# WHEELER COUNTY MAINTENANCE BUILDING ADDITION for WHEELER COUNTY SCHOOL SYSTEM

ARCHITECTURA

ALTMAN + BARRETT ARCHITECTS P.C.

117 WEST MAIN STREET

HAHIRA, GEORGIA 31632
(229) 585-9018

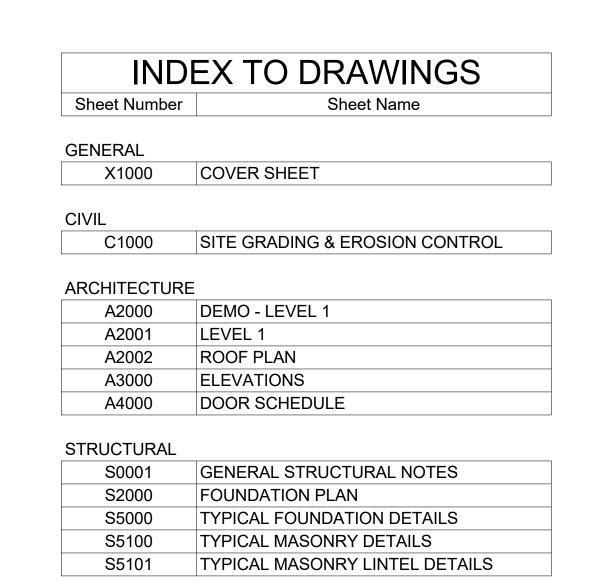
# CIVIL/LANDSCAPING

M.E. SACK ENGINEERING
309 NORTH MAIN STREET
HINESVILLE, GEORGIA 31310
(912) 368-5212

# STRUCTURAL

LINDSEY & RITTER, INC.
401 EAST JANE STREET
VALDOSTA, GEORGIA 31601
(229) 242-9897









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DRAWN: LJ/SB

CHECKED: W. ALTMAN

REVISIONS:

www.altmanbarrettarchitects.com

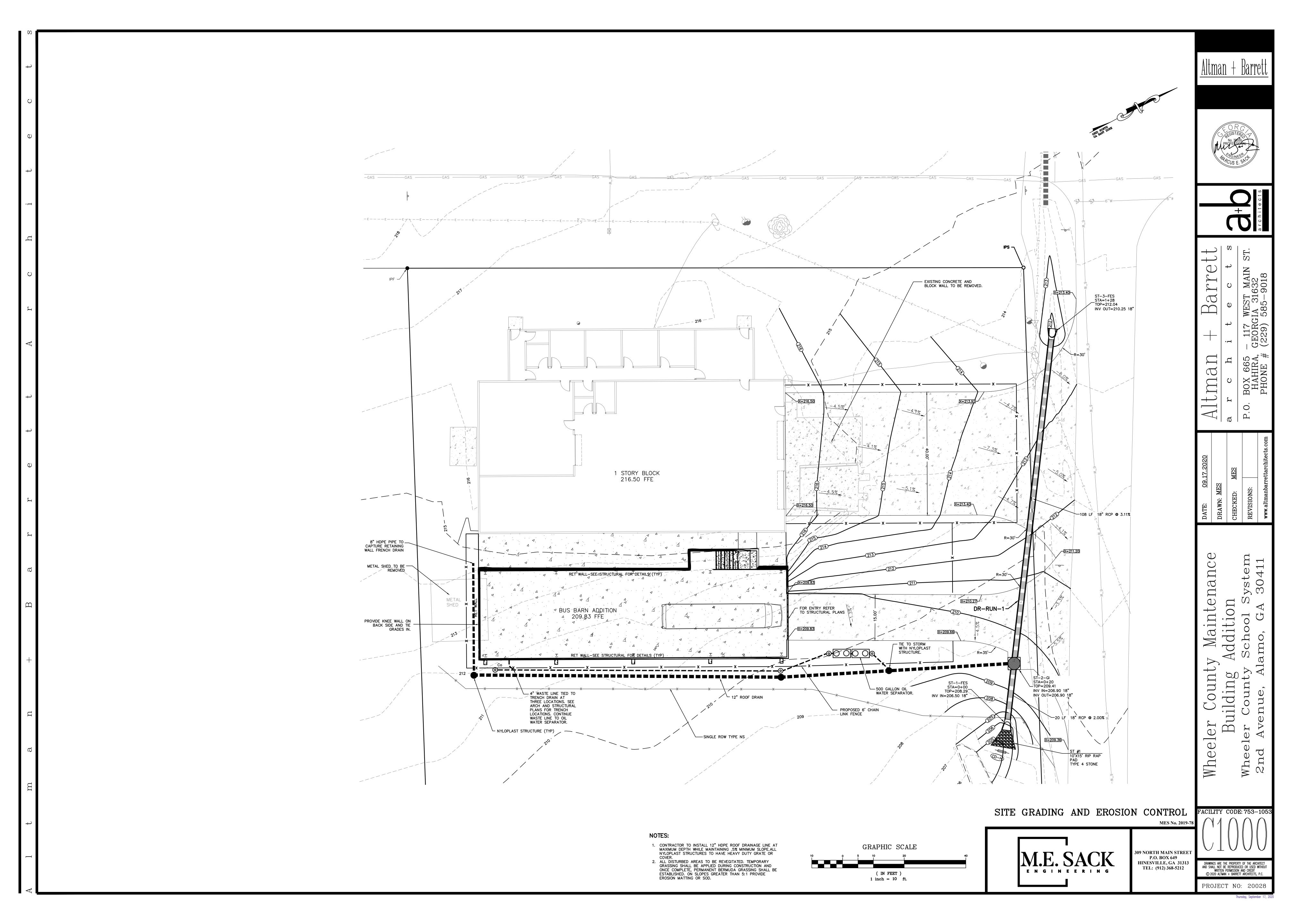
Building Addition

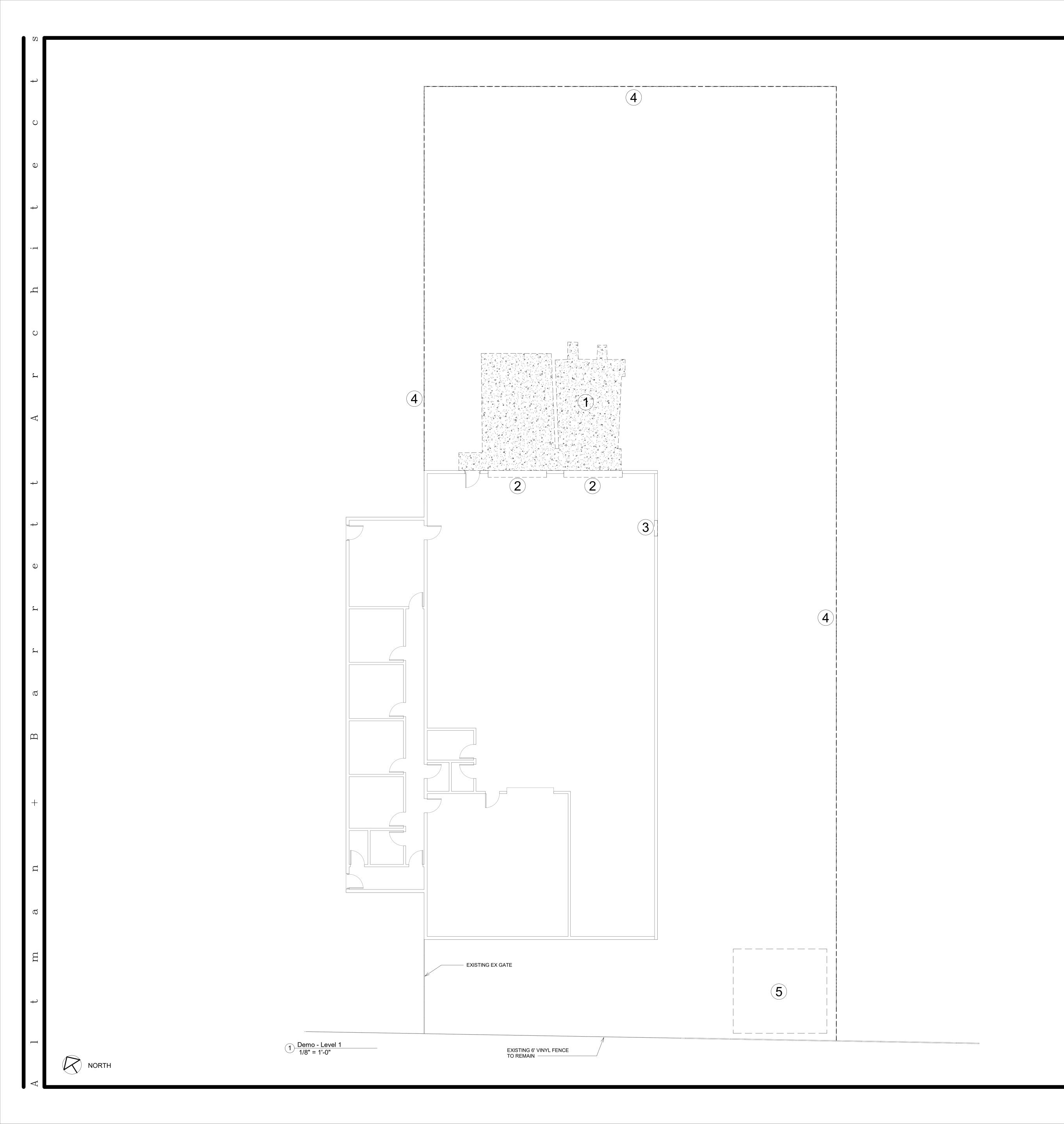
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PROJECT NO: 20028

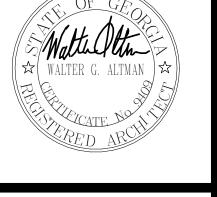




**DEMO NOTES** r Note Text
Demo existing concrete drive Note Number Demo existing door and portion of wall for new door Demo portion of wall for new door Demo existing chainlink fence including post foundations Owner to remove metal shed prior to bid







