

**ADDENDUM NO. 1 - TO
SPECIFICATIONS AND CONTRACT DOCUMENTS
LEWISBURG ELEMENTARY SCHOOL
AND
LEWISBURG PRIMARY SCHOOL
CLASSROOM EXPANSION
DESOTO COUNTY, MISSISSIPPI
FOR
DESOTO COUNTY SCHOOLS**

JANUARY 12, 2017

This addendum forms a part of the Contract Documents and modifies the original specifications and drawings, dated 12-6-16 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

This Addendum consists of 4 pages and 40 attachments.

SPECIFICATIONS

- Item No. 1: MINUTES OF PRE-BID MEETING AND SIGN-IN SHEET: See attached Minutes of Pre-Bid Meeting and Sign-In Sheet consisting of 3 pages and dated January 10, 2017.
- Item No. 2: SPECIFICATIONS, SECTION 00 4100 – BID FORM: Remove and destroy and insert the attached revised Section 00 4100 – BID FORM, consisting of 6 pages marked “Revised 1-12-17” in lower left corner.
- Item No. 3: SPECIFICATIONS, SECTION 01 2100 - ALLOWANCES: Page 3, Paragraph 3.3 B., change Lewisburg Elementary School Classroom Expansion contingency allowance from “20,000” to “\$30,000” and change Lewisburg Primary Classroom Expansion contingency allowance from “\$25,000” to “\$40,000”.
- Item No. 4: SPECIFICATIONS, SECTION 23 8200 – PACKAGED ROOF-TOP HEATING/COOLING UNITS: Page 2, Paragraph 1.7 A., delete this paragraph and replace with the following:
- “A. Five (5) years all parts and labor, five year (5) on compressor (this does not include labor after fifth year. Ten year (10) warranty on heat exchangers (this does not include labor after the fifth year).”
- Item No. 5: SPECIFICATIONS, SECTION 31 2000 – EARTHWORK:
1. Page 2, Page 2.1 A.1, delete “GW, GP, GM, SM, SP, ML, and CL.”
 2. Page 2, Page 2.1 A.2, delete “2.” And replace with:

“2. Imported fill soils should consist of select clayey sands (SC) or slightly clayey silty sands (SM) with a plasticity index in the range of 3 to 15 and a liquid limit less than 35 or silty clays (CL) or sand clays (CL) having a plasticity index in the range of 10 to 24 and a liquid limit less than 45.”
 3. Page 2, Page 2.1 B., add the following sentence: “Earth excavated from the project site must meet the requirements noted above.”

DRAWINGS – LEWISBURG ELEMENTARY SCHOOL

- Item No. 1: DRAWINGS, SHEET 0.0 – INDEX OF DRAWINGS: Remove and destroy this sheet and insert the attached revised Sheet 0.0 - INDEX OF DRAWINGS dated 1-12-17.
- Item No. 2: DRAWINGS, SHEET S2.00 – FOUNDATION PLAN: Remove and destroy this sheet and insert the attached revised Sheet S2.00 – FOUNDATION PLAN dated 1-12-17.

- Item No. 3: DRAWINGS, SHEET S3.02 – FOUNDATION DETAILS: Remove and destroy this sheet and insert the attached revised Sheet S3.02 - FOUNDATION DETAILS dated 1-12-17.
- Item No. 4: DRAWINGS, SHEET A0.1 – ARCH. SYMBOLS, ABBREVIATIONS, WALL TYPES, & PENETRATIONS: Add the following Notes:
- “Phasing/Schedule Notes: Add note “4. DCS SHALL HAVE 10 DAYS DURING THE CONTRACT TIME WHICH SHALL BE USED FOR TESTING WHICH NO WORK SHALL BE PREFORMED BY THE GENERAL CONTRACTOR AND/OR SUBCONTRACTORS. THESE DAYS SHALL BE SCHEDULED IN ADVANCE”
- Phasing/Schedule Notes: Add note “5. A PRE-BID WALK THRUOUGH WILL BE HELD ON JANUARY 16TH AT 10:00 AM. MEET IN FRONT OF LEWISBURG ELEMENTARY SCHOOL.”
- Item No. 5: DRAWINGS, SHEET A1.1 – COMPOSITE FLOOR PLAN: Remove and destroy this sheet and insert the attached revised Sheet A1.1 – COMPOSITE FLOOR PLAN dated 1-12-17.
- Item No. 6: DRAWINGS, SHEET M1.1 – FLOOR PLAN - MECHANICAL: Remove and destroy this sheet and insert the attached revised Sheet M1.1 – FLOOR PLAN - MECHANICAL dated 1-12-17.
- Item No. 7: DRAWINGS, SHEET M3.1 – SCHEDULES - MECHANICAL: Remove and destroy this sheet and insert the attached revised Sheet M3.1 – SCHEDULES - MECHANICAL dated 1-12-17.
- Item No. 8: DRAWINGS, SHEET E0.1– LEGEND, LIGHTING FIXTURE SCHEDULE, AND DETAILS - ELECTRICAL: Remove and destroy this sheet and insert the attached revised Sheet E0.1 – LEGEND, LIGHTING FIXTURE SCHEDULE, AND DETAILS dated 1-12-17.
- Item No. 9: DRAWINGS, SHEET E3.1 – FLOOR PLAN – POWER, COMMUNICATIONS, AND FIRE ALARM - ELECTRICAL: Remove and destroy this sheet and insert the attached revised Sheet E3.1 – FLOOR PLAN – POWER, COMMUNICATIONS, AND FIRE ALARM - ELECTRICAL dated 1-12-17.

DRAWINGS – LEWISBURG PRIMARY SCHOOL

- Item No. 10: DRAWINGS, SHEET C.01 – EXISTING CONDITIONS AND DEMOLITION PLAN: Remove and destroy this sheet and insert the attached revised Sheet C.01 – EXISTING CONDITIONS AND DEMOLITION PLAN dated 1-12-17.
- Item No. 11: DRAWINGS, SHEET C2.1 – GRADING AND DRAINAGE PLAN: Remove and destroy this sheet and insert the attached revised Sheet C2.1 – GRADING AND DRAINAGE PLAN dated 1-12-17.
- Item No. 12: DRAWINGS, SHEET AD1.1 – DEMOLITION FLOOR PLAN: Remove and destroy this sheet and insert the attached revised Sheet AD1.1 – DEMOLITION FLOOR PLAN dated 1-12-17.
- Item No. 13: DRAWINGS, SHEET A2.1 – ENLARGED FLOOR PLAN: Remove and destroy this sheet and insert the attached revised Sheet A2.1 – ENLARGED FLOOR PLAN dated 1-12-17.
- Item No. 14: DRAWINGS, SHEET A3.1 – REFLECTED CEILING PLAN: Remove and destroy this sheet and insert the attached revised Sheet A3.1 – REFLECTED CEILING PLAN dated 1-12-17.

