WARD SCOTT MORRIS ARCHITECTURE

ADDENDUM NO. 2:

Date:	February 6, 2026
Project:	Verbena HS Gym DCM# 2025629 WSM# 25-032
Owner:	Chilton County Board of Education
Architect:	Ward Scott Morris Architecture, Inc.
BID DATE:	~~February 10, 2026~~ **February 17, 2026**
BID TIME:	2:00 PM local time:
BID LOCATION:	Chilton County Board of Education, 1705 Lay Dam Road, Clanton, AL

This Addendum forms a part of the Contract Documents and modifies the original Bid Documents as noted below. Acknowledge receipt of this Addendum in the location provided on the Bid Proposal Form.

1.1 SPECIFICATIONS

A. INVITATION TO BIDDERS; **Change the bid date to February 17, 2026**, time and location stay the same.

B. 012100 -ALLOWANCES; Add the following:

1. Allowance No. 13: Retaining Wall
    a. Contingency Allowance: Include a contingency allowance of **$20,000.00** for the purchase and installation of segmented retaining wall block and associated grading at mechanical pad located on east end of gym as instructed by Owner or Architect.

C. 083323 – OVERHEAD COILING DOORS: Add attached specification to project manual.

D. 101419 - DIMENSIONAL LETTER SIGNAGE: Replace attached specification in lieu one issued as part of addendum No.1. All dimensional letters are part of the base bid.

1.2 DRAWINGS

A. S001; delete joist and joist girder notes as indicated on attached drawing.

B. S001; Strip and Strip Footing Schedules; estimated quantities have been deleted.

C. AC01, Extent of fence types clarification. Refer to Addendum No. 1 for extent of mechanical pad fencing.

D. A301; clarification; east wall of gym along column line #8 to receive drywall on gym side similar to 3/A311.

E. P201; Pressure Plan; change scale on both 1 and 2/P201 plans to 1/8” in lieu of ¼”.

F. Electrical Sheets E002, E100, E101, E300, refer to attached addendum 2 on Smith Stegall & Assoc. letterhead and attached drawings.

1.3 ATTACHED TO ADDENDUM

A. Revised Architectural Sheets, AC01

B. Revised Structural Sheets, S001

C. Revised Electrical Sheets, E002, E100, E101, E300

D. Revised Specification Section 083323, 101419

SECTION 083323 - OVERHEAD COILING DOORS [ADDENDUM 2]

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Service doors, interior, uninsulated

B. Related Requirements:
   1. Section 055000 "Metal Fabrications" for miscellaneous steel supports, door-opening framing, corner guards, and bollards.

1.2 ACTION SUBMITTALS

A. Product Data: For each type and size of overhead coiling door and accessory.

B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.
   1. Include points of attachment and their corresponding static and dynamic loads imposed on structure.
   2. Show locations of controls, locking devices detectors or replaceable fusible links, and other accessories.
   3. Include diagrams for power, signal, and control wiring.

C. Samples: For each exposed product and for each color and texture specified.

1.3 INFORMATIONAL SUBMITTALS

A. Sample warranty.

1.4 CLOSEOUT SUBMITTALS

A. Special warranty.

B. Maintenance data.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer for both installation and maintenance of units required for this Project.

1.6 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of doors that fail in materials or workmanship within specified warranty period.
   1. Warranty Period: 2 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Accessibility Standard: Comply with applicable provisions in ICC A117.1.

2.2 DOOR ASSEMBLY

A. Service Door: Overhead coiling door formed with curtain of interlocking metal slats.
   1. Basis-of-Design Product:
      a. Overhead Door Corp., Model 620
         1) F-265i slats, 20 ga. Galvanized
            a) Uninsulated at interior opening
         2) Color: selected from standard colors
         3) Mounting: face of wall type, coordinate with pre-engineered metal bldg vendor to provide structure appropriate for mounting of door hood and tracks.
         4) Operation: Electric Operator, Heavy duty
      b. Approved Equals:
         1) Raynor Garage Door
         2) Cornell Garage Door, LLC

B. Size: See drawings

C. Operation Cycles: Door components and operators capable of operating for not less than 20,000.

D. Bottom Bar: Two angles, each not less than 1-1/2 by 1-1/2 by 1/8 inch (38 by 38 by 3 mm) thick; fabricated from aluminum extrusions and finished to match door. With weatherseal.

E. Curtain Jamb Guides: Galvanized steel with exposed finish matching curtain slats.

F. Hood: Galvanized steel.

1. Mounting: Face of wall.

G. Locking Devices: Equip door with slide bolt for padlock and chain lock keeper.

H. Door Finish:

1. Baked-Enamel or Powder-Coated Finish: Color as selected by Architect from manufacturer's full range.
2. Interior Curtain-Slat Facing: Match finish of exterior curtain-slat face.

2.3 DOOR CURTAIN MATERIALS AND CONSTRUCTION

A. Door Curtains: Fabricate overhead coiling-door curtain of interlocking metal slats, designed to withstand wind loading indicated, in a continuous length for width of door without splices. Unless otherwise indicated, provide slats of thickness and mechanical properties recommended by door manufacturer for performance, size, and type of door indicated.

B. Curtain Jamb Guides: Manufacturer's standard angles or channels and angles of same material and finish as curtain slats unless otherwise indicated, with sufficient depth and strength to retain curtain, to allow curtain to operate smoothly, and to withstand loading. Slot bolt holes for guide adjustment. Provide removable stops on guides to prevent over-travel of curtain.

2.4 HOODS

A. General: Form sheet metal hood to entirely enclose coiled curtain and operating mechanism at opening head. Contour to fit end brackets to which hood is attached. Roll and reinforce top and bottom edges for stiffness. Form closed ends for surface-mounted hoods and fascia for any portion of between-jamb mounting that projects beyond wall face. Equip hood with intermediate support brackets as required to prevent sagging.

2.5 LOCKING DEVICES

A. Slide Bolt: Fabricate with side-locking bolts to engage through slots in tracks for locking by padlock, located on both left and right jamb sides, operable from coil side.

B. Chain Lock Keeper: Suitable for padlock.

2.6 CURTAIN ACCESSORIES

A. Pull-Down Strap: Provide pull-down straps for doors more than 84 inches (2130 mm) high.

2.7 COUNTERBALANCE MECHANISM

A. General: Counterbalance doors by means of manufacturer's standard mechanism with an adjustable-tension, steel helical torsion spring mounted around a steel shaft and contained in a spring barrel connected to top of curtain with barrel rings. Use grease-sealed bearings or self-lubricating graphite bearings for rotating members.

B. Brackets: Manufacturer's standard mounting brackets of either cast iron or cold-rolled steel plate.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install overhead coiling doors and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports; according to manufacturer's written instructions and as specified.

3.2 FIELD QUALITY CONTROL

A. Repair or remove and replace installations where inspections indicate that they do not comply with specified requirements.

B. Reinspect repaired or replaced installations to determine if replaced or repaired door assembly installations comply with specified requirements.

3.3 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain overhead coiling doors.

END OF SECTION 083323

SECTION 101419 - DIMENSIONAL LETTER SIGNAGE (ADDENDUM 2)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY (Addendum #2)

A. Section Includes:

1. Cast dimensional characters for park entry and concessions sign.
2. Illuminated, back-lit, fabricated channel dimensional characters for above trophy case sign.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: For dimensional letter signs.

1. Include fabrication and installation details and attachments to other work.
2. Show sign mounting heights, locations of supplementary supports to be provided by others, and accessories.
3. Show message list, typestyles, graphic elements, and layout for each sign at least half size.

C. Samples for Initial Selection: For each type of sign assembly, exposed component, and exposed finish.

1. Include representative Samples of available typestyles and graphic symbols.

D. Sign Schedule: Use same designations specified or indicated on Drawings or in a sign schedule.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For manufacturer.

B. Sample Warranty: For special warranty.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For signs to include in maintenance manuals.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1.7 FIELD CONDITIONS

A. Field Measurements: Verify locations of electrical service embedded in permanent construction by other installers by field measurements before fabrication, and indicate measurements on Shop Drawings.

1.8 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
   a. Deterioration of finishes beyond normal weathering.
2. Warranty Period: Five (5) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Structural Performance: Signs and supporting elements shall withstand the effects of gravity and other loads within limits and under conditions indicated.

1. Uniform Wind Load: See Structural for project UWL value.

B. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

2.2 DIMENSIONAL CHARACTERS

A. Cast Characters: Characters with uniform faces, sharp corners, and precisely formed lines and profiles, and as follows:
   1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
      a. A.R.K. Ramos.
      b. ACE Sign Systems, Inc.
      c. ASI Sign Systems, Inc.
      d. Cosco.
      e. Gemini Incorporated.
      f. Matthews International Corporation; Bronze Division.
      g. Metal Arts.
      h. Metallic Arts.
      i. Southwell Company (The).
   2. Character Material:
      a. Cast aluminum.
      b. Reverse Channel
   3. Character Height:
      a. 12” high at concession and 24” high at park gate.
      b. Manufacturer's standard for size of character
      c. Width per approved font
   4. Finishes:
      a. Integral Aluminum Finish:
         1) As selected from manufactures standard colors
   5. Mounting:
      a. Concealed studs.
      b. Mounting Panel:
         1) 1” Deep x W x H per drawing dimensions
         2) Color: anodized

B. Illuminated Characters: Backlighted character construction with LED lighting, including transformers, insulators, and other accessories for operability, with provision for servicing and concealing connections to building electrical system. Use tight or sealed joint construction to prevent unintentional light leakage. Space lamps apart from each other and away from character surfaces as needed to illuminate evenly.
      a. Power: 120 V, 60 Hz, 1 phase, 15 A
      b. Weeps: Provide weep holes to drain water at lowest part of exterior characters. Equip weeps with permanent baffles to block light leakage without inhibiting drainage.
   1. Character Material:
      a. Fabricated aluminum
   2. Character Height:
      a. 12” high
      b. Manufacturer's standard for size of character
      c. Width per approved font
   3. Finishes:
      a. Powder- Coat Finish:
         1) Black.
      b. Overcoat:
         1) Manufacturer’s standard clear coating.
   4. Typeface: Font to be selected in submittals.

2.3 DIMENSIONAL CHARACTER MATERIALS

A. Aluminum Castings: ASTM B 26/B 26M, alloy and temper recommended by sign manufacturer for casting process used and for type of use and finish indicated.

B. Paints and Coatings for Sheet Materials: Inks, dyes, and paints that are recommended by manufacturer for optimum adherence to surface and are UV and water resistant for colors and exposure indicated.

2.4 ACCESSORIES

A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signage, noncorrosive and compatible with each material joined, and complying with the following:
   1. Use concealed fasteners and anchors unless indicated to be exposed.
   2. For exterior exposure, furnish nonferrous-metal or hot-dip galvanized devices unless otherwise indicated.
   3. Sign Mounting Fasteners:
      a. Concealed Studs: Concealed (blind), threaded studs welded or brazed to back of sign material, screwed into back of sign assembly, or screwed into tapped lugs cast integrally into back of cast sign material, unless otherwise indicated.

2.5 FABRICATION

A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.
   1. Preassemble signs and assemblies in the shop to greatest extent possible. Disassemble signs and assemblies only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation; apply markings in locations concealed from view after final assembly.
   2. Mill joints to a tight, hairline fit. Form assemblies and joints exposed to weather to resist water penetration and retention.
   3. Comply with AWS for recommended practices in welding and brazing. Provide welds and brazes behind finished surfaces without distorting or discoloring exposed side. Clean exposed welded and brazed connections of flux, and dress exposed and contact surfaces.
   4. Conceal connections if possible; otherwise, locate connections where they are inconspicuous.
   5. Internally brace signs for stability and for securing fasteners.
   6. Provide rebates, lugs, and brackets necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners where possible; use exposed fasteners that match sign finish.
   7. Castings: Fabricate castings free of warp, cracks, blowholes, pits, scale, sand holes, and other defects that impair appearance or strength. Grind, wire brush, sandblast, and buff castings to remove seams, gate marks, casting flash, and other casting marks before finishing.

2.6 GENERAL FINISH REQUIREMENTS

A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.7 ALUMINUM FINISHES

A. Clear Anodic Finish: AAMA 611, Class I, 0.018 mm or thicker or Color Anodic Finish: AAMA 611, Class I, 0.018 mm or thicker.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of signage work.

B. Verify that sign-support surfaces are within tolerances to accommodate signs without gaps or irregularities between backs of signs and support surfaces unless otherwise indicated.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.
   1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
   2. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
   3. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.

B. Mounting Methods:

1. Concealed Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.
    a. Thin or Hollow Surfaces: Place sign in position and flush to surface, install washers and nuts on studs projecting through opposite side of surface, and tighten.

3.3 ADJUSTING AND CLEANING

A. Remove and replace damaged or deformed characters and signs that do not comply with specified requirements. Replace characters with damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.

B. Remove temporary protective coverings and strippable films as signs are installed.

C. On completion of installation, clean exposed surfaces of signs according to manufacturer's written instructions, and touch up minor nicks and abrasions in finish. Maintain signs in a clean condition during construction and protect from damage until acceptance by Owner.

END OF SECTION 101419

GENERAL NOTES

1. Contractor shall compare Structural drawings and Architectural drawings. Any omissions or discrepancies between plans, details, and specifications shall be brought to the attention of the Architect or Engineer before bidding. In all cases, more the more stringent requirement governs. Architectural dimensions and elevations will control.
2. Structural drawings or parts of the structural drawings may not be used as shop drawings without prior written approval.
3. All or parts of these drawings were produced with computer aided drafting. Drawings are available from the Engineer in DWG format on request.
4. Contractor proposed changes to details must be clearly noted on the first sheet of all shop drawings.
5. Construction shown is stable after the building is complete including interior and exterior finishes. The Contractor is responsible for temporary bracing of the structure during construction.
6. Review of submittal information shall be for general compliance with the contract documents and shall not include checking of detailed dimensions or detailed quantities.
7. Shop drawing detailer shall check all Architectural and Mechanical drawings for attachments, clips, openings, or duct work and shall include these items in the shop drawings.
8. Furnish design calculations sealed by a Professional Engineer licensed in the project state for all shoring.
9. Site visits by Engineer of Record are not considered inspections or special inspections, rather are observations for general compliance with contract documents.
10. Electronic submittal of shop drawings is required. Review of submittal information shall be for general conformance with the contract documents and shall not include checking of detailed dimensions or detailed quantities.

DESIGN LOADS

1. Reference code for loading — IBC 2021 & ASCE/SEI 7-16
   - A. Building Classification — III
   - B. Wind Load
     - a. Basic Wind Speed (3 sec gust) — 118 mph
     - b. Wind Exposure — B
     - c. Internal Pressure Coefficient — +/- 0.18
     - d. Velocity Pressure (q_z) — 16.9 psf
     - e. Components & Cladding Pressures — See table and diagram
   - C. Seismic Load
     - a. Importance Factor — 1.25
     - b. Mapped Spectral Response Accelerations
       1. S_S — 0.189
       2. S_1 — 0.082
     - c. Site Class — D
     - d. Spectral Response Coefficients
       1. S_{DS} — 0.201
       2. S_{D1} — 0.130
     - e. Seismic Design Category — B
     - f. Base Seismic-Force-Resisting System(s) and Response Modification Factor
       1. Ordinary Reinforced Masonry Shear Walls — 2
     - g. Seismic Response Coefficient (C_S) — 0.05
     - h. Analysis Procedure = — Equivalent Lateral Force
   - D. Live Load
     - a. Roof — 20 psf
     - b. Slabs on grade — 100 psf
     - c. Slabs on deck — 100 psf
     - d. Stairs and exitways — 100 psf
   - E. Fluid Roof Pressure Load
     - a. Any low-roof area design for secondary drain height of 2" above roof: 5.2 psf/in x 2" = 10.4 psf

FOUNDATIONS

1. Foundation design for this project was based on soils information provided by TTL, Inc. Report **#000250101196.00**, dated **July 25, 2025**.
2. Bearing value of soil: **2500 psf**
3. All footings are to bear on undisturbed soil or on engineered fill as dictated by the geotechnical report.
4. Provide 8'-0" long top steel reinforcing, same size as bottom steel, at transitions between engineered fill and undisturbed soil locations.
5. Install corner bars at all footing intersections and corners (Provide lap length e.w.).
6. Step all footings where necessary to provide a minimum of 1'-0" below the finish grade or 0'-8" below finish floor.
7. All footing elevations are given to the top of the footings.
8. Footing steps shown on the plans are furnished as a guide for estimating quantities. Final elevations are to be set in the field. Bearing elevations must be approved by a Soils Engineer before any concrete is placed.
9. Coordinate foundation elevations with plumbing requirements. Step footings down as required to clear plumbing lines.
10. Slabs on grade should be supported on 4" compacted dense graded base material (ALDOT 825B, #8910, or equivalent), compacted to a minimum of 98% compaction and +/- 3% optimum moisture based on ASTM D698, unless noted otherwise in construction documents or geotechnical report.
11. Provide drainage for all retaining walls; see Architectural for notes and details.

