STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

LATHAN ARCHITECTS

300 CHASE PARK SOUTH • SUITE 200 • HOOVER, ALABAMA 35244
205-988-9112

ADDENDUM NO. 2
ELEMENTARY ADDITION TO SUMTER CENTRAL HIGH SCHOOL
Architect Job No. 24-38
July 29, 2024
DCM # 20240619

BIDS DUE:
Thursday, August 1, 2024, until
2:00 p.m., local time,
at the Alabama Department of Education:
Birmingham Office,
1800 International Park Drive,
Suite 400
Birmingham, AL 35243

The Plans and Specifications are here by amended. The following supersedes all contrary and/or conflicting information and is made part of the contract documents.

GENERAL

1. The **Proposal Form Attachment – Unit Prices** has been revised, the attached is to be used in lieu of any previous version.

SPECIFICATIONS

1. Add the attached **Section 08710 – Door Hardware** in its entirety.

DRAWINGS

1. Sheet A1.0 revised Architectural Master Plan, see attached.
2. Sheet A1.1 revised Site Details, see attached.
3. Sheet A2.1 revised Partial Floor Plan – Area A, see attached.
4. Sheet A2.2 revised Partial Floor Plan – Area B, see attached.
5. Sheet A2.3 revised Partial Floor Plan – Area C, see attached.
6. Sheet A2.4 revised Roof Plan, see attached.

7. Sheet A3.1 revised Building Sections, see attached.

8. Sheet A3.2 revised Wall Sections, see attached.

9. Sheet A3.3 revised Wall Sections, see attached.

10. Sheet A6.1 revised Interior Elevations, see attached.

11. Sheet A6.2 revised Millwork Details, see attached.

12. Sheet A7.1 revised Partial Reflected Ceiling Plan – Area A, see attached.

13. Sheet A7.2 revised Partial Reflected Ceiling Plan – Area B, see attached.

14. Sheet A7.3 revised Partial Reflected Ceiling Plan – Area C, see attached.

15. Sheet A8.1 revised Partial Finish Floor Plan – Area A, see attached.

16. Sheet A8.2 revised Partial Finish Floor Plan – Area B, see attached.

17. Sheet A8.3 revised Partial Finish Floor Plan – Area C, see attached.

18. Sheet A9.0 revised Signage Plan, see attached.

19. Sheet A10.0 revised Gym Floor Plan & Elevations, see attached.

20. Sheet A10.1 revised Gym Floor Plan & Elevations, see attached.

21. sheet A10.2 revised Gym Enlarged Toilet Plans and Elevations, see attached.

22. Sheet A10.3 revised Gym Reflecting Ceiling Plan and Finish Floor Plan, Legends and Schedules, see attached.

23. Sheet S2.0 – New section added and new section cuts at front entry with other revisions. Plan note regarding floor drains has been removed, see attached.

24. Sheet S2.2 – Plan notes regarding floor drains & protective cover walkway have been removed, see attached.

25. Sheet S2.3 – Plan note at front entry has been removed, see attached.

26. Sheet S3.1 – Additional note added to Section 1/S3.1. CMU wall & CFS framing revisions were made to Section 6/S3.1. CFS framing sizes have been updated in Sections 6,7, & 8 on S3.1, see attached.

27. Sheet S10.1 – A contractor note regarding the X-braces has been added. Contractor is to coordinate as noted, see attached.

28. Sheet C2.0 – Added 8’ x 8’ concrete pads at entry to future playground area; added chain link fence around mechanical area north of gym; revised drop-off curb and sidewalk at entry of building; removed canopy at east end of building; added generator pad enclosure; added transformer pad location, see attached.

29. Sheet C3.0 – Revised grading per layout changes, see attached.

30. Sheet C5.0 – Added transformer pad location; corrected label for generator pad; revised water line routing at generator pad, see attached.

31. Sheet M0.1 revised Mechanical Legend and Schedules, see attached.

32. Sheet M0.4 revised Mechanical Details, see attached.

33. Sheet M.1 revised Mechanical – Floor Plan – Part B, see attached.

34. Sheet E0.2 revised Electrical Luminaire Schedule and Details, see attached.

35. Sheet E0.5 revised Electrical Riser Diagram, see attached.

36. Sheet E0.6 revised Electrical Panelboard Schedules, see attached.

37. Sheet E1.0 revised Electrical Site Plan, see attached.

38. Sheet E2.1 revised Lighting – Floor Plan – Part B, see attached.

39. Sheet E3.0 revised Power and Voice/Data – Floor Plan – Part A, see attached.

CLARIFICATIONS

1. Sign Type C on the Life Safety Plan and Sign Type G on the interior signage plan are the same sign. Each area where these signs are indicated will have two clear frames for owner-provided signs.

2. Exterior building letters shall be cast aluminum.

3. The building plaque (Sign Type K) shall be cast aluminum.

4. Shelter Restroom Signage shall be provided by the shelter manufacturer, GC to verify.

5. Any notations for Storage A115 should be disregarded, storage A115 does not exist.

6. The vertical metal wall panels on the alternate gymnasium building are to match the vertical metal wall panels on the base bid classroom building. See Specification Section 07410 – Metal Wall Panels for product information.

7. Roof plan: Where a roof slope is required, but the structural members below are not sloped, provide tapered insulation to create the required roof slope for positive drainage.

8. The water meter and backflow preventer vaults shall be pre-cast concrete vaults of ample size to meet the minimum clearance requirements of the meter and backflow preventer assemblies. The water meter and backflow preventer shall meet the requirements of the local water authority.

PROPOSAL FORM ATTACHMENT

UNIT PRICES

For certain items of **credit or extra work**, if required, the undersigned proposes UNIT PRICES as follows:

EARTH EXCAVATION	General	$_____/per cu.yd.
	In Trenches	$_____/per cu. yd.
EARTH FILL	General	$_____/per cu. yd.
UNDERCUTTING AND REPLACEMENT OF UNSUITABLE SOILS		$_____/per cu. yd.
LEAN CONCRETE		$_____/per cu. yd.

Note: All grading shown on the drawings shall be included in the Base Bid as Unclassified to required subgrade elevations. This Base Bid grading shall include the required cutting and filling of the existing grade to the proposed subgrade elevation. Unit pricing for undercutting and replacement of unsuitable soils shall be used for addition or deletion from the quantity allowances listed in specification section 02300. Onsite Geotechnical engineer shall determine if unsuitable soils are present.

Refer to SECTION 02300 - EARTHWORK for additional information.

Note: Costs for profit and overhead shall be included in Unit Prices.

Note: Unit Prices are provided for the addition to or deletion from the contract Base Bid.

BIDDER (to be signed by an Officer of the Company)

_____ by_____
(Name/Title) (Legal Signature)

WITNESS (to the above signature)

_____ by_____
(Name/Title) (Legal Signature)

SECTION 08710 – DOOR HARDWARE

1.0 - GENERAL

1.1 Related Documents

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 Summary

A. This Section includes items known commercially as finish or door hardware that are required for swing, sliding, and folding doors, except special types of unique hardware specified in the same sections as the doors and door frames on which they are installed.

B. This Section includes the following:
   1. Continuous hinges
   2. Key control system
   3. Lock cylinders and keys
   4. Lock and latch sets
   5. Closers
   6. Protection plates
   7. Weatherstripping for exterior doors
   8. Thresholds

C. Related Sections: The following Sections contain requirements that relate to the following sections.
   1. Section 08110: Hollow Metal Doors and Frames

D. Products furnished but not installed under this Section to include:
   1. Cylinders for locks on entrance doors.
   2. Final replacement cores and keys to be installed by Owner.

1.3 References

A. Standards of the following as referenced:
   1. American National Standards Institute (ANSI)
   2. Door and Hardware Institute (DHI)
   3. Factory Mutual (FM)
   4. National Fire Protection Association (NFPA)
   5. Underwriters' Laboratories, Inc. (UL)
      a. UL 10C - Fire Tests Door Assemblies
   6. Warnock Hersey

B. Regulatory standards of the following as referenced:
   1. Department of Justice, Office of the Attorney General, *Americans with Disabilities Act*, Public Law 101-336 (ADA).
   2. CABO/ANSI A117.1: *Providing Accessibility and Usability for Physically Handicapped People*, 2010 edition.

1.4 Submittals

A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification sections.

B. Product data including manufacturers' technical product data for each item of door

hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements. For items other than those scheduled in the “Headings” of Section 3, provide catalog information for the specified items and for those submitted.

C. Final hardware schedule coordinated with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
   1. Final Hardware Schedule Content: Based on hardware indicated, organize schedule into vertical format “hardware sets" indicating complete designations of every item required for each door or opening. Use specification heading numbers with any variations suffixed a, b, etc. Include the following information:
      a. Type, style, function, size, and finish of each hardware item.
      b. Name and manufacturer of each item.
      c. Fastenings and other pertinent information.
      d. Location of each hardware set cross-referenced to indications on Drawings both on floor plans and in door and frame schedule.
      e. Explanation of all abbreviations, symbols, and codes contained in schedule.
      f. Mounting locations for hardware.
      g. Door and frame sizes and materials.
      h. Keying information.
      i. Cross-reference numbers used within schedule deviating from those specified.
         1) Column 1: State specified item and manufacturer.
         2) Column 2: State prior approved substituted item and its manufacturer.
   2. Submittal Sequence: Submit final schedule at earliest possible date particularly where acceptance of hardware schedule must precede fabrication of other work that is critical in the Project construction schedule. Include with schedule the product data, samples, shop drawings of other work affected by door hardware, and other information essential to the coordinated review of schedule.
   3. Keying Schedule: Submit separate detailed schedule indicating clearly how the Owner's final instructions on keying of locks has been fulfilled.

D. Provide samples if requested of each type of exposed hardware unit in finish indicated and tagged with full description for coordination with schedule. Submit samples prior to submission of final hardware schedule.
   1. Samples will be returned to the supplier. Units that are acceptable and remain undamaged through submittal, review, and field comparison process may, after final check of operation, be incorporated in the Work, within limitations of keying coordination requirements.

E. Templates for doors, frames, and other work specified to be factory prepared for the installation of door hardware. Check shop drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

F. Contract closeout submittals:
   1. Operation and maintenance data: Complete information for installed door hardware.
   2. Warranty: Completed and executed warranty forms.

1.5 Quality Assurance

A. Single Source Responsibility: Obtain each type of hardware (latch and locksets, hinges, closers, etc.) from a single manufacturer.

1. Supplier Qualifications: A recognized architectural door hardware supplier, with warehousing facilities in the Project's vicinity, that has a record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that employs an experienced Architectural Hardware Consultant (AHC) who is available for consultation to Owner, Architect, and Contractor, at reasonable times during the course of the Work.

B. Coordination Meetings:

1. Contractor to set up and attend the following:

a. Lock distributor to meet with the Owner to finalize lock functions and keying requirements and to obtain final instructions in writing.

b. Lock distributor and lock, closer and exit device manufacturer to meet with the installer prior to beginning of installation of door hardware. Instruct installer on proper installation of specified products.

C. Fire-Rated Openings: Provide door hardware for fire-rated openings that complies with NFPA Standard No. 80 requirements of authorities having jurisdiction.

1. Provide only items of door hardware that are listed and tested by UL or Warnock Hersey for given type/size opening and degree of label. Provide proper latching hardware, door closers, approved-bearing hinges and seals whether listed in the Hardware Schedule or not. All hardware to comply with State and local codes and UL 10C.

2. Where emergency exit devices are required on fire-rated doors, (with supplementary marking on doors' UL labels indicating "Fire Door to be equipped with Fire Exit Hardware") provide UL label on exit devices indicating "Fire Exit Hardware".

D. All hardware is to comply with Federal and State Handicap laws.

E. Substitutions: Request for substitutions of items of hardware other than those listed as "acceptable and approved" shall be made to the architect in writing no later than fourteen (14) days prior to bid opening. Approval of substitutions will only be given in writing by Addenda. Requests for substitutions shall be accompanied by samples and/or detailed information for each manufacturer of each product showing design, functions, material thickness and any other pertinent information needed to compare your product with that specified. Lack of this information will result in a refusal.

1.6 Product Handling

A. Tag each item or package separately with identification related to final hardware schedule, and include basic installation instructions with each item or package.

B. Packaging of door hardware is responsibility of supplier. As material is received by hardware supplier from various manufacturers, sort and repackage in containers clearly marked with appropriate hardware set number to match set numbers of approved hardware schedule. Two or more identical sets may be packed in same container.

C. Inventory door hardware jointly with representatives of hardware supplier and hardware installer until each is satisfied that count is correct.

D. Deliver individually packaged door hardware items promptly to place of installation

(shop or Project site).

E. Provide secure lock-up for door hardware delivered to the Project, but not yet installed. Control handling and installation of hardware items that are not immediately replaceable so that completion of the Work will not be delayed by hardware losses both before and after installation.

1.7 Warranty

A. Special warranties:

1. Door Closers: Thirty year period
2. Locks and Cylinders: Three year period

1.8 Maintenance

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions that are packed in hardware items for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

2.0 - PRODUCTS

2.1 Manufactured Units

(*Denotes preferred manufacturer)

A. Continuous Hinges:

1. Acceptable manufacturers:
   a. Ives*
   b. Select Products
   c. Markar
2. Characteristics:
   a. Continuous gear hinges to be manufactured of extruded 6063-T6 aluminum alloy with anodized finish, or factory painted finish as scheduled.
   b. All hinges are to be manufactured to template. Uncut hinges to be non-handed and to be a pinless assembly of three interlocking extrusions applied to the full height of the door and frame without mortising.
   c. Vertical door loads to be carried on chemically lubricated polyacetal thrust bearings. The door and frame leaves to be continually geared together for the entire hinge length and secured with a full cover channel. Hinge to operate to a full 180°.
   d. Hinges to be milled, anodized and assembled in matching pairs. Fasteners supplied to be steel self-drilling, self-tapping 12-24 x ¾" screws.
   e. Provide UL listed continuous hinges at fire doors. Continuous hinges at fire doors (suffix -FR) to meet the required ratings without the use of auxiliary fused pins or studs.

B. Cylinders:

1. Acceptable manufacturers:
   a. Match existing keying system or establish new keying system per owner direction
2. Characteristics:
   a. Existing System: Grandmaster key the locks to the Owner's existing system, with a new master key for the Project.
   b. Review the keying system with the Owner and provide the type required (master, grandmaster or great-grandmaster), either new

or integrated into Owner’s existing system.

c. Metals: Construct lock cylinder parts from brass or bronze, stainless steel, or nickel silver.

d. Comply with Owner's instructions for master keying and, except as otherwise indicated, provide individual change key for each lock that is not designated to be keyed alike with a group of related locks.

1) Permanently inscribe each key with number of lock that identifies cylinder manufacturer's key symbol, and notation, “DO NOT DUPLICATE”.

e. Key Material: Provide keys of nickel silver only.

f. Key Quantity: Furnish (3) change keys for each lock, (5) master keys for each master system, (5) grandmaster keys for each grandmaster system, (10) construction master keys.

1) Furnish one extra blank for each lock.

2) Furnish construction master keys to General Contractor.

3) Deliver keys to Owner.

C. Mortise Locksets and Latchsets: as scheduled.

1. Acceptable manufacturers:

a. Schlage L9000 Series*

b. Falcon MA Series

c. Sargent 8200 Series

2. Required Features:

a. Chassis: Cold-rolled steel, handing field-changeable without disassembly.

b. Latchbolts: 3/4-inch throw stainless steel anti-friction type.

c. Lever Trim: Through-bolted, accessible design, cast or solid rod lever as scheduled. Spindles: Independent break-away.

d. Thumbturns: Accessible design not requiring pinching or twisting motions to operate.

e. Deadbolts: Stainless steel 1-inch throw.

f. Strikes: 16 gage curved stainless steel, bronze or brass with 1" deep box construction, lips of sufficient length to clear trim and protect clothing.

g. Scheduled Lock Series and Design: Schlage L series, 17A design.

h. Certifications:

1) ANSI A156.13, 1994, Grade 1 Operational, Grade 1 Security.

2) ANSI/ASTM F476-84 Grade 30 UL Listed.

D. Closers and Door Control Devices:

1. Acceptable manufacturers:

a. LCN Closers 1460 Series*

b. Sargent 281

c. Corbin Russwin DC800

2. Characteristics:

a. Door closers to have fully hydraulic, full rack and pinion action with a high strength cast iron cylinder.

b. All closers to utilize a stable fluid withstanding temperature range of 120°F to -30°F without seasonal adjustment of closer speed to properly close the door. Closers for fire-rated doors to be provided with temperature stabilizing fluid that complies with standards UBC 7-2 (1997) and UL 10C.

c. Spring power to be continuously adjustable over the full range of

closer sizes, and allow for reduced opening force for the physically handicapped. Spring power adjustment (LCN Fast ™ Power Adjust) allows for quick and accurate power adjustment and visually shows closer power size settings by way of dial adjustment gauge located on closer spring tube. Hydraulic regulation to be by tamper-proof, non-critical valves. Closers to have separate adjustment for latch speed, general speed and back check.

d. All closers to have solid forged steel main arms (and forearms for parallel arm closers) and where specified to have a cast-in solid stop on the closer shoe ("CUSH"). All parallel arm mounted closers to have "EDA" type arms or, where door travel on out-swing doors must be limited, use "CUSH" or "SCUSH" type closers. Auxiliary stops are not required when "CUSH" type closers are used. Provide drop plates where top rail of door is not sufficient for closer mounting. Provide "cush shoe supports" and "blade stop spacers" where dictated by frame details.

e. Surface Door Closers shall be cast iron construction, minimum 1 ½" closer piston diameter, manufactured in USA, to be certified to exceed ten million (10,000,000) full load cycles by a recognized independent testing laboratory and shall have minimum ten year service record in K-12 school environments. Requests for approval for surface door closers shall be accompanied by project references. Approval shall be solely at the architect's discretion. All closers (overhead, surface and concealed) to be of one manufacturer and carry manufacturer's thirty year warranty

a. Access-Free Manual Closers: Where manual closers are indicated for doors required to be accessible to the physically handicapped provide adjustable units complying with ADA and ANSI A-117.1 provisions for door opening force.

b. Closers to be installed to allow door swing as shown on plans. Doors swinging into exit corridors to provide for corridor clear width as required by code. Where possible, mount closers inside rooms.

c. Powder coating finish to be certified to exceed 100 hours salt spray testing by ETL, an independent testing laboratory used by BHMA for ANSI certification.

G. Floor Stops and Wall Bumpers:

1. Acceptable manufacturers:
   a. Ives*
   b. Trimco
   c. Rockwood Manufacturing
2. Characteristics: Refer to Hardware Headings.

H. Protective Plates:

1. Acceptable manufacturers:
   a. Ives*
   b. Trimco
   c. Rockwood Manufacturing
2. Characteristics:
   a. Provide manufacturers standard exposed fasteners for door trim units consisting of either machine screws or self-tapping screws.
   b. Materials:

1) Metal Plates: Stainless Steel, .050 inch (U.S. 18 gage).

c. Fabricate protection plates not more than 2 inches less than door width on push side and not more than 1 inch less than door width on pull side.

d. Heights:

1) Kick plates to be 12 inches in height.

2) Mop plates to be 8 inches in height.

3) Kick plates and Mop plates to be 1” less that bottom rail height where applicable.

I. Thresholds:

1. Acceptable manufacturers:

a. Zero Weatherstripping Co., Inc.*

b. National Guard Products, Inc.

c. Reese Industries

2. Types: Indicated in Hardware Headings.

J. Door Seals/Gasketing:

1. Acceptable manufacturers:

a. Zero Weatherstripping Co., Inc.*

b. National Guard Products, Inc.

c. Reese Industries

2. Types: Indicated in Hardware Headings.

2.2 Materials And Fabrication

A. Manufacturer's Name Plate: Do not use manufacturers' products that have manufacturer's name or trade name displayed in a visible location (omit removable nameplates) except in conjunction with required fire-rated labels and as otherwise acceptable to Architect.

1. Manufacturer's identification will be permitted on rim of lock cylinders only.

B. Base Metals: Produce hardware units of basic metal and forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness, but in no case of lesser (commercially recognized) quality than specified for applicable hardware units by applicable ANSI/BHMA A156 series standards for each type of hardware item and with ANSI/BHMA A156.18 for finish designations indicated. Do not furnish "optional" materials or forming methods for those indicated, except as otherwise specified.

C. Fasteners: Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.

1. Do not provide hardware that has been prepared for self-tapping sheet metal screws, except as specifically indicated.

2. Furnish screws for installation with each hardware item. Provide Phillips flat-head screws except as otherwise indicated. Finish exposed (exposed under any condition) screws to match hardware finish or, if exposed in surfaces of other work, to match finish of this other work as closely as possible including “prepared for paint" surfaces to receive painted finish.

3. Provide concealed fasteners for hardware units that are exposed when door is closed except to the extent no standard units of type specified are available with concealed fasteners.

4. Do not use thru-bolts or sex bolts for installation where bolt head or nut

on opposite face is exposed in other work unless their use is the only means of adequately fastening the hardware, or otherwise found in Headings. Coordinate with wood doors and metal doors and frames. Where thru-bolts are used, provide sleeves for each thru-bolt as a means of reinforcing the work, or use sex screw fasteners.

2.3 Hardware Finishes

A. Match items to the manufacturer's standard color and texture finish for the latch and lock sets (or push-pull units if no latch or lock sets).

B. Provide finishes that match those established by ANSI or, if none established, match the Architect's sample.

C. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware.

D. Provide protective lacquer coating on all exposed hardware finishes of brass, bronze, and aluminum, except as otherwise indicated. The suffix "-NL" is used with standard finish designations to indicate "no lacquer."

E. The designations used to indicate hardware finishes are those listed in ANSI/BHMA A156.18, "Materials and Finishes," including coordination with the traditional U.S. finishes shown by certain manufacturers for their products.
1. Continuous Hinges: 628 (US28) Clear Anodized Aluminum
2. Mortise Locks: 630 (US32D) Satin StainlessSteel
3. Door Closers: 689 Powder Coat Aluminum
4. Protective Plates: 630 (US32D) Satin Stainless Steel
5. Door Stops: 626 (US26D) Satin Chrome Plated Brass/Bronze

3.0 - EXECUTION

3.1 Installation

A. Mount hardware units at heights indicated in following applicable publications, except as specifically indicated or required to comply with governing regulations and except as otherwise directed by Architect.
1. "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute.
2. "Recommended Locations for Builders Hardware for Custom Steel Doors and Frames" by the Door and Hardware Institute.
3. NWWDA Industry Standard I.S.1.7, "Hardware Locations for Wood Flush Doors."

B. Install each hardware item in compliance with the manufacturer's instructions and recommendations. Where cutting and fitting is required to install hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation or application of surface protection with finishing work specified in the Division 9 Sections. Do not install surface-mounted items until finishes have been completed on the substrates involved.

C. Set units level, plumb, and true to line and location. Adjust and reinforce the

attachment substrate as necessary for proper installation and operation.

D. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

E. Set thresholds for exterior doors in full bed of butyl-rubber or polyisobutylene mastic sealant complying with requirements specified in Division 7 Section “Joint Sealers”.

F. Weatherstripping and Seals: Comply with manufacturer's instructions and recommendations to the extent installation requirements are not otherwise indicated.

3.2 ADJUSTING, CLEANING, AND DEMONSTRATING

A. Adjust and check each operating item of hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate freely and smoothly or as intended for the application made.
   1. Where door hardware is installed more than one month prior to acceptance or occupancy of a space or area, return to the installation during the week prior to acceptance or occupancy and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to function properly with final operation of heating and ventilating equipment.

B. Clean adjacent surfaces soiled by hardware installation.

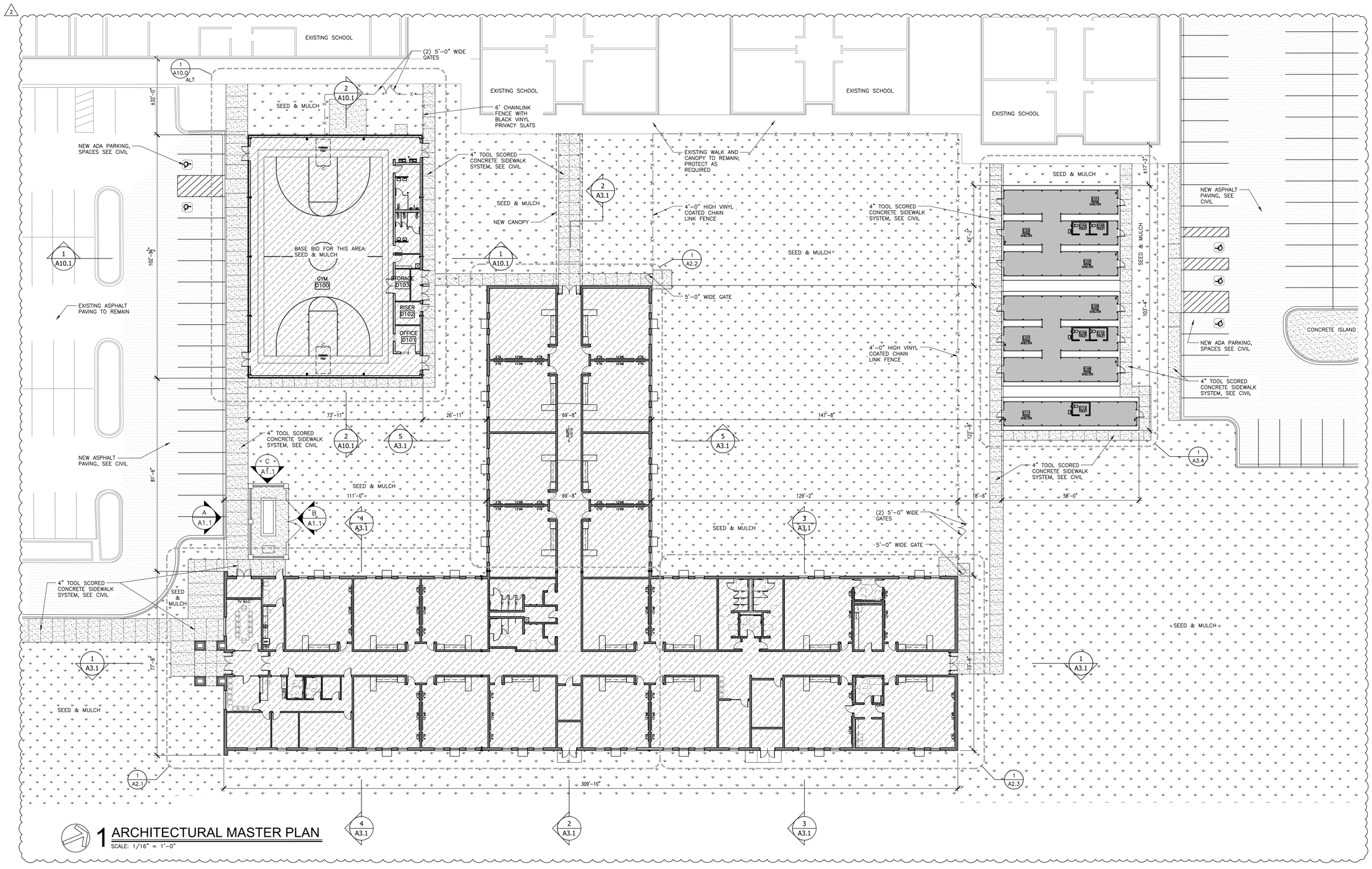
C. Door Hardware Supplier's Field Service:
   1. Inspect door hardware items for correct installation and adjustment after complete installation of door hardware.
   2. Instruct Owner's personnel in the proper adjustment and maintenance of door hardware and hardware finishes.
   3. File written report of this inspection to Architect.

HARDWARE SCHEDULE

END OF SECTION

GENERAL SITE PLAN LEGEND

	NEW BUILDINGS
	NEW ASPHALT PAVING SYSTEM, SEE CIVIL
	NEW CONCRETE PAVING SYSTEM, SEE CIVIL
	NEW SEED & MULCH



1 ARCHITECTURAL MASTER PLAN

SCALE: 1/16" = 1'-0"

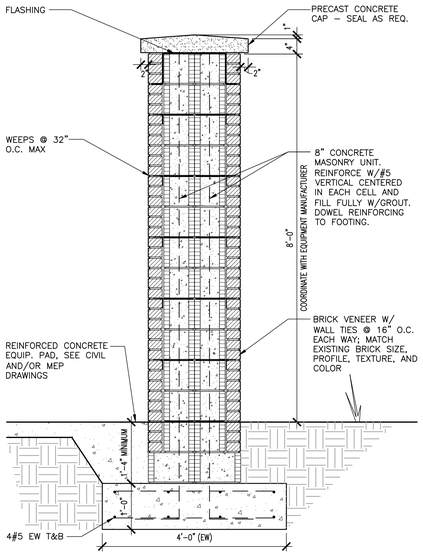
LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

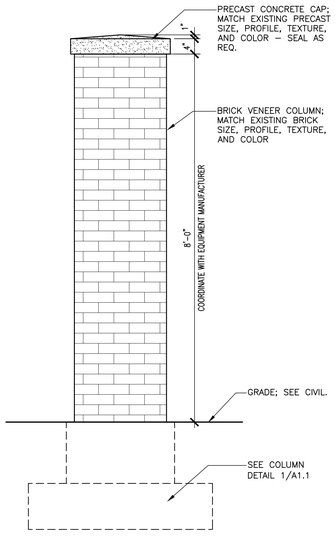
SHEET TITLE:
ARCHITECTURAL MASTER PLAN

PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS
2 07.26.24 ADD #2

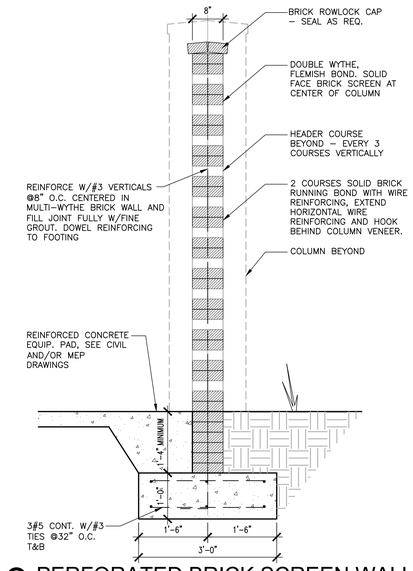
JOB NO. 24-38
SHEET NO:
A1.0
1 OF 27



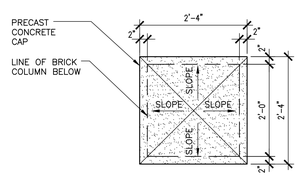
1 COLUMN DETAIL
SCALE: 3/4" = 1'-0"



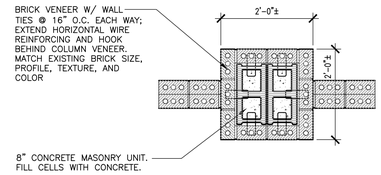
2 COLUMN ELEVATION
3/4"=1'-0"



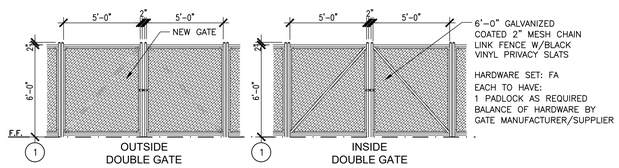
3 PERFORATED BRICK SCREEN WALL
3/4"=1'-0"



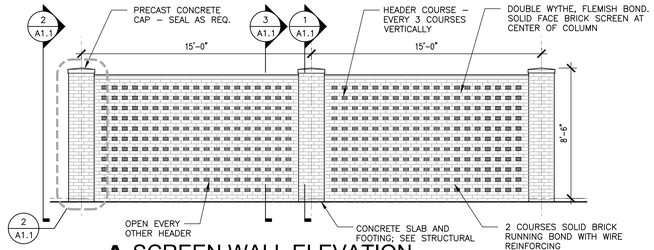
4 PRECAST CAP DETAIL
SCALE: 3/4" = 1'-0"



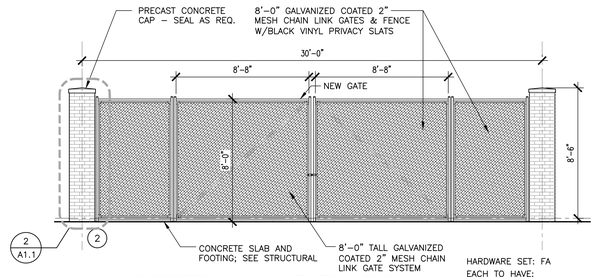
5 COLUMN DETAIL
SCALE: 3/4" = 1'-0"



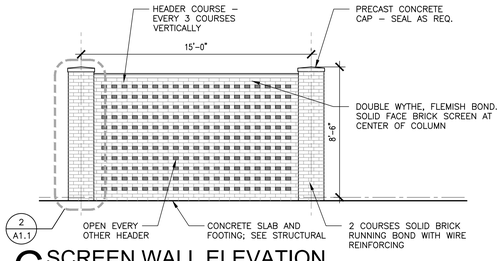
6 GATE ELEVATION
SCALE: 1/4" = 1'-0"



A SCREEN WALL ELEVATION
1/4"=1'-0"



B SCREEN WALL ELEVATION
1/4"=1'-0"



C SCREEN WALL ELEVATION
1/4"=1'-0"

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SITE DETAILS

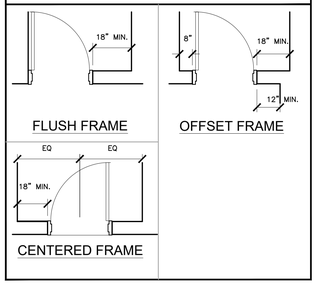
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS
2 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A1.1
1 OF 27

WALL TYPE LEGEND

EXTERIOR WALL	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING, PROVIDE BRICK WALL TIES @ 16" O.C.
CMU WALL	8" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR FIRE RATING.
EX WALL	EXISTING WALL TO REMAIN
SOUND ATTENUATION	SOUND ATTENUATION

DOOR PLACEMENT LEGEND



DOOR FIRE RATING LEGEND

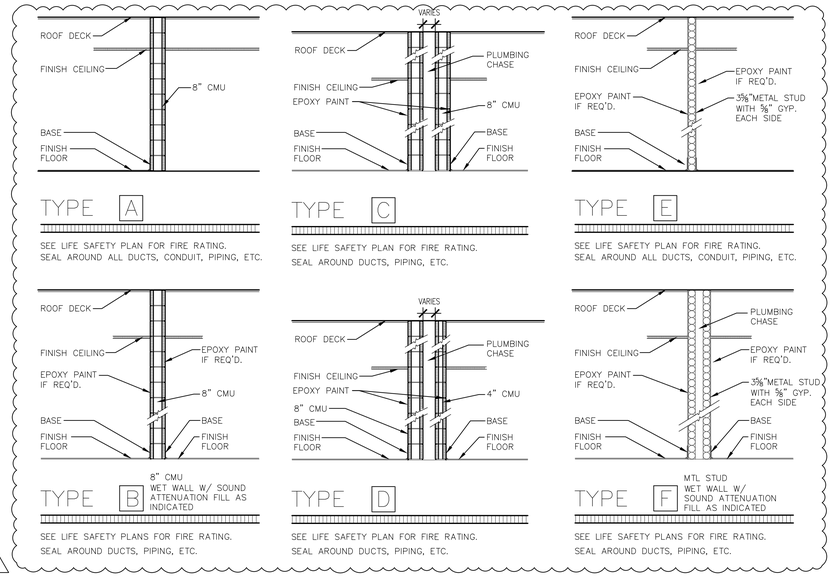
DOOR TYPE	(2)	NO RATING
DOOR TYPE + S	(2S)	SMOKE RATING

GENERAL NOTES

EXTEND & KEY ALL WALLS TO BOTTOM OF ROOF DECK. SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS 2
COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED
SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS
SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS
ALL PLAN DIMENSIONS ARE TO FACE OF CMU AND TO OUTSIDE OF BRICK UNLESS NOTED OTHERWISE
WINDOWS ARE DIMENSIONED TO THE CENTER LINE
SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING
DOWNSPOUTS SHALL BE PROVIDED WITH BOOTS AND 4" DIAMETER LEADER PIPING EXTENDED AND TIED INTO STORM DRAINAGE SYSTEM WHERE INDICATED
SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.

SYMBOLS LEGEND

TC / A	DOOR TYPE, DOOR RATING, HARDWARE SYMBOL, ACCESS CONTROL	TC / A	DOOR TYPE, DOOR RATING, HARDWARE SYMBOL
A / A1.1	ELEV. MARK, SHEET NUMBER	1 / A1.1	SECT. MARK, SHEET NUMBER
	NEW DOOR AND SWING	5 / A5.1	ELEV. MARK, SHEET NUMBER, INT. ELEVATION
EWC	ELECTRIC WATER COOLER	A	WALL PARTITION TYPE - ASSUME TYPE 'A' UNLESS NOTED OTHERWISE
TB	TACK BOARD	A	EXTERIOR WINDOW
MB	MARKER BOARD	1	STOREFRONT
FEC	RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER	A	INTERIOR WINDOW
A200	ROOM NUMBER	FV	FIELD VERIFY
EJ	EXPANSION JOINT		AREA OF CONCRETE
FE	SURFACE MOUNT FIRE EXTINGUISHER	F.D.	FLOOR DRAIN
DS	DOWNSPOUT	CJ	CONTROL JOINT
SB	SPLASHBLOCK		
BT	BOOT		

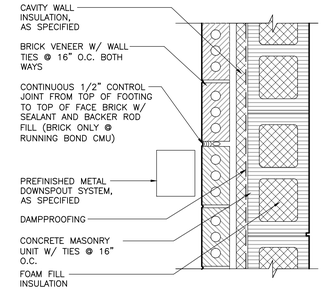


2

PARTITION SCHEDULE

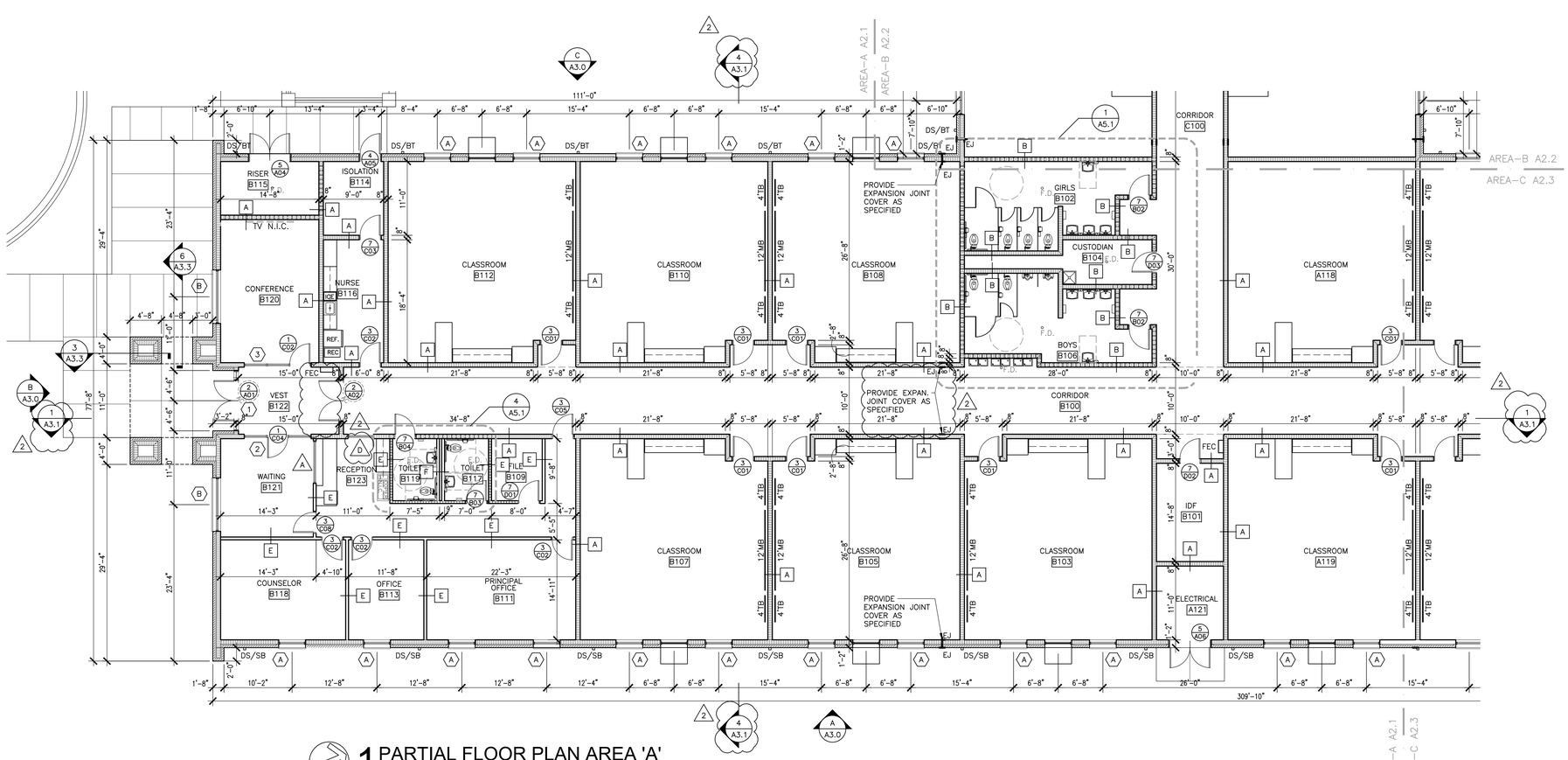
SCALE: NTS

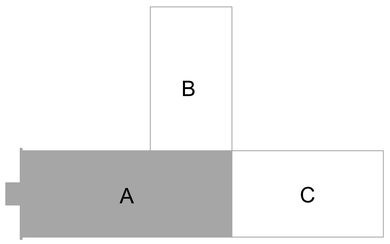
NOTE: SEE LIFE SAFETY PLAN FOR FIRE RATING. PROVIDE FIRE DAMPERS AND SEAL ALL PENETRATIONS WITH FIRE CAULK AS REQUIRED AT RATED PARTITIONS AND BARRIERS. EXTEND ALL CORRIDOR WALLS TO BOTTOM OF STRUCTURE ABOVE AS REQUIRED.



2 CONTROL JOINT DETAIL

SCALE: NTS





KEY PLAN

SCALE: N.T.S.

1 PARTIAL FLOOR PLAN AREA 'A'

SCALE: 1/8" = 1'-0"

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
PARTIAL FLOOR PLAN - AREA A

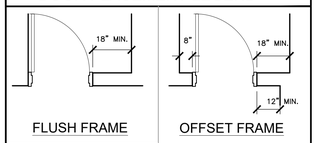
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS
2 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A2.1
2 OF 27

WALL TYPE LEGEND

EXTERIOR WALL	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING, PROVIDE BRICK WALL TIES @ 16" O.C.
CMU WALL	8" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR FIRE RATING.
EX WALL	EXISTING WALL TO REMAIN
SOUND ATTENUATION	SOUND ATTENUATION

DOOR PLACEMENT LEGEND



DOOR FIRE RATING LEGEND

DOOR TYPE	(2)	NO RATING
DOOR TYPE + S	(2S)	SMOKE RATING

GENERAL NOTES

- EXTEND & KEY ALL WALLS TO BOTTOM OF ROOF DECK. SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.
- COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED
- SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS
- SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS
- ALL PLAN DIMENSIONS ARE TO FACE OF CMU AND TO OUTSIDE OF BRICK UNLESS NOTED OTHERWISE
- WINDOWS ARE DIMENSIONED TO THE CENTER LINE
- SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING
- DOWNSPOUTS SHALL BE PROVIDED WITH BOOTS AND 4" DIAMETER LEADER PIPING EXTENDED AND TIED INTO STORM DRAINAGE SYSTEM WHERE INDICATED
- SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.