- Item No. 15: DRAWINGS, SHEET A10.1 – DOOR SCHEDULE AND DETAILS: Remove and destroy this sheet and insert the attached revised Sheet A10.1 – DOOR SCHEDULE AND DETAILS dated 1-12-17.
- Item No. 16: DRAWINGS, SHEET A12.1 – FINISH SCHEDULE AND DETAILS: Remove and destroy this sheet and insert the attached revised Sheet A12.1 – FINISH SCHEDULE AND DETAILS dated 1-12-17.
- Item No. 17: DRAWINGS, SHEET S2.00 – FOUNDATION PLAN: Remove and destroy this sheet and insert the attached revised Sheet S2.00 – FOUNDATION PLAN dated 1-12-17.
- Item No. 18: DRAWINGS, SHEET S2.01 – ROOF FRAMING PLAN: Remove and destroy this sheet and insert the attached revised Sheet S2.01 – ROOF FRAMING PLAN dated 1-12-17.
- Item No. 19: DRAWINGS, SHEET S3.01 – WALL SECTIONS & DETAILS: Remove and destroy this sheet and insert the attached revised Sheet S3.01 – WALL SECTIONS & DETAILS dated 1-12-17.
- Item No. 20: DRAWINGS, SHEET S3.02 – FOUNDATION DETAILS: Remove and destroy this sheet and insert the attached revised Sheet S3.02 – FOUNDATION DETAILS dated 1-12-17.
- Item No. 21: DRAWINGS, SHEET M1.1 – FLOOR PLAN - MECHANICAL: Remove and destroy this sheet and insert the attached revised Sheet M1.1 – FLOOR PLAN – MECHANICAL dated 1-12-17.
- Item No. 22: DRAWINGS, SHEET M3.1 – DETAILS - MECHANICAL: Remove and destroy this sheet and insert the attached revised Sheet M3.1 – DETAILS – MECHANICAL dated 1-12-17.
- Item No. 23: DRAWINGS, SHEET M4.1 – SCHEDULES - MECHANICAL: Remove and destroy this sheet and insert the attached revised Sheet M4.1 – SCHEDULES – MECHANICAL dated 1-12-17.
- Item No. 24: DRAWINGS, SHEET P0.1 – LEGEND, NOTES, PIPING SCHEMATIC, RISER AND SCHEDULES - PLUMBING: Remove and destroy this sheet and insert the attached revised Sheet P0.1 – LEGEND, NOTES, PIPING SCHEMATIC, RISER AND SCHEDULES – PLUMBING dated 1-12-17.
- Item No. 25: DRAWINGS, SHEET P1.1 – FLOOR PLAN – UNDERGROUND PLUMBING: Remove and destroy this sheet and insert the attached revised Sheet P1.1 – FLOOR PLAN – UNDERGROUND PLUMBING dated 1-12-17.
- Item No. 26: DRAWINGS, SHEET P2.1 – LEGEND, NOTES AND FLOOR PLAN – ABOVEGROUND PLUMBING: Remove and destroy this sheet and insert the attached revised Sheet P2.1 – FLOOR PLAN – ABOVEGROUND PLUMBING dated 1-12-17.
- Item No. 27: DRAWINGS, SHEET FP1.1 – FLOOR PLAN, LEGEND AND NOTES – FIRE PROTECTION: Remove and destroy this sheet and insert the attached revised Sheet FP1.1 – FLOORPLAN, LEGEND AND NOTES – FIRE PROTECTION dated 1-12-17.
- Item No. 28: DRAWINGS, SHEET FP2.1 – PIPING SCHEMATICS – FIRE PROTECTION: Remove and destroy this sheet and insert the attached revised Sheet FP2.1 – PIPING SCHEMATICS – FIRE PROTECTION dated 1-12-17.
- Item No. 29: DRAWINGS, SHEET EO.1 – LEGEND & LIGHTING FIXTURE SCHEDULE - ELECTRICAL: Remove and destroy this sheet and insert the attached revised Sheet EO.1 – LEGEND & LIGHTING FIXTURE SCHEDULE - ELECTRICAL dated 1-12-17.

- Item No. 30: DRAWINGS, SHEET E2.1 – PARTIAL FLOOR PLAN – AREA B LIGHTING - ELECTRICAL: Remove and destroy this sheet and insert the attached revised Sheet E2.1 – PARTIAL FLOOR PLAN – AREA B LIGHTING - ELECTRICAL dated 1-12-17.
- Item No. 31: DRAWINGS, SHEET E3.1 – PARTIAL FLOOR PLAN – AREA B POWER & FIRE ALARM - ELECTRICAL: Remove and destroy this sheet and insert the attached revised Sheet E3.1 – PARTIAL FLOOR PLAN – AREA B POWER & FIRE ALARM - ELECTRICAL dated 1-12-17.
- Item No. 32: DRAWINGS, SHEET E4.1 – PARTIAL FLOOR PLAN – AREA B COMMUNICATIONS, AUDIO/VISUAL, & COMPUTER POWER- ELECTRICAL: Remove and destroy this sheet and insert the attached revised Sheet E4.1 – PARTIAL FLOOR PLAN – AREA B COMMUNICATIONS, AUDIO/VISUAL, & COMPUTER POWER - ELECTRICAL dated 1-12-17.

ALLEN & HOSHALL, PLLC
ENGINEERS ARCHITECTS
1661 INTERNATIONAL DRIVE
SUITE 100
MEMPHIS, TENNESSEE
38120

JOB NO. 62556-62557

PRE-BID MEETING MINUTES

Lewisburg Primary – Lewisburg Elementary – Expansion

January 10, 2017 - 9:00 am

Desoto County Schools – Physical Office Location

In Attendance: See Sign-In Sheet

AGENDA

- I. Introductions
 - A. DeSoto County Schools –
 - 1. Leslie Pool – Field Representative
 - 2. Mike Ramage – Plant Maintenance, Office representative
 - 3. Jerry White – Plant Maintenance, Director
 - B. Allen & Hoshall – Michel Lebel, Architect – Project Manager
- II. Bid Schedule and Requirements
 - A. Bids Received at the DCS Headquarters until January 20th @ 1:00 PM
 - B. Bid Submittal Requirements – See Instructions to Bidders
 - C. Bid Bond Required
- III. Bid Form, Section 00 41 00
 - A. Allowances
 - Contingency Allowance for Owner-Authorized Amendments – Will be changed via addendum
 - Unit Price Items for Undercut Excavation
 - B. NOTE: Lump Sum Base Bid includes the bid amount for the Contingency Allowance and undercut excavation provide listed. The amounts listed in the bid form are for each school and separated as such.
- IV. Project Schedule **(There will be an onsite walk through on January 16th at 8:30 – Meet in front of the elementary school)**
 - Bids January 20th
 - School Board meets Feb 6th and approves contract
 - Notice to Proceed by about February 10th, 2017, assuming bonds and insurance are in place.
 - Substantial Completion by July 27, 2017
 - Final Completion by August 26, 2017
 - Liquidated Damages are set at \$1,000/calendar day, per the Bid Form.
- V. There will be no contract time extension for Weather delays.
- VI. Or Equal Substitution – Substitution requests will be considered after the bids are received. All properly submitted requests will be considered, but the burden of proof is with Contractor. Pre-bid substitutions are recommended.

- VII. Communication During Bidding
- Written communication is preferred either by email (mlebel@allenhoshall.com) or by fax to Michel Lebel: 901 683 1001. If not written, you may call Me: 901 820 0820.
 - Addendum will be sent to all the Plan Holders, which includes the plan rooms.
 - We will not be answering any questions within 48 hours of the bid (excluding weekends and holidays), after January 18th at 1:00 PM. Please try to get your questions in before the last minute so we can have time to answer them properly.
- VIII. Contracting Requirements
- See Agreement included in these documents for form of Agreement.
 - See General Conditions included in these documents.
- IX. Use of Premises – Will be worked out with successful bidder.
- X. Working Hours – hours will not be limited. Work located inside the existing school shall be coordinated.
- XI. Security – Contractor will be responsible for security of the work site and his property thereon.
- XII. Safety –
- Clean and safe work area
 - Typical workplace safety precautions
- XIII. Hauling and Deliveries/Access During Daily Heavy Traffic Times – shall be discussed with successful bidder.
- XIV. Temp Utilities will be provided on site by the school
- XV. Processing Pay Applications – Submit for Review 1st week of the Month. Payment by DCS around the 15th.
- XVI. Desoto County for permit and Inspections. – There will be two separate permits for this project since there is two separate physical locations as well as two separate insurance policies.
- XVII. See section 00 80 00 for special conditions on how the project shall be separated for paper work.
- XVIII. Testing – Owner will select and pay for construction testing under a separate agreement, per the contract documents if any required.
- XIX. City Review Fees - Paid by the Owner. Bidders should anticipate that the plans review will be complete by the time of bidding.
- XX. Building Permit – Contractor Pays Building Permit and inspection fees.
- XXI. Construction Trailer and Lay Down Area
- XXII. Other Items

