ADDENDUM NO. 1
EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS
Project No. 25053

June 1, 2026

Lewis, Elliott, McMorran, Vaden,
Ragsdale & Woodward, Inc.
11225 Huron Lane, Suite 104
Little Rock, AR 72211
Telephone: (501) 223-9302

The proposed Contract Documents, dated May 18, 2026, have been modified as follows:

Pertaining to the Soil Investigation:

Item #1: Soil Investigation:
- a. Report (attached)
- b. Plates 1-1A (attached)
- c. Plates 2-7 (attached)
- d. Plates 8-13 (attached)

Pertaining to the Specifications:

Item #2: Section 01 22 00 – Unit Pricing, A. Site Undercut: Base Bid to include an allowance of 4,790 cubic yards undercut and backfill soils.

Item #3: Section 04 21 13 – Brick Masonry:
- a. 2.1 Brick – Acme Brick
  - C. Brick Selection: Field Brick – V228 Velour
    Accent Brick – Sioux City Brown Velour FBX (smooth face)

Item #4: Section 07 42 43 – Composite Wall Panels: Alfrex is an approved manufacturer.

Item #5: Section 08 51 13 – Aluminum Sliding Windows:
- a. 2.1.3 Model DW Series Manual Deluxe Sliding Service Window without Screen
  - a. Frames: Aluminum frame modules shall be constructed of 6063-T5 extruded aluminum. Window rolls on top-hung ball bearing rollers. Catch locks included with all interior windows. Overall frame sizes are as shown on drawings.
  - b. Panel Quantity: Two
  - c. Finish: Satin Anodized
  - d. Glazing: As shown on drawings.
  - e. Options: Full bottom track and keyed lock.

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Item #6: Section 08 71 00 – Door Hardware:

a. Hardware Set 2.0 - Door 302.1: Remove exterior use components of hardware from this door only.
b. Hardware Set 4.0: Omit viewer with cover, door has a vision lite.
c. Hardware Set 26.0: Doors no longer need to open 180 degrees. Ignore note about closer template.

Item #7: Section 09 65 66 – Resilient Athletic Flooring: Attached.

Item #8: Section 10 73 26 – Walkway Canopies: Archetype is an approved manufacturer.

Item #9: Section 11 40 00 – Food Service Equipment: Equipment cut sheets attached.

Item #10: Section 12 66 13 – Telescoping Bleachers: Omit section in its entirety and replace with Section 12 60 00 – Telescopic Stands (attached).

Item #11: Section 12 60 00 – Telescopic Stands (attached): Heartland Seating is an approved manufacturer.

Item #12: Section 32 18 13 – Synthetic Grass Surfacing: Synlawn is an approved manufacturer.

Item #13: Section 32 18 13 – Synthetic Grass Surfacing, 2.2.H: Provide an allowance of 1,000 square feet of 1" padding and 3,000 square feet of 2" padding. Locations shall be determined by Owner.

Item #14: Section 32 31 19 – Decorative Metal Fencing System: Attached.

Item #15: Section 27 51 23 - Intercommunications and Program Systems: Under Part II Product Section, the contractor shall provide a complete and operational Valcom IP6000 System. The System shall be a Hybrid Type with all IP Headend/Gateways and Standard analog speakers to include, but not limited to, the following:

VE6090-1 Head-end
VE1225 Gateways for Classroom Zones
VE8025, Talkback Gateways
V-2972 Call Buttons
Standard 1-way hall speakers as specified in Section 2.5
Standard 2-way class speakers as specified in Section 2.5
Standard Exterior Horns as specified in Section 2.5
VE8001 with V-9983 for Music
VP-4124D Power Supply(s) as required
IP6000 Site Manager Software
Valcom VIP-204B SIP gateway as required for connection to owner's VOIP phone system.
Provide clocks as specified in 27 53 13.

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Pertaining to the Drawings:

Item #16: Sheet C1.1 - Site Grading & Storm Drainage Plan: Replace with the attached sheet dated 2026 06-01.

Item #17: Sheet C1.2 - Site Utility Plan: Replace with the attached sheet dated 2026 06-01.

Item #18: Sheet C1.3 - Site Roof & Condensate Drainage Plan: Replace with the attached sheet dated 2026 06-01.

Item #19: Sheet A0.1 - Architectural Site Plan: Replace with the attached sheet dated 2026 06-01.

Item #20: Sheet A0.2 - Site Details: Replace with the attached sheet dated 2026 06-01.

Item #21: Sheet A2.1 Floor Plan – Area A: Telescopic bleachers shall be wall mounted, four rows with bench seating.

Item #22: Sheet A5.12 - Wall Sections – Area A: Replace with the attached sheet dated 2026 06-01.

Item #23: Sheet A5.13 - Wall Sections – Area A: Replace with the attached sheet dated 2026 06-01.

Item #24: Sheet A5.15 - Wall Sections – Area A: Replace with the attached sheet dated 2026 06-01.

Item #25: Sheet A5.23 - Wall Sections – Area B: Replace with the attached sheet dated 2026 06-01.

Item #26: Sheet A8.1 - Door Schedule & Details: Replace with the attached sheet dated 2026 06-01.

Item #27: Sheet A8.2 - Window Elevations: replace with the attached sheet dated 2026 06-01.

Item #28: Sheet P1.1 – Floor Plan – Area A - Plumbing: For EWC-1 in P.E. 102, in lieu of fixture specified, provide: ELECTRIC WATER COOLER, SPLIT-LEVEL WITH BOTTLE FILLING STATION (LEFT HAND LOW SIDE) - ELKAY LMABFTL8WSSK, MECHANICALLY ACTIVATED, 8.0 GPH OF 50°F FILTERED WATER AT 80°F, 1/5 HP, 120V. INSTALL WITH ONE (1) BUBBLER MTD. AT 30" AFF. AND ONE (1) AT 38" AFF., STAINLESS STEEL FINISH, 'FLEX GUARD' STYLE PLASTIC BUBBLERS, MCGUIRE #2165 WHEEL HANDLE STOP, 3/8" FLEXIBLE WATER SUPPLY TUBE AND #8872 - 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT. (30" A.F.F. AND 38" A.F.F. ARE THE STANDARD AND BARRIER FREE MOUNTING HEIGHTS FOR GRADES 'K-6')

Item #29: Sheet P1.3 – Floor Plan – Area C - Plumbing: FDC to be located on west wall of SRO 303. FDC to face west, with supply pipe concealed in column chase in southwest corner of SRO 303.

Item #30: Sheet P2.1 – Plumbing Schedule & Details: All plumbing components for the Safe Room portion of the building to have a component importance factor of Ip = 1.5 (See Plumbing Seismic Notes – Safe Room Building).

Item #31: Sheet E1.0 Site Plan – Electrical: For Keynote #8, the utility (Entergy), will provide the pull-boxes to the contractor for installation. The contractor should not include the purchase costs for these boxes.

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Item #32: Sheet E1.1 – Area A – Lighting: If deductive alternate is taken at north canopy as noted, contractor shall provide (8) surface mount “D” fixtures on the alternate canopy. Same as shown on front canopy 2/E1.2.

Item #33: Sheet E1.2 - Floor Plan – Area B – Lighting: Light Fixtures in Storage 228 shall be noted as “A3” type.

Item #34: Sheet E1.4 - Floor Plan – Area D – Lighting: Provide “R” type ceiling egress light in Toilet 431 connected to room lighting circuit.

Item #35: Sheet E5.3 - Power Riser & Details: Panel MP2B should be correctly shown fed from LDP2 with a 225A feeder/breaker similar to MP2A.

Item #36: Sheet E7.1 - Light Fixture Schedule: Type “D” fixture shall be 5000LM in lieu of 3000 noted. Finish by Architect.

END OF ADDENDUM NO. 1

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Garner Engineering PA
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501-681-1492

May 24, 2026

To: Lewis Architects Engineers
Attn: Mr. Will Denman, AIA
11225 Huron, Suite 104
Little Rock, AR 72211

From: Carl W Garner P.E.



Re: New Elementary School
East End
Sheridan Public Schools
Sheridan, Arkansas

This is a summary report of the soil investigation performed on the site of the new East End Elementary School for Sheridan Public Schools, Sheridan, Arkansas. This study was performed in general accordance with discussions with you and Randy Gangluff (GGG) and our proposal. Site grading information for this project was obtained from the Lewis Architects Engineers Site Grading and Storm Drainage Plan C1.1 dated April 7, 2026.

The new facility will include a single-story pre-engineered steel frame Classroom and Cafeteria and a pre-cast concrete Safe Room. The facility will be located east of the existing Middle School. A shallow foundation/slab on grade design is preferred for the light to moderately loaded structures. Site grading to establish FFE 302.5 is expected to require cuts and fills of up to 3 ft for the Classrooms with 1 to 2 ft of fill possible for the Safe Room. Drive and parking areas are planned on the all sides of the new building. A new heavy duty drive will be located on the west side with connection to Ark Hwy 367 on the north.

The study consisted of the following facets:

- Field investigation consisting of fourteen (14) auger sample borings at the approximate locations shown on Plate 1. Borings 1 through 8 were located in the building area and were drilled to depths of 15 ft. Pavement area Borings 9 - 14 were extended to 5.5 ft. Automatic hammer Standard Penetration Tests (SPT), and N-values in Blows Per Foot (BPF) were obtained. Soil cohesion in Tons Per Sq Ft (TSF) was estimated with a calibrated hand penetrometer. The results of the field study with descriptions of soil strata are presented on the Log of Boring, Plates 2 through 12. A Key to Terms and Symbols used on the logs is included as Plate 13.

- Laboratory testing and examination was performed on representative soil samples. Engineering properties testing included Atterberg Limits and natural water contents. The results are included on each Log of Boring.
- Engineering analysis of the field and laboratory data and preparation of this summary report with conclusions regarding foundation soil and related site conditions and recommendations to aid in foundation and pavement structure design as well as site grading planning and performance.

SITE AND GENERAL SUBSURFACE CONDITIONS

The new Elementary school area is an undeveloped tract that was previously cleared and graded during construction of the existing Middle School. Most of the site was used as the "laydown" area for the Middle School (See Plate 1A). As Shown, spoils from the Middle School undercut were placed locally on the site. Much of the new east side drive alignment is currently heavily wooded. As a result, a well-defined topsoil or root mat zone was not generally present in the building and most of the new parking areas. Due to extended dry weather the upper soils were generally unseasonably dry or desiccated, especially in the wooded areas.

Topographically the overall site slopes gently to moderately to the north from the low ridge on the south. Surface drainage is currently via overland flow to the northwest. Surface drainage on the cleared site is considered to be fair via natural swales. Existing grade varies from near El 306 on the southeast to El 290 in natural drainage on the north. Finish First Floor for the building is set at El 302.5.

Natural soils were typically encountered at the boring locations. Geologically the basic soils are considered to be units of the Tertiary Period Claiborne Group comprised predominantly of fine sands, silts and some silty clays of non-marine origin. In an existing natural north side drainageway, deeper deposits of silt and silty fine sand occur randomly. The soils encountered in the February and April 2026 borings may be generalized as follows.

Fill:	Existing Fill/Possible Fill was encountered to depths of about 2 ft in Borings 1 and 2. These soils consisted of very stiff gray and brown clayey silt, ML, CL, with trace organics. N-values of 6 and 7 BPF and cohesion near 1.0 TSF were obtained in these low plasticity soils.
Stratum I:	Below the Fill in Borings 1 and 2 and from the surface in Borings 3 through 7 the soils found to depths of near 4 to 6 ft generally consisted of about 12 to 18 ins. of brown and light brown silt, ML, silty fine sand, SM, with minor organics and roots overlying soft to stiff brown and gray clayey silt, ML, ML-CL. Notwithstanding local variations, most of these moisture sensitive soils were dry during the soil study and are subject to strength loss when wet. N-values ranged from 1 to 10 BPF with cohesion of 0.3 to 1.0 TSF reflecting soil moisture variations.
Stratum II:	From the surface to depths of about 2 ft to locally over 5 ft stiff to very stiff tan, gray some brown silt/clayey silt, ML, ML-CL, with some fine

sandy silt, ML-SM, were encountered. These soils were typically unseasonable dry (desiccated) due to extended drought-like conditions as well as the tree root systems in the areas of Borings 10 through 14. N-values ranged from about 5 to 12 BPF typically with apparent cohesion over 1.0 TSF.

Stratum III: Below depths of about 2 to 4 ft or locally deeper, stiff to very stiff brown, tan some gray silty clay, and some clayey silt, ML-CL, with trace fine sandy clay, CL SC, was encountered to the boring completion depths of 5.5 and 15 ft. This unit generally exhibited a laminated structure. These low to locally moderate plasticity clay soils are generally of low shrink-swell potential. Cohesion ranged from near 0.8 to over 1.5 TSF with N-values of about 10 to 22 BPF.

Free groundwater was not encountered during the February and April 2026 field study. While permanent static groundwater is not anticipated, saturation or perched groundwater conditions could develop seasonally in the silty Stratum I soils, especially in lower terrain in infilled stump holes and/or areas disturbed by clearing and grubbing activity.

RECOMMENDATIONS

Special Site Grading Considerations

Due to the potential presence of weak or unstable conditions in the silty soils of Stratum I, selective undercutting of the building area is anticipated, especially during wet season construction. Undercut depths of 1.5 to 3 ft are indicated during wetter seasons with local removal to depths of 4 ft possible in lower terrain. Considering a wet season construction schedule and the properties and condition of Stratum I, an undercut allowance of 4790 cu yds, cross-section basis, may be included in the base bid for potential wet season conditions. Actual pay quantity should be calculated from measurement of the undercut area(s) prior to backfill placement/compaction. Undercut should extend a minimum of 5 ft outside the footing line subject to approval by the Soils Engineer/Architect.

Foundation Considerations

It is understood that foundation loads for the pre-engineered Classroom with mezzanine will be relatively light with maximum column loads on the order of 60 kips. The precast Safe Room structure may be subject to maximum wall loads on the order of 5000 to 7000 lbs. per ln. ft. Slab loading will be light.

Site grading for FFE 302.5 will involve fills of 1 to 3 ft with cuts near 3 ft possible. Existing terrain in the building area is relatively gently sloping varying from near El 306 southeast to El 299 to 300 on the north.

Based on subsurface soil conditions encountered, it is concluded that the structures may appropriately be supported on shallow individual and continuous spread footings bearing on approved stiff clayey and fine sandy silt, Stratum I, stiff/very stiff Stratum II soils at depths of 2 ft below existing grade and/or on compacted Select Fill. (See Site Grading)

However, based on conditions encountered, the silty soils Stratum I may be seasonally weak and unstable requiring selective undercut, as discussed subsequently.

Due to the moisture sensitive nature and potential seasonally low strength of the Stratum I soils found generally to about 1.5 to 3.5 ft, it is recommended that the footings bear on Stratum II, or on compacted Select Fill, placed either after selective removal and replacement of weak Stratum I soils, or as required to establish subgrade for plan FFE. With either approach shallow individual and/or continuous spread footings may be sized for an allowable soil bearing pressure of up to 2500 lbs per sq ft for the maximum DL, LL, WL and Seismic load combination and 2100 lbs per sq ft for DL only. A minimum footing dimension of 24 ins. is recommended. Lateral resistance may be based on a coefficient of base sliding of 0.3.

The floor slab integral with the foundation elements may be founded on new compacted Select Fill or Strata I or II soils as approved by the Soils Engineer. The slab on grade integral with the foundation elements should be underlain by a minimum 4 ins. thick clean free draining capillary barrier. In addition, a 10 mil Visqueen or similar moisture barrier should be provided above the stone capillary barrier. The slab on grade should be supported on new Select Fill and/or the underlying subgrade soils approved by the Soils Engineer.

Retaining foundation (stem) walls are not anticipated. However, if walls are required, lateral earth pressures for the wall design will be dictated by wall fixity, drainage, and backfill soil types. The following criteria was developed to aid in wall design, if required.

Fixed Wall Condition

Free draining stone backfill	:	55 PSF Equivalent Weight
Passive Resistance	:	500 PSF of projected footing area below a depth of 1.5 ft. Minimum footing depth 2.5 ft below finish exterior grade

Passive resistance is contingent upon concrete being cast in hard contact with undisturbed bearing strata. Additional criteria can be developed for other backfill soil and drainage conditions.

It should be noted that some moderate plasticity clay, CL-CH, lenses and seams were found erratically in the Stratum II silty clay, CL. Areas of higher plasticity, CH, soils, if encountered in footings or during general site grading in the building area, should be evaluated by the Soils Engineer and selectively undercut and replaced, if warranted.

With proper treatment of footing and slab subgrade conditions, including required Stratum I or clay, CH, undercut, and backfill, total or differential post construction movement should be less than 0.50 ins. The allowable soil bearing pressures should provide a factor of safety in excess of 3.0.

Seismic Factors

Seismic design under IBC criteria may be based on Seismic Site Class C. Under

Arkansas Act 1100 of 1991 the Saline County, Arkansas site is located in Zone 1, "area of minor anticipated seismic damage." Seismic parameters Av = 0.09 and Aa = 0.05 may be utilized for Act 1100.

Pavement Considerations

New, heavy duty pavement and drive will be located on the west side of the building with an access drive north to Ark Hwy 367. The new pavement will be subject predominantly to delivery/service vehicle traffic. From the current Site Grading plan, grading for this drive will typically require cuts or fills on the order of 1.5 ft or less.

A large light duty parking area is planned north of the new building with a smaller parking area south of the Classrooms. New grading on the north is expected to require cuts of 1 to 3 ft and fills of up to 8 ft. Grading for the south parking will typically involve cuts of 1 to near 8 ft on the south side of the existing drive. The new east light duty drive alignment is generally wooded. Grading after clearing and grubbing will involve cuts of 1 to near 6 ft in the east section with fills of up to 7 ft on the north end. The deeper fills will occur in lower natural drainageway containing moisture sensitive Stratum I soils and/or alluvial accumulations which will become seasonally wet and unstable.

Based on conditions found in borings, the subgrade soils in cut areas will likely consist of moisture sensitive silty Stratum I soils, ML, ML-CL. in shallow cut or fill sections. Stronger, moderate plasticity silty clays, CL, are expected to be present in deeper cut areas.

The subgrade for pavement areas should be prepared as outlined in the Site Grading section. Considering the weak condition of Stratum I silty soils and the presence natural drainage areas within the pavement areas, selective undercut will be warranted, especially during wetter seasons.

An estimated undercut allowance of 3850 cu. yds. cross section basis may be included in the base bid for potential wet season undercut of new drives and parking areas. Alternatively, the use of a controlled bridge of Select Fill could be considered in lieu of deep undercut where fill thickness exceeds 2.5 ft. A geotextile support fabric, such as Mirafi 140N or heavier, may be used below the bridge lift to enhance stability and reduce thickness of the bridge. Bridge lift procedure should be approved by the Soils Engineer.

Based on planned site grading and selective undercut, the following pavement structure thicknesses were developed for compacted Select Fill or approved existing Stratum I or Stratum II soils having a CBR of at least 5. Preliminary designs should be reviewed when specific traffic data is available.

Light Duty

Surface:	2 ins. ACHM – ArDOT Mixture
Base Course:	6 ins. ArDOT Class 7

Medium Duty

Surface: 3.5 ins. ACHM – ArDOT Mixture

Base Course: 8 ins. ArDOT Class 7

Dock or dumpster service pavement areas should consist of 6 ins. PCP, fć = 4000 psi, over 6 ins. ArDOT Class 7. The PCCP should be jointed in accordance with ACI or PCA criteria. The concrete area should encompass the total dumpster service vehicle maneuvering area.

All pavement components should meet ArDOT Standard Specifications criteria except as specifically approved by the Engineer/Soils Engineer. Asphalt pavement mixtures should be compacted to ArDOT criteria and Base Course stone should be compacted to at least 96 percent of Modified Proctor ASTM D1557.

Site Grading

Select Fill and undercut backfill should consist of clayey sand/sandy clay or clay/sand/gravel blends classifying as CL, SC or GC. Fill should have a Liquid Limit less than 45 and Plasticity Index less than 18. The use of nonplastic, poorly graded sandy soils, SM, SP, or granular material in undercut is not recommended.

Fill for undercut or general grade raising in building areas should be compacted in nominal 8 ins. lifts to at least 95 percent of Modified Proctor ASTM D 1557 criteria. Select Fill and/or existing natural soils in pavement areas should be compacted to at least 92 percent of Modified criteria. Existing subgrade soils may be approved by the Soils Engineer after proofrolling in lieu of scarifying and recompaction. Water content at compaction should be in the range of minus 1 to plus 3 percent of Optimum Water Content for soil fill.

Excavation and undercut of soils should be possible with conventional excavating equipment. Footing and undercut excavation should be performed with a smooth bucket excavator to avoid disturbance of the subgrade soils or bearing strata.

During wetter seasons, some perched groundwater seepage and/or saturated soils may be encountered in Stratum I, especially in lower terrain and/or poorly filled stump holes. Seepage volume is expected to be low and of limited recharge, but could prevent proper placement and compaction of Select Fill in undercuts. Additionally, seasonal perched groundwater may also be encountered in trench excavations crossing low areas.

It is recommended that site grading activity be planned to minimize surface water ponding in excavations for footing/utilities. The foundation soils are subject to change of strength and compressibility with excessive drying or inundation. Accordingly, footing and undercut excavations should be completed expeditiously to prevent change in condition, i.e. either drying or wetting.

CONSTRUCTION PROCEDURES

The following additional practices are recommended for site grading planning and long-term performance:

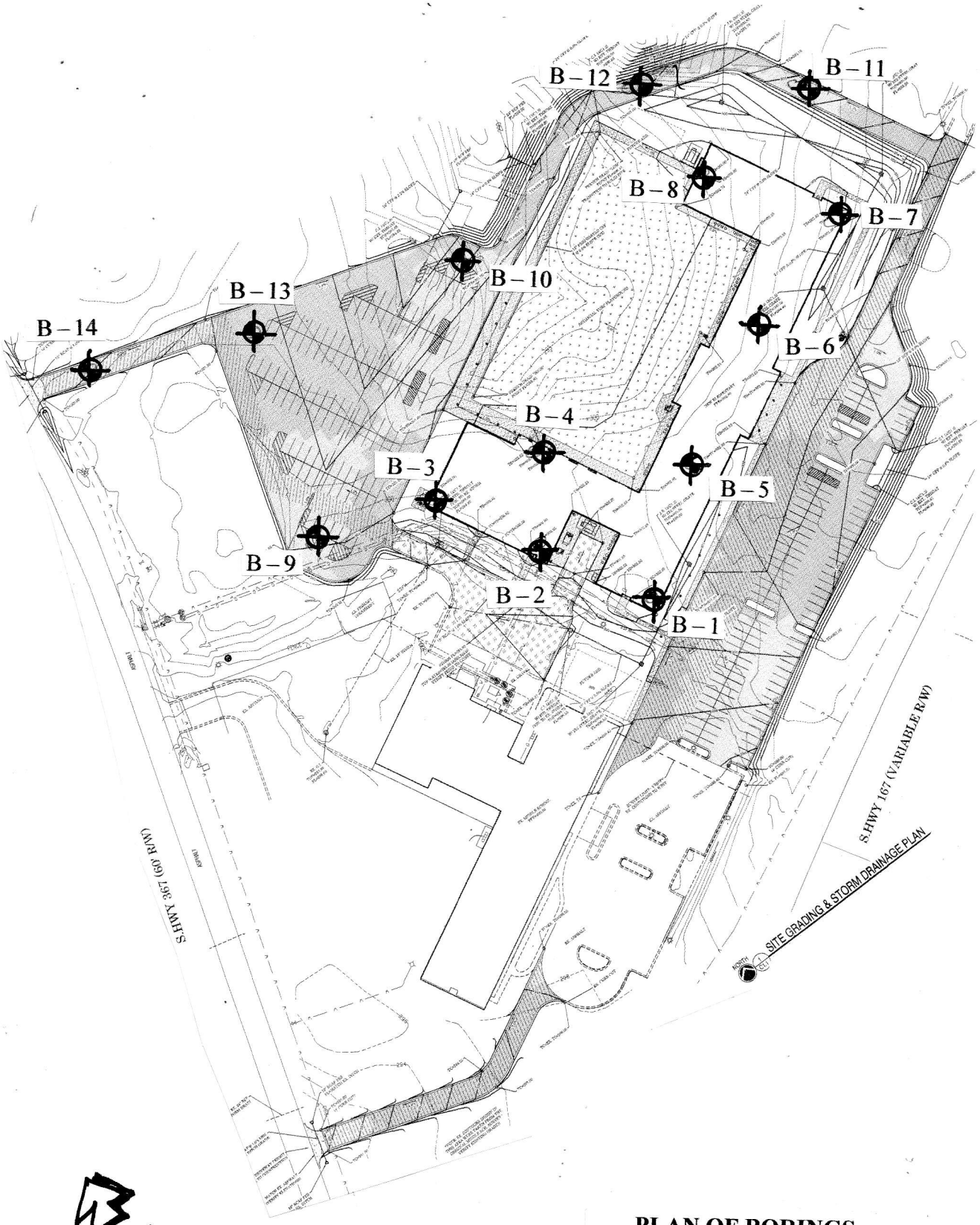
- Avoid planting deep rooted trees/shrubs closer to the buildings than 1.5 times the mature plant height.
- Backfill all plumbing or utility penetrations below footings or crossing pavement areas with Flowable Fill or lean concrete to prevent external groundwater movement below the building footing and slab area. The use of clean free draining stone fill in utility trenches below pavement or building areas is not recommended where exterior water can migrate along the stone bedding. Alternatively, trenches extending below footing elements may be plugged at the footing line with Flowable Fill or concrete.

The recommendations presented herein are based on stated structural conditions and soil/groundwater conditions encountered at fourteen (14) boring locations. Foundation and subgrade soil conditions at variance with those anticipated in design should be evaluated by the Soils Engineer. Additionally, requirements for selective undercut and special footing undercut should be determined by the Soils Engineer following observations during construction.

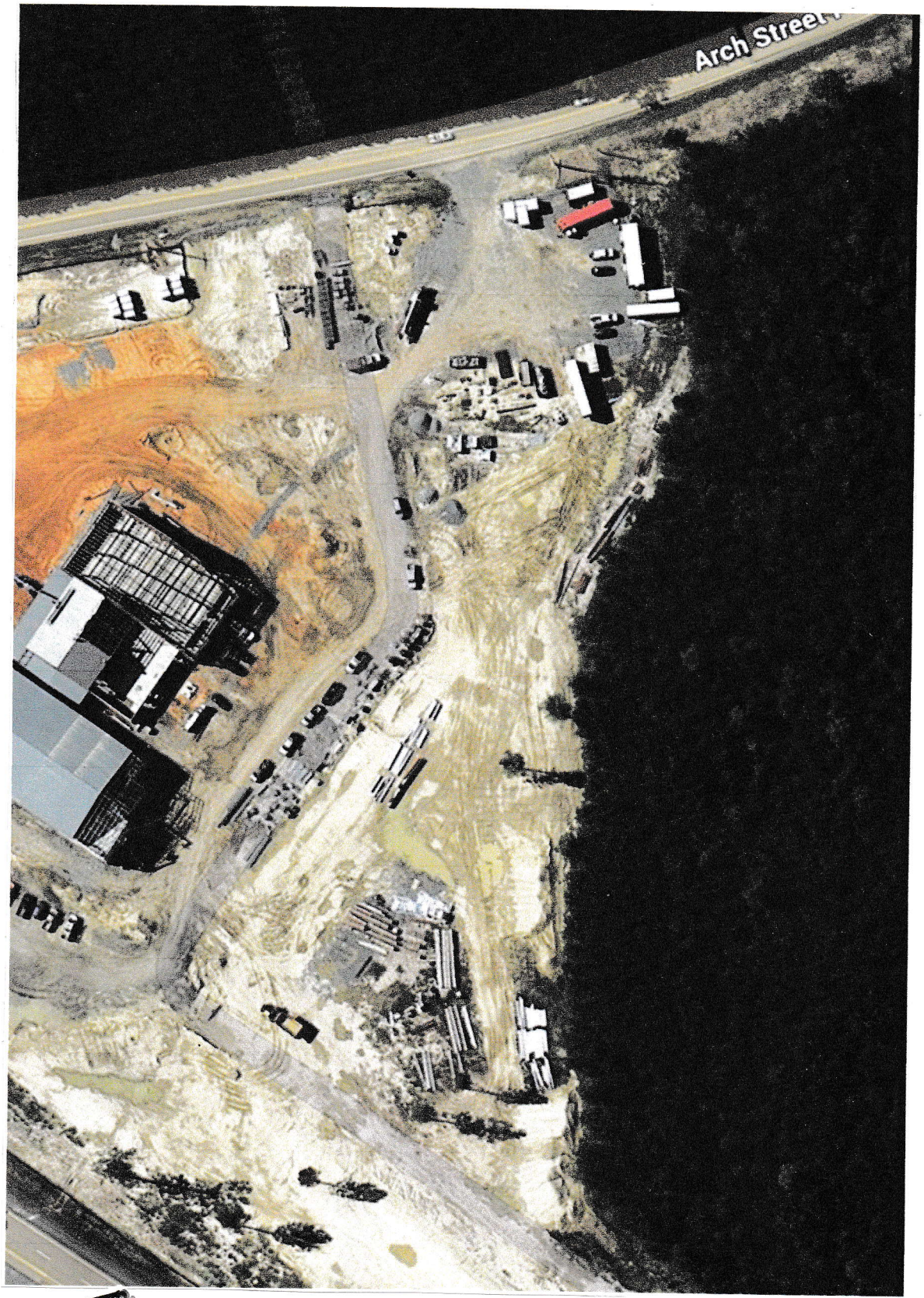
The following illustrations composed the remainder of this report.

Plan of Borings	Plate 1
Middle School “Laydown” Area	Plate 1A
Log of Boring	Plates 2 - 12
Key to Terms and Symbols	Plate 13

Cc: Lewis Architects Engineers
Attn: Will Denman AIA
Melinda Jester
Greeson Gatlin Gangluff
Attn: Randy Gangluff P.E.
Minton Engineering
Attn: Josh Minton P.E.



PLAN OF BORINGS
EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS



NORTH
N.T.S.

VIEW OF FORMER MIDDLE SCHOOL
"LAYDOWN" AREA

LOG OF BORING NO. 1

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

Type: AUGER/SPT Location: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL SURF EL: 301 ±	BLOWS PER FT	UNIT DRY WT, LB./CU FT	COHESION, TON/SQ FT 0.2 0.4 0.6 0.8 1.0 1.2 1.4 PLASTIC LIMIT / WATER CONTENT, % / LIQUID LIMIT 10 20 30 40 50 60 70	- NO 200, %
			POSSIBLE FILL: VERY STIFF GRAY AND BROWN CLAYEY SILT, ML-CL, TRACE ORGANICS, MOIST	7			
			FIRM GRAY SOME BROWN CLAYEY AND FINE SANDY SILT, ML, MOIST	2			
5			VERY STIFF GRAY AND TAN SILTY CLAY, CL, MOIST	7			
			- MOSTLY GRAY WITH TAN SILT PARINGS, MOIST	11			
				11			
10							
			STIFF GRAY AND TAN SILTY CLAY, CL, AND GRAY AND TAN FINE SAND, SP, PARTINGS, MOIST, LAMINATED	10			
15							
20							
25							

COMPLETION DEPTH: 15.0 FT
DATE: 2-17-2026

DEPTH TO WATER IN BORING: DRY AT DRILLING
DATE: 2-17-2026

GARNER ENGINEERING PA

PLATE 2

LOG OF BORING NO. 2

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

Type: AUGER/SPT

Location: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WT. LB./CU FT	COHESION, TON/SQ FT (0.2 0.4 0.6 0.8 1.0 1.2 1.4) / PLASTIC LIMIT — WATER CONTENT, % (10 20 30 40 50 60 70) — LIQUID LIMIT	- NO 200, %
			SURF EL: 300 ±				
			FILL: VERY STIFF BROWN SOME TAN SLIGHTLY CLAYEY SILT, ML, TRACE FINE SAND, MOIST	6			
			FIRM GRAY AND TAN SILTY CLAY, CL, WITH ORGANICS, WET	2			
5			STIFF GRAY AND TAN SILTY CLAY, CL-ML, MOIST	5			
			VERY STIFF GRAY CLAY, CL, WITH TAN SILT PARTINGS, MOIST	18			
				12			
10							
			- WITH MORE TAN FINE SANDY SILT, ML SM, PARTINGS	10			
15							
20							
25							

COMPLETION DEPTH: 15.0 FT
DATE: 2-17-2026

DEPTH TO WATER IN BORING: DRY AT DRILLING
DATE: 2-17-2026

GARNER ENGINEERING PA

PLATE 3

LOG OF BORING NO. 3

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

Type: AUGER/SPT Location: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL SURF EL: 300 ±	BLOWS PER FT	UNIT DRY WT, LB./CU FT	COHESION, TON/SQ FT 0.2 0.4 0.6 0.8 1.0 1.2 1.4 PLASTIC LIMIT / WATER CONTENT, % / LIQUID LIMIT 10 20 30 40 50 60 70	- NO 200, %
			VERY STIFF BROWN TRACE GRAY SLIGHTLY CLAYEY SILT, ML, DRY	6			
				6			
5			VERY STIFF BROWN AND TAN CLAYEY SILT, ML, TRACE FINE SAND, DRY	6			
			VERY STIFF BROWNISH GRAY SILTY CLAY, CL, DRY	25			
10			VERY STIFF GRAY SILTY CLAY, CL, WITH TAN FINE SAND PARTINGS, MOIST, LAMINATED	11			
15			- STIFF, MOIST	11			
20							
25							

COMPLETION DEPTH: 15.0 FT
DATE: 2-17-2026

DEPTH TO WATER IN BORING: DRY AT DRILLING
DATE: 2-17-2026

GARNER ENGINEERING PA

PLATE 4

LOG OF BORING NO. 4

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

Type: AUGER/SPT Location: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WT, LB./CU FT	COHESION, TON/SQ FT (0.2 0.4 0.6 0.8 1.0 1.2 1.4) / PLASTIC LIMIT — WATER CONTENT, % — LIQUID LIMIT (10 20 30 40 50 60 70)	- NO 200, %
			SURF EL: 300 ±				
			VERY STIFF GRAYISH BROWN SILT, ML, WITH ROOTLETS, DRY	8			
			VERY STIFF BROWN SOME TAN SLIGHTLY CLAYEY SILT, ML, TRACE FINE GRAVEL, DRY	7			
			VERY STIFF GRAY WITH TAN SLIGHTLY CLAYEY SILT, ML-CL, DRY	2			
5			VERY STIFF GRAY SILTY CLAY, CL, WITH TAN FINE SANDY CLAY PARTINGS, MOIST	11			
			- MORE TAN FINE SAND, SP, PARTINGS	15			
10							
			- STIFF WITH SANDY CLAY, MOIST	10			
15							
20							
25							

COMPLETION DEPTH: 15.0 FT
DATE: 2-17-2026

DEPTH TO WATER IN BORING: DRY AT DRILLING
DATE: 2-17-2026

GARNER ENGINEERING PA

PLATE 5

LOG OF BORING NO. 5

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

Type: AUGER/SPT Location: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WT. LB./CU FT	COHESION, TON/SQ FT (o) 0.2 0.4 0.6 0.8 1.0 1.2 1.4	PLASTIC LIMIT (+) WATER CONTENT, % (•) LIQUID LIMIT (+) 10 20 30 40 50 60 70	- NO 200, %
			SURF EL: 302 ±					
			SOFT GRAY AND TAN SILTY CLAY, CL, WET	4				
			SOFT TAN AND GRAY CLAYEY SILT, ML, WET	1				
5			- FIRM, MOIST	3				
			VERY STIFF GRAY CLAY, CL, TRACE TAN SILTY CLAY PARTINGS, MOIST	13				
10				11				
			STIFF TAN CLAY, CL, WITH TAN AND GRAY FINE SAND PARTINGS, MOIST	10				
15								
20								
25								

COMPLETION DEPTH: 15.0 FT
DATE: 2-17-2026

DEPTH TO WATER IN BORING: DRY AT DRILLING
DATE: 2-17-2026

LOG OF BORING NO. 6

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

Type: AUGER/SPT Location: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL SURF EL: 301 ±	BLOWS PER FT	UNIT DRY WT, LB./CU FT	COHESION, TON/SQ FT (o) 0.2 0.4 0.6 0.8 1.0 1.2 1.4 PLASTIC LIMIT (+) WATER CONTENT, % (•) LIQUID LIMIT (+) 10 20 30 40 50 60 70	- NO 200, %
			STIFF DARK BROWN SILTY CLAY, CL, MOIST	10			
			STIFF TAN AND GRAY CLAYEY SILT, ML-CL, MOIST	4			
5			STIFF BROWN AND GRAY SILTY CLAY, CL, MOIST	3			
			VERY STIFF GRAY SILTY CLAY, CL, TRACE TAN SILT PARTINGS, MOIST	20			
				13			
10							
			STIFF GRAY SILTY CLAY, CL, AND TAN FINE SANDY SILT, ML, MOIST, LAMINATED	9			
15							
20							
25							

COMPLETION DEPTH: 15.0 FT
DATE: 2-17-2026

DEPTH TO WATER IN BORING: DRY AT DRILLING
DATE: 2-17-2026

GARNER ENGINEERING PA

PLATE 7

LOG OF BORING NO. 7

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

Type: AUGER/SPT Location: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL SURF EL: 304.5 ±	BLOWS PER FT	UNIT DRY WT. LB./CU FT	COHESION, TON/SQ FT (o) 0.2 0.4 0.6 0.8 1.0 1.2 1.4 PLASTIC LIMIT / WATER CONTENT, % (+) / LIQUID LIMIT 10 20 30 40 50 60 70	- NO 200, %
			LOOSE BROWN FINE SANDY SILT, ML-SM, DRY	6			
			LOOSE GRAY AND TAN FINE SANDY SILT, ML-SM, MOIST	3			
5			FIRM GRAY AND TAN SILTY CLAY, CL, WET	1			
			VERY STIFF GRAY SLIGHTLY FINE SANDY CLAY, CL, WITH TAN FINE SAND PARTINGS, DRY	17			
			VERY STIFF GRAY SILTY CLAY, CL, TRACE TAN SILT PARTINGS, MOIST	11			
10							
			- STIFF, MOIST	11			
15							
20							
25							

COMPLETION DEPTH: 15.0 FT
DATE: 2-17-2026

DEPTH TO WATER IN BORING: DRY AT DRILLING
DATE: 2-17-2026

GARNER ENGINEERING PA

PLATE 8

LOG OF BORING NO. 8

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

Type: AUGER/SPT Location: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WT. LB./CU FT	COHESION, TON/SQ FT (o) 0.2 0.4 0.6 0.8 1.0 1.2 1.4	PLASTIC LIMIT (+) WATER CONTENT, % (•) LIQUID LIMIT (+) 10 20 30 40 50 60 70	- NO 200, %
			SURF EL: 302 ±					
			VERY STIFF TAN AND GRAY FINE SANDY SILT, ML SM, DRY	6				
			- DRY	12				
5			VERY STIFF GRAY SILTY CLAY, CL, WITH TRACE TAN SILT PARTINGS, DRY	16				
			- WITH FINE SAND PARTINGS, DRY	22				
			VERY STIFF GRAY SILTY CLAY, CL, AND TAN FINE SAND, SP SM, LAMINATED, DRY	20				
10								
			- MOIST	11				
15								
20								
25								

COMPLETION DEPTH: 15.0 FT
DATE: 2-17-2026

DEPTH TO WATER IN BORING: DRY AT DRILLING
DATE: 2-17-2026

LOG OF BORING NO. 9

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

TYPE: AUGER/SPT — LOCATION: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL (SURF. EL: 300 ±)	BLOWS PER FT	UNIT DRY WT. LB/CU FT.	COHESION, TON/SQ FT (0.2 0.4 0.6 0.8 1.0 1.2 1.4) PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70)	- No. 200, %
			STIFF BROWN SILT WITH ROOTLETS, DRY	10			
			VERY STIFF LIGHT BROWN SLIGHTLY CLAYEY SILT ML-CL, DRY	4			
			VERY STIFF GRAY AND TAN SILTY CLAY, CL-ML, MOIST				
5			- STIFF MOSTLY GRAY, MOIST	3			
10							

COMPLETION DEPTH: 5.5 FT — DEPTH TO WATER
DATE: 2-17-2026 — IN BORING: DRY AT DRILLING — DATE: 2-17-2026

LOG OF BORING NO. 10

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

TYPE: AUGER/SPT — LOCATION: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLE	DESCRIPTION OF MATERIAL (SURF. EL: 297 ±)	BLOWS PER FT	UNIT DRY WT LB/CU FT	COHESION, TON/SQ FT (0.2 0.4 0.6 0.8 1.0 1.2 1.4) PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70)	- No. 200, %
			VERY STIFF BROWN SILTY CLAY, CL, DRY	11			
			VERY STIFF GRAY WITH TAN SILTY CLAY, LC, DRY	11			
5			VERY STIFF GRAY AND TAN CLAYEY FINE SAND, SC, AND FINE SAND, SP, DRY	16			
10							

COMPLETION DEPTH: 5.5 FT — DEPTH TO WATER
DATE: 4-1-2026 — IN BORING: DRY AT DRILLING — DATE: 4-1-2026

LOG OF BORING NO. 11

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

TYPE: AUGER/SPT — LOCATION: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WT. LB/CU FT.	COHESION, TON/SQ FT (0.2 0.4 0.6 0.8 1.0 1.2 1.4) PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70)	- No. 200, %
			SURF. EL: 304 ±				
			VERY STIFF GRAY WITH TAN SILT, ML, DRY	8			
			VERY STIFF GRAY AND TAN SLIGHTLY CLAYEY SILT, ML-CL, DRY	10			
5				14			
10							

COMPLETION DEPTH: 5.5 FT
DATE: 4-1-2026

DEPTH TO WATER
IN BORING: DRY AT DRILLING DATE: 4-1-2026

LOG OF BORING NO. 12

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

TYPE: AUGER/SPT — LOCATION: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLE	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WT LB/CU FT	COHESION, TON/SQ FT (0.2 0.4 0.6 0.8 1.0 1.2 1.4) PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70)	- No. 200, %
			SURF. EL: 299 ±				
			VERY STIFF TAN AND GRAY SLIGHTLY CLAYEY SILT, ML, MOIST	5			
			- STIFF, MOIST	5			
5			STIFF GRAY WITH TAN SILTY CLAY, CL, TRACE FERROUS, MOIST	8			
10							

COMPLETION DEPTH: 5.5 FT
DATE: 4-1-2026

DEPTH TO WATER
IN BORING: DRY AT DRILLING DATE: 4-1-2026

LOG OF BORING NO. 13

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

TYPE: AUGER/SPT

LOCATION: SEE PLATE 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WT. LB/CU FT.	COHESION, TON/SQ FT (0.2 0.4 0.6 0.8 1.0 1.2 1.4) PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70)	- No. 200, %
			SURF. EL: 301 ±				
			STIFF GRAY WITH TAN SLIGHTLY CLAYEY SILT, ML-CL, DRY	5			
			- GRAY WITH ROOTLETS, DRY	10			
5			- DRY	10			
10							

COMPLETION DEPTH: 5.5 FT
DATE: 4-1-2026

DEPTH TO WATER
IN BORING: DRY AT DRILLING DATE: 4-1-2026

LOG OF BORING NO. 14

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

TYPE: AUGER/SPT

LOCATION: SEE PLATE 1

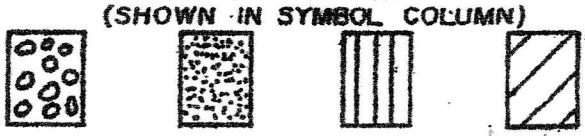
DEPTH, FT	SYMBOL	SAMPLE	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WT LB/CU FT	COHESION, TON/SQ FT (0.2 0.4 0.6 0.8 1.0 1.2 1.4) PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70)	- No. 200, %
			SURF. EL: 300 ±				
			VERY STIFF BROWN WITH GRAY CLAYEY SILT, ML, ROOTLETS, DRY	8			
			- DRY	11			
5			VERY STIFF GRAY WITH TAN SILTY CLAY, CL, DRY	17			
10							

COMPLETION DEPTH: 5.5 FT
DATE: 4-1-2026

DEPTH TO WATER
IN BORING: DRY AT DRILLING DATE: 4-1-2026

SYMBOLS AND TERMS USED ON BORING LOGS

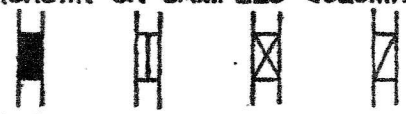
SOIL TYPES
(SHOWN IN SYMBOL COLUMN)



Gravel | Sand | Silt | Clay

Predominant type shown heavy

SAMPLER TYPES
(SHOWN ON SAMPLES COLUMN)



Shelby Tube | Rock Core | Split Spoon | No Recovery

TERMS DESCRIBING CONSISTENCY OR CONDITION

COARSE GRAINED SOILS (major portion retained on No. 200 sieve): Includes (1) clean gravels and sands, and (2) silty or clayey gravels and sands. Condition is rated according to relative density, as determined by laboratory tests.

