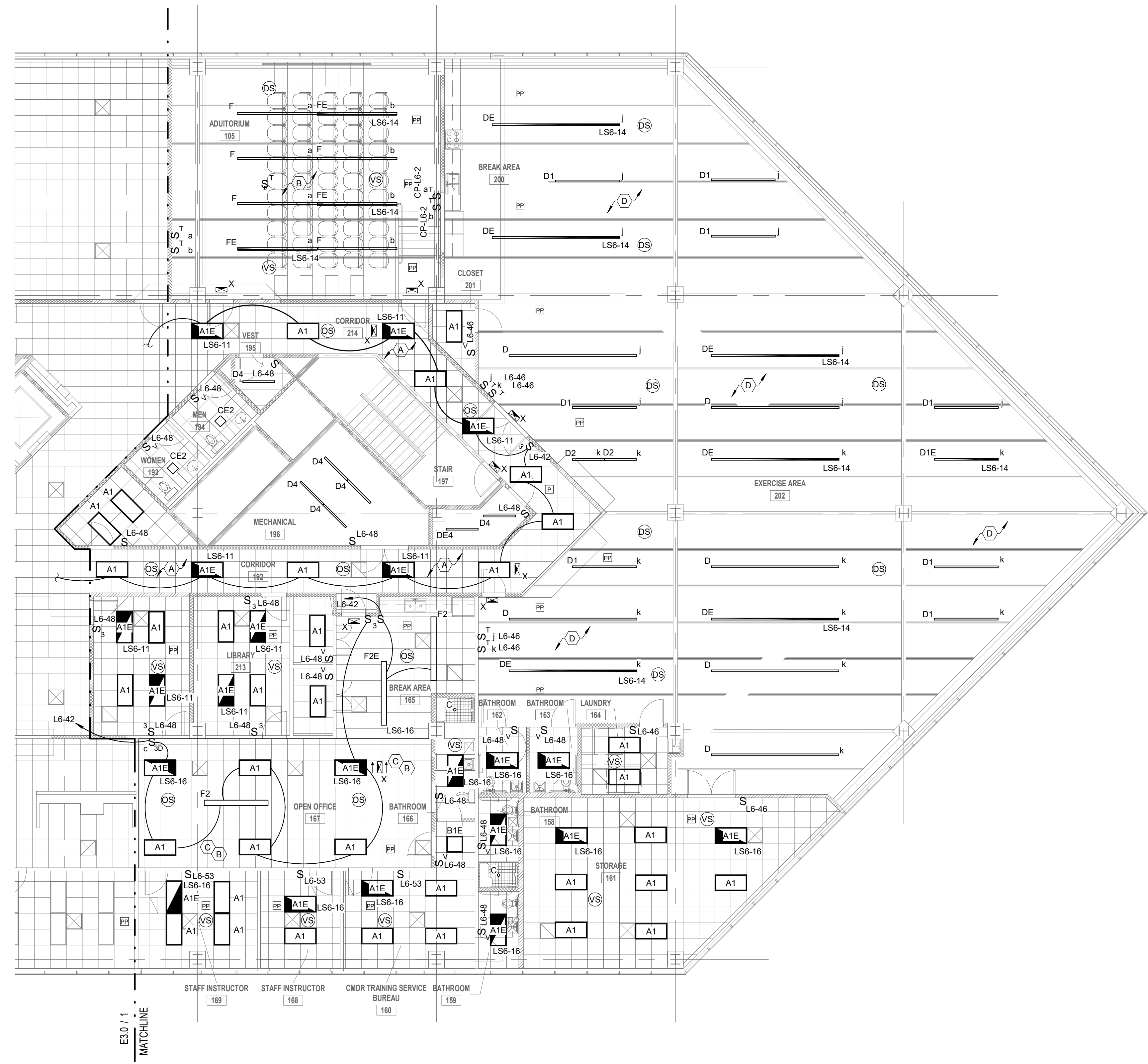
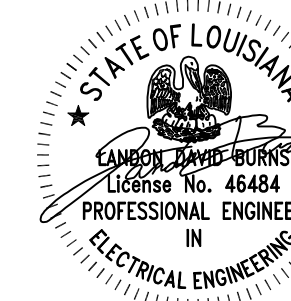
- LIGHTING KEYED NOTES**
- (A) LIGHTING SHALL REMAIN AT 100% DURING BUSINESS HOURS AND OPERATE WITH OCC SENSOR OVERDUE AFTERHOURS. AFTER 20 MINUTES OF NO MOTION DETECTION AND TURN OFF AFTER 2 HOURS OF NO MOTION DETECTION.
 - (B) LIGHTING FIXTURES WITHIN AREA SHALL BE CONTROLLED VIA OCCUPANCY SENSOR AND A MANUAL CONTROL.
 - (C) LIGHTING FIXTURES WITHIN AREA SHALL BE CONTROLLED SEPARATELY IN CONTROL ZONES WITH FLOOR AREAS NOT GREATER THAN 800 SQUARE FEET WITHIN THE OPEN PLAN OFFICE SPACE. THE ZONES SHALL BE CONTROLLED SUCH THAT IF ANY ONE ZONE HAS ACTIVITY THE ADJACENT ZONES SHALL ILLUMINATE TO NOT MORE THAN 20% POWER.
 - (D) LIGHTING IN THIS AREA SHALL BE CONTROLLED BY OCCUPANCY SENSORS AND AUTOMATICALLY ON TO 50% AND MANUAL ADJUSTMENT TO 100%.