DESOTO COUNTY SCHOOLS

BID - SIGN-IN SHEET
Lewisburg Primary and Elementary Expansions

1/10/2017 - 1:00 PM

Page 1

Name	Organization	Phone	Fax	email
1 Mike Ramage	Desoto County Schools	901 734 5149		Mike.Ramage@DCSMS.ORG
2 Shea Smith	CTM Builders	662-342-7182	662-342-5332	Sheas@cmbrbuilders.com
3 Bill Bradshaw	T.V. State Ironworks	901-628-8914	901-942-2303	bradshaw@trystateironworks.com
4 Zach Herin	Legacy Const	901-828-3336		zachherin71@gmail.com
5 Ray Boucher	Levine + Poor, Inc	901 683 6885	901 683 1740	Ray@LevineandPoor.com
6 Jamic White	Fulwood Const	901-496-6188	662-890-8949	Jamie@fulwoodconstruction.com
7 Todd Fulwood	Fulwood Const	901-890-8904	662-890-8949	Todd@fulwoodconstruction.com
8 LESLIE POOL	DCS	901-461-4188		
9 Jerry white	DCS	901-282-9247		jerry.white@DCSMS.ORG
10 John Albro	ALBRO	662-298-8569	662-298-8569	John@albroconstruction.com
11 Jerry Lewis	Amteck, LLC	901-581-0225 731-286-2772	731-286-2777	JLewis@Amteck.com
12 Benjamin Hamilton	TDL Contractors	901-351-7584	662-893-3003	bhamilton@tallcontractors.com
13 Ryan Doler	TDL Contractors	662-893-3000	662-893-3003	rdoler@tallcontractors.com
14 Nick Ingram	Olympic Construction	870-225-8883		Nick@olympusgc.com
15 Ray Woods	M.D. South Erosion	901-486-3720	662-838-2323	M.D.SouthErosion@yahoo.com

SECTION 00 4100

BID PROPOSAL FORM

Project Identification: DESOTO COUNTY SCHOOL DISTRICT
LEWISBURG ELEMENTARY SCHOOL CLASSROOM EXPANSION
AND LEWISBURG PRIMARY SCHOOL CLASSROOM EXPANSION
DESOTO COUNTY, MISSISSIPPI

This Bid is Submitted to: DESOTO COUNTY BOARD OF EDUCATION
5 EAST SOUTH STREET
HERNANDO, MISSISSIPPI 38632
ATTN: CORY USELTON

This Bid is Submitted from (Contractor):

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with Owner in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with other terms and conditions of the Contract Documents.
2. Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for forty-five (45) days after the day of Bid opening. Bidder will sign and submit the Agreement with the Bonds and other documents required by the Bidding Requirements within fifteen days after the date of Owner's Notice of Award.
3. In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:
 - (1) Bidder has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Work.
 - (2) Bidder has studied carefully all reports and drawings of subsurface conditions and drawings of physical conditions which are identified in the Supplementary Conditions and accepts the determination set forth in the General Conditions.
 - (3) Bidder has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests and studies (in addition to or to supplement those referred to in (c) above) which pertain to the subsurface or physical conditions at the site or otherwise may affect the cost, progress, performance or furnishing of the Work as Bidder considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents.
 - (4) Bidder has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports or similar information or data in respect of said Underground Facilities are or will be required by Bidder in order to perform and furnish the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of the General

Conditions.

- (5) Bidder has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.
- (6) Bidder has given Architect/Engineer written notice to all conflicts, errors or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by Engineer/Architect is acceptable to Bidder.
- (7) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

4. This Project consists of two (2) separate buildings, Lewisburg Elementary School and Lewisburg Primary School Classroom Expansion. For accounting purposes, on this Bid Form, you are hereby directed to provide separate bids for each of the buildings, as if they were separate projects. Determination of the lowest Bid will be made based upon the sum of the amount Bid for both buildings. The Contract for this Project will include both buildings, and will be awarded to a single Contractor.

5. LEWISBURG ELEMENTARY SCHOOL CLASSROOM EXPANSION

5A. LUMP SUM BASE BID SHALL INCLUDE THE FOLLOWING UNIT PRICE ALLOWANCES PERTAINING TO LEWISBURG ELEMENTARY SCHOOL CLASSROOM EXPANSION

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Undercut Excavation	1,000	CY	\$	\$

TOTAL BID PRICE FOR UNIT PRICE ALLOWANCES INCLUSIVE IN WORDS:

DOLLARS AND _____CENTS(\$_____).

5B. LUMP SUM BASE BID PRICE SHALL INCLUDE THE FOLLOWING ALLOWANCES PERTAINING TO THE LEWISBURG ELEMENTARY SCHOOL CLASSROOM EXPANSION

1	Contingency Allowance for use according to Owner's Instructions	\$30,000.00
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5C. LUMP SUM BASE BID FOR THE LEWISBURG ELEMENTARY SCHOOL CLASSROOM EXPANSION: The completed and related work, as indicated on the contract drawings and/or described in the Specifications for the following LUMP SUM BASE BID. The LUMP SUM BASE BID shall include the Total Bid Price for the Unit Price Allowances and the amount listed for Allowances in paragraph 5B.

DOLLARS AND _____ CENTS(\$_____).

6. LEWISBURG PRIMARY SCHOOL CLASSROOM EXPANSION

6A. LUMP SUM BASE BID SHALL INCLUDE THE FOLLOWING UNIT PRICE ALLOWANCES PERTAINING TO LEWISBURG PRIMARY SCHOOL CLASSROOM EXPANSION

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Undercut Excavation	1,000	CY	\$	\$

TOTAL BID PRICE FOR UNIT PRICE ALLOWANCES INCLUSIVE IN WORDS:

DOLLARS AND _____ CENTS(\$_____).

6B. LUMP SUM BASE BID PRICE SHALL INCLUDE THE FOLLOWING ALLOWANCES PERTAINING TO THE LEWISBURG PRIMARY SCHOOL CLASSROOM EXPANSION

1	Contingency Allowance for use according to Owner's Instructions	\$40,000.00
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6C. LUMP SUM BASE BID FOR THE LEWISBURG PRIMARY SCHOOL CLASSROOM EXPANSION: The completed and related work, as indicated on the contract drawings and/or described in the Specifications for the following LUMP SUM BASE BID. The LUMP SUM BASE BID shall include the Total Bid Price for the Unit Price Allowances and the amount listed for Allowances in paragraph 5B.

DOLLARS AND _____ CENTS(\$_____).

7. TOTAL LUMP SUM BASE BID provided below shall be the sum of the amount Bid for Lewisburg Elementary School Classroom Expansion and the amount bid for Lewisburg Primary School Classroom Expansion, including all allowances as described in Paragraphs 5C and 6C above.

DOLLARS AND _____ CENTS(\$_____).

8. SELECTED SUBCONTRACTORS LIST

DESCRIPTION	COMPANY NAME	BUSINESS ADDRESS
Plumbing DIVISION 22		
Air Conditioning DIVISION 23		
Electrical DIVISION 26		

9. Receipt of the following Addenda is hereby acknowledged: _____
(Insert number of all addenda received; if no addenda received, insert "None".)

10. If awarded this Contract, I, (We), the Bidder, agree to execute a Contract and start Work on a date set to start in a Notice to Proceed which will be issued on or about February 10, 2017. Substantial Completion shall be achieved on or before JULY 27, 2017. Final Completion for both expansions shall be achieved on or before AUGUST 27, 2017, subject to the terms and conditions of the Contract.

Bidder accepts the provisions of the "General Conditions of the Contract for Construction" as to liquidated damages in the event of failure to complete the Work on time. **Liquidated damages are set at \$1,000.00 per calendar day beyond substantial completion and final completion.**

11. The following documents are attached to and made a condition of this Bid:

(1) Required Bid Security in the form of 5% Bid Bond or Bank Check in the amount of 5% of the Bid.