DESCRIPTIVE TERM	N-VALUE	RELATIVE DENSITY
VERY LOOSE	0-4	0-15%
LOOSE	4-10	15-35%
MEDIUM DENSE	10-30	35-65%
DENSE	30-50	65-85%
VERY DENSE	50 And above	85-100%

FINE GRAINED SOILS (major portion passing No. 200 sieve): Includes (1) inorganic and organic silts and clays, (2) gravelly, sandy, or silty clays, and (3) clayey silts. Consistency is rated according to shearing strength, as indicated by penetrometer readings or by unconfined compression tests.

DESCRIPTIVE TERM	UNCONFINED COMPRESSIVE STRENGTH TON / SQ. FT.
VERY SOFT	Less than 0.25
SOFT	0.25 - 0.50
FIRM	0.50 - 1.00
STIFF	1.00 - 2.00
VERY STIFF	2.00 - 4.00
HARD	4.00 and higher

NOTE: Slickensided and fissured clays may have lower unconfined compressive strengths than shown above, because of planes of weakness or cracks in the soil. The consistency ratings of such soils are based on penetrometer readings.

TERMS CHARACTERIZING SOIL STRUCTURE

SLICKENSIDED — having inclined planes of weakness that are slick and glossy in appearance.

FISSURED — containing shrinkage cracks, frequently filled with fine sand or silt; usually more or less vertical.

LAMINATED — composed of thin layers of varying color and texture.

INTERBEDDED — composed of alternate layers of different soil types.

CALCAREOUS — containing appreciable quantities of calcium carbonate.

WELL GRADED — having wide range in grain sizes and substantial amounts of all intermediate particle sizes.

POORLY GRADED — predominantly of one grain size, or having a range of sizes with some intermediate sizes missing.

Terms used in this report for describing soils according to their texture or grain size distribution are in accordance with the UNIFIED SOIL CLASSIFICATION SYSTEM, as described in Technical Memorandum No. 3-357, Waterways Experiment Station, March 1953.

GARNER ENGINEERING P.A.

New Elementary School
East End
Sheridan Public Schools
Sheridan, Arkansas

Report
To

LEWIS ARCHITECTS ENGINEERS
ATTN: MR. WILL DENMAN, AIA
11225 HURON, SUITE 104
LITTLE ROCK, AR 72211

Little Rock, Arkansas
May 24, 2026

Section 09 65 66

RESILIENT ATHLETIC FLOORING

PART ONE - GENERAL

1.1 DESCRIPTION

A. Work included: The complete installation of a pre-fabricated 100% pure vinyl P.V.C. sport surface sheeting material with a slip sheet moisture barrier and rubber base.

1.2 QUALITY ASSURANCE

A. Acceptable manufacture: Shall be experienced in the production of pre-fabricated P.V.C. sport surfaces. System must be approved by the World Volleyball and Basketball Federations.

B. Acceptable installer: Must submit a list of at least ten (10) projects of similar magnitude and complexity and be approved by sports surfacing manufacturer.

1.3 SUBMITTALS

A. General: Comply with pertinent provisions of Section 01 33 23.

B. Manufacturer's data: Within 30 calendar days after award of contract, submit:

1. Complete materials list of all items proposed to be furnished and installed under this Section.
2. Manufacturer's specifications and other data required to demonstrate compliance with the specified requirements.
3. Samples of each item, color, and pattern available in the specified products from the proposed manufacturer.
4. Manufacturer's recommended methods of installation.

The manufacturer's recommended methods of installation, when approved by the Architect, will become the basis for inspecting and accepting or rejecting actual installation methods used on the Work.

1.4 PROJECT HANDLING

A. Protection: Use all means necessary to protect the materials of this section before, during and after installation and to protect the work and materials of all other trades.

B. Replacements: In the event of damage, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

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1.5 DELIVERY AND STORAGE

A. Deliver packaged materials and store in original containers with seals unbroken and labels intact until time of use, in accordance with manufacturer's instructions. Protect work until accepted by Owner.

PART TWO – PRODUCT

2.1 PREFABRICATED P.V.C. SPORT SURFACE

A. Prefabricated P.V.C. Sport Surface: Taraflex Sport M Plus as manufactured by Gerflor USA. The flooring shall be available in manufacturer's standard colors. Refer to the drawings for floor pattern and number of colors required.

1. Acceptable manufacturers:
   a. Tarkett Omnisports
   b. Architect approved equal

B. Prefabricated P.V.C. surface shall be 2.1 mm over 4.4 mm vinyl foam backing for a total thickness of not less than 7 mm or 0.28". The material to be provided in 4'11" widths and in maximum 95'0" lengths.

2.2 SLIP SHEET MOISTURE BARRIER

A. Barrier shall have a total thickness of 1.5 mm (0.6"), which consists of a compacted 1.0 mm. thick fiberglass layer with a 0.5 mm thick embossed PVC backing. The material must be waterproof and an insulating fiber-glass underlayment that creates a vapor barrier between the subfloor and the flooring material providing dimensional stability, heat insulation, sound absorption and moisture control within specific tolerances.

2.3 ADHESIVE

A. All adhesives shall be approved by the manufacturer and applied in strict accordance with the adhesive manufacturer's instructions.

2.4 LINE MARKING

A. To be supplied by sport surface manufacturer and installed as shown on floor plan.

PART THREE – EXECUTION

3.1 GENERAL

A. Variations in the concrete slab shall not exceed + or – l/8" in a 10'0" radius. Cracks, grooves and other imperfections shall be repaired and the slab shall be swept broom clean by the general contractor. All work required to put the subflooring in acceptable conditions shall be the responsibility of the general contractor. All concrete subfloor installations should follow the resilient flooring institutes recommendations (RFI) or (RMA).

3.2 INSTALLATION

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A. Install prefabricated P.V.C. sport surface and moisture barrier in accordance with the latest manufacturer's recommendations.

B. Courtlines to be installed as per manufacturer's recommendations.

END OF SECTION

Specifications

05/20/2026

Item	Qty	Description
		EXISTING/RE-USE EQUIPMENT Existing/Re-Use Equipment 1. Utility disconnection and reconnection; Under Division 22 and 26 2. KEC shall disassemble, remove, transport and relocate: Under this section and schedule with General Contractor: Owner's representative must be present, coordinate/time with owner 3. Review functional parts (e.g. doors, controls, heating elements, compressor etc.) and submit a report of required repairs and estimates of cost if necessary 4. Existing equipment not scheduled for re-use is to be carefully removed under this Section; at Owner's discretion 5. Removal or replacement of existing equipment is to be scheduled for times of least interruption and inconvenience to foodservive operation. Submit proposed schedule of time frame, task sequence and operation for approval prior to starting work. EXCESSIVE TRIPS TO BE HELD AT A MINIUM. Any reference to "Contractor" below shall be understood same as "Construction Manager"
K-01	1 ea	**WALKIN COOLER/FREEZR** Thermo-Kool Model No. WALKIN COOLER/FREEZER: Custom per Plans and Specifications Provide the following: 1. Standard features and accessories. 2. Furnish and set in place as per the Manufacturer’s recommended standardized specifications and/or as follows: General Requirements: 3. All Installers shall hold a current Class A Certified Air Conditioning and Refrigeration Contractors License, registered with the State of Arkansas, Installers/Contractors shall have a minimum of five (5) years in refrigeration as their primary business, and shall provide walk-in cooler/freezer installation reference documentation to the Architect upon request. 4. The Walk-In Cooler(s) and/or Freezer(s) shall be installed by the Manufacturer’s approved Installer. The installations shall meet or exceed the requirements of the Standard Building Code; copies of the report shall be submitted to the A/E and shall also be

Item	Qty	Description

provided in the Owners Maintenance/Operation Manual.

Codes & Standards:
5. The manufacturer shall comply with applicable National Sanitation Foundation (N.S.F) Standards and recommended criteria. Provide Walk-In Cooler(s) and/or Freezer(s) unit with an N.S.F. “Seal of Approval.”
6. The Manufacturer shall comply with the 2009 Energy Code as mandated by the Department of Energy, Section 312(b) of EISA which amends Section 342 of EPCA by adding new subsection 342(f)(1) (42 U.S.C. 6313(f)(1)), which establishes prescriptive standards for Walk-In Coolers and Freezers manufactured on or after January 1, 2009. In addition, the Manufacturer shall meet the “2007 (EISA) Energy Independence & Security Act.”
7. Health Code: Installation of Walk-In Cooler(s) and/or Freezer(s) shall be in accordance with local Health Department Regulations that are applicable to this Project.
8. Building Code: Walk-In Cooler(s) and/or Freezer(s) shall be constructed and installed to meet or exceed the requirements of the Standard Building Code.
9. National Electric Code: Construction and installation shall be in accordance with and meet or exceed all applicable Code Requirements.
10. Standard Plumbing Code: Construction and installation shall be in accordance with and meet or exceed all applicable Code Requirements.

Submittals:
11. Product Data: Submit six (6) sets of the Manufacturer’s technical product data and installation instructions for each unit. This shall include all utility rough-in requirements (i.e., plumbing, electrical), refrigeration requirements, dimensions, performances, materials, Manufacturer’s model numbers, furnished accessories, and all similar information.
12. Shop Drawings: Submit six (6) sets of dimensioned rough-in drawings no smaller than ¼” (6mm/1.40) to the foot, showing all mechanical and electrical requirements.
13. Maintenance Data: Submit maintenance data and parts lists for each unit. Include in this information all product data, shop drawings, and wiring diagrams in a maintenance manual.
14. Warranties: Walk-In Cooler(s)/Freezer(s) shall be guaranteed for a period of one (1) year on all parts, labor, and against poor workmanship and defective materials. Polyurethane closed cell insulation shall be fully warranted for ten (10) years against moisture intrusion. After an inspection authorized by the Manufacturer, should any part of the product prove to be

Item	Qty	Description

defective in material or workmanship, it shall be repaired or replaced free of charge, the F.O.B. factory. This warranty will not apply to accessories or components supplied but manufactured by other companies who furnish their own warranties. There are no other warranties expressed or implied.
15. Compressors shall be warranted for an additional four (4) years after initial one (1) year warranty expires.
16. Include a one (1) year labor warranty as part of the initial warranty package.

Product Data:
Exterior Size:
17. All bids shall be based on Architect's overall dimensions as shown on Contract Documents. All Walk-In Cooler(s) and/or Freezer(s) shall be 8'-6" overall height unless otherwise stated.

Walk-In Cooler(s) and/or Freezer(s)
18. All Walk-In panels, refrigeration components, motors, and controls shall be factory- assembled, delivered, and ready for operation.

General Information:
19. All panels shall consist of interior and exterior metal surfaces precision roll formed to exact dimensions with double 90-degree edges to enhance overall panel rigidity. The finished metal surfaces shall be fitted with a teardrop profile gasket and placed in precision-tooled fixtures where they are injected with foamed-in-place urethane insulation. Curing of the insulating core shall take place at a controlled temperature within the foaming fixture to provide permanent adhesions to the metal surface, to allow uniform foam expansion, and to maximize finished panel strength. Panel edges shall have a molded urethane tongue and groove profile of insulation factor equal to core material (i.e., "Soft-Edge" construction) to accurately align panels during installation and to assure an airtight seal. No structural wood, steel, straps, or other non-insulating materials shall be used in panel construction. All gaskets shall be
N.S.F. approved and impervious to grease, oil stains, and mildew. Finished panels must be U.L. Classified building units and each shall bear the Underwriters Laboratory Label.
20. Finished wall panels will be 4" thick and will be provided in 11 ½", 23", 34 ½", and 46" or custom widths to conform to Project Drawings. All ceiling panels shall be 4" thick and of the same type construction. Corner panels shall be one-piece 90-degree angled construction and shall measure 12" x 12" or 12" x 6 ½" where required. For units with multiple compartments, specially

Item	Qty	Description

designed “Tee” panels shall be provided to form partition walls to outside wall junctures. “Tee” panels shall measure 23” x 12” or 23” x 6 ½” where required. All panels shall be interchangeable with the panels or standard doorframe sections for fast and easy assembly.
21. All field penetrations of panels, electrical, refrigerant piping, or condensate piping shall be sealed with silicone caulk. This shall be done prior to starting the refrigeration.

Insulation:
22. Insulation shall be High-Pressure Impingement Mixed (HPIM) foamed-in-place urethane, minimum 2.4 lb. per cubic foot density, fully heat cured, and bonded to metal finishes. The insulation shall be manufactured using an HCFC-14 lb. expanding agent, which has an ozone depletion rating of 0.1 BTU/HR/Sq.Ft./Degree Fahrenheit/Inch of thickness across the entire width of the panel. The overall coefficient of heat transfer (“U” factor) shall not exceed .033 and the resistance to heat penetration (“R” factor) shall not be less than 30. The insulation shall have a 97% closed cell structure to prevent the absorption of liquids. The finished aluminum panel (not just the core material) shall be listed by Underwriters Laboratories as a Class 1 (U.L-723) building material and demonstrate a flame spread rating of 20 or less and smoke developed of 350 or less in accordance with A.S.T.M.-E84 Standards. This rating is not intended to reflect hazards presented by this or any other material where under actual fire conditions.

Panel Fasteners:
23. Assembly or Walk-In shall be accomplished by the use of cam-action locking mechanisms precisely positioned along the outside tongue or groove edges of each panel to exactly correspond with a matching mechanism in the adjacent panel. Cam lock spacing on vertical joints shall not exceed 46” and at the junction of vertical and horizontal joints by 23”. Cam locks shall be foamed-in-place and anchored securely in the panel by steel “wings” integral to the lock housing. Cam locks shall be operated through access ports by the use of a hex wrench, thereby, pulling the panels together and establishing an airtight seal. All-access ports shall be located on the Walk-In interior to facilitate assembly when close to building structures and shall be covered by vinyl snap-in caps after final assembly. Complete step-by-step assembly, instructions, and erection drawings shall be supplied by the Walk-In Manufacturer.

Item	Qty	Description

Floor Construction:
24. 16-Gauge galvanized aluminum – Entire Walk-In Cooler shall be set in an 8” deep depression in the floor. The kitchen Equipment Contractor shall caulk, seal, furnish, and install matching metal trim at vertical junctures with building walls. Trim shall be installed in a neat manner and attached with a minimum number of symmetrically located fasteners to insure a tight fit.

Exterior Corner Protection:
25. Provide and install 96” x 2” x 2”, 18-gauge stainless steel with a No. 4 finish angle protector at exterior corners where exposed to traffic or damage. See Drawings for locations when and where applicable.

Hinged Walk-In Door and Door Panel:
26. All doors on this Project shall be 34” (net clear) width doors unless otherwise stated. Entrance doors are constructed similarly to other panels and shall be flush mount, magnetic in-fitting type. Door sections shall be constructed to conform to Underwriters Laboratories Standards for electrical safety and shall bear all appropriate UL Listing Labels. The perimeter of the door and frame shall be built of fiberglass reinforced plastic (FRP) pultrusion weighing not less than 8.4 #/lineal foot or similar. All protrusions shall be non-corrosive, rust proof, and listed by the National Sanitation Foundation (N.S.F). Doorjamb shall house a doorframe heater circuit and a magnet attracting stainless steel trim strip. Provide a 16-gauge stainless steel threshold plate as part of the doorframe/interior ramp assembly. Doorframe shall be equipped with flexible bellows type vinyl door gasket with magnetic core and flexible

EPDM (ethylene propylene diene monomer) door sweep. All standard door frame sections 46”, 57 ½” or 69” wide shall be equipped with a Kason, Model No.
1806LED000 vapor proof LED light fixture and unbreakable optic Lexan globe, NSF listed and centered above the door. Fixture shall include, one (1) lamp, cULus listed,
11.5 watts, 120/60/1 phase, light output: 980 lumens, 85 lumens/watt – exceeds Federal Energy Act requirements. Lamp shall be prewired to a rocker-type light switch with a pilot light unless otherwise specified. In addition, provide a standard 2 ½” diameter dial-type thermometer (to be located above the door and protected from damage). An aluminum braided heater wire with integral circuit closure provides activation while the refrigerated room is within all doorframes. Provide a mechanism to prevent the door from coming into contact with any

Item	Qty	Description

Cooler/Freezer panel.

Door Hardware:
27. Standard 3- Hinges per door.
28. Kitchen Equipment Contractor to furnish non-removable phenolic labels in both English and Spanish designating individual component usage i.e., “Cooler/Refrigerdor”; Freezer/Congelador.” Labels are to be sized for ease of view as follows: Legend white on red background with lettering 1 ½” (38mm), the overall size of the label to be 12” (305mm) x 2” (50mm). Refer to Detailed Drawing for placement and layout of lettering.

Light Fixtures:
29. In addition to the light fixture mounted onto the door panel, the Cooler/Freezer shall have energy-efficient LED light fixtures as required to meet the 2009 Energy Code, to illuminate the general interior of the unit. Provide quantity as per Plan, ceiling mounted Standard.
30. All electrical conduits shall be mounted in such a manner that there will be no exposed conduit in the refrigerated areas. All penetrating conduits must be sealed to prevent condensation from forming inside the light fixtures. Manufacturer to pre-drill equally spaced holes for light fixtures in the ceiling panels to facilitate field installation.

Finishes:
31. The interior and exterior finish on all panel surfaces shall be manufactured of the following premium-grade materials. The gauge or thickness of the metal material listed is rated prior to embossing.

Interior/Exterior:
32. Interior: All walls, .040 stucco aluminum, exception interior jambs (min. 18” left and right of each door), 48” high x 1/8” (0.125) aluminum diamond treadplate wainscot. Ceiling: Aluminum stucco, pre-painted white.
33. Exterior: 26-gauge stucco embossed galvanized steel, back and both side, front, 040 stucco aluminum, with 48” high x 1/8” (.125) aluminum diamond treadplate wainscot on front of box.

Enclosure Panels and Trim:
34. K.E.C to field verify the distance from the top/finished edge of the Walk-In(s) to the finished enclosure panel(s) and trim of the same finish as the exterior wall of the Walk-In to which it is attached.

Item	Qty	Description

35. Pressure Relief Port: Provide and install in both Cooler/Freezer.
36. A heated relief port shall be provided in all compartments operating at 0-degree F or below to equalize the difference of pressure on the exterior of the Walk-In and the pressure on the interior caused by sudden temperature changes due to open doors, loading product, and defrost coils. The relief port shall be provided in a side panel located away from the direct air stream flowing from the evaporator coils. It must be designed so that air can move into the Walk-In or out of it.

Installation:
37. Assemble and set each unit securely in place, level and adjust to the correct height in strict accordance with the Manufacturer's instructions.
38. All refrigeration lines shall be protected with a minimum of ¾" (19mm) (wall- thickness) U/V-protected Armaflex.

Accessories:
39. Optional Equipment, Accessories, and Features to be included –
40. Provide as required, Model #XWA11V, 100 x 84mm format is a microprocessor- based control, suitable for temperature monitoring and alarming in a Walk-In Cooler or Freezer. It is to be provided with two (2) dry contacts to control lights and an external alarm. It is provided with one (1) NTC probe input for temperature measurement. The units have two digital inputs, one for a door switch and the second as an optional panic switch. One (1) five-pin input allows the user to program a parameter list with a "hotkey." Unit to be complete with all standard components and/or accessories including the following:
41. Hi/Low-temperature alarms with delays.
42. Lighting management auto-shutoff.
43. Door open alarm.
44. Panic alarm.
45. Battery backup option.
46. Optional 2-zone phone dialer.
47. Vinyl strip curtains: Clear vinyl strip curtains shall be installed behind all entrance doors and withstand operating temperature extremes of -20˚F to +160˚F.
48. Door kickplates: Provide on all doors and jams (exterior sides) with 48" high, 1/8" (0.125) polished aluminum diamond kickplates. Provide internal support shall be built-in to each door to facilitate the future replacement of damaged kickplate(s).
49. Cold Storage Refrigeration System: General Requirements for Remote Refrigeration Systems –

Item	Qty	Description

50. The UL Listed air-cooled refrigeration system shall be housed in a weather-protected compact structural steel frame. The unit shall include an air-cooled aluminum fin copper tube condenser, designed to operate at 15 degrees TD.
51. Each unit shall be equipped with a ball-bearing fan motor, adjustable head pressure control, crankcase heater, suction filter, sight glass, drier, liquid line inlet and outlet valve, defrost cycle, and stainless-steel super hose connections.
52. All compressor units shall be hermetic or scroll-type and factory assembled to operate with the refrigerant specified. Both low and medium-temperature units must comply with DOE "latest" standards.
53. All refrigerant lines shall be extended to one side of the package in a neat and orderly manner.
54. All tubing shall be securely supported and anchored with non-corrosive coated clamps.
55. All piping and controls shall be factory pressure-tested with nitrogen at 200 PSI.

56. The package shall have a factory-mounted and pre-wired control panel complete with main fused disconnect, circuit breakers, contractors, and time-clocks (where required) wired for single-point connection.
57. Refrigeration Contractor: This shall verify all dimensions and coordinate with other trades, prepare the platform, and curbed openings, and weatherproof the unit after installation.
58. All copper tubing to be refrigerant grade A.C.R. or type "L".
59. 15% Silphos brazing should be used for all refrigerant-piping connections. Silver solder or soft solder is NOT acceptable.
60. All piping is to be pressure tested with nitrogen at 300 PSI. After the condensing unit and coil have been connected, the balance of the system shall be leaked tested with the valves open at 200 PSI.
61. The complete system shall be evacuated with a vacuum pump. Each unit should be charged, tested, and adjusted to assure operation.
62. Refrigeration Contractor shall provide and install the condensate drain-line heater in any Walk-In Freezer applications. The heater shall be connected by the Electrical Contractor (Division 26).
63. Electrical Contractor (Division 26) to provide power for refrigeration package and connect control and defrost system as called for in the wiring diagram.
64. Electrical Contractor (Division 26) to connect drain-line heater in the Freezer.
65. All electrical wiring and installation shall be in accordance with

Item	Qty	Description
		the wiring diagram. As supplied by the Manufacturer. 66. Plumbing Contractor (Division 22) to provide A.C.R. or "L" copper drain lines for Walk-In refrigerator and/or Freezer, pitched 4" per foot of run. Trap drain-line outside of refrigerated space to avoid entrance of warm, moist air. 67. Plumbing Contractor (Division 22) to provide individual condensate drain-line for each evaporator unless other arrangements are made. 68. All plumbing installation shall be in accordance with Local Codes. 69. Provide shop Drawings for approval prior to fabrication. 70. Evaporator shall be interconnected to the compressor rack. 71. Electrical Contractor (Division 26) to provide wire and conduit from the coil junction box to the junction box on top of the walk-in. Install a junction box on top of the Walk- In. Install junction box on top of Walk-In ready for one (1) final field connection. 72. Must meet all applicable Federal, State, and Local Laws, Rules, Regulations, and Codes pre-approved by equal Manufactures: American Panel, Thermalrite.
	1 ea	Supreme Fixture TRIM Trim, Custom Fabrication As Per Shop Drawings **Any roof curbs to be provided and installed by Roofing Contractor** **Any Pitch Pan (if required) by Roofing Contractor.**
K-07		**SOILED DISHTABLE; 1 REQUIRED** Custom Fabricate in accordance with the General and Specific Conditions of these Specifications, Elevations and as shown on the drawings as follows Soiled. 14 gauge stainless steel top with 12" splash as shown 18 gauge stainless steel undershelves welded to the legs, as shown 1-5/8" O.D stainless steel legs, stainless steel bullet feet 1-5/8" O.D stainless steel cross rails (if applicable) Integral sinks, 14 gauge stainless steel coved, size, shape and depth as shown (if applicable) with lever handle drain, with overflows (if applicable) Integral to the tabletop shall be a pass window sill, header, & jamb length x width as required, leading edge fascia shall have a 1/2" marine edge terminating at a 2" turndown at exterior (if applicable) make provision as required for roll down door Provide integral with soiled dish table (item #K14) provide and install Salvajor scrap collector. Per Elevation
K-08		**CLEAN DISHTBALE; 1 REQUIRED** Custom Fabricate in accordance with the General and Specific Conditions of these Specifications, Elevations and as shown on

Item	Qty	Description
		the drawings and as follows Soiled & Clean Dishtables. 14 gauge stainless steel top with 12" splash as shown 18 gauge stainless steel undershelves welded to legs, as shown 1 5/8" O.D stainless steel legs, stainless steel bullet feet 1 5/8" O.D stainless steel cross rails (if applicable) Integral sinks, 14 gauge stainless steel coved, size, shape, and depth as shown (if applicable) with lever handle drain, with overflows (if applicable) Provide open areas for roll-in equipment (if applicable) Provide 14 gauge stainless steel integral scrap cone (if applicable) Install Table limit switch, wired to Dishmachine, location as shown on drawings. **This unit is to be welded integral with #K-19.**
K-10		**ROLL-UP DOOR; 1 LOT**
K-11		**PASSWING ENCLOSEMENT; 1 LOT** Custom Fabricate in accordance with the General and Specific Conditions of these Specifications, Elevations and as shown on the drawings as follows Soiled and Clean Dishtables. Integral with Soiled Dishtable, Provide with stainless steel head 16 gauge and jambs. **Refer to Item# K-07 and Plans and Elevations**
K-12		**SILVERWARE CHUTE; 1 REQUIRED** Custom Fabricate in accordance with the General and Specific Conditions of these Specifications, Elevations and as shown on the drawings as follows. Location as per Plan below Pass Window Sill provided shall be a silverware chute, 16 gauge stainless steel. Type 304, #4 Finish (size and shapes as per plan detail drawings) 2" flanges full perimeter at face, length, integral to the wall thickness +9 height 23" at exterior of dishroom, 17" at interior (below dishtable) at rear provide a full perimeter stainless steel collar.
K-13	1 ea	**SOAK SINK** Advance Tabco Model No. 9-FSS-20 Soak Sink, portable, 20" working height, sink outlet fitted with quick-release drain, 22" x 22" x 8" deep fabricated sink compartment, stainless steel construction, casters, accommodates 19-3/4" x 19-3/4" dishwasher baskets (by others) **Modify Height to 16" high** **Or Custom Fabricate**
K-14	1 ea	**WASTE COLLECTOR** Salvajor Model No. S914 Scrap Collector™, scrapping, pre-flushing & collecting system (widely accepted in areas where disposers are restricted), NEMA 4

Item	Qty	Description
		HYDROLOGIC® control panel with patented operator sensor, two water saving modes (timed run & auto start/stop), safety line disconnect, LCD readout, salvage basin & silverware trap, scrap basket, 3/4 HP corrosion-resistant pump, pump intake screen, stainless steel construction, UL, CSA, CE, NSF
	1 ea	Collector top is available to ship to the fabricator in advance of unit (additional shipping charges will apply). Please provide instructions on order
	1 ea	Specify voltage
	1 ea	1219 Trough Collector™ rack guide
	1 ea	992013 Additional scrap basket
K-15	1 ea	**DISHWASHER, CONVEYOR TYPE** Hobart Model No. CL44-BAS+BUILDUP Conveyor Dishwasher, single tank, (202) racks/hour, insulated hinged doors, .45 gallon/rack, Complete Delime with Booster Guard, Touch Screen Controls with diagnostics, troubleshooting, and SmartConnect App, capless wash arms, NSF Pot & Pan mode, cULus, NSF, ENERGY STAR®, Factory Startup - Free for installations within 100 miles (accessible by public roadway) of a Hobart Service Office during normal business hours with appropriate notice; Installation beyond 100 miles or those not accessible by public roadway will be quoted by Service.
	1 ea	Oversized units with crated shipping dimensions greater or equal to 72" in length and/or 90" in height. If delivery is to a facility without a standard height dock, additional shipping charges will apply depending on the service requested. consult Factory.
	1 ea	Standard warranty - 1-Year parts, labor & travel time during normal working hours within the USA
	1 ea	CL44BAS-ELE0AX 208v/60/3-ph Single point connection standard (field convertible to dual point)
	1 ea	CL44BAS-HGTSTD Standard Height 19.5”H x 22”W opening, fits full-sized sheet pan, horizontal
	1 ea	CL44BAS-HTE15K Electric tank heat 15kW
	1 ea	CL44BAS-ERH18K With 18 kW Booster (default)
	1 ea	CL44BAS-DIRVER Verify direction of operation
	1 ea	NOTE: For water of 3-grains of hardness or more, Hobart suggests adding a water softener.
	1 ea	DWT-CL Drain water tempering kit for CL models
	1 ea	ACC-INSTALL-HOB Accessory Installation - For installations within 100 miles (accessible by public roadway) of a Hobart Service Office during normal business hours with appropriate notice; Installation beyond 100 miles locations in Alaska, Hawaii or New York City or those not accessible by public roadway will be quoted by Service. Includes installation of this item only, final electrical or plumbing

Item	Qty	Description
		connections by others. Recommendation: coordinate accessory installation with machine assembly/ installation (NET)
	1 ea	SHTHD/E-ADJ Load End
	1 ea	EXTHD/E-ADJ E-series extended hood (adjustable) Unload End
	1 ea	DISHRAK-PEG20 Peg Rack
	1 ea	DISHRAK-COM20 Combination Rack
	1 ea	BUNPAN-RACK Rack, bun pan
	1 ea	PRESREG-1/20BR 1/2" brass pressure regulator
	1 ea	TBLLIM-CL Table limit switch for CL & CLEN series
	1 ea	CL44EN-BASFETSTD Standard feet
K-16		**DISHWASHER VENT DUCTS; 1 SET REQUIRED** Custom Fabricate in accordance with the General and Specific Conditions of these Specifications, Elevations and as shown on the drawings as follows. One set of 18 gauge stainless steel fully welded liquid tight one piece duct extending up from dishwasher vents up to 6" above finished ceiling line 18 gauge stainless steel welded angle trim at the ceiling penetrations All fans and ductwork by Others See detail on drawing by Architect
K-17		**POT/PAN RACK (2) BAR WALL MOUNTED; 1 REQUIRED** Custom Fabricate in accordance with the General and Specific Conditions of these Specifications, Elevations and as shown on the drawings as follows. "Pot Rack" band constructed of 2" x 3/16" stainless steel bands upright-provide & install 16 gauge stainless steel backing plate (if applicable) 1 5/8" O.D stainless steel tubing, extend thru top or splash for support. 1 Lot double-faced stainless steel pot hooks 8" O.C For wall mounted unit- Omit 1 5/8" O.D uprights, and provide wall bracket.
K-18		**WALL PANEL; 1 LOT** Custom Fabricate in accordance with the General and Specific Conditions of these Specifications, elevations and as shown on the drawings as follows. Location as per plan One (1) lot of Wall Panels, 18 gauge, Type 201, #4 Finish, areas shall encapsulate the full length/width (wall area) of the item and shall extend from the top finish floor to finish ceiling, above all joints and edges shall be sealed with stainless steel trim/mullions, equal Component Hardware Group, Cap Strip-J 63 Series. Divider bars-J-64 Series. Secure the wall panels in tamper

Item	Qty	Description
		resistant manner such as that will carry the weight of the panels and facilitate their removal and replacement in the event that future damage was to occur.
K-19		**POT/PAN/UTENSIL SINK; 1 REQUIRED** Custom Fabricate in accordance with the General and Specific Conditions of these Specifications, Elevations and as shown on the drawings and as follows OPEN BASE TABLES 14 gauge stainless steel top with splash and "flower rail" and marine edge as shown 18 gauge stainless steel undershelves welded to legs 1 5/8" O.D stainless steel legs 1 5/8" O.D stainless steel cross rails (If applicable) Stainless steel bullet foot (OR) 5" poly caster (2) with brake (if applicable) Tool drawer (if applicable) Component Hardware #S90-0020-N "Bakery Table" with 18 gauge stainless steel cabinet with tier or (3) drawer, fill in back splash at ends. Integral sinks, 14 gauge stainless steel coved, size, shape, and depth as shown (if applicable) With lever handle drain, with overflows (if applicable) Pot sinks with splash at wall areas (if applicable) 3" high semi roll exposed areas (if applicable) **This unit is to be welded integral with Item #K-08**
K-23	4 ea	**MINI PRE-RINSE FAUCET ASSEMBLY** T&S Brass Model No. 5MPH-8WLN-08 Pre-Rinse Unit, wall mount, 8" centers, 24" flexible stainless steel hose, 1.15 GPM spray valve, 8" swing spout, quarter-turn ceramic cartridges with check valves, lever handles with color coded indexes, 6" adjustable wall bracket, polished chrome-plated brass faucet body, 1/2" inlets, low lead, cCSAus
K-27	1 ea	**WALL / SPLASH MOUNT FAUCET** T&S Brass Model No. B-0231 Sink Mixing Faucet, wall mount, 8" centers, 12" swing nozzle, lever handles, quarter-turn Eterna cartridges, 1/2" NPT female inlets, low lead, ADA Compliant
K-37	1 ea	**FAUCET, KETTLE / POT FILLER** T&S Brass Model No. B-0610 Pot & Kettle Filler Faucet, wall mount mixing faucet with 8" adjustable centers, quarter-turn Eterna cartridges with spring checks, lever handles with color coded indexes, 3/8" NPT atmospheric vacuum breaker (B-0968), 68" flexible stainless steel hose with heat-resistant gray handle & hold down ring, hook nozzle with self-closing valve, finger hook, polished chrome-plated brass faucet body, 1/2" NPT female inlets, CSA
	1 ea	Advance Tabco K-30 Faucet Wall Mounting Bracket, 8" O.C. for wall

Item	Qty	Description
		mounting faucets where there is no sink backsplash available
K-39	1 ea	**DECK MOUNT FAUCET** T&S Brass Model No. B-1121 Faucet, 8" swing nozzle, deck mounted, quarter-turn Eterna cartridges, lever handles, low lead, ADA Compliant
K-40	1 ea	**PRE-RINSE FAUCET ASSEMBLY** T&S Brass Model No. B-0113-B EasyInstall Pre-Rinse Unit, spring action gooseneck & hole base faucet, 1.15 GPM spray valve (B-0107), 44" flexible stainless steel hose, 24" riser, 18" flexible supply lines, 6" wall bracket, quarter-turn Eterna cartridges, low lead, 2019 DOE PRSV - Class II
K-50		**FLOOR GRATE** Recessed in floor, By G.C. See detail in drawings **K.E.C to provide (to G.C)**
K-50	1 ea	**FLOOR GRATE** IMC/Teddy Model No. LG-1248 LG Louvered Floor Trough Grating, 12" wide x 48" long x 1" high, 16/304 stainless steel, die-formed louvers, one-piece design, fully welded, brushed satin finish
K-54	1 ea	**FAUCET, KETTLE / POT FILLER** T&S Brass Model No. B-0610 Pot & Kettle Filler Faucet, wall mount mixing faucet with 8" adjustable centers, quarter-turn Eterna cartridges with spring checks, lever handles with color coded indexes, 3/8" NPT atmospheric vacuum breaker (B-0968), 68" flexible stainless steel hose with heat-resistant gray handle & hold down ring, hook nozzle with self-closing valve, finger hook, polished chrome-plated brass faucet body, 1/2" NPT female inlets, CSA
	1 ea	Advance Tabco K-30 Faucet Wall Mounting Bracket, 8" O.C. for wall mounting faucets where there is no sink backsplash available
K-60	2 ea	**HAND SINK** Advance Tabco Model No. 7-PS-80 Hand Sink, wall mounted, 14" wide x 10" front-to-back x 5" deep bowl, 20 gauge 304 stainless steel, heavy duty splash mounted faucet, lever drain with overflow, P-trap, soap & towel dispenser, wall bracket, NSF, cCSAus
K-62	1 ea	**WATER FILTRATION SYSTEM, FOR STEAM EQUIPMENT** Everpure Model No. EV979722 KleenSteam II Twin System, 20,000 gallon capacity, 5.0 gpm flow rate, total system for steamers prevents limescale formation, (2) 7CB5 carbon filters, (1) SS-10 scale inhibitor Cartridge, dip tube, (2) 2.2 lbs. canisters ScaleKleen® (EV979722)
	1 ea	This system requires (2) cartridges.