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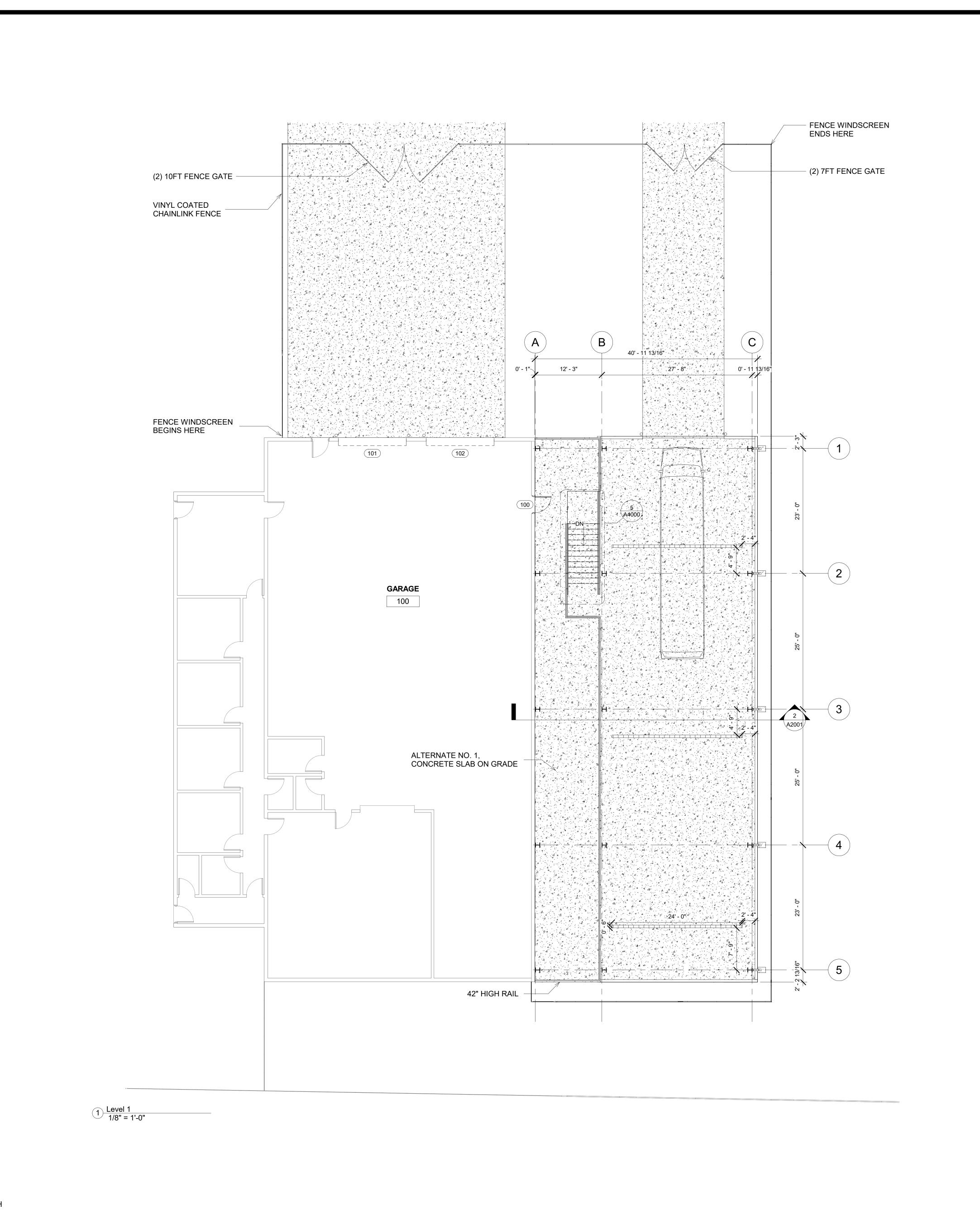
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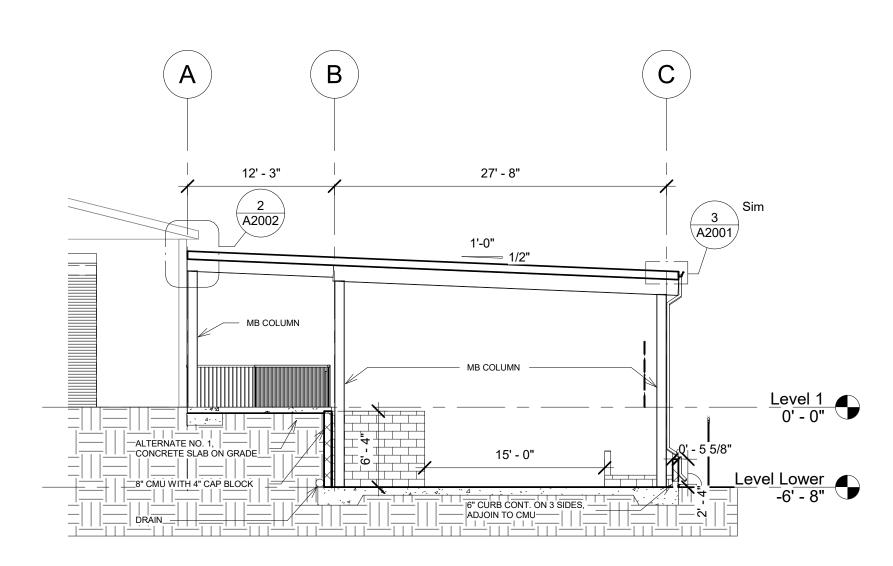
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DRAWN: <u>LJ/SB</u>
CHECKED: W. ALTMAN
REVISIONS:
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Building Addition
Wheeler County School System
2nd Avenue, Alamo, GA 30411 County

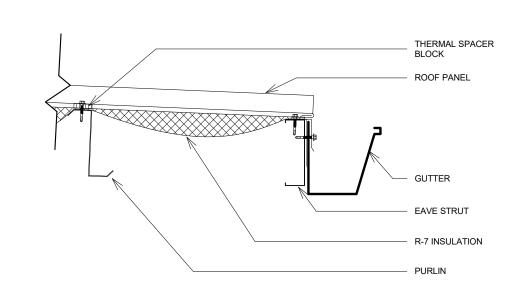
Maintenance

PROJECT NO: 20028





2 Building Section
1/8" = 1'-0"



3 Roof Detail 1 1/2" = 1'-0"

Ce DATE: 09.17.2020

DRAWN: LJ/SB

CHECKED: W. ALTMAN

REVISIONS:

REVISIONS:

H.

- 117 WEST MAIN GEORGIA 31632 (229) 585-9018

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heeler County Maintenance Building Addition Wheeler County School System 2nd Avenue, Alamo, GA 30411

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WRITTEN PERMISSION AND CREDIT
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DDOIECT NO. 20028

COUNTER FLASHING - BASE FLASHING EXPANSION JOINT —

2 Roof Expansion JT 1 1/2" = 1'-0"

1/2" / 1'-0" DS/SB -

Maintenance Addition School System lamo, GA 30411 Building Addi Wheeler County Scho-2nd Avenue, Alamo, County heeler

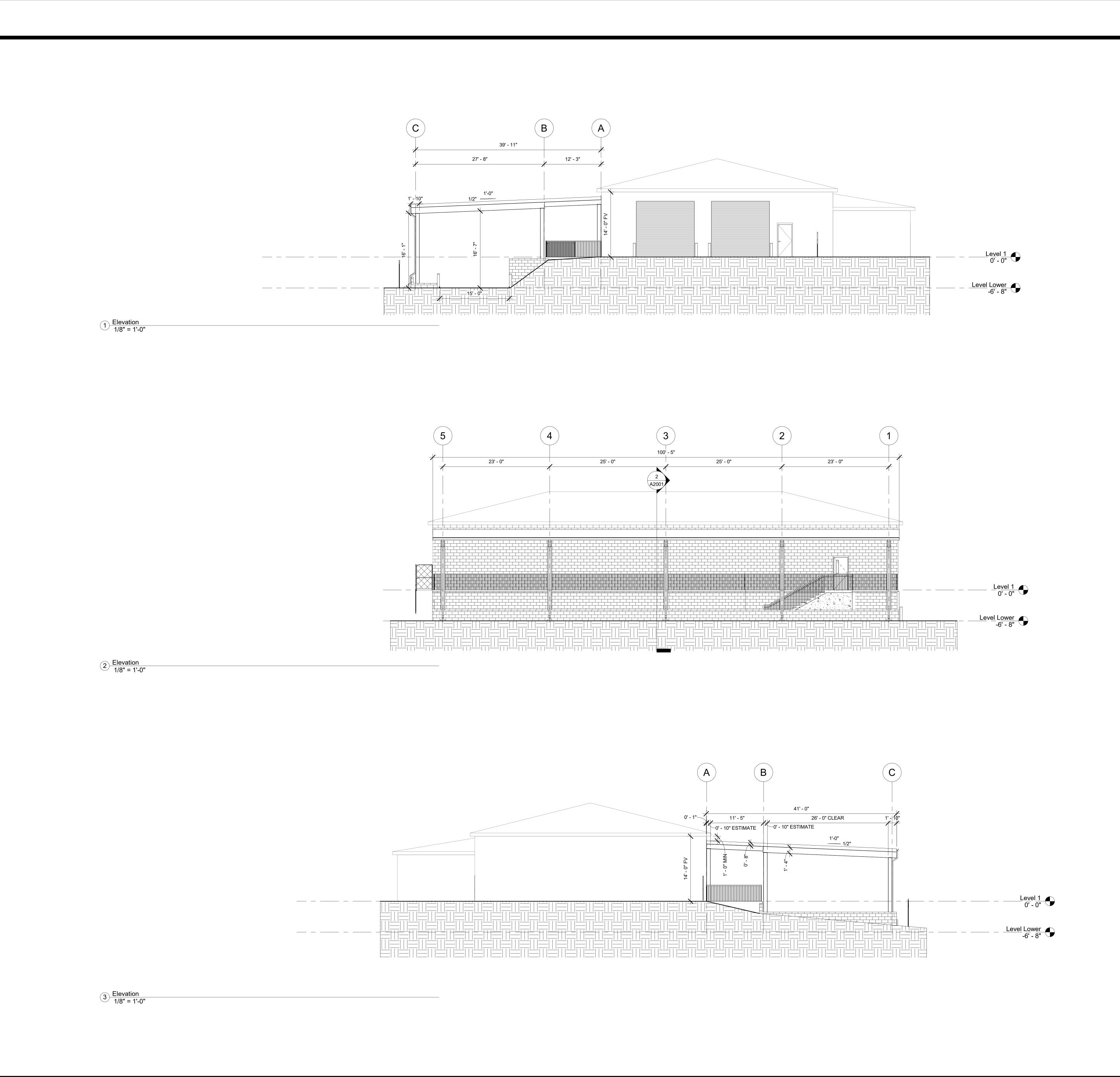
BOX 665 HAHIRA, PHONE # nan Altm

Barrett

DS/SB 2 A2001

DS/SB -

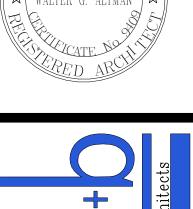
1 Roof 1/8" = 1'-0"











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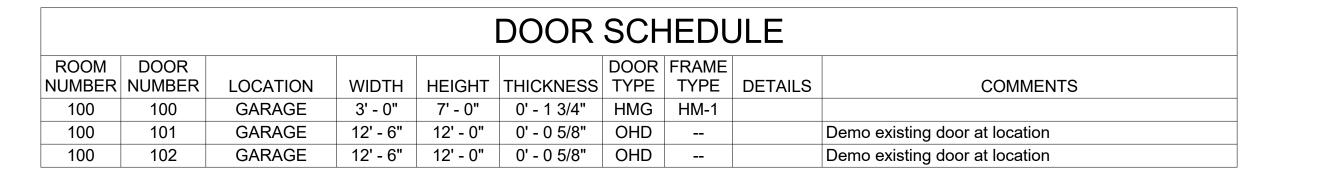
Addition School System lamo, GA 30411 Building
Wheeler County
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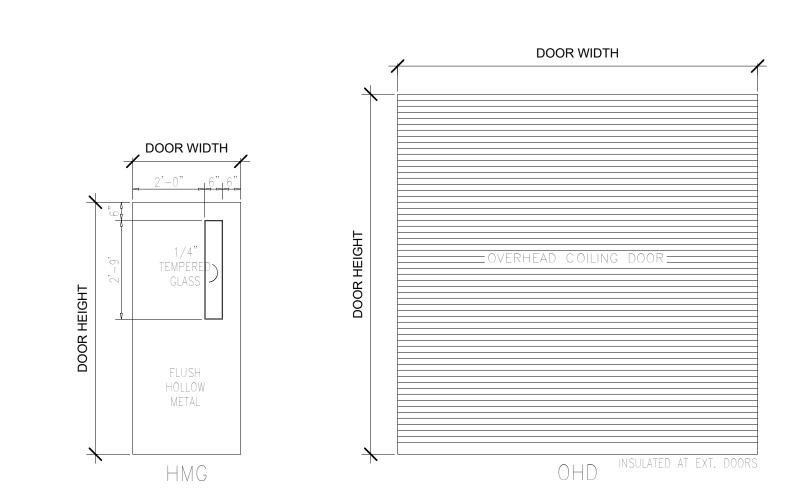
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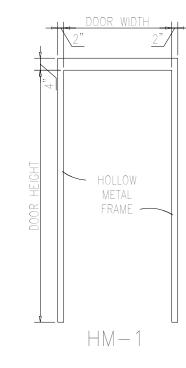
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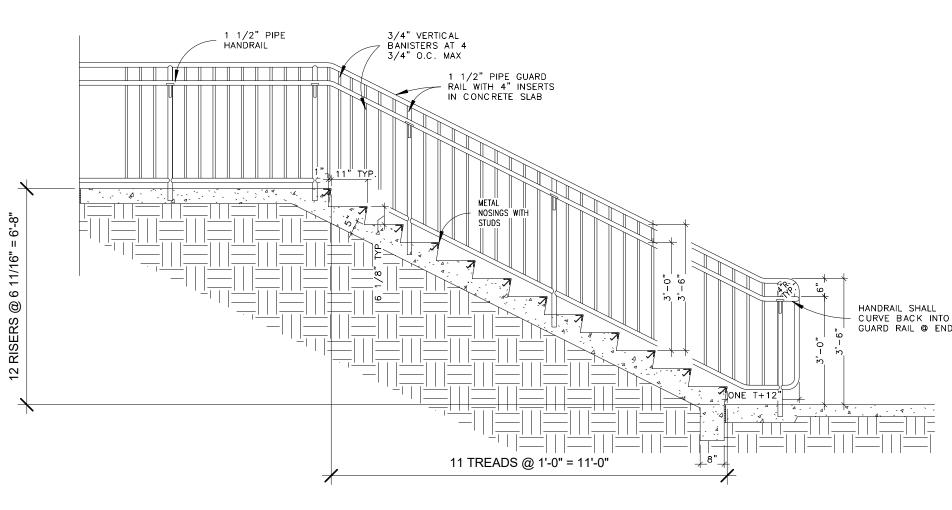
# DOOR TYPES