12. Communications concerning this Bid shall be addressed to:

The address of Bidder indicated below.

The following address:

13. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents have the meanings assigned to them in the General Conditions.

Submitted on _____, 20____.

If Bidder is:
An Individual:

_____(Individual's
Name)

_____(SEAL)
(Individual's Signature)

doing business as:

Business address:

Phone No.: _____

A Partnership:

_____(SEAL)
(Firm Name)

By: _____
(Signature of General Partner)

Business address _____

Phone No.: _____

A Corporation:

 Name) _____ (Corporation

By: _____ Title: _____
 (Signature of person authorized to sign) (Corporate Seal)

Attest:

 (Secretary)

 (State of Incorporation)

Business address: _____

 Phone No.: _____

A Joint Venture:

 (Joint Venture) (SEAL)

By: _____
 (Signature of Joint Venturer)

 (Address)

By: _____
 (Signature of Joint Venturer)

 (Address)

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

END OF SECTION

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LEWISBURG ELEMENTARY SCHOOL

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LEWISBURG PRIMARY SCHOOL

CIVIL

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STRUCTURAL

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S3.02 FOUNDATION DETAILS
S4.00 FRAMING SECTIONS & DETAILS
S4.01 FRAMING SECTIONS & DETAILS

MECHANICAL

M0.1 LEGEND AND GENERAL NOTES - MECHANICAL
M1.1 FLOOR PLAN - MECHANICAL
M3.1 DETAILS - MECHANICAL
M4.1 SCHEDULES - MECHANICAL

PLUMBING

P0.1 LEGEND, NOTES, PIPING SCHEMATIC, RISER AND SCHEDULES - PLUMBING
PD1.1 DEMOLITION FLOOR PLAN - UNDERGROUND PLUMBING
PD2.1 DEMOLITION FLOOR PLAN - ABOVE GROUND PLUMBING
P1.1 FLOOR PLAN - UNDERGROUND PLUMBING
P2.1 LEGEND, NOTES AND FLOOR PLAN - ABOVE GROUND PLUMBING
FP1.1 FLOOR PLAN, LEGEND AND NOTES - FIRE PROTECTION
FP2.1 PIPING SCHEMATICS - FIRE PROTECTION

ELECTRICAL

E0.1 LEGEND AND LIGHTING FIXTURE SCHEDULE - ELECTRICAL
E0.2 DETAILS - ELECTRICAL
E1.1 PARTIAL FLOOR PLAN - AREA B DEMOLITION - ELECTRICAL
E1.2 PARTIAL FLOOR PLAN - AREA C DEMOLITION - ELECTRICAL
E2.1 PARTIAL FLOOR PLAN - AREA B LIGHTING - ELECTRICAL
E3.1 PARTIAL FLOOR PLAN - AREA B POWER AND FIRE ALARM - ELECTRICAL
E4.1 PARTIAL FLOOR PLAN - AREA B COMMUNICATIONS, AUDIO/VISUAL, & COMPUTER POWER - ELECTRICAL

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CLASSROOM ADDITION TO LEWISBURG ELEMENTARY SCHOOL

1717 Craft Road
Olive Branch, MS 38654

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

1	ADD. #1 - DELETED UNUSED SHEET	01.12.17
No.	Revision	Date

INDEX OF DRAWINGS

JOB NO: 62556
DATE: 12.06.16
DRAWN: NS
CHECKED: MHL
CAD FILE:

LEWISBURG ELEMENTARY

0.0

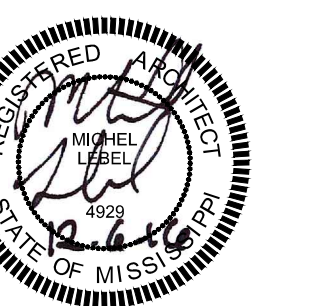


CLASSROOM ADDITION TO LEWISBURG ELEMENTARY SCHOOL

Esoto County School District
East South Street, Hernando, Mississippi 38632

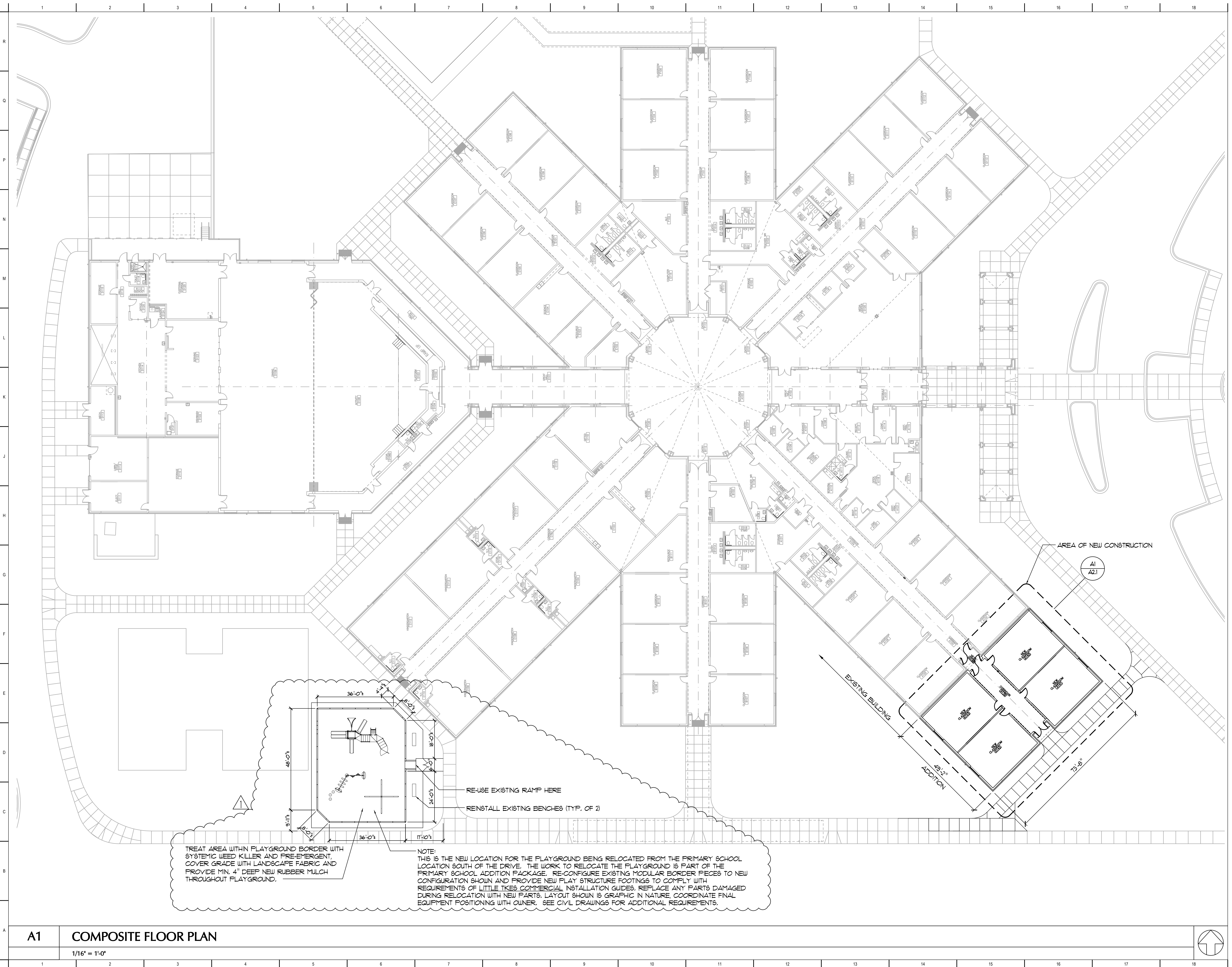
1	ADD. #1 - REVISED NOTES & DIMENSIONS	01.12.17
No.	Revision	Date