Item	Qty	Description
K-64		**TYPE "K" FIRE EXTINGUISHER** C.F.C.I
K-71		**EXHAUST HOOD, WITH FIRE CONTROL**
K-71		**FANS & DUCTWORK** By H.V.A.C

SECTION 12 60 00
TELESCOPIC STANDS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Telescopic Gym Seating. Includes multiple-tiered seating rows comprising of seats, deck components, understructure that permits closing without requiring dismantling, into a nested configuration for storing or for moving purposes.
   1. Operation: Electric.
   2. Wall-attached.

1.2 REFERENCES

A. Aluminum Association (AA):
   1. ADM 1- Aluminum Design Manual. Version Year:2025

B. American Institute of Steel Construction (AISC):
   1. AISC 360- Steel Construction Manual. Version Year: 2025.

C. American Iron and Steel Institute (AISI):
   1. AISI S100 - Design of Cold Formed Steel Structural Members. Version Year: 2025.

D. American Society for Testing Materials (ASTM):
   1. ASTM - Standard Specifications for Properties of Materials.

E. American Wood Council (AWC):
   1. ANSI/AWC NDS (National Design Specification for Wood Construction). Version Year: 2025.

F. American Welding Society (AWS):
   1. AWS D1.1 Structural Welding Code - Steel. Version Year: 2025.
   2. AWS D1.3 Structural Welding Code - Sheet Steel. Version Year:2025

G. U.S. Architectural and Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines. Version Year: _____.

H. Forest Stewardship Council:
   1. Chain of Custody Certification (FSC-STD-40-004). Version Year:2025

I. International Building Code (IBC). Version Year: 2025.

J. International Code Council (ICC):
   1. ICC 300: Standard for Bleachers, Folding and Telescopic Seating and Grandstands. Version Year: 2025.

1.3 SUBMITTALS

A. Submit under the provisions of Section 01 30 00.

B. Product Data:
   1. Manufacturer's data sheets on each product to be used.
   2. Preparation instructions and recommendations.

3. Storage and handling requirements and recommendations.
4. Typical installation methods.

C. Each Supplied Product: Must have a current evaluation report issued by ICC Evaluation Services (ICC-ES) certifying it meets the structural design requirements of the current ICC 300 Standard for Bleachers, Folding and Telescopic Seating, and Grandstands, including every specified load combination.

D. Current Welding Certifications: AWS or CSA.

E. Installer Information: Name, Current Certification Number, and Product Qualifications.

F. Warranty Documents: Manufacturers' standard.

G. Shop Drawings: For telescoping stands in both stacked and extended positions.
1. Show seat heights, row spacing and rise, aisle widths and locations, assembly dimensions, anchorage to supporting structure, material types, and finishes.
2. Electrical: Indicate power supply requirements.
3. Graphic Drawing Proofs and Layouts.

H. Operation and Maintenance Data: For telescopic bleachers.
1. Include Operations and Maintenance Manual.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications:
1. The Manufacturer is to be a current Certified Welding Fabricator as defined by either AWS or CWB, or both.
2. Comply with structural welding codes that are applicable to their products or materials.
3. Welding Codes: As produced by AWS or CSA.

B. Installer Qualifications: Company specializing in performing Work of this section with documented experience for projects of similar scope and complexity.
1. Factory trained and certified by the Manufacturer.

C. Each Supplied Product: Must have a current evaluation report issued by ICC Evaluation Services (ICC-ES) certifying it meets the structural design requirements of the current ICC 300 Standard for Bleachers, Folding and Telescopic Seating, and Grandstands, including every specified load combination.

D. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver telescoping stands in manufacturers packaging clearly labeled with manufacturer name and content.
1. Deliver at a scheduled time for installation that will not interfere with other trades operating in the building whenever and wherever possible.

B. Store and handle bleacher equipment in a manner to prevent damage and in compliance with manufacturer's written instructions and recommendations.

C. Protect from damage due to weather, excessive temperature, and construction operations.

1.6 PROJECT CONDITIONS

A. Field Measurements: Coordinate actual dimensions for construction affecting telescoping

stands installation with accurate field measurements before fabrication.

1. Document field measurements on final shop drawings.
2. Coordinate field measurements and fabrication schedule with construction progress to avoid delay of Work.

1.7 WARRANTY

A. Manufacturer's Warranty: Contact manufacturer for detailed warranty information.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Hussey Seating Co., which is located at:
38 Dyer St. Ext.
North Berwick, ME 03906
Toll Free Tel: 800-341-0401
Tel: 207-676-2271
Email:request info (info@husseyseating.com);Web:https://www.husseyseating.com

B. Requests for substitutions will be considered in accordance with the provisions of Section 01 60 00.

2.2 PERFORMANCE AND DESIGN REQUIREMENTS

A. Electrical Components, Devices, and Accessories: Must be listed and labeled as defined in NFPA 70, by a qualified testing agency and marked for intended location and application.

B. Seating Layout: Telescoping stands to comply with ICC 300 for year _____ - Standard for Bleachers, Folding and Telescopic Seating, and Grandstands, except where additional requirements are indicated or imposed by authorities having jurisdiction.

C. Structural Performance: Engineer, design, fabricate and install telescopic gym seating systems to the following structural loads without exceeding allowable design working stresses of materials involved, including anchors and connections. Apply each load to produce maximum stress in each respective component of each telescoping stand unit according to ICC 300.

D. Manufacturer's System Design Criteria:
   1. Gymnasium Seat Assembly; To support and resist, in addition to its own weight, the following forces:
      a. Live Load: 120 lbs. per linear foot (1.75 kN per m) on seats and decking.
      b. Uniformly Distributed Live Load: Not less than 100 lbs. per square foot (4.79 kN per sq m) of gross horizontal projection.
      c. Parallel Sway Load: 24 lbs. per linear foot (0.35 kN per m) of row combined with the Uniformly Distributed Live Load as specified.
      d. Perpendicular Sway Load: 10 lbs. per linear foot (0.15 kN per m) of row combined with the Uniformly Distributed Live Load as specified.
      e. Parallel and Perpendicular Sway Loads: Are not applied concurrently.
   2. Hand Railings, Posts and Supports: To withstand the following forces applied separately:
      a. Concentrated Load: 200 lbs. (0.89 kN) applied at any point and in any direction.
      b. Uniform Load: 50 lbs. per foot (0.73 kN per m) applied in any direction.
   3. Guard Railings, Post and Supports: To withstand the following forces applied separately:
      a. Concentrated Load, Top Rail: 200 lbs. (0.89 kN) applied at any point and in any direction along top rail.

b. Uniform Load, Top Rail: 50 lbs. per foot (0.73 kN per m) applied in any direction at top rail.
c. Uniform Load, Infill Panels: 50 lbs. (0.22 kN) applied on an area equal to 12 x 12 inch (305 x 305 mm) applied on all guardrail infill panels.

2.3 MATERIALS

A. Wood:
1. Lumber: NIST PS 20. Southern pine complying with SPIB's "Standard Grading Rules for Southern Pine Lumber" for B and B (B and better) grade-of-finish requirements.
2. Plywood: NIST PS 1, APA-grade trademarked. Grade: A-C.

B. Steel:
1. Structural-Steel Shapes, Plates, and Bars: ASTM A36.
2. Galvanized-Steel Sheet: ASTM A653, Grade 40 (276 MPa) coating designation G60.
3. Uncoated Steel Strip; Non-Structural Components: ASTM A1011, Commercial Quality, Type B, Hot-Rolled Strip.
4. Uncoated Steel Strip; Structural Components: ASTM A1011 Grade 33 (228 MPa), Grade 36 (249 MPa), Grade 40 (276 MPa), Grade 45 (311 MPa), or Grade 50 (345 MPa), Structural Quality, Hot-Rolled.
5. Galvanized Steel Strip: ASTM A653 Grade 40 (276 MPa) or Grade 64 (441 MPa), structural quality, coating designation G60.
6. Tubing: ASTM A500, cold formed; Grade B, or ASTM A513, 46 ksi min yield.

C. Polyethylene Plastic: High-density polyethylene; injection molded, color-pigmented, textured, impact-resistant, and dimensionally stable.

2.4 TELESCOPIC STANDS

A. Wall-Attached Telescoping Stands: Forward-folding system.
1. The rear of the understructure is permanently attached to the floor and to a wall.
a. The wall provides structural support and must support loads imposed by the telescoping stands.

2.5 DIMENSIONAL AND OPERATIONAL CRITERIA

A. Dimensions:
1. Number of Tiers: 4
2. Row Spacing: 24 inches (610 mm).
3. Row Rise: 9-5/8 inches (244 mm).

2.6 SEATING

A. Seating Type: Polymer Seat System.
1. Model: Courtside Collection XC10. Load tested to 600 lbs. (2.67 kN).
a. Seat Depth: 10 inches (254 mm). Seat Length: 18 inches (457 mm).
2. Material: Gas assist injection-molded HDPE; high density polyethylene.
a. Recyclable: 100 percent.
3. End Caps at Aisle End Locations: Integrally molded.
4. Recess Pockets for Seat Number and Row Letters: Integrally molded.
5. Rear Closure Panel at Back of Seat: Integrally molded. Allows "continuous clean sweep" of debris at deck level and minimizes visibility of structural ribbing.
6. Seat Numbers: Color: Black number over grey background.
7. Row Identification: Color: Black letter over grey background.

B. ADA Accessible Seating:
1. Locate first tier modular units to provide wheelchair-accessible seating at locations

indicated on Drawings. Modular units are available in 2 seat to 7 seat sizes inclusive and are custom configured according to number of tiers, section size, aisle locations, etc.

a. Flex-Row Units: First row modular recoverable seating units.
    1) Closed Configuration: Accommodates persons requiring ADA spaces or other temporary space needs.
    2) Opened Configuration: For standard usage.
    3) Units are to have a handle for easy operation.
    4) Full-surround steel skirting with a 3/4 inch (19 mm) floor clearance for safety and improved aesthetics. Color: Black.
    5) End Cap for the Nose Beam: Injection molded. For safety and improved aesthetics. Color: Black.
    6) Mechanical Positive Lock: When the Flex-Row system is in the open and closed position.
        a) Handle: Unlocks the modular recoverable seating unit for operation.
    7) Flex-Row can be utilized with the full system in the open or closed position.
    8) The modular units are designed to achieve multi-use front row seating to accommodate team seating, ADA requirements, and facility specific requirements.
    9) Flex-Row.

2.7 RAILS, PANELS AND STEPS

A. End Rails: Self-storing.
1. Starting no higher than the second tier, 42 inches (1066 mm) high above seat.
2. End Rail Material: 1.5 inch (38 mm) square steel tubing.
3. Baluster Material: 0.5 inch (13 mm) square steel.
    a. Intermediate members attached with 4 inch (102 mm) sphere passage requirements.
4. Finish: Powder coated, semi-gloss. Color: Black.

B. Center Aisle Rails: Auto-Rotating.
1. Single pedestal mount handrails, 34 inches (864 mm) high with terminating mid rail.
2. Permanently attached handrail and mounted socket. Rail rotates in the socket for rail storage.
3. Rails rotate and lock in the use position as the seating opens.
4. Rails unlock and rotate back to the stowed position as the seating closes.
5. Ends of the Handrail: Return to the post and not extend away from it.
6. Not Acceptable: Rails having openings to avoid interference with closed decks.
7. Rail Material: 1.5 inch (38 mm) square steel tubing.
8. Finish: Powder coated, semi-gloss. Color: Black.

C. Steps:
1. Step Type: Sure-Step. Flip-up Front Aisle Step.
    a. Permanently hinged to the front row. Ensures availability and ease of operation.
    b. Two 3 inch (76 mm) diameter x 3/4 inch (19 mm) wide non-marking front wheels.
    c. The system can operate with the Sure-Step in the stored or deployed position.
    d. Edges are coined, hemmed or radiused with front edge rubber bumpers.
    e. Abrasive-backed non-slip tread identifier on leading edge of nosing.
    f. For Aisle Widths Greater Than 6 feet (1.8 m): Two side by side hinged steps are provided.
2. Step Type: Intermediate Aisle Steps.
    a. Fully enclosed, at each vertical aisle.

b. End Caps: Full radius on all four edges.
c. Tread Surface: Abrasive Non-slip, Adhesive-backed.

2.8 COMPONENTS

A. Decking:
1. Material: Plywood. 5/8 inch (16 mm) thick AC grade tongue and groove Southern Yellow Pine with clear urethane, high gloss finish.

B. Understructure:
1. Finish: Rust-inhibiting black finish.
2. Hardware Finish: Zinc-plated, Rust inhibiting black finish.
3. Posi-locks and Other Surfaces: Powder coated black; Rust inhibiting black finish.
4. Nose Beam: ASTM A653 grade 40 (276 MPa) steel.
a. Continuously roll-formed closed tubular shape.
b. No steel edges exposed to spectators after product assembly.
c. Through-bolted fore/aft to deck stabilizers and frame cantilevers to create the deck structure.
5. Rear Riser Beam: ASTM A653 Grade 64 (441 MPa) steel.
a. Continuously roll-formed.
b. No steel edges exposed to spectators after product assembly.
c. Through-bolted fore/aft to deck stabilizers and frame cantilevers to create the deck structure.
6. Frame: Welded assemblies, one left hand and one right hand per tier, comprised of the following components:
a. Lower Track subassembly: ASTM A1011 Grade 50 steel.
1) Continuous Positive Interglide System (casterhorn) interlocks each adjacent frame casterhorn using an integral, continuous, anti-drift feature and captive interlock with adjustable row spacing at front to prevent separation and misalignment.
b. Lower Track Wheels: 3 per frame.
1) 5 inch (127 mm) diameter by 1-1/4 inch (32 mm) wide with non-marring soft rubber face to protect wood and synthetic floor surfaces.
2) Bushings: Molded-in sintered iron and oil-impregnated. To fit 3/8 inch (10 mm) diameter axles. Secured with E-type snap rings.
a) Option: up to 6 wheels per frame for load distribution.
c. Slant Columns: A500 Grade, tubular shaped steel.
d. Cantilever Subassembly: Consists of ASTM A1011 Grade 50 steel nose connection plate, cantilever, and riser attachment plate welded together into a subassembly.
7. Lock System: Casterhorns at the end sections of powered banks (minimally), and manual sections, contain a Low Profile Posi-Lock LX to lock each row in the open position and allow unlocking automatically. Adjustable stops to allow field adjustment of row spacings.
8. Sway Bracing: ASTM A653 grade 40 (276 MPa) steel, tension members bolted to columns.
9. Deck Stabilizer: A1011 Grade 45 steel member, through-bolted to nose and riser at three locations per section. Securely captures front and rear edge of decking at rear edge of nose beam and lower edge of riser beam for entire length of section. Interlocks with adjacent stabilizer on upper tier using low-friction nylon roller to prevent separation and misalignment.

C. Fasteners: Vibration proof, in manufacturer's standard size and material.

2.9 ELECTRICAL OPERATION SYSTEMS

A. Integral Power:

1. Default Operation: Removable pendant control unit which plugs into a seating bank for tethered operator management of stop, start, forward, and reverse control of the power operation.

B. PF1/2/3/4: An integral automatic electro-mechanical powered frame propulsion system, to open and close telescopic seating.
   1. Electrical - Seating Manufacturer: Provides all wiring within seating bank, including pendant control. Motors, housing, and wiring must be installed and grounded in complete accord with the National Electrical Code.
   2. The control system is to operate at low voltage (24V).
   3. Electrical Contractor: Is to perform all connections at and upstream of the equipment specified and ensure supplied voltage drops no more than 4 percent below nominal where power connects thereto.
   4. Each unit for PF(1/2/3/4) is driven by a 1/2 horsepower, 1725 RPM motor.
      a. Power: 208 Volts 3-Phase.
         1) 1.25 Service Factor Motor: Runs on 208 V at 60 Hz and draws a full load current of 1.8 amperes.
            a) Required Power Supply: 3 asynchronous phases of 120 Volts each, plus neutral plus ground, each with 20 Amp capacity.
         2) A UL Listed System:
            a) Motors, circuit protection, motor controls, user interface, enclosures, conductors, and connectors are to be evaluated and approved for correct size and compatibility under maximum rated load on the motors, under UL Product Category FHJU, titled Electrical Drive and Controls for Folding and Telescopic Seating.
   5. Annual Service Light Kit: Designed to be mounted to front skirt panel.
      a. Includes the Following:
         1) Service Light: 3.50 x 3.50 x 0.89 inches (89 x 89 x 21 mm).
         2) Mounting hardware, including drill bit.
         3) Batteries: Two, AA.
         4) Instructions: Installation and Operation.
      b. Unit Activation: By battery insertion; after removal of protective battery strip.
         1) After One Calendar Year: Unit will start flashing indicating an annual inspection is due.
         2) Replace batteries to reset annual timer.

2.10 FABRICATION

A. Fabricate understructure from structural-steel members in size, spacing, and form required to support design loads specified in referenced safety standard.

B. Welded understructure to comply with applicable AWS standards.

C. Round corners and edges of components and exposed fasteners to reduce snagging and pinching hazards.

D. Form exposed sheet metal with flat, flush surfaces, level and true in line, and without cracking and grain separation.

2.11 ACCESSORIES
   1. Wireless Remote Operation
   2. Graphic End Curtains

2.12 GRAPHICS

A. CourtSide Decorative Graphic Logo: Applied to integrally molded end cap recess area of the CourtSide seat module.

1. Logo: Approximately 4.7 x 3.5 inches (119 x 89 mm) with full color.
    a. Trimmed to a precise custom cut shape with two mounting holes.

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until the substrates have been properly constructed and prepared.
    1. Examine areas where telescoping stands are to be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
    2. Tolerances:
        a. Flooring: Level and within 1/8 inch (3 mm) in 8 feet (2438 mm).
        b. Rear Wall: Plumb within 1/8 inch (3 mm) in 8 feet (2438 mm).

B. If substrate preparation is the responsibility of another installer, notify Architect in writing 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, approved submittals, and in proper relationship with adjacent construction.
    1. Comply with referenced safety standards.

3.4 FIELD QUALITY CONTROL

A. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

B. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.

3.5 ADJUSTING AND CLEANING

A. On completion of installation, lubricate, test, and adjust each telescoping stand unit so that it operates according to manufacturer's written operating instructions.

B. Clean installed telescoping stands on exposed surfaces. Touch up shop-applied finishes or replace components as required to restore damaged or soiled areas.

3.6 MAINTENANCE SERVICE

A. Service Capability: Show proof of full-time service capability by factory certified technicians directly employed by the installer.
    1. A four to eight-hour maximum on-site repair response is required during normal working hours, 8 a.m. to 5 p.m. weekdays (excluding holidays).
    2. All Full-Time Service Personnel shall be Factory Authorized and Trained.
    3. Provide proof of Service Capability and a list of service parts regularly maintained in inventory.

3.7 DEMONSTRATION

A. Engage a factory-authorized service representative to train the Owner's maintenance personnel to adjust, operate, and maintain telescoping stands.

END OF SECTION

Section 32 31 19

DECORATIVE METAL FENCING SYSTEM

PART ONE – GENERAL

1.1 WORK INCLUDED

1.1.1 The contractor shall provide all labor, materials and appurtenances necessary for installation of the ornamental steel fence system including the aluminum gate at entry as defined herein for a complete installation.

1.2 QUALITY ASSURANCE

1.2.1 Qualifications of manufacturers: Products used in the work of this Section shall be produced by Manufacturer's regularly engaged in manufacture of similar items and with a history of successful production acceptable to the Architect.

1.2.2 Qualifications of personnel: Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

1.3 SUBMITTALS

1.3.1 General: Comply with the provisions of Section 01 33 23.

1.3.2 Product data: Within 30 calendar days after award of the Contract, submit:

1. Complete materials list of all items proposed to be furnished and installed under this Section.
2. Manufacturer's specifications and other data required to demonstrate compliance with the specified requirements.
3. Shop drawings showing all proposed work of this section.
4. Manufacturer's recommended installation procedures.

1.3.3 The manufacturer's recommended installation procedures, when approved by the Architect, will become the basis for inspecting and accepting or rejecting actual installation procedures used on the Work.

1.4 REFERENCES

- ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.
- ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
- ASTM D523 - Test Method for Specular Gloss.
- ASTM D714 - Test Method for Evaluating Degree of Blistering in Paint.
- ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.
- ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
- ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.

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- ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.
- ASTM F2408 – Ornamental Fences Employing Galvanized Steel Tubular Pickets.

1.5 PRODUCT HANDLING AND STORAGE

1.5.1 Upon receipt at the job site, all materials shall be checked to ensure that no damages occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism and theft.

PART TWO – MATERIALS

2.1 SYSTEM DESCRIPTION

The manufacturer shall supply an ornamental steel fence system including the entry gate of the Ameristar® 6'0" Montage Plus® Genesis™ design. The system shall include all components (i.e., pickets, rails, posts, gates and hardware) required.

2.2 MANUFACTURER

The fence and gate system shall be as manufactured by Ameristar Fence Products, Inc. in Tulsa, Oklahoma.

2.3 MATERIAL

A. Steel:

1. Steel material for fence framework (i.e. tubular pickets, rails and posts), shall be galvanized prior to forming in accordance with the requirements of ASTM A653/A653M, with minimum yield strength of 45,000 psi (310 MPa). The steel shall be hot-dip galvanized to meet the requirements of ASTM A653/A653M with a minimum zinc coating weight of 0.90 oz/ft^2 (276 g/m^2), Coating Designation G-90.
2. Material for pickets shall be 1" square x 14 Ga. tubing. The cross-sectional shape of the rails shall conform to the manufacturer's ForeRunner double wall design with outside cross-section dimensions of 1.75" square and a minimum thickness of 14 Ga. Picket holes in the ForeRunner rail shall be spaced 4.715" o.c., except for Invincible style 6' long, which shall be, spaced 4.98" o.c. Picket retaining rods shall be 0.125" diameter galvanized steel. High quality PVC grommets shall be supplied to seal all picket-to-rail intersections. Fence posts and gate posts shall meet the minimum size requirements of Table 1.

2.4 FABRICATION

A. Steel:

1. Pickets, rails and posts shall be precut to specified lengths. ForeRunner rails shall be prepunched to accept pickets. Pickets shall be predrilled to accept retaining rods.

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2. Grommets shall be inserted into the prepunched holes in the rails and pickets shall be inserted through the grommets so that predrilled picket holes align with the internal upper raceway of the ForeRunner rails (Note: This can best be accomplished by making an alignment jig). Retaining rods shall be inserted into each ForeRunner rail so that they pass through the predrilled holes in each picket.
3. The manufactured galvanized framework shall be subjected to the PermaCoat® thermal stratification coating process (high-temperature, in-line, multi-stage, multi-layer) including, as a minimum, a six-stage pretreatment/wash (with zinc phosphate), an electrostatic spray application of an epoxy base, and a separate electrostatic spray application of a polyester finish. The base coat shall be a thermosetting epoxy powder coating (gray in color) with a minimum thickness of 2 mils (0.0508mm). The topcoat shall be a "no-mar" TGIC polyester powder coat finish with a minimum thickness of 2 mils (0.0508mm). The color shall be black. The stratification-coated framework shall be capable of meeting the performance requirements for each quality characteristic shown in Table 2.
4. Completed sections (i.e., panels) shall be capable of supporting a 600 lb. load applied at midspan without permanent deformation. Panels shall be biasable to a 25% change in grade.
5. Swing gates shall be fabricated using 1.75" x 14ga Forerunner double channel rail, 1.75" sq. x 14ga. gate ends, and 1" sq. x 14ga. pickets. Gates that exceed 6' in width will have a 1.75" sq. x 14ga. intermediate upright. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding.

PART THREE – EXECUTION

3.1 PREPARATION

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

3.2 FENCE INSTALLATION

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

3.3 FENCE INSTALLATION MAINTENANCE

3.3.1 When cutting/drilling rails or posts adhere to the following steps to seal the exposed steel surfaces; 1) Remove all metal shavings from cut area. 2) Apply zinc-rich primer to thoroughly cover cut edge and/or drilled hole; let dry. 3) Apply 2 coats of custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty. Ameristar spray cans or paint pens shall be used to prime and finish exposed surfaces; it is recommended that paint pens be used to prevent overspray. Use of non-Ameristar parts or components will negate the manufactures' warranty.

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3.4 GATE INSTALLATION

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

3.5 CLEANING

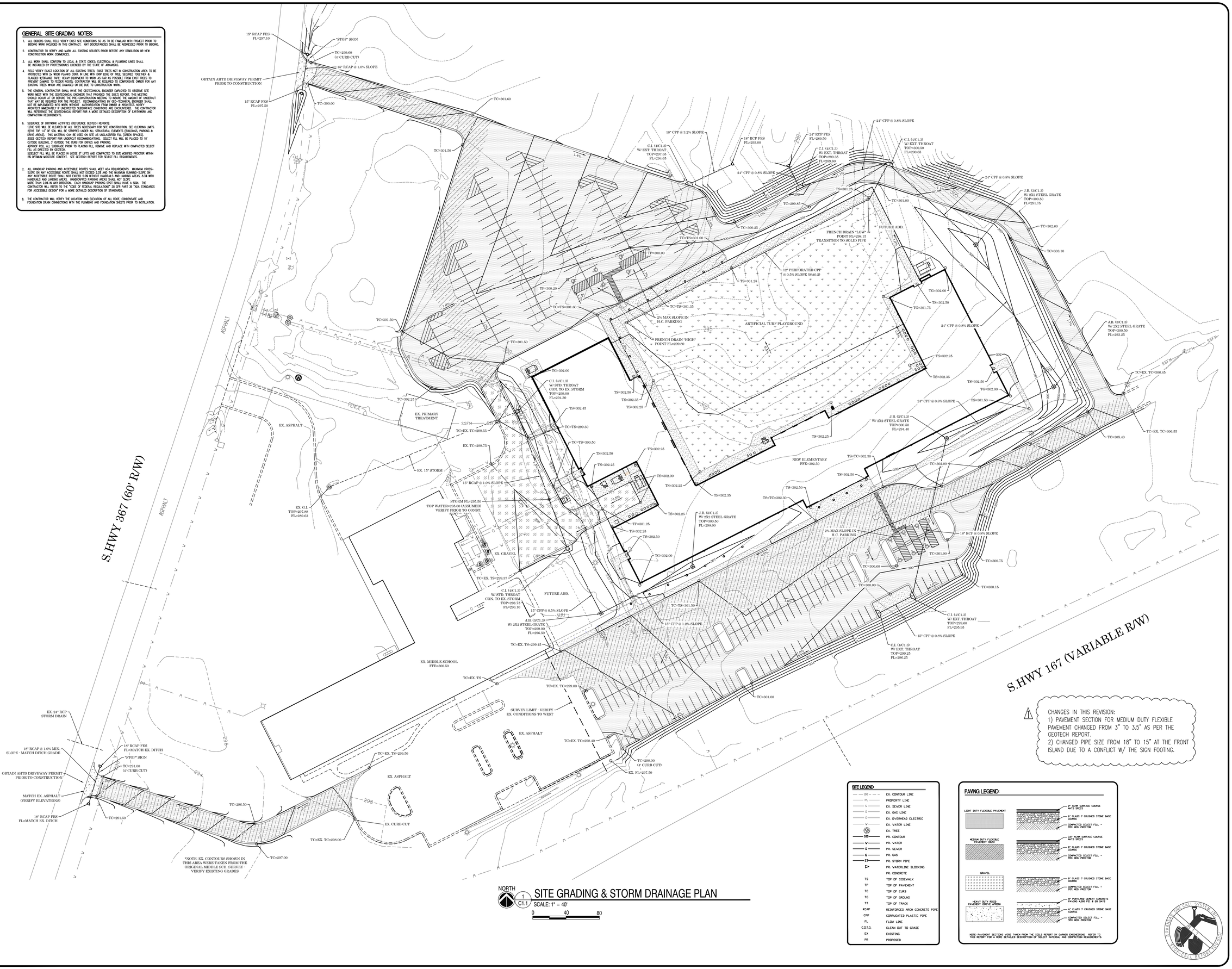
3.5.1 The contractor shall clean the jobsite of excess materials; post-hole excavations shall be scattered uniformly away from posts.

END OF SECTION

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GENERAL SITE GRADING NOTES:

1. ALL BIDDERS SHALL FIELD VERIFY EXIST SITE CONDITIONS SO AS TO BE FAMILIAR WITH PROJECT PRIOR TO BIDDING WORK INCLUDED IN THIS CONTRACT. ANY DISCREPANCIES SHALL BE ADDRESSED PRIOR TO BIDDING.
2. CONTRACTOR TO VERIFY AND MARK ALL EXISTING UTILITIES PRIOR BEFORE ANY DEMOLITION OR NEW CONSTRUCTION WORK COMMENCES.
3. ALL WORK SHALL CONFORM TO LOCAL & STATE CODES; ELECTRICAL & PLUMBING LINES SHALL BE INSTALLED BY PROFESSIONALS LICENSED BY THE STATE OF ARKANSAS.
4. FIELD VERIFY EXACT LOCATION OF ALL EXISTING TREES; EXIST TREES NOT IN CONSTRUCTION AREA TO BE PROTECTED WITH 2x WOOD FLAKING CONT. IN LINE WITH DRIP EDGE OF TREE, SECURED TOGETHER & FLAGGED W/ORANGE TAPE; HEAVY EQUIPMENT TO WORK AS FAR AS POSSIBLE FROM EXIST TREES TO PREVENT DAMAGE TO FEEDER ROOTS; CONTRACTOR WILL BE REQUIRED TO COMPENSATE OWNER FOR ANY EXISTING TREES WHICH ARE DAMAGED OR DIE DUE TO CONSTRUCTION WORK.
5. THE GENERAL CONTRACTOR SHALL HAVE THE GEOTECHNICAL ENGINEER EMPLOYED TO OBSERVE SITE WORK MEET WITH THE GEOTECHNICAL ENGINEER THAT PROVIDED THE SOILS REPORT. THIS MEETING SHOULD OCCUR AT OR BEFORE THE PRE-CONSTRUCTION MEETING TO INSURE THE AMOUNT OF UNDERCUT THAT MAY BE REQUIRED FOR THE PROJECT. RECOMMENDATIONS BY GEO-TECHNICAL ENGINEER SHALL NOT BE IMPLEMENTED INTO WORK WITHOUT AUTHORIZATION FROM OWNER & ARCHITECT; NOTIFY ARCHITECT IMMEDIATELY IF UNEXPECTED SUBSURFACE CONDITIONS ARE ENCOUNTERED. THE CONTRACTOR WILL REFERENCE THE GEOTECHNICAL REPORT FOR A MORE DETAILED DESCRIPTION OF EARTHWORK AND COMPACTION REQUIREMENTS.
6. SEQUENCE OF DIRTWORK ACTIVITIES (REFERENCE GEOTECH REPORT):
   1)THE SITE WILL BE CLEARED OF ALL TREES NECESSARY FOR SITE CONSTRUCTION, SEE CLEARING LIMITS.
   2)THE TOP 1.0' OF SOIL WILL BE STRIPPED UNDER ALL STRUCTURAL ELEMENTS (BUILDINGS, PARKING & DRIVE AREAS). THIS MATERIAL CAN BE USED ON SITE AS UNCLASSIFIED FILL (GREEN SPACES).
   3)SEE GEOTECH REPORT FOR UNDERCUT RECOMMENDATIONS. SELECT FILL WILL BE PLACED TO 10' OUTSIDE BUILDING, 5' OUTSIDE THE CURB FOR DRIVES AND PARKING.
   4)PROOF ROLL ALL SUBGRADE PRIOR TO PLACING FILL, REMOVE AND REPLACE WITH COMPACTED SELECT FILL AS DIRECTED BY GEOTECH.
   5)SELECT FILL WILL BE PLACED IN LOOSE 8" LIFTS AND COMPACTED TO 95% MODIFIED PROCTOR WITHIN 2% OPTIMUM MOISTURE CONTENT. SEE GEOTECH REPORT FOR SELECT FILL REQUIREMENTS.
7. ALL HANDICAP PARKING AND ACCESSIBLE ROUTES SHALL MEET ADA REQUIREMENTS. MAXIMUM CROSS-SLOPE ON ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 2.0% AND THE MAXIMUM RUNNING-SLOPE ON ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 5.0% WITHOUT HANDRAILS AND LANDING AREAS, 8.3% WITH HANDRAILS AND LANDING AREAS. HANDICAPPED PARKING AREAS SHALL NOT SLOPE MORE THAN 2.0% IN ANY DIRECTION. EACH HANDICAP PARKING SPOT SHALL HAVE A SIGN. THE CONTRACTOR WILL REFER TO THE "CODE OF FEDERAL REGULATIONS" 28 CFR PART 36 "ADA STANDARDS FOR ACCESSIBLE DESIGN" FOR A MORE DETAILED DESCRIPTION OF STANDARDS.
8. THE CONTRACTOR WILL VERIFY THE LOCATION AND ELEVATION OF ALL ROOF, CONDENSATE AND FOUNDATION DRAIN CONNECTIONS WITH THE PLUMBING AND FOUNDATION SHEETS PRIOR TO INSTALLATION.



NORTH

1 / C1.1 SITE GRADING & STORM DRAINAGE PLAN

SCALE: 1" = 40'

0 40 80

CHANGES IN THIS REVISION:
1) PAVEMENT SECTION FOR MEDIUM DUTY FLEXIBLE PAVEMENT CHANGED FROM 3" TO 3.5" AS PER THE GEOTECH REPORT.
2) CHANGED PIPE SIZE FROM 18" TO 15" AT THE FRONT ISLAND DUE TO A CONFLICT W/ THE SIGN FOOTING.

SITE LEGEND:

100	EX. CONTOUR LINE
PL	PROPERTY LINE
S	EX. SEWER LINE
G	EX. GAS LINE
E	EX. OVERHEAD ELECTRIC
W	EX. WATER LINE
	EX. TREE
100	PR. CONTOUR
W	PR. WATER
S	PR. SEWER
G	PR. GAS
ST	PR. STORM PIPE
	PR. WATERLINE BLOCKING
	PR. CONCRETE
TS	TOP OF SIDEWALK
TP	TOP OF PAVEMENT
TC	TOP OF CURB
TG	TOP OF GROUND
TT	TOP OF TRACK
RCAP	REINFORCED ARCH CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
FL	FLOW LINE
C.O.T.G.	CLEAN OUT TO GRADE
EX	EXISTING
PR	PROPOSED

PAVING LEGEND:

LIGHT DUTY FLEXIBLE PAVEMENT	2" ACHM SURFACE COURSE ANTS SPECS 6" CLASS 7 CRUSHED STONE BASE COURSE COMPACTED SELECT FILL - 95% MDD PROCTOR
MEDIUM DUTY FLEXIBLE PAVEMENT (SUD)	3.5" ACHM SURFACE COURSE ANTS SPECS 8" CLASS 7 CRUSHED STONE BASE COURSE COMPACTED SELECT FILL - 95% MDD PROCTOR
GRAVEL	8" CLASS 7 CRUSHED STONE BASE COURSE COMPACTED SELECT FILL - 95% MDD PROCTOR
HEAVY DUTY RIGID PAVEMENT CROVE APRON	8" PORTLAND CEMENT CONCRETE PAVING 4,000 PSI @ 28 DAYS 6" CLASS 7 CRUSHED STONE BASE COURSE COMPACTED SELECT FILL - 95% MDD PROCTOR

NOTE: PAVEMENT SECTIONS WERE TAKEN FROM THE SOILS REPORT BY GARNER ENGINEERING. REFER TO THIS REPORT FOR A MORE DETAILED DESCRIPTION OF SELECT MATERIAL AND COMPACTION REQUIREMENTS.

ARKANSAS ONE CALL SYSTEM, INC. 811 CALL BEFORE YOU DIG!

LEWIS ARCHITECTS ENGINEERS
ELLIOTT • MCMORRAN • VADEN
RAGSDALE • WOODWARD • INCORPORATED
501.223.9302 • FAX 501.223.9909 • WWW.LEMVRW.COM

SITE GRADING & STORM DRAINAGE PLAN

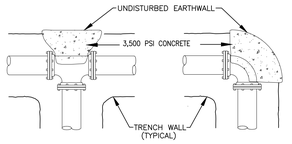
EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12742 — 6/01/26

CERTIFICATE OF AUTHORIZATION — MINTON ENGINEERING, INC. NO. 1564 — ARKANSAS ENGINEER

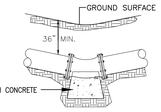
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PROJECT NO: 25053
DRAWN BY: JM
REV: 1 2026-06-01

C1.1
3 OF 5



TEE

90° BEND
45° BEND (SIMILAR)
22 1/2° BEND (SIMILAR)
11 1/4° BEND (SIMILAR)



VERTICAL (CRADLE)

45° BEND
22 1/2° BEND (SIMILAR)
11 1/4° BEND (SIMILAR)

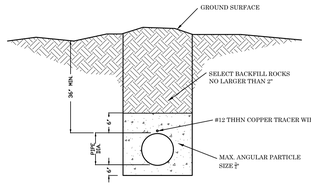
NOTES:

1. All fittings shall be mechanical joint with retainer glands.
2. Do not cover bells or flanges with concrete.
3. Wrap all fittings with visqueen.
4. Back all tees according to size of branch.
5. Backing future line extensions shall be such that later removal is possible.
6. All bends where fittings are used, both horizontal and vertical, shall be backed.
7. Reaction backing table is based on 150 p.s.i. and soil bearing pressure of 2,500 lb./sq. ft. Additional backing may be required in some areas as directed by engineer.

