Addendum 02

DOCUMENT 00 91 00

DATE: March 25, 2026

PROJECT: Cedar Cliff Schools Connector Addition and Renovation
194 Walnut St.
Cedarville, Ohio 45314

PROJECT #: 25056.00

OWNER: Cedar Cliff Local Schools
Contact: Brian Masser
194 Walnut St
Cedarville, Ohio 45314

ARCHITECT: Garmann Miller
38 South Lincoln Drive
P.O. Box 71
Minster, Ohio 45865

TO: Prospective Bidders

This addendum form is a part of the Contract Documents and modifies the Construction Documents dated March 02, 2026, with amendments and additions noted below.

Acknowledge receipt of this Addendum on the Bid Form. Failure to do so may disqualify the Bidder.

This addendum consists of 2 pages, 2 specifications and 1 re-issued drawing sheet.

FOR INFORMATION ONLY

CHANGES TO THE PROJECT MANUAL

1. Section 00 11 13 – Advertisement for Bids:
   a. Bid date revised to April 1, 2026.
2. Section 27 51 23 – Central Sound and Paging
   a. Adding entire specification to project.

GARMANN MILLER

CHANGES TO THE DRAWINGS

1. Drawing Sheet S0.1 – Structural Notes
   a. Structural notes on S0.1 include deep foundation system in the delegated design system. Helical piles are shown in Section C/S2.0 but other deep foundation systems, such as rammed aggregate piers ***or drilled caissons*** are also acceptable upon review. The design intent is for the column reactions to bear on rock 15' below the surface in the most economical method. Boring log 18 from 2010 is included on sheet S0.1 for reference.

ATTACHMENTS

The following attachments are included and are part of this addendum:

Specifications: 00 11 13, 27 51 23

Drawing Sheets: S0.1

END OF ADDENDUM

00 11 13

Public Notice

Sealed bids will be received by the Cedar Cliff Local School District Board of Education as provided in this notice for the South Connector Renovation Project. Questions may be directed to and electronic copies of the Contract Documents, which include additional details, are on file and available by contacting Curt South, Garmann Miller, at csouth@creategm.com.

Bids shall be enclosed in a sealed envelope addressed to the Cedar Cliff Local School District Board of Education, ATTN Brian Masser, Superintendent, 248 N. Main Street, Cedarville, Ohio 45314, and plainly marked on the outside "SOUTH CONNECTOR RENOVATION PROJECT BID." Bids will be received until 1:00 p.m., local time April 1, 2026 and immediately after the deadline the bids will be opened and publicly read aloud at the Cedar Cliff Local School District Board of Education located at 248 N. Main Street, Cedarville, Ohio 45314.

A pre-bid conference will be held on March 10, 2026 at 1:00 p.m. at the Cedar Cliff Local School District Board of Education located at 248 N. Main Street Cedarville, Ohio 45314.

All bids must include a Bid Guaranty, as described in the Instructions to Bidders. Prevailing wage rates do NOT apply. No bidder may withdraw its bid within 60 days after the opening; the Board reserves the right to waive irregularities, reject any or all bids, and conduct necessary investigations to determine bidder responsibility.

SECTION 27 51 23
CENTRAL SOUND AND PAGING SYSTEM

PART 1 GENERAL

1.01 RELATED SECTIONS

A. The provisions of the General Conditions, Supplementary Conditions, and the Sections included under Division 1, General Requirements, are included as a part of this Section as though bound herein.

B. Refer to Section 01 2300 for Alternates that may affect the Work of this Section.

1.02 DESCRIPTION OF WORK

A. The work described in this section includes the furnishing of all materials, equipment, labor, service and the performance of all operations necessary for the extention of a existing microprocessor controlled classroom paging and central sound system and components, complete and in operating condition as indicated on the Drawings and/or described herein.

B. Modes of communication shall include:
   1. Loudspeaker or group of loudspeakers from a program source.

C. All programming shall be menu driven for ease of operation.

D. System shall provide and support a 802.3 Ethernet port for communications with an external computer. It shall be possible to both create, manage and save (backup) system programming from a network connected external computer through a Microsoft Windows graphical user interface (Windows 7 up to the current release shall be supported).

E. The system shall include programmable tones for emergency and civil emergency pages.

F. The system shall provide 2,3, or 4 digit alpha/numeric architectural room numbering.

G. The integral system master clock shall have 16 schedules, thirty two (32) zones, and 1536 time events.

1.03 SUBMITTALS

A. Prior to commencement of work.
   1. Shop Drawings - Refer to Section 01 3000 - Administrative Requirements, for submittal procedures. Submit shop Drawings including product data sheets and wiring diagrams and shall include the following:
      a. A complete bill of materials with model and part numbers and reference to the Specification paragraph number.
      b. A complete set of detailed manufacturers Specifications describing and illustrating all standard and special components and materials.
      c. Provide 1/8 inch = 1'-0" Drawings stipulating devices and wiring for review.

B. Post Construction
   1. Provide signed (by attendees & trainer) & dated training syllabus for each completed training session to the Architect/Engineer Technology Designer.
   2. Operation & Maintenance Manuals
      a. Provide complete O & Ms. One hard copy and PDF format.
      b. Both formats shall be fully indexed by Section Name/System/Device.
   3. The Architect/Engineer Technology Designer may require operational demonstration of any products and systems to verify Execution/Installation/Configuration requirements are met.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Technology Kick-Off Meeting: Participate in a technology kick-off meeting at least two (2) weeks prior to the start of the work of this section.
   1. Attendance required
      a. Contractor and contractor's on-site project manager
      b. Related Subcontractors
      c. Garmann/Miller Technology Designer
      d. Construction Manager
      e. Cedar Cliff Local Schools - Technology Coordinator

B. Refer to Division 1 Front-End documents for additional requirements.

1.05 QUALITY ASSURANCE

A. Equipment and components within the equipment shall be approved by UL, and shall meet National, State, and Local Requirements including the 2023 National Electrical Code.