SYMBOLS LEGEND

TC / A	DOOR TYPE, DOOR RATING, HARDWARE SYMBOL, ACCESS CONTROL	TC / A	DOOR TYPE, DOOR RATING, HARDWARE SYMBOL
A / A1.1	ELEV. MARK, SHEET NUMBER	1 / A1.1	SECT. MARK, SHEET NUMBER
	NEW DOOR AND SWING	5 / A5.1	ELEV. MARK, SHEET NUMBER, INT. ELEVATION
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MB	MARKER BOARD	1	STOREFRONT
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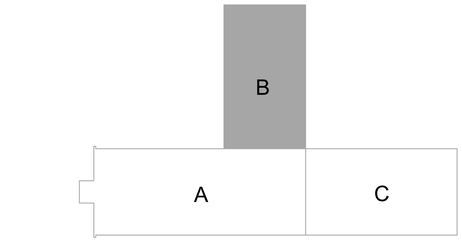
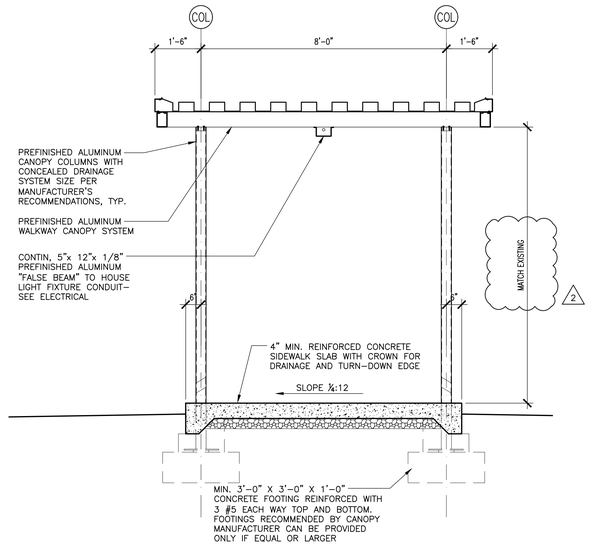
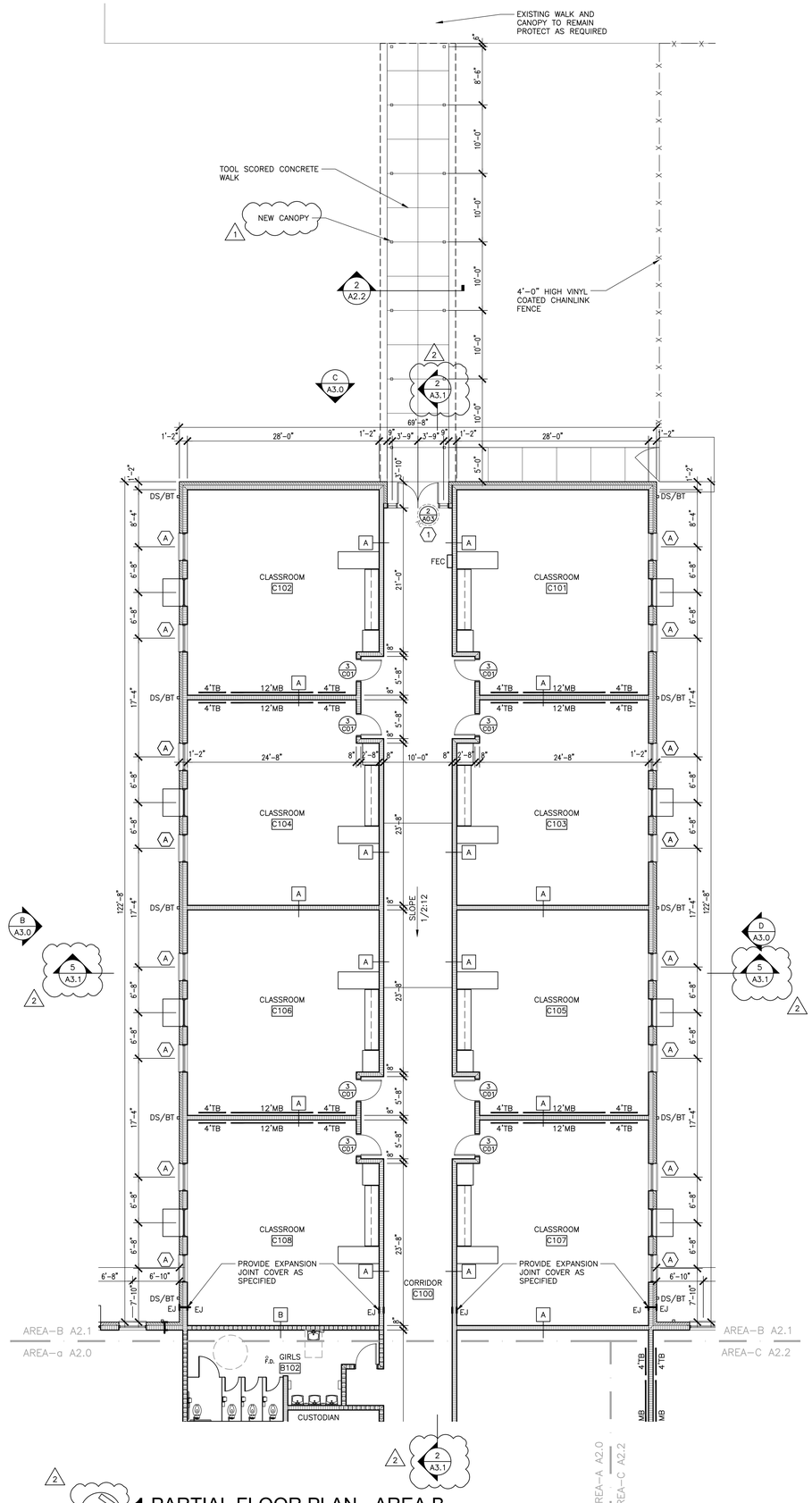
A200	ROOM NUMBER	FV	FIELD VERIFY
EJ	EXPANSION JOINT		AREA OF CONCRETE
FE	SURFACE MOUNT FIRE EXTINGUISHER	F.D.	FLOOR DRAIN
DS	DOWNSPOUT	CJ	CONTROL JOINT
SB	SPLASHBLOCK		
BT	BOOT		



KEY PLAN
SCALE: N.T.S.



2 CONNECTOR CANOPY SECTION
SCALE: 1/2" = 1'-0"



1 PARTIAL FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
PARTIAL FLOOR PLAN - AREA B

PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS

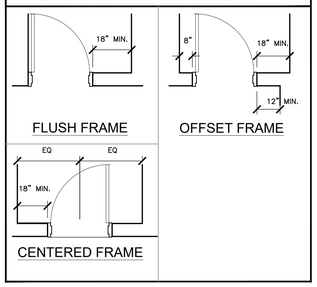
1	07.17.24	ADD #1
2	07.26.24	ADD #2

JOB NO. 24-38
SHEET NO:
A2.2
OF

WALL TYPE LEGEND

EXTERIOR WALL	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING, PROVIDE BRICK WALL TIES @ 16" O.C.
CMU WALL	8" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR FIRE RATING.
EX WALL	EXISTING WALL TO REMAIN
SOUND ATTENUATION	SOUND ATTENUATION

DOOR PLACEMENT LEGEND



DOOR FIRE RATING LEGEND

DOOR TYPE	(2)	NO RATING
DOOR TYPE + S	(2S)	SMOKE RATING

GENERAL NOTES

- EXTEND & KEY ALL WALLS TO BOTTOM OF ROOF DECK. SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.
- COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED
- SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS
- SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS
- ALL PLAN DIMENSIONS ARE TO FACE OF CMU AND TO OUTSIDE OF BRICK UNLESS NOTED OTHERWISE
- WINDOWS ARE DIMENSIONED TO THE CENTER LINE
- SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING
- DOWNSPOUTS SHALL BE PROVIDED WITH BOOTS AND 4" DIAMETER LEADER PIPING EXTENDED AND TIED INTO STORM DRAINAGE SYSTEM WHERE INDICATED
- SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.

SYMBOLS LEGEND

TC / A	DOOR TYPE, DOOR RATING, HARDWARE SYMBOL, ACCESS CONTROL	TC / A	DOOR TYPE, DOOR RATING, HARDWARE SYMBOL
A / A1.1	ELEV. MARK, SHEET NUMBER	1 / A1.1	SECT. MARK, SHEET NUMBER
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EWC	ELECTRIC WATER COOLER	A	WALL PARTITION TYPE - ASSUME TYPE 'A' UNLESS NOTED OTHERWISE
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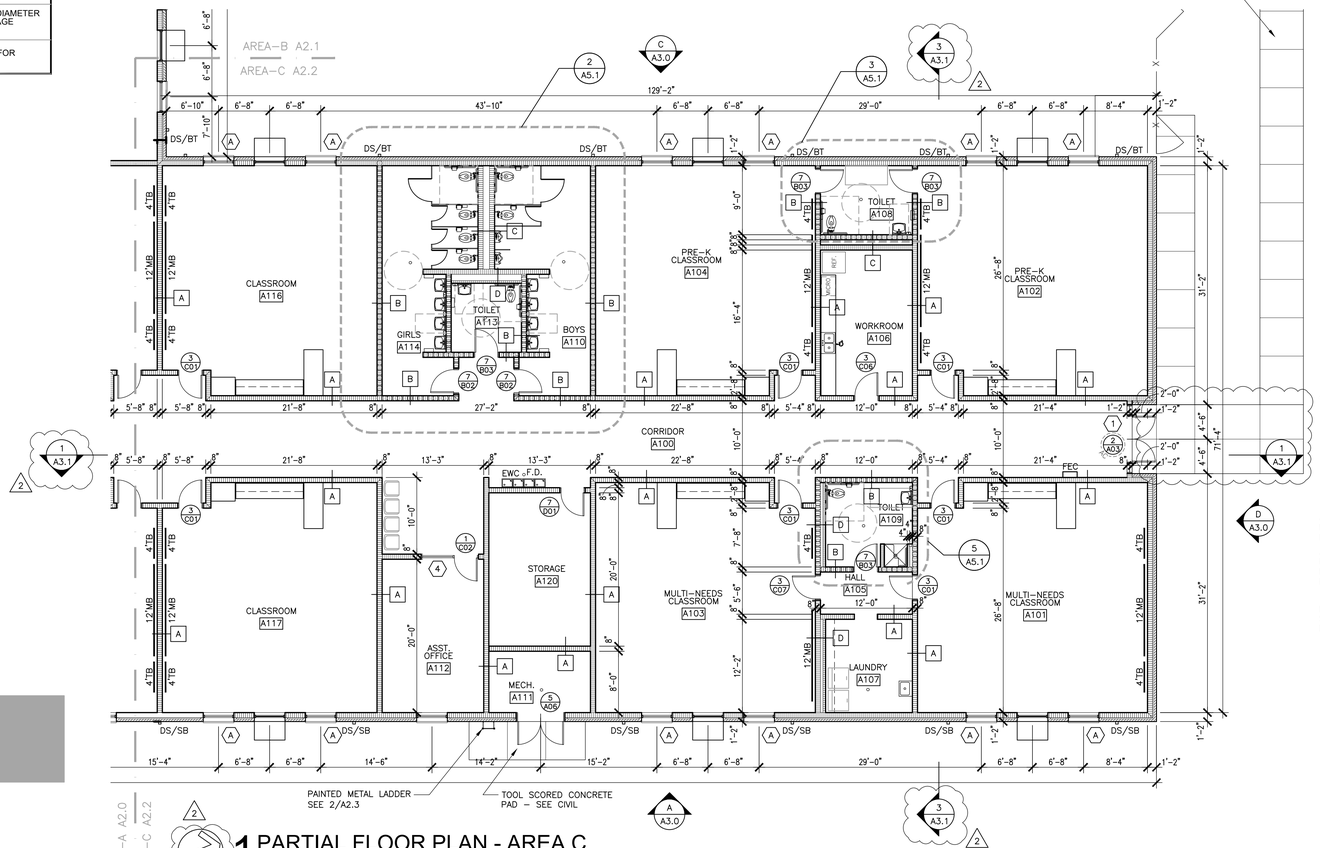
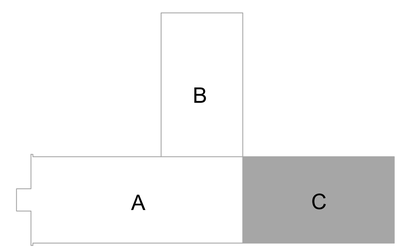
A200	ROOM NUMBER	FV	FIELD VERIFY
EJ	EXPANSION JOINT		AREA OF CONCRETE
FE	SURFACE MOUNT FIRE EXTINGUISHER	F.D.	FLOOR DRAIN
DS	DOWNSPOUT	CJ	CONTROL JOINT
SB	SPLASHBLOCK		
BT	BOOT		

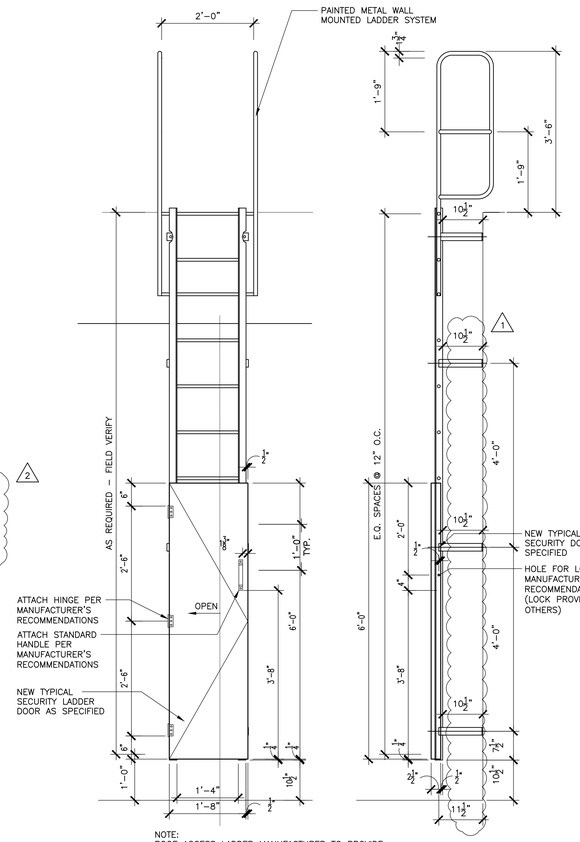




KEY PLAN
SCALE: N.T.S.

AREA–A A2.0
AREA–C A2.2

1 PARTIAL FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"



NOTE:
ROOF ACCESS LADDER MANUFACTURER TO PROVIDE CONNECTION TO STRUCTURE. DO NOT ANCHOR LADDER TO METAL PANEL SYSTEM OR BRICK VENEER. ANCHOR LADDER INTO LOAD–BEARING MASONRY WALL WITH THREADED RODS IN PIPE SLEEVES.

2 ROOF ACCESS LADDER
SCALE: 3/4" = 1'-0"

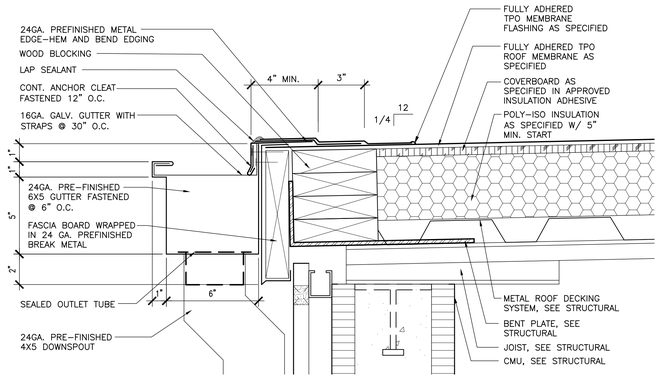
LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
PARTIAL FLOOR PLAN - AREA C

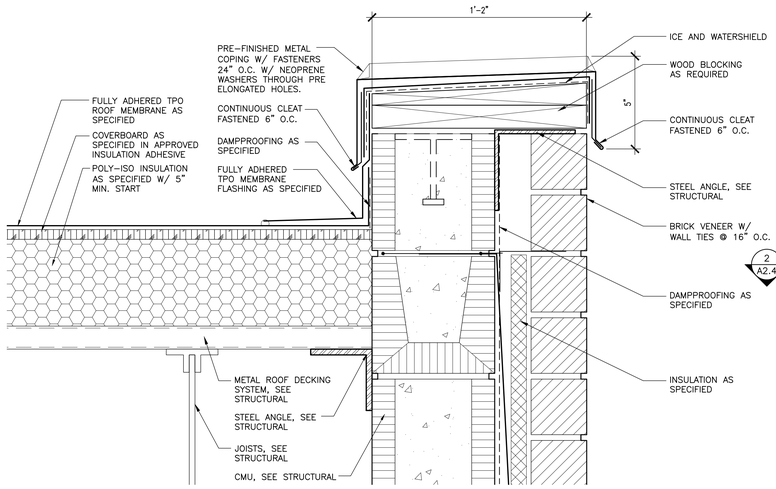
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS
1 07.24 ADD #2
2 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A2.3
OF



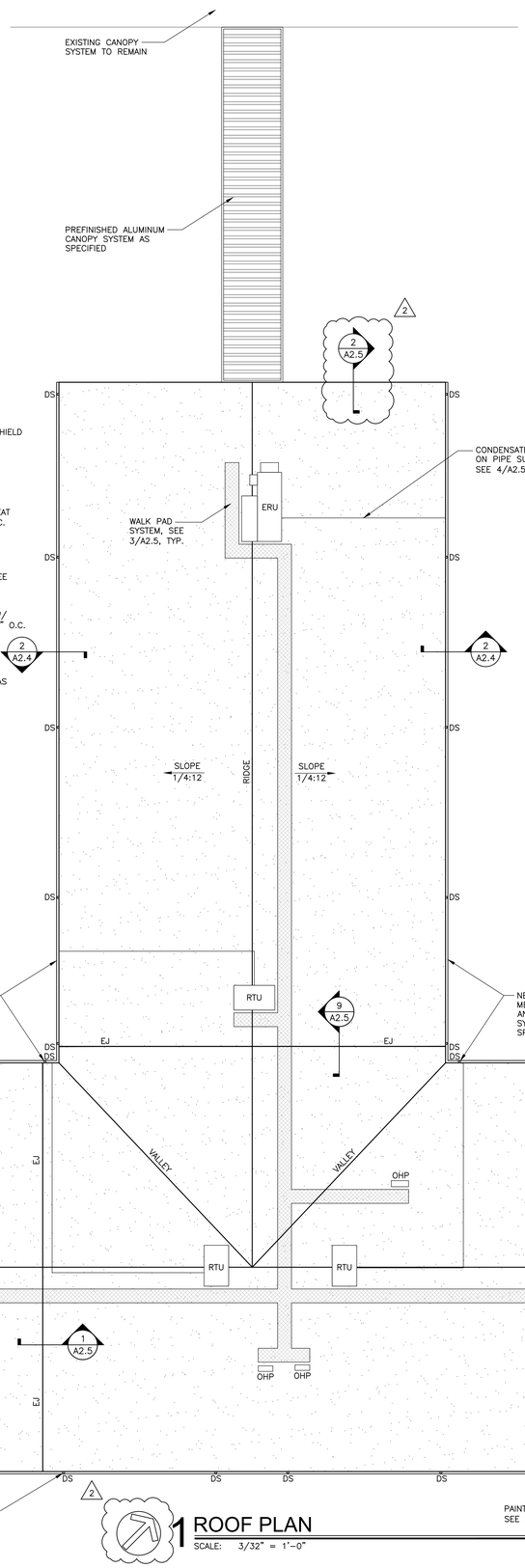
2 GUTTER DETAIL

SCALE: 3" = 1'–0"



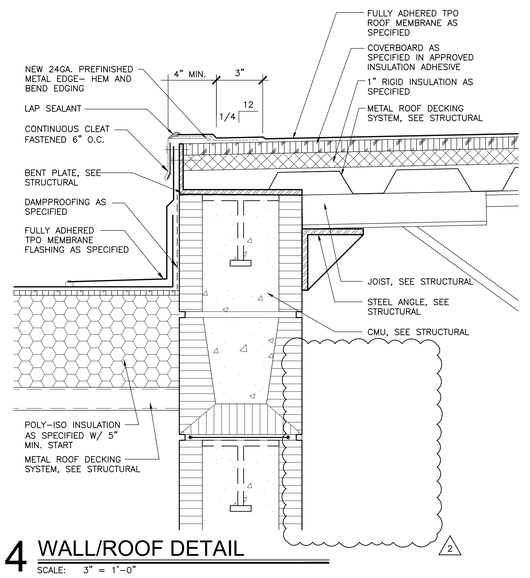
3 PARAPET DETAIL

SCALE: 3" = 1'–0"



1 ROOF PLAN

SCALE: 3/32" = 1'–0"



4 WALL/ROOF DETAIL

SCALE: 3" = 1'–0"

GENERAL ROOFING NOTES

1. DO NOT SCALE DRAWINGS–FIELD VERIFY ALL DIMENSIONS AND CONDITIONS.
2. VERIFY ALL BUILDING UTILITIES AND PLUMBING & ELECTRICAL SERVING ROOF TOP EQUIPMENT PRIOR TO START OF WORK. SHOULD EXISTING UTILITIES POSE A SAFETY THREAT OR INTERFERE WITH THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL TEMPORARILY REMOVE AND REPLACE, IN SCHEDULED COORDINATION WITH THE BUILDING OWNER, TO PROVIDE WORK IN PROXIMITY AND ENDEAVOR TO MINIMIZE BUILDING UTILITY DOWN–TIME. ROOF–TOP EQUIPMENT SHALL REMAIN FUNCTIONAL PER ORIGINAL CONDITION UPON COMPLETION OF THE WORK.
3. NEW WORK SHALL ALIGN / BLEND WITH AND TIE TO EXISTING REMAINING WORK AS IF PROVIDED ORIGINALLY.
4. ALL MATERIALS SHALL BE NEW EXCEPT WHERE NOTED OTHERWISE.
5. DO NOT CONCENTRATE MATERIAL LOADS ON THE EXISTING ROOF.
6. ASSUME ADJACENT BUILDINGS WILL BE OCCUPIED AND MUST BE MAINTAINED OPERATIONAL; MAINTAIN TRAFFIC FLOW AND AVOID DISRUPTIONS TO THE OCCUPANTS DURING THE WORK.
7. DO NOT IMPAIR SCHOOL OPERATIONS WITH REROOFING OPERATIONS; AVOID DELIVERIES DURING TIMES OF HEAVY TRAFFIC, MAINTAIN UTILITIES OPERATION/ COORDINATE ANY PLANNED OUTAGES, DO NOT BLOCK EXITS, ETC.
8. ENSURE MINIMUM INTERFERENCE W/ THE DAILY OPERATIONS OF THE FACILITY; MAINTAIN CLEAR EXITS, SIDEWALKS & DRIVES. REMOVE OR CONTAIN DEBRIS DAILY. COORDINATE TO AVOID DISRUPTION OF THE OCCUPANT'S SPECIAL EVENTS. COORDINATE DELIVERY SCHEDULE TO AVOID TRAFFIC CONFLICT WITH THE OCCUPANTS.
9. PROTECT EXISTING INTERIOR AND EXISTING TO REMAIN. SECURE AND PROTECT BUILDING INTERIOR AND CONTENTS FROM WEATHER DAMAGES AND THEFT INTRUSION.
10. MAINTAIN THE EXISTING BUILDING DRIED–IN DAILY AS REQUIRED TO FULLY KEEP RAIN FROM ENTERING, REGARDLESS OF FAVORABLE WEATHER FORECASTS, SHALL BE REQUIRED PRIOR TO COMPLETION OF THE WORK.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WEATHER TIGHTNESS, SHALL INSPECT AND ACCEPT ALL SUBSTRATE AND PENETRATION CONDITIONS PRIOR TO COMMENCING WITH REROOFING OPERATIONS.
12. PROTECT EXISTING LANDSCAPING TO REMAIN.
13. REMOVE AND LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS FROM ROOF AND GROUNDS DAILY.
14. PROVIDE CLEAN–UP AND CORRECT ANY DAMAGES TO EXISTING BUILDING AND GROUNDS.
15. GUTTERS SHALL NOT EXCEED 50' IN LENGTH WITHOUT A GUTTER EXPANSION JOINT.
16. DOWNSPOUTS SHOWN ON THIS SHEET ARE SHOWN AS REFERENCE. CONTRACTOR TO SEE ELEVATIONS FOR DOWNSPOUT LOCATIONS AND TO AVOID ANY CONFLICT WITH DOORS, WINDOWS, AND HEAVY TRAFFIC AREAS.

SYMBOLS LEGEND

ROOF DETAIL MARKER DETAIL NUMBER SHEET NUMBER	DIRECTION OF ROOF SLOPE MARKER SLOPE 1/4:12 — DOWNWARD SLOPE RISE : RUN
3' WIDE CONTINUOUS WALK PADS AND AT EACH MECHANICAL UNIT PERIMETER AS SPECIFIED	PREFINISHED METAL AWNING/CANOPY SYSTEM
TPO MEMBRANE ROOFING SYSTEM ON 1/2" COVERBOARD ON TAPERED POLYISOCYANURATE INSULATION W/ 5" MIN. START OVER METAL DECKING AS SPECIFIED AND DETAILED.	

ROOF GENERAL NOTES

1. CONTRACTOR TO COORDINATE LOCATIONS OF ROOF PENETRATIONS WITH MECHANICAL AND/ OR ARCHITECT.
2. COORDINATE WITH PLUMBING, MECHANICAL, AND ELECTRICAL FOR ROOF PENETRATIONS. FLASH ALL PENETRATIONS, ROOFING CONTRACTOR SHALL MAINTAIN SINGLE SOURCE RESPONSIBILITY FOR WEATHERTIGHTNESS OF ROOF PENETRATIONS AS PART ROOFING SYSTEM ENVELOPE.
3. EACH INDIVIDUAL EQUIPMENT CONDITION ETC. MAY NOT HAVE A DETAIL DESIGNATION BUBBLE FOR CLARITY PURPOSES, HOWEVER EACH DETAIL APPLIES TO ALL EQUIPMENT, CONDITIONS ETC. OF THAT TYPE.
4. VERIFY LOCATIONS OF ROOF TOP UNITS WITH MECHANICAL UNITS WITHIN A MINIMUM OF 10'–0" TO A ROOF EDGE WILL REQUIRE A GUARDRAIL SYSTEM UNLESS OTHERWISE NOTED.

ROOF LEGEND

OHP	OUTSIDE HEAT PUMP	DS	DOWNSPOUT
ERU	ENERGY RECOVERY UNIT	G	GUTTER
RTU	ROOF TOP UNIT	GEJ	GUTTER EXPANSION JOINT
EJ	EXPANSION JOINT	NIC	NOT IN CONTRACT
PV	PLUMBING VENT	EX	EXISTING TO REMAIN
LOW	LOW ROOF		
HIGH	HIGH ROOF		

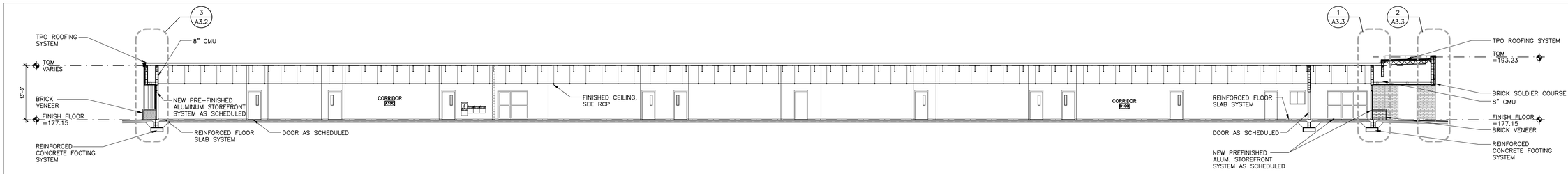
LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
ROOF PLAN

PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS:
2 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A2.4
5 OF 27



1 BUILDING SECTION

SCALE: 3/32" = 1'-0"

2 BUILDING SECTION

SCALE: 3/32" = 1'-0"

3 BUILDING SECTION

SCALE: 3/32" = 1'-0"

4 BUILDING SECTION

SCALE: 3/32" = 1'-0"

5 BUILDING SECTION

SCALE: 3/32" = 1'-0"

LATHAN ARCHITECTS

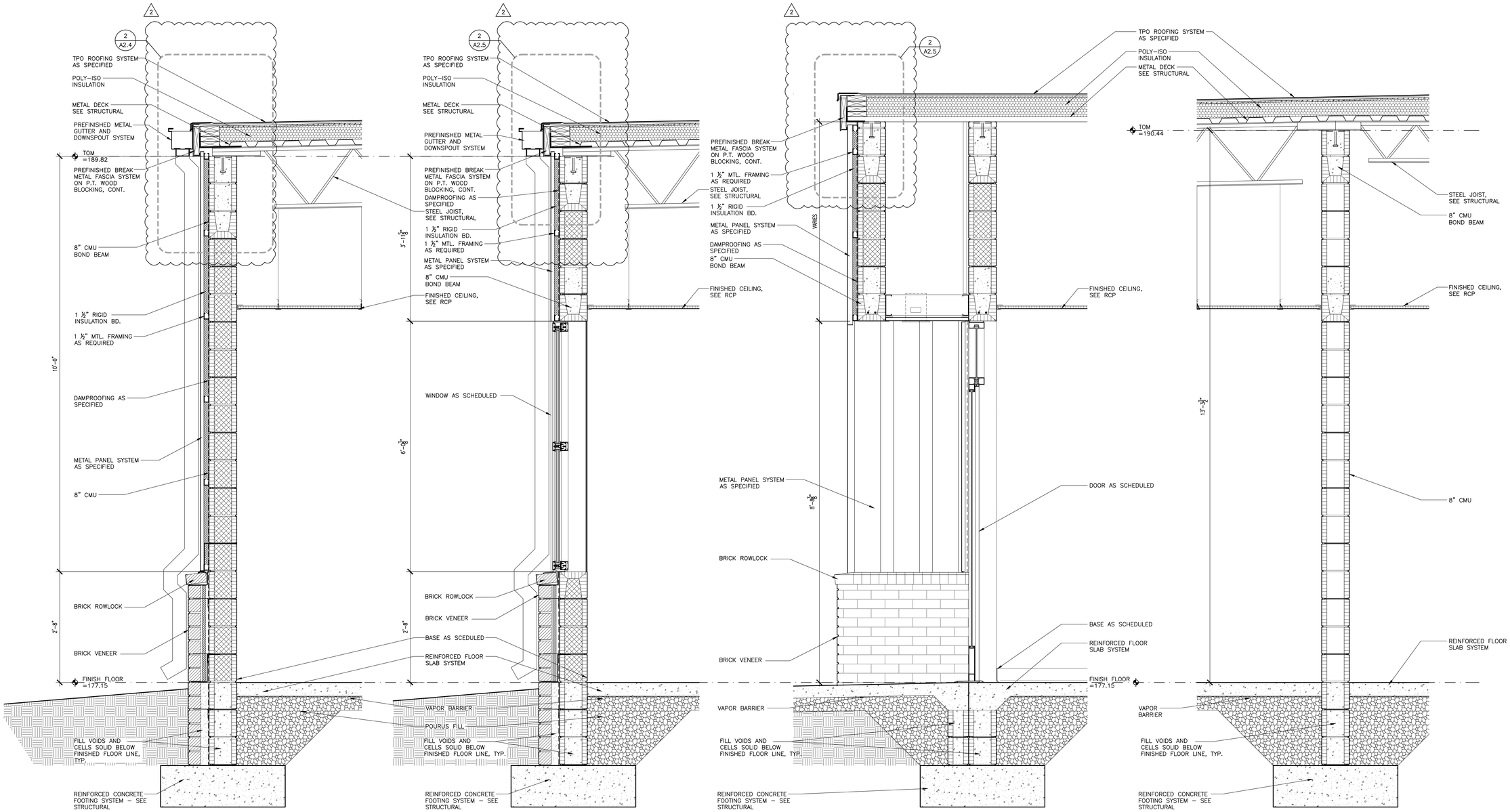
ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
BUILDING SECTIONS

PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS
2 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A3.1
10 OF 29

0 1" 2"



1 WALL SECTION
SCALE: 1" = 1'-0"

2 WALL SECTION
SCALE: 1" = 1'-0"

3 WALL SECTION
SCALE: 1" = 1'-0"

4 WALL SECTION
SCALE: 1" = 1'-0"

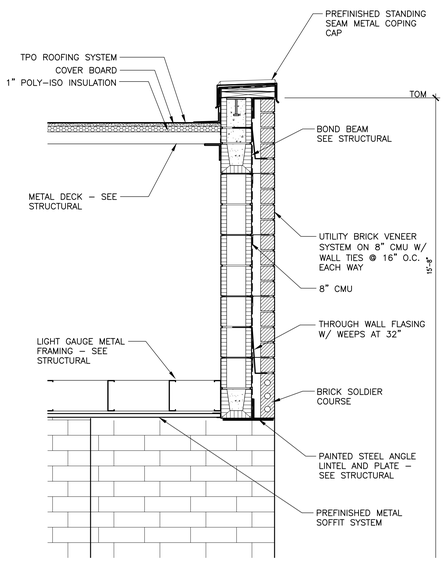
LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
WALL SECTIONS

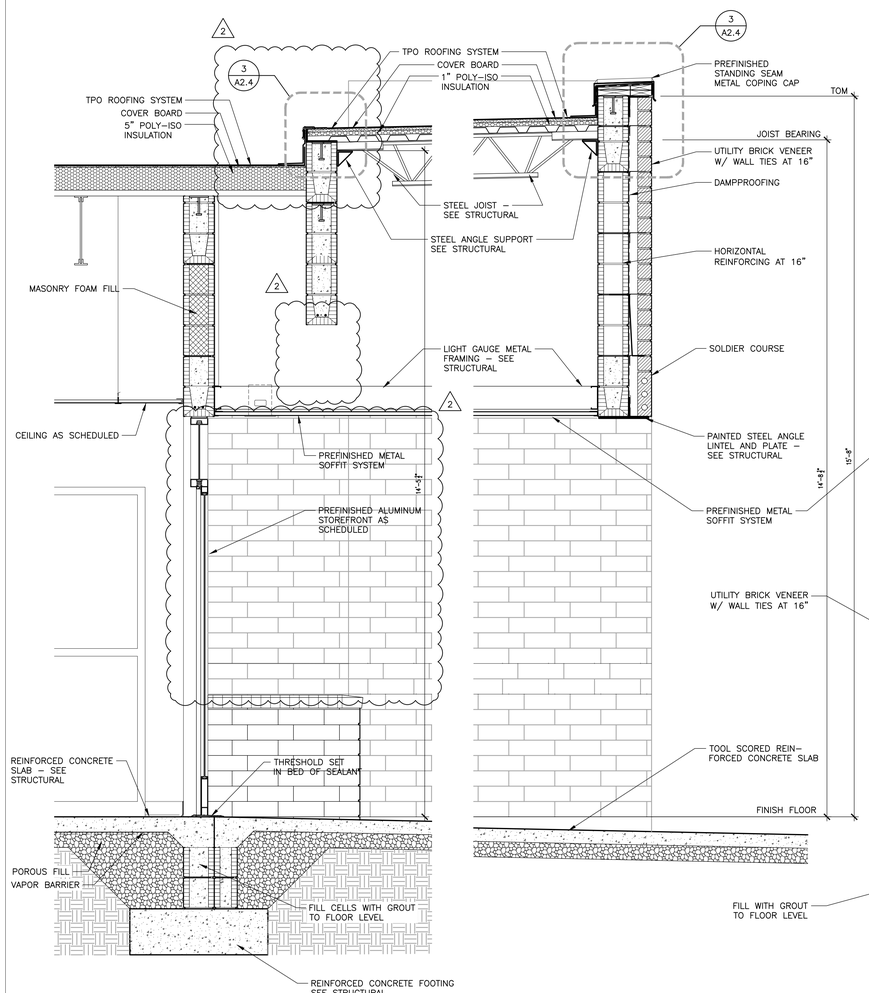
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS
2 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A3.2
11 OF 29



6 WALL SECTION

SCALE: 3/4" = 1'-0"

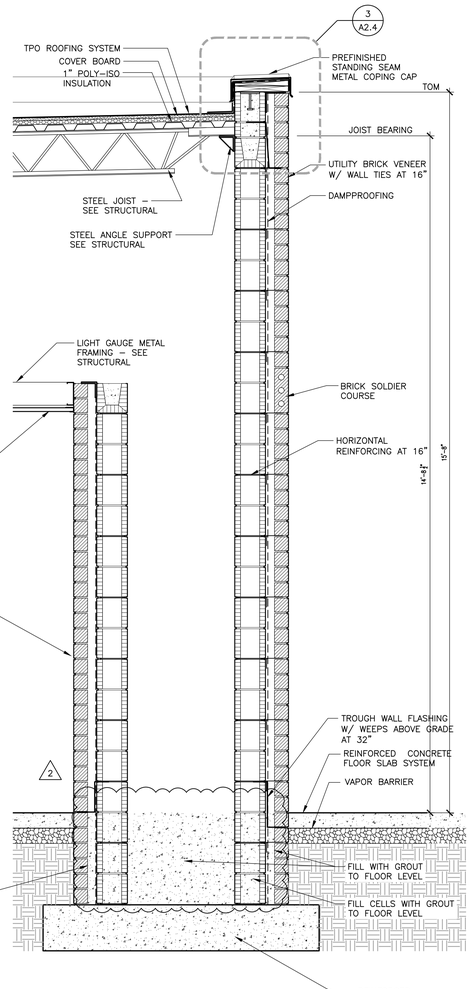


1 WALL SECTION

SCALE: 3/4" = 1'-0"

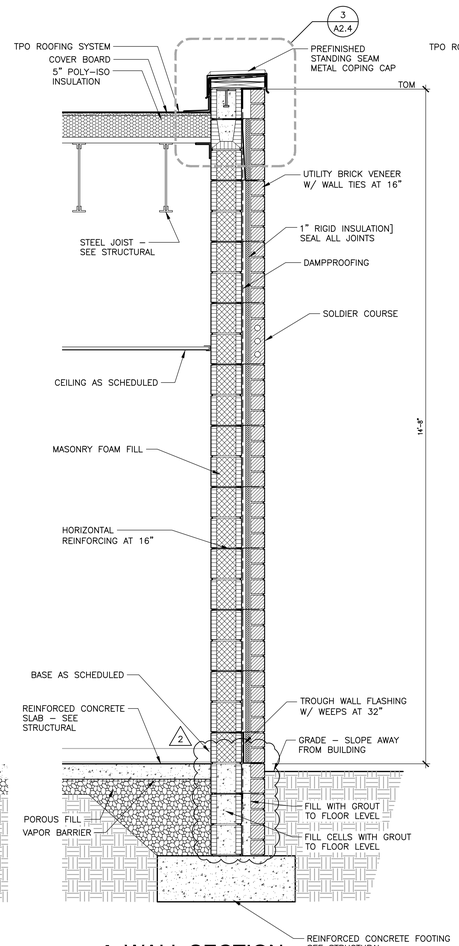
2 WALL SECTION

SCALE: 3/4" = 1'-0"



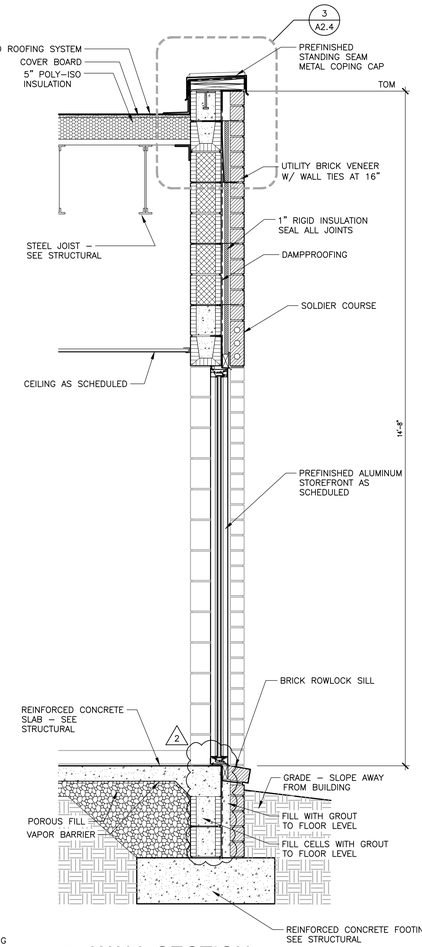
3 WALL SECTION

SCALE: 3/4" = 1'-0"



4 WALL SECTION

SCALE: 3/4" = 1'-0"



5 WALL SECTION

SCALE: 3/4" = 1'-0"

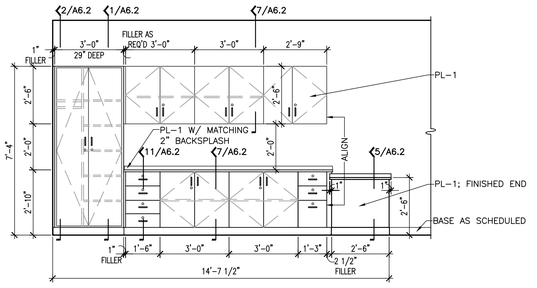
LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
WALL SECTIONS

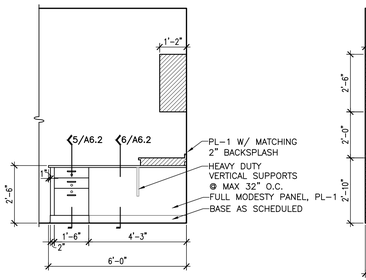
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS
2 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A3.3
12 OF 29



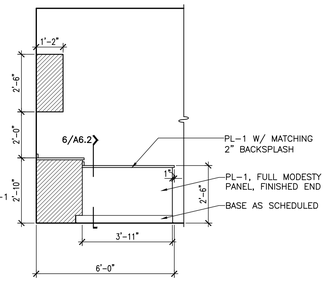
1 INTERIOR ELEVATION @TYPICAL CLASSROOM

SCALE: 3/8" = 1'-0"



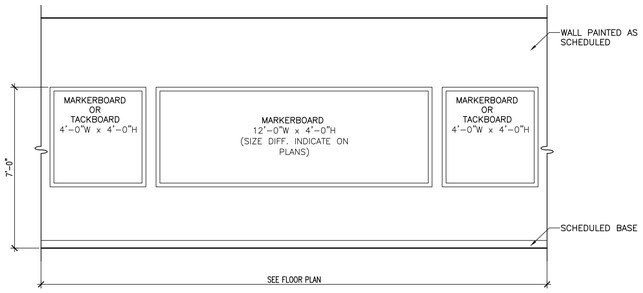
2 INTERIOR ELEVATION @TYPICAL CLASSROOM

SCALE: 3/8" = 1'-0"



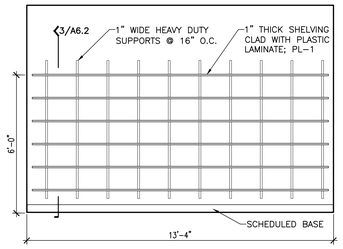
3 INTERIOR ELEVATION @TYPICAL CLASSROOM

SCALE: 3/8" = 1'-0"



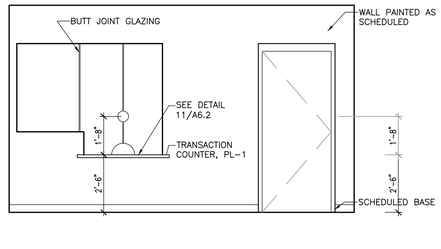
4 INTERIOR ELEVATION @TYPICAL CLASSROOM

SCALE: 3/8" = 1'-0"



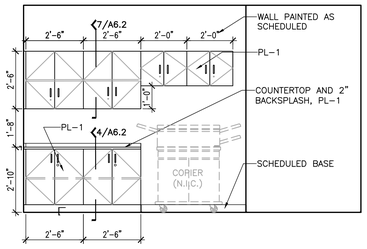
5 INTERIOR ELEVATION @CUSTODIAN

SCALE: 3/8" = 1'-0"



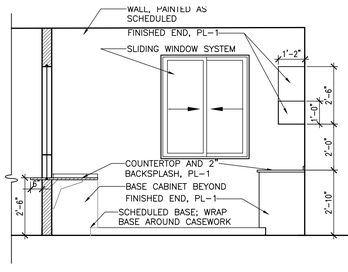
6 INTERIOR ELEVATION @RECEPTION B123

SCALE: 3/8" = 1'-0"



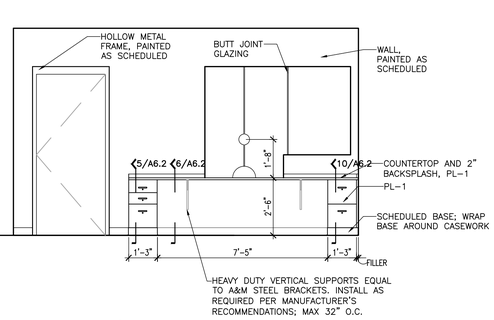
7 INTERIOR ELEVATION @RECEPTION B123

SCALE: 3/8" = 1'-0"



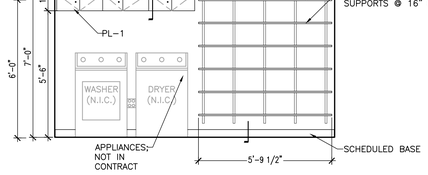
8 INTERIOR ELEVATION @RECEPTION B123

SCALE: 3/8" = 1'-0"



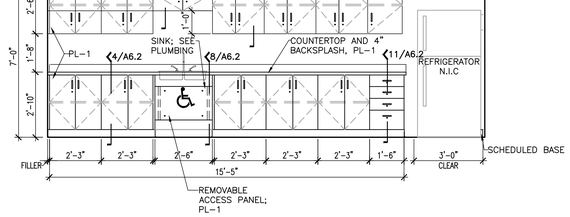
9 INTERIOR ELEVATION @RECEPTION B123

SCALE: 3/8" = 1'-0"