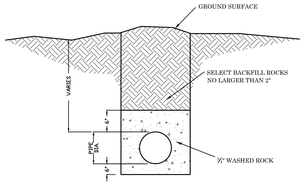
REACTION BACKING TABLE

SIZE	REQUIRED SQ. FT. OF UNDISTURBED EARTHWALL FOR REACTION BACKING				
	TYPE OF FITTINGS				
	TEE OR PLUG/CAP	90°	45°	22 1/2°	11 1/4°
2"-4"	2	2	1	1	1
6"	3	3	2	1	1
8"	4	4	3	2	2
12"	10	10	5	3	2
18"	26	26	14	7	4
24"	38	38	20	10	7
30"	59	59	32	16	10

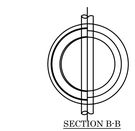
2 / C1.2 WATERLINE/SEWER F.M. BLOCKING DETAIL
NOT TO SCALE



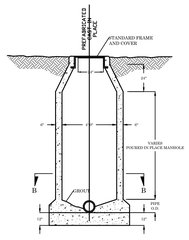
3 / C1.2 WATER/SEWER FORCE MAIN BEDDING DETAIL
NOT TO SCALE



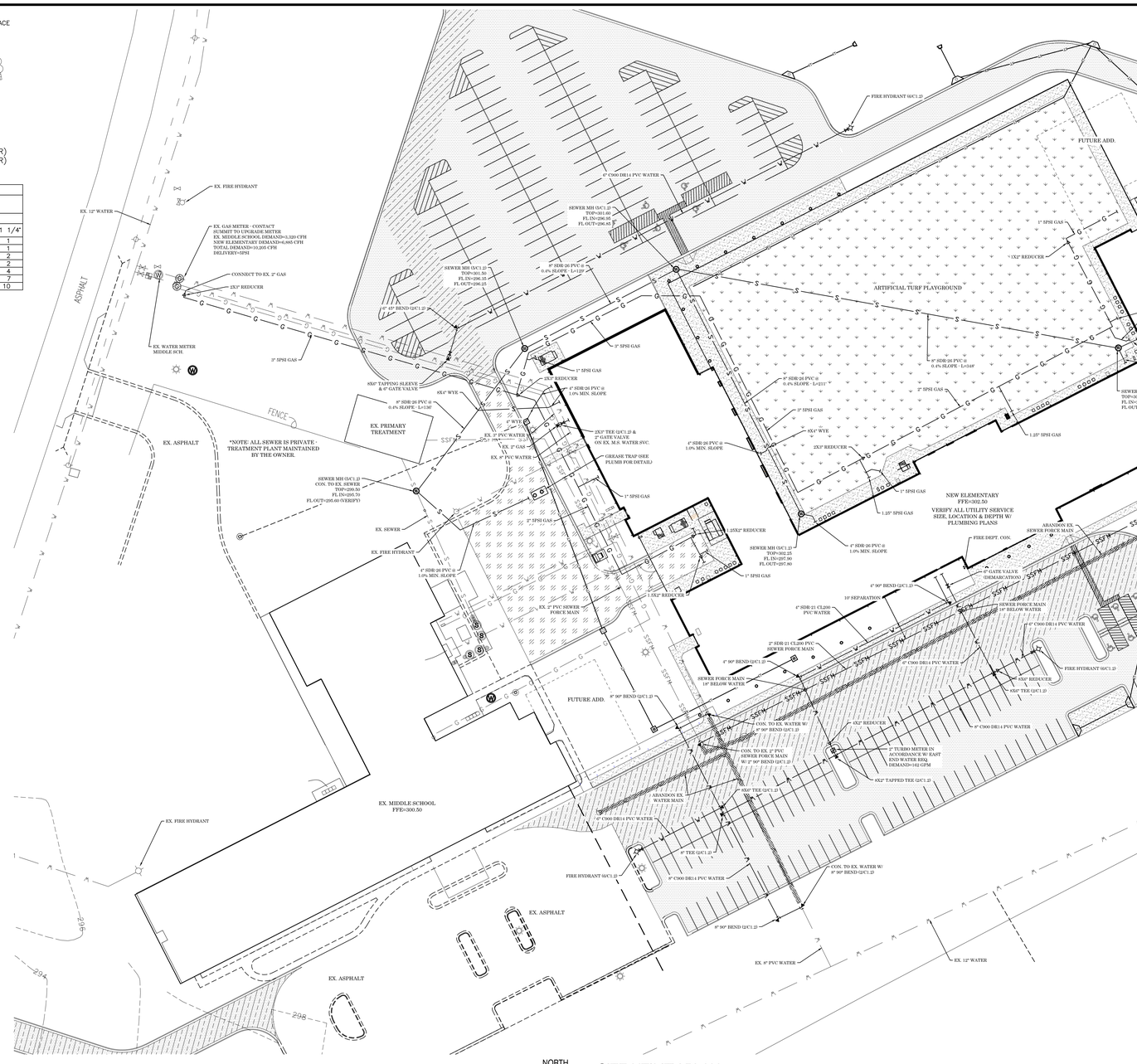
4 / C1.2 SEWER BEDDING DETAIL
NOT TO SCALE



SECTION B-B



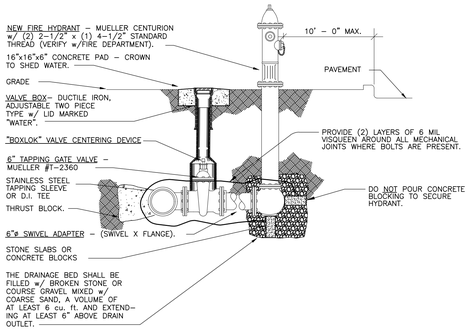
5 / C1.2 SEWER MANHOLE DETAIL
NOT TO SCALE



NORTH

1 / C1.2 SITE UTILITY PLAN
SCALE: 1" = 40'

0 40 80



6 / C1.2 FIRE HYDRANT DETAIL
NOT TO SCALE

GRADATION PLAN NOTE

PRIOR TO INSTALLING ANY SANITARY, STORM, GAS OR WATER LINES BELOW GRADE, THE PLUMBING CONTRACTOR SHALL FURNISH TO THE ARCHITECT TWO COPIES OF A GRADATION PLAN OF THE BUILDING DRAINS AND SEWER LINES WITH PROPOSED ELEVATION GRADES SHOWN AT EACH MAJOR GROUP OF PLUMBING FIXTURES, AT EACH PIPE LINE INTERSECTION, AT EACH PIPE LINE CROSSING, AT EACH GRADE BEAM OR FOOTING PENETRATION/INTERSECTION AND AT ANY EXISTING PIPE LINE CONNECTIONS. THE PLAN SHALL ALSO INCLUDE ALL THOSE PIPE INTERSECTIONS AND/OR PIPE CROSSINGS THAT ARE EXTERIOR OF BUILDING/ADDITION INCLUDING ANY MANHOLES, CONNECTION TO EXISTING MAINS AND CLEANOUTS TO GRADE.

SITE LEGEND:

100	EX. CONTOUR LINE
PL	PROPERTY LINE
S	EX. SEWER LINE
G	EX. GAS LINE
E	EX. OVERHEAD ELECTRIC
W	EX. WATER LINE
	EX. TREE
100	PR. CONTOUR
W	PR. WATER
S	PR. SEWER
G	PR. GAS
ST	PR. STORM PIPE
	PR. WATERLINE BLOCKING
	PR. CONCRETE
TS	TOP OF SIDEWALK
TP	TOP OF PAVEMENT
TC	TOP OF CURB
TG	TOP OF GROUND
TT	TOP OF TRACK
RCAP	REINFORCED ARCH CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
FL	FLOW LINE
C.O.T.G.	CLEAN OUT TO GRADE
EX	EXISTING
PR	PROPOSED

GENERAL SITE UTILITY NOTES:

1. ALL BIDDERS SHALL FIELD VERIFY EXIST SITE CONDITIONS SO AS TO BE FAMILIAR WITH PROJECT PRIOR TO BIDDING WORK INCLUDED IN THIS CONTRACT. ANY DISCREPANCIES SHALL BE ADDRESSED PRIOR TO BIDDING.
2. CONTRACTOR TO VERIFY AND MARK ALL EXISTING UTILITIES BEFORE ANY DEMOLITION OR NEW CONSTRUCTION WORK COMMENCES. SOME EXISTING UTILITIES HAVE BEEN ADDED TO THIS DRAWING THAT WERE NOT SHOWN ON THE SURVEY. THESE UTILITIES WERE TAKEN OFF OF MAPS PROVIDED BY THE UTILITY COMPANY AND HAVE NOT BEEN FIELD VERIFIED.
3. ALL WORK SHALL CONFORM TO LOCAL & STATE CODES; ELECTRICAL & PLUMBING LINES SHALL BE INSTALLED BY PROFESSIONALS LICENSED BY THE STATE OF ARKANSAS.
4. THE PUBLIC WATER MAIN WILL BE INSTALLED AS PER THE SPECIFICATIONS, STANDARD DRAWINGS AND GUIDELINES SET FORTH BY EAST END WATER & THE ARKANSAS DEPARTMENT OF HEALTH.
5. THE SEWER SERVICE AND TREATMENT IS PRIVATE AND IS MAINTAINED BY THE OWNER.
6. THE CONTRACTOR IS RESPONSIBLE FOR ALL SERVICE CONNECTION FEES, INSPECTION FEES, AS-BUILTS, ECT. NECESSARY FOR UTILITY SERVICE TO THIS BUILDING.
7. THE TOPOGRAPHIC SURVEY WAS PREFORMED BY TYLER GROUP SURVEYING. LEWIS ARCHITECTS AND MINTON ENGINEERING ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THIS SURVEY. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING.
8. THE CONTRACTOR WILL VERIFY THE LOCATION AND DEPTH OF ALL BUILDING UTILITY CONNECTIONS WITH THE PLUMBING SHEETS PRIOR TO INSTALLATION.
9. THE EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN (THAT WERE NOT SHOWN ON THE SURVEY) WERE TAKEN OFF OF UTILITY MAPS PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. THE LOCATION SHOWN IS A ROUGH APPROXIMATION. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF THESE UTILITIES PRIOR TO ANY CONSTRUCTION OR DEMOLITION – ANY DISCREPANCIES SHOULD BE ADDRESSED PRIOR TO BIDDING.
10. WATER MAINS AND SANITARY SEWER SHALL BE CONSTRUCTED AS FAR APART AS PRACTICABLE AND BE SEPARATED BY UNDISTURBED AND COMPACTED EARTH. A MINIMUM HORIZONTAL DISTANCE OF 10 FEET SHALL BE MAINTAINED BETWEEN WATER AND SEWER MAINS OR OTHER SOURCES OF CONTAMINATION. WATER AND SEWER MAINS SHALL NOT BE LAID IN THE SAME TRENCH EXCEPT ON THE WRITTEN APPROVAL OF THE ARKANSAS DEPT. OF HEALTH. WATER MAINS NECESSARILY IN CLOSE PROXIMITY TO SEWER MUST BE PLACED SO THAT THE BOTTOM OF THE WATER MAIN WILL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER MAIN AT ITS HIGHEST POINT. IF THIS DISTANCE MUST UNAVOIDABLY BE REDUCED, OR THE WATER MUST CROSS BELOW THE SEWER, EITHER THE WATER OR SEWER MAIN MUST BE ENCASED IN WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST TEN FEET ON EITHER SIDE OF THE CROSSING. ANY JOINT IN THE ENCASEMENT PIPE IS TO BE MECHANICALLY RESTRAINED. IF THE WATER LINE CROSSES BELOW THE SEWER, 18" OF VERTICAL SEPARATION MUST BE MAINTAINED AND ENCASED AS STATED ABOVE.

1 CHANGES IN THIS REVISION:
1) FIRE HYDRANT AND WATER METER AT THE FRONT PARKING LOT MOVED.

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SITE UTILITY PLAN

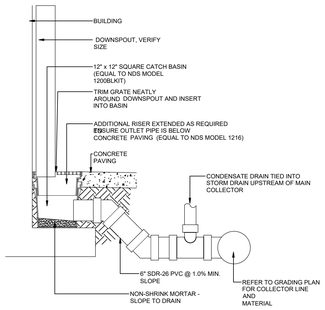
EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12742 JUSTIN WINTON
6/01/26
MINTON ENGINEERING, INC. NO. 1564 CERTIFICATE OF AUTHORIZATION ARKANSAS ENGINEER

DATE: 2026-05-18
PROJECT NO: 25053
DRAWN BY: JM
REV: Δ 2026-06-01

C1.2
4 OF 5

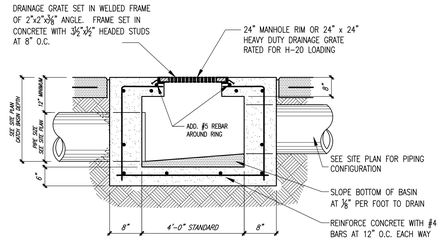
ARKANSAS ONE CALL SYSTEM, INC. DIAL 811 OR 1-800-482-8998 BEFORE YOU DIG



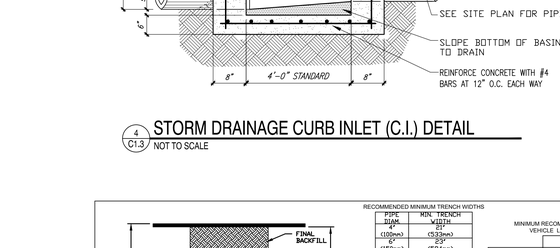
2 C1.3 DOWNSPOUT (D.S.) CONNECTION DETAIL
NOT TO SCALE

SITE LEGEND	
102	EX. CONTOUR LINE
PL	PROPERTY LINE
S	EX. SEWER LINE
G	EX. GAS LINE
E	EX. OVERHEAD ELECTRIC
W	EX. WATER LINE
	EX. TREE
100	PR. CONTOUR
W	PR. WATER
S	PR. SEWER
G	PR. GAS
ST	PR. STORM PIPE
	PR. WATERLINE BLOCKING
	PR. CONCRETE
TS	TOP OF SIDEWALK
TP	TOP OF PAVEMENT
TC	TOP OF CURB
TG	TOP OF GROUND
TT	TOP OF TRACK
RCAP	REINFORCED ARCH CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
FL	FLOW LINE
C.O.T.G.	CLEAN OUT TO GRADE
EX	EXISTING
PR	PROPOSED

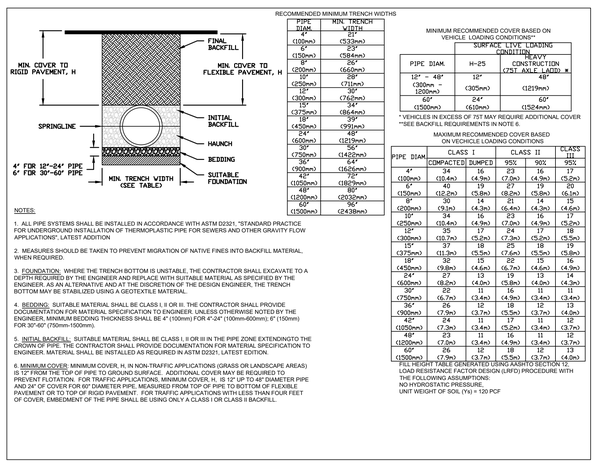
CHANGES IN THIS REVISION:
1) ADDED PLAN FOR TURF PLAYGROUND ALTERNATE (7/C1.3).



3 C1.3 STORM DRAINAGE JUNCTION BOX (J.B.) DETAIL
NOT TO SCALE



4 C1.3 STORM DRAINAGE CURB INLET (C.I.) DETAIL
NOT TO SCALE



RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4" (100mm)	21" (533mm)
6" (150mm)	23" (584mm)
8" (200mm)	26" (660mm)
10" (250mm)	28" (711mm)
12" (300mm)	30" (762mm)
15" (375mm)	34" (864mm)
18" (450mm)	39" (991mm)
24" (600mm)	48" (1219mm)
30" (750mm)	56" (1422mm)
36" (900mm)	64" (1626mm)
42" (1050mm)	72" (1829mm)
48" (1200mm)	80" (2032mm)
60" (1500mm)	96" (2438mm)

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS**

PIPE DIAM.	SURFACE LIVE LOADING CONDITION: H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48" (300mm - 1200mm)	12" (305mm)	48" (1219mm)
60" (1500mm)	24" (610mm)	60" (1524mm)

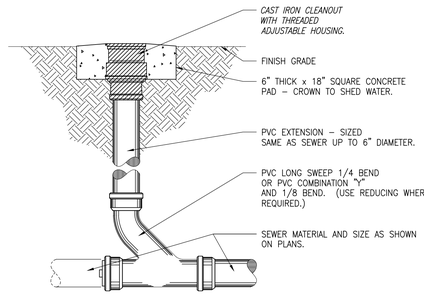
* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER
**SEE BACKFILL REQUIREMENTS IN NOTE 6.

MAXIMUM RECOMMENDED COVER BASED ON VECHICLE LOADING CONDITIONS

PIPE DIAM.	CLASS I		CLASS II		CLASS III
	COMPACTED	DUMPED	95%	90%	95%
4" (100mm)	34 (10.4m)	16 (4.9m)	23 (7.0m)	16 (4.9m)	17 (5.2m)
6" (150mm)	40 (12.2m)	19 (5.8m)	27 (8.2m)	19 (5.8m)	20 (6.1m)
8" (200mm)	30 (9.1m)	14 (4.3m)	21 (6.4m)	14 (4.3m)	15 (4.6m)
10" (250mm)	34 (10.4m)	16 (4.9m)	23 (7.0m)	16 (4.9m)	17 (5.2m)
12" (300mm)	35 (10.7m)	17 (5.2m)	24 (7.3m)	17 (5.2m)	18 (5.5m)
15" (375mm)	37 (11.3m)	18 (5.5m)	25 (7.6m)	18 (5.5m)	19 (5.8m)
18" (450mm)	32 (9.8m)	15 (4.6m)	22 (6.7m)	15 (4.6m)	16 (4.9m)
24" (600mm)	27 (8.2m)	13 (4.0m)	19 (5.8m)	13 (4.0m)	14 (4.3m)
30" (750mm)	22 (6.7m)	11 (3.4m)	16 (4.9m)	11 (3.4m)	11 (3.4m)
36" (900mm)	26 (7.9m)	12 (3.7m)	19 (5.5m)	12 (3.7m)	13 (4.0m)
42" (1050mm)	24 (7.3m)	11 (3.4m)	17 (5.2m)	11 (3.4m)	12 (3.7m)
48" (1200mm)	23 (7.0m)	11 (3.4m)	16 (4.9m)	11 (3.4m)	12 (3.7m)
60" (1500mm)	26 (7.9m)	12 (3.7m)	18 (5.5m)	12 (3.7m)	13 (4.0m)

NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDINGTO THE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.

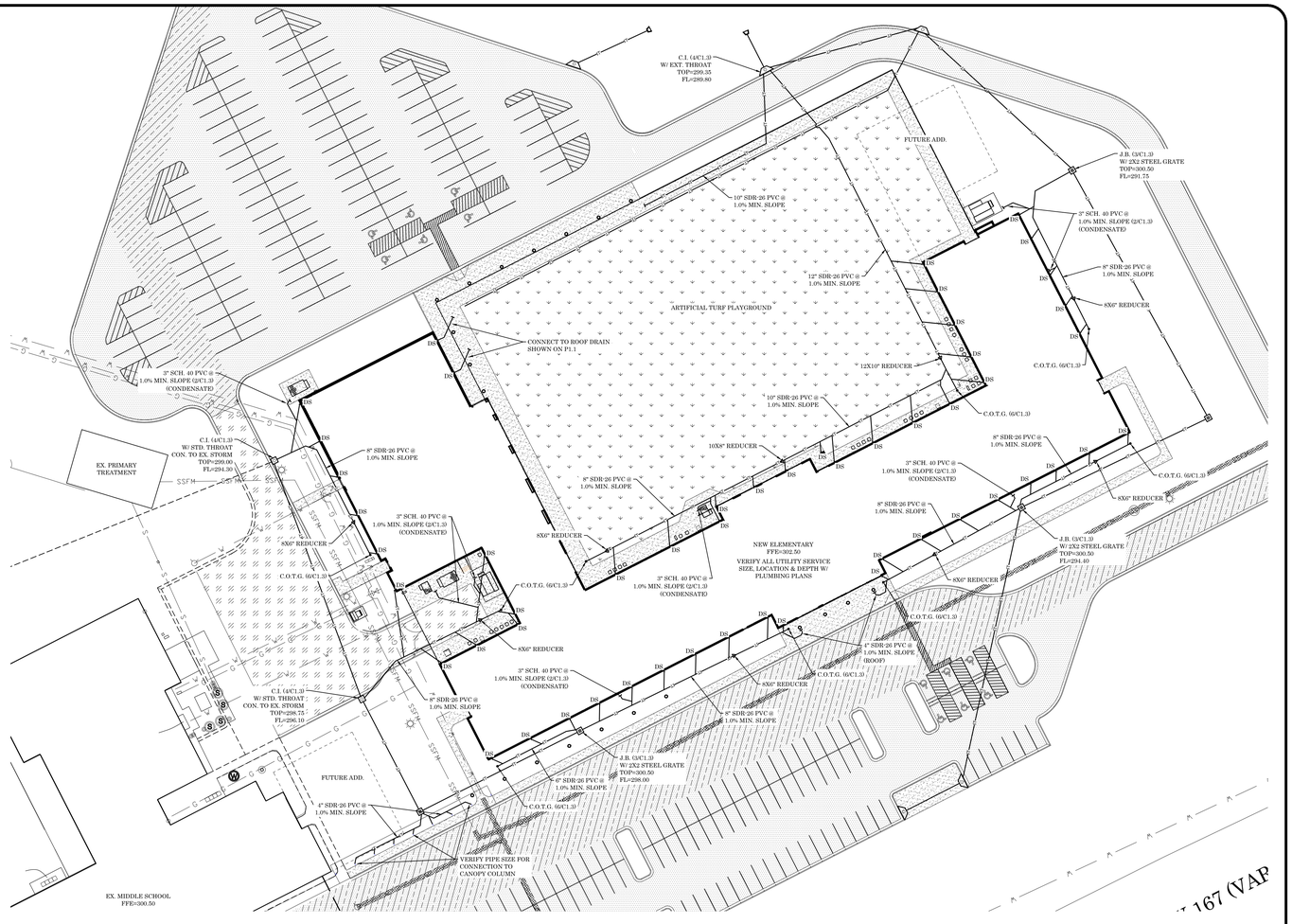
5 C1.3 CORRUGATED PLASTIC PIPE BEDDING DETAIL
NOT TO SCALE



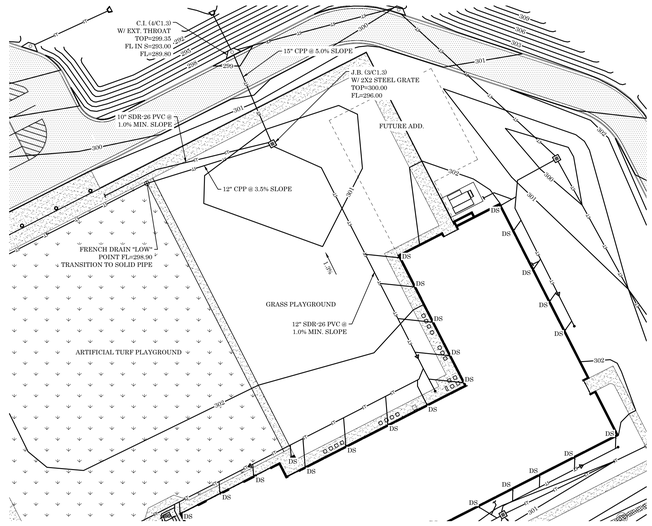
6 C1.3 CLEANOUT TO GRADE (C.O.T.G.) DETAIL
NOT TO SCALE

FILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12, LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS:
NO HYDROSTATIC PRESSURE,
UNIT WEIGHT OF SOIL (Ys) = 120 PCF

GRADATION PLAN NOTE
PRIOR TO INSTALLING ANY SANITARY, STORM, GAS OR WATER LINES BELOW GRADE, THE PLUMBING CONTRACTOR SHALL FURNISH TO THE ARCHITECT TWO COPIES OF A GRADATION PLAN OF THE BUILDING DRAINS AND SEWER LINES WITH PROPOSED ELEVATION GRADES SHOWN AT EACH MAJOR GROUP OF PLUMBING FIXTURES, AT EACH PIPE LINE INTERSECTION, AT EACH PIPE LINE CROSSING, AT EACH GRADE BEAM OR FOOTING PENETRATION/INTERSECTION AND AT ANY EXISTING PIPE LINE CONNECTIONS. THE PLAN SHALL ALSO INCLUDE ALL THOSE PIPE INTERSECTIONS AND/OR PIPE CROSSINGS THAT ARE EXTERIOR OF BUILDING/ADDITION INCLUDING ANY MANHOLES, CONNECTION TO EXISTING MAINS AND CLEANOUTS TO GRADE.



NORTH
1 C1.3 SITE ROOF & CONDENSATE DRAINAGE PLAN
SCALE: 1" = 40'
0 40 80



NORTH
7 C1.3 TURF ALTERNATE PLAN
SCALE: 1" = 40'
0 40 80

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SITE ROOF & CONDENSATE DRAINAGE PLAN

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

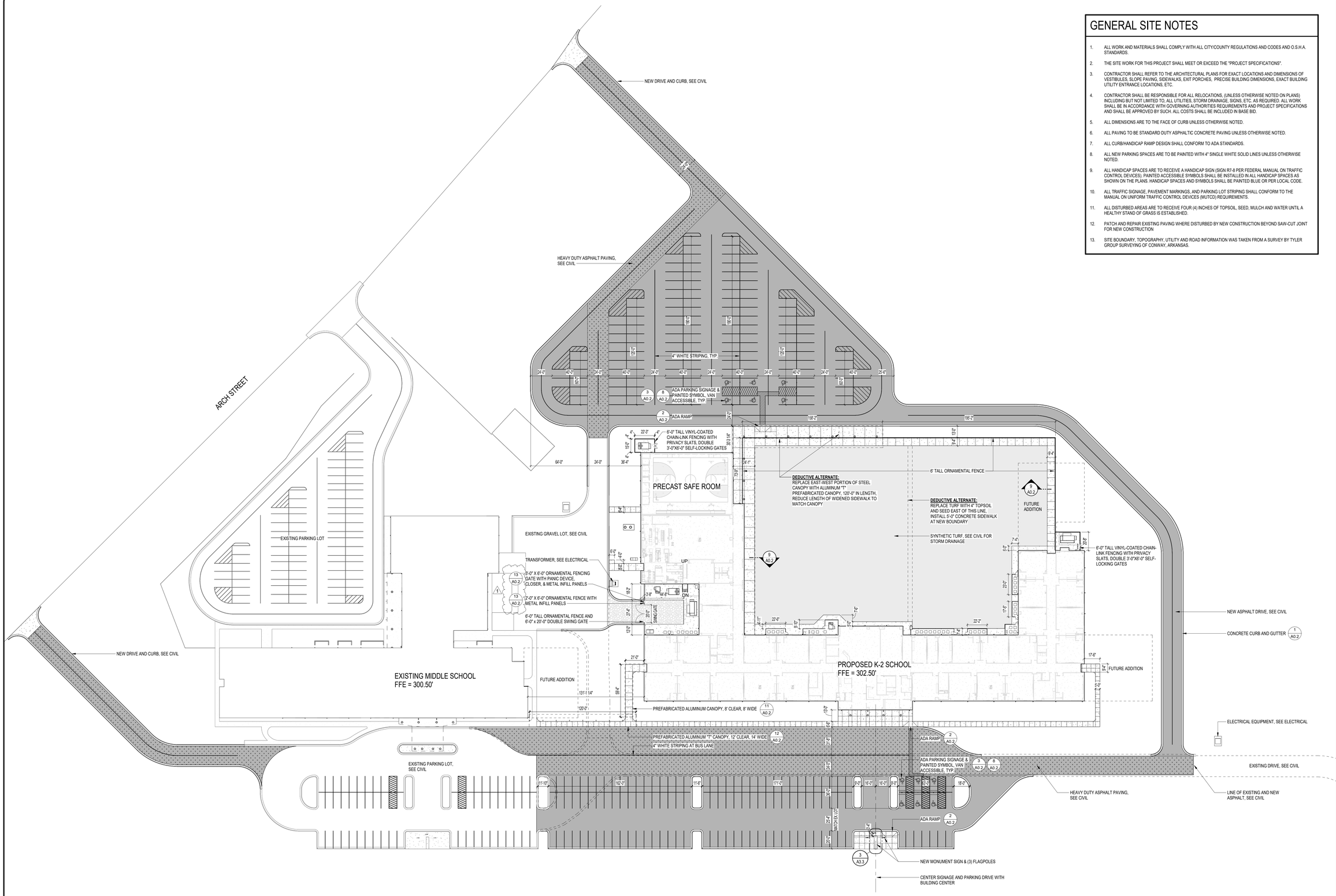
ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12742 — 6/01/26
CERTIFICATE OF AUTHORIZATION — MINTON ENGINEERING, INC. NO. 1564 — ARKANSAS ENGINEER

DATE:	2026 05-18
PROJECT NO:	25053
DRAWN BY:	JM
REV:	Δ 2026 06-01

C1.3
5 OF 5

GENERAL SITE NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE "PROJECT SPECIFICATIONS".
3. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY ENTRANCE LOCATIONS, ETC.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COSTS SHALL BE INCLUDED IN BASE BID.
5. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
6. ALL PAVING TO BE STANDARD DUTY ASPHALTIC CONCRETE PAVING UNLESS OTHERWISE NOTED.
7. ALL CURB/HANDICAP RAMP DESIGN SHALL CONFORM TO ADA STANDARDS.
8. ALL NEW PARKING SPACES ARE TO BE PAINTED WITH 4" SINGLE WHITE SOLID LINES UNLESS OTHERWISE NOTED.
9. ALL HANDICAP SPACES ARE TO RECEIVE A HANDICAP SIGN (SIGN R7-8 PER FEDERAL MANUAL ON TRAFFIC CONTROL DEVICES). PAINTED ACCESSIBLE SYMBOLS SHALL BE INSTALLED IN ALL HANDICAP SPACES AS SHOWN ON THE PLANS. HANDICAP SPACES AND SYMBOLS SHALL BE PAINTED BLUE OR PER LOCAL CODE.
10. ALL TRAFFIC SIGNAGE, PAVEMENT MARKINGS, AND PARKING LOT STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS.
11. ALL DISTURBED AREAS ARE TO RECEIVE FOUR (4) INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
12. PATCH AND REPAIR EXISTING PAVING WHERE DISTURBED BY NEW CONSTRUCTION BEYOND SAW-CUT JOINT FOR NEW CONSTRUCTION
13. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION WAS TAKEN FROM A SURVEY BY TYLER GROUP SURVEYING OF CONWAY, ARKANSAS.



NORTH

1 A0.1 OVERALL SITE PLAN

1" = 40'-0"

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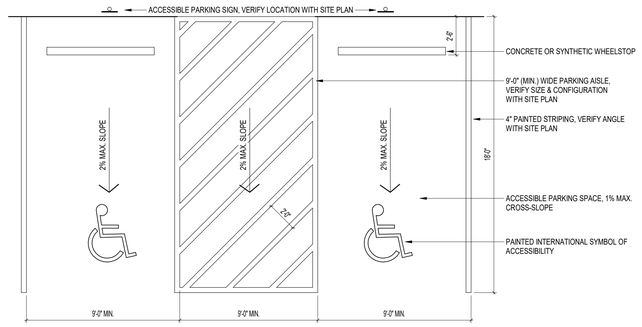
ARCHITECTURAL SITE PLAN

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

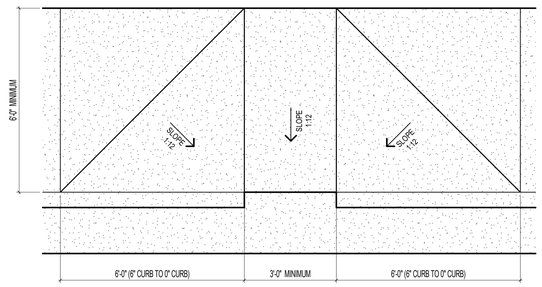
REGISTERED ARCHITECT — LEWIS, ELLIOTT, McMORRAN, VADEN, RAGSDALE, WOODWARD, INC. — C-92 — ARKANSAS — 5/18/26

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: WSD
REV: 1 2026 06-01

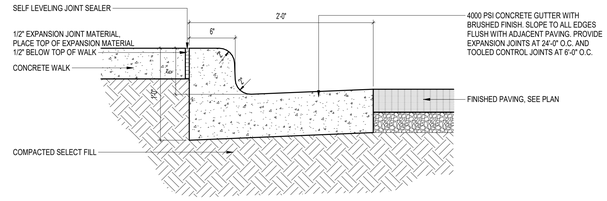
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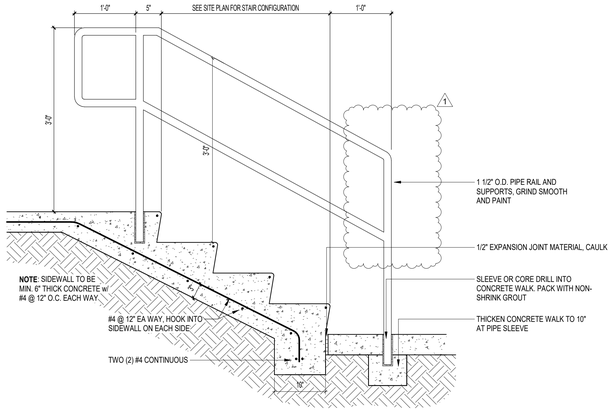
3 A0.2 ADA PARKING DETAIL
1/4" = 1'-0"



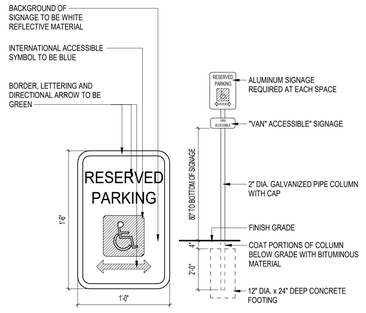
2 A0.2 ACCESSIBLE RAMP DETAIL
1/2" = 1'-0"



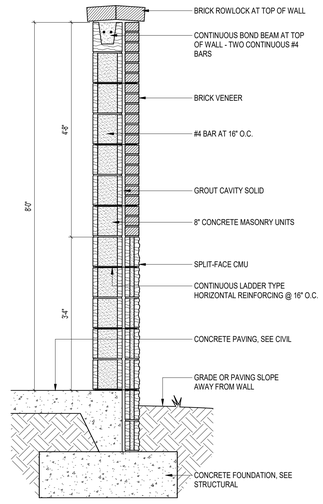
1 A0.2 TYPICAL CURB AND GUTTER DETAIL
1 1/2" = 1'-0"



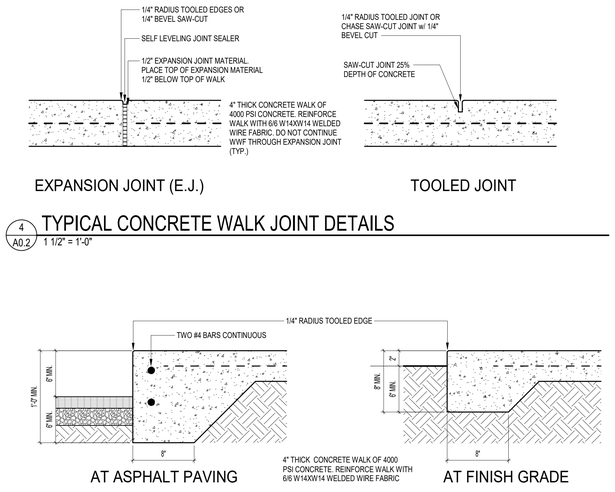
7 A0.2 PIPE HANDRAIL AT EXTERIOR STAIR
1" = 1'-0"



8 A0.2 ADA SIGN DETAIL
1 1/2" = 1'-0"

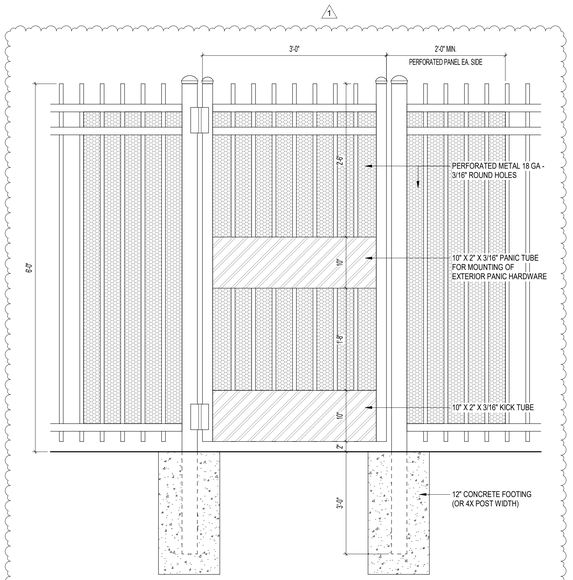


6 A0.2 MASONRY SCREEN WALL
3/4" = 1'-0"

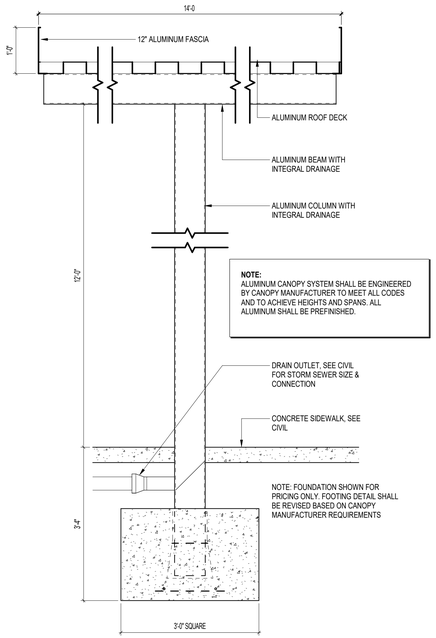


4 A0.2 TYPICAL CONCRETE WALK JOINT DETAILS
1 1/2" = 1'-0"

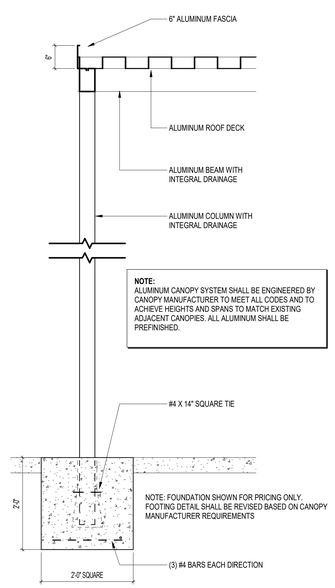
5 A0.2 TYPICAL CONCRETE WALK EDGE DETAILS
1 1/2" = 1'-0"



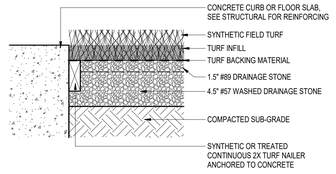
13 A0.2 MAN GATE ELEVATION
1" = 1'-0"



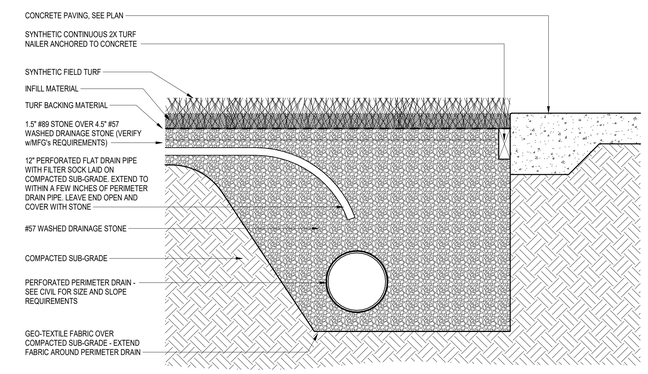
12 A0.2 METAL SIDEWALK "T" CANOPY DETAIL
3/4" = 1'-0"



11 A0.2 METAL SIDEWALK CANOPY DETAIL
3/4" = 1'-0"



10 A0.2 TURF EDGE DETAIL
1 1/2" = 1'-0"



9 A0.2 TURF PERIMETER DRAIN
1 1/2" = 1'-0"

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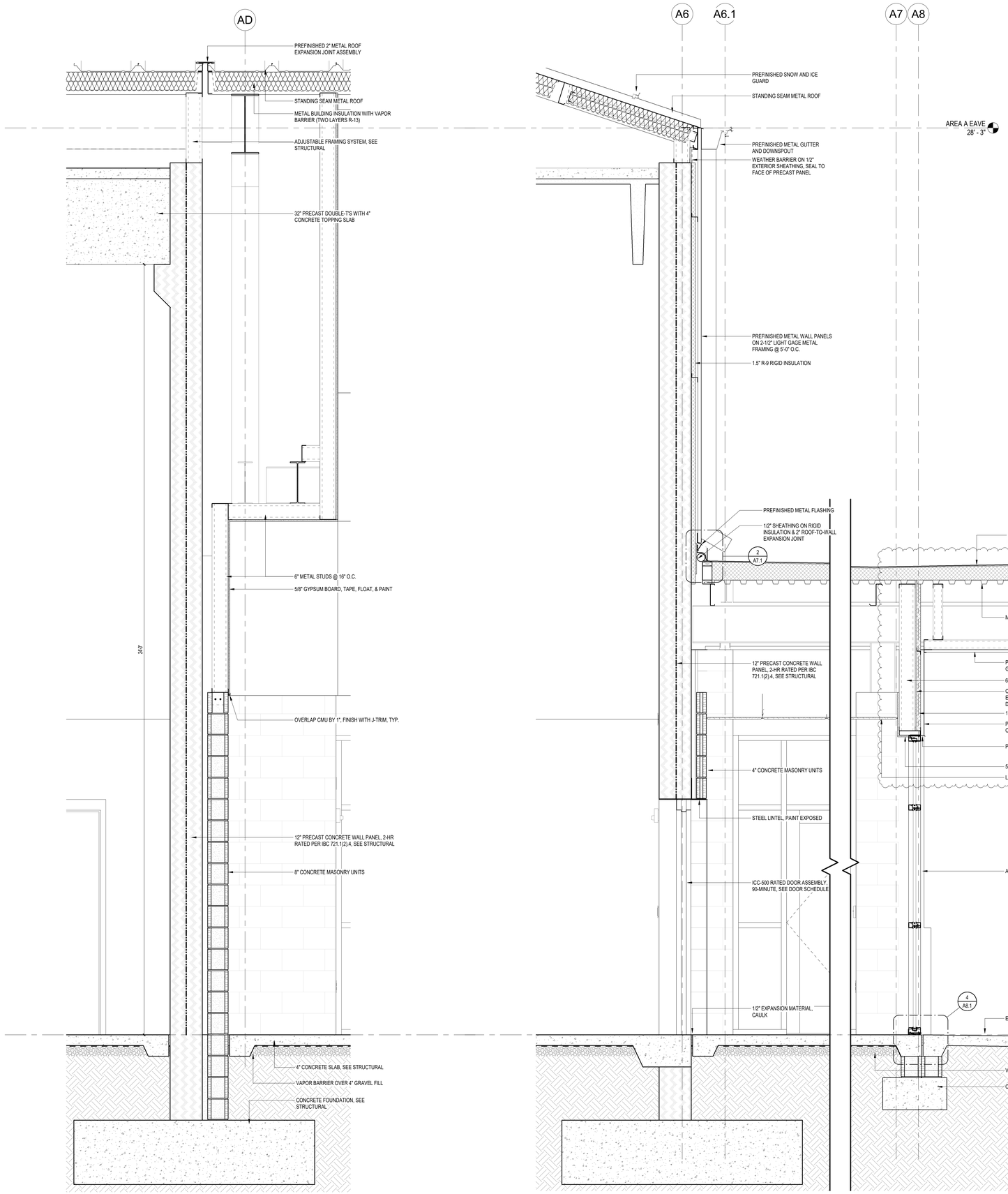
SITE DETAILS