1 ELECTRICAL LIGHTING PLAN - EAST
1/8" = 1'-0"

REVISION:	
CHK: LB	DRAWN: SC
FILE NAME:	
DATE:	21, Feb. 2024
TITLE:	ELECTRICAL LIGHTING PLAN - EAST

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 Rieger Road, STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT # 22-163
Frank Saville Thompson - License No. 28854
Landon David Burns - License No. 46484

E3.0



LIGHTING KEYED NOTES

- (A) LIGHTING SHALL REMAIN AT 100% DURING BUSINESS HOURS AND OPERATE WITH OCC SENSOR OVERIDE AFTERHOURS. AFTER 20 MINUTES OF NO MOTION DETECTION AND TURN OFF AFTER 2 HOURS OF NO MOTION DETECTION.
- (B) LIGHTING FIXTURES WITHIN AREA SHALL BE CONTROLLED VIA OCCUPANCY SENSOR AND A MANUAL CONTROL.
- (C) LIGHTING FIXTURES WITHIN AREA SHALL BE CONTROLLED SEPARATELY IN CONTROL ZONES WITH FLOOR AREAS NOT GREATER THAN 600 SQUARE FEET WITHIN THE OPEN PLAN OFFICE SPACE. THE ZONES SHALL BE CONTROLLED SUCH THAT IF ANY ONE ZONE HAS ACTIVITY THE ADJACENT ZONES SHALL ILLUMINATE TO NOT MORE THAN 20% POWER.
- (D) LIGHTING IN THIS AREA SHALL BE CONTROLLED BY OCCUPANCY SENSORS AND AUTOMATICALLY ON TO 50% AND MANUAL ADJUSTMENT TO 100%.

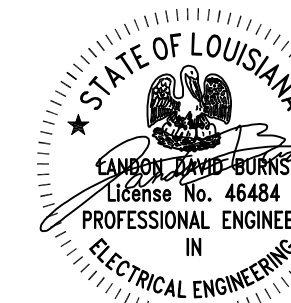
1 ELECTRICAL LIGHTING PLAN - WEST
1/8" = 1'-0"

REVISION:

CHK: LB DRAWN: SC
FILE NAME:

DATE: 21, Feb. 2024
TITLE:
ELECTRICAL LIGHTING PLAN - WEST

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 Rieger Road., STE 101
BATON ROUGE, LA 70809
(225)293-9474 TLA PROJECT # 22-163
Frank Saville Thompson - License No. 28854
Landon David Burns - License No. 46484



Existing Branch Panel: P6B

Location: Supply From: T6B
Mounting: SURFACE
Enclosure: NEMA-1
Number of Sections: 2