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

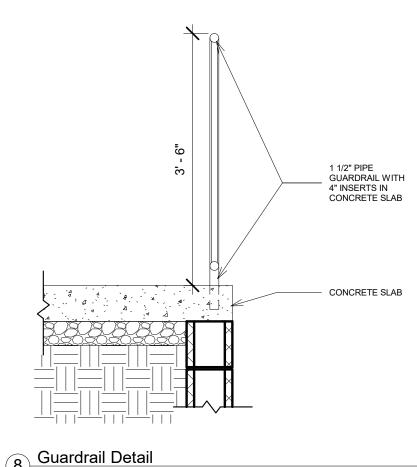


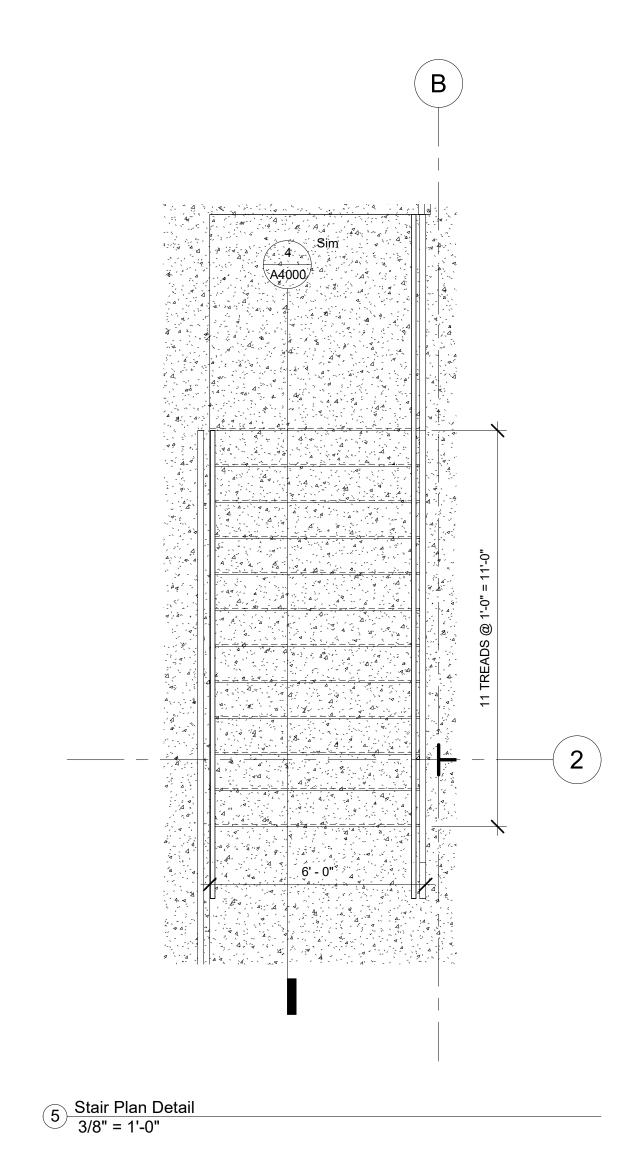
# HOLLOW METAL DOOR FRAME TYPE

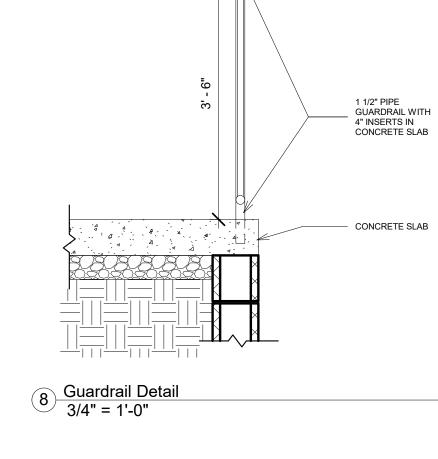
SCALE: 3/8"=1'-0"

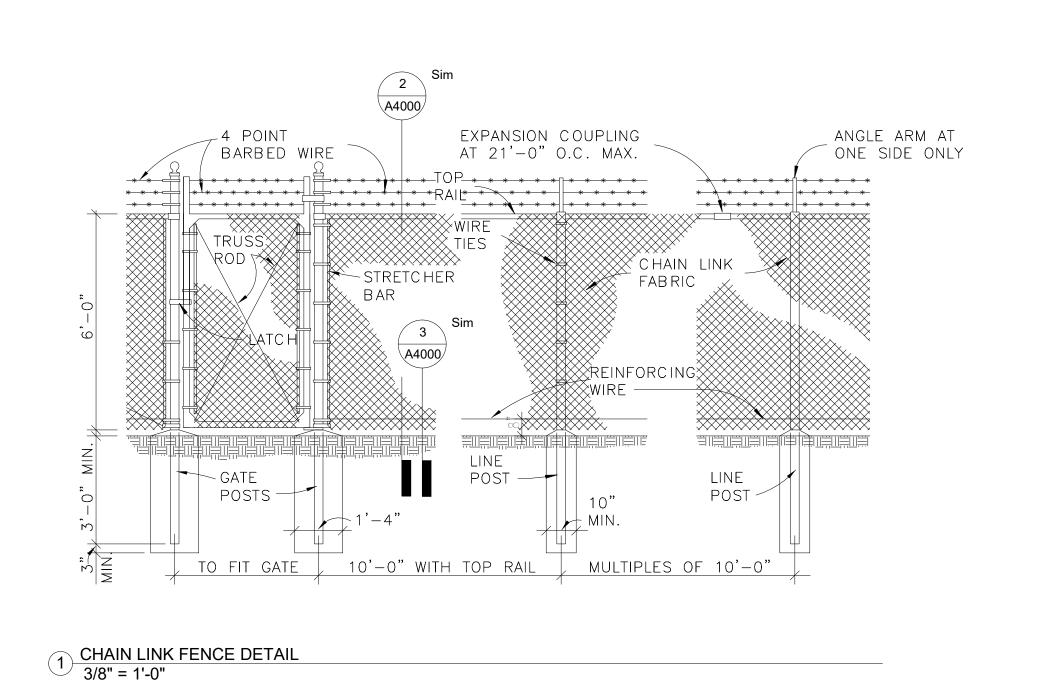


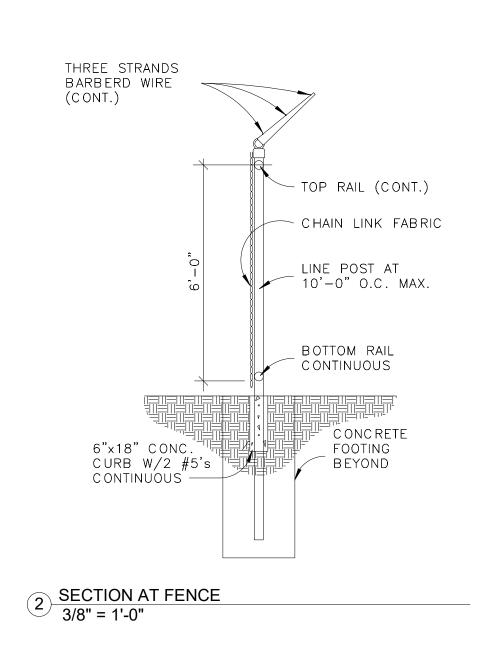
4 TYP. STAIR & RAILING SECTION 3/8" = 1'-0"

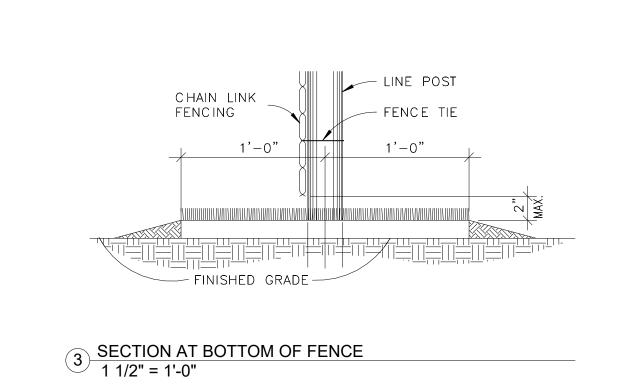


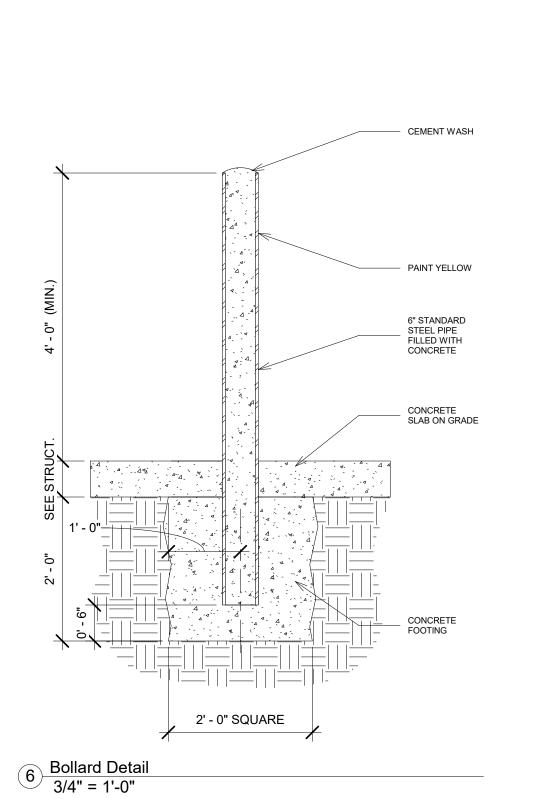














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PROJECT NO: 20028

- 1. The Contractor is responsible for establishing the bearing elevations for footings. The tops of footings indicated on the drawings are based on the finished grade indicated, but do not consider the means and methods of construction which are solely the Contractor's responsibility. The footing is to be lowered at no cost to owner where necessitated by the
- construction procedures used. 2. Where footings bear on any material other than undisturbed natural soil, the specified conditioning and compaction shall extend a minimum of five feet beyond the limits of new construction in all directions. The building pad shall be constructed
- to the finished subgrade elevation to a minimum. 3. Finished grade shall be taken as the lowest adjacent top of slab for interior footings. For perimeter footings, finished grade shall be taken as the lowest adjacent top of slab or the lowest adjacent top of finished grade, whichever is lower.
- 4. Construction grade shall be taken as the lowest adjacent top of subgrade at any time during construction. 5. Adjacent for determination of finished or construction grade shall be taken to mean within five feet of the edge of the
- 6. Step footings per typical details in increments of 8" minimum and 2'-0" maximum to maintain the minimum bearing depth indicated. The horizontal distance between any two steps shall be at least twice the vertical height of the larger step.
- 7. Footings are to bear at a minimum depth below finished grade as indicated above except that the top of footing is not to be above construction grade at any time and is not to be less than 8" below finished floor or finished grade, whichever is lower. The top of the footing shall be lowered as necessary to meet these requirements and to prevent footings from bearing on or above utilities. See specific notes on utilities below.
- 8. The thickness of turned down edges of slabs and monolithic footings is based on the finished grades indicated. The perimeter of slabs, including monolithic footings shall be protected throughout construction to prevent the loss of bearing. Where the edge is permitted to be undermined the contractor shall execute remedial work as directed by the Design Professional at no cost to the Owner. 9. UTILITY EXCAVATION NOTES:
- a. All excavation shall comply with all applicable safety rules and regulations including but not limited to OSHA Construction Standards Part 1926, Subpart P, Excavation, Trenching and Shoring, and Subpart O, Motor Vehicles, Mechanical Equipment, and Marine Operations.
- b. Plan the work: 1. All pipes or conduits to be installed below footing elevation must be either installed prior to the installation of the footing or the footing must be stepped down to allow pipe or conduit to be sleeved thru stem wall in accordance
- with the typical details 2. Do not excavate, tunnel, mine, drill, bore or in any way cause an opening, void or space below a footing that is
- 3. Do not place pipes or conduit under footings except for permitted crossings as shown on these drawings. At all other locations, where a conflict cannot be avoided, lower the footing to avoid conditions indicated as prohibited. c. Do not sleeve utilities through footings, lower the footing. Utilities may be sleeved through stem walls in accordance
- 10. Notify the architect immediately should any unauthorized excavation occur. 11. Where footings are founded on compacted fill, the limits of compaction and the percent of compaction shall be as

with details. Do not sleeve utilities through column piers unless specifically detailed on the drawings.