B. NFPA 70 - National Electric Code.

C. Underwriter's Laboratory.

D. ANSI/TIA/EIA-606-B for system records and labeling

E. ANSI J-STD-607-C Telecommunications Bonding & Grounding.

F. BICSI 14th Edition TDMM (Telecommunications Distribution Methods Manual)

G. Americans with Disabilities Act.

H. Federal Communications Commission Part 15.

I. Sound System Engineering (Davis & Patronis) - 4th Edition 2013

J. Audio Systems Design and Installation (Giddings) 1990

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. The equipment specified herein and shown on the Drawings is based upon the Bogen - Class Connect.

2.02 EQUIPMENT

A. Central Equipment
   1. The central equipment shall be mounted in a floor mounted open equipment rack provided by others. The central equipment shall consist of:
      a. A power supply to provide operating DC power for the circuitry contained within the central equipment housing and Administrative Control Consoles (ACC's).
      b. A central microprocessor unit with 60 watt power amplifiers or as required.
      c. Zone circuit boards as required for remote stations and/or communications linkage.
      d. The provision for terminating the cabling from up to two hundred (200) stations and two (2) Administrative Control Consoles.
      e. The unit shall be a Bogen - Class Connection Series as basis of design.
   2. Classroom Equipment
      a. The ceiling loudspeaker shall be a 1' x 2' lay-in grid type speaker system. 12 watt RMS, 92 dB-SPL - 1W/1M average sensitivity, 25 and 70.7 volt lines, 5 taps at -3 dB levels, and 65Hz - 17kHz frequency response. Speaker shall be white in color. Provide quantities as shown on plans. The standard of quality shall be Quam System 5. Equals: Clarity S-521, Bogen CSD1x2/U

b. The horn type paging speaker for mechanical/storage areas shall be wall mounted type with 16 watt power handling capacity, a sensitivity of 110 dB, 1W/1M, frequency response of 300-15kHz, and built-in 25/70 volt line transformer. Quantity as shown on plans. The standard of quality shall be Quam QH16T. Equals: Clarity S-615, Bogen HS15EZ
c. The wall speakers in the public/academic areas shall be a wall mounted unit equal to Quam System 2. Equals: Clarity S-504, Bogen MB8TSL
d. In high bay rooms and in open/cloud ceiling rooms, provide pendant mount speakers per drawings equal to a Bogen MPS2B with CK10B hanging kits (Black is the default color unless noted otherwise). Equals by Clarity, Soundtube.

3. Cable
   a. 20/2 stranded copper conductors shielded with overall jacket plenum rated mic and speaker wire: 7x28 stranding, 0.008" nominal flex plenum PVC insulation material, 100% Aluminum Polyester Foil shield, Stranded Tin Copper drain, 0.015" nominal flex plenum PVC jacket material, -10 to 60 degree C temperature rating, 300V RMS operating voltage rating, 60 pf/ft maximum capacitance @ 1 kHz between conductors, 108 pf/ft capacitance between conductors to shield @ 1kHz, 10.5 ohm/1M' DC resistance @ 20deg C.
      1) Approved Manufacturers: West Penn, Belden, Coleman, Windy City.
   b. All open cabling must be plenum rated.
   c. Shielded cables shall be bonded to the TGB/TMGB via the rack bonding busbar in the Telecommunication Room of origination.
4. Miscellaneous Equipment
   a. 10 Watt Attenuators, quantity as shown on plans. The standard of quality shall be Quam QC10. Equals: Clarity S560, Bogen AT10A
   b. Call-in switch, quantity as shown on plans. The standard of quality shall be Quam C1B3. Class Connection V-2972PK, Bogen CA10A
   c. Intercom station with speaker and call button for two way communication, quantity as shown on plans. The standard of quality shall be Telecor ICS-2A. Valcom VIP-172L-ST, Bogen ADP1
   d. Microphone wall plates: single gang, stainless steel, single female XLR connector.
      1) Approved Manufacturers: Pro Co, Crown, Lowell.

PART 3 INSTALLATION

3.01 WIRING

A. Circuits: Room speaker locations shall be on separate circuits and new corridor speakers shall be on one circuit.

B. Room circuits shall be routed through classroom sound reinforcement system for auto mute.

C. Wiring shall conform to recommendations of the subcontractor and shall be installed in accordance with the Specifications and as indicated on the Drawings.

D. Interface central sound system with telephone system. Provide necessary transformers or relays to accomplish this.

E. Interface with the District designated NTP server for clock signal.

F. Contractor shall ground the AM and FM antennas using a No. 2 AWG and a 5/8" x 10 foot ground rod and the appropriate location on the nearest TGB/TMGB.

G. Balance the levels of the loudspeaker units in the area to assure adequate coverage and level of sound throughout all areas as detailed hereinafter.

H. Establish the normal settings for all controls for all systems and record same for future reference. All levels shall be set for optimum signal to noise ratio and signal balance.

END OF SECTION

SPECIAL INSPECTION NOTES

1 - The OWNER shall employ one or more special inspectors to provide inspections during construction on the types of work itemized below.
2 - Only the required STRUCTURAL Special Inspections have been listed on this sheet .
3 - The special inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection.
4 - Upon request, Shell + Meyer can provide a list of local agencies providing these inspection services.
5 - Numbered and lowercase subletttered inspections indicate referenced OBC requirements
6 - Some numbered or lettered special inspection items may not be listed. These items are not required on this project.
7 - Additional information regarding inspections and tests may be found in the project specifications, on the drawings, and in the building code and referenced standards.
8 - The Special Inspections table and other contract documents indicate the special inspections anticipated at the time the documents were approved by the Building Official.
9 - Special inspection and site observation personnel are not responsible for job site safety or means and methods of construction unless noted specifically in the contract.