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

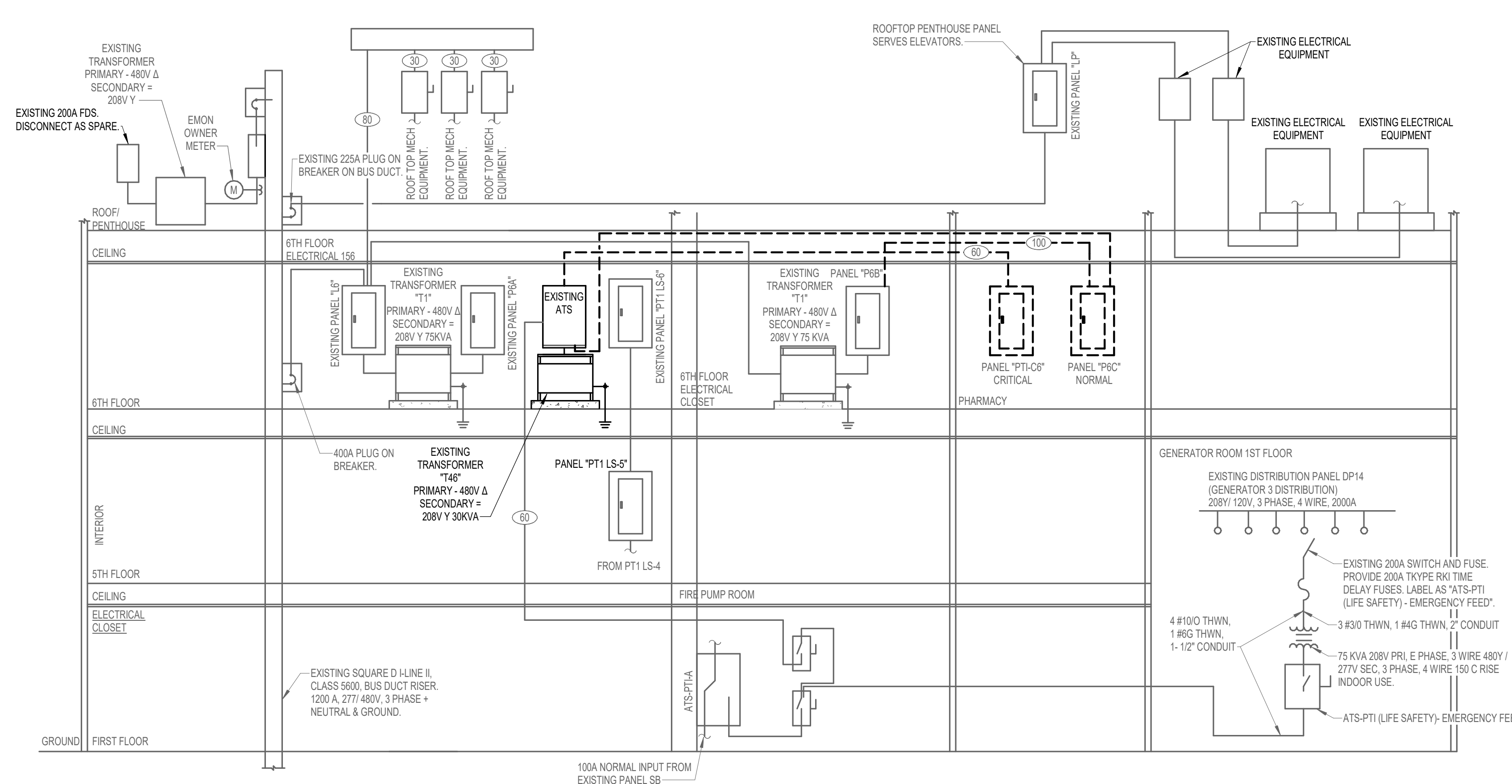
A.I.C. Rating: 10,000
Mains Rating: 225 A
MCB Rating: 225 A