- B. Protection of Footing Excavations: 1. Prevent surface water and ground water from entering excavations, from ponding on prepared subgrades, and from
- flooding Project site and surrounding area. 2. Protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.
- 3. Reroute surface water runoff away from excavated areas. Do not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches
- 4. Protect footings and slabs that are in place from being undermined by erosion and by excavation by other trades. Repair areas that are undermined as directed by the Architect at no cost to the Owner. C. Dewatering Performance:
- 1. Design, furnish, install, test, operate, monitor, and maintain dewatering system of sufficient scope, size, and capacity to control hydrostatic pressures and to lower, control, remove, and dispose of ground water and permit excavation and construction to proceed on dry, stable subgrades.
- 2. Continuously monitor and maintain dewatering operations to ensure erosion control, stability of excavations and constructed slopes, prevention of flooding in excavation, and prevention of damage to subgrades and permanent
- 3. Prevent surface water from entering excavations by grading, dikes, or other means.
- 4. Accomplish dewatering without damaging existing buildings, structures, and site improvements adjacent to excavation. 5. Remove dewatering system when no longer required for construction.

# A. General:

- 1. The Structural construction documents represent the finished structure. They do not indicate the means or methods of construction. The Contractor is solely responsible for planning the work and for the means, methods, techniques, sequences or procedures of construction. The Contractor shall plan and furnish all measures necessary to protect the structure during construction.
- 2. The Structural drawings are to be taken collectively. Typical details and more specific details complement one another. Every requirement is not repeated at every possible location. Typical requirements are shown on typical details and shall apply to more specific details unless specifically noted to the contrary.
- 3. Structural details are applicable where indicated by section cut, by note or by detail title. Provide similar details at similar conditions unless noted otherwise.
- 4. Do not scale drawings, use dimensions and scheduled sizes. 5. Provide all temporary bracing, shoring, guying or other means to avoid excessive stresses and to hold Structural elements in place during construction. Establish and verify all openings and inserts for mechanical, electrical, and plumbing with the
- appropriate trades, drawings, and subcontractors prior to construction. 6. All items cast into concrete or masonry grout including but not limited to reinforcing, weld plates, anchor bolts, pipe and conduit shall be positively held in place prior to the placement of concrete or grout. Do not weld embedment to reinforcing or to other embedded items without the specific permission of the Design Professional. Tack welds are strictly prohibited
- except where permitted by AWS D1.1 or where indicated on these drawings. 7. The Contractor shall plan the work and shall establish a sequence of the work so that foundations once in place shall not be undermined by subsequent excavation for utilities or for any other work. See typical details for additional information. Establish and locate footing steps to insure compliance with the details and with the drawing notes. All footing steps are to
- be confirmed and located by the contractor on all shop drawings affected. B. Openings through structural elements.
- 1. EXISTING means existing at the time construction commenced. Except for modification under an approved change order, no work put in place under this contract shall be considered existing.
- 2. All openings required through structural slabs or walls shall be sleeved. Where openings are required through structural slabs over steel deck, the sleeve shall not penetrate the steel deck. The deck shall only be cut after the concrete fill reaches its specified design strength.
- 3. Additional reinforcing is required at all openings through structural elements which exceed one foot in any dimension and for all openings which require reinforcing to be relocated or cut.
- 4. DO NOT CUT OR CORE DRILL INTO OR THROUGH ANY STRUCTURAL ELEMENT WITHOUT THE EXPRESS WRITTEN CONSENT OF THE SEOR.

# Shop Drawings:

- A. Unless noted otherwise, the shop drawings shall be construed to include fabrication drawings, bills of material and placing
- B. The Contractor shall review and approve all shop drawings prior to submission to the Design Professional. The Contractor's review shall include the coordination of all trades whose work affects the submittal.
- C. FIELD MEASUREMENTS: Where information from field measurements is required for the completion of shop drawings, this information should be supplied by the Contractor and incorporated into the shop drawings.
- D. COORDINATION WITH OTHER TRADES: Where information from another trade is required, this information should be supplied by the Contractor and incorporated into the shop drawings.
- E. Any questions, changes, substitutions, or deviations from the contract documents shall be clouded or flagged by manufacturer or fabricator. Any such items not clouded or flagged shall not be considered approved. Any such item not specifically responded to by the reviewer shall be considered unanswered; the correctness or incorrectness of the item shall not be inferred.
- F. General notes, typical details, qualifications, or other disclaimers placed on the shop drawings do not modify the requirements
- G. Notes, qualifications, or other disclaimers placed on the shop drawings do not modify in any way the responsibilities of the Design Professionals.
- H. Do not use any form of the contract documents as shop or erection drawings.
- Where the services of a Specialty Design Engineer [SDE] are required for the design of any component, element or system, the SDE shall be a registered engineer in the state in which the building is to be constructed. When the SDE is practicing through a corporation, the corporation shall possess a certificate of authorization to provide engineering services in the state in which the building is to be constructed.
- Where the services of a Specialty Design Engineer [SDE] are required for the design of any component, element or system, shop drawing submittals shall include a statement that the SDE has reviewed the Contract Documents and to the best of his knowledge and belief the submittal reflects the intent of the Contract Documents.
- 1. Where the shop drawings are prepared under the direct supervision of the SDE, the shop drawings shall be signed, sealed
- 2. Where the shop drawings are prepared by others, the shop drawings shall bear a stamp or other indication that they have been reviewed by the SDE and that they accurately reflect the design of the SDE.
- 3. Calculations showing the work designed by the SDE are to accompany the submittal. 4. Incomplete or partial submittals will be returned without review. This includes but is not limited to documents required to

# be prepared by an SDE that are not signed and sealed.

- <u>Deferred Submittal Items (Delegated Design)</u> Submit Drawings and calculations for review prior to beginning fabrication for offsite items. For onsite work submit drawings and
- calculations prior to concealing the work. ☐ Design of special foundations and subgrade improvement.
- ☐ CIP post-tensioned concrete ☐ Precast and prestressed concrete components
- ☐ Structural steel connection design Special open web steel joists and joist girders
- ☐ Prefabricated trusses (☐Wood, ☐Cold-formed Steel Framing)
- ☐ Prefabricated truss system (☐Wood, ☐Cold-formed Steel Framing)
- ☐ Pre-engineered metal building structures

# **Demolition/Existing Conditions:**

- A. Contractor shall verify in the field all existing conditions. Any discrepancies between the drawings and the actual field conditions shall be reported to the Design Professional prior to continuing any work. B. Certain dimensions on the plans may be flagged to be field verified. This may mean that there is a conflict ambiguity between
- existing drawings or an apparent conflict in the field, it does not relieve the Contractor of the responsibility of verifying ALL dimensions relating to existing conditions or that are derived from existing conditions. C. Contractor shall exercise extreme care during demolition to avoid damaging those portions of the structure to remain. The
- Contractor shall notify the Design Professional immediately of any damage to the structure indicated to remain. D. All methods used shall be carefully planned and shall be appropriate to the work to be done. The existing structure to remain
- shall not be subjected to any sudden or excessive forces that might adversely affect the integrity of the structure. E. Where existing concrete or masonry is to be removed, saw cut between the structure to remain and that to be removed unless noted otherwise. Where new doors or other openings are to be cut into existing walls or slabs, a minimum 6" diameter core hole shall be drilled into each corner. The saw cut shall be between the core holes. No over-cutting into the structure to remain shall be permitted.

# **Metal Building Notes**

- A. Design Loads: 1. See Design Criteria for additional loading information.
- 2. Superimposed Collateral Dead Load
- a. Areas without ceilings = 5 psf.
- b. Areas with ceilings = 10 psf. 3. Mechanical Loads – See mechanical drawings for location of the mechanical units. Coordinate operating weights for units
- 4. Special Loads See architectural drawings for the location of special items including but not limited to basketball goals,

## B. Deflection: Vertical deflection.

- a. Roof members
- Live or wind load = L/240.

hanging screens, and operable partitions.

- Dead + live load = L/180. b. Members supporting gravity loads due to masonry = L/600 or 0.3 inches, whichever is less.
- 2. Horizontal deflection. a. Girt and eave struts supporting lateral loads from masonry = L/360.
- b. Girt and eave struts not supporting lateral loads from masonry = L/180.
- 3. Drift = H/200 (Buildings with metal panel siding.) 4. Drift = H/360 (Buildings with masonry exterior walls, including masonry wainscot)
- 5. Lateral forces used for the calculation of deflection shall be based on a 10-year mean reoccurrence interval.
- 1. The structural design of metal building components shall be in accordance with the specified code and with the
- requirements of the drawings. Where different requirements exist, the more stringent control. 2. The general arrangement of the metal building frame shall be as shown on the drawings. Any deviation shall be submitted as a "Request for Substitution" in accordance with the specifications for approval a minimum of ten days prior to the bid
- 3. An engineer registered in the State of Georgia shall perform the structural design. The engineer shall affix his seal, his original signature and date to each drawing sheet. The engineer shall affix his seal, his original signature, and date to each
- calculation sheet or to an index that describes each calculation sheet. 4. The drawings and calculations shall indicate the following:
- a. The complete design of each component. b. The size and dimensions of each component. The designations of components shall conform to a referenced industry standard. Where the standard is not referenced by these drawings and specifications, a copy of the standard must be included as part of the submittal. Designation by manufacturer's part number is unacceptable unless referenced to
- industry standard designations. c. The loading used including the self-weight of the metal building components.
- d. Foundation reactions. 5. Except where documented by a valid Evaluation Service Report, or by calculations, the standing seam metal roof should not
- be assumed to provide lateral support to the roof-framing members for either gravity or uplift loads. The metal building engineer shall specify and detail additional bracing and bridging as necessary to laterally brace the roof members.
- 1. Transverse forces shall be carried by the main moment frames. 2. Longitudinal forces shall be carried by portal frames except that cross-bracing is permitted where shown on plans.
- 3. All column bases shall be designed as pinned. 4. All cross-bracing, horizontal and vertical, shall be rods or structural shapes. Cable bracing is not permitted. 5. Where portal frame columns or beams interfere with masonry lintels shown or scheduled on plans, the portal frame shall
- be designed to replace the masonry lintel and to support the full weight of the masonry with the deflection limits indicated. E. Additional Requirements: 1. All text or graphical information, including, but not limited to, cut-out letters, shapes, or numerals, labels, tags, signs, logos,
- piece marks, and manufacturer's identification shall be placed to be hidden from view in the completed building or shall be removed by erector. All such text or graphical information remaining when the erection is complete shall be removed at no
- 2. Painted marks on pieces indicated to receive finish paint shall be compatible with the specified primer. Painted marks visible after finish painting shall be removed and repainted by the painting contractor at the no additional cost to the
- 3. For all girts and for purlins installed at a slope exceeding 4 on 12, provide bracing, bridgine or other positive means to maintain alignment of the member.