REQUIRED STRUCTURAL SPECIAL INSPECTIONS

Soils - OBC Table 1705.6	Continuous	Periodic	Referenced Standard	Additional OBC Requirements	Remarks
A. Geotechnical Investigations				1803	Geotechnical Investigation shall include items of Special Inspection and Testing as noted in OBC Section 1803
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	—	X			Confirm bearing conforms to geotechnical report
2. Verify excavations are extended to proper depth and have reached proper material.	—	X			
3. Perform classification and testing of compacted fill materials.	—	X		1803.5.1	Confirm structural fill materials meet specifications outlined in geotechnical report.
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	—			Confirm structural fill materials meet specifications outlined in geotechnical report.
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	—	X			Confirm that site requirements are met according to the geotechnical report, prior to placing structural fill.

Concrete Construction, Cast-In-Place - OBC Table 1705.3	Continuous	Periodic	Referenced Standard	Additional IBC Requirements	Remarks
A. Fabricator Inspections	—	X		1704.2.5	SPECIAL INSPECTIONS APPLY TO VERIFICATION OF DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES INCLUDING REVIEW FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS
1. Inspect reinforcement and verify placements.	—	X	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3.	1908.4	Confirm size and spacing of bars. Tolerances and reinforcing placement per ACI 7.5; spacing limits for reinforcing ACI 7.6
3. Inspect anchors cast in concrete.	—	X	ACI 318: 17.8.2	—	
4. Inspect anchors post-installed in hardened concrete members. a. Adhesive anchors installed horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors not defined in 4.a.	X —	— X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	—	All bolts visually inspected. Post-installed anchors shall be qualified for use in cracked concrete and shall have passed the Simulated Seismic Tests in accordance with ACI 355.2. Special inspections apply to anchor product name, type, and dimensions, hole dimensions, compliance with drill bit requirements, cleanliness of the hole and anchor, adhesive expiration date, anchor/adhesive installation, anchor embedment, and tightening torque
5. Verify use of required design mix	—	X	ACI 318:Ch.19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3	Tests and submittals per specifications
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of concrete.	X	—	ASTM C172, ASTM C31, ACI 318: 26.4, 26.12	1908.1	Tests per specifications
8. Verify maintenance of specified curing temperature and techniques.	—	X	ACI 318: 26.5.3-26.5.5	1908.9	Confirm products conform to approved shop drawings; confirm curing performed per specifications

LEVEL 1 Masonry Construction - OBC Table	Continuous	Periodic	Referenced Standard	Additional OBC Requirements	Remarks
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 1.5		
2. Verification of f'_m and f'_{AAC} prior to construction except where specifically exempted by this code.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 1.4B		
3. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.	X	—	TMS 602/ACI 530.1/ASCE 6: Art. 1.5B.1.b.3		
4. As masonry construction begins, the following shall be verified to ensure compliance:					
a. Proportions of site-prepared mortar.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 2.1, 2.6A		Visual inspection of preparation to confirm proportions
b. Construction of mortar joints.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.3B		Visual inspection to confirm placement of CMU
5. During construction the inspection program shall verify:					
a. Size and location of structural elements.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.3F		Visual inspection to confirm size and location conforms to contract drawings.
b. Type, size and location of anchors,including other details of anchorage of masonry to structural members,frames, or other construction.	—	X	TMS 402/ACI 530/ASCE 5: Sec. 1.2.1(e), 6.1.4.3, 6.2.1		Confirm size, type, and location of anchors conforms to contract drawings.
d. Preparation, construction and protection of masonry during cold weather (temperature below 40°F)or hot weather (temperature above 90°F).	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 1.8C, 1.8D	2104.3, 2104.4	Visually confirm according to ACI 530.1 Article 1.8C and 1.8D
e. Application and measurement of prestressing force.	X	—	TMS 602/ACI 530.1/ASCE 6: Art. 3.6B		
6. Prior to grouting, the following shall be verified to ensure compliance					
a. Grout space is clean	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.2D, 3.2F		Visually confirm
b. Grade, type, and size of reinforcement and anchor bolts	—	X	TMS 402/ACI 530/ASCE 5: Sec.6.1 TMS 602/ACI 530.1/ASCE 6: Art 2.4, 3.4		
c. Placement of reinforcement and connectors	—	X	TMS 402/ACI 530/ASCE 5: Sec. 6.1, 6.2.1, 6.2.6, 6.2.7 TMS 602/ACI 530.1/ASCE 6: Art. 3.2E, 3.4, 3.6A		Confirm size, spacing, and placement of reinforcing
d. Proportions of site-prepared grout	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 2.6B, 2.4 G.1.b		Visual inspection of preparation to confirm proportions
e. Construction of mortar joints.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.3B		**Visual inspection to confirm placement of CMU**
7. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 1.4	2105.2.2, 2105.3	Visual inspection during preparation/construction
UNIT STRENGTH METHOD			ASTM C62, ASTM C216, ASTM C652, ASTM C476, ASTM C55, ASTM C90	2105.2.2.1	
PRISM TEST METHOD	TESTING EVERY 5,000 FT2		ASTM C1314	2105.2.2.2	
COMPRESSIVE STRENGTH OF MORTAR			MIA - INSPECTOR'S HANDBOOK ASTM C780		(1) TEST PER DAY FOR 3 CONSECUTIVE WORK DAYS AT THE START OF THE JOB. ONE TEST SHALL CONSIST OF 3 SPECIMENS. AFTER THE FIRST THREE TESTS, SPECIMENS FOR CONTINUING QUALITY CONTROL SHALL BE TAKEN ONCE A WEEK, OR FOR EVERY 5,000 SQ. FT. OF WALL, WHICHEVER IS FIRST.
COMPRESSIVE STRENGTH OF GROUT			MIA - INSPECTOR'S HANDBOOK ASTM C780		AT THE START OF GROUTING OPERATIONS, TAKE ONE TEST PER DAY FOR THE FIRST THREE DAYS. THE TESTS SHALL CONSIST OF 3 SPECIMENS. AFTER THE FIRST 3 TESTS, SPECIMENS FOR CONTINUING QUALITY CONTROL SHALL BE TAKEN ONCE A WEEK OR FOR EVERY 30 CU. YDS. OF GROUT OR FOR EVERY 5,000 SQ. FT. OF WALL, WHICHEVER COMES FIRST.