Panel Schedule Notes:
E-EXISTING BREAKER SHALL BE RE-USED
G- GFCI BREAKER

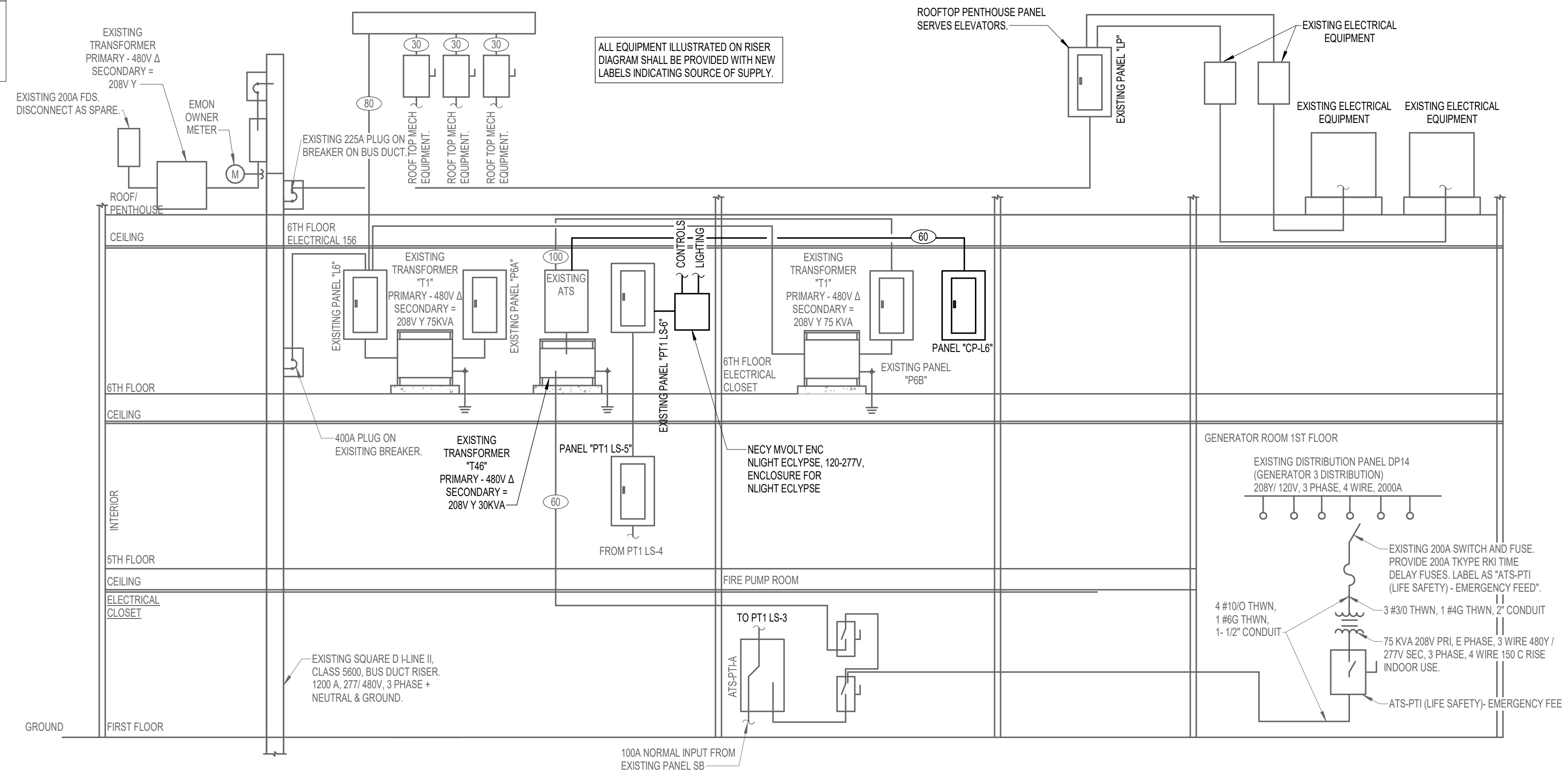
AB	CK	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A	B	C	Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CK	AB
--	1	20 A	1	--	--	--	EXISTING COM BACKBOARD	0.0 kVA	0.0 kVA	--	EXISTING RECEIPT	--	--	--	1	20 A	2	--
--	3	20 A	1	--	--	--	EXISTING TV BACK BOARD	--	--	--	EXISTING RECEIPT	--	--	--	1	20 A	4	--
--	5	15 A	1	--	--	--	EXISTING LOPS	--	--	--	EXISTING RECEIPT	--	--	--	1	20 A	6	--
--	7	20 A	1	--	--	--	EXISTING MOB-FB	0.0 kVA	0.0 kVA	--	EXISTING RECEIPT	--	--	--	1	20 A	8	--
--	9	20 A	1	--	--	--	EXISTING COOK TOP	--	--	--	EXISTING RECEIPT	--	--	--	1	20 A	10	--
--	11	20 A	1	--	--	--	EXISTING PC	--	--	--	EXISTING DISHWASHER	--	--	--	1	20 A	12	--
--	13	20 A	1	--	--	--	EXISTING PC	0.0 kVA	0.0 kVA	--	EXISTING REFRIDGE	--	--	--	1	20 A	14	--
--	15	20 A	1	--	--	--	EXISTING PC	--	--	--	EXISTING MICROWAVE	--	--	--	1	20 A	16	--
--	17	20 A	1	--	--	--	EXISTING PC	--	--	--	EXISTING RECEIPT	--	--	--	1	20 A	18	--
--	19	20 A	1	--	--	--	EXISTING RECEIPT	0.0 kVA	0.0 kVA	--	EXISTING RECEIPT	--	--	--	1	20 A	20	--
--	21	20 A	1	--	--	--	EXISTING RECEIPT	--	--	--	EXISTING RECEIPT	--	--	--	1	20 A	22	--
--	23	20 A	1	--	--	--	EXISTING RECEIPT	--	--	--	EXISTING BREAKER	--	--	--	1	20 A	24	--
--	25	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	1.1 kVA	--	CORRIDOR RECEIPT	3/4"	#12	2#12	1	20 A	26	E
E	27	20 A	1	2#12	#12	3/4"	LOBBY/VEST. RECEIPT	0.9 kVA	1.1 kVA	--	CONF. RECEIPT	3/4"	#12	2#12	1	20 A	28	E
E	29	20 A	1	2#12	#12	3/4"	STAFF RECEIPT	--	--	0.7 kVA	0.9 kVA	--	--	--	1	20 A	30	E
E	31	20 A	1	2#12	#12	3/4"	LIBRARY RECEIPT	0.7 kVA	0.7 kVA	--	CMDR RECEIPT	3/4"	#12	2#12	1	20 A	32	E
E	33	20 A	1	2#12	#12	3/4"	RRLAUNDRY RECEIPT	1.1 kVA	1.1 kVA	--	OPEN OFFICE RECEIPT	3/4"	#12	2#12	1	20 A	34	E
E	35	20 A	1	2#12	#12	3/4"	KITCHEN APPLIANCE	0.2 kVA	0.2 kVA	--	KITCHEN APPLIANCE	3/4"	#12	2#12	1	20 A	36	E
E	37	20 A	1	2#12	#12	3/4"	STORAGE RECEIPT	0.9 kVA	1.5 kVA	--	WASHER	3/4"	#10	3#10	2	30 A	38	G
E	39	20 A	1	2#12	#12	3/4"	EXERCISE RECEIPT	--	0.9 kVA	1.5 kVA	--	--	--	--	--	--	40	--
E	41	15 A	1	2#12	#12	3/4"	WH-3	0.3 kVA	1.3 kVA	--	EXERCISE RECEIPT	3/4"	#12	2#12	1	20 A	42	E
E	43	20 A	1	2#12	#12	3/4"	FLOOR BOX	0.0 kVA	0.7 kVA	--	EXISTING MICROWAVE	3/4"	#12	2#12	1	20 A	44	E
