

ADDENDUM

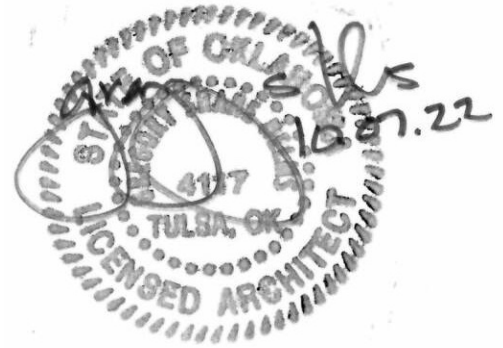
TO: ALL OFFICIAL PLAN HOLDERS

ADDENDUM NUMBER: FOUR

PROJECT: Tulsa Public Schools
Webster High School
Band Room & Green House
Additions w/ Site Improvements
1919 West 40th Street
Tulsa Oklahoma

PROJECT NUMBER: 21-03000

DATE: 10.07.2022



The following are modifications and / or clarifications to the Bidding Documents dated June 16, 2022 & Addenda #1, #2 & #3. This addendum forms a part of the Contract Documents and is subject to all Contract requirements as if included in original documents. Failure to acknowledge receipt of this addendum on the Bid Form may subject Bidder to disqualification.

3.1 ATTACHMENTS

A.	Section 033510 – Interior Concrete Floor Sealer	New
B.	Section 095113 – Suspended Acoustical Ceilings	New
C.	Sheet C8.1 – Details	Revised
D.	Sheet S1.0 – Foundation Plan – Band Room Addition Bldg “C”	Revised
E.	Sheet S1.2 – Details - Band Room Addition – Building “C”	Revised
F.	Sheet S1.4 – Green House Addition Foundation Plan Building “D”	Revised
G.	Sheet AC1.3 – Lower Lvl. Floor Plan – Band Room Addition “C”	Revised
H.	Sheet 5/AC3.2 – Elevation Detail at North Stair Landing	New
I.	Sheet Specialties Locations for AD1.2	New
J.	Sheet Specialties Schedule for AD9.1	New
K.	Sheet AC9.3 – Ensemble Rehearsal Rm. Interior Elevations	Revised
L.	Sheet 4/D-ES101 – Light Pole Foundation Detail	New

3.2 CHANGES / CLARIFICATIONS TO SPECIFICATIONS

- A. Section 033000 – Cast-In-Place Concrete:
1. Part 2.12, A. Piers and Grade Beams; Change Item 1. to “Minimum Compressive Strength: 3000 psi at 28 days.
 2. Part 2.12, C. Slabs-On-Grade; Change Item 1. to “Minimum Compressive Strength: 3500 psi at 28 days.

3. Part 2.12, D. Elevated Slabs & Slabs on Composite Steel Floor Deck; Change Item 1. to "Minimum Compressive Strength: 4000 psi at 28 days."
- B. Section 033510 – Interior Concrete Floor Sealer: Add this Section, included in this addendum, to the Project Manual.
- C. Section 081416 – Flush Wood Doors:
 1. Delete reference to 1.02, A., "2. High Pressure Decorative Laminate faced doors."
- D. Section 084113 - Entrances and Storefronts: Paragraph 2.02; Add "D. YKK AP America, YES 45 TU framing", shall be an approved product.
- E. Section 095113 – Suspended Acoustical Ceilings; Add this Section, included in this addendum, to the Project Manual.
- F. Section 131230 – Green House Systems;
 1. Part 2.1, C.6., Delete the reference to "with 0.6" air space between panels.", replace with "8mm twin wall glazing."
 2. Part 2.2, D., Add "Eight (8) 12" HAF circulation fans (4) in each house is also approved. The circulation systems shall be controlled by the IGrow 800 according to equipment staging and temperature set points.
 3. Part 2.2, H., Add "The referenced overhead misting system if for 2 bench areas in Greenhouse #1. The rest of the bench areas shall have overhead watering systems."
- G. Section 316329 – Drilled Concrete Piers & Shafts;
 1. Part 2.1 Spacers; Add "B. Plastic Spacers are an acceptable substitution."
 2. Part 2.2 End Blocks; Add "B. Plastic End Blocks are an acceptable substitution."
3. Section 323113 – Chain-link Fences and Gates;
 1. Part 2.01, A, 4.; Ameristar's Permacoat 2 mil epoxy base coat & 2 mil thermosetting TGIC polyester powder coating (color: Black) shall be an approved equal for the "15 mill PVC coating" on "All framework, posts and rails, gates and accessories."
 2. Part 2.01, A, Add item "5. Black Powder Coat Paint is also an acceptable finish for the posts, rails, braces & gates."

3.3 CHANGES / CLARIFICATIONS TO DRAWINGS

- A. Coversheet – Drawing List;
 1. Change sheet title for Sheet C7.1 to "Storm Details".
 2. Change sheet title for Sheet C7.2 to "Sanitary Profiles and Details".
 3. Add sheet "C7.3 Water Profile" to the Drawing List.
 4. Delete the listing "D-E401 Panel Boards Building D"; D-E401 is not a sheet.
- B. Sheet C8.1 – Site Plan; Revised Sheet attached locating extent of Fire Lane curb painting.
- C. Sheet S1.0 – Foundation Plan – Band Room Addition Bldg. "C" revised sheet attached.
- D. Sheet S1.1 – Wall Sections, Foundation Details; Detail 3/S1.1, Delete reference "3'-0" Dia. Pier Cap", Pier Cap Pedestals are 3'-6" x 3'-6" x 3'-0" Deep, re: sheet S1.0.
- E. Sheet S1.2 – Details – Band Room Addition – Building "C"; revised sheet attached.
- F. Sheet S1.4 – Green House Addition Foundation Plan Building "D"; revised sheet attached.

- G. Sheet DS0.3 – Enlarged Demolition Stairs & Ramp Plans – Main Classroom Building “B”; Delete notes regarding cleaning and reusing the existing planter stone wall caps. The planter wall caps shall be cast new, re: AS0.3, AS0.5 & AS0.6 information.
- H. Sheets AS0.3, AS0.5 & AS0.6 - Exterior Planters, Main Classroom Building “B”; Delete notes regarding re-using the existing planter cast stone wall caps. The planter caps shall be Cast Stone, size & color to match existing, secured to top of planter wall.
- I. Sheet AS0.6 – Planter Sections, Main Classroom Building “B”; Delete reference to “Connect the PVC French drain to the Storm Drain”; The PVC French drain from the upper level planters shall connect to the lower planter drains on outlet at 5” above the lowest paving level through the north wall capped with a 4” dia. bronze cast “lambs tongue” fixture secured to the masonry wall.
- J. Sheet AB1.2 – Overall Second Floor Plan – Main Classroom Building “B”; On the left side of the sheet, change the enlarged floor plan reference from “7/AB2.1” to “8/AB2.1”.
- K. Sheet AB7.1 – Door & Frame Types, Door Schedule, Details & Notes; In the Door Schedule, change Door B208B from door type “B1” to door type “B3”.
- L. Sheet AC1.3 – Lower Level Floor Plan – Band Room Addition Bldg “C”; Delete the note “New Stall Partitions” in the existing Coach Office & Shower C004, Those are existing toilet partitions to remain. Revised Sheet attached.
- M. Sheet AC1.5 – Partial Upper Level Reflected Ceiling Plan – Cafeteria Renovation Building “C”; Change the “120 min. Coiling Fire Door” note to “90 Min. Coiling Fire Door”, as shown in detail 3/AC1.5 & the Door Schedule.
- N. Sheet AC3.2 – Exterior Elevations & Details, Band Room Addition Building “C”, Replace detail 5/AC3.2 with the attached Drawing Detail 5/AC3.2 attached.
- O. Sheet AC5.3 – Wall Sections, Band Room Addition, Building “C”; Wall Section 2/AC5.3, Refer to the thickened floor slab detail 2/S1.2 attached for the new thickened slab shown in this section adjacent to the existing floor slab at elev. 102’-6”.
- P. Sheet AC9.1 – Specialties Schedule for Building “C”;
 - 1. Add (3) MB8, 8’x4’ Markerboard, mount bot. at 2’-8” aff., re: 2/AC9.3 & 3/AC9.2.
 - 2. Add (2) TB4, 4’x4’, Tackboard, mount bottom at 3’-6” aff., re: 4/AC9.3
- Q. Sheet AC9.2 – Band Rehearsal Interior Elevations; Int. Elev. 3/AC9.2, shows two MB8 markerboards, mount the bottoms at 2’-8” aff.
- R. Sheet AC9.3 – Ensemble Rehearsal Room Interior Elevations; revised sheet attached.
- S. Sheet AD1.2 – Enlarged Floor Plan, Green House Addition, Building “D”; Refer to Sheet “Restroom Specialty Locations for AD1.2” attached for revised Toilet Specialty locations in Restrooms D110 & D112.
- T. Sheets AD1.5, AD3.2, AD3.3, AD3.4 – Greenhouse Building “D” Addition Drawings;
 - 1. Delete the references to “Aluminum Framed”, and replace with “Galvanized Steel Structural Framing with Alum. Framed Glazing System” per the specified system, Section 131230.
 - 2. Delete the references to “(Deduct Alt. #2)” and replace with “(Deduct Alternate #7)”. Reference specification Section 012300 Alternates issued in Addendum #3.
- U. Sheet AD9.1 – Room Finish Schedule; Add the “Specialties Schedule for AD9.1” per the attached. Refer to Sheet “Restroom Specialty Locations for AD1.2” attached.

- V. Sheet D-ES101 – Partial Electrical Site Plan; Refer to attached Drawing Detail 4/D-ES101 for the typical new “Light Pole Foundation Detail”.

END OF ADDENDUM FOUR

SECTION 033510

INTERIOR CONCRETE FLOOR SEALER

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Single application cure-seal-hardener for new concrete floors.
- B. Precautions for avoiding staining concrete before and after application.

1.2 RELATED SECTIONS

- A. Section 033000 – Cast-In-Place Concrete

1.3 SUBMITTALS

- A. Submit under provisions of Section 013000.
- B. Material requirements for concrete to which cure-seal-hardener is to be applied, including cement type, water-cement ratio, type of trowel finish, limitations on admixtures, pigments, bonding agents, and bond breakers, etc.
- C. Product Data: Manufacturer's data sheets, including product specifications, test data, preparation instructions and recommendations, storage and handling requirements and recommendations, and installation methods.
- D. Maintenance instructions, including precautions for avoiding staining after application.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Applicator experienced with installation of product and certified by manufacturer, or applicator experienced with similar products and providing manufacturer's field technician on site to advise on application procedures; and providing adequate number of skilled workers trained and familiar with application requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver product in factory numbered and sealed drums, with numbers recorded for Owner's records.
- B. Store products in manufacturer's unopened drums until ready for installation.

1.6 PROJECT CONDITIONS

- A. No satisfactory procedures are available to remove petroleum or rust stains from concrete. Prevention is therefore essential. Take precautions to prevent staining of concrete prior to application of cure-seal-hardener and for minimum of three months after application:
 - 1. Prohibit parking of vehicles on concrete slab.
 - 2. If vehicles must be temporarily parked on slab, place drop cloths under vehicles during entire time parked.
 - 3. If construction equipment must be used for application, diaper all components that might drip oil, hydraulic fluid, or other liquids.
 - 4. Prohibit pipe cutting using pipe cutting machinery on concrete slab.
 - 5. Prohibit temporary placement and storage of steel members on concrete slab.

- B. Do not install products under environmental conditions outside manufacturer's absolute limits.
- C. Do not use frozen material; thaw and agitate prior to use.

1.7 WARRANTY

- A. Provide manufacturer's warranty that a structurally sound concrete surface prepared and treated according to the manufacturer's directions will remain permanently dustproof, hardened and water repellent. If after the specified sealing period the treated surface does not remain dustproof, hardened and water repellent, provide, at manufacturer's expense, sufficient material to reseal defective areas.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Ashford Formula, By Curecrete, which is located at: 1203 W. Spring Creek Pl. ; Springville, UT 84663; Toll Free Tel: 800-998-5664; Tel: 801-489-5663; Email: [request info \(sales@ashfordformula.com\)](mailto:request info (sales@ashfordformula.com)); Web: www.ashfordformula.com
- B. Substitutions: Other manufacturers meeting the requirements of this section are acceptable.
- C. Requests for substitutions will be considered in accordance with provisions of Section 016000.

2.2 MATERIALS

- A. Cure-Seal-Hardener: Ashford Formula; water-based chemically-reactive penetrating sealer and hardener, that seals by densifying concrete so that water molecules cannot pass through but air and water vapor can, while allowing concrete to achieve full compressive strength, minimizing surface crazing, and eliminating dusting.
 - 1. Colorless, transparent, odorless, non-toxic, non-flammable.
 - 2. Containing no solvents or volatile organic compounds.
 - 3. USDA approved for food handling facilities.
 - 4. Allowing traffic on floors within 2 to 3 hours, with chemical process complete within 3 months.
 - 5. No change to surface appearance except a sheen developed due to traffic and cleaning.
- B. Water: Clean, potable.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared and are suitable for application of product.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for

achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. If this is the applicator's first project using this product, provide the manufacturer's technical representative on-site to familiarize installers with proper procedures.
- C. Prevent damage to and soiling of adjacent work.
- D. New Concrete: Apply cure-seal-hardener to new concrete as soon as the concrete is firm enough to work on after troweling, except on colored concrete wait minimum of 30 days.
 - 1. Spray on at rate of 200 square feet per gallon (4.8 sq m/L).
 - 2. Keep surfaces wet with cure-seal-hardener for minimum soak-in period of 30 minutes, without allowing drying out or becoming slippery. In hot weather slipperiness may appear before the 30 minute time period has elapsed. If that occurs, apply more cure-seal-hardener as required to keep entire surface in a non-slippery state for the first 15 minutes. For the remaining 15 minutes, mist the surface as needed with water to keep the material in a non-slippery state.
 - 3. After this period, when treated surface becomes slippery lightly mist with water until slipperiness disappears.
 - 4. Wait for surface to become slippery again and then flush entire surface with water removing all residue of cure-seal-hardener.
 - 5. Squeegee surface completely dry, flushing any remaining slippery areas until no residue remains.
 - 6. Wet vacuum or scrubbing machines may be used to remove residue, provided manufacturer's instructions are followed.

3.4 PROTECTION

- A. Protect installed floors until chemical reaction process is complete; at least three months.
 - 1. Comply with precautions listed under PROJECT CONDITIONS.
 - 2. Clean floor regularly in accordance with manufacturer's recommendations because water will accelerate the sealing and scrubbing will impart a shine.
 - 3. Clean up spills immediately and spot-treat stains with good degreaser or oil emulsifier.
- B. Precautions and cleaning are the responsibility of the General Contractor until Substantial Completion.

END OF SECTION

SECTION 095113

SUSPENDED ACOUSTICAL CEILINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Suspended metal grid ceiling system.
- B. Acoustical units.

1.02 REFERENCES

- A. ASTM C 635 - Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings; 1997.
- B. ASTM C 636 - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels; 1996.
- C. ASTM E 580 - Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Moderate Seismic Restraint; 1996.
- D. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition.

1.02 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on suspension system components.
- C. Samples: Submit two samples 6 x 6 inch in size illustrating material and finish of acoustical units.
- D. Samples: Submit two samples each, 12 inches long, of suspension system main runner.

1.03 QUALITY ASSURANCE

- A. Installer shall be a company specializing in the installation of suspended acoustical ceilings with a minimum of three years documented experience.

1.04 ENVIRONMENTAL REQUIREMENTS

- A. Maintain uniform temperature of minimum 60 degrees F, and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

1.05 PROJECT CONDITIONS

- A. Sequence work to ensure acoustical ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.
- B. Install acoustical units after interior wet work is dry.

1.06 EXTRA MATERIALS

- A. See Section 016000 - Product Requirements, for additional provisions.
- B. Provide 5 percent of total acoustical unit area of each type of acoustical unit for Tulsa Public Schools' use in maintenance of project.

PART 2 PRODUCTS

2.01 ACOUSTICAL UNITS

A. Manufacturers:

1. Armstrong World Industries, Inc or CertainTeed
 - a. Classrooms, Halls, Offices & Cafeterias (ACS-1): 2' x 4' Armstrong #1729 Humiguard Plus- Fine fissured with BioBlock paint on face and back of panels; 2 x 4 CertainTeed HHF-197, High Humidity, Fine-fissured with BioShield paint on face and back of panel. Color: White
 - b. Gymnasiums and designated high abuse areas (ACS-2): 2' x 4' Armstrong #860 Armatuff or #862 where plans indicate fire rated is required; 2 x 4 CertainTeed PSB-197 (Fire-rated). Color: White
 - c. Libraries (ACS-3): 2' x 2' Armstrong #1910 Humiguard-Plus, Ultima/very fine texture with BioBlock paint on face and back of panels; 2 x 2 CertainTeed #1222-OVT-1-Symphony NRC-.65 - .70 x 5/8". Color: White.
 - d. Kitchens, Restrooms & Classroom Toilet Rooms (ACS-4): 2' x 4' Armstrong #605 Ceramaguard with BioBlock/BioShield & Humiguard-Max; 2 x 4 or CertainTeed Vinylrock 1140-CRF-1 (Fire-rated) or 1100-CRF-1 (Non-perforated) BioBlock/BioShield & Humiguard. Color: White
2. No Substitutions: See Section 01600 - Product Requirements.