MASONRY

1. All masonry work to be in accordance with *Building Code Requirements and Specification for Masonry Structures* (TMS 402/602-16).
2. Fill all concrete masonry units with concrete or grout from the top of the footing to the finish floor or to 8" above finish grade, whichever is higher.
3. Use truss type joint reinforcement (BLOK-LOK BL-3A or better) at 16" o.c. in all cavity walls where brick is used for one or more of the wythes.
4. Use truss type joint reinforcement (DUR-O-WAL SW DA3100 or better) at 16" o.c. in all other masonry walls.
5. Provide joint reinforcement at 8" o/c. for all walls constructed with stack bond.
6. Use Type "M" or "S" mortar in accordance with IBC Table 2103.2.1, unless noted or approved otherwise.
7. Minimum compressive strength of concrete masonry f'_m = 2000 psi in accordance with the unit strength method and TMS 402/602-16. Submit for review test data on strength of units before starting any masonry work.
8. Minimum compressive strength of grout f'_c = 2000 psi. Use 3/8" max size aggregate. See Special Inspection Schedule for any testing requirements. Grout slump shall be 8" to 11".
9. Use "Fine" grout for all reinforced piers and reinforced wall in accordance with ASTM C476.
10. Each grout lift shall not exceed 5'-0" unless cleanouts are provided in the bottom course.
11. Fill cells under all lintels with grout.
12. Provide lintels over all openings through wall. See lintel details for reinforcement.
13. Unless noted otherwise, provide control joints in all walls 4'-0" from wall intersections or corners and at 20'-0" o.c.
14. Provide continuous bond beam at top of wall and at 8'-0" o.c. vertical spacing. Coordinate w/ openings, TYP.
15. Extend all horizontal steel and bond beams through control joints.
16. Vertical reinforcement shall extend into the bond beam and terminate with an ACI standard 90° degree hook.
17. Rebar positioners to be coordinated during submittals and used unless approved otherwise.
18. Unless noted otherwise, all vertical bars are to be located at the center of cell. Where bars are specified at each face, provide 3/4" clear space between reinforcement and CMU face shell.
19. Anchor bolt into grouted cell locations only, unless noted otherwise.
20. Perimeter CMU walls shall be reinforced with minimum #5 bars in fully grouted cells @ 2'-8" o.c. Provide Bond Beam at top of wall and at 8'-0" o.c. Brace top of wall to roof structure with rigid bracing @ 8'-0" o.c.. Alternate each direction.
21. Non Load Bearing Interior CMU walls shall be reinforced with minimum #4 bars in fully grouted cells @ 4'-0" o.c. Provide Bond Beam at top of wall. Brace top of wall to roof structure with rigid bracing @ 8'-0" o.c.. Alternate each direction.
22. Anchor all steel columns to CMU walls @ 24" o.c. vertically into reinforced cell. See typical detail.

METAL BUILDING

1. Metal building manufacturer shall be a member of the Metal Building Manufacturer's Association (MBMA) and be accredited according to the Inspections Program for Manufacturers of Metal Building Systems (AC472).
2. Reference Design Loads for Live, Wind, Snow, and Seismic loads on PEMB.
3. Building design shall include an allowance of global 5 psf superimposed dead load on the roof structure for adequate frame design for the miscellaneous interior suspension of ceilings, mechanical ducts, sprinklers, lights, speakers, etc… (Contractor is responsible to refer to Arch, Mechanical, & Electrical for bracing of interior non-loadbearing stud walls, suspended duct trunks, sprinkler piping, speaker clusters, etc… and coordinate their location with the the PEMB engineer so the layout and bracing of the affected roof purlins can be designed, stiffened, braced, and detailed appropriately.)
4. PEMB designer to also independently design for heavy concentrated loads such as basketball goals. Coordinate with Arch and other disciplines.
5. Maximum displacements based on building code service loads shown below (10 year recurrence interval is allowed for deflection checks only):
   - A. Spandrels backing up masonry — L/400
   - B. Frames — H/360
   - C. Girts — L/240
   - D. Roof framing deflection limit — L/240
6. Structural foundation design based on bearing pressure provided in geotechnical report. Owner will be responsible for the cost incurred in foundation changes due to unforeseen soil conditions or bearing pressure issues.
7. All structural design of foundations is based on an assumed metal building with pin-based columns.
8. Plans shall be reviewed and adjusted to correspond to the building manufacturer's requirements. Contractor will be responsible for the cost incurred in foundation changes due to change in final PEMB detailing and/or loading, via allowances and unit prices.
9. Building Manufacturer to submit complete design calculations for review before fabrication of any components.
10. Metal building and metal building components are not part of the design contract. Barnett/Jones/Wilson, LLC has no control or responsibility for the metal building and therefore should not be considered to be the Structural Engineer of Record for the metal building elements.

REINFORCING STEEL AND CONCRETE

1. All concrete work is to be in accordance with the *Building Code Requirements for Structural Concrete* (ACI 318-19).
2. All detailing work is to be in accordance with the *ACI Detailing Manual* (MNL-66(20)).
3. Use of calcium chloride, chloride ions, or other salts in concrete are prohibited.
4. Concrete Properties: See schedule
   - A. All concrete must obtain 7 day strength of 70% of design strength.
   - B. Concrete mixes may replace cement with other cementitious materials; submit these for approval.
   - C. Combined weight of all replacement cementitious materials may not exceed 25% of the total cementitious weight.
   - D. Concrete mixes may use water reducers, accelerators, or retarders with prior approval.
   - E. Do not provide air entrainment in concrete mixes for interior slabs.
5. All steel reinforcement shall be of deformed bars of billet steel conforming to ASTM A615, Grade 60 in all concrete.
6. Welded wire fabric (WWF) shall be ASTM A185 and shall lap (2) cross wires or 6", whichever is greater on all sides. All laps shall be wired together.
7. Provide (2) #4 bars x 4'-0" at re-entrant corner locations TYP. Locate 3" away from corner and space 0'-6" apart.
8. All slabs on grade are 4" unless noted otherwise. Slabs are to be placed on 10 Mil, PVC vapor barrier over 4" of porous fill. Reinforce slabs with 6x6 W1.4xW1.4 WWF placed 1" from top of slab. Unless noted otherwise, slabs shall have joints placed at a maximum of 10'-0" o.c.. The aspect ratio of the joint layout should not exceed 1.5:1. Joints may be control joints or construction joints. See Architectural Plans for floor slopes and recesses for hard tile.
9. Minimum concrete cover for reinforcement:
   - A. Columns — 1 1/2" outside of ties
   - B. Footings — 3" bottom & sides, 2" top
   - C. Slabs on grade — 3/4"
   - D. Slabs on deck — 3/4"
   - E. Grade Beams, Cast-In-Place Walls, & Column Piers
     - a. Surfaces exposed to weather or soil — 2" - #6 and greater, 1-1/2" - #5 and smaller
     - b. Surfaces cast directly against grade — 3"
     - c. Other surfaces — 3/4"
10. Provide corner bars at all wall and footing intersections.
11. Contractor shall include an allowance of **2.0 tons of reinforcing steel and 50 cubic yards of concrete in place &** in addition to the steel & concrete shown on the contract documents in the base bid. This material is to be acquired, detailed, fabricated, and placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused materials will be credited to the Owner.
12. No openings shall be allowed to penetrate any concrete work, unless it is shown on the structural framing plans, without prior written approval. Contractor shall submit for review locations of proposed openings not shown 30 days prior to pouring any concrete.
13. When joints in beams, slabs, and joists shall be located in the center one-third of the span. Contractor shall submit for review locations of proposed openings not shown 30 days prior to pouring any concrete.
14. Provide a continuous water bar at all wall construction joints below ground level.
15. Use 3/4" chamfer for all exposed corners unless noted otherwise.
16. Mechanical openings through the floor have not been shown on the Structural drawings. See Mechanical plans for size and location of openings. Reinforcing at opening will be coordinated at time of placement.
17. Contractor to provide PEMB reactions for footing verification before reinforcing steel shop drawings are submitted.

STRUCTURAL STEEL

1. All structural steel work to be in accordance with the *Specification for Structural Steel Buildings* (ANSI/AISC 360-16) and the *Structural Welding Code - Steel* (AWS D1.1).
2. All seismic force-resisting systems work to be in accordance with the *Seismic Provisions for Structural Steel Buildings* (ANSI/AISC 341-16).
3. Fabricator shall be AISC Certified or shall pay for Special Inspections on Shop Fabricated items.
4. All reactions shown are ASD loads.
5. All connections are to be detailed as Type 2 "simple frame connections," unless noted otherwise.
6. All structural steel W shapes shall be ASTM A992.
7. All structural steel Tube sections shall be ASTM A500 Grade C.
8. All structural steel Pipe sections shall be ASTM A53 Grade B.
9. All structural steel channels, angles and other sections shall be ASTM A36, unless noted otherwise.
10. Headed Studs shall be Type B Shear Connectors.
11. Shop and field connections shall be welded with E70XX electrodes or bolted with 3/4" dia. A325-N or A325-X bolts, unless noted otherwise.
12. Connection schedules are based on snug tight bolts. Do not use slip-critical or tension-controlled bolts unless noted otherwise.
13. Use 3/4" cap and bearing plates, unless noted otherwise.
14. Use 3/4" dia x 1'-0" long ASTM F1554 Grade 36 anchor bolts, unless noted otherwise. In lieu of cast bolts, 3/4"x1'-0" long HAS rods epoxied with Hilti HVA epoxy, or equal, may be used with prior approval.
15. If anchor rods are installed without quite enough projection, contractor may submit elongated Elocone nuts for approval as a potential means to correct the issue.
16. Grout under baseplates with ASTM C1107 6000 psi Non-Shrink Grout. For 3/4" dia. anchored baseplates, use 1.5" grout. For 1" dia. anchored baseplates, use 2" grout. Coordinate top of pier/footing elevations to accomodate grout thickness required.
17. Provide L3x3x1/4 frames around all roof openings through metal decking.
18. Provide L3x3x1/4 continuous perimeter deck angle around all deck, unless noted otherwise.
19. Where floor or roof decking changes direction, on top of support framing provide L2-1/2x2-1/2x3/16 continuously for 2-1/2" seats or C5x6.7 continuously for 5" seats.
20. Provide design calculations for connections other than standard frame or seat connections.
21. Structural steel shall be shop primed per SSPC-SP 7 / NACE No. 4. Primer shall be SSPC paint with a minimum thickness of 2.0 mils. Omit paint at surfaces to be fireproofed.
22. If steel sizes do not meet specified U.L. listing (See Arch), thickness of fire protections shall be increased as required.
23. All steel exposed to weather, and/or specified in bid documents to be galvanized, shall be hot dipped galvanized per ASTM A123. (Galvanizing to adhere to 690 coating thickness.)
24. All steel exposed to earth shall receive bitumen coating.
25. Contractor shall include an allowance of **1.5 tons of structural steel in place** in addition to the steel shown on the contract documents in the base bid. This material is to be acquired, detailed, fabricated, and placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused materials will be credited to the Owner.
26. Contractor shall include an allowance of **300 lineal feet of L3x3x1/4 angle in place** in addition to the steel shown on the contract documents in the base bid. This material is to be acquired, detailed, fabricated, and placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused materials will be credited to the Owner.
27. Stairs, handrails, guardrails, and other miscellaneous steel items not specifically detailed on these drawings are the responsibility of the Contractor.
28. Contractor must furnish design calculations sealed by a Professional Engineer for stair and handrail designs.

DELEGATED DESIGN - ALUMINUM AWNINGS/CANOPIES

1. Reference Architectural drawings for layout, location, size, configuration, etc. for all awnings and canopies.
2. Contractor to provide blocking details at frame and tie rod connection points and then field locate blocking based on connection points shown in awning shop drawing submittal.
3. Provide shop drawings showing: product data, cut sheets, structural properties, plan views, section views, and detail views.
4. Contractor to provide calculations for all members and connections. Calculations to be signed and sealed by a Professional Engineer licensed in the State of the Project.

DELEGATED DESIGN - STAIRS, LADDERS, HANDRAILS, AND GUARDRAILS

1. Design Loads for design of stairs, ladders, handrails, and guardrails.
   - A. Handrails/Guardrails
     - a. 200 lb force applied in any direction at any point on handrail or top rail
     - b. 50 plf force applied in any direction at any point on handrail or top rail
     - c. 50 psf force on intermediate rails, openings, and space between rails
   - B. Ladders
     - a. 300 lb force applied in any direction at any point, with a minimum of (1) 300 lb force every 10 ft of ladder height
     - b. 100 lb force in any direction at any height at each side rail extension
     - c. Ships ladders with treads to be designed for same loads as Stairs
   - C. Grab Bars
     - a. 250 lb force applied in any direction at any point on grab bar
2. Provide shop drawings showing: product data, cut sheets, structural properties, plan views, section views, and detail views.
3. Provide calculations for all members, connections of members to members, and connections of members to primary structure. Calculations to be signed and sealed by a Professional Engineer licensed in the State of the Project.

METAL STUDS (STRUCTURAL)

1. All cold-formed steel work to be in accordance with *North American Specification for the Design of Cold-Formed Steel Structural Members* (AISI S100-16(2020)) and the *North American Standard for Cold-Formed Steel Structural Framing* (AISI S240-20).
2. All studs, joists, tracks, bridging, and accessories shall be a minimum of 60D galvanized and have minimum yield strength of 33ksi, unless noted otherwise.
3. Top and bottom tracks to be same gauge as studs unless noted otherwise.
4. Provide double studs at all wall intersections, jambs, corners, and intersections.
5. At all openings in walls, provide additional studs each side of opening to replace members cut at the opening.
6. Provide (2) 8"x14ga headers at all openings, unless noted otherwise on structural drawings.
7. Provide blocking or strapping at a maximum of 4'-0" - see typical detail.
8. All wall studs to have full bearing at top and bottom of stud.
9. Limit deflection of studs supporting brick to H/600.
10. Use a minimum of 18 gauge for studs used with brick anchors.
11. Limit deflection of all studs not supporting brick to H/360.
12. Limit roof truss live load deflections to L/360.
13. Provide minimum of 6"x18ga structural stud top and bottom chord for all truss members.
14. Truss supplier will provide anchorage hardware unless noted otherwise on structural drawings.
15. Align roof trusses with stud wall framing or provide double 2x wood nailer on top of track; attach with #10 screws at 8" o.c.
16. Attach roof deck to trusses with #10 screws at 12" o.c.
17. Furnish design calculations sealed by a Professional Engineer licensed in the project state for all truss members.
18. Unless noted otherwise, all steel stud information should be considered to be schematic. Final design is to be provided by the stud supplier. Provide shop drawings and design calculations sealed by a Professional Engineer licensed in the project state for all members.
19. The minimum sizes, spacing, gauges, connections, details, and other information required to construct the load-bearing metal stud framing are shown on the contract documents. Unless otherwise indicated, all cold-formed metal stud information should be considered schematic in nature. Final design is to be provided by the contractor's stud supplier.
20. Provide shop drawings and design calculations sealed by a Professional Engineer licensed in the project state for all members. These are to include the proposed load-bearing metal stud manufacturer's product data, cut sheets, structural properties, recommended construction details, and details for all members and connections. Shop drawings are required to be reviewed by the design team prior to fabrication and installation of load-bearing metal stud framing.
21. The contractor has the option to propose alternative framing methods or components. The contractor shall submit shop drawings and calculations on the proposed alternative framing system for review by the Architect and Engineer. All design calculations for the alternative framing methods or components shall be sealed by a Professional Engineer licensed in the state of the project. The Professional Engineer shall provide a signed statement signifying they have reviewed the stud framing shop drawings for the alternative framing system and that the drawings conform to their calculations. The proposed alternate framing system shall be designed for the loads indicated below.

WOOD (STRUCTURAL)

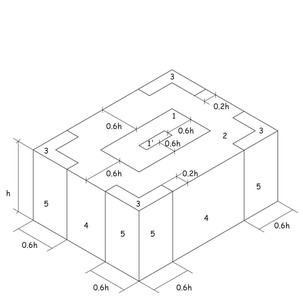
1. All floor framing shall be #2KD Southern Yellow Pine (SYP) or approved equal.
2. All vertical framing shall be Spruce-Pine-Fir (SPF), #2.
3. All wood exposed to weather or in contact w/ CMU or concrete shall be pressure-treated in accordance w/ American Wood Preserves Association Manual of Recommended Practice.
4. All fasteners and nails in contact w/ pressure-treated lumber to be stainless steel Type 304. Submit all alternates for approval.
5. Provide minimum of 2"x6" top and bottom chord for all truss members.
6. Furnish design calculations sealed by a Professional Engineer licensed in the project state for all truss members.
7. All truss-truss and truss-wall connections by Truss Supplier/Designer. See notes, plans, sections, and Arch, TYP.
8. See Arch for roof profile, slope, insulation, roofing material above decking, glashing, gutters, overhangs, soffits, fascia, downspout, etc. TYP.
9. Pre-engineered wood roof trusses @ 24" o.c. max unless noted otherwise. See plan for layout and see Arch for details.
10. Provide (4) studs at all beam and girder truss bearing locations.
11. Roof decking shall be 5/8" APA-rated sheathing, Exposure 1 w/ 32/16 span rating. Provide plyclips at all roof sheathing connections, unless noted otherwise.
12. Roof sheathing shall be nailed w/ 8d ring shank nails at 6" o.c.
13. All bolts connecting horizontal sill plates to concrete, masonry, or steel shall have minimum 0.229"x3"x3" flat washers.

EPOXY AND MECHANICAL ANCHORS

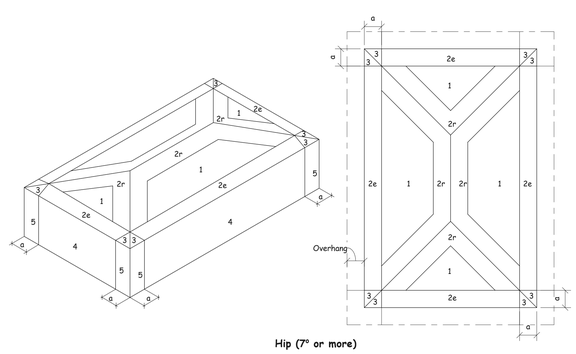
1. All anchors shall be installed per Manufacturer's Printed Installation Instructions (MPII).
2. Contractor must get pre-approval from Engineer of Record before using post-installed adhesive or mechanical anchors not detailed or specified in these drawings. All post-installed anchors must have an evaluation report showing code compliance with the intended application.
3. Adhesive anchors into concrete to be Simpson SET-3G or approved equal. Adhesive anchors into masonry to be Simpson SET-XP. Typical Embedment shall be 12 x dia. Design bond strength has been based on cracked concrete, ACI 355.4 Temperature Category B and installations into dry holes drilled into concrete that has cured for at least 21 days using a drill bit and technique that is qualified by the manufacturer.
4. All mechanical anchors to be Simpson TITEN HD Screw Anchors or approved equal. Typical Embedment shall be 8 x dia.
5. All Powder Actuated Fasteners (PAF) to be 0.157 Simpson PDPA pins w/ 1 1/4" minimum embedment into concrete or masonry. For installations into steel, PAF shall completely penetrate steel thickness.

TESTING

1. All testing is to be completed under the supervision of the Structural Engineer.
2. The Owner will provide testing and special inspection under a separate contract. See the project specifications for schedule of special inspections.