E	45	20 A	1	2#12	#12	3/4"	FLOOR BOX	0.2 kVA	0.0 kVA	--	EXISTING MICROWAVE	3/4"	#12	2#12	1	20 A	46	E
E	47	20 A	1	2#12	#12	3/4"	IT EQUIPMENT	0.4 kVA	0.9 kVA	--	PLUG MOLD	3/4"	#12	2#12	1	20 A	48	E
E	49	20 A	1	2#12	#12	3/4"	PLUG MOLD	1.1 kVA	1.1 kVA	--	PLUG MOLD	3/4"	#12	2#12	1	20 A	50	E
E	51	20 A	1	2#12	#12	3/4"	PLUG MOLD	0.9 kVA	1.1 kVA	--	PLUG MOLD	3/4"	#12	2#12	1	20 A	52	E
E	53	20 A	1	2#12	#12	3/4"	PLUG MOLD	0.9 kVA	0.0 kVA	--	EXISTING BREAKER	3/4"	#12	2#12	1	20 A	54	E
E	55	20 A	1	2#12	#12	3/4"	PLUG MOLD	1.1 kVA	0.0 kVA	--	EXISTING BREAKER	3/4"	#12	2#12	1	20 A	56	E
E	57	20 A	1	2#12	#12	3/4"	PLUG MOLD	0.9 kVA	0.0 kVA	--	EXISTING BREAKER	3/4"	#12	2#12	1	20 A	58	E
E	59	20 A	1	2#12	#12	3/4"	PLUG MOLD	1.1 kVA	0.0 kVA	--	EXISTING BREAKER	3/4"	#12	2#12	1	20 A	60	E
E	61	20 A	1	2#12	#12	3/4"	PLUG MOLD	0.9 kVA	0.0 kVA	--	EXISTING BREAKER	3/4"	#12	2#12	1	20 A	62	E
E	63	20 A	1	2#12	#12	3/4"	TV	0.5 kVA	9.8 kVA	--	XFMR -CP-L6	1 1/4"	#8	3#8	3	100 A	64	E
E	65	20 A	1	2#12	#12	3/4"	TV	0.3 kVA	7.5 kVA	--	--	--	--	--	--	--	66	--
E	67	20 A	1	2#12	#12	3/4"	TV	0.2 kVA	2.4 kVA	--	--	--	--	--	--	--	68	--
E	69	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA	--	EXISTING BREAKER	3/4"	#12	2#12	1	20 A	70	--
E	71	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA	--	EXISTING BREAKER	3/4"	#12	2#12	1	20 A	72	--
E	73	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA	--	EXISTING BREAKER	3/4"	#12	2#12	1	20 A	74	--
E	75	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA	--	EXISTING BREAKER	3/4"	#12	2#12	1	20 A	76	--
E	77	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA	--	EXISTING BREAKER	3/4"	#12	2#12	1	20 A	78	--
E	79	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA	--	SPD	3/4"	#12	2#12	1	30 A	80	--
E	81	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA	--	--	--	--	--	--	--	82	--
E	83	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA	--	--	--	--	--	--	--	84	--
								12350 VA	19840 VA	14568 VA								
								103 A	168 A	124 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment - Non-Dwelling Unit	9600 VA	99.17%	9520 VA	Total Conn. Load: 46758 VA
Other	1338 VA	100.00%	1338 VA	
Receptacle	28620 VA	67.47%	19310 VA	Total Est. Demand: 38168 VA
Lighting	3200 VA	125.00%	4000 VA	Total Conn.: 130 A
Miscellaneous	4000 VA	100.00%	4000 VA	Total Est. Demand: 106 A