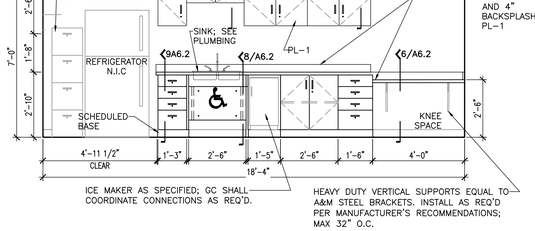
10 INTERIOR ELEVATION @LAUNDRY B110

SCALE: 3/8" = 1'-0"



11 INTERIOR ELEVATION @LAUNDRY B110

SCALE: 3/8" = 1'-0"



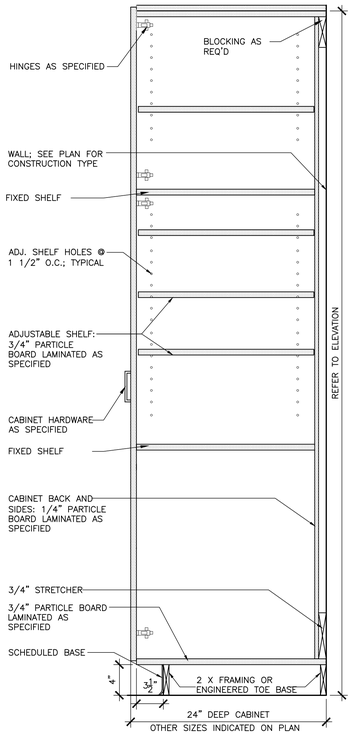
LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

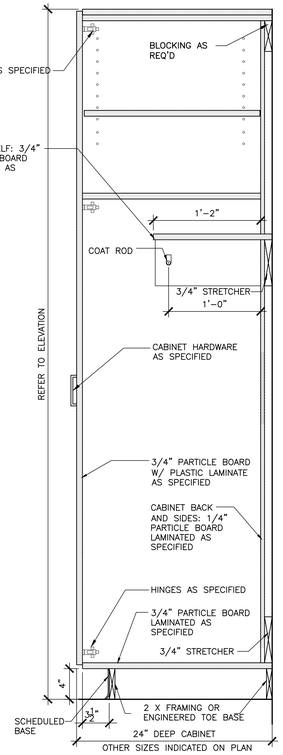
SHEET TITLE:
INTERIOR ELEVATIONS

PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS
1 07.26.24 ADD #2

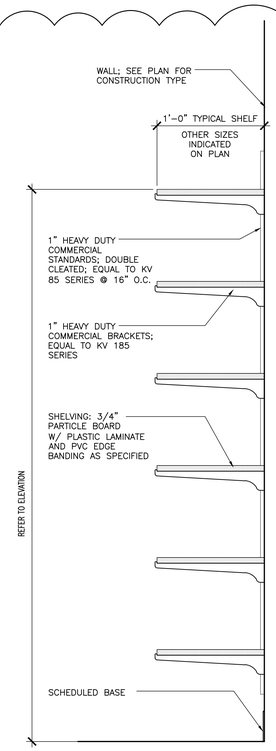
JOB NO. 24-38
SHEET NO:
A6.1
17 OF 29



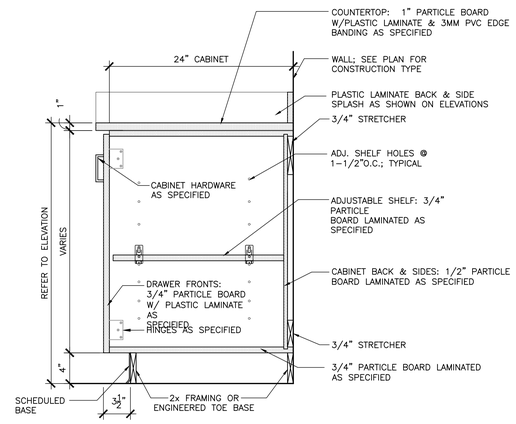
1 DETAIL @TEACHER CABINET
SCALE: 1-1/2" = 1'-0"



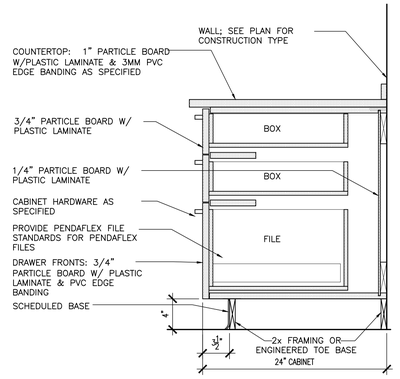
2 DETAIL @TEACHER WARDROBE
SCALE: 1-1/2" = 1'-0"



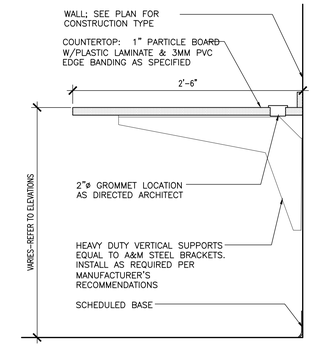
3 DETAIL @ADJUSTABLE SHELVING
SCALE: 1-1/2" = 1'-0"



4 DETAIL @BASE CABINET WITH DOOR
SCALE: 1-1/2" = 1'-0"



5 DETAIL @BOX/BOX/FILE CABINET
SCALE: 1-1/2" = 1'-0"



6 DETAIL @WORKSURFACE
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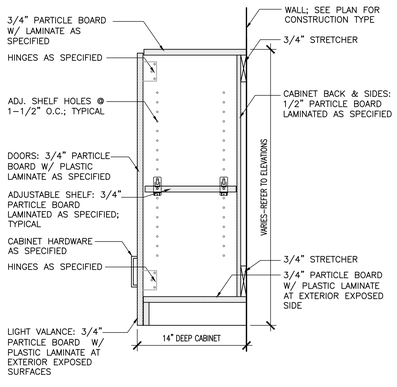
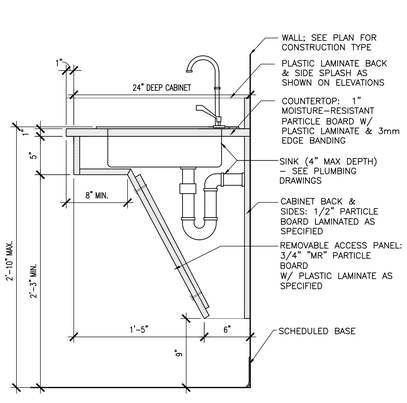
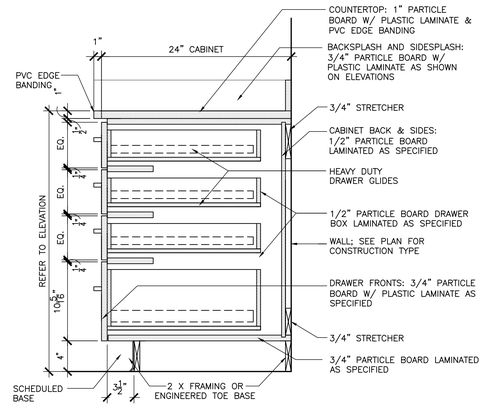


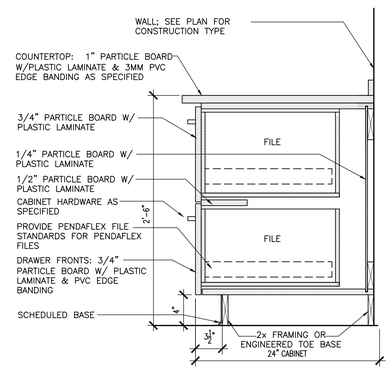
7 DETAIL @UPPER CABINET
SCALE: 1-1/2" = 1'-0"



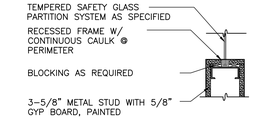
8 DETAIL @RECEPTION DESK
SCALE: 1-1/2" = 1'-0"



9 DETAIL @RECEPTION DESK
SCALE: 1-1/2" = 1'-0"



10 DETAIL @FILE/FILE CABINET
SCALE: 1-1/2" = 1'-0"



11 DETAIL @GLAZING DETAIL
SCALE: 1-1/2" = 1'-0"

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
MILLWORK DETAILS

PROJ. MGR.: R. VERNON
DRAWN: BL

DATE: 6/24/2024
REVISIONS
1 07.26.24 ADD #2

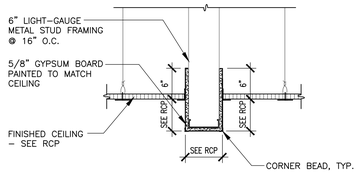
JOB NO. 24-38
SHEET NO:
A6.2
18 OF 29

0 1" 2"

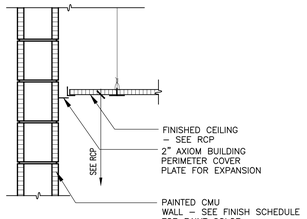
1

CEILING NOTES
1. ALL RATED GYPSUM BOARD CEILINGS TO BE TYPE "X" FIRE RATED GYPSUM BOARD. ALL GYPSUM BOARD WITHIN GYMNASIUM TO BE IMPACT RESISTANT
2. COORDINATE W/ MECH, PLUMBING, & ELECTRICAL DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL, PLUMBING, & ELECTRICAL SYSTEMS.
3. AFF - ABOVE FINISHED FLOOR
4. ALL CEILING HEIGHTS INDICATED ARE FROM ADJACENT FINISHED FLOOR.
5. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES.
6. ALL AREAS INDICATING NEW CEILING TO IMPLY DEMOLITION OF EXISTING CEILING SYSTEMS AS REQD THAT AREA.
7. ALL CEILING GRIDS ARE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
8. ALL MECHANICAL, ELECTRICAL AND PLUMBING ITEMS LOCATED IN ESA (EXPOSED STRUCTURE ABOVE) SHALL BE PAINTED AS DIRECTED BY ARCHITECT

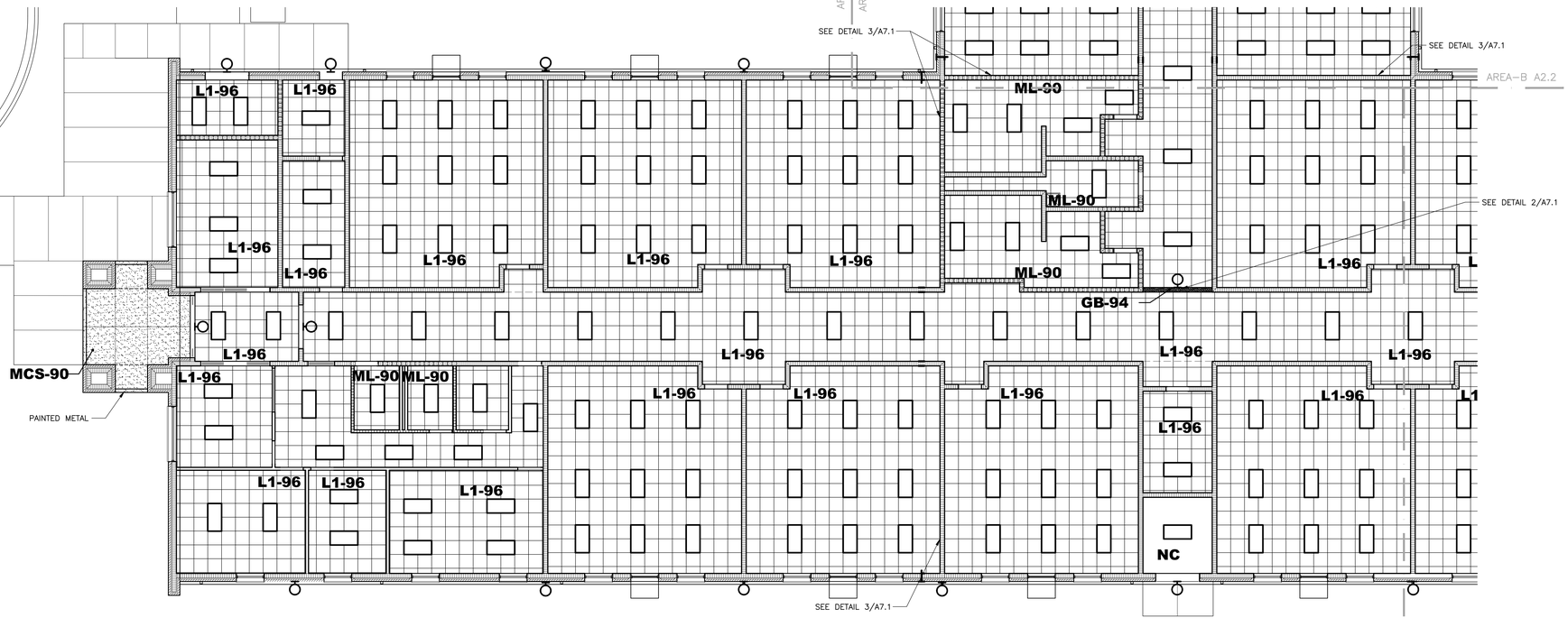
CEILING LEGEND	
FIXTURE TYPES - SEE ELECTRICAL	
CEILING TYPE	CEILING HEIGHTS
GB-GYPSUM BOARD	E = MAINTAIN EXIST CEILING HEIGHT
MGB - MOISTURE RESISTANT GYPSUM BOARD	80 = 8'-0" AFF
MCS - METAL CEILING SYSTEM	84 = 8'-4" AFF
L1 - 2 x 2 LAY-IN ACOUSTICAL CEILING TILE, AS SPECIFIED	86 = 8'-6" AFF
ML - 2 x 2 MOISTURE RESISTANT LAY-IN	88 = 8'-8" AFF
NC - NO CEILING	810 = 8'-10" AFF
ESA - EXPOSED STRUCTURE ABOVE; PAINT	90 = 9'-0" AFF
	92 = 9'-2" AFF
	93 = 9'-3" AFF
	94 = 9'-4" AFF
	96 = 9'-6" AFF
	98 = 9'-8" AFF
	100 = 10'-0" AFF
	106 = 10'-6" AFF
	110 = 11'-0" AFF
REFER TO FINISH SYMBOLS ON PLAN FOR MATERIALS AND CEILING HEIGHTS	1110 = 11'-10" AFF
	112 = 11'-2" AFF
CEILING TYPE — GB–90 — CEILING HEIGHT	120 = 12'-0" AFF
	126 = 12'-6" AFF
	160 = 16'-0" AFF
	200 = 20'-0" AFF
	240 =24'-0" AFF
	260 = 26'-0" AFF

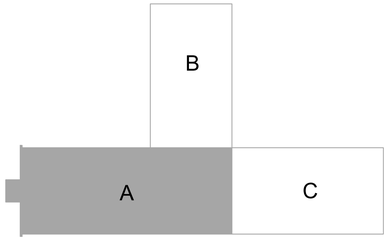


2 CEILING TRANSITION DETAIL
SCALE: 1" = 1'–0"



3 CEILING TRANSITION DETAIL @EXPANSION JOINT
SCALE: 1" = 1'–0"





KEY PLAN
SCALE: N.T.S.

1 PARTIAL REFLECTED CEILING PLAN AREA 'A'
SCALE: 1/8" = 1'–0"

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
PARTIAL REFLECTED CEILING PLAN - AREA A

PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS
1 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A7.1
19 OF 29

CEILING NOTES

1. ALL RATED GYPSUM BOARD CEILINGS TO BE TYPE "X" FIRE RATED GYPSUM BOARD. ALL GYPSUM BOARD WITHIN GYMNASIUM TO BE IMPACT RESISTANT
2. COORDINATE W/ MECH. PLUMBING, & ELECTRICAL DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL, PLUMBING, & ELECTRICAL SYSTEMS.
3. AFF - ABOVE FINISHED FLOOR
4. ALL CEILING HEIGHTS INDICATED ARE FROM ADJACENT FINISHED FLOOR.
5. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES..
6. ALL AREAS INDICATING NEW CEILING TO IMPLY DEMOLITION OF EXISTING CEILING SYSTEMS AS REQ'D THAT AREA.
7. ALL CEILING GRIDS ARE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
8. ALL MECHANICAL, ELECTRICAL AND PLUMBING ITEMS LOCATED IN ESA (EXPOSED STRUCTURE ABOVE) SHALL BE PAINTED AS DIRECTED BY ARCHITECT

CEILING LEGEND

FIXTURE TYPES - SEE ELECTRICAL

CEILING TYPE	CEILING HEIGHTS
GB-GYPSUM BOARD	E = MAINTAIN EXIST CEILING HEIGHT
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REFER TO FINISH SYMBOLS ON PLAN FOR MATERIALS AND CEILING HEIGHTS	1110 = 11'-10" AFF
	112 = 11'-2" AFF
	120 = 12'-0" AFF
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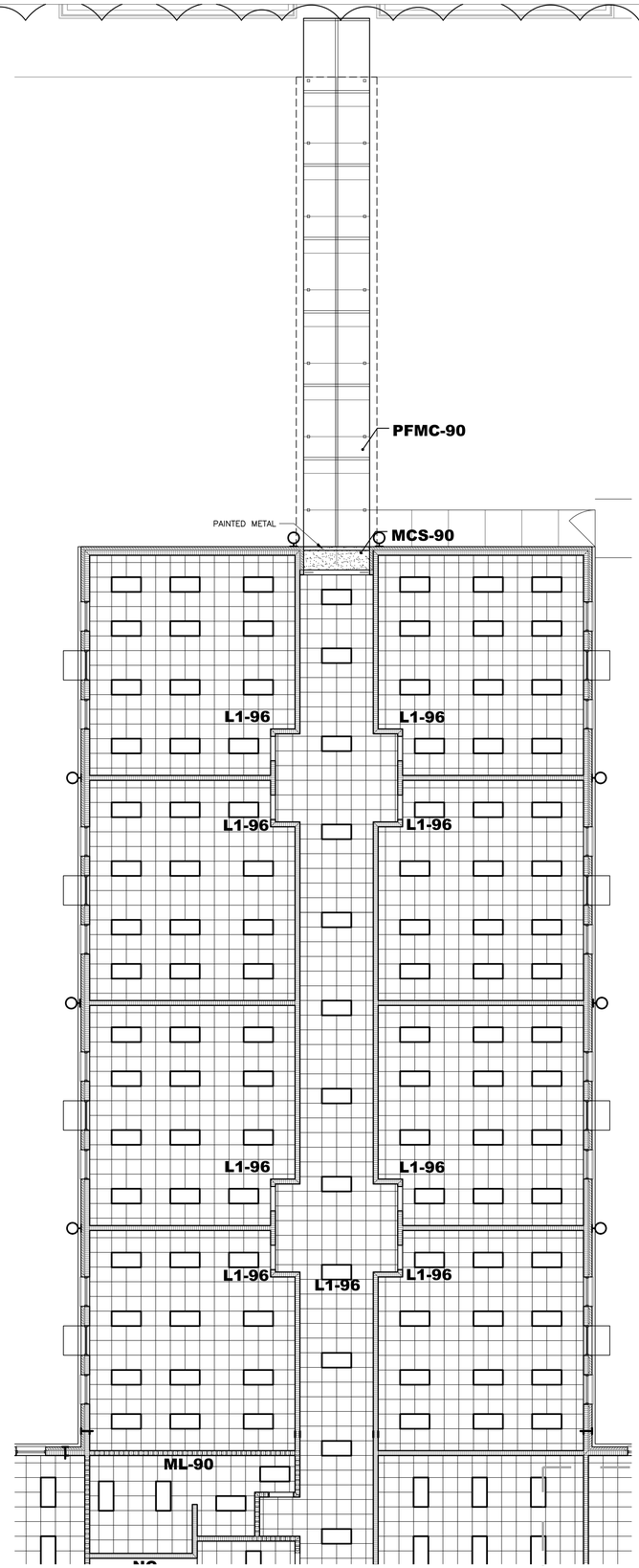
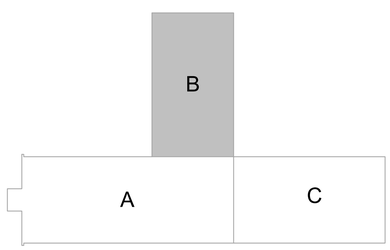
	160 = 16'-0" AFF
	200 = 20'-0" AFF
	240 =24'-0" AFF
	260 = 26'-0" AFF

CEILING TYPE — GB–90 — CEILING HEIGHT





KEY PLAN
SCALE: N.T.S.

1 PARTIAL REFLECTED CEILING PLAN - AREA B
SCALE: 1/8" = 1'-0"

AREA–A A7.2
AREA–C A7.3

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
PARTIAL REFLECTED CEILING PLAN - AREA B

PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS
1 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A7.2
20 OF 29

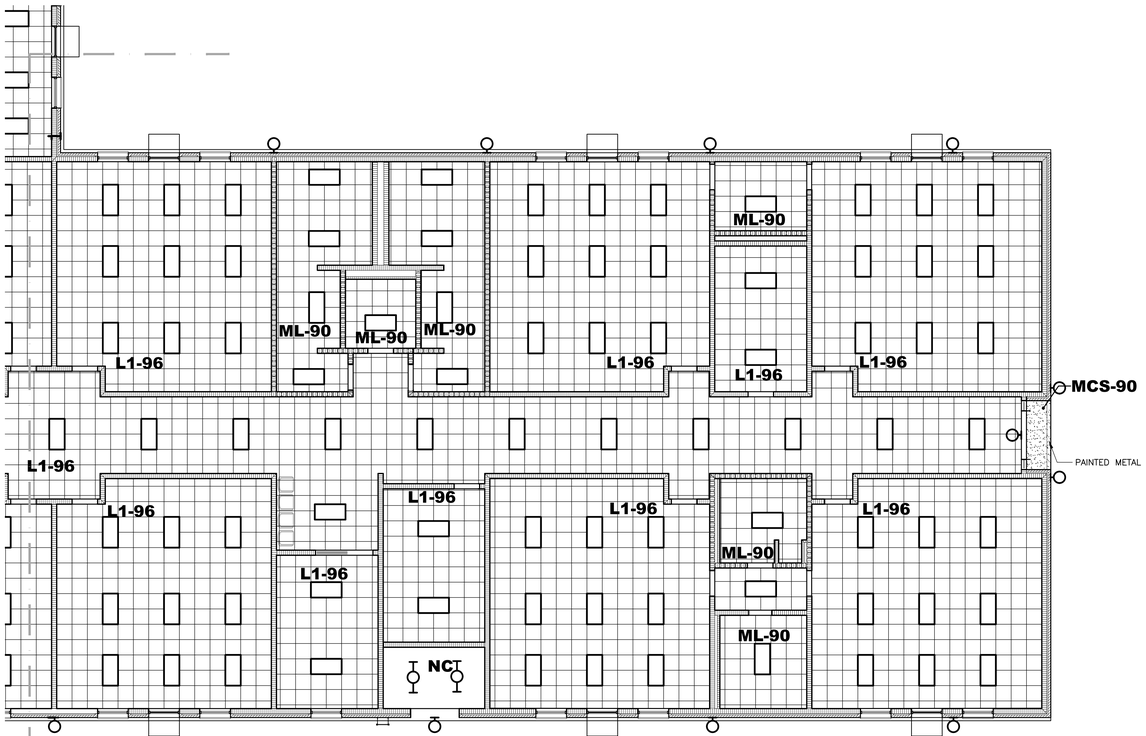
CEILING NOTES

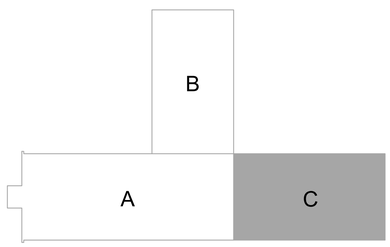
1. ALL RATED GYPSUM BOARD CEILINGS TO BE TYPE "X" FIRE RATED GYPSUM BOARD. ALL GYPSUM BOARD WITHIN GYMNASIUM TO BE IMPACT RESISTANT
2. COORDINATE W/ MECH. PLUMBING, & ELECTRICAL DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL, PLUMBING, & ELECTRICAL SYSTEMS.
3. AFF - ABOVE FINISHED FLOOR
4. ALL CEILING HEIGHTS INDICATED ARE FROM ADJACENT FINISHED FLOOR.
5. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES.
6. ALL AREAS INDICATING NEW CEILING TO IMPLY DEMOLITION OF EXISTING CEILING SYSTEMS AS REQ'D THAT AREA.
7. ALL CEILING GRIDS ARE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
8. ALL MECHANICAL, ELECTRICAL AND PLUMBING ITEMS LOCATED IN ESA (EXPOSED STRUCTURE ABOVE) SHALL BE PAINTED AS DIRECTED BY ARCHITECT

CEILING LEGEND

FIXTURE TYPES - SEE ELECTRICAL

CEILING TYPE	CEILING HEIGHTS
GB-GYPSUM BOARD	E = MAINTAIN EXIST. CEILING HEIGHT
MGB - MOISTURE RESISTANT GYPSUM BOARD	80 = 8'-0" AFF
MCS - METAL CEILING SYSTEM	84 = 8'-4" AFF
L1 - 2 X 2 LAY-IN ACOUSTICAL CEILING TILE, AS SPECIFIED	86 = 8'-6" AFF
ML - 2 x 2 MOISTURE RESISTANT LAY-IN	88 = 8'-8" AFF
NC - NO CEILING	810 = 8'-10" AFF
ESA - EXPOSED STRUCTURE ABOVE; PAINT	90 = 9'-0" AFF
	92 = 9'-2" AFF
	93 = 9'-3" AFF
	94 = 9'-4" AFF
	96 = 9'-6" AFF
	98 = 9'-8" AFF
	100 = 10'-0" AFF
	106 = 10'-6" AFF
	110 = 11'-0" AFF
REFER TO FINISH SYMBOLS ON PLAN FOR MATERIALS AND CEILING HEIGHTS	1110 = 11'-10" AFF
	112 = 11'-2" AFF
CEILING TYPE — GB–90 / CEILING HEIGHT	120 = 12'-0" AFF
	126 = 12'-6" AFF
	160 = 16'-0" AFF
	200 = 20'-0" AFF
	240 =24'-0" AFF
	260 = 26'-0" AFF





KEY PLAN
SCALE: N.T.S.

AREA—A A8.1
AREA—C A8.2

1 PARTIAL REFLECTE CEILING PLAN - AREA C
SCALE: 1/8" = 1'–0"

1

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
PARTIAL REFLECTED CEILING PLAN - AREA C

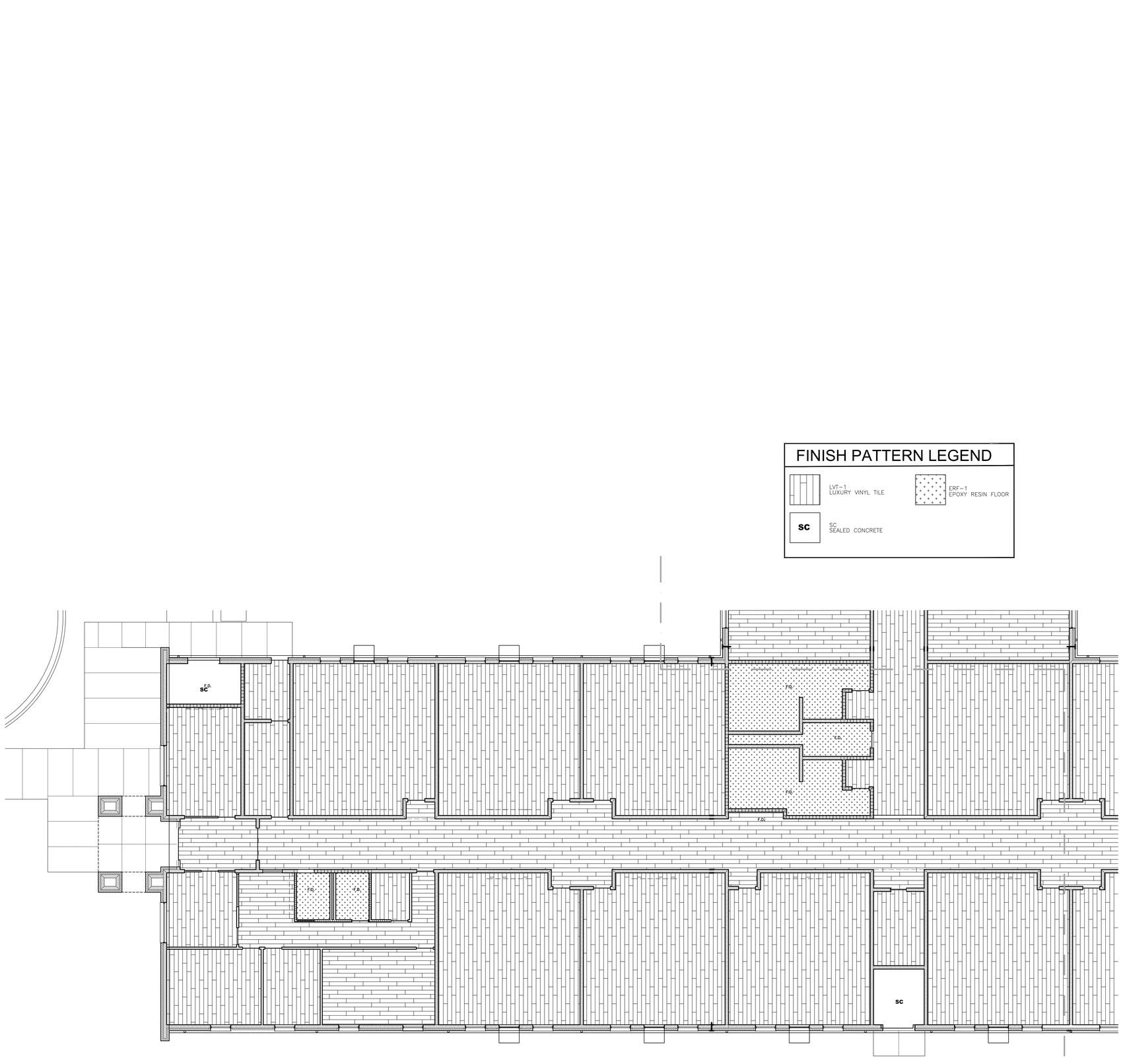
PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS
1 07.26.24 ADD #2

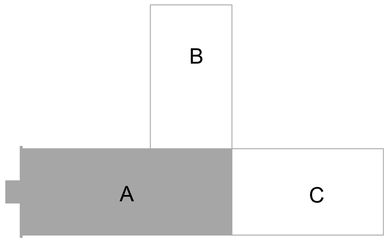
JOB NO. 24-38
SHEET NO:
A7.3
21 OF 29

1

FINISH PATTERN LEGEND

LVT-1 LUXURY VINYL TILE	ERF-1 EPOXY RESIN FLOOR
SC SEALED CONCRETE	





KEY PLAN
SCALE: N.T.S.

1 PARTIAL FINISH FLOOR PLAN AREA 'A'
SCALE: 1/8" = 1'-0"

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
PARTIAL FINISH FLOOR PLAN - AREA A

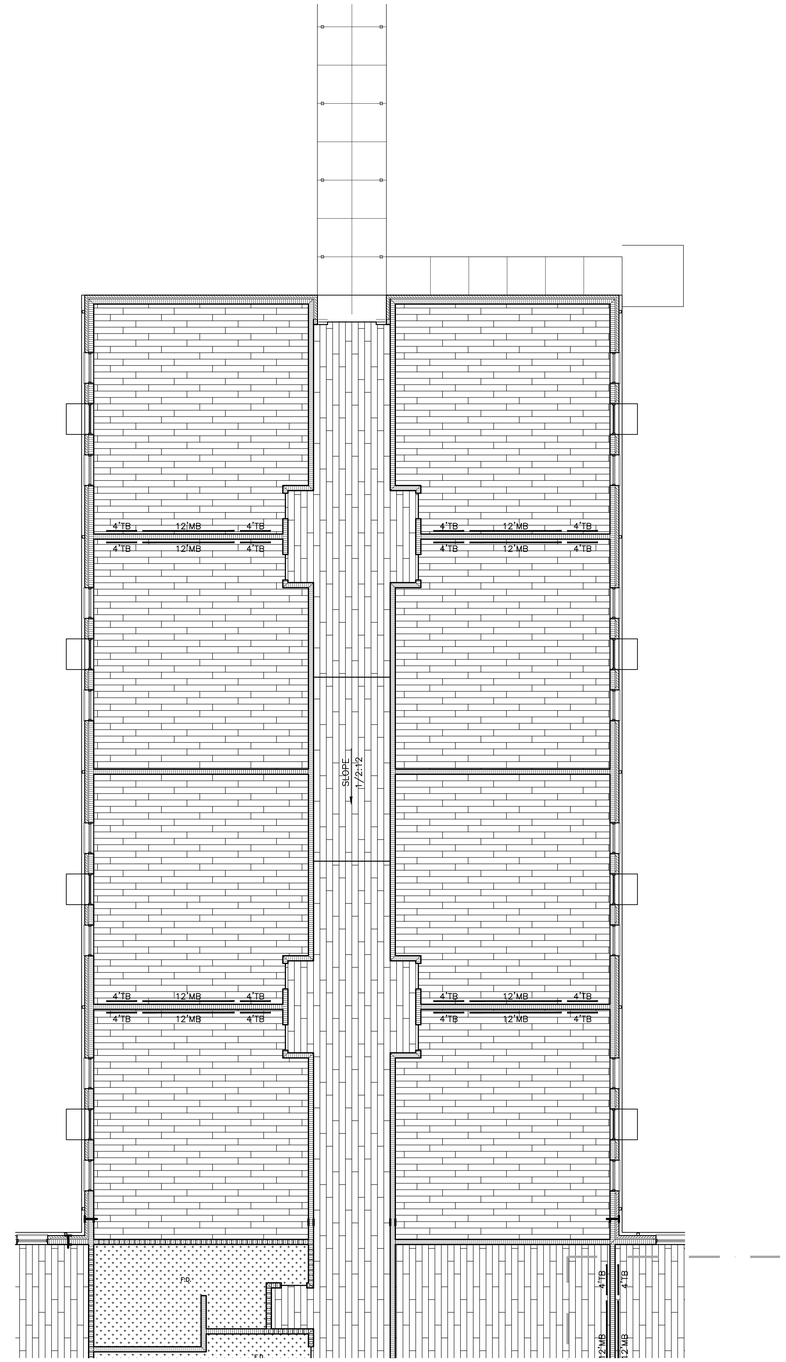
PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS
1 07.26.24 ADD #2

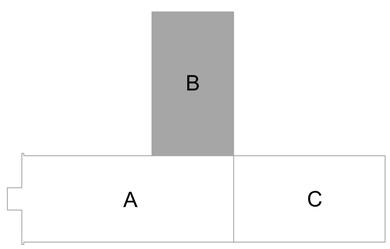
JOB NO. 24-38
SHEET NO:
A8.1
22 OF 29

0 1" 2"

FINISH PATTERN LEGEND

LVT-1 LUXURY VINYL TILE	ERF-1 EPOXY RESIN FLOOR
SC SEALED CONCRETE	





KEY PLAN
SCALE: N.T.S.

1 PARTIAL FINISH FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"

AREA-A A2.0
AREA-C A2.2

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
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PARTIAL FINISH FLOOR PLAN - AREA B

PROJ. MGR.: R. VERNON
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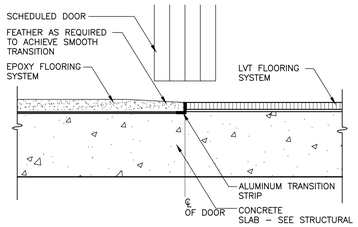
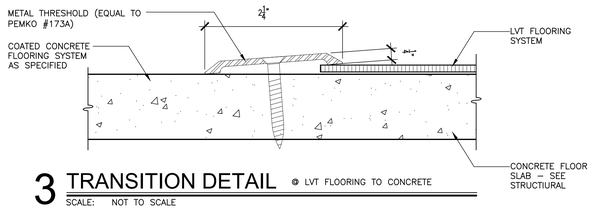
23 OF 29



2 TRANSITION DETAIL @ EPOXY FLOORING TO LVT

SCALE: NOT TO SCALE



3 TRANSITION DETAIL @ LVT FLOORING TO CONCRETE

SCALE: NOT TO SCALE

BASE(RUBBER/CERAMIC/PORCELAIN/WOOD)

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
RB-1	JOHNSONITE	COLOR: TO BE DETERMINED 4" RUBBER BASE	AS SCHEDULED
ERB-1	TORGINOL	MATCH: ERF-1 4" INTEGRAL BASE	AS SCHEDULED

EPOXY RESIN

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
ERF-1	TORGINOL	COLOR: CUSTOM COLOR 4–COLOR MIX 1/4" BROADCAST FLAKES	AS SCHEDULED

LUXURY VINYL TILE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
LVT-1	INTERFACE	COLOR: TO BE DETERMINED COLLECTION: STUDIO SET LVT	AS SCHEDULED

FINISH ABBREVIATION LEGEND

APF	ACOUSTIC PANEL FABRIC	PL	PLASTIC LAMINATE	TP	TACKABLE ACOUSTIC PANEL
CC	COATED CONCRETE	PM	PANEL MOULDING	TS	TACBABLE SURFACE
CM	CROWN MOLDING	PNT	PAINT	LVT	VINYL COMP. TILE
CPT	CARPET	PT	PORCELAIN TILE	WB	WOOD BASE
CR	CHAIR RAIL	PTB	PORCELAIN TILE BASE	WC	WALLCOVERING
CWT	CERAMIC WALL TILE	QT	QUARRY TILE	WF	WOOD FLOORING
ERB	EPOXY RESIN BASE	QTB	QUARRY TILE BASE	WP	WOOD PANELING
ERF	EPOXY RESIN FLOOR	RB	RUBBER BASE	WV	WOOD VENEER
ESD	STATIC CONTROL TILE	RF	RUBBER FLOOR		
GYP	GYPSUM BOARD	SC	SEALED CONCRETE		
IC	IMPRINTED CONCRETE	STC	STAINED CONCRETE		
LVT	LUXURY VINYL TILE	SS	SOLID SURFACE		
		ST	STAIN		

PLASTIC LAMINATE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
PL-1	FORMICA	COLOR: 5488–58 SMOKEY BROWN PEAR EDGEBAND: MATCH LAMINATE	COUNTERTOPS/CABINETS AND SINK BASE CABINETS

PAINT/STAIN

ITEM	MANUFACTURER	ITEM NUMBER/NAME	TYPE/LOCATION
PNT-1	SHERWIN WILLIAMS	COLOR: SW 7029 AGREEABLE GRAY	GENERAL WALLS EPOXY AT WET AREAS
PNT-2	SHERWIN WILLIAMS	COLOR: SW 7017 DORIAN GRAY	GENERAL TRIM

FINISH NOTES

ALL WALLS TO BE PAINTED PNT -1 UNLESS NOTED OTHERWISE.

ALL WALLS LOCATED IN WET AREAS SHALL HAVE EPOXY BASED PAINT

ALL ROOM NUMBERS SHOULD BE USED FOR CONSTRUCTION PURPOSES ONLY.

FINISH PATTERN LEGEND

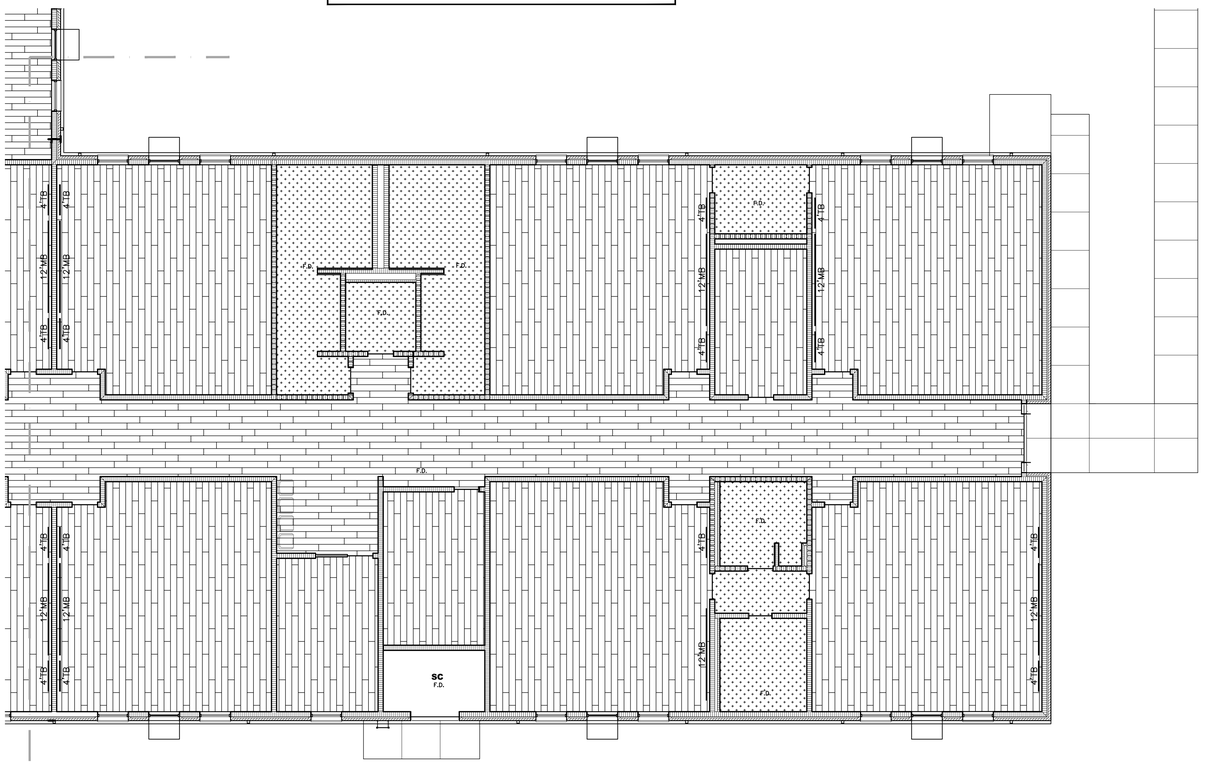
LVT–1 LUXURY VINYL TILE

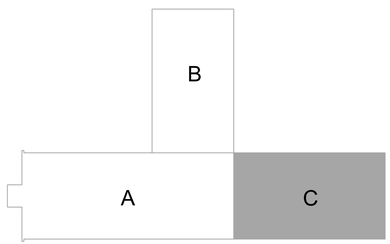
ERF–1 EPOXY RESIN FLOOR

SC SEALED CONCRETE

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	MILLWORK FACE	MILLWORK TOP	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	DOOR FRAME	NOTES
A100	CORRIDOR	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A101	MULTI-NEEDS CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A102	PRE-K CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A103	MULTI-NEEDS CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A104	PRE-K CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A105	HALL	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A106	WORKROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A107	LAUNDRY	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A108	TOILET	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A109	TOILET	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A110	BOYS	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A111	MECHANICAL	SC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A112	ASST. OFFICE	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A113	TOILET	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A114	GIRLS	LVT-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
A115	OMIT THIS NUMBER										
A116	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A117	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A118	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A119	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A120	STORAGE	SC-1	NO BASE			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
A121	ELECTRICAL	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B100	CORRIDOR	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B101	IDF	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B102	GIRLS	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B103	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B104	CUSTODIAN	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B105	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B106	BOYS	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B107	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B108	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B109	FILE	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B110	CLASSROOM	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B111	PRINCIPAL	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B112	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B113	OFFICE	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B114	ISOLATION	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B115	RISER	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B116	NURSE	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B117	TOILET	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B118	COUNSELOR	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B119	TOILET	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
B120	CONFERENCE	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B121	WAITING	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B122	VESTIBULE	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
B123	RECEPTION	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C100	CORRIDOR	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C101	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C102	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C103	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C104	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C105	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C106	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C107	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
C108	CLASSROOM	LVT-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	





KEY PLAN

SCALE: N.T.S.

