ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS

Addendum Number One

Hart County High School Field House

Hartwell, Georgia
RLR Project No. 22248
September 10, 2026

TO: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the Bidding Documents by additions, deletions, clarifications or corrections. Where a portion of the Bidding Documents is modified by this Addendum, the unaltered portions of the Bidding Documents shall remain in effect. Acknowledge receipt of this Addendum on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Thirty Four (34) items.

CHANGES TO SPECIFICATIONS:

ITEM NO. 01
Replace the below listed specification sections in their entirety.

- 00 01 08 Table of Contents
- 08 71 00 Door Hardware
- 31 17 31 Aluminum Fence & Gate

CHANGES TO DRAWINGS:

ITEM NO. 2:
Replace sheet Cover Sheet

- Clarified index list of drawings.
- Clarified codes per Fire Marshall review comments.

ITEM NO. 3:
Replace sheet A1.1a SIDEWALK PLAN

- Clarified extents of sidewalk between existing field and new retaining wall.

ITEM NO. 4:
Replace sheet A1.1b SIDEWALK DETAILS

- Clarified framing for exterior stairs.

ITEM NO. 5:
Replace sheet A1.2a MAIN LEVEL FLOOR PLAN

- Clarified framing for exterior stairs.

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ITEM NO. 6:
Replace sheet A1.2c MAIN LEVEL REFLECTED CEILING PLAN
- Clarified framing for exterior stairs.

ITEM NO. 7:
Replace sheet A1.3a UPPER LEVEL FLOOR PLAN
- Clarified framing for exterior stairs.

ITEM NO. 8:
Replace sheet A1.3c UPPER LEVEL REFLECTED CEILING PLAN
- Clarified lighting fixtures on upper level mechanical mezzanine.

ITEM NO. 9:
Replace sheet A1.4 ROOF PLAN
- Clarified continuous ridge line on standing seam metal roof.

ITEM NO. 10:
Replace sheet A2.1 EXTERIOR ELEVATIONS
- Clarified continuous ridge line on standing seam metal roof.

ITEM NO. 11:
Replace sheet A2.2 EXTERIOR ELEVATIONS
- Clarified continuous ridge line on standing seam metal roof.

ITEM NO. 12:
Replace sheet A3.1 BUILDING SECTIONS
- Clarified metal stud framing elevation at mechanical mezzanine.

ITEM NO. 13:
Replace sheet S1.1-MAIN LEVEL FOUNDATION PLAN
- Clarified framing for exterior stairs.

ITEM NO. 14:
Replace sheet S2.1 - UPPER LEVEL FLOOR FRAMING PLAN
- Clarified framing for exterior stairs.

ITEM NO. 15:
Replace sheet S2.4-ROOF FRAMING PLANS
- Clarified continuous ridge and roof slope for the standing seam metal roof.

ITEM NO. 16:
Replace sheet S3.3-FOUNDATION SECTIONS & DETAILS
- Clarified framing for exterior stairs.

ITEM NO. 17:
Replace sheet S4.5-FRAMING SECTIONS & DETAILS
- Clarified framing for exterior stairs.

ITEM NO. 18:
Replace sheet E1.1 LIGHTING PLANS
- Clarified lighting fixture mounting detail and revised keynotes.

ITEM NO. 19:
Replace sheet E2.1 POWER PLANS
- Clarified branch circuits for ice makers.

ITEM NO. 20:
Replace sheet E3.1 FIRE ALARM PLANS
- Clarified fire alarm layout. .

ITEM NO. 21:
Replace sheet E4.1 LOW VOLTAGE PLANS
- Clarified door access readers locations.
- Revised AV system requirements.

ITEM NO. 22:
Replace sheet E5.1 ONE-LINE DIAGRAM, DETAILS, AND SCHEDULES
- Add lighting fixtures on arches.
- Revised branch circuits for ice makers.

ITEM NO. 23:
Replace sheet E6.1 ELECTRICAL LEGEND, AND DETAILS
- Clarified Electrical Legend

ITEM NO. 24:
Replace sheet E7.1 ELECTRICAL SITE PLANS
- Add lighting fixtures on arches.

ITEM NO. 25:
Replace sheet C-0 DEMO PLAN
- Clarified demolition extents of sidewalk at existing field.

ITEM NO. 26:
Replace sheet C-1 SITE PLAN
- Clarified notes and extents of sidewalk of existing field.

ITEM NO. 27:
Replace sheet C-2 GRADING PLAN A
- Clarified extents of existing storm piping and routing from new piping.

ITEM NO. 28:
Replace sheet C-2.1 GRADING PLAN B
- Clarified extents of sidewalk paving at existing field.

ITEM NO. 29:
Replace sheet C-3 UTILITY PLAN
- Clarified extents of existing storm piping and routing from new piping.

ITEM NO. 30:
Replace sheet C-4.1 ESPC PLAN PHASE I
- Clarified extents of erosion control limits.

ITEM NO. 31:
Replace sheet C-4.2 ESPC PLAN PHASE II
- Clarified extents of erosion control limits.

ITEM NO. 32:
Replace sheet C-4.3 ESPC PLAN PHASE III
- Clarified extents of erosion control limits.

ITEM NO. 33:
Replace sheet C-5 PROFILES
- Clarified pipe profiles.

ITEM NO. 34:
Replace sheet C-6.1 DETAILS
- Clarified details for decorative aluminum fencing.

END OF ADDENDUM #1

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HARTWELL, GEORGIA

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END OF DOCUMENT 00 10 08

SECTION 08 71 00 - DOOR HARDWARE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Hardware for wood, Aluminum, and hollow metal doors.

B. Hardware for fire-rated doors.

C. Lock cylinders for doors with balance of hardware specified in other sections.

D. Thresholds.

E. Weatherstripping and gasketing.

1.02 RELATED REQUIREMENTS

A. Section 08 11 13 - Hollow Metal Doors and Frames.

B. Section 08 11 16 - Aluminum Doors and Frames.

C. Section 08 12 13 - Hollow Metal Frames.

D. Section 08 14 16 - Flush Wood Doors.

E. Section 08 43 13 - Aluminum-Framed Storefronts: Door hardware, except as noted in section.

F. Section 10 14 00 - Signage: Additional signage requirements.

G. Section 10 26 00 - Wall and Door Protection: Door and frame protection.

1.03 REFERENCE STANDARDS

A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.

B. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2019.

C. BHMA A156.1 - Standard for Butts and Hinges; 2021.

D. BHMA A156.2 - Bored and Preassembled Locks and Latches; 2022.

E. BHMA A156.3 - Exit Devices; 2020.

F. BHMA A156.4 - Door Controls - Closers; 2019.

G. BHMA A156.5 - Cylinders and Input Devices for Locks; 2020.

H. BHMA A156.6 - Standard for Architectural Door Trim; 2021.

I. BHMA A156.7 - Template Hinge Dimensions; 2016.

J. BHMA A156.8 - Door Controls - Overhead Stops and Holders; 2021.

K. BHMA A156.16 - Auxiliary Hardware; 2018.

L. BHMA A156.18 - Materials and Finishes; 2020.

M. BHMA A156.21 - Thresholds; 2019.

N. BHMA A156.22 - Standard for Gasketing; 2021.

O. BHMA A156.26 - Standard for Continuous Hinges; 2021.

P. BHMA A156.28 - Standard for Recommended Practices for Mechanical Keying Systems; 2018.

Q. BHMA A156.115 - Hardware Preparation in Steel Doors and Steel Frames; 2016.

R. BHMA A156.115W - Hardware Preparation in Wood Doors with Wood or Steel Frames; 2006.

S. DHI (H&S) - Sequence and Format for the Hardware Schedule; 2019.

T. DHI (KSN) - Keying Systems and Nomenclature; 2019.

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U. DHI (LOCS) - Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames; 2004.

V. DHI WDHS.3 - Recommended Locations for Architectural Hardware for Flush Wood Doors; 1993; also, in WDHS-1/WDHS-5 Series, 1996.

W. ICC (IBC) - International Building Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

X. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

Y. ISO 9001 - Quality Management Systems — Requirements; 2015.

Z. ITS (DIR) - Directory of Listed Products; Current Edition.

AA. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

BB. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2022.

CC. NFPA 101 - Life Safety Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

DD. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies; 2022.

EE. UL (DIR) - Online Certifications Directory; Current Edition.

FF. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies; Current Edition, Including All Revisions.

GG. UL 1784 - Standard for Air Leakage Tests of Door Assemblies; Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.

B. Sequence installation to ensure facility services connections are achieved in an orderly and expeditious manner.

C. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; require attendance by affected installers and the following:
   1. Architect.
   2. Installer's Architectural Hardware Consultant (AHC).
   3. Hardware Installer.

D. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.

E. Keying Requirements Meeting:
   1. Attendance Required:
      a. Contractor.
      b. Owner.
      c. Installer's Architectural Hardware Consultant (AHC).
      d. Manufacturer Representative / Key System Consultant.
   2. Agenda:
      a. Establish keying requirements.
      b. Verify locksets and locking hardware are functionally correct for project requirements.
      c. Verify that keying and programming complies with project requirements.
      d. Establish keying submittal schedule and update requirements.
   3. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:
      a. Flow of traffic and extent of security required.
   4. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

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5. Deliver established keying requirements to manufacturers.

1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions, finishes, and dimensions and profiles of individual components.

C. Shop Drawings - Door Hardware Schedule: A detailed listing that includes each item of hardware to be installed on each door.
   1. Prepared by or under supervision of Architectural Hardware Consultant (AHC).
   2. Comply with DHI (H&S) using door numbering scheme and hardware set numbers as indicated in Contract Documents.
      a. Submit in vertical format.
   3. Include complete description for each door listed.

D. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

E. Manufacturer's qualification statement.

F. Installer's qualification statement.

G. Supplier's qualification statement.

H. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
   1. Include manufacturer's parts lists and templates.

I. Keying Schedule:
   1. Submit three (3) copies of Keying Schedule in compliance with requirements established during Keying Requirements Meeting unless otherwise indicated.

J. Warranty: Submit manufacturer's warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

K. Project Record Documents: Record actual locations of concealed equipment, services, and conduit.

L. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
   1. See Section 01 60 00 - Product Requirements, for additional provisions.
   2. Tools: One set of each special wrench or tool applicable for each different or special hardware component, whether supplied by hardware component manufacturer or not.

1.06 QUALITY ASSURANCE

A. Standards for Fire-Rated Doors: Maintain one copy of each referenced standard on site, for use by Architect and Contractor.

B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years of documented experience.

C. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least five years of documented experience.

D. Supplier Qualifications: Company with certified Architectural Hardware Consultant (AHC) to assist in work of this section.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

1.08 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

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B. Manufacturer Warranty: Provide manufacturer warranty against defects in material and workmanship for period indicated, from Date of Substantial Completion. Complete forms in Owner's name and register with manufacturer.
   1. Closers: Thirty-five years, minimum.
   2. Exit Devices: Five years, minimum.
   3. Locksets: Ten years, minimum.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.

B. Provide individual items of single type, of same model, and by same manufacturer.

C. Locks: Provide a lock for each door, unless it is indicated that lock is not required.
   1. Lock Function: Provide lock and latch function numbers and descriptions of manufacturer's Series. As indicated in hardware sets.
   2. Trim: Provide lever handle or pull trim on outside of each lock, unless otherwise indicated.
   3. Strikes:
      a. Finish: To match lock or latch.
      b. Curved-Lip Strikes: Provide as standard, with extended lip to protect frame, unless otherwise indicated.

D. Closers:
   1. Provide door closer on each exterior door, unless otherwise indicated.
   2. Provide door closer on each fire-rated and smoke-rated door.
   3. Spring hinges are not an acceptable self-closing device, unless otherwise indicated.

E. Overhead Stops and Holders (Door Checks):
   1. Provide stop for every swinging door, unless otherwise indicated.
   2. Overhead Stop is not required if positive stop feature is specified for door closer; positive stop feature of door closer is not an acceptable substitute for a stop, unless otherwise indicated.
   3. Overhead stop is not required if a floor or wall stop has been specified for the door.

F. Drip Guards: Provide at head of out swinging exterior hollow metal doors unless protected by roof or canopy directly overhead.

G. Thresholds:
   1. Exterior Applications: Provide at each exterior door, unless otherwise indicated.

H. Weatherstripping and Gasketing:
   1. Provide weatherstripping on each exterior door at head, jambs, and meeting stiles of door pairs, unless otherwise indicated.
   2. Provide door bottom sweep on each exterior door, unless otherwise indicated.

I. Fasteners:
   1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
      a. Aluminum fasteners are not permitted.
      b. Provide Phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.
   2. Provide machine screws for attachment to reinforced hollow metal and aluminum frames.
      a. Self-drilling (Tek) type screws are not permitted.
   3. Provide stainless steel machine screws and lead expansion shields for concrete and masonry substrates.
   4. Provide wall grip inserts for hollow wall construction.
   5. Fire-Resistance-Rated Applications: Comply with NFPA 80.

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a. Provide wood or machine screws for hinges mortised to doors or frames, strike plates to frames, and closers to doors and frames.
b. Provide steel through bolts for attachment of surface mounted closers, hinges, or exit devices to door panels unless proper door blocking is provided.

2.02 PERFORMANCE REQUIREMENTS

A. Provide door hardware products that comply with the following requirements:
1. Applicable provisions of federal, state, and local codes.
2. Accessibility: ADA Standards and ICC A117.1.
3. Fire-Resistance-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
4. Hardware on Fire-Resistance-Rated Doors: Listed and classified by UL (DIR) or ITS (DIR) as suitable for application indicated.
5. Hardware for Smoke and Draft Control Doors (Indicated as "S" on Drawings): Provide door hardware that complies with local codes, and requirements of assemblies tested in accordance with UL 1784.
6. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
7. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.

2.03 HINGES

A. Manufacturers: Conventional butt hinges.
1. BEST; dormakaba Group: www.bestaccess.com/#sle.
2. McKinney.
3. PBB.
4. National Guard Products. (Continuous Hinges)

B. Properties:
1. Butt Hinges: As applicable to each item specified.
a. Standard Weight Hinges: Minimum of two (2) permanently lubricated non-detachable bearings.
b. Heavy Weight Hinges: Minimum of four (4) permanently lubricated bearings on heavy weight hinges.
c. Template screw hole locations.
d. Bearing assembly installed after plating.
e. Bearings: Exposed fully hardened bearings.
f. Bearing Shells: Shapes consistent with barrels.
g. Pins: Easily seated, non-rising pins.
1) Fully plate hinge pins.
2) Non-Removable Pins: Slotted stainless steel screws.
h. UL 10C listed for fire-resistance-rated doors.
2. Continuous Hinges: As applicable to each item specified.
a. Geared Continuous Hinges: As applicable to each item specified.
1) Non-handed.
2) Anti-spinning through-fastener.
3) UL 10C listed for fire-resistance-rated doors.
(a) Metal Door Installation: Rated up to 90 minutes.
(b) Wood Door Installation: Rated up to 60 minutes.
4) Sufficient size to permit door to swing 180 degrees

C. Sizes: See Door Hardware Schedule.
1. Hinge Widths: As required to clear surrounding trim.
2. Sufficient size to allow 180-degree swing of door.

D. Finishes: See Door Hardware Schedule.
1. Fully polished hinges; front, back, and barrel.

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E. Grades:
   1. Butt Hinges: Comply with BHMA A156.1 and BHMA A156.7 for templated hinges.
   2. Continuous Hinges: Comply with BHMA A156.26, Grade 1.

F. Material: Base metal as indicated for each item by BHMA material and finish designation.

G. Types:
   1. Butt Hinges: Include full mortise hinges.
   2. Continuous Hinges: Include Aluminum geared hinges.

H. Quantities:
   1. Butt Hinges: Three (3) hinges per leaves up to 90 inches in height. Add one (1) for each additional 30 inches in height or fraction thereof.
      a. Hinge weight and size unless otherwise indicated in hardware sets:
         1) For doors up to 36 inches wide and up to 1-3/4 inches thick provide hinges with a minimum thickness of 0.134 inch and a minimum of 4-1/2 inches in height.
         2) For doors from 36 inches wide up to 42 inches wide and up to 1-3/4 inches thick provide hinges with a minimum thickness of 0.145 inch and a minimum of 4-1/2 inches in height.
         3) For doors from 42 inches wide up to 48 inches wide and up to 1-3/4 inches thick provide hinges with a minimum thickness of 0.180 inch and a minimum of 5 inches in height.
         4) For doors greater than 1-3/4 inches thick provide hinges with a minimum thickness of 0.180 inch and a minimum of 5 inches in height.
   2. Continuous Hinges: One per door leaf.

I. Applications: At swinging doors.
   1. Provide non-removable pins at out-swinging doors with locking hardware and all exterior doors.

J. Products:
   1. Butt Hinges:
      a. Ball Bearing, Five (5) Knuckle. FBB Series.
   2. Continuous Hinges:
      a. Aluminum geared hinges. NGP, HD1100, HD2700 Series

2.04 BOLTS

A. Manufacturers:
   1. Trimco: www.trimcohardware.com/#sle.
   2. ABH.
   3. Rockwood.

B. Properties:
   1. Flush Bolts:
      a. Pairs of Swing Doors: At inactive leaves, provide flush bolts of type as required to comply with code.
      b. Manual Flush Bolts: Manually latching upon closing of door leaf.
         1) Bolt Throw: 3/4 inch, minimum.
      c. Automatic Flush Bolts: Automatically latching upon closing of door leaf.
         1) Bolt Throw: 3/4 inch, minimum.
      d. Header and Threshold Bolts: Bolt extended or retracted by turning key or thumb turn actuating dead bolt.
         1) Bolt Throw: 5/8", minimum.
   2. Dustproof Strikes: For bolting into floor, provide except at metal thresholds.

C. Options:
   1. Extension Bolts: In leading edge of door, one bolt into floor, one bolt into top of frame.

D. Products:

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1. Manual flush bolts. Trimco 3900 Series
2. Header and Threshold bolts. Adams Rite 4015, 4016, 4085

2.05 EXIT DEVICES

A. Manufacturers:
1. dormakaba; dormakaba Group: www.dormakaba.com/us-en/#sle.
2. BEST, dormakaba Group: www.bestaccess.com/#sle.
3. Sargent.

B. Properties:
1. Actuation: Push Pad.
2. Chassis:
   a. Construction: Investment cast steel, zinc dichromate plated.
   b. Compatibility: Standard Stile and Narrow Stile doors.
3. Touchpads: 'T" style metal touchpads and rail assemblies with matching chassis covers end caps.
4. Latch Bolts: Stainless steel deadlocking with 3/4-inch projection using latch bolt.
5. Lever Design: Match project standard lockset trims.
6. Cylinder: Include where cylinder dogging or locking trim is indicated.
7. Strike as recommended by manufacturer for application indicated.
8. Sound dampening on touch bar.
9. Dogging:
   a. Non-Fire-Resistance-Rated Devices: Cylinder dogging.
   b. Fire-Resistance-Rated Devices: Manual dogging not permitted.
10. Touch bar assembly on wide style exit devices to have a 1/4-inch clearance to allow for vision frames.
11. All exposed exit device components to be of architectural metals and “true” architectural finishes.
12. Handing: Field-reversible.
13. Fasteners on Back Side of Device Channel: Concealed - exposed fasteners not allowed.
14. Vertical Latch Assemblies' Operation: Gravity, without use of springs.
15. Electrified Trim: See hardware sets. Verify exit device compatibility with exit trim manufacturer (Salto Systems, S.L.)

C. Grades: Complying with BHMA A156.3, Grade 1.

D. Products:
1. dormakaba, 9000 Series.
2. Electrified Exit Device Trim: (Salto X4S)

2.06 REMOVABLE MULLIONS

A. Manufacturers:
1. dormakaba.
2. BEST.
3. Sargent.

B. Properties:
1. Rectangular shape 3 inches by 2 inches tubes with minimum 1/8 inch wall thickness.
2. Furnished by the same manufacturer as exit devices.
3. Spacers: Provide as required for proper installation, based on frame profile and dimensions.

C. Grades: Complying with BHMA A156.3.

D. Materials: Manufacturer's standard for items specified.
1. Top and Bottom Brackets: Investment-cast steel.

E. Options:

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1. Furnish Keyed Removable “KR” feature and corresponding cylinders as specified.
   a. Mullions capable of being installed without physical key present.
   b. Physical key required to operate.

F. Applications: As indicated on drawings and in Door Hardware Schedule.

G. Products:
1. dormakaba, 1300 Series.

2.07 LOCK CYLINDERS

A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
2. Substitutions: Not permitted.

B. Properties:
1. Lock Cylinders: Provide key access on outside of each lock, unless otherwise indicated.
   a. Provide cylinders from same manufacturer as locking device.
   b. Provide cams and/or tailpieces as required for locking devices.
   c. Provide cylinders with appropriate format interchangeable cores where indicated.

C. Grades:
1. Standard Security Cylinders: Comply with BHMA A156.5.

D. Material:
1. Manufacturer's standard corrosion-resistant brass alloy.

E. Types: As applicable to each item specified.
1. Standard security small format interchangeable core (SFIC) type cylinders, with seven-pin, CORMAX cores.

F. Products:
1. Rim/mortise. 12E / 1E.

2.08 CYLINDRICAL LOCKS

A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
2. Salto (Electrified Cylindrical Locks Only)
3. Substitutions: Not permitted.

B. Properties:
1. Mechanical Locks:
   a. Fitting modified ANSI A115.2 door preparation.
   b. Door Thickness Fit: 1-3/8 inches to 2-1/4 inches thick doors.
   c. Construction: Hub, side plate, shrouded rose, locking pin to be a one-piece casting with a shrouded locking lug.
      1) Through-bolted anti-rotational studs.
   d. Cast stainless steel latch retractor with roller bearings for exceptionally smooth operation and superior strength and durability.
   e. Bored Hole: 2-1/8 inch diameter.
   f. Backset: 2-3/4 inches unless otherwise indicated.
   g. Latch: Single piece tail-piece construction.
      1) Latchbolt Throw: 9/16 inch, minimum.
   h. Cylinders:
      1) Cylinder Core Types: Locks capable of supporting manufacturers' cores, as applicable.
         (a) Small format interchangeable.
   i. Lever Trim:
      1) Style: See Door Hardware Schedule.

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2) Functionality: Allow the lever handle to move up to 45 degrees from horizontal position prior to engaging the latchbolt assembly.
3) Strength: Locksets outside locked lever designed to withstand minimum1,400 inch-lbs. of torque. In excess of that, a replaceable part will shear. Key from outside and/or inside lever will still operate lockset.
4) Independent spring mechanism for each lever.
   (a) Contain lever springs in the main lock hub.
5) Outside Lever Sleeve: Seamless one-piece construction.
6) Keyed Levers: Removable only after core is removed by authorized control key.

C. Finishes: See Door Hardware Schedule.
   1. Core Faces: Match finish of lockset.

D. Grades: Comply with BHMA A156.2, Grade 1, Series 4000, Operational Grade 1, Extra Heavy Duty.
   1. Durability: Passing 50 million cycle tests verified by third party testing agency.

E. Material: Manufacturer's standard for specified lock.
   1. Critical Latch and Chassis Components: Brass or corrosion-resistance treated steel.
   2. Outside Lever Sleeve: Hardened steel alloy.

F. Products: Cylindrical locks, including mechanical types.
   1. Mechanical: Best 9K.
   2. Electric: Salto XS4

2.09 NARROW STILE DEADLATCHES

A. Manufacturers:
   1. Adams Rite.

B. Properties:
   1. Door Thickness Fit: 1-3/8 inch to 2-1/4 inch thick doors.
   2. Cases:
      a. Material: Steel with corrosion-resistant plating.
      b. Depth: Varies, commensurate with backset dimension.
   3. Backset: 7/8 inch, unless otherwise noted.
   4. Latch: Single piece tail-piece construction.
   5. Auxiliary Deadlatch: One piece stainless steel, permanently lubricated.
   6. Cylinders: Provide mortise cylinders.
   7. Faceplates: Manufacturer's standard for lock selected and door edge condition.
   8. Trim: See Door Hardware Schedule.

C. Products: Adams Rite MS1850S

2.10 DOOR PULLS AND PUSH PLATES

A. Manufacturers:
   1. Trimco: www.trimcohardware.com/#sle.
   2. Burns.
   3. Rockwood.

B. Properties:
   1. Pull Type: Straight, unless otherwise indicated.
   2. Push Plate Type: Flat, with square corners, unless otherwise indicated.
      a. Edges: Beveled, unless otherwise indicated.

C. Grades: Comply with BHMA A156.6.

D. Material: Stainless steel, unless otherwise indicated.

E. Products:
   1. Push-Pull Plates. Trimco 1191

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2.11 DOOR PULLS AND PUSH BARS

A. Manufacturers:
1. Trimco: www.trimcohardware.com/#sle.
2. Burns.
3. Rockwood.

B. Properties:
1. Bar Type: Bar set, unless otherwise indicated.
2. Pulls and Handles:
a. Tubular Bars:
1) Bar Diameter: 1 inch.

C. Grades: Comply with BHMA A156.6.

D. Material: Stainless steel, unless otherwise indicated.

E. Products:
1. Push and Pull Bars. Trimco 1737.

2.12 CLOSERS

A. Manufacturers:
1. dormakaba; dormakaba Group: www.dormakaba.com/us-en/#sle.
2. BEST.
3. Sargent.

B. Properties:
1. Surface Mounted Closers: Manufacturer's standard.
a. Body Construction: Corrosion-resistant Silicone Aluminum alloy.
b. Maximum Projection from Face of Door: 2-7/16 inches.
c. Mechanism: Separate tamper-resistant adjusting valves for closing and latching speeds.
d. Hydraulic Fluid: All-weather type.
e. Arm Assembly: Standard for product specified.
1) Include hold-open, integral stop, or spring-loaded stop feature, as specified in Door Hardware Schedule.
2) Parallel arm to be a heavy-duty rigid arm.
3) Where “IS” or “S-IS” arms are specified in hardware sets, if manufacturer does not offer this arm provide a regular arm mount closer in conjunction with a heavy-duty overhead stop equal to a dormakaba 900 Series.
f. Covers:
1) Type: Standard for product selected.
(a) Full.
2) Material: Plastic.
3) Finish: Painted.

C. Grades:
1. Closers: Comply with BHMA A156.4, Grade 1.
a. Underwriters Laboratories Compliance:
1) Product Listing: UL (DIR) and ULC for use on fire-resistance-rated doors.
(a) UL 228 - Door Closers-Holders, With or Without Integral Smoke Detectors.
b. Testing Standards Compliance: Meeting requirements of UL 10C for positive pressure.

D. Code Compliance: As required by authorities having jurisdiction in the State in which the Project is located.
1. Devices listed with California Department of Forestry and Fire Protection, Office of the State Fire Marshal.

E. Types:

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1. Rack-and-pinion, surface-mounted. 1-1/2 inches minimum bore.

F. Options:
1. Delayed action, adjustable with an independent valve.
2. Advanced backcheck.
3. Adjustable for force or angle of opening hold open.

G. Installation:
1. Mounting: Includes surface mounted installations.
2. Mount closers on non-public side of door and stair side of stair doors unless otherwise noted in hardware sets.
3. At out swinging exterior doors, mount closer on interior side of door.
4. Provide adapter plates, shim spacers, and blade stop spacers as required by frame and door conditions.
5. Where an overlapping astragal is included on pairs of swinging doors, provide coordinator to ensure door leaves close in proper order.

H. Products:
1. Surface Mounted:
a. dormakaba 8900.

2.13 OVERHEAD STOPS AND HOLDERS

A. Manufacturers:
1. dormakaba; dormakaba Group: www.dormakaba.com/us-en/#sle.
2. Architectural Builders Hardware Mfg. (ABH): www.abhmfg.com/#sle.
3. Rixson.

B. Sizes: Manufacturer's standard for the application.

C. Finishes:
1. Arms and Brackets: Zinc-plated.

D. Grades: As applicable to item specified.
1. Comply with BHMA A156.8, Grade 1.

E. Material: Base metal as indicated for each item by BHMA material and finish designation.
1. Track Channel: Extruded aluminum alloy.
2. Slide Block: Machined from solid brass alloy.

F. Types:
1. Surface-applied.

G. Products:
1. Surface Overhead Stops and Holders:
a. dormakaba 700 Standard Duty.

2.14 PROTECTION PLATES

A. Manufacturers:
1. Trimco: www.trimcohardware.com/#sle.
2. Burns.
3. Rockwood.

B. Properties:
1. Plates:
a. Armor Plates: Provide on bottom half of push side of doors, where indicated.
1) Size: 36 inches high by 2 inches less than door width (LDW) on push side of door; 1 inch LDW on pairs of doors with no mullion.
b. Kick Plates: Provide along bottom edge of push side of each door, where indicated.
1) Size: 10 inches high by 2 inches less than door width (LDW) on push side of each door; 1 inch LDW on pairs of doors with no mullion.

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c. Mop Plates: Provide along bottom edge of pull side of each door, where indicated.
1) Size: 6 inch high by 1 inch less than door width (LDW) on pull side of door.
d. Edges: Beveled, on four (4) unless otherwise indicated.

C. Grades: Comply with BHMA A156.6.

D. Material: As indicated for each item by BHMA material and finish designation.
1. Metal Properties: Stainless steel.
a. Metal, Standard Duty: Thickness 0.050 inch, minimum.

E. Installation:
1. Fasteners: Countersunk screw fasteners

F. Products:
1. Trimco KA050, K0050, KM050.

2.15 STOPS AND HOLDERS

A. Manufacturers:
1. Trimco: www.trimcohardware.com/#sle.
2. Burns.
3. Rockwood.

B. General: Provide overhead stop/holder when wall or floor stop, or closer arm width is not feasible.

C. Grades:
1. Wall Stops: Comply with BHMA A156.16 and Resilient Material Retention Test as described in this standard.

D. Material: Base metal as indicated for each item by BHMA material and finish designation.

E. Types:
1. Wall Stops: Bumper, concave, wall stop.

F. Installation:
1. Non-Masonry Walls: Confirm adequate wall reinforcement has been installed to allow lasting installation of wall bumpers.

G. Products:
1. Wall Stops. Trimco 1270CVSV

2.16 THRESHOLDS

A. Manufacturers:
1. National Guard Products, Inc: www.ngpinc.com/#sle.
2. Reese.
3. Zero.

B. Properties:
1. Threshold Surface: Fluted horizontal grooves across full width.

C. Grades: Thresholds: Comply with BHMA A156.21.

D. Types: As applicable to project conditions. Provide barrier-free type at every location where specified.
1. Saddle Thresholds: Without thermal break.
2. Bumper Seal Thresholds with Gasket: Use Silicone gaskets.

E. Products:
1. NGP 896S, 513, 425.

2.17 WEATHERSTRIPPING AND GASKETING

A. Manufacturers:
1. National Guard Products, Inc: www.ngpinc.com/#sle.
2. Reese.

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3. Zero.

B. Properties:
1. Weatherstripping Air Leakage Performance: Not exceeding 0.3 cfm/sq ft of door opening at 0.3 inches of water pressure differential for single doors, and 0.5 cfm/sq ft of door area at 0.3 inches of water pressure differential for double doors for gasketing other than smoke control, as tested according to ASTM E283/E283M; with resilient or flexible seal strips that are easily replaceable and readily available from stocks maintained by manufacturer.
2. Adhesive-Backed Perimeter Gasketing: Silicone gasket material applied to frame with self- adhesive.
3. Rigid, Housed, Perimeter Gasketing: Sponge Silicone gasket material held in place by aluminum housing; fastened to frame stop with screws.
4. Door Sweeps: Neoprene gasket material held in place by flat aluminum housing or flange; surface mounted to face of door with screws.
5. Door Shoes: Thermoplastic elastomer gasket material held in place by metal retainer; mounted to bottom edge of door with screws.
   a. Mounting: Surface mounted on bottom edge of door.
   b. Extended Housing: One side of door.

C. Grades: Comply with BHMA A156.22.

D. Products:
1. Weatherstripping: See Door Hardware Schedule.
2. Smoke Seals: See Door Hardware Schedule.
3. Door Bottom Seals:
   a. Door Sweeps: See Door Hardware Schedule.
   b. Door Bottoms: See Door Hardware Schedule.
   c. Door Shoes: See Door Hardware Schedule.

2.18 MISCELLANEOUS ITEMS

A. Manufacturers:
1. Trimco: www.trimcohardware.com/#sle.
2. Burns.
3. Rockwood.

B. Properties:
1. Silencers: Provide at equal locations on door frame to mute sound of door's impact upon closing.
   a. Single Door: Provide three on strike jamb of frame.
   b. Pair of Doors: Provide two on head of frame, one for each door at latch side.
   c. Material: Rubber, gray color.

C. Products:
1. Silencers.
   a. Trimco 1229A.

2.19 KEYS AND CORES

A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
2. Substitutions: Not permitted.

B. Properties: Complying with guidelines of BHMA A156.28.
1. Provide small format interchangeable core.
2. Provide Patented CORMAX keys and cores.
3. Provide keying information in compliance with DHI (KSN) standards.

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4. Keying Schedule: Arrange for a keying meeting, with Architect, Owner and hardware supplier, and other involved parties to ensure locksets and locking hardware, are functionally correct and keying complies with project requirements.
5. Keying: Grand master keyed.
6. Include construction keying and control keying with removable core cylinders.
7. Key to existing keying system.
8. Supply keys in following quantities:
   a. Grand Master Keys: 1 each.
   b. Master Keys: 4 each.
   c. Construction Master Keys: 6 each.
   d. Construction Keys: 15 each.
   e. Construction Control Keys: 2 each.
   f. Control Keys if New System: 2 each.
   g. Change Keys: 2 each for each keyed core.
9. Provide key collection envelopes, receipt cards, and index cards in quantity suitable to manage number of keys.
10. Deliver keys with identifying tags to Owner by security shipment direct from manufacturer.
11. Permanent Keys and Cores: Stamped with applicable key marking for identification. Do not include actual key cuts within visual key control marks or codes. Stamp permanent keys "Do Not Duplicate."
12. Include installation of permanent cores and return construction cores to hardware supplier. Construction cores and keys to remain property of hardware supplier.

C. Products:
   1. Patented:
      a. CORMAX.

2.20 FINISHES

A. Finishes: Identified in Hardware Sets.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.

B. Correct all defects prior to proceeding with installation.

C. Verify that electric power is available to power operated devices and of correct characteristics.

3.02 INSTALLATION

A. Install hardware in accordance with manufacturer's instructions and applicable codes.

B. Install hardware using the manufacturer’s fasteners provided. Drill and tap all screw holes located in metallic materials. Do not use “Riv-Nuts” or similar products.

C. Install hardware on fire-rated doors and frames in accordance with applicable codes and NFPA 80.

D. Use templates provided by hardware item manufacturer.

E. Do not install surface mounted items until application of finishes to substrate are fully completed.

F. Wash down masonry walls and complete painting or staining of doors and frames.

G. Complete finish flooring prior to installation of thresholds.

H. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list, unless noted otherwise in Door Hardware Schedule or on drawings.

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1. For Steel Doors and Frames: Install in compliance with DHI (LOCS) recommendations.
2. For Steel Door Frames: See Section 08 12 13.
3. For Aluminum-Framed Storefront Doors and Frames: See Section 08 43 13.
4. For Wood Doors: Install in compliance with DHI WDHS.3 recommendations.
5. Flush Wood Doors: See Section 08 14 16.
6. Mounting heights in compliance with ADA Standards and manufacturers' recommended installation heights:

I. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal. Anchor thresholds with stainless steel countersunk screws.

J. Include in installation for existing doors and frames any necessary field modification and field preparation of doors and frames for new hardware. Provide necessary fillers, reinforcements, and fasteners for mounting new hardware and to cover existing door and frame preparations.

3.03 FIELD QUALITY CONTROL

A. Perform field inspection and testing under provisions of Section 01 40 00 - Quality Requirements.

3.04 ADJUSTING

A. Adjust work under provisions of Section 01 70 00 - Execution and Closeout Requirements.

B. Adjust hardware for smooth operation.

C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

3.05 CLEANING

A. Clean finished hardware in accordance with manufacturer's written instructions after final adjustments have been made.

B. Clean adjacent surfaces soiled by hardware installation activities.

C. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.

D. See Section 01 74 19 - Construction Waste Management and Disposal, for additional requirements.

3.06 PROTECTION

A. Protect finished Work under provisions of Section 01 70 00 - Execution and Closeout Requirements.

B. Do not permit adjacent work to damage hardware or finish.

3.07 HARDWARE SETS

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Manufacturer List

Code:	Name:
A-R	Adams Rite
BES	BEST
DK	dormakaba
DKA	dormakaba Architectural
NGP	National Guard Products
TRI	Trimco Hardware
SAL	Salto

Option List

Code:	Name:
CVSV	Cast, Concave, School Version
486	Roller Strike
DP89	Drop Plate
B4E	Beveled 4 edges
CD	Cylinder Dogging (Includes cylinder)
S3B	Strike With Plastic Box
PATD	Patented keyed core
S3	ANSI 4 7/8" Strike
BSHD	Blade Stop Heavy Duty
LDW	Less than Door Width
4" ODW	4" Over Door Width
10-24 SS MS/LA	10-24 Stainless Steel Mach. Screw/Lead Anchor
Head & Jambs (2)	Provide at the head and both jambs
LAR	Length as Required
NRP	Non-Removable Pin
CSK	Counter Sunk Holes

Finish list

Code:	Name:
A	Anodized Aluminum
B	Brown
26D	Satin Chromium Plated
32D	Satin Stainless Steel
US27	Mill Aluminum Finish
600	Primer
603	Zinc Plated Steel
628	Clear Anodized Aluminum
626	Satin Chromium Plated
630	Satin Stainless Steel
689	Aluminum Painted

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HARDWARE SETS

Set #1 - EXT.ALUM.

Doors: B01A2

1	Continuous Hinge	HD1100	A	NGP
1	Exit Device	9300 B SNB CD	630	DKA
1	Rim Cylinder	12E 7 2 PATD RP	626	BES
1	Mortise Cylinder	1E 7 4 C4 RP3 PATD	626	BES
1	Pull	1191 3	630	TRI
1	Door Closer	8916 SDS DP89 BSHD	689	DKA
1	Gasketing	Provided by Aluminum Door Manufacturer		
1	Sweep	C627	A	NGP
1	Threshold	425	A	NGP

Set #2 - EXT.ALUM. / SALTO TRIM

Doors: A01A1, A01A3, B15A1

*Unless noted otherwise, Salto devices to be provided by owner.

1	Continuous Hinge	HD1100	A	NGP
1	Exit Device	9300 B CD	630	DKA
1	Salto Exit Device Conv. Kit	KPB19		SAL
1	Salto Elec. Exit Trim	Ai650m00ffH8		SAL
1	Mortise Cylinder	1E 7 4 C4 RP3 PATD	626	BES
1	Door Closer	8916 SDS DP89 BSHD	689	DKA
1	Gasketing	Provided by Aluminum Door Manufacturer		
1	Sweep	C627	A	NGP
1	Threshold	425	A	NGP

Set #3 - EXT.ALUM / SALTO XS4

Doors: A03A1, A06B1

1	Continuous Hinge	HD1100	A	NGP
1	Elec. Cylindrical Lock	XS4 MINI	US32D	SAL
1	Door Closer	8916 SDS DP89 BSHD	689	DKA
1	Gasketing	Provided by Aluminum Door Manufacturer		
1	Sweep	C627	A	NGP
1	Threshold	425	A	NGP

NOTE: Verify desired Salto Lock type with Owner. Provide lever to match other cylindrical locks specified in other hardware sets.

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Set #4 - EXT.ALUM.

Doors: A11A1

1	Continuous Hinge	HD1100	A	NGP
1	Cylindrical Lock	9K 3 7 D 15 D S3B PATD	626	BES
1	Door Closer	8916 SDS DP89 BSHD	689	DKA
1	Gasketing	Provided by Aluminum Door Manufacturer		
1	Sweep	C627	A	NGP
1	Threshold	425	A	NGP

Set #5 - EXT.ALUM.

Doors: B01A1

2	Continuous Hinge	HD2700	A	NGP
1	Header Bolt	4085 01 (Inactive Leaf) 01		A-R
1	Header Bolt	4016 10 01 (Active Leaf) 10 01		A-R
1	Threshold Bolt	4015 (Active Leaf)	603	A-R
1	Deadlock	MS1850S 410 (Active Leaf) 410	628	A-R
2	Mortise Cylinder	1E 7 4 C181 RP3 PATD	626	BES
1	Exit Indicator	4089 20	628	A-R
2	Push - Pull Bar	1737	628	TRI
2	Door Closer	8916 SISH	689	DKA
1	Gasketing	Provided by Aluminum Door Manufacturer		
2	Door Shoe	13T6	A	NGP
1	Threshold	513	A	NGP

NOTE: Doors normally closed and locked. When deadlock is unlocked, both doors are push / pull operation. Doors are unlocked when building is occupied. Turning key in inside or outside cylinder retracts deadbolt and both header and threshold bolts on active leaf. Extending or retracting deadbolt also simultaneously locks or unlocks header bolt on inactive leaf. Exit Indicator displays "Locked" or "Unlocked" status of deadlock. Exit Indicator includes two permanent adhesive signs indicating "THIS DOOR TO REMAIN UNLOCKED WHEN THE BUILDING IS OCCUPIED". Locking arrangements for this opening are subject to review and approval by Authority Having Jurisdiction.

Set #6 - EXT.ALUM.

Doors: B14A1

1	Continuous Hinge	HD1100	A	NGP
1	Deadlock	MS1850S 410 410	628	A-R
1	Mortise Cylinder	1E 7 4 C181 RP3 PATD	626	BES

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1	Thumbturn	4066 01	628	A-R
2	Pull	1191 3		TRI
1	Door Closer	8916 IS	689	DKA
1	Gasketing	Provided by Aluminum Door Manufacturer		
1	Door Shoe	13T6	A	NGP
1	Threshold	513	A	NGP

NOTE: Install pulls back-to-back.

Set #7 - EXT.HM.

Doors: A08A1

6	Hinge	FBB199 45X45	32D	
2	Flushbolt	3917 12	630	TRI
1	Cylindrical Lock	9K 3 7 D 15 D S3 PATD	626	BES
2	Door Closer	8916 SDS	689	DKA
1	Astragal	Provided by Door Manufacturer		
2	Kick Plate	K0050 CSK B4E Heavy 10" X 1" LDW	630	TRI
1	Gasketing	127S	A	NGP
2	Sweep	200N	A	NGP
1	Threshold	896	A	NGP
1	Drip Cap	16A	A	NGP

Set #8 - EXT.HM.

Doors: A12A1

6	Hinge	FBB199 45X45	32D	
2	Flushbolt	3917 12	630	TRI
1	Cylindrical Lock	9K 3 7 AB 15 D S3 PATD	626	BES
2	Door Closer	8916 SDST	689	DKA
2	Armor Plate	KA050 36" X 1" LDW CSK B4E Heavy	630	TRI
1	Gasketing	127S	A	NGP
2	Sweep	200N	A	NGP
1	Astragal	Provided by Door Manufacturer		
1	Threshold	896	A	NGP
1	Drip Cap	16A	A	NGP

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Set #9 - EXT.ALUM.

Doors: A06A1

*Unless noted otherwise, Salto devices to be provided by owner.

1	Continuous Hinge	HD1100	A	NGP
1	Exit Device	9300 B CD	630	DKA
1	KPB19	Salto Exit Device Conv. Kit		
1	Ai650m00ffH8	Salto Elec. Exit Trim		
1	Mortise Cylinder	1E 7 4 C4 RP3 PATD	626	BES
1	Door Closer	8916 SDS DP89 BSHD	689	DKA
1	Gasketing	Provided by Aluminum Door Manufacturer		
1	Sweep	200N	A	NGP
1	Threshold	425	A	NGP

Set #10 - OVERHEAD DOOR

Doors: A01A2, A11A2

NOTE: Overhead Door. Hardware provided by Overhead Door Mfr. / Supplier.

Set #11 -

Doors: A06A2, B07A1

3	Hinge	FBB168 NRP 45X45	26D	
1	Exit Device	F9300 B	630	DKA
1	Exit Trim	YR 08	630	DKA
1	Rim Cylinder	12E 7 2 PATD RP	626	BES
1	Door Closer	8916 AF89	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
1	Gasketing	5050 B		NGP

Set #12 -

Doors: A10A1

3	Hinge	FBB168 NRP 45X45	26D	
1	Cylindrical Lock	9K 3 7 D 15 D S3 PATD	626	BES
1	Door Closer	8916 AF89P	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Mop Plate	KM050 6" X 1" LDW CSK B4E	630	TRI
1	Wall Stop	1270 CVSV	630	TRI

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3	Silencers	1229A	Gray	TRI

Set #13 -

Doors: B10A1, B11A1

3	Hinge	FBB168 45X45	26D	
1	Cylindrical Lock	9K 3 7 D 15 D S3 PATD	626	BES
1	Door Closer	8916 AF89	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Mop Plate	KM050 6" X 1" LDW CSK B4E	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
1	Gasketing	5050 B		NGP

NOTE: No mop plate at Door #B10A1.

Set #14 -

Doors: A09A1

3	Hinge	FBB168 NRP 45X45	26D	
1	Cylindrical Lock	9K 3 7 D 15 D S3 PATD	626	BES
1	Door Closer	8916 DS	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Mop Plate	KM050 6" X 1" LDW CSK B4E	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
1	Gasketing	5050 B		NGP

Set #15 -

Doors: A11A3

3	Hinge	FBB168 NRP 45X45	26D	
1	Cylindrical Lock	9K 3 7 R 15 D S3 PATD	626	BES
1	Door Closer	8916 AF89P	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Mop Plate	KM050 6" X 1" LDW CSK B4E	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
1	Gasketing	5050 B		NGP

Set #16 -

Doors: A01A5, A12A2

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3	Hinge	FBB168 NRP 45X45	26D	
1	Cylindrical Lock	9K 3 7 R 15 D S3 PATD	626	BES
1	Door Closer	8916 DS	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Mop Plate	KM050 6" X 1" LDW CSK B4E	630	TRI
1	Gasketing	5050 B		NGP

Set #17 -

Doors: B06A1

3	Hinge	FBB168 NRP 45X45	26D	
1	Cylindrical Lock	9K 3 7 R 15 D S3 PATD	626	BES
1	Door Closer	8916 DST	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Gasketing	5050 B		NGP

Set #18 - INT. WD. / SALTO XS4

Doors: B15A2

*Unless noted otherwise, Salto devices to be provided by owner.

3	Hinge	FBB168 NRP 45X45	26D	
1	Elec. Cylindrical Lock	XS4 MINI	US32D	SAL
1	Door Closer	8916 PHP	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
1	Gasketing	5050 B		NGP

NOTE: Verify desired Salto Lock type with Owner. Provide lever to match other cylindrical locks specified in other hardware sets.

Set #19 -

Doors: A03A2

3	Hinge	FBB168 NRP 45X45	26D	
1	Cylindrical Lock	9K 3 7 R 15 D S3 PATD	626	BES
1	Door Closer	8916 AF89P	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Wall Stop	1270 CVSV	630	TRI

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3	Silencers	1229A	Gray	TRI

Set #20 -

Doors: A01A4, B17A1

3	Hinge	FBB168 45X45	26D	
1	Cylindrical Lock	9K 3 7 R 15 D S3 PATD	626	BES
1	Door Closer	8916 AF89	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
3	Silencers	1229A	Gray	TRI

Set #21 - INT.WD. / SALTO XS4

Doors: B15A3

*Unless noted otherwise, Salto devices to be provided by owner.

3	Hinge	FBB168 45X45	26D	
1	Elec. Cylindrical Lock	XS4 MINI	US32D	SAL
1	Door Closer	8916 DST	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
1	Gasketing	5050 B		NGP

NOTE: Verify desired Salto Lock type with Owner. Provide lever to match other cylindrical locks specified in other hardware sets.

Set #22 – NOT USED

Set #23 -

Doors: B14A2

3	Hinge	FBB179 NRP 45X45	26D	
1	Cylindrical Lock	9K 3 7 AB 15 D S3 PATD	626	BES
1	Overhead Stop	70 2 S	626	DK
1	Gasketing	5050 B		NGP

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Set #24 -

Doors: B13A1

3	Hinge	FBB179 45X45	26D	
1	Cylindrical Lock	9K 3 7 L 15 D S3	626	BES
1	Door Closer	8916 AF89	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Mop Plate	KM050 6" X 1" LDW CSK B4E	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
1	Gasketing	5050 B		NGP

Set #25 -

Doors: B03A1, B04A1, B05A1

3	Hinge	FBB168 45X45	26D	
1	Cylindrical Lock	9K 3 7 L 15 D S3	626	BES
1	Door Closer	8916 DS	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Gasketing	5050 B		NGP

Set #26 -

Doors: A02A1

3	Hinge	FBB179 45X45	26D	
1	Cylindrical Lock	9K 3 7 L 15 D S3	626	BES
1	Door Closer	8916 DS	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Mop Plate	KM050 6" X 1" LDW CSK B4E	630	TRI
1	Gasketing	5050 B		NGP

Set #27 -

Doors: B08A1, B08A2

3	Hinge	FBB168 NRP 45X45	26D	
1	Exit Device	9300 B CD	630	DKA
1	Exit Trim	YR 03R	630	DKA
1	Rim Cylinder	12E 7 2 PATD RP	626	BES

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1	Mortise Cylinder	1E 7 4 C4 RP3 PATD	626	BES
1	Door Closer	8916 AF89P	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
3	Silencers	1229A	Gray	TRI

Set #27A -

Doors: B01A3

3	Hinge	FBB168 NRP 45X45	26D	
1	Exit Device	9300 A CD	630	DKA
1	Exit Trim	YR 03R	630	DKA
1	Rim Cylinder	12E 7 2 PATD RP	626	BES
1	Mortise Cylinder	1E 7 4 C4 RP3 PATD	626	BES
1	Door Closer	8916 AF89P	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
3	Silencers	1229A	Gray	TRI

Set #28 -

Doors: A04A1

3	Hinge	FBB199 45X45	32D	
1	Push Plate	1001 3	630	TRI
1	Pull Plate	1017 3B	630	TRI
1	Door Closer	8916 AF89P	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Mop Plate	KM050 6" X 1" LDW CSK B4E	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
3	Silencers	1229A	Gray	TRI

Set #29 -

Doors: A04A2

3	Hinge	FBB199 45X45	32D	
1	Push Plate	1001 3	630	TRI
1	Pull Plate	1017 3B	630	TRI
1	Door Closer	8916 DS	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Mop Plate	KM050 6" X 1" LDW CSK B4E	630	TRI

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3	Silencers	1229A	Gray	TRI

Set #30 - CASED OPENING

Doors: B16A1, A05A1

NOTE: Cased opening. No hardware required.