B. Acoustical Panels: ASTM E 1264 Type III, Painted mineral fiber, conforming to the following:

1. Size: 24 x 24 inches, or 24 x 48 inches.
2. Thickness: 5/8 inches.
3. Composition: Wet felted.
4. Density: 1.0 lb/cu ft.
5. NRC Range: 0.55 to 0.65.
6. Edge: Square.
7. Surface Color: White.
8. Surface Pattern: Non-directional fissured.

2.02 SUSPENSION SYSTEM(S)

A. Manufacturers:

1. Armstrong World Industries, Inc.
2. Chicago Metallic Corp.
3. CertainTeed
4. Substitutions: See Section 016000 - Product Requirements.

B. Suspension Systems - General: ASTM C 635; die cut and interlocking components, with stabilizer bars, clips, splices, perimeter moldings, and hold down clips as required.

1. Profile: Tee; 15/16 wide face.
2. Construction: Double web, Hot dipped galvanized.
3. Finish: white over galvanized substrate.

C. Match Acoustical Tile Manufacturer with same grid manufacturer to obtain 15-year warranty. 15/16" Grid System. Color: White.

2.03 ACCESSORIES

- A. Support Channels and Hangers: Galvanized steel; size and type to suit application, seismic requirements, and ceiling system flatness requirement specified.
- B. Perimeter Moldings: Same material and finish as grid.
 1. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.
- C. Touch-up Paint: Type and color to match acoustical and grid units.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

- A. Install suspension system in accordance with ASTM C 636, ASTM E 580, and manufacturer's instructions and as supplemented in this section.
- B. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1:360.
- C. Locate system on room axis according to reflected ceiling plan.
- D. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.
- E. Provide hanger clips during steel deck erection. Provide additional hangers and inserts as required.
- F. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.
- G. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.
- H. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.
- I. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components independently.
- J. Do not eccentrically load system or induce rotation of runners.
- K. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.
 - 1. Use longest practical lengths.
 - 2. Overlap and rivet corners.
- L. Form expansion joints as detailed. Form to accommodate plus or minus 1 inch movement. Maintain visual closure.

3.03 INSTALLATION - ACOUSTICAL UNITS

- A. Install acoustical units in accordance with manufacturer's instructions.
- B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.
- C. Fit border trim neatly against abutting surfaces.
- D. Install units after above-ceiling work is complete.
- E. Install acoustical units level, in uniform plane, and free from twist, warp, and dents.
- F. Cutting Acoustical Units:
 - 1. Cut to fit irregular grid and perimeter edge trim.
 - 2. Make field cut edges of same profile as factory edges.
 - 3. Double cut and field paint exposed reveal edges.

- G. Install hold-down clips on panels within 20 ft of an exterior door.

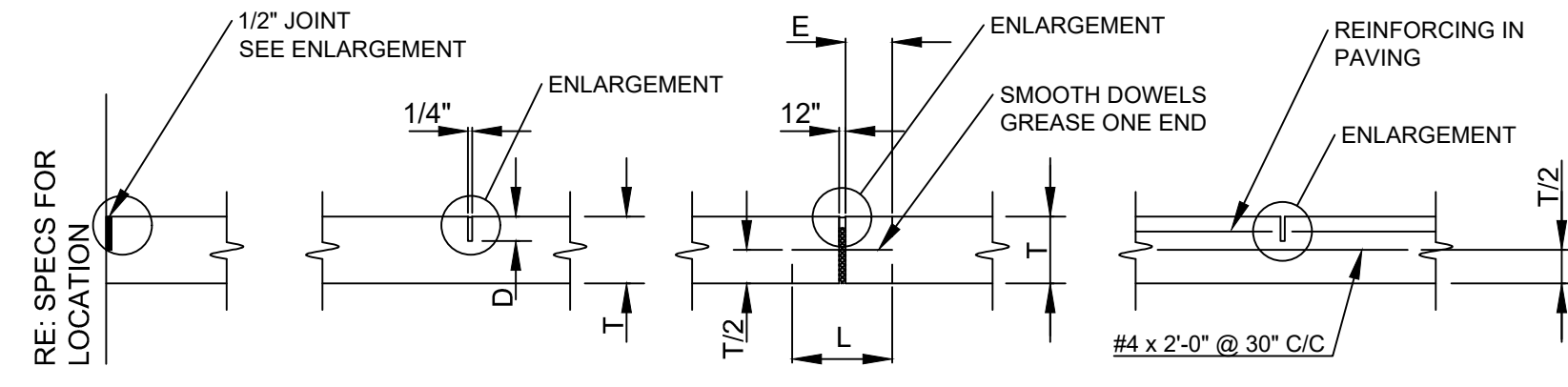
3.04 ERECTION TOLERANCES

- A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.
- B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

3.05 SCHEDULE

- A. See Room Finish Schedule.

END OF SECTION



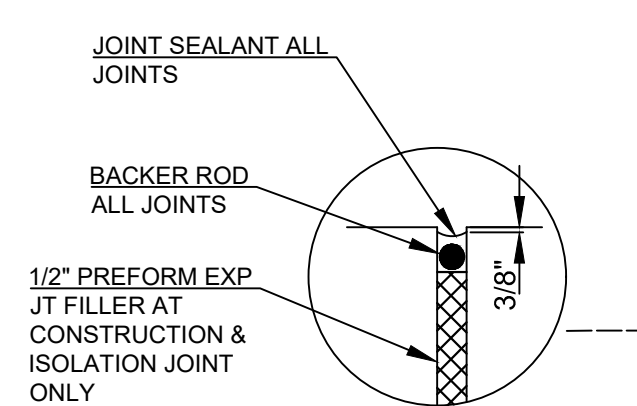
ISOLATION JOINT (IJ) SAWCUT JOINT (SJ) CONSTRUCTION JOINT (CJ) TIED JOINT (TJ)

JOINTS NOT SHOWN OTHERWISE SHALL BE SAW JOINTS. SAW JOINTS SHALL BE MADE WITHIN 10 HOURS AFTER CONCRETE POUR.

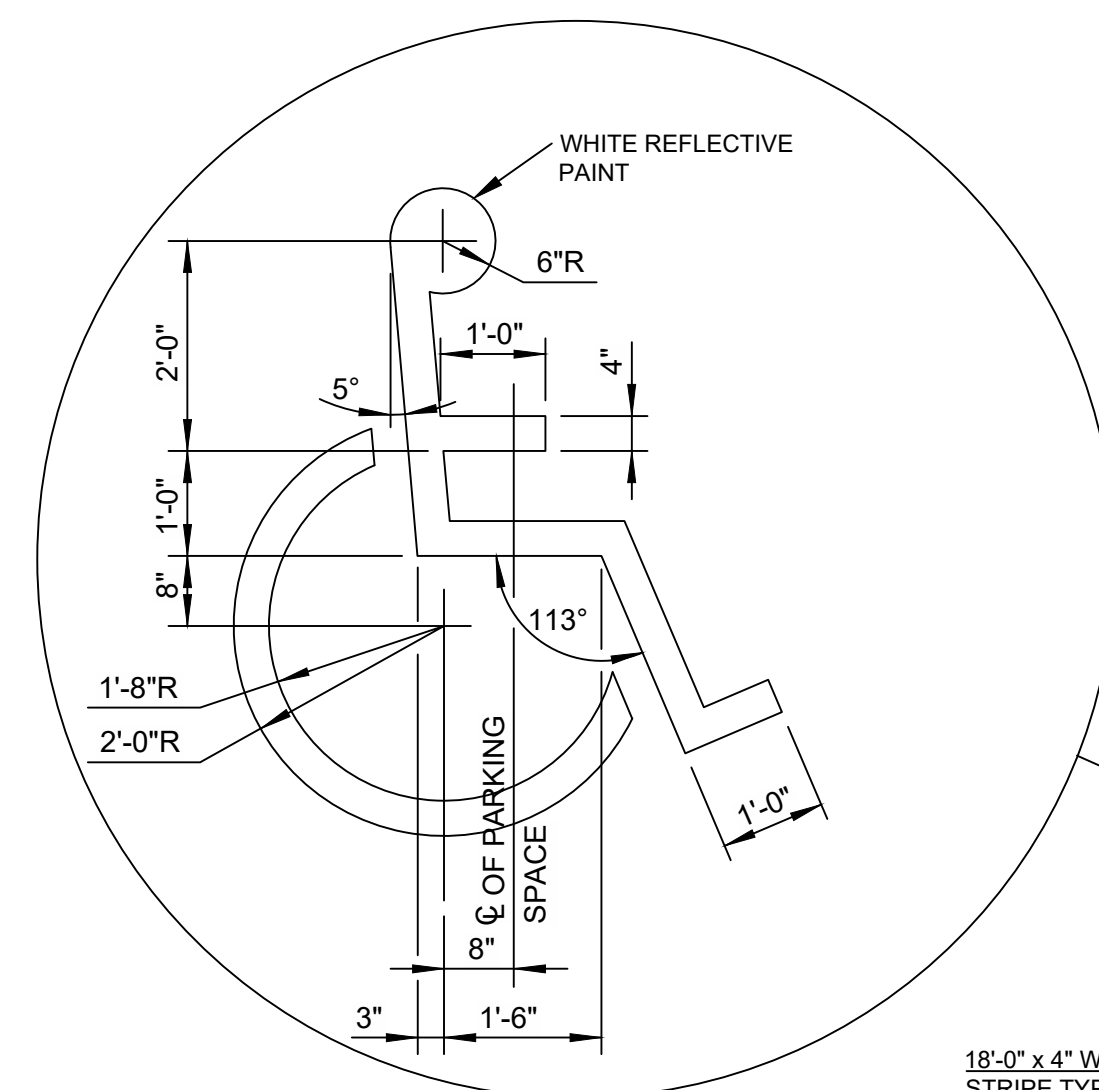
CONCRETE PAVING JOINT SPACING SEE SCHEDULE

ALL DOWELS & BARS TO BE EPOXY COATED

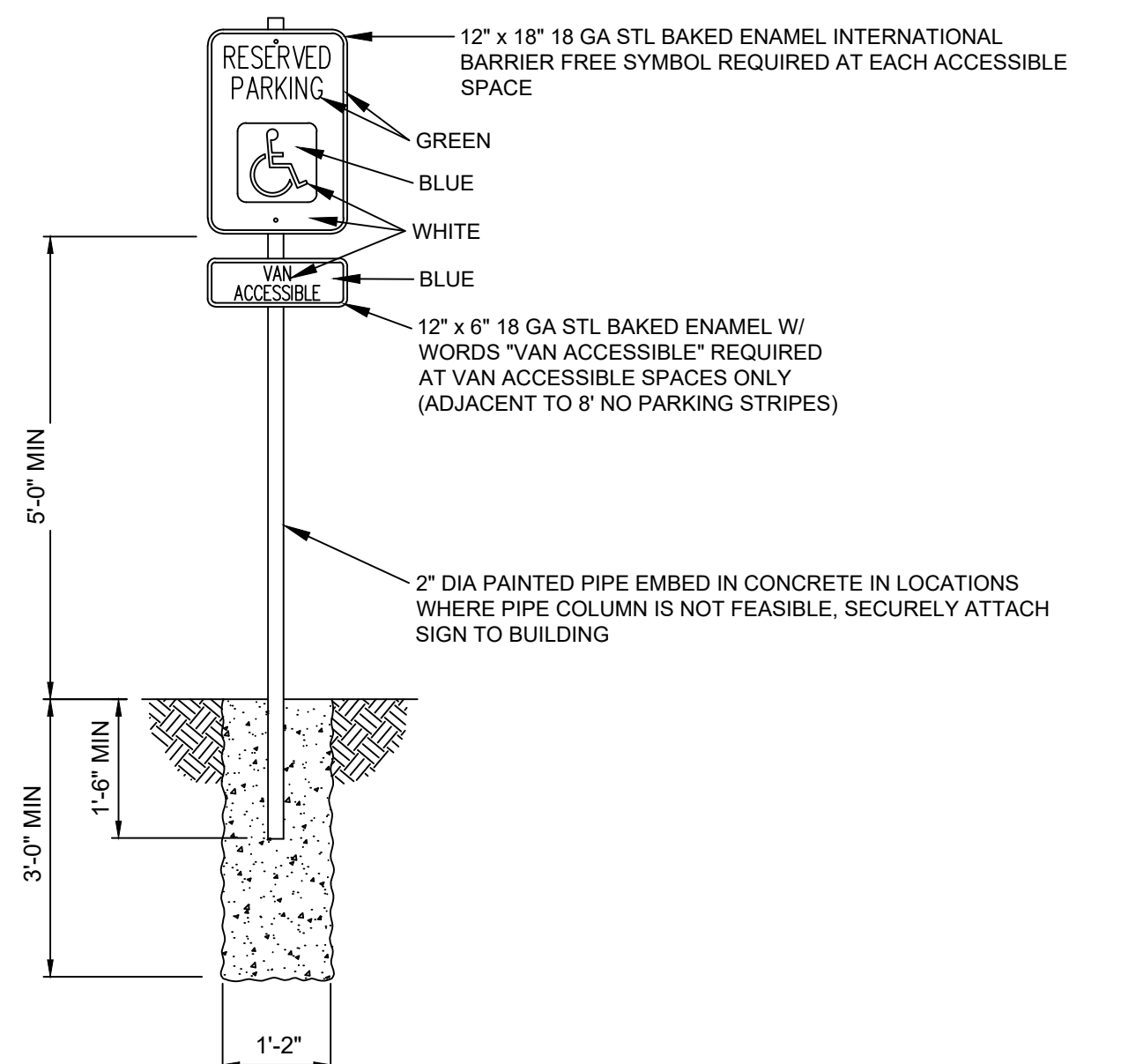
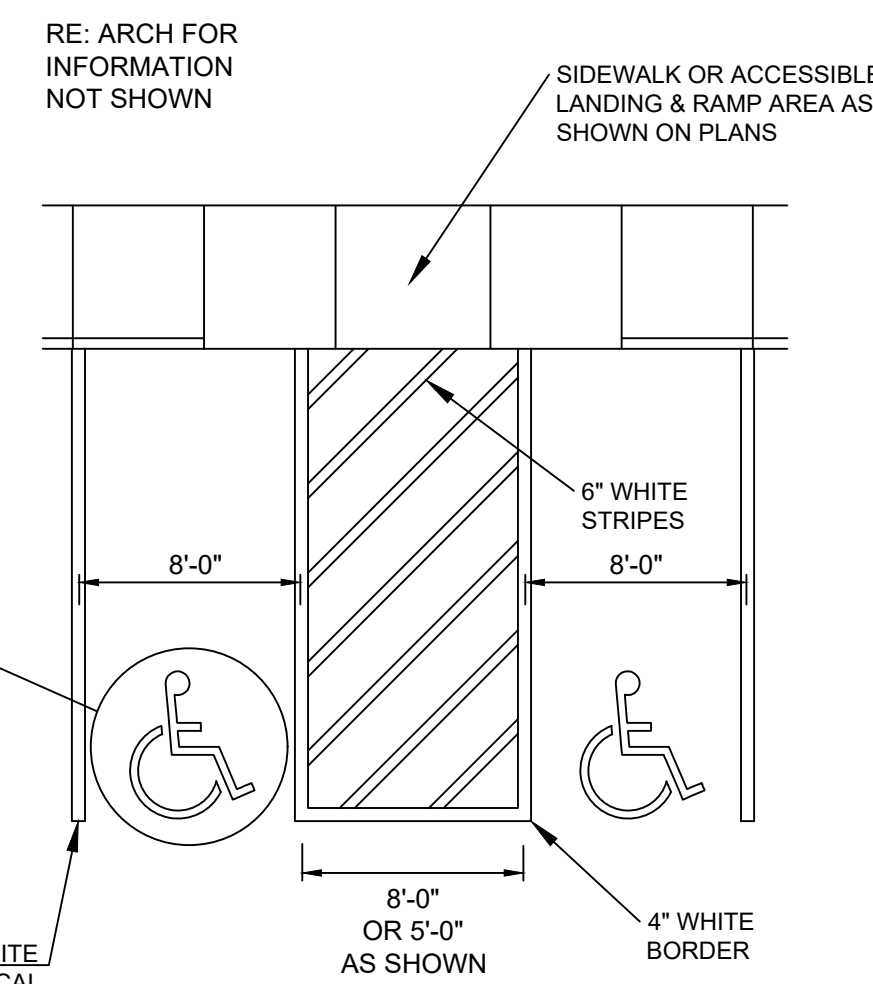
"T" PAVEMENT THICKNESS	DOWEL DIAMETER @ 12" C/C	"L" LENGTH	"E" EMBEDMENT	"D" SAWCUT DEPTH	MAX JOINT SPACING
5"	---	---	---	1 1/4"	12.5"
6"	3/4"	14"	6"	1 1/2"	15"
7"	7/8"	14"	6"	1 3/4"	15"
8"	1"	14"	6"	2"	15"