AREA–A A8.1
AREA–C A8.2

1 PARTIAL FINISH FLOOR PLAN - AREA C

SCALE: 1/8" = 1'–0"

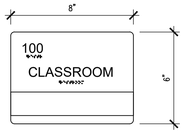
LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
PARTIAL FINISH FLOOR PLAN - AREA C

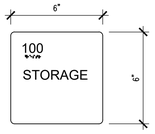
PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS
1 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A8.3
24 OF 29



INTERIOR SIGNAGE (SIGN TYPE - A)

SCALE: 3" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - B)

SCALE: 3" = 1'-0"

INTERIOR SIGNAGE (SIGN TYPE - C)

SCALE: 3" = 1'-0"

NOT USED

INTERIOR SIGNAGE (SIGN TYPE - D)

SCALE: 3" = 1'-0"

NOT USED

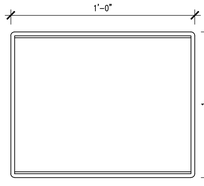
INTERIOR SIGNAGE (SIGN TYPE - E)

SCALE: 3" = 1'-0"

NOT USED

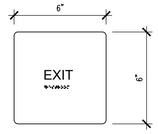
INTERIOR SIGNAGE (SIGN TYPE - F)

SCALE: 3" = 1'-0"



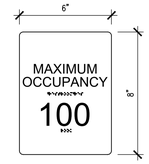
INTERIOR SIGNAGE (SIGN TYPE - G)

SCALE: 3" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - H)

SCALE: 3" = 1'-0"



INTERIOR SIGNAGE (SIGN - TYPE J)

SCALE: 3" = 1'-0"

INTERIOR SIGNAGE LEGEND	
A	SIGN WITH MESSAGE STRIP (OFFICES/CLASSROOM/INSTRUCTIONAL AREA)
B	ROOM NUMBER AND NAME (STORAGE, ELECTRICAL, ETC)
C	RESTROOM SIGNAGE WITH PICTOGRAM/BRAILLE
D	NOT USED
E	NOT USED
F	NOT USED
G	FRAMED CLEAR VIEW SIGNAGE (8.5X11)
H	TACTILE EXIT SIGN TO EXTERIOR (EXIT)
J	OCCUPANT LOAD SIGN (ASSEMBLY SPACES)
K	BUILDING DEDICATION PLAQUE

BUILDING PLAQUE (SIGN - TYPE K)

1-1/2" = 1'-0"

FINAL VERBIAGE SHALL BE VERIFIED PRIOR TO FABRICATION

1 SIGNAGE PLAN

SCALE: 3/32" = 1'-0"

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SIGNAGE PLAN

PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS
1 07.26.24 ADD #2

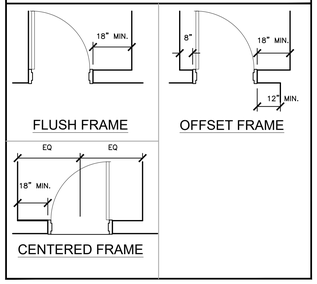
JOB NO. 24-38
SHEET NO:
A9.0
25 OF 29

0 1" 2"

WALL TYPE LEGEND

EXTERIOR WALL	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING, PROVIDE BRICK WALL TIES @ 16" O.C.
CMU WALL	8" CONCRETE MASONRY WALL. SEE LIFE SAFETY PLAN FOR FIRE RATING.
EX WALL	EXISTING WALL TO REMAIN
SOUND ATTENUATION	SOUND ATTENUATION

DOOR PLACEMENT LEGEND



FLUSH FRAME

OFFSET FRAME

CENTERED FRAME

DOOR FIRE RATING LEGEND

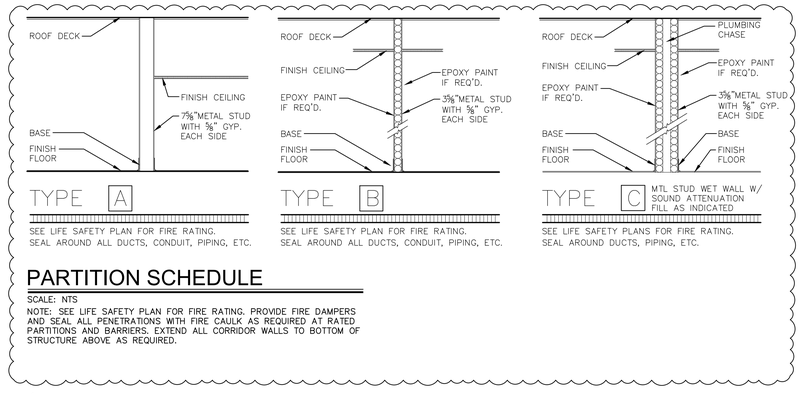
DOOR TYPE	(2)	NO RATING
DOOR TYPE + S	(2S)	SMOKE RATING

GENERAL NOTES

- EXTEND & KEY ALL WALLS TO BOTTOM OF ROOF DECK. SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.
- COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED
- SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS
- SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS
- ALL PLAN DIMENSIONS ARE TO FACE OF CMU AND TO OUTSIDE OF BRICK UNLESS NOTED OTHERWISE
- WINDOWS ARE DIMENSIONED TO THE CENTER LINE
- SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING
- DOWNSPOUTS SHALL BE PROVIDED WITH BOOTS AND 4" DIAMETER LEADER PIPING EXTENDED AND TIED INTO STORM DRAINAGE SYSTEM WHERE INDICATED
- SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.

SYMBOLS LEGEND

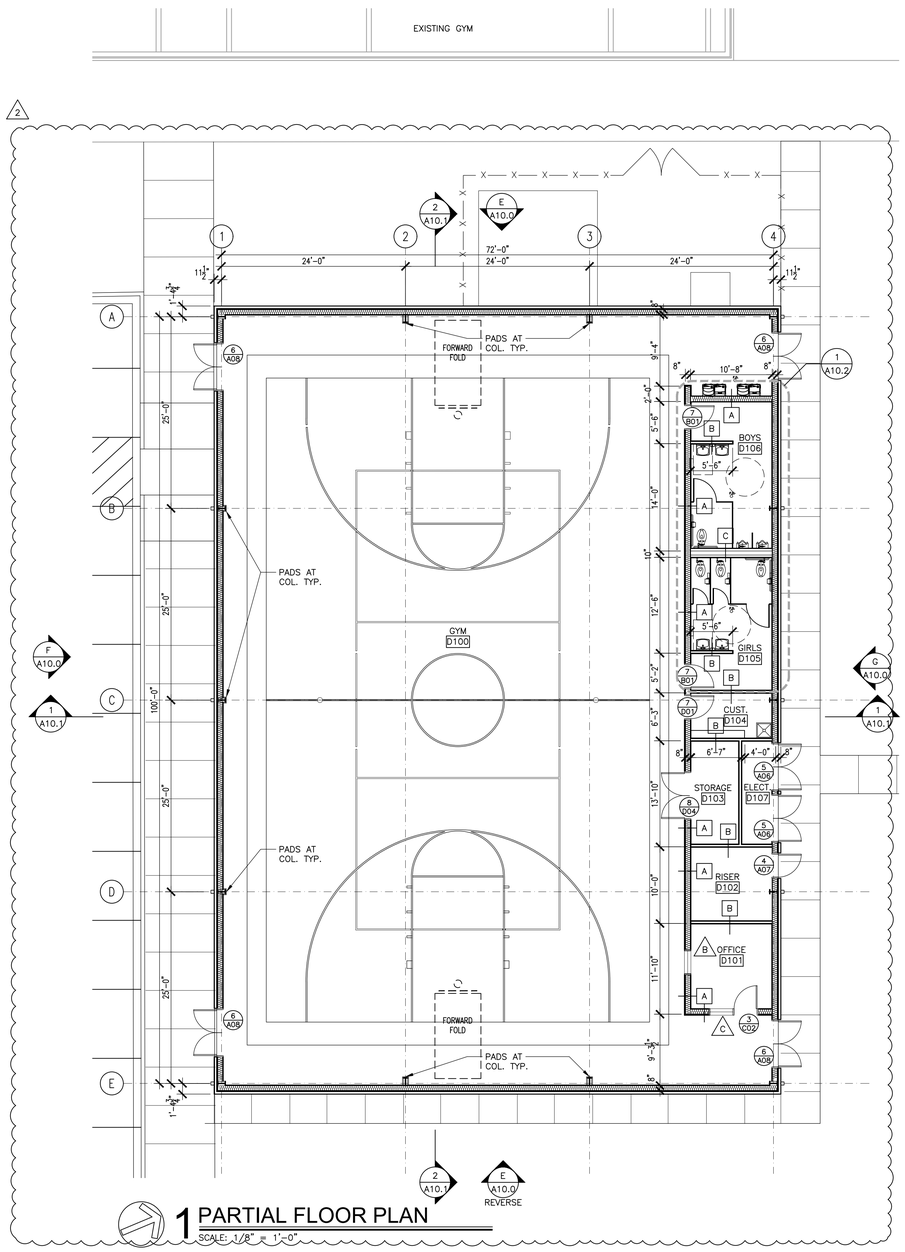
DOOR TYPE, DOOR RATING, HARDWARE SYMBOL, ACCESS CONTROL	DOOR TYPE, DOOR RATING, HARDWARE SYMBOL
ELEV. MARK, SHEET NUMBER	SECT. MARK, SHEET NUMBER
NEW DOOR AND SWING	ELEV. MARK, SHEET NUMBER, INT. ELEVATION
EWC ELECTRIC WATER COOLER	WALL PARTITION TYPE - ASSUME TYPE 'A' UNLESS NOTED OTHERWISE
TB TACK BOARD	EXTERIOR WINDOW
MB MARKER BOARD	STOREFRONT
FEC RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER	INTERIOR WINDOW
A200 ROOM NUMBER	FV FIELD VERIFY
EJ EXPANSION JOINT	AREA OF CONCRETE
FE SURFACE MOUNT FIRE EXTINGUISHER	F.D. FLOOR DRAIN
DS DOWNSPOUT	CJ CONTROL JOINT
SB SPLASHBLOCK	
BT BOOT	



PARTITION SCHEDULE

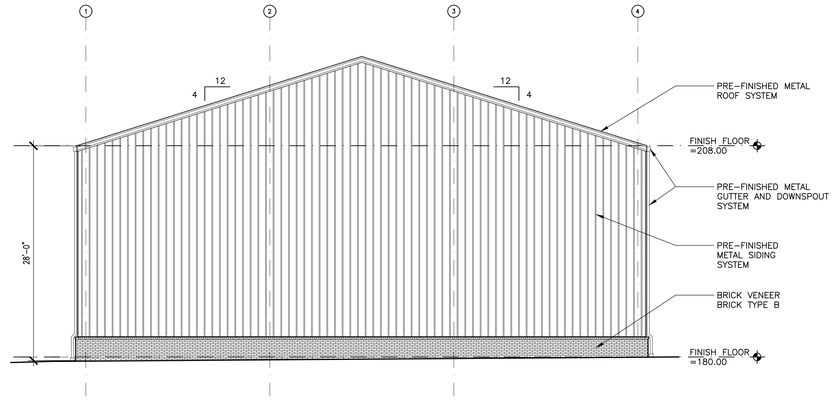
SCALE: NTS

NOTE: SEE LIFE SAFETY PLAN FOR FIRE RATING. PROVIDE FIRE DAMPERS AND SEAL ALL PENETRATIONS WITH FIRE CAULK AS REQUIRED AT RATED PARTITIONS AND BARRIERS. EXTEND ALL CORRIDOR WALLS TO BOTTOM OF STRUCTURE ABOVE AS REQUIRED.



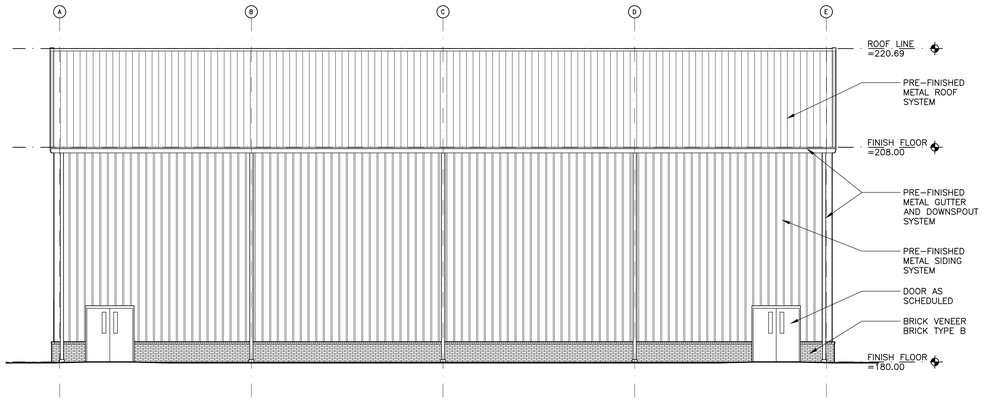
1 PARTIAL FLOOR PLAN

SCALE: 1/8" = 1'-0"



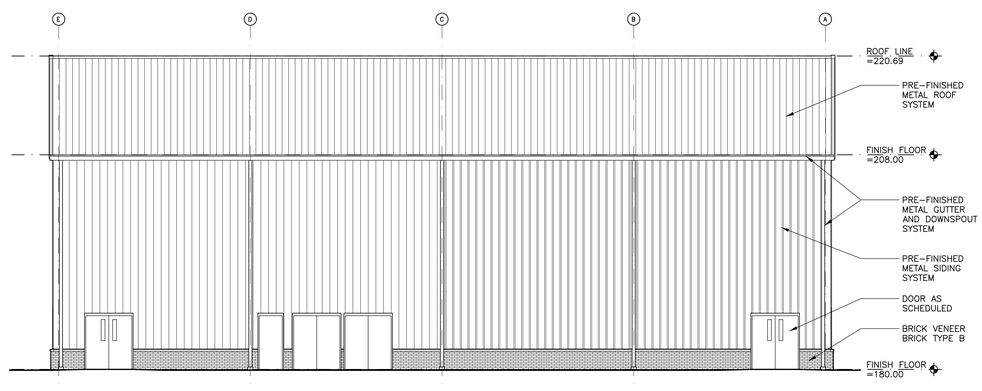
E ELEVATION

SCALE: 1/8" = 1'-0"



F ELEVATION

SCALE: 1/8" = 1'-0"



G ELEVATION

SCALE: 1/8" = 1'-0"

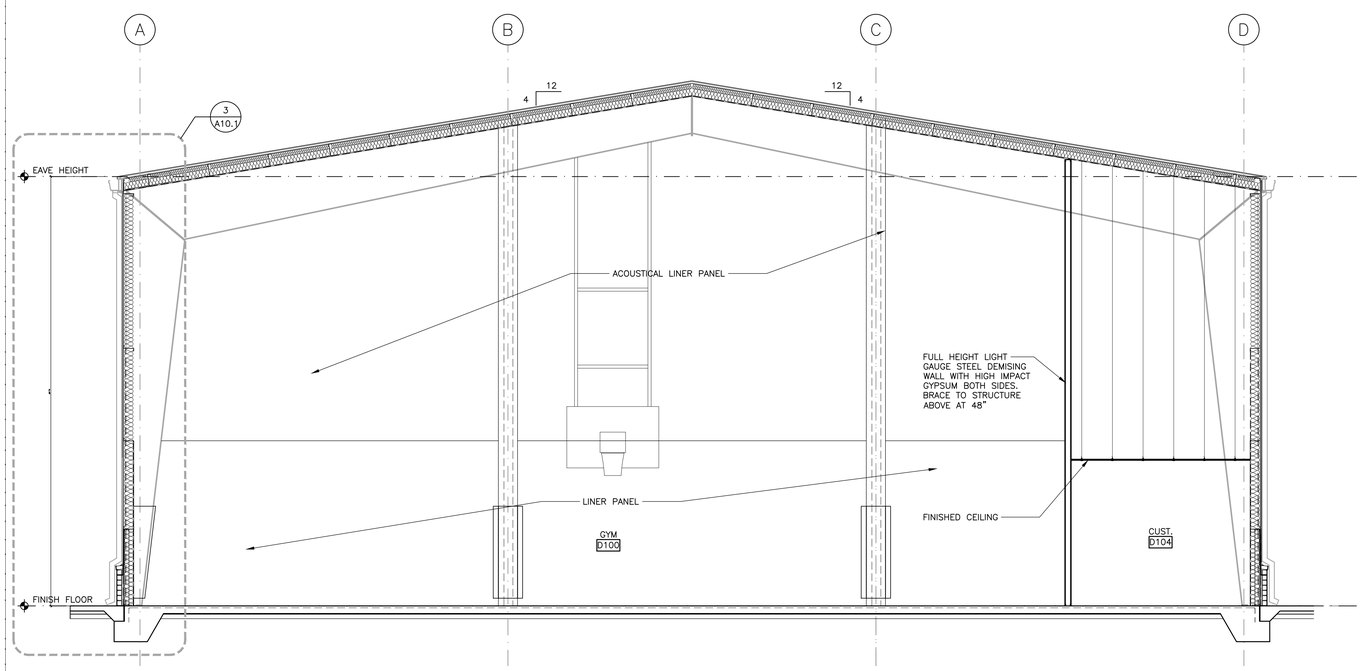
LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
GYM FLOOR PLAN & ELEVATIONS

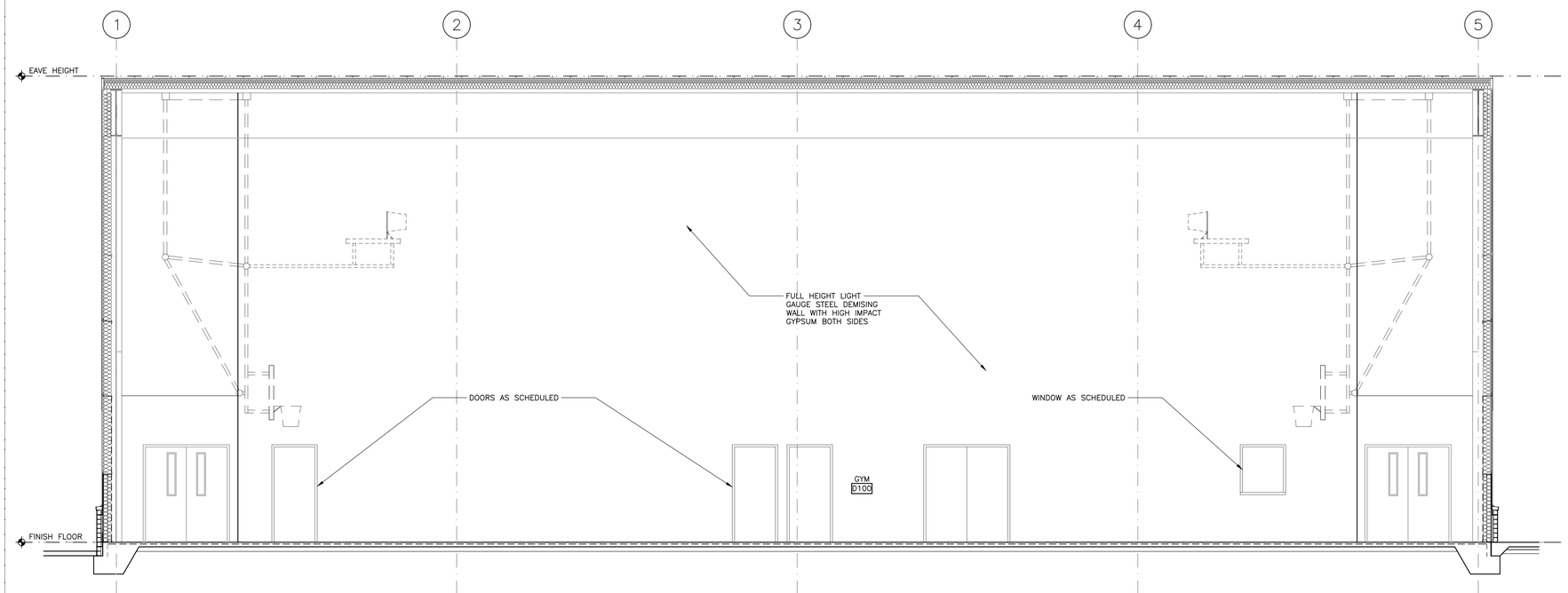
PROJ. MGR.: R. VERNON
DRAWN: JWW
DATE: 6/24/2024
REVISIONS
2 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A10.0
26 OF 29



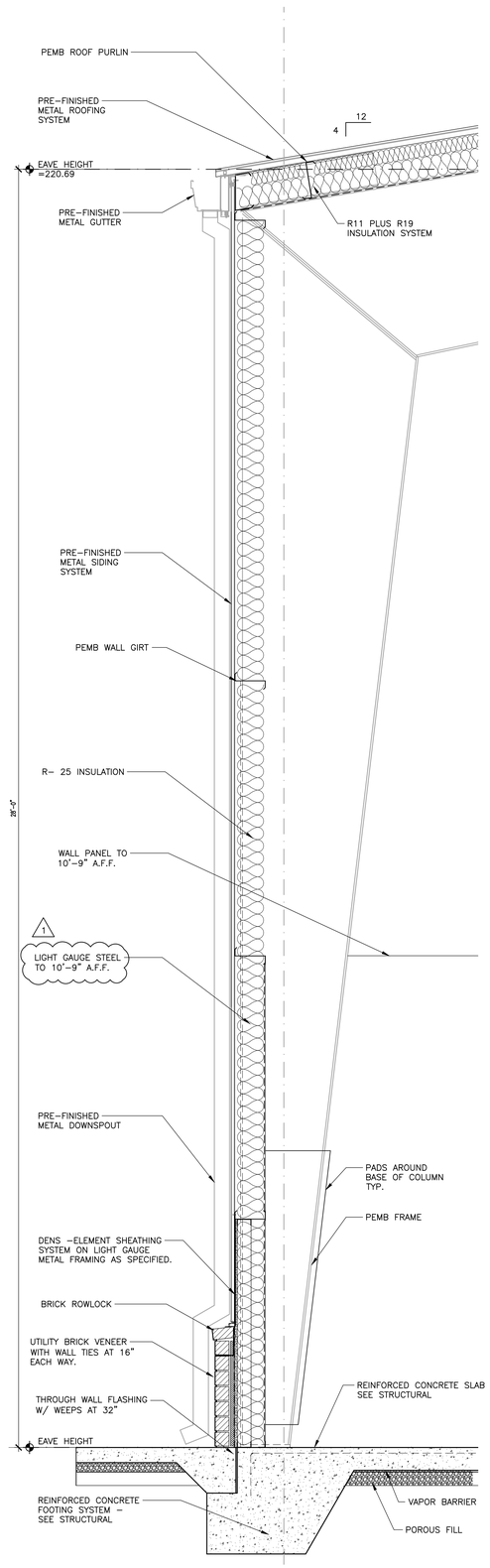
1 BUILDING SECTION

SCALE: 1/4" = 1'-0"



2 BUILDING SECTION

SCALE: 1/4" = 1'-0"



3 WALL SECTION

SCALE: 3/4" = 1'-0"

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
GYM FLOOR PLAN & ELEVATIONS

PROJ. MGR.:	R. VERNON
DRAWN:	–
DATE:	6/24/2024

REVISIONS

1	07.16.24	ADD #1
2	07.26.24	ADD #2

JOB NO. 24-38

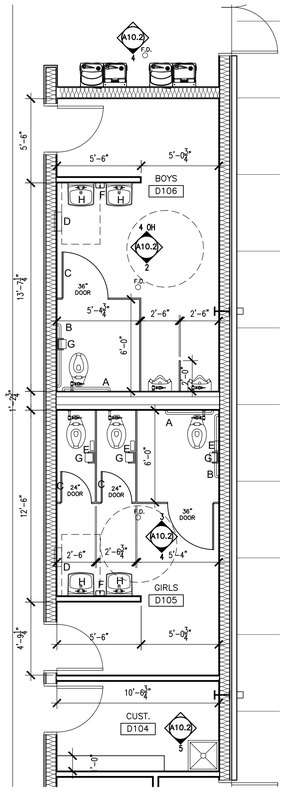
SHEET NO:

A10.1

27 OF 29

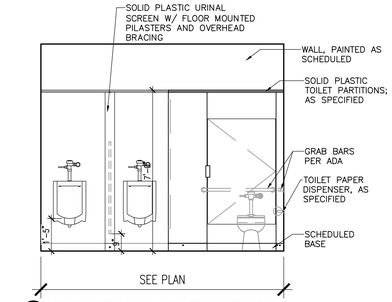
0 1" 2"

TOILET ACCESSORY LEGEND	
A	36" S.S. GRAB BAR
B	42" S.S. GRAB BAR
C	COAT HOOK (MOUNTED ON INTERIOR STALL DOOR)
D	ELECTRIC HAND DRYER
E	FEMININE NAPKIN DISPOSAL
F	SOAP DISPENSER
G	TOILET TISSUE DISPENSER
H	FRAMED MIRROR 18" X 30"
J	MOP HOLDER



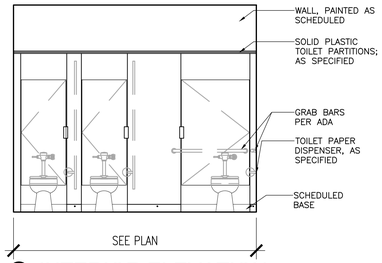
1 ENLARGED TOILET PLAN

1/4" = 1'-0"



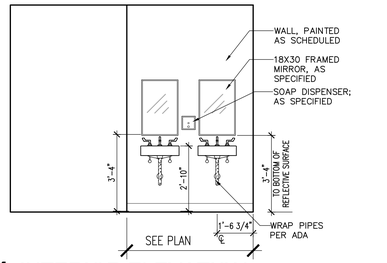
2 INTERIOR ELEVATION @BOYS D106

3/8" = 1'-0"



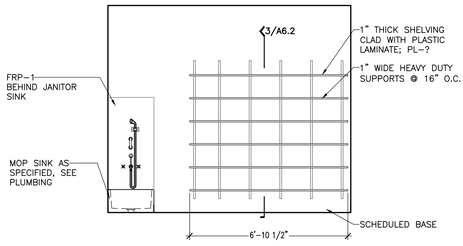
3 INTERIOR ELEVATION @GIRLS D105

3/8" = 1'-0"



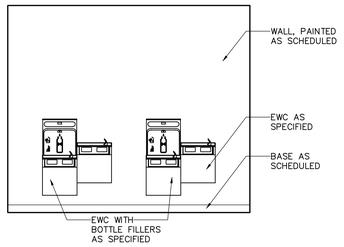
4 INTERIOR ELEVATION @GIRLS D105/BOYS D106

3/8" = 1'-0"



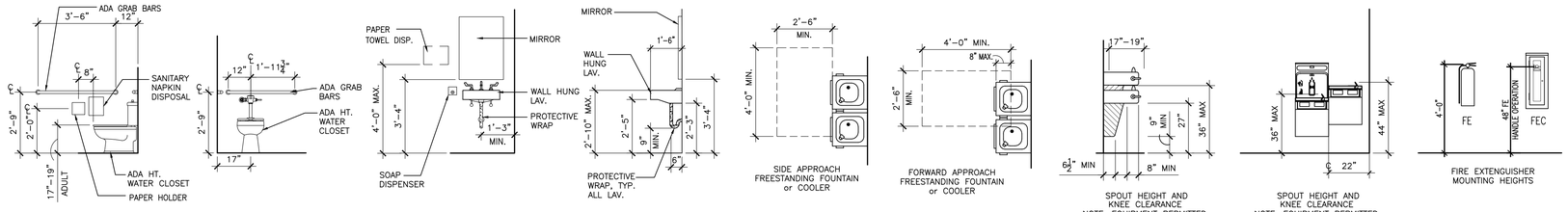
5 INTERIOR ELEVATION @JAN D104

3/8" = 1'-0"



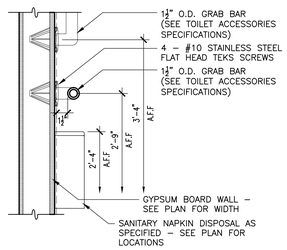
6 INTERIOR ELEVATION @EWC

3/8" = 1'-0"



TYPICAL ADA DETAILS

1/4" = 1'-0"



7 DETAIL @ADA GRAB BAR DETAIL

1-1/2" = 1'-0"

1

LATHAN ARCHITECTS

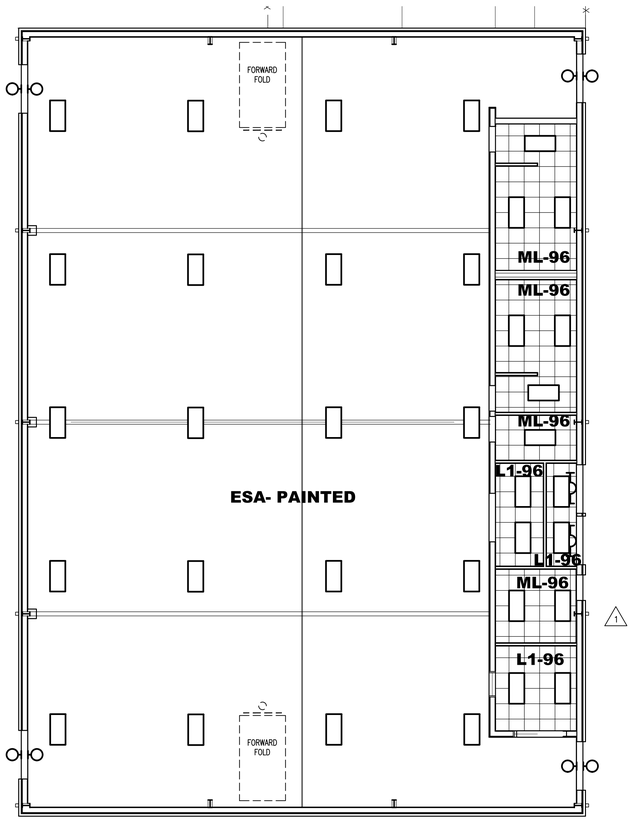
ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
GYM ENLARGED TOILET PLANS AND ELEVATIONS

PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS
1 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A10.2
28 OF 29

0 1" 2"



CEILING NOTES

1. ALL RATED GYPSUM BOARD CEILINGS TO BE TYPE "X" FIRE RATED GYPSUM BOARD. ALL GYPSUM BOARD WITHIN GYMNASIUM TO BE IMPACT RESISTANT
2. COORDINATE W/ MECH, PLUMBING, & ELECTRICAL DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL, PLUMBING, & ELECTRICAL SYSTEMS.
3. AFF - ABOVE FINISHED FLOOR
4. ALL CEILING HEIGHTS INDICATED ARE FROM ADJACENT FINISHED FLOOR.
5. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES.
6. ALL AREAS INDICATING NEW CEILING TO IMPLY DEMOLITION OF EXISTING CEILING SYSTEMS AS REQ'D THAT AREA.
7. ALL CEILING GRIDS ARE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
8. ALL MECHANICAL, ELECTRICAL AND PLUMBING ITEMS LOCATED IN ESA (EXPOSED STRUCTURE ABOVE) SHALL BE PAINTED AS DIRECTED BY ARCHITECT

CEILING LEGEND

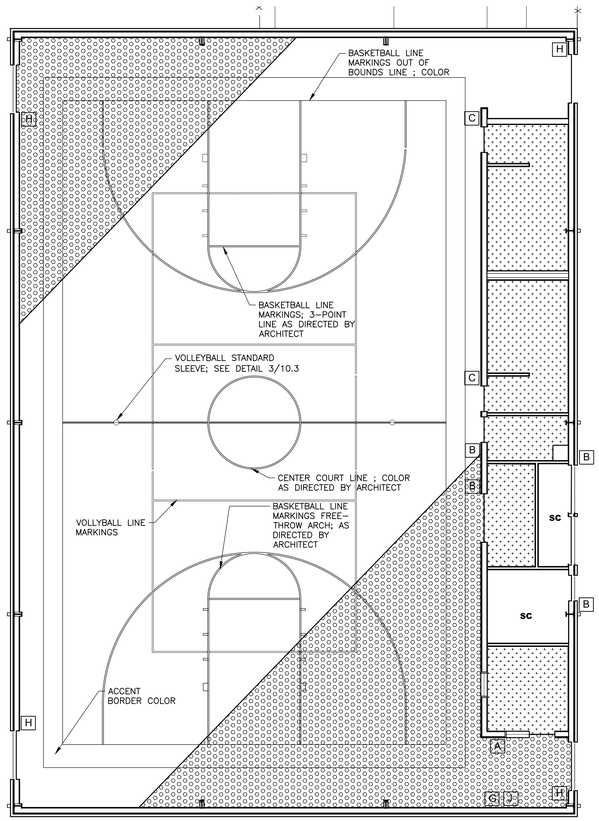
FIXTURE TYPES - SEE ELECTRICAL

CEILING TYPE	CEILING HEIGHTS
GB-GYPSUM BOARD	E = MAINTAIN EXIST. CEILING HEIGHT
MGB - MOISTURE RESISTANT GYPSUM BOARD	80 = 8'-0" AFF
MCS - METAL CEILING SYSTEM	84 = 8'-4" AFF
L1 - 2 x 2 LAY-IN ACOUSTICAL CEILING TILE, AS SPECIFIED	86 = 8'-6" AFF
ML - 2 x 2 MOISTURE RESISTANT LAY-IN	88 = 8'-8" AFF
NC - NO CEILING	810 = 8'-10" AFF
ESA - EXPOSED STRUCTURE ABOVE; PAINT	90 = 9'-0" AFF
	92 = 9'-2" AFF
	93 = 9'-3" AFF
	94 = 9'-4" AFF
	96 = 9'-6" AFF
	98 = 9'-8" AFF
	100 = 10'-0" AFF
	106 = 10'-6" AFF
	110 = 11'-0" AFF
REFER TO FINISH SYMBOLS ON PLAN FOR MATERIALS AND CEILING HEIGHTS	1110 = 11'-10" AFF
	112 = 11'-2" AFF
	120 = 12'-0" AFF
	126 = 12'-6" AFF
	160 = 16'-0" AFF
	200 = 20'-0" AFF
	240 =24'-0" AFF
	260 = 26'-0" AFF

CEILING TYPE — GB–90 — CEILING HEIGHT

1 REFLECTED CEILING PLAN

1/8" = 1'–0"



2 FLOOR FINISH PLAN

1/8" = 1'–0"

FINISH PATTERN LEGEND

- LVT–1 — LUXURY VINYL TILE
- ERF–1 — EPOXY RESIN FLOOR
- SC — SEALED CONCRETE
- MSC–1 — MODULAR SPORT COURT

INTERIOR SIGNAGE LEGEND

A	SIGN WITH MESSAGE STRIP (OFFICES/CLASSROOM/INSTRUCTIONAL AREA)
B	ROOM NUMBER AND NAME (STORAGE, ELECTRICAL, ETC)
C	RESTROOM SIGNAGE WITH PICTOGRAM/BRAILLE
D	NOT USED
E	NOT USED
F	NOT USED
G	FRAMED CLEAR VIEW SIGNAGE (8.5X11)
H	TACTILE EXIT SIGN TO EXTERIOR (EXIT)
J	OCCUPANT LOAD SIGN (ASSEMBLY SPACES)
K	BUILDING DEDICATION PLAQUE

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	MILLWORK FACE	MILLWORK TOP	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	DOOR FRAME	NOTES
D100	GYM	MSC-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
D101	OFFICE	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
D102	RISER	SC	NO BASE			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
D103	STORAGE	SC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
D104	CUSTODIAN	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
D105	GIRLS	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
D106	BOYS	ERF-1	ERB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN ALL WET AREAS
D107	ELECTRICAL	SC	NO BASE			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	

BASE(RUBBER/CERAMIC/PORCELAIN/WOOD)

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
RB–1	JOHNSONITE	COLOR:TO BE DETERMINED 4" RUBBER BASE	AS SCHEDULED
ERB–1	TORGINOL	MATCH ERF–1 4" INTEGRAL BASE	AS SCHEDULED

EPOXY RESIN

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
ERF–1	TORGINOL	COLOR: CUSTOM COLOR 4–COLOR MAX 1/4" BROADCAST FLAKES	AS SCHEDULED

LUXURY VINYL TILE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
LVT–1	INTERFACE	COLOR: TO BE DETERMINED COLLECTION: STUDIO SET LVT	AS SCHEDULED

PLASTIC LAMINATE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
PL–1	FORMICA	COLOR:5486–58 SMOKEY BROWN PEAR EDGEBAND:MATCH LAMINATE	COUNTERTOPS/CABINETS AND SINK BASE CABINETS

PAINT/STAIN

ITEM	MANUFACTURER	ITEM NUMBER/NAME	TYPE/LOCATION
PNT–1	SHERWIN WILLIAMS	COLOR: SW 7029 AGREEABLE GRAY	GENERAL WALLS EPOXY AT WET AREAS
PNT–2	SHERWIN WILLIAMS	COLOR: SW 7017 DORIAN GRAY	GENERAL TRIM

MODULAR SPORT COURT

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
MSC–1	SPORT COURT	COLOR: WOODGRAIN (LIGHT)	GYMNASIUM (FIELD)

FINISH ABBREVIATION LEGEND

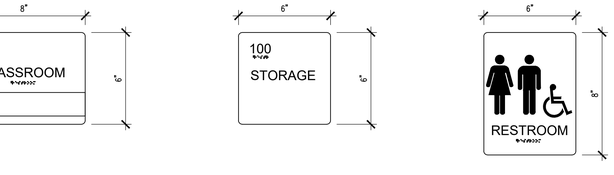
APF	ACOUSTIC PANEL FABRIC	PL	PLASTIC LAMINATE	TP	TACKABLE ACOUSTIC PANEL
CC	COATED CONCRETE	PM	PANEL MOULDING	TS	TACKABLE SURFACE
CM	CROWN MOLDING	PNT	PAINT	LVT	VINYL COMP. TILE
CPT	CARPET	PT	PORCELAIN TILE	WB	WOOD BASE
CR	CHAIR RAIL	PTB	PORCELAIN TILE BASE	WC	WALLCOVERING
CWT	CERAMIC WALL TILE	QT	QUARRY TILE	WF	WOOD FLOORING
ERB	EPOXY RESIN BASE	QTB	QUARRY TILE BASE	WP	WOOD PANELING
ERF	EPOXY RESIN FLOOR	RB	RUBBER BASE	WV	WOOD VENEER
ESD	STATIC CONTROL TILE	RF	RUBBER FLOOR		
GYP	GYPSUM BOARD	SC	SEALED CONCRETE		
IC	IMPRINTED CONCRETE	STC	STAINED CONCRETE		
LVT	LUXURY VINYL TILE	SS	SOLID SURFACE		
		ST	STAIN		

FINISH NOTES

ALL WALLS TO BE PAINTED PNT–1 UNLESS NOTED OTHERWISE.

ALL WALLS LOCATED IN WET AREAS SHALL HAVE EPOXY BASED PAINT

ALL ROOM NUMBERS SHOULD BE USED FOR CONSTRUCTION PURPOSES ONLY.



INTERIOR SIGNAGE (SIGN TYPE - A)

SCALE: 3" = 1'–0"

INTERIOR SIGNAGE (SIGN TYPE - B)

SCALE: 3" = 1'–0"

INTERIOR SIGNAGE (SIGN TYPE - C)

SCALE: 3" = 1'–0"

INTERIOR SIGNAGE (SIGN TYPE - D)

NOT USED

SCALE: 3" = 1'–0"

INTERIOR SIGNAGE (SIGN TYPE - E)

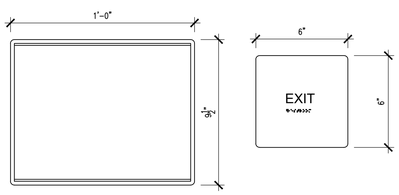
NOT USED

SCALE: 3" = 1'–0"

INTERIOR SIGNAGE (SIGN TYPE - F)

NOT USED

SCALE: 3" = 1'–0"

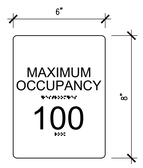


INTERIOR SIGNAGE (SIGN TYPE - G)

SCALE: 3" = 1'–0"

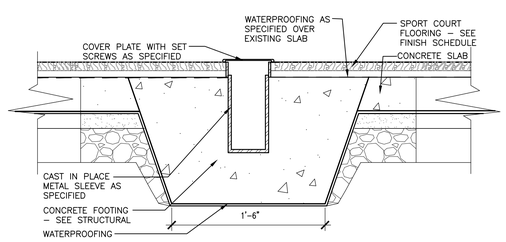
INTERIOR SIGNAGE (SIGN TYPE - H)

SCALE: 3" = 1'–0"



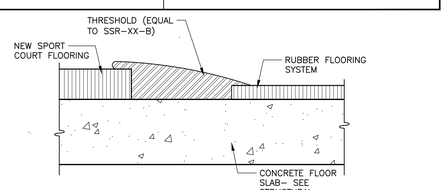
INTERIOR SIGNAGE (SIGN - TYPE J)

SCALE: 3" = 1'–0"



3 DETAIL @ NEWCOMB (VOLLEYBALL) POLE SLEEVE

SCALE: 1–1/2" = 1'–0"



4 TRANSITION DETAIL @RUBBER FLOORING TO SPORT COURT

NOT TO SCALE

LATHAN ARCHITECTS

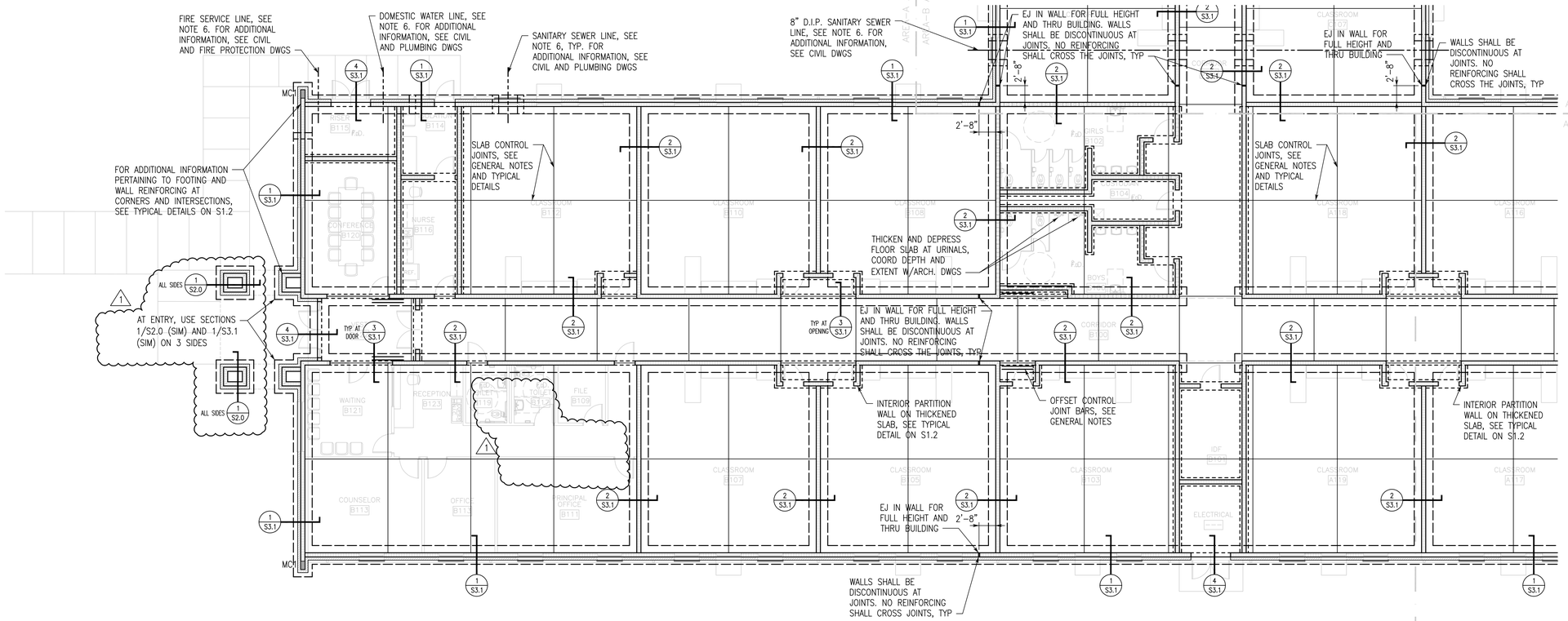
ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

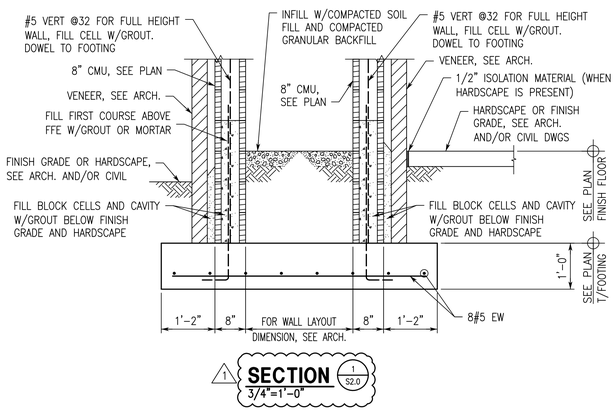
SHEET TITLE:
GYM REFLECTING CEILING PLAN AND FINISH FLOOR PLAN; LEGENDS AND SCHEDULES

PROJ. MGR.: R. VERNON
DRAWN: BL
DATE: 6/24/2024
REVISIONS
1 07.16.24 ADD #1
2 07.26.24 ADD #2

JOB NO. 24-38
SHEET NO:
A10.3
29 OF 29

SDG
STRUCTURAL DESIGN GROUP
300 Chase Park South, Suite 125
Hoover, AL 35244
tel 205-824-5300
fax 205-824-5280
Job Number 24-109



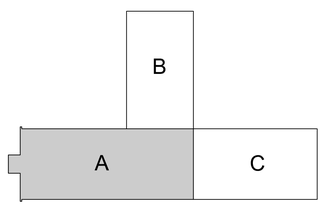


SECTION
3/4"=1'-0"

PROJECT NORTH

PARTIAL FOUNDATION PLAN - AREA A
1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION (FFE) 177.15', UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0", UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. FOR SLAB RECESS AND RAMP LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
5. GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
6. FOOTING STEP LOCATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL (EXTERIOR & INTERIOR) FOOTING STEPS WITH THE LATEST CIVIL, PLUMBING AND UTILITY DRAWINGS. SEE FOOTING STEP DETAIL ON S1.2.
7. FOOTING WIDTHS INDICATED ON PLAN MAY OR MAY NOT BE TO SCALE. COORDINATE WITH SECTION CUTS FOR FOOTING WIDTHS AND ADDITIONAL INFORMATION.
8. MC# INDICATES MASONRY COLUMN. SEE SHEET S1.3 FOR ADDITIONAL INFORMATION.
9. C# INDICATES STEEL OR CONCRETE COLUMN. SEE SCHEDULE ON S1.3 AND COLUMN BASE AND FOOTING DETAIL ON S1.2 AND S1.3.
10. F# INDICATES CONCRETE SPREAD FOOTING. SEE SCHEDULE ON S1.3 AND COLUMN BASE AND FOOTING DETAIL ON S1.2 AND S1.3.
11. FOR PAVEMENT AND HARDSCAPE INFORMATION, SEE ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS.
12. FOR LOAD BEARING AND NON-LOAD BEARING CMU WALL PLAN DIMENSIONS AS WELL AS OTHER PLAN DIMENSIONS, SEE ARCHITECTURAL DRAWINGS.