Structural Steel

STRUCTURAL STEEL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360-16 (CHAPTER N)
IF STRUCTURAL STEEL SPECIFICATIONS ARE INCLUDED IN THE CONSTRUCTION DOCUMENTS REFER TO **SECTION 051200 "STRUCTURAL STEEL FRAMING"**

Screw Anchors	Continuous	Periodic	Referenced Standard	Additional OBC Requirements	Remarks
A. Installation	X	—	GEOTECHNICAL, RESEARCH AND/OR REPORT AND ICC EVALUATION REPORTS	1704.10	SPECIAL INSPECTIONS APPLY TO VERIFYING MANUFACTURER'S CERTIFICATION OF INSTALLERS, HELICAL ANCHOR AND BRACKET PRODUCT NAME, TYPES, INSTALLATION EQUIPMENT USED, FINAL TORQUE, PILE DIMENSIONS, EMBEDMENT DEPTH AND TIP EVALUATION

Rammed Aggregate Piers (RAP)	Continuous	Periodic	Referenced Standard	Additional OBC Requirements	Remarks
A. Verify RAP materials, sizes, and lengths comply with requirements.	X	—			SPECIAL INSPECTIONS APPLY TO HOLE SIZE AND DEPTH, VERIFICATION OF AGGREGATE MATERIAL, NUMBER AND LIFTS OF AGGREGATE, INSTALLATION RAMMER ENERGY, AND TOP OF PIER ELEVATION
B. Verify capacities of test RAP and conduct additional tests as required.	X	—			Confirm actual capacity meet or exceeds anticipated capacity.
C Observe installation and maintain complete and accurate records for each RAP.	X	—			Visual observation of the installation of each RAP.
D. Verify quantity of RAP and spacing.	X	—			drawings.

DESIGN CRITERIA NOTES

REFERENCED DESIGN CODE:
OHIO BUILDING CODE (2024)

ENVIRONMENTAL LOADS:

ROOF SNOW LOAD:
- GROUND SNOW LOAD, Pg = 20 PSF
- FLAT ROOF SNOW LOAD, Pf = 20 PSF
- SNOW EXPOSURE FACTOR, Ce = 1.0
- SNOW LOAD IMPORTANCE FACTOR, Is = 1.1
- THERMAL FACTOR, Ct = 1.0

WIND LOAD:
- BASIC WIND SPEED (3 SECOND GUST) = 114 MPH
- RISK CATEGORY = III
- WIND EXPOSURE = C
- INTERNAL PRESSURE COEFFICIENT = +/- 0.18
- MEAN ROOF HEIGHT = 10 FT.
- COMPONENT AND CLADDING WIND LOAD:
  WIND PRESSURES FOR COMPONENTS DESIGNATED FOR DELEGATED DESIGN TO BE SEALED BY PROFESSIONAL ENGINEER AND CALCULATED BASED ON ASCE 7-16.

  WHERE NO P.E. IS INVOLVED IN THE DESIGN OF THE COMPONENT/CLADDING THE FOLLOWING SERVICE LEVEL WIND LOADS (0.6W) SHALL BE USED:

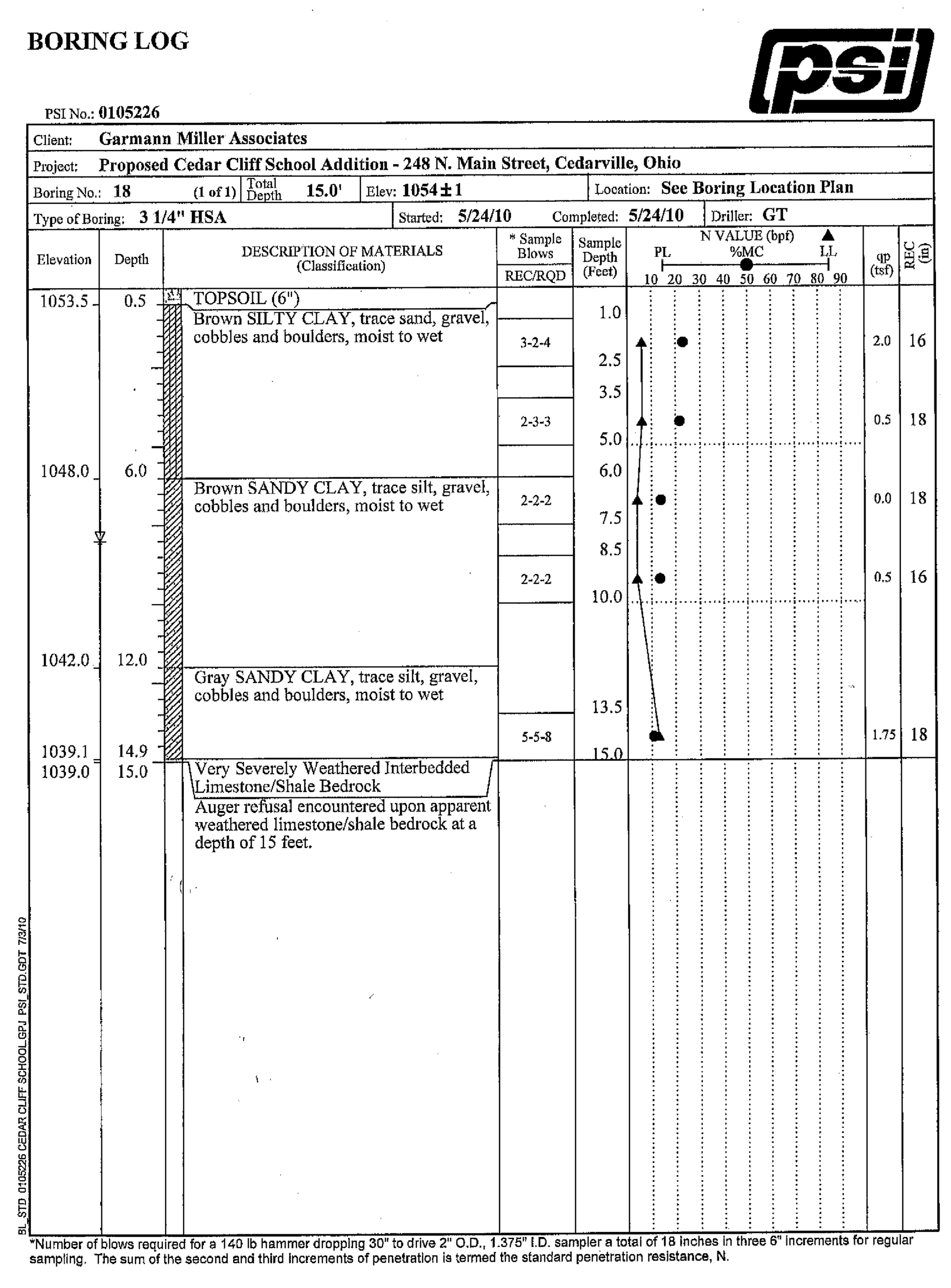
  ROOFS = +20 PSF / -64 PSF
  WALLS = +20 PSF / -27 PSF