ENLARGEMENT

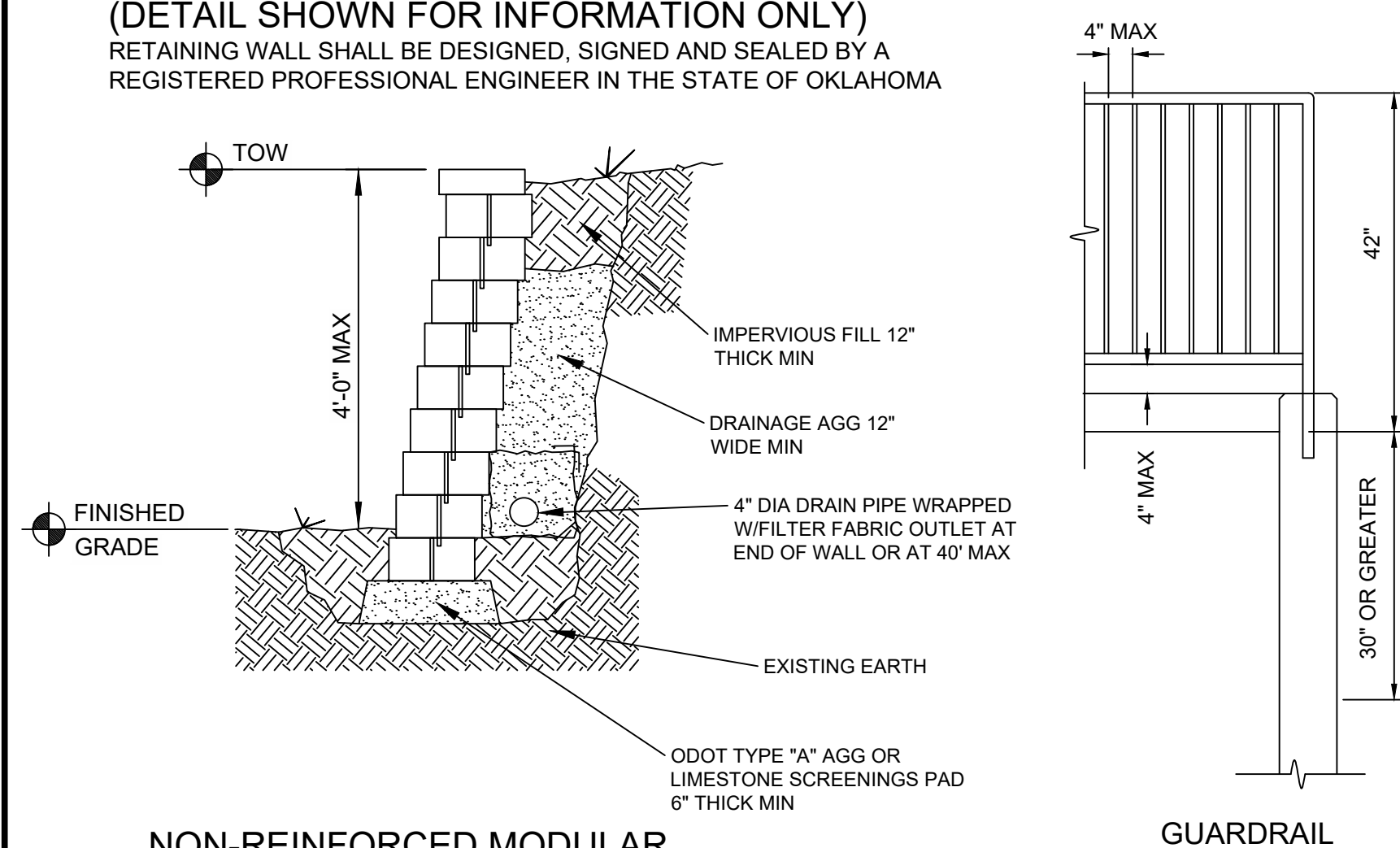


2 ACCESSIBLE STRIPING SCALE: NTS

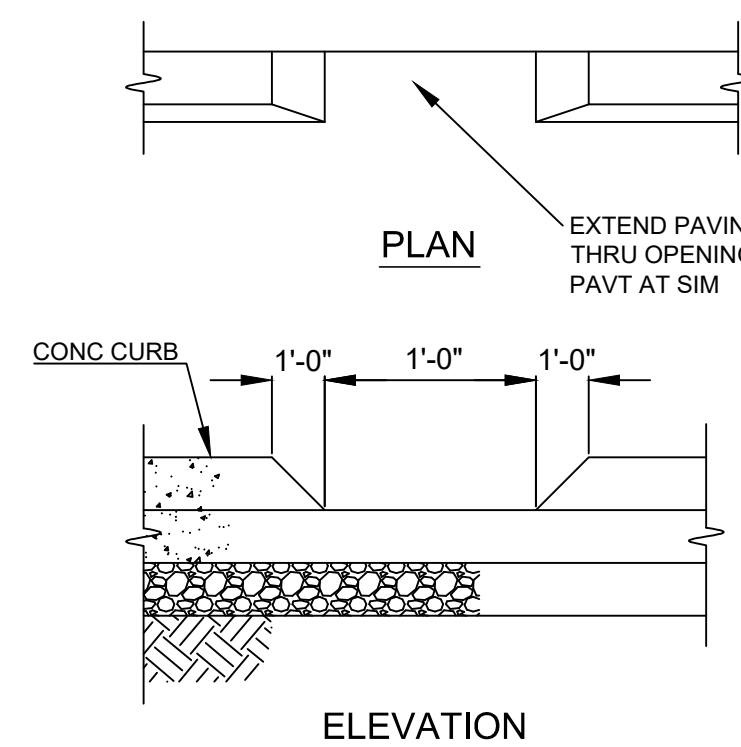


3 ACCESSIBLE SIGNAGE SCALE: NTS

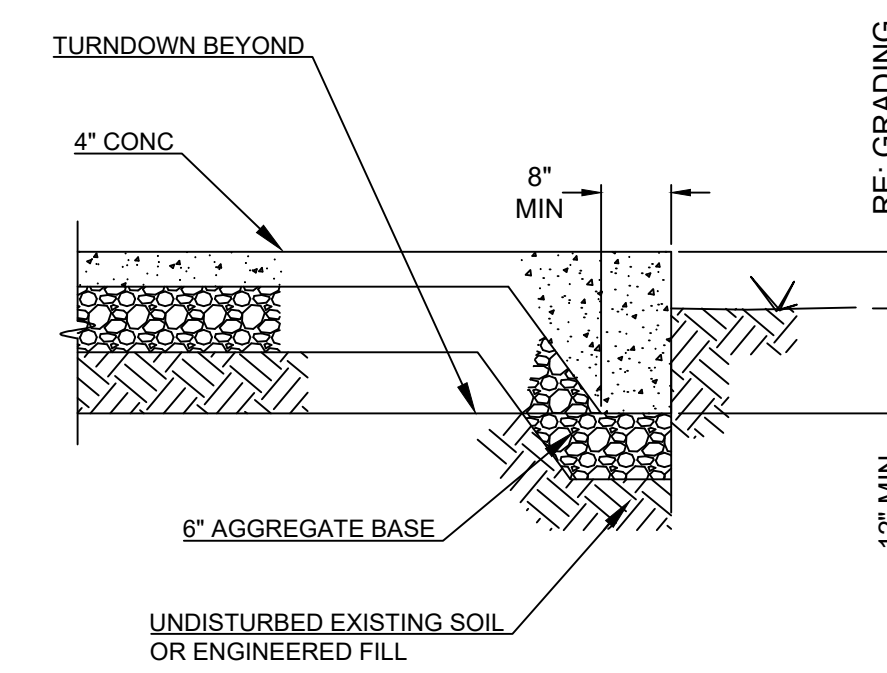
NOTE: MODULAR BLOCK RETAINING WALL SHALL BE DESIGNED BY MANUFACTURER VERSALOK OR APPROVED EQUAL.
(DETAIL SHOWN FOR INFORMATION ONLY)
RETAINING WALL SHALL BE DESIGNED, SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF OKLAHOMA