Set #31 - ROLL UP DOOR

Doors: A12A3, B06A2

NOTE: Roll up door. Hardware provided by Door Manufacturer.

Set #32 - TOILET DOOR (FRP 2'6" x 4'10")

Doors: T1

2	Hinge	2060R 45X45	32D	
1	Cylindrical Lock	7KC 3 L 15 D S3	626	BES
1	Coat Hook	3072	630	TRI
1	Wall Stop	1270 CVSV	630	TRI

NOTE: No wall stop for out swinging stall doors without an adjacent wall.

Set #33 - TOILET DOOR (FRP 3'0" x 4'10")

Doors: T2

2	Hinge	2060R 45X45	32D	
1	Cylindrical Lock	7KC 3 L 15 D S3	626	BES
1	Coat Hook	3072	630	TRI
1	Wall Stop	1270 CVSV	630	TRI

NOTE: No wall stop for out swinging stall doors without an adjacent wall.

Set #34 - EXT.ALUM. / SALTO TRIM

Doors: A07A1

*Unless noted otherwise, Salto devices to be provided by owner.

2	Continuous Hinge	HD2700	A	NGP
1	Mullion	1340KR		DKA
2	Exit Device	9300 B CD	630	DKA
1	Salto Exit Device Conv. Kit	KPB19		SAL

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1	Salto Elec. Exit Trim	Ai650m00ffH8		SAL
3	Mortise Cylinder	1E 7 4 C4 RP3 PATD	626	BES
2	Door Closer	8916 SDS	689	DKA
1	Gasketing	Provided by Aluminum Door Manufacturer		
1	Gasketing	5100N		NGP
2	Sweep	C627	A	NGP
1	Threshold	425	A	NGP

NOTE: Coordinate and verify key override requirements with Exit Device Trim Manufacturer.

Set #35 - EXT.HM. / SALTO TRIM

Doors: A07A2

*Unless noted otherwise, Salto devices to be provided by owner.

3	Hinge	FBB199 4.5x4.5 NRP	630	BES
1	Exit Device	9300 B CD	630	DKA
1	Salto Exit Device Conv. Kit	KPB19		SAL
1	Salto Elec. Exit Trim	Ai650m00ffH8		SAL
1	Mortise Cylinder	1E 7 4 C4 RP3 PATD	626	BES
1	Door Closer	8916 SDS	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Gasketing	127S	A	NGP
1	Sweep	200N	A	NGP
1	Threshold	425	A	NGP
1	Drip Cap	16A	A	NGP

Set #36 -

Doors: B18A1

3	Hinge	FBB168 NRP 45X45	26D	
1	Cylindrical Lock	9K 3 7 D 15 D S3 PATD	626	BES
1	Door Closer	8916 DS	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
3	Silencers	1229A	Gray	TRI

Set #37 -

Doors: B08C1

6	Hinge	FBB168 NRP 45X45	26D	
2	Flushbolt	3913	630	TRI
1	Strike	3910	630	TRI
1	Cylindrical Lock	9K 3 7 D 15 D S3 PATD	626	BES

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2	Door Closer	8916 DST	689	DKA
2	Kick Plate	K0050 CSK B4E Heavy 10" X 1" LDW	630	TRI
2	Silencers	1229A	Gray	TRI

Set #38 -

Doors: T01A1

3	Hinge	FBB199 4.5x4.5 NRP	630	BES
1	Cylindrical Lock	9K 3 7 T 15 D S3 PATD	626	BES
1	Door Closer	8916 SDS	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Gasketing	127S	A	NGP
1	Sweep	200N	A	NGP
1	Threshold	425	A	NGP
1	Drip Cap	16A	A	NGP

Set #39 -

Doors: B08D1

3	Hinge	FBB168 NRP 45X45	26D	
1	Cylindrical Lock	9K 3 7 D 15 D S3 PATD	626	BES
1	Door Closer	8916 DS	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Gasketing	5050 B		NGP

Set #40 -

Doors: A12A4

3	Hinge	FBB168 45X45	26D	
1	Cylindrical Lock	9K 3 7 D 15 D S3 PATD	626	BES
1	Door Closer	8916 AF89	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Wall Stop	1270 CVSV	630	TRI
1	Gasketing	5050 B		NGP

Set #41 -

Doors: A12B1

3	Hinge	FBB168 NRP 45X45	26D	
1	Cylindrical Lock	9K 3 7 R 15 D S3 PATD	626	BES
1	Door Closer	8916 DS	689	DKA

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1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Gasketing	5050 B		NGP

Set #42 - EXT.HM.

Doors: B08D2

3	Hinge	FBB199 4.5x4.5 NRP	630	BES
1	Cylindrical Lock	9K 3 7 D 15 D S3 PATD	626	BES
1	Door Closer	8916 SDS	689	DKA
1	Kick Plate	K0050 CSK B4E Heavy 10" X 2" LDW	630	TRI
1	Gasketing	127S	A	NGP
1	Sweep	200N	A	NGP
1	Threshold	425	A	NGP
1	Drip Cap	16A	A	NGP

OPENING LIST:

OPENING	SET	RATING
A01A1	2A	
A01A2	10	
A01A3	2	
A01A4	20	
A01A5	16	
A02A1	26	
A03A1	3	
A03A2	19	
A04A1	28	
A04A2	29	
A05A1	30	
A06A1	9	
A06A2	11	45 MIN.
A06B1	3	
A07A1	34	
A07A2	35	
A08A1	7	
A09A1	14	45 MIN.
A10A1	12	
A11A1	4	
A11A2	10	
A11A3	15	45 MIN.

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A12A1	8	
A12A2	16	45 MIN.
A12A3	31	45 MIN.
A12A4	40	45 MIN.
A12B1	41	45 MIN.
B01A1	5	
B01A2	1	
B01A3	27A	
B03A1	25	
B04A1	25	
B05A1	25	
B06A1	17	
B06A2	31	
B07A1	11	45 MIN.
B08A1	27	
B08A2	27	
B08C1	37	
B08D1	39	
B08D2	42	
B10A1	13	45 MIN.
B11A1	13	45 MIN.
B13A1	24	
B14A1	6	
B14A2	23	
B15A1	2	
B15A2	18	
B15A3	21	
B16A1	30	
B17A1	20	
B18A1	36	
T1	32	
T2	33	
T01A1	38	

END OF SECTION

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SECTION 32 17 31 – Aluminum Fence & Gate

PART 1 GENERAL

1.01 SECTION INCLUDES

A. The contractor shall provide all labor, materials and appurtenances necessary for installation of the industrial ornamental aluminum fence system defined herein at Hart County Field House.

1.02 REFERENCE STANDARDS

A. ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
B. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.
C. ASTM D523 - Test Method for Specular Gloss.
D. ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.
E. ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
F. ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.
G. ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
H. ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.

1.03 SUBMITTALS

A. The manufacturer's submittal package shall be provided prior to installation.

PART 2 PRODUCTS

2.01 MANUFACTURER

A. The industrial ornamental aluminum fence system shall conform to Ameristar Echelon II, Majestic (2-Rail, 3-Rail, 4-Rail) style manufactured by Ameristar Fence Products, Inc., in Tulsa, Oklahoma

2.02 MATERIALS

A. Aluminum material for fence framework (i.e., tubular pickets, rails, and posts) shall conform to the requirements of ASTM B221. The aluminum extrusions for posts and rails shall be Alloy and Temper Designation 6005-T5. The aluminum extrusions for pickets shall be Alloy and Temper Designation 6063-T52.

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B. The manufactured framework shall be subjected to the Ameristar thermal stratification coating process (high-temperature, in-line, multi-stage, and multi-layer) including, as a minimum, a six-stage pretreatment/wash, and an electrostatic spray application of a polyester finish. The topcoat shall be a "no-mar" TGIC polyester powder coat finish with a minimum thickness of 2 mils (0.0508mm). The color shall be black. The stratification-coated framework shall be capable of meeting the performance requirements for each quality characteristic shown in Table 2.

C. Material for fence pickets shall be 1" square x 0.062" thick (.125" wall for Invincible) extruded tubing. The cross-sectional shape of the rails shall conform to the manufacturer's ForeRunner™ design with outside cross-section dimensions of 1.75" square. The top wall and internal web of the rail shall be 0.070" thick; the sidewalls shall be 0.070" thick for superior vertical load strength. Picket holes in the ForeRunner rail shall be spaced 4.715" o.c., except for Invincible style 6' long, which shall be, spaced 4.98" o.c. Picket retaining rods shall be 0.125" diameter galvanized steel. Fence posts and gate posts shall meet the minimum size requirements of Table 1. High quality PVC grommets shall be supplied to seal all picket-to-rail intersections.

D. Bracket to rail attachments shall be made using specially designed one-way tamperproof security nuts with carriage bolt. Bracket to post connections shall be made using self-drilling hex-head screws.

E. Aluminum castings shall be used for all rings, post caps, finials, and miscellaneous adornments.

2.03 FABRICATION

A. Pickets, rails, and posts shall be pre-cut to specified lengths. ForeRunner rails shall be pre-punched to accept pickets.

B. The rail inner slide shall be fully inserted into the rail outer channel to form the raceway for the internal retaining rod. Grommets shall be inserted into the pre-punched holes in the rails, and pickets shall be inserted through the grommets so that pre-drilled picket holes align with the internal raceway of the two-part ForeRunner rails. (Note: This can best be accomplished by using an alignment template). Retaining rods shall be inserted into each ForeRunner rail so that they pass through the pre-drilled holes in each picket, thus completing the panel assembly.

C. Completed panels shall be capable of supporting a 300 lb. load (applied at midspan) without permanent deformation. Panels shall be biasable to a 25% change in grade.

D. Gates shall be fabricated using 1.75" sq. reinforced ForeRunner rail material, 2" sq. x .250" gate ends, and 1" sq. x .125" pickets. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall be joined by welding.

PART 3 EXECUTION

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3.01 INSTALLATION

All new installation shall be laid out by the contractor in accordance with the construction plans.

3.02 FENCE INSTALLATION

Fence post shall be spaced according to Table 3, plus or minus ½". For installations that must be raked to follow sloping grades, the post spacing dimension must be measured along the grade. Fence panels shall be attached to posts with brackets supplied by the manufacturer. Posts shall be set in concrete footers having a minimum depth of 36" (Note: In some cases, local restrictions of freezing weather conditions may require a greater depth). The "Earthwork" and "Concrete" sections of this specification shall govern material requirements for the concrete footer. Posts setting by other methods such as plated posts or grouted core-drilled footers are permissible only if shown by engineering analysis to be sufficient in strength for the intended application.

3.03 FENCE INSTALLATION MAINTENANCE

When cutting/drilling rails or posts adhere to the following steps to seal the exposed surfaces; 1) Remove all metal shavings from cut area. 2) Apply custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1& 2 above will negate warranty. Ameristar spray cans or paint pens shall be used to prime and finish exposed surfaces; it is recommended that paint pens be used to prevent overspray. Use of non-Ameristar parts or components will negate the manufactures' warranty.

3.04 GATE INSTALLATION

Gate posts shall be spaced according to the manufacturers' gate drawings, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. Type and quantity of gate hinges shall be based on the application; weight, height, and number of gate cycles. The manufacturers' gate drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacture of the gate and shall be installed per manufacturer's recommendations.

3.05 CLEANING

Table 1 – Minimum Sizes for Echelon II Posts

Fence Posts	Panel Height
2-1/2" x 2-1/2" x .080" Alum. w/ reinforced web	Up to & Including 6' Height
3" x 3" x .120" Alum.	Over 6' Up to & Including 8' Height
4" x 4" x .250" Alum.	Over 8' Height Up to 10'

Gate Leaf	Gate Height			
	Up to & Including 4'	Over 4' Up to & Including 6'	Over 6' Up to & Including 8'	Over 8' Up to & Including 10'
Up to 4'	3" x 3" x .120" Alum.	4" x 4" x .250 Alum.	4" x 11 Ga. steel	4" x 11 Ga. steel

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		or 3” x 12 Ga. steel		
4’1” to 6’	4” x 4” x .250 Alum. or 3” x 12Ga. steel	3” x 12 Ga. steel	4” x 11 Ga. steel	4” x 11 Ga. steel
6’1” to 8’	4” x 11 Ga. steel	4” x 11 Ga. steel	4” x 11 Ga. steel	6” x 3/16” steel
8’1” to 10’	4” x 11 Ga. steel	4” x 11 Ga. steel	6” x 3/16” steel	6” x 3/16” steel
10’1” to 12’	4” x 11 Ga. steel	6” x 3/16” steel	6” x 3/16” steel	6” x 3/16” steel
12’1” to 14’	6” x 3/16” steel	6” x 3/16” steel	6” x 3/16” steel	6” x 3/16” steel

Table 2 – Coating Performance Requirements

Quality Characteristics	ASTM Test Method	Performance Requirements
Adhesion	D3359 – Method B	Adhesion (Retention of Coating) over 90% of test area (Tape and knife test).
Corrosion Resistance	B117 & D1654	Corrosion Resistance over 1,000 hours (Scribed per D1654; failure mode is accumulation of 1/8” coating loss from scribe or medium #8 blisters).
Impact Resistance	D2794	Impact Resistance over 60 inch lb. (Forward impact using 0.625” ball).
Weathering Resistance	D822 D2244, D523 (60˚ Method)	Weathering Resistance over 1,000 hours (Failure mode is 60% loss of gloss or color variance of more than 3 delta-E color units).

Table 3 – Echelon II – Post Spacing By Bracket Type

Span	For INVINCIBLE® 8’ Nominal (91.25” Rail)		For CLASSIC, GENESIS, & MAJESTIC 8’ Nominal (92.625” Rail)					
Post Size	2-1/2”	3”	2-1/2”	3”	2-1/2”	3”	2-1/2”	3”
Bracket Type	Industrial Flat Mount (BB301)		Industrial Universal (BB302)	Industrial Universal (BB303)	Industrial Flat Mount (BB301)		Industrial Swivel (BB304)*	
Post Settings ± ½” O.C.	94-1/2”	95”	96”	96.5”	96”	96-1/2”	*97.5”	*98”
Span	For INVINCIBLE® 6’ Nominal (71.375” Rail)		For CLASSIC, GENESIS, & MAJESTIC 6’ Nominal (67.75” Rail)					
Post Size	2-1/2”	3”	2-1/2”	3”	2-1/2”	3”	2-1/2”	3”
Bracket Type	Industrial Flat Mount (BB301)		Industrial Universal (BB302)	Industrial Universal (BB303)	Industrial Flat Mount (BB301)		Industrial Swivel (BB304)*	
Post Settings ± ½” O.C.	75”	75.5”	71.5”	72”	71.5””	72”	*73”	*73.5”
*Note: When using BB304 swivel brackets on either or both ends of a panel installation, care must be taken to ensure the spacing between post and adjoining pickets meets applicable codes. This will require trimming one or both ends of the panel.								

END OF SECTION 32 17 31

© 2026 (Addendum #1)

HART COUNTY
HIGH SCHOOL FIELD HOUSE

HARTWELL, GEORGIA

FOR:

HART COUNTY SCHOOLS

ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS

RLR PROJECT NO. 22248

PROJECT : HART COUNTY HIGH SCHOOL FIELD HOUSE
ADDRESS: 59 5TH STREET, HARTWELL, GA 30643
PRIMARY OCCUPANCY: EDUCATION OCCUPANCY
OWNER / CONTACT: HART COUNTY SCHOOLS
PROJECT NUMBER: 22248
FTE: N/A
DESIGNER OF RECORD: ROBERTSON LOIA ROOF PC
3460 PRESTON RIDGE ROAD / SUITE 275
ALPHARETTA, GEORGIA, 30005

DISCIPLINE	NAME	LICENSE NO.	PHONE NO.
CIVIL	ALFRED MCPETERS	25834	770/674-2600
ARCHITECTURAL	SAMIA COKER	013668	770/674-2600
ELECTRICAL	SCOTT WALKER	24903	770/674-2600
PLUMBING	NIMIR DESAI	36083	770/674-2600
MECHANICAL	NIMIR DESAI	36083	770/674-2600
STRUCTURAL	ALFRED MCPETERS	SE000752	770/674-2600
FIRE ALARM	SCOTT WALKER	24903	770/674-2600

GENERAL NOTES:

1. UNLESS OTHERWISE INDICATED, ANY NOTE, DETAIL, OR FEATURE INDICATED FOR ONE CONDITION SHALL BE APPLICABLE FOR ALL ALIKE AND SIMILAR CONDITIONS.
2. PROVIDE BLOCKING AS REQUIRED IN PARTITIONS WHERE WALL MOUNTED ITEMS ARE SCHEDULED TO BE MOUNTED.
3. ALL INTERIOR OUTSIDE CORNERS ARE BULLNOSE CMU FROM 8" AFF TO CEILING HEIGHT, UNLESS NOTED OTHERWISE.
4. ALL CONCEALED JOINTS IN CMU MASONRY SHALL BE STRUCK FLUSH WITHE THE FACE OF THE UNITS. ALL EXPOSED JOINTS SHALL BE TOOLED TO A CONCAVE PROFILE.
5. COMBUSTIBLE MATERIALS PERMITTED IN TYPE I AND II CONSTRUCTION IN ACCORDANCE WITH IBC SECTIONS 603.1 THROUGH 603.1.3

1 APPLICABLE CODE

INTERNATIONAL BUILDING CODE, 2024 EDITION. WITH GEORGIA AMENDMENTS (2020)(2022)(2024)(2025)(2026)

INTERNATIONAL FIRE CODE, 2024 EDITION WITH GEORGIA AMENDMENTS (2022)

INTERNATIONAL PLUMBING CODE, 2024 EDITION WITH GEORGIA AMENDMENTS (2020)(2022)(2024) (2026)

INTERNATIONAL MECHANICAL CODE, 2024 EDITION, WITH GEORGIA AMENDMENTS (2020)(2024)(2026)

INTERNATIONAL FUEL GAS CODE, 2024 EDITION, WITH GEORGIA AMENDMENTS (2020)(2022)(2026)

INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION, WITH GEORGIA SUPPLEMENTS AND AMENDMENTS (2020)(2022)(2023)

NATIONAL ELECTRICAL CODE, 2023 EDITION W/ GEORGIA AMENDMENTS (2026)

2024 NFPA 101 LIFE SAFETY CODE WITH GEORGIA AMENDMENTS, RULES AND REGULATIONS OF THE SAFETY FIRE COMMISSIONER, CH. 120-3-3 (2024)

2022 NFPA 10 STANDARDS FOR PORTABLE FIRE EXTINGUISHERS WITH GEORGIA AMENDMENTS (2022)

2022 NFPA 13 STANDARDS FOR THE INSTALLATION OF SPRINKLER SYSTEMS WITH GEORGIA AMENDMENTS (2022)

2010 ADA STANDARDS WITH GEORGIA AMENDMENT, RULES OF OFFICE OF INSURANCE AND SAFETY FIRE COMMISSIONER CH. 120-3-20 WITH GEORGIA AMENDMENT (2022)

AND ALL APPLICABLE NFPA CODES AND STANDARDS AS ADOPTED AND MODIFIED BY THE LOCAL FIRE MARSHAL

BUILDING DATA:

BUILDING AREA TOTAL: 17,040 SF
BUILDING TYPE:
LEVELS: 2 STORY
PRIMARY OCCUPANCY: EDUCATION OCCUPANCY
IBC CONSTRUCTION TYPE: IIB (UNPROTECTED)
NFPA A220 CONSTRUCTION TYPE: II (000)
SPRINKLERED: YES
SPRINKLER DESCRIPTION: NFPA 13

HANDICAPPED: GEORGIA ACCESSBILITY CODE

LIFE SAFETY SYSTEMS: EMERGENCY LIGHTING AND EXIT SIGNS
PANIC HARDWARE

EXIT REQUIREMENTS: NFPA 101
DEAD END LIMIT (MAX. CONDITION) : 50 FEET
TRAVEL DISTANCE TO EXIT (MAX. CONDITION): 200 FEET
LEVEL EXIT DISCHARGE FROM ALL AREAS

DESIGN LOADS: ROOF LIVE LOAD: TOP CHORD: 20 PSF LIVE LOAD, 20 PSF DEAD LOAD
WIND: 115 MPH
SNOW: 10 PSF GROUND SNOW LOAD
SEISMIC: RISK CATEGORY: II
SITE CLASS: D (PER GEOTECH REPORT)
S(DS) = 0.284
S(D1) = 0.148
SEISMIC DESIGN CATEGORY = C
BUILDING FRAME SYSTEM W/ INTERMEDIATE
MASONRY SHEAR WALLS R=4

CITY OF HARTWELL GENERAL NOTES:

1. A GEORGIA LICENSED GENERAL CONTRACTOR SHALL OBTAIN THE BUILDING PERMIT BEFORE ANY WORK BEGINS ON SITE.
2. A GEORGIA LICENSED ELECTRICAL CONTRACTOR SHALL OBTAIN THE ELECTRICAL PERMIT BEFORE ANY ELECTRICAL WORK BEGINS ON SITE.
3. A GEORGIA LICENSED PLUMBING CONTRACTOR SHALL OBTAIN THE PLUMBING PERMIT BEFORE ANY PLUMBING WORK BEGINS ON SITE.
4. A GEORGIA LICENSED CONDITIONED AIR CONTRACTOR SHALL OBTAIN THE MECHANICAL PERMIT BEFORE ANY WORK BEGINS ON SITE.
5. A GEORGIA LICENSED PLUMBING CONTRACTOR OR A GEORGIA LICENSED CONDITIONED AIR CONTRACTOR SHALL OBTAIN THE FUEL GAS PERMIT BEFORE ANY WORK BEGINS ON SITE.
6. THERE SHALL BE NO DEBRIS BURNED AT THE JOB SITE AS STATED IN THE PLANS AND AS PER LOCAL POLICY.
7. ALL CONTRACTORS SHALL ADHERE TO THE EROSION PLAN AND PREVENT THE ESCAPE OF SOIL FROM THE JOBSITE. THE CONSTRUCTION ENTRANCE/EXIT MUST BE MAINTAINED, ALONG WITH ALL BMP.
8. FIRE SPRINKLER PLANS MUST BE SUBMITTED BY A GEORGIA LICENSED FIRE SPRINKLER CONTRACTOR BEFORE ANY WORK BEGINS ON SITE.
9. THE CITY OF HARTWELL BUILDING INSPECTION DEPARTMENT WILL PERFORM INSPECTIONS REGARDLESS OF THE THIRD PARTY INSPECTION COMPANY PERFORMING THEIR AGREED UPON SPECIAL INSPECTIONS.
10. THE BUILDING WILL BE INSPECTED BY THE CITY OF HARTWELL FIRE MARSHAL 'S OFFICE FOR COMPLIANCE WITH THE FIRE CODE AND ADA COMPLIANCE. DEPUTIZED STATE FIRE MARSHAL WILL CONDUCT THE INSPECTIONS AND SUBMIT DATA TO THE STATE OFFICE.
11. NO ONE IS TO OCCUPY THE FACILITY UNTIL THE BUILDING INSPECTION DEPARTMENT AND THE FIRE MARSHAL 'S OFFICE ISSUES THE CERTIFICATE OF OCCUPANCY.
12. ALL INSPECTIONS AND CRITERIA OUTLINED BY FIRE CHIEF SHOULD BE ADHERED TO OR A TWO-WEEK STOP WORK ORDER WILL BE ISSUED PER VIOLATION.

LAST REVISED 09/09/2026 1

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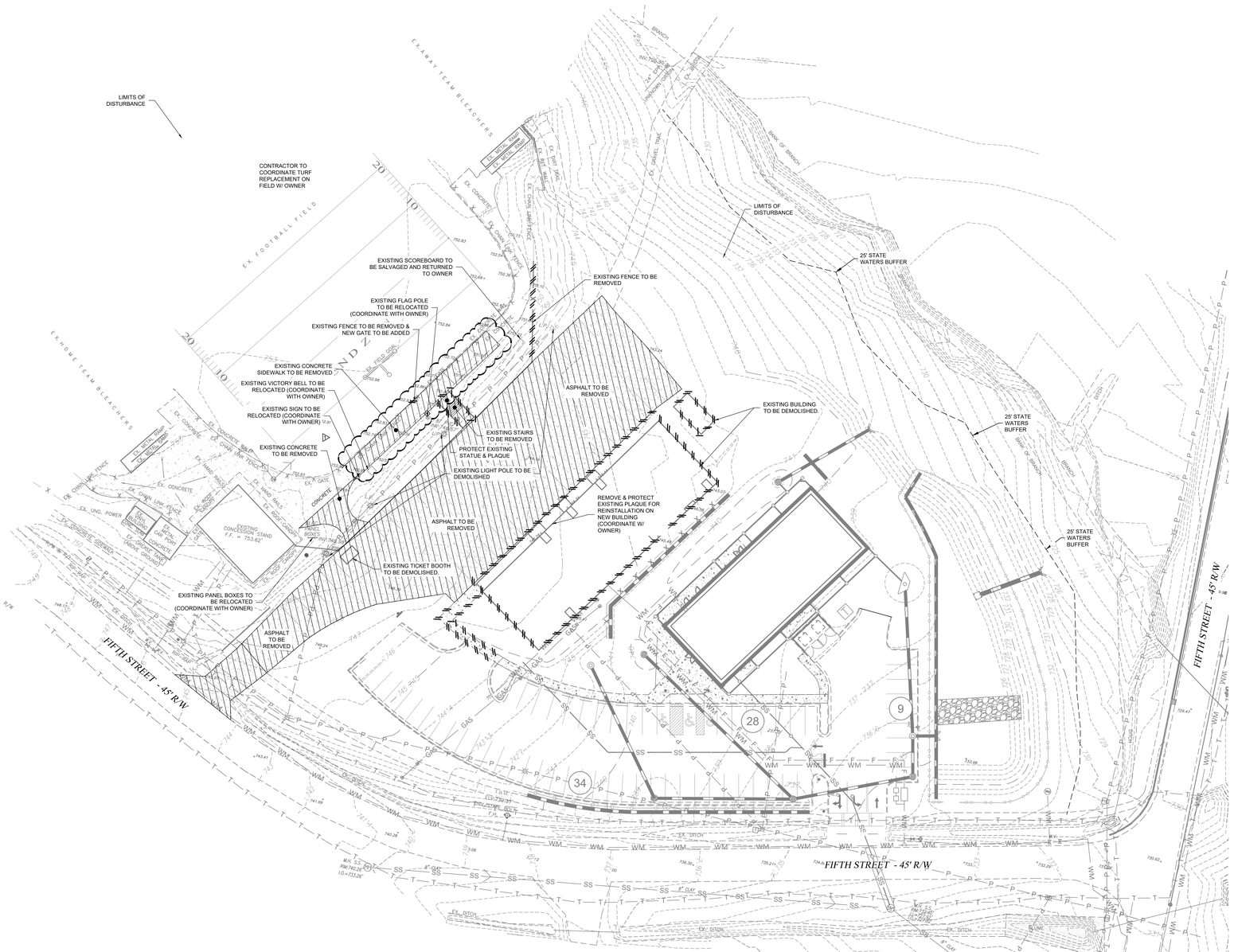
DATE: AUGUST 11, 2026

22-248 HART COUNTY
HIGH SCHOOL FIELD HOUSE


LIMITS OF DISTURBANCE
CONTRACTOR TO COORDINATE TURF REPLACEMENT ON FIELD W/ OWNER
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EXISTING FENCE TO BE REMOVED
ASPHALT TO BE REMOVED
EXISTING STAIRS TO BE REMOVED
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25' STATE WATERS BUFFER
25' STATE WATERS BUFFER
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FIFTH STREET - 45' R/W
FIFTH STREET - 45' R/W
FIFTH STREET - 45' R/W
BRANCH
BANK OF BRANCH
EXISTING CONCESSION STAND F.F. = 753.62'
EXISTING PANEL BOXES
EX. CONCRETE
EX. CHAIN LINK FENCE
EX. UND. POWER
EX. DIAGONAL PARKING
EX. CURB & GUTTER
EX. DITCH
EX. GAS
EX. WATER
EX. SANITARY SEWER
EX. STORM SEWER
EX. FIELD GOAL
EX. BOX SCORER
EX. HAND RAILS
EX. GATE
EX. BLEACHERS
EX. BUILDING
EX. CONCRETE WALK
EX. CHAIN LINK FENCE
EX. BUILDING
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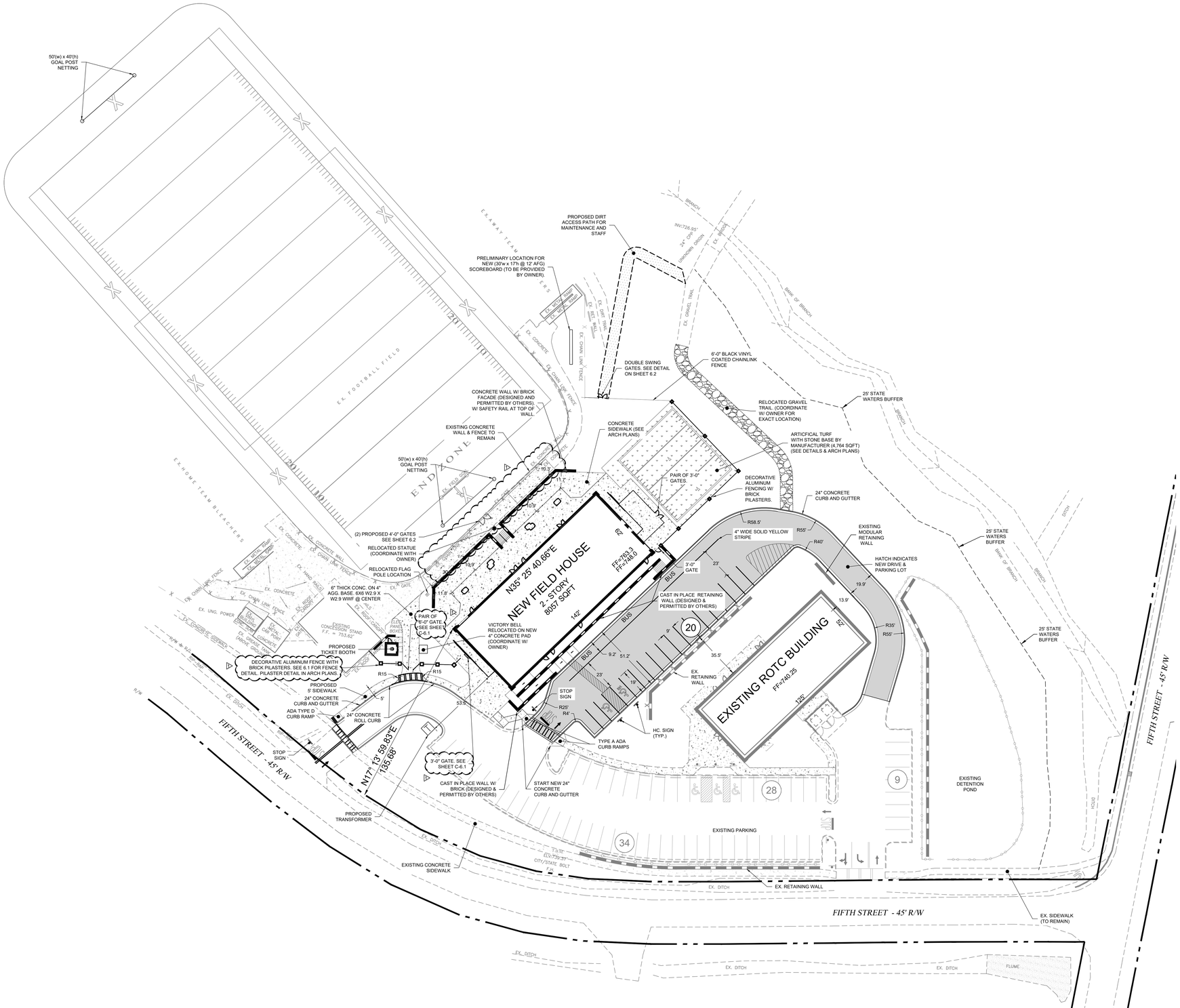
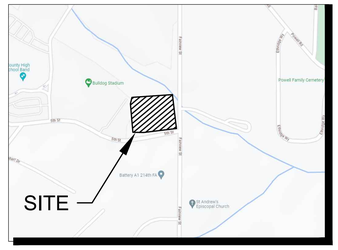


SITE PLAN

SCALE: 1" = 30'

30 0 30 60 90 FEET



VICINITY MAP

SCALE: NONE

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CITY OF HARTWELL, STATE OF GEORGIA REGULATIONS AND CODES, AS WELL AS ALL O.S.H.A. STANDARDS.

2. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY BAUKNIGHT & ASSOCIATES INC. LAND SURVEYING; ADDRESS 109 N JACKSON STREET HARTWELL, GA 30643, DATED 07/12/2023.

3. BUILDING DIMENSIONS SHOWN ON THIS PLAN ARE "LEASE" DIMENSIONS. FOR ACTUAL DIMENSIONS, SEE ARCHITECTURAL PLANS. DIMENSIONS TO CONC. CURB & GUTTER ARE TO "FACE OF CURB".

4. SITE WORK CONTRACTOR IS RESPONSIBLE FOR WORK TO WITHIN 5'-0" OF THE BUILDING.

5. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED, OR RELOCATED AS INDICATED ON THE PLANS AND IN THE SPECIFICATIONS.

6. CONTRACTOR IS TO NOTIFY CITY INSPECTORS 72 HOURS PRIOR TO THE START OF CONSTRUCTION.

7. CONTRACTOR SHALL OBTAIN ALL PERMITS BEFORE CONSTRUCTION BEGINS. (INCLUDING GA DOT UTILITY ENCROACHMENT PERMIT).

8. ALL SIGNAGE SHALL COMPLY WITH THE CITY OF HARTWELL ZONING ORDINANCE. A SEPARATE SIGN PERMIT IS REQUIRED.

9. CONSTRUCTION TRAILER USED ON-SITE SHALL BE PERMITTED THROUGH THE CITY OF HARTWELL PLANNING AND ZONING DEPARTMENT.

10. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IN REQUIRED RIGHT-OF-WAY, AND MUST BE STORED WITHIN THE SITE. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IN AREAS WHICH RESTRICT SIGHT DISTANCE.

11. THE EXACT LOCATION OF HANDICAP RAMPS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND SHALL BE PROVIDED AT THE INTERSECTIONS OF EACH APPLICABLE SIDEWALK, ACCESSIBLE ROUTE, AND ENTRANCE DRIVES.

12. ALL SIDEWALKS ARE TO BE INSTALLED PER ADA STANDARDS. SIDEWALKS TO HAVE MAX SLOPE OF 5% AND MAX CROSS SLOPE OF 2%.

13. CONTRACTOR SHALL NOTIFY ENGINEER SHOULD ANY FIELD CONDITIONS BE NOTED THAT DIFFER FROM THE SURVEY.

14. SITE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS INDICATING ALL CHANGES AND DEVIATIONS.

15. PROJECT LOCATION: 59 FIFTH ST, IN THE CITY OF HARTWELL, HART COUNTY, STATE OF GEORGIA.

16. OWNER'S INFORMATION: HART COUNTY SCHOOLS, 1150 PERIMETER RD, PHONE (707) 436-1430, CONTACT: BROOKS MEWBORN.

17. ENGINEER: ROBERTSON/LOIA/ROOF P.C. 3460 PRESTON RIDGE ROAD, SUITE 275 ALPHARETTA, GA 30005, PHONE (770) 674-2600. CONTACT: AL MCPETERS.

18. BUILDING LOCATION IS TO THE OUTSIDE FACE OF BLOCK. CONTRACTOR TO COORDINATE AND VERIFY EXACT BUILDING LOCATION & DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

SITE ANALYSIS

TOTAL BUILDING AREA	8,502 S.F.
PARKING	91 SPACES
PARKING RATIO	10.7 SPACE/M.S.F.

PAVING SYMBOLS LEGEND

ASPHALT PAVEMENT STANDARD DUTY
1.5" 9.5 MM TYPE II SUPERPAVE HMA SURFACE COURSE
2" 12.5 MM SUPERPAVE HMA BASE COURSE
6" GRADED AGGREGATE BASE

CONCRETE SIDEWALKS
4" 3,000 PSI PORTLAND CEMENT CONCRETE
W/ 6" x 6" W1.4/W1.4 WELDED WIRE FABRIC
PER DETAIL CSP-CSW ON C-6.1

ASPHALT PAVEMENT HEAVY DUTY
1.5" 9.5 MM TYPE II SUPERPAVE HMA SURFACE COURSE
2" 12.5 MM SUPERPAVE HMA BASE COURSE
8" GRADED AGGREGATE BASE

NOTES:
1. AGGREGATE BASE PER GDOT 815 OR EQUIVALENT COMPACTED TO 100% MAXIMUM DRY DENSITY PER MODIFIED PROCTOR ASTM D1557.
2. HOT MIX ASPHALTIC COURSES PER GDOT 828 OR EQUIVALENT.
3. PORTLAND CEMENT CONCRETE PER ACI 330R.
4. GEOTECHNICAL REPORT &/OR JURISDICTIONAL REQUIREMENTS MAY SUPERSEDE REQUIREMENTS LISTED ABOVE.

GEORGIA811
www.Georgia811.com
Contact 811 before you dig.

NOTIFY CITY OF HARTWELL INSPECTOR 24 HOURS BEFORE THE BEGINNING PHASE OF CONSTRUCTION (707) 436-1430

ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS
3460 Preston Ridge Road . Suite 275 . Alpharetta, GA. 30005
770.674.2600 / www.rlrpc.com
GA COA # PEF000562 EXPIRES: 06/30/2028

9/02/2026

Hart County High School
Hart County Field House
59 5th St,Hartwell, Georgia, 30643
Hart County Schools

REVISIONS #	DATE	DESCRIPTION
1	09/11/2026	ADDENDUM #1

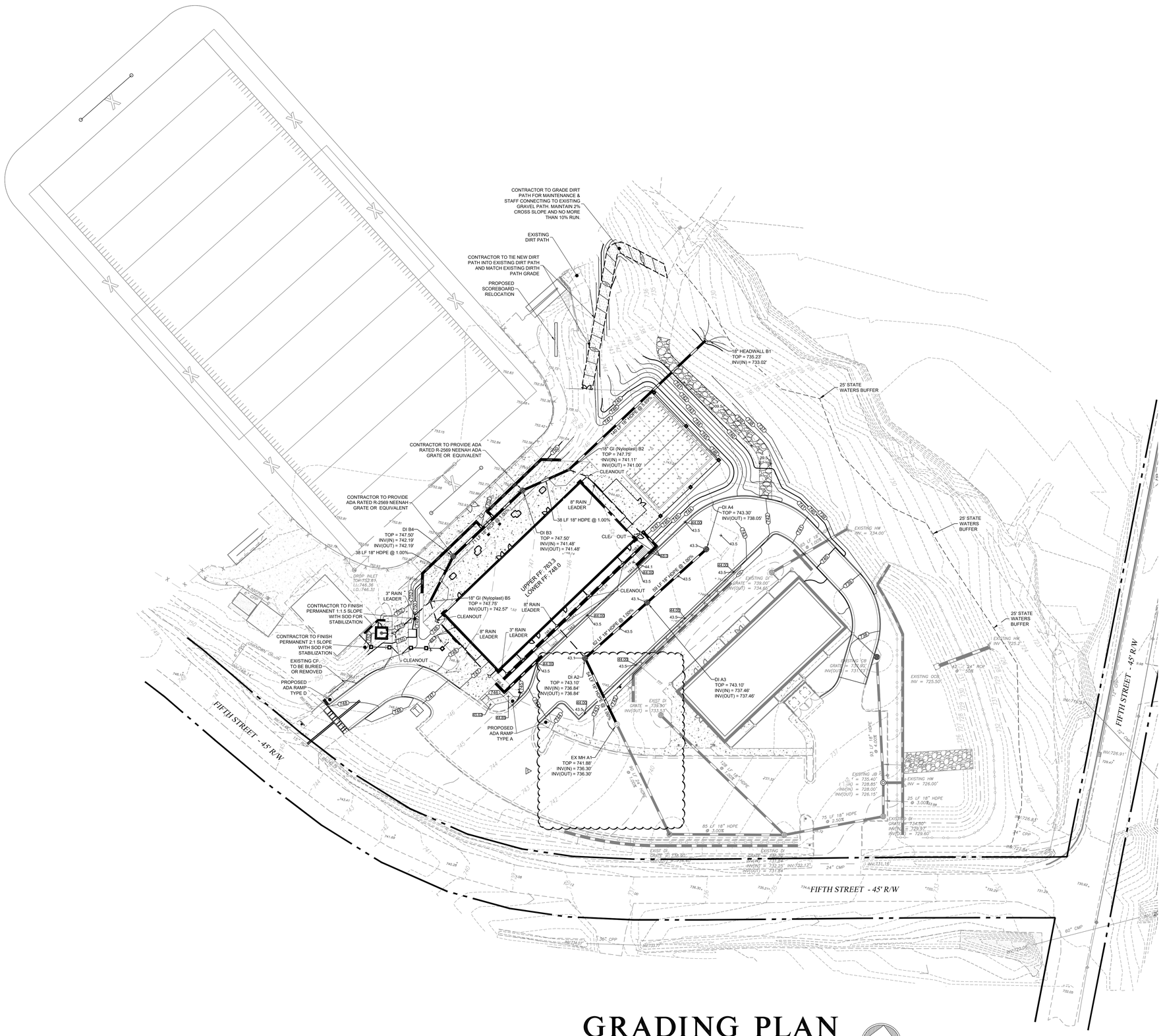
SHEET TITLE: SITE PLAN

DATE: 8/11/2026

PROJECT NUMBER: 22248

SHEET NUMBER: C-1

Wednesday, September 9, 2026 11:09:17 AM (JELALOOK)
Y:\Projects\2022\22248-Hart County Schools\Dwgs\22248C-8.dwg
ANSI A (8.50 x 11.00 Inches)



GRADING PLAN

SCALE: 1" = 30'

30 0 30 60 90 FEET

GRADING NOTES

1. ALL AREAS TO RECEIVE PAVEMENT, STRUCTURES OR FILL MATERIAL SHALL BE STRIPPED OF ORGANIC MATERIAL, TOPSOIL, AND DEBRIS PRIOR TO CONSTRUCTION.

2. ONCE STRIPPING HAS BEEN COMPLETED, ALL AREAS TO RECEIVE FILL SHOULD BE PROOF-ROLLED IN THE PRESENCE OF A REPRESENTATIVE OF THE SOILS ENGINEER. SOFT AREAS ENCOUNTERED DURING PROOF-ROLLING SHALL BE STABILIZED BY COMPACTION OR UNDERCUT.

3. ALL FILL AREAS SHALL BE FREE OF ORGANIC OR OTHERWISE UNSUITABLE MATERIALS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY PER STANDARD PROCTOR ASTM D698 UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL REPORT AS LISTED BELOW. THE TOP TWO (2) FEET OF FILL UNDER STRUCTURES AND PAVEMENT SHALL BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY PER STANDARD PROCTOR ASTM D698 UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL REPORT AS LISTED BELOW.

4. ALL SITE PREPARATION SHOULD BE MONITORED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER. INSPECTIONS AND TESTING FOR ALL UNDERCUT AND FILL OPERATIONS AS WELL AS THE UTILIZATION OF ACCEPTABLE OFF-SITE BORROW MATERIALS SHOULD BE PERFORMED. THE OWNER, AT HIS OPTION, MAY HAVE DENSITY TESTS PERFORMED TO VERIFY THAT SPECIFIC COMPACTION IS OBTAINED.

5. CUT OR FILL SLOPE SHOULD NOT BE STEEPER THAN 2H:1V. ALL PROPOSED SLOPES SHOULD BE OVERBUILT AND CUT BACK TO THE PROPOSED GRADES, EXPOSING THE FIRM COMPACTED INNER CORE. THE EXCAVATION FOR THE SLOPES SHOULD BE MONITORED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER. VERTICAL CUTS EXCEED 5 FEET SHOULD BE BRACED AS REQUIRED BY OSHA REGULATIONS FOR SAFETY.

6. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SPOT ELEVATIONS WHICH DO NOT APPEAR TO BE CONSISTENT WITH THE CONTOURS AND SLOPES. SPOT ELEVATIONS SHOWN ALONG CURB & GUTTER DESIGNATE THE PROPOSED GRADE AT THE LIP OF THE GUTTER UNLESS OTHERWISE NOTED.

7. CONTRACTOR SHALL INSTALL APPROPRIATE EROSION CONTROL MEASURES PRIOR TO ANY LAND DISTURBANCE ACTIVITIES.

8. THE CONTRACTOR SHALL ADJUST ALL MANHOLE COVERS, VALVE COVERS, CLEAN OUTS, VAULTS, BOXES, AND GRATES, EXISTING AND PROPOSED, TO "AS-CONSTRUCTED" FINISHED GRADE.

9. IF GRADE ADJUSTMENTS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO INVESTIGATE SUCH ADJUSTMENTS.

10. IF A CONFLICT EXISTS BETWEEN PLANS OR/AND SPECIFICATIONS OR/AND SOIL REPORT, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY FOR CLARIFICATION.

11. PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL VERIFY THE INVERTS OF EXISTING STRUCTURES AND INFORM THE OWNER AND THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

12. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED AND EXISTING PIPES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS AFTER CONSTRUCTION.

13. ALL PROPOSED DRAINAGE STRUCTURES ARE TO BE INSTALLED PER HART COUNTY STANDARDS AND SPECIFICATIONS AS REQUIRED.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE DESIGNER AND/ OR THE CITY/COUNTY INSPECTOR UPON REQUEST. THE MARK-UPS SHALL BE KEPT ON-SITE AT ALL TIMES AND SHALL BE UTILIZED TO DEVELOP FINAL RECORD DRAWINGS.

15. THE CONTRACTOR SHALL PROVIDE TO THE OWNER AND ENGINEER OF RECORD, A SURVEYED "AS-BUILT" DRAWING OF EACH DETENTION FACILITY SHOWING POND TOPOGRAPHY (2' CONTOURS AND SPOT ELEVATIONS) AND SIZES AND INVERTS OF ALL OUTLET CONTROLS, AND APPURTENANCES. ADDITIONALLY, THE CONTRACTOR SHALL INCLUDE IN THE AS-BUILT DRAWINGS ALL NECESSARY IMPROVEMENTS, NOTES & CERTIFICATIONS REQUIRED BY THE PERMITTING AUTHORITY.

16. THE SEGMENTAL RETAINING WALL(S) SHALL BE DESIGNED AND PERMITTED BY A REGISTERED PROFESSIONAL ENGINEER WHO SHALL BE UNDER CONTRACT WITH THE CONTRACTOR. 14 DAYS PRIOR TO THE ANTICIPATED START DATE OF THE WALL CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PACKAGE TO THE OWNER FOR REVIEW WHICH SHALL INCLUDE:
A) PLAN, ELEVATION AND CROSS SECTION VIEWS OF EACH WALL;
B) DETAILS FOR CAP BLOCKS, CONCRETE COPING, OR BARRIERS CONSTRUCTED AS PART OF THE WALL CONTRACT; AND
C) BLOCK SAMPLE, IF REQUIRED BY ARCHITECT, FOR COLOR AND TEXTURE REVIEW.
THE WAL(S) SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE DRAINAGE/RUNOFF BASED UPON THE CONDITIONS OF THE DESIGN PLANS AND WITH A MAXIMUM SETBACK OF 0.875" PER 8" TALL BLOCK. WALL UNITS SHALL HAVE A VERTICAL FACE.

MATERIAL NOTES

1. STORM SEWER MATERIALS SHALL BE INSTALLED AS SHOWN ON THE PLANS.

2. STORM SEWER MATERIAL DESIGNATIONS SHALL BE FURTHER DEFINED AS FOLLOWS :
"HDPE" - HIGH DENSITY POLYETHYLENE PER AASHTO M294 OR ASTM F2306, INSTALLED PER ASTM D2321
"HDPEWT" - HDPE WATER TIGHT PER AASHTO M294 OR ASTM F2306 AND WITH JOINTS PER ASTM D3212, INSTALLED PER ASTM D2321
"RCP" - REINFORCED CONCRETE PIPE, CLASS PER ASTM C76/AASHTO M170 (MIN. CLASS III) AND JOINTS PER ASTM C443
"PVC" - SDR 26 PVC PER ASTM D3034

3. PRECAST STRUCTURES MAY BE USED AT THE CONTRACTOR'S OPTION.

4. ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 P.S.I. UNLESS OTHERWISE NOTED.

5. PROVIDE ANCHOR COLLARS ON ALL PIPES AT OR EXCEEDING 10% SLOPE FOR RCP AND 14% FOR CMP AND HDPE.

6. PROVIDE WATER-TIGHT JOINTS ON ALL STORM SEWER PIPES AT OR EXCEEDING 20% SLOPE.

7. PROVIDE SAFETY PLATFORMS IN ALL STRUCTURES GREATER THAN AND EQUAL TO 20' IN DEPTH. PLATFORMS FOR STRUCTURES BETWEEN 20' AND 24' ARE TO HAVE A MINIMUM OF ONE (1) PLATFORM INSTALLED AT THE MIDPOINT. STRUCTURES GREATER THAN 24' ARE TO HAVE PLATFORMS SPACED AT A MAXIMUM 10' ON CENTER.