Flat/Hip/Gable (7° or less)



Hip (7° or more)

Components & Cladding Wind Loads - Hip Roofs (7° - 20°)

	Zone 1m (+)	Zone 1m (-)	Zone 1g (+)	Zone 1g (-)	Zone 2em (+)	Zone 2em (-)	Zone 2eg (+)	Zone 2eg (-)	Zone 2r (+)	Zone 2r (-)	Zone 3 (+)	Zone 3 (-)	Zone 4 (+)	Zone 4 (-)	Zone 5 (+)	Zone 5 (-)
10 SF	14.8 psf	-24.9 psf	14.8 psf	-24.9 psf	14.8 psf	-33.4 psf	14.8 psf	-33.4 psf	12.1 psf	-43.5 psf	12.1 psf	-33.4 psf	18.2 psf	-19.7 psf	18.2 psf	-24.3 psf
20 SF	12.8 psf	-24.9 psf	12.8 psf	-24.9 psf	12.8 psf	-30.6 psf	12.8 psf	-30.6 psf	10.9 psf	-39.2 psf	10.9 psf	-30.6 psf	17.4 psf	-18.9 psf	17.4 psf	-22.7 psf
50 SF	10.1 psf	-22.1 psf	10.1 psf	-22.1 psf	10.1 psf	-27.0 psf	10.1 psf	-27.0 psf	9.3 psf	-33.5 psf	9.3 psf	-27.0 psf	16.3 psf	-17.8 psf	16.3 psf	-20.5 psf
100 SF	8.1 psf	-19.9 psf	8.1 psf	-19.9 psf	8.1 psf	-24.3 psf	8.1 psf	-24.3 psf	8.1 psf	-29.2 psf	8.1 psf	-24.3 psf	15.5 psf	-17.0 psf	15.5 psf	-18.9 psf
500 SF	8.1 psf	-19.9 psf	8.1 psf	-19.9 psf	8.1 psf	-21.6 psf	8.1 psf	-21.6 psf	8.1 psf	-24.9 psf	8.1 psf	-21.6 psf	13.7 psf	-15.2 psf	13.7 psf	-15.2 psf

Components & Cladding Wind Loads - Flat/Gable Roofs less than 7°

Area	Zone 1 (+)	Zone 1 (-)	Zone 1' (+)	Zone 1' (-)	Zone 2 (+)	Zone 2 (-)	Zone 3 (+)	Zone 3 (-)	Zone 4 (+)	Zone 4 (-)	Zone 5 (+)	Zone 5 (-)
10 SF	9.9 psf	-38.9 psf	9.9 psf	-22.4 psf	9.9 psf	-51.3 psf	9.9 psf	-70.0 psf	22.4 psf	-24.2 psf	22.4 psf	-29.8 psf
20 SF	9.3 psf	-36.3 psf	9.3 psf	-22.4 psf	9.3 psf	-48.0 psf	9.3 psf	-63.4 psf	21.4 psf	-23.2 psf	21.4 psf	-27.8 psf
50 SF	8.5 psf	-33.0 psf	8.5 psf	-22.4 psf	8.5 psf	-43.7 psf	8.5 psf	-54.6 psf	20.1 psf	-21.9 psf	20.1 psf	-25.2 psf
100 SF	7.9 psf	-30.4 psf	7.9 psf	-22.4 psf	7.9 psf	-40.4 psf	7.9 psf	-48.0 psf	19.1 psf	-20.9 psf	19.1 psf	-23.2 psf
500 SF	7.9 psf	-24.4 psf	7.9 psf	-15.1 psf	7.9 psf	-32.7 psf	7.9 psf	-32.7 psf	16.8 psf	-18.6 psf	16.8 psf	-18.6 psf

STRIP FOOTING SCHEDULE

Type	Width	Thickness	Reinforcing
W24	2' - 0"	1' - 0"	(3)#4 bars cont w/ #4 bars @ 12" o.c. Short
W28	2' - 4"	1' - 0"	(4)#4 bars cont w/ #4 bars @ 12" o.c. Short
W36	3' - 0"	1' - 0"	(4)#4 bars cont w/ #4 bars @ 10" o.c. Short
W54	4' - 6"	1' - 0"	(6)#5 bars cont t&b w/ #5 bars @ 10" o.c. Short t&b

SPREAD FOOTING SCHEDULE

Mark	Width	Length	Thickness	Reinforcing
F36	3' - 0"	3' - 0"	1' - 0"	(4) #4 bars e.w. t&b
F60	5' - 0"	5' - 0"	1' - 0"	(5) #5 bars e.w.
F72	6' - 0"	6' - 0"	1' - 2"	(7) #5 bars e.w.
F72x24	6' - 0"	6' - 0"	2' - 0"	(7) #5 bars e.w. t&b
F84	7' - 0"	7' - 0"	1' - 5"	(6) #6 bars e.w.
F84x24	7' - 0"	7' - 0"	2' - 0"	(6) #6 bars e.w. t&b

CONCRETE SCHEDULE

Concrete Use	Design Strength	Max W/C Ratio	Slump Limits	Entrained Air Range	Weight	Notes
Columns	4000 psi	n/a	6" to 8"	3% to 5%	150 pcf	Use HRWR
Exterior Slabs on Grade & Grade Beams	4000 psi	n/a	6" to 8"	3% to 5%	150 pcf	Use HRWR
Footings	3000 psi	n/a	3" to 5"	3% to 5%	150 pcf	-
Interior Polished Slabs on Grade	4000 psi	n/a	6" to 8"	no air	150 pcf	Use HRWR & limit shrinkage to 0.03%
Interior Slabs on Grade	4000 psi	n/a	6" to 8"	no air	150 pcf	Use HRWR
Retaining Walls	4000 psi	n/a	6" to 8"	3% to 5%	150 pcf	Use HRWR

Schedule Notes:

1. Schedules are to be used as a guide for estimating only and should not be exclusively for takeoffs and bidding.
2. Schedules reflect major uses of materials, but do not necessarily contain all aspects of the project.
3. Refer to plans, sections, elevations, notes, details, and all other portions of the project documents for all items not scheduled.

BJW STRUCTURAL ENGINEERS
BARNETT JONES WILSON, LLC ● PELL CITY ● TUSCALOOSA ● CHATTANOOGA ● WWW.STRUCT-ENGR.COM

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CHILTON CO. VERBENA HS GYM
CHILTON COUNTY BOARD OF EDUCATION
202 COUNTY ROAD 510, VERBENA, AL 36091

ALABAMA LICENSED PROFESSIONAL ENGINEER
2-06-2026
No. 33979
Michael Joshua Dixon
MICHAEL JOSHUA DIXON

BID DOCUMENTS

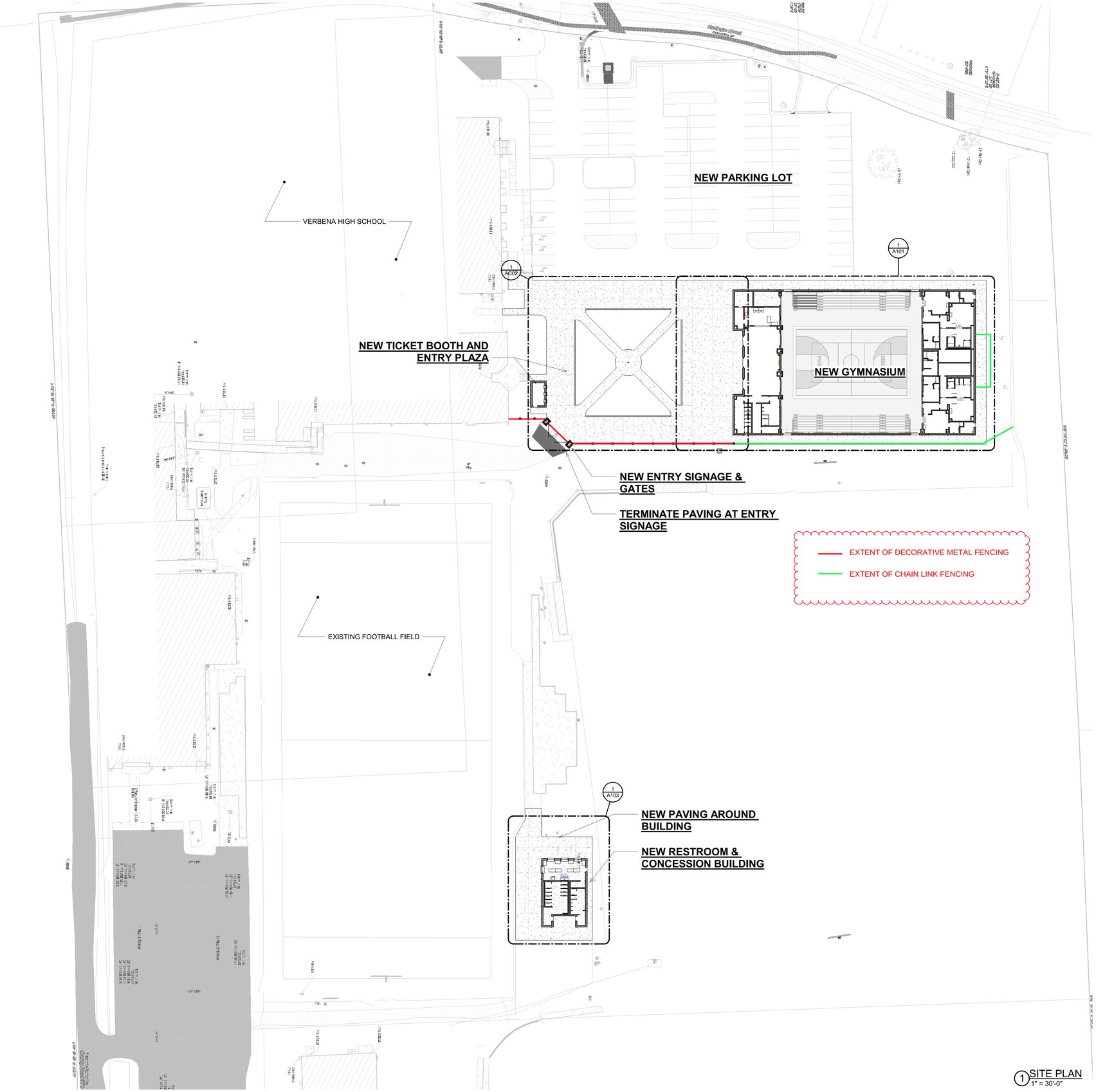
DATE: 1-08-26
PROJ NO: 25-032

REVISIONS

#	DESC	DATE
1	ADD 1	2-02-26
2	ADD 2	2-06-26

GENERAL NOTES

S001



1 SITE PLAN
1" = 30'-0"

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STATE OF ALABAMA
JORDAN C MORRIS
7084
REGISTERED ARCHITECT

BID DOCUMENTS

DATE: 01/08/26
PROJ NO: 25-032

REVISIONS

#	DESC	DATE
1	ADD 002	2/6/26

ARCHITECTURAL SITE PLAN

AC01

1/20/2026 8:03:20 AM

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ADDENDUM No. 2

Smith, Steqall & associates p.c.
♦
Consulting Engineers
♦
2110 Eighth Street, Tuscaloosa, AL 35401
♦
Phone/ Fax 205 345 4402

PROJECT: **Verbena HS Gym**	ENG #2559 ARCH #25-032 DCM #2025629	DATE: **February 5, 2026**

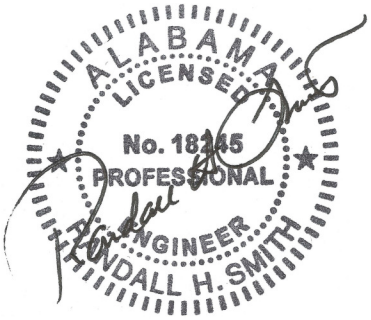
Electrical:

1. **Sheet E002:** See attached sheet for clouded revisions
2. **Sheet E100, Site Electrical Plan**: See attached sheet for clouded revisions
3. **Sheet E101, Gymnasium – Power Wiring Plan, Storage 1105:** See attached sheet. Power added to overhead door.
4. **Sheet E300:**
    a. **General Auxiliary Notes:** See attached sheet. Notes regarding BDA system bid procedures modified to match specification sections 012200 (Unit Prices) and 012100 (Allowances)
    b. **Auxiliary Riser Diagram:** See attached sheet. Fiber type revised from OM1 to OM3. Fiber from existing building now shown to be plenum rated.

END OF ADDENDUM

Attachment(s):

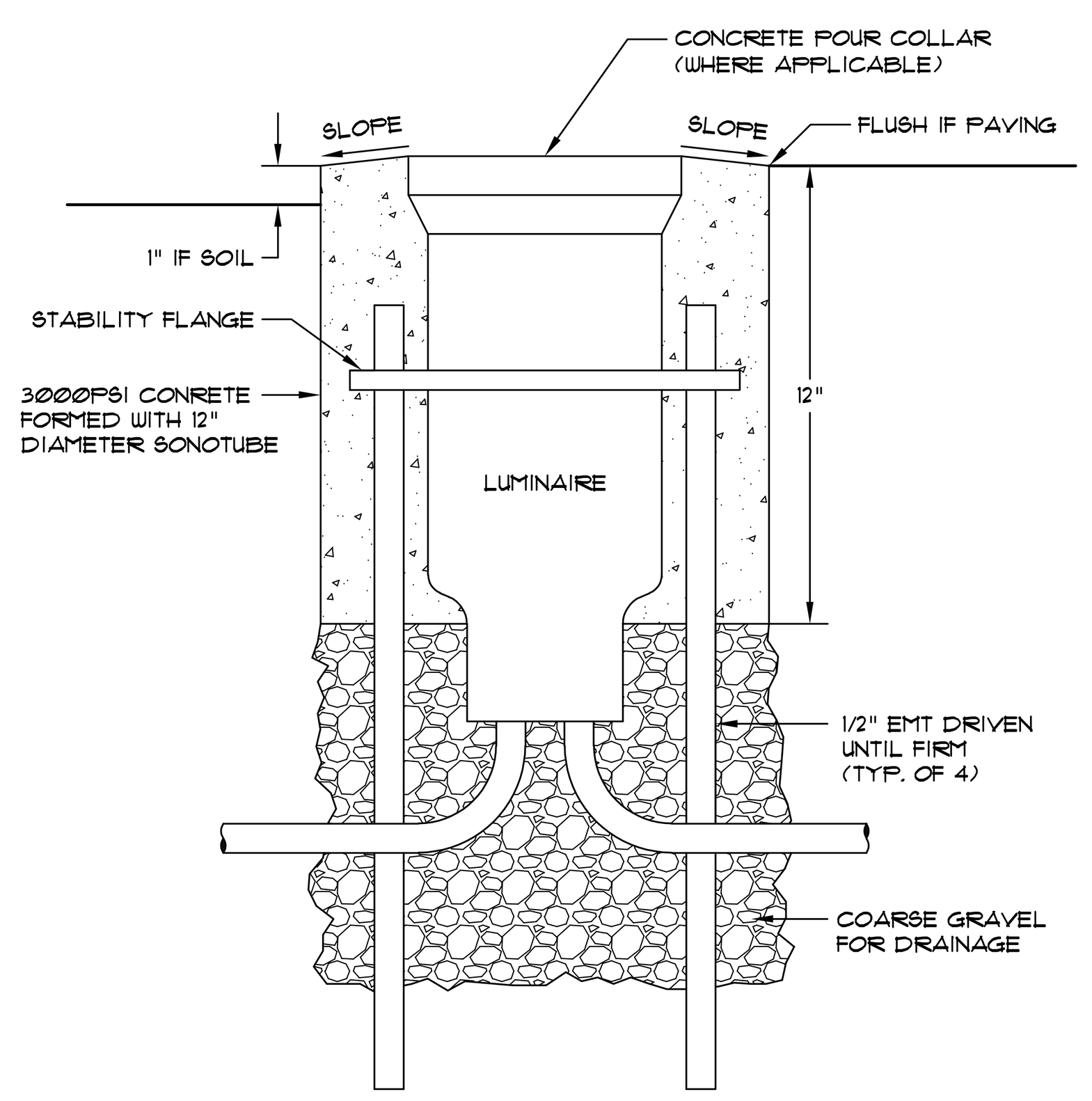
1. Electrical Sheets (4): E002, E100, E101, E300



02/05/26

DIRECTORY	VA LOAD		CKT NO.	BRKR	BRKR	CKT NO.	VA LOAD		DIRECTORY
	L1	L2					L1	L2	
LIGHTING	60		1	20/1	20/1	2	1040		EXTERIOR LIGHTING / PHOTOCELL
RECEPTACLE		360	3	20/1		4			PROVISION
ENTRY SIGNAGE	500		5	20/1		6			PROVISION
SPARE			7	20/1		8			PROVISION
PROVISION			9		20/2	10	1,500		PTAC
PROVISION			11			12		1,500	
SUBTOTALS	560	360					2540	1500	SUBTOTALS
VOLTAGE:120/240V, 1PH			AMPACITY: 50A		TOTAL VA, LINE 1		3100	Panel ID	T
MAIN: MAIN BREAKER, BOTTOM					TOTAL VA, LINE 2		1860		
MOUNTING: SURFACE					TOTAL VA		4960	LOC	TICKET BOOTH
NOTES: LOAD CENTER, 10K AIC									