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

REGISTERED ARCHITECT
LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, WOODWARD, INC.
NO. C-82
ARKANSAS
5/18/26

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: WSD/SP
REV: 1 2026 06-01

A0.2



2 A5.12 WALL SECTION @ DINING AND SAFE ROOM
3/4" = 1'-0"

1 A5.12 WALL SECTION @ SAFE ROOM INTERIOR DOORS
3/4" = 1'-0"

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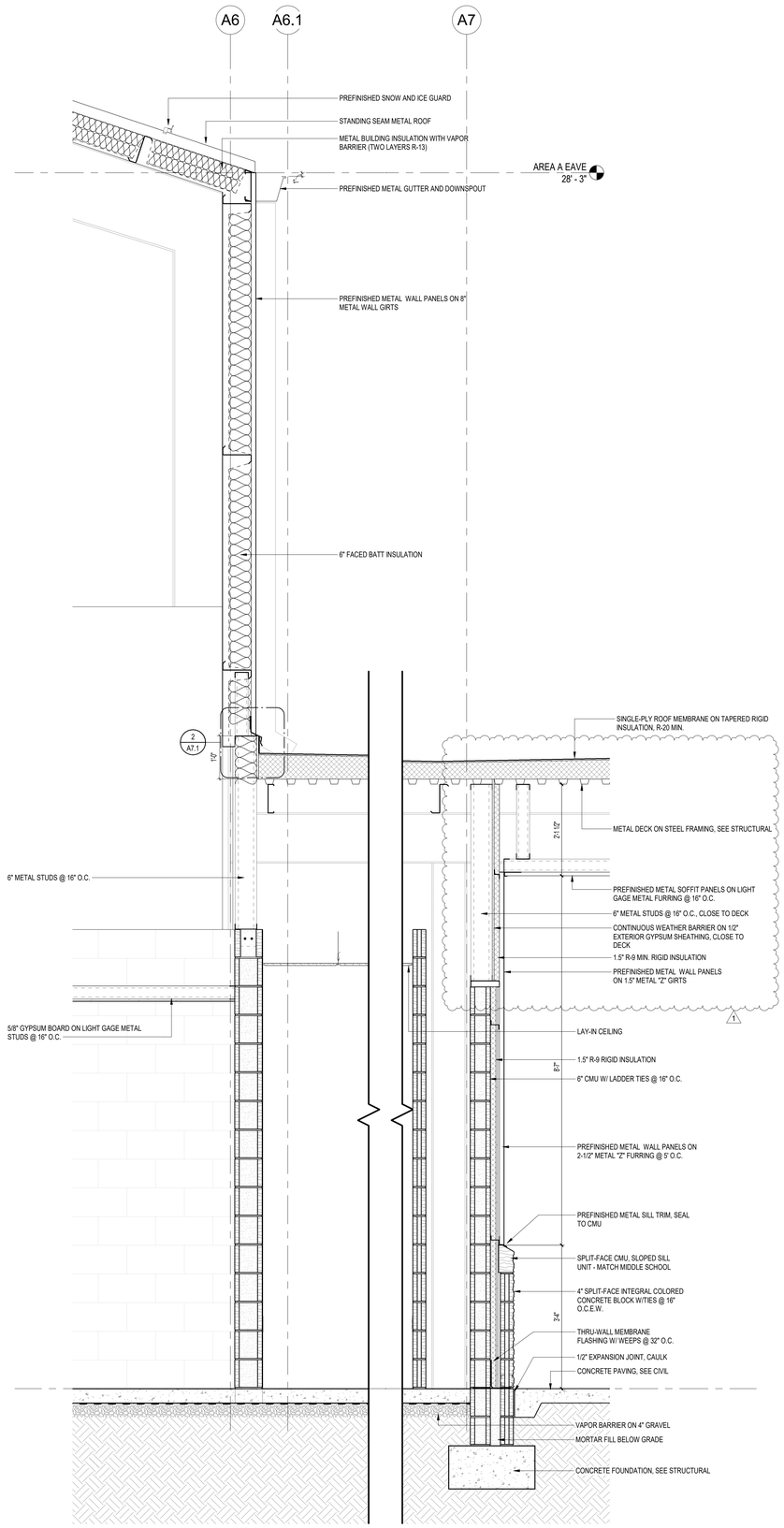
WALL SECTIONS - AREA A

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

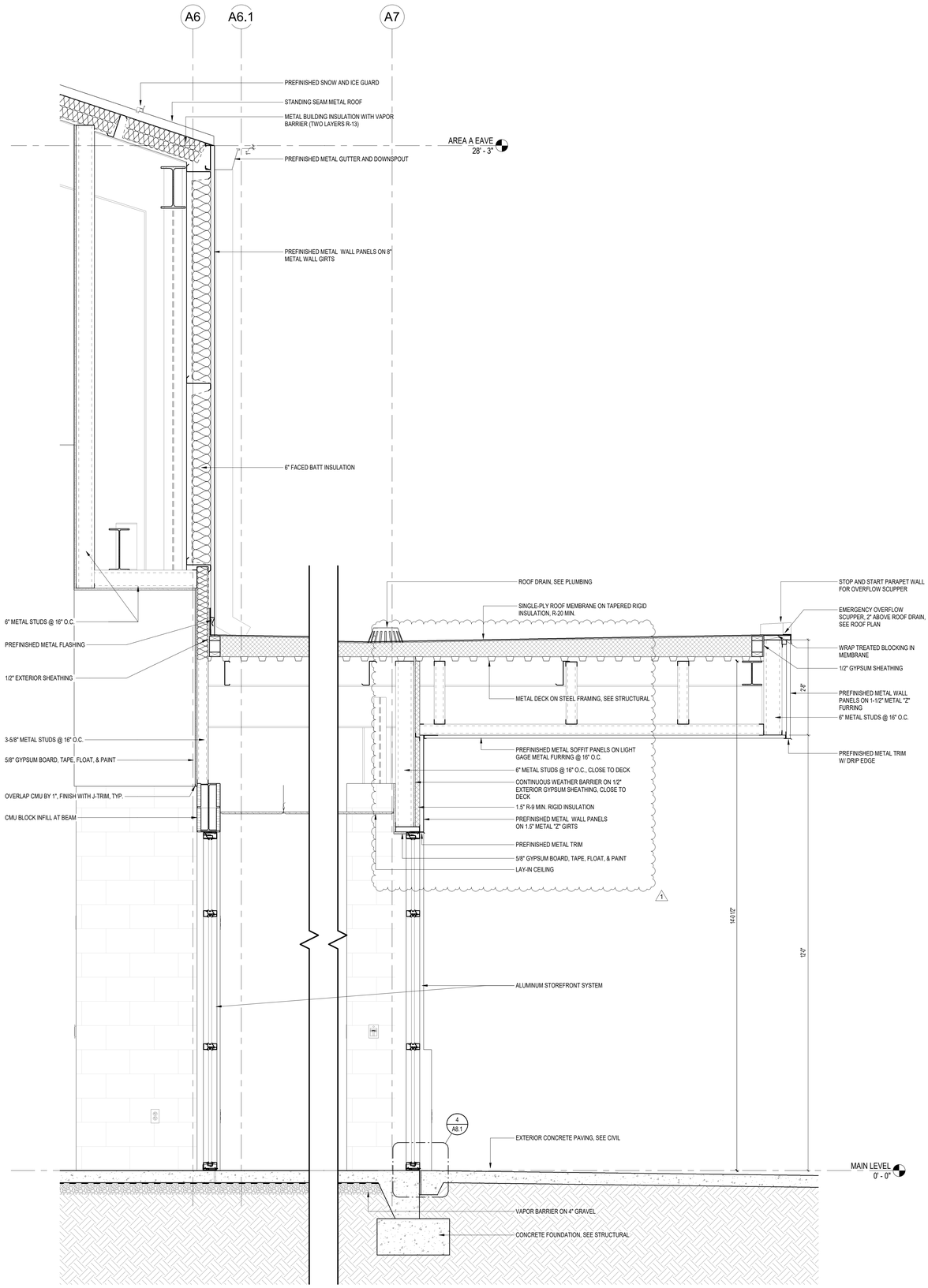
REGISTERED ARCHITECT
LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, WOODWARD
NO. C-82
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A5.12



2 A5.13 WALL SECTION @ DINING CANOPY
3/4" = 1'-0"



1 A5.13 WALL SECTION @ DINING CANOPY GLAZING
3/4" = 1'-0"

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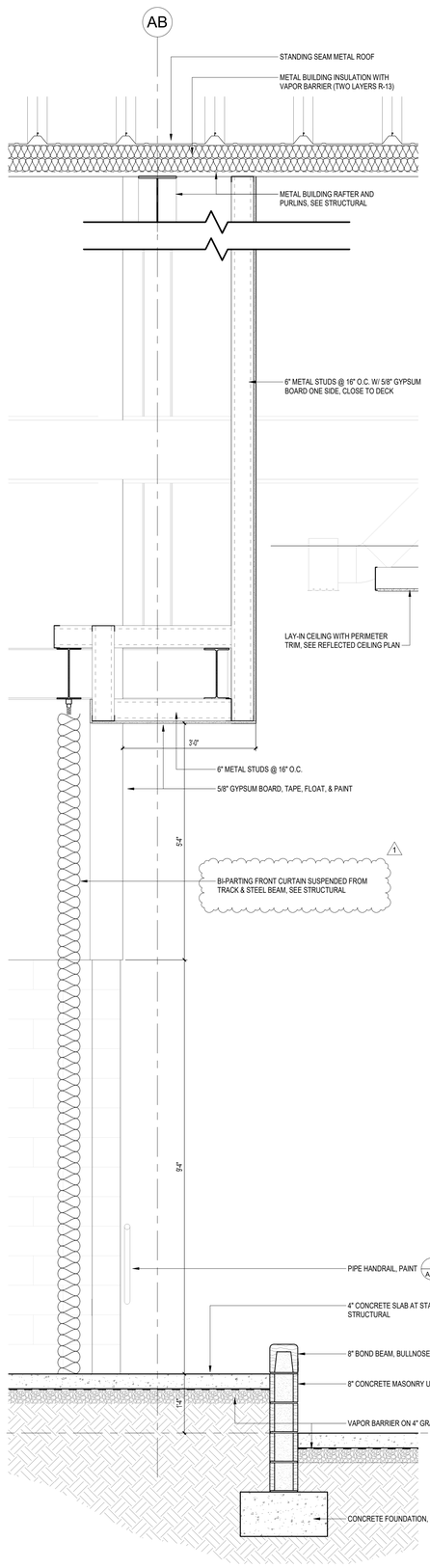
WALL SECTIONS - AREA A

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

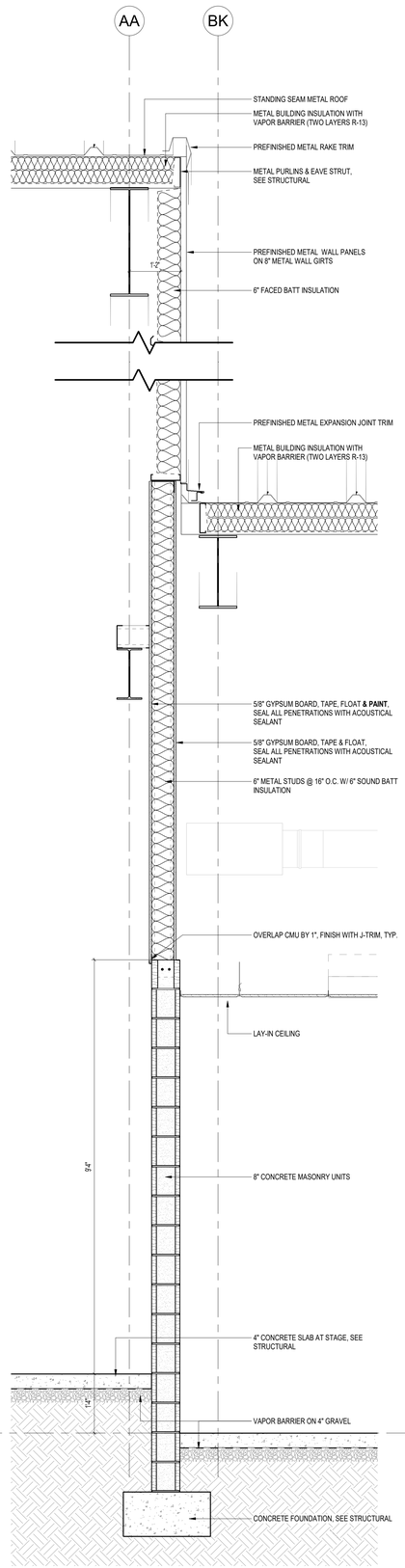
REGISTERED ARCHITECT
LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, WOODWARD, INC.
NO. C-82
ARKANSAS
5/18/26

DATE:	2026 05-18
PROJECT NO:	25053
DRAWN BY:	WSD/SP
REV:	1 2026 06-01

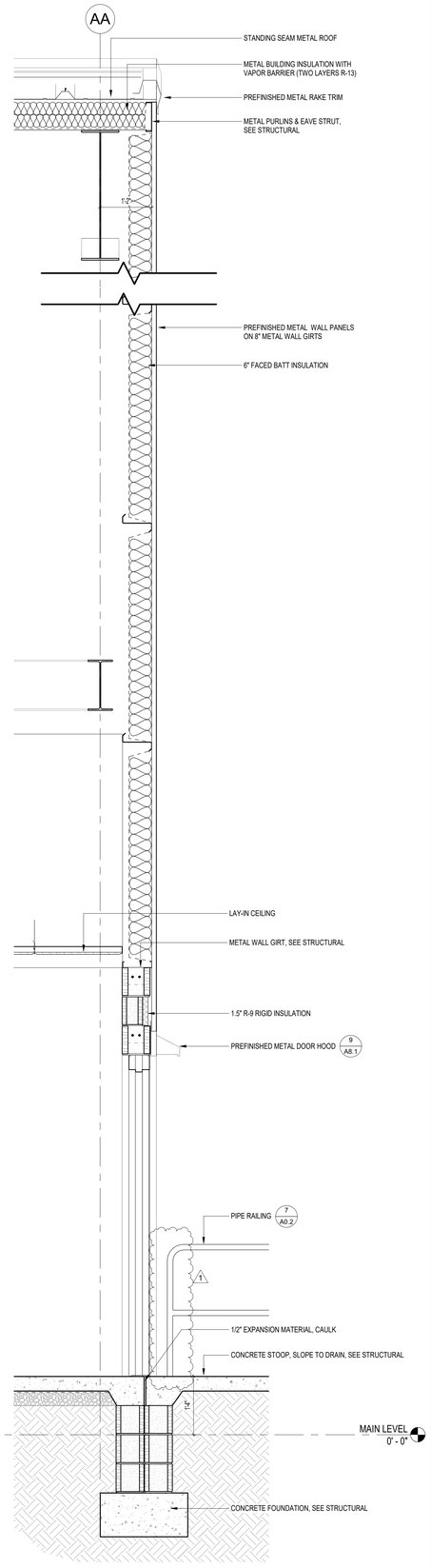
A5.13



3 A5.15 WALL SECTION @ STAGE INTERIOR
3/4" = 1'-0"



2 A5.15 WALL SECTION @ STAGE AND CLASSROOM
3/4" = 1'-0"



1 A5.15 WALL SECTION @ STAGE EXTERIOR
3/4" = 1'-0"

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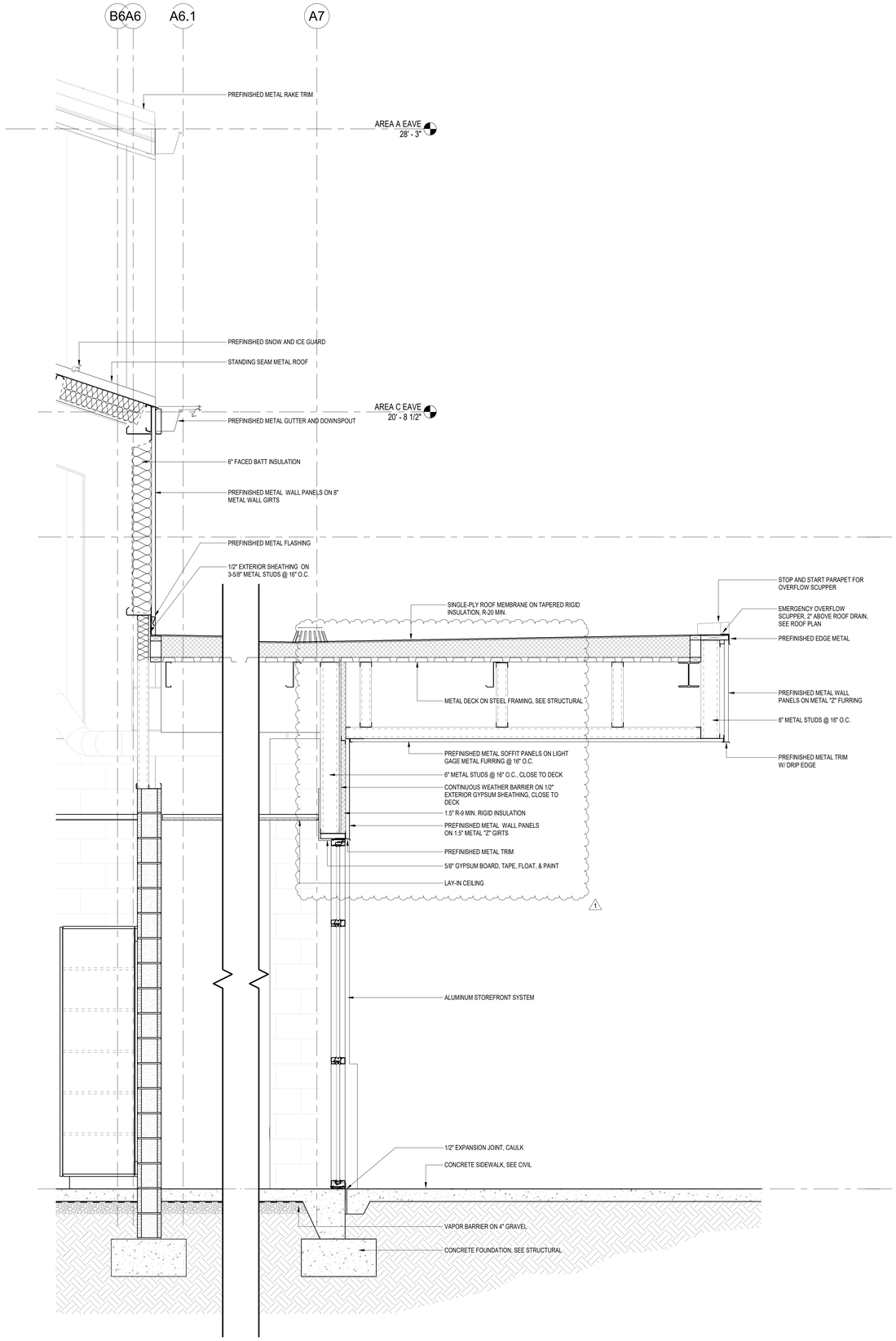
WALL SECTIONS - AREA A

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

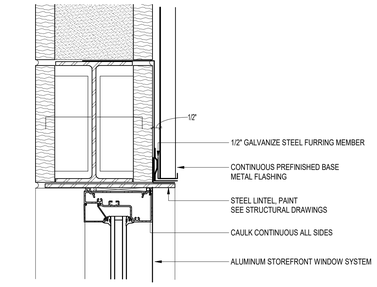
REGISTERED ARCHITECT
LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE & WOODWARD, INC.
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ARKANSAS
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DATE: 2026 05-18
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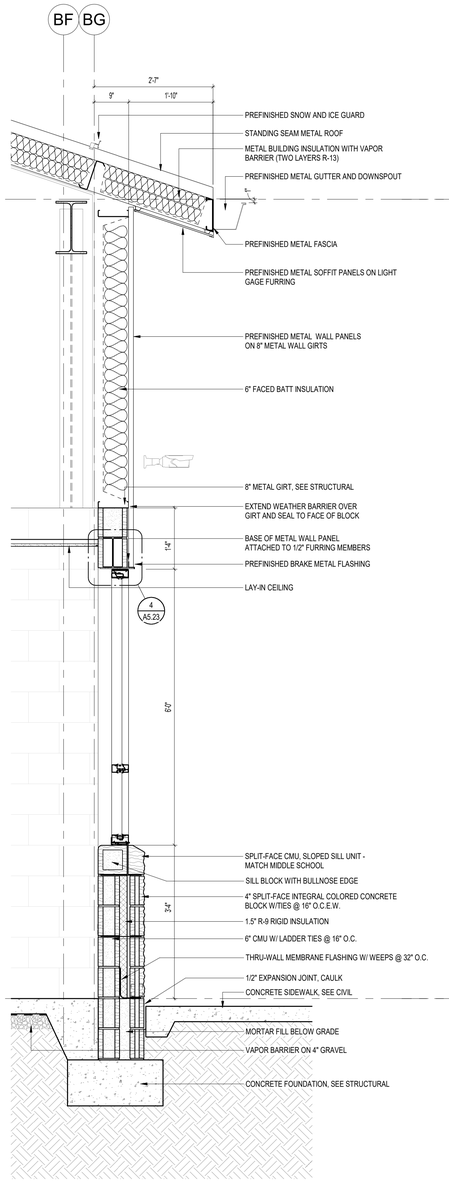
A5.15



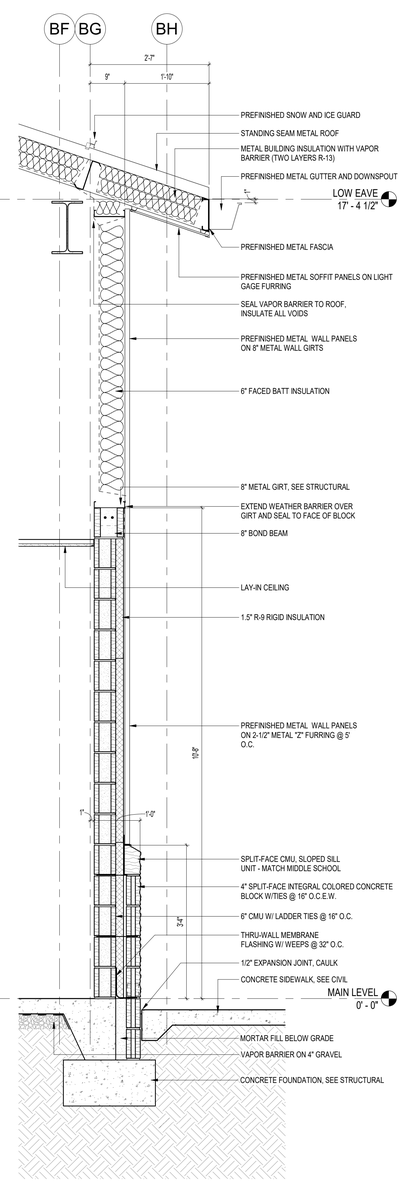
3 A5.23 WALL SECTION @ AREA B CANOPY
3/4" = 1'-0"



4 A5.23 STOREFRONT HEAD DETAIL AT MWP
3" = 1'-0"



2 A5.23 WALL SECTION @ CLASSROOM WINDOW AT MWP
3/4" = 1'-0"



1 A5.23 WALL SECTION @ CLASSROOM AT MWP
3/4" = 1'-0"

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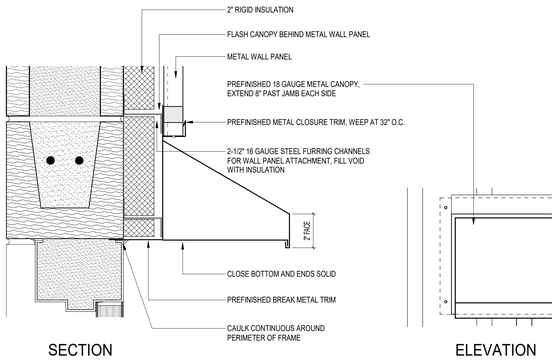
WALL SECTIONS - AREA B

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

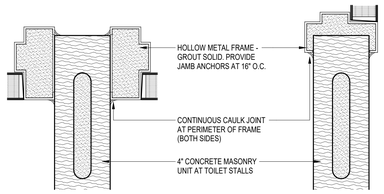
REGISTERED ARCHITECT
LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, WOODWARD, INCORPORATED
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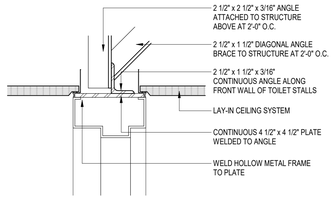
A5.23



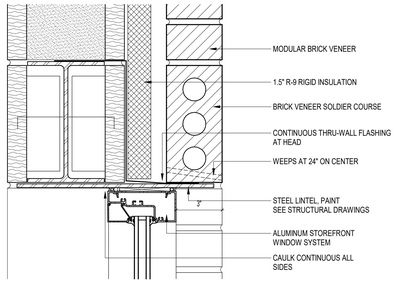
9 A8.1 EXTERIOR HOLLOW METAL FRAME
3" = 1'-0"



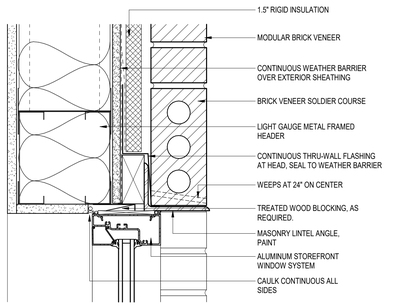
8 A8.1 HOLLOW METAL FRAME @ TOILET JAMB
3" = 1'-0"



7 A8.1 HOLLOW METAL FRAME @ TOILET HEAD
3" = 1'-0"



6 A8.1 EXTERIOR ALUMINUM STOREFRONT (@ MASONRY)
3" = 1'-0"



5 A8.1 EXTERIOR ALUMINUM STOREFRONT
3" = 1'-0"

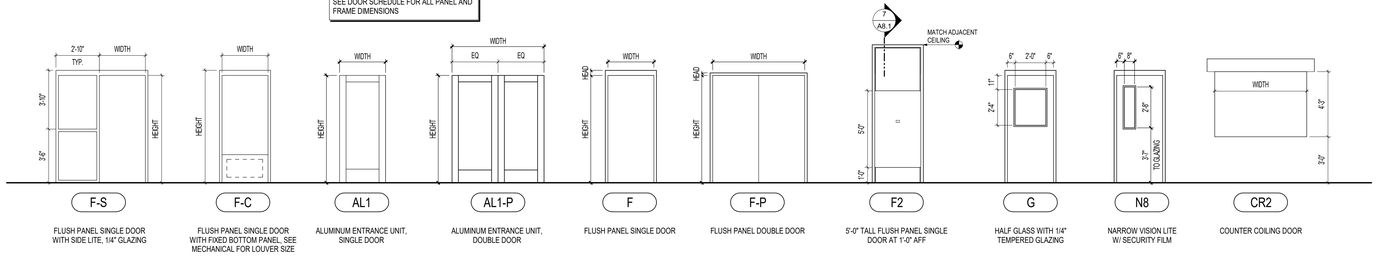
DOOR SCHEDULE

MARK	HW Set	PANEL TYPE	PANEL WIDTH	PANEL HEIGHT	PANEL THICK.	PANEL MATERIAL	PANEL FINISH	FRAME MATERIAL	FRAME FINISH	FRAME DEPTH	FRAME HEAD	COMMENTS
101.1	2.0	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	ACCESS CONTROLLED HARDWARE
101.2	2.0	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	
101.3	2.0	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	
102.1	3.0	F-P	6'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	HMF	PAINT	5 3/4"	2"	ICC-500, ACCESS CONTROLLED HARDWARE
102.2	7.0	F-P	6'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	ICC-500, 90-MIN LABEL
103.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
104.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
105.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
106.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
107.1	12.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
108.1	9.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	ACCESS CONTROLLED HARDWARE
109.1	12.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
110.1	26.0	F2	3'-0"	5'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	4 3/4"	2"	
110.2	24.0	F2	2'-4"	5'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	4 3/4"	2"	
111.1	26.0	F2	3'-0"	5'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	4 3/4"	2"	
112.1	6.0	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	
112.2	6.0	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	
113.1	4.0 (1)	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	HMF	PAINT	5 3/4"	4"	ACCESS CONTROLLED HARDWARE
114.1	16.0	F-P	6'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
115.1	32.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
115.2	32.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
116.1	4.0 (1)	F	4'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	HMF	PAINT	5 3/4"	4"	ACCESS CONTROLLED HARDWARE
117.1	18.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
118.1	24.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
120.1	31.0	CR2	3'-4"	4'-0"	2"	<By Category>	PRE-FINISHED	-	-			JAMB AND HEADER BY KITCHEN EQUIPMENT PROVIDER
121.1	27.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
122.1	17.0	FG	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
124.1	12.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
201.1	2.0	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	ACCESS CONTROLLED HARDWARE
202.1	22.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
203.1	22.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
203.2	12.0	F-C	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
204.1	18.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
205.1	20.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
206.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
207.1	15.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
208.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
209.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
210.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
211.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
212.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
213.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
214.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
215.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
216.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
217.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
218.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
219.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
220.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
221.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
222.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
223.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
224.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
225.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
226.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
227.1	10.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	ACCESS CONTROLLED HARDWARE
228.1	14.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
229.1	4.0 (1)	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	HMF	PAINT	5 3/4"	4"	
230.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
231.1	22.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
232.1	18.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
233.1	18.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
234.1	18.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	

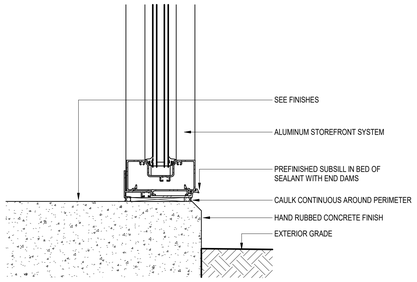
DOOR SCHEDULE

MARK	HW Set	PANEL TYPE	PANEL WIDTH	PANEL HEIGHT	PANEL THICK.	PANEL MATERIAL	PANEL FINISH	FRAME MATERIAL	FRAME FINISH	FRAME DEPTH	FRAME HEAD	COMMENTS
301.1	2.0 (1)	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	ACCESS CONTROLLED HARDWARE
301.2	1.0	AL1	3'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	ACCESS CONTROLLED HARDWARE
302.1	2.0 (1)	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	ACCESS CONTROLLED HARDWARE
302.2	5.0	AL1	3'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	ACCESS CONTROLLED HARDWARE
302.3	2.0	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	
303.1	10.0	G	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	ACCESS CONTROLLED HARDWARE
304.1	19.0	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
305.1	18.0	G	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
306.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
307.1	29.0	AL1	3'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	ACCESS CONTROLLED HARDWARE
307.2	13.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
308.1	18.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
309.1	17.0	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
310.1	17.0	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
311.1	9.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	ACCESS CONTROLLED HARDWARE
312.1	28.0	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
313.1	12.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
314.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
315.1	17.0	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
316.1	17.0	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
317.1	16.0	F-P	6'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	
318.1	10.0	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	ACCESS CONTROLLED HARDWARE
318.2	8.0	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	2"	ACCESS CONTROLLED HARDWARE
319.1	30.0	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	
320.1	21.0	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
320.2	17.0	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	8 1/4"	2"	
321.1	11.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
401.1	2.0	AL1-P	6'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	
401.2	2.0	AL1-P	5'-10"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	ALUM.	SEE SPEC.	4 1/2"	2"	
402.1	22.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
403.1	22.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
404.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
405.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
406.1	22.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
407.1	22.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
408.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
409.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
410.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
411.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
412.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
413.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
414.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
415.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
416.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
417.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
418.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
419.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
420.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
421.1	20.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
422.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
423.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
424.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
425.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
426.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
427.1	12.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
428.1	8.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	ACCESS CONTROLLED HARDWARE
429.1	12.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
430.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
431.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
432.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
433.1	25.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
434.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
435.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
436.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
437.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
438.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
439.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
440.1	21.0	F-S	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	
441.1	23.0	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	HMF	PAINT	5 3/4"	4"	

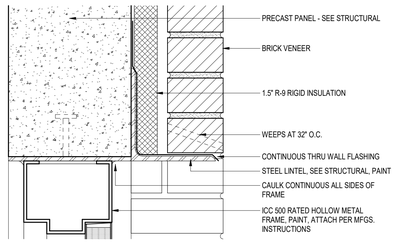
NOTE:
SEE DOOR SCHEDULE FOR ALL PANEL AND FRAME DIMENSIONS



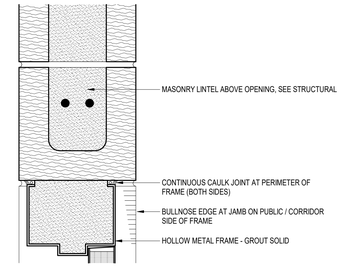
1 A8.1 DOOR ELEVATIONS
1/4" = 1'-0"



4 A8.1 EXTERIOR ALUMINUM STOREFRONT SILL
3" = 1'-0"



3 A8.1 HOLLOW METAL FRAME
3" = 1'-0"



2 A8.1 HOLLOW METAL FRAME
3" = 1'-0"

LEWIS ELLIOTT • MCMORRAN • VADEN
ARCHITECTS
ENGINEERS
RAGSDALE • WOODWARD • INCORPORATED
501 223 9302 • WWW.LEMVRW.COM

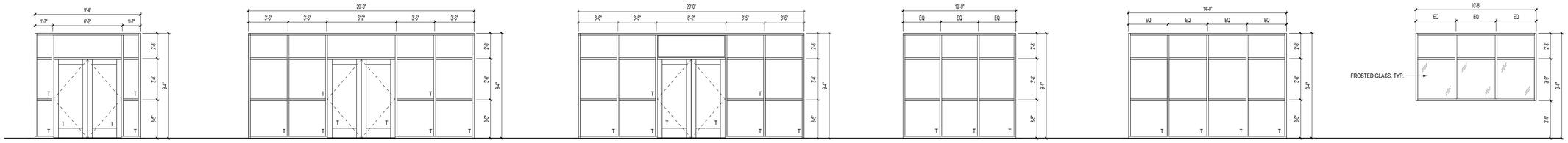
DOOR SCHEDULE & DETAILS

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

REGISTERED ARCHITECT
LEWIS, ELLIOTT, McMORRAN, VADEN, RAGSDALE, WOODWARD, INC.
NO. C-82
ARKANSAS
5/18/26

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: WSD/SP
REV: 1 2026 06-01

A8.1



A

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING. TEMPERED WHERE INDICATED

B

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING. TEMPERED WHERE INDICATED

C

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1/4" GLAZING. TEMPERED WHERE INDICATED

D

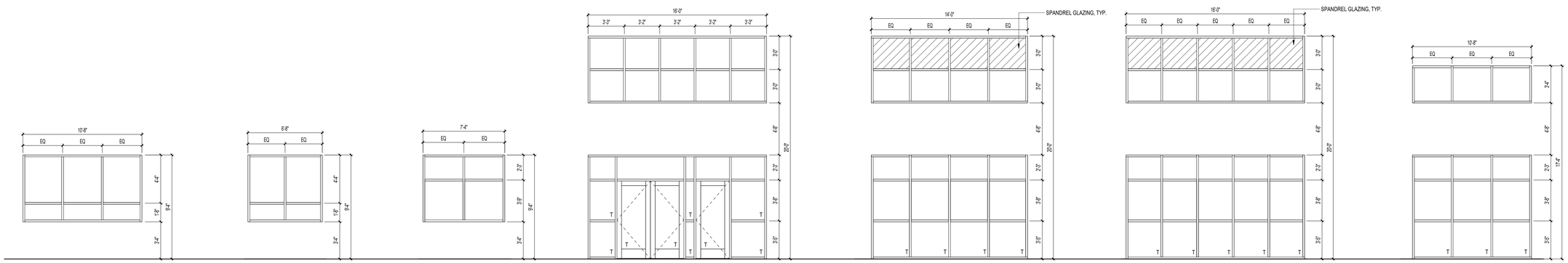
ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING. TEMPERED WHERE INDICATED

E

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING. TEMPERED WHERE INDICATED

F

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING



G

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING

H

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING

J

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING

K

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING. TEMPERED WHERE INDICATED

L

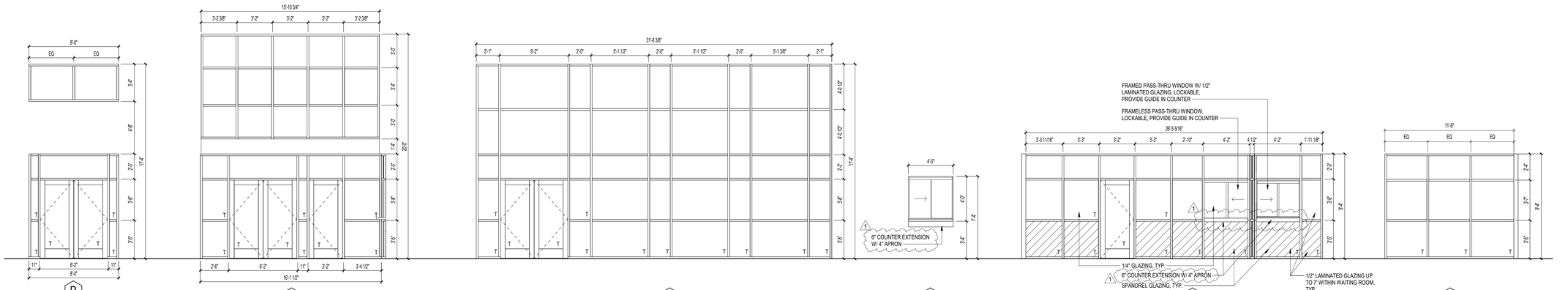
ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING. TEMPERED WHERE INDICATED

M

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING. TEMPERED WHERE INDICATED

N

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING. TEMPERED WHERE INDICATED



P

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" LOW-E, TINTED, INSULATED GLAZING. TEMPERED WHERE INDICATED

Q

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1/4" GLAZING. TEMPERED WHERE INDICATED

R

6" ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1/4" GLAZING. TEMPERED WHERE INDICATED

S

FRAMED PASS-THRU WINDOW WITH 1/2" LAMINATED GLAZING, LOCKABLE, PROVIDE GUIDE IN COUNTER

T

ALUMINUM STOREFRONT WINDOW SYSTEM WITH GLAZING AS NOTED, TEMPERED WHERE INDICATED

U

ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1/4" GLAZING, TEMPERED WHERE INDICATED

1 A8.2 WINDOW ELEVATIONS

1/4" = 1'-0"

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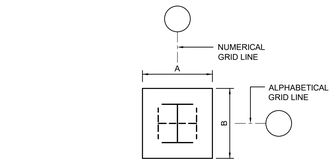
WINDOW ELEVATIONS

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
HENSLEY, ARKANSAS

REGISTERED ARCHITECT
LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, WOODWARD
NO. C-82
ARKANSAS
5/18/26

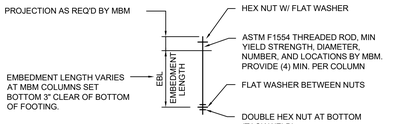
DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: SP
REV: 1 2026 06-01

A8.2

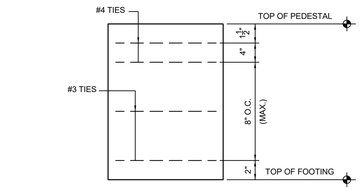


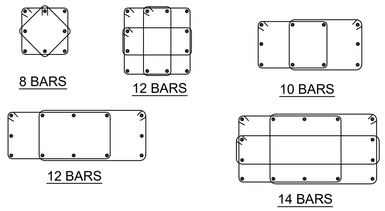
NOTES:
1. COLUMN ORIENTATION VARIES. SEE PLAN.
2. SEE SCHEDULE FOR 'A' & 'B' DIMENSIONS (UNO)

A S1.2 COLUMN PEDESTAL ORIENTATION
NTS



C S1.2 TYPICAL ANCHOR BOLT FOR MBM COLS
NTS





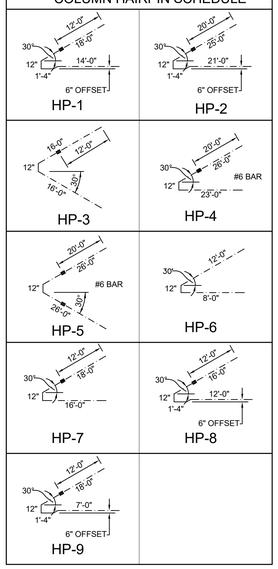
NOTES:
1. SEE COLUMN AND PEDESTAL SCHEDULE ON S1.2 FOR VERTICAL REINFORCING.
2. TOP TWO TIES SHALL BE #4 & SPACED @ 4" O.C. REMAINING TIES TO BE #3 AND SPACED AT 8" O.C. MAXIMUM UNO ON DETAILS. PROVIDE 1 TIE IN FOOTING.
3. TIES SHALL BE 2" CLEAR FROM FORMED FACE & 3" CLEAR FROM FACE POURED AGAINST EARTH @ MONOLITHIC SLABS

B S1.2 PEDESTAL TIE CONFIGURATION
NTS

D S1.2 SPECIAL TAPERED COLUMN (COLUMN MARK B)
NTS

E S1.2 SPECIAL TAPERED COLUMN (COLUMN MARK N)
NTS

COLUMN HAIRPIN SCHEDULE



NOTES:
1. ALL SPLICES IN HAIRPINS SHALL BE MADE WITH MECHANICAL CONNECTORS.
2. RUN HAIRPIN REINFORCING THRU CONTROL OR CONSTRUCTION JOINTS.
3. HAIRPINS SHALL BE #5 (UNO IN SCHED) GRADE 60 KSI STEEL.
4. PROVIDE STANDEES FOR SUPPORT.