NOTIFY CITY OF HARTWELL INSPECTOR 24 HOURS BEFORE THE BEGINNING PHASE OF CONSTRUCTION (707) 436-1430

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9/02/2026

Hart County High School
Hart County Field House
59 5th St,Hartwell, Georgia, 30643
Hart County Schools

REVISIONS			
#	DATE	DESCRIPTION
1	08/11/2026	ADDENDUM #1

SHEET TITLE: GRADING PLAN

DATE: 8/11/2026

PROJECT NUMBER: 22248

SHEET NUMBER: C-2

Wednesday, September 9, 2026 11:09:22 AM - URLALOOO
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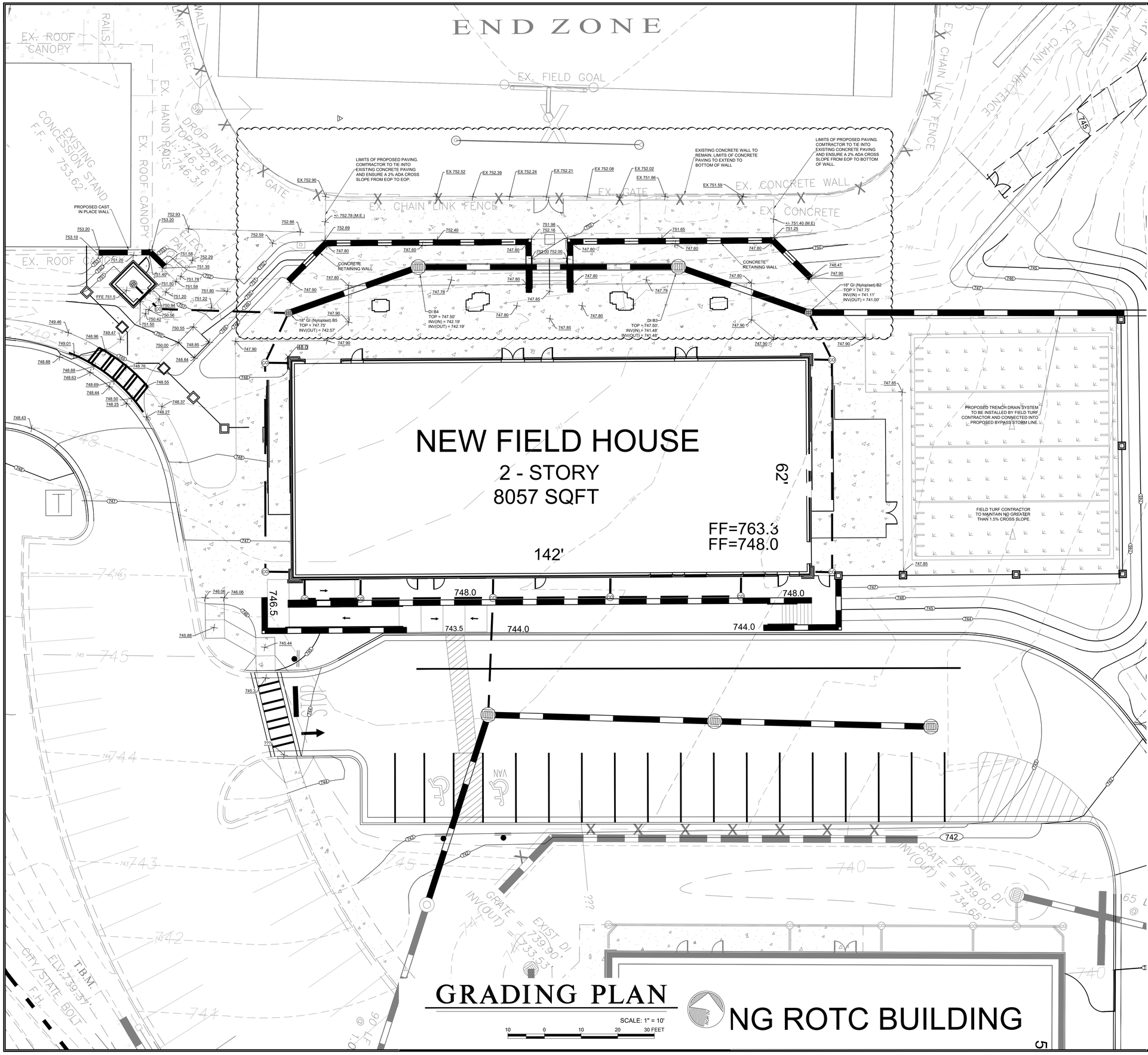
ANSI A (8.50 X 11.00 Inches)



GRADING NOTES

1. ALL AREAS TO RECEIVE PAVEMENT, STRUCTURES OR FILL MATERIAL SHALL BE STRIPPED OF ORGANIC MATERIAL, TOPSOIL, AND DEBRIS PRIOR TO CONSTRUCTION.

2. ONCE STRIPPING HAS BEEN COMPLETED, ALL AREAS TO RECEIVE FILL SHOULD BE PROOF-ROLLED IN THE PRESENCE OF A REPRESENTATIVE OF THE SOILS ENGINEER. SOFT AREAS ENCOUNTERED DURING PROOF-ROLLING SHALL BE STABILIZED BY COMPACTION OR UNDERCUT.

3. ALL FILL AREAS SHALL BE FREE OF ORGANIC OR OTHERWISE UNSUITABLE MATERIALS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY PER STANDARD PROCTOR ASTM D698 UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL REPORT AS LISTED BELOW. THE TOP TWO (2) FEET OF FILL UNDER STRUCTURES AND PAVEMENT SHALL BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY PER STANDARD PROCTOR ASTM D698 UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL REPORT AS LISTED BELOW.

4. ALL SITE PREPARATION SHOULD BE MONITORED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER. INSPECTIONS AND TESTING FOR ALL UNDERCUT AND FILL OPERATIONS AS WELL AS THE UTILIZATION OF ACCEPTABLE OFF-SITE BORROW MATERIALS SHOULD BE PERFORMED. THE OWNER, AT HIS OPTION, MAY HAVE DENSITY TESTS PERFORMED TO VERIFY THAT SPECIFIC COMPACTION IS OBTAINED.

5. CUT OR FILL SLOPE SHOULD NOT BE STEEPER THAN 2H:1V. ALL PROPOSED SLOPES SHOULD BE OVERBUILT AND CUT BACK TO THE PROPOSED GRADES, EXPOSING THE FIRM COMPACTED INNER CORE. THE EXCAVATION FOR THE SLOPES SHOULD BE MONITORED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER. VERTICAL CUTS EXCEED 5 FEET SHOULD BE BRACED AS REQUIRED BY OSHA REGULATIONS FOR SAFETY.

6. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SPOT ELEVATIONS WHICH DO NOT APPEAR TO BE CONSISTENT WITH THE CONTOURS AND SLOPES. SPOT ELEVATIONS SHOWN ALONG CURB & GUTTER DESIGNATE THE PROPOSED GRADE AT THE LIP OF THE GUTTER UNLESS OTHERWISE NOTED.

7. CONTRACTOR SHALL INSTALL APPROPRIATE EROSION CONTROL MEASURES PRIOR TO ANY LAND DISTURBANCE ACTIVITIES.

8. THE CONTRACTOR SHALL ADJUST ALL MANHOLE COVERS, VALVE COVERS, CLEAN OUTS, VAULTS, BOXES, AND GRATES, EXISTING AND PROPOSED, TO "AS-CONSTRUCTED" FINISHED GRADE.

9. IF GRADE ADJUSTMENTS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO INVESTIGATE SUCH ADJUSTMENTS.

10. IF A CONFLICT EXISTS BETWEEN PLANS OR/AND SPECIFICATIONS OR/AND SOIL REPORT, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY FOR CLARIFICATION.

11. PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL VERIFY THE INVERTS OF EXISTING STRUCTURES AND INFORM THE OWNER AND THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

12. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED AND EXISTING PIPES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS AFTER CONSTRUCTION.

13. ALL PROPOSED DRAINAGE STRUCTURES ARE TO BE INSTALLED PER HART COUNTY STANDARDS AND SPECIFICATIONS AS REQUIRED.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE DESIGNER AND/ OR THE CITY/COUNTY INSPECTOR UPON REQUEST. THE MARK-UPS SHALL BE KEPT ON-SITE AT ALL TIMES AND SHALL BE UTILIZED TO DEVELOP FINAL RECORD DRAWINGS.

15. THE CONTRACTOR SHALL PROVIDE TO THE OWNER AND ENGINEER OF RECORD, A SURVEYED "AS-BUILT" DRAWING OF EACH DETENTION FACILITY SHOWING POND TOPOGRAPHY (2' CONTOURS AND SPOT ELEVATIONS) AND SIZES AND INVERTS OF ALL OUTLET CONTROLS, AND APPURTENANCES. ADDITIONALLY, THE CONTRACTOR SHALL INCLUDE IN THE AS-BUILT DRAWINGS ALL NECESSARY IMPROVEMENTS, NOTES & CERTIFICATIONS REQUIRED BY THE PERMITTING AUTHORITY.

16. THE SEGMENTAL RETAINING WALL(S) SHALL BE DESIGNED AND PERMITTED BY A REGISTERED PROFESSIONAL ENGINEER WHO SHALL BE UNDER CONTRACT WITH THE CONTRACTOR. 14 DAYS PRIOR TO THE ANTICIPATED START DATE OF THE WALL CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PACKAGE TO THE OWNER FOR REVIEW WHICH SHALL INCLUDE:
A) PLAN, ELEVATION AND CROSS SECTION VIEWS OF EACH WALL;
B) DETAILS FOR CAP BLOCKS, CONCRETE COPING, OR BARRIERS CONSTRUCTED AS PART OF THE WALL CONTRACT; AND
C) BLOCK SAMPLE, IF REQUIRED BY ARCHITECT, FOR COLOR AND TEXTURE REVIEW.
THE WALL(S) SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE DRAINAGE/RUNOFF BASED UPON THE CONDITIONS OF THE DESIGN PLANS AND WITH A MAXIMUM SETBACK OF 0.875" PER 8" TALL BLOCK. WALL UNITS SHALL HAVE A VERTICAL FACE.

MATERIAL NOTES

1. STORM SEWER MATERIALS SHALL BE INSTALLED AS SHOWN ON THE PLANS.

2. STORM SEWER MATERIAL DESIGNATIONS SHALL BE FURTHER DEFINED AS FOLLOWS :
"HDPE" - HIGH DENSITY POLYETHYLENE PER AASHTO M294 OR ASTM F2306, INSTALLED PER ASTM D2321
"HDPEWT" - HDPE WATER TIGHT PER AASHTO M294 OR ASTM F2306 AND WITH JOINTS PER ASTM D3212, INSTALLED PER ASTM D2321
"RCP" - REINFORCED CONCRETE PIPE, CLASS PER ASTM C76/AASHTO M170 (MIN. CLASS III) AND JOINTS PER ASTM C443
"PVC" - SDR 26 PVC PER ASTM D3034

3. PRECAST STRUCTURES MAY BE USED AT THE CONTRACTOR'S OPTION.

4. ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 P.S.I. UNLESS OTHERWISE NOTED.

5. PROVIDE ANCHOR COLLARS ON ALL PIPES AT OR EXCEEDING 10% SLOPE FOR RCP AND 14% FOR CMP AND HDPE.

6. PROVIDE WATER-TIGHT JOINTS ON ALL STORM SEWER PIPES AT OR EXCEEDING 20% SLOPE.

7. PROVIDE SAFETY PLATFORMS IN ALL STRUCTURES GREATER THAN AND EQUAL TO 20' IN DEPTH. PLATFORMS FOR STRUCTURES BETWEEN 20' AND 24' ARE TO HAVE A MINIMUM OF ONE (1) PLATFORM INSTALLED AT THE MIDPOINT. STRUCTURES GREATER THAN 24' ARE TO HAVE PLATFORMS SPACED AT A MAXIMUM 10' ON CENTER.

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Hart County Schools

REVISIONS			
#	DATE	DESCRIPTION
1	08/11/2026	ADDENDUM #1

SHEET TITLE: GRADING PLAN

DATE: 8/11/2026

PROJECT NUMBER: 22248

SHEET NUMBER: C-2.1

Wednesday, September 9, 2026 11:09:26 AM - URLALOOU
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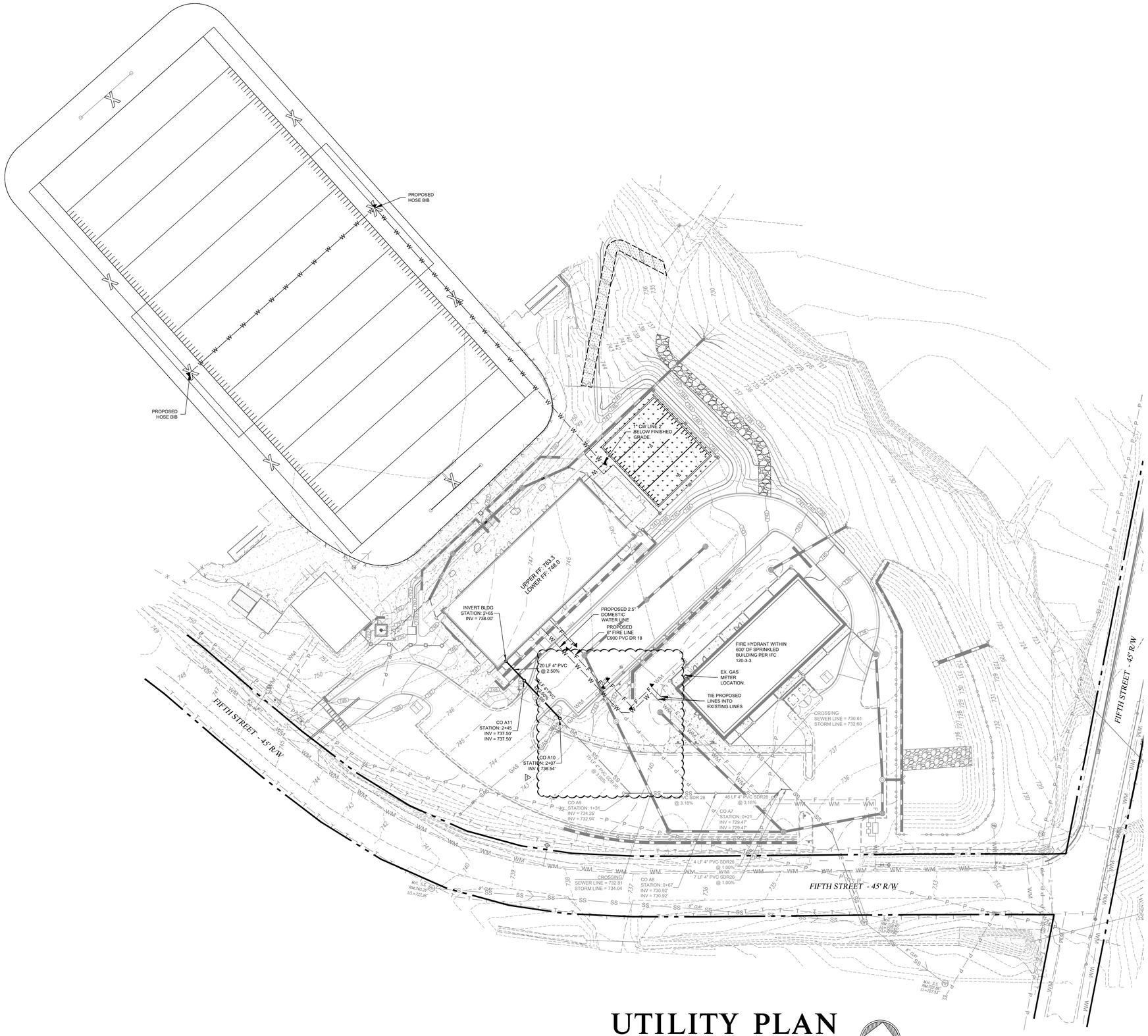

UTILITY PLAN

SCALE: 1" = 30'

30 0 30 60 90 FEET

SITE UTILITY NOTES

1. ALL WATER METERS, EXISTING AND PROPOSED, SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH "AS-CONSTRUCTED" FINISHED GRADES.

2. THE CONTRACTOR SHALL ADJUST ALL MANHOLE COVERS, VALVE COVERS, CLEAN OUTS, VAULTS AND BOXES EXISTING AND PROPOSED, TO "AS-CONSTRUCTED" FINISHED GRADE.

3. CONTRACTOR IS TO COORDINATE INSTALLATION OF GAS LINES WITH LOCAL GAS COMPANY. CONTRACTOR SHALL COORDINATE THE TYING IN OF INDIVIDUAL GAS METERS TO THE MAIN. CONTRACTOR, IN CONJUNCTION WITH THE GAS COMPANY SHALL DETERMINE THE AMOUNT OF GAS LINE HE IS TO PROVIDE OUTSIDE THE GAS COMPANY'S ALLOWANCE.

4. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.

5. THE LOCATION AND ELEVATION OF EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW PIPE LINES AND ALL CONFLICTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES.

6. THRUST BLOCKS SHALL BE LOCATED AT ALL WATER PIPE VALVES, VERTICAL BENDS, AND VERTICAL ELBOWS AND TEES, HORIZONTAL ELBOWS AND TEES. FIRE HYDRANTS SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH NFPA BULLETIN NO. 24, SECTION 96, PARAGRAPHS 9605, 9606, AND TABLE 9605.

7. SANITARY SEWER LINE SHALL BE OF DUCTILE IRON PIPE AT ALL LOCATIONS WHERE SANITARY LINE CROSSES ABOVE OR BELOW A STORM SEWER LINE.

8. SANITARY SEWER CLEAN OUTS SHALL BE INSTALLED AT ALL BENDS AND AT A MAXIMUM SPACING OF 75 (SEVENTY-FIVE) FEET.

9. WHEN WATER MAINS CROSS SEWERS, A MINIMUM VERTICAL SEPARATION OF 18 INCHES MUST BE PROVIDED BETWEEN THE TWO PIPES (MEASURED EDGE TO EDGE). AT CROSSINGS, ONE FULL LENGTH OF WATER PIPE MUST BE LOCATED SO THAT BOTH JOINTS ARE AS FAR FROM THE SEWER AS POSSIBLE. FOR SANITARY SEWER INSTALLATION, A HORIZONTAL SEPARATION OF 10 FEET SHALL BE PROVIDED FROM ANY EXISTING OR PROPOSED WATER MAINS OR SERVICE LINES (MEASURED EDGE TO EDGE).

10. LINES UNDERGROUND SHALL BE INSTALLED, TESTED AND APPROVED BEFORE BACKFILLING.

11. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY RELOCATION OF EXISTING UTILITIES SUCH AS POWER AND TELEPHONE POLES AND THE COORDINATION OF SUCH THE PROPER UTILITY OWNER.

13. THE PUBLIC WORKS COMMISSION SHALL BE NOTIFIED 24 HOURS PRIOR TO ANY WATER OR SEWER LINE CONSTRUCTION OR REPAIRS.
14. ALL WATER MAIN MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF HARTWELL "ZONING ORDINANCE," LATEST EDITION.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE DESIGNER AND/ OR THE CITY INSPECTOR UPON REQUEST. THE MARK-UPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED TO DEVELOP FINAL RECORD DRAWINGS.

16. THE CONTRACTOR MUST NOTIFY ENGINEER PRIOR TO COMMENCEMENT OF ANY WATER OR SEWER EXTENSION ACTIVITY AND BEFORE COVERING ANY WATER OR SEWER EXTENSIONS IN ORDER TO COORDINATE REQUIRED CERTIFICATIONS.

MATERIAL NOTES

1. SANITARY SEWER MATERIAL SHALL BE AS SHOWN ON THE PLANS.

2. SANITARY SEWER MATERIAL SHALL MEET THE MINIMUM REQUIREMENTS BELOW:
SDR 35 PVC (FOR COVER BETWEEN 7' AND 16') PER ASTM D3034;
SDR 26 PVC (FOR COVER BETWEEN 4' AND 7') PER ASTM D3034;
OR DUCTILE IRON PIPE (DIP) (FOR COVER LESS THAN 4' AND GREATER THAN 16') PER ASTM A746 AND AWWA C150.

3. WATER LINES SHALL BE AS FOLLOWS:
COPPER TUBING PER ASTM B88, TYPE K (MIN. 338 PSI PRESSURE RATING) (LESS THAN 3"),
PVC PER ASTM D2241, MIN. SDR 21 (200 PSI PRESSURE RATING) (2" TO 3"),
POLYETHYLENE (PE) WATER PIPE AWWA C901, MIN. SDR 9 (200 PSI PRESSURE RATING) (UP TO 3"),
DUCTILE IRON PIPE (DIP) PER AWWA C151, CLASS 350 (350 PSI PRESSURE RATING) (4" OR LARGER), OR
C900 DR18 PVC PER AWWA C900 (235 PSI PRESSURE RATING) (4" TO 12"),

4. PRECAST STRUCTURES MAY BE USED AT THE CONTRACTOR'S OPTION.

5. ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 P.S.I.

6. PROVIDE SAFETY PLATFORMS IN ALL STRUCTURES GREATER THAN AND EQUAL TO 20' IN DEPTH. PLATFORMS FOR STRUCTURES BETWEEN 20' AND 24' ARE TO HAVE A MINIMUM OF ONE (1) PLATFORM INSTALLED AT THE MIDPOINT. STRUCTURES GREATER THAN 24' ARE TO HAVE PLATFORMS SPACED AT A MAXIMUM 10' ON CENTER.

7. WATER LINE MATERIALS SHALL BE ADEQUATE FOR THE STATIC PRESSURE OBSERVED IN THE EXISTING SYSTEM USING A MINIMUM SAFETY FACTOR OF 1.5.

8. ALL PVC OF HDPE MUST HAVE 10 AWG TRACER WIRE WITH SS OR WATER MAINS.

UTILITIES SYMBOLS LEGEND

G — G	EX. GAS (TO REMAIN)
T — T	EX. TELEPHONE (TO REMAIN)
P — P	EX. POWER (TO REMAIN)
SS — SS	EX. SANITARY SEWER (TO REMAIN)
SS — SS	PROPOSED SANITARY SEWER
W — W	EX. WATER (TO REMAIN)
W — W	PROPOSED WATER
F — F	PROPOSED FIRE
	EX. STORM (TO REMAIN)
	PROPOSED STORM
	SANITARY SEWER MANHOLE, MH
	CLEAN OUT, C.O.
	FIRE DEPARTMENT CONNECTION, FDC
	POST INDICATOR VALVE, PIV
	FIRE HYDRANT
	TEE
	METER
	ELBOW
	VALVE
	THRUST BLOCK

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9/02/2026

Hart County High School
Hart County Field House
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Hart County Schools

REVISIONS			
#	DATE	DESCRIPTION
1	08/11/2026	ADDENDUM #1

SHEET TITLE: UTILITY PLAN

DATE: 8/11/2026

PROJECT NUMBER: 22248

SHEET NUMBER: C-3

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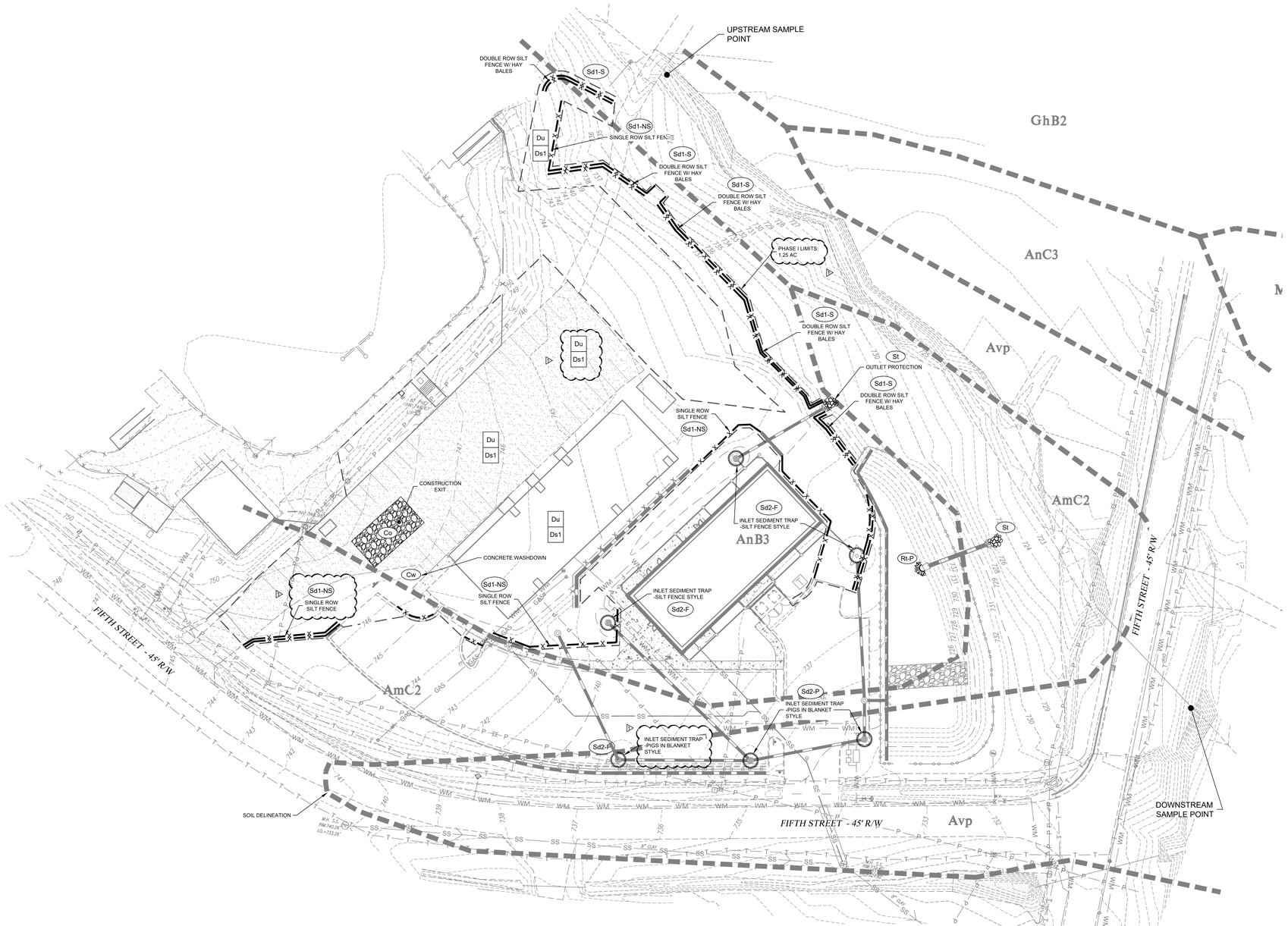

EROSION SEDIMENT & POLLUTION CONTROL PLAN - PHASE I

SCALE: 1" = 30'

30 0 30 60 90 FEET

NORTH

PHASE II DISTURBED AREA LIMITS =1.25AC.

NOTE

1. A CHANGE OF 25 NTU OR LESS BETWEEN UPSTREAM AND DOWNSTREAM SAMPLING POINTS FOR A WARM WATER STREAM IS REQUIRED.

SOIL TYPES

SOIL DESCRIPTIONS OBTAINED FROM A SOIL SURVEY OF HART COUNTY, GEORGIA.

MAP SYMBOL - DESCRIPTION - SLOPES

AmC2 - APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES, SOIL GROUP B

AnB3 - APPLING SANDY CLAY LOAM, 2 TO 6 PERCENT SLOPES, SOIL GROUP B

AnC3 - APPLING SANDY CLAY LOAM, 6 TO 10 PERCENT SLOPES, SOIL GROUP B

Avp - ALLUVIAL LAND WET, SOIL GROUP B/D

GhB2 - GROVER SANDY LOAM, 2 TO 6 PERCENT SLOPES, SOIL GROUP B

MIB3 - MADISON SANDY CLAY LOAM, 2 TO 6 PERCENT SLOPES, SOIL GROUP B

MIC3 - MADISON SANDY CLAY LOAM, 6 TO 10 PERCENT SLOPES, SOIL GROUP B

24 HOUR CONTACT

BROOKS MEWBORN
24 HR PHONE NUMBER
59 FIFTH STREET
HARTWELL, GA 30643
PHONE : (706) 436-1430
BMEWBORN@HART.K12.GA.US

NOTIFY CITY OF HARTWELL INSPECTOR 24 HOURS BEFORE THE BEGINNING PHASE OF CONSTRUCTION (707) 436-1430

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GA COA # PEF000562 EXPIRES: 06/30/2028

GSWCC LEVEL II DESIGN
PROF. CERT#0000103542
9/02/2026

Hart County High School
Hart County Field House
59 5th St,Hartwell, Georgia, 30643
Hart County Schools

REVISIONS	DATE	DESCRIPTION
1	08/11/2026	ADDENDUM #1

SHEET TITLE: EROSION SEDIMENT & POLLUTION CONTROL PLAN - PHASE I

DATE: 8/11/2026

PROJECT NUMBER: 22248

SHEET NUMBER: C-4.1

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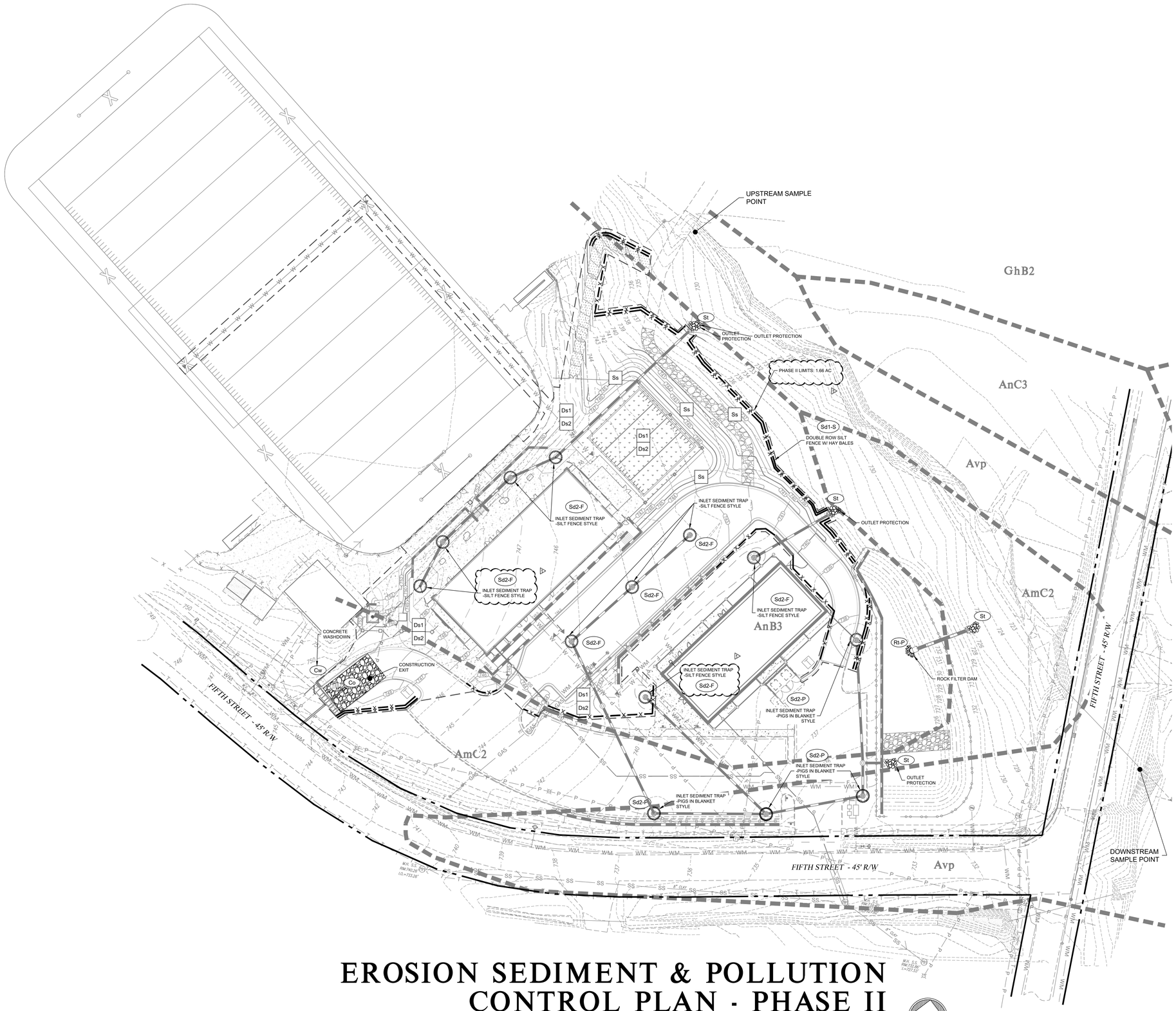

EROSION SEDIMENT & POLLUTION CONTROL PLAN - PHASE II

SCALE: 1" = 30'

30 0 30 60 90 FEET

NORTH

NOTE

1. A CHANGE OF 25 NTU OR LESS BETWEEN UPSTREAM AND DOWNSTREAM SAMPLING POINTS FOR A WARM WATER STREAM IS REQUIRED.

PHASE II DISTURBED AREA LIMITS =1.25 AC.

SOIL TYPES

SOIL DESCRIPTIONS OBTAINED FROM A SOIL SURVEY OF HART COUNTY, GEORGIA.

MAP SYMBOL - DESCRIPTION - SLOPES

AmC2 - APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES, SOIL GROUP B

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AnC3 - APPLING SANDY CLAY LOAM, 6 TO 10 PERCENT SLOPES, SOIL GROUP B

Avp - ALLUVIAL LAND WET, SOIL GROUP B/D

GhB2 - GROVER SANDY LOAM, 2 TO 6 PERCENT SLOPES, SOIL GROUP B

MIB3 - MADISON SANDY CLAY LOAM, 2 TO 6 PERCENT SLOPES, SOIL GROUP B

MIC3 - MADISON SANDY CLAY LOAM, 6 TO 10 PERCENT SLOPES, SOIL GROUP B

24 HOUR CONTACT

BROOKS MEWBORN
24 HR PHONE NUMBER
59 FIFTH STREET
HARTWELL, GA 30643
PHONE : (706) 436-1430
BMEWBORN@HART.K12.GA.US

NOTIFY CITY OF HARTWELL INSPECTOR 24 HOURS BEFORE THE BEGINNING PHASE OF CONSTRUCTION (707) 436-1430

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GSWCC LEVEL II DESIGN
PROF. CERT#00001033542
9/02/2026

Hart County High School
Hart County Field House
59 5th St,Hartwell, Georgia, 30643
Hart County Schools

REVISIONS	DATE	DESCRIPTION
1	08/11/2026	ADDENDUM #1

SHEET TITLE: EROSION SEDIMENT & POLLUTION CONTROL PLAN - PHASE II

DATE: 8/11/2026

PROJECT NUMBER: 22248

SHEET NUMBER: C-4.2

Wednesday, September 2, 2026 11:00:38 AM (GRAYNOC)
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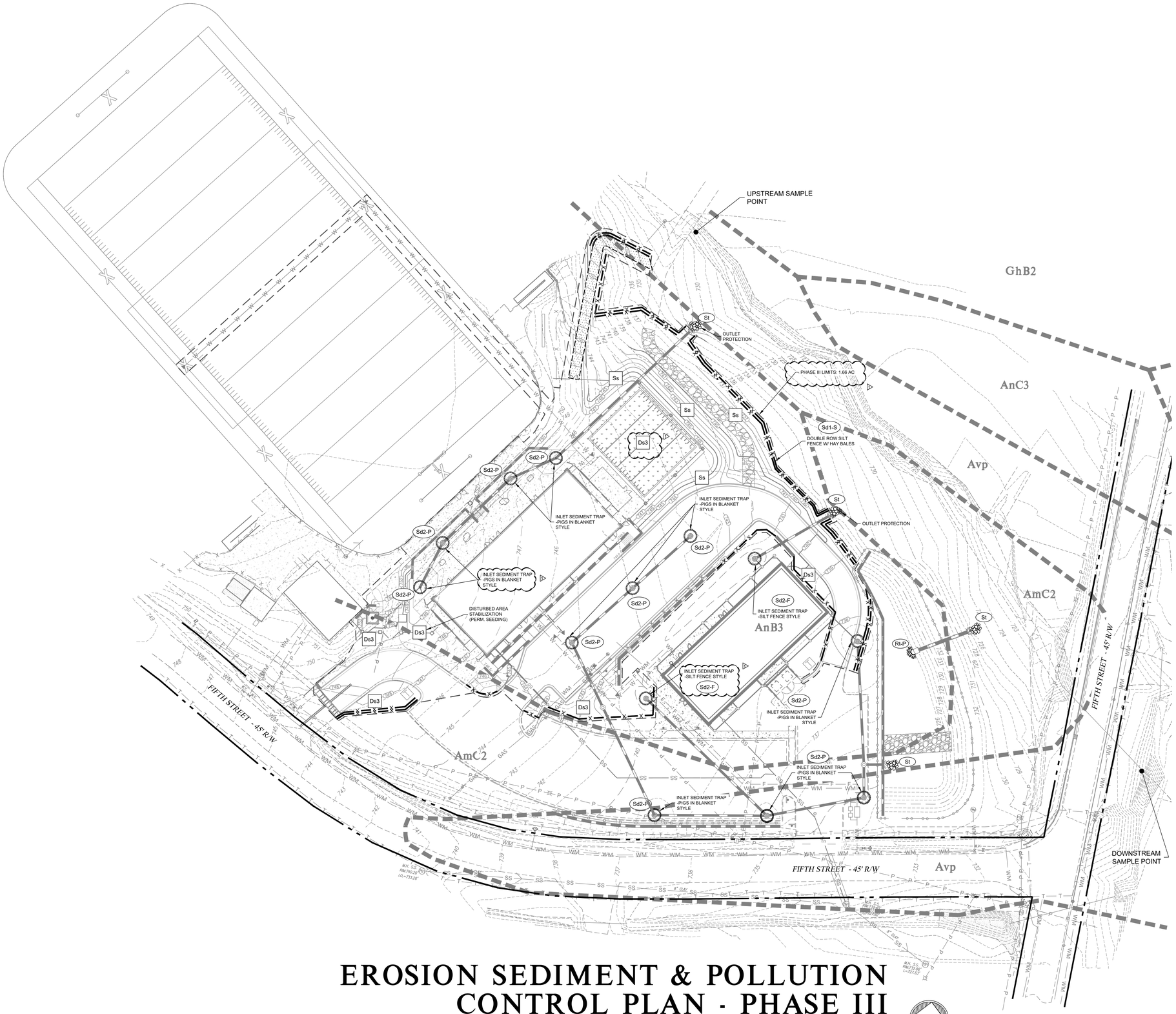

EROSION SEDIMENT & POLLUTION CONTROL PLAN - PHASE III

SCALE: 1" = 30'

30 0 30 60 90 FEET

NORTH

PHASE III DISTURBED AREA LIMITS = 1.25 AC.

NOTE

1. A CHANGE OF 25 NTU OR LESS BETWEEN UPSTREAM AND DOWNSTREAM SAMPLING POINTS FOR A WARM WATER STREAM IS REQUIRED.

SOIL TYPES

SOIL DESCRIPTIONS OBTAINED FROM A SOIL SURVEY OF HART COUNTY, GEORGIA.

MAP SYMBOL - DESCRIPTION - SLOPES

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AnC3 - APPLING SANDY CLAY LOAM, 6 TO 10 PERCENT SLOPES, SOIL GROUP B

Avp - ALLUVIAL LAND WET, SOIL GROUP B/D

GhB2 - GROVER SANDY LOAM, 2 TO 6 PERCENT SLOPES, SOIL GROUP B

MlB3 - MADISON SANDY CLAY LOAM, 2 TO 6 PERCENT SLOPES, SOIL GROUP B

MlC3 - MADISON SANDY CLAY LOAM, 6 TO 10 PERCENT SLOPES, SOIL GROUP B

24 HOUR CONTACT

BROOKS MEWBORN
24 HR PHONE NUMBER
59 FIFTH STREET
HARTWELL, GA 30643
PHONE : (706) 436-1430
BMEWBORN@HART.K12.GA.US

NOTIFY CITY OF HARTWELL INSPECTOR 24 HOURS BEFORE THE BEGINNING PHASE OF CONSTRUCTION (707) 436-1430

GEORGIA811
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ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS
3460 Preston Ridge Road . Suite 275 . Alpharetta, GA. 30005
770.674.2600 / www.rlrpc.com
GA COA # PEF000562 EXPIRES: 06/30/2028

GSWCC LEVEL II DESIGN PROF. CERT#0000103542 9/02/2026

Hart County High School
Hart County Field House
59 5th St,Hartwell, Georgia, 30643
Hart County Schools

REVISIONS	DATE	DESCRIPTION
1	08/11/2026	ADDENDUM #1

SHEET TITLE: EROSION SEDIMENT & POLLUTION CONTROL PLAN - PHASE III

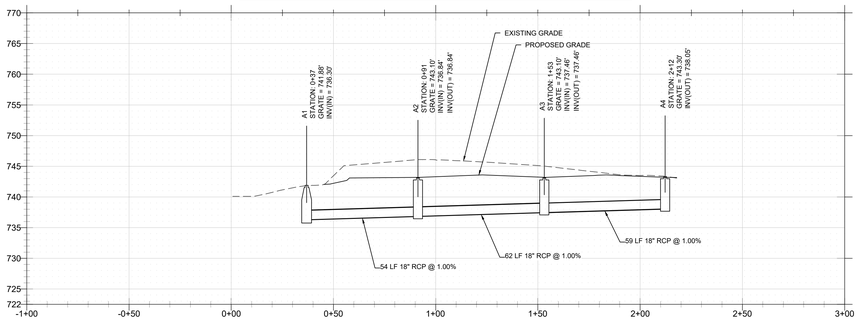
DATE: 8/11/2026

PROJECT NUMBER: 22248

SHEET NUMBER: C-4.3

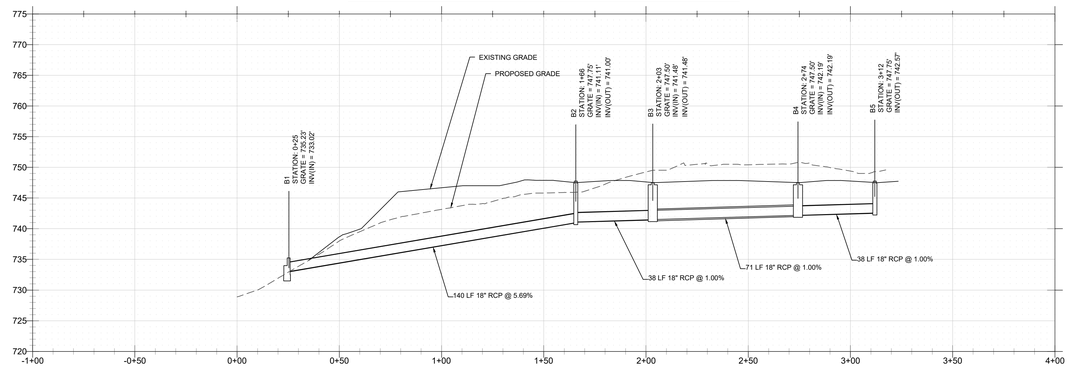
Wednesday, September 2, 2026 11:09:43 AM (JERLANDO)
V:\Projects\2022\22248\Dwg\22248-C-4.dwg
ANSI A (8.50 x 11.00 Inches)

STORMWATER PROFILE VIEW OF STORM A



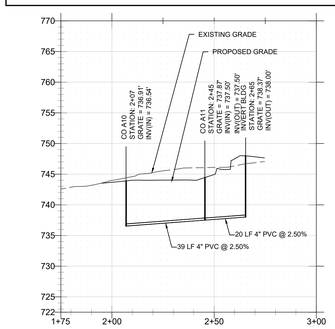
SCALE:
1" = 1' H
1" = 0' V

STORMWATER PROFILE VIEW OF STORM B



SCALE:
1" = 1' H
1" = 0' V

SANITARY SEWER PROFILE VIEW OF SS



SCALE:
1" = 1' H
1" = 0' V

PROFILES

SCALE: 1" = 30'

30 0 30 60 90 FEET

NORTH

ROBERTSON LOIA ROOF
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770.674.2600 / www.rlrpc.com
GA COA # PEF000562 EXPIRES: 06/30/2028

9/02/2026

Hart County High School
Hart County Field House
59 5th St,Hartwell, Georgia, 30643
FOR:
Hart County Schools

REVISIONS			
#	DATE	DESCRIPTION
1	08/11/2026	ADDENDUM #1

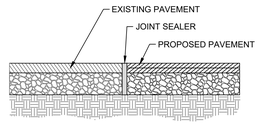
SHEET TITLE
PROFILES

DATE
8/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
C-5

Wednesday, September 9, 2026 11:09:27 AM (JBLAUDON)
Y:\Projects\22248 Hart County HS\D-SD\22248-Cover.dwg
ANSI A (8.50 x 11.00 Inches)

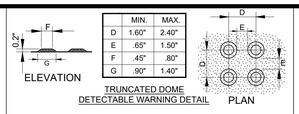


NOTE:
PROPOSED PAVEMENT TO MATCH ELEVATION OF EXISTING PAVEMENT. SAW CUT EXISTING PAVEMENT AS NECESSARY TO OBTAIN A FULL DEPTH SEAL BETWEEN THE PROPOSED PAVEMENT AND THE EXISTING PAVEMENT.

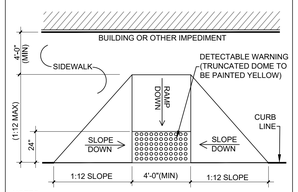
PAVEMENT TRANSITION

SCALE: NONE

DETAIL # CSP-10.1



	MIN.	MAX.
D	1.60"	2.40"
E	.65"	1.50"
F	.45"	.80"
G	.90"	1.40"



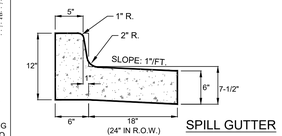
NOTES:
1. ALL ACCESSIBLE AREAS ARE TO MEET ADA GUIDELINES.
2. ALL CURB RAMPS ARE TO HAVE A MAXIMUM HEIGHT OF SIX INCHES AND HAVE A SLOPE NO STEEPER THAN 12:1 (1 INCH/ FOOT).
3. AN ACCESSIBLE ROUTE MUST CONNECT ACCESSIBLE PARKING/ LOADING, PUBLIC STREETS/ SIDEWALKS/ TRANSPORTATION STOPS, AND THE ACCESSIBLE BUIDLING(S) THEY SERVE.
4. ACCESSIBLE ROUTES MUST HAVE A RUNNING SLOPE NO STEEPER THAN 20:1 (5%) UNLESS A ACCESSIBLE RAMP IS PROVIDED.

ACCESSIBLE CURB RAMP

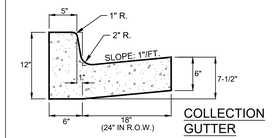
SCALE: NONE

DETAIL # CSP-06.2

MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS = 40.0'.
EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND CURB RETURNS.



SPILL GUTTER



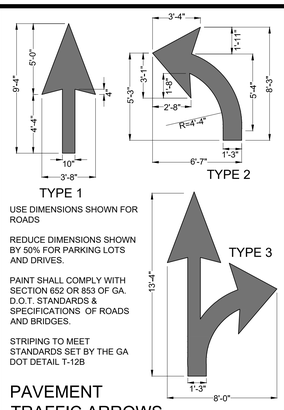
COLLECTION GUTTER

CONCRETE CURB & GUTTER

SCALE: NONE

DETAIL # CSP-08.1

DETAIL SHOWN ABOVE IS SPECIFICALLY FOR CONDITION WHERE ASPHALT SLOPES TOWARD CURB. WHERE ASPHALT SLOPES AWAY FROM CURB, GUTTER SHALL ALSO SLOPE AWAY FROM CURB FACE TO MATCH SLOPE OF ADJACENT PAVING.



USE DIMENSIONS SHOWN FOR ROADS

REDUCE DIMENSIONS SHOWN BY 50% FOR PARKING LOTS AND DRIVES.

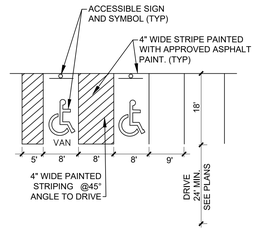
PAINT SHALL COMPLY WITH SECTION 652 OR 853 OF GA. D.O.T. STANDARDS & SPECIFICATIONS OF ROADS AND BRIDGES.

STRIPING TO MEET STANDARDS SET BY THE GA DOT DETAIL T-12B

PAVEMENT TRAFFIC ARROWS

SCALE: NONE

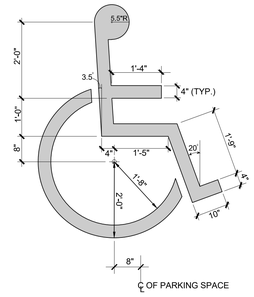
DETAIL # CSP-05.3



90° ACCESSIBLE PARKING

SCALE: NONE

DETAIL # CSP-04.1

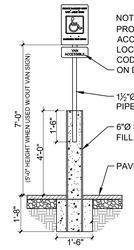


NOTE:
SYMBOL SHALL BE PAINTED BLUE AND SHALL MEET THE REQUIREMENTS OF GDOT SECTION 655.

ACCESSIBLE PARKING SYMBOL

SCALE: NONE

DETAIL # CSP-03.1



NOTE:
PROVIDE ADDITIONAL "VAN ACCESSIBLE" SIGNAGE AT LOCATIONS REQUIRED BY CODE AND/OR AS INDICATED ON DRAWINGS.

1½"Ø GALVANIZED STEEL PIPE.

6"Ø STEEL PIPE W/ CONCRETE FILL. PAINT YELLOW.

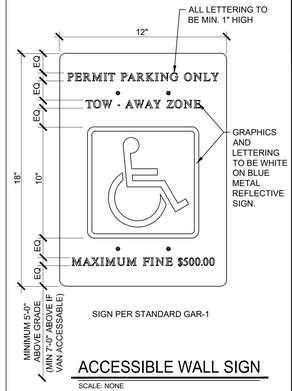
PAVEMENT FINISH GRADE

NOTES:
1. ALL SIGNS SHOWN SHALL BE REFLECTORIZED TO SHOW THE SAME COLOR BY NIGHT AS BY DAY.
2. ALL SIGNS SHALL BE SECURELY MOUNTED ON GALVANIZED STEEL CHANNEL POSTS.
3. INSTALL QUANTITY AND AT LOCATIONS REQUIRED BY CODE AND/OR AS INDICATED ON DRAWINGS. CONFIRM ALL ACCESSIBLE SIGNAGE CODES.

ACCESSIBLE POST SIGN (GEORGIA)

SCALE: NONE

DETAIL # CSP-02.4

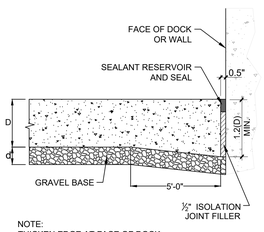


SIGN PER STANDARD GAR-1

ACCESSIBLE WALL SIGN

SCALE: NONE

DETAIL # CSP-01.1



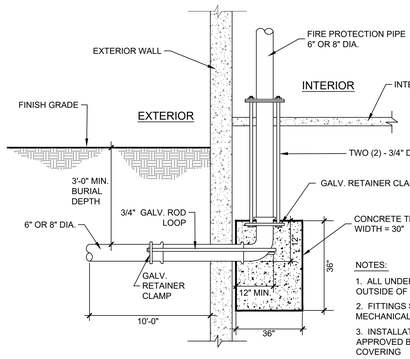
NOTE:
THICKEN EDGE AT FACE OF DOCK, WALLS AND STRUCTURES.

D = VARIES. SEE SITE PLAN.
d = VARIES. SEE SITE PLAN.