PROJECT NORTH

KEY PLAN
N.T.S.

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WINN
H. Craig Winn, P.E.
7/26/2024

SHEET TITLE:
PARTIAL FOUNDATION PLAN - AREA A

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	6/24/2024

REVISIONS
1 ADDENDUM NO. 2 07-26-2024

JOB NO. 24-38
SHEET NO:
S2.0
7 OF 16

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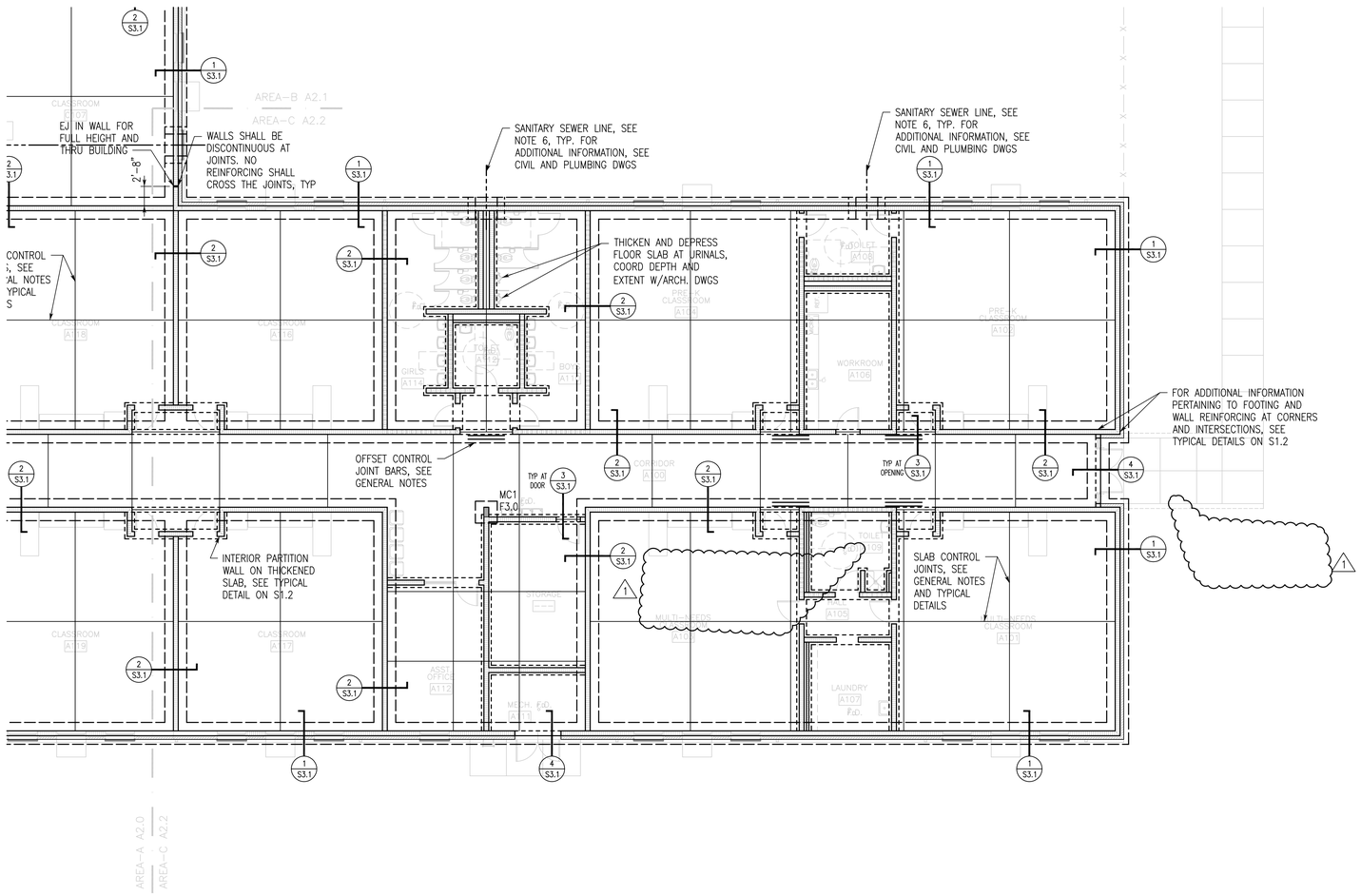
Job Number 24-109

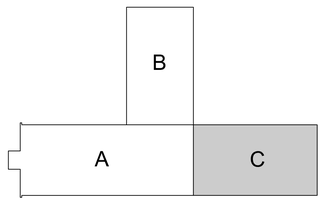


PROJECT NORTH

PARTIAL FOUNDATION PLAN - AREA C

1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION (FFE) 177.15', UNLESS NOTED.
2. TOP OF FOOTING ELEVATION –2'–0", UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. FOR SLAB RECESS AND RAMP LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
5. GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
6. FOOTING STEP LOCATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL (EXTERIOR & INTERIOR) FOOTING STEPS WITH THE LATEST CIVIL, PLUMBING AND UTILITY DRAWINGS. SEE FOOTING STEP DETAIL ON S1.2.
7. FOOTING WIDTHS INDICATED ON PLAN MAY OR MAY NOT BE TO SCALE. COORDINATE WITH SECTION CUTS FOR FOOTING WIDTHS AND ADDITIONAL INFORMATION.
8. MC# INDICATES MASONRY COLUMN. SEE SHEET S1.3 FOR ADDITIONAL INFORMATION.
9. C# INDICATES STEEL OR CONCRETE COLUMN. SEE SCHEDULE ON S1.3 AND COLUMN BASE AND FOOTING DETAIL ON S1.2 AND S1.3.
10. F# INDICATES CONCRETE SPREAD FOOTING. SEE SCHEDULE ON S1.3 AND COLUMN BASE AND FOOTING DETAIL ON S1.2 AND S1.3.
11. FOR PAVEMENT AND HARDSCAPE INFORMATION, SEE ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS.
12. FOR LOAD BEARING AND NON–LOAD BEARING CMU WALL PLAN DIMENSIONS AS WELL AS OTHER PLAN DIMENSIONS, SEE ARCHITECTURAL DRAWINGS.



PROJECT NORTH

KEY PLAN

N.T.S.

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WINN
H. Craig Winn P.E.
7/26/2024

SHEET TITLE:
PARTIAL FOUNDATION PLAN - AREA C

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	6/24/2024

REVISIONS
1 ADDENDUM NO. 2 07–26–2024

JOB NO. 24-38
SHEET NO:
S2.2
9 OF 16

SDG
STRUCTURAL DESIGN GROUP
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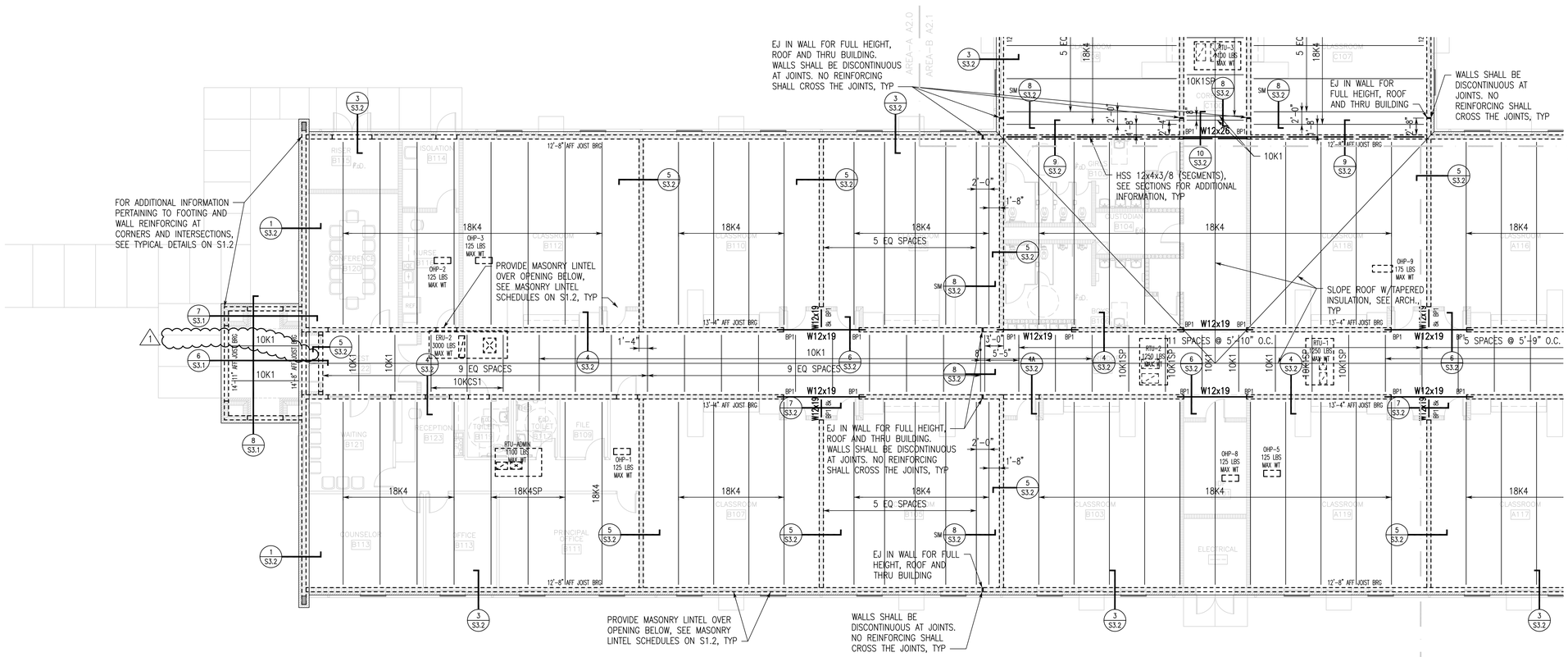
Job Number 24-109

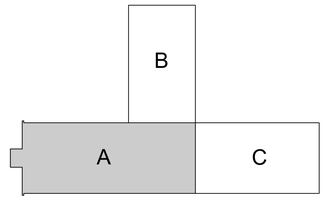


PROJECT NORTH

PARTIAL ROOF FRAMING PLAN - AREA A

1/8"=1'-0"

1. TOP OF STEEL (JOIST BEARING) ELEVATION 177.15' FFE, SEE PLAN AND/OR SECTIONS.
2. ROOF SYSTEM: 1 1/2" STEEL ROOF DECK, 20 GAGE, ON STEEL JOISTS AT 6'-0" MAXIMUM ON CENTER (UNLESS NOTED OTHERWISE), SEE GENERAL NOTES. ANCHOR METAL DECK TO JOISTS WITH #12 SCREWS IN 36/4 PATTERN WITH 2#10 SIDELAP SCREWS BETWEEN JOISTS.
3. TOP OF STEEL IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
4. SPACE STEEL JOISTS EQUALLY BETWEEN FACE OF WALLS, UNLESS NOTED.
5. EQUIPMENT LOCATIONS AND WEIGHTS SHOWN ARE APPROXIMATE. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT AND LOCATION OF ALL MECHANICAL UNITS WITH THE JOIST MANUFACTURER. DO NOT SCALE FROM THIS DRAWING. PROVIDE ROOF EQUIPMENT FRAME AT ALL MECHANICAL UNITS. SEE DETAIL ON S1.4.
6. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE JOIST MANUFACTURER. FOR PIPING WEIGHTS, SEE TYPICAL DETAILS ON S1.3.
7. AT JOISTS DESIGNATED "SP", JOIST MANUFACTURER SHALL DESIGN JOISTS FOR 25 PSF DEAD LOAD AND 20 PSF LIVE LOAD PLUS ANY ADDITIONAL LOADS SHOWN ON PLANS, NOTED IN PLAN NOTES, AND/OR SHOWN/NOTED IN SECTIONS. LIMIT DEAD LOAD DEFLECTION OF JOISTS TO 0.75".
8. PROVIDE MASONRY AND VENEER LINTELS AT ALL OPENINGS, SEE SCHEDULE ON S1.2.
9. AT K-SERIES, PROVIDE 3 1/2" JOIST SEAT DEPTHS TYPICAL, UNLESS NOTED.
10. CONTRACTOR NOTE: ALL MECHANICAL OPENING SIZES AND LOCATIONS IN LOAD BEARING MASONRY WALL SHOULD BE COORDINATED BY THE CONTRACTOR AND INDICATED ON THE MASONRY WALL REINFORCING SHOP DRAWINGS.
11. CONTRACTOR COORDINATE ALL HANGER LOADS AND LOCATIONS WITH JOIST MANUFACTURER.
12. CONTRACTOR COORDINATE STEEL JOIST LAYOUT BASED ON REQUIRED EQUIPMENT LOCATIONS AND ORIENTATIONS AS WELL AS DUCT ROUTING.
13. FOR SOFFIT FRAMING, PROVIDE 6"x18 GAUGE METAL STUDS AT 16" ON CENTER. EXTEND STUDS TO ATTACH TO CMU WALLS WITH METAL STUD TRACK AT EACH END. ANCHOR TRACKS TO CMU WALLS WITH 2#12 MASONRY SCREWS AT 16" ON CENTER AND ATTACH STUDS TO TRACKS WITH #12 SCREW INTO EACH FLANGE (TOP AND BOTTOM). FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL DRAWINGS.
14. "BP" INDICATES BEAM BEARING PLATE, SEE TYPICAL DETAILS ON S1.3.
15. PRE-MANUFACTURED WALKWAY/CANOPY/SUNSHADE, PROVIDE 16" DEEP BOND BEAM AS REQUIRED FOR SYSTEM ANCHORAGE. 16" DEEP BOND BEAM IS TO BE CONSTRUCTED OF (2) 8" DEEP FORM BLOCKS WITH 2#5 CONTINUOUS. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL DRAWINGS. CONNECTIONS TO BUILDING BY SYSTEM MANUFACTURER, CONTRACTOR COORDINATE. DO NOT ANCHOR SYSTEM TO VENEER. ANCHOR SYSTEM INTO LOAD BEARING MASONRY WALL WITH THREADED RODS IN PIPE SLEEVES.



PROJECT NORTH

KEY PLAN

N.T.S.

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WINN
H. Craig Winn, P.E.
7/26/2024

SHEET TITLE:
PARTIAL ROOF FRAMING PLAN - AREA A

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	6/24/2024

REVISIONS
1 ADDENDUM NO. 2 07-26-2024

JOB NO. 24-38

SHEET NO:
S2.3
10 OF 16

0 1" 2"

SDG
STRUCTURAL DESIGN GROUP
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Hoover, AL 35244
tel 205-824-5300
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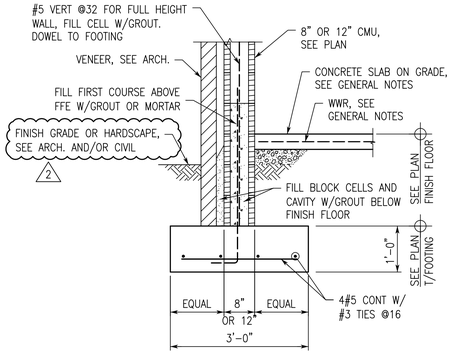
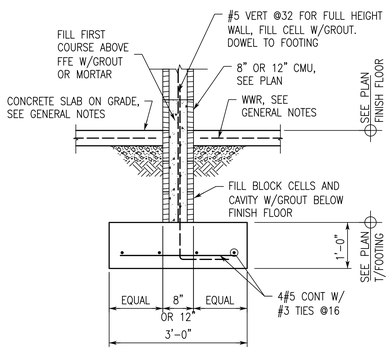
Job Number 24-109

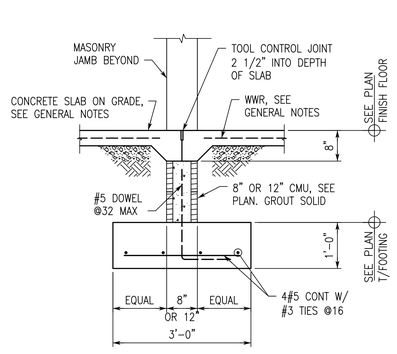


SECTION 1/S3.1
3/4"=1'-0"

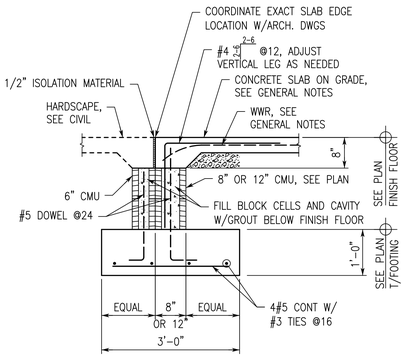
NOTE:
WHERE FINISH GRADE ELEVATION (FGE) IS HIGHER THAN FINISH FLOOR ELEVATION (FFE), FILL ALL BLOCK CELLS AND CAVITIES FROM FIRST COURSE ABOVE FGE AND BELOW W/GROUT. FOR FGE, SEE CIVIL.



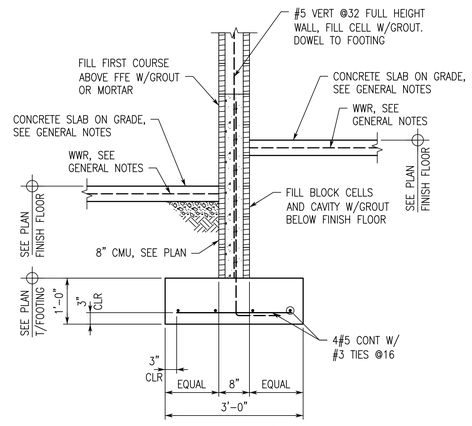
SECTION 2/S3.1
3/4"=1'-0"



SECTION 3/S3.1
3/4"=1'-0"

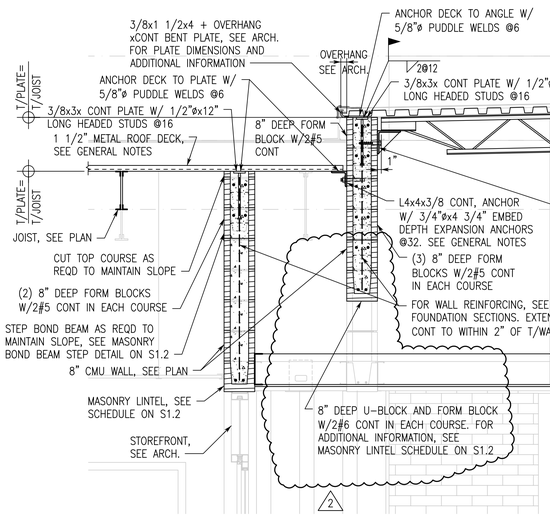


SECTION 4/S3.1
3/4"=1'-0"



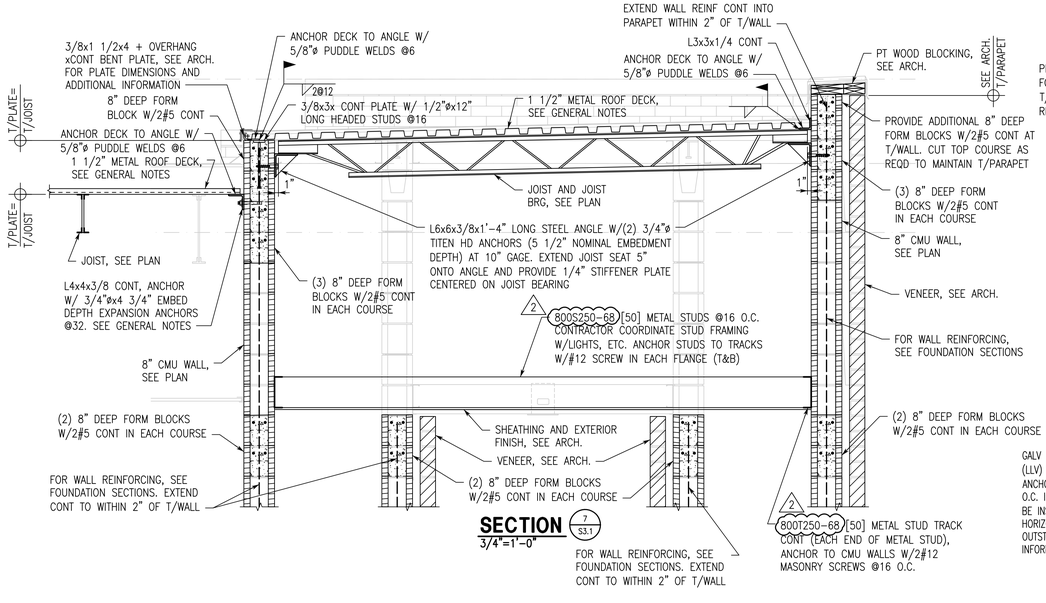
SECTION 5/S3.1
3/4"=1'-0"

NOTE:
AT SIMILAR CONDITION, FINISH FLOOR ELEVATION IN CORRIDOR VARIES DUE TO THE PRESENCE OF A RAMP.

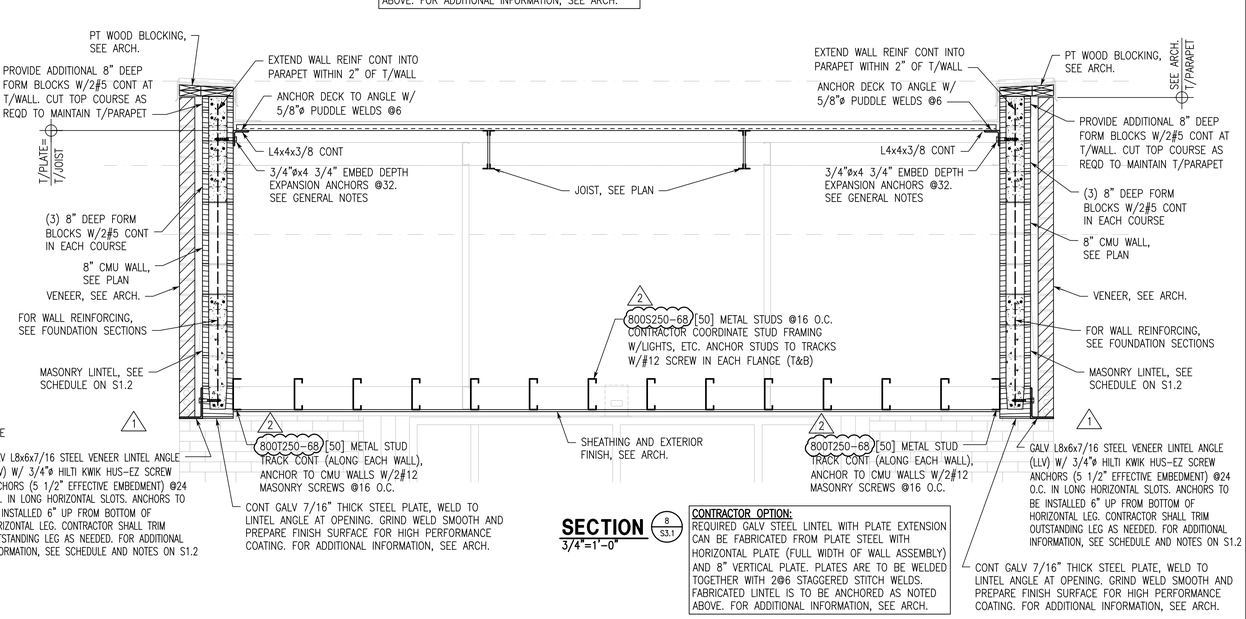


SECTION 6/S3.1
3/4"=1'-0"

CONTRACTOR OPTION:
REQUIRED GALV STEEL LINTEL WITH PLATE EXTENSION CAN BE FABRICATED FROM PLATE STEEL WITH HORIZONTAL PLATE (FULL WIDTH OF WALL ASSEMBLY) AND 8" VERTICAL PLATE. PLATES ARE TO BE WELDED TOGETHER WITH 2@6 STAGGERED STITCH WELDS. FABRICATED LINTEL IS TO BE ANCHORED AS NOTED ABOVE. FOR ADDITIONAL INFORMATION, SEE ARCH.



SECTION 7/S3.1
3/4"=1'-0"



SECTION 8/S3.1
3/4"=1'-0"

CONTRACTOR OPTION:
REQUIRED GALV STEEL LINTEL WITH PLATE EXTENSION CAN BE FABRICATED FROM PLATE STEEL WITH HORIZONTAL PLATE (FULL WIDTH OF WALL ASSEMBLY) AND 8" VERTICAL PLATE. PLATES ARE TO BE WELDED TOGETHER WITH 2@6 STAGGERED STITCH WELDS. FABRICATED LINTEL IS TO BE ANCHORED AS NOTED ABOVE. FOR ADDITIONAL INFORMATION, SEE ARCH.

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WINN
H. Craig Winn P.E.
7/26/2024

SHEET TITLE:
SECTIONS AND DETAILS

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	6/24/2024
REVISIONS	
1	ADDENDUM NO. 1 07-16-2024
2	ADDENDUM NO. 2 07-26-2024

JOB NO. 24-38

SHEET NO:
S3.1
13 OF 16

0 1" 2"

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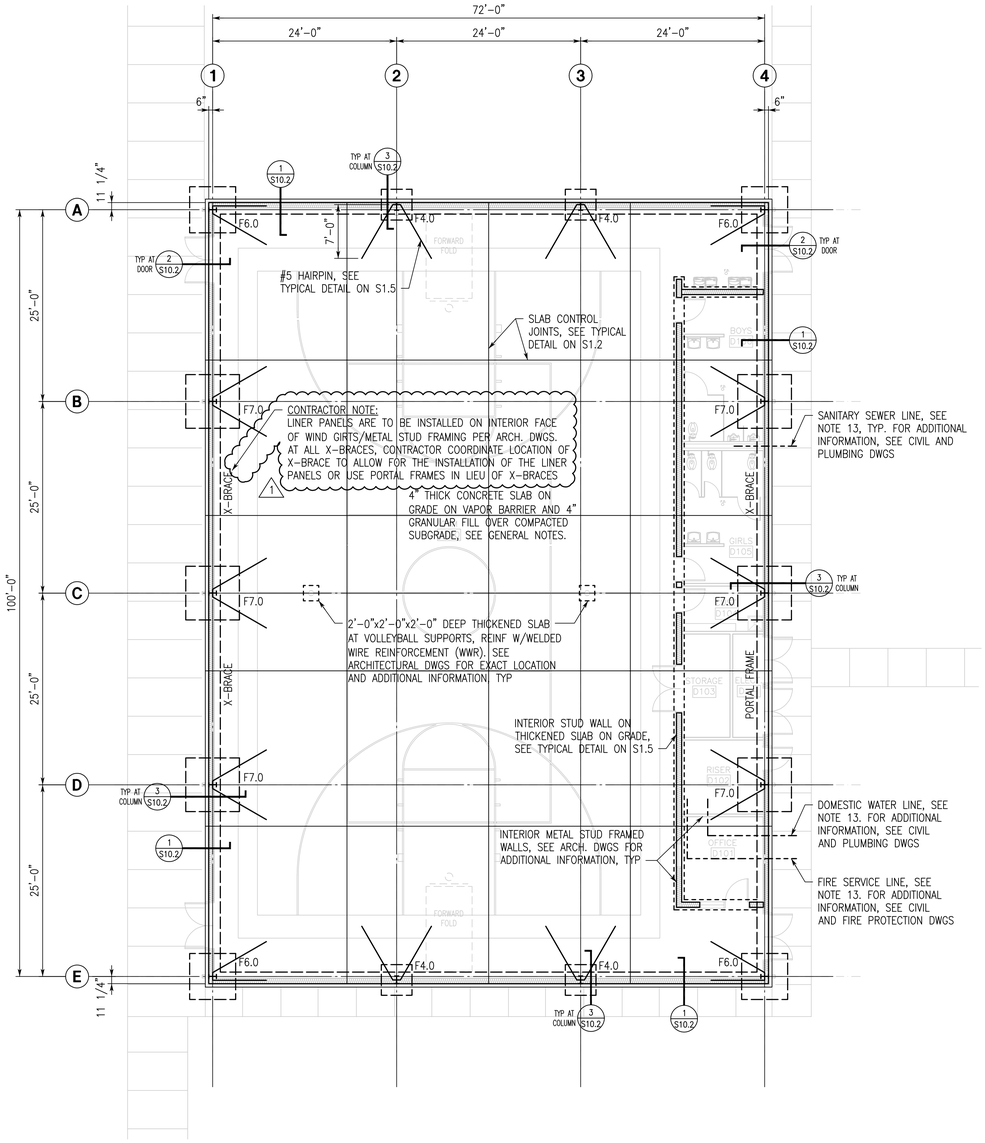
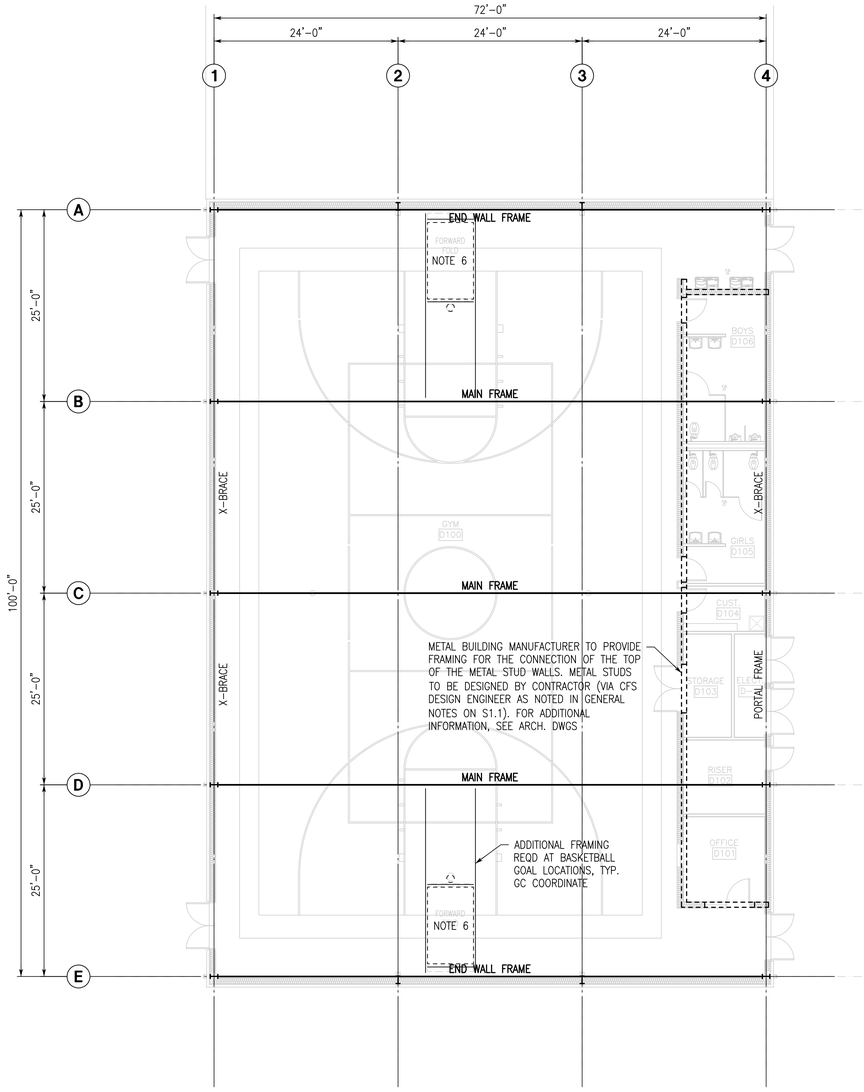
Job Number 24-109





PROJECT NORTH

GYMNASIUM FOUNDATION PLAN

1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 180.00', UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0" BELOW FINISH FLOOR, UNLESS NOTED.
3. FOR GENERAL NOTES, SEE SHEETS S1.0 AND S1.1.
4. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
5. FOR SLAB RECESS SIZE AND LOCATION, SEE ARCHITECTURAL DRAWINGS.
6. GENERAL CONTRACTOR SHALL CUT SAWN JOINTS NO MORE THAN 8 HOURS AFTER STEEL TROWEL FINISH ON SLAB.
7. GENERAL CONTRACTOR TO COORDINATE ALL DRAWINGS WITH THE METAL BUILDING SUPPLIER BEFORE FOUNDATION INSTALLATION BEGINS. SEE GENERAL NOTES ON S1.1 FOR ADDITIONAL INFORMATION.
8. GENERAL CONTRACTOR SHALL OBTAIN AND LAYOUT COLUMN ANCHOR RODS FROM ANCHOR ROD SETTING PLAN PROVIDED BY THE METAL BUILDING MANUFACTURER.
9. FOR PRE-FABRICATED METAL BUILDING, SEE GENERAL NOTES ON S1.1.
10. "F#" INDICATES CONCRETE SPREAD FOOTING. SEE SCHEDULE ON THIS SHEET FOR SIZE AND REINFORCING.
11. COORDINATE ALL BUILDING OFFSETS AND SLAB EDGES WITH ARCHITECTURAL DRAWINGS.
12. FOR PAVEMENT AND HARDSCAPE INFORMATION, SEE ARCHITECTURAL AND CIVIL DRAWINGS.
13. FOR UTILITIES BENEATH THE TURN DOWN FOOTING, SEE PLUMBING LINE BELOW TURN DOWN FOOTING TYPICAL DETAIL ON S1.5. NO UTILITY LINES ARE TO BE BENEATH METAL BUILDING COLUMN SPREAD FOOTINGS. IF A UTILITY LINE IS BENEATH A SPREAD FOOTING, THEN THE UTILITY LINE IS TO BE REROUTED AND PASS BENEATH THE TURN DOWN FOOTING AWAY FROM THE SPREAD FOOTING.

FOOTING SCHEDULE

	FOOTING DESIGNATION	F4.0	F6.0	F7.0
FOOTING	SIZE (LxW)	4'-0"x4'-0"	6'-0"x6'-0"	7'-0"x7'-0"
	DEPTH (D)	1'-6"	1'-6"	1'-6"
	REINF EW (BOT)	4#5	6#6	7#6
	NOTES	1	1	1

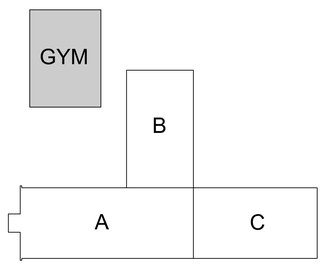
NOTES:
1. PROVIDE SCHEDULED REINFORCING AT TOP AND BOTTOM OF FOOTING.

PROJECT NORTH

GYMNASIUM ROOF FRAMING PLAN

1/8"=1'-0"

1. ROOF SYSTEM: PREFABRICATED METAL BUILDING FRAMES WITH PURLINS SUPPORTING STANDING SEAM METAL ROOFING.
2. METAL BUILDING MANUFACTURER TO USE FRAME LINES AS INDICATED. WHERE THIS IS NOT FEASIBLE THE METAL BUILDING SHOP DRAWINGS SHOULD CLEARLY DESIGNATE ANY DEVIATIONS. ARCHITECT MUST APPROVE ANY CHANGES MADE TO FRAME LAYOUT PRIOR TO FABRICATION.
3. LOCATIONS OF PORTAL AND BRACED FRAMES FOR LATERAL STABILITY OF THE STRUCTURE TO BE AS DIRECTED BY THE METAL BUILDING MANUFACTURER. EVERY EFFORT SHOULD BE MADE TO COORDINATE FRAMES WITH EXISTING ARCHITECTURE. LOCATIONS AND SIZE OF FRAME ELEMENTS SHOULD BE CLEARLY DEFINED ON SHOP DRAWINGS SUBMITTED FOR APPROVAL.
4. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY GENERAL CONTRACTOR WITH THE METAL BUILDING MANUFACTURER. FOR PIPING WEIGHTS, SEE TABLE ON SHEET S1.3.
5. CONTRACTOR COORDINATE SPRINKLER PIPING LOADS WITH METAL BUILDING MANUFACTURER. FOR PIPING WEIGHTS, SEE TABLE ON SHEET S1.3. PIPING WILL RESULT IN A CONCENTRATED LOAD AT HANGER LOCATIONS. COORDINATE MAXIMUM HANGER SPACING WITH METAL BUILDING MANUFACTURER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF BASKETBALL GOAL SUPPORTS AND THEIR ATTACHMENT TO THE ROOF STRUCTURE. PROVIDE ADDITIONAL FRAMING AS NECESSARY TO FRAME GOALS BETWEEN MAIN AND END WALL FRAMES AS SHOWN. SUBMIT SHOP DRAWINGS SHOWING DETAILING OF GOAL SUPPORTS AND ATTACHMENT TO ROOF STRUCTURE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER. COORDINATE APPLIED LOADS AND ATTACHMENT TO ROOF STRUCTURE WITH METAL BUILDING MANUFACTURER.
7. WHERE ROOF SUPPORTED/SUSPENDED MECHANICAL UNITS ARE LOCATED, THE CONTRACTOR SHALL COORDINATE ALL LOADING, CURB SUPPORTS, OPENING FRAMING AND/OR ANY ADDITIONAL SUPPORT REQUIREMENTS WITH THE METAL BUILDING MANUFACTURER. THE METAL BUILDING MANUFACTURER SHALL PROVIDE ALL FRAMING AS REQUIRED TO SUPPORT THE MECHANICAL UNITS AND CURBS. PROVIDE ADDITIONAL FRAMING AS NECESSARY TO FRAME BETWEEN MAIN AND/OR END WALL FRAMES.



PROJECT NORTH

KEY PLAN

N.T.S.

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
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13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WINN
H. Craig Winn P.E.
7/26/2024

SHEET TITLE:
GYMNASIUM FOUNDATION AND ROOF FRAMING PLAN

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	6/24/2024

REVISIONS

1	ADDENDUM NO. 2 07-26-2024

JOB NO. 24-38

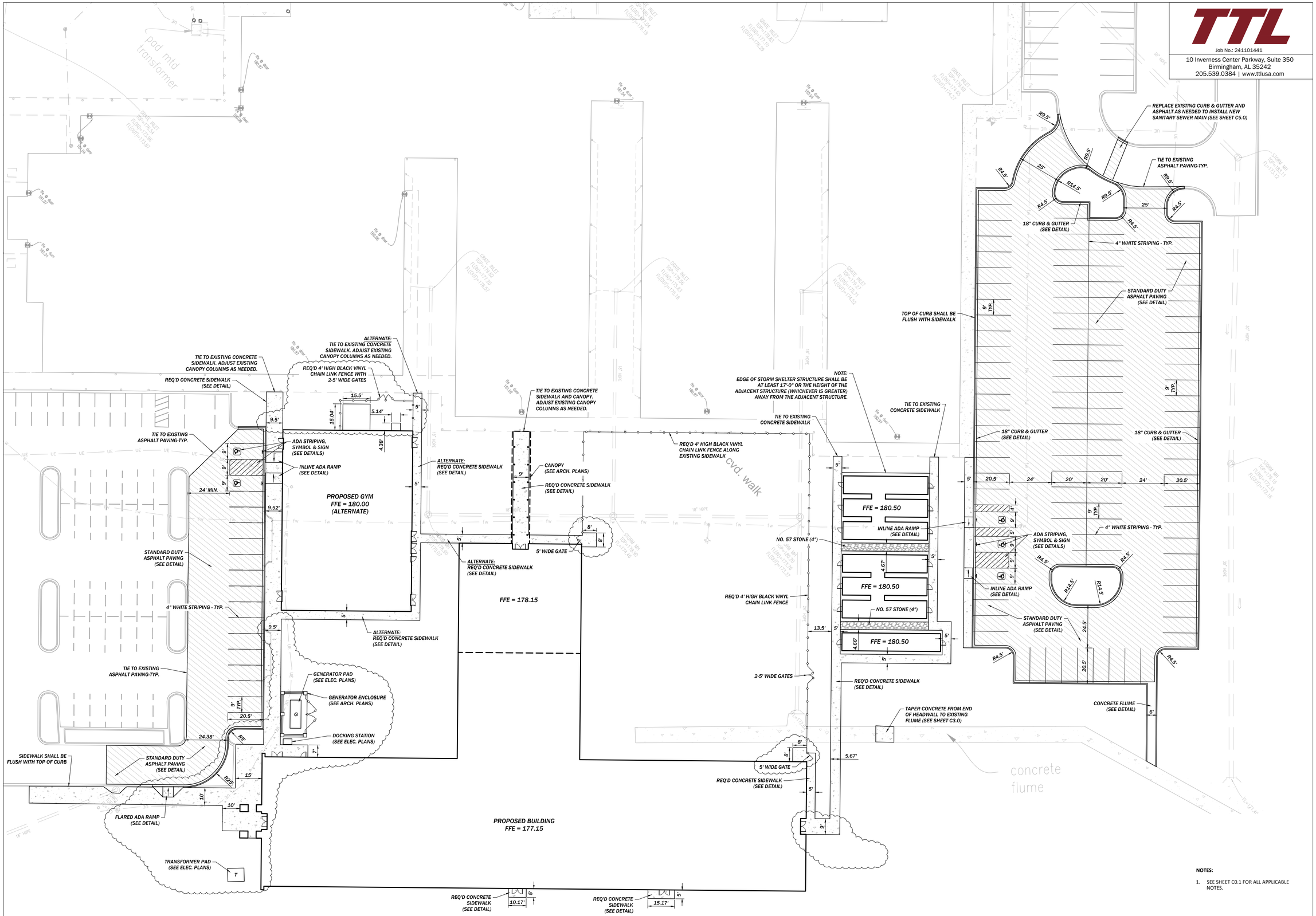
SHEET NO:
S10.1
15 OF 16

0 1" 2"

TTL
Job No.: 241101441
10 Inverness Center Parkway, Suite 350
Birmingham, AL 35242
205.539.0384 | www.ttlusa.com

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13678 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



SITE LAYOUT LEGEND

- STANDARD DUTY ASPHALT PAVING
- CONCRETE SIDEWALK
- NO. 57 STONE

0 20 40 60
SCALE: 1"=20'

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER ALLEN
7/26/2024

SHEET TITLE:
SITE LAYOUT PLAN

PROJ. MGR.:	LBH
DRAWN:	CAH
DATE:	JUNE 24, 2024
REVISIONS	
1	7/16/24-ADD #1
2	7/26/24-ADD #2

JOB NO. 24-38

SHEET NO:
C2.0

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PROPOSED GYM
FFE = 180.00
(ALTERNATE)

PROPOSED BUILDING
FFE = 177.15

FFE = 178.15

FUTURE PLAYGROUND

FFE = 180.50

cvd. walk

concrete flume

SLOPE IN ADA PARKING AREA NOT TO EXCEED 2% IN any DIRECTION

ALTERNATE: 115 LF 6" & 9 LF 8" HDPE ROOF DRAIN SYSTEM @ 1% MIN.

ALTERNATE: 90 LF 6" & 112 LF 8" HDPE ROOF DRAIN SYSTEM @ 1% MIN.