AREA A CAFETERIA COLUMN SCHEDULE

GRID	① COLUMN MARK	② FOOTING MARK	TOP OF FOOTING ELEV.	③ MAX. COL. REACTION (KIPS) Pd	Pu	H	④ PEDESTAL SIZE 'A' x 'B'	⑤ PEDESTAL REINFORCING	⑥ HAIRPIN MARK	REFERENCE DETAIL
AA-A1	A	46	301.17'	12	4	6	3'-0" x 1'-10"	(10) #7 *	HP-8	1/S3.3 & 3/S3.3 SIM
AA-A2	H	46	301.17'	16	6	6	2'-0" x 1'-10"	(8) #5	HP-3	2/S3.3
AA-A4	H	46	301.17'	7	2	6	2'-2" x 1'-10"	(8) #6	HP-7	2/S3.3
AA-A5	H	66	301.17'	22	5	6	2'-0" x 2'-0"	(8) #6	HP-3	17/S3.2
AA-A6	A	66	301.17'	12	4	6	2'-6" x 4'-4"	(14) #7	HP-8	7/S3.3
AA-A7	D	50	301.17'	11	4	2	1'-10" x 4'-4"	(12) #6	———	16/S3.2
AB-A1	A	76	301.17'	64	16	42	3'-10" x 3'-8"	(14) #8	———	10/S3.2 & 12/S3.2
AB-A3	M	40	301.17'	7	0	0	2'-0" x 2'-6"	(8) #6	———	6/S3.3
AB-A6	N	76	301.17'	72	16	42	3'-4" x 3'-4"	(14) #7	———	11/S3.2 & 13/S3.2
AB-A7	D	50	301.17'	22	6	2	1'-10" x 2'-10"	(8) #7	———	16/S3.2 & 4/S3.3 SIM
AC-A1	A	76	301.17'	64	16	42	3'-0" x 3'-6"	(14) #7	———	10/S3.2 & 13/S3.2
AC-A3	M	40	301.17'	4	0	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
AC-A6	N	76	301.17'	64	16	42	3'-4" x 3'-6"	(14) #7	———	11/S3.2 & 13/S3.2
AC-A7	D	50	301.17'	22	6	2	1'-10" x 2'-10"	(8) #7	———	16/S3.2 & 4/S3.3 SIM
AD-A1	A	SEE 7/S3.2	299.83'	12	6	6	3'-0" x 2'-2"	(10) #7 *	HP-8	7/S3.2 & 3/S3.3 SIM
AD-A3	H	SEE 8/S3.2	299.83'	24	3	0	2'-0" x 2'-2"	(8) #6	———	8/S3.2
AD-A4.5	H	SEE 8/S3.2	299.83'	20	2	0	2'-0" x 2'-2"	(8) #6	———	8/S3.2
AD-A5.5	H	SEE 8/S3.2	299.83'	22	7	0	2'-0" x 2'-2"	(8) #6	———	8/S3.2
AD-A6	A	SEE 7/S3.2	299.83'	15	4	6	3'-0" x 2'-2"	(10) #7 *	HP-8	7/S3.2 & 7/S3.3 SIM
AD-A7	D	50	299.83'	16	4	2	1'-10" x 2'-6"	(8) #6	———	16/S3.2
AE-A6.1	E	SEE 9/S3.2	299.83'	4	2	2	1'-9" x 2'-0"	(8) #5	———	9/S3.2
AE-A7	D	46	301.17'	7	2	2	1'-10" x 2'-1"	(8) #5	———	16/S3.2

FOR AREA A CANOPY, SEE CANOPY DETAILS ON S5.4

COLUMN SCHEDULE NOTES:
① FOR COLUMN DESCRIPTION OR SIZE, SEE SCHEDULE ON SHEET S1.2
② SEE SHEET S1.2 FOR FOOTING SCHEDULE AND REINFORCING.
③ SEE MAXIMUM ALLOWABLE REACTION NOTE ON SHEET S1.2
④ SEE A/S1.2 FOR PEDESTAL DIMENSIONS & ORIENTATION.
⑤ SEE B/S1.2 FOR PEDESTAL TIE SIZE, SPACING AND CONFIGURATION.
⑥ SEE SHEET S1.2 FOR HAIRPIN SCHEDULE

* INDICATES PEDESTAL TIES TO BE #4 @ 4" O.C. SEE B/S1.2 FOR CONFIGURATION.

AREA B COLUMN SCHEDULE

GRID	① COLUMN MARK	② FOOTING MARK	TOP OF FOOTING ELEV.	③ MAX. COL. REACTION (KIPS) Pd	Pu	H	④ PEDESTAL SIZE 'A' x 'B'	⑤ PEDESTAL REINFORCING	⑥ HAIRPIN MARK	REFERENCE DETAIL
BA-B1	B	56	301.17'	8.1	5.5	4.4	3'-8" x 2'-4"	(10) #7	HP-1	3/S3.3 & 5/S3.3
BA-B2	B	60	301.17'	19.8	8.3	8	3'-8" x 2'-4"	(10) #7	HP-5	3/S3.3 & 4/S3.3
BA-B3	B	46	301.17'	19.8	5.3	8	2'-2" x 2'-4"	(8) #6	HP-5	3/S3.3
BA-B5	B	46	301.17'	19.8	5.3	8	2'-2" x 2'-4"	(8) #6	HP-5	3/S3.3
BA-B6	B	46	301.17'	19.8	5.3	8	2'-0" x 2'-4"	(8) #6	HP-5	3/S3.3
BA-B7	B	46	301.17'	19.8	5.3	8	2'-2" x 2'-4"	(8) #6	HP-5	3/S3.3
BA-B8	B	46	301.17'	19.8	5.3	8	2'-2" x 2'-4"	(8) #6	HP-5	3/S3.3
BA-B9	B	60	301.17'	23.7	9.1	9.6	3'-8" x 2'-4"	(10) #7	HP-5	3/S3.3 & 4/S3.3
BA-B10	B	60	301.17'	23.7	9.1	9.6	4'-0" x 2'-4"	(10) #7	HP-5	3/S3.3 & 4/S3.3
BA-B11	B	60	301.17'	8.1	2.5	4.4	SEE 11A/S3.3		HP-6	3/S3.3
BB-B1	G	40	301.17'	12	6.6	4.0	2'-0" x 2'-0"	(8) #6	HP-3	2/S3.3
BB-B11	F	6080	301.17'	12	6.6	0	2'-4" x 2'-0"	(8) #6	———	6/S3.3
BD-B2	F	60	301.17'	30.2	5.3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-B3	F	60	301.17'	30.2	5.3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-B5	F	56	301.17'	30.2	5.3	0	2'-2" x 2'-0"	(8) #6	———	6/S3.3
BD-B6	F	56	301.17'	30.2	5.3	0	2'-4" x 2'-0"	(8) #6	———	6/S3.3
BD-B7	F	56	301.17'	30.2	5.3	0	2'-4" x 2'-0"	(8) #6	———	6/S3.3
BD-B8	F	60	301.17'	30.2	5.3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-B9	F	60	301.17'	30.2	5.3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-10	F	56	301.17'	36.3	6.4	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-B11	F	66	301.17'	12	6.6	0	4'-0" x 2'-0"	(12) #6	———	6/S3.3
BE-B1	G	40	301.17'	12	6.6	4.0	2'-0" x 2'-0"	(8) #6	HP-3	2/S3.3
BF-B1	B	56	301.17'	8.1	5.5	4.4	3'-8" x 2'-4"	(10) #7	HP1	3/S3.3 & 5/S3.3
BF-B2	B	60	301.17'	19.8	8.3	8	3'-8" x 2'-4"	(10) #7	HP-5	3/S3.3 & 4/S3.3
BF-B3	B	46	301.17'	19.8	5.3	8	2'-2" x 2'-4"	(8) #6	HP-5	3/S3.3
BF-B5	B	46	301.17'	19.8	5.3	8	2'-2" x 2'-6"	(8) #7	HP-5	7/S3.3
BF-B6	B	66	301.17'	19.8	5.3	8	SEE 10/S3.3		———	7/S3.3
BF-B7	B	66	301.17'	19.8	5.3	8	2'-4" x 2'-4"	(8) #7	HP-5	3/S3.3
BF-B8	B	46	301.17'	19.8	5.3	8	2'-2" x 2'-4"	(8) #6	HP-5	3/S3.3
BF-B9	B	60	301.17'	23.7	9.1	9.6	3'-8" x 2'-4"	(10) #7	HP-5	3/S3.3 & 4/S3.3
BF-B10	B	60	301.17'	23.7	9.1	9.6	3'-8" x 2'-4"	(10) #7	HP-5	3/S3.3 & 4/S3.3
BF-B11	B	60	301.17'	8.1	2.5	4.4	SEE 11/S3.3		HP-6	3/S3.3
BH-B4	B	50	301.17'	15	5	8	3'-4" x 1'-10"	(12) #7 *	HP-7	3/S3.3
BH-A6	B	SEE BF - B6		15	5	8	SEE 10/S3.3		HP-7	7/S3.3
BH-A7	D	SEE BF - B7		14	1	2	1'-10" x 2'-0"	(8) #5	———	16/S3.2
BJ-B4	B	50	301.17'	21	5	10	3'-4" x 2'-0"	(12) #7 *	HP-4	3/S3.3
BJ-A6	B	50	301.17'	21	5	10	3'-4" x 2'-0"	(12) #7 *	HP-4	7/S3.3
BJ-A7	D	50	301.17'	23	1	3	1'-10" x 2'-0"	(8) #5	———	16/S3.2
BK-B4	B	SEE AA - A5		11	3	6	2'-4" x 2'-0"	(8) #6	HP-7	3/S3.3 & 17/S3.2
BK-A6	B	SEE AA - A6		11	3	6	SEE AA - A6		HP-7	7/S3.3
BK-A7	D	SEE AA - A7		12	1	2	SEE AA - A7		———	16/S3.2

COLUMN SCHEDULE NOTES:
① FOR COLUMN DESCRIPTION OR SIZE, SEE SCHEDULE ON SHEET S1.2
② SEE SHEET S1.2 FOR FOOTING SCHEDULE AND REINFORCING.
③ SEE MAXIMUM ALLOWABLE REACTION NOTE ON SHEET S1.2
④ SEE A/S1.2 FOR PEDESTAL DIMENSIONS & ORIENTATION.
⑤ SEE B/S1.2 FOR PEDESTAL TIE SIZE, SPACING AND CONFIGURATION.
⑥ SEE SHEET S1.2 FOR HAIRPIN SCHEDULE

* INDICATES PEDESTAL TIES TO BE #4 @ 4" O.C. SEE B/S1.2 FOR CONFIGURATION.

AREA C COLUMN SCHEDULE

GRID	① COLUMN MARK	② FOOTING MARK	TOP OF FOOTING ELEV.	③ MAX. COL. REACTION (KIPS) Pd	Pu	H	④ PEDESTAL SIZE 'A' x 'B'	⑤ PEDESTAL REINFORCING	⑥ HAIRPIN MARK	REFERENCE DETAIL
CA-C2	L	46	300.50'	8	2	0	2'-0" x 2'-0"	(8) #6	———	5/S3.4
CA-C3	L	46	300.50'	10	3	0	2'-0" x 2'-0"	(8) #6	———	5/S3.4
CA-C4	L	46	300.50'	10	3	0	2'-0" x 2'-0"	(8) #6	———	5/S3.4
CA-C5	L	46	300.50'	8	2	0	2'-0" x 2'-0"	(8) #6	———	5/S3.4
CB-C1	C	50	301.17'	11	5	5	1'-10" x 2'-8"	(8) #6	HP-9	3/S3.3
CB-C2	C	50	301.17'	22	8	9	2'-4" x 2'-8"	(8) #7 *	HP-2	3/S3.3
CB-C3	C	60	301.17'	22	8	9	3'-8" x 2'-8"	(10) #7 *	HP-2	3/S3.3 & 4/S3.3
CB-C4	C	60	301.17'	22	8	9	3'-8" x 2'-8"	(10) #7	HP-5	3/S3.3 & 4/S3.3
CB-C5	C	50	301.17'	22	8	9	2'-0" x 2'-8"	(8) #6	HP-5	3/S3.3
CB-C6	C	50	301.17'	11	5	5	1'-10" x 2'-8"	(8) #6	HP-9	3/S3.3
BA-C1	J	SEE BA - B11		0	0	2	SEE 11A/S3.3		———	11A/S3.3
BA-C6	J	SEE BA - D1		0	0	2	SEE 13/S3.3		———	13/S3.3
BB-C3	K	56	301.17'	41	3	0	2'-2" x 2'-0"	(8) #6	———	2/S3.4
BB-C4	F	56	301.17'	41	3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BB-C5	F	56	301.17'	33	5	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BC-C1	F	SEE BB - B11		20	8	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BC-C6	F	SEE BC - D1		33	8	0	SEE BC - D1		———	6/S3.3
BD-C1	F	SEE BD - B11		20	8	0	SEE BD - B11		———	6/S3.3
BD-C2	F	66	301.17'	33	5	0	2'-8" x 2'-0"	(8) #7	———	6/S3.3
BD-C6	F	SEE BD - D1		33	8	0	SEE BD - D1		———	6/S3.3
BF-C1	J	SEE BF - B11		0	0	2	SEE 11/S3.3		———	11/S3.3
BF-C5	J	SEE 9/S3.3		0	0	2	1'-10" x 1'-6"	(8) #5	———	9/S3.3
BF-C6	J	SEE BF - D1		0	0	2	SEE 12/S3.3		———	12/S3.3
CC-C1	C	50	301.17'	11	5	5	1'-10" x 2'-6"	(8) #7 *	HP-9	3/S3.3
CC-C2	C	50	301.17'	22	8	8	2'-4" x 2'-6"	(8) #7	HP-5	3/S3.3
CC-C3	C	60	301.17'	22	8	8	3'-8" x 2'-6"	(10) #7	HP-5	3/S3.3 & 4/S3.3
CC-C4	C	60	301.17'	22	8	8	3'-8" x 2'-6"	(10) #7	HP-5	3/S3.3 & 4/S3.3
CC-C5	C	50	301.17'	22	8	8	2'-0" x 2'-6"	(8) #7 *	HP-2	3/S3.3
CC-C6	C	56	301.17'	11	5	5	1'-8" x 3'-0"	(10) #6	-	8/S3.3

COLUMN SCHEDULE NOTES:
① FOR COLUMN DESCRIPTION OR SIZE, SEE SCHEDULE ON SHEET S1.2
② SEE SHEET S1.2 FOR FOOTING SCHEDULE AND REINFORCING.
③ SEE MAXIMUM ALLOWABLE REACTION NOTE ON SHEET S1.2
④ SEE A/S1.2 FOR PEDESTAL DIMENSIONS & ORIENTATION.
⑤ SEE B/S1.2 FOR PEDESTAL TIE SIZE, SPACING AND CONFIGURATION.
⑥ SEE SHEET S1.2 FOR HAIRPIN SCHEDULE

* INDICATES PEDESTAL TIES TO BE #4 @ 4" O.C. SEE B/S1.2 FOR CONFIGURATION.

AREA D COLUMN SCHEDULE

GRID	① COLUMN MARK	② FOOTING MARK	TOP OF FOOTING ELEV.	③ MAX. COL. REACTION (KIPS) Pd	Pu	H	④ PEDESTAL SIZE 'A' x 'B'	⑤ PEDESTAL REINFORCING	⑥ HAIRPIN MARK	REFERENCE DETAIL
BA-D1	B	66	301.17'	8.1	5.5	4.4	SEE 13/S3.3		HP-7	3/S3.3 & 4/S3.3
BA-D2	B	60	301.17'	19.8	8.3	8	3'-8" x 2'-4"	(10) #7	HP-4	3/S3.3 & 4/S3.3
BA-D3	B	50	301.17'	19.8	5.3	8	2'-0" x 2'-4"	(8) #6	HP-4	3/S3.3
BA-D4	B	46	301.17'	19.8	5.3	8	2'-2" x 2'-4"	(8) #6	HP-5	3/S3.3
BA-D5	B	60	301.17'	22.6	9.1	9	3'-8" x 2'-4"	(10) #7	HP-5	3/S3.3 & 4/S3.3
BA-D6	B	60	301.17'	24	9.1	9	3'-8" x 2'-4"	(10) #7	HP-5	3/S3.3 & 4/S3.3
BA-D7	B	46	301.17'	25	5.3	8	2'-0" x 2'-4"	(8) #6	HP-5	3/S3.3
BA-D9	B	46	301.17'	25	5.3	8	2'-2" x 2'-4"	(8) #6	HP-4	3/S3.3
BA-D11	B	60	301.17'	23.7	12	10	2'-0" x 3'-4"	(12) #7 *	HP-2	3/S3.3
BB-D11	G	50	301.17'	34	13	4.0	2'-0" x 2'-0"	(8) #6	HP-3	2/S3.3
BC-D1	F	66	301.17'	12	6.6	0	4'-0" x 2'-0"	(12) #6	———	6/S3.3
BD-D1	F	66	301.17'	12	6.6	0	4'-0" x 2'-0"	(12) #6	———	6/S3.3
BD-D2	F	56	301.17'	30.2	5.3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-D3	F	56	301.17'	30.2	5.3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-D4	F	56	301.17'	30.2	5.3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-D5	F	56	301.17'	36.3	6.4	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-D6	F	56	301.17'	36.3	6.4	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-D7	F	60	301.17'	37	7	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BD-D9	F	60	301.17'	37	7	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
BE-D11	G	50	301.17'	34	13	4.0	2'-0" x 2'-0"	(8) #6	HP-3	2/S3.3
BF-D1	B	66	301.17'	12	6.6	4.0	SEE 12/S3.3		HP-7	3/S3.3 & 4/S3.3
BF-D2	B	60	301.17'	19.8	8.3	8	3'-8" x 2'-4"	(10) #7	HP-5	3/S3.3 & 4/S3.3
BF-D3	B	50	301.17'	19.8	5.3	8	2'-0" x 2'-4"	(8) #6	HP-4	3/S3.3
BF-D4	B	46	301.17'	19.8	5.3	8	2'-0" x 2'-4"	(8) #6	HP-5	3/S3.3
BF-D5	B	60	301.17'	23.7	9.1	8	3'-8" x 2'-4"	(10) #7	HP-5	3/S3.3 & 4/S3.3
BF-D6	B	60	301.17'	24	9.1	8	3'-8" x 2'-6"	(10) #7	HP-5	7/S3.3 & 4/S3.3
BF-D7	B	56	301.17'	31	9.1	8	2'-0" x 2'-6"	(8) #7	HP-5	7/S3.3
BF-D9	B	56	301.17'	31	9.1	8	2'-4" x 3'-4"	(10) #7	HP-5	7/S3.3
BF-D11	B	60	301.17'	24	9.1	10	2'-0" x 3'-4"	(12) #7 *	HP-2	7/S3.3
DA-D6	B	46	301.17'	19.8	5.3	8	2'-4" x 2'-0"	(8) #6	HP-5	3/S3.3
DA-D8	F	56	301.17'	30.2	5.3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
DA-D12	B	46	301.17'	19.8	5.3	8	2'-4" x 2'-0"	(8) #6	HP-5	3/S3.3
DB-D6	B	46	301.17'	19.8	5.3	8	2'-4" x 2'-0"	(8) #6	HP-5	3/S3.3
DB-D8	F	56	301.17'	30.2	5.3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
DB-D12	B	46	301.17'	19.8	5.3	8	2'-4" x 2'-0"	(8) #6	HP-5	3/S3.3
DC-D6	B	60	301.17'	19.8	5.3	8	2'-4" x 3'-8"	(10) #7	HP-5	3/S3.3 & 4/S3.3
DC-D8	F	60	301.17'	30.2	5.3	0	2'-0" x 2'-0"	(8) #6	———	6/S3.3
DC-D12	B	60	301.17'	19.3	5.3	8	2'-4" x 3'-8"	(10) #7	HP-5	3/S3.3 & 4/S3.3
DD-D6	B	56	301.17'	8.1	5.5	4.4	2'-4" x 3'-8"	(10) #7	HP-1	3/S3.3 & 5/S3.3
DD-D7	G	40	301.17'	12	6.6	4.0	2'-0" x 2'-0"	(8) #6	HP-3	2/S3.3
DD-D10	G	40	301.17'	12	6.6	4.0	2'-0" x 2'-0"	(8) #6	HP-3	2/S3.3
DD-D12	B	56	301.17'	8.1	5.5	4.4	2'-4" x 3'-8"	(10) #7	HP-1	3/S3.3 & 5/S3.3

COLUMN SCHEDULE NOTES:
① FOR COLUMN DESCRIPTION OR SIZE, SEE SCHEDULE ON SHEET S1.2
② SEE SHEET S1.2 FOR FOOTING SCHEDULE AND REINFORCING.
③ SEE MAXIMUM ALLOWABLE REACTION NOTE ON SHEET S1.2
④ SEE A/S1.2 FOR PEDESTAL DIMENSIONS & ORIENTATION.
⑤ SEE B/S1.2 FOR PEDESTAL TIE SIZE, SPACING AND CONFIGURATION.
⑥ SEE SHEET S1.2 FOR HAIRPIN SCHEDULE

* INDICATES PEDESTAL TIES TO BE #4 @ 4" O.C. SEE B/S1.2 FOR CONFIGURATION.

MBM COLUMN SCHEDULE

MARK	COLUMN DESCRIPTION
A	* TAPERED LEG FRAME COLUMN BY MBM
B	TAPERED FRAME COLUMN BY MBM - SEE D/S1.2 FOR MAX. DIMENSIONS
C	STRAIGHT LEG FRAME COLUMN BY MBM (MAX. DEPTH = 20")
D	STRAIGHT LEG FRAME COLUMN BY MBM (MAX. DEPTH = 10")
E	TUBE OR WIDE FLANGE COLUMN BY MBM (MAX. DEPTH = 6")
F	INTERIOR BEARING COL BY MBM (MAX. DEPTH = 8")
G	ENDWALL BEARING COLUMN BY MBM (MAX. DEPTH = 10")
H	ENDWALL BEARING COLUMN BY MBM (MAX. DEPTH = 12")
J	NON-LOAD BEARING WIND COLUMN BY MBM (MAX. DEPTH = 10")
K	INTERIOR TUBE BRG COL. BY MBM (8" SQ)
L	STRAIGHT LEG COL. BY MBM (MAX. DEPTH = 10", MAX. WIDTH = 6")
M	INTERIOR COL BY MBM FOR INTERMEDIATE FRAMING (10" MAX DEPTH)
N	TAPERED FRAME COLUMN BY MBM - SEE E/S1.2 FOR MAX. DIMENSIONS

* SEE ARCH. DRAWINGS FOR MAXIMUM DEPTH RESTRICTIONS.
COLUMNS SHALL NOT ENCROACH ON FINISHED SPACES.
SEE C/S1.2 FOR ANCHOR BOLTS AT METAL BUILDING COLUMNS

FOOTING SCHEDULE

MARK	FOOTING SIZE	FOOTING REINFORCING
40	4'-0" SQUARE x 12" THICK	(3) #6 EACH WAY
46	4'-6" SQUARE x 12" THICK	(4) #6 EACH WAY
50	5'-0" SQUARE x 12" THICK	(6) #6 EACH WAY
56	5'-6" SQUARE x 12" THICK	(5) #7 EACH WAY
60	6'-0" SQUARE x 12" THICK	(6) #6 EACH WAY
66	6'-6" SQUARE x 12" THICK	(7) #6 EACH WAY
6080	6'-0" WIDE x 8'-0" LG x 12" THICK	(7) #7 LG, 9 #6 SHORT
76	7'-6" SQUARE x 18" THICK	(7) #7 EACH WAY, TOP & BOTTOM

MAXIMUM ALLOWABLE REACTION NOTE:

IF METAL BUILDING MANUFACTURER'S REACTIONS EXCEED THOSE SHOWN ON SCHEDULE ON S1.2, FOUNDATIONS, HAIRPINS, AND TIE BEAMS MAY HAVE TO BE INCREASED AT THE CONTRACTOR'S EXPENSE.

GENERAL REVISIONS 1

LEWIS ELLIOTT • MCMORRAN • VADEN
ARCHITECTS RAGSDALE • WOODWARD • INCORPORATED
ENGINEERS 501 223 9302 • WWW.LEMVRW.COM

STRUCTURAL SCHEDULES

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

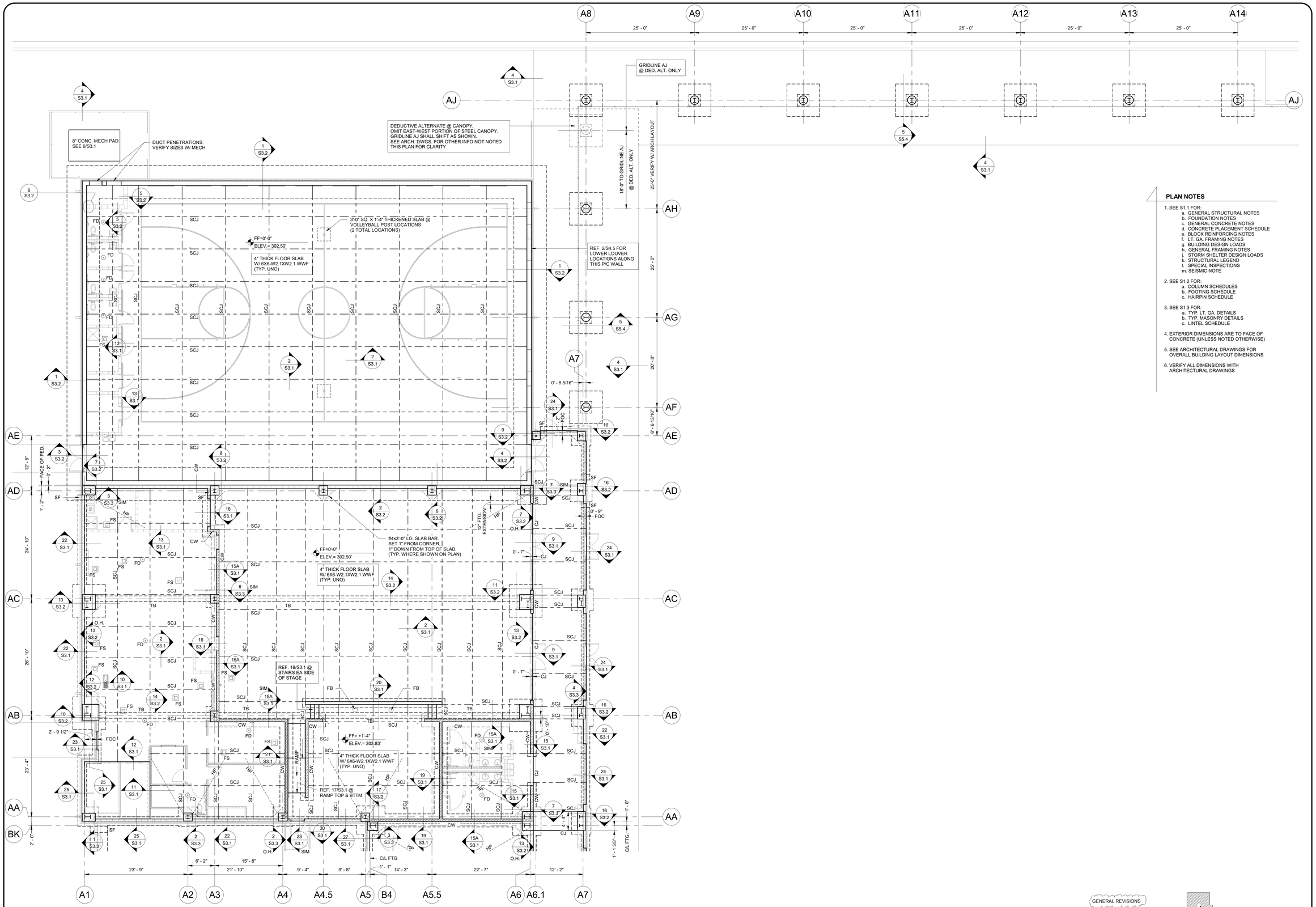
GREESON, GATLIN, GANGLUFF & ASSOC. ENGINEERING P.A. No. 133 ARKANSAS ENGINEER
CERTIFICATE OF AUTHORIZATION
STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 11242 ANDY L. GANGLUFF
05-18-2026

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: GG/GAE
REV: 1 2026 06-01

S1.2

GREESON GATLIN GANGLUFF & ASSOCIATES ENGINEERS PA
Phone: 501.224.7070

226013



NORTH

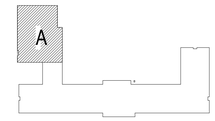
1 S2.1 FOUNDATION PLAN - AREA A

1/8" = 1'-0"

PLAN NOTES

1. SEE S1.1 FOR:
   a. GENERAL STRUCTURAL NOTES
   b. FOUNDATION NOTES
   c. GENERAL CONCRETE NOTES
   d. CONCRETE PLACEMENT SCHEDULE
   e. BLOCK REINFORCING NOTES
   f. LT. GA. FRAMING NOTES
   g. BUILDING DESIGN LOADS
   h. GENERAL FRAMING NOTES
   j. STORM SHELTER DESIGN LOADS
   k. STRUCTURAL LEGEND
   l. SPECIAL INSPECTIONS
   m. SEISMIC NOTE
2. SEE S1.2 FOR:
   a. COLUMN SCHEDULES
   b. FOOTING SCHEDULE
   c. HAIRPIN SCHEDULE
3. SEE S1.3 FOR:
   a. TYP. LT. GA. DETAILS
   b. TYP. MASONRY DETAILS
   c. LINTEL SCHEDULE
4. EXTERIOR DIMENSIONS ARE TO FACE OF CONCRETE (UNLESS NOTED OTHERWISE)
5. SEE ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING LAYOUT DIMENSIONS
6. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS

GENERAL REVISIONS



NORTH

KEY PLAN

GREESON GATLIN GANGLUFF & ASSOCIATES
ENGINEERS PA
Phone: 501.224.7070
228013

DATUM NOTE
FIN. FLR. = 0'-0"
ELEV. = 302.50'

LEWIS ARCHITECTS ENGINEERS
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RAGSDALE • WOODWARD • INCORPORATED
501 223 9302 • WWW.LEMVRW.COM

FOUNDATION PLAN
AREA A

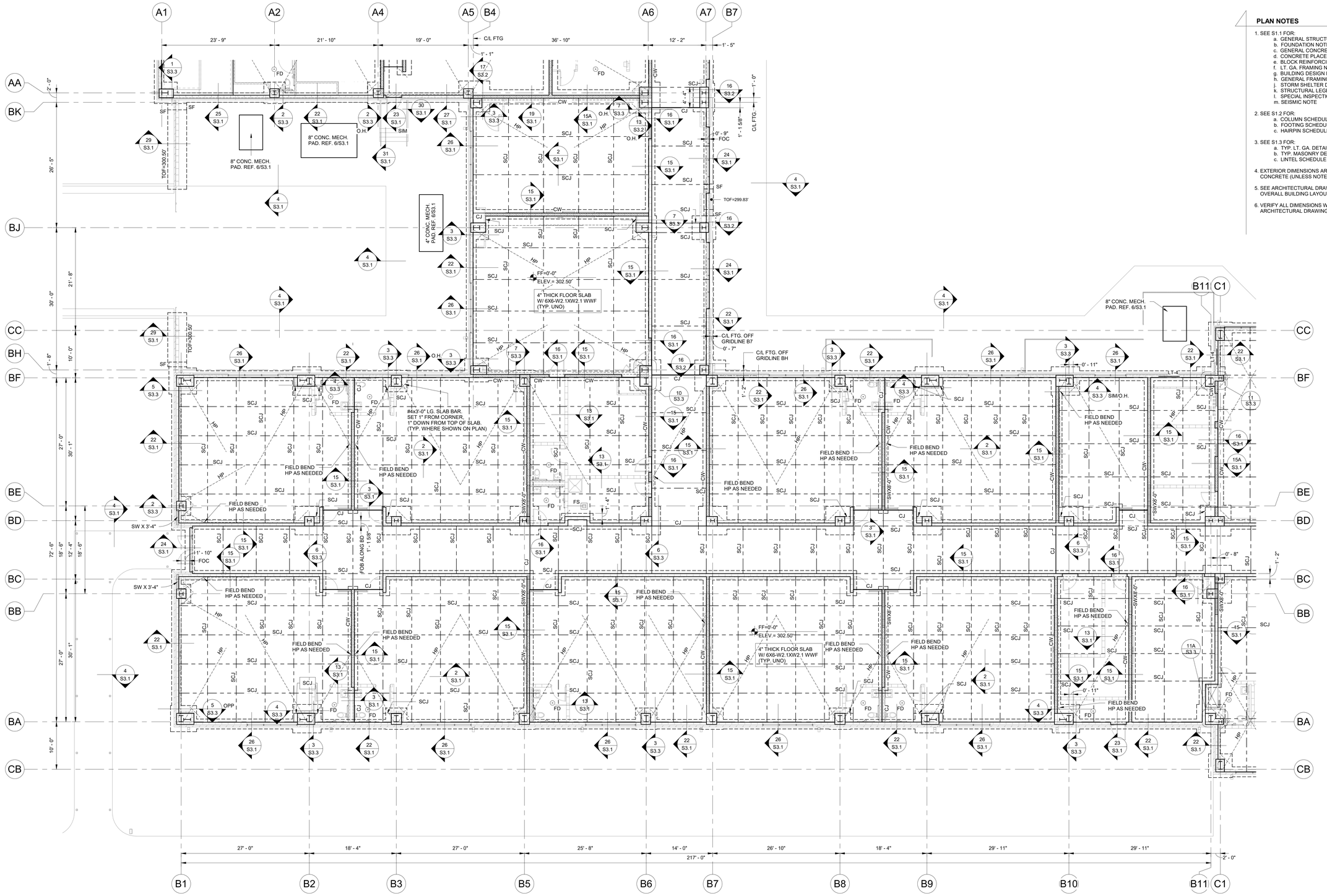
EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

CERTIFICATE OF AUTHORIZATION
GREESON, GATLIN GANGLUFF & ASSOC. ENGINEERING P.A.
No. 133
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11242
JOHN C. GANGLUFF
05-18-2026

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: GGGAE
REV: 1 2026 06-01

S2.1



PLAN NOTES

1. SEE S1.1 FOR:
   a. GENERAL STRUCTURAL NOTES
   b. FOUNDATION NOTES
   c. GENERAL CONCRETE NOTES
   d. CONCRETE PLACEMENT SCHEDULE
   e. BLOCK REINFORCING NOTES
   f. LT. GA. FRAMING NOTES
   g. BUILDING DESIGN LOADS
   h. GENERAL FRAMING NOTES
   j. STORM SHELTER DESIGN LOADS
   k. STRUCTURAL LEGEND
   l. SPECIAL INSPECTIONS
   m. SEISMIC NOTE
2. SEE S1.2 FOR:
   a. COLUMN SCHEDULES
   b. FOOTING SCHEDULE
   c. HAIRPIN SCHEDULE
3. SEE S1.3 FOR:
   a. TYP. LT. GA. DETAILS
   b. TYP. MASONRY DETAILS
   c. LINTEL SCHEDULE
4. EXTERIOR DIMENSIONS ARE TO FACE OF CONCRETE (UNLESS NOTED OTHERWISE)
5. SEE ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING LAYOUT DIMENSIONS
6. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS

NORTH

1 S2.2 FOUNDATION PLAN - AREA B

1/8" = 1'-0"

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RAGSDALE • WOODWARD • INCORPORATED
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FOUNDATION PLAN
AREA B

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

CERTIFICATE OF AUTHORIZATION
GREESON, GATLIN, GANGLUFF & ASSOC. ENGINEERING P.A.
No. 133
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 11242
JERRY L. GANGLUFF
05-18-2026

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: GGGAE
REV: 1 2026 06-01

S2.2

GREESON GATLIN GANGLUFF & ASSOCIATES ENGINEERS PA
Phone: 501.224.7070
226013

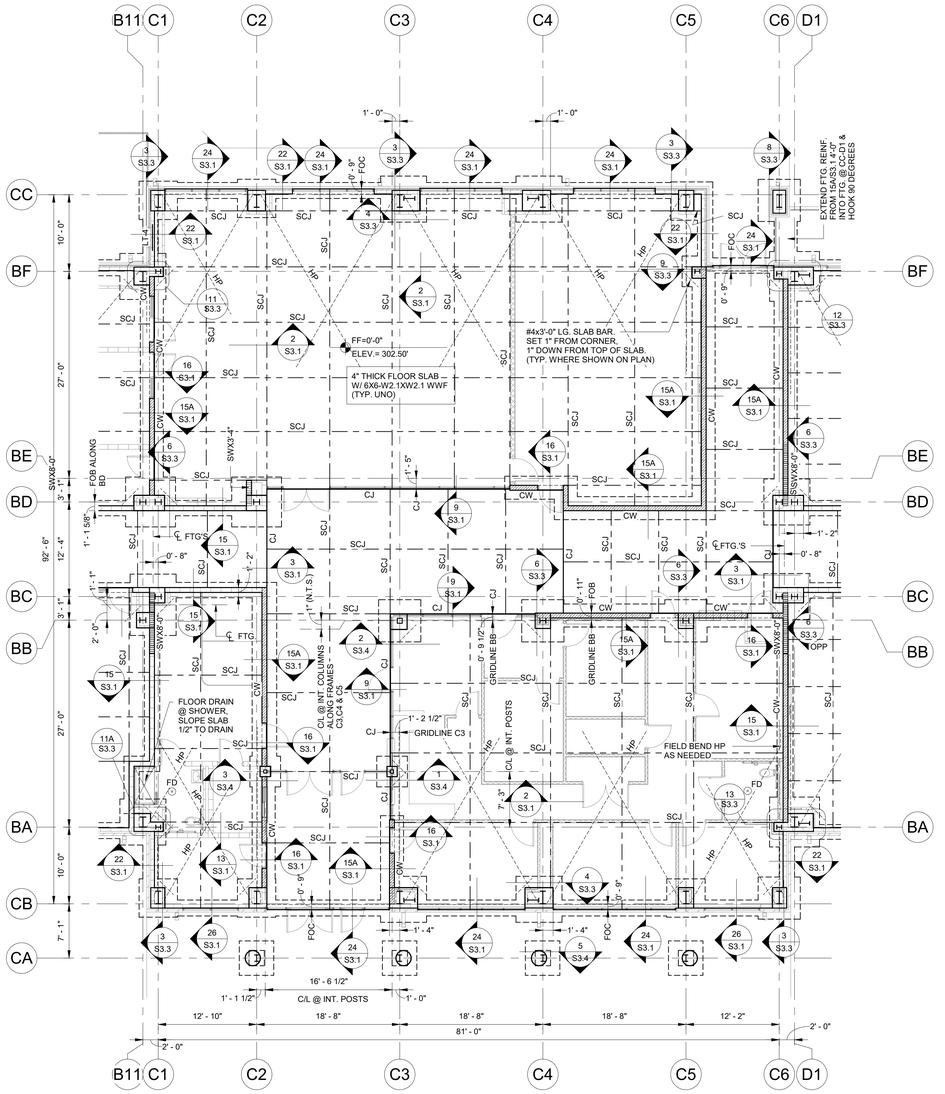
GENERAL REVISIONS

DATUM NOTE
FIN. FLR. = 0'-0"
ELEV. = 302.50'