EXPANSION JOINT

SCALE: NONE

DETAIL # CSP-09.4



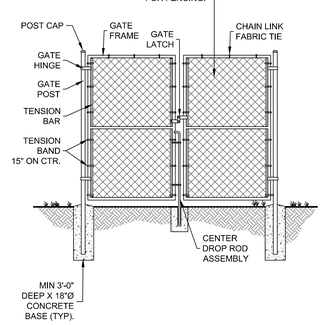
NOTES:
1. ALL UNDERGROUND PIPE TO WITHIN 10'-0" OF OUTSIDE OF BUILDING SHALL BE D.I.P. CLASS 51
2. FITTINGS SHALL BE SLIP JOINT OR MECHANICAL JOINT
3. INSTALLATION SHALL BE INSPECTED AND APPROVED BY THE LOCAL INSPECTOR BEFORE COVERING

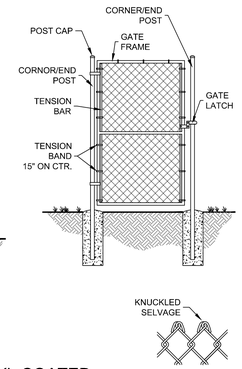
FIRE RISER CONNECTION

SCALE: NONE

DETAIL # CUP-02.1

FABRIC: NO.9 GA. VINYL COATED STEEL WIRES, 2" MESH, WITH BOTH TOP AND BOTTOM SELVAGES KNUCKLED. FURNISH ONE-PIECE FABRIC WIDTHS FOR FENCING.

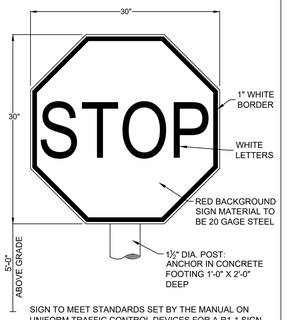




CHAIN LINK GATE - VINYL COATED

SCALE: NONE

DETAIL # CSP-26.3

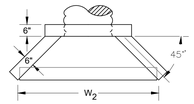


SIGN TO MEET STANDARDS SET BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR A R1-1 SIGN.

STOP SIGN

SCALE: NONE

DETAIL # CSP-18.1



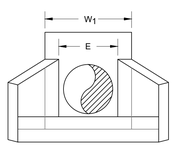
PLAN

TABLE I

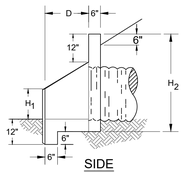
HEADWALL DIMENSIONS FOR METAL PIPE *

INSIDE DIA. OF PIPE	W_1	W_2	H_1	H_2	D	E	WT.	SQ.FT.IN BASE AREA
18"	3'-2"	4'-10"	1'-3"	3'-2"	1'-3"	1'-9"	1,550	7.34
21",24"	3'-8"	6'-1"	1'-9"	3'-8"	1'-6"	2'-3"	2,100	9.90
30"	4'-2"	7'-2"	2'-0"	4'-2"	1'-10"	2'-9"	2,850	13.50
36"	4'-8"	8"-4"	2'-4"	4'-8"	2'-2"	3'-3"	3,700	17.65
42",48",54"	5'-8"	10'-10"	3'-3"	5'-8"	2'-11"	4'-3"	5,600	28.60

* USE NEXT LARGER SIZE FOR CONCRETE PIPE



FRONT ELEVATION



SIDE

NOTES:

1. ALL CONCRETE SHALL BE 4000 PSI.

2. PROVIDE #4 DEFORMED BARS AT 12" ON CENTER HORIZONTAL AND VERTICAL AT CENTER OF WALLS. REINFORCING SHALL BE GRADE 60. DOWEL VERTICAL REINFORCING BARS INTO BASE.

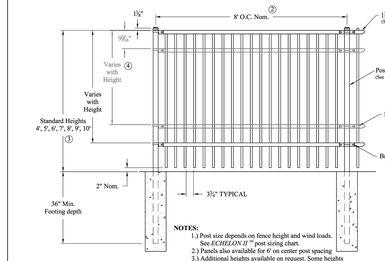
3. CHAMFER ALL EXPOSED EDGES 3/4"

G.D.O.T. STD. 1001-B

HEADWALL DETAIL

NOT TO SCALE

DETAIL # CGP-03.1

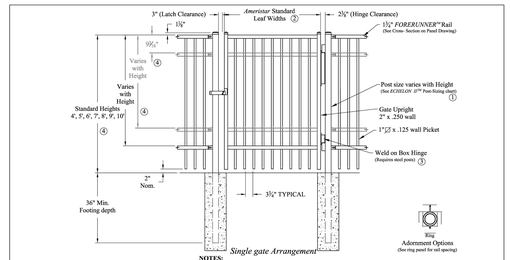


NOTES:
1.) Post size depends on fence height and wind loads. See *ECHELON II ™* post sizing chart.
2.) Panels also available for 6' on center post spacing
3.) Additional heights available on request. Some heights noted require a third and/or fourth rail.
4.) Third and Fourth rail optional.

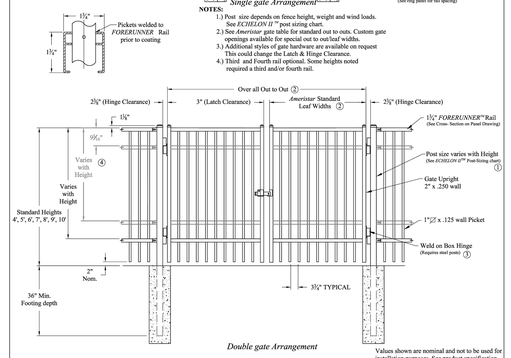
2AMI900

ECHELON II MAJECTIC 2/3/4-RAIL			
DR: NJB	SH . 1of 1	SCALE:	DO NOT SCALE
CK: BS	Date 2-07-12	REV:	e

AMERISTAR®
1555 N. Mingo
Tulsa, OK 74116
1-888-333-3422
www.ameristarfence.com



Single gate Arrangement



Double gate Arrangement

Pickets welded to *FOREERUNNER* Rail prior to coating.

INDUSTRIAL STRENGTH ALUMINUM

Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

2AMI900

ECHELON II MAJECTIC 2/3/4-RAIL SGL & DBL GATE			
DR: NJB	SH . 1of 1	SCALE:	DO NOT SCALE
CK: BS	Date 2-07-12	REV:	d

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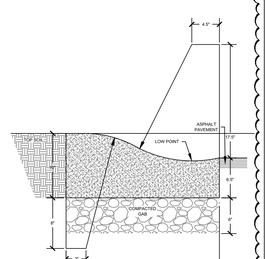
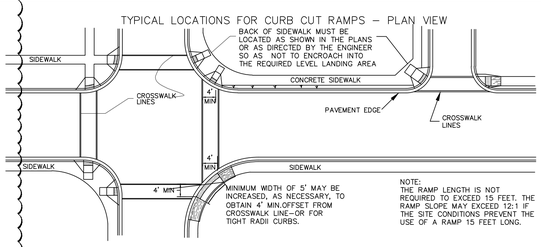


CONCRETE ROLL CURB

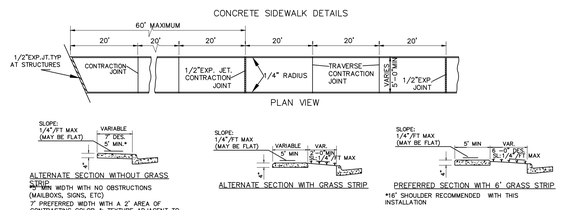
SCALE: NONE

DETAIL # CSP-08.5



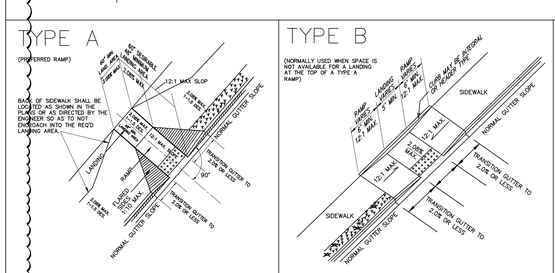
MINIMUM WIDTH OF 5' MAY BE INCREASED, AS NECESSARY, TO OBTAIN 4' MIN.OFFSET FROM CROSSWALK LINE–OR FOR TIGHT RADII CURBS.

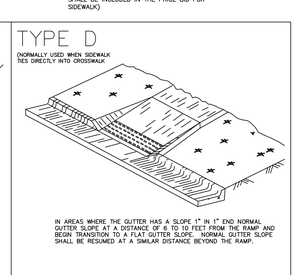
NOTE:
THE RAMP LENGTH IS NOT REQUIRED TO EXCEED 15 FEET. THE RAMP SLOPE MAY EXCEED 12:1 IF THE SITE CONDITIONS PREVENT THE USE OF A RAMP 15 FEET LONG.



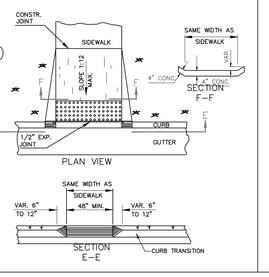
*7' PREFERRED WIDTH WITH A 2' AREA OF CONTRASTING COLOR & TEXTURE ADJACENT TO THE CURB. (COST OF TEXTURE,COLORING & HOLES REQUIRED FOR MAILBOX AND SIGN POST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK)

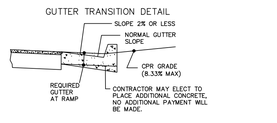
*16" SHOULDER RECOMMENDED WITH THIS INSTALLATION





IN AREAS WHERE THE GUTTER HAS A SLOPE 1" IN 1" END NORMAL GUTTER SLOPE AT A DISTANCE OF 6 TO 10 FEET FROM THE RAMP AND BEGIN TRANSITION TO A FLAT GUTTER SLOPE. NORMAL GUTTER SLOPE SHALL BE RESUMED AT A SIMILAR DISTANCE BEYOND THE RAMP.



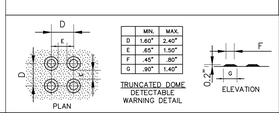


NOTES FOR CONCRETE SIDEWALKS:
A. CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF–BRISTLE BROOMS.
B. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 20 FT. INTERVALS ALL EDGES TO BE ROUNDED TO 1/4" RADIUS.
C. 1/2" EXPANSION JOINTS SHALL BE ACED, WHERE SIDEWALK TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.

NOTES FOR CURB CUT RAMPS:
1 . CURB CUT RAMPS WILL BE LOCATED AS FOLLOWS UNLESS PLANS OR CONTRACT SPECIFY OTHERWISE.
A) AT ALL PEDESTRIAN CROSSWALKS WHERE CURB IS CONSTRUCTED OR REPLACED.
B) WHERE THE SIDEWALK, CONCRETE OR UNPAVED. IS INTERRUPTED BY THE CURB A TURNOUTS OR AT INTERSECTIONS.
C) AT OTHER LOCATIONS SUCH AS HOSPITALS, NURSING HOMES, REST AREAS, ETC., WHERE THE CURB WOULD OTHERWISE BE AN OBSTRUCTION TO THE PHYSICALLY DISABLED.
2. RAMPS WILL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMP WILL BE THE THE SAME AS FOR CONCRETE SIDEWALK. RAMPS SHALL HAVE EITHER A ROUGH OR A TEXTURED FINISH.
3. DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMPS. CATCH BASINS SHOULD BE LOCATED AT LEAST 10 FT. FROM RAMPS WHEN FEASIBLE.
4. WHERE RAMPS ARE LOCATED IN RADII, THE DIMENSIONS SHOW FOR RAMP WIDTHS AND TAPERS ARE MEASURED PERPENDICULAR TO THE RAMP AND NOT ALONG THE CURVE.
5. WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT SKEWED INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGNS MAY BE MODIFIED BY THE DESIGNER OR ENGINEER, PROVIDED THAT THE WIDTH REMAINS A MINIMUM OF 48 INCHES, AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1.
6. LIN. FIT. OF CURB AND GUTTER WILL INCLUDE THE TRANSITIONED CURB IN FRONT OF RAMPS. SQ. YDS. OF CONCRETE SIDEWALK AND CONCRETE MEDIAN PAVING WILL INCLUDE RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR CURB RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR SAWING AND REMOVING EXISTING SIDEWALK OR CURB WHERE NECESSARY FOR RAMP CONSTRUCTION.
7. WHEN A CURB RAMP IS PLACED ON EXISTING PAVEMENT. THE PAVEMENT SHALL BE REMOVED TO PROVIDED A MINIMUM THICKNESS OF 3 INCHES OF CONCRETE AT ALL LOCATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR THE REMOVAL OF THE PAVEMENT.

THIS DETAIL REPLACES GA STANDARD 9031W

GUIDELINES FOR USAGE ON METRIC PROJECTS
WHEN THESE DETAILS ARE INCORPORATED INTO PLANS AND OR PROJECTS THAT ARE BEING PREPARED OR CONSTRUCTED IN METRIC UNITS, EXACT OR PRECISE CONVERSION FACTORS" 1"=25mm, 4"=100mm, AND 12" OR 1'=300mm. ALL MEASUREMENT NOTES THAT REFER TO LINEAR FEET AND SQUARE YARDS SHALL BE INTERPRETED TO MEAN LINEAR METERS AND SQUARE METERS.



	MIN.	MAX.
D	1.60"	2.40"
E	.65"	1.50"
F	.45"	.80"
G	.90"	1.40"

TRUNCATED DOME DETECTABLE WARNING DETAIL

G.D.O.T. WHEELCHAIR RAMPS DETAIL A3

SCALE: NONE

GDOT SPECIAL DETAIL A3
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR RAMPS)

DETAIL # CSP–06.1

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GA COA # PEF000562 EXPIRES: 06/30/2026

GSWCC LEVEL II DESIGN
PROF. CERT#0000103542
9/02/2026

Hart County High School
Hart County Field House
59 5th St,Hartwell, Georgia, 30643
Hart County Schools

REVISIONS #	DATE	DESCRIPTION
1	08/11/2026	ADDENDUM #1

SHEET TITLE: DETAILS

DATE: 8/11/2026

PROJECT NUMBER: 22248

SHEET NUMBER: C-6.1

Wednesday, September 9, 2026 11:10:01 AM (JALALOCK)
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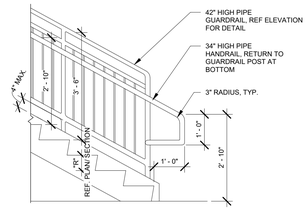
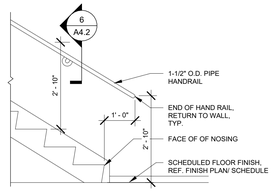
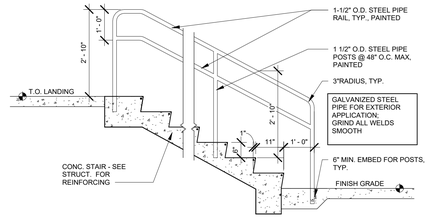


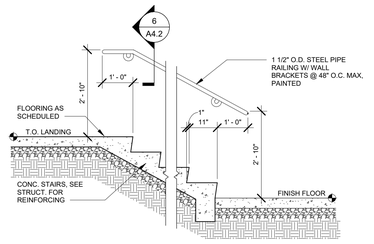
2 A1.1a STAIR GUARDRAIL/HANDRAIL AT STRINGER
1/2" = 1'-0"



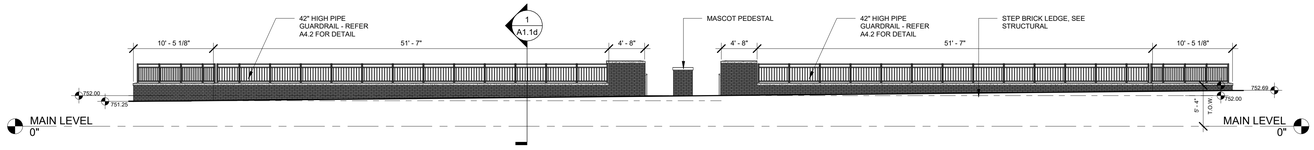
3 A1.1a STAIR HANDRAIL AT WALL
1/2" = 1'-0"



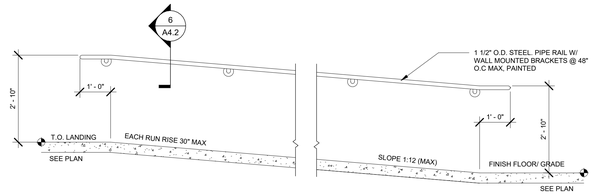
4 A1.1a CONC. STAIR W/ INTERMEDIATE HANDRAIL
1/2" = 1'-0"



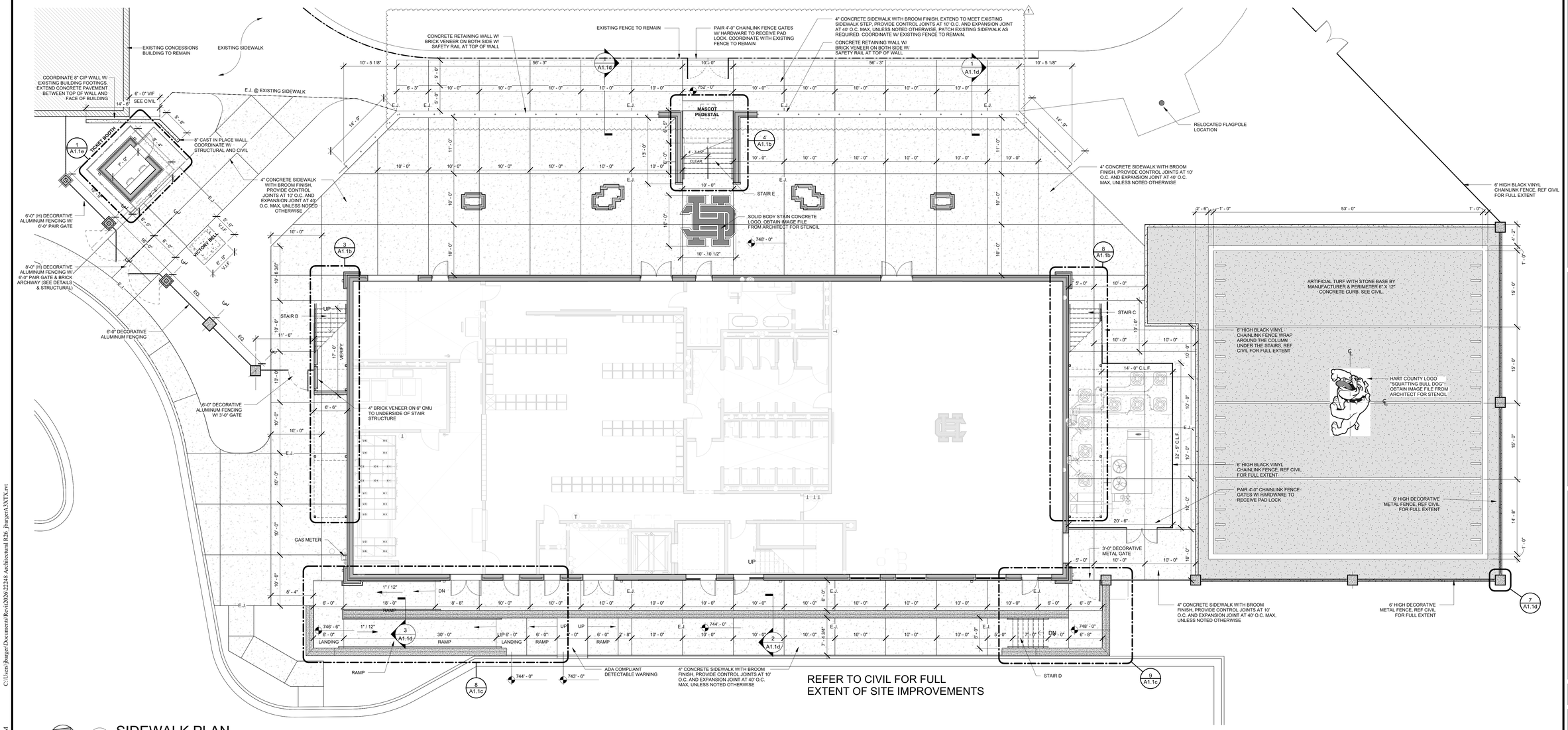
5 A1.1a CONC. STAIR W/ HANDRAIL AT WALL
1/2" = 1'-0"



6 A1.1a RETAINING WALL ELEVATION
1/8" = 1'-0"



7 A1.1a RAMP WITH WALL MOUNTED HANDRAIL
1/2" = 1'-0"



1 A1.1a SIDEWALK PLAN
1/8" = 1'-0"

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09/09/2026

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS		
#	DATE	DESCRIPTION
1	09/09/2026	ADDENDUM #1

SHEET TITLE
SIDEWALK PLAN

DATE
08/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
A1.1a

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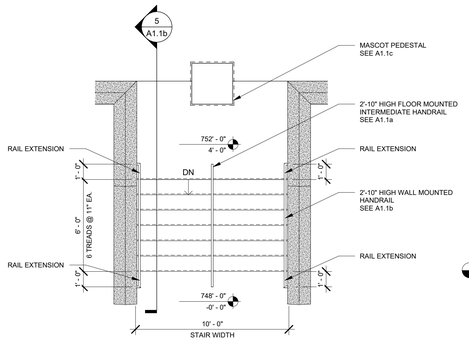
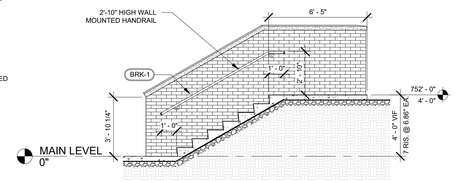
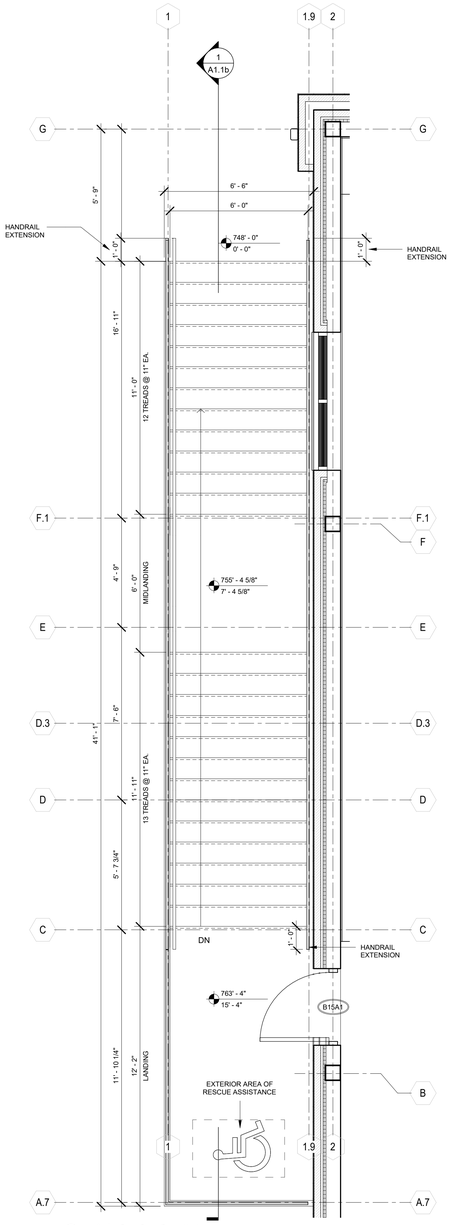


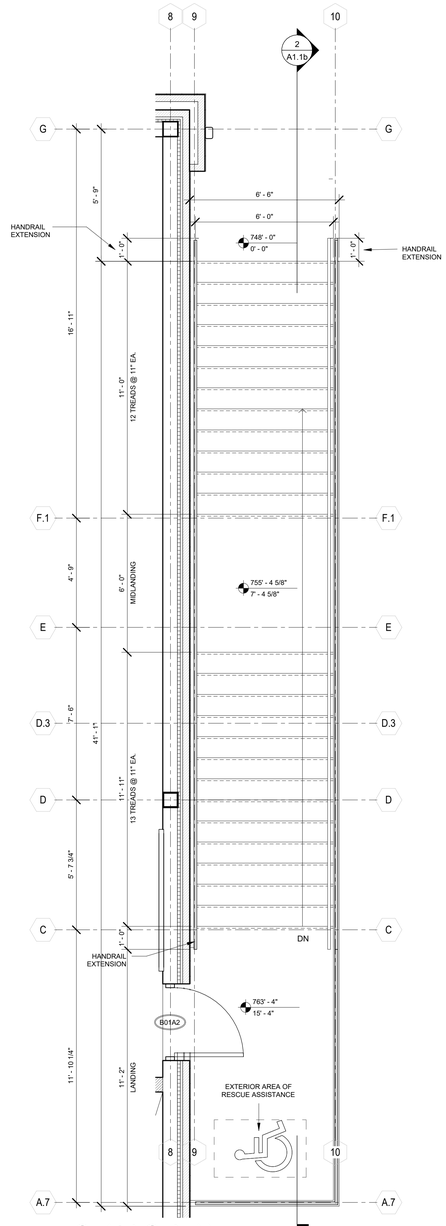
4 A1.1b STAIR E PLAN
1/4" = 1'-0"



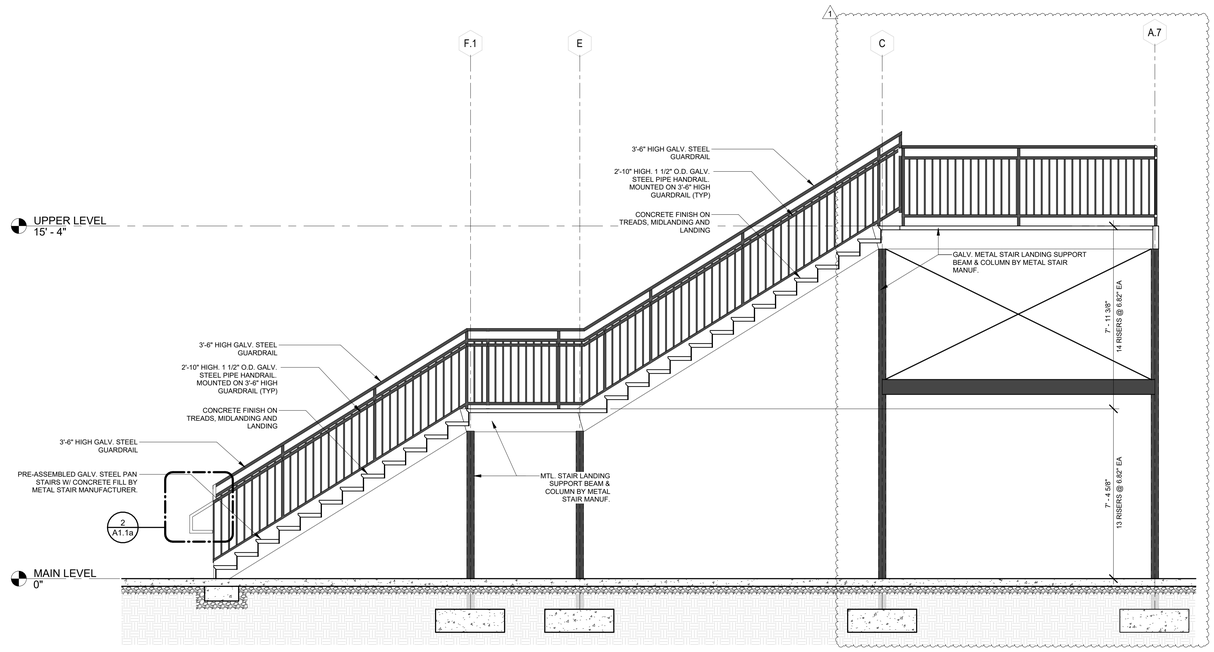
5 A1.1b STAIR E SECTION
1/4" = 1'-0"



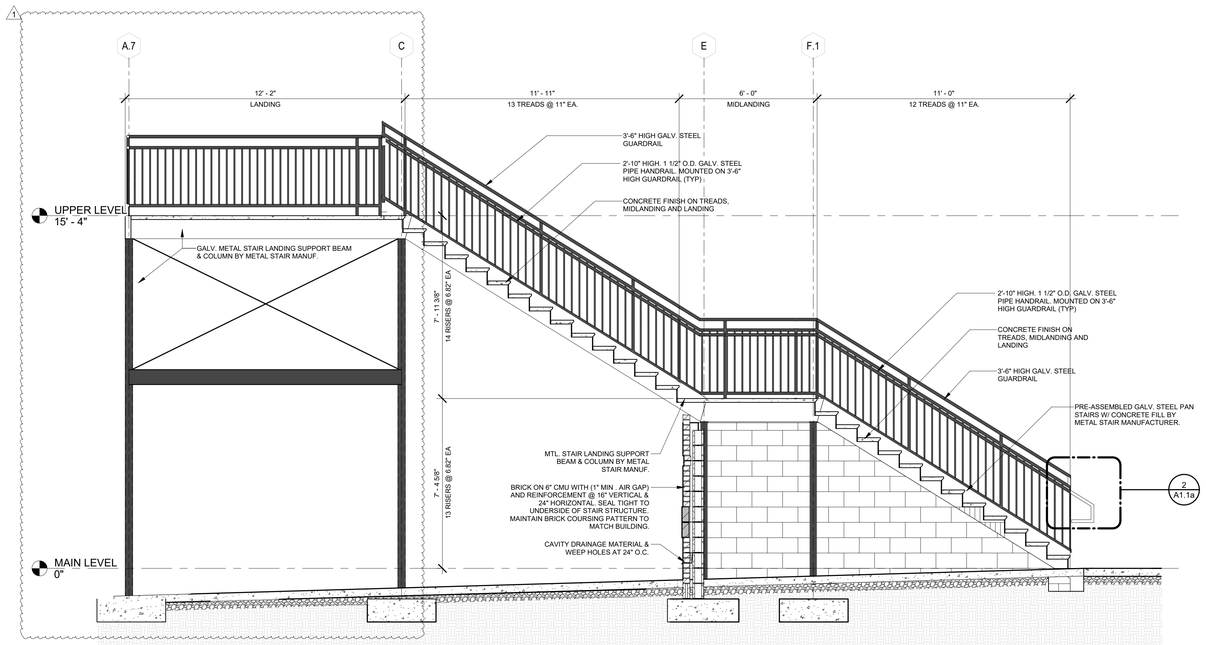
3 A1.1b STAIR B PLAN
3/8" = 1'-0"



8 A1.1b STAIR C PLAN
3/8" = 1'-0"



2 A1.1b STAIR C SECTION
3/8" = 1'-0"



1 A1.1b STAIR B SECTION
3/8" = 1'-0"

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09/09/2026

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS

#	DATE	DESCRIPTION
1	09/09/2026	ADDENDUM #1

SHEET TITLE
SIDEWALK DETAILS

DATE
08/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
A1.1b

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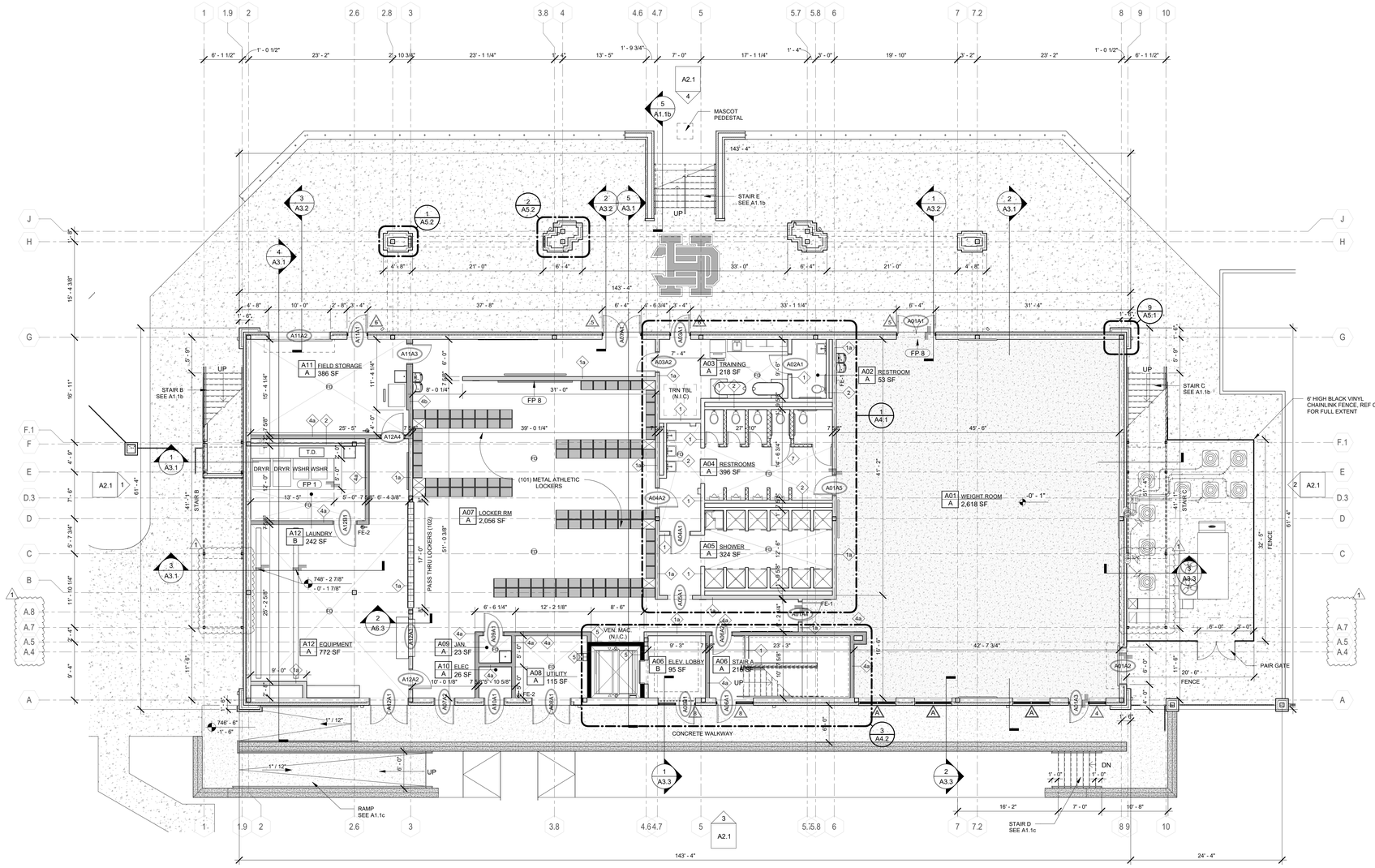

MAIN LEVEL FLOOR PLAN / LIFE SAFETY PLAN

1 / A1.2a

1/8" = 1'-0"

FLOOR PLAN LEGEND

GENERAL NOTES

A. SEE PLUMBING PLANS FOR IN-SLAB PLUMBING ROUGH-IN LOCATIONS.
B. SEE REFLECTED CEILING PLAN FOR SOFFIT DESIGN EXTENTS.
C. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL STOREFRONT LOCATIONS.
D. ALL DOORS TO BE LOCATED 8" OFF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
E. SEE ENLARGED FLOOR PLAN FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPE.
F. SEE ENLARGED FLOOR PLAN FOR PLUMBING FIXTURE ACCESSIBILITY ELEMENTS AND DIMENSIONS.

INTERIOR PARTITION NOTES

IP-1. ALL WALLS SHOWN TO BE 8" CMU INSTALLED TO UNDERSIDE OF TRUSSES, UNLESS NOTED OTHERWISE. REFER TO INTERIOR PARTITION WALL TYPE AND CONSTRUCTION LEGEND FOR ADDITIONAL WALL TYPES.
IP-2. REFER TO STRUCT. DWGS. FOR LOCATIONS & EXTENT OF REINFORCED CMU WALLS AND BRACING TO STRUCTURE.
IP-3. FOR 1 HOUR FIRE RATED WALLS WITH EXPOSED STRUCTURES ON ANY SIDE, START GYPSUM BOARD A MIN. OF 6" ABOVE HIGHEST ADJACENT CEILING, UNLESS NOTED OTHERWISE.

FIRE AND SMOKE PARTITIONS
IP-4. PROVIDE A SMOKE TIGHT BARRIER AT ALL CORRIDORS, GANG TOILET ROOMS, JANITOR'S CLOSETS AND STORAGE/UTILITY ROOMS, UNLESS A HIGHER FIRE/SMOKE RATING IS DEFINED ON THESE DRAWINGS. SEE REFLECTED CEILING PLAN FOR ADDITION REQUIREMENTS FOR THESE AREA.

INTERIOR PARTITION SCHEDULE

INTERIOR PARTITION WALL CONSTRUCTION LEGEND		
1 / 1a		STANDARD PARTITION: (#1) 8" CMU UP TO 2" MIN. ABOVE FINISHED CEILING OR (#1a) 8" CMU TO UNDERSIDE OF STRUCTURE OR FLUSH TO DECK. SEAL TIGHT.
2		6" CMU PARTITION: 6" CMU UP TO 2" MIN. ABOVE FINISHED CEILING
3		SMOKE PARTITION: 8" CMU UP TO 8" ABOVE FINISHED CEILING, UNLESS NOTED OTHERWISE
4		1-HOUR FIRE RATED PARTITION & SMOKE PARTITION: 8" CMU TO 8" ABOVE CEILING W/ 5/8" GYPSUM BOARD ON EACH SIDE OF 6" 22 GA. METAL STUDS @ 24" O.C. TO DECK; SEAL TIGHT TO DECK. SEE SCHEDULE NOTE #2 BELOW. UL DESIGN #U905 & #U465, UNLESS NOTED OTHERWISE
4a / 4b		1-HOUR FIRE RATED PARTITION & SMOKE PARTITION: (#4a) 8" CMU OR (#4b) 12" CMU FLUSH TO ROOF DECK, UL DESIGN # U905, UNLESS NOTED OTHERWISE
5		2-HOUR FIRE RATED FIREWALL: 8" CMU FLUSH TO ROOF DECK, UL DESIGN # U905, UNLESS NOTED OTHERWISE
6		8" CMU SOUND AND SMOKE WALL: 8" CMU FLUSH TO ROOF DECK, SEAL TIGHT TO DECK, FILL ALL VOID CELLS WITH FOAM IN PLACE MASONRY INSULATION, SOUND SEAL ALL PENETRATIONS TO ACHIEVE STC 53 OR HIGHER, PROVIDE GYP. BD W/ METAL STUDS BACK UP AT BEAM/JOIST LOCATIONS WITH SOUND BATT INSULATION, UNLESS NOTED OTHERWISE
7		6" CMU TOILET STALL WALL: 6" CMU UP TO 6'-0" A.F.F. WITH CAST CONCRETE TOP, SEE DETAIL 4/A4.1
8		8" CMU TOILET STALL WALL: 8" CMU UP TO 6'-0" A.F.F. WITH CAST CONCRETE TOP, SEE DETAIL 4/A4.1
9		8" CMU PARTIAL HEIGHT WALL: 8" CMU UP TO HEIGHT AS INDICATED ON PLAN OR SECTION
10a/ 10b		GYPSUM FIBER PANEL WALL: 5/8" GYPSUM BOARD (GB) ON EACH SIDE OF 3 5/8" (10a) OR 6" (10b) 22 GA. METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND BATT INSULATION, EXTEND WALL 6" ABOVE FINISHED CEILING., BRACE TO STRUCT. @ 48" O.C.
11		GYPSUM FIBER PANEL FURRING WALL: 5/8" GYPSUM BOARD (GB) ON EXPOSED SIDE OF 1 1/2" 25 GA. METAL FURRING @ 16" O.C., EXTEND WALL 6" ABOVE FINISHED CEILING
12		GYPSUM FIBER PANEL WALL: 5/8" GYPSUM BOARD (GB) ON ONE SIDE OF 6" 22 GA. METAL STUDS @ 16" O.C. WITH R-38 BATT INSULATION, BRACE TO STRUCT. @ 48" O.C. OR AS RECOMMENDED BY COLD FORMED METAL FRAMED MANUFACTURER.

SCHEDULE NOTES

1. PARTITION TYPES NOT SHOWN ALONG INTERIOR DOOR AND WINDOW HEADERS FOR CLARITY, WHERE APPLICABLE. PARTITION TYPE DEFINED ADJACENT TO HEADERS SHALL CONTINUE OVER SUCH HEADERS, UNLESS NOTED OTHERWISE.
2. WALLS NOT TAGGED WILL BE SAME TYPE AS ADJACENT WALLS UNLESS NOTED OTHERWISE.
3. REFER TO STRUCTURAL FOR SHEAR WALL LOCATIONS.

FLOOR PLAN SYMBOL LEGEND

- SUITE DESIGNATION — A01 ROOM NAME A 150 SF — ROOM DESIGNATION
- AX.X — ELEVATION INDICATOR
- AX.X — SECTION CUT INDICATOR
- AX.X — ENLARGED FLOOR PLAN
- FP 1 — DRAWING NOTE REFERENCE SEE BELOW
- A — EXTERIOR STOREFRONT WINDOW NUMBER, SEE SHEET A6.2 & A6.3
- 1 — INTERIOR HOLLOW METAL WINDOW NUMBER, SEE SHEET A6.1
- A01A1 — DOOR NUMBER, SEE DOOR AND SIGN SCHEDULE
- SLAB RECESS, REF. PLAN FOR DIMENSION
- FE 1 — FIRE EXTINGUISHER TYPE 1: A/B/C - DRY CHEMICAL SEMI-RECESSED CABINET SEE DETAIL ON A5.1 SHEET
- FE 2 — FIRE EXTINGUISHER TYPE 2: K - WET CHEMICAL SURFACE MOUNT

FLOOR PLAN DRAWING NOTES

FP 1	6" ELEVATED CONCRETE PAD FOR COMMERCIAL WASHER. COORDINATE LOCATION PER MFRS'S CLEARANCE REQUIREMENTS.
FP 2	CMU WALL TO UNDERSIDE OF STRUCTURE OR FLUSH TO DECK, SEAL TIGHT
FP 8	PROVIDE NEW INTERIOR GAME CLOCK. COORDINATE WITH ELECTRICAL.REFERENCE INTERIOR ELEVATION SHEET A7.2
FP 10	2'-10" WALL MOUNTED HANDRAIL
FP 11	2'-10" FLOOR MOUNTED HANDRAIL

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09/09/2026

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS #	DATE	DESCRIPTION
1	08/09/2026	ADDENDUM #1

SHEET TITLE
MAIN LEVEL FLOOR PLAN

DATE 08/11/2026

PROJECT NUMBER 22248

SHEET NUMBER A1.2a

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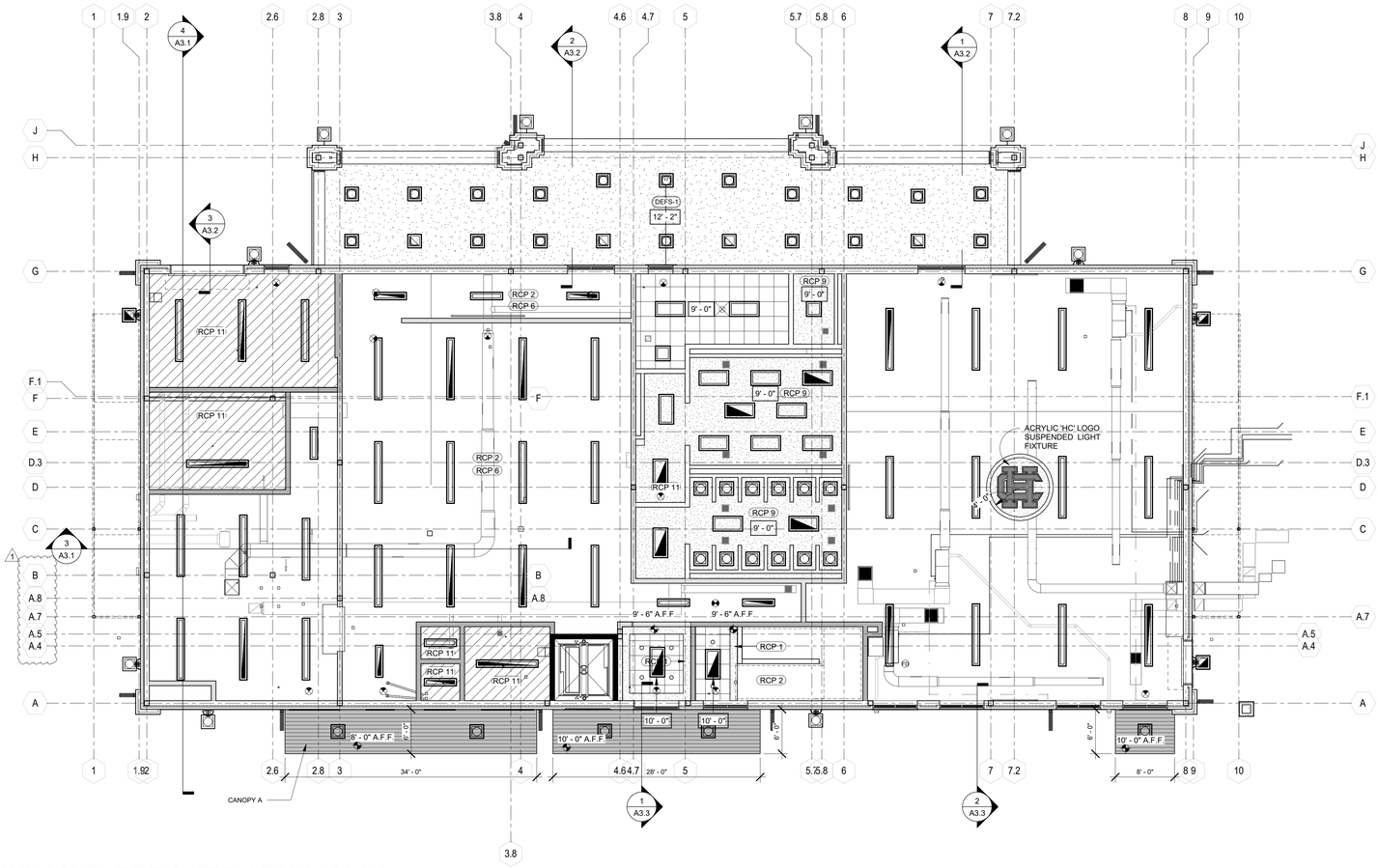

MAIN LEVEL REFLECTED CEILING PLAN

1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND

GENERAL NOTES

A. ALL ACOUSTICAL PANEL CEILINGS ARE TYPE 1 AND SHALL BE INSTALLED AT 10'-0" A.F.F. UNLESS NOTED OTHERWISE.
B. ALL CEILINGS SHOWN THAT DO NOT REFLECT 2X2 ACOUSTICAL PANEL GRID SHALL BE GYPSUM BOARD CEILINGS, UNLESS NOTED OTHERWISE.
C. ALL GYPSUM BOARD CEILINGS, SOFFITS AND HEADERS SHALL BE INSTALLED AT 9'-0" A.F.F., UNLESS NOTED OTHERWISE.
D. GYPSUM BOARD CEILINGS IN RESTROOM BATTERIES SHALL BE INSTALLED AT 10'-0" ABOVE FINISHED FLOOR.
E. ALL SUPPLY OR RETURN DIFFUSERS SMALLER THAN 2'-0" x 2'-0" SHALL BE CENTERED IN TILE.
F. FOR ALL CORRIDORS AND RESTROOM BATTERIES MONOLITHIC OR SUSPENDED CEILING SHALL 1)FORM A CONTINUOUS MEMBRANE; 2)PROVIDE A SMOKE TIGHT JOINT BETWEEN THE TOP OF THE SMOKE PARTITION AND THE BOTTOM OF THE SUSPENDED CEILING; 3)THE PACE ABOVE THE CEILING IS NOT USED AS A PLENUM.
G. IN LOCATIONS WHERE SOUND ATTENUATION BLANKETS ARE NOT SHOWN OVER THE ENTIRE ROOM, INSTALL SOUND ATTENUATING BLANKETS TO 6'-0" FROM PARTITIONS.
H. CENTER ALL ACOUSTICAL PANEL CEILING IN EACH SPACE, AS SHOWN
I. ALL DECORATIVE SOFFITS AND/OR HEADERS TO HAVE A 2" RECESS FROM FACE OF BRICK OR CMU, UNLESS NOTED OTHERWISE
J. ALL NEW CEILINGS TO REPLACE EXISTING SHALL BE LOCATED AT EXISTING CEILING HEIGHT, UNLESS NOTED OTHERWISE

REFLECTED CEILING PLAN SYMBOL LEGEND

SUITE DESIGNATION
A01 ROOM NAME 150 SF
A
ROOM DESIGNATION
RCP 1 — DRAWING NOTE REFERENCE SEE BELOW
0'-0" — CEILING HEIGHT ABOVE FINISHED FLOOR
LIGHT FIXTURE LENGTH WIDTH MAY VARY
ROOF HATCH SEE ROOF PLAN FOR DETAIL
EMERGENCY LIGHT FIXTURE LENGTH WIDTH MAY VARY
SOUND ATTENUATION BLANKETS ABOVE CEILING
LIGHT FIXTURE LENGTH WIDTH MAY VARY
GYPSUM BOARD OR GYP. FIBER PANEL CEILING SEE INTERIOR FINISH SCHEDULE
EXHAUST FAN SIZE SHOWN MAY VARY
SUPPLY DIFFUSER SIZE SHOWN MAY VARY
1 HR FIRE RATED FLOOR/CEILING ASSEMBLY

REFLECTED CEILING PLAN DRAWING NOTES

RCP 1	GYPSUM BOARD SOFFIT/CEILING/HEADER
RCP 2	EXPOSED TO STRUCTURE ABOVE
RCP 3	MOISTURE RESISTANT ACOUSTICAL PANEL CEILING (APC-2)
RCP 6	DRY FOG PAINTED EXPOSED STRUCTURE, DUCT, PIPING, AND CONDUIT, ETC.
RCP 9	MOISTURE RESISTANT G.B. CEILING (MGB)
RCP 11	1 HOUR RATED FLOOR CEILING ASSEMBLY, UL DESIGN NO. G503, ONE LAYER 5/8" TYPE C GYP. BD. ON 3 5/8" 22 GA MTL STUDS @ 24" O.C. INSTALL TIGHT TO STRUCTURE.