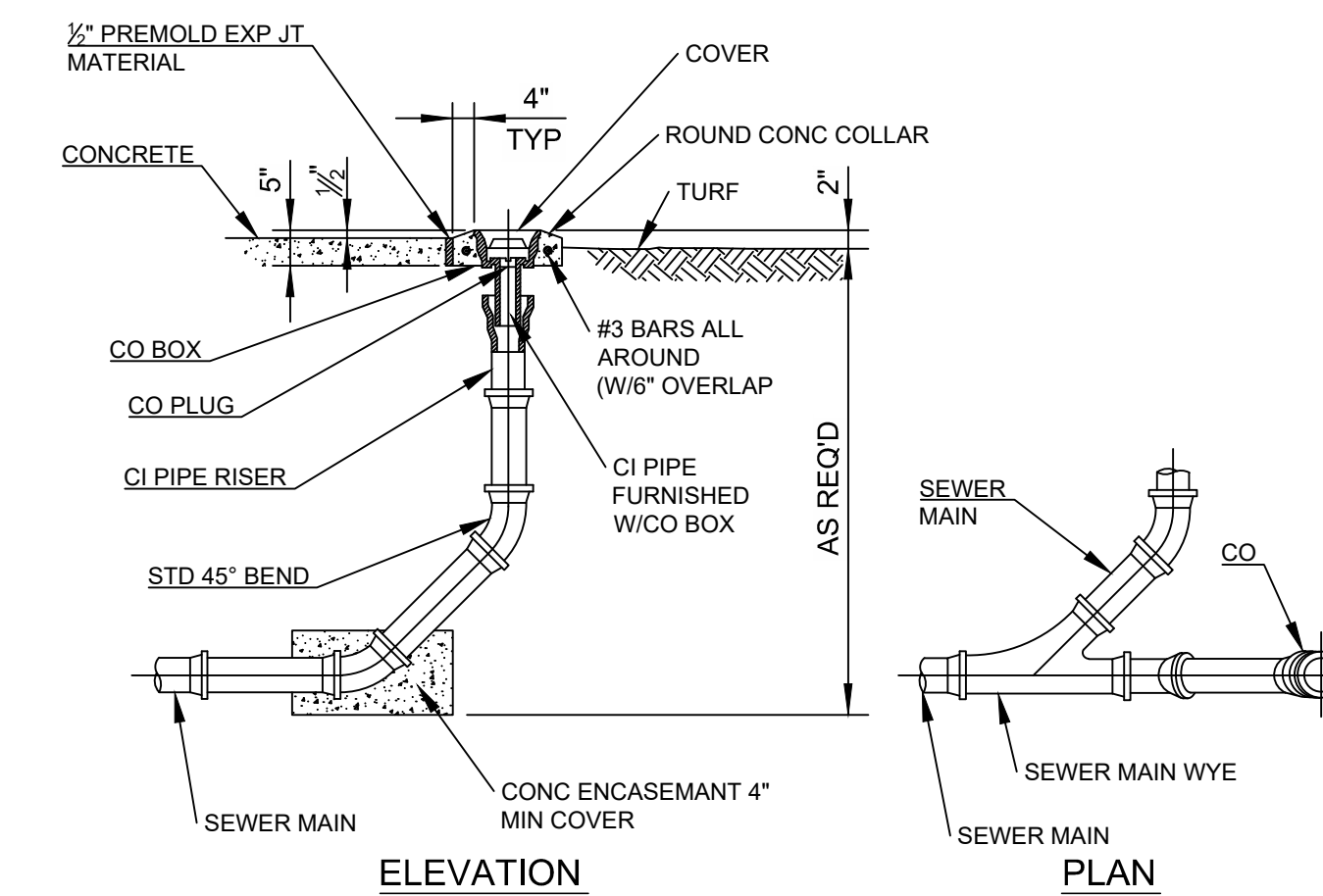
4 NON-REINFORCED MODULAR BLOCK RETAINING WALL AND GUARDRAIL SCALE: NTS



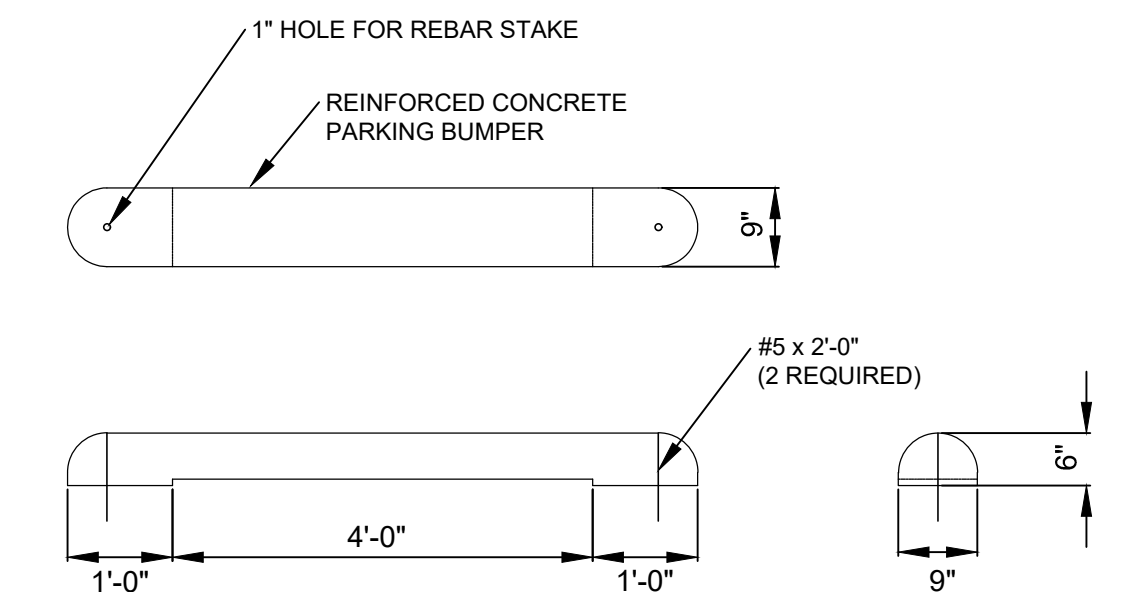
5 CURB CUT DRAIN SCALE: NTS



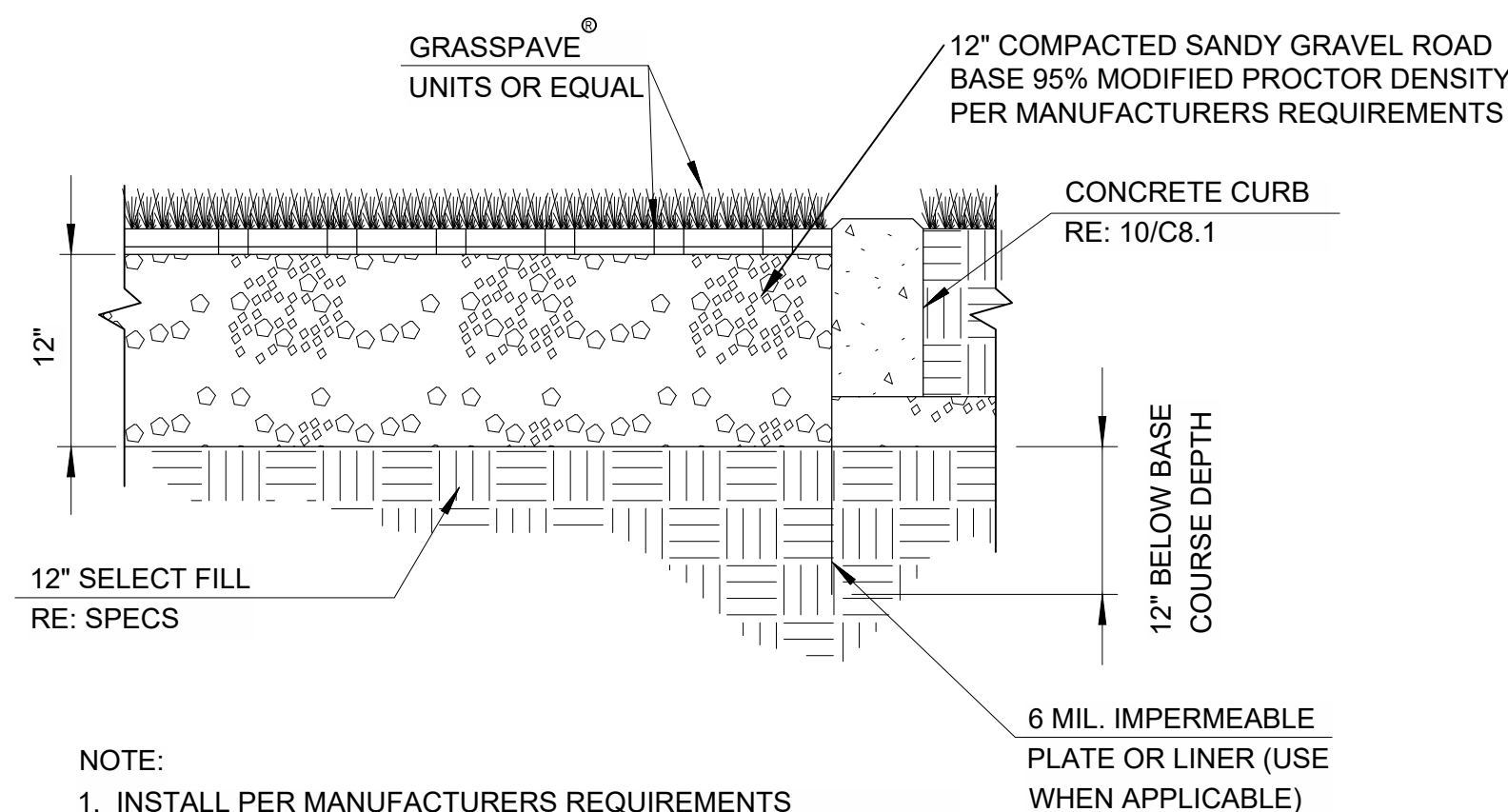
6 CONCRETE TURNDOWN SCALE: NTS



7 CLEANOUT SCALE: NTS

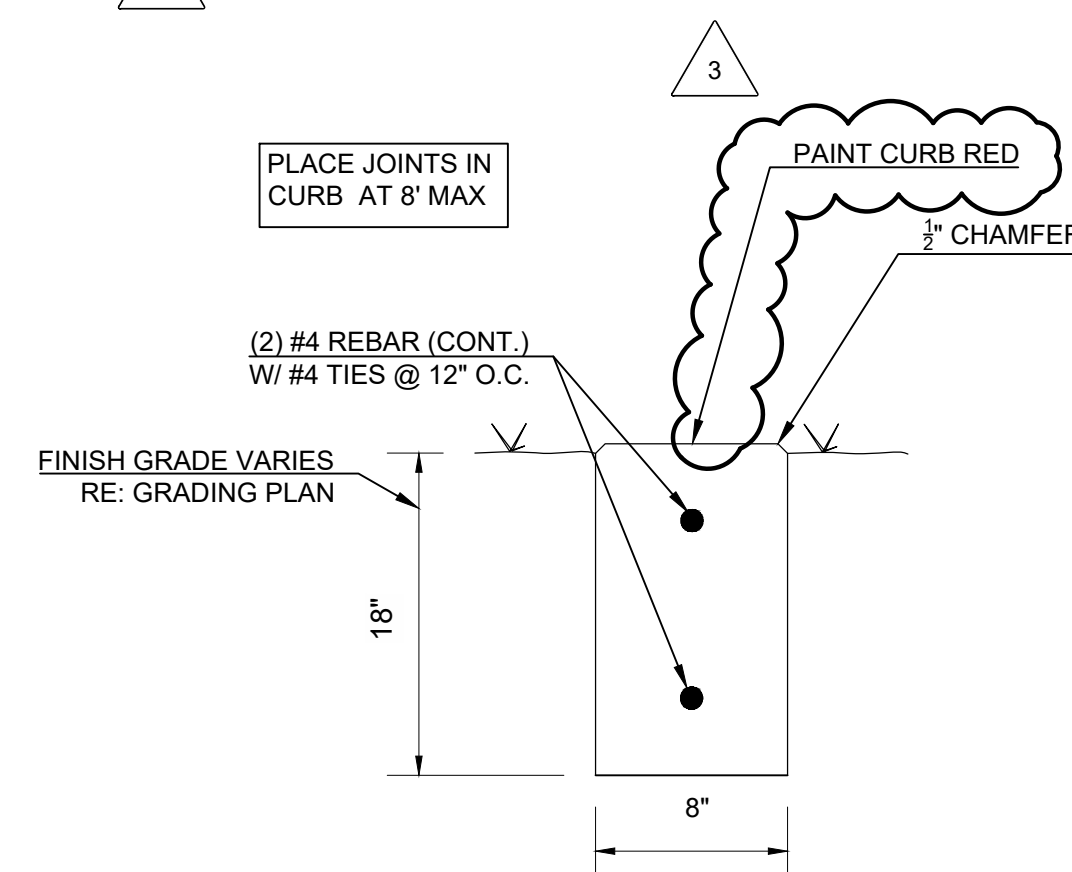


8 PARKING BUMPER SCALE: NTS

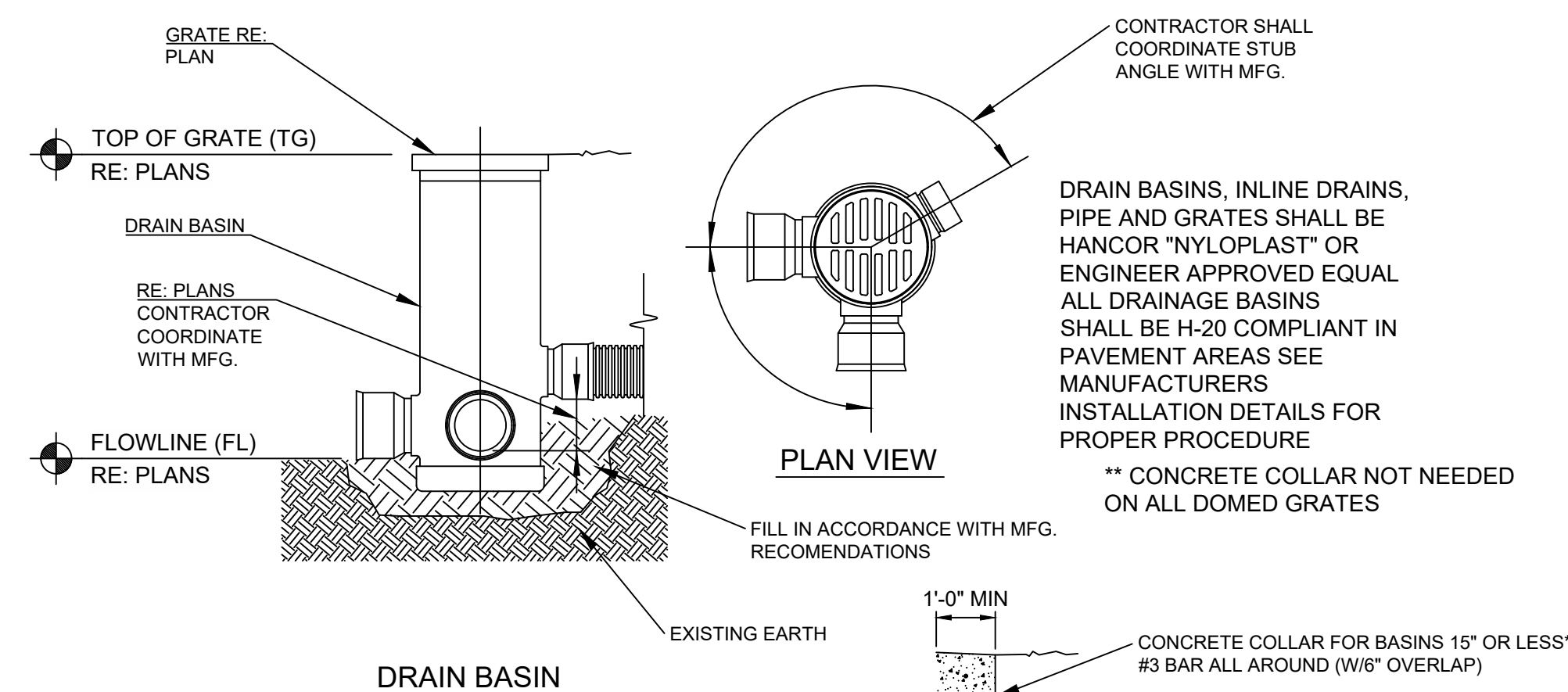


NOTE:
1. INSTALL PER MANUFACTURERS REQUIREMENTS
2. COMPACTED SUBGRADE, 95% MODIFIED PROCTOR DENSITY
3. REFER TO LANDSCAPE FOR SOD REQUIREMENTS

9 GRASSPAVE® (OR EQUAL) AT CONCRETE EDGE SCALE: NTS



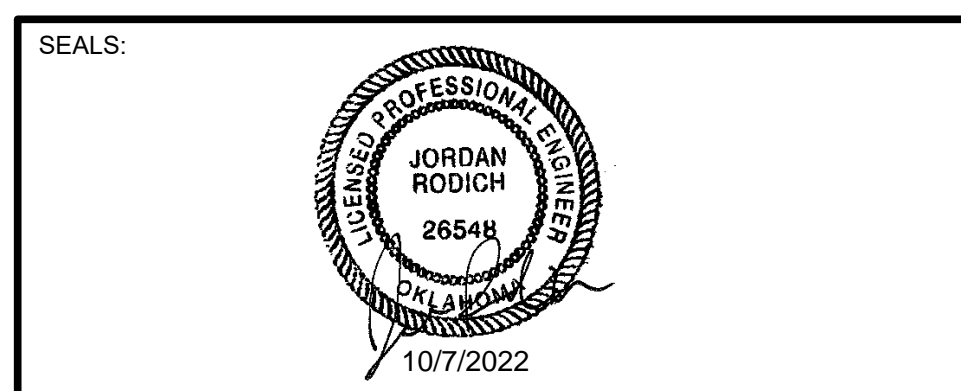
10 CONCRETE CURB AT FIRE LANE PERIMETER SCALE: NTS



11 INTEGRATED DRAIN BASIN SYSTEM SCALE: NTS

GSHELMS & ASSOCIATES, LLC ARCHITECTURAL CERTIFICATE OF AUTHORITY NUMBER: 02332

100% CONSTRUCTION DOCUMENTS	6/14/2022
1 ADDENDUM 2	9/1/2022
2 ADDENDUM 3	10/5/2022
3 ADDENDUM 4	10/7/2022
# REVISION	DATE



PROJECT NO.:	21-030000
FILE:	C8.1
ISSUE DATE:	6.14.22
SCALE:	AS NOTED
DRAWN BY:	JE
CHECKED BY:	JR
APPROVED BY:	JR

ARCHITECT:
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424 e. main st.
jenks, ok 74037

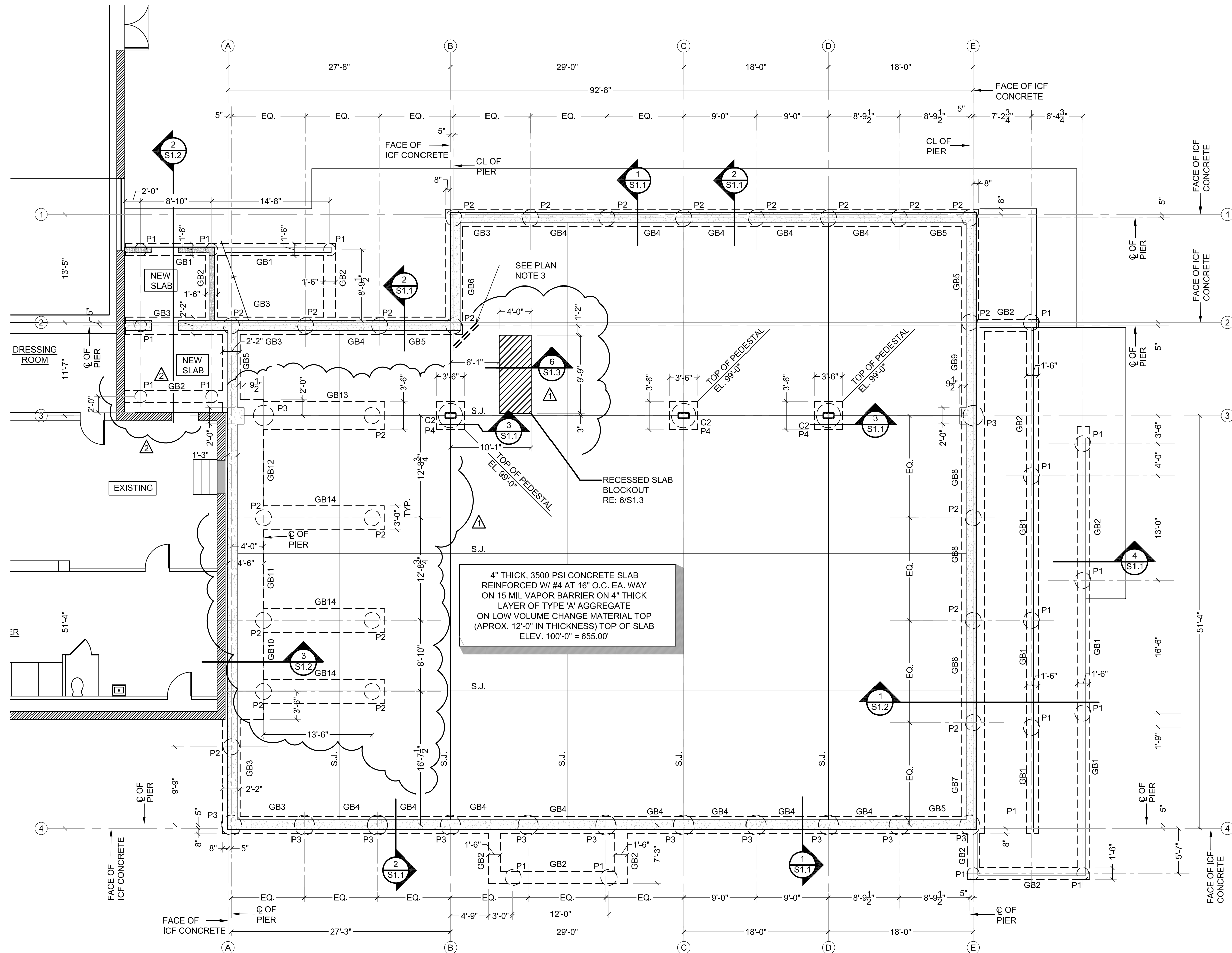
wallace design collective, pc
structural-civil-landscape survey
123 north martin luther king jr boulevard
tulsa, oklahoma 74103
775.554.5555 ext: 400.354.5555

PROJECT TITLE: TULSA PUBLIC SCHOOLS
WEBSTER HIGH SCHOOL - 2021 BOND PROJECTS
BAND ROOM & GREEN HOUSE ADDITIONS
1919 WEST 40TH STREET, TULSA, OK
SHEET TITLE: DETAILS

SHEET NUMBER:
C8.1

OKLAHOMA CA #1460 EXP DATE: 6/30/23

GSHELMS & ASSOCIATES, LLC ARCHITECTURAL CERTIFICATE OF AUTHORITY NUMBER: 02332



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



GRADE BEAM SCHEDULE				
MARK	SIZE (B x D)	REINFORCEMENT	BAR TYPE	
			CL PIER	CL PIER
GB1	18 x 36	3 - #6 TOP 3 - #6 BOTTOM		2 AT 10" EQ. END, BAL AT 10" O.C.
GB2	18 x 36	3 - #6 TOP 3 - #6 BOTTOM		2 AT 10" EQ. END, BAL AT 10" O.C.
GB3	26 x 36	5 - #8 TOP 5 - #8 BOTTOM		2 AT 10" EQ. END, BAL AT 10" O.C.
GB4	26 x 36	5 - #8 TOP 5 - #8 BOTTOM		2 AT 10" EQ. END, BAL AT 10" O.C.
GB5	26 x 36	5 - #8 TOP 5 - #8 BOTTOM		2 AT 10" EQ. END, BAL AT 10" O.C.
GB6	26 x 36	5 - #8 TOP 5 - #8 BOTTOM		2 AT 10" EQ. END, BAL AT 10" O.C.
GB7	35 x 36	7 - #8 TOP 7 - #8 BOTTOM		2 AT 10" EQ. END, BAL AT 16" O.C.
GB8	35 x 36	7 - #8 TOP 7 - #8 BOTTOM		2 AT 10" EQ. END, BAL AT 16" O.C.
GB9	35 x 36	7 - #8 TOP 7 - #8 BOTTOM		2 AT 10" EQ. END, BAL AT 16" O.C.
GB10	54 x 36	10 - #8 TOP 2 - #6 SIDES 10 - #8 BOTTOM		2 AT 10" EQ. END, BAL AT 16" O.C.
GB11	54 x 36	10 - #8 TOP 2 - #6 SIDES 10 - #8 BOTTOM		2 AT 10" EQ. END, BAL AT 16" O.C.
GB12	54 x 36	10 - #8 TOP 2 - #6 SIDES 10 - #8 BOTTOM		2 AT 10" EQ. END, BAL AT 16" O.C.
GB13	42 x 36	8 - #8 TOP 2 - #6 SIDES 8 - #8 BOTTOM		6 AT 3" AT CANTI, END, BAL AT 10" O.C.
GB14	36 x 36	8 - #8 TOP 2 - #6 SIDES 7 - #8 BOTTOM		6 AT 3" AT CANTI, END, BAL AT 10" O.C.