18 LF 12" HDPE @ 1%

42 LF 10" HDPE @ 1%

GRATE INLET TOP = 179.25 FL = 176.18

GRATE INLET TOP = 179.25 FL =

94 LF 15" HDPE @ 1%

GRATE INLET TOP = 175.75 FL = 172.89

144 LF 6", 63 LF 8" & 45 LF 10", 15 LF 12" HDPE ROOF DRAIN SYSTEM @ 1% MIN.

57 LF 18" HDPE @ 1%

TIE TO EXISTING INLET FL=171.38±

GRATE INLET TOP = 176.00 FL = 171.95

TIE TO EXISTING MANHOLE FL=175.90

RAISE TOP OF EXISTING MANHOLE TOP=179.75

GRATE INLET TOP = 177.50 FL = 174.95± PLACE ON EXISTING PIPE

91 LF 6" & 62 LF 8" HDPE ROOF DRAIN SYSTEM @ 1% MIN. SLOPE

LOWER TOP OF EXISTING MANHOLE TOP=177.50

GRATE INLET TOP = 176.60 FL = 174.13± PLACE ON EXISTING PIPE

LOWER TOP OF EXISTING MANHOLE TOP=179.50

GRATE INLET TOP = 178.75 FL = 172.88± PLACE ON EXISTING PIPE

GRATE INLET TOP = 176.00 FL = 173.05

TIE TO EXISTING PIPE FL=172.62±

13 LF 24" HDPE @ 0.5%

99 LF 15" HDPE @ 1%

70 LF 6" & 51 LF 8" HDPE ROOF DRAIN SYSTEM @ 1% MIN. SLOPE

GRATE INLET TOP = 176.00 FL = 172.56

VERTICAL HEADWALL FL = 172.50±

40 LF 24" HDPE @ 0.15%

DOWNSPOUTS ON THIS SIDE OF THE BUILDING SHALL BE SPLASH BLOCK ON GRADE

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

0 20 40 60
SCALE: 1"=20'

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER ALLEN HOWELL 7/26/2024

SHEET TITLE:
GRADING & DRAINAGE PLAN

PROJ. MGR.:	LBH
DRAWN:	CAH
DATE:	JUNE 24, 2024

REVISIONS
1 7/16/24-ADD #1
2 7/26/24-ADD #2

JOB NO. 24-38

SHEET NO:
C3.0

0 1" 2"

REQ'D TIE TO EXISTING 12" WATER MAIN PER LOCAL WATER AUTHORITY'S REQUIREMENTS

REQ'D 4" WATER METER IN BELOW GROUND VAULT

REQ'D 4" DOUBLE CHECK BACKFLOW PREVENTOR IN BELOW GROUND VAULT

REQ'D 4" PVC (SDR.26) DOMESTIC WATER LINE

SAW CUT AND REMOVE EXISTING ASPHALT PAVING AS NEEDED TO INSTALL PROPOSED SANITARY MAIN. BACKFILL FULL DEPTH WITH STONE AND REPLACE PAVING IN LIKE KIND.

REQ'D TIE TO EXISTING SANITARY MANHOLE FL = 170.30

EXISTING FIRE HYDRANT

SAW CUT AND REMOVE EXISTING ASPHALT PAVING AS NEEDED TO INSTALL PROPOSED SANITARY MAIN. BACKFILL FULL DEPTH WITH STONE AND REPLACE PAVING IN LIKE KIND.

REQ'D 4" PVC (SDR.26) DOMESTIC WATER LINE

382 LF 8" PVC (SDR.26) @ 0.4%

93 LF 8" PVC (SDR.26) @ 0.4%

FL = 171.92

SANITARY MANHOLE TOP =180.40 FL = 172.40 (4") FL = 172.20 (8")

4" PVC (SDR.26) DOMESTIC LINE

EXISTING FIRE HYDRANT

ALTERNATE: CLEANOUT FL = 176.50

SEE PLUMBING PLANS FOR CONTINUATION

PROPOSED GYM FFE = 180.00 (ALTERNATE)

ALTERNATE: 2" PVC (SCH.40) DOMESTIC LINE

SEE PLUMBING PLANS FOR CONTINUATION

ALTERNATE: 6" PVC (SDR.26) FIRE LINE W/PRESSURE FITTINGS

ALTERNATE: 235 LF 4" PVC (SDR.26) @ 1.72%

REQ'D 8" GATE VALVE

8" PVC (SDR.26) FIRE LINE (W/ PRESSURE FITTINGS)

REQ'D FIRE HYDRANT (SEE DETAIL)

REQ'D 8" PVC (SDR.26) FIRE LINE W/ PRESSURE FITTINGS

GENERATOR AND DOCKING STATION PADS (SEE ELECTRICAL PLANS)

REQ'D 6" PVC (SDR.26) FIRE LINE W/ PRESSURE FITTINGS

FIRE DEPARTMENT CONNECTION (SEE PLUMBING PLANS)

REQ'D 8" PVC (SDR.26) FIRE LINE W/ PRESSURE FITTINGS

TRANSFORMER PAD (SEE ELECTRICAL PLANS)

REQ'D 4" TO 3" REDUCER

FFE = 178.15

3" PVC (SCH.40) DOMESTIC LINE

70 LF 8" PVC (SDR.26) @ 0.4%

SANITARY MANHOLE TOP =177.00 FL = 173.65

5 LF 4" PVC (SDR.26) @ 10%

FL=174.15

SEE PLUMBING PLANS FOR CONTINUATION

87 LF 8" DIP (CL.350) @ 0.4%

SANITARY MANHOLE TOP =176.48 FL = 173.37

80 LF 16" SCH. 80 STEEL CASING WITH SPACERS

SANITARY MANHOLE TOP =176.38 FL = 173.02

PROPOSED BUILDING FFE = 177.15

FL = 172.82

FL = 172.92

34 LF 4" PVC (SDR.26) @ 2.15%

70 LF 4" PVC (SDR.26) @ 1.19%

FL=173.65

FL=173.65

SEE PLUMBING PLANS FOR CONTINUATION

206 LF 8" PVC (SDR.26) @ 0.4%

FFE = 180.50

FFE = 180.50

FFE = 180.50

SANITARY MANHOLE TOP =179.92 FL = 171.82

CLEAN OUT FL = 177.00

REQ'D 6" PVC (SDR.26) FIRE LINE W/ PRESSURE FITTINGS

REQ'D FIRE HYDRANT (SEE DETAIL)

REQ'D 8" PVC (SDR.26) FIRE LINE W/ PRESSURE FITTINGS

REQ'D 8" PVC (SDR.26) FIRE LINE W/ PRESSURE FITTINGS

REQ'D 8" PVC (SDR.26) FIRE LINE W/ PRESSURE FITTINGS

REQ'D 6" PVC (SDR.26) FIRE LINE W/ PRESSURE FITTINGS

REQ'D FIRE HYDRANT (SEE DETAIL)

UTILITY LEGEND

F	FIRE SERVICE
W	DOMESTIC WATER
IRR	IRRIGATION
COMM	COMMUNICATION
UGP	UNDERGROUND POWER
OHP	OVERHEAD POWER
GAS	GAS
SS	SANITARY SEWER
	FIRE HYDRANT
TB	THRUST BLOCK
GV	GATE VALVE
CO	CLEANOUT

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
2. WATER SERVICES TO PROPOSED STORM SHELTERS ARE 1" PVC (SCH.40).
3. SANITARY SEWER SERVICE TO PROPOSED STORM SHELTERS ARE 4" PVC (SDR.26) @ 1% MIN. SLOPE.
4. SEE ELECTRICAL PLANS FOR ALL SITE LIGHTING AND POWER ROUTINGS.

0 30 60 90

SCALE: 1"=30'

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SUMTER COUNTY BOARD OF EDUCATION

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN LATHAN 7/26/2024

SHEET TITLE:
SITE UTILITY PLAN

PROJ. MGR.: LBH
DRAWN: CAH
DATE: JUNE 24, 2024
REVISIONS
1 7/16/24-ADD #1
2 7/26/24-ADD #2

JOB NO. 24-38
SHEET NO:
C5.0

DUCTWORK LEGEND

(CFM) S	SUPPLY DIFFUSER
(CFM) R	RETURN GRILLE
(CFM) E	EXHAUST GRILLE
(CFM) T	TRANSFER AIR GRILLE
(CFM) SR	SIDEWALL REGISTER
ø	ROUND DUCT SYMBOL
W X H	RECTANGULAR DUCT (WIDTH X HEIGHT)
	RECTANGULAR SUPPLY DUCT TURNING UP
	RECTANGULAR SUPPLY AIR DUCT TURNING DOWN
	RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING UP
	RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING DOWN
	ROUND DUCT TURNING DOWN
	ROUND DUCT TURNING UP
	MAXIMUM 5' FLEXIBLE DUCT ALL BRANCH DUCTS
	RECTANGULAR 90° ELBOW WITH TURNING VANES FOR SUPPLY.
	RISE OR DROP IN DUCT
	RECTANGULAR BRANCH OFF OF RECTANGULAR DUCT WITH MANUAL DAMPER
	CONICAL SPIN-IN WITH MANUAL DAMPER
MD	MANUAL DAMPER
FD	FIRE DAMPER (PROVIDE ACCESS DOOR)
AD	AUTOMATIC DAMPER
SFD	COMBINATION SMOKE/FIRE DAMPER (PROVIDE ACCESS DOOR)
T	TEMPERATURE SENSOR
H	HUMIDITY SENSOR
C	CO2 MONITOR
	CONNECT TO EXISTING, FIELD VERIFY EXACT SIZE AND LOCATION.

HVAC ABBREVIATIONS

A	Amps
AAV	Automatic Air Vent
ACF	Air Curtain Fan
AC	Air Conditioning
ACCU	Air Cooled Condensing Unit
AD	Automatic Damper
ADJ	Adjustable
AF	Airflow
AFF	Above Finished Floor
AFM	Air Flow Monitor
AHU	Air Handling Unit
AI	Analog Input
AMB	Ambient
AO	Analog Output
AP	Air Purifier
ARCH	Architectural
ASHRAE ATV, AV	American Society of Heating, Refrigerating, and Air-Conditioning Engineers
BD	Atmospheric Vent
BHP	Backdraft Damper
BI	Brake Horsepower
BMS	Binary Input
BO	Building Management System
BOD	Binary Output
BT	Bottom of Duct
BTU	Buffer Tank
BTUH	British Thermal Unit
C / CD / CO2	British Thermal Unit per Hour
CA	Carbon Dioxide
CCC	Compressed Air
CCU / CU	Closed Circuit Cooler
CD	Condensing Unit
CF	Condensate Drain
CFM	Chemical Feeder
CH	Cubic Feet per Minute
CHC	Chiller
CHWP / CHP	Chilled Water Coil
CHWR / CHR	Chilled Water Pump
CHWS / CHS	Chilled Water Return Piping
CO	Chilled Water Supply Piping
CONT	Carbon Monoxide
CP	Controls , or , Continue
CRU / CRAC	Condensate Pump
CR	Computer Room Unit
CRU	Condensate Return
CT	Condensate Return Unit (Steam System)
CT	Cooling Tower
CU	Current Transducer
CUH	Condensing Unit
CV	Cabinet Unit Heater
Cv	Constant Volume
CVR	Valve Coefficient
D	Constant Volume - Reheat
DB	Drain Piping
DBL	Dry Bulb
DEG	Double
DG	Degree
DI	Door Grille
DIA	Digital Input
DL	Diameter
DMSS	Drum Louver
DN	Ductless Mini-split System
DO	Down
DP	Digital Output
DSD	Differential Pressure Sensor
DWG	Duct Smoke Detector
DWH	Drawing
E	Domestic Water Heater
EA	Exhaust Grille
EAT	Exhaust Air
EBH	Entering Air Temp
ECH	Electric Baseboard Heater
ECH	Electric Cabinet Heater
ECH	Electric Ceiling Heater
ECM	Electronically Commutated Motor
EDH	Electric Duct Heater
EF	Exhaust Fan
EHC	Electric Heating Coil
ELEC	Electrical
EMCS	Energy Management Control System
EMG	Expanded metal grille
ENT	Entering
ERU	Energy Recovery Unit (with cooling or heating)
ERV	Energy Recovery Ventilator (no cooling or heating)
ESP	External Static Pressure
ET	Expansion Tank
EWH	Electric Wall Heater
EWT	Entering Water Temperature
EX / (X) / E	Existing
F	Degrees Fahrenheit
FCU	Fan Coil Unit
FD	Fire Damper
FOR	Fuel Oil Return
FOS	Fuel Oil Supply
FPI	Fins Per Inch
FPM	Feet Per Minute
FS	Flow Switch
FT	Foot / Feet
FV	Face Velocity
FZ	Freezestat
GA	Gauge
GAL	Gallons
GALV	Galvanized
GC	General Contractor
GDH	Gas Duct Heater
GEO	Geothermal
GPH	Gallons Per Hour
GPM	Gallons Per Minute
H	Humidity Sensor , Humidifier, or Height
H2O	Water
HD	Head
HOA	Hand-Off-Auto
HP	Horsepower, Heat Pump
HRR	Heat Recovery Return
HRS	Heat Recovery Supply
HVAC	Heating, Ventilation, and Air-Conditioning
HWC	Hot Water Coil
HWP	Hot Water Pump
HWR	Hot Water Return
HWS	Hot Water Supply
HWT	Heating Water Temperature
ID	Inside Diameter
IN	Inches
IPLV	Integrated Part Load Value
KW	Kilowatt
L	Louver
LAT	Leaving Air Temperature
LBS	Pounds
LF	Linear Feet
LIN	Linear
LPC	Low Pressure Condensate
LPR	Low Pressure Steam Return
LPS	Low Pressure Steam Supply
LRA	Locked Rotor Amps
LSD	Linear Slot Diffuser
LVG	Leaving
LWT	Leaving Water Temperature
M	Fan / Pump Motor, or Motorized Damper, or Meter
MA	Mixed Air
MAT	Mixed Air Temperature
MAU / MUA	Make-up Air Unit
MAX	Maximum
MBH	1,000 British Thermal Units per Hour
MCA	Minimum Circuit Amps
MD	Manual Damper
MERV	Minimum Efficiency Reporting Value
MFD / FD	Mechanical Floor Drain
MFG	Manufacturer
MIN	Minimum
MOCP	Maximum Overcurrent Protection
NC	Normally Closed or Noise Criteria
NG	Natural Gas
NO	Normally Open or Number
NPLV	Non-Standard Part Load Value
NPSH	Net Positive Suction Head
NTS	Not To Scale
OSA / OA	Outside Air
OAT	Outdoor Air Temperature
OD	Outside Diameter
OS	Occupancy Sensor
P	Pressure or Pressure Sensor
PD	Pressure Drop
PH	Phase
PHC	Preheat Coil
PIU	Fan Powered Terminal Unit
PPM	Parts Per Million
PR / PCR	Pumped Condensate Return (Steam System)
PRS	Steam Pressure Reducing Station
PSI	Pounds per Square Inch
PSIA	PSI Atmospheric
PSIG	PSI Gauge
PRV	Pressure Reducing Valve
PTAC	Packaged Terminal Air Conditioner
PTHP	Packaged Terminal Heat Pump
QTY	Quantity
R	Return Grille
R	Radius, Rise, or Remove
RA	Return Air
RAT	Return Air Temperature
RCP	Reflected Ceiling Plan
RD	Refrigerant Discharge
RF	Return Fan, Relief Fan
RF	Refrigerant
RH	Relative Humidity, Reheat
RHC	Reheat Coil
RL	Refrigerant Liquid Line
RLA	Rated Load Amps
RPM	Revolutions Per Minute
RS	Refrigerant Suction Line
RTU	Roof Top Unit
S	Supply Diffuser
S	Air / Dirt Separator
SA	Supply Air
SA / DSA	Duct Mounted Sound Attenuator
SAT	Supply Air Temperature
SCH	Schedule
SD	Smoke Damper
SEC	Seconds
SEF	Smoke Exhaust Fan
SF	Supply Fan, Square Foot
SFD / FSD	Combination Smoke & Fire Damper
SP	Static Pressure
SR	Supply Register
SS	Split System, Stainless Steel
T&P	Temperature and Pressure
T	Thermostat or Temperature Sensor
T	Transfer Grille
T, TEMP	Temperature
T-STAT	Thermostat
TON	Cooling Tons (12,000 BTUH)
TD	Transfer Duct
TOD	Top of Duct
TS	Temperature Sensor
TSP	Total Static Pressure
TYP	Typical
UH	Unit Heater
UNO	Unless Noted Otherwise
UV	Unit Ventilator
V, VOLT	Voltage
V	Volume
VEL	Velocity
VF	Ventilation Fan
W	Width or Watts
W/	With
WB	Wet Bulb
WC	Water Column
WEG	Wall Exhaust Grille
WH	Wall Hydrant
WER	Wall Exhaust Register
WRG	Wall Return Grille
WRR	Wall Return Register
X	Uncorrected Fraction of Outdoor Air (System)
Y	Corrected Fraction of Outdoor Air (System)
Z	Fraction of Outdoor Air (Critical Space)

HVAC CONTROLS LEGEND

T	TEMPERATURE SENSOR
H	HUMIDITY SENSOR
C	CO2 MONITOR
CP	120V HVAC CONTROLS POWER
TS	AVERAGING TEMPERATURE SENSOR
H	DUCT MOUNTED HUMIDITY SENSOR
AO	ANALOG OUTPUT
AI	ANALOG INPUT
DO	DIGITAL OUTPUT
DI	DIGITAL INPUT
DSD	DUCT MOUNTED SMOKE DETECTOR. SMOKE DETECTOR FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR, INSTALLED IN DUCT BY MECHANICAL CONTRACTOR.
HOA	HAND-OFF-AUTO MAGNETIC STARTER
SP	DUCT STATIC PRESSURE SENSOR
DP	DIFFERENTIAL PRESSURE SENSOR
	INTERLOCK WITH FIRE ALARM SYSTEM
M	FAN/PUMP MOTOR
VFD	VARIABLE FREQUENCY DRIVE
CT	CURRENT TRANSDUCER
FS	FLOW SWITCH
	DIRECTION OF FLOW
H-O-A	HAND-OFF-AUTO SWITCH
AFM	AIR FLOW MONITOR. (PROVIDE ACCESS DOOR AT EACH AIR FLOW MONITOR.)

PIPING LEGEND

D	DRAIN PIPING
AAV OR	AAV-AUTO. AIR VENT (MARKED OR SHOWN)
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	BUTTERFLY VALVE.
	BUTTERFLY VALVE.
	PRESSURE REDUCING VALVE.
	PIPE TURNING UP.
	PIPE TURNING DOWN.
	BRANCH OFF TOP OF MAIN.
	BRANCH OFF BOTTOM OF MAIN.
	BRANCH OFF SIDE OF MAIN.
	CALIBRATED BALANCING VALVE
	FLEXIBLE CONNECTION IN PIPING
	UNION
	PETES PLUG
	SLOPE DOWN IN DIRECTION OF ARROW.
	CHECK VALVE
	ASME PRESSURE RELIEF VALVE.

AIR DEVICE LEGEND

MARK	EXAMPLE	DESCRIPTION	SIZE	BASIS OF DESIGN
"S"	200S / CFM	PLAQUE FACE CEILING DIFFUSER WITH ROUND NECK. ALL CEILING DIFFUSERS TO HAVE A 24X24 CEILING PANEL (EXCEPT WHERE SHOWN AS 12X12). ALL CEILING DIFFUSERS TO HAVE ROUND NECKS.	CFM SHOWN ON PLANS. NECK & RUN-OUT SIZED PER THE FOLLOWING: CFM / NECK SIZE / RUN-OUT SIZE 0 - 100 / 6" / 6" 101 - 200 / 8" / 8" 201 - 300 / 10" / 10" 301 - 500 / 12" / 12" 501 - 750 / 15" / 15" 751 - 1000 / 18" / 18"	TITUS OMNI
"R", "E", "T"	200R / CFM R24 / SQUARE NECK SIZE	CEILING MOUNTED RETURN (R), EXHAUST (E), OR TRANSFER (T) EGGCRATE GRILLE. ALL GRILLES IN A LAY-IN CEILING TO HAVE A 24X24 CEILING PANEL.	CFM SHOWN ON PLANS. NECK SIZED PER THE FOLLOWING: CFM / NECK SIZE 0 - 100 / 6x6 101 - 200 / 8x8 201 - 350 / 10x10 351 - 500 / 12x12 501 - 750 / 14x14 751 - 950 / 16x16 951 - 1200 / 18x18 1201 - 1500 / 20x20 1501 - 2000 / 24x24	TITUS 50F
SR	SR12X6 / 200 / CFM / W x H	SIDEWALL SUPPLY REGISTER.	SIZE (WxH) IN INCHES & CFM SHOWN.	TITUS 272FL
WRG / WTG	WRG12X6 / 200 / CFM / W x H	WALL RETURN GRILLE / WALL TRANSFER GRILLE.	SIZE (WxH) IN INCHES & CFM SHOWN.	TITUS 350FL
DL	DL12X6 / 200 / CFM / W x H	HIGH CAPACITY DRUM LOUVER	SIZE (WxH) IN INCHES & CFM SHOWN.	TITUS DL

NOTES:

1. SEE SPECIFICATIONS FOR FINISH AND CONSTRUCTION MATERIAL FOR EACH AIR DEVICE.
2. COORDINATE WITH ARCHITECT'S CEILING PLAN FOR LAY-IN OR SURFACE MOUNTING OF CEILING MOUNTED AIR DEVICES.
3. COORDINATE LOCATIONS OF CEILING MOUNTED AIR DEVICES WITH LIGHT FIXTURES, SPRINKLER HEADS, AND OTHER CEILING MOUNTED DEVICES. DO NOT SCALE MECHANICAL DRAWINGS FOR LOCATIONS.

PACKAGED WALL HUNG AC UNIT

TYPE:

1. PACKAGED WALL HUNG HEAT PUMP WITH ELECTRIC HEAT AND HOT GAS REHEAT COIL.

NOTES:

IF ANOTHER APPROVED MANUFACTURER IS USED, THE MECHANICAL CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATING ANY DEVIATIONS FROM THE SCHEDULED ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR. ALL DEVIATIONS SHALL BE IDENTIFIED ON THE PRODUCT SUBMITTAL DATA.

HP UNITS ARE NOT TO HAVE OUTSIDE AIR. ALL REQUIRED OUTSIDE AIR IS BEING PROVIDED THRU ENERGY RECOVERY UNITS.

ACCESSORIES:

1. WALL SLEEVE - COORDINATE SLEEVE DEPTH WITH WALL CONDITIONS.
2. EXTRUDED ALUMINUM ARCH. GRILLE WITH ANODIZED ALUMINUM FINISH. (COORDINATE GRILLE STYLE AND FINISH WITH ARCHITECT PRIOR TO ORDERING.)
3. CONDENSATE DRAIN KIT.
4. SUB-BASE KIT.
5. POWER DISCONNECT SWITCH.
6. REMOTE MOUNTED THERMOSTAT.
7. HOT GAS REHEAT COIL

MARK	TYPE	SUPPLY FAN AIRFLOW (CFM)	DX COOLING COIL CAPACITY TOTAL (MBH)	DX HEATING CAPACITY TOTAL (MBH)	ELEC HEAT (KW)	ELECTRICAL					SEER/EER	COP	DIMENSIONS (W X L X H)	WEIGHT (LBS.)	ACCESSORIES	BASIS OF DESIGN
						V	PH	HZ	MCA (A)	MOCP (A)						
HP-1	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-2	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-3	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-4	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-5	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-6	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-7	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-8	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-9	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-10	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-11	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-12	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-13	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-14	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-15	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-16	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-17	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-18	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-19	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-20	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE
HP-21	1	1050	29	25	9	480 V	3	60	21.1	25	11	3.3	20 X 44 X 76	420	1,2,3,4,5,6,7	MARVAIRE

INDOOR HEAT PUMP (MINI-SPLIT SYSTEM) SCHEDULE

TYPE:

1. INDOOR, WALL MOUNT
2. INDOOR, CEILING CASSETE
3. INDOOR, HORIZONTAL CONCEALED, MEDIUM-STATIC

NOTES:

1. AIRFLOW RATED AT HIGH FAN SPEED.
2. POWER FOR INDOOR UNIT IS FED FROM OUTDOOR UNIT.
3. COOLING CAPACITY RATED AT 95°F.
4. HEATING CAPACITY RATED AT 47°F.

ACCESSORIES:

1. 3-POLE DISCONNECT SWITCH.
2. HARD WIRED UNIT CONTROLLER.
3. FULL PORT BALL VALVES & SCHRADER VALVES WITH FLARED CONNECTIONS.
4. FIELD-INSTALLED CONDENSATE PUMP (120/1/60) - 1 GPH @ 33 FT. HD.
5. INTEGRAL CONDENSATE PUMP.
6. SUPPLY AIR DUCT OUTLET.
7. OUTSIDE AIR DUCT INLET.

MARK	TYPE	AIRFLOW (CFM)	NOMINAL TONS	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	ELECTRICAL				ACCESSORIES	WEIGHT (LBS.)	BASIS OF DESIGN
						V	PH	HZ	MCA (A)			
IHP-1	2	600	1.5	18	19	208	1	60	1.0	1,2,3,5,7	50	MITSUBISHI
IHP-2	2	600	1.5	18	19	208	1	60	1.0	1,2,3,5,7	50	MITSUBISHI
IHP-3	3	425	1.0	12	14	208	1	60	2.5	1,2,3,5,7	60	MITSUBISHI
IHP-4	2	530	1.0	12	14	208	1	60	1.0	1,2,3,5,7	50	MITSUBISHI
IHP-5	1	560	1.5	18	19	208	1	60	1.0	1,2,3,4	30	MITSUBISHI
IHP-6	2	600	1.5	18	19	208	1	60	1.0	1,2,3,4,5,6	50	MITSUBISHI
IHP-7	2	600	1.5	18	19	208	1	60	1.0	1,2,3,4,5,6	50	MITSUBISHI
IHP-8	1	450	1.5	18	19	208	1	60	1.0	1,2,3,4	30	MITSUBISHI
IHP-9	2	880	2.5	30	32	208	1	60	1.0	1,2,3,5	60	MITSUBISHI
IHP-10	1	560	1.5	18	19	208	1	60	1.0	1,2,3,4	30	MITSUBISHI

OUTDOOR HEAT PUMP (MINI-SPLIT SYSTEM) SCHEDULE

TYPE:

1. OUTDOOR HEAT PUMP

NOTES:

1. REFRIGERANT PIPING SHALL BE SIZED AND ROUTED PER MANUFACTURER'S RECOMMENDATIONS.
2. POWER TO INDOOR UNITS IS PROVIDED THRU OUTDOOR UNITS
3. REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER-RESISTANT CAPS.
4. UNIT SHALL BE CAPABLE OF MINIMUM LINE LENGTH OF 65FT.

MARK	TYPE	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	ELECTRICAL					EFFICIENCY		WEIGHT (LBS)	BASIS OF DESIGN
				V	PH	HZ	MCA (A)	MOCP (A)	SEER	HSPF		
OHP-1	1	18	19	208	1	60	11	15	25.0	9.2	125	MITSUBISHI
OHP-2	1	18	19	208	1	60	11	15	25.0	9.2	125	MITSUBISHI
OHP-3	1	12	14	208	1	60	17	20	21.8	9.8	125	MITSUBISHI
OHP-4	1	12	14	208	1	60	11	15	26.9	9.2	125	MITSUBISHI
OHP-5	1	18	19	208	1	60	11	15	25.0	9.2	125	MITSUBISHI
OHP-6	1	18	19	208	1	60	11	15	25.0	9.2	125	MITSUBISHI
OHP-7	1	18	19	208	1	60	11	15	25.0	9.2	125	MITSUBISHI
OHP-8	1	18	19	208	1	60	11	15	25.0	9.2	125	MITSUBISHI
OHP-9	1	30	32	208	1	60	19	25	23.4	9.5	175	MITSUBISHI
OHP-10	1	18	19	208	1	60	11	15	25.0	9.2	125	MITSUBISHI

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www.dewberry.com

Project Number :
50181596

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

No. 24747
PROFESSIONAL
07-26-24
ENGINEER
JADE STEWART

SHEET TITLE:
MECHANICAL LEGEND AND SCHEDULES

PROJ. MGR.:	– JWS
DRAWN:	BDL
DATE:	– 07/16/24

REVISIONS

2	7/26/24	Addendum #2

JOB NO. 24-38

SHEET NO:
M0.1

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ELEMENTARY ADDITION TO
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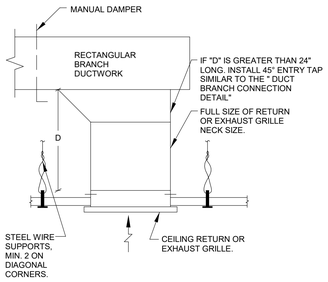
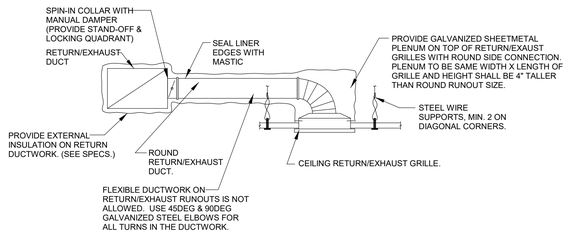
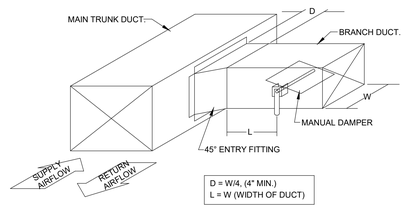


CEILING RETURN/EXHAUST BRANCH CONNECTION DETAIL
NO SCALE

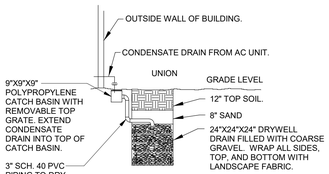


NOTE:
WHEREVER THE RETURN/EXHAUST DUCT HEIGHT IS INSUFFICIENT TO CONNECT THE SPIN-IN, THE SPIN-IN MAY BE CONNECTED TO THE TOP OR BOTTOM OF THE DUCT. IF THE BRANCH DUCT MUST BE CONNECTED TO THE SIDE OF THE MAIN DUCT, USE A RECTANGULAR BRANCH DUCT CONNECTION (SEE DETAIL) OF EQUAL AIR VELOCITY AND TRANSITION TO ROUND DUCT.

CEILING RETURN/EXHAUST BRANCH CONNECTION DETAIL (FOR BRANCH CONNECTIONS 12" & SMALLER)
NO SCALE

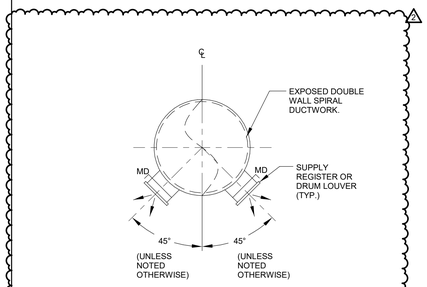


DUCT BRANCH CONNECTION
NO SCALE

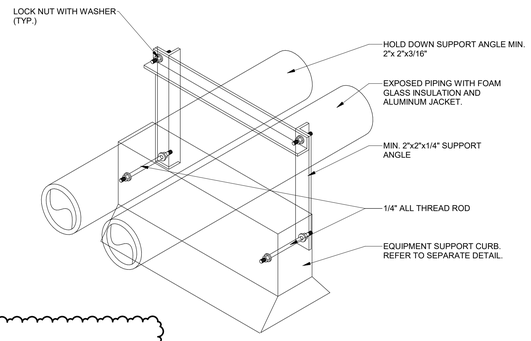


NOTE: ALL WORK SHOWN IS BY THE MECHANICAL CONTRACTOR.

DRY WELL DETAIL
NO SCALE

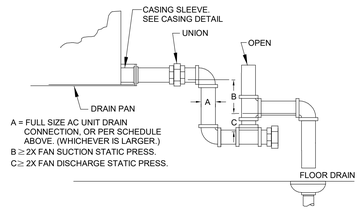


EXPOSED DUCTWORK SECTION
NO SCALE

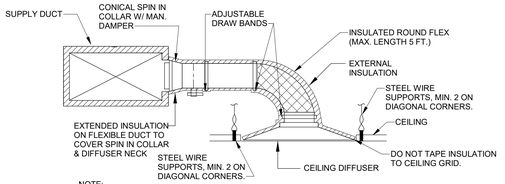


PIPE SUPPORT ON ROOF DETAIL
NO SCALE

MINIMUM CONDENSATE PIPE SIZE	
AC TONS	MIN. DRAIN SIZE
0 TO 20	1"
21 TO 40	1-1/4"
41 TO 60	1-1/2"
61 TO 100	2"
101 TO 250	3"
251 & LARGER	4"

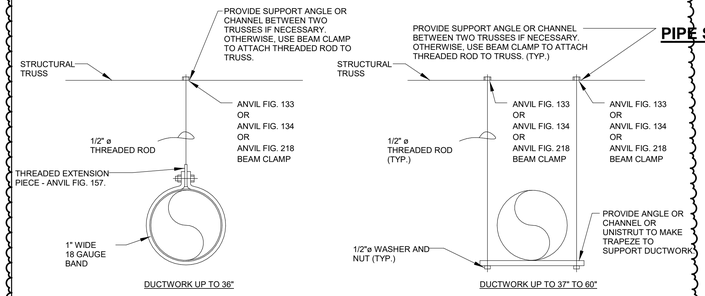


AC UNIT DRAIN TRAP DETAIL
NO SCALE

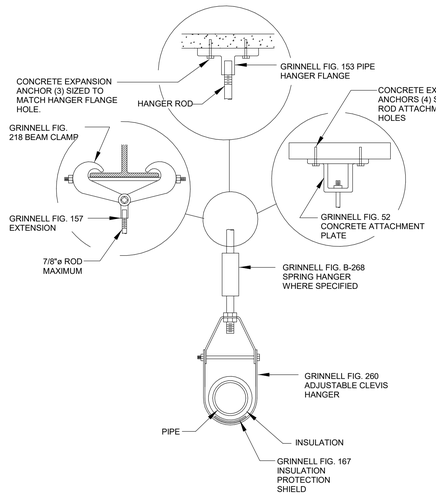


NOTE:
1. WHEREVER THE SUPPLY DUCT HEIGHT IS INSUFFICIENT TO CONNECT THE SPIN-IN, THE SPIN-IN MAY BE CONNECTED TO THE TOP OR BOTTOM OF THE DUCT. IF THE BRANCH DUCT MUST BE CONNECTED TO THE SIDE OF THE MAIN DUCT, USE A RECTANGULAR BRANCH DUCT CONNECTION OF EQUAL AIR VELOCITY AND TRANSITION TO ROUND DUCT. REFER TO SPECIFICATION FOR MAXIMUM TURNS IN FLEX DUCT.
2. PROVIDE EXTERNAL INSULATION ON ALL ROUND BRANCH DUCTWORK. SEE SPECS FOR THICKNESS AND EXTENT.
3. PROVIDE EXTERNAL INSULATION ON BACK SIDE OF CEILING DIFFUSERS. THICKNESS TO MATCH BRANCH DUCT INSULATION THICKNESS.

CEILING DIFFUSER INSTALLATION DETAIL
NO SCALE



EXPOSED ROUND DUCTWORK HANGER DETAIL
NO SCALE



CLEVIS HANGER DETAIL
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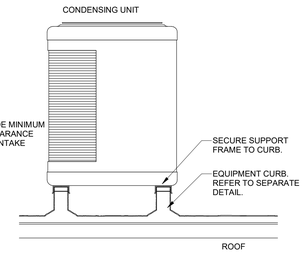
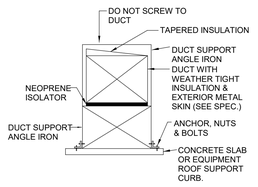
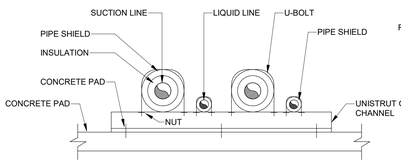


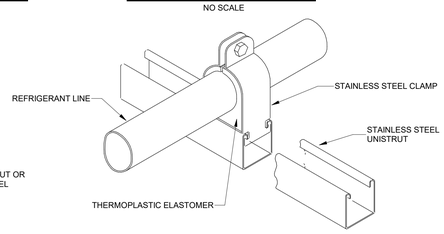
CONDENSING UNIT ON ROOF
NO SCALE



DUCT SUPPORT DETAIL
NO SCALE

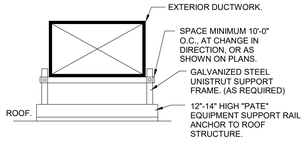


REFRIGERANT PIPE SUPPORT FROM CONCRETE PAD DETAIL
NO SCALE

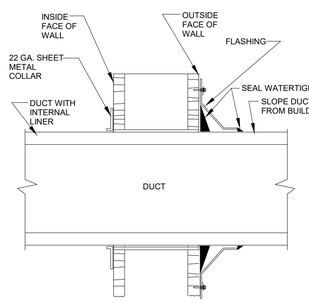


REFRIGERANT LINE SUPPORT DETAIL
NO SCALE

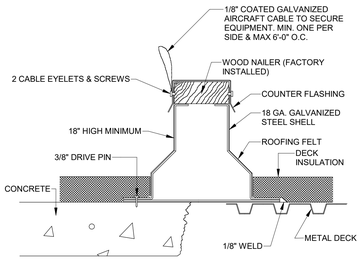
DRYER VENT THRU EXTERIOR WALL
NO SCALE



DUCT SUPPORT ON ROOF DETAIL
NO SCALE



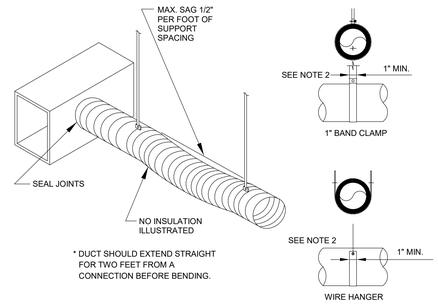
DUCTWORK THRU OUTSIDE WALL DETAIL
NO SCALE



ANCHOR METHODS:

1. FOR STEEL STRUCTURES: ANCHOR CURB TO ROOF STRUCTURE WITH 1/4"-14 SELF DRILLING SCREWS. MINIMUM OF 1/2" OF THREADS SHALL BE SHOWING ON THE UNDERSIDE OF THE STRUCTURE. PROVIDE MINIMUM (4) FASTENERS PER SIDE, (TOTAL OF 16), EQUALLY SPACED ON EACH SIDE.
2. FOR CONCRETE STRUCTURES: ANCHOR CURB TO ROOF STRUCTURE WITH 3/8" HILTI EXPANSION ANCHORS. MINIMUM 2-1/2" ENGAGEMENT. PROVIDE MINIMUM (2) ANCHORS PER SIDE, (TOTAL OF 8), EQUALLY SPACED ON EACH SIDE.

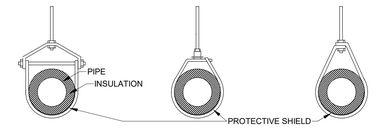
EQUIPMENT ROOF SUPPORT DETAIL
NO SCALE



* DUCT SHOULD EXTEND STRAIGHT FOR TWO FEET FROM A CONNECTION BEFORE BENDING.

NOTES:
1. SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE.
2. DUCTS ARE FLEXIBLE WITH EXTERNAL INSULATION AND VAPOR BARRIER JACKETING.
3. MIN. CENTER LINE BEND LINE RADIUS IS ONE DIA. (OR INSIDE RADIUS OF D/2).
4. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 5 LINEAR FEET.

FLEXIBLE DUCT SUPPORT DETAIL
NO SCALE

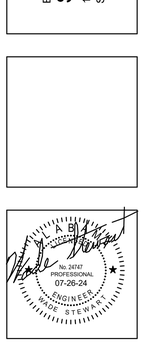


PIPE SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"
ROD DIAMETER	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	5/8"	3/4"	7/8"	7/8"
SPACING	6'	8'	8'	8'	10'	10'	10'	10'	10'	10'	10'	10'

NOTE: LOCATE ADDITIONAL HANGERS AT VALVES AND AT CHANGES IN DIRECTION.

* SPACING FOR PIPE HANGERS FOR PIPE SIZES LARGER THAN 3" AND HUNG FROM BAR JOISTS SHALL BE DETERMINED BY STRUCTURAL ENGINEER. SEE STRUCTURAL DRAWINGS AND SPECIFICATIONS.

PIPE HANGER DETAIL
NO SCALE



SHEET TITLE:
MECHANICAL DETAILS

PROJ. MGR.: –	JWS
DRAWN:	BDL
DATE: –	07/16/24

REVISIONS

2	7/26/24	Addendum #2

JOB NO. 24-38

SHEET NO:
M0.4

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Project Number :
50181596

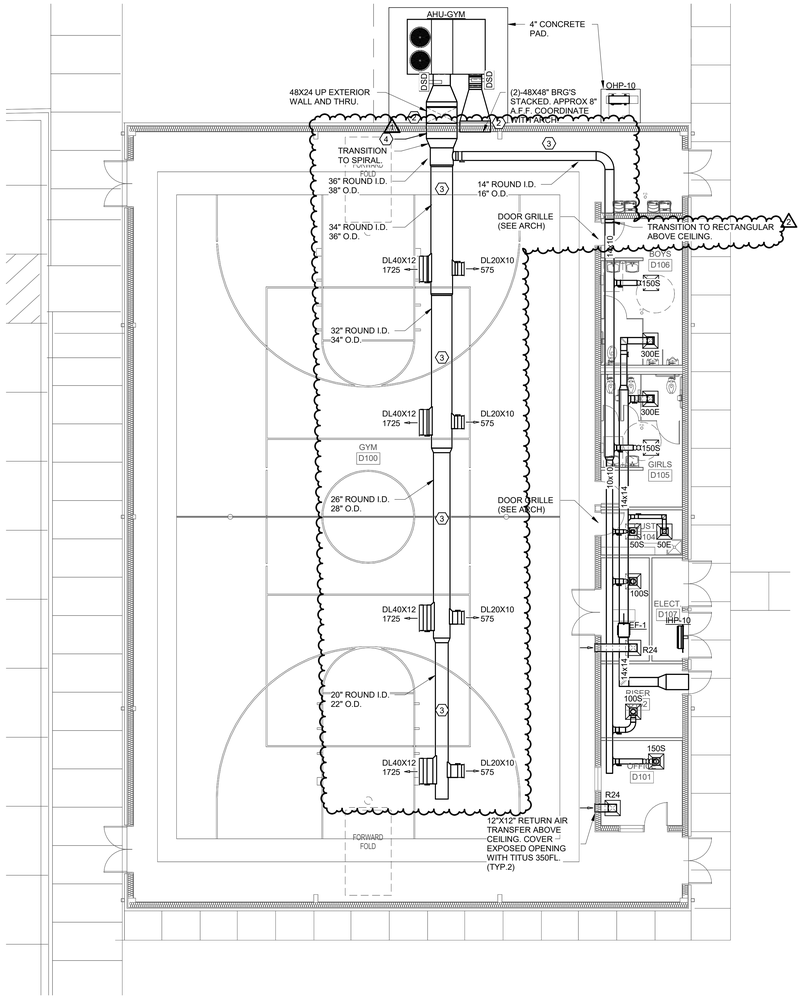
MECHANICAL KEYED NOTES:

1. WALL HUNG UNIT WITH STACKED SIDEWALL SUPPLY AND RETURN GRILLES. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.

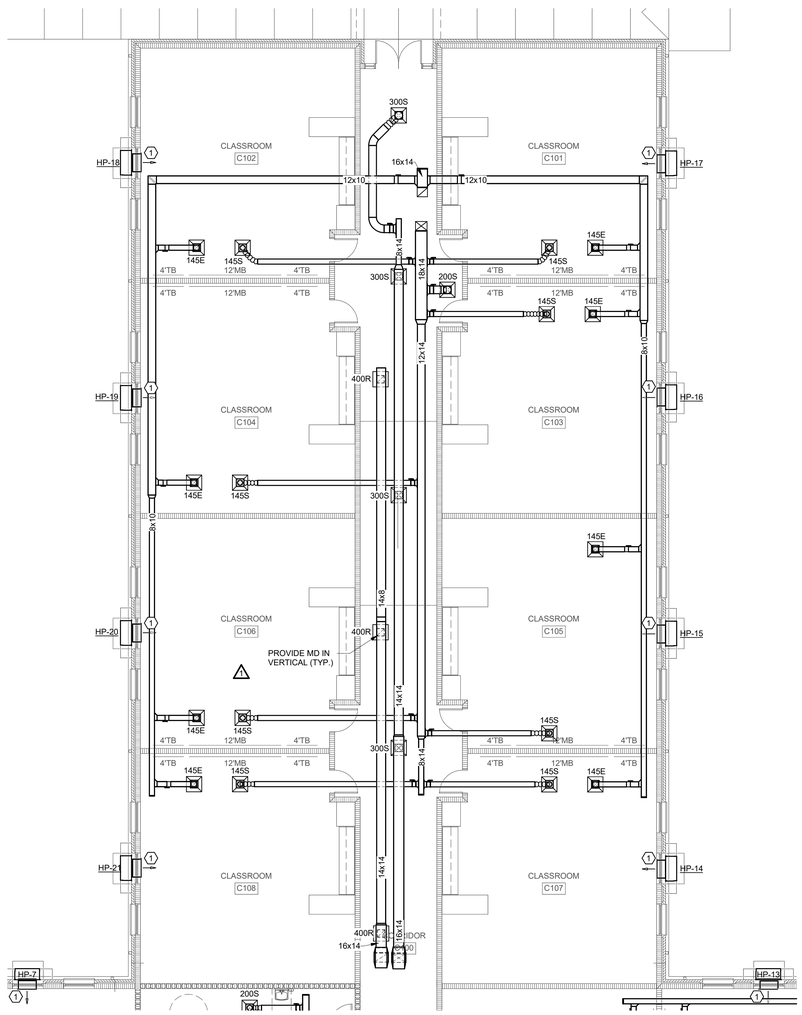
2. CONTRACTOR TO COORDINATE THE INSTALLATION OF UNIT ON GRADE AND PAD WITH ARCHITECTURAL EXTERIOR FINISHES. DUCTWORK TO RUN UP EXTERIOR AND PENETRATE WALL WHERE ARCHITECT CALLS OUT FOR SPECIFIED GAP IN FINISHES. COORDINATE WITH ARCH AND GC.