# Metal Building Components

D. Lateral force resisting system:

- A. Purlins and Girts are to be minimum Fy=55 ksi , Fu=70 ksi and formed from Structural-Steel Sheet B. Structural-Steel Sheet: Hot-rolled, ASTM A 1011, High-Strength Low-Alloy Steel (HSLAS) or High-Strength Low-Alloy Steel with Improved Formability (HSLAS-F), or cold-rolled, ASTM A 1008, Structural Steel (SS), or HSLAS. C. Provide manufacturer's standard clips and accessories.
- D. Finish: Factory primed. Clean and prepare in accordance with SSPC-SP2. Apply manufacturer's standard primer immediately after cleaning and pretreating to a minimum 1 mil dry film thickness.

A. Masonry Reinforcing: Horizontal reinforcing:

distance offset.

- a. All CMU walls to have two #5 continuous in a minimum 8" bond beam at all floor and roof levels and at the top of the
- b. At interior non-load-bearing walls, place the top of wall bond beam one course below top of wall unless detailed
- c. All walls except for masonry veneer laid in running bond are to have standard joint reinforcing, minimum two W1.7 wires at 16" on center, unless noted otherwise.
- d. Bond beam reinforcing to be continuous through control joints. Discontinue typical joint reinforcing. 2. Vertical reinforcing: CMU walls except for four-inch nominal CMU are to have verticals at the indicated spacing with a
- vertical at all corners, ends, jambs, intersections and both sides of control joints. a. Exterior walls are to have #5 verticals at a maximum of 48 inches on center and one #5 vertical at all corners, ends, jambs, intersections and both sides of control joints unless otherwise scheduled or detailed.
- b. Interior walls are to have #4 verticals at a maximum of 72 inches on center and one #4 vertical at all corners, ends, jambs, intersections and both sides of control joints unless otherwise scheduled or detailed. c. Additional vertical reinforcing shown on plan is in lieu of typical reinforcing. Unless noted otherwise, place one bar per
- cell in solid grout. Extend bars a minimum of 30 bar diameters beyond the floor or roof level above. d. See schedule for reinforcement laps. Where bars or different sizes are lapped, the length may be based on the smaller of the two bars unless noted otherwise. Where bars are offset, the minimum lap shall be scheduled lap plus the
- B. Post-installed Masonry Anchors 1. Post-installed anchors shall only be used where shown on the drawings.
- 2. Contractor shall obtain approval from Engineer of Record prior to using post-installed anchors for missing or misplaced cast-in-place anchors or dowels.
- 3. Mechanical anchors shall have been tested in accordance with ICC-ES AC01 or ICC-ES AC106. Adhesive anchors shall have been tested in accordance with ICC-ES AC58. Anchors that do not have an Evaluation Service Report [ESR] for the intended
- 4. Care shall be given to avoid conflicts with existing rebar. Holes shall be drilled and cleaned per the applicable ESR. 5. Anchors shall be installed per the manufacturer's installation instructions at not less than minimum edge distances and/or
- spacing indicated per the applicable Evaluation Report. 6. All anchor installation shall be inspected as specified in the Schedule of Special Inspections and the applicable ESR. The more stringent requirements shall control. 7. Anchors installed to replace missing or misplaced items shall be continuously inspected. The contractor shall review with
- the special inspector applicable procedure and inspection requirements. Inspection reports submittal with missing or incomplete information shall be cause for rejection of the work. 8. Basis of Design: where anchors are specified on these drawings the basis of design is as indicated below. Other anchors may
- be submittal for approval. a. The use of a different manufacturer's anchor may require additional fasteners, but do not use fewer anchors than
- b. Adhesive Anchors: SIMPSON STRONG-TIE "SET" (ICC-ES ER-1772) c. Expansion Anchors: SIMPSON STRONG-TIE "STRONG-BOLT 2" (IAPMO-ES-ER-240)
- d. Concrete Screw Anchor: SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-1056).

- Cast in Place Concrete:
- A. All items to be cast into the concrete shall be firmly tied or otherwise positioned using suitable devices so as to prevent displacement during the concrete placement.
- B. Construction Joints:
- 2. All construction joints shall be formed with vertical bulkheads with keyway. Provide a minimum 1 1/2" x 3 1/2" horizontal keyway at construction joints in beams and continuous footings with a depth of 12" or less. Provide a minimum 1 1/2" x 5 1/2" horizontal keyway, otherwise.
- 3. Spacing of construction joints or control joints in walls exposed to view shall not exceed 40 feet unless specifically noted otherwise on the drawings.
- 4. Provide a 3/4" chamfer on all exposed corners of concrete unless noted otherwise.

1. No horizontal construction joints shall be permitted except where shown on the drawings.

- C. Reinforcing: 1. Except as otherwise noted or detailed the spacing of reinforcing and the distance to the first bar shall be detailed to comply
- with Appendix C of the CRSI Manual of Standard Practice.
- 2. Provide extra reinforcing around all openings exceeding 24 inches square or round in all slabs and walls equal to two #5 bars on four sides and extend two feet beyond the opening.
- 3. Lap splice all reinforcing in accordance with schedule unless noted otherwise. Provide Class B splices except that where splices in adjacent bars are staggered a minimum of one lap length, splices may be Class A.
- 4. Where bars are noted as continuous: a. Stagger splices is adjacent bars.
- b. Provide corner bars at all corners and offsets.
- c. Extend bars into intersecting members and provide a standard 90-degree hook at discontinuous end.
- 5. Mechanical splices may be used in lieu of lap splices in locations approved by the Design Professional. Coupling devices shall a current, valid ICC-ES report and shall be installed in strict accordance with the report. Coupling devices shall meet the requirements of a Type 2 tension-compression splice except that Type 1 splice may be used where a Class A lap splice is permitted or where approved by the design professional.
- 6. Provide isolation joints around all columns at all exposed slab on grade areas.
- 7. Concrete cover: a. Concrete cast against and permanently exposed to earth = 3-inch.
- b. Concrete exposed to earth or weather, unless noted otherwise: 1. #6 through #18 = 2-inch
- 2. #5, W31 or D31 wire and smaller = 1 1/2-inch 3. Detail concrete piers for steel columns for 2-inch cover to the ties.
- c. Concrete not exposed to weather or in contact to ground: 1. Slabs, walls, and joists:
- a. #14 and #18 = 1 1/2-inch. b. #11 and smaller = 3/4-inch.
- . Beams and columns = 1 1/2-inch.

E. Post-installed Concrete Anchors

- D. Conduit and Embedded Pipes in Reinforced Concrete. 1. These rules apply to all conduit and pipe to be cast into or through concrete. These rules apply to concrete cast over steel
- deck except where more stringent requirements are given below. 2. All conduit and embedded pipes shall be held in position using suitable devices. No conduit and embedded pipes shall be in contact with or secured to any structural item. Provide chairs, positioners or support bars as necessary to secure these items against movement during concrete placement.
- 3. Aluminum conduit and pipes shall not be embedded in structural concrete unless coated. 4. Conduits, pipes and sleeves passing through a slab, wall or beam shall not impair significantly the strength of the
- 5. Conduit and pipes, with their fittings, embedded within a column shall not displace more than 4% of the area of the column. 6. Unless shop drawing showing all conduit and pipes to be embedded are submitted for approval, conduit and pipes shall
- meet the following requirements: a. The maximum outside diameter of pipe or conduit shall not exceed 1/3 the least thickness of the concrete section. The minimum clear distance between any two pipes or conduit shall be twice the outside diameter of the larger pipe.
- b. Conduit and pipes shall be fabricated and installed so that cutting, bending, or displacement of reinforcing from its proper location is not required
- 7. In solid slabs, conduit and pipe shall be placed between the top and bottom reinforcing. 8. The minimum thickness of concrete cover for pipes, conduit and fittings shall not be less than 1-1/2" for concrete exposed to earth or weather and 3/4" otherwise.
- 9. Pipes and fittings shall be designed to resist the effects of the material, pressure, and temperature to which they are subjected. No liquid, gas, or vapor, except water not exceeding 90°F nor 50 psi shall be placed in the pipes until the concrete has attained its designed strength.
- 1. Post-installed anchors shall only be used where shown on the drawings. 2. Contractor shall obtain approval from Engineer of Record prior to using post-installed anchors for missing or misplaced cast-
- 3. Mechanical anchors shall have been tested in accordance with ACI 355.2 and ICC-ES AC193 for cracked concrete and seismic applications. Adhesive anchors shall have been tested in accordance with ACI 355.4 and ICC-ES AC308 for cracked concrete and seismic applications. Anchors that do not have an Evaluation Service Report [ESR] for the intended application are
- 4. Care shall be given to avoid conflicts with existing rebar. Holes shall be drilled and cleaned per the applicable ESR. 5. Anchors shall be installed per the manufacturer's installation instructions at not less than minimum edge distances and/or spacing indicated per the applicable ESR.
- 6. All anchor installation shall be inspected as specified in the Schedule of Special Inspections and the applicable ESR. The more stringent requirements shall control. 7. Anchors installed to replace missing or misplaced items shall be continuously inspected. The contractor shall review with the special inspector applicable procedure and inspection requirements. Inspection reports submittal with missing or
- incomplete information shall be cause for rejection of the work. 8. Basis of Design: where anchors are specified on these drawings the basis of design is as indicated below. Other anchors may be submittal for approval.
- a. The use of a different manufacturer's anchor may require additional fasteners, but do not use fewer anchors than indicated.
- c. Expansion Anchors: SIMPSON STRONG-TIE "Torg-Cut" (ICC-ES ESR-2705) d. Concrete Screw Anchor: SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713).

b. Adhesive Anchors: SIMPSON STRONG-TIE "AT-XP" (IAPMO-ES ER-263)

# Design Criteria

- **Building Code:** A. Georgia State Minimum Standard Building Code, IBC, 2018 Edition, As Amended.
- B. Minimum Design Loads for Buildings and Other Structures, ASCE 7-16. C. Building Code Requirements for Reinforced Concrete, ACI 318-14
- D. Manual of Standard Practice, CRSI. E. Building Code Requirements for Masonry Structures, TMS 402/602-16.

# A. Floor

- Slab on Grade = 250 psf. B. Roof
- 1. Live Load = 20 psf (On Horizontal Projection).
- 2. Minimum Roof Collateral Dead Load See Metal Building Structural Notes 3. Reducible for slope and area. C. Snow Load Data, Pg = 0
- 1. Flat-roof snow load, Pf ≤ 5 psf 2. Snow exposure factor, Ce = 1.0
- 4. Thermal Factor, Ct = 1.0 D. Wind Data:

3. Snow Load Importance Factor, Is = 1.0

- 1. Ultimate Design Wind Speed (Vult): 112 mph (3 Second Gust) 2. Nominal Design Wind Speed (Vasd): 87 mph (3 Second Gust)
- 3. Risk Category: II
- 4. Exposure B. 5. Enclosed Structure, Gpi ± 0.18.
- 6. Components and Cladding Pressure By MBM 7. Existing Structure to Remain
- E. Seismic Data Risk Category: II 2. Seismic importance factor, le = 1.0
- 3. Ss = 16.50%g 4. S1 = 7.50%g
- Site Class D 6. Spectral Response Coefficients
- 7. SDS = 0.176 8. SDI = 0.120

9. Seismic Design Category B

- 10. Seismic Reisting System By MBM 11. Design Base Shear - By MBM
- 12. Seismic Response Coefficient By MBM 13. Response Modification Factor - By MBM 14. Analysis Procedure - By MBM

approved construction documents.

reinspected and retested.