Load Summary Notes:



1 | POWER RISER DIAGRAM DEMO
N.T.S.



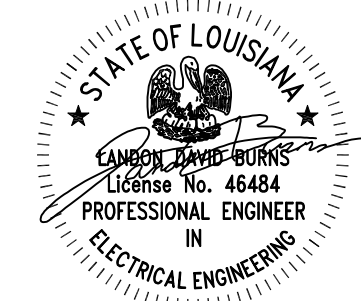
2 | POWER RISER DIAGRAM
N.T.S.

REVISION:	
CHK: LB	DRAWN: SC
FILE NAME:	
DATE:	21, Feb. 2024
TITLE:	ELECTRICAL RISER DIAGRAM & SCHEDULES

THOMPSON LUKE & ASSOCIATES, L.L.C.
 10705 Rieger Road., STE 101
 BATON ROUGE, LA 70809
 (225)293-9474 TLA PROJECT # 22-163
 Frank Saville Thompson - License No. 28854
 Landon David Burns - License No. 46484



Dept of Buildings and Grounds
Architectural Services Division
1100 Laurel Street, Rm. 227
Baton Rouge, LA 70802
p. (225) 389-4694
f. (225)389-4704



SEAL: 09/19/2024

BRPD Training Academy Renovations
9000 Airline Hwy., Baton Rouge, LA 70815

REVISION:

CHK: LB DRAWN: SC
FILE NAME:

DATE: 21, Feb. 2024
TITLE:

SCHEDULES

Existing Branch Panel: L6

Location: Volts: 480/277 Wye
Supply From: Mains Rating: 400 A
Mounting: SURFACE Wires: 4
Enclosure: NEMA-1
Number of Sections: 2
A.I.C. Rating: 18,000
MCB Rating: 400 A

Panel Schedule Notes:
E-EXISTING BREAKER SHALL BE RE-USED
R-REFER TO RISER DIAGRAM

AB	CK	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A	B	C	Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CK	AB		
E	1	100 A	3	R	R	R	EXISTING XFMR T6A	4.6 kVA	6.7 kVA		EXISTING MOB-AU5B	1 1/4"	#8	4#4	3	70 A	2	E		
--	3	--	--	--	--	--				6.2 kVA	6.7 kVA						4	--		
E	7	100 A	3	R	R	R	EXISTING XFMR T6B	12.4 kVA	6.7 kVA		EXISTING MOB-AU5A	1 1/4"	#8	4#4	3	70 A	8	E		
--	9	--	--	--	--	--				19.8 kVA	6.7 kVA						10	--		
--	11	--	--	--	--	--				14.6 kVA	6.7 kVA						12	--		
--	13	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	14	--		
--	15	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA					1	20 A	16	--	
--	17	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	18	--
--	19	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	20	--		
--	21	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	22	--
--	23	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	24	--
--	25	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	26	--		
--	27	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	28	--
--	29	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	30	--
--	31	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	32	--		
--	33	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	34	--
--	35	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	36	--
--	37	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	1.4 kVA		NEW LIGHTING	3/4"	#12	2#12	1	20 A	38	E		
--	39	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	1.0 kVA						1	20 A	40	E
--	41	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	1.6 kVA						1	20 A	42	E
--	43	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.9 kVA		NEW LIGHTING	3/4"	#12	2#12	1	20 A	44	E		
--	45	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	1.5 kVA						1	20 A	46	E
--	47	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.9 kVA						1	20 A	48	E
--	49	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.2 kVA		AHU	3/4"	#12	2#12	1	20 A	50	--		
--	51	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.2 kVA						1	20 A	52	--
--	53	20 A	1	2#12	#12	3/4"	LIGHTING OFFICE			1.0 kVA	0.2 kVA						1	20 A	54	--
--	55	30 A	3	3#10	#10	3/4"	WH-1	6.0 kVA	0.2 kVA		AHU	3/4"	#12	2#12	1	20 A	56	--		
--	57	--	--	--	--	--				6.0 kVA	0.2 kVA						1	20 A	58	--
--	59	--	--	--	--	--				6.0 kVA	--						1	--	60	--
--	61	30 A	3	3#10	#10	3/4"	WH-2	6.0 kVA	--		SPACE	--	--	--	1	--	62	--	62	--
--	63	--	--	--	--	--				6.0 kVA	--						1	--	64	--
--	65	--	--	--	--	--				6.0 kVA	--						1	--	66	--
--	67	50 A	3	3#8	#8	3/4"	DRYER	12.0 kVA	--		SPACE	--	--	--	1	--	68	--	68	--
--	69	--	--	--	--	--				12.0 kVA	--						1	--	70	--
--	71	--	--	--	--	--				12.0 kVA	0.0 kVA						3	30 A	72	--
--	73	--	1	--	--	--	SPACE	--	0.0 kVA		SPACE	--	--	--	1	--	74	--	74	--
--	75	--	1	--	--	--	SPACE			--	0.0 kVA						--	--	76	--

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment - Non-Dwelling Unit	9600 VA	99.17%	9520 VA	
Other	115336 VA	100.00%	115336 VA	Total Conn. Load: 182029 VA
Receptacle	43200 VA	61.57%	26600 VA	Total Est. Demand: 167637 VA
Lighting	9664 VA	125.00%	12080 VA	Total Conn.: 219 A
Miscellaneous	4000 VA	100.00%	4000 VA	Total Est. Demand: 202 A
HVAC	800 VA	100.00%	800 VA	

Load Summary Notes:

Existing Branch Panel: P6A

Location: Volts: 120/208 Wye
Supply From: T6A
Mounting: SURFACE Wires: 4
Enclosure: NEMA-1
Number of Sections: 2
A.I.C. Rating: 10,000
Mains Rating: 225 A
MCB Rating: 225 A