DRILLED PIER SCHEDULE			
MARK	SHAFT DIAMETER	REINFORCEMENT	
P1	18"	5 - #6 VERT., #3 TIES AT 12" O.C.	2'-0" INTO STRATUM
P2	24"	6 - #7 VERT., #3 TIES AT 14" O.C.	2'-0" INTO STRATUM
P3	30"	6 - #7 VERT., #3 TIES AT 16" O.C.	2'-0" INTO STRATUM
P4	36"	7 - #8 VERT., #3 TIES AT 16" O.C.	5'-0" INTO STRATUM

1. PIERS TO REBAR INTO GRAY MODERATELY HARD TO HARD, SHALE BEDROCK APPROXIMATELY 18'-6" BELOW GRADE.

FOUNDATION & SLAB NOTES	
1.	S.J. ON PLAN INDICATES 3/16" WIDE x 1" DEEP SAWED JOINT.
2.	SAW CUTTING OF SLAB JOINTS TO OCCUR WITHIN 12 HOURS AFTER SLAB POUR.
3.	INDICATES 2-#4 4'-0" RE-ENTRANT BARS WITHIN SLAB.
4.	PROVIDE #4x5'-0" RE-ENTRANT BARS WITHIN SLAB AT PLUMBING PIPE PENETRATIONS THRU SLAB.
5.	CONTRACTOR TO PLACE AND MONITOR LOW VOLUME CHANGE MATERIAL PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS.
6.	TOP 30" OF SOIL AT GRADE IS TO BE REMOVED AND REPLACED WITH LOW VOLUME CHANGE MATERIAL.

CONTRACTOR TO PROVIDE SHORING OF CONCRETE STEM WALLS DURING CONSTRUCTION. SHORING IS TO BE DESIGNED BY A PROFESSIONAL ENGINEER WITH DESIGN SUBMITTED FOR REVIEW / CONFORMANCE.

0	CONSTRUCTION DOCUMENTS ISSUE FOR BIDDING	06.16.22
1	ADDENDUM #3	10.05.22
2	ADDENDUM #4	10.07.22
#	REVISION	DATE

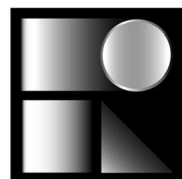


PROJECT NO.:	21-03000
FILE:	
ISSUE DATE:	06.16.22
SCALE:	AS NOTED
DRAWN BY:	
CHECKED BY:	GSH
APPROVED BY:	GSH

ARCHITECT:

GS HELMS + ASSOCIATES

ph: 918.298.7257 424 e. main st.
wb: gshelms.com jenkins, ok 74037



RICHARDS & ASSOCIATES, INC.
424 EAST MAIN STREET JENKS, OK
405.627.9584 FAX 918.355.9309
C.A. #4458 EXP. DATE 06.30.23

PROJECT TITLE: TULSA PUBLIC SCHOOLS
WEBSTER HIGH SCHOOL - 2021 BOND PROJECTS
BAND ROOM & GREEN HOUSE ADDITIONS
W/ SITE IMPROVEMENTS
1919 WEST 40TH STREET, TULSA, OK

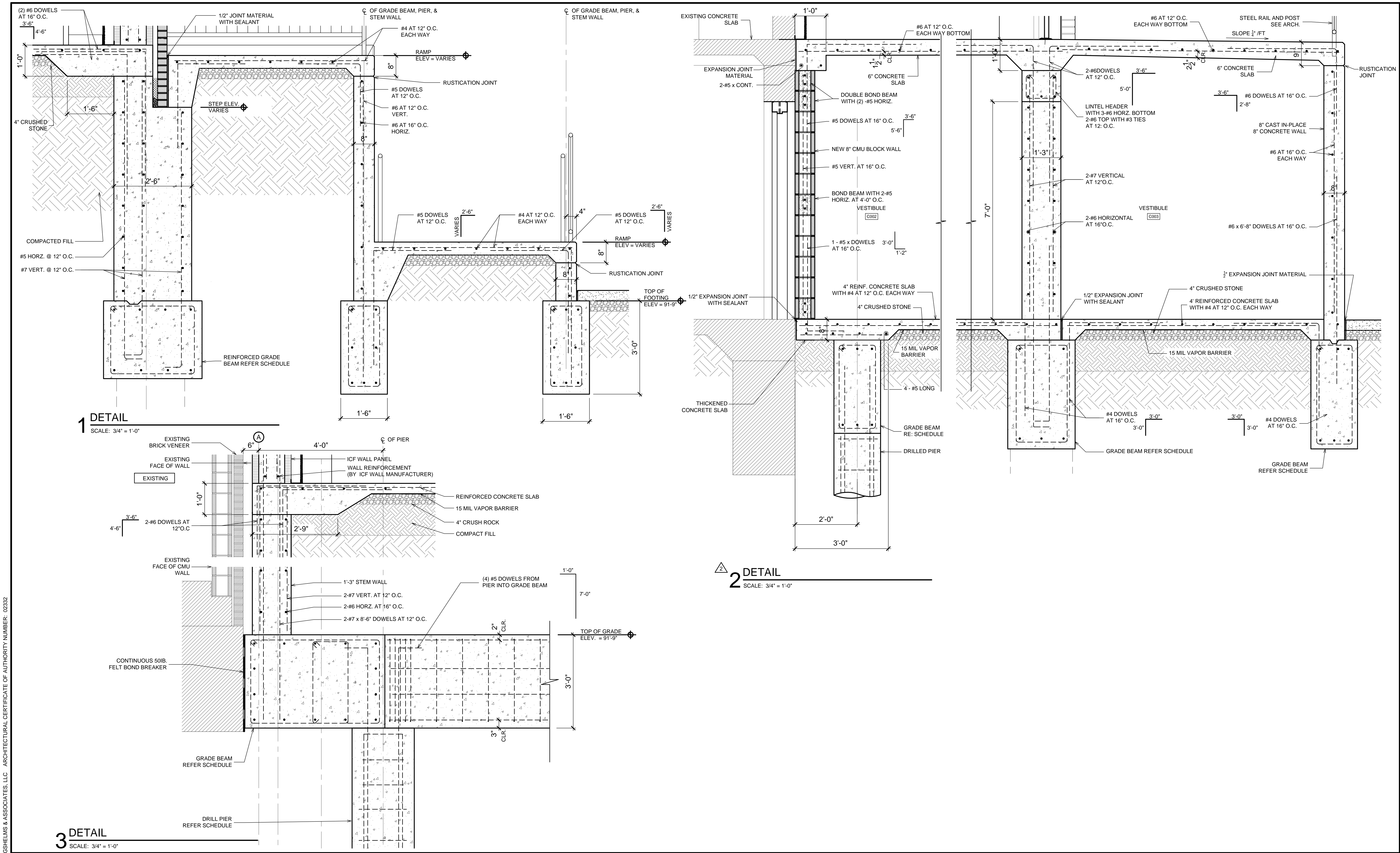
SHEET TITLE:

FOUNDATION PLAN
BAND ROOM ADDITION BLDG. C

SHEET NUMBER:

S1.0

GSHELMS & ASSOCIATES, LLC ARCHITECTURAL CERTIFICATE OF AUTHORITY NUMBER 02332



0	CONSTRUCTION DOCUMENTS ISSUE FOR BIDDING	06.16.22
1	ADDENDUM #3	10.05.22
2	ADDENDUM #4	10.07.22
#	REVISION	DATE



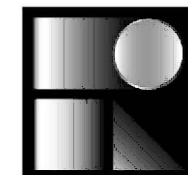
PROJECT NO.:	21-03000
FILE:	AC5.1
ISSUE DATE:	06.16.22
SCALE:	AS NOTED
DRAWN BY:	
CHECKED BY:	GSH
APPROVED BY:	GSH

ARCHITECT:



ph: 918.298.7257
wb: gshelms.com

424 e. main st.
jenks, ok 74037



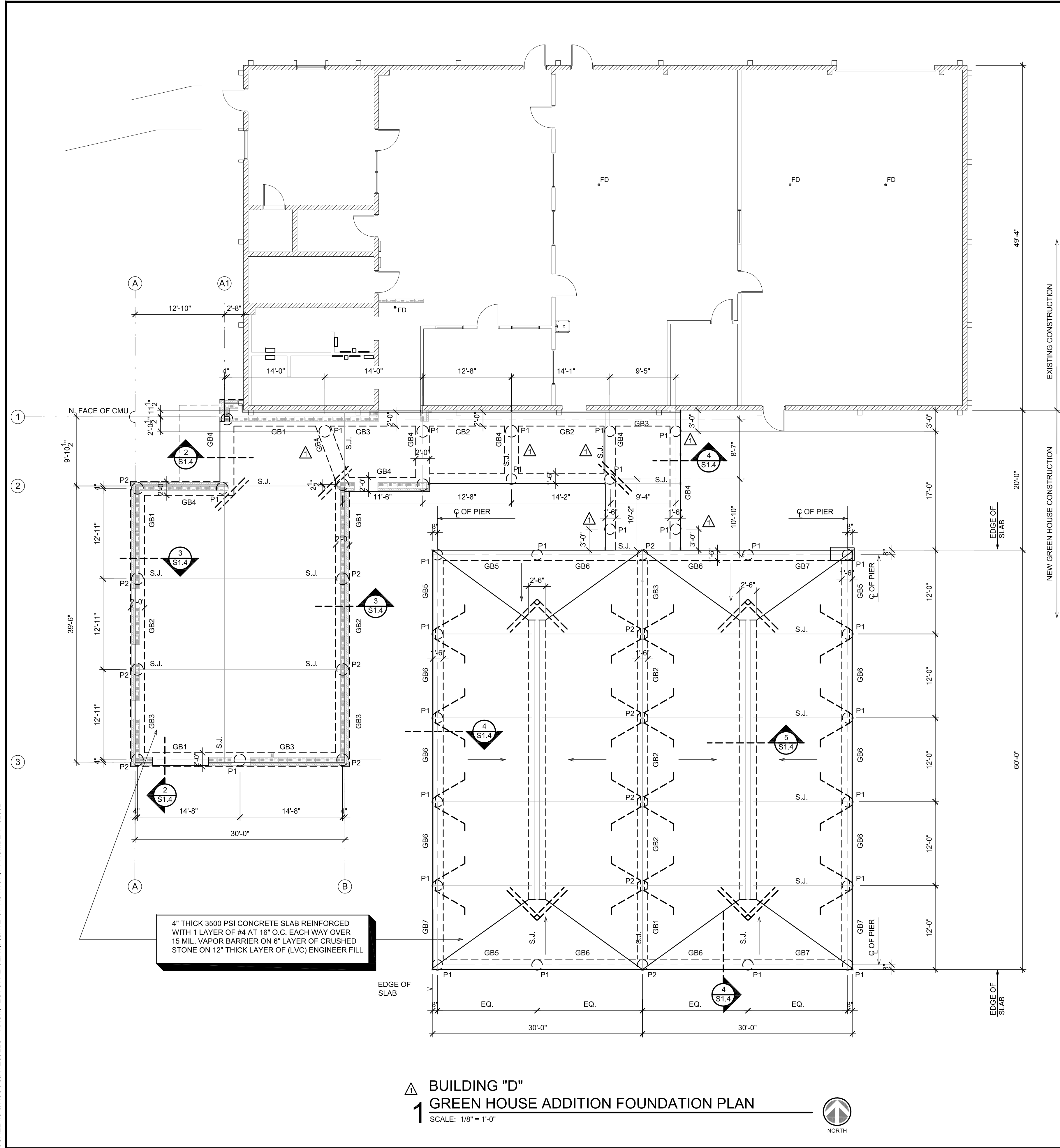
**RICHARDSON &
ASSOCIATES, INC.**
424 E. MAIN STREET, JENKS, OK 74037
C.A.# 49685, M.B.D.# 1336, 96.24.23

PROJECT TITLE: TULSA PUBLIC SCHOOLS
**WEBSTER HIGH SCHOOL - 2021 BOND PROJECTS
BAND ROOM & GREEN HOUSE ADDITIONS
W/ SITE IMPROVEMENTS**
1919 WEST 40TH STREET, TULSA, OK

SHEET TITLE:
**DETAILS
BAND ROOM ADDITION - BUILDING "C"**

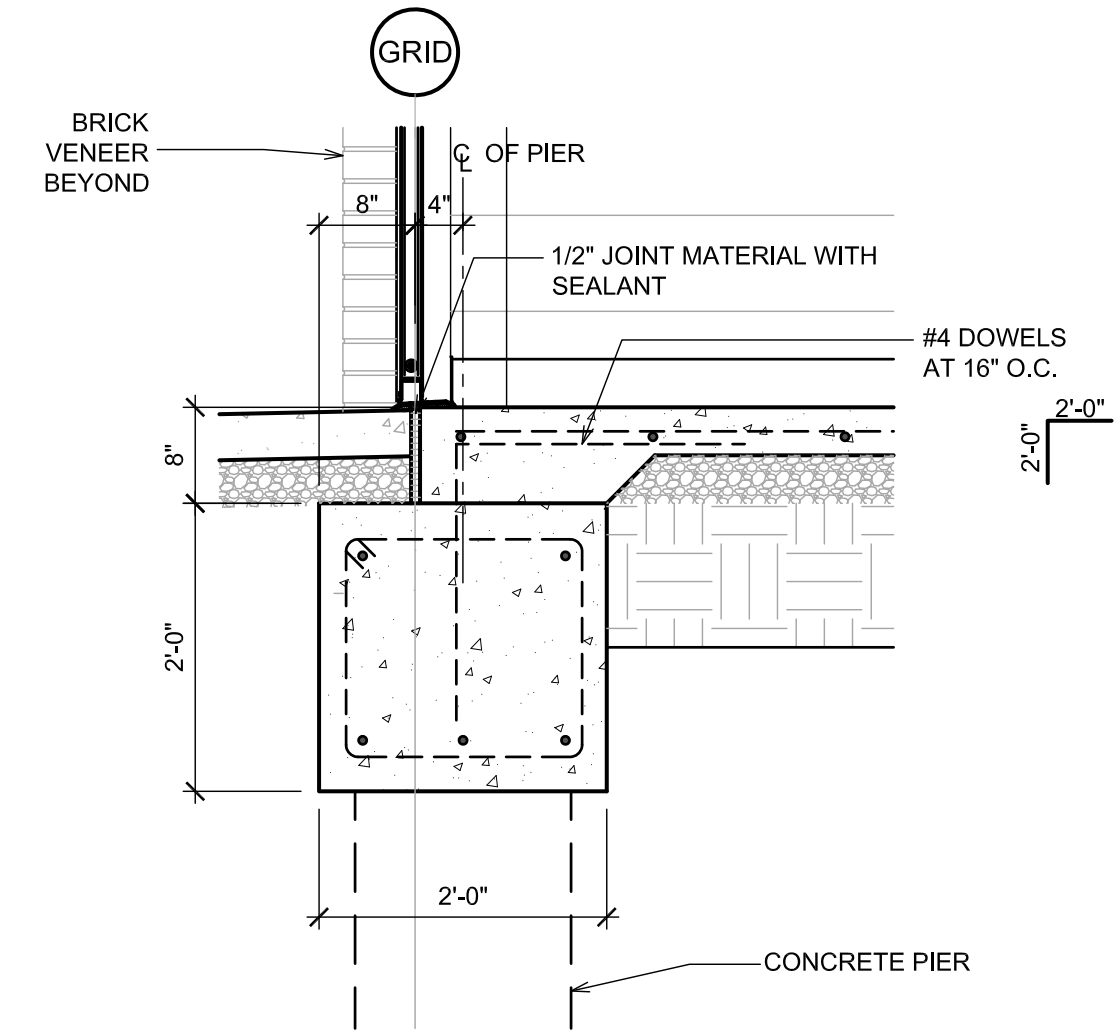
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S1.2