RB NO: 62556
 DATE: 12.06.16
 DRAWN: NS
 CHECKED: MHL
 AD FILE:



EWISBURG ELEMENTARY

A1.1





Allen&Hoshall
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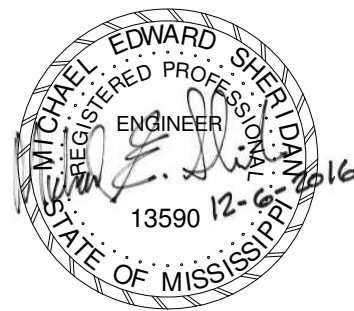
CLASSROOM ADDITION TO
LEWISBURG ELEMENTARY
SCHOOL

DESOTO COUNTY SCHOOL
BOARD
DESOTO COUNTY, MISSISSIPPI

1	ADD. #1 - DETAIL REVISION	01/12/17
No.	Revision	Date

FOUNDATION PLAN

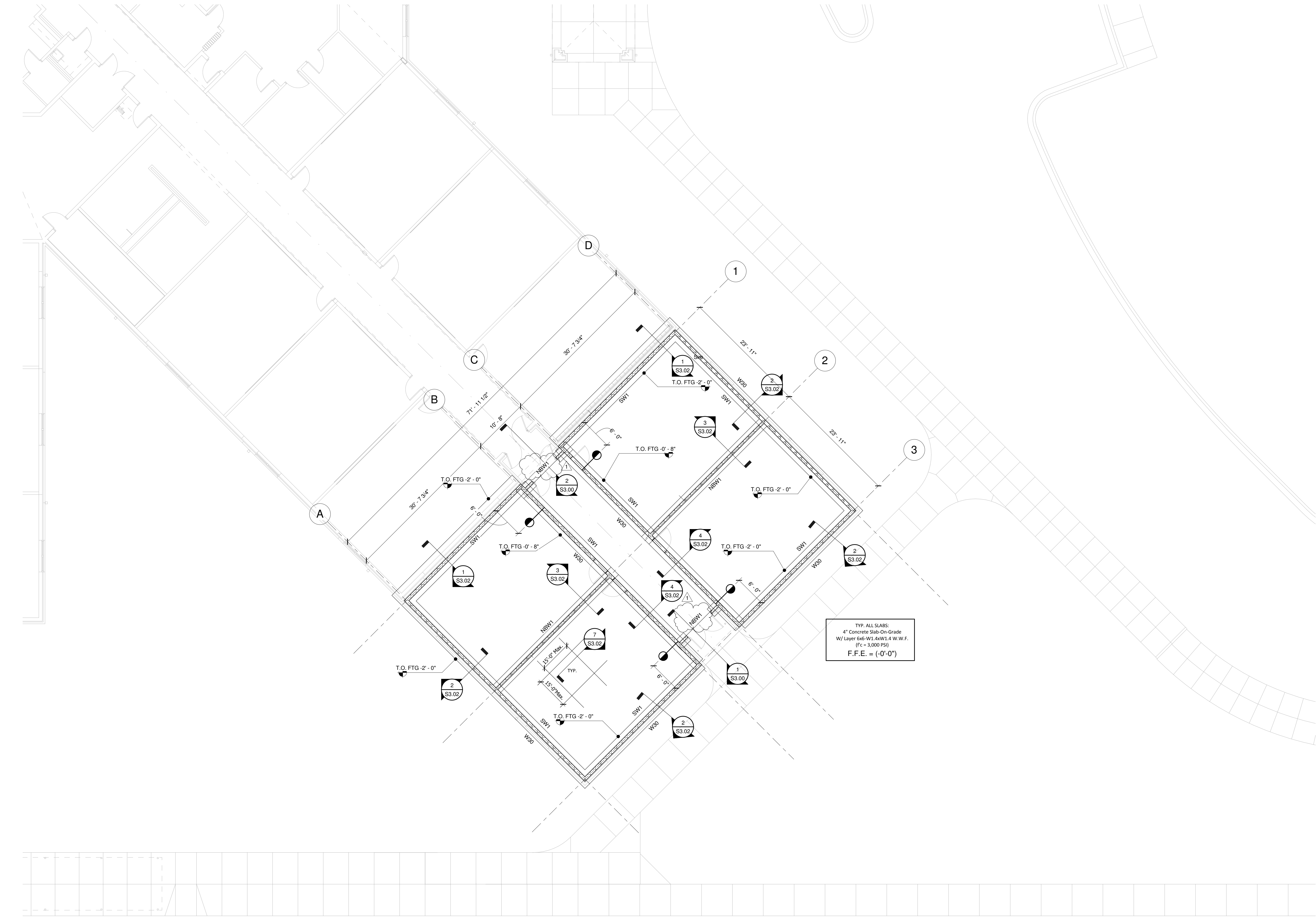
JOB NO: 62556
DATE: 12.06.16
DRAWN: TBH
CHECKED:
CAD FILE:



LEWISBURG ELEMENTARY

S2.00

- PLAN NOTES:
1. 4" SLAB ON GRADE W/ LAYER 6X6-W1.4X1.4 W.W.F. (F'c = 3000 PSI)
 2. 4" STONE SUB-BASE W/ 10 MIL. VAPER BARRIER
 3. FINISHED FLOOR ELEVATION = -0'-0" => 200'-0" M.S.L.) U.N.O. ON PLAN
 4. SEE S1.00 FOR GENERAL NOTES
 5. SEE S3.00/S3.01 FOR TYPICAL MASONRY WALL SECTIONS AND DETAILS
 6. SEE S4.00 SERIES FOR FRAMING DETAILS
 7. COORDINATE & VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS



1 Foundation Plan
1/8" = 1'-0"

12/20/2017 2:55PM



- ## 7 SLAB-ON-GRADE DETAILS



Type	WIDTH	THICKNESS	LONGITUDINAL REINF.	TRANSVERSE REINF.
W30	2' - 6"	1' - 0"	(4) #4 x Cont.	#5 @ 40" O.C.

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1717 Craft Road
Olive Branch, MS 38654