EARTHQUAKE LOAD:
- SEISMIC IMPORTANCE FACTOR, Ie = 1.25
- MAPPED SPECTRAL ACCELERATION, Ss = 0.136
  S1 = 0.067
- SITE CLASS = D (ASSUMED)
- DESIGN SPECTRAL ACCELERATION: Sds = 0.145
  Sd1 = 0.108
- SEISMIC DESIGN CATEGORY = B
- BASIC SEISMIC-FORCE-RESISTING SYSTEM (RESPONSE MODIFICATION FACTOR) = [Reference: ASCE 7-16 Table 12.2-1]
  H STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE (R=3.0)

PER "OHIO EXISTING BUILDING CODE" 805.3 EXCEPTION, THE EXISTING LATERAL LOAD CARRYING STRUCTURAL ELEMENTS WILL HAVE A DEMAND/CAPACITY INCREASE OF NO MORE THAN 10% AND SHALL BE PERMITTED TO REMAIN UNALTERED.

SEISMIC RESPONSE COEFFICIENT, Cs = 0.060
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE
DESIGN BASE SHEAR (1.0E) = 0.7 KIPS

DESIGN UNIFORM LOADS:
ROOF LIVE LOAD: 20 PSF (MINIMUM PER OBC SECTION 1607.14.1)
UNIFORM FLOOR LIVE LOAD :


BORING LOG

PSI No.: 0105226

Client:	Garmann Miller Associates
Project:	Proposed Cedar Cliff School Addition - 248 N. Main Street, Cedarville, Ohio
Boring No.:	18 (1 of 1) Total Depth 15.0' Elev: 1054±1 Location: See Boring Location Plan
Type of Boring:	3 1/4" HSA Started: 5/24/10 Completed: 5/24/10 Driller: GT

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows REC/RQD	Sample Depth (Feet)	qp (tsf)	REC (in)
1053.5	0.5	TOPSOIL (6")		1.0		
		Brown SILTY CLAY, trace sand, gravel, cobbles and boulders, moist to wet	3-2-4	2.5	2.0	16
			2-3-3	3.5 / 5.0	0.5	18
1048.0	6.0	Brown SANDY CLAY, trace silt, gravel, cobbles and boulders, moist to wet	2-2-2	6.0 / 7.5	0.0	18
			2-2-2	8.5 / 10.0	0.5	16
1042.0	12.0	Gray SANDY CLAY, trace silt, gravel, cobbles and boulders, moist to wet	5-5-8	13.5 / 15.0	1.75	18
1039.1	14.9	Very Severely Weathered Interbedded Limestone/Shale Bedrock				
1039.0	15.0	Auger refusal encountered upon apparent weathered limestone/shale bedrock at a depth of 15 feet.				

N VALUE (bpf) PL %MC LL 10 20 30 40 50 60 70 80 90

BL_STD 0105226 CEDAR CLIFF SCHOOL.GPJ PSI_STD.GDT 7/2/10

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments for regular sampling. The sum of the second and third increments of penetration is termed the standard penetration resistance, N.

GENERAL STRUCTURAL NOTES

GENERAL (ALL TRADES)
1. IN ACCORDANCE WITH SECTION 1704 OF THE OHIO BUILDING CODE, SPECIAL INSPECTIONS WILL BE REQUIRED FOR THIS PROJECT. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE "SPECIAL INSPECTION REQUIREMENTS" SCHEDULE. ALL FABRICATORS SHALL SATISFY THE "FABRICATOR APPROVAL" PROVISIONS IN SECTION 1704.2.5.1 WHICH REQUIRES THE FABRICATOR TO MAINTAIN AN AGREEMENT A BOARD RECOGNIZED INDUSTRY TRADE ASSOCIATION CERTIFICATION PROGRAM OR A BOARD RECOGNIZED FABRICATOR INSPECTION AGENCY PER 4101:7-6-01 OF OHIO ADMINISTRATIVE CODE.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY CONDITIONS SUBSTANTIALLY DIFFERENT THAN THOSE SHOWN TO THE ENGINEER.
3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER DISCIPLINES. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
4. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. SHELL + MEYER ASSOCIATES, INC. SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES, AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK.
6. **FOR THE PURPOSES OF UL FIRE ASSEMBLY RATINGS E119 AND UL 263, THE STRUCTURE SHALL BE CONSIDERED "UNRESTRAINED", UNLESS SPECIFICALLY NOTED IN THE CONSTRUCTION DOCUMENTS PER OBC SECTION 703.2.1.3.**