7 PANEL T SCHEDULE
NO SCALE

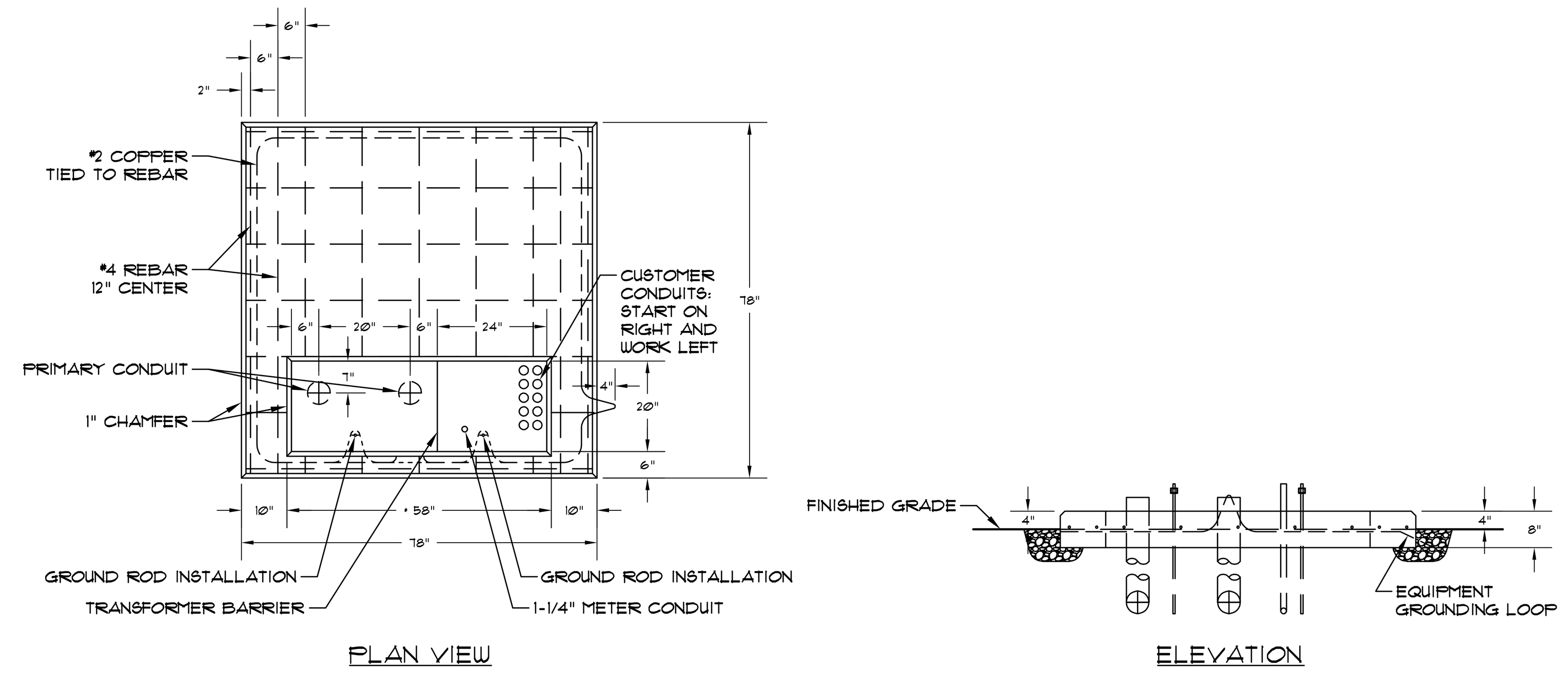


6 LUMINAIRE 'Z' MOUNTING DETAIL
NOT TO SCALE

SYMBOL	MANUFACTURER	CATALOG NUMBER	WATTS	MOUNTING	REMARKS	ALTERNATES
A	CURRENT LIGHTING	SAV-MM-35-8-SB22-CDL-U-**-WG23A	177	CEILING PENDANT	1	PARKER, LITHONIA
B	CGF DESIGN	LDG-D-PGC-24-LED20-CT4-UNV-**-BLD/50	20	SURFACE WALL	1,3	ECLIPSE, ADVANTAGE
C(E)	LITELINE LIGHTING	GEN04-1C-35-M-HW-S-(N OR (E))-X-N-1	19	RECESSED CEILING	(2)	PRESCO-LITE, JUNO
D	LITELINE LIGHTING	DL4-12W-W-3500K	12	SURFACE WALL		PRESCO-LITE, JUNO
E	MULE LIGHTING	MERU-LED-ACEM-**	-	SURFACE WALL	1,2,5	EMERGI-LITE, DUAL-LITE
F2L	LITELINE LIGHTING	LEDP-22-WH-C-35-2-2	20	RECESSED CEILING		PRESCO-LITE, JUNO
F2(E)	LITELINE LIGHTING	LEDP-22-WH-C-35-3-2(-EM)	30	RECESSED CEILING	(2)	PRESCO-LITE, JUNO
F4L(E)	LITELINE LIGHTING	LEDP-24-WH-C-35-3-2(-EM)	30	RECESSED CEILING	(2)	PRESCO-LITE, JUNO
F4(E)	LITELINE LIGHTING	LEDP-24-WH-C-35-4-2(-EM)	40	RECESSED CEILING	(2)	PRESCO-LITE, JUNO
G	CGF DESIGN	LDG-D-PGC-24-LED30-CT4-UNV-**BLD/50	30	SURFACE WALL	1,3	ECLIPSE, ADVANTAGE
H(E)	CGF DESIGN	E74-N-SM-LED30-CT4-UNV-WHT(-EM10W)	30	SURFACE CEILING	(2)	ECLIPSE, ADVANTAGE
HH(E)	CGF DESIGN	E74-N-SM-LED30-CT4-UNV-WHT(-EM10W)	40	SURFACE CEILING	(2)	ECLIPSE, ADVANTAGE
ML	VARI-LITE	VL800 EVENT PROFILE	350	SURFACE CEILING	6	SUBMIT FOR APPROVAL
N2	LITE CONTROL	2L-P-D-2'-DRP-**-35K9-D030-D01-1C-UNV-FA1	6	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
N4	LITE CONTROL	2L-P-D-4'-DRP-**-35K9-D030-D01-1C-UNV-FA1	12	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
N5	LITE CONTROL	2L-P-D-5'-DRP-**-35K9-D030-D01-1C-UNV-FA1	14	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
N7	LITE CONTROL	2L-P-D-7'-DRP-**-35K9-D030-D01-1C-UNV-FA1	20	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
N9	LITE CONTROL	2L-P-D-9'-DRP-**-35K9-D030-D01-1C-UNV-FA1	26	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
N10	LITE CONTROL	2L-P-D-10'-DRP-**-35K9-D030-D01-1C-UNV-FA1	28	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
P3	BEACON LIGHTING	VP-ST-1-36L-39-4K7-3-UNV-ASQU-SCP40	39	POLE	1,3,8	LSI LIGHTING, HYDREL
P4	BEACON LIGHTING	VP-ST-1-36L-39-4K7-4F-UNV-ASQU-SCP40	39	POLE	1,3,8	LSI LIGHTING, HYDREL
P5	BEACON LIGHTING	VP-ST-1-36L-55-4K7-4F-UNV-ASQU-SCP40	55	POLE	1,3,8	LSI LIGHTING, HYDREL
S4(E)	LSI LIGHTING	SDL4-LED-30L-FL-UNV-DIM1-35-80CRI(-EM10)	24	CEILING SUSPENDED	(2)	LITHONIA, HUBBELL
S2	LSI LIGHTING	SDL2-LED-15L-FL-UNV-DIM1-35-80CRI	13	SURFACE CEILING		LITHONIA, HUBBELL
SL	VARI-LITE	VL1200 AURORA STRIP	321	SURFACE CEILING	6	SUBMIT FOR APPROVAL
T	LSI LIGHTING	OPS-PT-5L-5Q-UNV-40K8-**-IMSBTIL-764420CLR	32	POST TOP	1,4,7	BEACON, SELUX
TF	KIM LIGHTING	KFL1-16L40-4K7-M-UNV-K-**-HS-SPM(*)	40	SIDE OF POLE	1, 9	LSI, HYDREL
V	WAC LIGHTING	WS-75328-3500K-**	24	SURFACE WALL	1	SUBMIT FOR APPROVAL
W3	BEACON LIGHTING	VPW-ST-1-24L-25-4K7-3-UNV	25	SURFACE WALL	1	LSI LIGHTING, HYDREL
W4L	BEACON LIGHTING	VPW-ST-1-24L-10-4K7-4F-UNV	10	SURFACE WALL	1	LSI LIGHTING, HYDREL
W4	BEACON LIGHTING	VPW-ST-1-48L-35-4K7-4F-UNV	35	SURFACE WALL	1	LSI LIGHTING, HYDREL
XG	MULE LIGHTING	WLPCX-R-U-W-U-SD	3	SURFACE WALL	2,4	EMERGI-LITE, DUAL-LITE
XE	MULE LIGHTING	CRS-BB-*-R-W-*-**-TW-DG	3	SURFACE WALL	1,2,4	EMERGI-LITE, DUAL-LITE
Z	LSI LIGHTING	XIG-B/RIH-LED-19-350-NW-UE-NFL25-NB	19	RECESS GRADE		BEACON, SELUX

REMARKS:
1. FINISH AS PER ARCHITECT.
2. EMERGENCY BATTERY BACKUP
3. INTEGRAL MOTION SENSOR, 15 MIN. DELAY, 50% DIM
4. ARROW(S) AND FACE(S) AS PER PLAN
5. TURN OFF PHOTOCELL AND REMOVE JUMPER, FOR EMERGENCY OPERATION ONLY
6. PROVIDE CONNECTORS, JUMPERS AND MOUNTING BRACKETS AS REQUIRED.
7. MOUNT TO LSI #4RPN-A125-12'-N-**-ROUND STRAIGHT ALUMINUM POLE
8. MOUNT TO 25' SQUARE, STRAIGHT ALUMINUM POLE
9. MOUNT TO SIDE OF POLE AT 10' ABOVE GRADE WITH ARM PROVIDED, FIELD DRILLING REQUIRED

1 LUMINIARE SCHEDULE
NO SCALE



* 58" OPENING INCLUDES CHAMFER

NOTES:

- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 POUNDS, PAD SHALL BE CURED NOT LESS THAN 72 HOURS.
- ALL CONDUITS TO EXTEND 1 INCH ABOVE TOP OF PAD AND HAVE A BELL END INSTALLED. REBAR NOT TO BE INSTALLED IN PRIMARY OR SECONDARY OPENINGS.
- PAD FORMING AND CONDUIT TRENCH MUST BE INSPECTED BY ENGINEER BEFORE CONCRETE IS POURED.
- STUB 1-5" SPARE CONDUIT FROM PRIMARY COMPARTMENT AND 1-4" SPARE CONDUIT FROM SECONDARY COMPARTMENT TO POINT 5' BEYOND PAD AND CAP.
- DIMENSIONS ARE FOR ESTIMATING PURPOSE ONLY, ADJUST FOR ACTUAL EQUIPMENT.
- ALL CONCRETE EDGES TO HAVE 1" CHAMFER.

8 TRANSFORMER PAD DETAIL
NOT TO SCALE

DIRECTORY	VA LOAD			CKT NO.	BRKR	BRKR	CKT NO.	VA LOAD			DIRECTORY
	L1	L2	L3					L1	L2	L3	
LIGHTING	852			1	20/1	20/1	2	1440			RECEPTACLE
LIGHTING		830		3	20/1	20/1	4		1260		RECEPTACLE
EXTERIOR LIGHTING / PHOTOCELL			275	5	20/1	20/1 GFI	6			360	GIRL'S BOTTLE FILLER
GOAL LIFT	500			7	20/1	20/1	8				SPARE
GOAL LIFT		500		9	20/1	20/1	10		1260		RECEPTACLE
GOAL LIFT			500	11	20/1	20/1	12			1440	RECEPTACLE
SCOREBOARD / SHOT CLOCK	360			13	20/1	20/1 GFI	14	360			BOY'S BOTTLE FILLER
HAND DRYER - VISITOR		950		15	20/1	20/1	16		180		WATER HEATER
HAND DRYER - GIRLS			950	17	20/1	20/1	18				SPARE
HAND DRYER - GIRLS	950			19	20/1	20/1	20				SPARE
HAND DRYER - COACH		950		21	20/1	20/1	22		950		HAND DRYER - BOYS
HAND DRYER - REFEREE			950	23	20/1	20/1	24			950	HAND DRYER - BOYS
HAND DRYER - COACH	950			25	20/1	20/1	26	950			HAND DRYER - VISITOR
DIVIDER CURTAIN		500		27	20/1	20/1	28		540		RECEPTACLE
POWERVENT			200	29	20/1	20/1 GFI	30			1,260	GIRLS' LOCKERS
FIRE ALARM CIRCUIT	360			31	20/1 *	20/1 GFI	32	1620			GIRLS' LOCKERS
RECEPTACLE - DATA RACK		180		33	20/1	20/1 GFI	34		1,260		GIRLS' VISITOR LOCKERS
RECEPTACLE - CBB			360	35	20/1	20/1 GFI	36			1,260	GIRLS' VISITOR LOCKERS
SPARE				37	20/1	20/1 GFI	38	1620			BOYS' LOCKERS
SPARE				39	20/1	20/1 GFI	40		1,620		BOYS' LOCKERS
SPARE				41	20/1	20/1 GFI	42			1,800	BOYS' VISITOR LOCKERS
30/1 PROVISION				43		20/1 GFI	44	1260			BOYS' VISITOR LOCKERS
30/1 PROVISION				45			46				30/1 PROVISION
30/1 PROVISION				47			48				30/1 PROVISION
HP 4	2,200			49	25/2	15/3	50	1,200			BOYS' WASHER
		2,200		51			52		1,200		
HP 6	2,200			53	25/2		54			1,200	
		2,200		55		15/3	56	1,200			GIRLS' WASHER
HP 5			1,591	57	20/2		58		1,200		
	1,591			59			60			1,200	
SUBTOTALS	9963	8310	4826					9650	9470	9470	SUBTOTALS
VOLTAGE: 120/208V, 3 PH, 4W				AMPACITY: 200A		TOTAL VA, LINE 1			19613	Panel ID	B
MAIN: MLO, TOP						TOTAL VA, LINE 2			17780		
MOUNTING: SURFACE						TOTAL VA, LINE 3			14296	LOC	GYMNASIUM RISER ROOM 1109
NOTES: PANEL BOARD, 22K AIC, 120 KA INTEGRAL SPD., 2 EQUAL SECTIONS						TOTAL VA			51689		

* INSTALL RED CIRCUIT BREAKER LOCK, SPACE AGE ELECTRONICS #ELOCK-FA OR EQUAL

5 PANEL B SCHEDULE
NO SCALE

DIRECTORY	VA LOAD				BRKR	BRKR		VA LOAD			DIRECTORY
	L1	L2	L3					L1	L2	L3	
PANEL A	23,526				250/3	200/3		19,613			PANEL B
		22,057							17,780		
			23,117							14,296	
SCHP 1	20,620				225/3	225/3		20,620			SCHP 2
		20,620							20,620		
			20,620							20,620	
ERV	1,084				25/3	30/3		500			BLEACHERS
		1,084							500		
			1,084							500	
100/3 PROVISION						30/3		500			BLEACHERS
									500		
										500	
100/3 PROVISION											100/3 PROVISION
225/3 PROVISION											225/3 PROVISION
BOY'S DRYER	12,000				150/3	150/3		12,000			GIRLS' DRYER
		12,000							12,000		
			12,000							12,000	
SUBTOTALS	57230	55761	56821					53233	51400	47916	SUBTOTALS
VOLTAGE: 120/208V, 3 PH, 4W				AMPACITY: 1200A		TOTAL VA, LINE 1			110463	Panel ID	MP
MAIN: MAIN BREAKER BOTTOM						TOTAL VA, LINE 2			107161		
MOUNTING: SURFACE						TOTAL VA, LINE 3			104737	LOC	GYMNASIUM RISER ROOM 1109
NOTES: PANEL BOARD, 22K AIC, SE LABEL, 250 KA INTEGRAL SPD.						TOTAL VA			322361		

2 PANEL MP SCHEDULE
NO SCALE

DIRECTORY	VA LOAD			CKT NO.	BRKR	BRKR	CKT NO.	VA LOAD			DIRECTORY
	L1	L2	L3					L1	L2	L3	
LCC - GYM LIGHTING ROW 1	1062			1	20/1	20/1	2	500			GOAL LIFT
LCC - GYM LIGHTING ROW 2		1062		3	20/1	20/1	4		500		GOAL LIFT
LCC - GYM LIGHTING ROW 3			1062	5	20/1	20/1	6			500	GOAL LIFT
LCC - GYM LIGHTING ROW 4	1062			7	20/1	20/1	8	1440			RECEPTACLE
LCC - GYM LIGHTING ROW 5		1062		9	20/1	20/1	10		1260		RECEPTACLE
LCC - GYM LIGHTING ROW 6			1062	11	20/1	20/1 GFI	12			360	WATER COOLER
LIGHTING	806			13	20/1	20/1	14	1080			RECEPTACLE
LIGHTING		438		15	20/1	20/1	16		360		RECEPTACLE
LIGHTING			412	17	20/1	20/1 GFI	18			180	RECEPTACLE - REFRIGERATOR
SCOREBOARD / SHOT CLOCK	360			19	20/1	20/1 GFI	20	180			RECEPTACLE - REFRIGERATOR
GYM FLOOR RECEPTACLE		360		21	20/1	20/1 GFI	22		180		RECEPTACLE - ICE MACHINE
GYM FLOOR RECEPTACLE			360	23	20/1	20/1	24			710	INVERTER
RECEPTACLE	360			25	20/1	20/1	26	180			SI - SNAPSHOT INTERFACE
RECEPTACLE		360		27	20/1	20/1	28		180		LCC - LIGHTING CONTROL CAB.
O.H. DOOR			500	29	20/1	20/1	30			180	AC - AUXILIARY CAB.
SPARE				31	20/1	20/1 *	32	360			FIRE ALARM CIRCUIT
SPARE				33	20/1	20/1 *	34		180		BI-DIRECTION AMPLIFIER
SPARE				35	20/1	20/1	36			360	RECEPTACLE - CBB
SPARE				37	20/1	20/1	38	360			RECEPTACLE - CBB
SPARE				39	20/1	20/1	40		360		RECEPTACLE - DATA RACK
SPARE				41	20/1		42				30/1 PROVISION
30/1 PROVISION				43			44				30/1 PROVISION
30/1 PROVISION				45			46				30/1 PROVISION
30/1 PROVISION				47			48				30/1 PROVISION
30/1 PROVISION				49			50				30/1 PROVISION
30/1 PROVISION				51			52				30/1 PROVISION
30/1 PROVISION				53			54				30/1 PROVISION
30/1 PROVISION				55			56				30/1 PROVISION
30/1 PROVISION				57			58				30/1 PROVISION
PRESSURE BOOSTER			1,080	59	20/3		60				30/1 PROVISION
	1,080			61		20/3	62	555			JOCKEY PUMP
		1,080		63			64		555		
AREA LIGHTING			446	65	20/2		66			555	
	446			67		60/3	68	4085			RC - RELAY CABINET
PANEL T		2,230		69	50/2		70		4085		
			2,230	71			72			4085	
FCU 3-1	2,500			73	30/2	25/2	74	1690			WATER HEATER
		2,500		75			76		1690		
HP 3			2,920	77	50/2	30/2	78			2500	FCU 2-1
	2,920			79			80	2500			
HP 1		1,405		81	20/2	40/2	82		2210		HP 2
			1,405	83			84			2,210	
SUBTOTALS	10596	10497	11477					12930	11560	11640	SUBTOTALS
VOLTAGE: 120/208V, 3 PH, 4W				AMPACITY: 250A		TOTAL VA, LINE 1			23526	Panel ID	A
MAIN: MLO, BOTTOM						TOTAL VA, LINE 2			22057		
MOUNTING: SURFACE						TOTAL VA, LINE 3			23117	LOC	GYMNASIUM ELECTRICAL 1104
NOTES: PANEL BOARD, 10K AIC, 120 KA INTEGRAL SPD., 2 EQUAL SECTIONS						TOTAL VA			68700		