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

1	ADDENDUM NO. 1	1.12.17
No.	Revision	Date

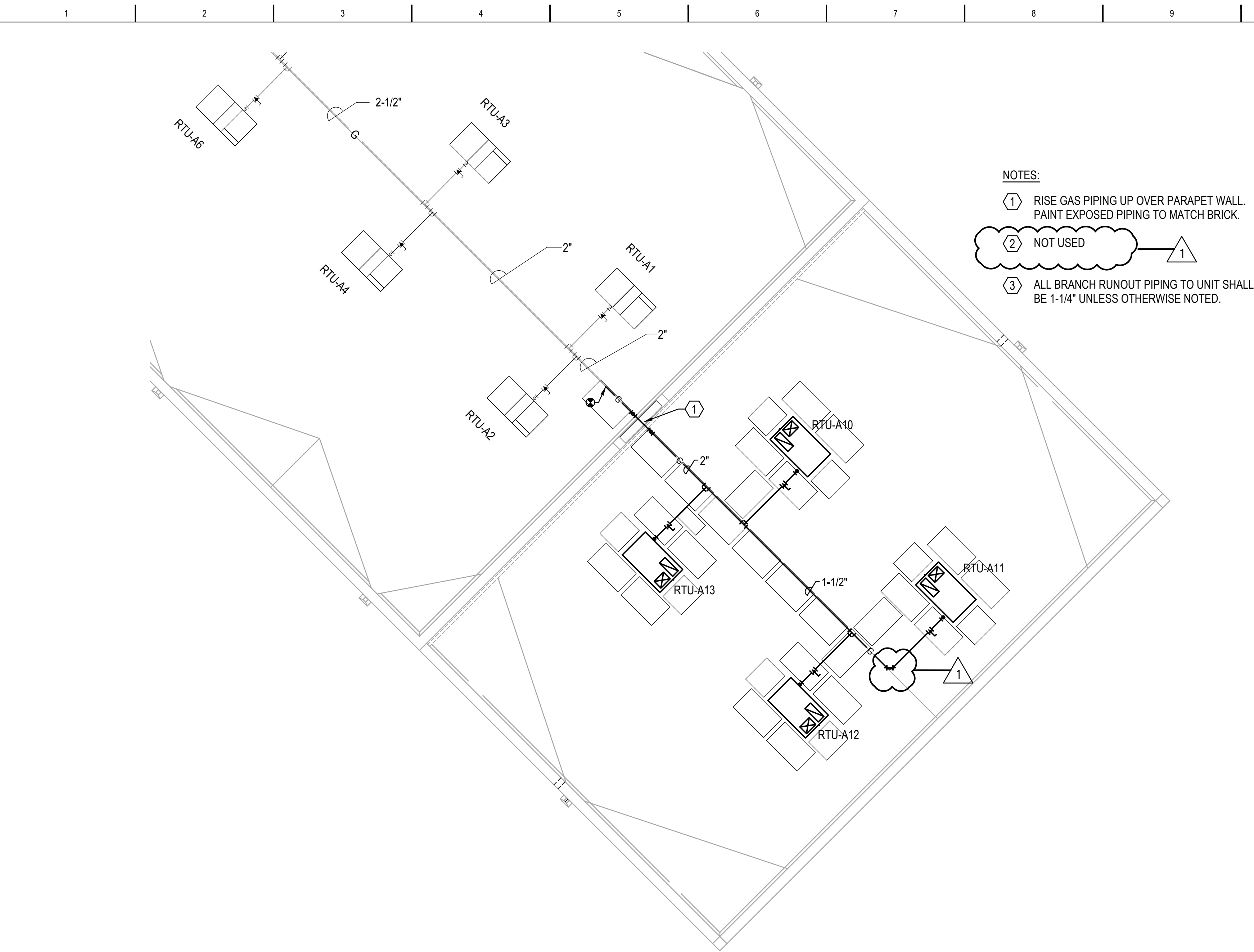
FLOOR PLAN - MECHANICAL

JOB NO: 62556
DATE: 12.06.16
DRAWN: RKD
CHECKED: RLT
CAD FILE: M1-1



LEWISBURG ELEMENTARY

M1.1

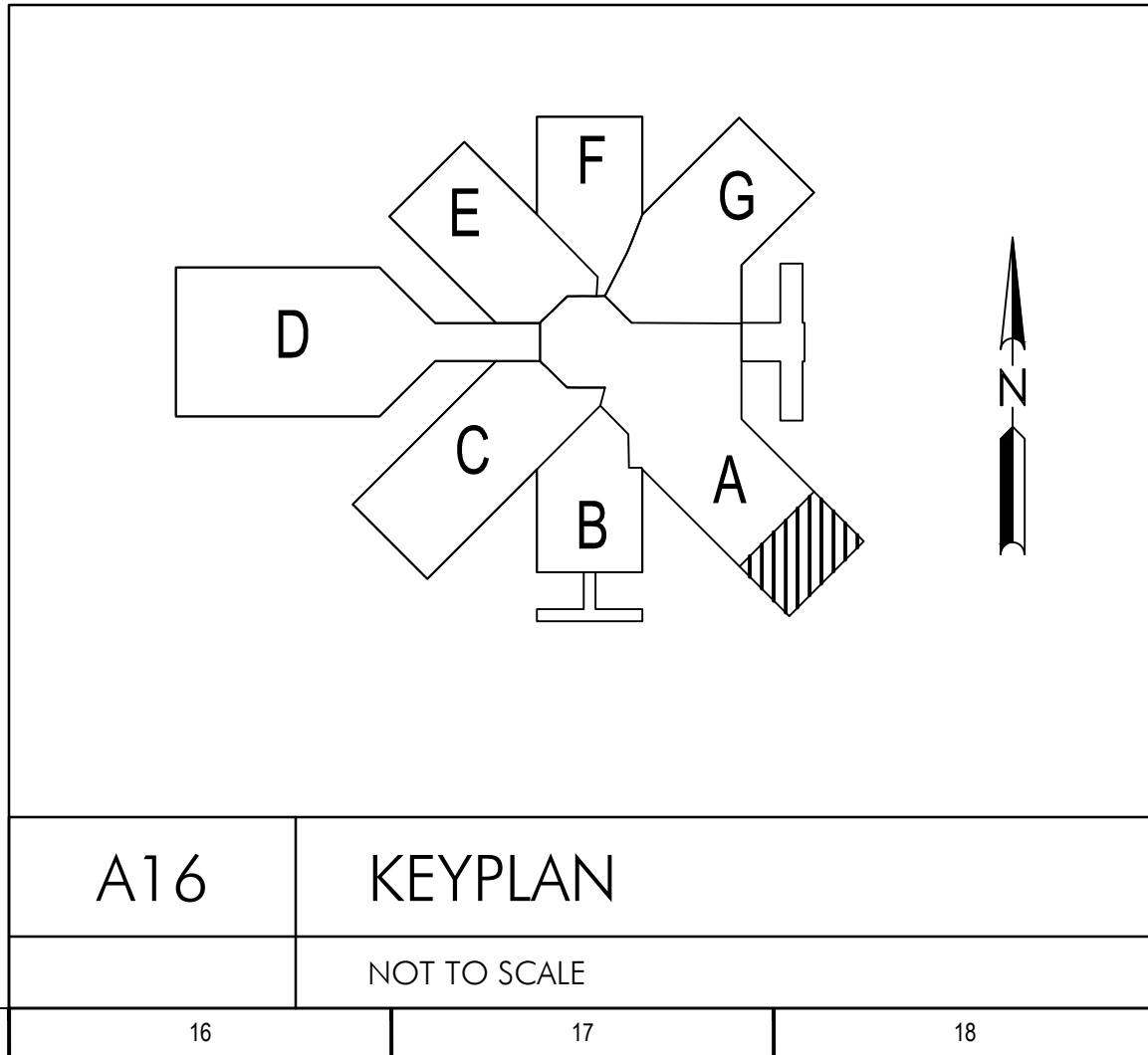


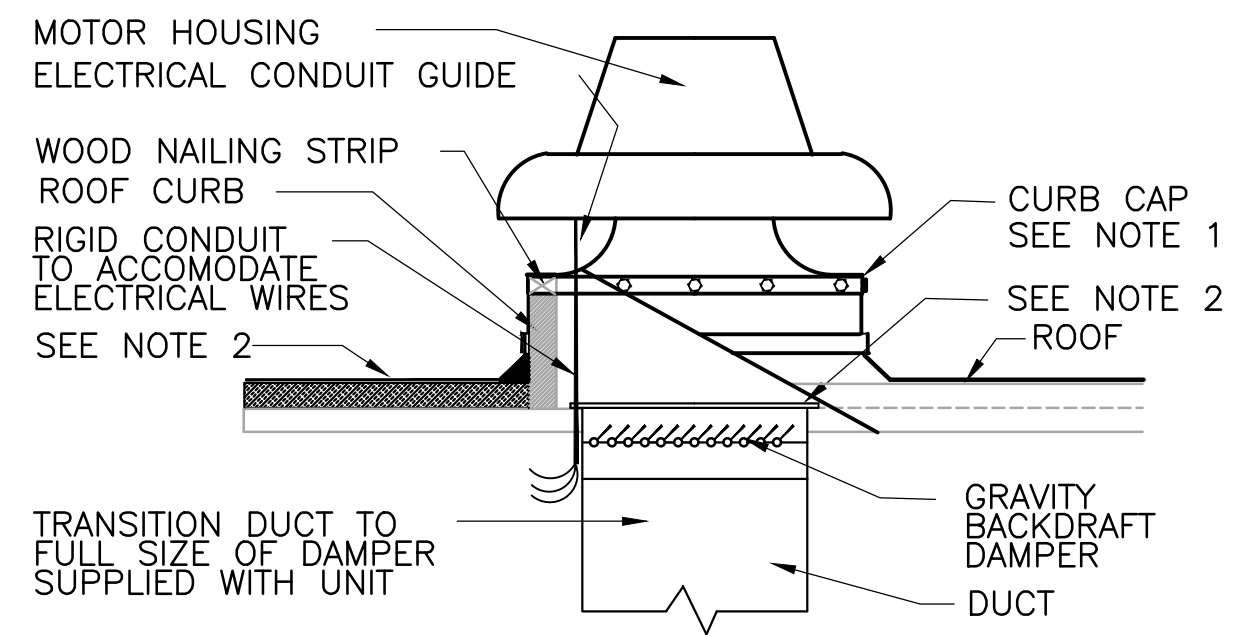
H1 ROOF PLAN - MECHANICAL

1/8"=1'-0"