POST INSTALLED ANCHORS
1. INSTALL ALL ANCHORS PER THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS (MPII).
2. WHERE NOT INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC.
3. ***CONCRETE SUBSTRATE*** - U.N.O. USE 3/4" DIAM. HILTI 'HAS' THREADED RODS OR HIT-Z ANCHOR RODS WITH HIT-HY 200V3 SAFE SET SYSTEM, ICC ESR-4868. MINIMUM EMBEDMENT 0'-6 3/4".
4. ***REINFORCING INTO CONCRETE*** - U.N.O. USE HILTI HIT-RE 500 V3 EPOXY, ICC ESR-3814. MINIMUM EMBEDMENT INTO CONCRETE 44x BAR DIAMETER U.N.O.
5. ***GROUTED CONCRETE MASONRY*** (INSTALLED IN WALL FACE) MIN. 8" GROUT AROUND ALL ANCHORS - U.N.O. USE 3/4" DIAM. HILTI KWIK BOLT 3 ANCHORS, ICC-ES ESR-1385. MINIMUM EMBEDMENT 0'-4 3/4".
6. ***GROUTED CONCRETE MASONRY*** (INSTALLED VERTICALLY IN TOP COURSE OF WALL) - U.N.O. USE 3/4" DIAM. HILTI KWIK HUS EZ SCREW ANCHORS, ICC-ES ESR-3056. MINIMUM EMBEDMENT 0'-6 1/4".
7. ***UNGROUTED CONCRETE MASONRY*** - USE THE HILTI HIT HY-270 ADHESIVE SYSTEM ICC-ES ESR-4144. U.N.O. STEEL ANCHORS SHALL BE 1/2" DIAM. HILTI 'HAS-E' CONTINUOUSLY THREADED ROD x 0'-2" MINIMUM EMBEDMENT. USE TWO APPROPRIATELY SIZED MESH SLEEVES PER ANCHOR.

DIVISION 3 - FOUNDATIONS AND CONCRETE
1. MAXIMUM ALLOWABLE BEARING PRESSURE = 100,000 PSF AT SOUND INTACT LIMESTONE BEDROCK, REF. GEOTECHNICAL REPORT DATED JULY 12, 2010 BY PROFESSIONAL SERVICE INDUSTRIES REPORT No. 0105226. DEEP FOUNDATIONS SHALL BEAR ON BEDROCK 15 FT BELOW GRADE SEE BORING LOG 18.
2. ALL EXCAVATIONS SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.
3. CONCRETE WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE LATEST "AMERICAN CONCRETE INSTITUTE" INCLUDING THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". CONCRETE MIXES SHALL BE DESIGNED PER ACI 301, USING PORTLAND CEMENT CONFORMING TO ASTM C150 OR C595, AGGREGATE CONFORMING TO ASTM C33, AND ADMIXTURES CONFORMING TO ASTM C494, C1017, C618, C989 AND C260. CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.
4. HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
5. CONCRETE SHALL ATTAIN THE FOLLOWING ULTIMATE 28 DAY COMPRESSIVE STRENGTHS: 3,000 P.S.I. FOR FOOTINGS 4,000 P.S.I. FOR INT. SLABS ON GRADE, WALLS, WALL PIERS 4,500 P.S.I. FOR EXT. SLABS ON GRADE; SLUMP SHALL BE 4" ± 1"
6. ALL CONCRETE TO BE PERMANENTLY EXPOSED TO WEATHER SHALL BE AIR ENTRAINED (4.5 TO 7.5%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C260. MAXIMUM W/C RATIO = 0.45
7. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 OR ASTM A996, GRADE 60.
8. TOP OF FOOTING ELEVATIONS SHALL BE AS SHOWN ON THE FOUNDATION PLAN. THESE ELEVATIONS ARE A MAXIMUM AND SHALL BE LOWERED AS REQUIRED TO OBTAIN THE REQUIRED DESIGN BEARING PRESSURE PER THE GEOTECHNICAL ENGINEER'S SPECIFICATION. REFER TO SCHEDULES AND DETAILS FOR MINIMUM FOOTING THICKNESSES.

DIVISION 4 - MASONRY
1. MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 602-16)", PUBLISHED BY THE MASONRY SOCIETY.
2. HOLLOW LOAD BEARING MASONRY UNITS SHALL CONFORM TO ASTM C90. COMPRESSIVE STRENGTH OF THE BLOCK SHALL BE A MINIMUM 2650 PSI.
3. FILL ALL BOND BEAMS AND REINFORCED CELLS SOLIDLY WITH GROUT. GROUT SHALL CONFORM TO ASTM C476 AND SHALL OBTAIN A MINIMUM 28 DAY NET COMPRESSIVE STRENGTH OF 2500 P.S.I. UNDER NO CIRCUMSTANCES SHALL MASONRY MORTAR BE USED IN LIEU OF GROUT.
4. ALL MORTAR SHALL MEET THE "PROPORTION SPECIFICATION" OF ASTM C-270 AND BE MADE WITH PORTLAND CEMENT/LIME (NON AIR-ENTRAINED). THE USE OF MASONRY CEMENT MORTAR IS STRICTLY PROHIBITED. USE TYPE 'S' FOR WALLS BELOW GRADE AND TYPE 'N' FOR ALL OTHER WALLS.
5. THE MINIMUM 28 DAY NET COMPRESSIVE STRENGTH OF THE MASONRY ASSEMBLY (f ' m) SHALL BE 2000 P.S.I., AS DETERMINED BY THE UNIT STRENGTH METHOD OF ACI 530.1.
6. PROVIDE STEEL JOIST AND BEAM BEARING PLATES AND OTHER ACCESSORIES AS INDICATED. PROVIDE (3) COURSES OF SOLIDLY GROUTED CMU OVER A WIDTH OF 2'-8" BELOW ALL BEAM BEARINGS.
7. HOOK VERTICAL BARS INTO CONTINUOUS BOND BEAMS AT TOP OF WALLS (BELOW JOIST/TRUSS BEARING)
8. A PRE CONSTRUCTION MEETING SHALL BE HELD ON-SITE PRIOR TO MASONRY CONSTRUCTION TO REVIEW THE MASONRY REQUIREMENTS OF THE PROJECT. A REPRESENTATIVE FROM SHELL + MEYER ASSOCIATES, INC., THE SPECIAL INSPECTOR, THE MASONRY CONTRACTOR, AND THE GENERAL CONTRACTOR SHALL BE PRESENT.