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HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS

#	DATE	DESCRIPTION
1	09/09/2026	ADDENDUM #1

SHEET TITLE
MAIN LEVEL REFLECTED CEILING PLAN

DATE
08/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
A1.2c

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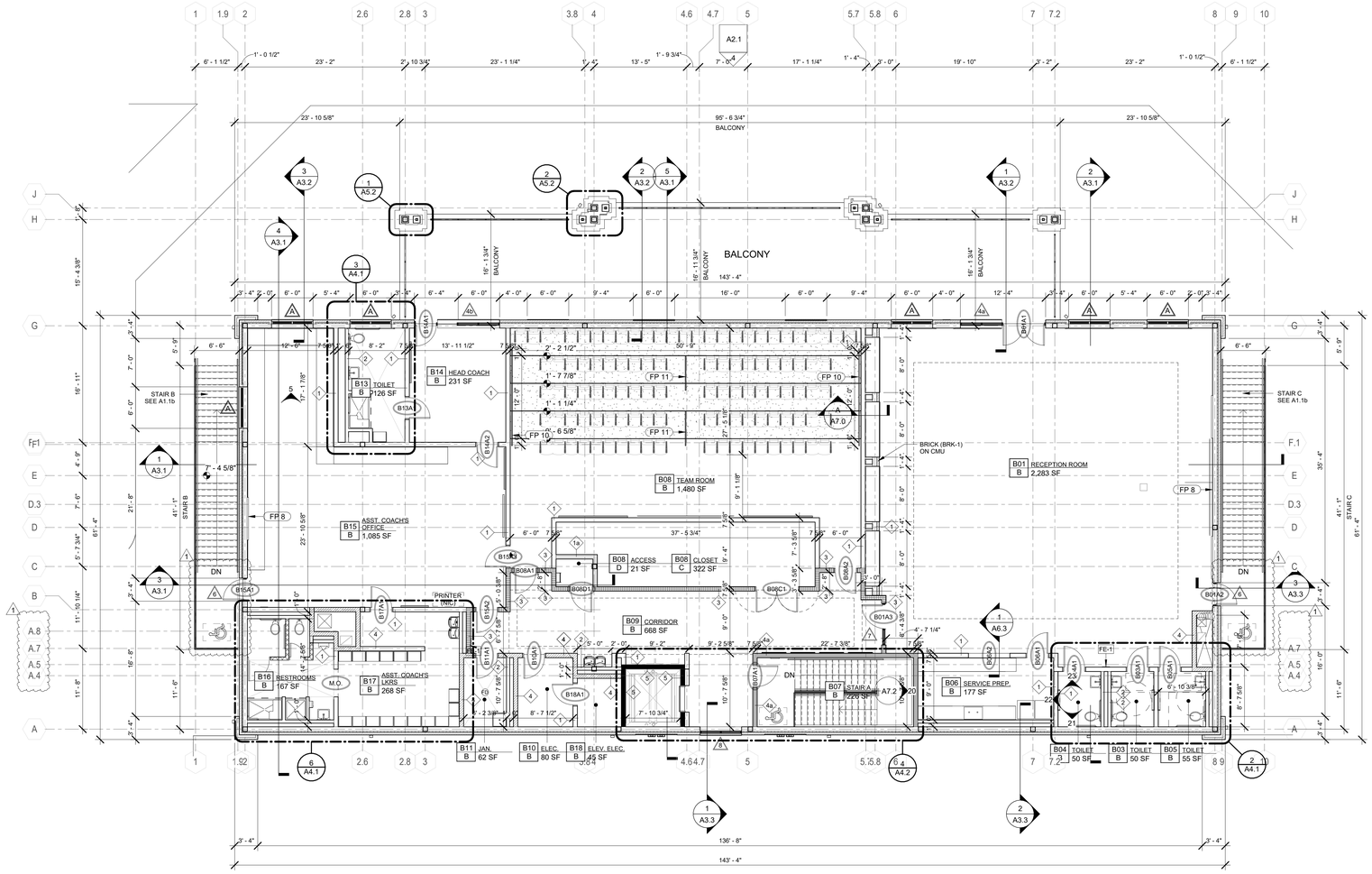
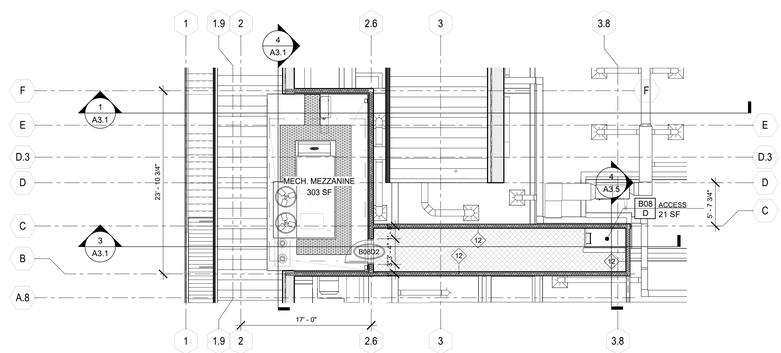


1 A1.3a UPPER LEVEL FLOOR PLAN / LIFE SAFETY PLAN

1/8" = 1'-0"



2 A1.3a UPPER LEVEL MECHANICAL MEZZANINE

1/8" = 1'-0"

FLOOR PLAN LEGEND

GENERAL NOTES

A. SEE PLUMBING PLANS FOR IN-SLAB PLUMBING ROUGH-IN LOCATIONS.
B. SEE REFLECTED CEILING PLAN FOR SOFFIT DESIGN EXTENTS.
C. SEE EXTERIOR ELEVATIONS FOR ADDITIONAL STOREFRONT LOCATIONS.
D. ALL DOORS TO BE LOCATED 8" OFF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
E. SEE ENLARGED FLOOR PLAN FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPE.
F. SEE ENLARGED FLOOR PLAN FOR PLUMBING FIXTURE ACCESSIBILITY ELEMENTS AND DIMENSIONS.

INTERIOR PARTITION NOTES

IP-1. ALL WALLS SHOWN TO BE 8" CMU INSTALLED TO UNDERSIDE OF TRUSSES, UNLESS NOTED OTHERWISE. REFER TO INTERIOR PARTITION WALL TYPE AND CONSTRUCTION LEGEND FOR ADDITIONAL WALL TYPES.
IP-2. REFER TO STRUCT. DWGS. FOR LOCATIONS & EXTENT OF REINFORCED CMU WALLS AND BRACING TO STRUCTURE.
IP-3. FOR 1 HOUR FIRE RATED WALLS WITH EXPOSED STRUCTURES ON ANY SIDE, START GYPSUM BOARD A MIN. OF 6" ABOVE HIGHEST ADJACENT CEILING, UNLESS NOTED OTHERWISE.

FIRE AND SMOKE PARTITIONS
IP-4. PROVIDE A SMOKE TIGHT BARRIER AT ALL CORRIDORS, GANG TOILET ROOMS, JANITOR'S CLOSETS AND STORAGE/UTILITY ROOMS, UNLESS A HIGHER FIRE/SMOKE RATING IS DEFINED ON THESE DRAWINGS. SEE REFLECTED CEILING PLAN FOR ADDITION REQUIREMENTS FOR THESE AREA.

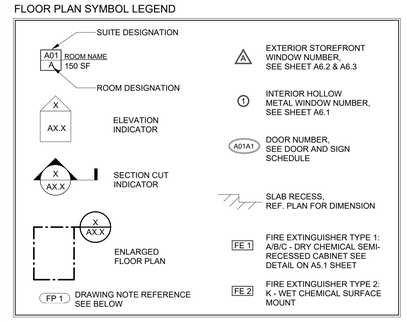
INTERIOR PARTITION SCHEDULE

INTERIOR PARTITION WALL CONSTRUCTION LEGEND		
1 1a		STANDARD PARTITION: (#1) 8" CMU UP TO 2" MIN. ABOVE FINISHED CEILING OR (#1a) 8" CMU TO UNDERSIDE OF STRUCTURE OR FLUSH TO DECK. SEAL TIGHT.
2		6" CMU PARTITION: 6" CMU UP TO 2" MIN. ABOVE FINISHED CEILING
3		SMOKE PARTITION: 8" CMU UP TO 8" ABOVE FINISHED CEILING, UNLESS NOTED OTHERWISE
4		1-HOUR FIRE RATED PARTITION & SMOKE PARTITION: 8" CMU TO 8" ABOVE CEILING W/ 5/8" GYPSUM BOARD ON EACH SIDE OF 6" 22 GA. METAL STUDS @ 24" O.C. TO DECK; SEAL TIGHT TO DECK. SEE SCHEDULE NOTE #2 BELOW. UL DESIGN #U905 & #U465, UNLESS NOTED OTHERWISE
4a / 4b		1-HOUR FIRE RATED PARTITION & SMOKE PARTITION: (#4a) 8" CMU OR (#4b) 12" CMU FLUSH TO ROOF DECK, UL DESIGN # U905, UNLESS NOTED OTHERWISE
5		2-HOUR FIRE RATED FIREWALL: 8" CMU FLUSH TO ROOF DECK, UL DESIGN # U905, UNLESS NOTED OTHERWISE
6		8" CMU SOUND AND SMOKE WALL: 8" CMU FLUSH TO ROOF DECK, SEAL TIGHT TO DECK, FILL ALL VOID CELLS WITH FOAM IN PLACE MASONRY INSULATION, SOUND SEAL ALL PENETRATIONS TO ACHIEVE STC 53 OR HIGHER, PROVIDE GYP. BD W/ METAL STUDS BACK UP AT BEAM/JOIST LOCATIONS WITH SOUND BATT INSULATION, UNLESS NOTED OTHERWISE
7		6" CMU TOILET STALL WALL: 6" CMU UP TO 6'-0" A.F.F. WITH CAST CONCRETE TOP, SEE DETAIL 4/A4.1
8		8" CMU TOILET STALL WALL: 8" CMU UP TO 6'-0" A.F.F. WITH CAST CONCRETE TOP, SEE DETAIL 4/A4.1
9		8" CMU PARTIAL HEIGHT WALL: 8" CMU UP TO HEIGHT AS INDICATED ON PLAN OR SECTION
10a/ 10b		GYPSUM FIBER PANEL WALL: 5/8" GYPSUM BOARD (GB) ON EACH SIDE OF 3 5/8" (10a) OR 6" (10b) 22 GA. METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND BATT INSULATION, EXTEND WALL 6" ABOVE FINISHED CEILING., BRACE TO STRUCT. @ 48" O.C.
11		GYPSUM FIBER PANEL FURRING WALL: 5/8" GYPSUM BOARD (GB) ON EXPOSED SIDE OF 1 1/2" 25 GA. METAL FURRING @ 16" O.C., EXTEND WALL 6" ABOVE FINISHED CEILING
12		GYPSUM FIBER PANEL WALL: 5/8" GYPSUM BOARD (GB) ON ONE SIDE OF 6" 22 GA. METAL STUDS @ 16" O.C. WITH R-38 BATT INSULATION, BRACE TO STRUCT. @ 48" O.C. OR AS RECOMMENDED BY COLD FORMED METAL FRAMED MANUFACTURER.

SCHEDULE NOTES

1. PARTITION TYPES NOT SHOWN ALONG INTERIOR DOOR AND WINDOW HEADERS FOR CLARITY. WHERE APPLICABLE, PARTITION TYPE DEFINED ADJACENT TO HEADERS SHALL CONTINUE OVER SUCH HEADERS, UNLESS NOTED OTHERWISE.
2. WALLS NOT TAGGED WILL BE SAME TYPE AS ADJACENT WALLS UNLESS NOTED OTHERWISE.
3. REFER TO STRUCTURAL FOR SHEAR WALL LOCATIONS.

FLOOR PLAN SYMBOL LEGEND



FLOOR PLAN DRAWING NOTES	
FP 1	6" ELEVATED CONCRETE PAD FOR COMMERCIAL WASHER. COORDINATE LOCATION PER MFRS'S CLEARANCE REQUIREMENTS.
FP 2	CMU WALL TO UNDERSIDE OF STRUCTURE OR FLUSH TO DECK, SEAL TIGHT
FP 8	PROVIDE NEW INTERIOR GAME CLOCK. COORDINATE WITH ELECTRICAL REFERENCE INTERIOR ELEVATION SHEET A7.2
FP 10	2'-10" WALL MOUNTED HANDRAIL
FP 11	2'-10" FLOOR MOUNTED HANDRAIL

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HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS			
#	DATE	DESCRIPTION	
1	09/09/2026	ADDENDUM #1	

SHEET TITLE
UPPER LEVEL FLOOR PLAN

DATE
08/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
A1.3a

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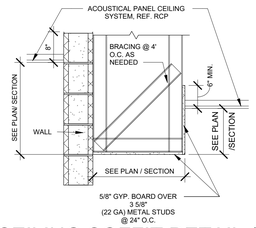
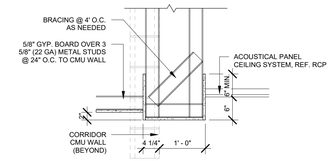
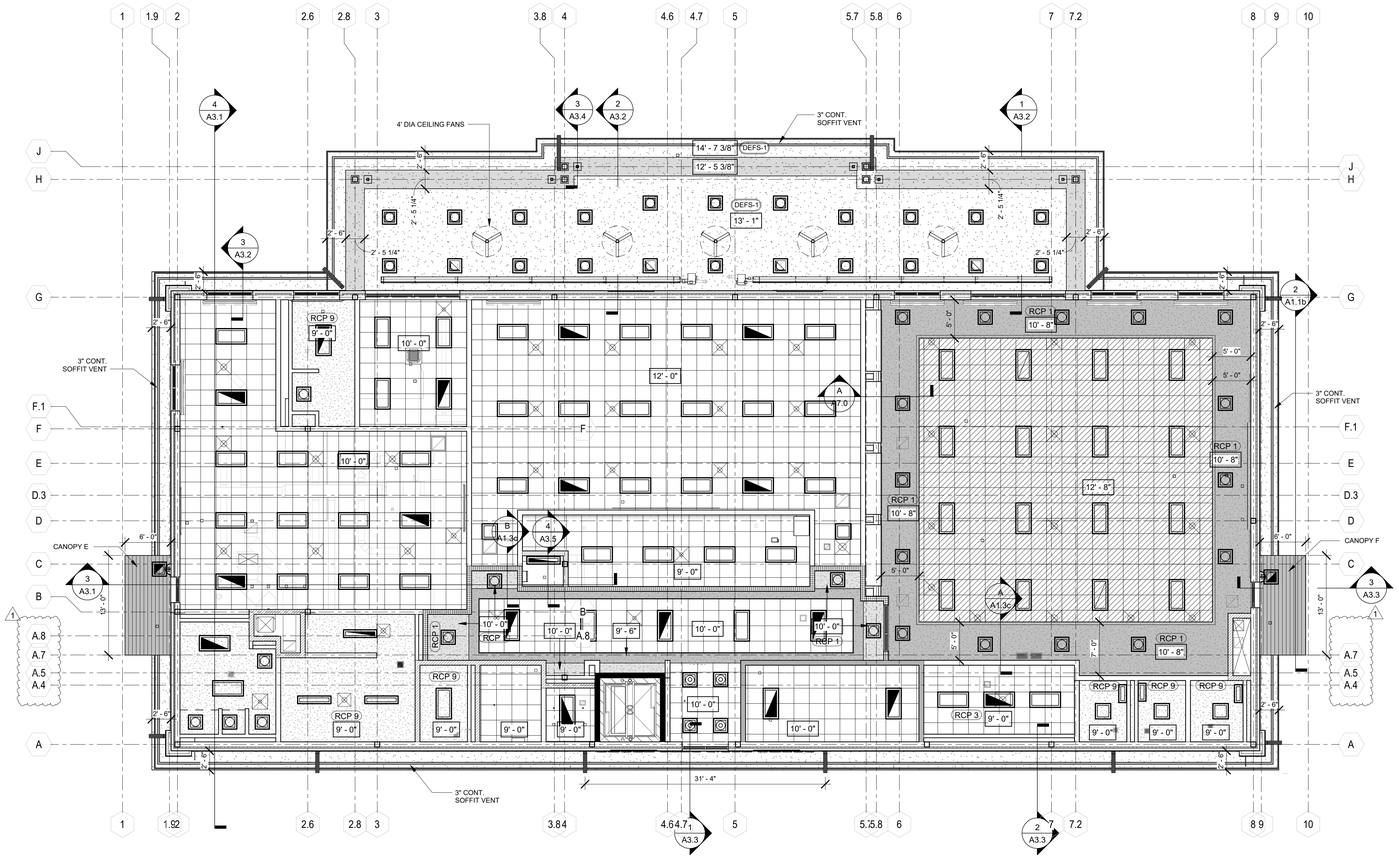


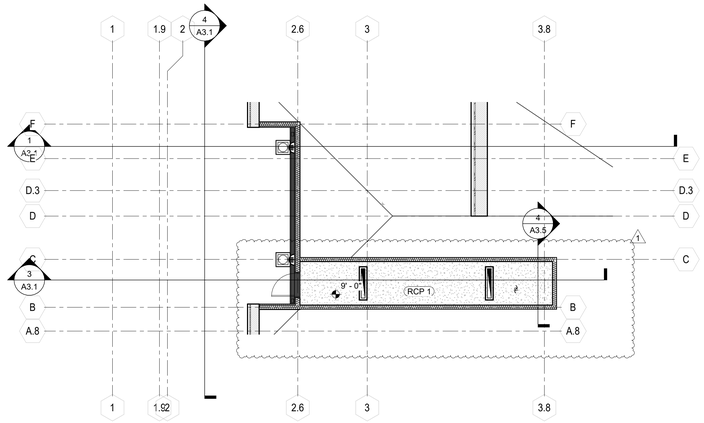
A A1.3c CEILING SOFFIT DETAIL (1)
3/4" = 1'-0"



B A1.3c CEILING SOFFIT DETAIL (1)
3/4" = 1'-0"



1 A1.3c UPPER LEVEL REFLECTED CEILING PLAN
1/8" = 1'-0"



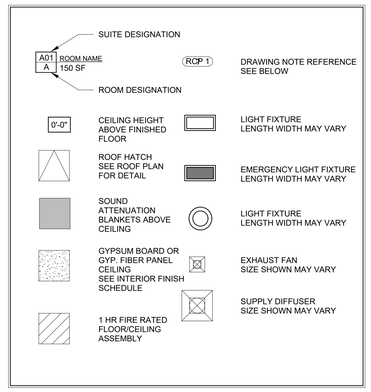
2 A1.3c MECH. MEZZANINE REFLECTED CEILING PLAN
1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND

GENERAL NOTES

A. ALL ACOUSTICAL PANEL CEILINGS ARE TYPE 1 AND SHALL BE INSTALLED AT 10'-0" A.F.F. UNLESS NOTED OTHERWISE.
B. ALL CEILINGS SHOWN THAT DO NOT REFLECT 2X2 ACOUSTICAL PANEL GRID SHALL BE GYPSUM BOARD CEILINGS, UNLESS NOTED OTHERWISE.
C. ALL GYPSUM BOARD CEILINGS, SOFFITS AND HEADERS SHALL BE INSTALLED AT 9'-0" A.F.F., UNLESS NOTED OTHERWISE.
D. GYPSUM BOARD CEILINGS IN RESTROOM BATTERIES SHALL BE INSTALLED AT 10'-0" ABOVE FINISHED FLOOR.
E. ALL SUPPLY OR RETURN DIFFUSERS SMALLER THAN 2'-0" x 2'-0" SHALL BE CENTERED IN TILE.
F. FOR ALL CORRIDORS AND RESTROOM BATTERIES MONOLITHIC OR SUSPENDED CEILING SHALL 1)FORM A CONTINUOUS MEMBRANE; 2)PROVIDE A SMOKE TIGHT JOINT BETWEEN THE TOP OF THE SMOKE PARTITION AND THE BOTTOM OF THE SUSPENDED CEILING; 3)THE PACE ABOVE THE CEILING IS NOT USED AS A PLENUM.
G. IN LOCATIONS WHERE SOUND ATTENUATION BLANKETS ARE NOT SHOWN OVER THE ENTIRE ROOM, INSTALL SOUND ATTENUATING BLANKETS TO 6'-0" FROM PARTITIONS.
H. CENTER ALL ACOUSTICAL PANEL CEILING IN EACH SPACE, AS SHOWN
I. ALL DECORATIVE SOFFITS AND/OR HEADERS TO HAVE A 2" RECESS FROM FACE OF BRICK OR CMU, UNLESS NOTED OTHERWISE
J. ALL NEW CEILINGS TO REPLACE EXISTING SHALL BE LOCATED AT EXISTING CEILING HEIGHT, UNLESS NOTED OTHERWISE

REFLECTED CEILING PLAN SYMBOL LEGEND



REFLECTED CEILING PLAN DRAWING NOTES

RCP 1	GYPSUM BOARD SOFFIT/CEILING/HEADER
RCP 2	EXPOSED TO STRUCTURE ABOVE
RCP 3	MOISTURE RESISTANT ACOUSTICAL PANEL CEILING (APC-2)
RCP 6	DRY FOG PAINTED EXPOSED STRUCTURE, DUCT, PIPING, AND CONDUIT, ETC.
RCP 9	MOISTURE RESISTANT G.B. CEILING (MGB)
RCP 11	1 HOUR RATED FLOOR CEILING ASSEMBLY, UL DESIGN NO. G503. ONE LAYER 5/8" TYPE C GYP. BD. ON 3 5/8" 22 GA MTL STUDS @ 24" O.C. INSTALL TIGHT TO STRUCTURE.

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REVISIONS

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SHEET TITLE
UPPER LEVEL REFLECTED CEILING PLAN

DATE
08/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
A1.3c

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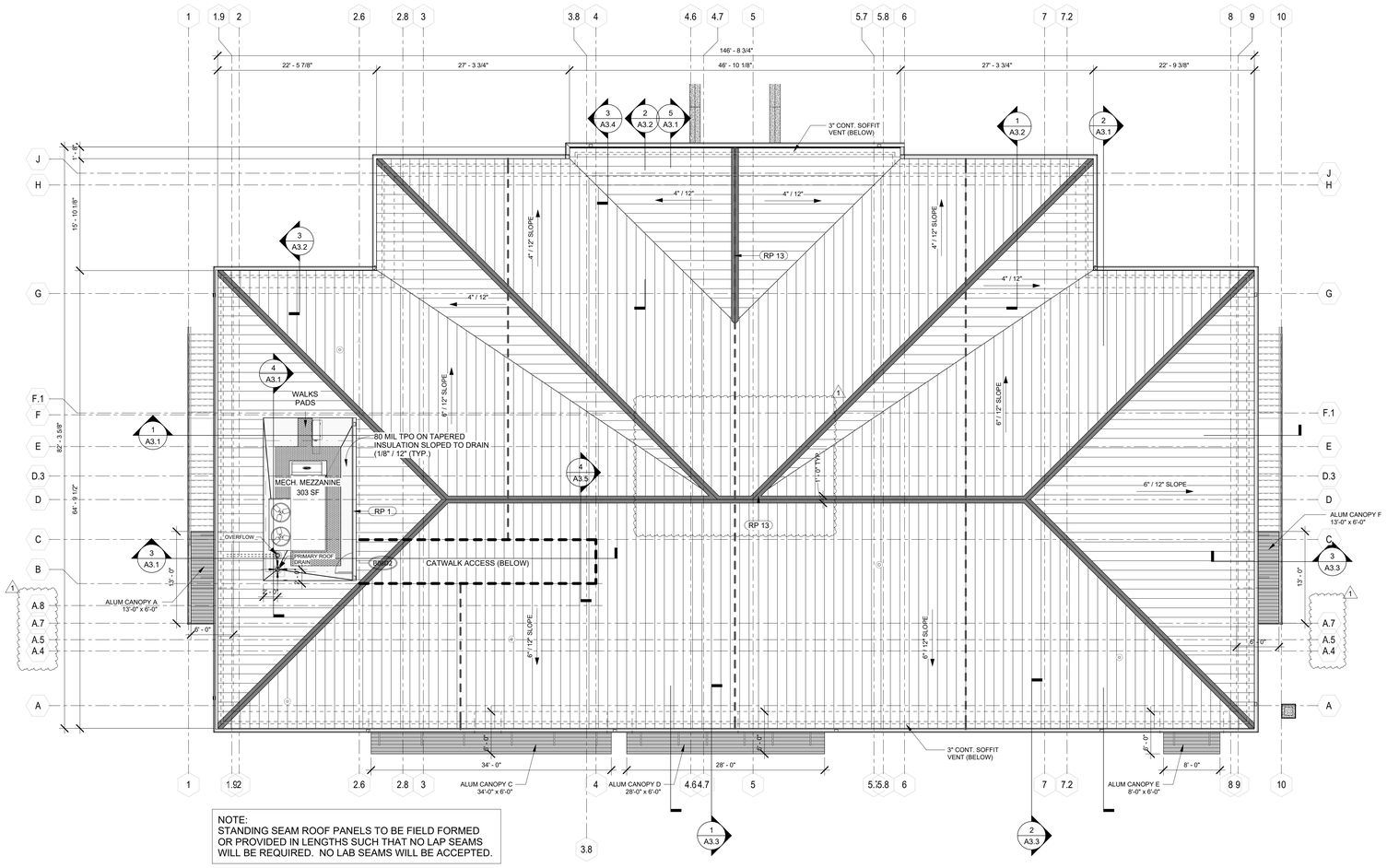

NOTE:
STANDING SEAM ROOF PANELS TO BE FIELD FORMED OR PROVIDED IN LENGTHS SUCH THAT NO LAP SEAMS WILL BE REQUIRED. NO LAB SEAMS WILL BE ACCEPTED.

1 / A1.4 ROOF PLAN

1/8" = 1'-0"

ROOF PLAN LEGEND

GENERAL NOTES

A. PROVIDE POSITIVE DRAINAGE ALONG ENTIRE ROOF SURFACE. ALL ROOF SURFACES TO BE A MIN. 1/4" PER 12" SLOPE
B. TIE ALL ROOF AND CANOPY DRAINS AT DOWNSPOUTS INTO STORM SEWER SYSTEM, UNLESS NOTED OTHERWISE. REFER TO CIVIL AND PLUMBING DRAWINGS
C. REFER TO STRUCTURAL DRAWINGS FOR FRAMING AT ROOF OPENINGS
D. CRICKET WITH TAPERED INSULATION @ HIGH SIDE OF ALL ROOF PENETRATIONS
E. ALL CORNERS OF PRE-FINISHED GALVANIZED METAL COPING SHALL BE SHOP FABRICATED WITH EXPANSION JOINTS AT 2'-0" FROM CORNERS
F. PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT ALL JUNCTURES BETWEEN DISSIMILAR MATERIALS, DOW/CORNING #790
G. PROVIDE CLOSURE END CAPS AND 90 DEGREE GRANSITIIONS AT ALL EXPANSION JOINTS AND END WALL CAPS AT GRAVELSTOPS, TYPICAL
H. SEAL ALL METAL TO METAL CONNECTIONS WITH DOW/CORNING #795(NO CLEAR SILICONE SEALANT SHALL BE ALLOWED)
I. SEAL ALL METAL COPING STANDING SEAM JOINTS WITH DOW/CORNING #795, TYPICAL
J. FASTEN ALL PRE-FINISHED GALVANIZED METAL COPING WITH CONTINUOUS CLEAT AT FRONT AND NEOPRENE GROMMETED FASTENERS AT 24" O.C. AT REAR. ALL JOINTS IN COPING SHALL BE STANDING SEAM PER "SMACNA"STANDARDS (PLATE#76)
K. PROVIDE SPLASH BLOCK AT ALL DOWNSPOUTS THAT DISCHARGE ONTO ROOF
L. TYPICAL ROOF CONSTRUCTION IS STANDING SEAM METAL ROOFING SYSTEM ON 5/8" RATED SHEATHING, REFER TO SPECIFICATION
M. ALL PLUMBING AND ROOF VENTS TO BE A MIN. OF 10'-0" AWAY FROM MECHANICAL ROOF TOP UNIT FRESH AIR INLETS
N. REFER ALSO TO PLUMBING AND MECHANICAL DRAWINGS FOR REQUIRED ROOF PENETRATIONS.

ROOF PLAN SYMBOL LEGEND

RP 1	DRAWING NOTE REFERENCE SEE BELOW
DS	DOWNSPOUT LOCATION

ROOF PLAN DRAWING NOTES

RP 1	6" x 6" PRE-FINISHED METAL GUTTER
RP 2	4" x 6" PRE-FINISHED METAL DOWNSPOUT TIE TO STORM. PROVIDE J.R. HOE DOWNSPOUT BOOT. SEE CIVIL
RP 7	12" X 12" PRE-FINISHED METAL GRAVITY VENTS LOCATED ON BACK SIDE OF ROOF IN THE TOP 50% OF ROOF AREA (PROVIDE A MIN OF 2695 SQ IN OF VENTILATION)
RP 13	PRE-FINISHED VENTED METAL RIDGE CAP

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1	08/09/2026	ADDENDUM #1

SHEET TITLE
ROOF PLAN

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22248

SHEET NUMBER
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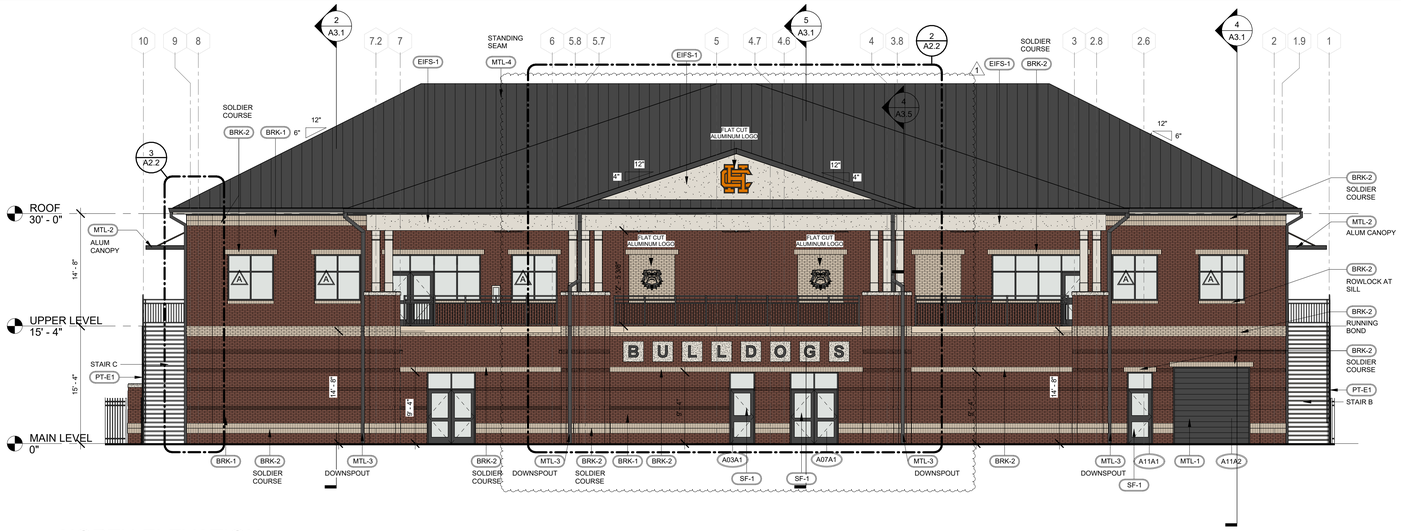
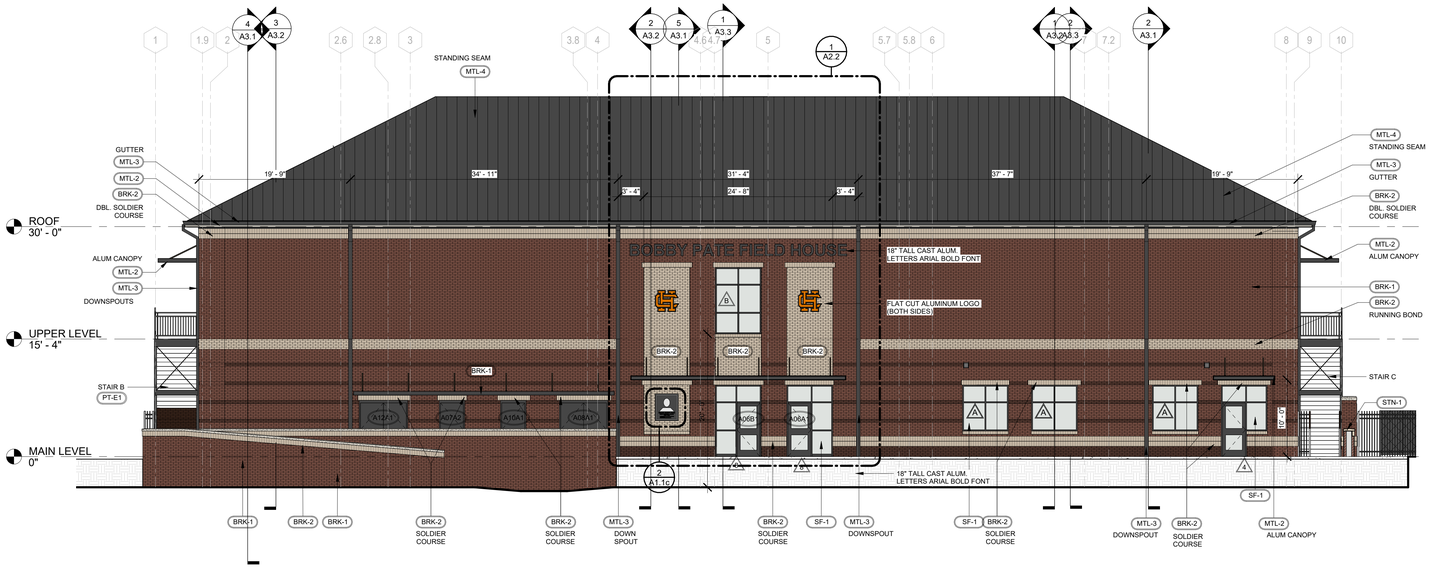
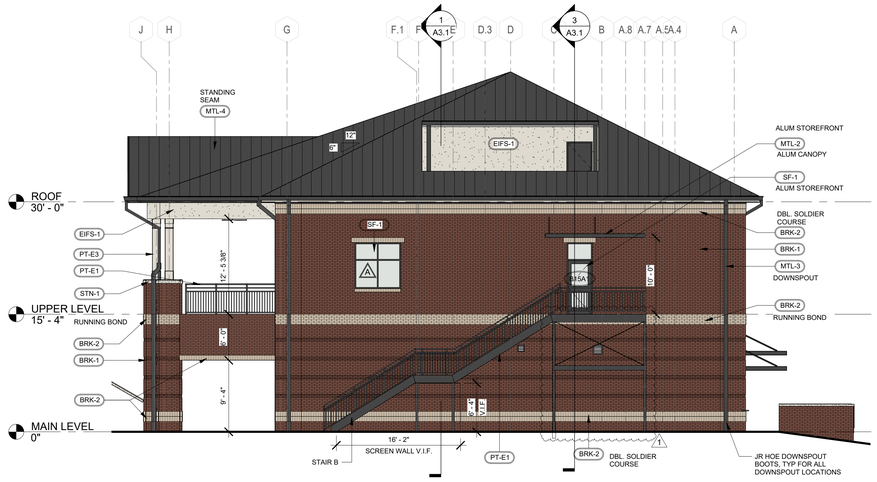


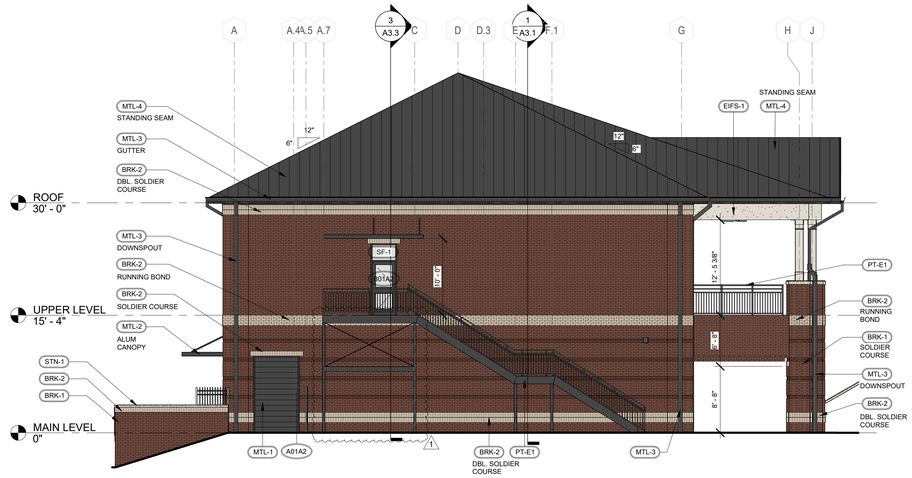
4 A2.1 NORTH ELEVATION
1/8" = 1'-0"



3 A2.1 SOUTH ELEVATION
1/8" = 1'-0"



1 A2.1 WEST ELEVATION
1/8" = 1'-0"



2 A2.1 EAST ELEVATION
1/8" = 1'-0"

EXTERIOR ELEVATION LEGEND

GENERAL NOTES

A. THESE DRAWINGS ARE FOR BID PURPOSES ONLY AND SERVE TO REPRESENT THE LEVEL OF FINISHING EXTENTS. PRIOR TO THE PURCHASE AND INSTALLATION OF FINISHES, CONTRACTOR TO ACQUIRE A FINAL COLOR SCHEDULE FROM ARCHITECT.
B. IF A FINISH TYPE IS NOT SPECIFIED, CONTRACTOR TO NOTIFY ARCHITECT OF DISCREPANCY, IN WRITING, AS SOON AS POSSIBLE.
C. FINISH EXTENTS DEFINED ON THIS SHEET TO BE USED IN CONJUNCTION WITH A PROJECT SPECIFIC "COLOR SCHEDULE." IF A FINISH COLOR IS NOT DEFINED ON THE "COLOR SCHEDULE", CONTRACTOR TO SUBMIT CHOSEN MANUFACTURER'S COLOR OPTIONS TO ARCHITECT FOR COLOR SELECTION.
D. PRIOR TO THE PURCHASE AND INSTALLATION OF FINISHES, CONTRACTOR TO COORDINATE EXTERIOR FINISH COLORS, AS DEFINED IN "COLOR SCHEDULE", WITH CHOSEN MANUFACTURER'S COLOR OPTIONS. WHERE DISCREPANCIES OCCUR, CONTRACTOR SHALL SUBMIT MANUFACTURER'S COLOR OPTIONS TO ARCHITECT FOR COLOR SELECTION.
E. ALL CORBELING PROJECTIONS IN MASONRY SHALL RECEIVE SOLID MASONRY UNITS.

EXTERIOR FINISH SCHEDULE (BASIS OF DESIGN)

SYMBOL	MATERIAL DESCRIPTION	MATERIAL COLOR	MANUFACT.
	MASONRY		
BRK-1	BRICK-1 (MODULAR) W/ MASONRY MORTAR-1	RED RANGE WIRE CUT	GENERAL SHALE
BRK-2	BRICK-2 (MODULAR) W/ MASONRY MORTAR-2	LIGHT GRAY WIRE CUT	HANSON
STN-1	CAST STONE W/ MASONRY MORTAR-2	BUFF	SOUTHERN CASTING
MTR-1	MORTAR-1	SEASIDE	ARGOS
MTR-2	MORTAR-2	SEASIDE	ARGOS
	STOREFRONT		
SF-1	ALUMINUM & INSULATED GLASS STOREFRONT SYSTEM -1	DARK BRONZE	KAWNEER
	COPING, GUTTERS, DOWNSPOUTS, CANOPIES, METAL ROOFING, WALL PANEL, SOFFIT		
MTL-1	PRE-FIN. METAL-1 (COILING DOORS)	DARK BRONZE	
MTL-2	PRE-FIN. METAL-2 (ALUM. CANOPIES)	DARK BRONZE	
MTL-3	PRE-FIN. METAL-3 (GUTTER, DOWNSPOUT, SCUPPER)	DARK BRONZE	
MTL-4	PRE-FIN. METAL-4 (STANDING SEAM METAL ROOF, FASCIA, LOUVER)	DARK BRONZE	
	PAINT		
PT-E1	PAINT-1 (EXT. DOOR&FRAME, RAILS, EXPOSED STEEL)	DARK BRONZE	
PT-E2	PAINT-2 (EXTERIOR CMU, CONCRETE)	MATCH BRK-2	
PT-E3	PAINT-3 (EXTERIOR TRIM)	TBD	
	EIFS & DEFS		
EIFS-1	EIFS-1 (FIELD)	MATCH BRK-2	PAREX
EIFS-2	EIFS-2 (ACCENT)	TBD	PAREX
DEFS-1	DEFS-1 (SOFFITS)	10444(66) IVORY	PAREX
DEFS-2	DEFS-2 (SOFFITS)	TBD	PAREX

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1	09/09/2026	ADDENDUM #1

SHEET TITLE:
EXTERIOR ELEVATIONS

DATE
08/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
A2.1

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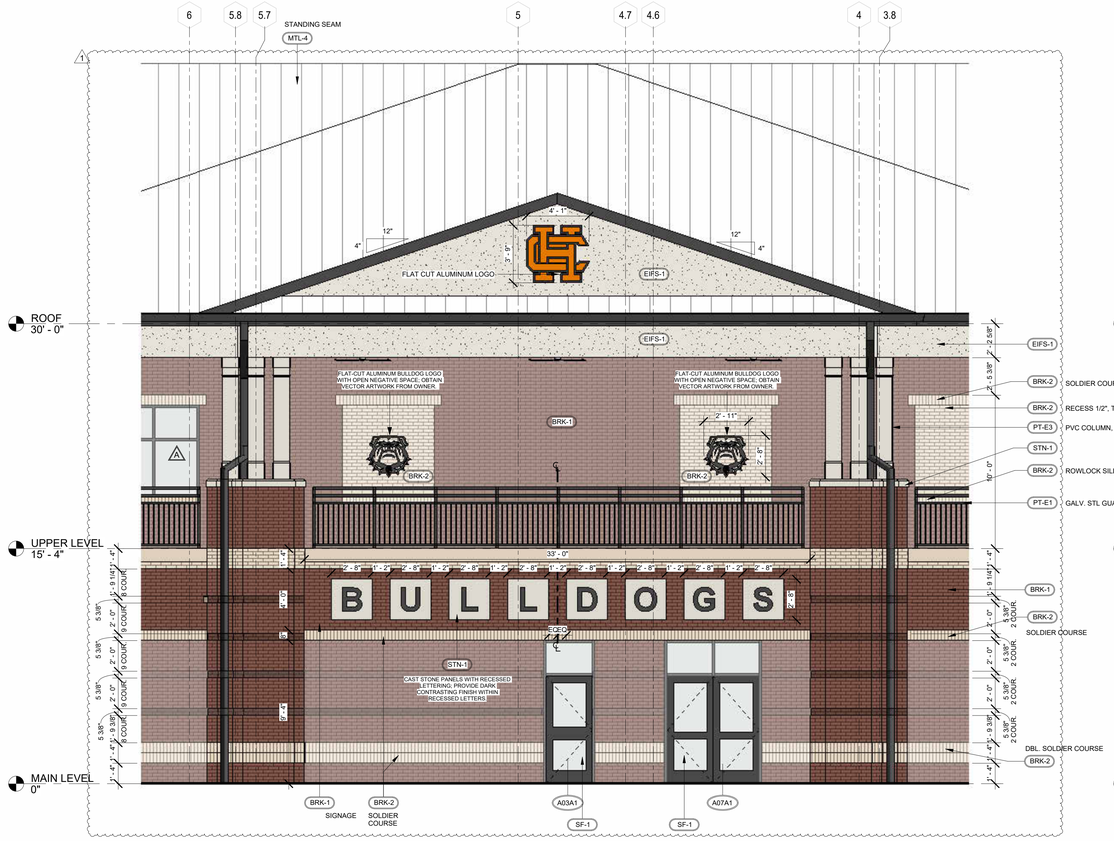
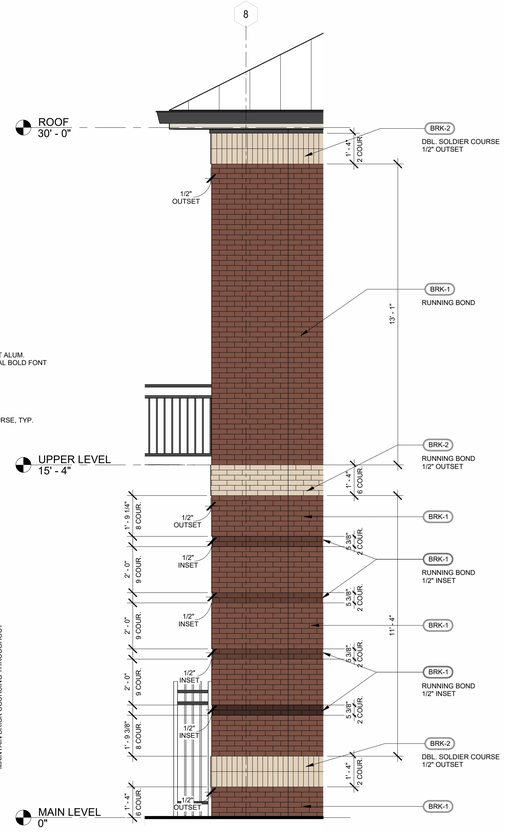


2 A2.2 NORTH ELEVATION - ENLARGED

1/4" = 1'-0"

1 A2.2 SOUTH ELEVATION - ENLARGED

1/4" = 1'-0"



3 A2.2 BRICK COURSING ELEVATION

3/8" = 1'-0"

EXTERIOR ELEVATION LEGEND

GENERAL NOTES

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MTR-1	MORTAR-1	SEASIDE	ARGOS
MTR-2	MORTAR-2	SEASIDE	ARGOS
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MTL-2	PRE-FIN. METAL-2 (ALUM. CANOPIES)	DARK BRONZE	
MTL-3	PRE-FIN. METAL-3 (GUTTER, DOWNSPOUT, SCUPPER)	DARK BRONZE	
MTL-4	PRE-FIN. METAL-4 (STANDING SEAM METAL ROOF, FASCIA, LOUVER)	DARK BRONZE	
	PAINT		
PT-E1	PAINT-1 (EXT. DOOR&FRAME, RAILS, EXPOSED STEEL)	DARK BRONZE	
PT-E2	PAINT-2 (EXTERIOR CMU, CONCRETE)	MATCH BRK-2	
PT-E3	PAINT-3 (EXTERIOR TRIM)	TBD	
	EIFS & DEFS		
EIFS-1	EIFS-1 (FIELD)	MATCH BRK-2	PAREX
EIFS-2	EIFS-2 (ACCENT)	TBD	PAREX
DEFS-1	DEFS-1 (SOFFITS)	10444(66) IVORY	PAREX
DEFS-2	DEFS-2 (SOFFITS)	TBD	PAREX

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1	09/09/2026	ADDENDUM #1

SHEET TITLE
EXTERIOR ELEVATIONS

DATE
08/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
A2.2

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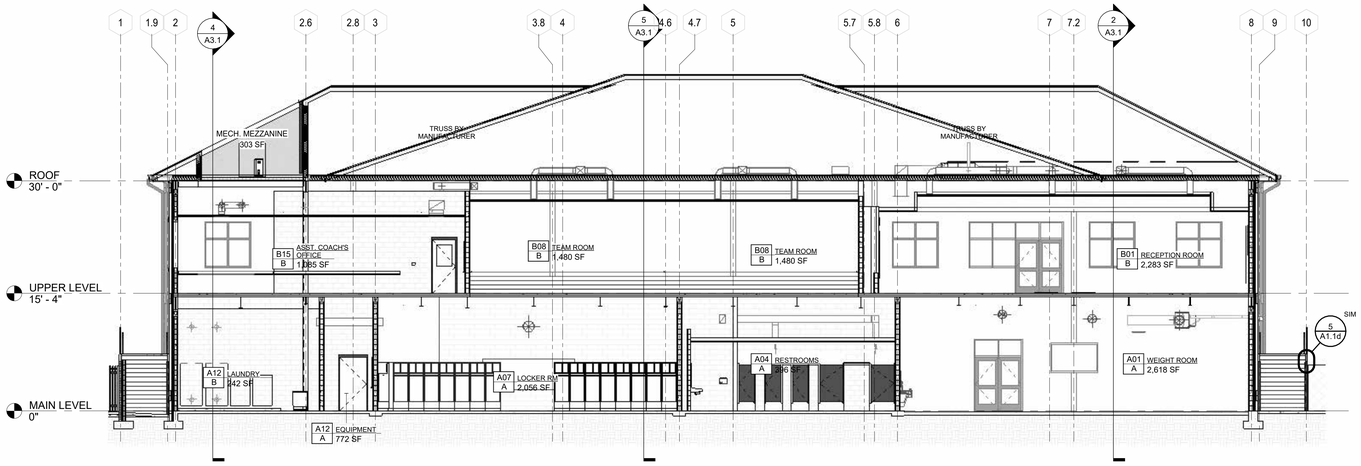
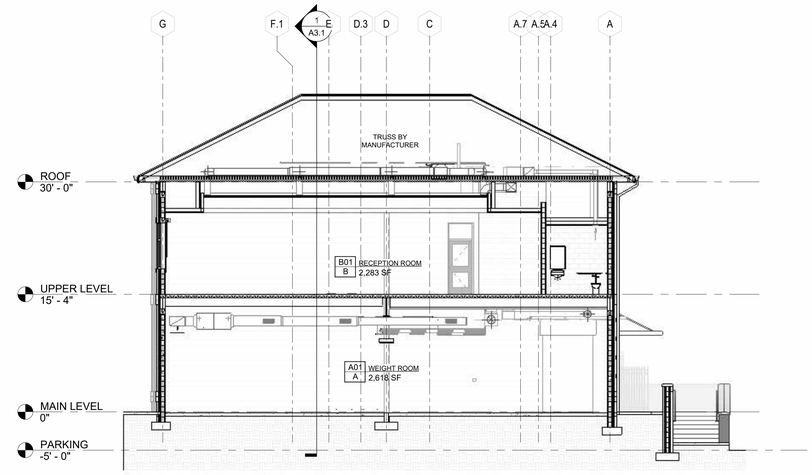
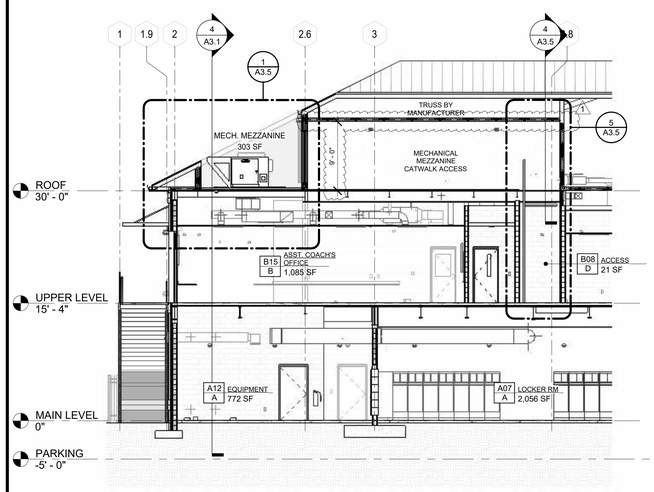