# 15. Existing Structure to Remain

- Special Inspections:
- A. Special inspections are required for Structural items under Chapter 17 of the Building Code. B. The Building Code places the responsibility for these inspections with the Owner.
- C. See the Statement of Special Inspection for Structural Tests and Inspections required. D. Requirements for Wind Resistance are included in the Statement of Special Inspection. E. Requirements for Seismic Resistance are included in the Statement of Special Inspection.

A. 1500 psf for Type 5 (or better) Soils per Table 1806.2 PRESUMPTIVE LOAD-BEARING VALUES

- F. Contractor's Responsibility: Where Requirements for Wind or Seismic Resistance or both are included in the Statement of Special Inspection the Contractor shall submit a statement of responsibility as required by Section 1706 of the Building Code. G. Fabricator's Responsibility: Where fabrication is performed off-site by a fabricator approved to provide inspections of their own work, the fabricator shall submit a certificate of compliance stating that the work was performed in accordance with the
- I. The Contractor shall review the work with the designated Special Inspector in order to familiarize himself with the inspections require and familiarize the Special Inspector with the proposed work schedule. J. The Contractor shall review all Special Inspection Reports with the Special Inspector at the project site before the Special Inspector leaves the site and shall verify that the report accurately reflects the item inspected and contains all the information

H. ANY ITEM THAT FAILS ITS INITIAL INSPECTION MUST BE REINSPECTED AFTER IT IS CORRECTED AND BEFORE IT IS CONCEALED.

- necessary to determine that the work was performed in accordance with the contract documents. Where discrepancies are noted, the source of the problem, the location and the extent of the problem shall be clearly defined. K. The Contractor shall notify the Design Professional immediately of any tests or inspections which fail to meet the requirements of drawings and specifications and which are not immediately corrected in the normal course of the work and successfully
- L. When the work cannot be brought into compliance with the contract documents for any reason, the Contractor may propose an alternate solution using the Change Order Request Procedure [COR] as defined by the General Conditions. A proposed solution may be outlined using the Request For Information [RFI], but changes to the contract documents may not be made with the RFI procedure. The COR submittal must include complete engineered documents showing the proposed repair,
- products to be used, including ICC-ES reports for the products and special inspection requirements specific to the repair M. It is the responsibility of the Contractor to install the work in accordance with the contract documents. Only the Design

Professional [DP] may determine whether a proposed alternate solution is acceptable. The determination of the DP is final.

N. Where the deviation between the proposed solution and the contract documents is deemed to be trivial by the DP, the DP may

elect to waive the requirement for a COR. Waiving this requirement in one instance places no burden upon the DP to waive the requirement in other instances O. All repair work shall be inspected and tested in accordance with requirements for the original work and all supplementary

P. Each noted discrepancy is an individual event. Only the DP may make a determination that a repair approved for a previous

Q. **Note:** Special inspection reports and a final report in accordance with Section 1704.2.4 shall be submitted to the building official (AHJ) prior to the time that phase of the work is approved for occupancy.

Future Expansion: This project is not designed for future expansion

CONCRETE SCHEDULE

LOCATION

AIR CONTENT

(±1½ INCH)

6%

STRENGTH

AT 28 DAYS

3000 PSI | 4 INCH

3000 PSI 4 INCH 6% SEE REM

SEE

REM

LOCATION

ALL CONCRETE UNO

SLAB ON GRADE

PUMPED CONCRETE

MINIMUM

**CEMENTIOUS** 

MATERIAL...

NA

470 LBS/CYD

REMARKS

ADD 11/2 LBS/CYD MICROFIBER. AIR CONTENT

SHALL NOT EXCEED 3% FOR CONCRETE

SPECIFIED TO RECEIVE A HARD TROWELLED

FINISH.

FOR PUMPED CONCRETE, SLUMP SHALL BE 8

INCHES ±1 INCH FOR CONCRETE WITH A VERIFIED

SLUMP OF 3 INCHES ±1 INCH PRIOR TO THE

ADDITION OF SUPER-PLASTICIER. ALL OTHER..

requirements shown on the approved repair procedure.

situation is appropriate for a subsequent item.

GA COA # PEF000415 EXP 6/30/2022 229.242.9897 Voice

Lindsey & Ritter, Inc.

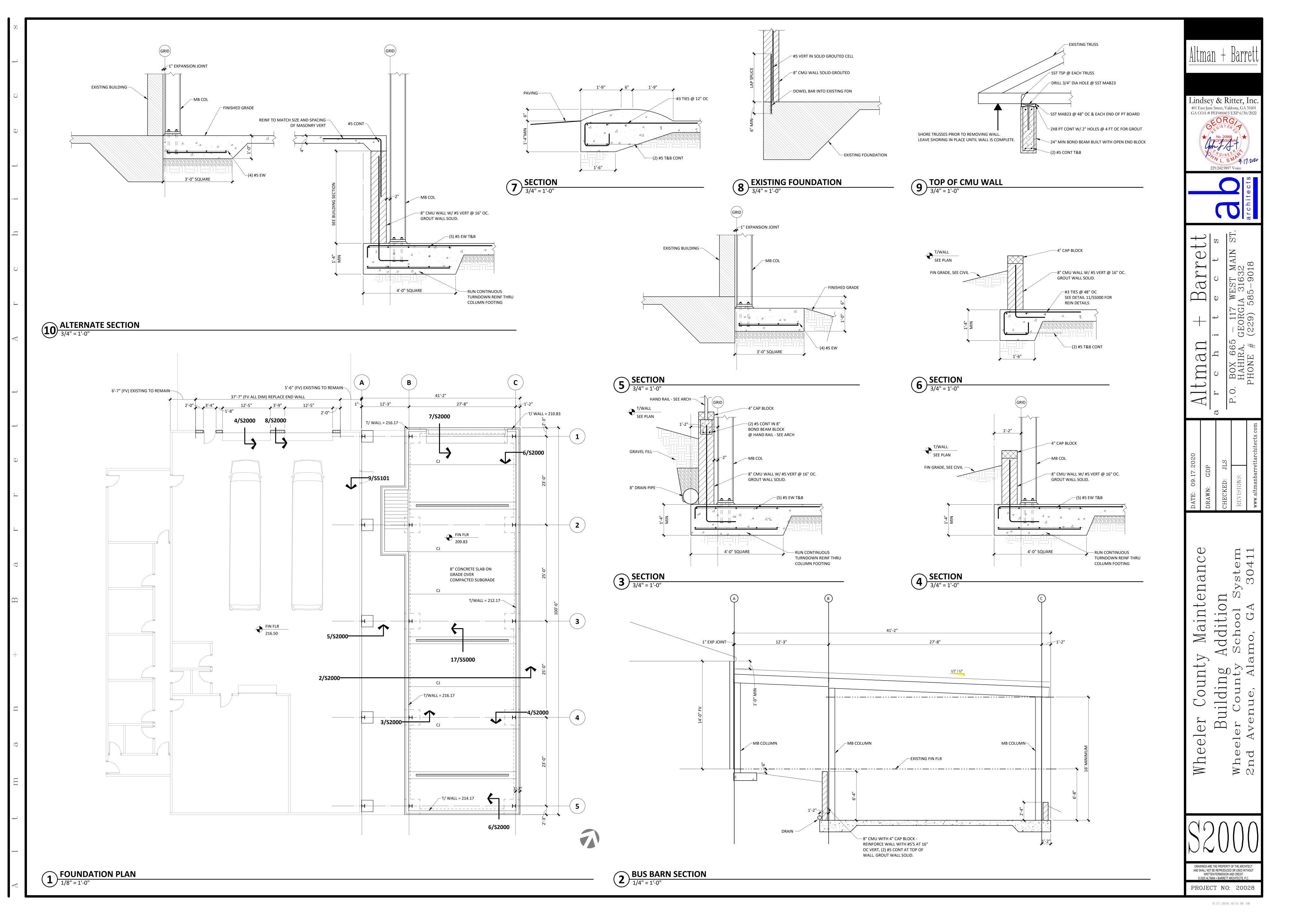
401 East Jane Street, Valdosta, GA 31603