H11 FLOOR PLAN - MECHANICAL

1/8"=1'-0"

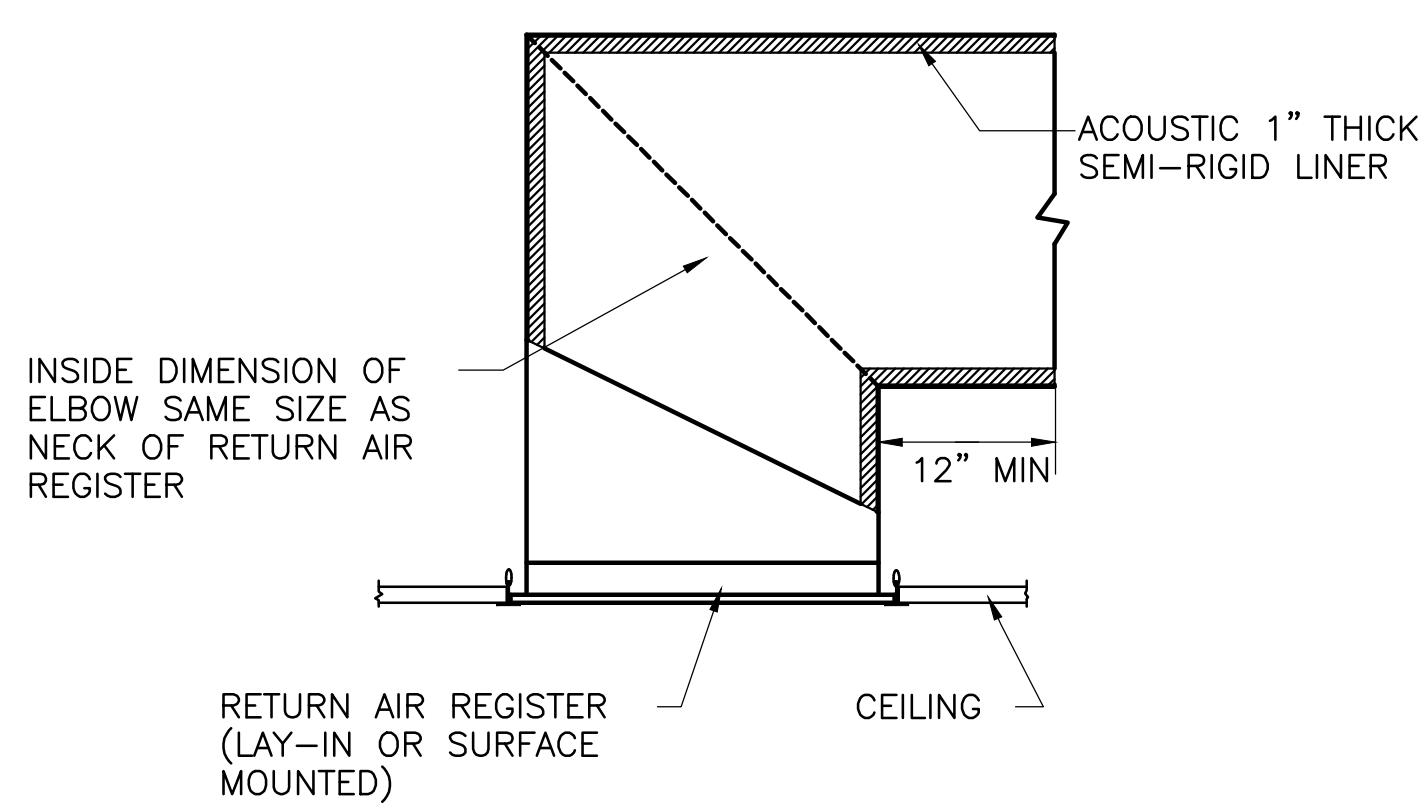




- NOTES:
1. SECURE CURB CAP TO WOOD NAILING STRIP WITH 3/8" CADMIUM PLATED LAG BOLTS NOT OVER 12" ON CENTER.
 2. SECURE ROOF CURB, DUCTWORK, AND DAMPER TO ROOF WITH EXPANSION BOLTS, (CONCRETE ROOF) OR RUST RESISTANT BOLTS (METAL DECK AND BAR JOIST ROOF)
 3. SIZE OF DUCT THROUGH ROOF SHALL NOT BE LARGER THAN CURB SUPPLIED WITH ROOF VENTILATOR.
 4. RUN ELECTRIC LINES THROUGH CLEARANCE HOLE PROVIDED IN GRAVITY DAMPER THEN THROUGH VENTILATOR ELECTRICAL CONDUIT GUIDE.