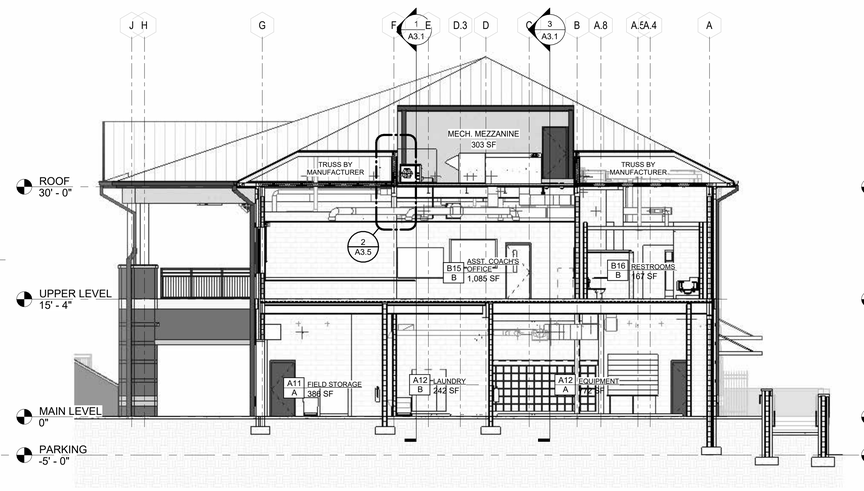
1 A3.1 BUILDING SECTION 01
1/8" = 1'-0"



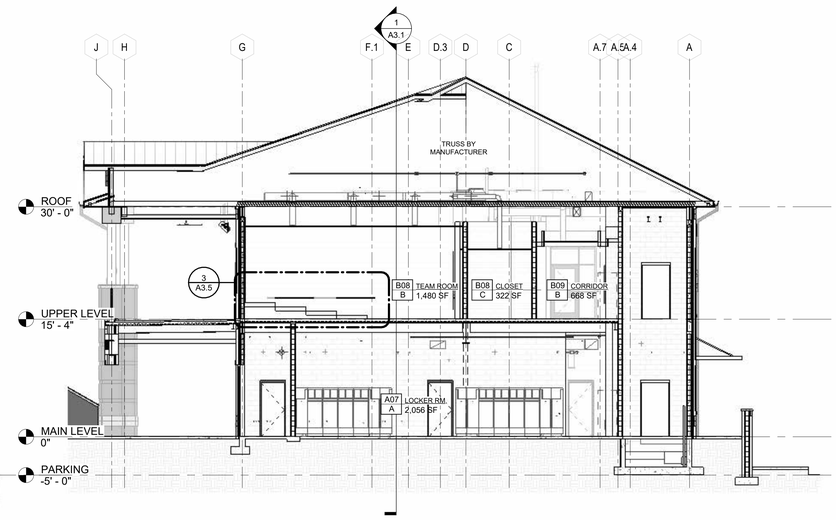
2 A3.1 BUILDING SECTION 02
1/8" = 1'-0"



3 A3.1 BUILDING SECTION 03
1/8" = 1'-0"



4 A3.1 BUILDING SECTION 04
1/8" = 1'-0"



5 A3.1 BUILDING SECTION 05
1/8" = 1'-0"

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09/09/2026

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS			
#	DATE	DESCRIPTION
1	09/09/2026	ADDENDUM #1

SHEET TITLE
BUILDING SECTIONS

DATE
08/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
A3.1

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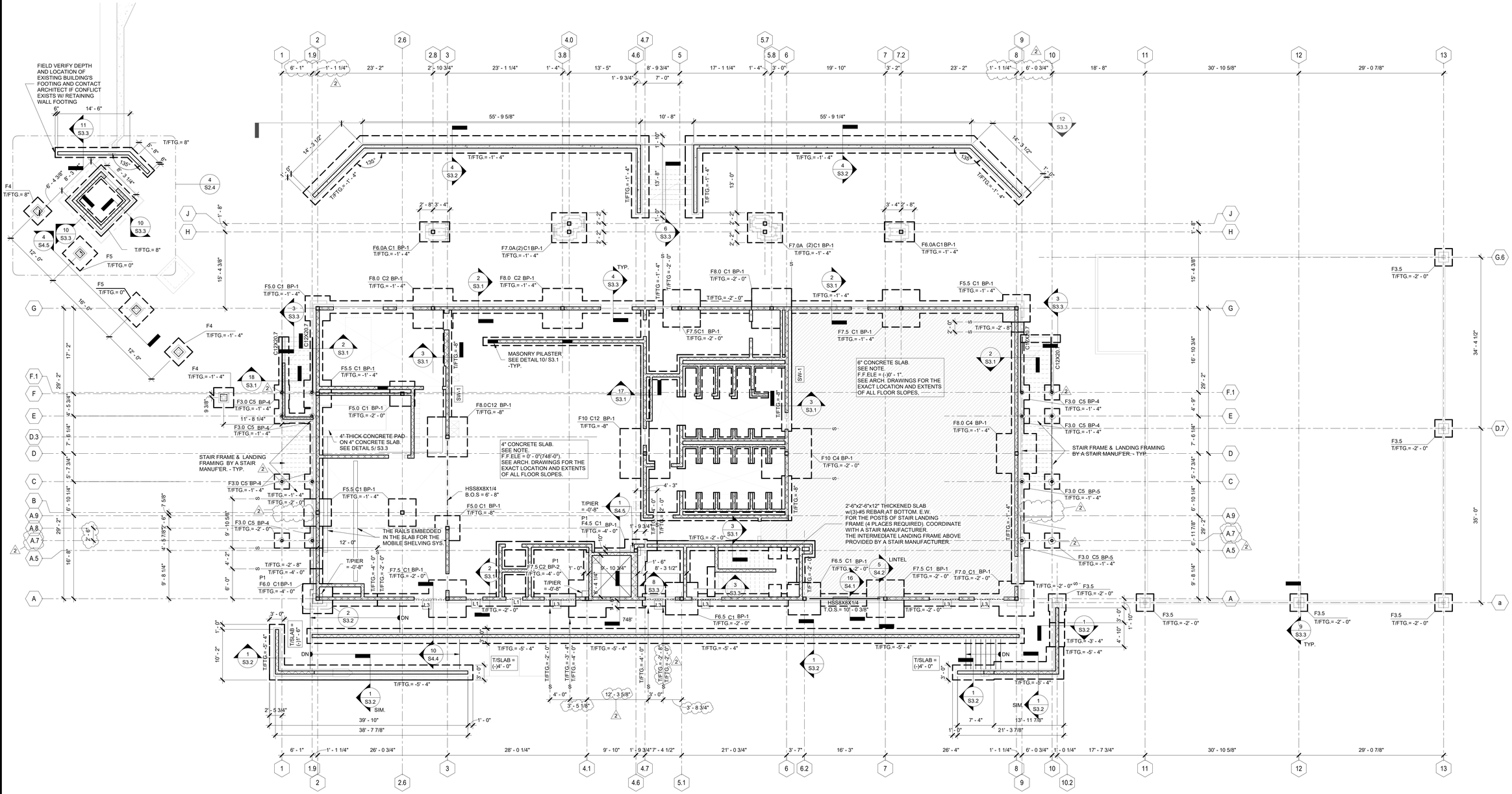

1 FOUNDATION PLAN
1/8" = 1'-0"

FOUNDATION NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AT INTERIOR MASONRY WALLS AND SLAB CONTROL JOINT LOCATIONS.
2. STEP FOUNDATION DOWN BELOW ALL MECHANICAL, ELECTRICAL OR PLUMBING LINES AS REQUIRED TO AVOID INTERFERENCE SEE TYPICAL FOOTING STEP DETAIL 7/S3.1. COORDINATE WITH OTHER TRADES.
3. DENOTES FOOTING STEP. SEE DETAIL 7/S3.1
4. FLOOR SLAB ON GRADE SHALL BE 4" THICK 3000 PSI CONCRETE. REFER TO CONCRETE PLACEMENT PLAN (SEE ARCH.) FOR RECESSES AND FLOOR FINISH PLAN FOR CONTROL JOINT LOCATIONS. SEE CONCRETE SLAB NOTE ON S0.1.
5. PROVIDE 8" THICKEN SLAB UNDER LANDING COLUMNS. EXTEND THICKEND AREA 24" BEYOND COLUMN CENTERLINES ON ALL SIDES.
6. ALL CONCRETE WORK SHALL CONFORM TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
7. MAINTAIN MINIMUM 12" OF COVER AT ALL EXTERIOR FOOTINGS.
8. ALL PARTIAL HEIGHT PARTITION WALLS SHALL BE BRACED BY PILASTER OR CROSS WALLS @ 20' - 0" MAX. FOR 8" WALLS AND 15' - 0" MAX. FOR 6" WALLS. COORDINATE EXACT LOCATION AND EXTENT OF ALL MASONRY WALLS WITH ARCH. DRAWINGS.
9. GC COORDINATES WITH A STAIR MANUFACTURER FOR THE LOCATION OF COLUMN FOOTINGS OF EXTERIOR STAIRS AT EACH END OF BUILDING.
10. TOP OF CONCRETE PIER ELEVATION IS 8" BELOW FROM FINISHED FLOOR ELEVATION, UNLESS NOTED OTHERS.
11. GC COORDINATES WITH A MOBILE SHELVING SYSTEM PROVIDER FOR THE INSTALLATION OF THE RAILS TO BE EMBEDDED.

MASONRY WALL REINFORCING NOTES:

1. LOCATE REINFORCING IN CENTER OF WALL AND GROUT SOLID.
2. HORIZONTAL JOINT REINFORCING SHALL BE HOT DIPPED GALVANIZED REINFORCING WITH (2)-9 GA RODS AND 9 GA CROSS WIRES AT 16" O.C. IN ALL EXTERIOR WALLS.
3. INTERIOR WALL HORIZONTAL JOINT REINFORCING SHALL BE (2)-9 ga WIRE RODS & 9 ga CROSS WIRES AT 16" o.c
4. ADDITIONAL VERTICAL REINFORCING REQUIRED AT: (COORD. WITH DETAIL 4/S3.1)
   - EACH SIDE OF OPENINGS.
   - WALL INTERSECTIONS.
   - ENDS OF WALLS.
   - EACH SIDE OF CONTROL JOINTS (COORD W/ ARCH).
   - PILASTERS AS DETAILED.
   - AS NOTED AND DETAILED ON DRAWINGS.
5. PROVIDE BOND BEAMS; (COORD. WITH DETAIL 4/S3.1)
   - BOTTOM AND TOP OF OPENINGS.
   - JOIST AND DECK BEARING (CONTINUOUS).
   - TOP COURSE OF MASONRY WALLS.
   - AS NOTED AND DETAILED ON DRAWINGS.
   - PROVIDE CORNER BARS AT ALL BOND BEAM INTERSECTIONS
6. PROVIDE MATCHING DOWEL FOR VERTICAL REINFORCING INTO FOUNDATION AND BOND BEAM AT ROOF.
7. PROVIDE CORNER BARS AT ALL BOND BEAMS. (SEE 12/S3.1)
8. FILL ALL MASONRY CELLS BELOW FINISHED FLOOR. WHERE GRADE IS ABOVE FINISHED FLOOR, FILL ALL CELLS BELOW GRADE. FILL MATERIAL SHALL BE 2000 PSI (MIN) GROUT.
9. WHERE ADDITIONAL BARS ARE REQUIRED @ OPENINGS LOCATE BARS AT 3" FROM INSIDE AND OUTSIDE FACE OF MASONRY IN TWO LAYERS
10. ALL EXTERIOR WALLS SHALL BE INTERMEDIATE REINFORCED MASONRY SHEAR WALLS AND SHALL BE REINFORECED USING THE FOLLOWING CRITERIA:

    VERTICAL REINF.: #5 BARS @ 4' - 0" O.C. (OR SEE THE DETAIL ON PLAN)

    HORIZONTAL REINF.: AS NOTED IN DETAILS @ 16" O.C. (HOOK ALL HORIZONTAL BOND BEAM REINFORCING AROUND LAST BAR WITH A STANDARD END HOOK.)

    ALL INTERIOR SHEAR WALLS MARKED SW-# SHALL BE REINFORCED PER 6/S3.2.
11. CONTRACTOR SHALL COORDINATE ELEVATOR ANCHORAGE DETAILS TO CMU SHAFT WALLS WITH ELEVATOR MANUFACTURER. PROVIDE GROUTED CELLS AT ALL LOCATIONS WHERE ANCHORAGE OR EMBEDS ARE REQUIRED IN ACCORDANCE WITH ANCHOR MANUFACTURERS RECOMMENDATIONS.
12. DENOTES CMU PIERS. SEE 10/S3.1 FOR DETAILS.

Structural Column Schedule

Type Mark	*Type*	*Comments*
C1	HSS8X8X1/4	
C2	HSS8X8X3/8	
C4	HSS8X8X1/2	
C5	Pipe5STD	
C12	HSS8X8X5/8	

Structural Foundation Schedule - 2,500 psf Bearing Pressure

Mark	*Footing Dimensions*	*Reinforcing*	*Anchor Embedment*	*Comments*
F3.0	3'-0" X 3'-0" X 1'-0"	#5@12" O.C.@ BOTTOM,E.W.	0' - 9"	
F3.5	3'-6" X 3'-6" X 1'-0"	#5@12" O.C.@ BOTTOM,E.W.	0' - 9"	
F4	4'-0" X 4'-0" X 1'-6"	(5) #5 TOP & BOT. E.W.	-	
F4.5	4'-6" X 4'-6" X 1'-2"	(5)-#5 @ BOTTOM,E.W.	0' - 11"	
F5	5'-0" X 5'-0" X 1'-6"	(7) #5 TOP & BOT E.W.	-	
F5.0	5'-0" X 5'-0" X 1'-2"	(6)-#5 @ BOTTOM,E.W.	0' - 11"	
F5.5	5'-6" X 5'-6" X 1'-6"	(6)-#5 @ BOTTOM,E.W.	1' - 0"	
F6.0	6'-0" X 6'-0" X 1'-6"	(7)-#6 @ BOTTOM,E.W.	1' - 0"	
F6.0A	6'-0" X 4'-0" X 1'-2"	#5@12" O.C.@ BOTTOM,E.W.	0' - 11"	
F6.5	6'-6" X 6'-6" X 1'-6"	(7)-#6 @ BOTTOM,E.W.	1' - 0"	
F7.0	7'-0" X 7'-0" X 1'-6"	(7)-#6 @ BOTTOM,E.W.	1' - 0"	
F7.0A	7'-0" X 6'-0" X 1'-6"	#6 @ 12" O.C. AT TOP & BOTTOM,E.W.	1' - 0"	
F7.5	7'-6" X 7'-6" X 1'-6"	(8)-#6 @ BOTTOM,E.W.	1' - 0"	
F8.0	8'-0" X 8'-0" X 1'-6"	(9)-#6 @ BOTTOM,E.W.	1' - 0"	
F10	10'-0" X 10'-0" X 2'-6"	(11)-#7 @ BOTTOM,E.W.	1' - 0"	

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09/09/26

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS

#	DATE	DESCRIPTION
1	09/27/2025	Fire Chief Comments Response
2	09/09/2026	ADDENDUM #1

SHEET TITLE
MAIN LEVEL FOUNDATION PLAN

DATE
01/03/2025

PROJECT NUMBER
22248

SHEET NUMBER
S1.1

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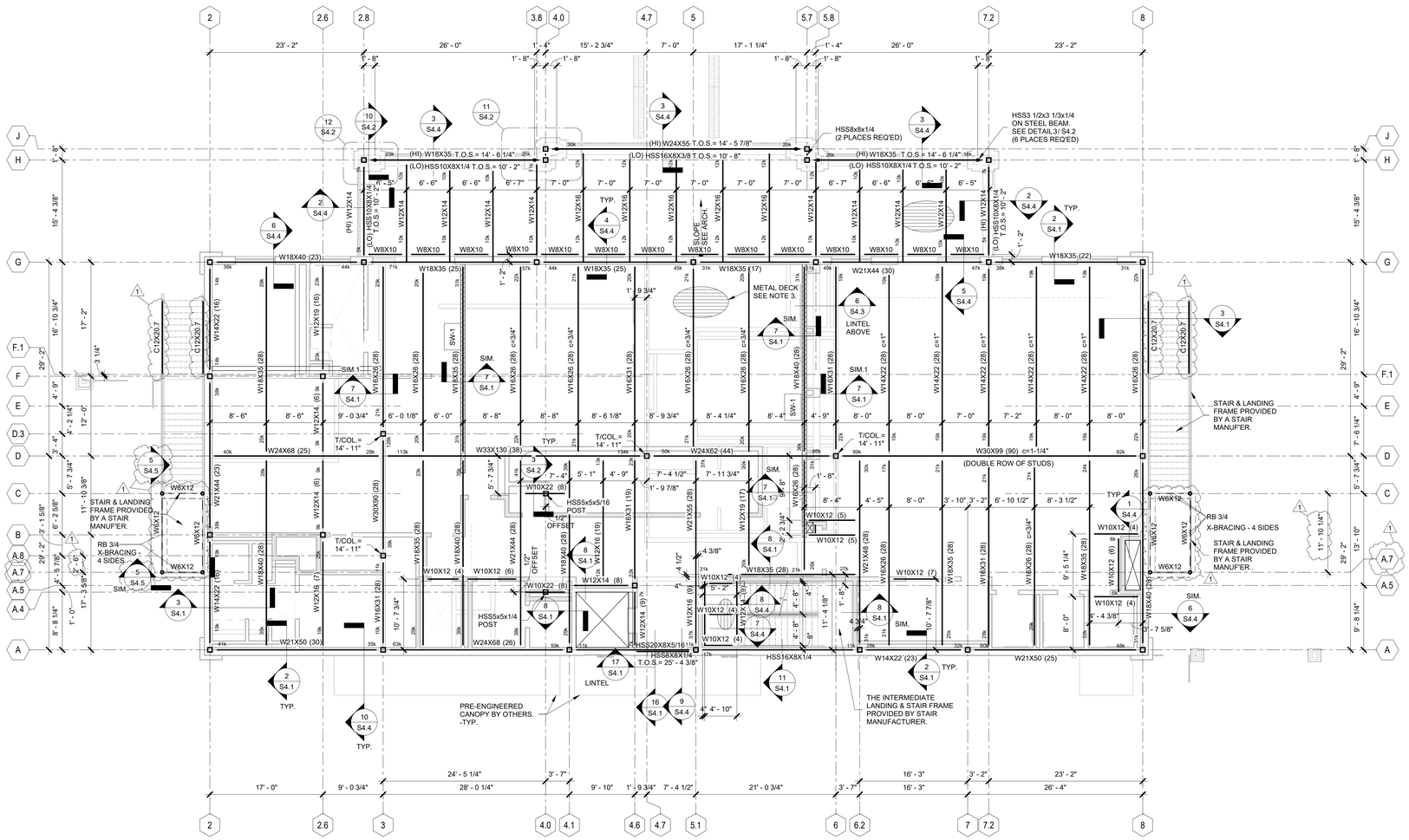

1 FRAMING PLAN (UPPER LEVEL)
1/8" = 1'-0"

UPPER LEVEL FLOOR FRAMING NOTES:

1. TOP OF SLAB = (+)15' - 4" A.F.F.

2. TOP OF FLOOR BEAM ELEVATION = (-)0'-5" FROM TOP OF SLAB.
   - TYPICAL UNLESS NOTED OTHERWISE.

3. THE UPPER LEVEL FLOOR SLAB ON METAL DECK SHALL BE 5" THICK 3000-PSI NORMAL WEIGHT CONCRETE SLAB ON 2" TYPE "VLI" GALVANIZED COMPOSITE DECK WITH THE FOLLOWING MINIMUM PROPERTIES:

   - THICKNESS = .0358" (20 GA)
   - F_y = 50-KSI
   - I_P = 0.409 in^4/ft
   - I_n = 0.406 in^4/ft
   - S_P = 0.341 in^3/ft
   - S_n = 0.346 in^3/ft

   REINFORCE SLAB WITH 6x6-W1.4xW1.4 WWF AT CENTER OF SLAB THICKNESS. SEE S0.1 FOR THE DECK ATTACHMENT.

4. STAIR FRAMING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH REFERENCED CODE. U.N.O. REFER TO ARCHITECTURAL DRAWINGS FOR STAIR DETAILS AND DIMENSIONS.

5. METAL PAN STAIRS SHALL BE DESIGNED BY FABRICATOR FOR 100 PSF LIVE LOAD.

6. COORDINATE FLOOR CHASE DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

7. AISC SHEAR CONNECTIONS AT COMPOSITE BEAMS SHALL BE DESIGNED FOR THE ALLOWABLE STRESS DESIGN WHERE INDICATED ON PLANS (COMPOSITE BEAMS WITH NO REACTIONS SHALL BE DESIGNED FOR A 6-KIP MINIMUM REACTION). SEE GENERAL NOTES FOR FURTHER CONNECTION DESIGN INFORMATION AND 2/S4.2.

8. A NUMBER (#) OF BEAM DESIGNATION INDICATES THE REQUIRED NUMBER OF 3/4" DIAMETER X 4" LONG HEADED STUDS - SEE 6/S4.1 & 12/S4.1 FOR ADDITIONAL INFORMATION.

9. NO CONDUIT OR PIPE OF ANY TYPE SHALL BE LOCATED IN SLAB ON METAL DECK.

10. SEE 9/S4.1 & 14/S4.1 FOR CONSTRUCTION JOINT DETAILS IN COMPOSITE SLAB. LOCATIONS SHALL BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO PLACING SLAB.

11. ALL INTERIOR WALLS NOTED AS SHEAR WALLS (SW - #) SHALL BE REINFORCED PER DETAIL 7/S4.1.

12. CONTRACTOR SHALL COORDINATE ELEVATOR ANCHORAGE DETAILS TO CMU SHAFT WALLS WITH ELEVATOR MANUFACTURER. PROVIDE GROUTED CELLS AT ALL LOCATIONS WHERE ANCHORAGE OR EMBEDS ARE REQUIRED IN ACCORDANCE WITH ANCHOR MANUFACTURERS RECOMMENDATIONS.

13. THE EXTERIOR STAIR AND INTERMEDIATE LANDING FRAMES ARE TO BE PROVIDED BY A METAL STAIR MANUFACTURER. A STAIR MANUFACTURER IS RESPONSIBLE TO PROVIDE LATERAL BRACES FOR THE LATERAL STABILITY IF NECESSARY.

14. ■ DENOTES CMU PIER. SEE 10/S3.1 FOR DETAILS.

15. ►— DENOTES MOMENT CONNECTION (SEE 14/S4.3)

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09/09/26

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS		
#	DATE	DESCRIPTION
1	09/09/2026	ADDENDUM #1

SHEET TITLE
UPPER LEVEL FLOOR FRAMING PLAN

DATE
01/03/2025

PROJECT NUMBER
22248

SHEET NUMBER
S2.1

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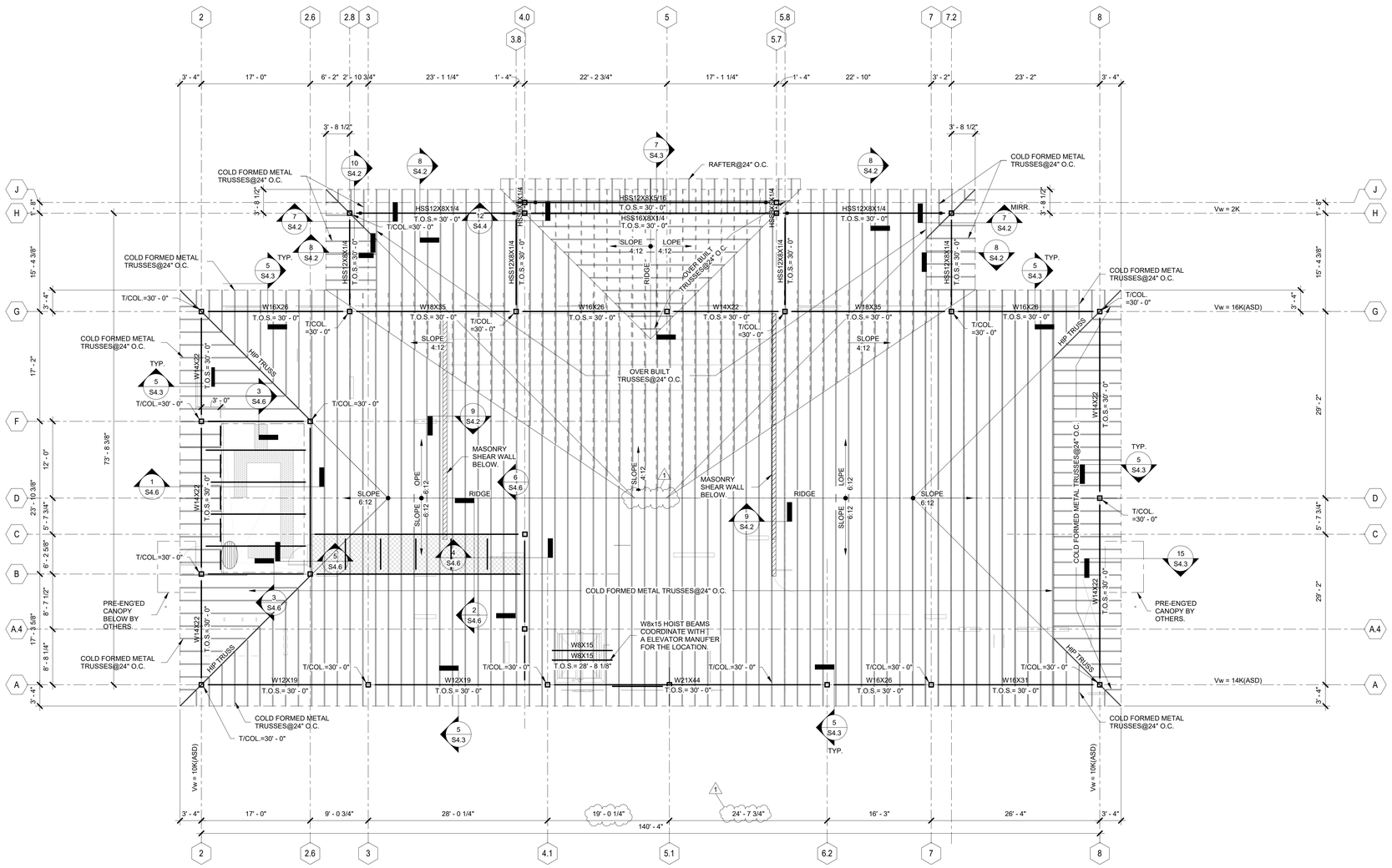
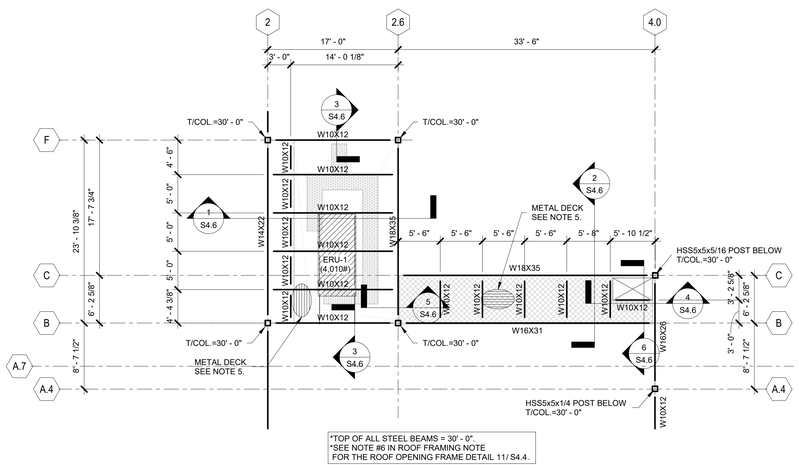
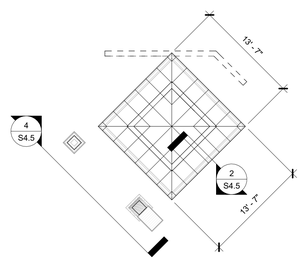


1 ROOF FRAMING PLAN
1/8" = 1'-0"



3 FRAMING PLAN FOR CATWALK AND PLATFORM
1/8" = 1'-0"



4 TICKET BOOTH FRAMING PLAN
1/8" = 1'-0"

ROOF FRAMING NOTES:

1. ROOF SHEATHING SHALL BE MIN. 5/8" THICK FIRE RETARDANT TREATED APA RATED SHEATHING WITH SDS @6" O.C. AT DIAPHRAGM BOUNDARY, 6" O.C. AT ALL PANEL EDGE OF ROOF SHEATHING, 6" O.C. AT INTERMEDIATE SUPPORT, ALL ROOF SHEATHINGS SHALL BE CONNECTED TO ADJACENT SHEATHING WITH H-CLIP @16" O.C. PROVIDE A BLOCKING AT ALL PANEL EDGE OF ROOF SHEATHINGS.
(#8 SCREWS SHALL BE USED WHEN FRAMING MEMBERS HAVE A DESIGNATION THICKNESS OF 54mm(16 ga.) OR LESS AND #10 SCREWS SHALL BE USED WHEN FRAMING MEMBERS HAVE A DESIGNATION THICKNESS GREATHER THAN 54mm)

2. ROOF SHEATHING FASTENERS MATERIAL AND FINISH SHALL BE COMPATIBLE WITH SPECIFIC TYPE OF FIRE RETARDANT SHEATHING PROVIDED.

3. CONTRACTOR COORDINATE LAYOUT AND ANCHORAGE DETAILS OF PRE-ENGINEERED METAL TRUSSES WITH TRUSS DESIGNER.

4. FRAMING TRUSS LAYOUT INDICATED IS FOR REFERENCE ONLY. FINAL LAYOUT SHALL BE DETERMINED BY PRE-ENGINEERED METAL TRUSS DESIGNER/MANUFACTURER. CONTRACTOR COORDINATE LAYOUT WITH PRE-ENGINEERED METAL TRUSS FIELD USE SHOP DRAWINGS.

5. METAL DECK SHALL BE 1 1/2" WIDE RIB ROOF DECK, TYPE B.
DECK SHALL BE PAINTED AND HAVE THE FOLLOWING MINIMUM PROPERTIES:
- THICKNESS = .0295" (22 GA)
- F = 33-KSI
- I = 0.155 in /ft
- I = 0.183 in /ft
- S = 0.186 in /ft
- S = 0.192 in /ft

ATTACH DECK TO SUPPORTS WITH #12 TEK SCREWS IN 36/7 PATTERN WITH (4)#10 TEK SCREWS SIDELAP FASTENERS PER SPAN. SEE DETAILS ON S0.1 FOR DECK ATTACHMENT PATTERN.

6. COORDINATE ROOF OPENING LOCATIONS WITH ARCHITECTURAL ROOF PLAN AND MECHANICAL DRAWINGS. PROVIDE ROOF OPENING FRAMES PER DETAIL 11/S4.4 AT ALL OPENINGS 12" OR GREATER IN DECK.U.N.O.. CONTRACTOR SHALL VERIFY ALL OPENINGS REQUIRED FOR EQUIPMENT SUPPLIED PRIOR TO SUBMITTING SHOP DRAWINGS FOR STRUCTURAL STEEL.

PRE-ENGINEERED TRUSS NOTES:

1.SEE ARCHITECTURAL DRAWING FOR THE SLOPE.

2. SEE PRE-ENGINEERED TRUSS SHOP DRAWINGS.

3. PRE-ENGINEERED METAL FRAMING DESIGNER SHALL PROVIDE ALL NECESSARY MISCELLANEOUS CLIP ANGLES, ANCHORS BETWEEN TRUSSES, ANCHORS TO STEEL STRUCTURE, FASTENERS, BRIDGING/BRACING DETAILS REQUIRED FOR COMPLETE FRAMING SYSTEM.

4. PRE-ENGINEERED METAL TRUSS DESIGNER MAY USE VARYING SLOPE TOP CHORD TRUSSES IN LIEU OF OVERBUILT TRUSSES AT THEIR DISCRETION.

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REVISIONS		
#	DATE	DESCRIPTION
1	09/09/2026	ADDENDUM #1

SHEET TITLE
ROOF FRAMING PLAN

DATE
01/03/2025

PROJECT NUMBER
22248

SHEET NUMBER
S2.4

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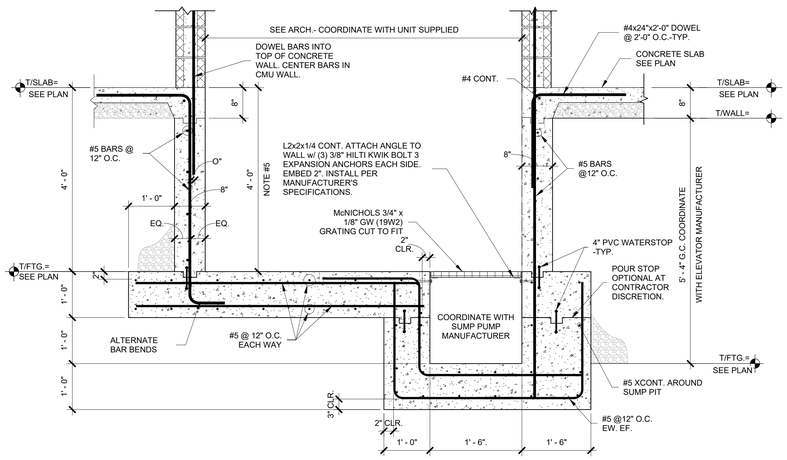
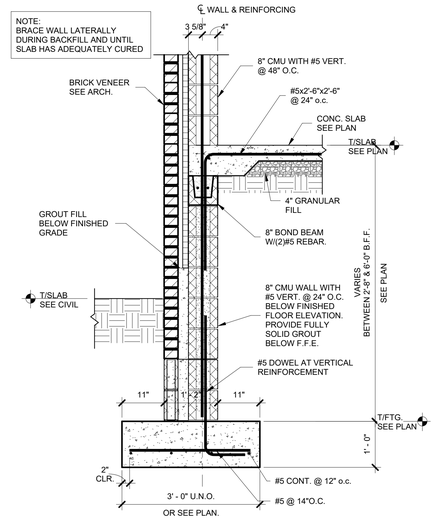


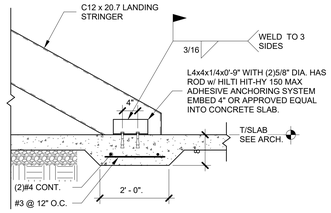
NOTES:
1. CONTRACTOR SHALL COORDINATE SILL DETAILS REQUIRED WITH MANUFACTURER FOR MODEL PROVIDED.
2. CONTRACTOR SHALL PROVIDE FILLED CELLS FOR ELEVATOR GUIDE RAIL SUPPORT BRACKET LOCATIONS AND OTHER ELEVATOR EQUIPMENT AND ACCESSORIES THAT WILL BE ANCHORED TO MASONRY WALLS.
3. REFER TO PLUMBING DRAWINGS AND MANUFACTURER'S REQUIREMENTS FOR SUMP PIT DIMENSIONS AND LOCATIONS.
4. REFER TO MANUFACTURERS REQUIREMENTS FOR JACK HOLE DETAILS IF REQUIRED.
5. CONTRACTOR SHALL COORDINATE PIT AND SHAFT DIMENSIONS WITH ELEVATOR MANUFACTURER FOR MODEL PROVIDED.

1 ELEVATOR PIT DETAIL1
3/4" = 1'-0"

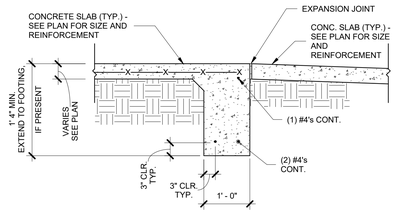


NOTE:
1.) VERTICAL WALL REINFORCING SHALL BE CONTINUOUS THROUGH ALL BOND BEAMS IN WALL. BOND BEAMS SHALL BE MADE WITH DEPRESSED WEB BLOCK OR CMU LINTEL BLOCK WITH KNOCKOUTS IN BOTTOM.

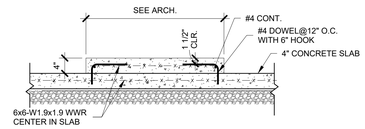
2 WALL FOOTING AT GRADE (6'-0")
3/4" = 1'-0"



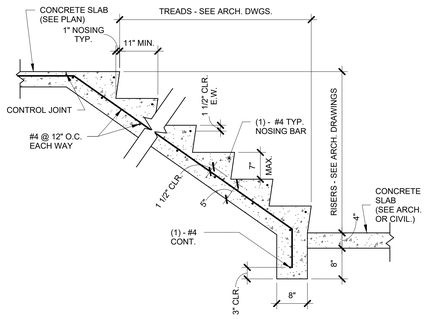
3 THICKENED SLAB AT STRINGER
3/4" = 1'-0"



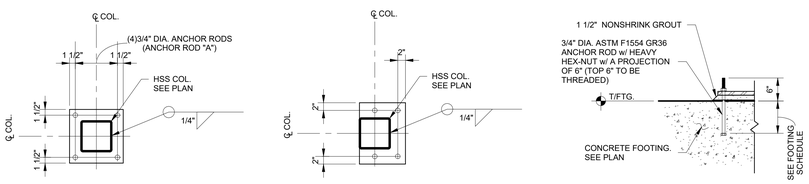
4 FOOTING TURNDOWN1
3/4" = 1'-0"



5 CONCRETE SLAB FOR EQUIPMENT
3/4" = 1'-0"



6 STAIR ON GRADE SECTION
3/4" = 1'-0"



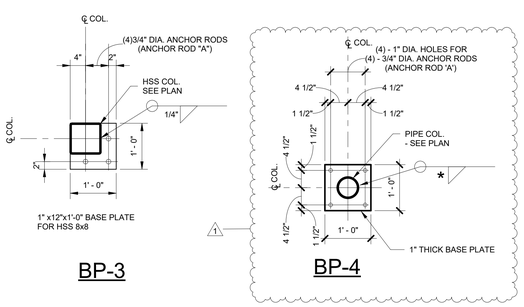
BP-1 1" x14"x1'-2" BASE PLATE FOR HSS 8x8

BP-2 1" x12"x1'-4" BASE PLATE FOR HSS 8x8

*FOR WHERE FOUNDATION CONCRETE PIERS ARE NOT INDICATED.

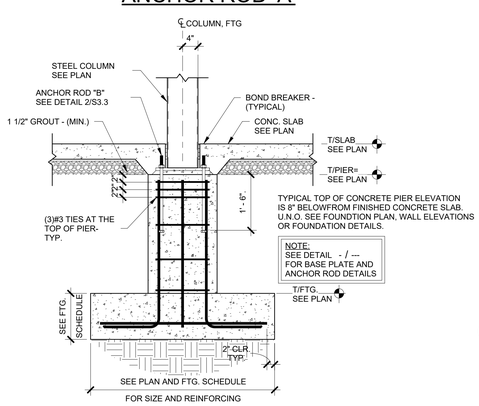
ANCHOR ROD 'A'

*SEE PLAN FOR THE ORIENTATION OF BASE PLATE

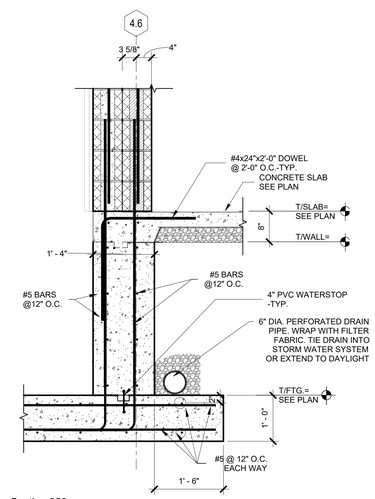


BP-3 1" x12"x1'-0" BASE PLATE FOR HSS 8x8

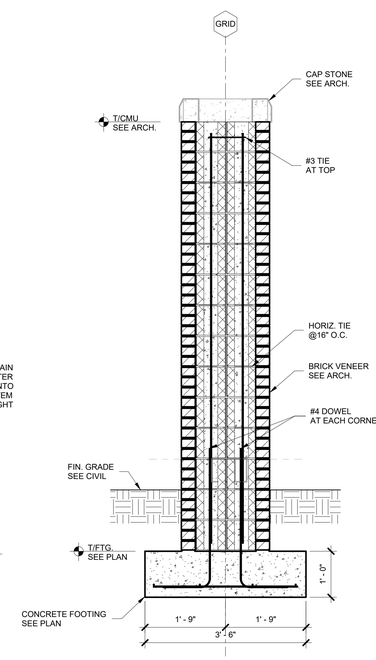
BP-4



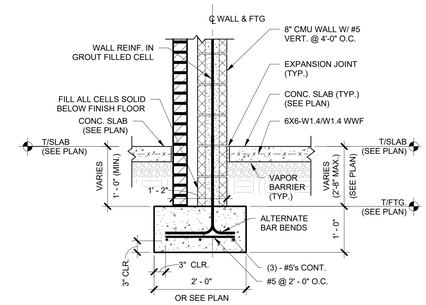
7 TYP. BASE PLATE DETAILS AND ANCHOR ROD DETAILS
3/4" = 1'-0"



8 Section 658
3/4" = 1'-0"

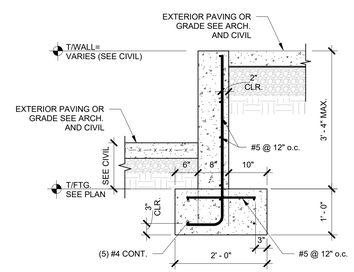


9 Section 697
3/4" = 1'-0"

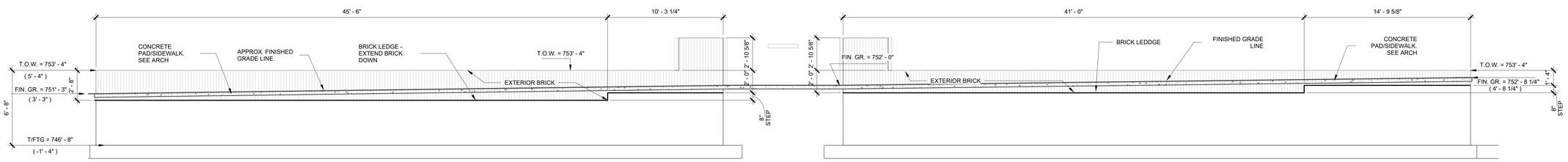


NOTE:
1.) VERTICAL WALL REINFORCING SHALL BE CONTINUOUS THROUGH ALL BOND BEAMS IN WALL. BOND BEAMS SHALL BE MADE WITH DEPRESSED WEB BLOCK OR CMU LINTEL BLOCK WITH KNOCKOUTS IN BOTTOM.

10 WALL FOOTING SECTION
3/4" = 1'-0"



11 RETAINING WALL SECTION 1
3/4" = 1'-0"



12 RETAINING WALL WITH STEPS IN BRICK
1/4" = 1'-0"

NOTE: ELEVATIONS SHOWN ABOVE ARE IN ELEVATION - MSL.
ELEVATIONS IN (X'-XX") ARE REFERENCED FROM THE LOWER BUILDING FFE (748'-0").

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GA COA # PEF000562 EXPIRES: 06/30/2024

09/09/26

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS #	DATE	DESCRIPTION
1	09/09/2026	ADDENDUM #1

SHEET TITLE
FOUNDATION SECTIONS & DETAILS

DATE 01/03/2025

PROJECT NUMBER 22248

SHEET NUMBER S3.3

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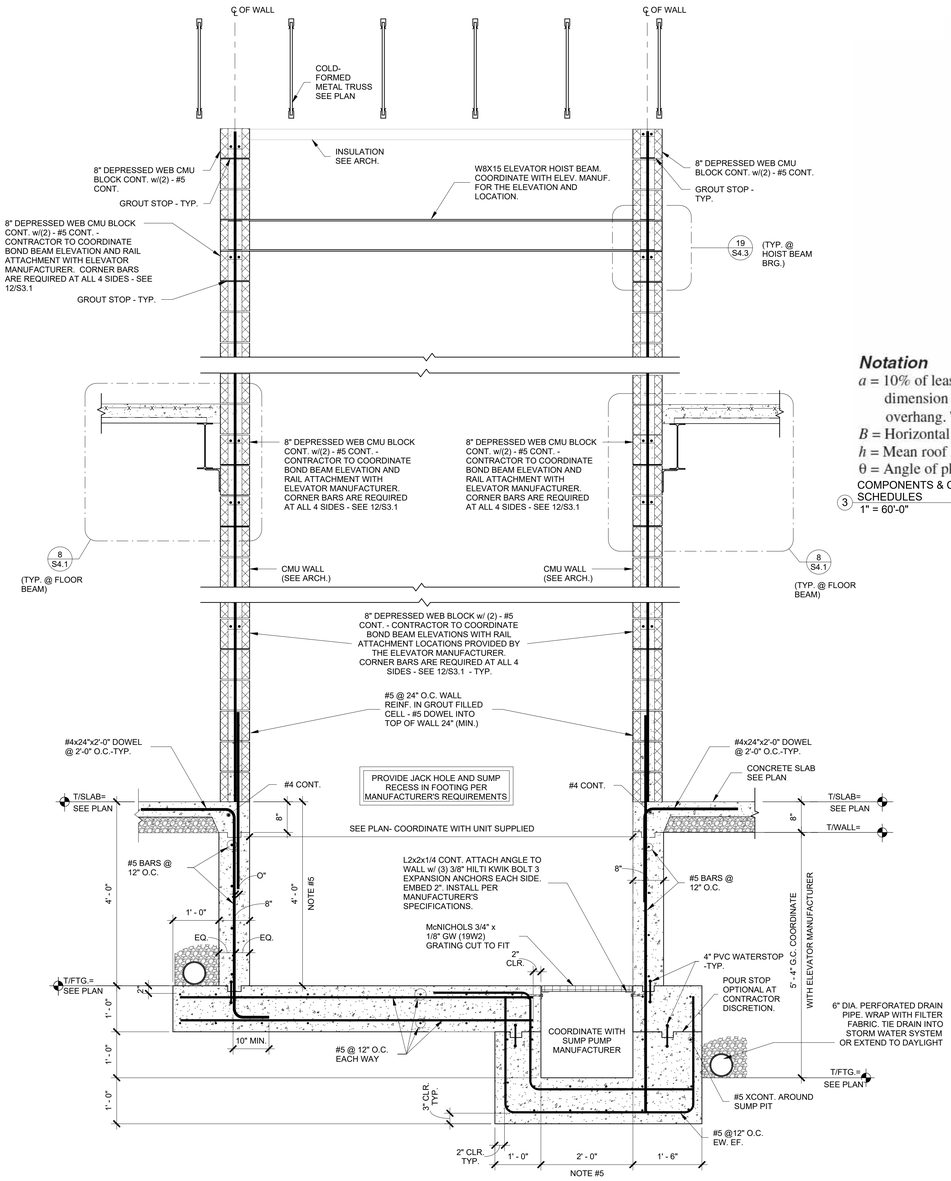
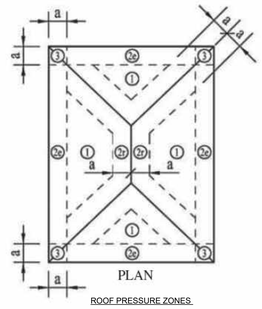
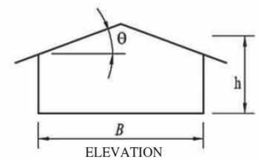


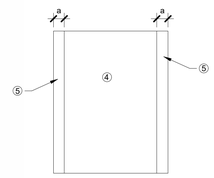
NOTES:
1. CONTRACTOR SHALL COORDINATE SILL DETAILS REQUIRED WITH MANUFACTURER FOR MODEL PROVIDED.
2. CONTRACTOR SHALL PROVIDE FILLED CELLS FOR ELEVATOR GUIDE RAIL SUPPORT BRACKET LOCATIONS AND OTHER ELEVATOR EQUIPMENT AND ACCESSORIES THAT WILL BE ANCHORED TO MASONRY WALLS.
3. REFER TO PLUMBING DRAWINGS AND MANUFACTURER'S REQUIREMENTS FOR SUMP PIT DIMENSIONS AND LOCATIONS.
4. REFER TO MANUFACTURERS REQUIREMENTS FOR JACK HOLE DETAILS IF REQUIRED.
5. CONTRACTOR SHALL COORDINATE PIT AND SHAFT DIMENSIONS WITH ELEVATOR MANUFACTURER FOR MODEL PROVIDED.

1 ELEVATOR DETAIL
3/4" = 1'-0"



ROOF PRESSURE ZONES





WALL PRESSURE ZONES

Notation

a = 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). If an overhang exists, the edge distance shall be measured from the outside edge of the overhang. The horizontal dimensions used to compute the edge distance shall not include any overhang distances.
B = Horizontal dimension of building measured normal to wind direction, in ft (m).
h = Mean roof height, in ft (m).
θ = Angle of plane of roof from horizontal, in degrees.