DIVISION 5 - METALS

STRUCTURAL STEEL
1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC RECOMMENDATIONS AND CONFORM TO ANSI/AISC 360-16 AND AISC 303-10 INCLUDED IN THE 14TH EDITION OF THE "STEEL CONSTRUCTION MANUAL".
2. STEEL FABRICATORS SHALL BE AN AISC CERTIFIED SHOP AND SHALL SATISFY GENERAL (ALL TRADES) NOTE 1. OTHERWISE SHOP SPECIAL INSPECTIONS WILL BE REQUIRED.
3. UNLESS NOTED OTHERWISE, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECIFICATIONS: WIDE FLANGE SECTIONS AND TEES ASTM A992 (50 KSI) STRUCTURAL HSS TUBING A500 Gr.C (50 KSI) STEEL PIPE A500 Gr. C (46 KSI) OTHER ROLLED PLATE/SHAPES A36 (36 KSI)
4. UNLESS NOTED OTHERWISE, BASE PLATE ANCHOR RODS SHALL BE ASTM F1554 (36 KSI) ; USE NONSHRINK GROUT C1107 (8000 PSI).
5. STRUCTURAL STEEL CONNECTIONS SHALL CONSIST OF 3/4" DIAM. HIGH STRENGTH ASTM F-1852 BOLTS AND/OR WELDS WITH E70-XX ELECTRODES. USE SHEAR TYPE CONNECTIONS SELECTED BY THE FABRICATOR FOR THE ***FACTORED UNFACTORED*** SHEAR FORCES INDICATED ON PLAN IN ACCORDANCE WITH THE AISC SPECIFICATIONS FOR ***ALLOWABLE STRESS DESIGN LOAD AND RESISTANCE FACTOR DESIGN***, U.N.O. USE 5/16" THICK DOUBLE ANGLE CONNECTIONS, (AS DETAILED IN THE AISC "MANUAL OF STEEL CONSTRUCTION"), U.N.O. ON STRUCTURAL DRAWINGS.
6. UNLESS NOTED OTHERWISE, PROVIDE CONTINUOUS 1/4 FILLET WELDS PER AISC REQUIREMENTS.
7. TYPICAL LINTELS FOR MASONRY OPENINGS SHALL BE AS FOLLOWS, U.N.O. ON PLANS: L3 1/2 x 3 1/2 x 5/16" ANGLES, EACH 4" WALL WIDTH, 4'-0" OPENINGS OR LESS (8" MINIMUM END BEARING, TYP. EACH END) L5 x 3 1/2 x 5/16" ANGLES, L.L.V., EACH 4" WALL WIDTH, 4'-1" TO 6'-8" OPENINGS (8" MINIMUM END BEARING, TYP. EACH END) W8X18 WITH 5/16" PLATE CONTINUOUS (EXTEND PLATE TO END OF BEAM), 6'-9" TO 12'-0" CMU OPENINGS. 12" MIN. BR'G. E.E.
8. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, INCLUDING ALL BRICK LINTEL ANGLES AND PLATES, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153.
9. COORDINATE ALL ROOF AND FLOOR OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, FRAME OPENINGS WITH L3x3x1/4" ANGLES TYPICAL U.N.O. CONTRACTOR TO VERIFY UNIT SIZES, WEIGHTS, AND LOCATIONS BEFORE ERECTION.

STEEL JOISTS
1. ALL STEEL JOISTS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH SJI 100-20 AND SJI 200-15 STANDARD SPECIFICATIONS, 2010 EDITION AND DESIGNED FOR THE FOLLOWING: "BEND CHECK" = 200# TOP & BOTTOM CHORD, U.N.O. JOIST SHOE ROLL OVER (K-LH SERIES JOISTS) = ____ PLF
2. UNLESS NOTED AS AN 'SP' JOIST, THE SNOW DRIFT LOADS INDICATED ON PLAN HAVE BEEN INCLUDED IN THE JOIST SIZE USING THE EQUIVALENT UNIFORM LOAD METHOD.
3. JOIST BRIDGING SHALL CONFORM TO SJI SPECIFICATIONS. PROVIDE DIAGONAL BRIDGING AT ALL BEAMS AND END BAYS. FIELD WELD BRIDGING AT ENDS AND INTERSECTIONS. ALL JOISTS FORTY (40) FEET AND LONGER REQUIRE A ROW OF BOLTED CROSS BRIDGING TO BE IN PLACE BEFORE SLACKENING OF HOISTING LINES. a. X-BRIDGING WHERE SHOWN ON PLAN IS IN EXCESS OF THE MINIMUM REQUIRED BY SJI. THIS IS TO ACCOUNT FOR ERECTION SEQUENCING, LIMITING END ANCHORAGE FORCES, MEP COORDINATION, AND FUTURE FLEXIBILITY. BAR JOIST SUPPLIER SHALL NOT OMIT THESE ADDITIONAL X-BRIDGES.
4. PROVIDE AN ADDITIONAL ROW OF CONTINUOUS HORIZONTAL BOTTOM CHORD BRIDGING AT THE FIRST PANEL POINT LOCATION AT EACH END OF ALL ROOF JOISTS (TO RESIST WIND UPLIFT). UPLIFT BRIDGING SHALL TERMINATE WITH DIAGONAL BRIDGING AT ALL END BAYS. MAX NET UPLIFT = 15 PSF U.N.O.

STEEL DECK
1. STEEL ROOF DECK SHALL BE 1-1/2" - 20 GA. WR TYPE B GALVANIZED G90 PER ASTM A653, U.N.O.
2. FLOOR DECK SHALL BE 2" - 20 GA. FORM DECK GALVANIZED G90 PER ASTM A653, U.N.O.
3. WELD DECK TO SUPPORTS WITH MINIMUM 5/8 INCH PUDDLE WELDS AT 12" o.c. (36/4) AND PROVIDE No.10 TEK SCREW SIDELAP FASTENERS AT 36" O.C., UNLESS SUPERCEDED BY SPECIFICATION OR A TYPICAL DECK ATTACHMENT DETAIL.