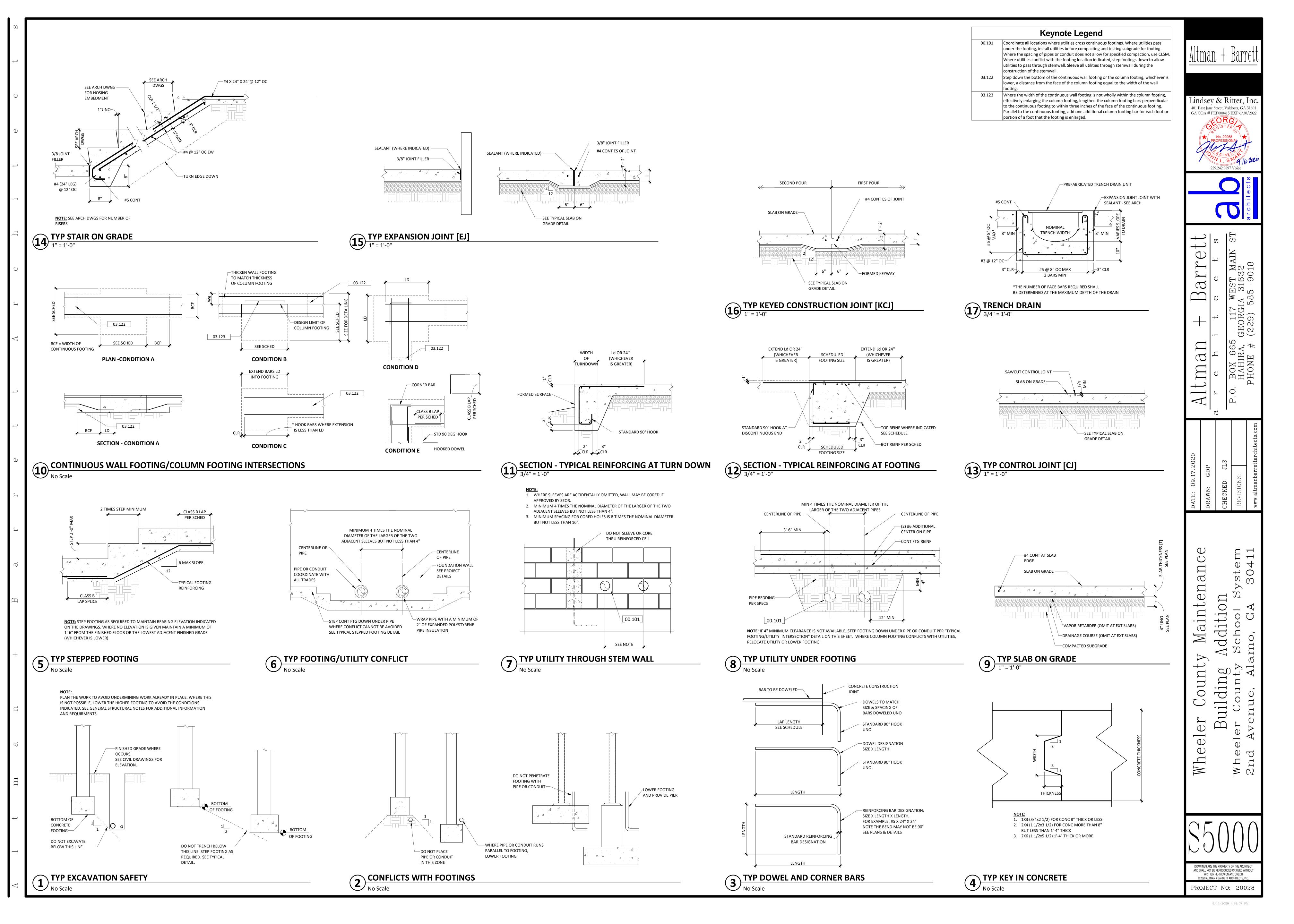
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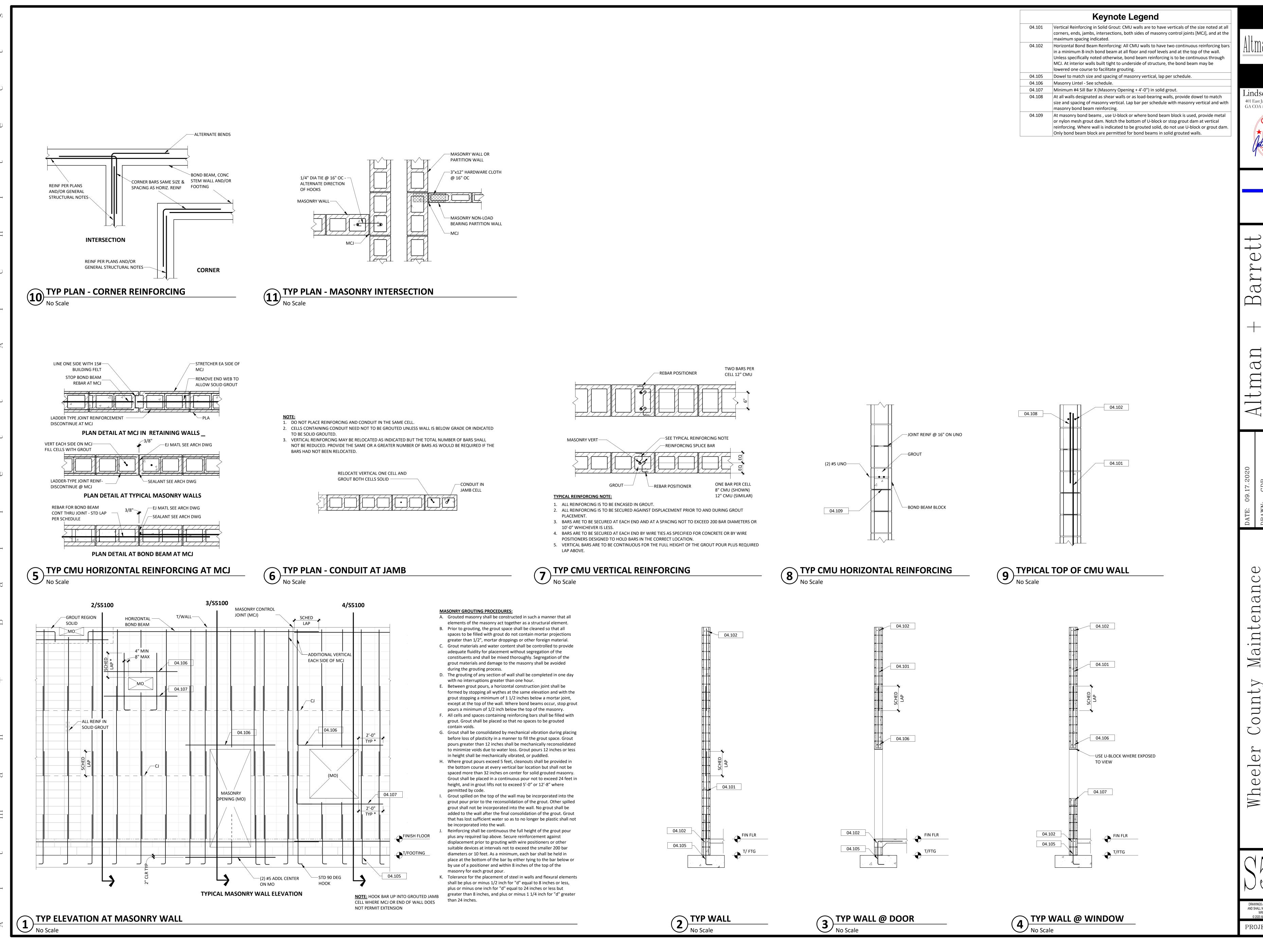
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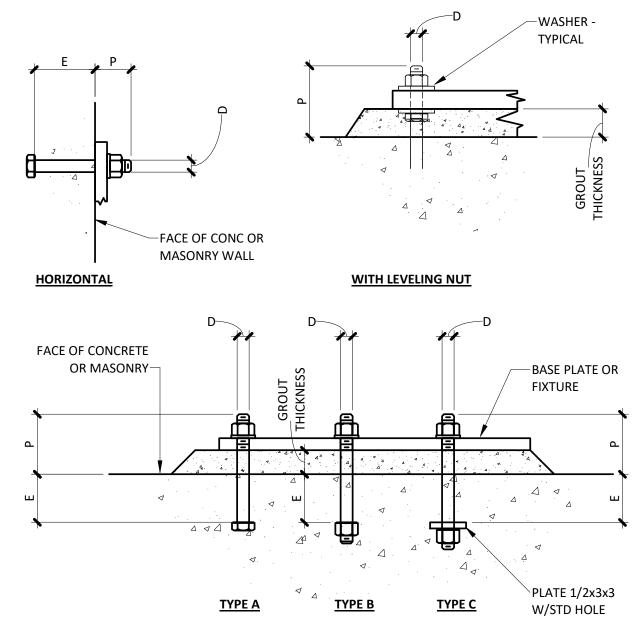






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(2) 3/4"x6"—

HAS 8" GAGE

EMBED D

PL1/2x7x10"

EMBED D1

PL1/2x7x14"

EQ GAGE EQ

11 11

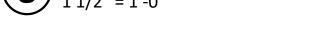
(2) 5/8"x5"-

HAS 4" GAGE

# ANCHOR ROD NOTES:

- 1. All nuts and heads are to be heavy-hex type, except that 1/2 or 5/8-inch bolts installed in masonry may be std-hex bolts.
- a. 12 times the bolt diameter (12D)
- c. E=7 1/2 inches for 3/4 inch bolts set in the top of footings.
- standard hole. When the hole is other than a standard hole, the washer shall be a 3/8-inch plate washer for bolts 1-inch or smaller, 1/2-inch plate washer for larger bolts.
- vertically. Increase grout thickness as indicated and increase projection accordingly and where required, lower the bearing elevation. Where
- leveling nuts are used with oversized holes, provide plate washers both sides of hole.
- its final installed position shall protrude from the nut a minimum of 1/4".
- Unless specifically detailed otherwise on these drawings the minimum minimum edge distance for bolts designated as high-strength shall be
- 3. The minimum spacing of anchor rods shall be 4 1/2-inches in any direction.

# 8 TYPICAL ANCHOR RODS 1 1/2" = 1'-0"



(2) 5/8"x5"—

EMBED C -

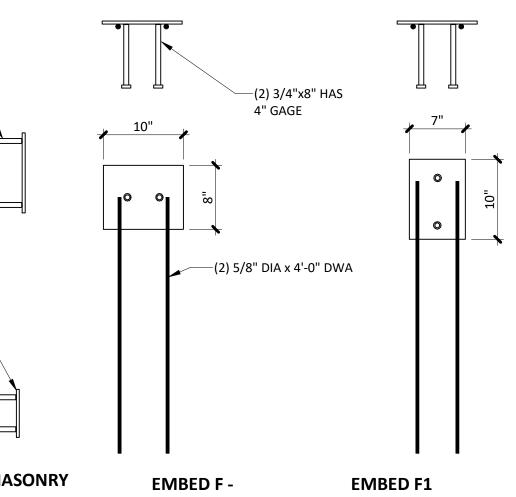
5/8"x5" HAS—

5 EMBED TYPES
No Scale

TYP FIELD BUILT LINTEL

PL3/8x4x10"

HAS 8" GAGE



**EMBED B - MASONRY** PL3/8x6x6" PL3/8x6x6" **NOTE:** THIS DETAIL SHOWS STANDARD EMBEDMENT TYPES. SEE SECTIONS FOR LOCATION AND NUMBER OF SPACING OF EMBED REQUIRED. ALL OF THE EMBEDMENTS MAY NOT BE USED ON THIS PROJECT. ASTM A706 REINFORCING MAY BE SUBSTITUTED FOR DWA.

HAS 8" GAGE

**EMBED E -**

PL1/2x11X10"

(2) 5/8"x5"—

HAS 4" GAGE

0

PL1/2x8x10"

PL1/2X7X10

- 2. Unless noted otherwise, bolts may be Type A or Type B. Post-installed anchors are not permitted. L- or J-bolts are not permitted. Unless otherwise noted on the drawing, the minimum embedment (E)
- b. E=5 inches for all bolts installed horizontally in an 8 inch CMU wall regardless of size, unless noted otherwise.
- d. Where a bolt length is given on the drawings, the length given shall be taken as the minimum embedment (E). 4. Provide a washer under the bolt head. Use a standard washer for a
- 5. Leveling nuts may be used at the contractor's option for all bolts installed
- 6. Minimum grout thickness to 2-inches with leveling nuts or 1-inch without
- leveling nuts, unless otherwise noted. The projection (P) shall be determined by the contractor so that the bolt in Incude the dimension of all required washers when calculating projection. Maintain a minimum of three inches below and around anchor rods set in
- footings by digging out beneath the anchor rods. SPECIAL PROVISIONS FOR METAL BUILDING COLUMNS: All notes above applied except as modified herein.
- edge distance shall be five bolt diameters or 4", whichever is greater. The seven bolt diameters or 4", whichever is greater.
- 4. The embedment length (E) for anchors installed in a monolithic footing shall be increased so that the clear cover below the anchor is four-inches ± one-inch, but not less that 12D.

- NEW CMU 4x8x16"

- (2) L3 1/2x3 1/2x1/4"x(MO + 8") BACK TO BACK

				TENSION	N DEVELO	PMENT	AND LAF	SPLICE	LENGTHS	FOR UN	ICOATED	BARS				
FY =	60,000 P:	SI				F'C = 2	,500 PSI			F'C = 3,	000 PSI			F'C = 4,	,000 PSI	
Size	Metric	Bar Diameter	Area	Lap Splice	Тор	Bars	Othei	Bars	Тор	Bars	Other	Bars	Тор	Bars	Other	Bars
SIZE	Size	(DB)	Alea	Class	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2
#3	#10	0.375 in	0.11 in2	Α	24 in	35 in	18 in	27 in	22 in	32 in	17 in	25 in	19 in	28 in	15 in	22 in
#3	#10	0.373 111	0.111112	В	31 in	46 in	24 in	35 in	28 in	42 in	22 in	32 in	24 in	36 in	19 in	28 in
#4	#13	0.500 in	0.20 in2	Α	31 in	47 in	24 in	36 in	29 in	43 in	22 in	33 in	25 in	37 in	19 in	29 in
#4	#13	0.300 111	0.20 1112	В	41 in	61 in	32 in	47 in	37 in	56 in	29 in	43 in	32 in	48 in	25 in	37 in
#5	#16	0.625 in	0.31 in2	Α	39 in	59 in	30 in	45 in	36 in	54 in	28 in	41 in	31 in	47 in	24 in	36 in
#3	#10	0.025 111	0.51 1112	В	51 in	76 in	39 in	59 in	47 in	70 in	36 in	54 in	40 in	60 in	31 in	47 in
#6	#6 #19	#19 0.750 in	0.44 in2	Α	47 in	70 in	36 in	54 in	43 in	64 in	33 in	50 in	37 in	56 in	29 in	43 in
#0	#19	0.730 111	0.44 1112	В	61 in	92 in	47 in	71 in	56 in	84 in	43 in	64 in	48 in	72 in	37 in	56 in
#7	#22	0.875 in	0.60 in2	Α	69 in	103 in	53 in	79 in	63 in	94 in	48 in	72 in	54 in	81 in	42 in	63 in
#/	#22	0.873 111	0.00 1112	В	89 in	133 in	69 in	103 in	81 in	122 in	63 in	94 in	70 in	106 in	54 in	81 in
#8	#25	1.000 in	0.79 in2	Α	78 in	117 in	60 in	90 in	72 in	107 in	55 in	82 in	62 in	93 in	48 in	71 in
#0	#23	1.000 111	0.79 1112	В	102 in	152 in	78 in	117 in	93 in	139 in	72 in	107 in	80 in	121 in	62 in	93 in
#9	#29	1.128 in	1.00 in2	Α	88 in	132 in	68 in	102 in	81 in	121 in	62 in	93 in	70 in	105 in	54 in	81 in
#9	#29	1.126 111	1.00 1112	В	115 in	172 in	88 in	132 in	105 in	157 in	81 in	121 in	91 in	136 in	70 in	105 i
#10	#32	1.270 in	1.27 in2	Α	99 in	149 in	77 in	115 in	91 in	136 in	70 in	105 in	79 in	118 in	61 in	91 in
#10	#32	1.270 111	1.27 1112	В	129 in	193 in	99 in	149 in	118 in	177 in	91 in	136 in	102 in	153 in	79 in	118 i
#11	#36	#36 1.410 in 1.56 in2	Α	110 in	165 in	85 in	127 in	101 in	151 in	78 in	116 in	87 in	131 in	67 in	101 i	
#11	#30	1.410 111	1.50 1112	В	143 in	215 in	110 in	165 in	131 in	196 in	101 in	151 in	113 in	170 in	87 in	131 i
#14	#43	1.693 in	2.25 in2	N/A	132 in	198 in	102 in	153 in	121 in	181 in	93 in	139 in	105 in	157 in	81 in	121 i
#18	#57	2.257 in	4.00 in2	N/A	176 in	264 in	136 in	203 in	161 in	241 in	124 in	186 in	139 in	209 in	107 in	161 i