3. DOUBLE WALL SPIRAL DUCT W/ 1" INSULATION BETWEEN THE SHELLS. ALL EXPOSED DUCT SHALL HAVE PAINT GRIP FINISH (COLOR BY ARCHITECT). REFER TO DETAIL.

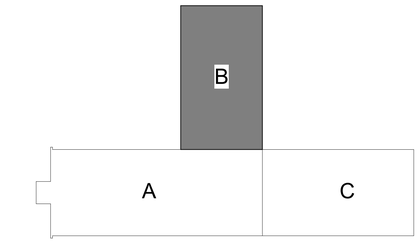
4. EXPOSED RECTANGULAR DUCTWORK SHALL HAVE PAINT GRIP FINISH (COLOR BY ARCHITECT).



2 MECHANICAL - GYM FLOOR PLAN
1/8" = 1'-0"



1 MECHANICAL - FLOOR PLAN - PART B
1/8" = 1'-0"



KEY PLAN
SCALE: N.T.S.

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

SHEET TITLE:
MECHANICAL - FLOOR PLAN - PART B

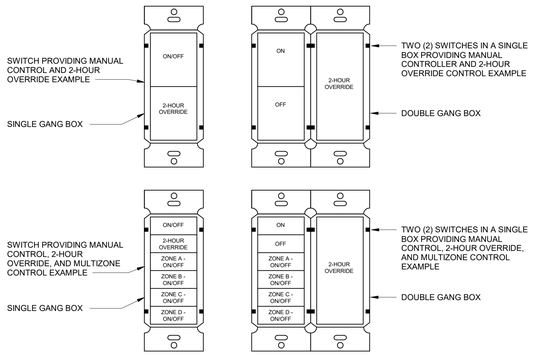
PROJ. MGR.: –	JWS
DRAWN:	BDL
DATE: –	07/16/24

REVISIONS

1	7/16/24	Addendum #1
2	7/26/24	Addendum #2

JOB NO. 24-38

SHEET NO:
M1.1

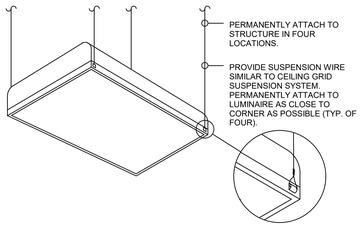


NOTE:

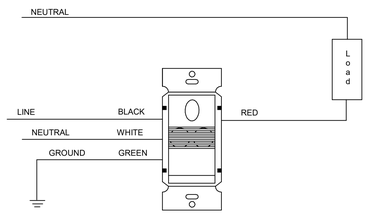
1. COORDINATE ALL SWITCH REQUIREMENTS WITH CONTROLS MANUFACTURER TO COMPLY WITH ALL CONTROL REQUIREMENTS OF EACH INDIVIDUAL SPACE. SEE LIGHTING CONTROL SCHEDULES AND SWITCH LEGEND. WHERE A MANUFACTURER REQUIRES A TWO GANG BOX OR A SINGLE GANG BOX, PROVIDE ALL RESULTING COSTS IN ADDITIONAL ROUGH-IN REQUIREMENTS. ⚠1

2. ALL SWITCHES SHOWN GROUPED SHALL BE GANGED UNDER A SINGLE COVERPLATE.

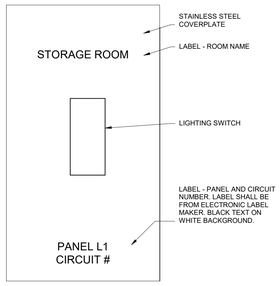
MULTIZONE SWITCH AND OVERRIDE SWITCH SCHEMATIC



DETAIL - TYPICAL MOUNTING TROFFER
NOT TO SCALE

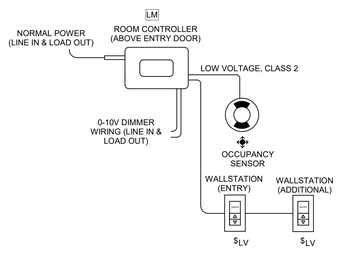


DETAIL - WALL SWITCH SENSOR
NOT TO SCALE



DETAIL

LIGHTING SWITCH FACEPLATE
NO SCALE

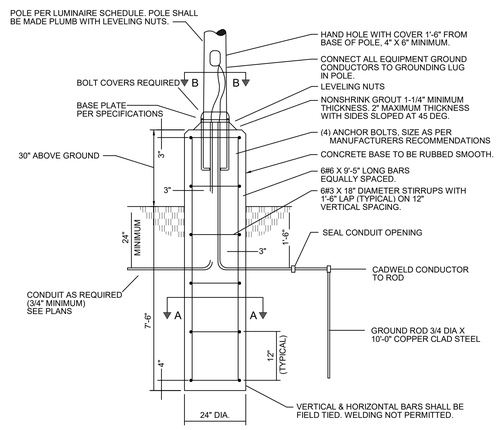


ROOM CONTROLLER TYPICAL WIRING DIAGRAM
NO TO SCALE

NOTES:
1. DETAIL IS DIAGRAMMATIC. COORDINATE WITH LIGHTING CONTROLS MANUFACTURER AND PROVIDE ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATIONAL SYSTEM THAT MEETS THE INTENT OF THE CONTROL SCHEME. WHERE EMERENCY AND NORMAL ROOM CONTROLLERS ARE SHOWN IN THE SAME ROOM AND/OR CONTROLLING THE SAME ZONES, COORDIANTE WITH LIGHTING CONTROLS MANUFACTURER TO PROVIDE A LIGHTING CONTROLS SYSTEM WHICH MEETS THE INTENT OF THE CONTROL SCHEME. IT IS PERMITTED TO HAVE ONE (1) ROOM CONTROLLER AS A SYSTEM OR MULTIPLE ROOM CONTROLLERS WORKING AS A SYSTEM WHICH MEETS THE INTENT

2. ALL LOW VOLTAGE WIRES AND ABOVE CEILING CONTROLLERS SHALL BE PLENUM RATED.

3. ALL LOW VOLTAGE WIRES SHALL BE INSTALLED ON J-HOOKS. PROVIDE QUANTITY AS REQUIRED TO SUPPORT EVERY 5'-0".



NOTES:

1. 3500 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH CONCRETE WITH GRADE 60 RE-BARS.

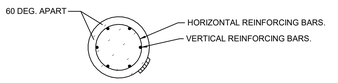
2. IF WATER IS PRESENT IN HOLE, REMOVE BEFORE POURING CONCRETE.

3. FOUNDATION EXCAVATION SHALL BE BY 24" AUGAR IN UNDISTURBED OR PROPERLY COMPACTED FILL.

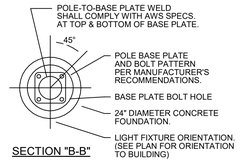
4. MINIMUM ALLOWABLE SOIL BEARING PRESSURE 3000 PSF. NOTIFY ENGINEER IF BEARING PRESSURE IS LESS.

5. AIR ENTRAINMENT: 4 TO 6%.

DETAIL - POLE BASE LIGHTING STANDARD FOR POLE MOUNTED FIXTURES
NOT TO SCALE



SECTION "A-A"



SECTION "B-B"

DETAIL - SECTION THRU POLE BASE
NOT TO SCALE

LUMINAIRE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL	VOLT	LAMP	WATT	COLOR TEMP	DESCRIPTION	COMMENTS / OPTIONS
A	METALUX LITHONIA HE WILLIAMS	24CZ2-45-UNV-L835-CD-1 2BLT4-45L-ADP-GZ10-LP835 LT24-L52-835-AF-L45-DIM-U	277	LED 4500 LM	36 W	3500 K	2X4 LED LAY-IN TROFFER, FROSTED ACRYLIC CURVED LENS. ⚠1	
AE	METALUX LITHONIA HE WILLIAMS	24CZ2-45-UNV-L835-CD-1-EL14W 2BLT4-45L-ADP-GZ10-LP835-EL14L LT24-L52-835-AF-L45-DIM-U-EM-UNV	277	LED 4500 LM	36 W	3500 K	2X4 LED LAY-IN TROFFER, FROSTED ACRYLIC CURVED LENS. EMERGENCY.	PROVIDE WITH EMERGENCY BATTERY PACK.
C	FC LIGHTING BROWNLEE LIGHTING HALO	FCW3800-UNV-40-CRI85-20L-BKE 7200-XX-L32-40K SMD14R-20-9S-WH-E-SMD14RTRXXX	277	LED 4000 LM	20 W	4000 K	SURFACE MOUNT ROUND EXTERIOR CANOPY LED LUMINAIRE, DIE-CAST ALUMINUM HOUSING. IP66 RATED. FLUSH LENS. MEDIUM LIGHT THROW DISTRIBUTION. ⚠1	PROVIDE UNISTRUT MOUNTING SO THAT THERE IS NO PENETRATIONS ON THE ROOF CANOPY. PROVIDE EMERGENCY REMOTE BATTERY UNIT WHERE NOTED ON PLANS.
F	METALUX LITHONIA HE WILLIAMS	4SNLED-L05-48SL-UNV-EL14W-L835-CD-1-U-AIRCRAFT CABLE ZL1D-L48-5000LM-FST-MVOLT-35K-80CR-WH-ZACVH M100 75R-4-L50-8-35K-ACF/D48-DIM-UNV	277	LED 5000 LM	50 W	3500 K	AIRCRAFT CABLE SUSPENDED 48" LED STRIP LIGHT.	PROVIDE AIRCRAFT CABLE AND ALL REQUIRED MOUNTING HARDWARE. AIRCRAFT CABLE SHALL BE FIELD ADJUSTABLE.
FE	METALUX LITHONIA HE WILLIAMS	4SNLED-L05-48SL-UNV-EL14W-L835-CD-1-U-AIRCRAFT CABLE ZL1D-L48-5000LM-FST-MVOLT-35K-80CR-E7W-WH-ZACVH M100 75R-4-L50-8-35K-EM10WLP-ACF/D48-DIM-UNV	277	LED 5000 LM	50 W	3500 K	AIRCRAFT CABLE SUSPENDED 48" LED STRIP LIGHT.	PROVIDE AIRCRAFT CABLE AND ALL REQUIRED MOUNTING HARDWARE. PROVIDE BATTERY BACKUP. AIRCRAFT CABLE SHALL BE FIELD ADJUSTABLE.
FWE	METALUX LITHONIA HE WILLIAMS	4SNLED-L05-48SL-UNV-EL14W-L835-CD-1-U ZL1D-L48-5000LM-FST-MVOLT-35K-80CR-E7W-WH 75R-4-L50-8-35K-EM10WLP-DIM-UNV	277	LED 4800 LM	35 W	3500 K	WALL MOUNTED 48" LED STRIP LIGHT	SURFACE MOUNT ABOVE DOOR AND PROVIDE ALL MOUNTING ACCESSORIES, PROVIDE EMERGENCY BATTERY BACKUP.
G	LITHONIA HE WILLIAMS METALUX	IBG 24000LM SEF ACL GND MVOLT GZ10 35K 80CRI WGIBG24 IBAC120M100 GH-4-L240/835-FA-GC2-Y18-10-WG11-DIM-UNV OHBL-245E-W-UNV-L835-CD-U/OHB-WG162-Y-TOGGLE10-U	277	LED 24000 LM	144 W	3500 K	2X4 LED HIGH BAY FIXTURE MOUNTED FROM THE STRUCTURE VIA AIRCRAFT CABLES.	PROVIDE WIRE GUARD AND AIRCRAFT CABLES. MOUNT SO THAT FIXTURES ARE 20'-0" AFF. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING.
GE	LITHONIA HE WILLIAMS METALUX	IBG 24000LM SEF ACL GND MVOLT GZ10 35K 80CRI IE20WCPHE WGIBG24 IBAC120M100 GH-4-L240/835-FA-EM20W-GC2-Y18-10-WG11-DIM-UNV OHBL-245E-W-UNV-L835-EL20W-CD-U/OHB-WG162-Y-TOGGLE10-U	277	LED 24000 LM	144 W	3500 K	2X4 LED HIGH BAY FIXTURE MOUNTED FROM THE STRUCTURE VIA AIRCRAFT CABLES.	PROVIDE EMERGENCY BATTERY, WIRE GUARD, AND AIRCRAFT CABLES. MOUNT SO THAT FIXTURES ARE 20'-0" AFF. PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING.
SL-4	LITHONIA SIGNIFY MCGRAW-ED/HAPCO	DSX0 LED P4 40K 80CRI T4M MVOLT RPA HS DBLXD / RTS-25-5-9B-DM49AS-DDBXD OPF-S-A03-P05-830-T4M-BLC-AR1-277-BK / 06TRS-11-D4-XX GALN-SA2B-735-U-T4-XX-HSS / RTS25B61-4-XX	277	LED 11000 LM	556 W	4000 K	LED AREA LIGHT FOUR HEAD TYPE 4 DISTRIBUTION ON 25' ROUND TAPERED POLE. BLACK FINISH. ⚠1	INSTALL POLE PER DETAIL. CONFIRM COLOR FINISH WITH ARCHITECT TO MATCH EXISTING SITE LIGHTING. PRIOR TO ORDERING, CONFIRM EXISTING SITE LIGHTING POLE HEIGHT MATCHES THE 25' POLE (27'-5" TOTAL WITH BASE). WHERE THERE IS A DISCREPANCY, NOTIFY ARCHITECT AND AWAIT SUPPLEMENTAL INSTRUCTION.
W1	LITHONIA SIGNIFY NLS LIGHTING	WDGE2 LED P2 40K 80CRI VW MVOLT DBLXD GWM-A06-840-T3M-277-BK TWA-T3-16L-40-40K8-UNV-WM-XX	277	LED 2000 LM	15 W	4000 K	WALL MOUNTED LED LUMINAIRE, DIE CAST ALUMINUM HOUSING, TYPE III DISTRIBUTION, BLACK FINISH.	COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
WE	LITHONIA SIGNIFY NLS LIGHTING	WDGE2 LED P2 40K 80CRI VW MVOLT E20WC DBLXD GWM-A06-840-T3M-277-EC-BK TWA-T3-16L-40-40K8-UNV-WM-EMB-XX	277	LED 2000 LM	15 W	4000 K	WALL MOUNTED LED LUMINAIRE, DIE CAST ALUMINUM HOUSING, TYPE III DISTRIBUTION, BLACK FINISH. EMERGENCY.	PROVIDE EMERGENCY BATTERY PACK. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
X1	METALUX HE WILLIAMS EXITRONIX	CHEX-S-W EXIT/EM/LED-R-WHT-HL-D QCSS-R-WH	277	LED 1100 LM	5 W	3500 K	WALL MOUNTED COMBINATION EXIT SIGN AND EMERGENCY EGRESS LIGHT. EGRESS LIGHTING HEADS SHALL BE HIGH OUTPUT TYPE AND INTEGRAL TO THE FIXTURE. REMOVABLE DIRECTIONAL ARROWS AND REMOVABLE 2ND BACK EXIT FACE.	WALL/CEILING MOUNT AS SHOWN ON FLOOR PLANS. WHERE SHOWN WALL MOUNTED, SEE STANDARD ELEVATIONS FOR HEIGHTS. PROVIDE BATTERY BACKUP AND INTEGRAL EGRESS LAMPS.

LUMINAIRE SCHEDULE NOTES:

1. MANUFACTURER CATALOG NUMBERS ARE SHOWN FOR GENERAL DESCRIPTIVE PURPOSES AND TO ESTABLISH STANDARD OF QUALITY ONLY. PROVIDE LUMINAIRES COMPLETE WITH ALL OPTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. ALL PRODUCTS SHALL BE UL LISTED. ALL SUBSTITUTION REQUEST SHALL BE SUBMITTED FOR REVIEW PRIOR TO BID PER SPECIFICATIONS.

2. VERIFY CONSTRUCTION OF CEILINGS BEING INSTALLED AND PROVIDE THE LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.

3. PROVIDE LUMINAIRES WITH JOINING PLATES, END CAPS, CANOPIED, MOUNTING HARDWARE, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.

4. EXIT LIGHTS SHALL BE PROVIDED WITH COLOR OF LETTERS REQUIRED BY LOCAL CODE AUTHORITY. FURNISH WITH CHEVRON DIRECTIONAL INDICATORS AS INDICATED AND REQUIRED.

5. PROVIDE DEVICES FOR SECURING LAY-IN TYPE LUMINAIRES TO CEILING GRID TO COMPLY WITH ARTICLE 410 OF THE NATIONAL ELECTRIC CODE.

6. FURNISH LINEAR LUMINAIRES IN CONTINUOUS ROWS OR PATTERNS AS INDICATED ON DRAWINGS. PROVIDE WITH CORNER, ANGLE AND END PIECES AS REQUIRED FOR A COMPLETE INSTALLATION.

7. FURNISH LUMINAIRES IN MECHANICAL SPACES COMPLETE WITH PENDANT STEMS OR CHAIN HANGERS AS REQUIRED TO MOUNT BELOW PIPING, DUCT, CONDUIT, ETC. MAINTAIN UNIFORM MOUNTING HEIGHT FOR ALL LUMINAIRES THROUGHOUT THE MECHANICAL AREA.

8. PENDANT MOUNTED LUMINAIRES WITH AIRCRAFT CABLE SUSPENSION SYSTEMS SHALL BE FURNISHED WITH ADJUSTABLE CABLE GRIP HARDWARE. CABLE SIZE SHALL BE SELECTED MY MANUFACTURER TO PROVIDE ADEQUATE SUPPORT OF LUMINAIRES SPECIFIED.

9. EMERGENCY BATTERY PACKS FOR LED LUMINAIRES SHALL OPERATE FOR 90 MINUTES MINIMUM.

10. LED FIXTURES: TO INSURE A FIXTURE WILL PERFORM "AS ADVERTISED" ON A CUT SHEET, THE PUBLISHED SPECIFICATION SHALL BE SUPPORTED BY LM-79 TEST RESULTS, LED FIXTURES WHICH ARE BUILT USING LED'S SHALL HAVE SUCCESSFULLY PASSED LM-80. LED'S SHALL YIELD A LM-80 RESULT OF A MINIMUM OF 70% OF THE ORIGINAL LIGHT OUTPUT OF THE LED STILL BEING DELIVERED AFTER 50,000 HOURS OF OPERATION. THE POWER SUPPLY UNIT (DRIVER) SHALL HAVE 150,000 HOURS MTBF (MEAN TIME BETWEEN FAILURES). AN INTEGRATED BATTERY BACKUP SOLUTION FOR THE LED FIXTURE IS REQUIRED. REPLACEABLE LED BOARDS TO ALLOW FIXTURE UPGRADE.

11. VERIFY CONSTRUCTION OF CEILINGS BEING INSTALLED AND PROVIDE THE LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR COMPATIBLE INSTALLATION.

12. PROVIDE FUSES FOR UNGROUNDED CONDUCTORS SUPPLYING LED DRIVERS, PROVIDE FUSED SIZED FOR RATING OF LED DRIVER.

13. POLE MANUFACTURER SHALL COORDINATE WITH LUMINAIRE MANUFACTURER TO PROVIDE ADEQUATE STRENGTH TO SUPPORT THE FIXTURE. PROVIDE APPROPRIATE MOUNTING HARDWARE, ANCHOR BOLTS, BOLT/BASEPLATE COVERS AND GROUNDING LUG. MANUFACTURER SHALL FURNISH AN ANCHOR BOLT TEMPLATE TO ENSURE PROPER MOUNTING AND LUMINAIRE ORIENTATION FOR CORRECT LIGHT DISTRIBUTION.

LCP-1 SCHEDULE

Relay	Panel	Circuit Number	Location Description	LOCAL CONTROL
1	LP-2	28	PARKING LOT	EXTERIOR OVERRIDE SWITCH
2	LP-2	29	CANOPY	EXTERIOR OVERRIDE SWITCH
3	LP-2	38	NORTH EXTERIOR WALL	EXTERIOR OVERRIDE SWITCH
4	LP-2	37	NORTH EXTERIOR WALL	EXTERIOR OVERRIDE SWITCH

⚠1

LCP-G SCHEDULE

Relay	Panel	Circuit Number	Location Description	LOCAL CONTROL
1	MP-G	2	GYM LIGHTING	2 HOUR TIMED OVERRIDE SWITCH
2	MP-G	7	GYM EXTERIOR WALLS	EXTERIOR OVERRIDE SWITCH

LIGHTNING CONTROL PANEL NOTES FOR EACH LCP:

A. LIGHTING CONTROL PANEL SHALL HAVE A MINUMUM 7-DAY CLOCK.

B. LIGHTING CONTROL PANEL SHALL BE CAPABLE OF BEING SET FOR SEVEN DIFFERENT DAY TYPES PER WEEK.

C. LIGHTING CONTROL PANEL SHALL INCORPORATE AN AUTOMATIC HOLIDAY "SHUTOFF" FEATURE, WHICH TURNS OFF ALL CONTROLLED LIGHTING LOADS FOR AT LEAST 24 HOURS AND THEN RESUMES NORMALLY SCHEDULED OPERATIONS.

D. EACH LIGHTING CONTROL PANEL SHALL HAVE A PROGRAM BACKUP CAPABILITIES, WHICH PREVENT THE LOSS OF PROGRAM AND TIME SETTINGS FOR AT LEAST 10 HOURS, IF PROGRAM IS INTERRUPTED.

E. PROVIDE AT A MINIMUM FOUR (4) SPARE RELAYS IN EACH LIGHTING CONTROL PANEL.

F. OVERRIDE SWITCHES SHALL TURN THE RESPECTIVE ZONE "ON" DURING OFF HOURS FOR 2 HOURS MAXIMUM.

G. ALL OVERRIDE SWITCHES SHALL BE LABELED WITH THE "DESCRIPTION " AREA".

H. PROVIDE DRY CONTACTS FOR A RELAY TO CONNECT FIRE ALARM WIRING INTERFACE. ALL AUTOMATICALLY SWITCHED LIGHTING WITHIN THE MEANS OF EGRESS SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM. UPON ACTIVATION, THE LIGHTS SHALL BE SWITCHED TO "ON" AND FULL BRIGHT.

I. PROVIDE PHOTOCELL/PHOTOSENSOR CONNECTED TO THE LCP.

J. CONFIRM ON/OFF SCHEDULING WITH THE OWNER. LIGHTING CONTROL PANEL SHALL BE PROGRAMMED FOR THE OWNER.

K. LIGHTING CONTROL PANEL VENDOR SHALL PROVIDE SHOP DRAWINGS OF ALL LOCATIONS OF DEVICES AND EQUIPMENT ON THE FLOOR PLAN FOR SUBMITTAL REVIEW AND FOR INSTALLATION PURPOSE. LIGHTING CONTROL PANEL VENDOR SHALL PROVIDE DETAILED WIRING DIAGRAMS FOR ALL DEVICES AND EQUIPMENT WITHIN LCP SYSTEM.

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Project Number :
50181596

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 51403
07/26/2024
REGISTERED
ANTHONY MICHAEL MANDELL

SHEET TITLE:
ELECTRICAL LUMINAIRE SCHEDULE AND DETAILS

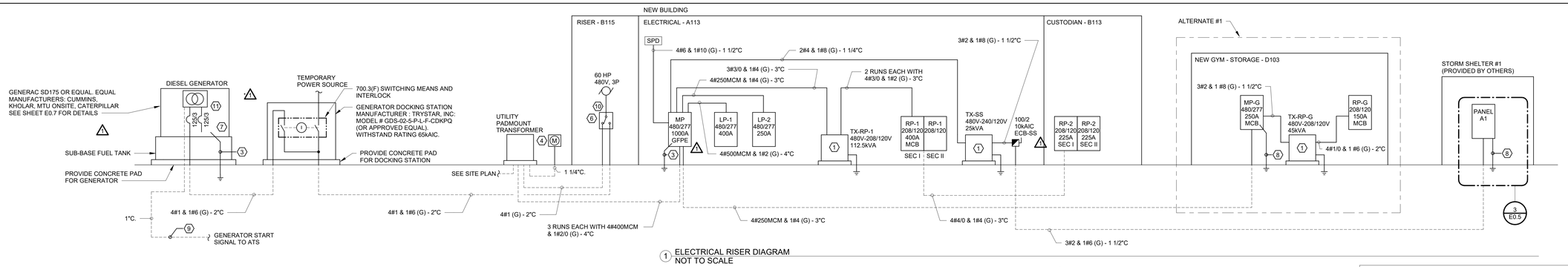
PROJ. MGR.: –	AMM
DRAWN:	DB
DATE: –	07/16/24

REVISIONS

1	7/16/24	Addendum #1
2	7/26/24	Addendum #2

JOB NO. 24-38

SHEET NO:
E0.2



1 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

RISER DIAGRAM KEYNOTES:

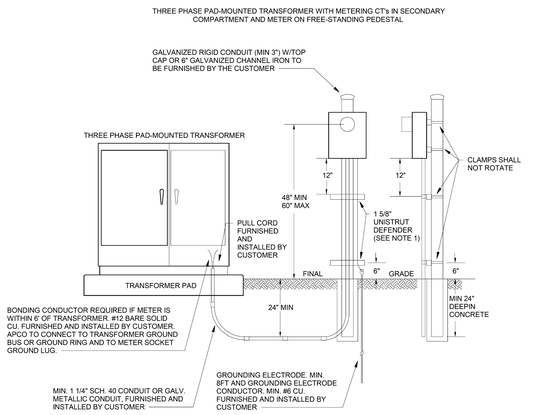
1. SEE WIRING DIAGRAM DRY-TYPE TRANSFORMER GROUNDING DETAIL. PROVIDE 4" HOUSEKEEPING PAD WITH CHAMFERED EDGES (1"). MOUNT WITH VIBRATION ISOLATORS. SEE CONDUIT TERMINATION WITH FLEXIBLE CONNECTION TO TRANSFORMER DETAIL.
2. CONCEAL CONDUIT AS MUCH AS POSSIBLE. STUB OUT OF BUILDING AND SURFACE MOUNT ALONG EXISTING EXTERIOR WALL TO TRANSITION TO UNDERGROUND. MINIMIZE SURFACE MOUNTED CONDUIT AND RUN UNDERGROUND FROM EXISTING BUILDING TO NEW BUILDING TO COMPLETE THE CONNECTION.
3. SEE SERVICE GROUNDING DETAIL.
4. UTILITY METER PER UTILITY SPECIFICATIONS. COORDINATE SPECIFICATIONS AND REQUIREMENTS WITH UTILITY. SEE DETAIL.
5. MOUNT SURGE SUPPRESSOR ADJACENT TO PANEL. LEAD LENGTH NOT TO EXCEED 12 INCHES.
6. FIRE PUMP CONTROLLER AND FIRE PUMP (RESPECTIVELY). COORDINATE WITH EQUIPMENT PROVIDER.

RISER DIAGRAM KEYNOTES (CONTINUED):

7. DIESEL GENERATOR WITH SUB-BASE TANK 175KW, 219KVA WITH RUNTIME NOTED ON SHEET E0.7. UNIT SHALL INCLUDE A WEATHERPROOF SOUND ATTENUATED ENCLOSURE
8. SEE GROUNDING DETAIL - OUTSIDE FEEDER
9. CONTROL CONDUCTORS INSTALLED BETWEEN THE FIRE PUMP POWER TRANSFER SWITCH AND THE STANDBY GENERATOR SUPPLYING THE FIRE PUMP DURING NORMAL POWER LOSS SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING. THE INTEGRITY OF THE GENERATOR REMOTE START CIRCUIT SHALL BE MONITORED FOR BROKEN, DISCONNECTED, OR SHORTED WIRES. LOSS OF INTEGRITY SHALL START THE GENERATOR(S). PROVIDE CABLING AS RECOMMENDED BY THE MANUFACTURER. PROVIDE 3 WIRE START CIRCUIT.
10. A LISTED SURGE PROTECTION DEVICE SHALL BE INSTALLED IN OR ON THE FIRE PUMP CONTROLLER. COORDINATE WITH FIRE PROTECTION CONTRACTOR AND CONNECT/INSTALL AS REQUIRED.
11. PROVIDE SPARE BREAKER FOR LOAD BANK TEST. GENERATOR SHALL AUTOMATICALLY DUMP LOAD BANK UPON FAILURE OF NORMAL POWER.

GENERAL NOTES:

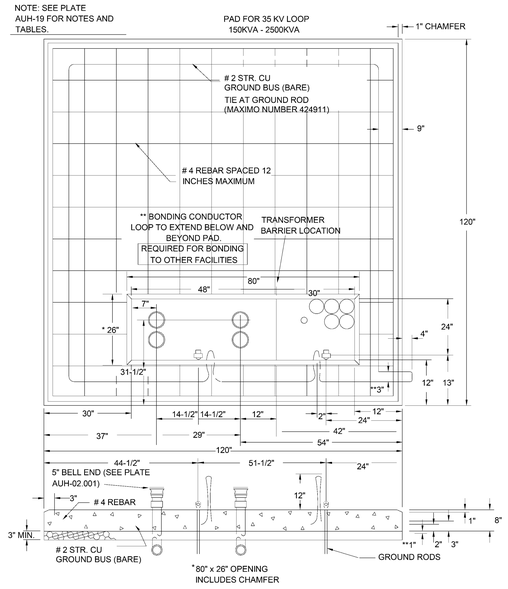
A. SEE PANEL SCHEDULES FOR ALL BREAKERS



CONSULT APCO ENGINEERING FOR MAX ALLOWABLE DISTANCE BETWEEN TRANSFORMER AND METER PEDESTAL

NOTE 1: COMPARABLE PRODUCT TO UNISTRUT DEFENDER IS ACCEPTABLE.

DETAIL - APCO METER PEDESTAL
NOT TO SCALE



DETAIL - APCO UTILITY PADMOUNT
NOT TO SCALE

Panel: MP | **Enclosure:** NEMA 1 | **Volts:** 480/277 Wye | **Bus Rating:** 1000 A | **A.I.C. Rating:** 42,000
Location: ELECTRICAL - A113 | **Mounting:** SURFACE | **Phases:** 3 | **Main Device Type:** MCB
Fed From: | | **Wires:** 4 | **Main Device Size:** 1000 A | **Fault Current:** 36166

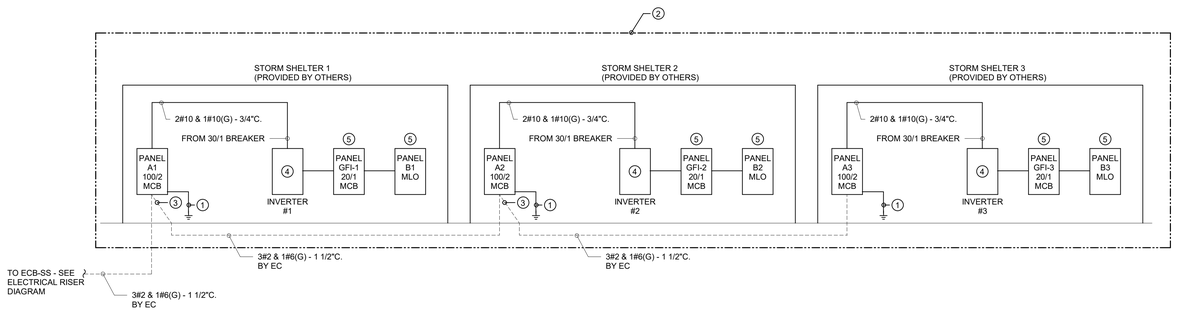
Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	Phase Load (VA) A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	LP-1		Misc. Power, Lighting	400	3	68723	41274		3	200	HVAC, Motor, Electric		TX-RP-1	2
3	--		-	--	--		66241	40515	--	--	-		--	4
5	--		--	--	--			66041	38511	--	--	-		--	6
7	LP-2		Motor Heating	250	3	38999	6426		3	50	HVAC		RTU-ADMIN	8
9	--		-	--	--		39595	6426		--	--	-		--	10
11	--		-	--	--			40692	6426	--	--	-		--	12
13	RTU-2		HVAC	60	3	10415	10415		3	60	HVAC		RTU-1	14
15	--		-	--	--		10415	10415		--	--	-		--	16
17	--		-	--	--			10415	10415	--	--	-		--	18
19	RTU-3		HVAC	50	3	6426	6360		3	50	HVAC		ERU-2	20
21	--		-	--	--		6426	6360		--	--	-		--	22
23	--		-	--	--			6426	6360	--	--	-		--	24
25	ERU-3		HVAC	50	3	6360	6360		3	50	HVAC		ERU-1	26
27	--		-	--	--		6360	6360		--	--	-		--	28
29	--		-	--	--			6360	6360	--	--	-		--	30
31	MP-G		HVAC, Motor, Heating	250	3	31449	3050		2	20	Power		TX-SS	32
33	--		-	--	--		29333	3050		--	--	-		--	34
35	--		-	--	--			28209	--	1	--	-		Space	36
37	Space		-	--	1	--	--			1	--	-		Space	38
39	Space		-	--	1		--	--		1	--	-		Space	40
41	Space		-	--	1			--	--	1	--	-		Space	42
	Total Phase Connected Load (VA):					236244	231494	226211						
	Total Phase Connected Current (A):					856	839	817						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Electric Clothes Dryer	5000 VA	100.00%	5000 VA	**Total Connected Load (VA):**	694058 VA
Heating	13000 VA	100.00%	13000 VA	**Total Demand Load (VA):**	661766 VA
Lighting	23199 VA	125.00%	28999 VA	**Total Connected Current (A):**	835 A
Lighting - Exterior	1795 VA	125.00%	2243 VA	**Highest Connected Phase Current (A):**	856 A
Motor	297388 VA	101.18%	300895 VA	**Total Demand Current (A):**	796 A
Power	13212 VA	100.00%	13212 VA		
Receptacle	93980 VA	55.32%	51990 VA		
HVAC	246724 VA	100.00%	246724 VA		

Notes:
A. UL LISTED FOR SERVICE ENTRANCE
B. DEMAND LOAD PER NEC 220.86 = 663 AMPS
C. PROVIDE GFPE MAIN BREAKER

Circuit Notes:

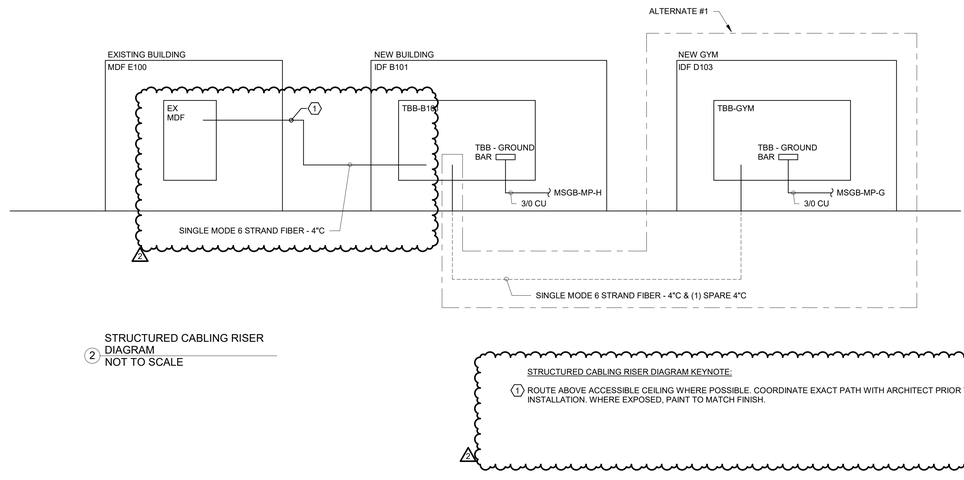
SEE NOTE B



3 STORM SHELTER RISER DIAGRAM
NOT TO SCALE

STORM SHELTER RISER DIAGRAM KEYNOTES:

1. GROUND PER NEC (SEE DETAIL). DO NOT BOND NEUTRAL AND GROUND AT THIS PANEL. (BY EC)
2. UNLESS OTHERWISE NOTED, ALL PANELS/EQUIPMENT/WORK IS PROVIDED BY OTHERS IN THE PRE-MANUFACTURERED STORM SHELTER UNIT. COORDINATE WITH STORM SHELTER/EQUIPMENT PROVIDER FOR EXACT LOCATIONS. STORM SHELTER RISER SHOWN FOR REFERENCE.
3. CONNECT FROM LISTED DOUBLE LUGS. CONNECTION BY EC.
4. INVERTER WITH 2 HOUR RUN TIME MINIMUM.
5. FEEDS ALL REQUIRED STANDBY LIGHTING AND VENTILATION FANS. SEE STORM SHELTER DRAWINGS.



2 STRUCTURED CABLING RISER DIAGRAM
NOT TO SCALE

STRUCTURED CABLING RISER DIAGRAM KEYNOTE:

1. ROUTE ABOVE ACCESSIBLE CEILING WHERE POSSIBLE. COORDINATE EXACT PATH WITH ARCHITECT PRIOR TO INSTALLATION. WHERE EXPOSED, PAINT TO MATCH FINISH.

Dewberry
2 Riverchase Office Plaza
Suite 205
Hoover, AL 35244
(205) 988-2069
www.dewberry.com

Project Number : 50181596

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 51403
07/26/2024
FRED MICHAEL MARSH

SHEET TITLE:
ELECTRICAL RISER DIAGRAM

PROJ. MGR.:	--	AMM
DRAWN:		DB
DATE:	--	07/16/24

REVISIONS

1	7/16/24	Addendum #1
2	7/26/24	Addendum #2

JOB NO. 24-38

SHEET NO: E0.5

Panel: MP-G | **Enclosure:** NEMA 1 | **Volts:** 480/277 Wye | **Bus Rating:** 250A | **A.I.C. Rating:** 25,000
Location: ELECT.D | **Mounting:** SURFACE | **Phases:** 3 | **Main Device Type:** MCB
Fed From: MP | **Wires:** 4 | **Main Device Size:** 250A | **Fault Current:** 13296

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	TX-RP-HG		HVAC, Motor - Heating ...	100	3	6032	2888		1	20	Lighting		GYM LTG	2
3	--		--	--				5862	908		1	20	Lighting		GYM LTG - MISC	4
5	--		--	--						5606	22603	3	125	HVAC	AHU-GYM	6
7	LGT - EXTERIOR WALLS		Lighting - Exterior	20	1	180	22603		--	--	--		--	8
9	Spare		--	20	1			0	22603				--	--	--	10
11	Spare		--	20	1					0	--	1	--	--	Space	12
13	Spare		--	20	1	0	--					1	--	--	Space	14
15	Spare		--	20	1			0	--			1	--	--	Space	16
17	Spare		--	20	1					0	--	1	--	--	Space	18
19	Spare		--	20	1	0	--					1	--	--	Space	20
21	Spare		--	20	1			0	--			1	--	--	Space	22
23	Spare		--	20	1					0	--	1	--	--	Space	24
25	Spare		--	20	1	0	--					1	--	--	Space	26
27	Spare		--	20	1			0	--			1	--	--	Space	28
29	Spare		--	20	1					0	--	1	--	--	Space	30
31	Spare		--	20	1	0	--					1	--	--	Space	32
33	Spare		--	20	1			0	--			1	--	--	Space	34
35	Spare		--	20	1					0	--	1	--	--	Space	36
37	Spare		--	20	1	0	--					1	--	--	Space	38
39	Spare		--	20	1			0	--			1	--	--	Space	40
41	Spare		--	20	1					0	--	1	--	--	Space	42
	Total Phase Connected Load (VA):					31564		29333			28209					
	Total Phase Connected Current (A):					115		107			102					

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Heating	4500 VA	100.00%	4500 VA	**Total Connected Load (VA):**	88983 VA
Lighting	4951 VA	125.00%	6189 VA	**Total Demand Load (VA):**	90378 VA
Lighting - Exterior	60 VA	125.00%	75 VA	**Total Connected Current (A):**	107 A
Motor	696 VA	125.00%	870 VA	**Highest Connected Phase Current (A):**	115 A
Power	3712 VA	100.00%	3712 VA	**Total Demand Current (A):**	109 A
Receptacle	5560 VA	100.00%	5560 VA		
HVAC	69640 VA	100.00%	69640 VA		

Notes:

Circuit Notes:

Panel: MP-G | **Enclosure:** NEMA 1 | **Volts:** 120/208 Wye | **Bus Rating:** 225 A | **A.I.C. Rating:** 10,000
Location: STORAGE - D103 | **Mounting:** SURFACE | **Phases:** 3 | **Main Device Type:** MCB
Fed From: TX-RP-G | **Wires:** 4 | **Main Device Size:** 150 A | **Fault Current:** 2461

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	LCP-G		Power	20	1	200	540		1	20	Receptacle		REC - OFFICE D101	2
3	REC - GYM D100		Receptacle	20	1		360	180	1	20	Receptacle		REC - RISER D102	4
5	REC - BTHRM D105, D106, & D104		Receptacle	20	1			540	800	1	20	Receptacle	1	REC - EWC GYM D100	6
7	REC - EWC GYM D100	1	Receptacle	20	1	800	1656		1	20	Power			GOAL RAISE/LOWER	8
9	GOAL RAISE/LOWER		Power	20	1		1656	696	1	20	Motor			EF-1	10
11	REC - EXTERIOR		Receptacle	20	1			180	916	2	30	HVAC		OHP-10 HVAC	12
13	Space		--	--	1	--	916			--	--	--		--		14
15	Space		--	--	1			--	360	1	20	Receptacle		REC - TBB-G	16
17	Space		--	--	1				--	720	1	20	Receptacle		REC - TBB-G	18
19	Space		--	--	1	--	540				1	20	Receptacle		REC - ELEC, STOR, CON-PUMP	20
21	Space		--	--	1			--	0		1	20	Power		AUX PWR - BBALL CTL PNL	22
23	Space		--	--	1				--	0	1	20	Power		BBALL CTL PNL	24
25	Space		--	--	1	--	0				1	20	Power		BBALL CTL PNL	26
27	Space		--	--	1			--	360		1	20	Receptacle		REC - GYM D100	28
29	Space		--	--	1				--	200	1	20	Power		NAC	30
31	Space		--	--	1	--	1200				1	20	Lighting		SIGNAGE	32
33	Space		--	--	1			--	2250		2	30	Heating		WH-2	34
35	Space		--	--	1					--	2250	--	--	--	--	36
37	Space		--	--	1	--	180				1	20	Receptacle	2	REC - CIRC PUMP	38
39	Space		--	--	1			--	0		1	20	--		SPARE	40
41	Space		--	--	1					--	0	1	20	--		SPARE	42
	Total Phase Connected Load (VA):					6032		5862			5606					
	Total Phase Connected Current (A):					51		49			47					

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Heating	4500 VA	100.00%	4500 VA	**Total Connected Load (VA):**	17499 VA
Lighting	1200 VA	125.00%	1500 VA	**Total Demand Load (VA):**	17973 VA
Motor	696 VA	125.00%	870 VA	**Total Connected Current (A):**	49 A
Power	3712 VA	100.00%	3712 VA	**Highest Connected Phase Current (A):**	51 A
Receptacle	5560 VA	100.00%	5560 VA	**Total Demand Current (A):**	50 A
HVAC	1831 VA	100.00%	1831 VA		

Notes:

Circuit Notes:

1. PROVIDE GFI BREAKER
2. RED LOCK-ON BREAKER

Panel: RP-1 | **Enclosure:** NEMA 1 | **Volts:** 120/208 Wye | **Bus Rating:** 400 A | **A.I.C. Rating:** 10,000
Location: ELECTRICAL - A113 | **Mounting:** SURFACE | **Phases:** 3 | **Main Device Type:** MCB
Fed From: TX-RP-1 | **Wires:** 4 | **Main Device Size:** 400 A | **Fault Current:** 6751