GSHELMS & ASSOCIATES, LLC ARCHITECTURAL CERTIFICATE OF AUTHORITY NUMBER: 02332

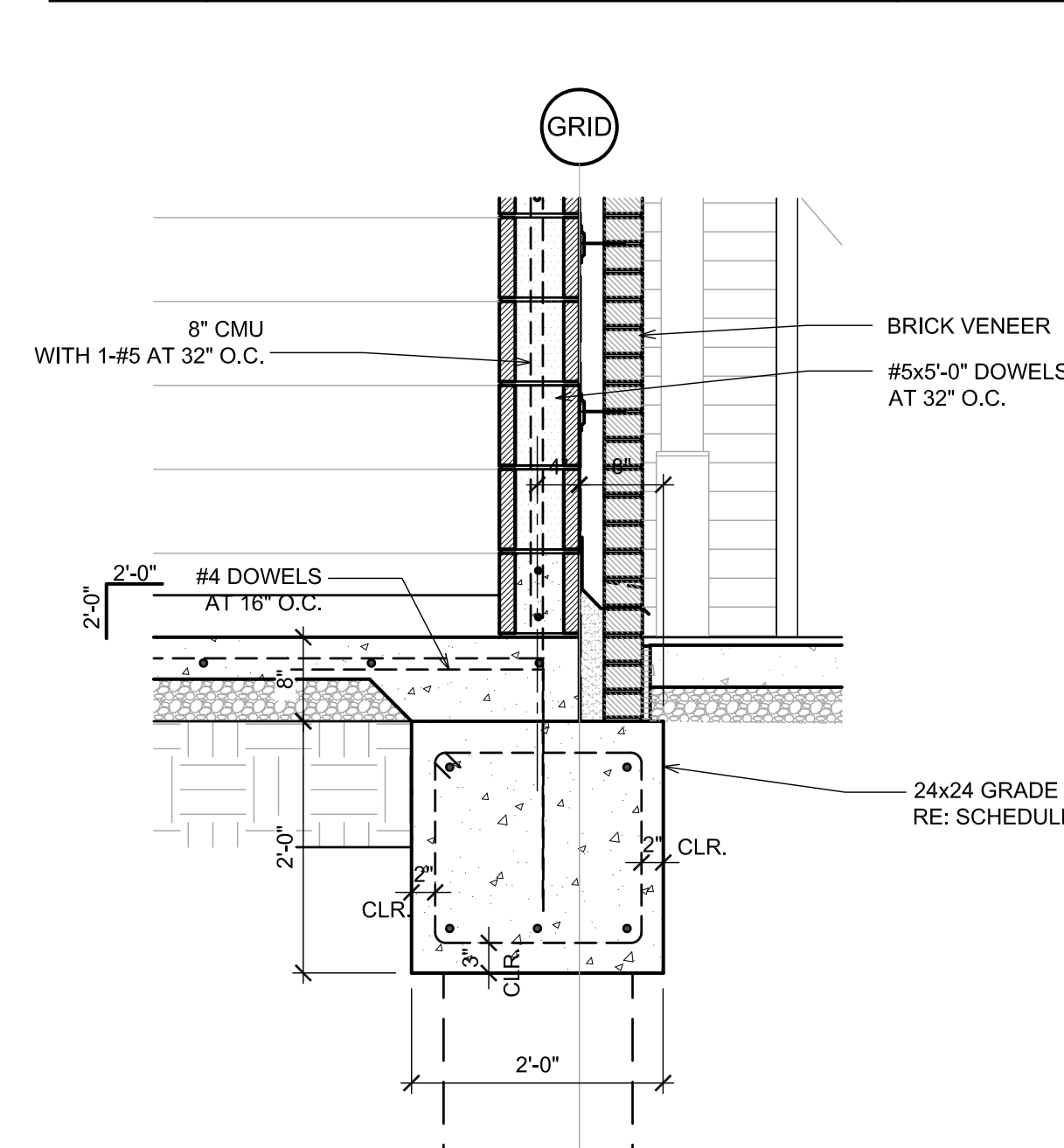


GRADE BEAM SCHEDULE				
MARK	SIZE (BxD)	REINFORCEMENT	BAR TYPE	STIRRUPS
			☐ PIER	
GB1	24" X 24"	4-#6 TOP 4-#6 BOTTOM		2 AT 10" EACH END, BAL. AT 16" O.C.
GB2	24" X 24"	4-#6 TOP 4-#6 BOTTOM		2 AT 10" EACH END, BAL. AT 16" O.C.
GB3	24" X 24"	4-#6 TOP 4-#6 BOTTOM		2 AT 10" EACH END, BAL. AT 16" O.C.
GB4	24" X 24"	4-#6 TOP 4-#6 BOTTOM		2 AT 10" EACH END, BAL. AT 16" O.C.
GB5	18" X 24"	3-#6 TOP 3-#6 BOTTOM		2 AT 10" EACH END, BAL. AT 16" O.C.
GB6	18" X 24"	3-#6 TOP 3-#6 BOTTOM		2 AT 10" EACH END, BAL. AT 16" O.C.
GB7	18" X 24"	3-#6 TOP 3-#6 BOTTOM		2 AT 10" EACH END, BAL. AT 16" O.C.
GB8	18" X 24"	3-#6 TOP 3-#6 BOTTOM		2 AT 10" EACH END, BAL. AT 16" O.C.

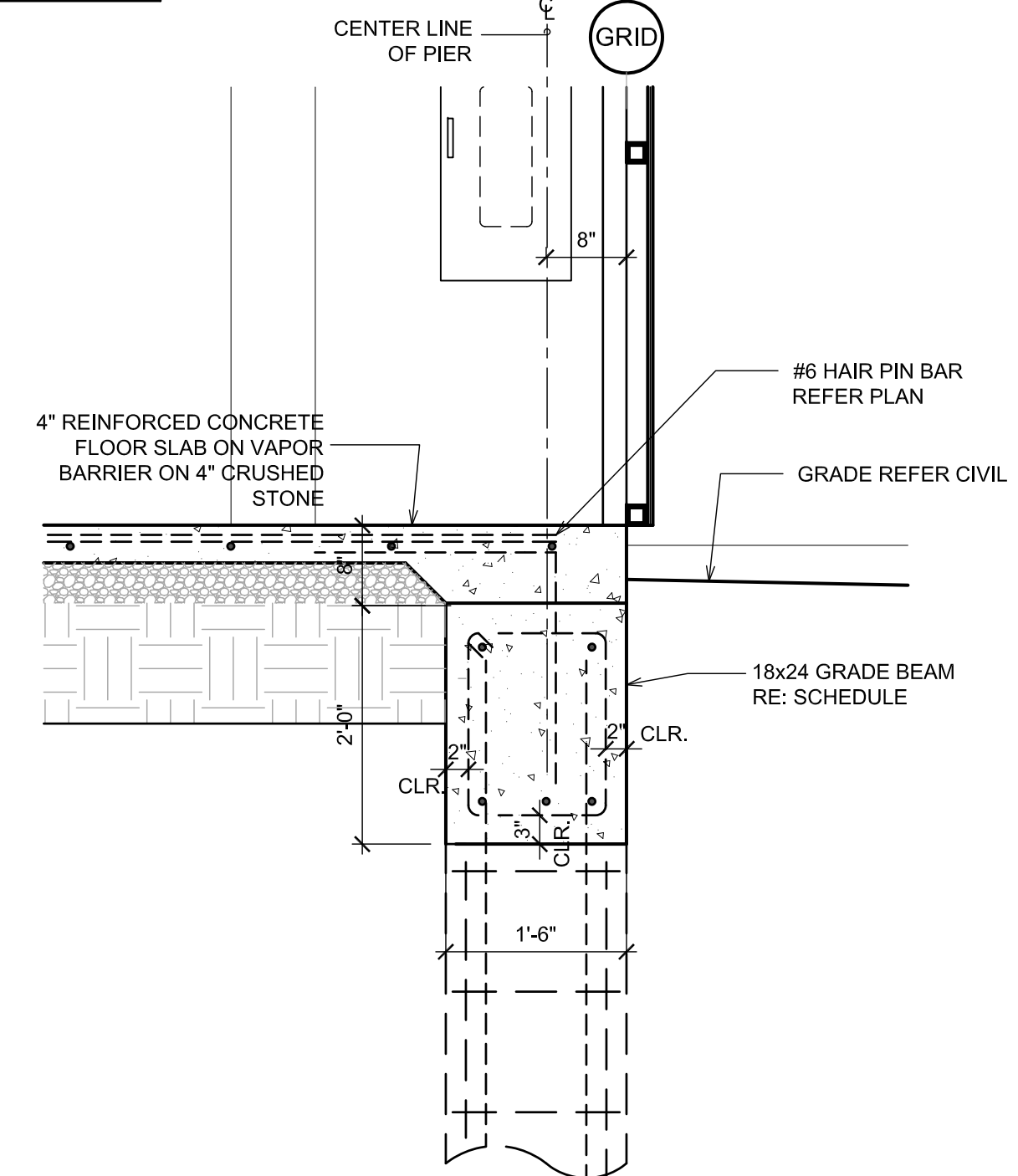
DRILLED PIER SCHEDULE			
MARK	SHAFT DIAMETER	REINFORCEMENT	
P1	18"	5 - #6 VERTICAL, #3 TIES AT 12" O.C.	2'-0" INTO STRATUM
P2	20"	5 - #6 VERTICAL, #3 TIES AT 14" O.C.	2'-0" INTO STRATUM



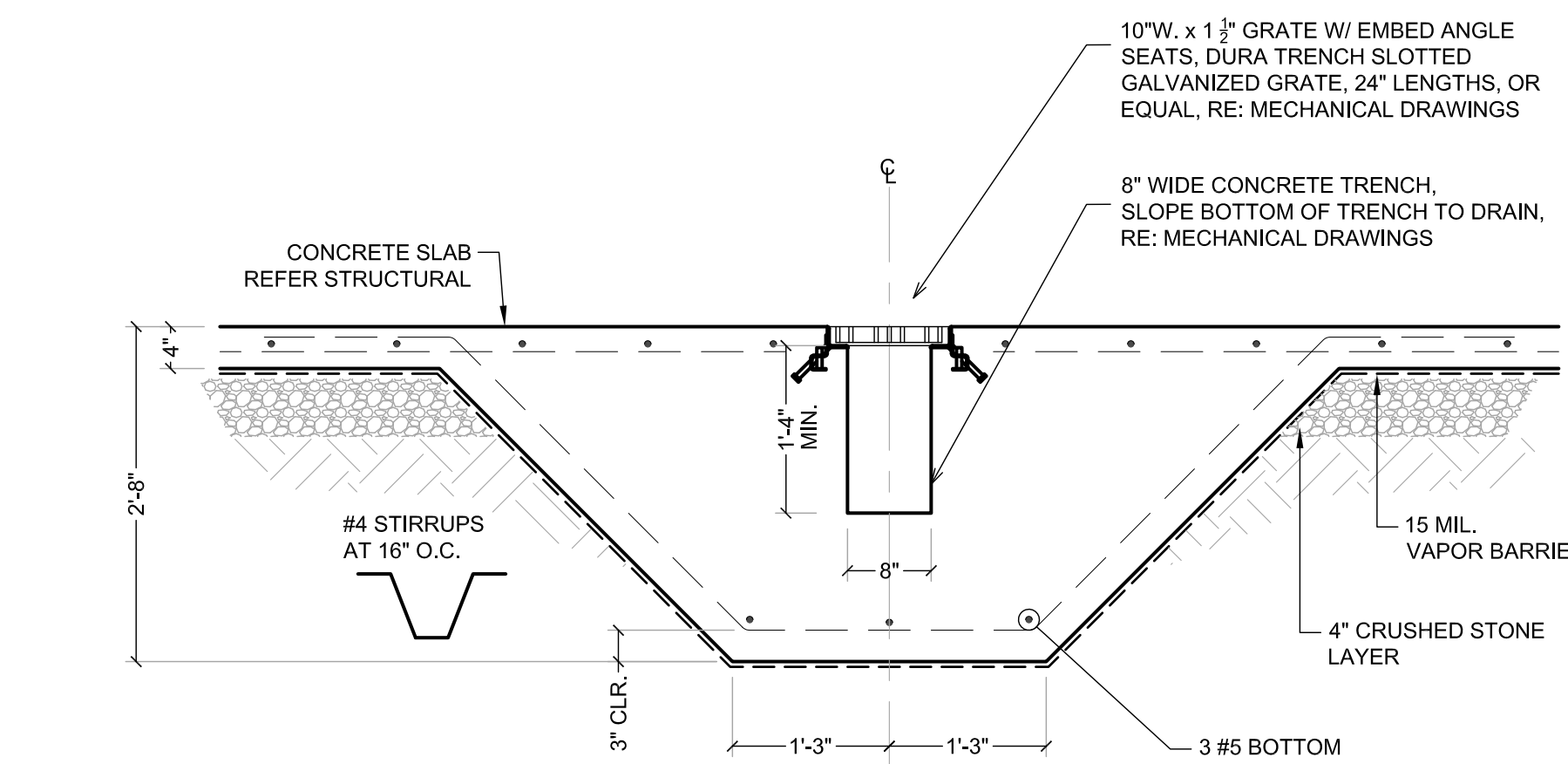
2 DETAIL BLDG "D"
SCALE: 3/4" = 1'-0"



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



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



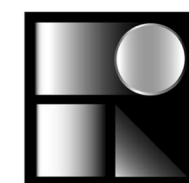
5 TRENCH DRAIN SECTION
SCALE: 1 1/2" = 1'-0"

0	CONSTRUCTION DOCUMENTS ISSUE FOR BIDDING	06.16.22
1	ADDENDUM #4	10.07.22
#	REVISION	DATE



PROJECT NO.:	21-03000
FILE:	S1.4
ISSUE DATE:	06.16.22
SCALE:	AS NOTED
DRAWN BY:	
CHECKED BY:	GSH
APPROVED BY:	GSH

ARCHITECT:
GSHELMS & ASSOCIATES
ph: 918.298.7257 424 e. main st.
wb: gshelms.com jenkins, ok 74037

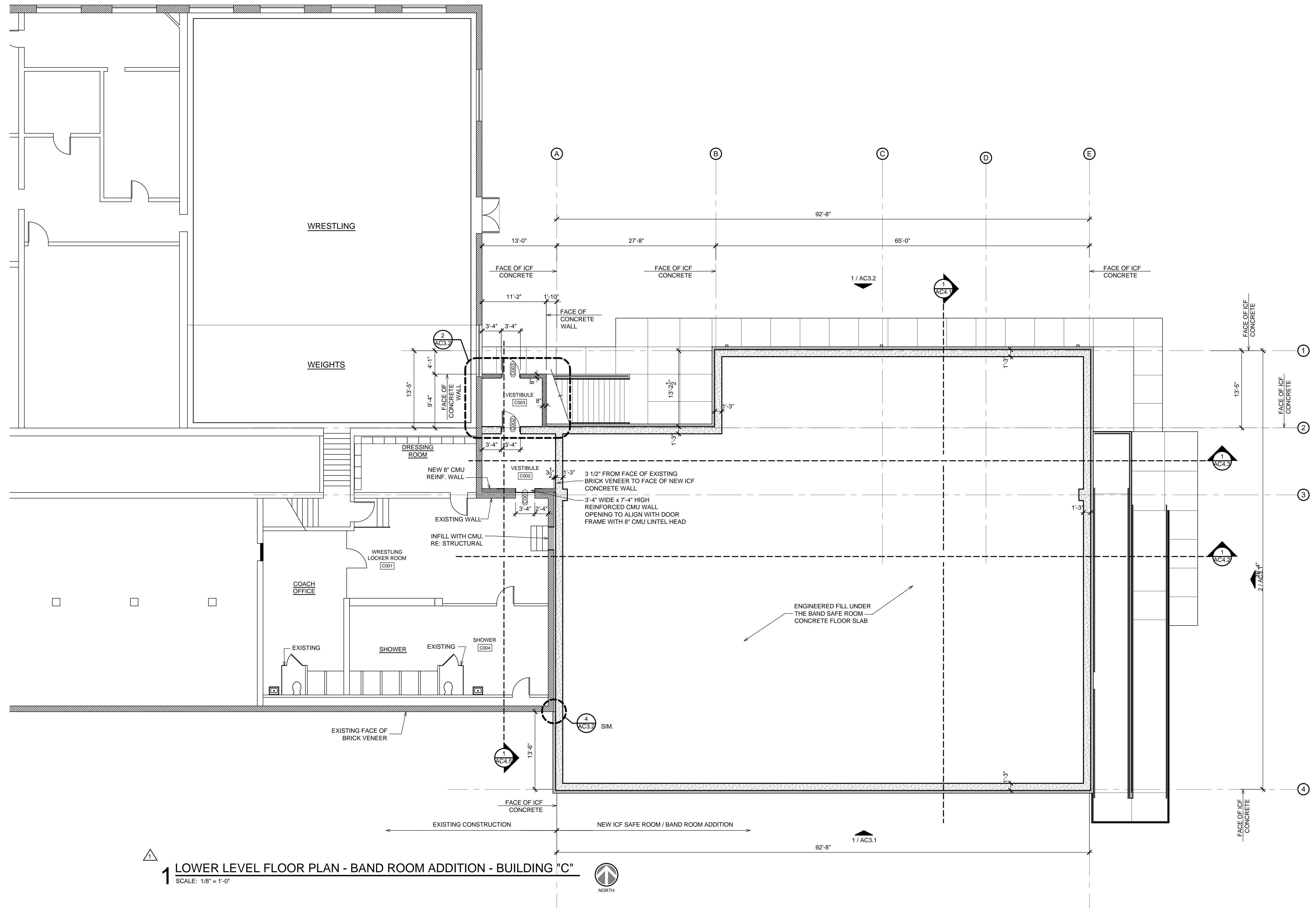


RICHARDS & ASSOCIATES, INC.
424 EAST MAIN STREET JENKS, OK
405.627.9584 FAX 918.355.9309
C.A. #4458 EXP. DATE 06.30.23

PROJECT TITLE: TULSA PUBLIC SCHOOLS
WEBSTER HIGH SCHOOL - 2021 BOND PROJECTS
BAND ROOM & GREEN HOUSE ADDITIONS
W/ SITE IMPROVEMENTS
1919 WEST 40TH STREET, TULSA, OK
SHEET TITLE: **GREEN HOUSE ADDITION FOUNDATION PLAN**
BUILDING "D"

SHEET NUMBER:
S1.4

GSHELMS & ASSOCIATES, LLC ARCHITECTURAL CERTIFICATE OF AUTHORITY NUMBER: 02332



0	CONSTRUCTION DOCUMENTS ISSUE FOR BIDDING	06.16.22
1	ADDENDUM #4	10.07.22
#	REVISION	DATE



PROJECT NO.:	21-03000
FILE:	AC1.3
ISSUE DATE:	06.16.22
SCALE:	AS NOTED
DRAWN BY:	
CHECKED BY:	GSH
APPROVED BY:	GSH

ARCHITECT:

GS HELMS
+ ASSOCIATES

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wb: gshelms.com jenkins, ok 74037

PROJECT TITLE: TULSA PUBLIC SCHOOLS
WEBSTER HIGH SCHOOL - 2021 BOND PROJECTS
BAND ROOM & GREEN HOUSE ADDITIONS
W/ SITE IMPROVEMENTS
1919 WEST 40TH STREET, TULSA, OK

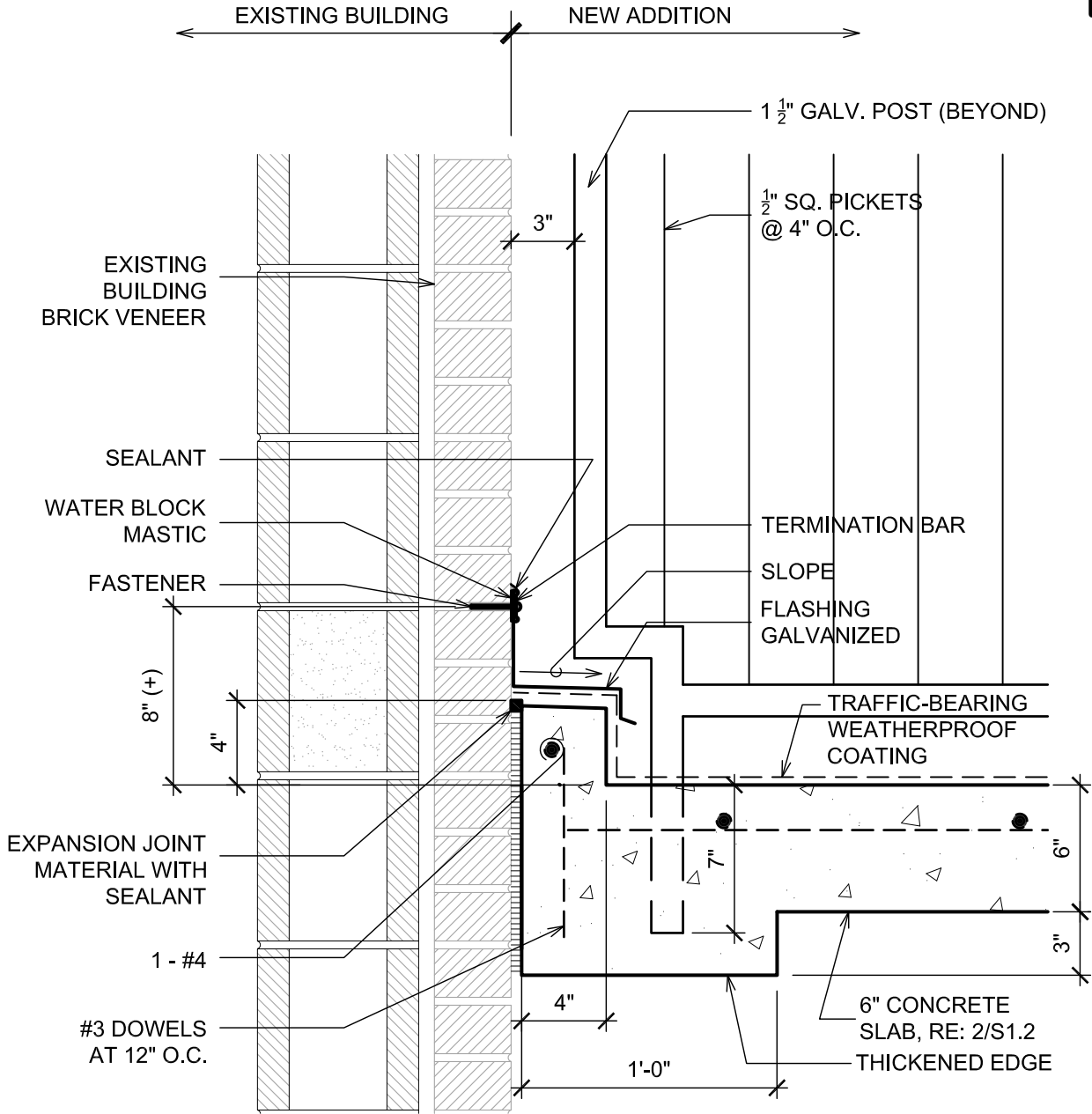
SHEET TITLE:
LOWER LEVEL FLOOR PLAN -
BAND ROOM ADDITION- BLDG "C"

SHEET NUMBER:

AC1.3

SHEET NUMBER:

5/
AC3.2



5 WEST ELEVATION SECTION DETAIL
AT NORTH STAIR LANDING -
BAND ROOM BUILDING "C"

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

TULSA PUBLIC SCHOOLS
PROJECT TITLE:
WEBSTER HIGH SCHOOL - 2021 BOND PROJECTS
BAND ROOM & GREEN HOUSE ADDITIONS
W/ SITE IMPROVEMENTS
1919 WEST 40TH STREET, TULSA, OK

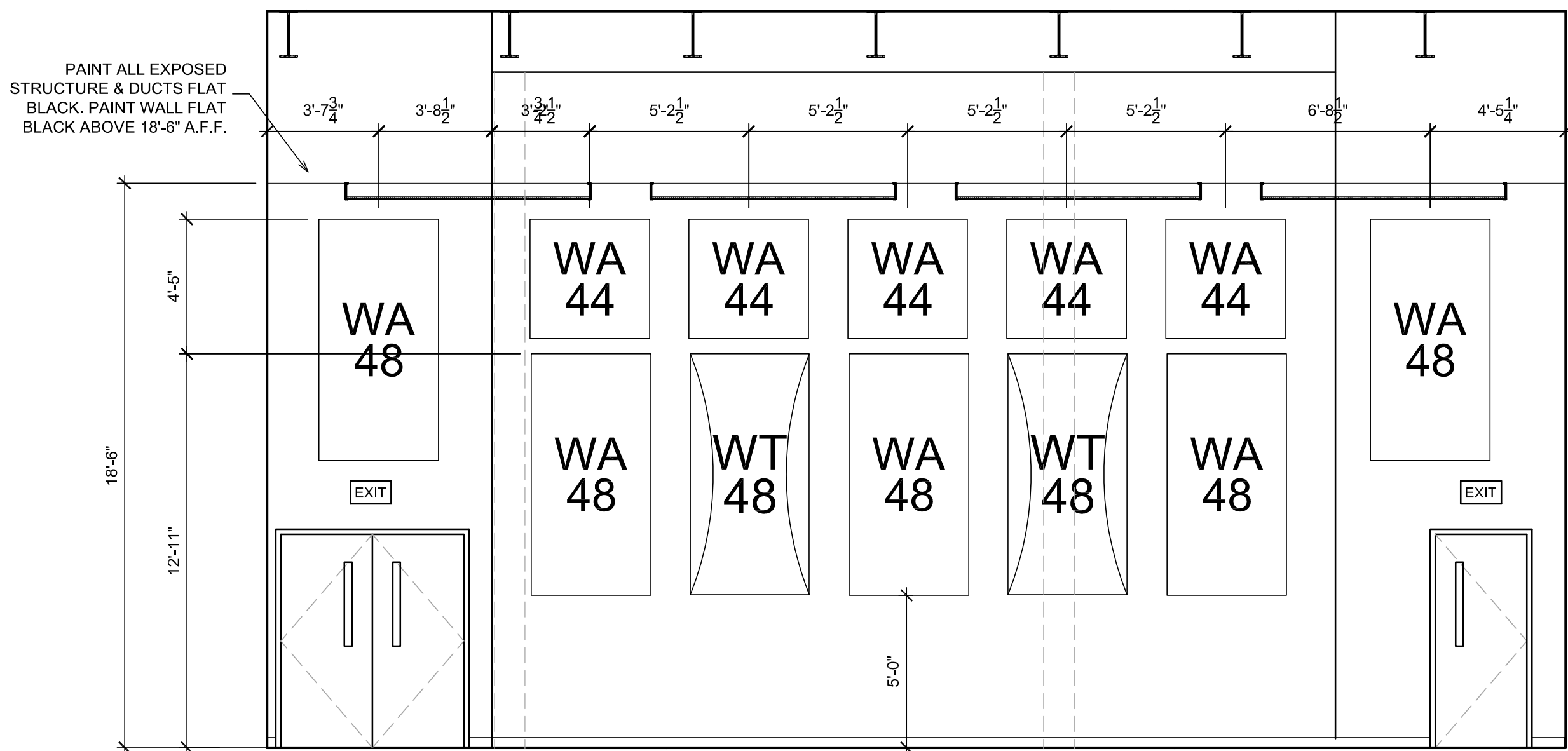
WEST ELEVATION SECTION DETAIL
AT NORTH STAIR LANDING - BAND ROOM - BUILDING "C"

ARCHITECT: **GS HELMS + ASSOCIATES**

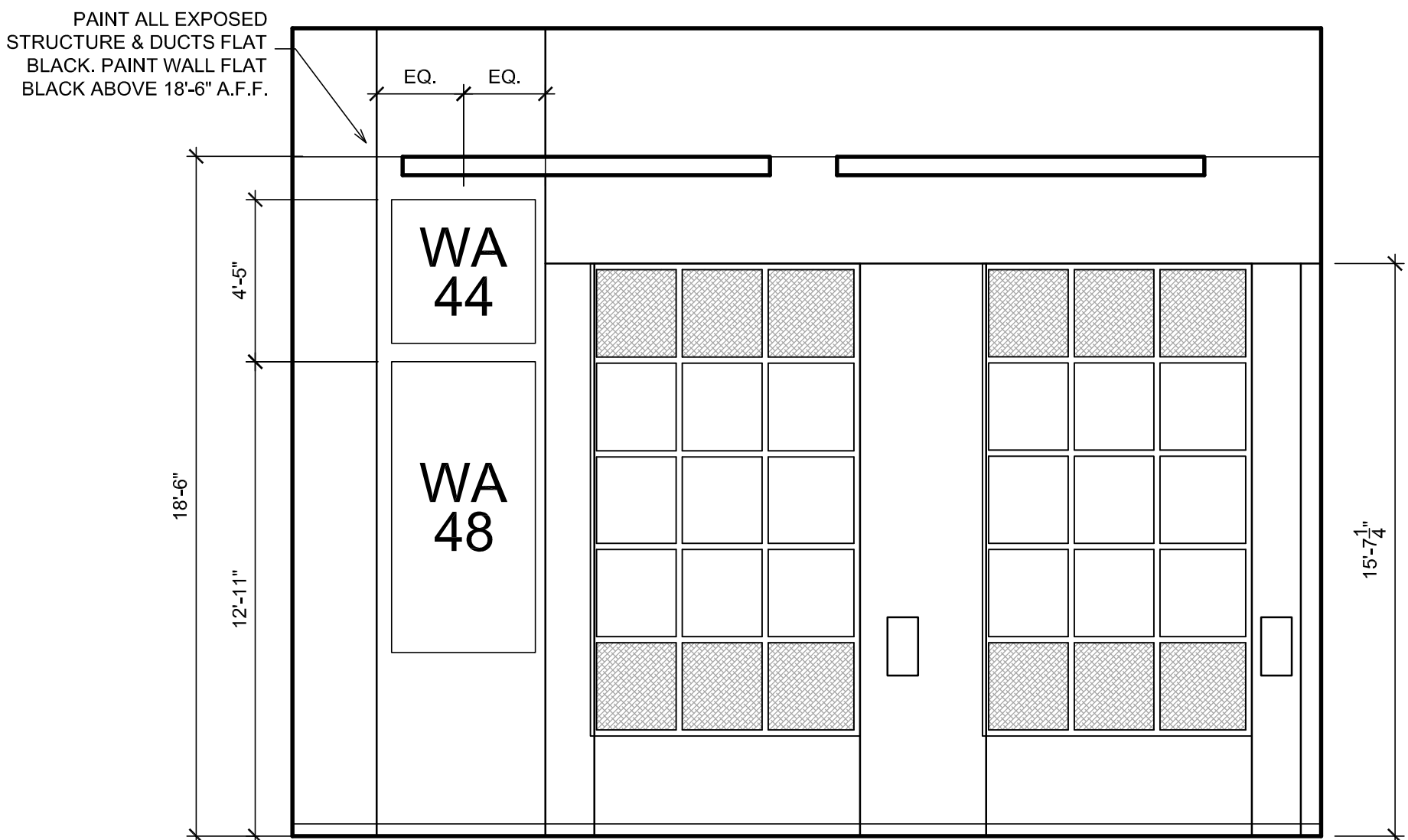
ph: 918.298.7257
wb: gshelms.com
424 e. main st.
jenks, ok 74037