3 COMPONENTS & CLADDING WIND LOAD SCHEDULES
1" = 60'-0"

COMPONENT AND CLADDING DESIGN
WIND PRESSURES (PSF)

ROOF SURFACE PRESSURES

Area	7 sf	10 sf	100 sf	200 sf					
Negative Zone 1	-34.6	-34.6	-21.5	-21.5					
Negative Zone 2e & 2r	-47.7	-47.7	-30.9	-25.8					
Negative Zone 3	-47.7	-47.7	-30.9	-25.8					
Positive All Zones	19.3	19.3	16.0	16.0					
Overhang Zone 1	-41.6	-41.6	-39.4	-39.4					
Overhang Zone 2e & 2r	-54.7	-54.7	-46.3	-43.8					
Overhang Zone 3	-67.9	-67.9	-40.9	-32.8					

PARAPET SURFACE PRESSURES

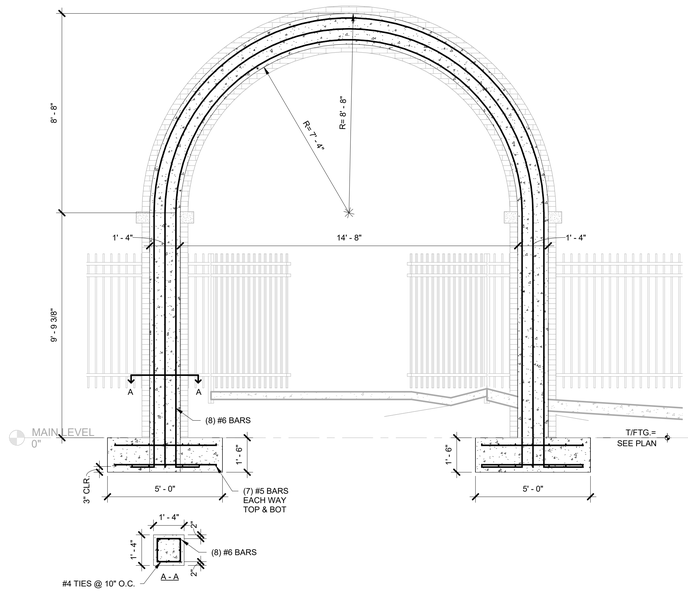
SOLID PARAPET PRESSURE	10 sf	20 sf	50 sf	100 sf	200 sf	500 sf		
CASE A: Zone 2e & 2r :	0.0	0.0	0.0	0.0	0.0	0.0		
Zone 3 :	0.0	0.0	0.0	0.0	0.0	0.0		
CASE B: Interior zone :	0.0	0.0	0.0	0.0	0.0	0.0		
Corner zone :	0.0	0.0	0.0	0.0	0.0	0.0		

WALL SURFACE PRESSURES

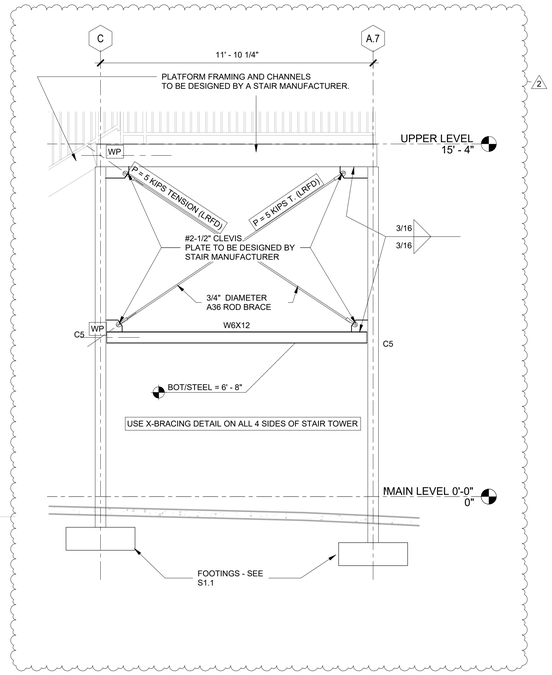
Area	10 sf	100 sf	200 sf	500 sf
NEGATIVE ZONE 4	-28.0	-24.2	-23.0	-21.5
NEGATIVE ZONE 5	-34.6	-26.9	-24.5	-21.5
POSITIVE ZONE 4 & 5	25.8	22.0	20.8	19.3

NOTES:
1) TABLE PRESSURES ARE FOR THE SQUARE FOOT (SF) TRIBUTARY AREA SHOWN. FOR OTHER TRIBUTARY AREAS, LINEARLY INTERPOLATE BETWEEN VALUES SHOWN ABOVE.
2) POSITIVE PRESSURES ACT TOWARD THE BUILDING. NEGATIVE PRESSURES ACT AWAY FROM THE BUILDING.
3) SEE DIAGRAMS FOR LOCATION OF ZONES.
4) PRESSURES SHOWN ARE ULTIMATE PRESSURES, MULTIPLY BY 0.6 FOR NOMINAL PRESSURES

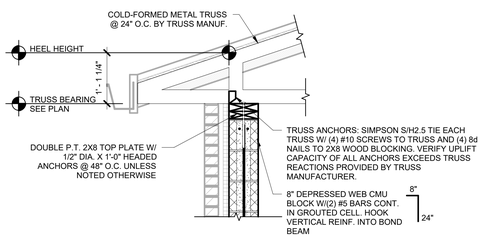
a=6.0 ft



4 ARCH ELEVATION AND DETAILS
3/8" = 1'-0"



5 X-BRACING @ STAIR TOWER
3/8" = 1'-0"



2 TRUSS BEARING DETAIL
3/4" = 1'-0"

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09/09/26

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS

#	DATE	DESCRIPTION
1	03/27/2025	Fire Chief Comments Response
2	09/09/2026	ADDENDUM #1

SHEET TITLE
FRAMING SECTIONS & DETAILS

DATE
01/03/2025

PROJECT NUMBER
22248

SHEET NUMBER
S4.5

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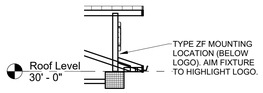
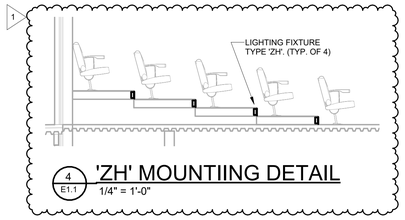
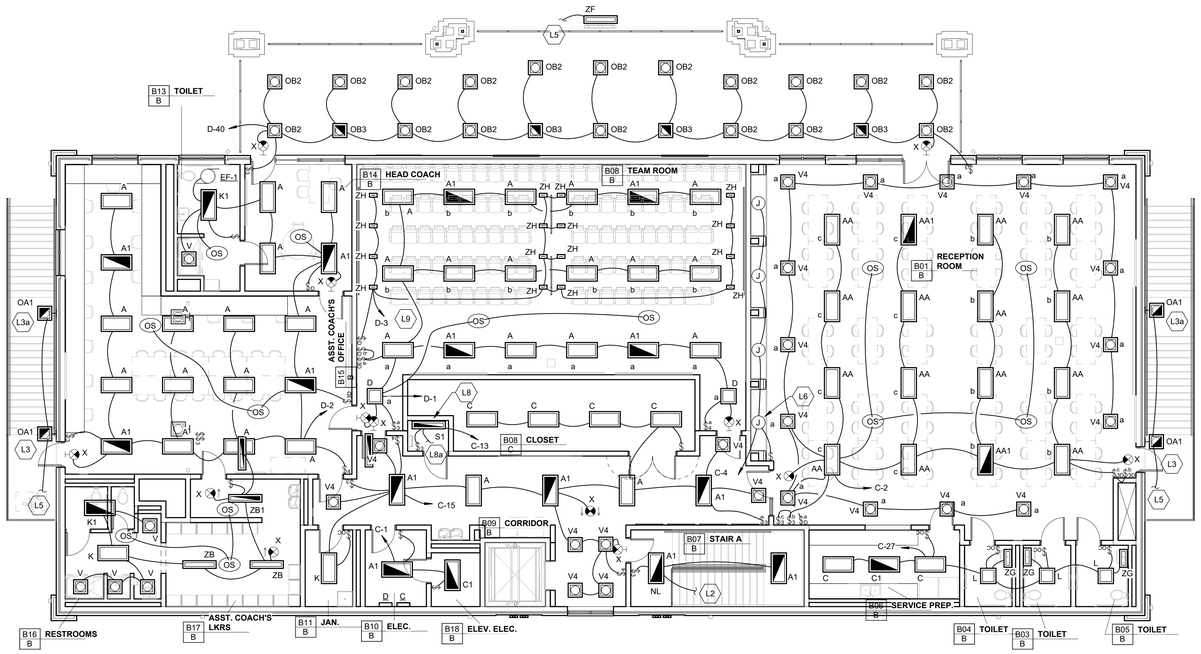


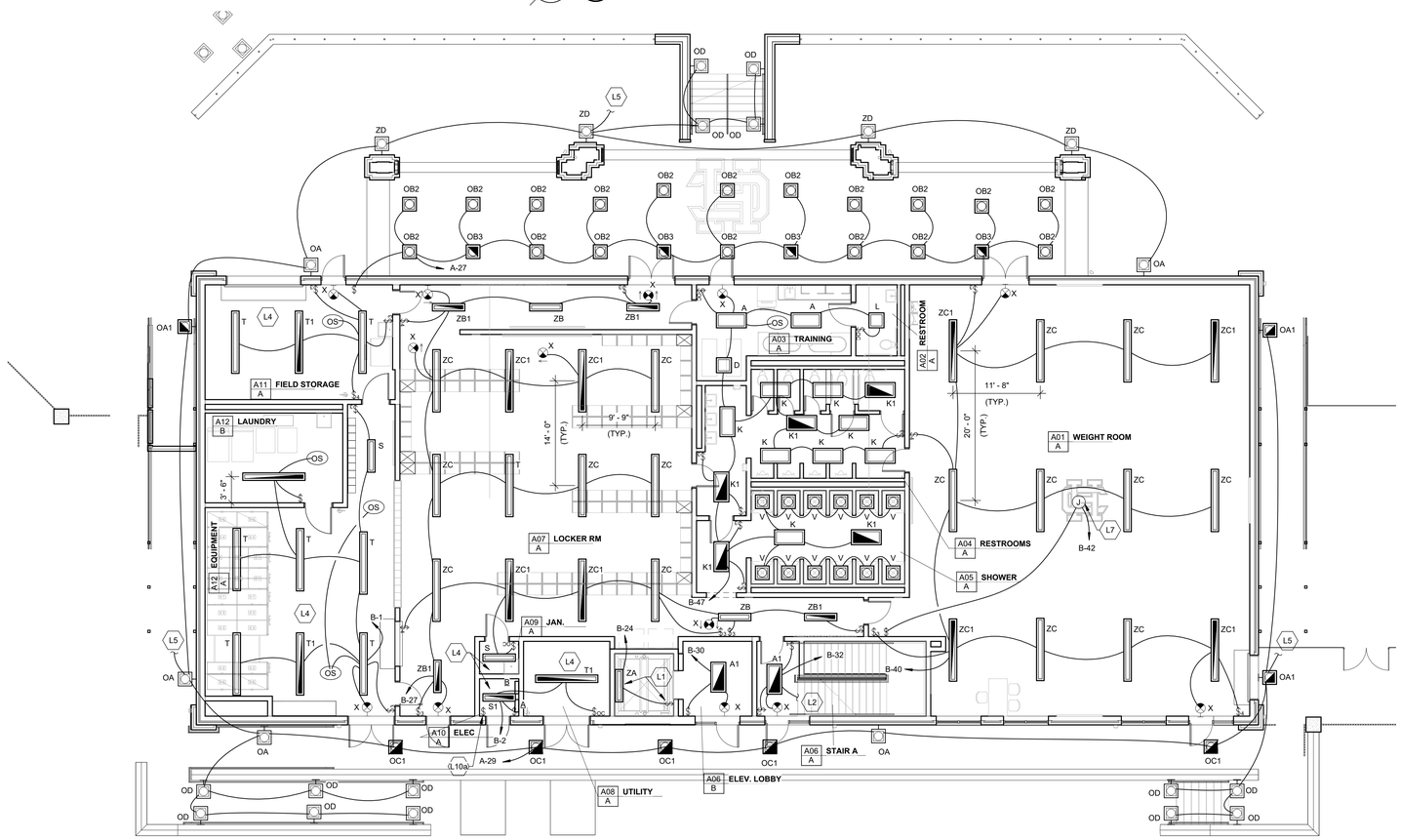
3 E1.1 TYPE ZF MOUNTING LOCATION
1/8" = 1'-0"



4 E1.1 'ZH' MOUNTIING DETAIL
1/4" = 1'-0"



2 E1.1 LIGHTING PLAN - UPPER LEVEL
1/8" = 1'-0"



1 E1.1 LIGHTING PLAN - MAIN LEVEL
1/8" = 1'-0"

PROJECT SPECIAL NOTES

1. NO CONDUIT SHALL BE INSTALLED IN ANY FLOOR SLAB THAT IS NOT ON GRADE. NO EXCEPTIONS. CONDUIT SHALL BE INSTALLED OVERHEAD OR ROUTED THROUGH THE SLAB AND INSTALLED ABOVE THE CEILING OF THE LEVEL BELOW.

LIGHTING PLAN NOTES

1. SEE ARCHITECTURAL REFLECTIVE CEILING PLANS FOR LOCATIONS OF LIGHTING FIXTURES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING NUMBER OF CONDUCTORS IN BRANCH CIRCUITS AND SWITCH LEGS.
3. OCCUPANCY SENSOR QUANTITIES AND LOCATIONS ARE SUGGESTIONS ONLY. CONTRACTOR SHALL VARY QUANTITY AND LOCATIONS BASED ON MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL SUBMIT MANUFACTURER'S LAYOUT FOR REVIEW.
4. ALL CONTROL RELAYS ('R', 'FR', 'ER') SHALL BE IN ACCESSIBLE LOCATIONS (ABOVE A GRID CEILING), OR PROVIDE AN ACCESS PANEL.
5. ALL LIGHT SWITCHES SHOWN ADJACENT TO ONE ANOTHER SHALL BE UNDER THE SAME WALL PLATE. SEE POWER PLANS FOR ANY ADDITIONAL SWITCH(ES) REQUIRED AT THE SAME LOCATION FOR FAN CONTROLS.

ELECTRICAL KEYNOTES

VALUE	NOTE
L1	WALL MOUNT LIGHT. VERIFY MOUNTING LOCATION OF LIGHT AND SWITCH WITH ELEVATOR INSTALLER. LIGHT AND SWITCH SHALL NOT INTERFERE WITH ELEVATOR OPERATION.
L2	UP / DOWN TO ADDITIONAL LIGHTING FIXTURES IN STAIRWELL.
L3	MOUNT 9'-0" ABOVE LANDING.
L3a	MOUNT 9'-0" ABOVE LANDING (16'-4" AFF OF MAIN LEVEL).
L4	SEE RELECTED CEILING PLAN NOTES ON ARCHITECTURAL SHEETS FOR ROUTING OF CONDUIT AND MOUNTING OF LIGHTING FIXTURES IN THIS ROOM.
L5	UP / DOWN TO ADDITIONAL LIGHTING FIXTURES ON EXTERIOR.
L6	JUNCTION BOX FOR DISPLAY CASE LIGHTING. COORDINATE WITH INSTALLER.
L7	JUNCTION BOX FOR SCHOOL LOGO FIXTURE. VERIFY MOUNTING LOCATION AND REQUIREMENTS WITH MANUFACTURER.
L8	MOUNT LIGHTING FIXTURE ON WALL AT 10'-0" AFF.
L8a	UP / DOWN TO ADDITIONAL LIGHTING FIXTURES IN ATTIC / LADDER.
L9	ROUTE BRANCH CIRCUIT THROUGH EMERGENCY BATTERY. IOTA #IIL 250 HED OR APPROVED EQUAL. MOUNT ON WALL ADJACENT TO
L10a	SWITCH FOR FIELD LIGHTS.

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09/09/2026

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS	DATE	DESCRIPTION
1	09/09/2026	ADDENDUM #1

SHEET TITLE
LIGHTING PLANS

DATE
08/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
E1.1

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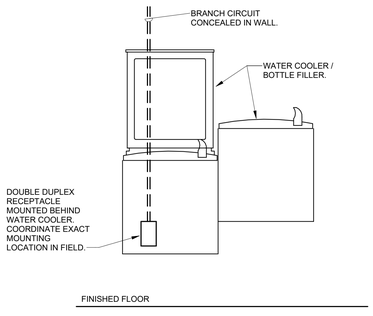
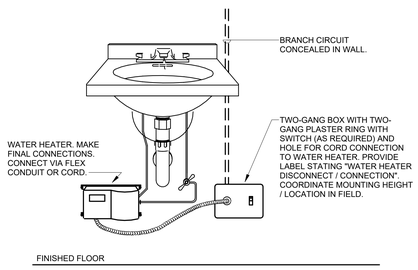
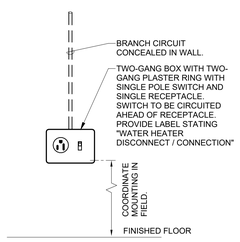


NOTE:
1. PROVIDE GFI CIRCUIT BREAKER.

4 E2.1 WATER COOLER DETAIL
NOT TO SCALE

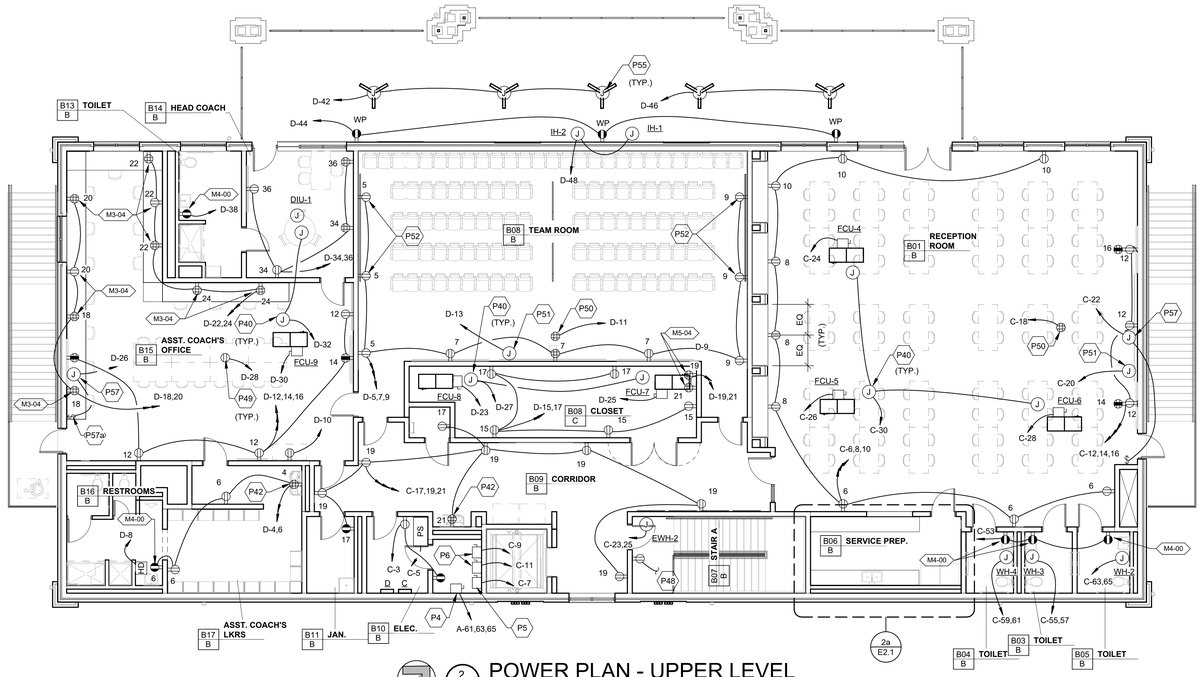


3 E2.1 INSTANTANEOUS WATER HEATER DETAIL
NOT TO SCALE

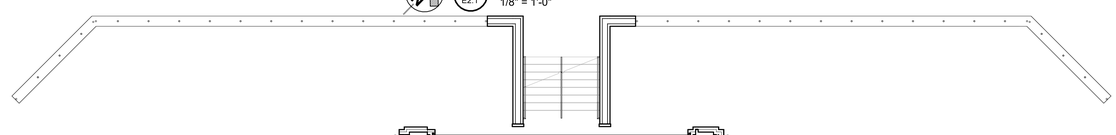


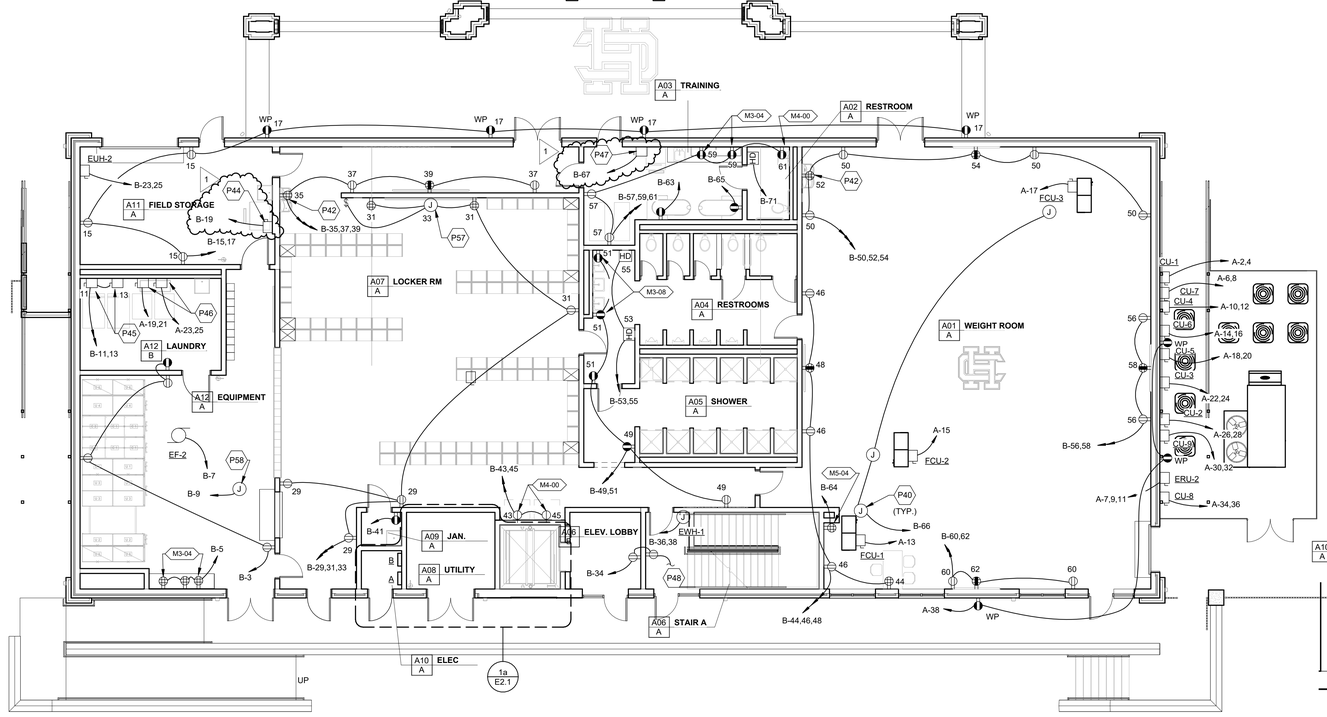
NOTE:
IF WATER HEATER DOES NOT COME WITH CORD AND PLUG, PROVIDE OPENING IN COVERPLATE WITH FLEXIBLE CONDUIT AND CONDUCTORS TO EQUIPMENT.

5 E2.1 INSTANTANEOUS WATER HEATER DETAIL
NOT TO SCALE

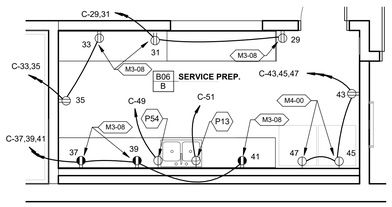


2 E2.1 POWER PLAN - UPPER LEVEL
1/8" = 1'-0"

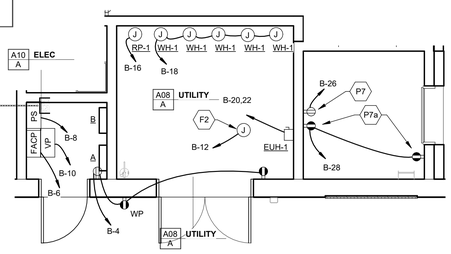




1 E2.1 POWER PLAN - MAIN LEVEL
1/8" = 1'-0"



2a E2.1 ENLARGED POWER PLAN
1/4" = 1'-0"



1a E2.1 ENLARGED POWER PLAN
1/4" = 1'-0"

PROJECT SPECIAL NOTES

1. NO CONDUIT SHALL BE INSTALLED IN ANY FLOOR SLAB THAT IS NOT ON GRADE. NO EXCEPTIONS. CONDUIT SHALL BE INSTALLED OVERHEAD OR ROUTED THROUGH THE SLAB AND INSTALLED ABOVE THE CEILING OF THE LEVEL BELOW.

ELEVATOR SPECIAL NOTES

1. ELECTRICAL WORK FOR ELEVATOR SHALL BE IN STRICT COMPLIANCE WITH INSTRUCTIONS FROM ELEVATOR CONTRACTOR AND AUTHORITY HAVING JURISDICTION. SEE ELEVATOR SHOP DRAWINGS.
2. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ELEVATOR EQUIPMENT.
3. ELEVATOR DISCONNECTS SHALL BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
4. COORDINATE DISCONNECT AND ELECTRICAL EQUIPMENT LOCATIONS WITHIN THE ELEVATOR MACHINE ROOM WITH THE ELEVATOR INSTALLER PRIOR TO ROUGH-IN. INSTALLATION OF ELECTRICAL EQUIPMENT SHALL MEET WORKING SPACE / CLEARANCE REQUIREMENTS OF THE NEC.

POWER PLAN NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING NUMBER OF CONDUCTORS IN BRANCH CIRCUITS.
2. ALL RECEPTACLES SHALL BE TAMPER-RESISTANT PER NEC 406.12.
3. FOR ALL MECHANICAL EQUIPMENT, REFER TO MECHANICAL EQUIPMENT SCHEDULES AND NOTES FOR REQUIREMENTS FOR BRANCH CIRCUITS, DISCONNECTS, ETC.

ELECTRICAL KEYNOTES

VALUE	NOTE
F2	JUNCTION BOX FOR ELECTRIC WATER GONG. VERIFY EXACT LOCATION IN FIELD. MAKE FINAL CONNECTION. SEE POWER PLAN.
P4	DISCONNECT FOR ELEVATOR (208V, 3Ø, 30HP). 200/3/F-200/1 WITH AUXILIARY CONTACTS FOR ELEVATOR POWER UNIT. 3#4/0, #4/0G,3"C. VERIFY EXACT FUSE SIZE REQUIRED WITH MANUFACTURER.
P5	DICONNECT FOR ELEVATOR LIGHTS, ETC. (120V, 1Ø, 1KW). 30/2/NF/1.
P6	DICONNECT FOR ELEVATOR COMMUNICATION / VIDEO SYSTEM (120V, 1Ø, 1KW). 30/2/NF/1.
P7	RECEPTACLE FOR SUMP PUMP. MOUNT WITHIN 6'-0" OF SUMP PUMP.
P7a	MAINTENACE RECEPTACLE. VERIFY MOUNTING LOCATION OF LIGHT AND SWITCH WITH ELEVATOR INSTALLER. RECEPTACLE SHALL NOT INTERFERE WITH ELEVATOR OPERATION.
P13	RECEPTACLE FOR UNDER COUNTER FOR DISHWASHER. MOUNT IN ACCESSIBLE LOCATION UNDER SINK. SEE MANUFACTURER'S SHOP DRAWINGS FOR EXACT MOUNTING LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.
P40	JUNCTION BOX AND SWITCH (FOR DISCONNECT) ABOVE CEILING FOR CONDENSATE PUMP. VERIFY MOUNTING LOCATION IN FIELD.
P42	DOUBLE DUPLEX RECEPTACLE FOR WATER COOLER. SEE DETAIL. PROVIDE GFI CIRCUIT BREAKER.
P44	DISCONNECT FOR ICE MACHINE (120V.1Ø, 10.6A) 30/2/NF/1. COORDINATE MOUNTING LOCATION IN FIELD.
P45	DISCONNECT FOR WASHER (120V, 1Ø, 16A). 30/2/NF/3R.
P46	DISCONNECT FOR DRYER (208V, 1Ø, 6.5A). 30/2/NF/3R.
P47	DISCONNECT FOR ICE MACHINE (120V.1Ø, 10.6A) 30/2/NF/1. COORDINATE MOUNTING LOCATION IN FIELD.
P48	UP / DOWN TO ADDITIONAL RECEPTACLES IN STAIRWELL.
P49	RECEPTACLE IN POKE-THRU DEVICE. PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE INSTALLATION. SUBMIT FOR REVIEW.
P50	RECEPTACLE MOUNTED FLUSH WITH CEILING FOR PROJECTOR. COORDINATE LOCATION WITH AV INSTALLER / OWNER.
P51	JUNCTION BOX FOR MOTORIZED SCREEN. COORDINATE EXACT LOCATION AND CONTROLS WITH AV INSTALLER / OWNER.
P52	MOUNT BOTTOM OF BOX 1'-4" ABOVE RISER. VERIFY EXACT HEIGHT IN FIELD.
P54	RECEPTACLE FOR ICE MACHINE (120V,1Ø, 3.8A). PROVIDE GFI CIRCUIT BREAKER. VERIFY MOUNTING LOCATION IN FIELD.
P55	CEILING FAN. KICHLER #330151SBK OR APPROVED EQUAL. INSTALL WITHOUT LIGHT.
P57	JUNCTION BOX FOR GAME CLOCK. VERIFY EXACT REQUIREMENTS (RECEPTACLE, ETC.) WITH MANUFACTURER / INSTALLER FOR SIZE REQUIRED. MOUNT BOTTOM OF BOX AT 9'-4" AFF.
P57a	SWITCH FOR GAME CLOCK. MOUNT SWITCH UNDER SAME COVERPLATE AS SWITCH FOR LIGHTS. PROVIDE LABEL ABOVE SWITCH STATING "GAME CLOCK".
P58	POWER SUPPLY FOR SMOKE DAMPERS. SEE FIRE ALARM PLANS.

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FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS #	DATE	DESCRIPTION
1	08/05/2026	ADDENDUM #1

SHEET TITLE
POWER PLANS

DATE
08/11/2026

PROJECT NUMBER
22248

SHEET NUMBER
E2.1

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PROJECT SPECIAL NOTES

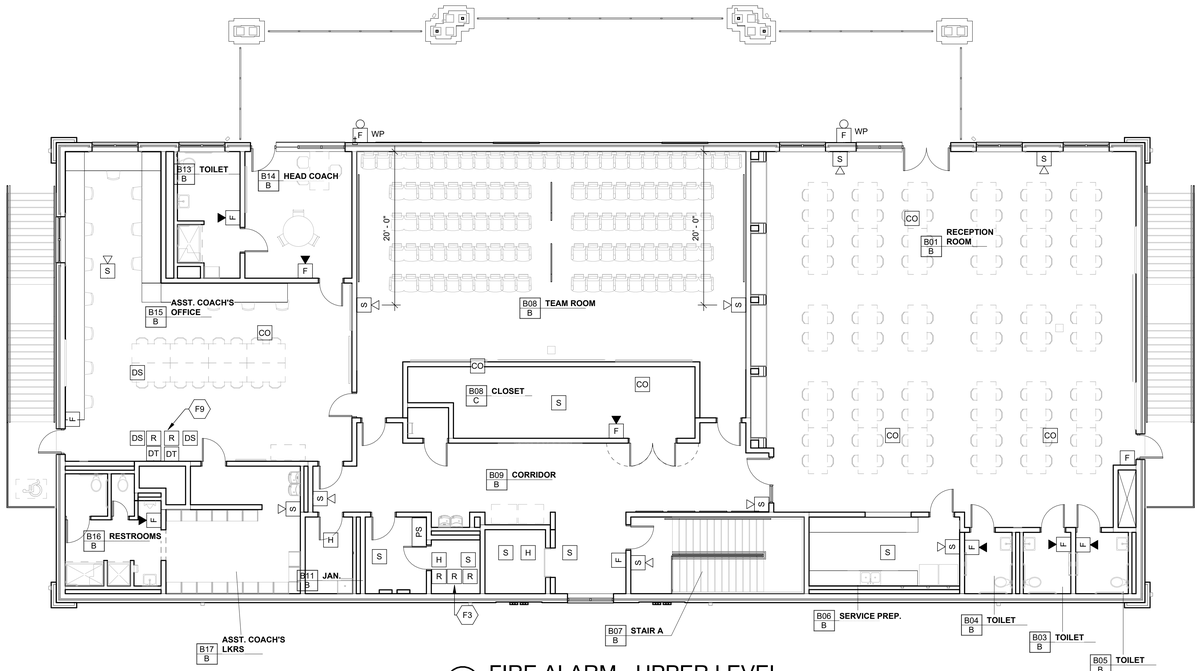
1. NO CONDUIT SHALL BE INSTALLED IN ANY FLOOR SLAB THAT IS NOT ON GRADE. NO EXCEPTIONS. CONDUIT SHALL BE INSTALLED OVERHEAD OR ROUTED THROUGH THE SLAB AND INSTALLED ABOVE THE CEILING OF THE LEVEL BELOW.

FIRE ALARM PLAN NOTES

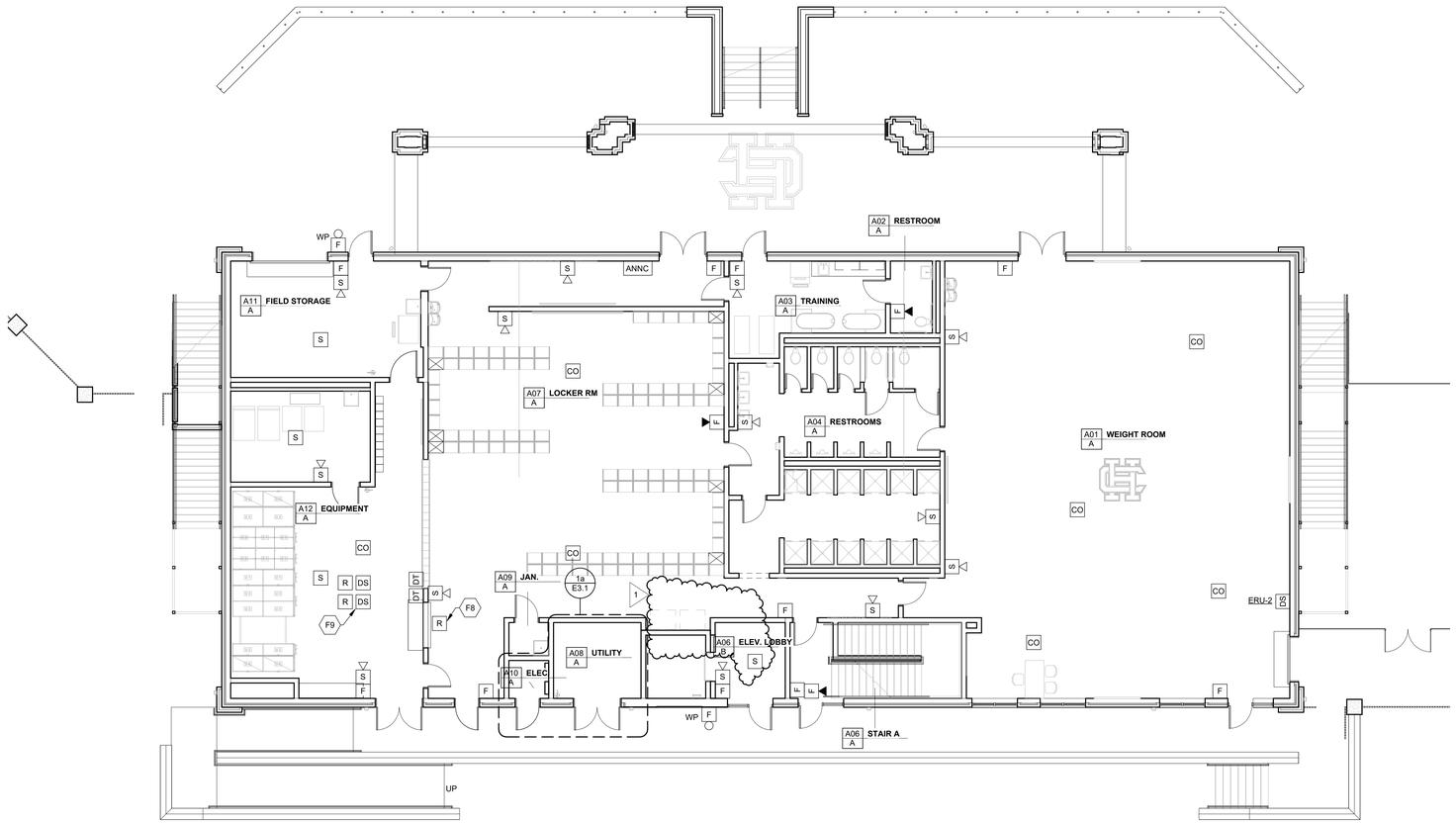
1. REFER TO NFPA 72 FOR MOUNTING HEIGHTS/LOCATIONS OF ALL FIRE ALARM DEVICES / APPLIANCES.
2. PROVIDE POWER EXTENDER PANELS AS REQUIRED BY FIRE ALARM SYSTEM MANUFACTURER'S SUPPLIER AT THE LOCATIONS SHOWN.
3. PROVIDE ALL NECESSARY BRANCH CIRCUITS TO POWER EXTENDER PANELS. BRANCH CIRCUITS SHALL BE FED FROM NEAREST 208Y/120V PANELBOARD. PROVIDE LOCKON DEVICES ON CIRCUIT BREAKER HANDLES.
4. FIRE ALARM CABLES NOT SPECIFIED TO BE IN CONDUIT SHALL BE INSTALLED IN CABLE TRAY SYSTEM OR SUPPORTED FROM BUILDING STRUCTURAL COMPONENTS. FIRE ALARM CABLES SHALL NOT BE SUPPORTED BY CEILING TILES OR CEILING GRID SYSTEMS.

ELECTRICAL KEYNOTES

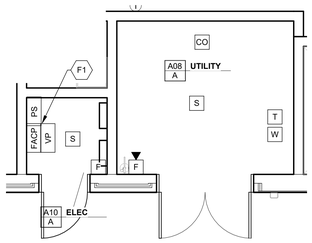
VALUE	NOTE
F1	VERIFY LOCATION WITH AUTHORITY HAVING JURISDICTION PRIOR TO ROUGH-IN.
F3	RELAYS FOR ELEVATOR CONTROL. COORDINATE EXACT LOCATION AND QUANTITY WITH ELEVATOR INSTALLER.
F8	RELAY TO INTERFACE WITH OVERHEAD DOOR. DOOR SHALL CLOSE WHEN FIRE ALARM IS ACTIVATITED.
F9	DUCT SMOKE DETECTORS, REMOTE TEST SWITHES, AND RELAYS FOR SMOKE DAMPER. MAKE FINAL CONNECTIONS. SEE POWER PLANS FOR BRANCH CIRCUIT REQUIREMENTS.



2 E3.1 FIRE ALARM - UPPER LEVEL
1/8" = 1'-0"



1 E3.1 FIRE ALARM PLAN - MAIN LEVEL
1/8" = 1'-0"



1a E3.1 ENLARGED FIRE ALARM PLAN
1/4" = 1'-0"

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GA COA # PEF000562 EXPIRES: 06/30/2024

09/09/2026

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

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RECEPTION ROOM A/V SYSTEM REQUIREMENTS

MANUFACTURER	PRODUCT #	EQUIPMENT DETAILS	QT
SONANCE	PS-C83RT	8" Ceiling speakers	16
SONANCE	PS-C83RWT	8" Ceiling speaker subwoofer	4
SONANCE	Installation hardware for all speaker types		
POWERSOFT	PF00D465	4804 DSP Quattrocanali	1
BEHRINGER	WINGRACK	48-CH DIGITAL MIXER RACK	1
NETGEAR	RAX29-100NAS	NIGHTHAWK AX2400 WIFI 6 ROUTER - RAX29-100NAS - Wireless	1
	Audio Controls	Audio Control tablet for wireless control	1
ALFATRON	ALF-DSP88-U	8x8 Audio Digital Sound Processor	2
AUDIX	AP42C210A	R42 Dual-Channel Diversity Receiver with OM2 HH Mic and bodypack with Lapel Mic	1
AUDIX	HT5	Headset mic for wireless bodypack	1
AUDIX	ANTDA4161	Two Active Directional Antennae. 500 MHz - 700 MH 500 MHz - 700 MH	1
	Paddle Mounts	Mounting hardware for paddle antennas	2
RDL	D-BT1A	Wall-Mounted Bluetooth Audio Format-A Interface (White)	1
RDL	TX-TPR1A	Active Single-Pair Format-A Receiver	1
RDL	PS-24AS	Switching Power Supply	1
RDL	TX-J2	Unbalanced Input Transformer	1
RDL	D-CIJ3	Consumer Input Jacks (Mono) (White/Gray)	1
RDL	TX-A2	Mono Balanced to Unbalanced Signal Converter	1
STRONG	SR-WMS-21U	LOCKABLE WALL MOUNTED RACK	1
STRONG	Rack Accessories required		1
MIDDLEATLANTIC	UPS-S2200R	2 RU Select Series UPS Backup Power, 2200VA	1
MIDDLEATLANTIC	RLNK-915R	Select Series PDU with RackLink, 9 Outlet Select PDU with RackLink Series SKU: RLNK-915R	1
DA-LITE	DL15029L	Tensioned Advantage Series motorized screen; 164" diagonal size; 16:10 format	1
EPSON	EB-PU1008W	WUXGA 8500 Lumens Laser Projector with appropriate interchangeable lens	1
CHIEF	CMP MOUNT	Mounting hardware for complete projector installation	1
KRAMER	KDS-EN7	AVIP Encoder	1
KRAMER	WP-SW2-EN7	Wall plate encoder AVIP	1
KRAMER	KDS-DEC7	AVIP Decoders for Projector and owner displays	3
KRAMER	KDS-DEC7	AVIP Audio Decoder AUDIO	1
KRAMER	KC-VIRTUAL	Brain control module BRAIN1	1
KRAMER	KT-208WM	Wall mounted control tablet 8"	1
KRAMER	VIA-CONNECT3	Wireless collaboration hardware	1
NETGEAR	GSM4230PX	AV Network Switch (custom configuration)	1

TEAM ROOM A/V SYSTEM REQUIREMENTS

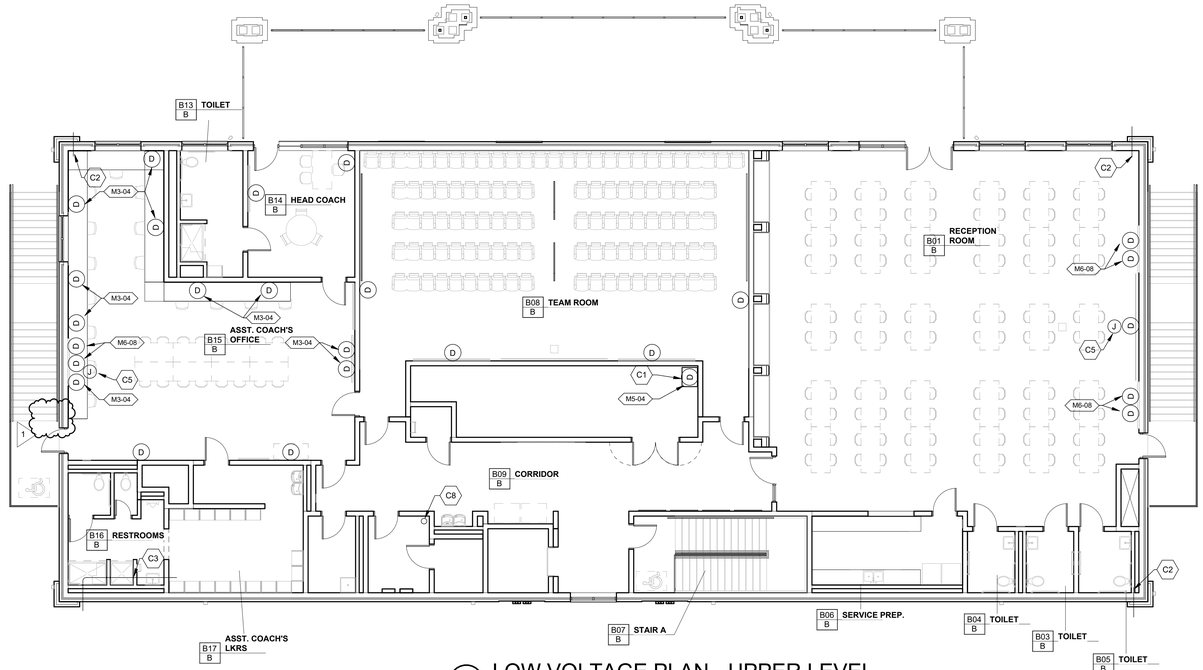
MANUFACTURER	PRODUCT #	EQUIPMENT DETAILS	QT
SONANCE	PS-C83RT	8" Ceiling speakers	16
SONANCE	PS-C83RWT	8" Ceiling speaker subwoofer	4
SONANCE	Installation hardware for all speaker types		
POWERSOFT	PF00D465	4804 DSP Quattrocanali	1
BEHRINGER	WINGRACK	48-CH DIGITAL MIXER RACK	1
NETGEAR	RAX29-100NAS	NIGHTHAWK AX2400 WIFI 6 ROUTER - RAX29-100NAS - Wireless	1
	Audio Controls	Audio Control tablet for wireless control	1
ALFATRON	ALF-DSP88-U	8x8 Audio Digital Sound Processor	2
AUDIX	AP42C210A	R42 Dual-Channel Diversity Receiver with OM2 HH Mic and bodypack with Lapel Mic	1
AUDIX	HT5	Headset mic for wireless bodypack	1
AUDIX	ANTDA4161	Two Active Directional Antennae. 500 MHz - 700 MH	1
	Paddle Mounts	Mounting hardware for paddle antennas	2
RDL	D-BT1A	Wall-Mounted Bluetooth Audio Format-A Interface (White)	1
RDL	TX-TPR1A	Active Single-Pair Format-A Receiver	1
RDL	PS-24AS	Switching Power Supply	1
RDL	TX-J2	Unbalanced Input Transformer	1
RDL	D-CIJ3	Consumer Input Jacks (Mono) (White/Gray)	1
RDL	TX-A2	Mono Balanced to Unbalanced Signal Converter	1
STRONG	SR-WMS-21U	LOCKABLE WALL MOUNTED RACK	1
STRONG	Rack Accessories required		1
MIDDLEATLANTIC	UPS-S2200R	2 RU Select Series UPS Backup Power, 2200VA	1
MIDDLEATLANTIC	RLNK-915R	Select Series PDU with RackLink, 9 Outlet Select PDU with RackLink Series SKU: RLNK-915R	1
DA-LITE	21818L	Tensioned Advantage Series motorized screen; 189" diagonal size; 16:10 format	1
EPSON	EB-PU1008W	WUXGA 8500 Lumens Laser Projector with appropriate interchangeable lens	1
CHIEF	CMP MOUNT	Mounting hardware for complete projector installation	1
KRAMER	KDS-EN7	AVIP Encoder	1
KRAMER	WP-SW2-EN7	Wall plate encoder AVIP	1
KRAMER	KDS-DEC7	AVIP Decoders for Projector and owner displays	3
KRAMER	KDS-DEC7	AVIP Audio Decoder AUDIO	1
KRAMER	KC-VIRTUAL	Brain control module BRAIN1	1
KRAMER	KT-208WM	Wall mounted control tablet 8"	1
KRAMER	VIA-CONNECT3	Wireless collaboration hardware	1
NETGEAR	GSM4230PX	AV Network Switch (custom configuration)	1

WEIGHT ROOM A/V SYSTEM REQUIREMENTS

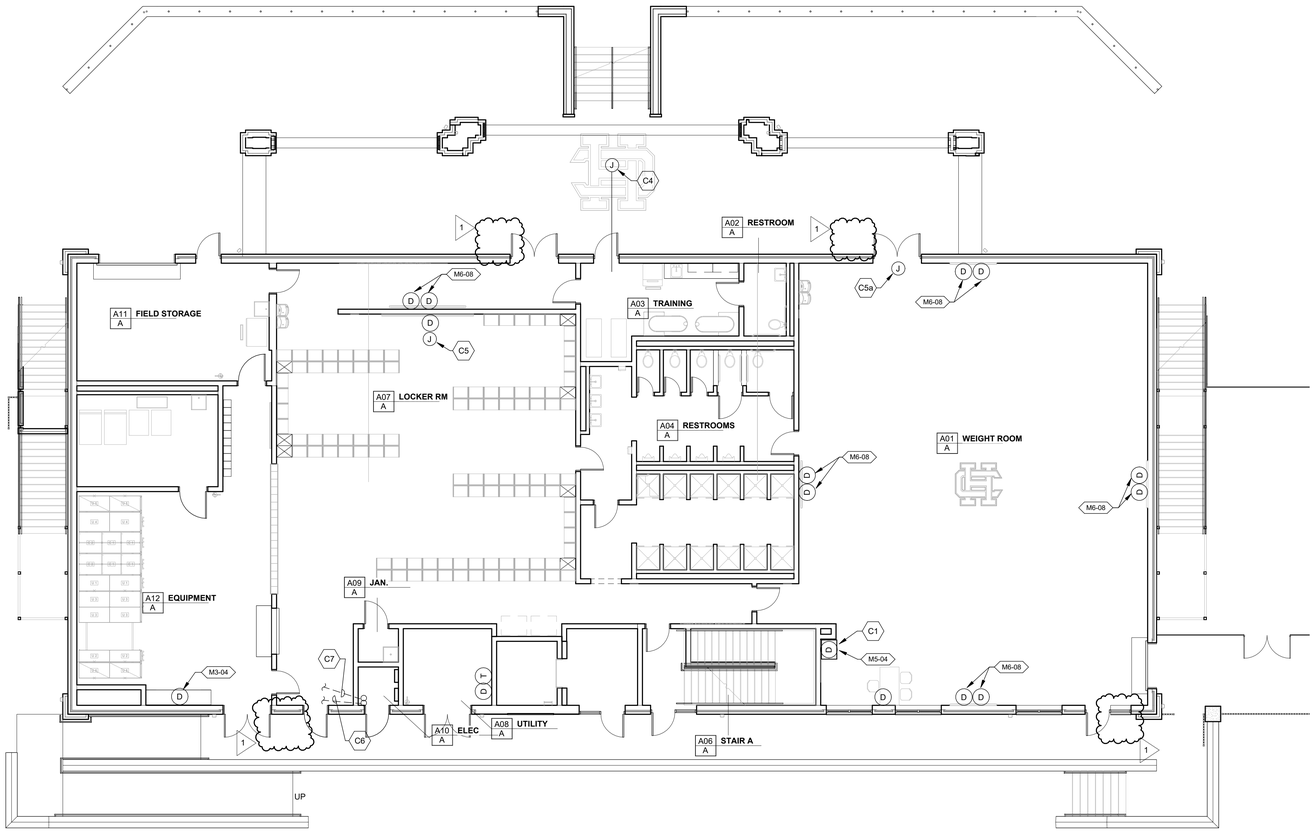
MANUFACTURER	PRODUCT #	EQUIPMENT DETAILS	QT
SONANCE	PS-P83T	8" pendant speaker	16
SONANCE	PS-P83WT	8" pendant speaker subwoofer	4
SONANCE	Installation hardware for all speaker types		1
POWERSOFT	PF00D465	4804 DSP Quattrocanali	1
BEHRINGER	WINGRACK	48-CH DIGITAL MIXER RACK	1
NETGEAR	RAX29-100NAS	NIGHTHAWK AX2400 WIFI 6 ROUTER - RAX29-100NAS - Wireless	1
	Audio Controls	Audio Control tablet for wireless control	1
ALFATRON	ALF-DSP88-U	8x8 Audio Digital Sound Processor	2
AUDIX	AP41OM2	R41 Single-Channel Diversity Receiver with H60 OM2 Handheld Transmitter (B: 554 to 586 MHz)	1
AUDIX	ANTDA4161	Two Active Directional Antennae. 500 MHz - 700 MH	1
	Paddle Mounts	Mounting hardware for paddle antennas	2
RDL	D-BT1A	Wall-Mounted Bluetooth Audio Format-A Interface (White)	1
RDL	TX-TPR1A	Active Single-Pair Format-A Receiver	1
RDL	PS-24AS	Switching Power Supply	1
RDL	TX-J2	Unbalanced Input Transformer	1
RDL	D-CIJ3	Consumer Input Jacks (Mono) (White/Gray)	1
RDL	TX-A2	Mono Balanced to Unbalanced Signal Converter	1
STRONG	SR-WMS-21U	LOCKABLE WALL MOUNTED RACK	1
STRONG	Rack Accessories required		1
MIDDLEATLANTIC	UPS-S2200R	2 RU Select Series UPS Backup Power, 2200VA	1
MIDDLEATLANTIC	RLNK-915R	Select Series PDU with RackLink, 9 Outlet Select PDU with RackLink Series SKU: RLNK-915R	1

A/V SYSTEM NOTES

1. CONTRACTOR / VENDOR SHALL DESIGN AND PROVIDE A COMPLETE AUDIO / VISUAL SYSTEM IN THE ROOMS LISTED.
2. EQUIPMENT LISTED IS SUGGESTED EQUIPMENT FOR BASIS OF DESIGN. CONTRACTOR / VENDOR SHALL VERIFY PRODUCT NUMBERS LISTED AND PROVIDE UPDATED EQUIPMENT IF AVAILABLE. SUBSTITUTIONS ARE ALLOWED PROVIDED FUNCTIONALITY OF SYSTEM IS MAINTAINED. SUBMIT ALL EQUIPMENT FOR REVIEW.
   A. CONTRACTOR / VENDOR SHALL PROVIDE ALL EQUIPMENT NECESSARY FOR A COMPLETE SYSTEM EVEN IF IT IS NOT LISTED.
   B. ALL WIRING / CABLING SHALL BE PROVIDED.
3. CONTRACTOR / VENDOR SHALL SUBMIT FLOOR PLAN LAYOUT OF ALL EQUIPMENT. SUBMITTAL SHALL ALSO INCLUDE WIRING AND INTERCONNECTION DIAGRAMS FOR REVIEW.
4. CONTRACTOR / VENDOR SHALL INCLUDE ALL PROGRAMMING, CALIBRATION, COMMISSIONING, TESTING, AND TRAINING.
5. PROVIDE A TRAINING / USER MANUAL EITHER IN HARD COPY OR DIGITAL COPY.