Panel Schedule Notes:
E-EXISTING BREAKER SHALL BE RE-USED
G-GFCI BREAKER

AB	CK	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A	B	C	Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CK	AB		
E	1	20 A	1	2#12	#12	3/4"	OFFICE RECEIPT	0.7 kVA	0.7 kVA		ACADEMY RECEIPT	3/4"	#12	2#12	1	20 A	2	E		
E	3	20 A	1	2#12	#12	3/4"	STAFF RECEIPT		0.7 kVA	0.7 kVA	OFFICE RECEIPT	3/4"	#12	2#12	1	20 A	4	E		
E	5	20 A	1	2#12	#12	3/4"	SUPERVISOR RECEIPT			0.9 kVA	0.7 kVA	STAFF RECEIPT	3/4"	#12	2#12	1	20 A	6	E	
E	7	20 A	1	2#12	#12	3/4"	STORAGE RECEIPT	0.4 kVA	1.1 kVA		MAT ROOM	3/4"	#12	2#12	1	20 A	8	E		
E	9	20 A	1	2#12	#12	3/4"	MAT ROOM		1.1 kVA	1.3 kVA	CORRIDOR RECEIPT	3/4"	#12	2#12	1	20 A	10	E		
E	11	20 A	1	2#12	#12	3/4"	HALLWAY RECEIPT			0.5 kVA	1.1 kVA	LOBBY RECEIPT	3/4"	#12	2#12	1	20 A	12	E	
G	13	20 A	1	2#12	#12	3/4"	ELECTRIC WATER COOLER	0.2 kVA	0.7 kVA		OFFICE RECEIPT	3/4"	#12	2#12	1	20 A	14	E		
G	15	20 A	1	2#12	#12	3/4"	ELECTRIC WATER COOLER		0.2 kVA	1.1 kVA	WOMEN'S RR RECEIPT	3/4"	#12	2#12	1	20 A	16	E		
E	17	20 A	1	2#12	#12	3/4"	WOMEN'S RR RECEIPT			0.9 kVA	0.3 kVA	TV	3/4"	#12	2#12	1	20 A	18	E	
E	19	20 A	1	2#12	#12	3/4"	STORAGE RECEIPT	0.5 kVA	0.2 kVA		TV	3/4"	#12	2#12	1	20 A	20	E		
E	21	20 A	1	2#12	#12	3/4"	CORRIDOR RECEIPT		0.9 kVA	0.0 kVA	TV	3/4"	#12	2#12	1	20 A	22	E		
E	23	20 A	1	2#12	#12	3/4"	JANITOR RECEIPT			0.2 kVA	0.3 kVA	TV	3/4"	#12	2#12	1	20 A	24	E	
--	25	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.2 kVA		EXISTING BREAKER	--	--	--	1	20 A	26	--		
--	27	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.3 kVA						1	20 A	28	--
--	29	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	30	--
--	31	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	32	--		
--	33	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	34	--
--	35	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	36	--
--	37	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	38	--		
--	39	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	40	--
--	41	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	42	--
--	43	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	44	--		
--	45	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	46	--
--	47	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	48	--
--	49	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	50	--		
--	51	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	52	--
--	53	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	54	--
--	55	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	56	--		
--	57	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	58	--
--	59	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	60	--
--	61	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	62	--		
--	63	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	64	--
--	65	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	66	--
--	67	30 A	2	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	68	--		
--	69	--	--	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	70	--
--	71	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	72	--
--	73	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	74	--		
--	75	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	76	--
--	77	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA						1	20 A	78	--
--	79	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	80	--		
--	81	20 A	2	--	--	--	EXISTING BREAKER			0.0 kVA	--						--	--	82	--
--	83	--	--	--	--	--	EXISTING FIRE ALARM			0.0 kVA	0.0 kVA									



Dept of Buildings and Grounds
Architectural Services Division
1100 Laurel Street, Rm. 227
Baton Rouge, LA 70802
p. (225) 389-4694
f. (225)389-4704



SEAL: 09/19/2024

Existing Branch Panel: LS6

Location: **Volts: 480/277 Wye** **A.I.C. Rating: 10,000**
 Supply From: **Phases: 3** **Mains Rating: 100 A**
 Mounting: SURFACE **Wires: 4** **MLO Rating: 100 A**
 Enclosure: NEMA-1
 Number of Sections: 1

Panel Schedule Notes:
PROVIDE NEW BREAKERS UNLESS OTHERWISE NOTED.

AB R	CK T	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A	B	C	Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CK T	AB R	
--	1	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	2	--	
--	3	20 A	1	--	--	--	EXISTING BREAKER		0.0 kVA	0.0 kVA	EXISTING BREAKER	--	--	--	1	20 A	4	--	
--	5	20 A	1	--	--	--	EXISTING BREAKER			0.0 kVA	0.0 kVA	EXISTING BREAKER	--	--	--	1	20 A	6	--
--	7	20 A	1	--	--	--	EXISTING BREAKER	0.0 kVA	0.0 kVA		EXISTING BREAKER	--	--	--	1	20 A	8	--	
--	9	20 A	1	--	--	--	EXISTING BREAKER		0.0 kVA	0.0 kVA	EXISTING BREAKER	--	--	--	1	20 A	10	--	
11	20 A	1	2#12	#12	3/4"		LIGHTING			1.7 kVA	0.0 kVA	EXISTING BREAKER	--	--	--	1	20 A	12	--
13	20 A	1	2#12	#12	3/4"		LIGHTING	1.7 kVA	1.7 kVA		LIGHTING	3/4"	#12	2#12	1	20 A	14		
15	20 A	1	2#12	#12	3/4"		LIGHTING		1.7 kVA	1.7 kVA	LIGHTING	3/4"	#12	2#12	1	20 A	16		
--	17	--	1	--	--	--	SPACE			--	1.7 kVA	LIGHTING	3/4"	#12	2#12	1	20 A	18	
								3300 VA	3300 VA	3300 VA									
								12 A	12 A	12 A									