PROJECT NO.:	21-03000
FILE:	AC3.2
ISSUE DATE:	10.07.22
SCALE:	AS NOTED
DRAWN BY:	GSH
CHECKED BY:	GSH
APPROVED BY:	GSH

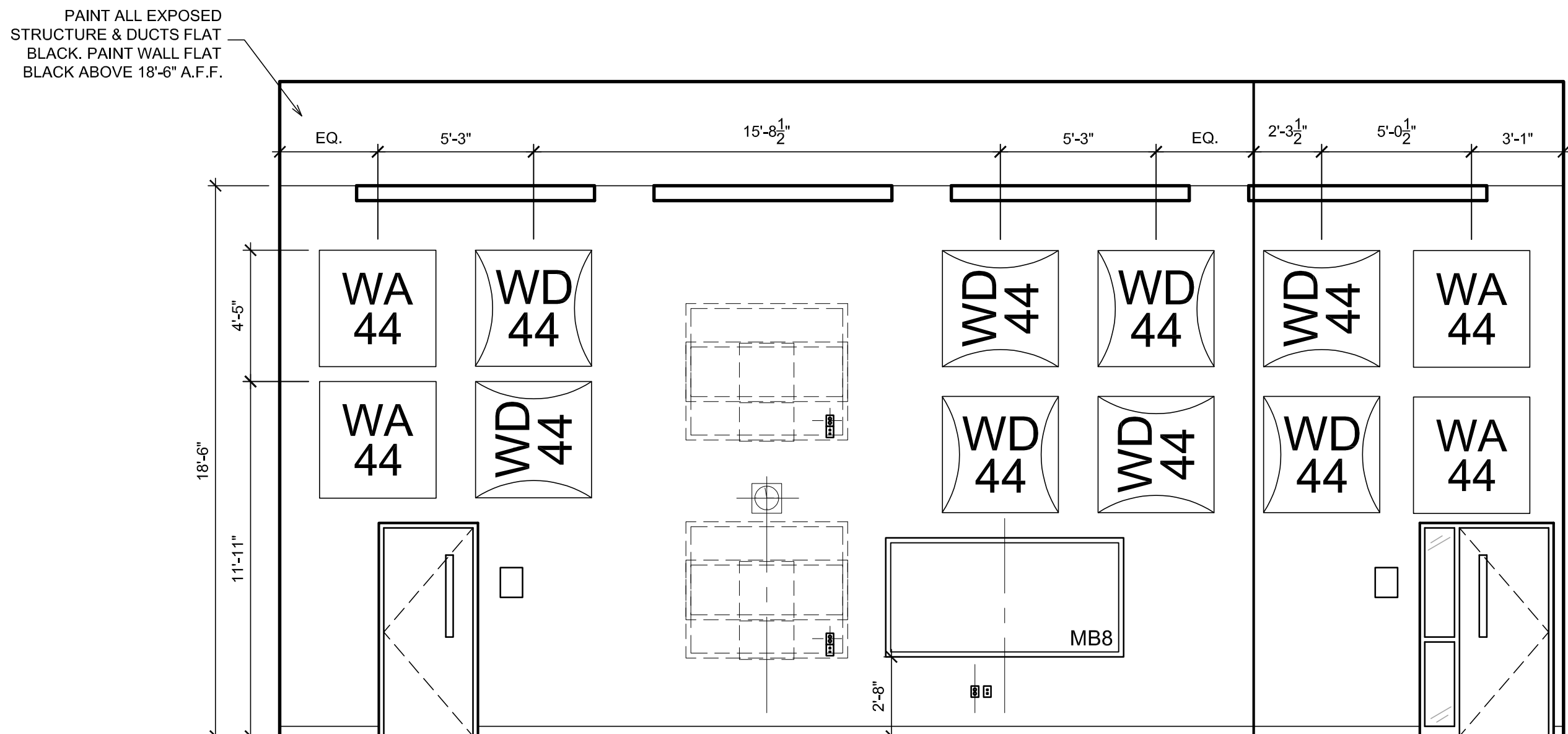
GSHELMS & ASSOCIATES, LLC ARCHITECTURAL CERTIFICATE OF AUTHORITY NUMBER: 02332



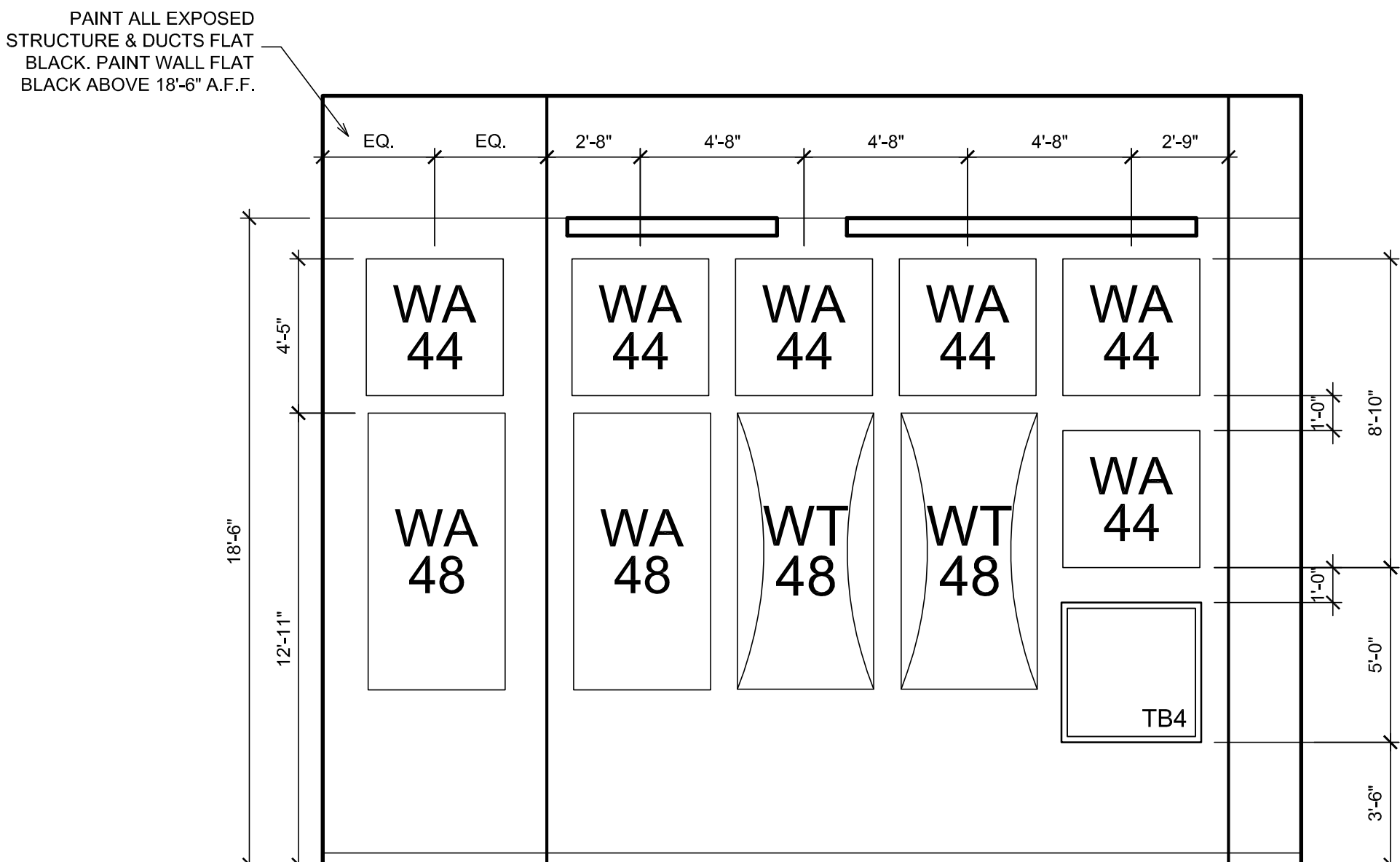
1 ENSEMBLE REHEARSAL ROOM - NORTH WALL
SCALE: 1/4" = 1'-0"



3 ENSEMBLE REHEARSAL ROOM - EAST WALL
SCALE: 1/4" = 1'-0"



2 ENSEMBLE REHEARSAL ROOM - SOUTH WALL
SCALE: 1/4" = 1'-0"



4 ENSEMBLE REHEARSAL ROOM - WEST WALL
SCALE: 1/4" = 1'-0"

ENSEMBLE REHEARSAL ROOM	
DESCRIPTION	QTY
4X4 (WA44) 3" WALL ABSORBER	19
4X4 (WA48) 3" WALL ABSORBER	9
2X2 (CPL2) PYRAMIDAL CEILING DIF(LAYIN)	32
4X4 (WD44) WALL DIFFUSER	8
4X8 (WT48) TYPE II WALL DIFFUSER	4

0	CONSTRUCTION DOCUMENTS ISSUE FOR BIDDING	06.16.22
1	ADDENDUM #4	10.07.22
#	REVISION	DATE



PROJECT NO.:	21-03000
FILE:	AC9.3
ISSUE DATE:	06.16.22
SCALE:	AS NOTED
DRAWN BY:	
CHECKED BY:	GSH
APPROVED BY:	GSH

ARCHITECT:

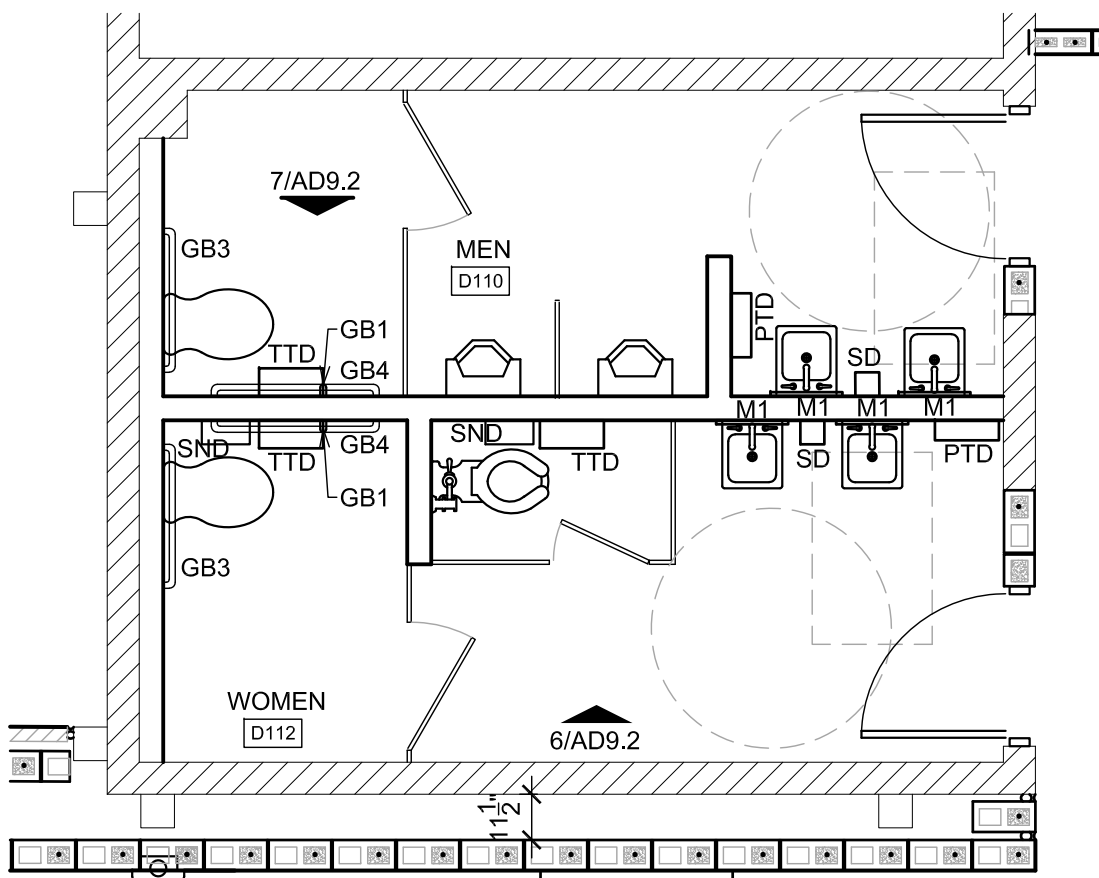
GS HELMS
+ ASSOCIATES

ph: 918.298.7257 | 424 e. main st.
wb: gshelms.com | jenkins, ok 74037

PROJECT TITLE: TULSA PUBLIC SCHOOLS
WEBSTER HIGH SCHOOL - 2021 BOND PROJECTS
BAND ROOM & GREEN HOUSE ADDITIONS
W/ SITE IMPROVEMENTS
1919 WEST 40TH STREET, TULSA, OK

SHEET TITLE: **ENSEMBLE REHEARSAL ROOM**
INTERIOR ELEVATIONS & DETAILS

SHEET NUMBER:
AC9.3



PROJECT NO.:	21-03000
FILE:	AD1.2
ISSUE DATE:	10.07.22
SCALE:	AS NOTED
DRAWN BY:	GSH
CHECKED BY:	GSH
APPROVED BY:	GSH

ARCHITECT:

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wb: gshelms.com jenks, ok 74037

PROJECT TITLE:

TULSA PUBLIC SCHOOLS

WEBSTER HIGH SCHOOL - 2021 BOND PROJECTS
BAND ROOM & GREEN HOUSE ADDITIONS
W/ SITE IMPROVEMENTS

1919 WEST 40TH STREET, TULSA, OK

RESTROOMS D110 & D112
BUILDING "D" - SPECIALTY LOCATIONS

SHEET NUMBER:
RESTROOM
SPECIALTY
LOCATIONS
FOR
AD1.2

BUILDING "D"

SPECIALTIES SCHEDULE

NOTE: STUDENT DESKS, TABLES, CHAIRS, COMPUTERS,
ARE NOT IN THIS CONTRACT

MARK	DESCRIPTION	MFGR.	MODEL NO.	(W X H X D) DIMENSIONS	MOUNTING	FINISH	(CFCL, U.N.O.) REMARKS
GB1	GRAB BAR 1 1/2" DIA.	BRADLEY	8120-001-18	18" VERTICAL	1 & 2/A9.0	S.S. W/ SATIN FINISH	
GB3	GRAB BAR 1 1/2" DIA.	BRADLEY	8120-001-36	36" HORIZONTAL	1 & 2/A9.0	S.S. W/ SATIN FINISH	
GB4	GRAB BAR 1 1/2" DIA.	BRADLEY	8120-001-42	42" HORIZONTAL	1 & 2/A9.0	S.S. W/ SATIN FINISH	
M1	MIRROR W/ ANGLE FRAME	BRADLEY	780-1830-2	18" x 30"	1 & 2/A9.0	S.S. W/ SATIN FINISH	
SD	SOAP DISPENSER	(O.F.C.I.)	-	-	1 & 2/A9.0		O.F.C.I.
PTD	PAPER TOWEL DISPENSER	RE: SPECIFICATIONS	-	16"W x 17.5"H x10"D	1 & 2/A9.0	-	
TTD	TOILET TISSUE DISPENSER	RE: SPECIFICATIONS	-	20"W x 13"H	1 & 2/A9.0	CHROME	
FEC	FIRE EXTINGUISHER & CABINET	RE: SPECIFICATIONS				WHITE POWDER COAT	
SND	NAPKIN DISPOSAL	BRADLEY	4722-1015	12.75"X17"HX4"D	1 & 2/AA7.1	S.S, SEMI-RECESSED	WALL-MOUNTED
TB4	4'x4' TACK BOARD	CLARIDGE		48"W x 48"H BOT. @ 2'-8" AFF		ALUMINUM TRIM	WALL-MOUNTED
MB4	4'x4' MARKER BOARD	CLARIDGE LCS SERIES 1		48"W x 48"H		ALUMINUM TRIM	WALL-MOUNTED

PROJECT NO.:	21-03000
FILE:	AC9.1
ISSUE DATE:	10.07.22
SCALE:	AS NOTED
DRAWN BY:	GSH
CHECKED BY:	GSH
APPROVED BY:	GSH

ARCHITECT:

GS HELMS
+ ASSOCIATES

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wb: gshelms.com jenkins, ok 74037

PROJECT TITLE:

TULSA PUBLIC SCHOOLS

WEBSTER HIGH SCHOOL - 2021 BOND PROJECTS
BAND ROOM & GREEN HOUSE ADDITIONS
W/ SITE IMPROVEMENTS

1919 WEST 40TH STREET, TULSA, OK

BUILDING "D"
SPECIALTIES SCHEDULE

SHEET NUMBER:
SPECIALTIES
SCHEDULE
FOR
AD9.1

SEALS:



SHEET NUMBER:

4/
D-ES101

PROJECT TITLE:
TULSA PUBLIC SCHOOLS

WEBSTER HIGH SCHOOL - 2021 BOND PROJECTS
BAND ROOM & GREEN HOUSE ADDITIONS
W/ SITE IMPROVEMENTS
1919 WEST 40TH STREET, TULSA, OK

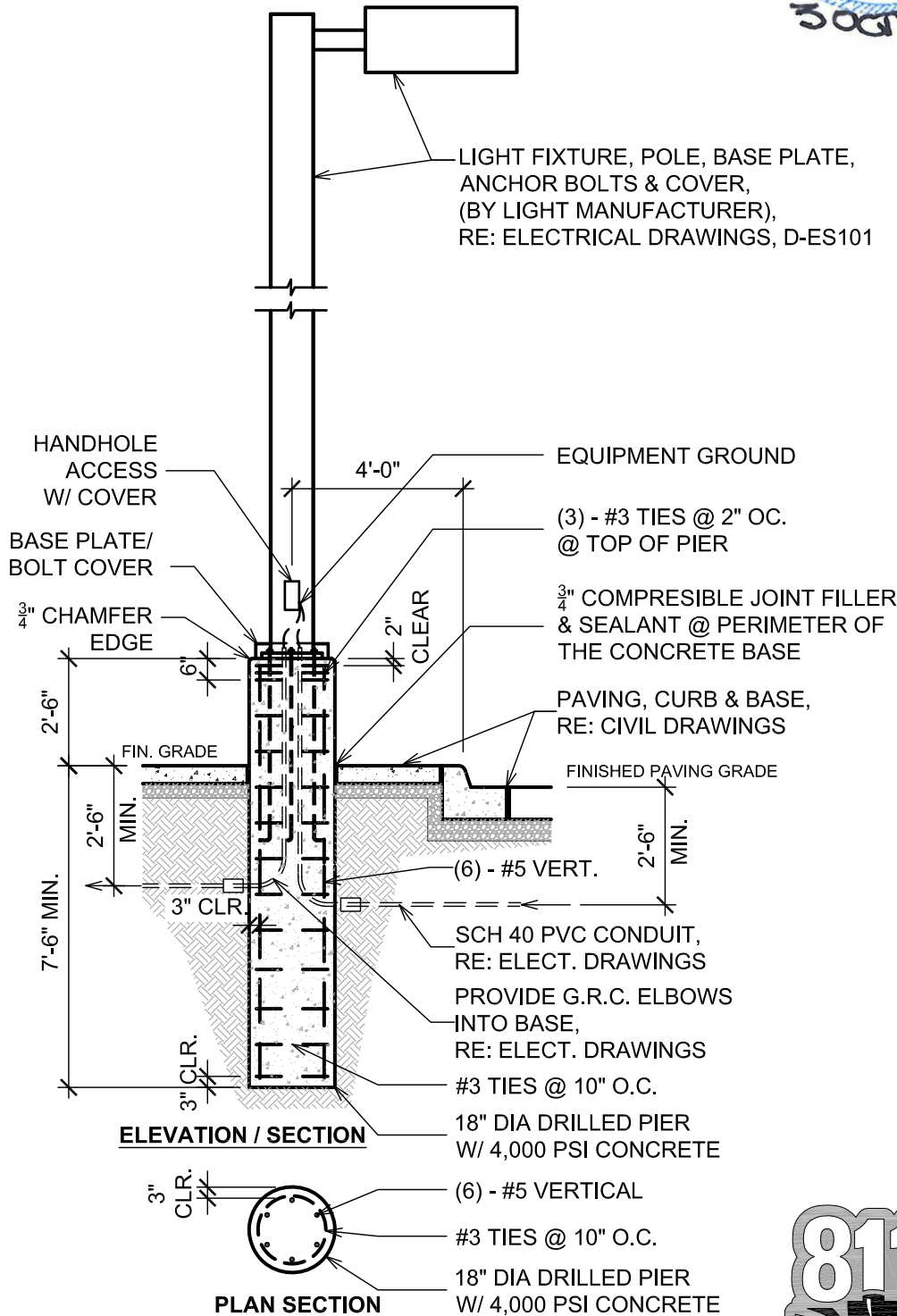
LIGHT POLE FOUNDATION DETAIL

ARCHITECT:

GS HELMS
+ ASSOCIATES

ph: 918.298.7257
wb: gshelms.com
424 e. main st.
jenks, ok 74037

PROJECT NO.:	21-03000
FILE:	DETAIL
ISSUE DATE:	10.07.22
SCALE:	AS NOTED
DRAWN BY:	GSH
CHECKED BY:	GSH
APPROVED BY:	GSH



LIGHT POLE FOUNDATION DETAIL

4

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



Know what's below.
Call before you dig.