DIVISION 5 - METALS

COLD FORM STEEL FRAMING (CFS)
1. DESIGN, FABRICATION, AND ERECTION OF ALL COLD FORMED STEEL FRAMING MEMBERS SHALL CONFORM TO THE "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" AISI S100-16 (2020) w/S2-20.
2. ALL CFS MEMBERS AND ACCESSORIES SHALL BE FORMED FROM STEEL CONFORMING TO ASTM A1003 WITH A MINIMUM YIELD STRENGTH AS FOLLOWS: 54 mils (16 Ga.) AND HEAVIER MEMBERS Fy= 50 KSI (GRADE ST50H) ; 43 mils (18 Ga.) AND LIGHTER MEMBERS Fy= 33 KSI (GRADE ST33H)
3. ALL MEMBERS SHALL BE GALVANIZED WITH A COATING MEETING THE REQUIREMENTS OF ASTM A653. USE G90 OR EQUIVALENT FOR STUDS WITH A BRICK VENEER, G60 FOR ALL OTHER FRAMING MEMBERS AND ACCESSORIES.
4. CFS LINTELS SHALL BE UNPUNCHED
5. PROVIDE BRIDGING FOR STUDS AT A MAXIMUM SPACING NOT TO EXCEED 4'-0" AND PER MFR. REQUIREMENTS FOR JOISTS AND RAFTERS. ALL BRIDGING SHALL BE INSTALLED PRIOR TO THE ADDITION OF ANY LOADING. CONNECT BRIDGING TO EACH MEMBER BY WELDING, CLIP ANGLES OR OTHER APPROVED METHOD PER THE MANUFACTURER'S REQUIREMENTS.

EXISTING CONSTRUCTION NOTES

EXISTING CONSTRUCTION NOTES
1. BEFORE PROCEEDING WITH ANY WORK IN THE EXISTING STRUCTURE, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING, AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.
2. TEMPORARY SHORING: PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.
3. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. INFORMATION USED IN PREPARING THESE DRAWINGS WAS TAKEN FROM DRAWINGS PREPARED BY OF THE ORIGINAL STRUCTURE PROVIDED TO SHELL + MEYER ASSOCIATES. SHELL + MEYER SHALL NOT BE RESPONSIBLE FOR DISCREPANCIES BETWEEN EXISTING PLANS AND AS-BUILT CONDITIONS AND IS NOT RESPONSIBLE FOR COSTS OR DELAYS RESULTING FROM THE LATER DISCOVERY OF ACTUAL CONDITIONS.
5. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING, TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS TO REMAIN.
6. LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.

DELEGATED DESIGN ITEMS

A. ENGAGE A QUALIFIED PROFESSIONAL ENGINEER LEGALLY LICENSED IN THE OF OHIO TO DESIGN AND DETAIL THE ELEMENTS NOTED BELOW.
B. DELEGATED DESIGN ENGINEER SHALL DESIGN MEMBERS, CONNECTION DETAILS AND DETERMINE FASTENER TYPES AND SIZES.
C. CONNECTIONS ARE NOT TO IMPOSE ECCENTRIC LOADING, NOR INDUCE TWISTING OR WARPING TO SUPPORTING STRUCTURE.
D. DESIGN CONNECTIONS TO ACCOMMODATE POTENTIAL AND ACTUAL MISALIGNMENT OF ADJACENT WORK WITHIN TOLERANCES SPECIFIED IN OTHER SECTIONS.
E. SUBMIT ENGINEERING CALCULATIONS DEMONSTRATING COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND OF THE AUTHORITIES HAVING JURISDICTION.
F. PROVIDE LEGIBLE CALCULATIONS THAT INCORPORATE SUFFICIENT CROSS REFERENCES TO SHOP DRAWINGS TO MAKE CALCULATIONS READILY UNDERSTANDABLE AND REVIEWABLE.
G. STRUCTURAL CALCULATIONS SHALL INCLUDE THE FOLLOWING: ANALYSIS OF FRAMING MEMBERS, ANALYSIS OF ANCHORS INCLUDING ANCHORS EMBEDDED IN CONCRETE OR MASONRY WITH ALL APPLICABLE LOAD REDUCTIONS CONSIDERED, AND SIGNATURE AND SEAL OF THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION AND LICENSED IN THE STATE OF OHIO.
H. TEST REPORTS ARE NOT ACCEPTABLE AS A SUBSTITUTE FOR CALCULATIONS.

STRUCTURAL COMPONENTS, ASSEMBLIES, AND SYSTEM DELEGATED TO THE CONTRACTOR INCLUDE THE FOLLOWING:
1. ~~COLD-FORMED STEEL FRAMING~~
2. ~~HELICAL PILES OR OTHER DEEP FOUNDATION SYSTEM~~
3. HELICAL PILES ARE SHOWN IN SECTION C/S2.0 BUT OTHER DEEP FOUNDATION SYSTEMS, SUCH AS RAMMED AGGREGATE PIERS OR DRILLED CAISSONS ARE ALSO ACCEPTABLE UPON REVIEW. THE DESIGN INTENT IS FOR THE COLUMN REACTIONS TO BEAR ON ROCK 15' BELOW THE SURFACE IN THE MOST ECONOMICAL METHOD. BORING LOG 18 FROM 2010 IS INCLUDED ON SHEET S0.1 FOR REFERENCE.

SHEET LIST

Sheet Number	Sheet Name
S0.1	STRUCTURAL NOTES
S1.0	FOUNDATION PLAN
S2.0	FOUNDATION SECTIONS
S3.0	ROOF FRAMING PLAN

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ISSUANCES/REVISIONS

	CONSTRUCTION DOCUMENTS	03/02/2026
	ADDENDUM 01	03/20/2026
	ADDENDUM 02	03/25/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25056.00	TE	PR

SHEET TITLE:
STRUCTURAL NOTES

SHEET NUMBER:
S0.1