* INSTALL RED CIRCUIT BREAKER LOCK, SPACE AGE ELECTRONICS #ELOCK-FA OR EQUAL

4 PANEL A SCHEDULE
NO SCALE

DIRECTORY	VA LOAD		CKT NO.	BRKR	BRKR	CKT NO.	VA LOAD		DIRECTORY
	L1	L2					L1	L2	
LIGHTING	570		1	20/1	20/1	2	230		EXTERIOR LIGHTING
RECEPTACLE - REFRIGERATOR		180	3	20/1 GFI	20/1	4		360	RECEPTACL.E
RECEPTACLE - REFRIGERATOR	180		5	20/1 GFI	20/1	6	360		RECEPTACLE
RECEPTACLE - ICE MACHINE		180	7	20/1 GFI	20/1	8		360	RECEPTACLE
RECEPTACLE	180		9	20/1	20/1	10	180		RECEPTACLE
CEILING HEATER		1,500	11	20/1	20/1	12			SPARE
SPARE			13	20/1	20/1	14			SPARE
SPARE			15	20/1	20/1	16			SPARE
SPARE			17	20/1	20/1	18			SPARE
WATER HEATER		2,250	19	30/2		20			30/1 PROVISION
	2,250		21			22			30/1 PROVISION
HP-8		2,200	23	25/2		24			30/1 PROVISION
	2,200		25			26			30/1 PROVISION
HP-7		1,590	27	20/2		28			30/1 PROVISION
	1,590		29			30			30/1 PROVISION
SUBTOTALS	6970	7900					770	720	SUBTOTALS
VOLTAGE:120/240V, 1PH			AMPACITY: 100A		TOTAL VA, LINE 1		7740	Panel ID	C
MAIN: MAIN BREAKER, BOTTOM					TOTAL VA, LINE 2		8620		
MOUNTING: SURFACE					TOTAL VA		16360	LOC	RESTROOM BUILDING
NOTES: PANEL BOARD, 10K AIC, SE LABEL, 250 KA INTEGRAL SPD.									

3 PANEL C SCHEDULE
NO SCALE

02/05/26 #2559
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Consulting Engineers
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E-mail info@rhsmithpc.com

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DETAILS & SCHEDULES

E002

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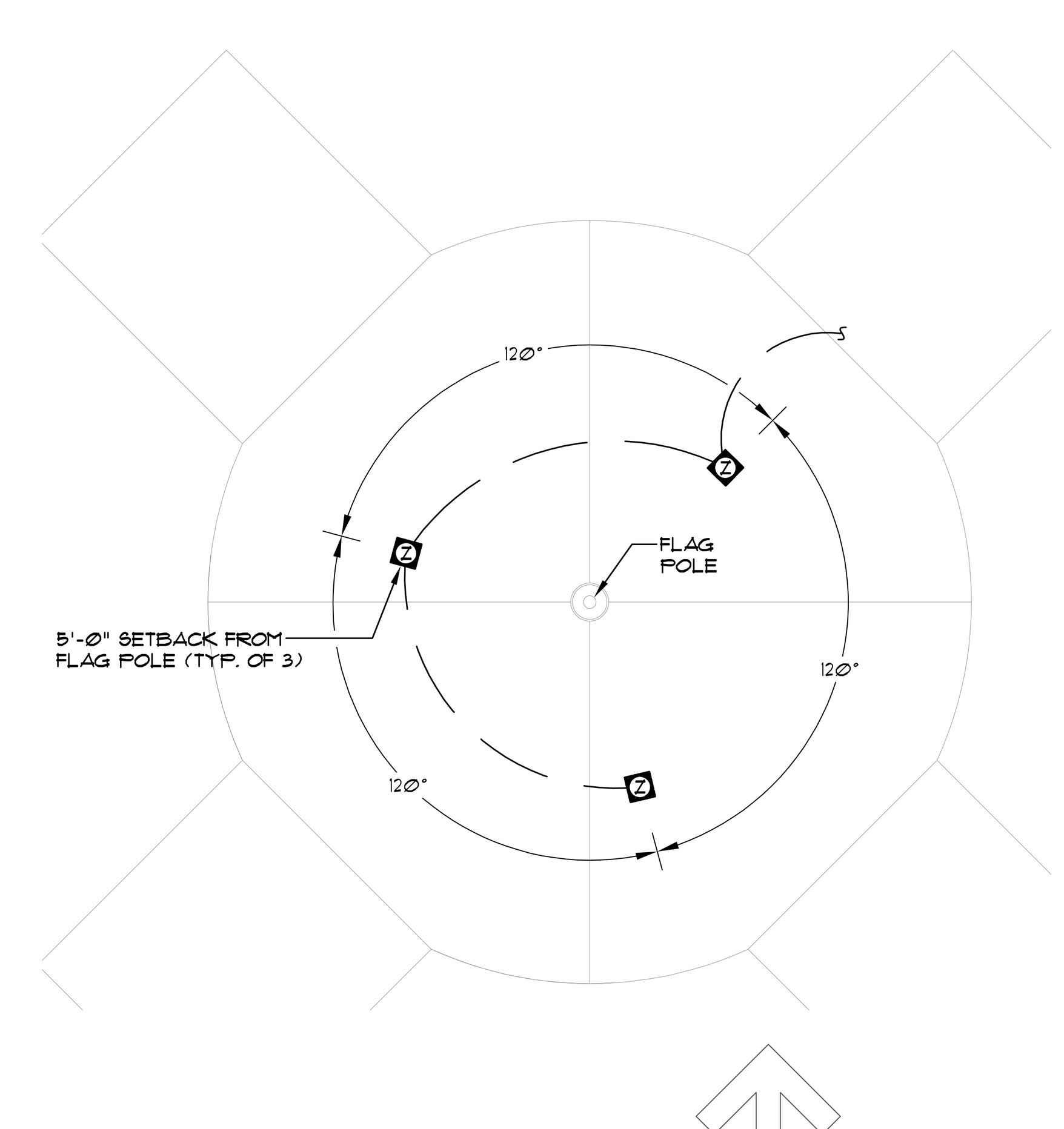
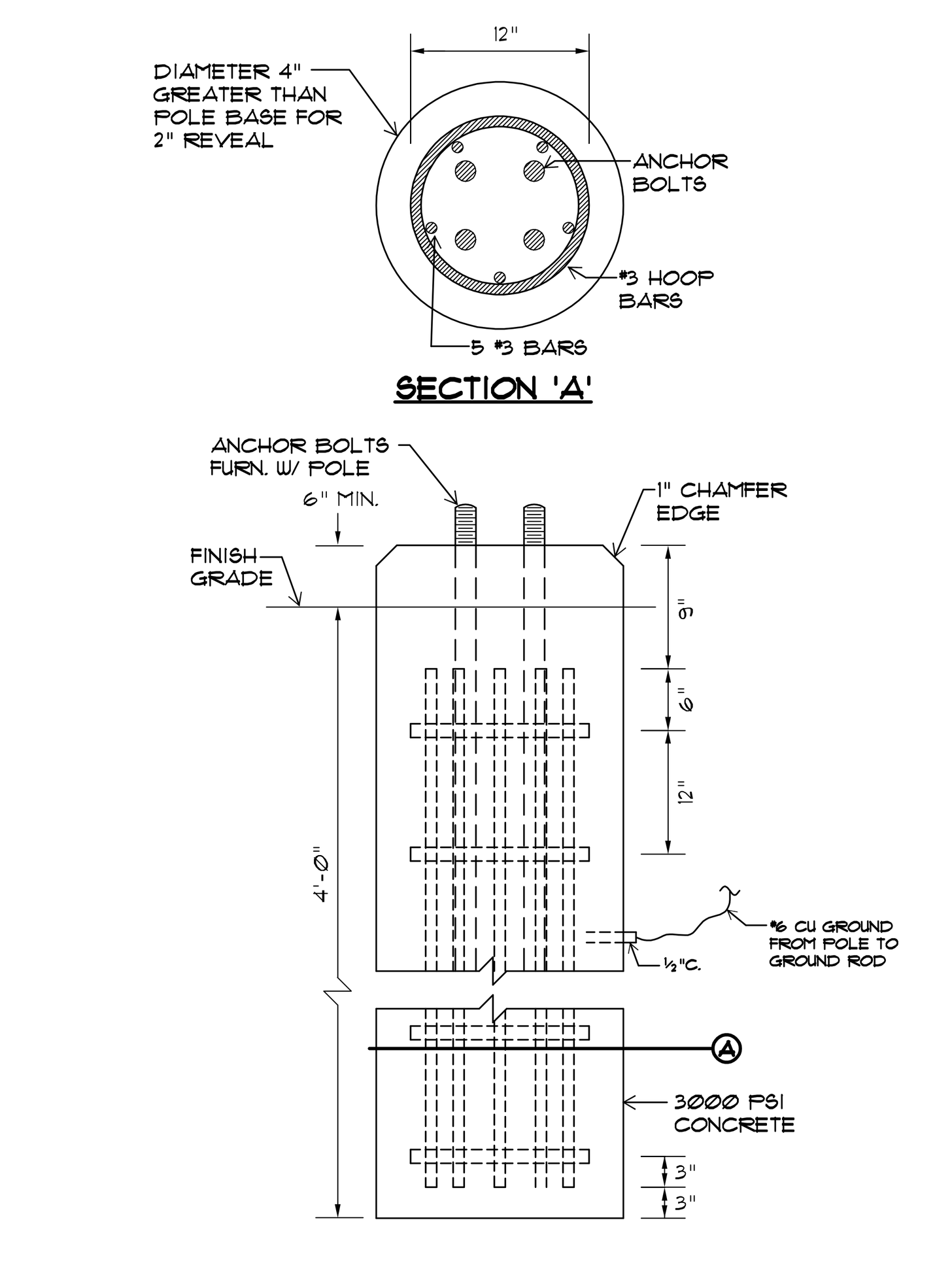
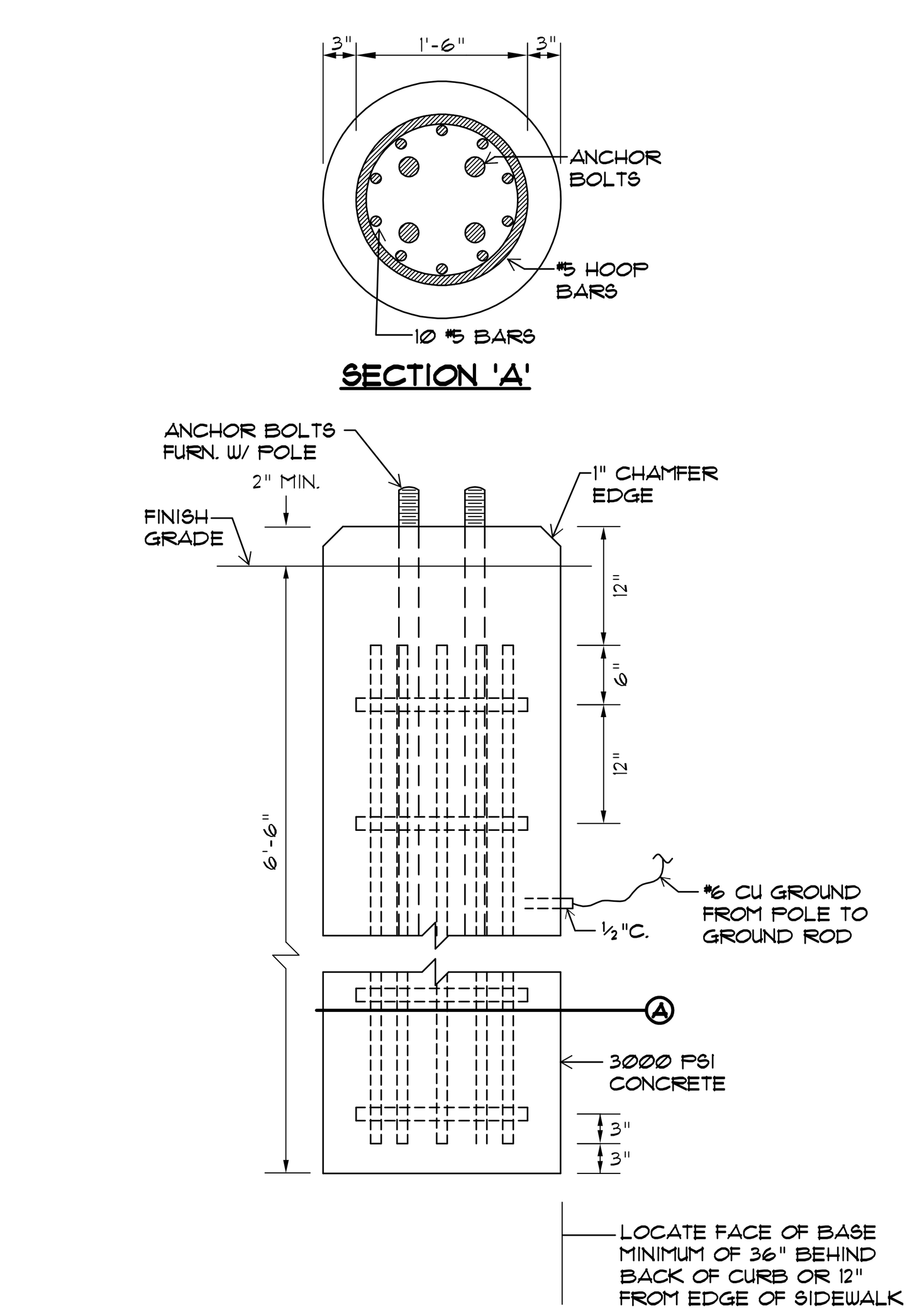


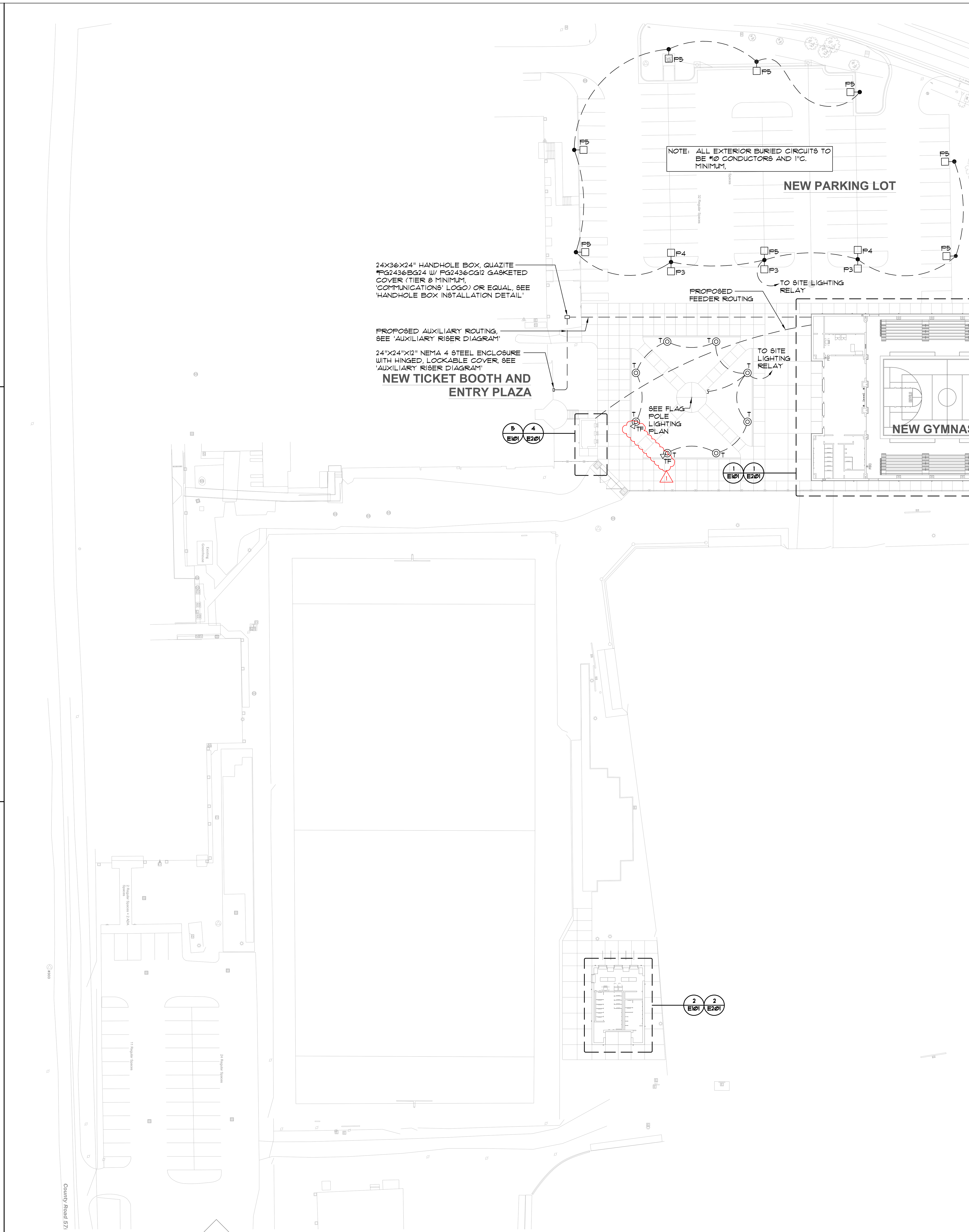
4 FLAG POLE LIGHTING PLAN
1/4" = 1'-0"