- 1. Tabulated values are based on Grade 60 reinforcing bars and normal weight concrete. 2. Cases 1 and 2, which depend on the type of structural element, concrete cover, and the center to center spacing of the bars, are defined as: A. Beams or Columns:
- a. Case 1: Cover at least 1.0 db and center to center spacing at least 2.0 db. b. Case 2: Cover less than 1.0 db or center to center spacing less than 2.0 db.
- a. Case 1: Cover at least 1.0 db and center to center spacing at least 3.0 db.
- b. Case 2: Cover less than 1.0 db or center to center spacing less than 3.0 db. 3. Lap Splices are not permitted for #14 and #18 bars.

# 6 CONCRETE EMBEDMENT AND LAP SPLICE SCHEDULE

# #25 1.000 IN | 0.790 IN2 | BOND BEAM - SINGLE BAR 108 DB 108 IN BOND BEAM - TWO BAR 119 DB 119 IN 1. Tabulated values are based on Grade 60 reinforcing bars and normal weight grout.

LAP SPLICE AND EMBEDMENT LENGTHS FOR 8" MASONRY

0.625 IN 0.305 IN2 BOND BEAM - SINGLE BAR

f'm = 1,500 PSI

8" WALL - VERTICAL

BOND BEAM - SINGLE BAR

BOND BEAM - TWO BAR

8" WALL - VERTICAL

**BOND BEAM - SINGLE BAR** 

BOND BEAM - TWO BAR

8" WALL - VERTICAL

BOND BEAM - TWO BAR

8" WALL - VERTICAL

BOND BEAM - SINGLE BAR

BOND BEAM - TWO BAR

8" WALL - VERTICAL

BOND BEAM - SINGLE BAR

BOND BEAM - TWO BAR

8" WALL - VERTICAL

LAP LENGTH

40 DB 15 IN

40 DB 15 IN

40 DB 15 IN

40 DB 20 IN

40 DB 20 IN

40 DB 20 IN

40 DB 25 IN

43 DB 27 IN

50 DB 31 IN

57 DB 43 IN

67 DB 50 IN

77 DB 58 IN

69 DB 60 IN

80 DB 70 IN

90 DB 79 IN

91 DB 97 IN

fy = 60,000 PSI

METRIC DIAMETER

(DB)

0.375 IN | 0.110 IN2

0.500 IN | 0.200 IN2

0.750 IN 0.440 IN2

0.875 IN | 0.600 IN2

SIZE

	Tension development and lap lengths are calculated per ACI 530-11.  Bar sizes omitted require mechanical connectors.
LAP	SPLICE SCHEDULE FOR 8" MASONRY 1'-0"
12" =	1'-0"

	MASONRY LINTELS: Locate all openings including but not limited to	MASONRY OPENING	WALL THICKNESS (NOMINAL)	GROUT DEPTH	REINFORCING (BOTTOM)	REINFORCING (TOP)
ALLIANT SILL DEDTILOS	openings for doors, windows, mechanical ductwork, electrical conduit and mechanical,	1'-0" ≤ MO ≤ 3'-0"	6"	8"	(1) #5	-
H-UNIT FULL DEPTH OF LINTEL USE H-BOND BEAM	plumbing and sprinkler piping. All openings larger than 6" diameter shall be sleeved into the wall. Do	3'-0" < MO ≤ 6'-8"	6"	16"	(2) #5	-
WHERE HORIZONTAL REINFORCING OCCURS	not cut openings larger than 6" in diameter.	1'-0" ≤ MO ≤ 4'-0"	8"	8"	(2) #5	-
NEINI GIREING GEEGIS	Locate reinforcing prior to core drilling wall. Do not core drill within 8" of a reinforcing bar	4'-0" < MO ≤ 8'-0"	8"	16"	(2) #5	-
	measured edge of opening to centerline of bar.	8'-0" < MO ≤ 12'-0"	8"	24"	(2) #5	(1) #5
	<ul> <li>A. Provide a vertical bar to match the size of the typical masonry vertical X (Masonry Opening [MO] plus 4'-0" on each size of opening.  Where the vertical dimension of the opening is 4'-0" or more provide a bar for the full height of the story.</li> <li>B. Provide reinforced masonry lintel per schedule above all openings 1'-0" wide or</li> </ul>	12'-0" < MO ≤ 14'-8"	8"	32"	(2) #5	(1) #5
H POND		14'-8" < MO ≤ 17'-4"	8"	40"	(2) #5	(1) #5
H-BOND BEAM UNIT		17'-4" < MO ≤ 20'-0"	8"	48"	(2) #5	(1) #5
BEAM UNIT		1'-0" ≤ MO ≤ 4'-0"	12"	8"	(2) #6	-
A		4'-0" < MO ≤ 8'-0"	12"	16"	(2) #6	-
TEMPORARY BRACING SIZE AND SPACING BY CONTRACTOR	wider. C. Provide a minimum of (2) #4 bars x (MO plus	8'-0" < MO ≤ 12'-0"	12"	24"	(2) #6	(1) #5
A SPACING BY CONTRACTOR	4'-0") in a minimum 8" deep bond beam	12'-0" < MO ≤ 14'-8"	12"	32"	(2) #6	(1) #5
LINTEL UNITS	below all masonry openings 1'-0" wide or wider unless noted otherwise.	14'-8" < MO ≤ 17'-4"	12"	40"	(2) #6	(1) #5
		17'-4" < MO ≤ 20'-0"	12"	40"	(2) #6	(1) #5
		NOTES:  1. Provide precast or fie	ld-built lintel per sch	nedule. unle	ss noted otherw	ise.

8"	8"	(2) #5	-	
8"	16"	(2) #5	-	
8"	24"	(2) #5	(1) #5	
8"	32"	(2) #5	(1) #5	
8"	40"	(2) #5	(1) #5	
8"	48"	(2) #5	(1) #5	
12"	8"	(2) #6	-	
12"	16"	(2) #6	-	
12"	24"	(2) #6	(1) #5	
12"	32"	(2) #6	(1) #5	
12"	40"	(2) #6	(1) #5	
12"	40"	(2) #6	(1) #5	
•		ess noted otherw	ise.	
	8" 8" 8" 8" 8" 12" 12" 12" 12" 12" 12" 12"	8" 16" 8" 24" 8" 32" 8" 40" 8" 48" 12" 8" 12" 16" 12" 24" 12" 32" 12" 40"	8" 16" (2) #5  8" 24" (2) #5  8" 32" (2) #5  8" 40" (2) #5  8" 48" (2) #5  12" 8" (2) #6  12" 16" (2) #6  12" 24" (2) #6  12" 32" (2) #6  12" 40" (2) #6  12" 40" (2) #6  12" 40" (2) #6	8" 16" (2) #5 -  8" 24" (2) #5 (1) #5  8" 32" (2) #5 (1) #5  8" 40" (2) #5 (1) #5  8" 48" (2) #5 (1) #5  12" 8" (2) #6 -  12" 24" (2) #6 (1) #5  12" 32" (2) #6 (1) #5  12" 40" (2) #6 (1) #5  12" 40" (2) #6  12" 40" (2) #6  12" 40" (2) #6  12" 40" (2) #6  11 #5  12" 40" (2) #6  11 #5  12" 40" (2) #6  11 #5  12" 40" (2) #6  11 #5  12" 40" (2) #6  11 #5  12" 40" (2) #6  11 #5

-VENEER (WHERE OCCURS) NOT SHOWN SCHED REINF (MO + 4'-0") 4. Shore fild-built lintel for a minimum of 7 days after grouting. SEE NOTES -SHORE FIELD-BUILT 5. All masonry units used within grouted limits of the lintel are to be H-Block units. 6. See Architectural head details for cover plates required in addition to the LINTELS structural lintel. **CMU LINTEL SECTION** 

	NOTE: USE STEEL LINTELS WHEN REQUIRED MASONRY BEARING IS NOT AVAILABLE AND FOR FIELD CUT OPENINGS	<b>\</b>	"ID CONT	1/2" DIA x 30" DEFORMED WIRE ANCHOR TO MATCH SPACING OF VERTICALS
WN	71^1	2'-0" SOLID CONT	2'-0" GROUT SOLID	W16x26 FOR MASONRY OPENING OVER 8'-0"  WELD-ON TIES @ 16" OC ES
		GROUT SC		GROUT OR SLUSH FULL AROUND BEAM  W16x26 FOR MASONRY
	(2) L3 1/2x3 1/2x5/ BACK TO BACK FOR OPENINGS 4'-0" OF	?	FOR MASONRY NGS 8'-0" OR LESS	OPENINGS 12'-0" OR LESS  —PL 1/4x7x(MO-1") @ 8" CMU PL 1/4x11x(MO-1") @ 12" CMU

GROUT FILLED	QUANTITY OF #5 FIELD ADDED REBAR AT BOTTOM OF LINTEL CAVITY
8 F 12 - NOMINAL WIDTH NOMINAL HEIGHT	1B / 1T  QUANTITY OF #5 FIELD  ADDED REBAR AT TOP
#5 CONT  "H" BLOCK FULL LENGTH  OF PRECAST LINTEL  CAST-CRETE  PRECAST LINTEL  #5 CONT	MASONRY OPENING BEARING LENGTH LENGTH
	BEARING BEARING LENGTH

OPENING SIZE

1'-0" THRU 2'-8"

2'-9" THRU 4'-8"

4'-9" THRU 7'-4"

7'-5" THRU 12'-8"

12'-9" THRU 16'-8" 8F32 - 1B

**NOTE**: LINTEL SIZES AND DETAILS APPLY TO CAST- CRETE LINTELS. OTHER MANUFACTURERS DETAILS MAY VARY. SUBMIT ICC REPORTS FOR APPROVAL.

CAST-CRETE LINTEL DESIGNATION

8U8

8F8 - 1B

8F16 - 1B

8F24 - 1B

12" CMU

12U8

12F8 - 0B

12F16 - 2B

12F24 - 2B

12F32 - 2B

BEARING

LENGTH

4"

TYP PRECAST LINTEL SCHEDULE

No Scale

2 TYP CMU LINTEL - SCHEDULE

No Scale

7. No reinforcing splice permitted within lintel.

TYP STEEL LINTEL

No Scale

229.242.9897 Voice

Lindsey & Ritter, Inc.

401 East Jane Street, Valdosta, GA 31601 GA COA # PEF000415 EXP 6/30/2022

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