B

NORTH

KEY PLAN



NORTH

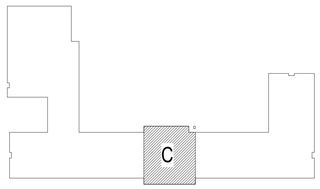
S2.3 FOUNDATION PLAN - AREA C

1/8" = 1'-0"

PLAN NOTES

1. SEE S1.1 FOR:
   a. GENERAL STRUCTURAL NOTES
   b. FOUNDATION NOTES
   c. GENERAL CONCRETE NOTES
   d. CONCRETE PLACEMENT SCHEDULE
   e. BLOCK REINFORCING NOTES
   f. LT. GA. FRAMING NOTES
   g. BUILDING DESIGN LOADS
   h. GENERAL FRAMING NOTES
   j. STORM SHELTER DESIGN LOADS
   k. STRUCTURAL LEGEND
   l. SPECIAL INSPECTIONS
   m. SEISMIC NOTE
2. SEE S1.2 FOR:
   a. COLUMN SCHEDULES
   b. FOOTING SCHEDULE
   c. HAIRPIN SCHEDULE
3. SEE S1.3 FOR:
   a. TYP. LT. GA. DETAILS
   b. TYP. MASONRY DETAILS
   c. LINTEL SCHEDULE
4. EXTERIOR DIMENSIONS ARE TO FACE OF CONCRETE (UNLESS NOTED OTHERWISE)
5. SEE ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING LAYOUT DIMENSIONS
6. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS

GENERAL REVISIONS



NORTH

KEY PLAN

GREESON GATLIN GANGLUFF & ASSOCIATES ENGINEERS PA
Phone: 501.224.7070

226013

DATUM NOTE
FIN. FLR. = 0'-0"
ELEV. = 302.50'

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RAGSDALE • WOODWARD • INCORPORATED
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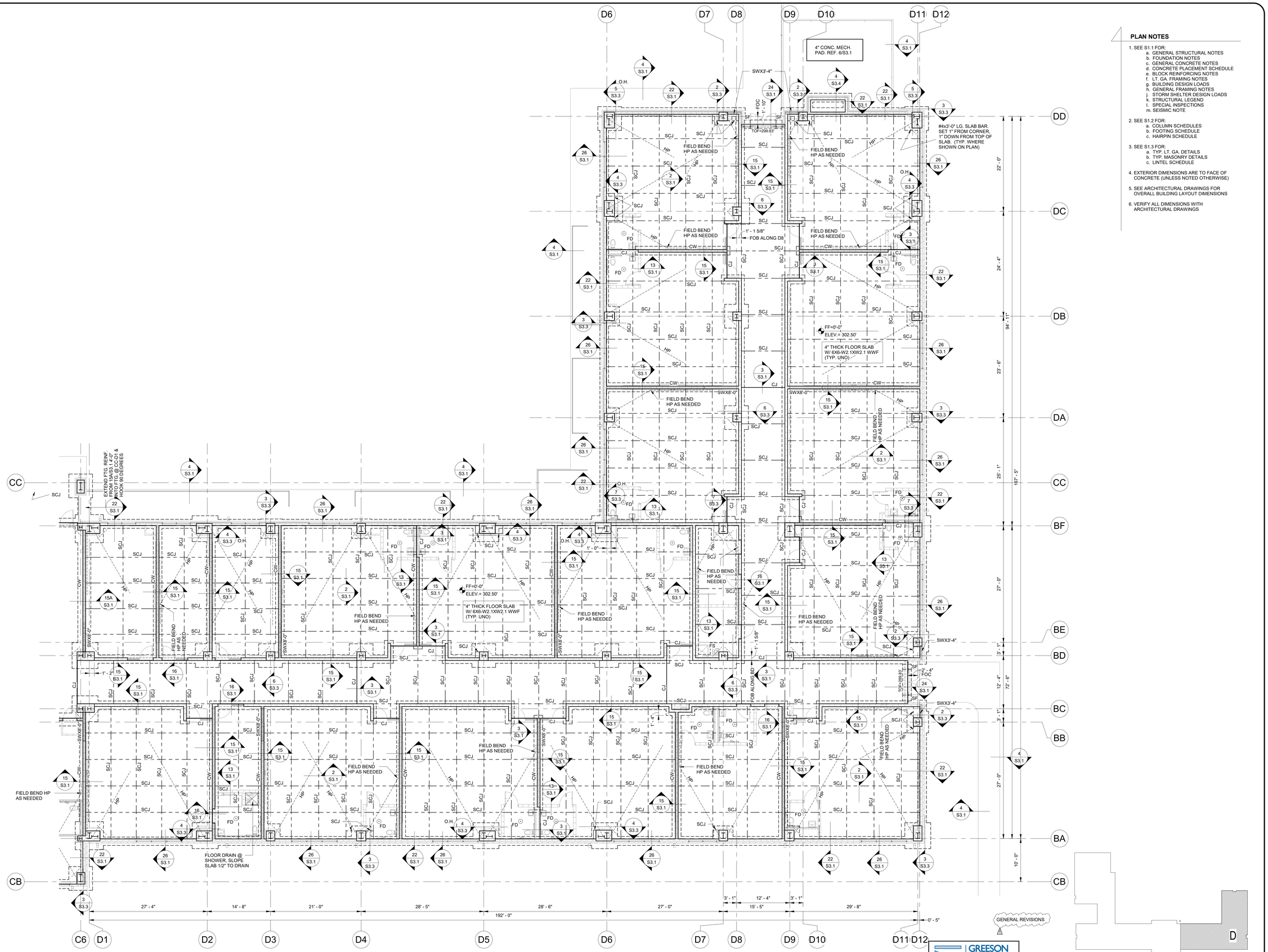
FOUNDATION PLAN
AREA C

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

CERTIFICATE OF AUTHORIZATION
GREESON, GATLIN, GANGLUFF & ASSOC. ENGINEERING P.A.
No. 133
ARKANSAS ENGINEER
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11242
ANDREW L. GANGLUFF
05-18-2026

DATE:	2026 05-18
PROJECT NO:	25053
DRAWN BY:	GGGAE
REV:	1 2026 06-01

S2.3



PLAN NOTES

1. SEE S1.1 FOR:
   a. GENERAL STRUCTURAL NOTES
   b. FOUNDATION NOTES
   c. GENERAL CONCRETE NOTES
   d. CONCRETE PLACEMENT SCHEDULE
   e. BLOCK REINFORCING NOTES
   f. LT. GA. FRAMING NOTES
   g. BUILDING DESIGN LOADS
   h. GENERAL FRAMING NOTES
   j. STORM SHELTER DESIGN LOADS
   k. STRUCTURAL LEGEND
   l. SPECIAL INSPECTIONS
   m. SEISMIC NOTE
2. SEE S1.2 FOR:
   a. COLUMN SCHEDULES
   b. FOOTING SCHEDULE
   c. HAIRPIN SCHEDULE
3. SEE S1.3 FOR:
   a. TYP. LT. GA. DETAILS
   b. TYP. MASONRY DETAILS
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4. EXTERIOR DIMENSIONS ARE TO FACE OF CONCRETE (UNLESS NOTED OTHERWISE)
5. SEE ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING LAYOUT DIMENSIONS
6. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS

GENERAL REVISIONS

NORTH

1 S2.4 FOUNDATION PLAN - AREA D
1/8" = 1'-0"

GREESON GATLIN GANGLUFF & ASSOCIATES ENGINEERS PA
Phone: 501.224.7070
226013

DATUM NOTE
FIN. FLR. = 0'-0"
ELEV. = 302.50'

NORTH

KEY PLAN

D

LEWIS ARCHITECTS ENGINEERS
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RAGSDALE • WOODWARD • INCORPORATED
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FOUNDATION PLAN
AREA D

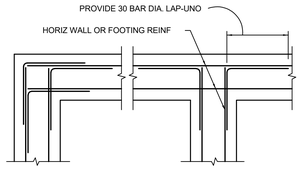
EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

CERTIFICATE OF AUTHORIZATION
GREESON, GATLIN, GANGLUFF & ASSOC. ENGINEERING P.A.
No. 133
ARKANSAS ENGINEERING FIRM

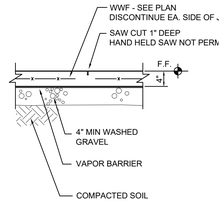
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11242
JEFFREY L. GANGLUFF
05-18-2026

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: GG/GAE
REV: 1 2026 06-01

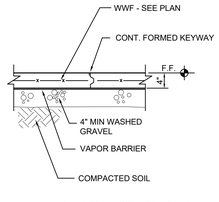
S2.4



1 S3.1 TYP. WALL OR FOUNDATION INTERSECTION
N.T.S.

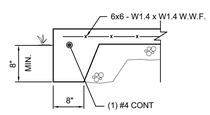


2 S3.1 TYP. SAWN CONTROL JOINT (SCJ)
3/4"=1'-0"

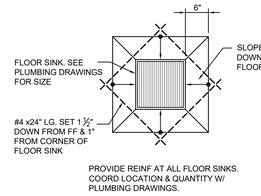


NOTE: PROVIDE CONTROL JOINT AT ENDS OF ALL POURS.

3 S3.1 TYP.CONSTRUCTION JOINT (CJ)
3/4"=1'-0"

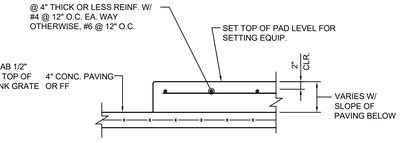


4 S3.1 TYP. EDGE OF CONC. PADS & SIDEWALKS
3/4"=1'-0"



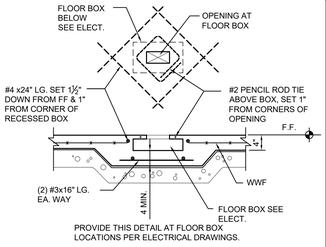
PROVIDE REINF AT ALL FLOOR SINKS. COORD LOCATION & QUANTITY W/ PLUMBING DRAWINGS.

5 S3.1 TYP. FLOOR SINK PLAN DETAIL
3/4"=1'-0"



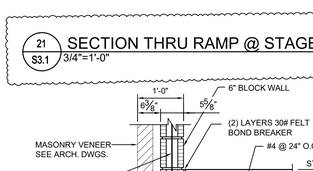
VERIFY SIZE OF PAD W/ MECH./ELECT. EQUIP.

6 S3.1 (TYP.) CONC. PAD @ EQUIPMENT
3/4"=1'-0"

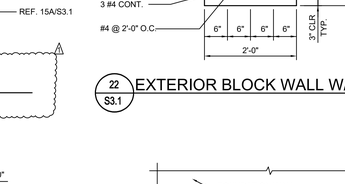


PROVIDE THIS DETAIL AT FLOOR BOX LOCATIONS PER ELECTRICAL DRAWINGS.

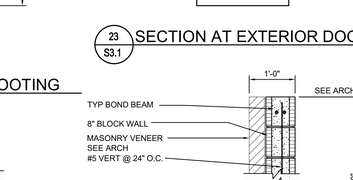
7 S3.1 FLOOR BOX REINF. DETAIL
3/4"=1'-0"



8 S3.1 REBAR @ PERP. SLAB JOINT (TYP.)
3/4"=1'-0"

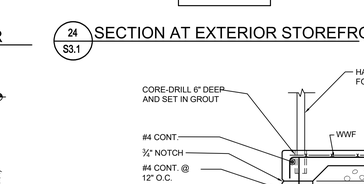


9 S3.1 CONTROL JOINT (CJ) @ STOREFRONT
3/4"=1'-0"

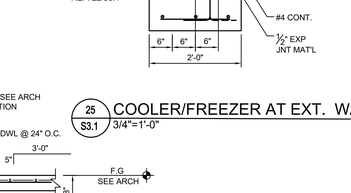


SEE ARCH FOR GRATING

10 S3.1 FLOOR DRAIN AT KITCHEN
3/4"=1'-0"

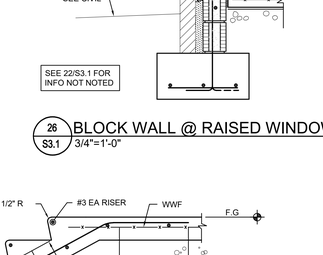


11 S3.1 SECTION @ COOLER/FREEZER
3/4"=1'-0"

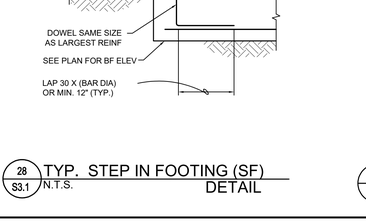


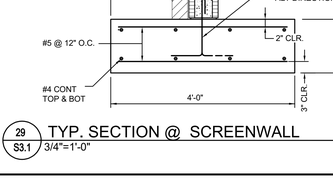
SEE 11/S3.1 FOR ITEMS NOT NOTED.

12 S3.1 SECTION @ COOLER/FREEZER DOOR
3/4"=1'-0"



13 S3.1 TYP. INTERIOR BLOCK WALL (UNO)
3/4"=1'-0"



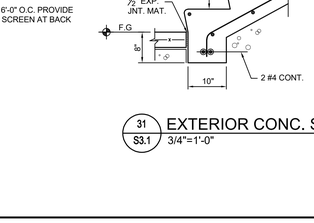


SEE 15/S3.1 FOR ITEMS NOT NOTED

17 S3.1 TYP. 4" CONC. SLAB ON GRADE RAMP
3/4"=1'-0"

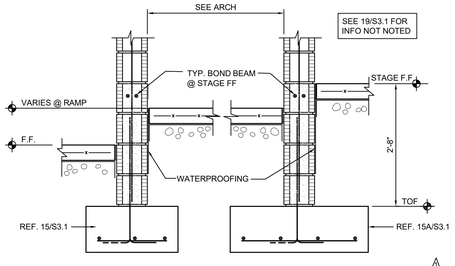
NOTE: SEE ARCH. DWGS. FOR RISERS & TREADS.

18 S3.1 STAIRS @ STAGE
3/4"=1'-0"

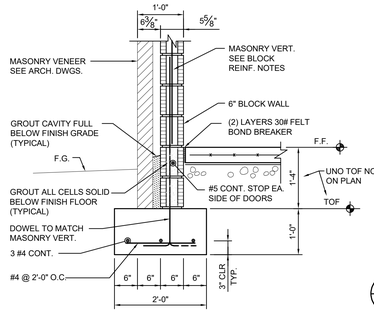


19 S3.1 BLOCK WALL @ STAGE (UNO)
3/4"=1'-0"

20 S3.1 BLOCK WALL @ FRONT OF STAGE
3/4"=1'-0"



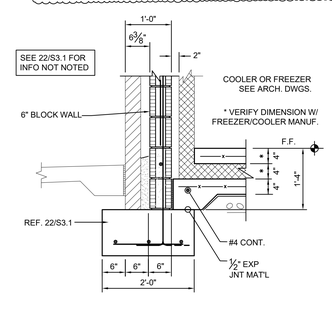
14 S3.1 DETAIL NOT USED
3/4"=1'-0"



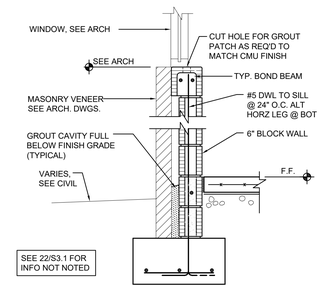
15A S3.1 INTERIOR BLOCK WALL FOOTING WHERE NOTED
3/4"=1'-0"

16 S3.1 DOOR AT INTERIOR WALL W/ FOOTING
3/4"=1'-0"

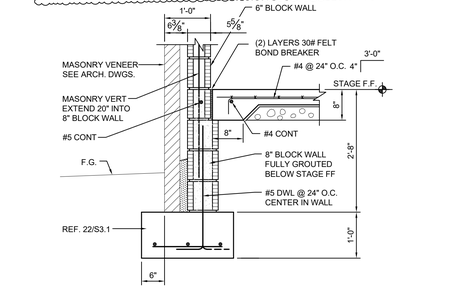
18 S3.1 STAIRS @ STAGE
3/4"=1'-0"



19 S3.1 BLOCK WALL @ STAGE (UNO)
3/4"=1'-0"



20 S3.1 BLOCK WALL @ FRONT OF STAGE
3/4"=1'-0"

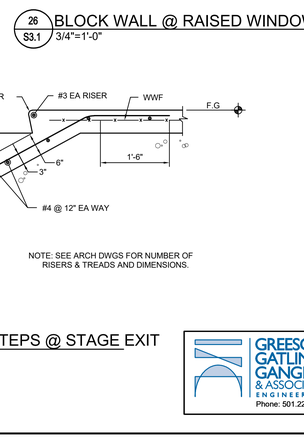


21 S3.1 SECTION THRU RAMP @ STAGE
3/4"=1'-0"

22 S3.1 EXTERIOR BLOCK WALL W/ FOOTING

29 S3.1 TYP. SECTION @ SCREENWALL
3/4"=1'-0"

30 S3.1 STEMWALL AT STAGE EXIT
3/4"=1'-0"



NOTE: SEE ARCH DWGS FOR NUMBER OF RISERS & TREADS AND DIMENSIONS.

31 S3.1 EXTERIOR CONC. STEPS @ STAGE EXIT
3/4"=1'-0"

25 S3.1 COOLER/FREEZER AT EXT. WALL
3/4"=1'-0"

26 S3.1 BLOCK WALL @ RAISED WINDOWS
3/4"=1'-0"

27 S3.1 SECTION @ STAGE ALONG EXT. WALL
3/4"=1'-0"

28 S3.1 TYP. STEP IN FOOTING (SF) DETAIL
N.T.S.

23 S3.1 SECTION AT EXTERIOR DOOR

24 S3.1 SECTION AT EXTERIOR STOREFRONT

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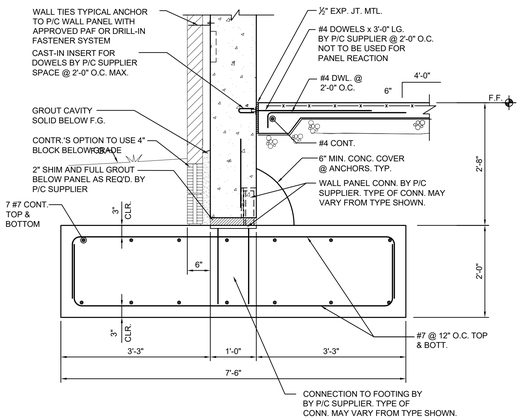
EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

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No. 133
ARKANSAS ENGINEER
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11242
ANDY L. GANGLUFF
05-18-2026

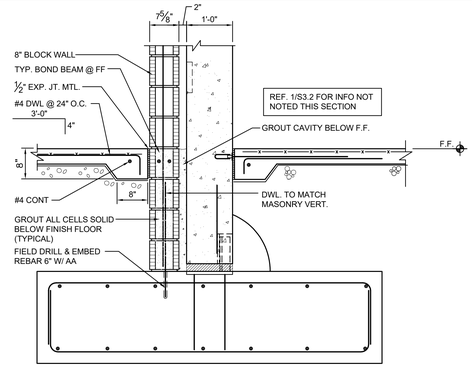
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PROJECT NO: 25053
DRAWN BY: GGGAE
REV: 2026 06-01

S3.1

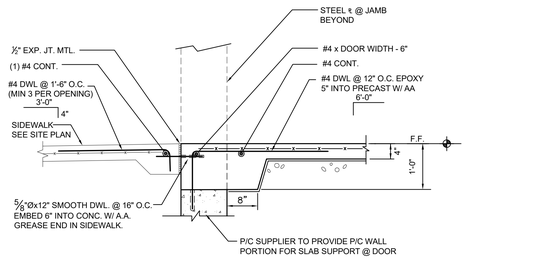
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1 S3.2 TYP. STORM SHELTER FTG. SECTION (UNO)
3/4"=1'-0"

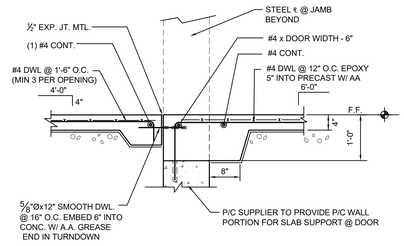


2 S3.2 STORM SHELTER FTG. ALONG CAFETERIA
3/4"=1'-0"



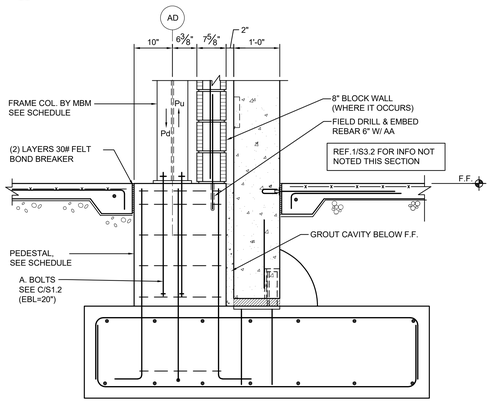
SEE 1/S3.2 FOR FOOTING BELOW

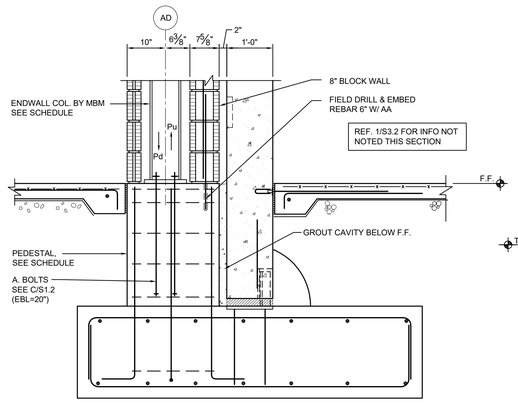
3 S3.2 FDN. SECTION @ STORM SHELTER EXT. DOOR
3/4"=1'-0"

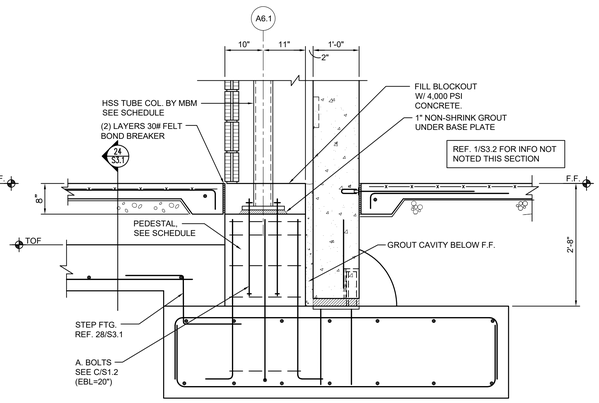


SEE 1/S3.2 FOR FOOTING BELOW

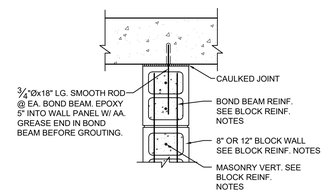
4 S3.2 FDN. SECTION @ STORM SHELTER INT. DOOR
3/4"=1'-0"



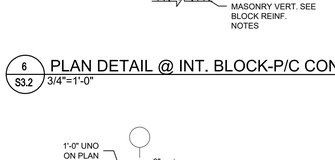




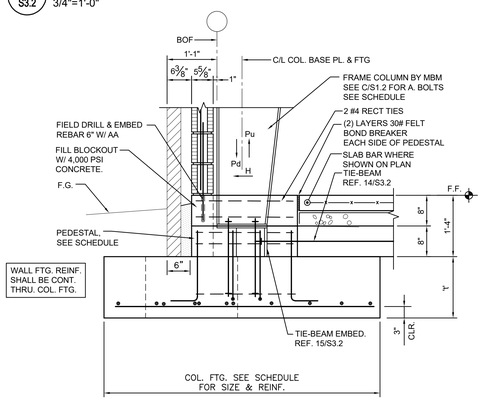
5 S3.2 SECTION @ 12" CHASE WALL
3/4"=1'-0"



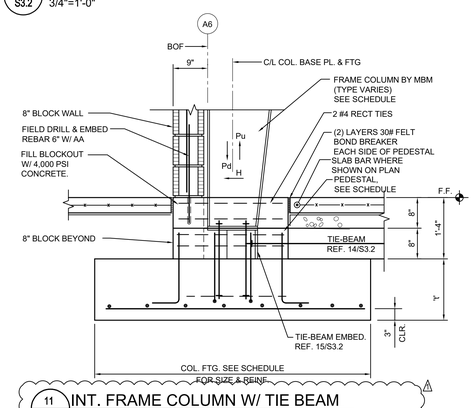
6 S3.2 PLAN DETAIL @ INT. BLOCK-P/C CONN'X
3/4"=1'-0"



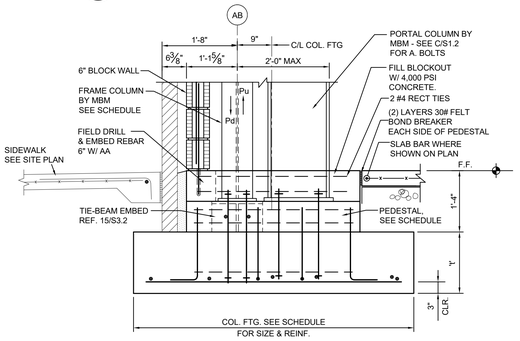
7 S3.2 FRAME COL. @ AD-A1 (OPP. @ AD-A6)
3/4"=1'-0"



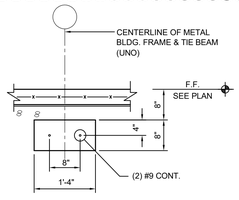
8 S3.2 ENDWALL COLUMNS AT GRID AD
3/4"=1'-0"



9 S3.2 HSS COLUMN BY MBM @ STORM SHELTER (AE-A6.1)
3/4"=1'-0"

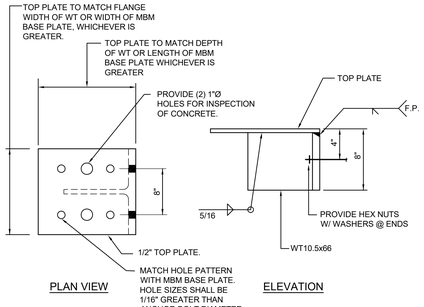


10 S3.2 FRAME COLUMN W/ TIE BEAM
3/4"=1'-0"

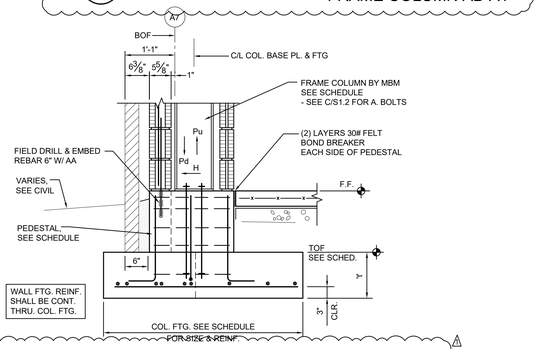


NOTE:
PROVIDE MECHANICAL CONNECTORS AT SPLICES.
AT RIGID FRAME COLUMNS PROVIDE THREADED END WITH HEX NUTS FOR TIE ROD CONNECTOR (SEE 15S3.2)

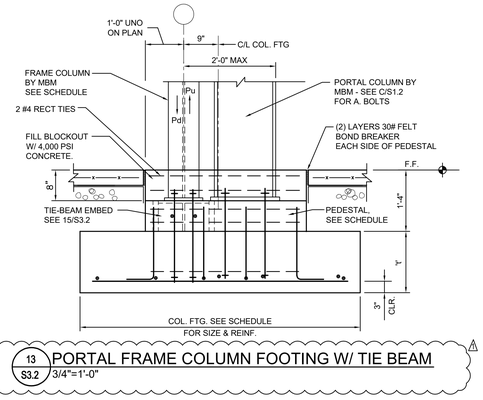
14 S3.2 SECTION @ TIE BEAM (TB)
3/4"=1'-0"



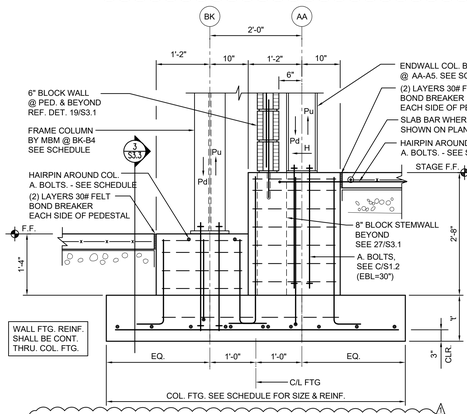
15 S3.2 TIE ROD CONNECTOR EMBED
3/4"=1'-0"



16 S3.2 TYP. FRAME COLUMN FDN. SECTION ALONG A7 (UNO)
3/4"=1'-0"



13 S3.2 PORTAL FRAME COLUMN FOOTING W/ TIE BEAM
3/4"=1'-0"



17 S3.2 SECTION @ STAGE ENDWALL COL. FTG.
3/4"=1'-0"

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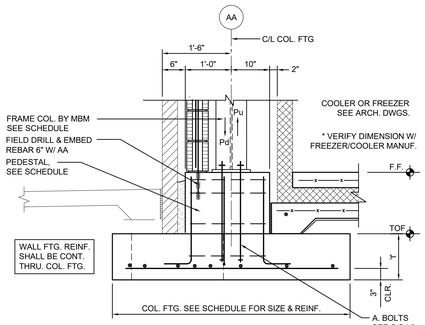
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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.11242
BRADLY L. GANGLUFF
05-18-2026

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: GG/GAE
REV: 1 2026 06-01

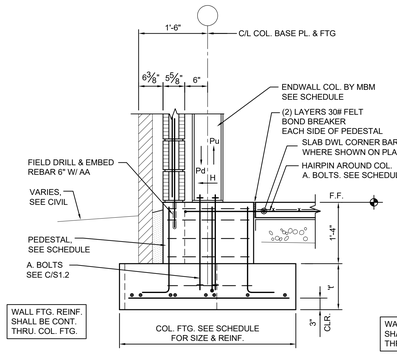
S3.2

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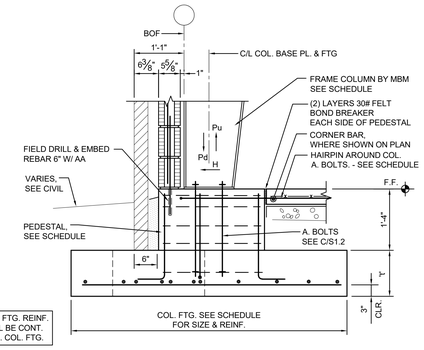
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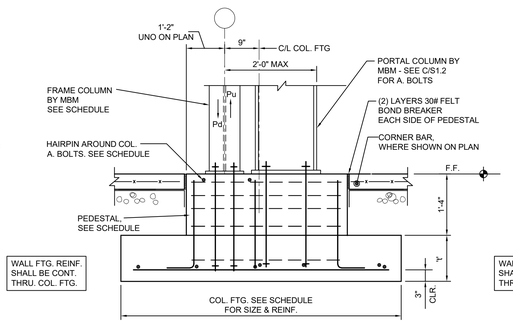
1 S3.3 COL. SECTION @ COOLER/FREEZER
3/4"=1'-0"



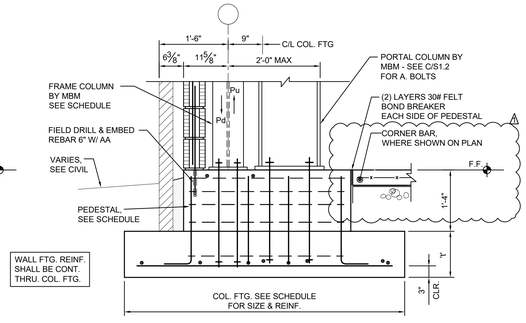
2 S3.3 TYPICAL ENDWALL COLUMN (UNO)
3/4"=1'-0"



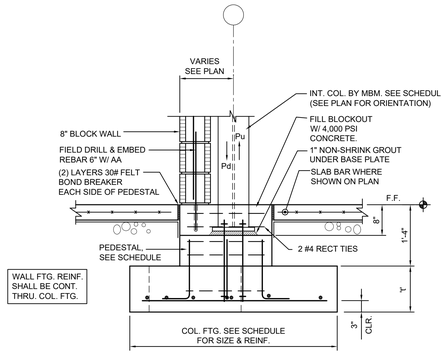
3 S3.3 TYPICAL FRAME COLUMN W/ HAIRPIN (UNO)
3/4"=1'-0"



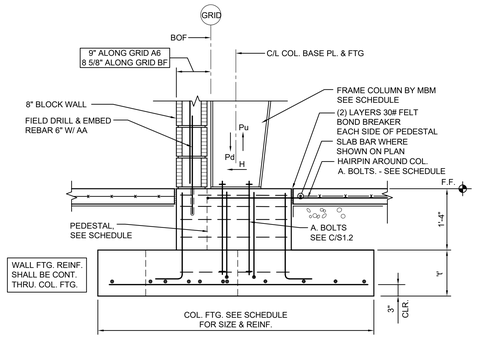
4 S3.3 TYP. PORTAL FRAME COLUMN FOOTING (UNO) W/ HAIRPIN
3/4"=1'-0"



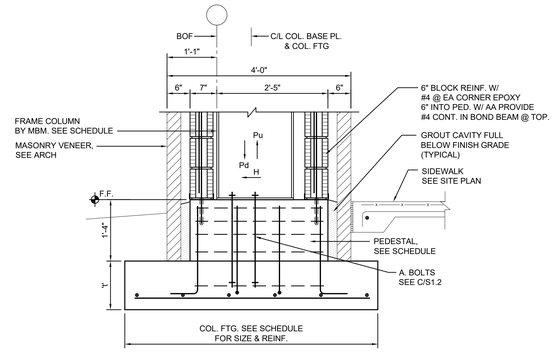
5 S3.3 PORTAL FRAME COLUMN FOOTING @ ENDWALL FRAME W/ HAIRPIN
3/4"=1'-0"



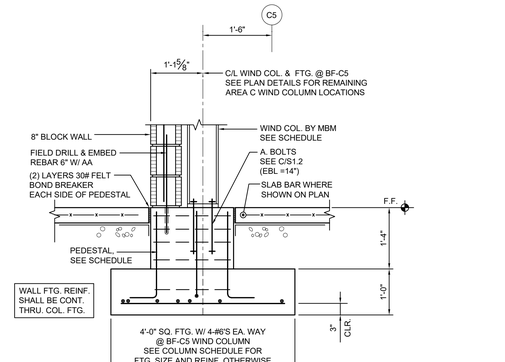
6 S3.3 TYP. INT. COL.'S ALONG BLOCK WALL (UNO)
3/4"=1'-0"



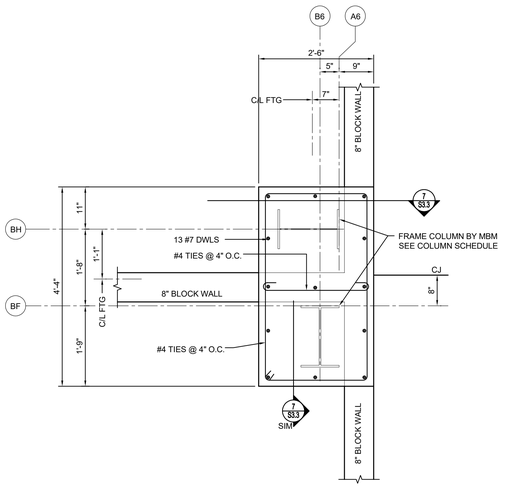
7 S3.3 INT. FRAME COLUMN W/ HAIRPIN
3/4"=1'-0"



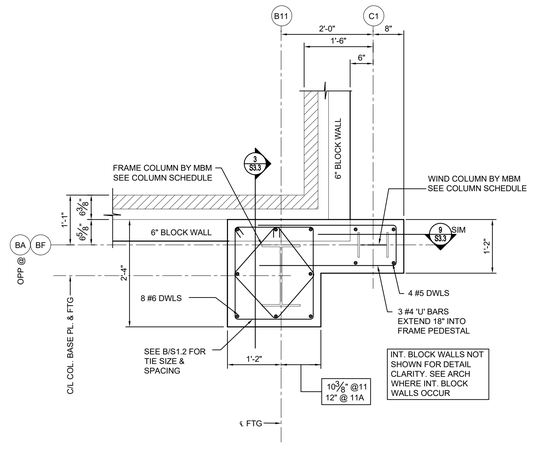
8 S3.3 FRAME COLUMN FOOTING @ AREA C PORCH
3/4"=1'-0"



9 S3.3 AREA C WIND COLUMN @ BF-C5
3/4"=1'-0"
SIM. @ BF-C1, BF-C6
SIM/OPP @ BA-C1, BA-C6

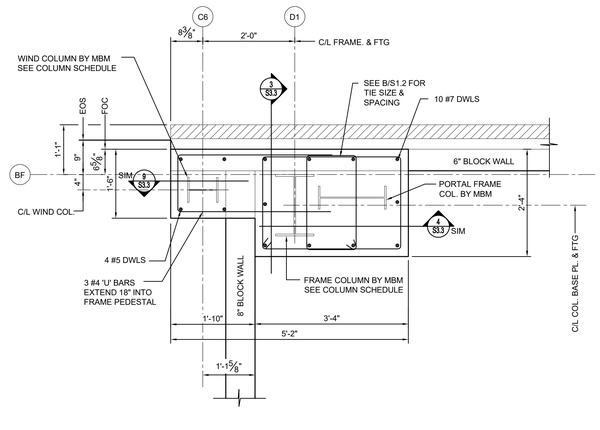


10 S3.3 PLAN DETAIL @ FRAME COLUMNS BF-B6 & BH-A6
3/4"=1'-0"

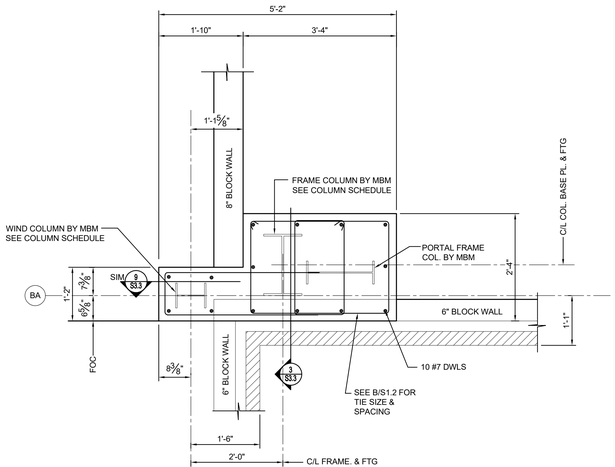


11 S3.3 PLAN DETAIL @ FRAME COLUMN BF-B11 W/ WIND COLUMN
3/4"=1'-0"

11A S3.3 PLAN DETAIL O.H. @ FRAME COLUMN BA-B11 W/ WIND COLUMN
3/4"=1'-0"