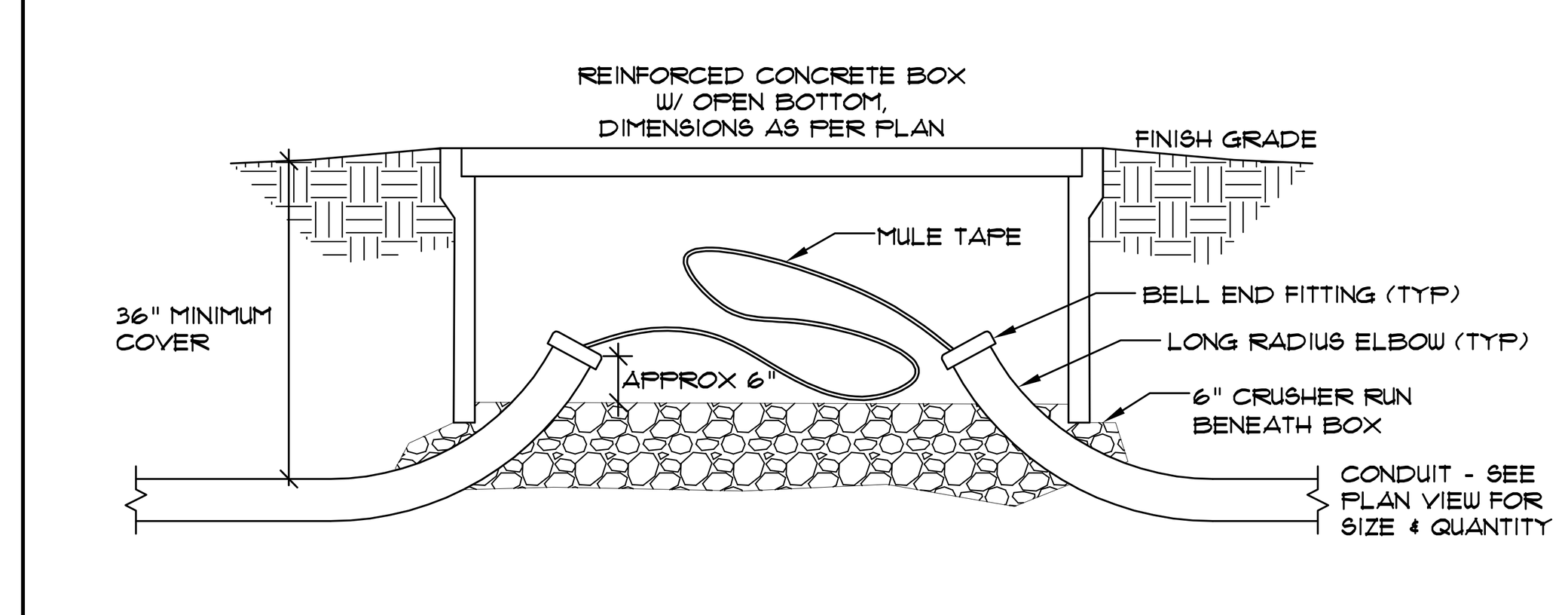
3 LUMINAIRE T POLE FOUNDATION DETAIL
NOT TO SCALE



1 LUMINAIRE P3, P4, & P5 POLE FOUNDATION DETAIL
NOT TO SCALE



2 SITE ELECTRICAL PLAN
1" = 30'-0"



5 HANDHOLE BOX INSTALLATION DETAIL
NO SCALE

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SITE ELECTRICAL PLAN

E100

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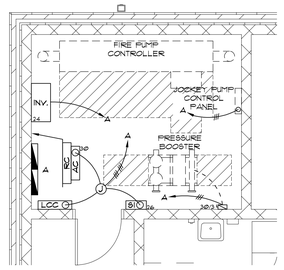
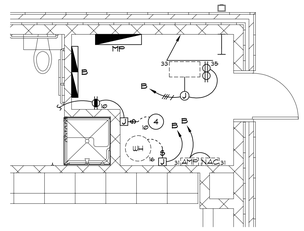
1. SHOT CLOCK PROVISIONS, VERIFY REQUIREMENTS WITH VENDOR
2. SCOREBOARD PROVISIONS, VERIFY REQUIREMENTS WITH VENDOR
3. CONNECTION TO BLEACHERS POWER SUPPLY
4. CONNECTION TO CIRCULATOR VIA AQUASTAT
5. TO KEY SWITCH
6. CONNECTION TO BOTTLE FILLER
7. 8x8x4" J-BOX TO HOUSE SWITCHING RELAY, RELAY FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL
8. INSTALL DMX INPUT JACK IN THIS FLOOR OUTLET, ¾"C. TO DIMMER CABINET DC. SEE PERFORMANCE LIGHTING LOW VOLTAGE WIRING DIAGRAM FOR CABLING
9. FOR HAND DRYER, COORDINATE EXACT HEIGHT AND LOCATION WITH ARCHITECT
10. CONNECTION TO LOCKER CHARGING RECEPTACLE, DAISY CHAIN CIRCUIT TO ALL LOCKERS IN THE ROW ALL WIRING TO BE CONCEALED IN WIRING CHANNELS PROVIDED.

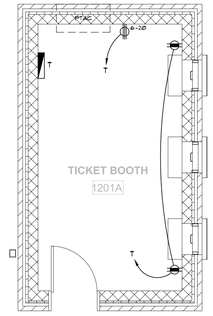
3 SPECIFIC NOTES
NO SCALE



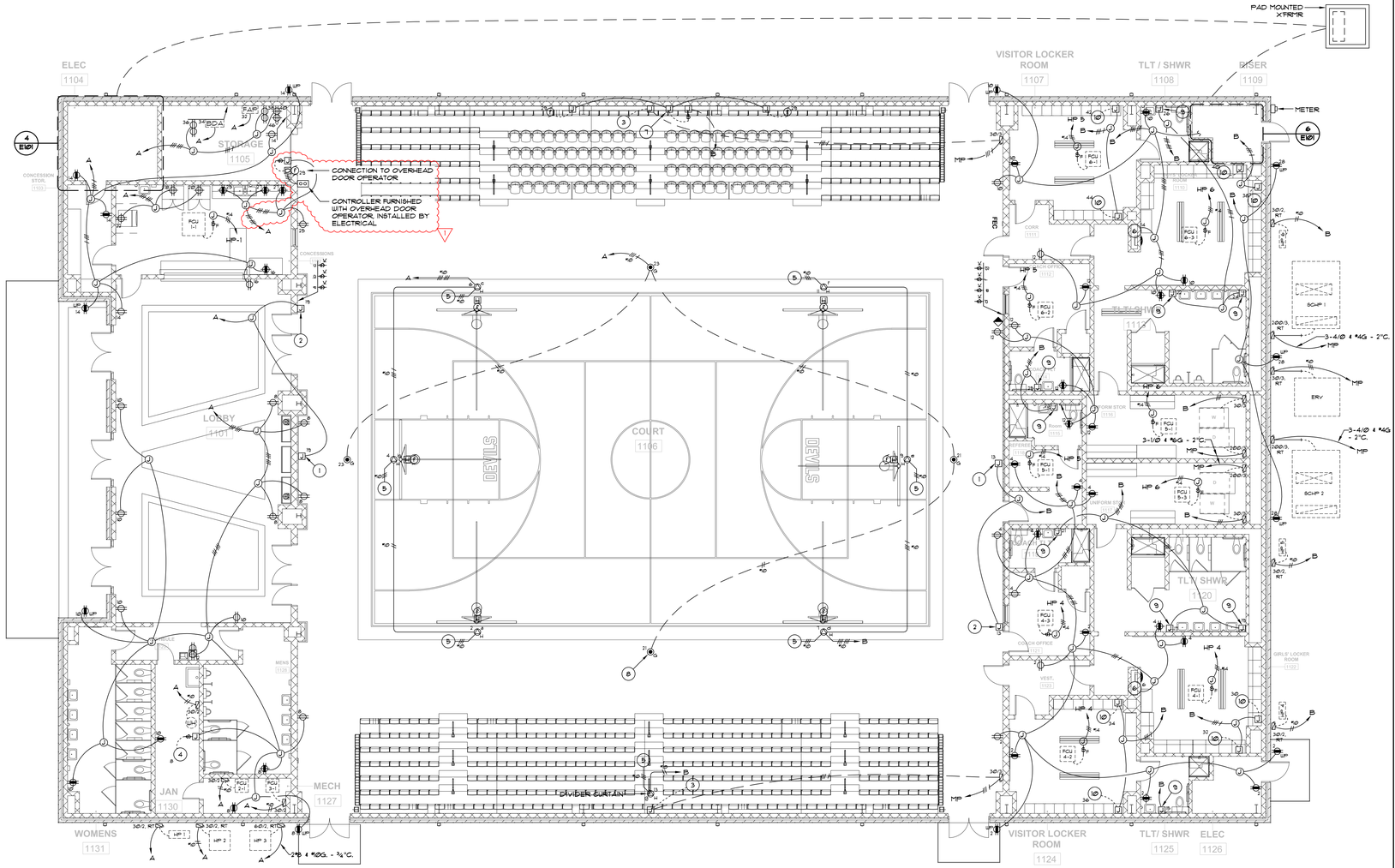
4 ELECTRICAL ROOM 1104
1/4" = 1'-0"



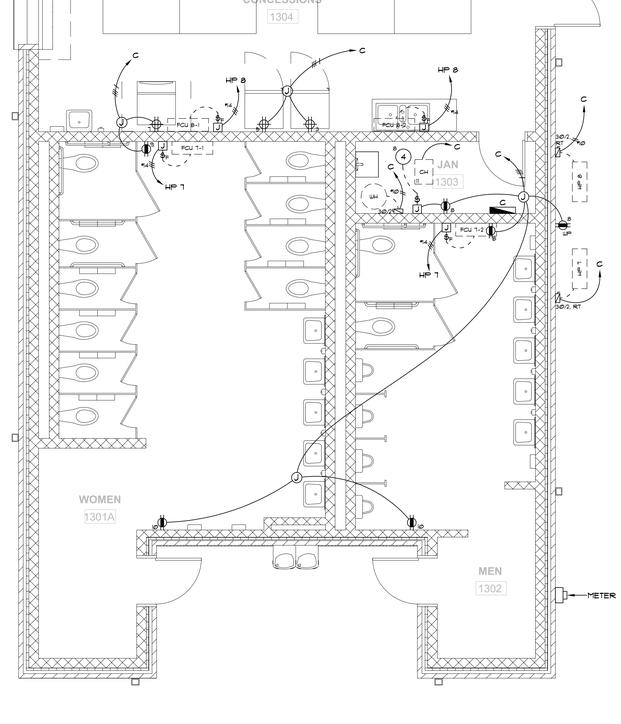
6 RISER 1190
1/4" = 1'-0"



5 TICKET BOOTH - POWER WIRING PLAN
1/4" = 1'-0"



1 GYMNASIUM - POWER WIRING PLAN
1/8" = 1'-0"



2 RESTROOM BUILIDING - POWER WIRING PLAN
1/4" = 1'-0"

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ALABAMA LICENSED PROFESSIONAL ENGINEER PAUL H. SMITH No. 18345
02/05/26 2559

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POWER WIRING PLANS

E101

ABBREVIATIONS: AFF-ABOVE FINISHED FLOOR, CBB-COMMUNICATIONS BACKBOARD, NEC-NATIONAL ELECTRICAL CODE, RT-RAIN TIGHT, WG-WIRE GUARD, WP-WEATHERPROOF

- ◁ WALL COMMUNICATION OUTLET, 18" AFF AND WITHIN 6" FROM POWER RECEPTACLE (IF ADJACENT), 4 11/16 X 4 11/16 X 2 1/8" J-BOX WITH SINGLE GANG DEVICE COVER, SEE 'AUXILIARY CONDUIT DIAGRAM' FOR CONDUIT REQUIREMENTS, 'D' (DATA) SUFFIX INDICATES DATA JACK, LEVITON #61UJK-RL6 (BLUE), QUANTITY AS INDICATED, CAT6 CABLE (BLUE JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL, OUTLET FACEPLATE TO BE LEVITON 4-PORT QUICKPORT WALL PLATE (MATERIAL AND COLOR TO MATCH RECEPTACLE FACEPLATES), INSTALL BLANK KEYSTONES (COLOR TO MATCH FACEPLATE) ON UNUSED PORTS, INSTALL BLANK FACEPLATES ON UNUSED COMMUNICATION OUTLETS
- ◀ WALL COMMUNICATION OUTLET, SPECIAL HEIGHT AS PER PLAN OR AS PER ADJACENT RECEPTACLE, CONDUIT, CABLING, AND JACKS SAME AS STANDARD WALL COMMUNICATION OUTLET
- CEILING COMMUNICATION OUTLET:
  - ACCESSIBLE CEILING LOCATIONS: SEE 'AUXILIARY CONDUIT DIAGRAM' FOR CONDUIT REQUIREMENTS, BUSHINGS ON CONDUIT ENDS, 'D' SUFFIX INDICATES 10' OF COILED CAT6 CABLE (GREEN JACKET) AT LOCATION WITH LEVITON #61UJK-RV6 (GREEN) CAT6 DATA JACK ON CABLE END (UNLESS NOTED OTHERWISE), QUANTITY AS INDICATED, HOMERUN TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL
  - HARD CEILING LOCATIONS: 4 11/16 X 4 11/16 X 2 1/8" J-BOX WITH SINGLE GANG DEVICE COVER, SEE 'AUXILIARY CONDUIT DIAGRAM' FOR CONDUIT REQUIREMENTS, BUSHING ON CONDUIT END, 'D' (DATA) SUFFIX INDICATES DATA JACK, LEVITON #61UJK-RV6 (GREEN), QUANTITY AS INDICATED, CAT6 CABLE (GREEN JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL, OUTLET FACEPLATE TO BE LEVITON 2-PORT QUICKPORT WALL PLATE (COLOR TO MATCH CEILING), INSTALL BLANK KEYSTONES (COLOR TO MATCH FACEPLATE) ON UNUSED PORTS, INSTALL BLANK FACEPLATES ON UNUSED COMMUNICATION OUTLETS
- MULTI-SERVICE FLOOR OUTLET, SEE 'ELECTRICAL SYMBOLS' ◉G FOR FLOOR BOX SPECIFICATION AND CONDUIT REQUIREMENTS (COORDINATE WITH CORRESPONDING POWER WIRING PLAN), 'D' (DATA) SUFFIX INDICATES DATA JACK, LEVITON #61UJK-RL6 (BLUE), QUANTITY AS INDICATED, CAT6 CABLE (BLUE JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL, INSTALL KEYSTONES IN DECORA INSERT, QUANTITY AS REQUIRED, COLOR TO MATCH RECEPTACLES
- FUTURE CAMERA LOCATION, MOUNTING AS FOLLOWS: NO SUFFIX - CEILING, 'W' - WALL:
  - ACCESSIBLE CEILING LOCATIONS: SEE 'AUXILIARY CONDUIT DIAGRAM' FOR CONDUIT REQUIREMENTS, BUSHINGS ON CONDUIT ENDS, 'D' SUFFIX INDICATES 10' OF COILED CAT6 CABLE (ORANGE JACKET) AT LOCATION WITH LEVITON #61UJK-RO6 (ORANGE) CAT6 RJ45 NETWORK CONNECTOR ON CABLE END, QUANTITY AS INDICATED, HOME RUN TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL
  - WALL MOUNTED AND HARD CEILING LOCATIONS: 4 11/16 X 4 11/16 X 2 1/8" J-BOX WITH SINGLE GANG DEVICE COVER, SEE 'AUXILIARY CONDUIT DIAGRAM' FOR CONDUIT REQUIREMENTS, BUSHING ON CONDUIT END, 'D' SUFFIX INDICATES 12" OF CAT6 CABLE (ORANGE JACKET) AT LOCATION WITH LEVITON #61UJK-RO6 (ORANGE) CAT6 RJ45 NETWORK CONNECTOR ON CABLE END, QUANTITY AS INDICATED, HOME RUN TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL
- CR WALL OUTLET FOR ACCESS CONTROL SWITCHING DEVICE, SEE 'ACCESS CONTROL DETAIL' FOR ADDITIONAL INFORMATION
- AI WALL OUTLET FOR VIDEO INTERCOM STATION (BY OTHERS), SEE 'ACCESS CONTROL DETAIL' FOR ADDITIONAL INFORMATION
- S 2X2' LAY-IN CEILING SPEAKER COMPATIBLE WITH EXISTING SYSTEM, SUPPORT SPEAKER AT ALL FOUR (4) CORNERS INDEPENDENT OF CEILING GRID, 18/2 SPEAKER AUDIO CABLE IN 3/4"C., DAISY CHAIN SPEAKERS WITHIN RESPECTIVE PAGING ZONE, ROUTE CONDUIT SUCH THAT CONDUIT/CABLE RUN IS MINIMIZED
- S WALL MOUNTED PAGING HORN COMPATIBLE WITH EXISTING SYSTEM, HEIGHT AS INDICATED ON PLAN, 18/2 SPEAKER AUDIO CABLE IN 3/4"C., DAISY CHAIN SPEAKERS WITHIN RESPECTIVE PAGING ZONE, ROUTE CONDUIT SUCH THAT CONDUIT/CABLE RUN IS MINIMIZED