2 E4.1 LOW VOLTAGE PLAN - UPPER LEVEL
1/8" = 1'-0"



1 E4.1 LOW VOLTAGE PLAN - MAIN LEVEL
1/8" = 1'-0"

PROJECT SPECIAL NOTES

1. NO CONDUIT SHALL BE INSTALLED IN ANY FLOOR SLAB THAT IS NOT ON GRADE. NO EXCEPTIONS. CONDUIT SHALL BE INSTALLED OVERHEAD OR ROUTED THROUGH THE SLAB AND INSTALLED ABOVE THE CEILING OF THE LEVEL BELOW.

ELECTRICAL KEYNOTES

VALUE	NOTE
C1	AV RACK LOCATION. VERIFY MOUNTING HEIGHT AND BOX REQUIREMENTS WITH EQUIPMENT VENDOR / INSTALLER.
C2	PROVIDE 3/4" AT 12'-0"AFF THROUGH EXTERIOR WALL FOR FUTURE SECURITY CAMERA.
C3	PROVIDE 3/4" AT 12'-0"AFF THROUGH EXTERIOR WALL FOR FUTURE SECURITY CAMERA. ROUTE CONDUIT INOT LOCKER ROOM, B17B.
C4	PROVIDE RECESSED OUTLET BOX WITH SINGLE GANG PLASTER RING MOUNTED FLUSH WITH CEILING FOR FUTURE CAMERA. PROVIDE 3/4"C. TO ABOVE FINISHED CEILING IN TRAININ, A03A.
C5	PROVIDE RECESSED OUTLET BOX FOR GAME CLOCK. VERIFY WITH MANUFACTURER / INSTALLER FOR SIZE REQUIRED. MOUNT BOTTOM OF BOX AT 9'-4" AFF. PROVIDE 1"EC TO ABOVE FINISHED CEILING.
C5a	PROVIDE RECESSED OUTLET BOX FOR GAME CLOCK. VERIFY WITH MANUFACTURER / INSTALLER FOR SIZE REQUIRED. MOUNT BOTTOM OF BOX AT 9'-4" AFF. PROVIDE 1"EC TO NEW SCOREBOARD. SEE ELECTRICAL SITE PLAN.
C6	(2) 4"EC WITH PULL CORD FOR FIBER OPTIC / COMMUNICAITON / DATA SERVICE CABLES. SEE SITE ELETRICAL PLAN. STUB UP 6" AFF.
C7	(2) 2"EC WITH PULL CORD FOR FIBER OPTIC / COMMUNICAITON / DATA CABLES FOR TICKET BOOTH. SEE SITE ELETRICAL PLAN. STUB UP 6" AFF.
C8	(2) 1" SLEEVES THROUGH FLOOR FOR LOW VOLTAGE CABLES.

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HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

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1	09/09/2026	ADDENDUM #1

SHEET TITLE
LOW VOLTAGE PLANS

DATE 08/11/2026

PROJECT NUMBER 22248

SHEET NUMBER E4.1

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B

LOCATION: ELEC A10 A
SUPPLY FROM: UTILITY
MOUNTING: SURFACE
ENCLOSURE: TYPE 1
VOLTS: 208Y/120
PHASES: 3
WIRES: 4
FEED-THRU LUGS: Yes
A.I.C. RATING: 22000
BUS RATING: 400 A
MAINS: 400 A MCB

#	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	#
1	LGTS-A11,A12	20 A	1	902	126					1	20 A	LGTS-A09,A10	2
3	RECS-A12AB	20 A	1			720	540			1	20 A	RECS-A08,A10, EXTERIOR	4
5	RECS-A12	20 A	1					1080	1000	1	20 A	FIRE ALARM PANEL	6
7	EF-2	15 A	1	600	1000					1	20 A	FIRE ALARM POWER SUPPLY	8
9	FIRE DAMPERS	20 A	1			180	1000			1	20 A	FIRE ALARM VOICE PANEL	10
11	WASHER A12	20 A	1					1920	100	1	20 A	FIRE ALARM GONG	12
13	WASHER A12	20 A	1	1920	0					1	20 A	SPARE	14
15	RECS-A11	20 A	1			540	100			1	20 A	RP-1 A08	16
17	RECS-FRONT CANOPY	20 A	1					720	1000	1	20 A	WH-1s A08	18
19	ICE MAKER A11	20 A	1	1272	2500					2	35 A	EUH-1 A08	20
21	SPARE	20 A	1			0	2500						22
23	EUH-2 A11	35 A	2					2500	42	1	20 A	LGTS-ELEVATOR PIT	24
25				2500	180					1	20 A	RECS-SUMP PUMP	26
27	LGTS-A07	20 A	1			1256	180			1	20 A	RECS-ELEVATOR PIT	28
29	RECS-A07	20 A	1					540	60	1	20 A	LGTS-A06B	30
31	RECS-A07	20 A	1	900	150					1	20 A	LGTS-STAIRS	32
33	GAME CLOCK A07A	20 A	1			500	540			1	20 A	RECS-A06B, STAIRS	34
35	RECS-EWC A07 *	20 A	1					360	1000	2	20 A	EWH-1 STAIRS	36
37	RECS-A07	20 A	1	360	1000								38
39	RECS-A07	20 A	1			360	922			1	20 A	LGTS-A01	40
41	RECS-A09	20 A	1					180	180	1	20 A	LGTS-A01 LOGO	42
43	RECS-A07 VENDING	20 A	1	750	360					1	20 A	RECS-A01	44
45	RECS-A07 VENDING	20 A	1			750	540			1	20 A	RECS-A01	46
47	LGTS-A03,A04,A05	20 A	1					810	360	1	20 A	RECS-A01	48
49	RECS-A05,A07	20 A	1	360	720					1	20 A	RECS-A01	50
51	RECS-A04	20 A	1			540	360			1	20 A	RECS-EWC A01 *	52
53	HAND DRYER A04	20 A	1					1400	360	1	20 A	RECS-A01A	54
55	HAND DRYER A04	20 A	1	1400	360					1	20 A	RECS-A01	56
57	RECS-A03	20 A	1			360	360			1	20 A	RECS-A01	58
59	RECS-A03	20 A	1					360	360	1	20 A	RECS-A01	60
61	RECS-A02	20 A	1	180	360					1	20 A	RECS-A01	62
63	RECS-A03	20 A	1			180	360			1	20 A	RECS-A01 AV RACK	64
65	RECS-A03	20 A	1					180	540	1	20 A	CONDENSATE PUMPS A01	66
67	ICE MAKER A03	20 A	1	1272	0					1	20 A	SPARE	68
69	SPARE	15 A	1			0	0			1	20 A	SPARE	70
71	HAND DRYER A02	20 A	1					1400	0	1	20 A	SPARE	72

TOTAL CONNECTED LOAD: 40028 VA 31949 VA 36382 VA
TOTAL CONNECTED AMPS: 339 A 266 A 309 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Equipment	21334 VA	100.00%	21334 VA	TOTAL CONNECTED LOAD:	108359 VA
HVAC	33380 VA	100.00%	33380 VA	TOTAL ESTIMATED DEMAND:	97465 VA
Motor	1724 VA	108.70%	1874 VA	TOTAL CONNECTED AMPS:	301 A
Receptacle	37200 VA	63.44%	23600 VA	CALCULATED DEMAND AMPS:	271 A
Power	4500 VA	100.00%	4500 VA		
Lighting	10221 VA	125.00%	12777 VA		

NOTES:
* - PROVIDE GFI CIRCUIT BREAKER.

A

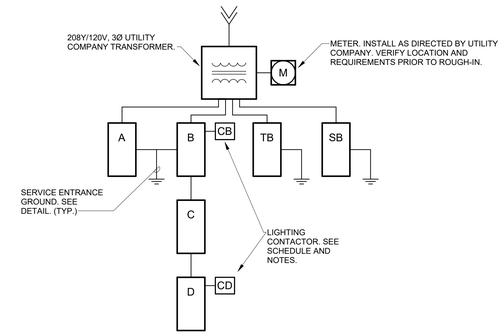
LOCATION: ELEC A10 A
SUPPLY FROM: UTILITY
MOUNTING: SURFACE
ENCLOSURE: TYPE 1
VOLTS: 208Y/120
PHASES: 3
WIRES: 4
FEED-THRU LUGS: No
A.I.C. RATING: 22000
BUS RATING: 600 A
MAINS: 600 A MCB

#	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	#
1													
3	ERU-1	110 A	3	9967	2184					2	40 A	CU-1	2
5						9967	2184						4
7								9967	2486	2	50 A	CU-7	6
9	ERU-2	70 A	3	6725	2486								8
11						6725	2486			2	50 A	CU-4	10
13	FCU-1	15 A	1	600	2486			6725	2486				12
15	FCU-2	15 A	1			600	2486			2	50 A	CU-6	14
17	FCU-3	15 A	1					600	2486				16
19										2	50 A	CU-5	18
21	DRYER A12	20 A	2	676	2486								20
23						676	2184			2	40 A	CU-3	22
25	DRYER A12	20 A	2					676	2184				24
27	LGTS-FRONT CANOPY	20 A	1			440	2184			2	40 A	CU-2	26
29	LGTS-EXTERIOR REAR/SIDES $	20 A	1					481	2486				28
31										2	50 A	CU-9	30
33	LGTS-PARKING LOT	20 A	2	1116	2486								32
35						0	2486			2	50 A	CU-8	34
37	FLAG POLE LGTS	20 A	1					87	2486				36
39	LGTS-GRILL	20 A	1	360	540					1	20 A	RECS-EXTERIOR	38
41	LGTS-ARCH	20 A	1			60	--			1	--	SPACE ONLY	40
43	SPACE ONLY	--	1	--	--			--	--	1	--	SPACE ONLY	42
45	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	44
47	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	46
49	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	48
51	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	50
53	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	52
55	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	54
57	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	56
59	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	58
61				110...	--								60
63	ELEVATOR	150 A	3			11040	--			3	--	(SUB-FEED CIRCUIT BREAKER)	62
65								11040	--				64
													66

TOTAL CONNECTED LOAD: 46209 VA 43517 VA 44188 VA
TOTAL CONNECTED AMPS: 386 A 363 A 369 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Elevator	33120 VA	100.00%	33120 VA	TOTAL CONNECTED LOAD:	133914 VA
Equipment	2704 VA	100.00%	2704 VA	TOTAL ESTIMATED DEMAND:	134600 VA
HVAC	94808 VA	100.00%	94808 VA	TOTAL CONNECTED AMPS:	372 A
Receptacle	540 VA	100.00%	540 VA	CALCULATED DEMAND AMPS:	374 A
Lighting	2742 VA	125.00%	3428 VA		

NOTES:
1. PROVIDE SUB-FEED CIRCUT BREAK WITH SHUNT TRIP FOR ELEVATOR.



1 E5.1 ONE-LINE DIAGRAM
NOT TO SCALE

ONE-LINE DIAGRAM NOTES

1. PROVIDE PLAQUE PANELBOARDS AS FOLLOWS:
   A. ON A - "SERVICE 1 OF 2".
   B. ON B - "SERVICE 2 OF 2".
2. PROVIDE INDIVIDUAL NEUTRALS, HANDLE-TIES OR MULTIPLE-POLE BREAKERS FOR ALL MULTI-WIRE BRANCH CIRCUITS.
3. PROVIDE HANDLE LOCK-ON DEVICES ON BRANCH CIRCUITS FOR:
   A. EMERGENCY LIGHTING FIXTURES
   B. FIRE ALARM EQUIPMENT

D

LOCATION: ELEC. B10 B
SUPPLY FROM: C
MOUNTING: SURFACE
ENCLOSURE: TYPE 1
VOLTS: 208Y/120
PHASES: 3
WIRES: 4
FEED-THRU LUGS: No
A.I.C. RATING: 10000
BUS RATING: 400 A
MAINS: 400 A MLO

#	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	#
1	LGTS-B08	20 A	1	990	1251					1	20 A	LGTS-B12B,B13,B14,B15,B16,B17	2
3	LGTS-B08 STEP %	20 A	1			144	360			1	20 A	RECS-EWC B17 *	4
5	RECS-B08	20 A	1					540	540	1	20 A	RECS-B16,B17	6
7	RECS-B08	20 A	1	720	1400					1	20 A	HAND DRYER - B16	8
9	RECS-B08	20 A	1			540	180			1	20 A	REC B15B PRINTER	10
11	PROJECTOR B08	20 A	1					360	540	1	20 A	RECS-B15	12
13	SCREEN B08	20 A	1	500	360					1	20 A	RECS-B15	14
15	RECS-B08C	20 A	1			540	360			1	20 A	RECS-B15	16
17	RECS-B08C	20 A	1					360	720	1	20 A	RECS-B15	18
19	RECS-B08C AV RACK	20 A	1	360	540					1	20 A	RECS-B15	20
21	RECS-B08C AV RACK	20 A	1			360	900			1	20 A	RECS-B15	22
23	FCU-8 B08	15 A	1					600	720	1	20 A	RECS-B15	24
25	FCU-7 B08	15 A	1	600	500					1	20 A	GAME CLOCK B15B	26
27	CONDENSATE PUMPS	20 A	1			360	180			1	20 A	RECS-B15 FLOOR BOX	28
29	SPARE	20 A	1					0	600	1	15 A	FCU-9 B15	30
31	SPARE	20 A	1	0	360					1	20 A	CONDENSATE PUMPS	32
33	SPARE	20 A	1			0	540			1	20 A	RECS-B14	34
35	SPARE	20 A	1					0	540	1	20 A	RECS-B14	36
37	SPARE	20 A	1	0	180					1	20 A	RECS-B13B	38
39	SPARE	20 A	1			0	460			1	20 A	LGTS-BALCONY	40
41	SPARE	20 A	1					0	600	1	20 A	CEILING FANS BALCONY	42
43	SPARE	20 A	1	0	540					1	20 A	RECS-EXTERIOR BALCONY	44
45	SPARE	20 A	1			0	400			1	20 A	CEILING FANS BALCONY	46
47	SPARE	20 A	1					0	400	1	20 A	IH-1,2 BALCONY	48
49	SPACE ONLY	--	1	--	0					1	20 A	SPARE	50
51	SPACE ONLY	--	1			--	0			1	20 A	SPARE	52
53	SPACE ONLY	--	1					--	0	1	20 A	SPARE	54
55	SPACE ONLY	--	1	--	0					1	20 A	SPARE	56
57	SPACE ONLY	--	1			--	0			1	20 A	SPARE	58
59	SPACE ONLY	--	1					--	0	1	20 A	SPARE	60
61	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	62
63	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	64
65	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	66
67	RECS-ROOF	20 A	1	180	--					1	--	SPACE ONLY	68
69	DOU-1	15 A	2			1040	--			1	--	SPACE ONLY	70
71								1040	--	1	--	SPACE ONLY	72

TOTAL CONNECTED LOAD: 8481 VA 6364 VA 7560 VA
TOTAL CONNECTED AMPS: 72 A 53 A 65 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Equipment	2400 VA	100.00%	2400 VA	TOTAL CONNECTED LOAD:	22405 VA
HVAC	4280 VA	100.00%	4280 VA	TOTAL ESTIMATED DEMAND:	22220 VA
Motor	1024 VA	104.88%	1074 VA	TOTAL CONNECTED AMPS:	62 A
Receptacle	11880 VA	92.09%	10940 VA	CALCULATED DEMAND AMPS:	62 A
Lighting	2821 VA	125.00%	3526 VA		

NOTES:
* - PROVIDE GFI CIRCUIT BREAKER.
% - ROUTE THROUGH EMERGENCY BATTERY. SEE LIGHTING PLAN NOTES.

C

LOCATION: ELEC. B10 B
SUPPLY FROM: B
MOUNTING: SURFACE
ENCLOSURE: TYPE 1
VOLTS: 208Y/120
PHASES: 3
WIRES: 4
FEED-THRU LUGS: Yes
A.I.C. RATING: 10000
BUS RATING: 400 A
MAINS: 400 A MLO

#	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	#
1	LGTS-B10,B18	20 A	1	80	949					1	20 A	LGTS-B01	2
3	RECS-B10	20 A	1			360	1200			1	20 A	DISPLAY CASE LIGHTS B01	4
5	FIRE ALARM POWER SUPPLY	20 A	1					1000	540	1	20 A	RECS-B01	6
7	ELEVATOR CONTROLS	20 A	1	1500	540					1	20 A	RECS-B01	8
9	ELEVATOR COMMUNICATIONS	20 A	1			1500	540			1	20 A	RECS-B01	10
11	ELEVATOR COMMUNICATIONS	20 A	1					1500	540	1	20 A	RECS-B01	12
13	LGTS-ATTIC / ROOF	20 A	1	126	360					1	20 A	RECS-B01	14
15	LGTS-B09, B08C, B11C	20 A	1			540	360			1	20 A	RECS-B01	16
17	RECS-B11	20 A	1					360	360	1	20 A	RECS-B01 PROJECTOR	18
19	RECS-B09	20 A	1	1080	500					1	20 A	SCREEN B01	20
21	RECS-EWC B09 *	20 A	1			750	500			1	20 A	GAME CLOCK B01B	22
23	EWH-2 STAIRS	20 A	2					1000	600	1	15 A	FCU-4 B01	24
25				1000	600					1	15 A	FCU-5 B01	26
27	LGTS-B03B,B04B,B05B,B06B	20 A	1			237	600			1	15 A	FCU-6 B01	28
29	RECS-B06	20 A	1					180	540	1	20 A	CONDENSATE PUMPS	30
31	RECS-B06	20 A	1	180	0					1	20 A	SPARE	32
33	RECS-B06	20 A	1			180	0			1	20 A	SPARE	34
35	RECS-B06	20 A	1					180	0	1	20 A	SPARE	36
37	RECS-B06	20 A	1	180	0					1	20 A	SPARE	38
39	RECS-B06	20 A	1			180	0			1	20 A	SPARE	40
41	RECS-B06	20 A	1					180	0	1	20 A	SPARE	42
43	RECS-B06	20 A	1	180	--					1	--	SPACE ONLY	44
45	RECS-B06	20 A	1			750	--			1	--	SPACE ONLY	46
47	RECS-B06	20 A	1					750	--	1	--	SPACE ONLY	48
49	ICE MACHINE B06B *	15 A	1	1000	--					1	--	SPACE ONLY	50
51	DISH MACHINE B06B	20 A	1			1000	--			1	--	SPACE ONLY	52
53	RECS-B02,B03,B04,B05	20 A	1					540	--	1	--	SPACE ONLY	54
55	WH-3 B04	30 A	2	2050	--					1	--	SPACE ONLY	56
57						2050	--			1	--	SPACE ONLY	58
59	WH-4 B05	30 A	2					2050	--	1	--	SPACE ONLY	60
61				2050	--					1	--	SPACE ONLY	62
63	WH-2 B03	30 A	2			2050	--			1	--	SPACE ONLY	64
65								2050	--	1	--	SPACE ONLY	66
67	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	68
69	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	70
71	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	72

TOTAL CONNECTED LOAD: 20856 VA 19161 VA 19930 VA
TOTAL CONNECTED AMPS: 175 A 160 A 167 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Equipment	7150 VA	100.00%	7150 VA	TOTAL CONNECTED LOAD:	59947 VA
HVAC	20380 VA	100.00%	20380 VA	TOTAL ESTIMATED DEMAND:	56016 VA
Motor	1024 VA	104.88%	1074 VA	TOTAL CONNECTED AMPS:	166 A
Receptacle	20940 VA	73.88%	15470 VA	CALCULATED DEMAND AMPS:	155 A
Power	4500 VA	100.00%	4500 VA		
Lighting	5953 VA	125.00%	7442 VA		

NOTES:

FEEDER SCHEDULE

FROM	TO	VOLTAGE	AMPACITY	CALLOUT
B	C	208Y/120 V / 3Ø / 4W	400 A	4#500, #3G, 3-1/2"C
C	D	208Y/120 V / 3Ø / 4W	400 A	4#500, #3G, 3-1/2"C
UTILITY	A	208Y/120 V / 3Ø / 4W	600 A	(2)4#300, 3"C
UTILITY	B	208Y/120 V / 3Ø / 4W	400 A	4#500, 3-1/2"C
UTILITY	SB	208Y/120 V / 3Ø / 4W	400 A	4#500, 3-1/2"C
UTILITY	TB	120/208 V / 1Ø / 3W	60 A	3#6, 1"C

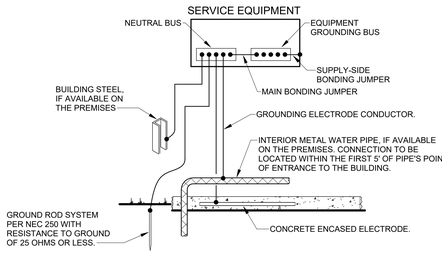
PANELBOARD HX
480Y/277V, 3Ø, 4W
FED FROM: MDF

NOTE:
1. REVISE EQUIPMENT NAME, VOLTAGE, PHASES, # OF WIRES AS NECESSARY FOR ACTUAL CONDITIONS.

3 E5.1 PANELBOARD LABEL
NOT TO SCALE

SERVICE GROUND SCHEDULE

PANEL	AMPACITY	GROUNDING ELECTRODE CONDUCTOR	NOTES
A	600A	#2/0, 2"C.	
B	400A	#1/0, 2"C.	
SB	400A	#1/0, 1"C.	
TB	60A	#8, 1"C.	



NOTE:
1. REFER TO NEC SECTION 250.66 FOR SIZE OF GROUNDING ELECTRODE CONDUCTOR AND BONDING JUMPERS.
2. REFER TO NEC SECTION 250.52 AND 250.53 FOR REQUIREMENTS FOR GROUNDING ELECTRODES.

2 E5.1 SERVICE GROUNDING DETAIL
NOT TO SCALE

SB

LOCATION:
SUPPLY FROM: UTILITY
MOUNTING: SURFACE
ENCLOSURE: TYPE 3R
VOLTS: 208Y/120
PHASES: 3
WIRES: 4
FEED-THRU LUGS: Yes
A.I.C. RATING: 10000
BUS RATING: 400 A
MAINS: 400 A MCB

#	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	#
1	REC-FIELD	20 A	1	360	500					1	20 A	PLAY CLOCK	2
3	REC-FIELD	20 A	1			360	500			1	20 A	PLAY CLOCK	4
5	REC-FIELD	20 A	1					360	--	1	--	SPACE ONLY	6
7	REC-FIELD	20 A	1	360	--					1	--	SPACE ONLY	8
9	REC-FIELD	20 A	1			360	--			1	--	SPACE ONLY	10
11	REC-FIELD	20 A	1					360	--	1	--	SPACE ONLY	12
13	REC-FIELD	20 A	1	360	--					1	--	SPACE ONLY	14
15	REC-FIELD	20 A	1			360	--			1	--	SPACE ONLY	16
17	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	18
19	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	20
21	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	22
23	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	24
25	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	26
27	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	28
29	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	30

TOTAL CONNECTED LOAD: 1580 VA 1580 VA 720 VA
TOTAL CONNECTED AMPS: 14 A 14 A 6 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Equipment	1000 VA	100.00%	1000 VA	TOTAL CONNECTED LOAD:	3880 VA
Receptacle	2880 VA	100.00%	2880 VA	TOTAL ESTIMATED DEMAND:	3880 VA
				TOTAL CONNECTED AMPS:	11 A
				CALCULATED DEMAND AMPS:	11 A

NOTES:
1. PROVIDE 200A/3P SUB-FEED CIRCUIT BREAKER.

TB

LOCATION: TICKET BOOTH T01 A
SUPPLY FROM: UTILITY
MOUNTING: Surface
ENCLOSURE: Type 1
VOLTS: 120/208
PHASES: 1
WIRES: 3
FEED-THRU LUGS: No
A.I.C. RATING: 10000
BUS RATING: 125 A
MAINS: 60 A MCB

#	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	#
1	LGTS	20 A	1	30	360			1	20 A	RECS	2
3	LGTS-EXTERIOR	20 A	1			30	360	1	20 A	RECS	4
5	SPARE	20 A	1	0	180			1	20 A	RECS-EXTERIOR	6
7	SPARE	20 A	1			0	--	1	--	SPACE ONLY	8
9	SPARE	20 A	1	0	--			1	--	SPACE ONLY	10
11	SPACE ONLY	--	1			--	--	1	--	SPACE ONLY	12
13	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	14
15	SPACE ONLY	--	1			--	--	1	--	SPACE ONLY	16
17	PTAC-1	20 A	2	1570	--			1	--	SPACE ONLY	18
19						1570	--	1	--	SPACE ONLY	20

TOTAL CONNECTED LOAD: 2140 VA 1960 VA
TOTAL CONNECTED AMPS: 20 A 19 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	3141 VA	100.00%	3141 VA	TOTAL CONNECTED LOAD:	4101 VA
Receptacle	900 VA	100.00%	900 VA	TOTAL ESTIMATED DEMAND:	4116 VA
Lighting	60 VA	125.00%	75 VA	TOTAL CONNECTED AMPS:	20 A
				CALCULATED DEMAND AMPS:	20 A

NOTES:

CONTACTOR SCHEDULE

CONTACTOR	DESCRIPTION	CONTACTOR VOLTAGE	CONTACTOR AMPERAGE	CIRCUITS CONTROLLED	NOTES
CB	EXTERIOR LIGHTING	120	30	A-27,29,31,33,35,37,39	1
CD	EXTERIOR LIGHTING	120	30	D-40	1

CONTACTOR NOTES SCHEDULE

1. NUMBER OF POLES AS NECESSARY PLUS (2) SPARE POLES. CONTACTOR SHALL BE CONTROLLED BY TIME SWITCH..

ROBERTSON LOIA ROOF ARCHITECTS & ENGINEERS
3460 Preston Ridge Road. Suite 275 - Alpharetta, GA. 30005
770.674.2600 / www.rlrpc.com
GA COA # PEF000562 EXPIRES: 06/30/2024

09/09/2026

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS #	DATE	DESCRIPTION
1	09/09/2026	ADDENDUM #1

SHEET TITLE
ONE-LINE DIAGRAM, DETAILS, AND SCHEDULES

DATE 08/11/2026
PROJECT NUMBER 22248
SHEET NUMBER E5.1

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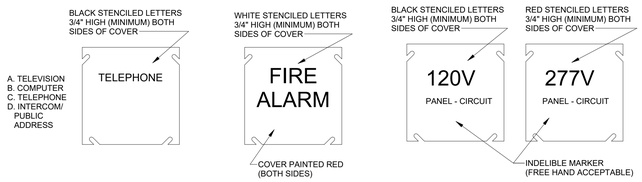
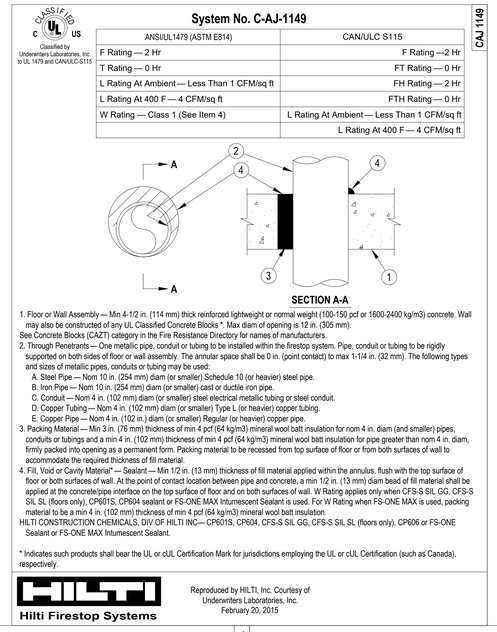


5 E6.1 JUNCTION BOX MARKING REQUIREMENTS
NOT TO SCALE



CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

System No. C-AJ-1149

CAJ 1149

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating —2 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Rating — 2 Hr
L Rating At 400 F — 4 CFM/sq ft	FTH Rating — 0 Hr
W Rating — Class 1 (See Item 4)	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — 4 CFM/sq ft

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks *. Max diam of opening is 12 in. (305 mm).
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants — One metallic pipe, conduit or tubing to be installed within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The annular space shall be 0 in. (point contact) to max 1-1/4 in. (32 mm). The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe — Nom 10 in. (254 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 10 in. (254 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or steel conduit.
   D. Copper Tubing — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 4 in. (102 in.) diam (or smaller) Regular (or heavier) copper pipe.
3. Packing Material — Min 3 in. (76 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation for nom 4 in. diam (and smaller) pipes, conduits or tubings and a min 6 in. (102 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation for pipe greater than nom 4 in. diam, firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall to accommodate the required thickness of fill material.
4. Fill, Void or Cavity Material* — Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with the top surface of floor or both surfaces of wall. At the point of contact location between pipe and concrete, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the concrete/pipe interface on the top surface of floor and on both surfaces of wall. W Rating applies only when CFS-S SIL GG, CFS-S SIL SL (floors only), CP601S, CP604 sealant or FS-ONE MAX Intumescent Sealant is used. For W Rating when FS-ONE MAX is used, packing material to be a min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC— CP601S, CP604, CFS-S SIL GG, CFS-S SIL SL (floors only), CP606 or FS-ONE Sealant or FS-ONE MAX Intumescent Sealant.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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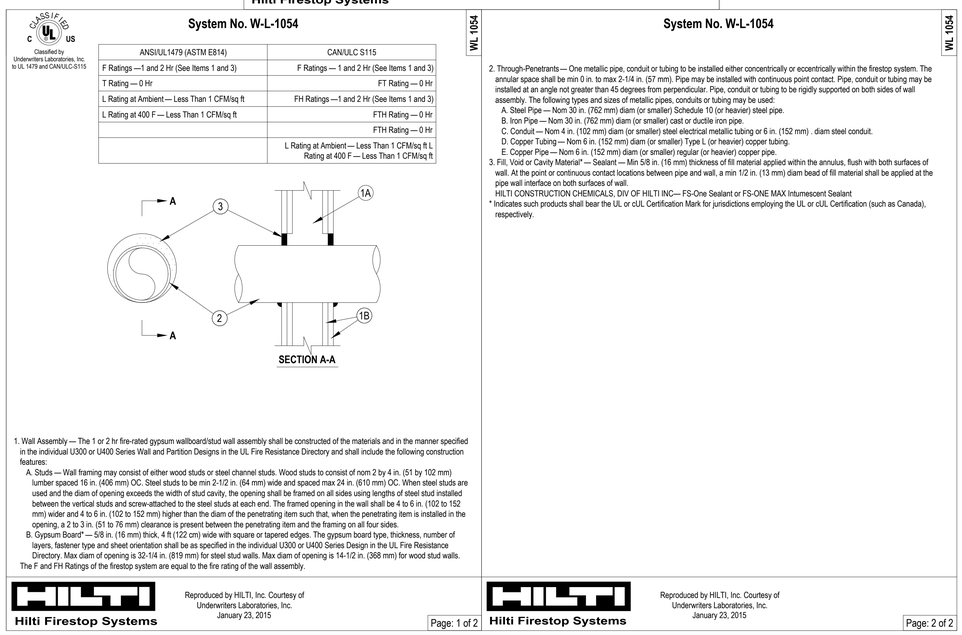

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

System No. W-L-1054

WL 1054

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings —1 and 2 Hr (See Items 1 and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings —1 and 2 Hr (See Items 1 and 3)
L Rating at 400 F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr
	FTH Rating — 0 Hr
	L Rating at Ambient — Less Than 1 CFM/sq ft L Rating at 400 F — Less Than 1 CFM/sq ft

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. (819 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls.
The F and FH Ratings of the firestop system are equal to the fire rating of the wall assembly.

Hilti Firestop Systems

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Page: 1 of 2

System No. W-L-1054

WL 1054

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. (57 mm). Pipe may be installed with continuous point contact. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) . diam steel conduit.
   D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC— FS-One Sealant or FS-ONE MAX Intumescent Sealant
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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Page: 2 of 2

1 E6.1 FIRE STOPPING DETAILS
NOT TO SCALE

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL.
ANNC	FIRE ALARM REMOTE ANNUNCIATOR PANEL.
VP	FIRE ALARM VOICE PANEL.
PS	FIRE ALARM POWER SUPPLY.
F	FIRE ALARM MANUAL PULL STATION
F	FIRE ALARM PULL STATION WITH COVER.
W	FIRE ALARM WATER FLOW SWITCH / RELAY.
T	FIRE ALARM TAMPER SWITCH / RELAY.
S	FIRE ALARM SMOKE DETECTOR. CEILING MOUNTED.
DS	FIRE ALARM DUCT SMOKE DETECTOR.
DT	FIRE ALARM DUCT SMOKE DETECTOR REMOTE TEST STATION.
H	FIRE ALARM HEAT DETECTOR. CEILING MOUNTED.
CO	FIRE ALARM CARBON MONOXIDE DETECTOR. CEILING MOUNTED.
F	FIRE ALARM STROBE ONLY. SYNCHRONIZED.
S	FIRE ALARM SPEAKER / STROBE. SYNCHRONIZED.
F	FIRE ALARM HORN, WEATHERPROOF.
R	RELAY FOR FIRE ALARM SYSTEM / CONTROL MODULE AS REQUIRED.
AR	AREA OF REFUGE PANEL OR CALL BUTTON.
AR	AREA OF RESCUE STATION. SEE SPECIFICATIONS.
D	COMPUTER OUTLET (FUTURE). PROVIDE TWO-GANG BY 2 1/8" DEEP BOX WITH SINGLE-GANG PLASTER RING MOUNTED WITH BOTTOM OF BOX AT 1'-4" AFF UNLESS NOTED OTHERWISE. PROVIDE (1) 1" CONDUIT TO ABOVE FINISHED CEILING. SEE SPECIFICATIONS FOR DATA CONNECTIVITY.
T	OUTLET FOR TELEPHONE FOR ELEVATOR COMMUNICATIONS. COORDIANTE WITH OWNER FOR TELEPHONE SERVICE.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING FIXTURE. REFER TO LIGHTING FIXTURE SCHEDULE. MOUNT AS SCHEDULED OR INDICATED. SHADED SYMBOL INDICATES LIGHTING FIXTURE IS CONNECTED TO EMERGENCY GENERATOR OR BATTERY SYSTEM.
	LIGHTING FIXTURE WITH EMERGENCY BATTERY. REFER TO LIGHTING FIXTURE SCHEDULE. MOUNT AS SCHEDULED OR INDICATED.
	LIGHTING FIXTURE. REFER TO LIGHTING FIXTURE SCHEDULE. MOUNT AS SCHEDULED OR INDICATED. SHADED SYMBOL INDICATES LIGHTING FIXTURE IS CONNECTED TO EMERGENCY GENERATOR OR BATTERY SYSTEM.
	LIGHTING FIXTURE, WALL MOUNTED. SEE LIGHTING FIXTURE SCHEDULE. SHADED SYMBOL INDICATES LIGHTING FIXTURE IS CONNECTED TO EMERGENCY GENERATOR OR BATTERY SYSTEM.
	EXIT SIGN, WALL OR CEILING MOUNTED AS INDICATED, WITH BATTERY BACKUP AND ON CIRCUIT BREAKER WITH LOCK-ON DEVICE. NUMBER OF FACES AND CHEVRONS AS INDICATED.
$	SWITCH, SINGLE POLE. MOUNT BOTTOM OF BOX AT 3'-8" AFF.
$3	SWITCH, THREE-WAY. MOUNT BOTTOM OF BOX AT 3'-8" AFF.
$4	SWITCH, FOUR-WAY. MOUNT BOTTOM OF BOX AT 3'-8" AFF.
$D	SWITCH, DIMMER. MATCH DIMMER TO LED DRIVER. MOUNT BOTTOM OF BOX AT 3'-8" AFF.
$3D	SWITCH, THREE-WAY DIMMER. MATCH DIMMER TO LED DRIVER. MOUNT BOTTOM OF BOX AT 3'-8" AFF.
$OC	SWITCH, OCCUPANCY SENSOR. MOUNT BOTTOM OF BOX AT 3'-8" AFF.
OS	OCCUPANCY SENSOR. DUAL TECHNOLOGY (PIR / ULTRASONIC), LOW-VOLTAGE WITH POWER PACK AND RELAY. SENSORSWITCH #CM-PDT-10-R / PP20 OR APPROVED EQUAL.
	RECEPTACLE, DUPLEX. MOUNT BOTTOM OF BOX AT 1'-4" AFF OR AS NOTED.
	RECEPTACLE, DUPLEX. MOUNT RECESSED IN FLOOR. SEE DRAWINGS FOR ADDITIONAL REQUIREMENTS.
	RECEPTACLE, DOUBLE DUPLEX. MOUNT BOTTOM OF BOX AT 1'-4" AFF OR AS NOTED.
	RECEPTACLE, DOUBLE DUPLEX. MOUNT BOTTOM OF BOX AT 6'-8" AFF.
	RECEPTACLE, DUPLEX, GFI. MOUNT BOTTOM OF BOX AT 1'-4" AFF OR AS NOTED.
WP	RECEPTACLE, DUPLEX, GFI, WITH WEATHERPROOF IN-USE COVER. MOUNT BOTTOM OF BOX AT 1'-4" AFF / AFG, OR AS NOTED.
J	JUNCTION BOX OR OUTLET BOX WITH COVER PLATE. SEE DRAWINGS FOR REQUIREMENTS.
	DISCONNECT. FRAME SIZE / POLES / FUSE RATING / NEMA RATING. SEE DRAWINGS FOR EXACT SIZES.
	MOTOR OR FAN. SEE DRAWINGS FOR SIZE, REQUIREMENTS, ETC.
HD	HAND DRYER. EXCEL #XL-BW-1.1N-120 WITH 89S WALL GUARD AND NOISE REDUCTION OPTION. 1.4KW, 120V, 1Ø. SUBSTITUTIONS NOT ALLOWED WITHOUT OWNER APPROVAL. MOUNT PER MANUFACTURER'S INSTRUCTIONS.

ELECTRICAL CONDUIT / WIRE LEGEND

SYMBOL	LEGEND INFORMATION
	CONDUIT (WITH CONDUCTORS) CONCEALED IN WALL, ABOVE CEILING OR EXPOSED IN JOIST AREA IF THERE IS NO CEILING.
	CONDUIT (WITH CONDUCTORS) REQUIRED TO BE BELOW SLAB.

NOTES:

1. DEFAULT BRANCH CIRUIT IS 2#12,#12G,3/4"C.
2. SIZE CONDUIT PER NEC.
3. NUMBER OR CALLOUT BESIDE WIRE INDICATES LARGER CONDUCTOR AND / OR CONDUIT SIZE FOR VOLTAGE DROP OR LOAD REQUIREMENTS.
4. EQUIPMENT GROUND REQUIRED IN PVC CONDUIT.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING NUMBER OF CONDUCTORS IN BRANCH CIRCUIT, SWITCH LEGS, ETC. AS NECESSARY.

ELECTRICAL ANNOTATION SYMBOLS

#	PLAN KEY NOTE. SEE ELECTICAL KEY NOTE SCHEDULES.
Mxx-yy	MOUNTING HEIGHT KEYED NOTE. MOUNT BOTTOM OF BOX ABOVE FINISHED FLOOR AT HEIGHT INDICATED, WHERE: xx INDICATES FEET, AND yy INDICATED INCHES. EXAMPLE: M5-04 INDICATES BOTTOM OF BOX SHALL BE 5'-4" AFF.

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
EC	EMPTY CONDUIT. PROVIDE PULL CORD.
EWC	ELECTRIC WATER COOLER
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NL	NIGHT LIGHT. PROVIDE LOCK-ON DEVICE ON CIRCUIT BREAKER.
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR. SEE SPECIFICATIONS.
TYP	TYPICAL
WG	WIRE GUARD
WP	WEATHERPROOF DEVICE OR COVER (NEMA 3R)

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GA COA # PEF000562 EXPIRES: 06/30/2024

09/09/2026

HART COUNTY
HIGH SCHOOL FIELD HOUSE
HARTWELL, GEORGIA
FOR:
HART COUNTY SCHOOLS
OVERALL SQUARE FOOTAGE: 17,040 SF

REVISIONS

#	DATE	DESCRIPTION
1	08/09/2026	ADDENDUM #1

SHEET TITLE
ELECTRICAL LEGEND, AND DETAILS

DATE 08/11/2026

PROJECT NUMBER 22248

SHEET NUMBER E6.1

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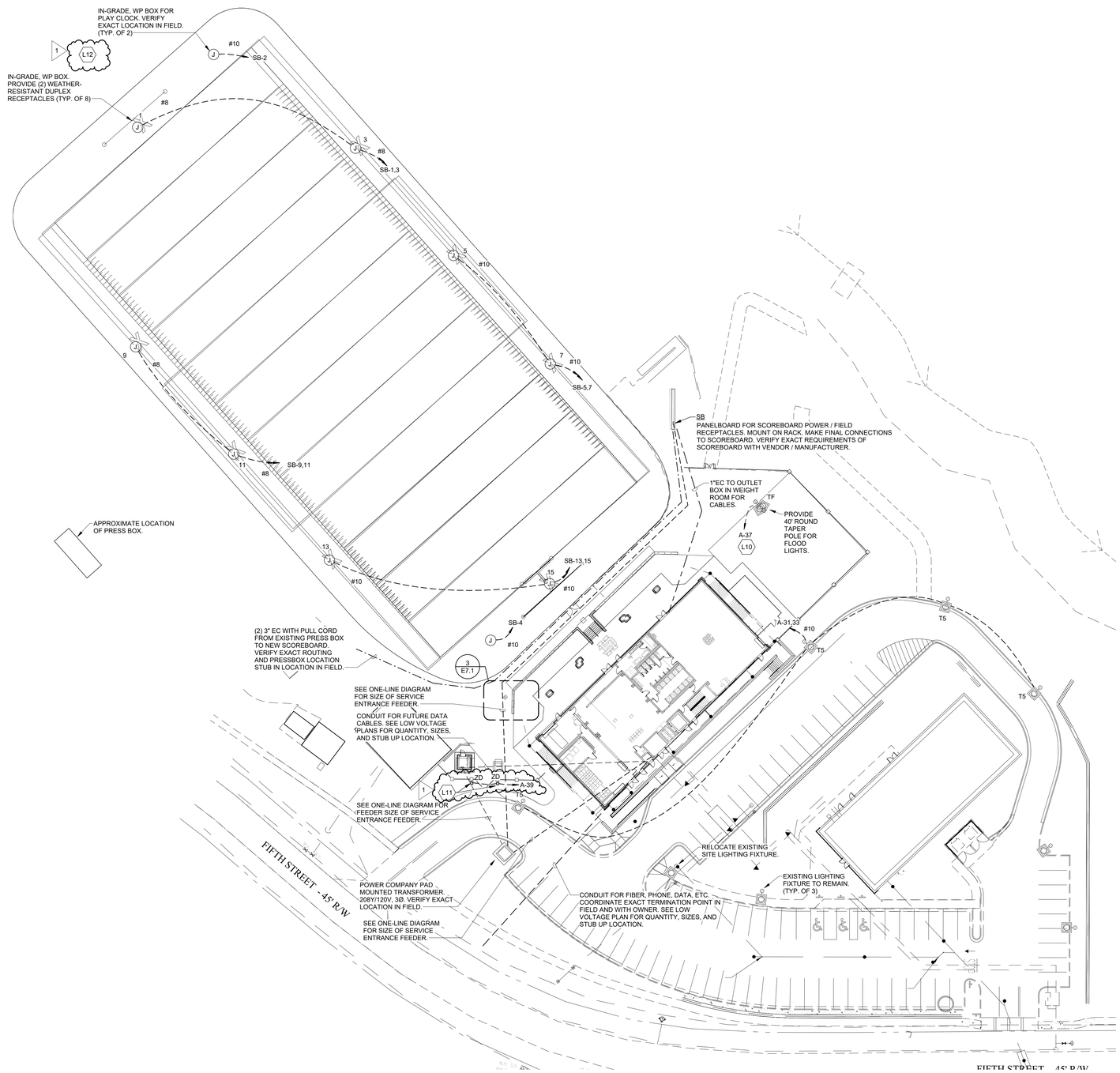


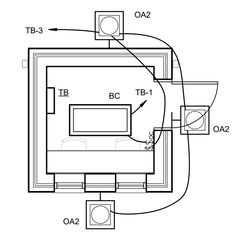
1 E7.1 ELECTRICAL SITE PLAN
1" = 30'-0"

SITE ELECTRICAL NOTES

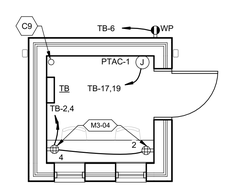
1. REFER TO CIVIL PLANS FOR NAMES / ADDRESSES OF OWNER AND UTILITIES. REFER TO CIVIL PLANS FOR TYPES OF PAVING.
2. PROVIDE FUSE HOLDER IN HANDHOLE OF POLE. SECURE HANDHOLE COVER. FUSE HOLDER SHALL BE BUSSMAN "TRON" No. HEB-JK WITH WEATHERPROOF BOOT AND 20 AMP "KTK" FUSE FOR EACH UNGROUNDED CONDUCTOR. SECURELY TAPE OVER COMPLETE HOLDER TO INSULATE FROM METAL PARTS.
3. PROVIDE #12 AWG INSULATED WIRING FROM FUSE HOLDER TO FIXTURE. PROVIDE #12 GROUND FROM POLE BASE GROUND LUG TO FIXTURE HOUSING AND GROUND METAL PARTS.
4. PROVIDE PERMANENT WEATHERPROOF LABELS FOR ALL ELECTRICAL EQUIPMENT. SEE SPECIFICATIONS.
5. TRENCHING AND/OR DUCT WORK SHALL NOT EXTEND BEYOND PROPERTY LINES EXCEPT FOR UTILITY CONNECTIONS.
6. TRANSFORMER PADS SHALL BE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS AND SHALL BE LOCATED TO MEET UTILITY COMPANY CLEARANCES.
7. BALANCE LIGHTING LOADS ON CIRCUITS ACCORDING TO QUANTITIES AND FEEDER DISTANCES. ALTERNATE ON PHASES THROUGHOUT THE RUN FOR EACH BRANCH CIRCUIT.
8. ALL WIRE AND CABLE SHALL BE COPPER. UNDERGROUND CONDUIT SHALL BE SCH. 40 PVC AT 2'-6" BELOW GRADE WITH EQUIPMENT GROUND CONDUCTOR EXCEPT AS OTHERWISE NOTED. OVERSIZE WIRING, WHERE INDICATED, IS UTILIZED FOR VOLTAGE DROP PURPOSES.
9. REFER TO BUILDING ELECTRICAL PLANS FOR SOURCE PANELS, CIRCUITS, AND CONTROLS RELATING TO SITE LIGHTING AND PYLON SIGNS.
10. COORDINATE THE WORK SHOWN ON THIS PLAN WITH UTILITIES AND OTHER TRADES TO AVOID INTERFERENCE AND TO ASSURE A SUITABLE INSTALLATION. ADDITIONAL COST TO THE OWNER WILL NOT BE ALLOWED FOR FAILURE TO COORDINATE.
11. ALL OPEN CONDUIT ENDS SHALL BE SEALED UNTIL USED. PROVIDE PULL CORD IN EMPTY CONDUIT.
12. REFER TO ELECTRICAL BUILDING PLANS FOR STUB UP LOCATIONS OF CONDUITS FOR LOW VOLTAGE SYSTEMS.

ELECTRICAL KEYNOTES

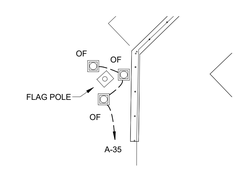
VALUE	NOTE
C9	STUB UP LOCATION FOR DATA CONDUITS / CABLES. SEE LOW VOTLAGE PLAN AND ELECTRICAL SITE PLAN.
~~L10~~	~~ROUTE TROUGH SWITCH AND CONTACTOR IN ELECTRICAL ROOM.~~
L11	MOUNT ON ARCH. SEE ARCHITECTURAL DRAWINGS / ELEVATIONS FOR MOUNTING LOCATION.
L12	PROVIDE (2) TYPE 'ZD' LIGHTING FIXTURES ON EXISTING ARCH. VERIFY EXACT LOATION IN FIELD.



2a E7.1 LIGHTING PLAN - TICKET BOOTH
1/4" = 1'-0"



2b E7.1 POWER PLAN - TICKET BOOTH
1/4" = 1'-0"



3 E7.1 FLAG POLE LIGHTING
1" = 10'-0"

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