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	9900 VA	125.00%	12375 VA	
				Total Conn. Load: 9900 VA
				Total Est. Demand: 12375 VA
				Total Conn.: 12 A
				Total Est. Demand: 15 A

Load Summary Notes:

Branch Panel: CP-L6

Location: **Volts: 120/208 Wye** **A.I.C. Rating: 10,000**
 Supply From: **Phases: 3** **Mains Rating: 60 A**
 Mounting: SURFACE **Wires: 4** **MCB Rating: 60 A**
 Enclosure: NEMA-1
 Number of Sections: 1

Panel Schedule Notes:
G- GFCI BREAKER

AB R	CK T	TRIP	POLES	WIRE	GND	CONDUIT	Circuit Description	A	B	C	Circuit Description	CONDUIT	GND	WIRE	POLES	TRIP	CK T	AB R
1	20 A	1	2#12	#12	3/4"		LIGHTING 104	1.6 kVA	1.6 kVA		LIGHTING 105	3/4"	#12	2#12	1	20 A	2	
3	20 A	1	2#12	#12	3/4"		CLASSROOM RECEP		0.9 kVA	0.5 kVA	CLASSROOM RECEP	3/4"	#12	2#12	1	20 A	4	
5	20 A	1	2#12	#12	3/4"		CLASSROOM RECEP			0.7 kVA	0.7 kVA	CLASSROOM RECEP	3/4"	#12	2#12	1	20 A	6
7	20 A	1	2#12	#12	3/4"		CLASSROOM RECEP	0.9 kVA	0.5 kVA		CLASSROOM RECEP	3/4"	#12	2#12	1	20 A	8	
9	20 A	1	2#12	#12	3/4"		AUDITORIUM RECPEP			1.1 kVA	0.8 kVA	(G) FRIDGE	3/4"	#12	2#12	1	20 A	10
11	20 A	1	2#12	#12	3/4"		(G) FRIDGE			0.8 kVA	0.2 kVA	KITCHEN APPLIANCE	3/4"	#12	2#12	1	20 A	12
13	20 A	1	2#12	#12	3/4"		BREAK AREA RECEP	1.2 kVA	4.0 kVA		RANGE	3/4"	#10	3#8	2	50 A	14	
15	20 A	1	2#12	#12	3/4"		KITCHEN APPLIANCE		0.2 kVA	4.0 kVA	--	--	--	--	--	--	16	--
--	17	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	18
--	19	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA		SPARE	--	--	--	1	20 A	20	--
--	21	20 A	1	--	--	--	SPARE		0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	22	--
--	23	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	24
--	25	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA		SPARE	--	--	--	1	20 A	26	--
--	27	20 A	1	--	--	--	SPARE		0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	28	--
--	29	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	30
--	31	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA		SPARE	--	--	--	1	20 A	32	--
--	33	20 A	1	--	--	--	SPARE		0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	34	--
--	35	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	36
--	37	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA		SPD	--	--	--	3	30 A	38	--
--	39	20 A	1	--	--	--	SPARE		0.0 kVA	0.0 kVA	--	--	--	--	--	--	40	--
--	41	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA	--	--	--	--	--	42	--
								9820 VA	7500 VA	2420 VA								
								88 A	69 A	20 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment - Non-Dwelling Unit	9600 VA	99.17%	9520 VA	
Other	0 VA	0.00%	0 VA	Total Conn. Load: 19740 VA
Receptacle	5940 VA	100.00%	5940 VA	Total Est. Demand: 20460 VA
Lighting	3200 VA	125.00%	4000 VA	Total Conn.: 55 A
Miscellaneous	1000 VA	100.00%	1000 VA	Total Est. Demand: 57 A

Load Summary Notes:

BRPD Training Academy Renovations
 9000 Airline Hwy., Baton Rouge, LA 70815

THOMPSON LUKE & ASSOCIATES, L.L.C.
 10705 Rieger Road., STE 101
 BATON ROUGE, LA 70809
 (225)293-9474 TLA PROJECT # 22-163
 Frank Saville Thompson - License No. 28854
 Landon David Burns - License No. 46484

REVISION: _____

 CHK: LB DRAWN: SC
 FILE NAME: _____
 DATE: 21, Feb. 2024
 TITLE: _____
 SCHEDULES CONT.

E4.2