FIRE ALARM SYMBOLS

- FAP FIRE ALARM PANEL, GAMEWELL-FCI E3 SERIES EMERGENCY VOICE EVACUATION SYSTEM W/ #LCD-SLP LCD TOUCHSCREEN DISPLAY, SURFACE MOUNT
- LOC LOCAL OPERATING CONSOLE, GAMEWELL-FCI E3 SERIES LOC W/ PAGING MICROPHONE AND GAMEWELL-FCI #1100-0505 NETWORK GRAPHIC ANNUNCIATOR, FLUSH MOUNT, 54" AFF
- NAC NOTIFICATION APPLIANCE CIRCUIT (NAC) EXTENDER PANEL, GAMEWELL-FCI #HPFF** (AMPERAGE AS REQUIRED), SURFACE MOUNT
- AMP AUDIO AMPLIFIER, GAMEWELL-FCI #AM-50, QUANTITY AS REQUIRED, INSTALL IN GAMEWELL-FCI #INX-CAB-* CABINET, SIZE AS REQUIRED
- DB FIRE ALARM DOCUMENT BOX, GAMEWELL-FCI #FAD, SURFACE MOUNT, STORE PROJECT DOCUMENTS AS REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ)
- CEILING OUTLET, SMOKE DETECTOR, GAMEWELL-FCI #ASD-PL3 (PHOTOELECTRIC) W/ GAMEWELL-FCI #B300-6 FLANGED MOUNTING BASE
- CEILING OUTLET, HEAT DETECTOR, GAMEWELL-FCI #ATD-L3R (135°F AND 15°/MIN RATE-OF-RISE) W/ GAMEWELL-FCI #B300-6 FLANGED MOUNTING BASE
- PULL STATION, SEMI-FLUSH, DOUBLE-ACTION, ADDRESSABLE, GAMEWELL-FCI #MS-7AF, 46" AFF, 'PC' SUBSCRIPT INDICATES CLEAR PROTECTIVE COVER WITHOUT ALARM, STI STOPPER II OR EQUAL
- WALL OUTLET, AUDIBLE VISUAL NOTIFICATION APPLIANCE, SYSTEM SENSOR #SPSWL-CLR-ALERT, SPEAKER, WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 7'-4" AFF, 15 CANDELA OR AS INDICATED BY SUBSCRIPT, 1/4W OR AS INDICATED BY SUBSCRIPT
- WALL OUTLET, VISUAL NOTIFICATION APPLIANCE, SYSTEM SENSOR #SWL-CLR-ALERT, WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 7'-4" AFF, 15 CANDELA OR AS INDICATED BY SUBSCRIPT
- CEILING OUTLET, AUDIBLE VISUAL NOTIFICATION APPLIANCE, SYSTEM SENSOR #SPSCWL-CLR-ALERT, SPEAKER, WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 15 CANDELA OR AS INDICATED BY SUBSCRIPT, 1/4W OR AS INDICATED BY SUBSCRIPT
- CEILING OUTLET, VISUAL NOTIFICATION APPLIANCE, SYSTEM SENSOR #SCWL-CLR-ALERT, WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 15 CANDELA OR AS INDICATED BY SUBSCRIPT
- B FIRE ALARM BELL, 24VDC, SYSTEM SENSOR SSM24-6 W/ #WBB WEATHERPROOF BACKBOX, 6" DIAMETER, SURFACE MOUNT, 7'-4" AFF, BELL SHALL SOUND ON SPRINKLER WATER FLOW ONLY
- Z ADDRESSABLE MONITOR MODULE, GAMEWELL-FCI #AMM-4F
- BDA IN-BUILDING 2-WAY EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEM, BI-DIRECTIONAL AMPLIFIER (BDA), SYSTEM TO BE MANUFACTURED BY FIPLEX OR APPROVED EQUAL, COORDINATE FREQUENCY REQUIREMENTS WITH THE AHJ, SYSTEM TO BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS
- BAN BI-DIRECTIONAL AMPLIFIER (BDA) BATTERY BACKUP UNIT W/ BUILT-IN ANNUNCIATOR, UNIT TO BE MANUFACTURED BY FIPLEX OR APPROVED EQUAL, UNIT TO BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS
- BI-DIRECTIONAL AMPLIFIER DONOR ANTENNA, ANTENNA TO BE MANUFACTURED BY FIPLEX OR EQUAL, COORDINATE FREQUENCY REQUIREMENTS WITH THE AHJ, CABLING TO BE INSTALLED IN 1½" CONDUIT BACK TO BDA
- BI-DIRECTIONAL AMPLIFIER INDOOR DAS ANTENNA, ANTENNA TO BE MANUFACTURED BY FIPLEX OR APPROVED EQUAL, COORDINATE FREQUENCY REQUIREMENTS WITH THE AHJ, INSTALL ABOVE ACCESSIBLE CEILING

1 AUXILIARY SYMBOLS LIST
NO SCALE

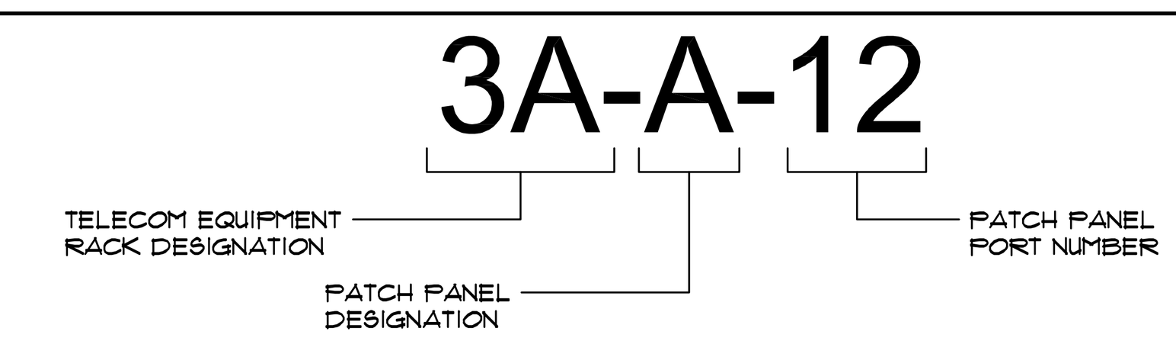
GENERAL:
- ALL HEIGHTS ARE CENTERLINE UNLESS NOTED OTHERWISE
- INSTALL FIRESTOPPING IN ALL PENETRATIONS OF FIRE-RATED WALLS OR CEILINGS USING APPROVED FIRESTOPPING MATERIALS AND METHODS IN ORDER TO MAINTAIN FIRE-RATING INTEGRITY
- ALL CONDUIT INDICATED TO STUB TO ABOVE ACCESSIBLE CEILING SHALL EXTEND A MINIMUM OF 6" ABOVE THE ACCESSIBLE CEILING.

COMMUNICATIONS:
- CABLE COLORS SHALL BE AS FOLLOWS:
  - STANDARD DATA: BLUE
  - CAMERAS: ORANGE
  - WIRELESS ACCESS POINTS: GREEN
- LABEL ENDS OF CABLES, FACEPLATES, & PATCH PANELS W/ CABLE IDENTIFICATION, SEE 'COMMUNICATION OUTLET LABELING FORMAT DETAIL' FOR LABELING FORMAT, ELECTRONICALLY PRINTED LABELS TO BE INSTALLED ON FACEPLATES & PATCH PANELS IN NEAT AND PROFESSIONAL MANNER
- TELECOM RACK ELEVATIONS ARE FOR ILLUSTRATION PURPOSES ONLY, COMMUNICATIONS CONTRACTOR TO PROVIDE ACTUAL QUANTITIES OF RACK EQUIPMENT AS REQUIRED
- COORDINATE WITH OWNER PRIOR TO INSTALLATION:
  - PATCH PANEL PUNCH DOWN LOCATIONS FOR CAMERAS, WAPs, AND STANDARD DATA OUTLETS.
  - RACK EQUIPMENT AND BACKBOARD-MOUNTED EQUIPMENT LOCATIONS.

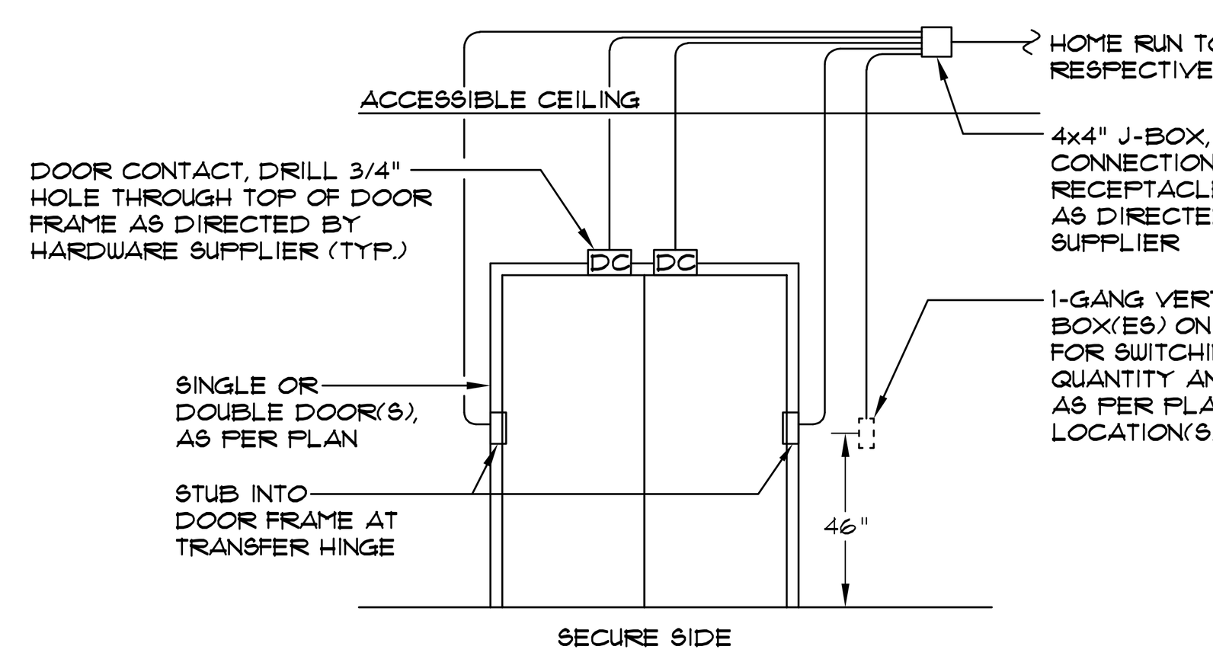
INTERCOM
- THE EXISTING INTERCOM SYSTEM IS A VALCOM #V-2924A TALKBACK INTERCOM SYSTEM

FIRE ALARM:
- THE FIRE ALARM PANEL IN THE EXISTING BUILDING IS A SIMPLEX 4100U FIRE ALARM PANEL
- THE CERTIFIED FIRE ALARM ACT REQUIRES:
  1. EVERY BUSINESS WHO INSTALLS FIRE ALARM SYSTEMS IN COMMERCIAL OCCUPANCIES MUST BE LICENSED THROUGH THE STATE OF ALABAMA FIRE MARSHAL'S OFFICE AS A CERTIFIED FIRE ALARM CONTRACTOR. THE CONTRACTOR MUST HAVE A NICET LEVEL III TECHNICIAN IN A POSITION OF RESPONSIBILITY. THE LICENSE WILL BE ISSUED IN THE NAME OF THE CERTIFICATE HOLDER AND THE CONTRACTOR.
  2. TECHNICIANS WORKING FOR THE CERTIFIED CONTRACTOR MUST HOLD A CURRENT NICET LEVEL II, OR EQUIVALENT, CERTIFICATION. THE FIRE ALARM SPECIFICATIONS SHALL REQUIRE CONTRACTORS WISHING TO BID ON FIRE ALARM WORK TO SHOW EVIDENCE AT THE PRE-BID CONFERENCE THAT HE/SHE MEETS THE CERTIFICATION REQUIREMENTS OF THE ACT AND HOLDS A PERMIT ISSUED BY THE STATE FIRE MARSHALL.
- THE FIRE ALARM SYSTEM WORK SHALL BE PERFORMED AS PER NFPA 72 (2019) 10.4 AND 10.5.2., THE SYSTEM IS TO BE CERTIFIED UPON COMPLETION OF WORK AND A 'RECORD OF COMPLETION' SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 72 (2019) PER IBC (2021) 907.7.2.
- SMOKE AND HEAT DETECTORS SHALL NOT BE INSTALLED IN A DIRECT AIRFLOW OR CLOSER THAN 36" FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING (NFPA 72 2019 17.7.4.1), COORDINATE WITH HVAC.
- THE FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72 (2019) (IFC 2021 907.6.6).
- ALL NOTIFICATION APPLIANCES SHALL BE LOCATED AS INDICATED ON THE PLANS, THE FIRE ALARM CONTRACTOR SHALL NOT RELOCATE ANY DEVICES (INCLUDING RELOCATING A WALL MOUNTED DEVICE TO THE CEILING OR VICE VERSA) WITHOUT CONSULTING THE ENGINEER.
- ALL INITIATING DEVICES SHALL BE PHYSICALLY LABELED USING MACHINE-PRINTED, ADHESIVE LABELS (WHITE BACKGROUND W/ BLACK TEXT). LABELS SHALL INDICATE DEVICE ADDRESS AS PROGRAMMED IN THE FIRE ALARM PANEL.
- EACH INTERBUILDING CIRCUIT SHALL BE PROTECTED BY A LISTED PRIMARY PROTECTOR AT EACH END OF THE INTERBUILDING CIRCUIT.
- INSTALL RED CIRCUIT BREAKER LOCKS ON ALL CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT, SPACE AGE ELECTRONICS #ELOCK-FA OR EQUAL, IDENTIFY BREAKERS AS 'FIRE ALARM CIRCUIT'.
- THE LOCATION OF THE BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE (PANEL ID AND CIRCUIT NUMBER) SHALL BE PERMANENTLY IDENTIFIED ON THE FRONT OF ALL FIRE ALARM EQUIPMENT.
- BRANCH CIRCUITS SUPPLYING FIRE ALARM EQUIPMENT SHALL SUPPLY NO OTHER LOADS AND SHALL NOT BE SUPPLIED THROUGH GROUND-FAULT CIRCUIT INTERRUPTERS OR ARC-FAULT CIRCUIT INTERRUPTERS.
- ALL FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT, J-BOXES TO HAVE RED COVERS WITH WHITE 'FA' LETTERS, IDENTIFY CONDUIT AS PER SPECIFICATION SECTION 260553
- THE OPERABLE PART OF ALL MANUAL PULL STATIONS SHALL BE NO LESS THAN 42" AFF AND NO MORE THAN 48" AFF.
- THE FIRE ALARM CONTRACTOR SHALL EMPLOY THE SERVICES OF A LICENSED PROFESSIONAL ENGINEER (LICENSED TO PRACTICE IN THE STATE OF ALABAMA) TO SUPERVISE THE DEVELOPMENT OF THE FIRE ALARM SHOP DRAWINGS. THE ENGINEER SHALL BE FAMILIAR WITH ALL ELEMENTS OF THE FIRE ALARM SYSTEM INCLUDING THOSE OF WHICH ARE PROPRIETARY TO THE SUPPLYING MANUFACTURER AND SHALL BE CAPABLE OF VERIFYING ALL INFORMATION SHOWN ON THE DRAWINGS. THE ENGINEER SHALL CERTIFY THE DRAWINGS BY USE OF THEIR SEAL (SIGNED AND DATED). THE SEALED SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND THE AHJ FOR REVIEW.
- THE BDA SYSTEMS SHALL BE BID AS FOLLOWS:
  - BASE BID: INITIAL SURVEY OF BUILDING AS DESCRIBED IN SPECIFICATION SECTION 285000
  - 1 UNIT PRICE (SEE SPECIFICATION SECTION 012200): INSTALLATION AND TESTING OF BDA AS PER PLANS AND SPECIFICATION SECTION 285001
  - ALLOWANCE (SEE SPECIFICATION SECTION 012100): INCLUDE A CONTINGENCY ALLOWANCE OF $15,000.00 TO COVER ANY ADDITIONAL REQUIREMENTS TO THE BDA SYSTEM BEYOND THE SCOPE AS DESCRIBED ON THE ELECTRICAL DRAWINGS AND SPECIFICATIONS
- THE FIRE ALARM SYSTEM SHALL MONITOR THE BI-DIRECTIONAL AMPLIFER (BDA) AS PER IFC (2021) 510.4.2.5 AND SPECIFICATION SECTION 285001. SUPERVISORY SIGNALS SHALL ANNUNCIATE AT THE FIRE ALARM PANEL AND ALL REMOTE ANNUNCIATOR PANELS.