12 S3.3 PLAN DETAIL @ FRAME COLUMN BF-D1 W/ WIND COLUMN
3/4"=1'-0"



13 S3.3 PLAN DETAIL @ FRAME COLUMN BA-D1 W/ WIND COLUMN
3/4"=1'-0"

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SHERIDAN, ARKANSAS

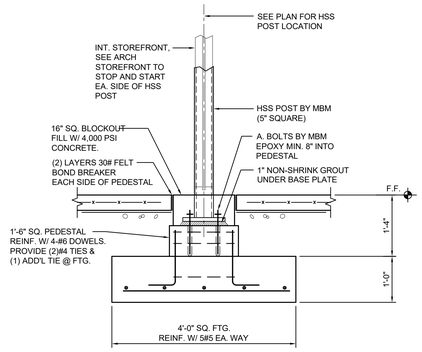
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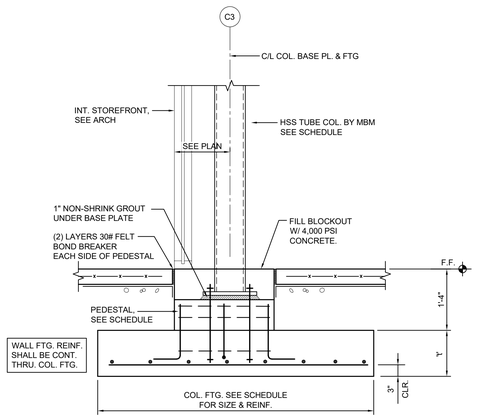
S3.3

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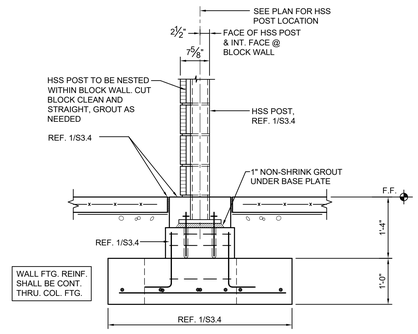
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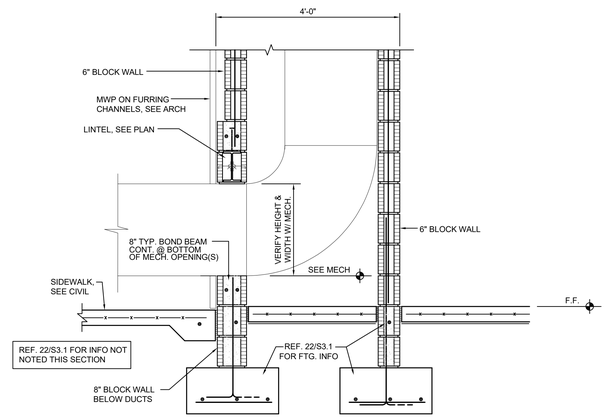
1 S3.4 HSS POST @ STOREFRONT - AREA C
3/4"=1'-0"



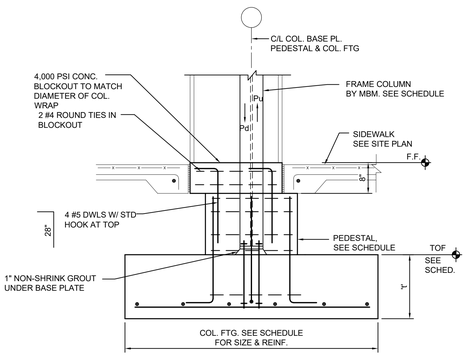
2 S3.4 INT. HSS COLUMN ALONG STOREFRONT @ AREA C (C3-BB)
3/4"=1'-0"



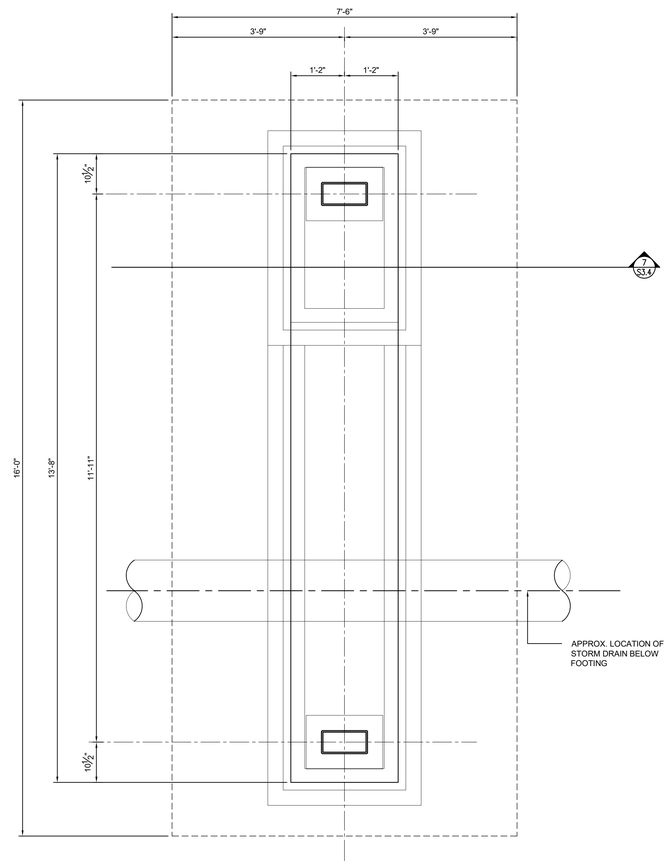
3 S3.4 HSS POST @ INT. BLOCK WALL - AREA C
3/4"=1'-0"



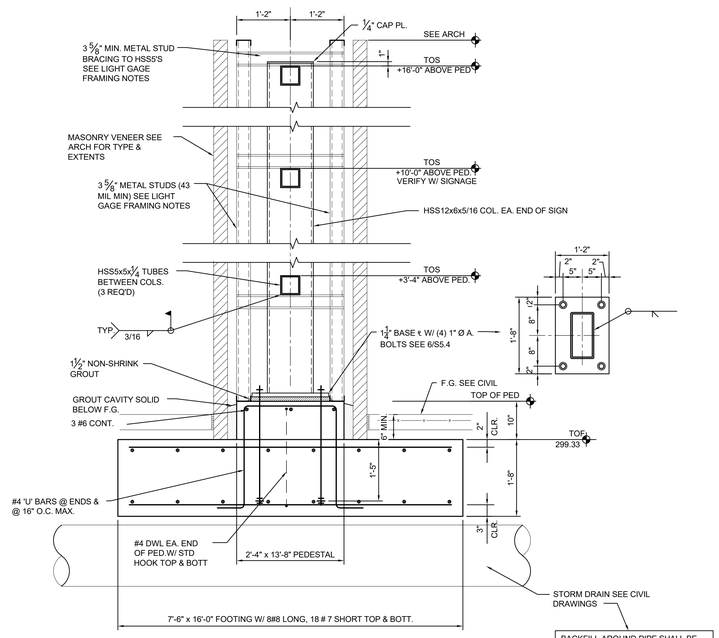
4 S3.4 FDN. SECTION @ AREA D MECH. CHASE
3/4"=1'-0"



5 S3.4 FRAME COLUMN FOOTING @ GRID CA
3/4"=1'-0"



6 S3.4 PLAN AT MONUMENT SIGN FOUNDATION
3/4"=1'-0"



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

BACKFILL AROUND PIPE SHALL BE SELECT FILL PLACED IN 6" THICK LOOSE LIFTS AND COMPACTED PER FOUNDATION NOTES TO BOTTOM OF FOOTING

SEE ARCH'L SITE PLAN FOR LOCATION OF MONUMENT SIGN. SEE A3.3 FOR ARCH'L PLANS, SECTIONS, ELEVATIONS

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FOUNDATION DETAILS

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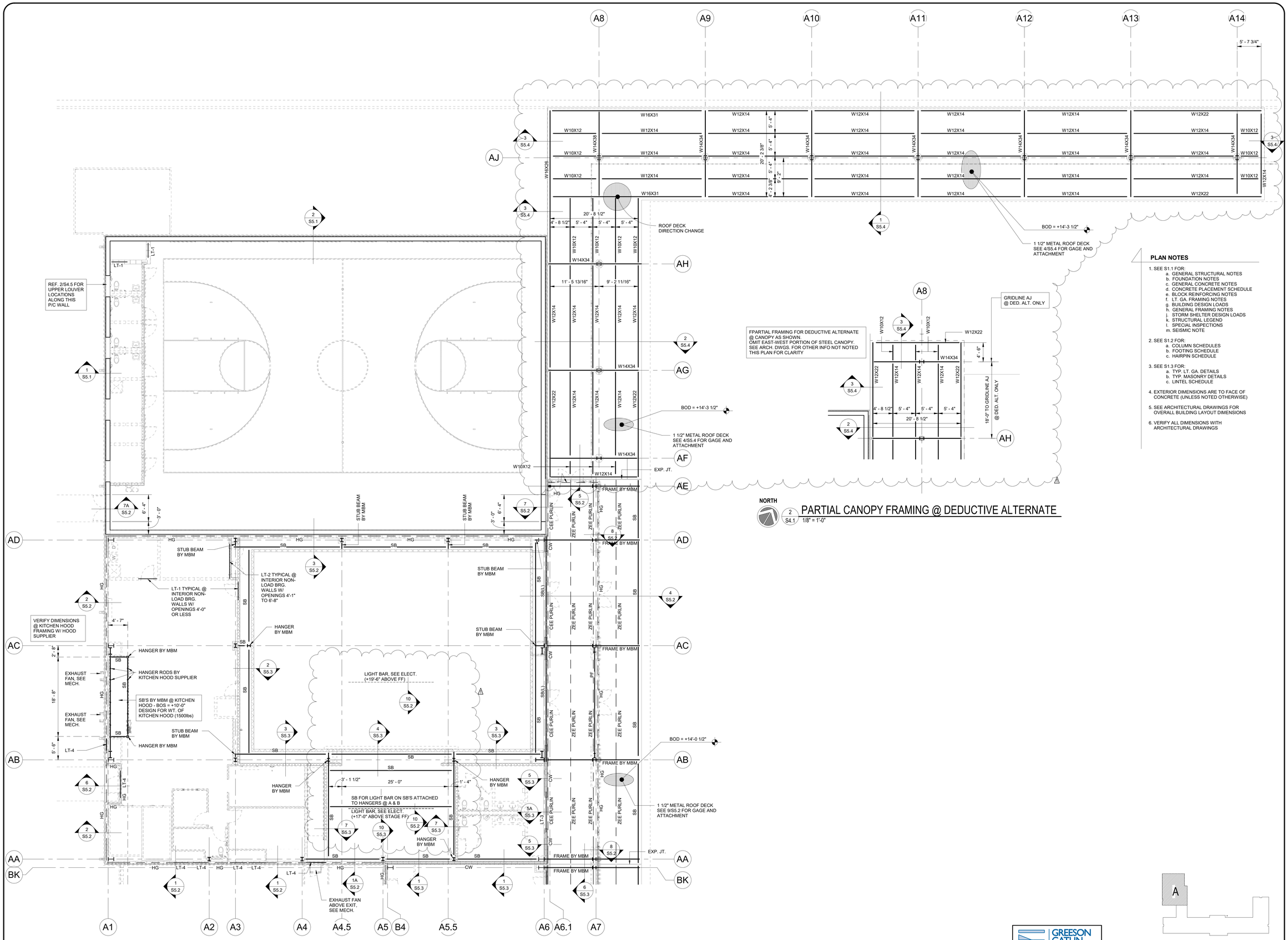
STATE OF ARKANSAS
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S3.4

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NORTH

1 S4.1 — 1/8" = 1'-0"

INTERMEDIATE FRAMING PLAN - AREA A

NORTH

2 S4.1 — 1/8" = 1'-0"

PARTIAL CANOPY FRAMING @ DEDUCTIVE ALTERNATE

PLAN NOTES

1. SEE S1.1 FOR:
   a. GENERAL STRUCTURAL NOTES
   b. FOUNDATION NOTES
   c. GENERAL CONCRETE NOTES
   d. CONCRETE PLACEMENT SCHEDULE
   e. BLOCK REINFORCING NOTES
   f. LT. GA. FRAMING NOTES
   g. BUILDING DESIGN LOADS
   h. GENERAL FRAMING NOTES
   j. STORM SHELTER DESIGN LOADS
   k. STRUCTURAL LEGEND
   l. SPECIAL INSPECTIONS
   m. SEISMIC NOTE
2. SEE S1.2 FOR:
   a. COLUMN SCHEDULES
   b. FOOTING SCHEDULE
   c. HAIRPIN SCHEDULE
3. SEE S1.3 FOR:
   a. TYP. LT. GA. DETAILS
   b. TYP. MASONRY DETAILS
   c. LINTEL SCHEDULE
4. EXTERIOR DIMENSIONS ARE TO FACE OF CONCRETE (UNLESS NOTED OTHERWISE)
5. SEE ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING LAYOUT DIMENSIONS
6. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS

GREESON GATLIN GANGLUFF & ASSOCIATES ENGINEERS PA
Phone: 501.224.7070

228013

DATUM NOTE
FIN. FLR. = 0'-0"
ELEV. = 302.50'

NORTH

KEY PLAN

LEWIS ARCHITECTS ENGINEERS
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RAGSDALE • WOODWARD • INCORPORATED
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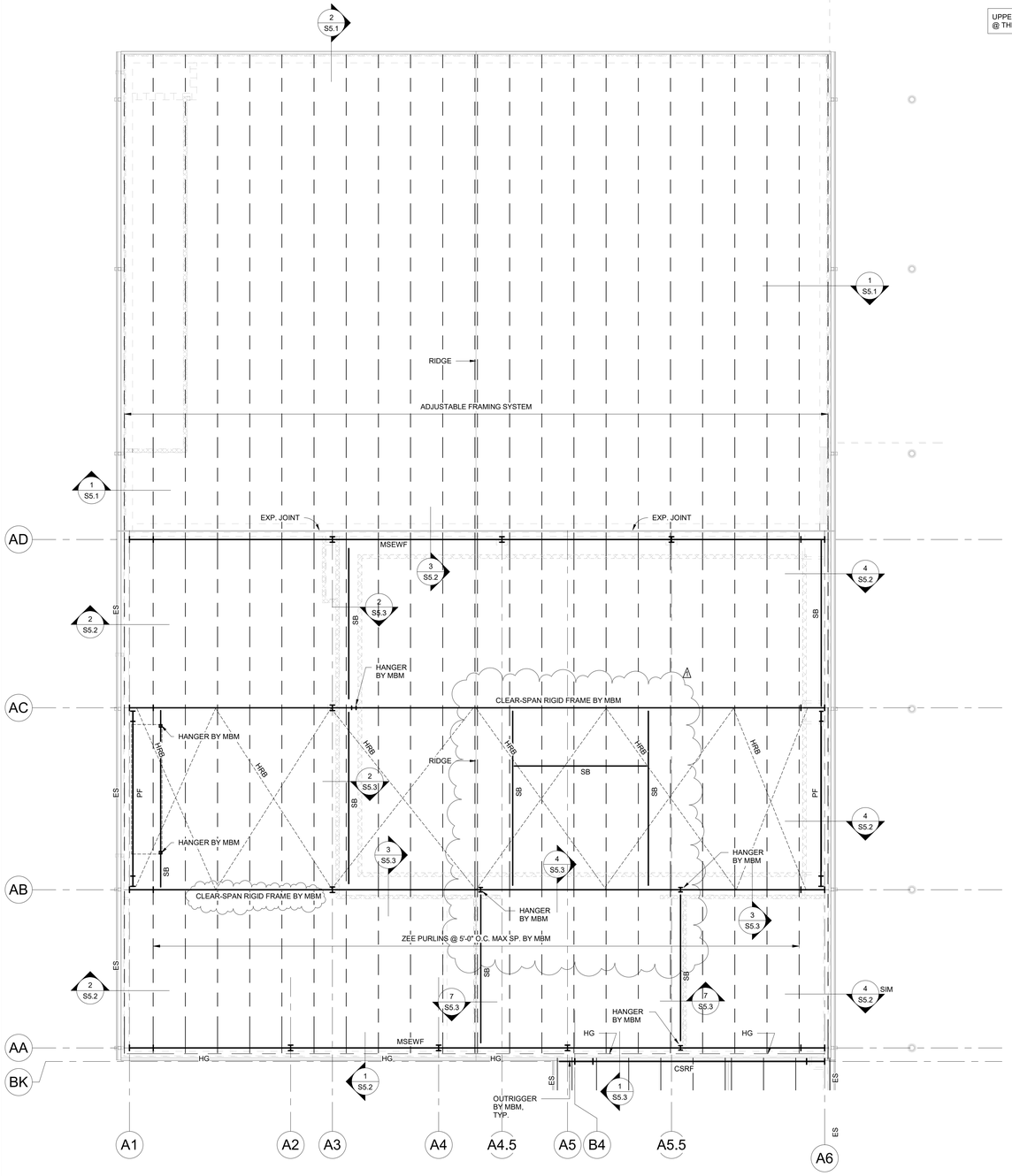
INTERMEDIATE FRAMING PLAN AREA A

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

CERTIFICATE OF AUTHORIZATION
GREESON, GATLIN, GANGLUFF & ASSOC. ENGINEERING P.A.
No. 133
ARKANSAS ENGINEER
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11242
JEREMY L. GANGLUFF
05-18-2026

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: GG/GAE
REV: 1 2026 06-01

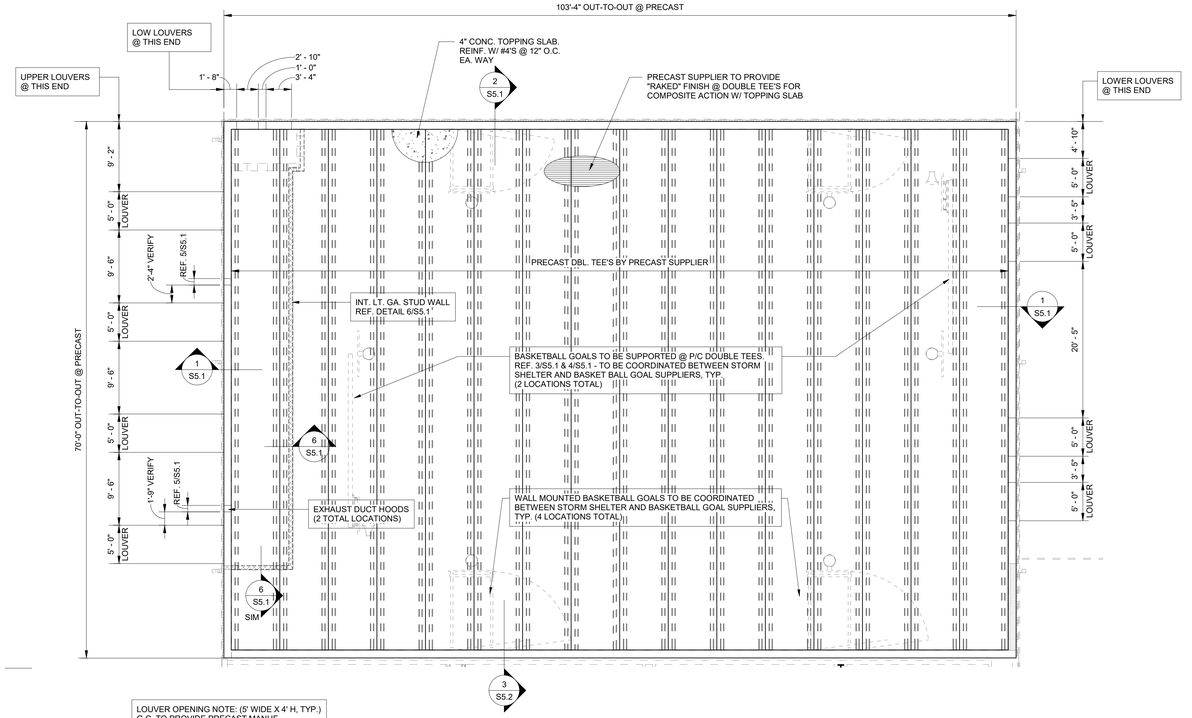
S4.1



NORTH

1 S4.5 ROOF FRAMING PLAN - AREA A

1/8" = 1'-0"



LOUVER OPENING NOTE: (5' WIDE X 4' H, TYP.) G.C. TO PROVIDE PRECAST MANUF W/ LOUVER SIZE, BOLT LOCATION, & SIZE, PRIOR TO DESIGN OF PANELS. PRECAST MANUF. TO PROVIDE SUFFICIENT CLEARANCE AROUND REINFORCING FOR MOUNTING LOUVERS INTO PRECAST WALLS.

NORTH

2 S4.5 SAFEROOM FRAMING PLAN

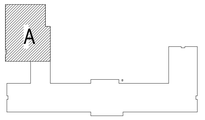
1/8" = 1'-0"

PLAN NOTES

1. SEE S1.1 FOR:
   a. GENERAL STRUCTURAL NOTES
   b. FOUNDATION NOTES
   c. GENERAL CONCRETE NOTES
   d. CONCRETE PLACEMENT SCHEDULE
   e. BLOCK REINFORCING NOTES
   f. LT. GA. FRAMING NOTES
   g. BUILDING DESIGN LOADS
   h. GENERAL FRAMING NOTES
   j. STORM SHELTER DESIGN LOADS
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   a. TYP. LT. GA. DETAILS
   b. TYP. MASONRY DETAILS
   c. LINTEL SCHEDULE
4. EXTERIOR DIMENSIONS ARE TO FACE OF CONCRETE (UNLESS NOTED OTHERWISE)
5. SEE ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING LAYOUT DIMENSIONS
6. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS

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Phone: 501.224.7070
226013

DATUM NOTE
FIN. FLR. = 0'-0"
ELEV. = 302.50'



NORTH

KEY PLAN

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ROOF FRAMING PLAN AREA A

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

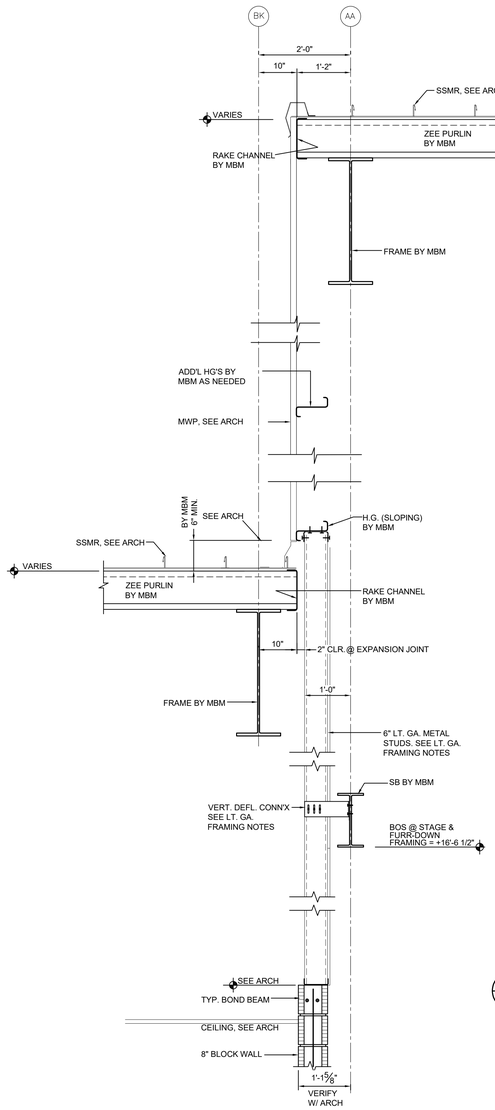
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No. 133
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11242
JEFFREY L. GANGLUFF

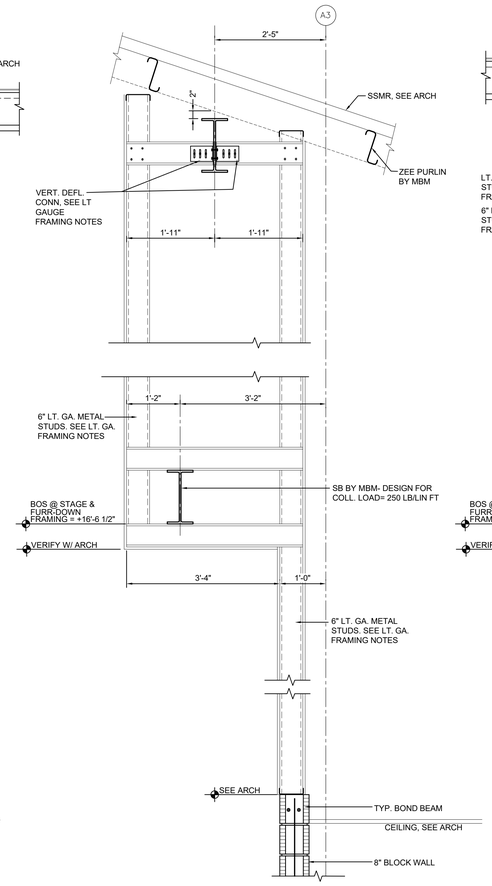
05-18-2026

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: GGGAE
REV: 1 2026 06-01

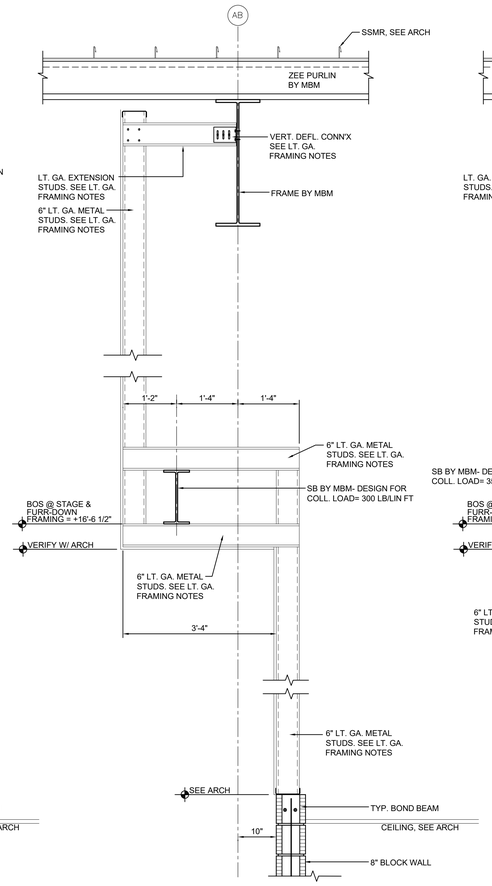
S4.5



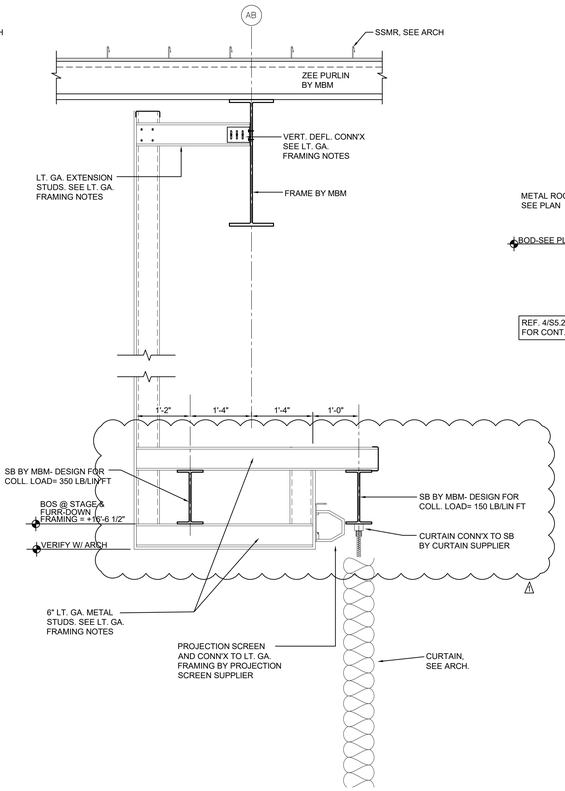
1 S5.3 PEMB ROOF STEP ALONG FRAMELINES BK & AA
3/4"=1'-0"



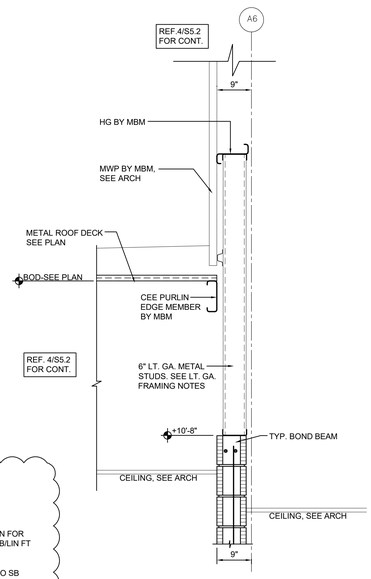
2 S5.3 FURR-DOWN SECTION ALONG GRIDLINE A3
3/4"=1'-0"



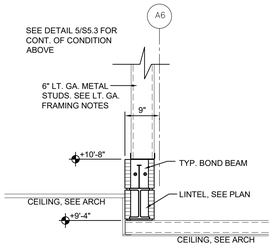
3 S5.3 FURR-DOWN SECTION ALONG FRAMELINE AB
3/4"=1'-0"



4 S5.3 FURR-DOWN SECTION ALONG FRAMELINE AB @ STAGE OPEN'G
3/4"=1'-0"



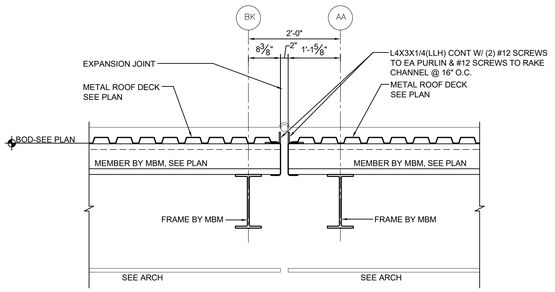
SECTION 5 ALONG CW



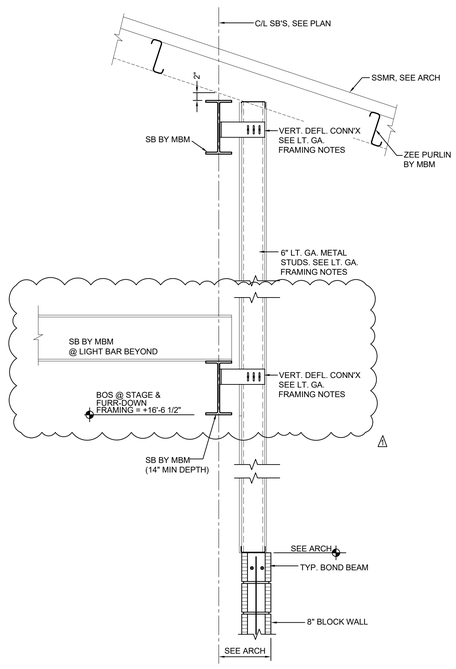
SECTION 5A @ OPEN'G

5 S5.3 SECTION @ AREA A ALONG LOW ROOF
3/4"=1'-0" BTWN. FRAMELINES AA - AB

5A S5.3 SECTION @ AREA A ALONG LOW ROOF
3/4"=1'-0" @ OPEN'G BTWN. FRAMELINES AA - AB



6 S5.3 SECTION @ LOW ROOF EXP. JT. ALONG GRIDS BK-AA
3/4"=1'-0"



7 S5.3 SECTION @ INT. STAGE WALLS W/ SB'S WHERE NOTED
3/4"=1'-0"

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AREA A
FRAMING DETAILS

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

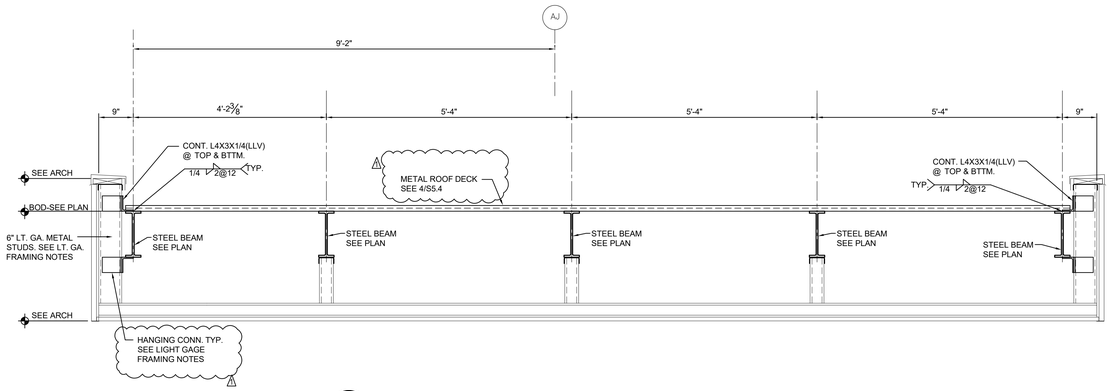
CERTIFICATE OF AUTHORIZATION
GREESON, GATLIN, GANGLUFF & ASSOC. ENGINEERING P.A.
No. 133
ARKANSAS ENGINEER
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11242
RANDY L. GANGLUFF
05-18-2026

DATE: 2026 05-18
PROJECT NO: 25053
DRAWN BY: GDGAE
REV: 1 2026 06-01

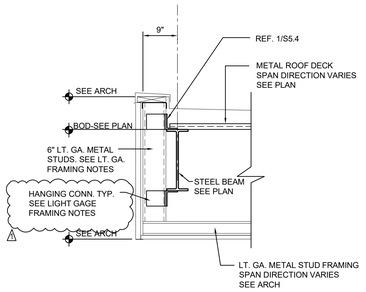
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ENGINEERS PA
Phone: 501.224.7070

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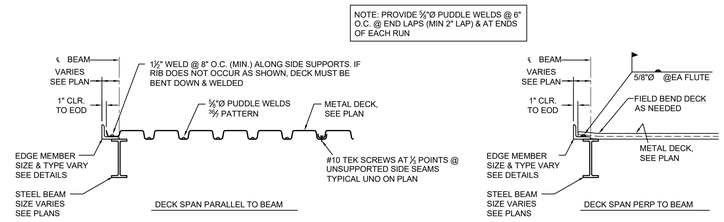
S5.3



1 S5.4 TYP. CANOPY SECTION ALONG GRIDLINE AJ (UNO)
3/4"=1'-0"

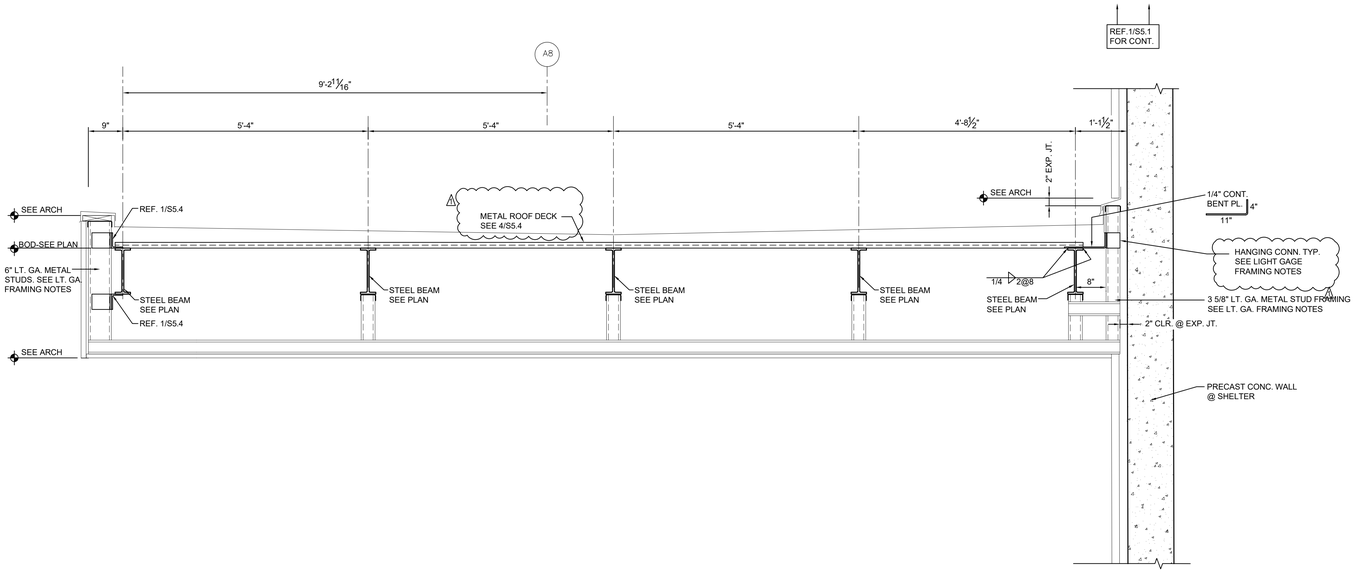


3 S5.4 SECTION ALONG CANOPY EDGE
3/4"=1'-0"

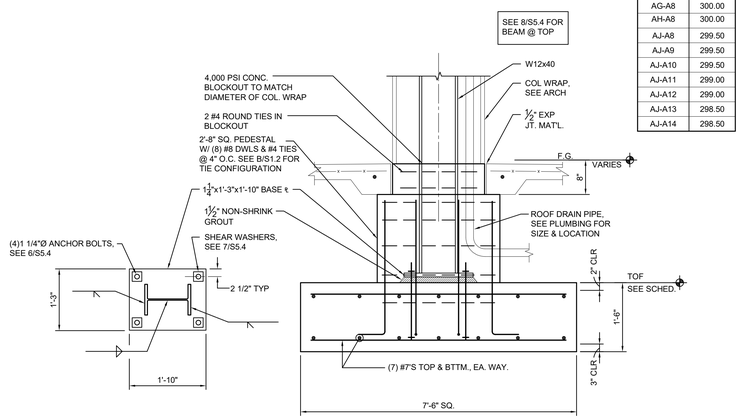


A. DECKING SHALL BE 1½" TYPE B, 20 GAUGE PAINTED STEEL DECK UNO ON PLANS
B. ALL DECK WELDS TO STRUCTURAL MEMBERS SHALL BE 5/8"Ø PUDDLE WELDS.
C. ALL DECK MUST BE MINIMUM 3 SPAN CONDITION (U.N.O.).
D. ERECTOR MAY SUBSTITUTE A DECK FASTENING SYSTEM BY HILTI (OR EQUAL) CAPABLE OF MEETING OR EXCEEDING THE CAPACITY OF THE SPECIFIED CONNECTIONS ABOVE AND DIAPHRAGM STRENGTH. SYSTEM MUST BE SUBMITTED FOR APPROVAL PRIOR TO USE.

4 S5.4 ROOF DECKING DETAIL @ STEEL CONST.
N.T.S.

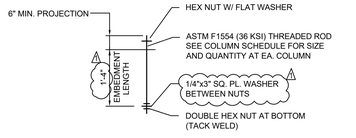


2 S5.4 TYP. CANOPY SECTION ALONG GRIDLINE A8 (UNO)
3/4"=1'-0"

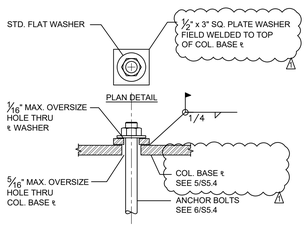


GRID	TOF
AF-A8	300.00
AG-A8	300.00
AH-A8	300.00
AJ-A8	299.50
AJ-A9	299.50
AJ-A10	299.50
AJ-A11	299.00
AJ-A12	299.00
AJ-A13	298.50
AJ-A14	298.50

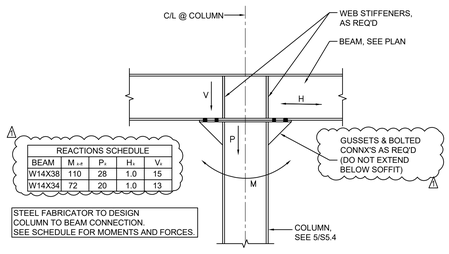
5 S5.4 TYP. FDN. SECTION & ADD'L INFO AT CANOPY COLUMNS
3/4"=1'-0"



6 S5.4 ANCHOR BOLT FOR CANOPY COLUMNS
NTS



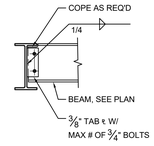
7 S5.4 SHEAR TRANSFER WASHER CANOPY COLUMNS
NTS



REACTIONS SCHEDULE				
BEAM	M_{LR}	P_c	H_c	V_c
W14X38	110	28	1.0	15
W14X34	72	20	1.0	13

STEEL FABRICATOR TO DESIGN COLUMN TO BEAM CONNECTION. SEE SCHEDULE FOR MOMENTS AND FORCES.

8 S5.4 SCHEM BEAM TO COL CONN'X @ CANOPY
NTS



9 S5.4 TYPICAL BEAM TO BEAM CONN'X @ CANOPY
3/4"=1'-0"

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AREA A CANOPY FRAMING DETAILS

EAST END ELEMENTARY
SHERIDAN SCHOOL DISTRICT
SHERIDAN, ARKANSAS

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No. 133
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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11242
LARRY L. GANGLUFF
05-18-2026

DATE: 2026 05-18
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DRAWN BY: GGGAE
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S5.4