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	OPH-4 HVAC		HVAC	30	2	915	21919		3	225	HVAC, Motor - Receptacle, ...		RP-2	2
3	--		--	--				915	22490		--	--	--	--	--	4
5	OHP-8 HVAC		HVAC	30	2					915	20831	--	--	--	--	6
7	--		--	--	--	915	915					2	30	HVAC	OHP-6 HVAC	8
9	OHP-7 HVAC		HVAC	30	2			915	915			--	--	--	--	10
11	--		--	--	--					915	540	1	20	Receptacle	REC - IDF B101	12
13	REC - IDF B101		Receptacle	20	1	720	180					1	20	Receptacle	REC - COND. PUMP #8	14
15	REC - IDF B101		Receptacle	20	1			1440	720			1	20	Receptacle	REC - IDF B101	16
17	REC - IDF B101		Receptacle	20	1					720	720	1	20	Receptacle	REC - IDF B101	18
19	REC - ELECTRICAL		Receptacle	20	1	180	540					1	20	Receptacle	REC - CORRIDOR B100	20
21	REC - COND. PUMP #5		Receptacle	20	1			180	720			1	20	Receptacle	REC - CLASSROOM A119	22
23	REC - CLASSROOM A119		Receptacle	20	1					900	900	1	20	Receptacle	REC - CLASSROOM A119	24
25	REC - CLASSROOM A117		Receptacle	20	1	900	900					1	20	Receptacle	REC - CLASSROOM A117	26
27	REC - CLASSROOM A117		Receptacle	20	1			720	720			1	20	Receptacle	REC - CLASSROOM A118	28
29	REC - CLASSROOM A118		Receptacle	20	1					900	900	1	20	Receptacle	REC - CLASSROOM A118	30
31	REC - CLASSROOM A116		Receptacle	20	1	900	900					1	20	Receptacle	REC - CLASSROOM A116	32
33	REC - CLASSROOM A116		Receptacle	20	1			720	720			1	20	Receptacle	REC - CLASSROOM A103	34
35	REC - CLASSROOM A103		Receptacle	20	1					900	900	1	20	Receptacle	REC - CLASSROOM A103	36
37	REC - CLASSROOM A104		Receptacle	20	1	720	900					1	20	Receptacle	REC - CLASSROOM A104	38
39	REC - CLASSROOM A104		Receptacle	20	1			900	900			1	20	Receptacle	REC - CLASSROOM A101	40
41	REC - CLASSROOM A101		Receptacle	20	1					900	720	1	20	Receptacle	REC - CLASSROOM A101	42
43	REC - CLASSROOM A102		Receptacle	20	1	900	900					1	20	Receptacle	REC - CLASSROOM A102	44
45	REC - CLASSROOM A102		Receptacle	20	1			720	720			1	20	Receptacle	REC - ASST. OFFICE A112	46
47	REC - MECH A111		Receptacle	20	1					360	720	1	20	Receptacle	REC - A107 LAUNDRY & A109 TLT	48
49	REC - LAUNDRY A107	1	Electric Clothes Dryer	30	2	2500	180					1	20	Receptacle	1	REC - LAUNDRY A107	50
51	--		--	--	--			2500	720			1	20	Receptacle		REC - WRKRM A106 & TLT A108	52
53	REC - WORKROOM A106	1	Receptacle	20	1					800	1260	1	20	Receptacle		REC - TLT A110, A112, & A114	54
55	REC - EWC CORRIDOR A100	1	Receptacle	20	1	800	800					1	20	Receptacle	1	REC - EWC CORRIDOR A100	56
57	REC - CLASSROOM C108		Receptacle	20	1			720	900			1	20	Receptacle		REC - CLASSROOM C108	58
59	REC - CLASSROOM C108		Receptacle	20	1					900	360	1	30	Receptacle		DATA RACK RECEPTACLE	60
61	REC - MECH POWER		Receptacle	20	1	900	360					1	20	Receptacle		REC - MECH POWER	62
63	REC - MECH POWER		Receptacle	20	1			180	360			1	20	Receptacle		REC - IDF B101	64
65	FACP	2	Power	20	1					200	2250	2	30	Heating		WH1	66
67	MICROWAVE - WORKROOM	1	Receptacle	20	1	180	2250					--	--	--		--	68
69	SPARE		--	20	1			0	720			1	20	Receptacle		Receptacle - EXTERIOR	70
71	SPARE		--	20	1					0	--	1	--	--		SPACE	72
73	SPARE		--	20	1	0	--					1	--	--		SPACE	74
75	SPARE		--	20	1			0	--			1	--	--		SPACE	76
77	SPARE		--	20	1					0	--	1	--	--		SPACE	78
79	SPARE		--	20	1	0	--					1	--	--		SPACE	80
81	SPARE		--	20	1			0	--			1	--	--		SPACE	82
83	SPARE		--	20	1					0	--	1	--	--		SPACE	84
	Total Phase Connected Load (VA):					41274		40515			38511					
	Total Phase Connected Current (A):					347		340			321					

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Electric Clothes Dryer	5000 VA	100.00%	5000 VA	**Total Connected Load (VA):**	120299 VA
Heating	4500 VA	100.00%	4500 VA	**Total Demand Load (VA):**	81139 VA
Motor	380 VA	113.16%	430 VA	**Total Connected Current (A):**	334 A
Power	3200 VA	100.00%	3200 VA	**Highest Connected Phase Current (A):**	347 A
Receptacle	88420 VA	55.65%	49210 VA	**Total Demand Current (A):**	225 A
HVAC	18799 VA	100.00%	18799 VA		

Notes:
A. PROVIDE TWO EQUAL SECTIONS

Circuit Notes:

1. PROVIDE GFI BREAKER
2. RED LOCK-ON BREAKER

Panel: RP-2 | **Enclosure:** NEMA 1 | **Volts:** 120/208 Wye | **Bus Rating:** 225 A | **A.I.C. Rating:** 10,000
Location: CUSTODIAN - B104 | **Mounting:** RECESSED | **Phases:** 3 | **Main Device Type:** MLO
Fed From: RP-1 | **Wires:** 4 | **Main Device Size:** 225 A | **Fault Current:** 6684

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	OHP-2 HVAC		HVAC	30	2	915	1414		2	30	HVAC		OHP-3 HVAC	2
3	--		--	--				915	1414	--	--	--	--	--	4
5	OHP-1 HVAC		HVAC	30	2					915	915	2	30	HVAC	OHP-5 HVAC	6
7	--		--	--	--	915	915					--	--	--	--	8
9	REC - GIRLS B102		Receptacle	20	1			720	1581			2	50	HVAC	OHP-9 HVAC	10
11	REC - CORRIDOR B100		Receptacle	20	1					720	1581	--	--	--	--	12
13	REC - RECEPTION B123		Receptacle	20	1	1260	720					1	20	Receptacle	REC - COUNSELOR B113	14
15	REC - OFFICE B113		Receptacle	20	1			720	720			1	20	Receptacle	REC - PRINCIPAL B111	16
17	REC - COPIER B123		Receptacle	20	1					800	720	1	20	Receptacle	REC - TOILET & FILE B109	18
19	REC - CONFERENCE B120		Receptacle	20	1	1260	180					1	20	Receptacle	REC - RISER B115	20
21	REC - NURSE B116 & ISO B114		Receptacle	20	1			1080	1200			1	20	Receptacle	1	REC - NURSE B116	22
23	REC - CORRIDOR B100		Receptacle	20	1					720	720	1	20	Receptacle		REC - CLASSROOM B112	24
25	REC - CLASSROOM B112		Receptacle	20	1	900	900					1	20	Receptacle		REC - CLASSROOM B112	26
27	REC - CLASSROOM B110		Receptacle	20	1			720	900			1	20	Receptacle		REC - CLASSROOM B110	28
29	REC - CLASSROOM B110		Receptacle	20	1					900	900	1	20	Receptacle		REC - CLASSROOM B108	30
31	REC - CLASSROOM B108		Receptacle	20	1	900	720					1	20	Receptacle		REC - CLASSROOM B108	32
33	REC - CLASSROOM B107		Receptacle	20	1			720	900			1	20	Receptacle		REC - CLASSROOM B107	34
35	REC - CLASSROOM B107		Receptacle	20	1					900	900	1	20	Receptacle		REC - CLASSROOM B105	36
37	REC - CLASSROOM B105		Receptacle	20	1	900	720					1	20	Receptacle		REC - CLASSROOM B105	38
39	REC - CLASSROOM B103		Receptacle	20	1			900	900			1	20	Receptacle		REC - CLASSROOM B103	40
41	REC - CLASSROOM B103		Receptacle	20	1					720	720	1	20	Receptacle		REC - CLASSROOM C107	42
43	REC - CLASSROOM C107		Receptacle	20	1	900	900					1	20	Receptacle		REC - CLASSROOM C107	44
45	REC - CLASSROOM C105		Receptacle	20	1			720	900			1	20	Receptacle		REC - CLASSROOM C105	46
47	REC - CLASSROOM C105		Receptacle	20	1					900	720	1	20	Receptacle		REC - CLASSROOM C106	48
49	REC - CLASSROOM C106		Receptacle	20	1	900	900					1	20	Receptacle		REC - CLASSROOM C106	50
51	REC - CLASSROOM C104		Receptacle	20	1			720	900			1	20	Receptacle		REC - CLASSROOM C104	52
53	REC - CLASSROOM C104		Receptacle	20	1					900	720	1	20	Receptacle		REC - CLASSROOM C103	54
55	REC - CLASSROOM C103		Receptacle	20	1	900	900					1	20	Receptacle		REC - CLASSROOM C103	56
57	REC - CLASSROOM C101		Receptacle	20	1			720	900			1	20	Receptacle		REC - CLASSROOM C101	58
59	REC - CLASSROOM C101		Receptacle	20	1					900	720	1	20	Receptacle		REC - CLASSROOM C102	60
61	REC - CLASSROOM C102		Receptacle	20	1	900	900					1	20	Receptacle		REC - CLASSROOM C102	62
63	REC - BOYS B106		Receptacle	20	1			540	1200			1	20	Receptacle		REC - NURSE B116	64
65	BATTERY CHARGER		Power	20	1					1000	1000	1	20	Power		BLOCK HEATER	66
67	GEN ALT STP HEAT & REC		Receptacle, Power	20	1	1180	200					1	15	Motor		EF-2	68
69	REC - EWC	1	Receptacle	20	1			800	800			1	20	Receptacle	1	REC - EWC	70
71	REC - EWC	1	Receptacle	20	1					800	180	1	15	Motor		DAMPER RISER B115	72
73	SPARE		--	20	1	0	720					1	20	Receptacle		REC - EXTERIOR	74
75	REC - EXTERIOR		Receptacle	20	1			720	180			1	20	Receptacle		REC - DOCKING STATION	76
77	REC - DOCKING STATION		Receptacle	20	1					360	500	1	20	Receptacle		REC - DOCKING STATION	78
79	Space		--	--	1	--	--					1	--	--		Spare	80
81	Space		--	--	1			--	--			1	--	--	1	Spare	82
83	Space		--	--	1					--	--	1	--	--	1	Spare	84
	Total Phase Connected Load (VA):					21919		22490			20831					
	Total Phase Connected Current (A):					184		189			174					

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Motor	380 VA	113.16%	430 VA	**Total Connected Load (VA):**	65239 VA
Power	3000 VA	100.00%	3000 VA	**Total Demand Load (VA):**	45099 VA
Receptacle	50380 VA	59.92%	30190 VA	**Total Connected Current (A):**	181 A
HVAC	11479 VA	100.00%	11479 VA	**Highest Connected Phase Current (A):**	189 A
				Total Demand Current (A):	125 A

Notes:
A. PROVIDE TWO EQUAL SECTIONS
B. EACH PANEL SHALL HAVE 3-1" EMPTY CONDUITS STUBBED OUT ABOVE CEILING FOR FUTURE CIRCUITS.

Circuit Notes:

1. PROVIDE GFI BREAKER

Panel: LP-1 | **Enclosure:** NEMA 1 | **Volts:** 480/277 Wye | **Bus Rating:** 400A | **A.I.C. Rating:** 42,000
Location: ELECTRICAL - A113 | **Mounting:** SURFACE | **Phases:** 3 | **Main Device Type:** MLO
Fed From: MP | **Wires:** 4 | **Main Device Size:** N/A | **Fault Current:** 34308

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	HP-1		Motor	25	3	4676	4676		3	25	Motor		HP-2	2
3	--		--	--	--		4676	4676	--	--	--		--	4
5	--		--	--	--			4676	4676	--	--	--	--	6
7	HP-3		Motor	25	3	4676	4676		3	25	Motor		HP-4	8
9	--		--	--	--		4676	4676	--	--	--		--	10
11	--		--	--	--			4676	4676	--	--	--	--	12
13	HP-5		Motor	25	3	4676	4676		3	25	Motor		HP-6	14
15	--		--	--	--		4676	4676	--	--	--		--	16
17	--		--	--	--			4676	4676	--	--	--	--	18
19	HP-7		Motor	25	3	4676	4676		3	25	Motor		HP-8	20
21	--		--	--	--		4676	4676	--	--	--		--	22
23	--		--	--	--			4676	4676	--	--	--	--	24
25	HP-9		Motor	25	3	4676	4676		3	25	Motor		HP-10	26
27	--		--	--	--		4676	4676	--	--	--		--	28
29	--		--	--	--			4676	4676	--	--	--	--	30
31	HP-11		Motor	25	3	4676	4676		3	25	Motor		HP-12	32
33	--		--	--	--		4676	4676	--	--	--		--	34
35	--		--	--	--			4676	4676	--	--	--	--	36
37	HP-13		Motor	25	3	4676	4676		3	25	Motor		HP-14	38
39	--		--	--	--		4676	4676	--	--	--		--	40
41	--		--	--	--			4676	4676	--	--	--	--	42
43	LIGHTING - CORRIDOR B100		Lighting	20	1	1900	916		1	20	Lighting		Lighting	44
45	LCP-1		Power	20	1			200	--				Space	46
47	JOCKEY PUMP		Motor	15	3				582	--	--		Space	48
49	--		--	--	--	582	--						Space	50
51	--		--	--	--		582	--					Space	52
53	Space		--	--	1				--	--	--		Space	54
	Total Phase Connected Load (VA):					68723		66241			66041			
	Total Phase Connected Current (A):					248		239			238			

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Lighting	2815 VA	125.00%	3519 VA	**Total Connected Load (VA):**	201001 VA
Motor	198123 VA	101.77%	201630 VA	**Total Demand Load (VA):**	205178 VA
Power	200 VA	100.00%	200 VA	**Total Connected Current (A):**	242 A
				Highest Connected Phase Current (A):	248 A
				Total Demand Current (A):	247 A

Notes:

Circuit Notes:

Panel: LP-2 | **Enclosure:** NEMA 1 | **Volts:** 480/277 Wye | **Bus Rating:** 250A | **A.I.C. Rating:** 42,000
Location: ELECTRICAL - A113 | **Mounting:** SURFACE | **Phases:** 3 | **Main Device Type:** MLO
Fed From: MP | **Wires:** 4 | **Main Device Size:** N/A | **Fault Current:** 32631

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	HP-15		Motor	25	3	4676	4676		3	25	Motor		HP-16	2
3	--		--	--	--		4676	4676	--	--	--		--	4
5	--		--	--	--			4676	4676	--	--	--	--	6
7	HP-17		Motor	25	3	4676	4676		3	25	Motor		HP-18	8
9	--		--	--	--		4676	4676	--	--	--		--	10
11	--		--	--	--			4676	4676	--	--	--	--	12
13	HP-19		Motor	25	3	4676	4676		3	25	Motor		HP-20	14
15	--		--	--	--		4676	4676	--	--	--		--	16
17	--		--	--	--			4676	4676	--	--	--	--	18
19	HP-21		Motor	25	3	4676	1266		1	20	Lighting		LIGHTING - ADMIN	20
21	--		--	--	--		4676	562	1	20	Lighting		LTG - CONFERENCE & NURSE	22
23	--		--	--	--			4676	1050	1	20	Lighting		LTG - CORRIDOR B100 & A100	24
25	LIGHTING NW WING		Lighting	20	1	630	105		1	20	Lighting - Exterior		LIGHTING - EXTERIOR	26
27	LIGHTING - EXTERIOR		Lighting - Exterior	20	1		133	1200	1	20	Lighting - Exterior		LIGHTING - PARKING LOT	28
29	LTG - NW EXTERIOR CANOPY		Lighting	20	1			420	570	1	20	Lighting		LTG - IDF, ELECTRICAL, MECH.	30
31	LTG - CLASSROOM A101-A104		Lighting	20	1	2000	2000		1	20	Lighting		LTG - CLASSROOM A116-A119	32
33	LTG - CLASSROOM B103-B112		Lighting	20	1		3000	2000	1	20	Lighting		LTG - CLASSROOM C105-C108	34
35	LTG - CLASSROOM C101-C104		Lighting	20	1			2000	4000	1	20	Heating		EWH-1	36
37	Lighting - Exterior		Lighting - Exterior	20	1	193	178		1	20	Lighting - Exterior		Lighting - Exterior	38
39	SPARE		--	20	1		0	--	1	--	--		Space	40
41	SPACE		--	--	1			--	--	1	--	--	Space	42
	Total Phase Connected Load (VA):					38999		39595	40692					
	Total Phase Connected Current (A):					141		143	147					

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Heating	4000 VA	100.00%	4000 VA	**Total Connected Load (VA):**	119285 VA
Lighting	15527 VA	125.00%	19408 VA	**Total Demand Load (VA):**	127068 VA
Lighting - Exterior	1619 VA	125.00%	2024 VA	**Total Connected Current (A):**	143 A
Motor	98189 VA	103.57%	101696 VA	**Highest Connected Phase Current (A):**	147 A
				Total Demand Current (A):	153 A

Notes:

Circuit Notes:

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2 Riverchase Office Plaza
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(205) 988-2069
www.dewberry.com

Project Number : 50181596

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 31403
PROFESSIONAL
07/26/2024
ANTHONY MICHAEL MADDUX

SHEET TITLE:
ELECTRICAL PANELBOARD SCHEDULES

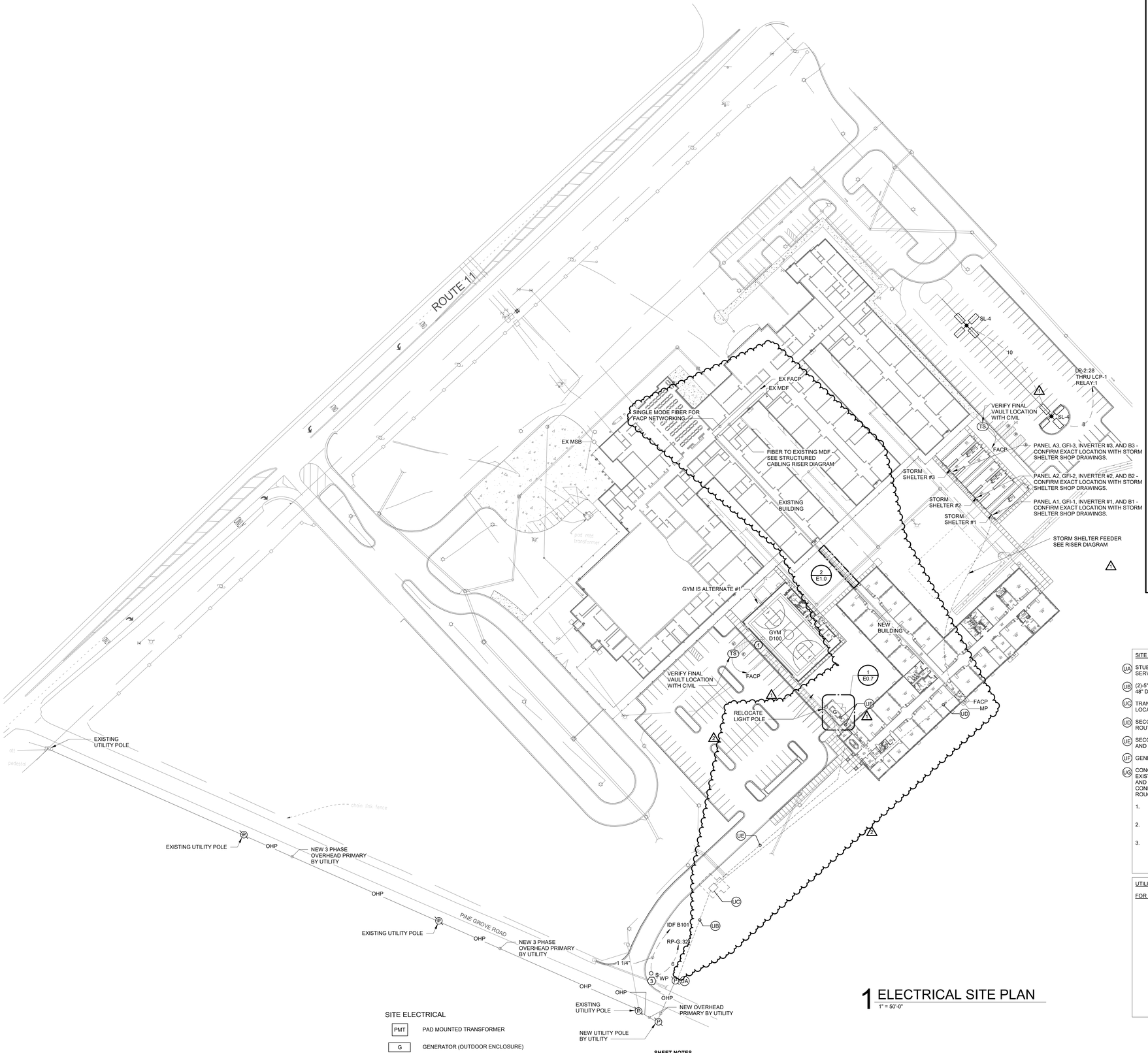
PROJ. MGR.:	-- AMM
DRAWN:	DB
DATE:	-- 07/16/24

REVISIONS

1	7/16/24	Addendum #1
2	7/26/24	Addendum #2

JOB NO. 24-38

SHEET NO:
E0.6



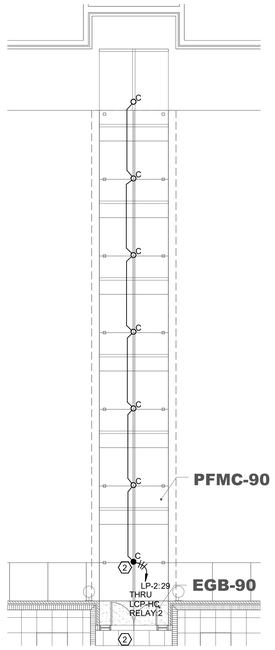
1 ELECTRICAL SITE PLAN
1" = 50'-0"

SITE ELECTRICAL

PMT	PAD MOUNTED TRANSFORMER
G	GENERATOR (OUTDOOR ENCLOSURE)
P	UTILITY POLE

SHEET NOTES

1. AS A PART OF ALTERNATE NUMBER 1, COORDINATE WITH CIVIL TO DEMOLISH EXISTING LIGHT POLE. INTERCEPT, EXTEND, AND REROUTE EXISTING SITE LIGHTING CIRCUIT TO MAKE THE CIRCUIT CONTINUOUS TO OTHER POLES.
2. PROVIDE WITH CONCEALED, REMOTE BATTERY PACK FOR EMERGENCY EGRESS. MOUNT ABOVE NEAREST ACCESSIBLE CEILING. PROVIDE SURE-LITE EBPLED14W OR EQUAL.
3. FOR POWER AND DATA TO MONUMENT SIGN. CONFIRM LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE DATA CABLES AS RECOMMENDED BY SIGNAGE PROVIDER. PROVIDE UL LISTED WIRE ADAPTERS TO ACCOUNT FOR VOLTAGE DROP.



2 LIGHTING - SITE CANOPY ENLARGED
1/8" = 1'-0"

NORTH

SITE POWER AND TELEPHONE NOTES:

(UA) STUB-OUT AND TERMINATE PER UTILITY COMPANY REQUIREMENTS. VERIFY LOCATION OF HIGH VOLTAGE SERVICE POINT PRIOR TO BIDDING AND INCLUDE ALL COST IN BID.

(UB) (2)-5"C FOR HIGH VOLTAGE SERVICE - VERIFY LOCATION AND ROUTING. HIGH VOLTAGE CONDUIT SHALL BE 48" DEEP.

(UC) TRANSFORMER SLAB-BOX WITH TRAFFIC GUARDS PER UTILITY COMPANY REQUIREMENTS. VERIFY SIZE, LOCATION AND ORIENTATION WITH UTILITY COMPANY.

(UD) SECONDARY FROM TRANSFORMER TO MAIN DISCONNECT. VERIFY ROUTING WITH UTILITY COMPANY AND ROUTE TO CLEAR STRUCTURAL FOOTING. SEE RISER DIAGRAM.

(UE) SECONDARY FROM TRANSFORMER TO FIRE PUMP CONTROLLER. VERIFY ROUTING WITH UTILITY COMPANY AND ROUTE TO CLEAR STRUCTURAL FOOTING. SEE RISER DIAGRAM.

(UF) GENERATOR FEED TO FIRE PUMP CONTROLLER. ROUTE TO CLEAR STRUCTURAL FOOTING.

(UG) CONCEAL CONDUIT AS MUCH AS POSSIBLE. STUB OUT OF BUILDING AND SURFACE MOUNT ALONG EXISTING EXTERIOR WALL TO TRANSITION TO UNDERGROUND. MINIMIZE SURFACE MOUNTED CONDUIT AND RUN UNDERGROUND FROM EXISTING BUILDING TO NEW BUILDING TO COMPLETE THE CONNECTION. CONFIRM EXACT LOCATION FOR SURFACE MOUNTING AND FIELD VERIFY CONDUIT ROUTE PRIOR TO ROUGH-IN.

1. ALL UTILITY SERVICE SHALL BE VERIFIED WITH THE UTILITY COMPANIES PRIOR TO BIDDING AND ALL RESULTING COSTS SHALL BE INCLUDED IN BID.
2. ACTUAL INSTALLATION OF ALL UTILITY SERVICES SHALL BE ACCORDING TO FINAL UTILITY COMPANY PLANS. SEE "UTILITY NOTES".
3. UTILITY CONTACTS:

   ELECTRIC UTILITY - ALABAMA POWER COMPANY - CHARLES ELLEDGE; CELLEDGE@SOUTHERNCO.COM; 1-334-289-6541

UTILITY NOTES:

FOR POWER SERVICE:

A. CONTRACTOR WILL PROVIDE (2)-5"C FOR HIGH VOLTAGE CIRCUITS FROM PROPERTY LINE TO TRANSFORMER SLABS. CONDUIT TO BE 48" DEEP AND TERMINATED IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS INCLUDING TRENCHING AND BACKFILL TO 90% COMPACTION.

B. CONTRACTOR WILL PROVIDE TRANSFORMER SLABS INSTALLED COMPLETE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.

C. CONTRACTOR WILL PROVIDE SECONDARY CONDUITS FOR LOW VOLTAGE CIRCUITS FROM TRANSFORMER SLABS TO BUILDING EQUIPMENT ROOMS, CONDUIT TO BE 48" DEEP AND TERMINATED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.

D. PROVIDE PULLWIRE IN ALL EMPTY CONDUITS.

E. USE JOINT TRENCHING WHEREVER POSSIBLE.

F. PROVIDE ADEQUATE GUARD RAILING AROUND POWER TRANSFORMERS IN PARKING AREAS.\

G. PROVIDE $15,000 AID TO CONSTRUCTION FOR ALABAMA POWER UTILITY WORK.

0' 50' 100'
SCALE: 1" = 50'

Know what's below. Call before you dig.

Dewberry
2 Riverchase Office Plaza
Suite 205
Hoover, AL 35244
(205) 988-2069
www.dewberry.com

Project Number : 50181596

LATHAN ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

ALABAMA LICENSED Matthew Michael Mirolyuz No. 51403 PROFESSIONAL 07/26/2024 ENGINEER

SHEET TITLE:
ELECTRICAL SITE PLAN

PROJ. MGR.: –	AMM
DRAWN:	DB
DATE: –	07/16/24

REVISIONS

1	7/16/24	Addendum #1
2	7/26/24	Addendum #2

JOB NO. 24-38

SHEET NO:
E1.0

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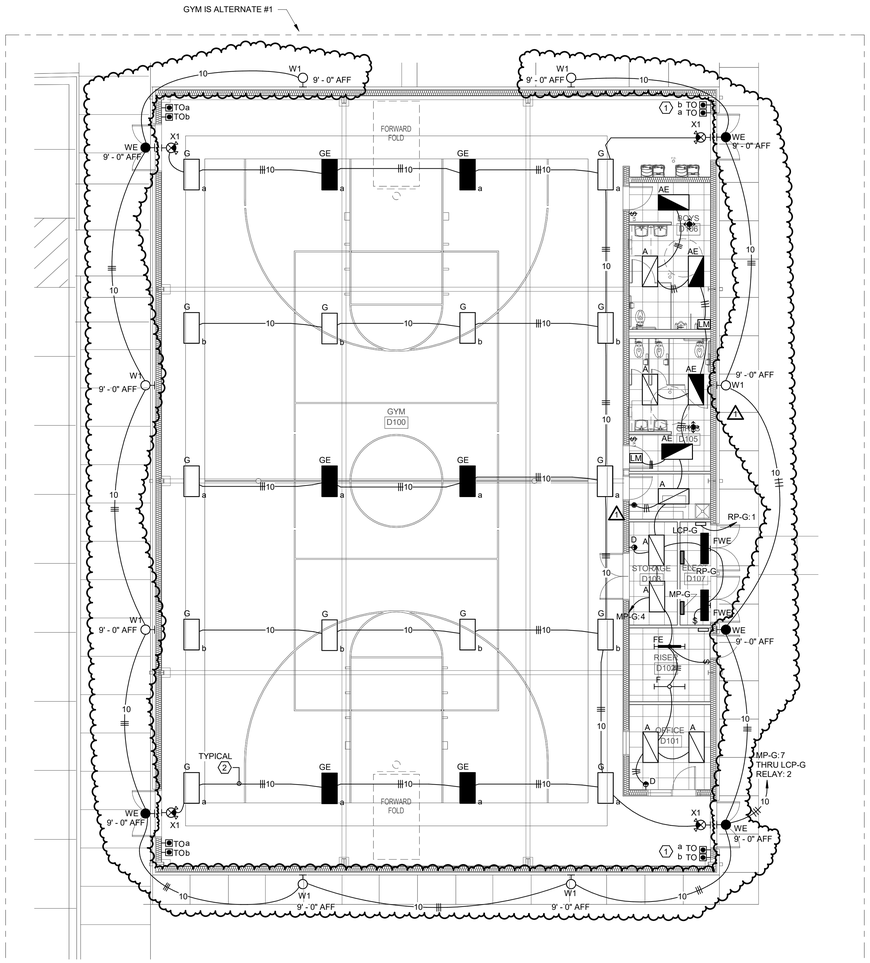
Project Number :
50181596

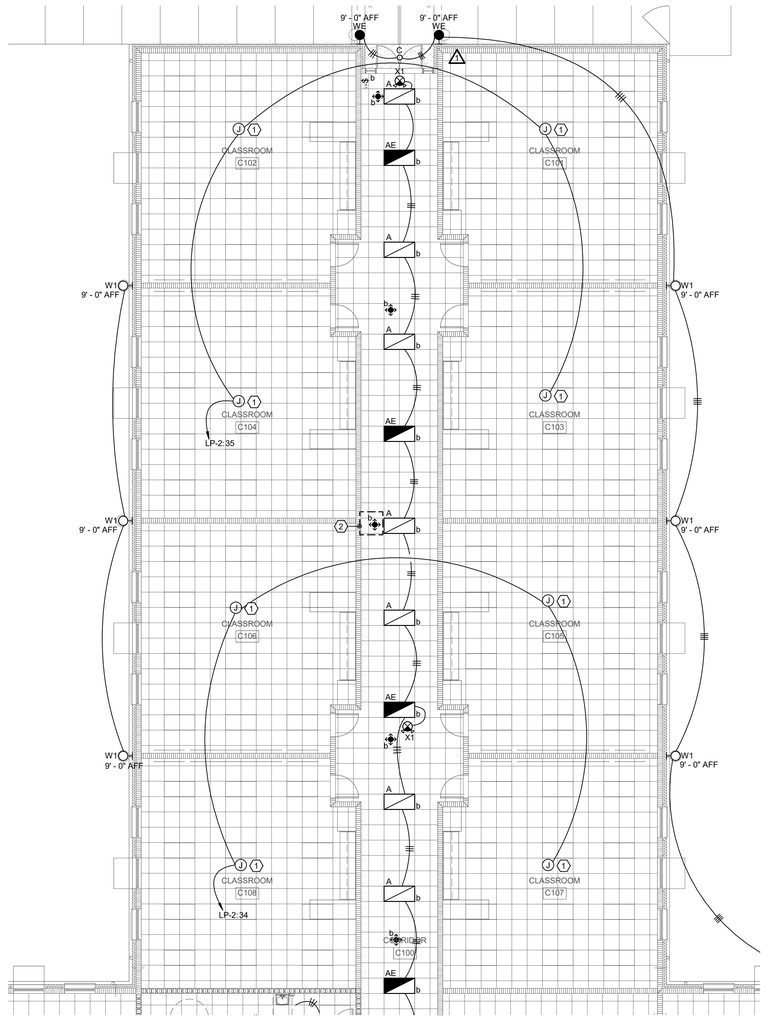
LATHAN ARCHITECTS



NORTH

2 LIGHTING - GYM FLOOR PLAN

1/8" = 1'-0"



NORTH

1 LIGHTING - FLOOR PLAN - PART B

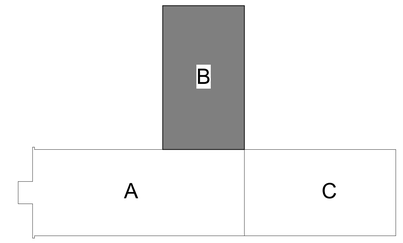
1/8" = 1'-0"

LIGHTING - GYM FLOOR PLAN KEYNOTES:

1. TIME OVERRIDE SHALL INCLUDE ON OFF FUNCTION DURING OPERABLE DURING "ON" HOURS. SEE DETAIL "MULTIZONE SWITCH AND OVERRIDE SWITCH SCHEMATIC". TYPICAL FOR ALL LCP TIME OVERRIDE SWITCHES.
2. COORDINATE WITH GC AND PAINT ALL EXPOSED CONDUIT. CONFIRM COLOR FINISH WITH ARCHTECT. MINIMIZE EXPOSED CONDUIT AS MUCH AS POSSIBLE.

LIGHTING - FLOOR PLAN - PART B

1. REFER TO E6.0 FOR TYPICAL CLASSROOM LIGHTING CIRCUITS AND CONTROLS.
2. TYPICAL FOR ALL CORRIDOR LIGHTING: LIGHTS AND CONTROLS SHALL BE AS FOLLOWS: SCHEDULE ON/SCHEDULE OFF WITH 2 HOUR TIMED OVERRIDE SWITCH. DURING "ON" HOURS, OCCUPANCY SENSORS SHALL OPERATE AS AUTOMATIC ON (FULL BRIGHT)/AUTOMATIC DIM TO 50%. DURING "ON" HOURS, SWITCHES SHALL BE MANUAL ON/MANUAL OFF.



KEY PLAN

SCALE: N.T.S.

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION

ALABAMA LICENSED No. 51403 PROFESSIONAL 07/26/2024 ENGINEER ALFRED MICHAEL MAIOLA III

SHEET TITLE:
LIGHTING - FLOOR PLAN - PART B

PROJ. MGR.: –	AMM
DRAWN:	DB
DATE: –	07/16/24

REVISIONS

1	7/16/24	Addendum #1
2	7/26/24	Addendum #2

JOB NO. 24-38

SHEET NO:
E2.1

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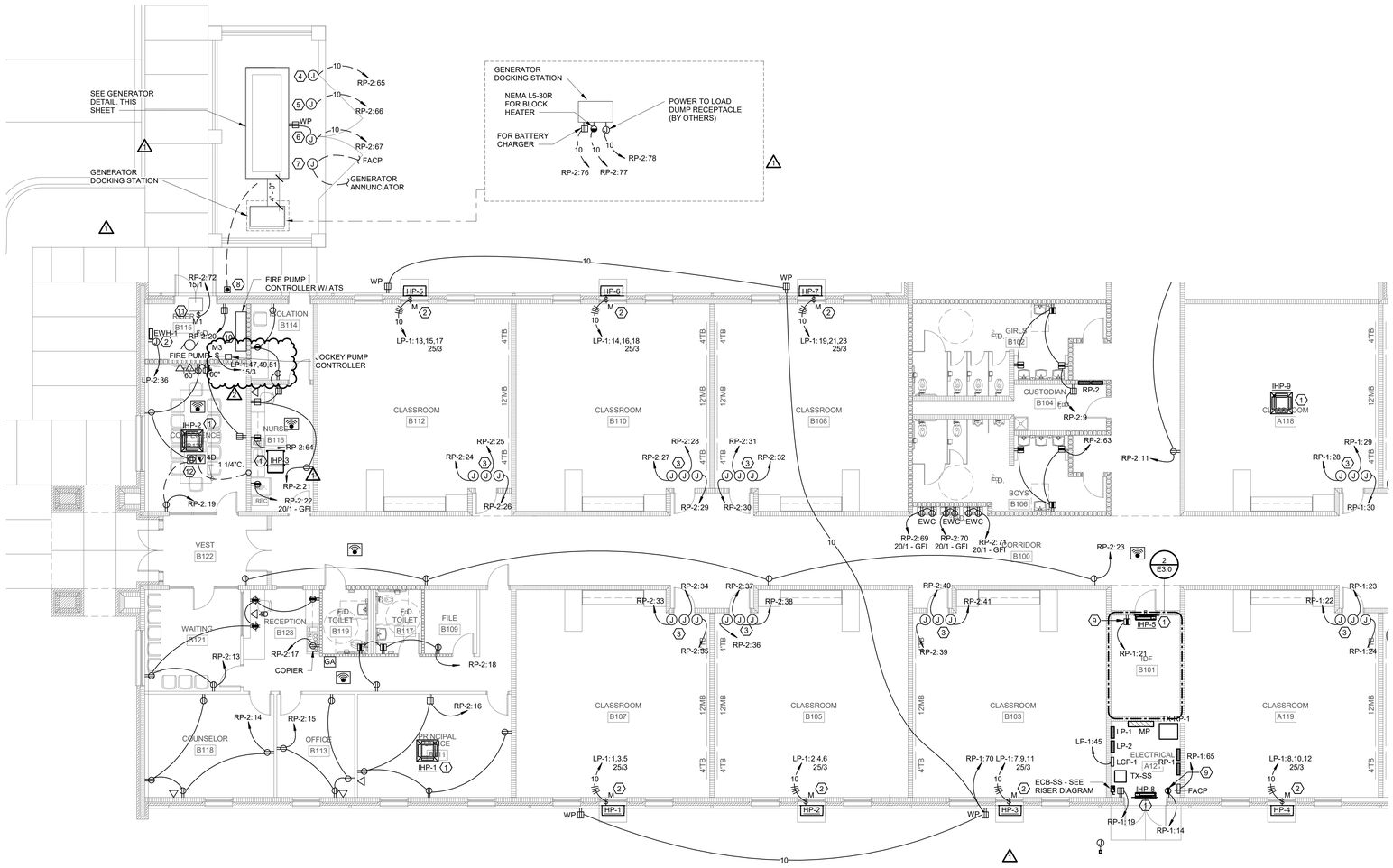
Project Number :
50181596

LATHAN
ARCHITECTS

ELEMENTARY ADDITION TO
SUMTER CENTRAL HIGH SCHOOL
13878 US HIGHWAY 11, YORK, AL 36925
SUMTER COUNTY BOARD OF EDUCATION



1 POWER AND VOICE/DATA - FLOOR PLAN - PART A
1/8" = 1'-0"

NORTH

GENERAL NOTES(APPLIES TO ALL SHEETS):

A. UP TO (3) 20 AMP CIRCUIT MAY BE COMBINED IN THE SAME CONDUIT. NEUTRALS MAY NOT BE SHARED. SEE SPECIFICATIONS FOR ALL DETAILS/REQUIREMENTS

B. SUPPORT OUTLET BOXES IN STUD PARTITIONS WITH SUPPORT THAT SPANS BETWEEN TWO STUDS.

C. SUPPORT ALL FLEXIBLE CONDUIT WITHIN 12" OF THE ELECTRICAL CONNECTION POINT OF THE EQUIPMENT.

D. PROVIDE ALL UNISTRUT AS REQUIRED FOR MOUNTING OF ELECTRICAL EQUIPMENT CORRESPONDING TO MECHANICAL AND PLUMBING EQUIPMENT.

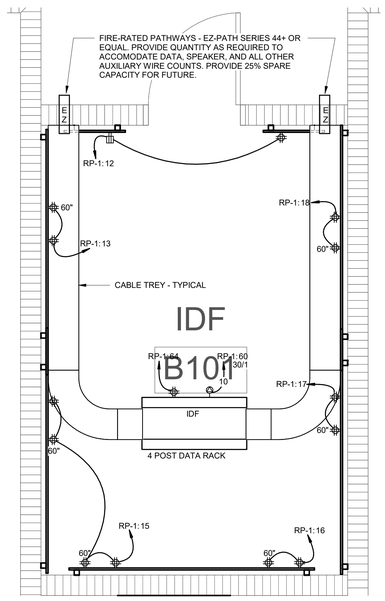
E. VERIFY FINAL LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT. COORDINATE CLEARANCES PER NEC 110.26 FOR ALL ELECTRICAL EQUIPMENT.

F. PROVIDE FUSE ADAPTERS FOR OVERSIZED DISCONNECTS SWITCHES AS REQUIRED.

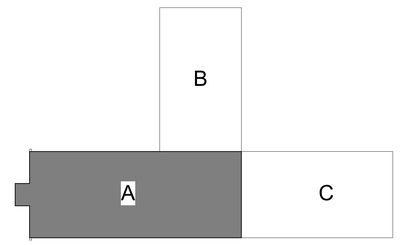
G. ALL 15 AND 20 AMP OUTLETS SHALL BE TAMPER RESISTANT UNLESS PERMITTED IN E-001A NOTES.

SHEET KEYNOTES:

1. POWER FOR INDOOR HEAT PUMP UNITS ARE DERIVED FROM OUTDOOR HEAT PUMP. E.C. SHALL PROVIDE AND INSTALL 3-#12, 1-#12(G), 3/4"C. BETWEEN EACH INDOOR AND OUTDOOR UNIT. E.C. SHALL CONNECT 3-POLE DISCONNECT SWITCH PROVIDED BY MECHANICAL FOR EACH UNIT.
2. DISCONNECTING MEANS INTEGRAL TO THE UNIT. COORDINATE EXACT CONNECTION POINT WITH MECHANICAL EQUIPMENT SUBMITTALS.
3. CIRCUIT REPRESENTS THE TYPICAL CLASSROOM LAYOUT AND CIRCUIT. REFER TO E6.0 FOR TYPICAL CLASSROOM POWER AND VOICE/DATA LAYOUT AND CIRCUITING.
4. BATTERY CHARGER. 120V, 1PH
5. BLOCK HEATER. 120, 1PH
6. GENERATOR OUTLET, ALTERNATOR STRIP HEAT
7. (1) 1"C. TO FACP. (1) 1"C. TO GENERATOR ANNUCIATOR.
8. EMERGENCY POWER OFF BUTTON -1"C. FROM EPO TO GENERATOR.
9. FOR CONDENSATE PUMP. COORDINATE EXACT MOUNTING HEIGHT WITH MECHACNICAL CONTRACTOR AND LOCATE NEXT TO THE UNIT.
10. FIRE PUMP AND FIRE PUMP CONTROLLER (RESPECTIVELY). COORDINATE EXAT LOCATION AND CONNECTION POINTS WITH EEQUIPMENT SUBMITTALS. THE FEED FOR THE FIRE PUMP CONTROLLER SHALL BE ROUTED UNDERGROUND FROM BOTH THE GENERATOR AND THE UTILITY CONNECTION. DO NOT RUN UNPROTECTED THROUGH THE BUILDING AT ANY PIONT.
11. FOR CONNECTION TO AUTO DAMPER. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
12. FLOOR BOX SHALL BE PLACED IN THE CENTERED OF THE ROOM. PROVIDE LEGRAND (OR EQUAL) RFB6-OG WITH (2) RFB6DP FOR (2) DUPLEX OUTLETS AND (1) RFB62A FOR (4) DATA CONNECTIONS (1 1/4"C.). PROVIDE FLANGED COVER FPBTCXX AND CONFIRM COLOR FINISH WITH ARCHITECT PRIOR TO ORDERING.



2 IDF COMMUNICATION RACK
1/2" = 1'-0"



KEY PLAN
SCALE: N.T.S.

ALABAMA
LICENSED
No. 51403
PROFESSIONAL
07/26/2024
ENGINEER
DAVID MICHAEL MARTIN

SHEET TITLE:
POWER AND VOICE/DATA - FLOOR PLAN - PART A

PROJ. MGR.:	– AMM
DRAWN:	DB
DATE:	– 07/16/24

REVISIONS

1	7/16/24	Addendum #1
2	7/26/24	Addendum #2

JOB NO. 24-38

SHEET NO:
E3.0