2 GENERAL AUXILIARY NOTES
NO SCALE



8 COMMUNICATION OUTLET LABELING FORMAT DETAIL
NO SCALE

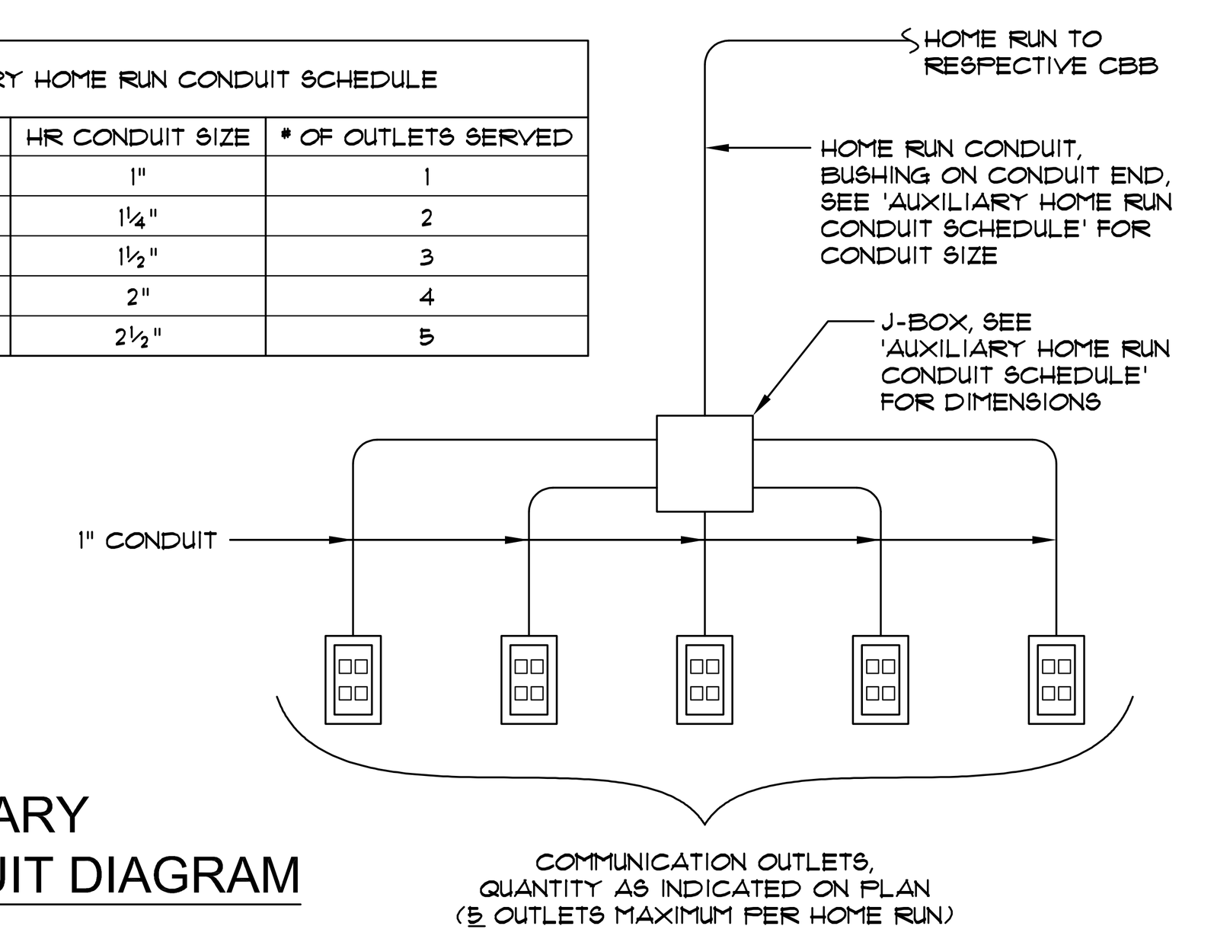


NOTES:
- ACCESS CONTROL LOCATIONS SHALL AUTOMATICALLY UNLOCK IN THE DIRECTION OF EGRESS UPON:
  1. LOSS OF POWER
  2. ACTIVATION OF THE FIRE ALARM SYSTEM
- INSTALL BUSHINGS ON ALL NON-TERMINATED CONDUIT ENDS
- ALL CONDUIT SHALL BE 3/4" NOMINAL

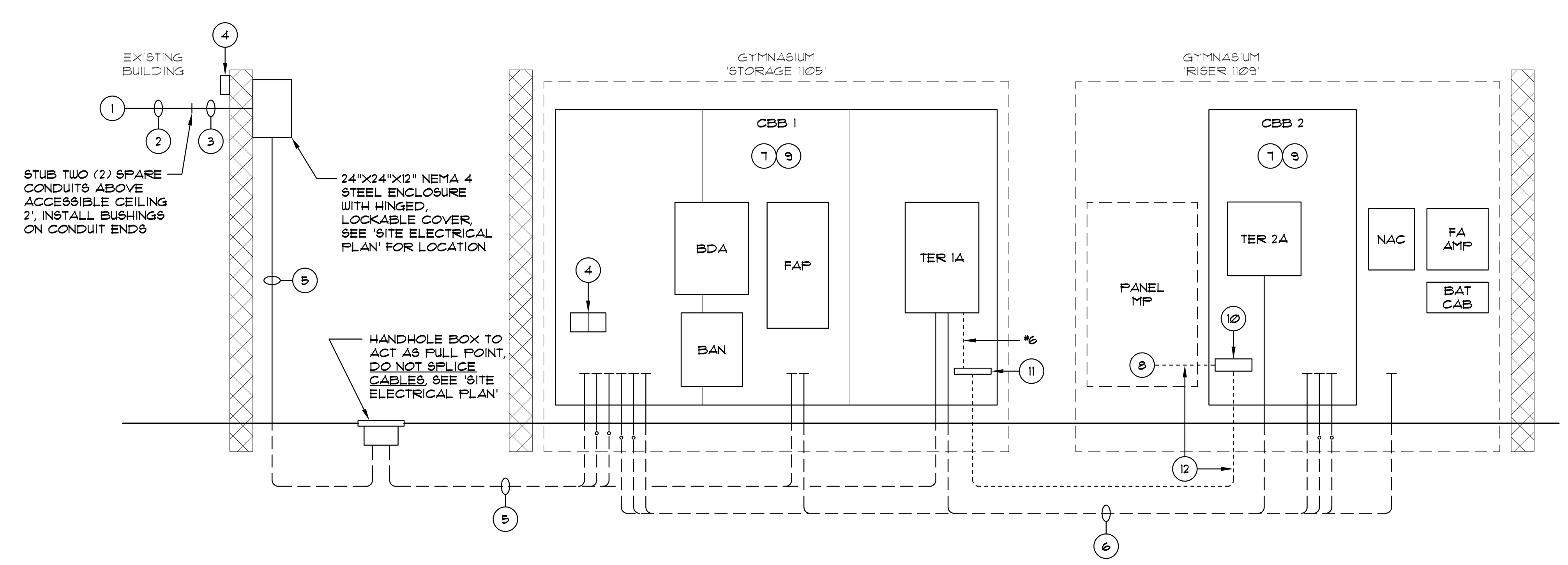
6 ACCESS CONTROL DETAIL
NO SCALE

AUXILIARY HOME RUN CONDUIT SCHEDULE

J-BOX DIMENSIONS	HR CONDUIT SIZE	# OF OUTLETS SERVED
4 11/16" X 4 11/16" X 2 1/8"	1"	1
4 11/16" X 4 11/16" X 2 1/8"	1¼"	2
8" X 8" X 4"	1½"	3
12" X 12" X 4"	2"	4
12" X 12" X 4"	2½"	5



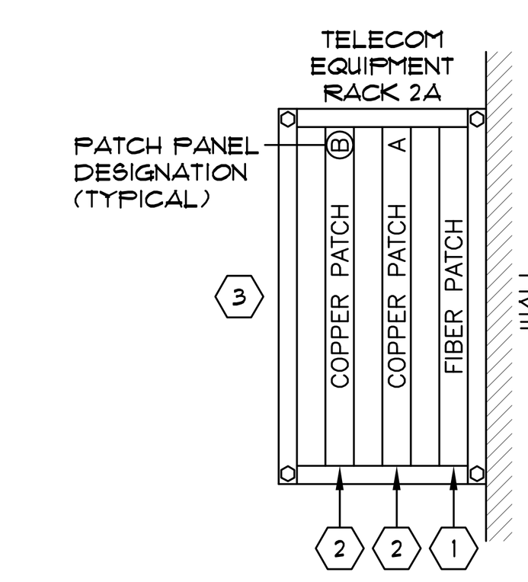
7 AUXILIARY CONDUIT DIAGRAM
NO SCALE



1. INCLUDE 500' OF CONDUIT AND CABLING FOR ROUTING WITHIN EXISTING BUILDING, TERMINATION POINTS TO BE DETERMINED DURING CONSTRUCTION, TERMINATE FIBER CABLE FOR DATA WITH 'ST' CONNECTORS ON RACK MOUNTED FIBER PATCH PANELS, TERMINATE COPPER CABLES ON DEDICATED CARBON PROTECTED TERMINAL BLOCKS ON COMMUNICATION BACKBOARD FOR INTERCOM SYSTEM EQUIPMENT
2. (1) 12 STRAND, MULTI-MODE, 50 MICRON, OM3, INDOOR / OUTDOOR TIGHT BUFFER PLENUM FIBER IN 2"C. FOR DATA, GENERAL CABLE #BE0121ANU.BK OR EQUAL 1
   ~~(1) 25 PAIR (24 PAIR AWG), CAT 3 PLENUM COPPER CABLE IN 2"C. FOR INTERCOM SYSTEM, GENERAL CABLE #2131505.93 OR EQUAL~~
   (1) 2" SPARE CONDUIT FOR FIRE ALARM CABLING
   INSTALL BUSHINGS ON ALL CONDUIT ENDS
3. (1) 12 STRAND, MULTI-MODE, 50 MICRON, OM3, INDOOR / OUTDOOR TIGHT BUFFER PLENUM FIBER IN 2"C. FOR DATA, GENERAL CABLE #BE0121ANU.BK OR EQUAL 1
   ~~(1) 25 PAIR (24 PAIR AWG), CAT 3 PLENUM COPPER CABLE IN 2"C. FOR INTERCOM SYSTEM, GENERAL CABLE #2131505.93 OR EQUAL~~
   (3) 2" SPARE CONDUITS FOR FIRE ALARM CABLING AND OTHER AUXILIARY SYSTEMS
   INSTALL BUSHINGS ON ALL CONDUIT ENDS
4. INDOOR BUILDING ENTRANCE TERMINAL (BET) 110/110 CONNECTOR, CIRCAMAX #1880ECA1-25 OR APPROVED EQUAL, TERMINATE PAGING SYSTEM COPPER CABLING ON 110 BLOCKS PROVIDED, FURNISH AND INSTALL CIRCAMAX #4B1S-300 5 PIN SOLID STATE SURGE PROTECTION MODULES, INSTALL #6 INSULATED (GREEN) GROUNDING CONDUCTOR FROM RESPECTIVE TELECOMMUNICATIONS GROUNDING BUSBAR TO BET GROUND LUG (INSTALL IN 3/4"C. IF NOT LOCATED WITHIN THE SAME SPACE AS THE GROUNDING BUSBAR), INTERRUPT OSP CABLE SHIELD AS REQUIRED BY NEC 805.93, LOCATE BET AS CLOSE AS PRACTICAL TO CABLE ENTRANCE, OSP CABLING NOT TO EXCEED 50' WITHIN BUILDING.
5. (1) 12 STRAND, MULTI-MODE, 50 MICRON, OM3, INDOOR / OUTDOOR TIGHT BUFFER PLENUM FIBER IN 2"C. FOR DATA, GENERAL CABLE #BE0121ANU.BK OR EQUAL 1
   ~~(1) 25 PAIR (19 PAIR AWG), FILLED FOAM SKIN COPPER CABLE IN 2"C. FOR INTERCOM SYSTEM, GENERAL CABLE #1525538 OR EQUAL~~
   (3) 2" SPARE CONDUITS FOR FIRE ALARM CABLING AND OTHER AUXILIARY SYSTEMS
   INSTALL BUSHINGS ON ALL CONDUIT ENDS
6. (1) 6 STRAND, MULTI-MODE, 50 MICRON, OM3, INDOOR / OUTDOOR TIGHT BUFFER RISER FIBER IN 2"C. FOR DATA, GENERAL CABLE #BE0061ANR.BK OR EQUAL 1
   ~~(1) 12 PAIR (19 PAIR AWG), FILLED FOAM SKIN COPPER CABLE IN 2"C. FOR INTERCOM SYSTEM, GENERAL CABLE #1525512 OR EQUAL~~
   (3) 2" SPARE CONDUITS FOR FIRE ALARM CABLING AND OTHER AUXILIARY SYSTEMS
   INSTALL BUSHINGS ON ALL CONDUIT ENDS
7. TERMINATE FIBER CABLE FOR DATA WITH 'ST' CONNECTORS ON RACK MOUNTED FIBER PATCH PANELS, AND TERMINATE COPPER CABLES ON DEDICATED CARBON PROTECTED TERMINAL BLOCKS ON COMMUNICATION BACKBOARD FOR INTERCOM SYSTEM EQUIPMENT
8. CONNECT TO GROUNDING ELECTRODE
9. INSTALL A DEDICATED #6 EQUIPMENT BONDING CONDUCTOR FROM ALL RACKS, ENCLOSURES, CABLE TRAYS, AND STRUCTURAL STEEL (CONNECT TO VERTICAL COLUMNS IF WITHIN SAME SPACE) TO THEIR RESPECTIVE GROUNDING BUSBAR
10. TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB), COPPER, 12"LX4"HX1/4"W WITH PRE-DRILLED HOLES FOR USE WITH STANDARD 2-HOLE LUGS AND INSULATING STAND-OFF MOUNT PROVIDING A MINIMUM OF 2" SEPARATION FROM WALL, MOUNT 18" AFF NEAR RESPECTIVE DATA RACK
11. TELECOMMUNICATIONS GROUNDING BUSBAR (TGB), COPPER, 12"LX2"HX1/4"W WITH PRE-DRILLED HOLES FOR USE WITH STANDARD 2-HOLE LUGS AND INSULATING STAND-OFF MOUNT PROVIDING A MINIMUM OF 2" SEPARATION FROM WALL, MOUNT 18" AFF NEAR RESPECTIVE DATA RACK
12. 3/0 INSULATED (GREEN) GROUNDING CONDUCTOR IN 2"C., INSTALL #6 BONDING JUMPER AT GROUNDING BUSBAR

NOTE: EACH TELECOMMUNICATIONS BONDING CONDUCTOR SHALL BE LABELED, LABELS SHALL BE LOCATED ON CONDUCTORS AS CLOSE AS PRACTICAL TO THEIR POINT OF TERMINATION IN A READABLE POSITION, SHALL BE NONMETALLIC, AND SHALL INCLUDE THE FOLLOWING INFORMATION: "IF THIS CONNECTOR OR CABLE IS LOOSE OR MUST BE REMOVED, PLEASE CALL THE BUILDING TELECOMMUNICATIONS MANAGER."

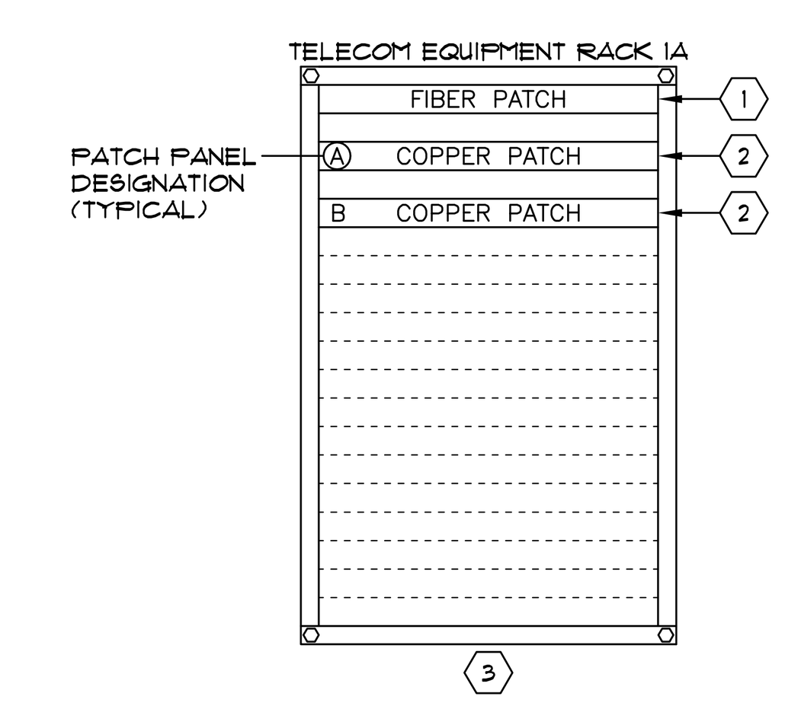
3 AUXILIARY RISER DIAGRAM
NO SCALE



1. LEVITON #5RIUM-S03 RACK MOUNT FIBER ENCLOSURE, LEVITON #5F100-6MT ADAPTER PLATES (ST MM/SM, 6-FIBER) AS REQUIRED, INSTALL LEVITON #5F100-PLT BLANK ADAPTER PLATES ON UNUSED PORTS
2. LEVITON #49255-H24 24 PORT PATCH PANEL W/ LEVITON ATLAS X1 JACKS AS REQUIRED (JACK TYPE AND COLOR TO MATCH OUTLET SERVED).
3. VERTICALLY-ORIENTED WALL MOUNT ENCLOSURE, HOFFMAN #DBL242412G (6RU) OR EQUAL W/ #DBDXK 15A DUPLEX OUTLET KIT

NOTES:
- VERIFY RACK EQUIPMENT LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- TELECOM RACK ELEVATION IS FOR ILLUSTRATION PURPOSES ONLY, COMMUNICATIONS CONTRACTOR TO PROVIDE ACTUAL QUANTITIES OF RACK EQUIPMENT AS REQUIRED.
- NO MORE THAN TWO (2) 24 PORT PATCH PANELS
- CONTRACTOR SHALL PROVIDE A 12" PATCH CORD FOR EACH PATCH PANEL TERMINATION, COLOR TO MATCH JACK COLOR.
- ALL CABLING SHALL BE INSTALLED IN A NEAT AN PROFESSIONAL MANNER

5 TELECOM EQUIPMENT RACK 2A ELEVATION
NO SCALE



1. LEVITON #5RIUM-S03 RACK MOUNT FIBER ENCLOSURE, LEVITON #5F100-6MT ADAPTER PLATES (ST MM/SM, 6-FIBER) AS REQUIRED, INSTALL LEVITON #5F100-PLT BLANK ADAPTER PLATES ON UNUSED PORTS
2. LEVITON #49255-H24 24 PORT PATCH PANEL W/ LEVITON ATLAS X1 JACKS AS REQUIRED (JACK TYPE AND COLOR TO MATCH OUTLET SERVED).
3. WALL MOUNT ENCLOSURE W/ WINDOW, HOFFMAN #EWMW362425 (19RU) OR EQUAL, FURNISH AND INSTALL COPPER GROUND BAR KIT

NOTES:
- VERIFY RACK EQUIPMENT LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- TELECOM RACK ELEVATION IS FOR ILLUSTRATION PURPOSES ONLY, COMMUNICATIONS CONTRACTOR TO PROVIDE ACTUAL QUANTITIES OF RACK EQUIPMENT AS REQUIRED.
- NO MORE THAN SEVEN (7) 24 PORT PATCH PANELS
- CONTRACTOR SHALL PROVIDE A 12" PATCH CORD FOR EACH PATCH PANEL TERMINATION, COLOR TO MATCH JACK COLOR.
- ALL CABLING SHALL BE INSTALLED IN A NEAT AN PROFESSIONAL MANNER

4 TELECOM EQUIPMENT RACK 1A ELEVATION
NO SCALE

ALABAMA LICENSED No. 18245 PROFESSIONAL ENGINEER RENDALL H. SMITH
02/05/26 #2559

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202 COUNTY ROAD 510, VERBENA, AL 36091

BID DOCUMENTS

DATE: 01/08/26
PROJ NO: 25-032

REVISIONS

#	DESC	DATE
1	ADD	02/05/26

AUXILIARY SYMBOLS & DETAILS

E300