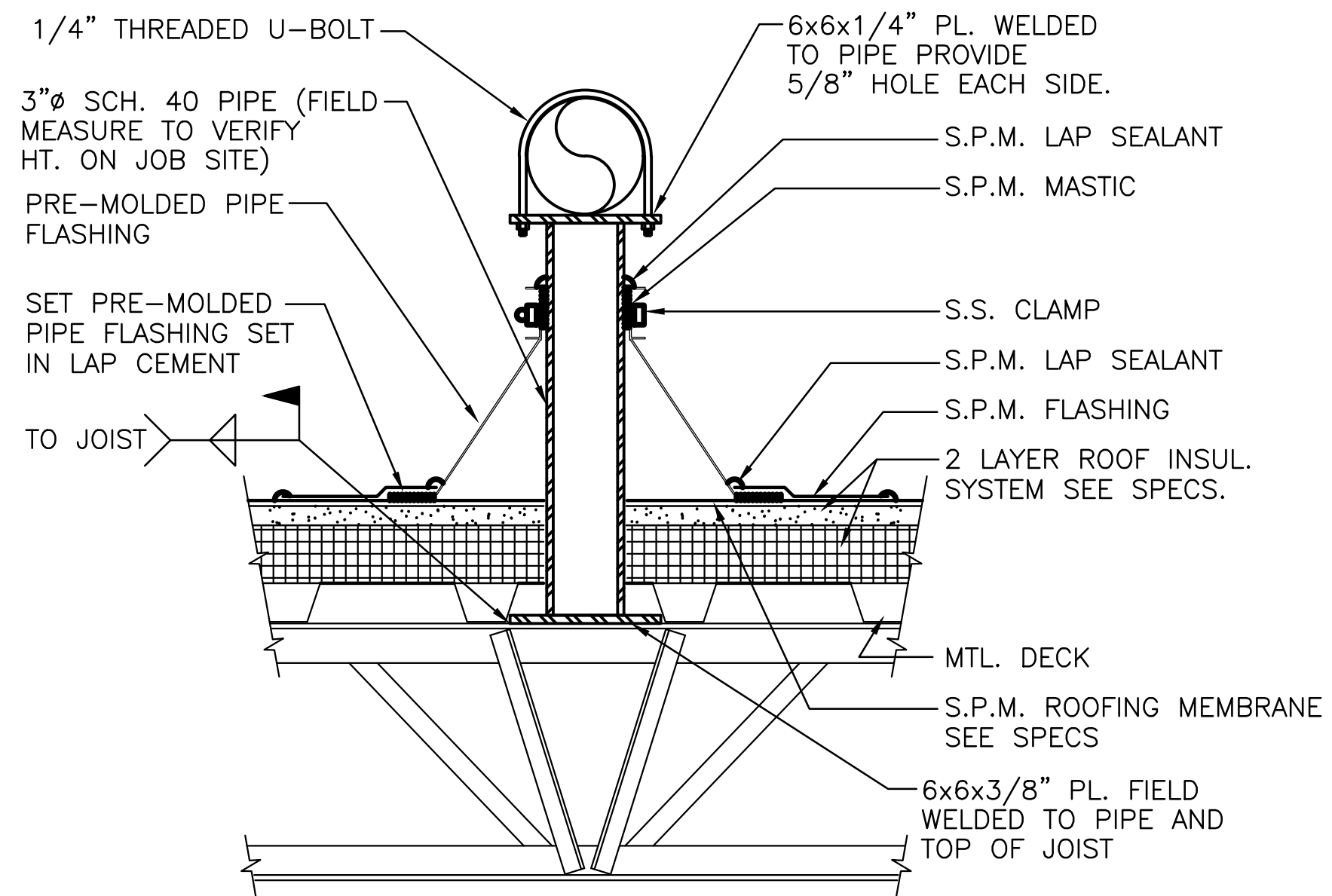
1 ROOF VENTILATOR DETAIL

NOT TO SCALE



2 RETURN AIR REGISTER W/ACOUSTIC ELBOW

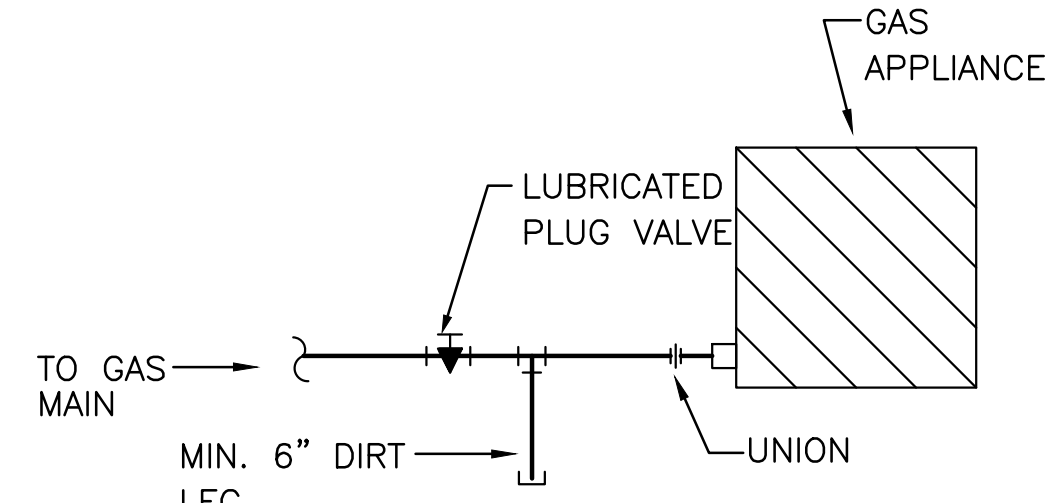
NOT TO SCALE



- COORDINATION NOTES:
1. MECHANICAL CONTRACTOR SHALL PROVIDE ROOF GAS PIPE SEISMIC BRACING AND SHALL COORDINATE LOCATIONS WITH JOIST SUPPLIER.
 2. JOIST SUPPLIER SHALL DESIGN JOISTS FOR 700 FT-LB OF MOMENT AT LOCATIONS OF SEISMIC BRACING.
 3. LOCATIONS OF SEISMIC BRACING SHALL BE COORDINATED WITH G.C. FOR ROOF FLASHING OF PIPE SUPPORTS.

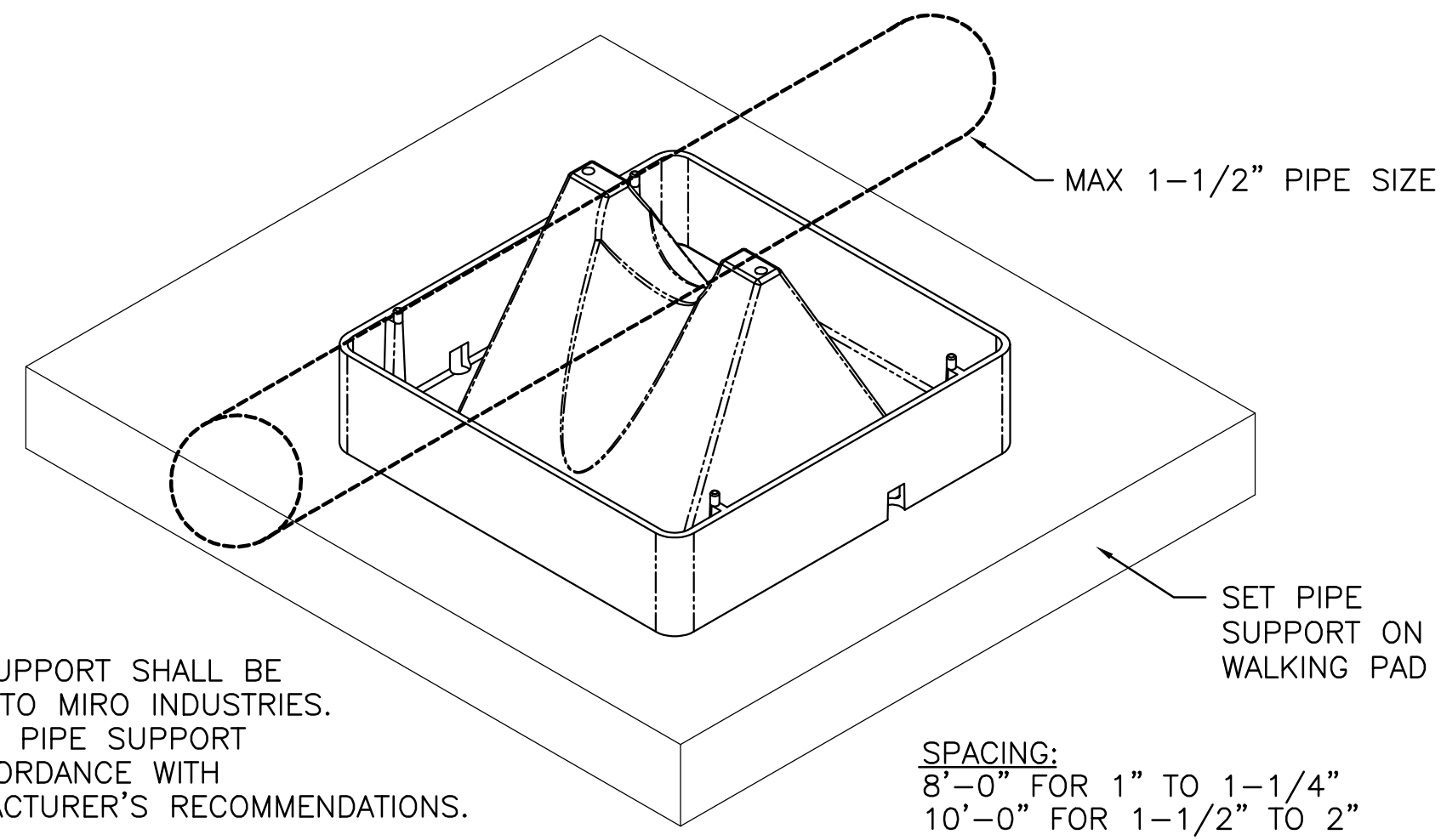
3 GAS PIPE SEISMIC SUPPORT ON ROOF DETAIL

NOT TO SCALE



4 GAS EQUIPMENT CONNECTION DETAIL

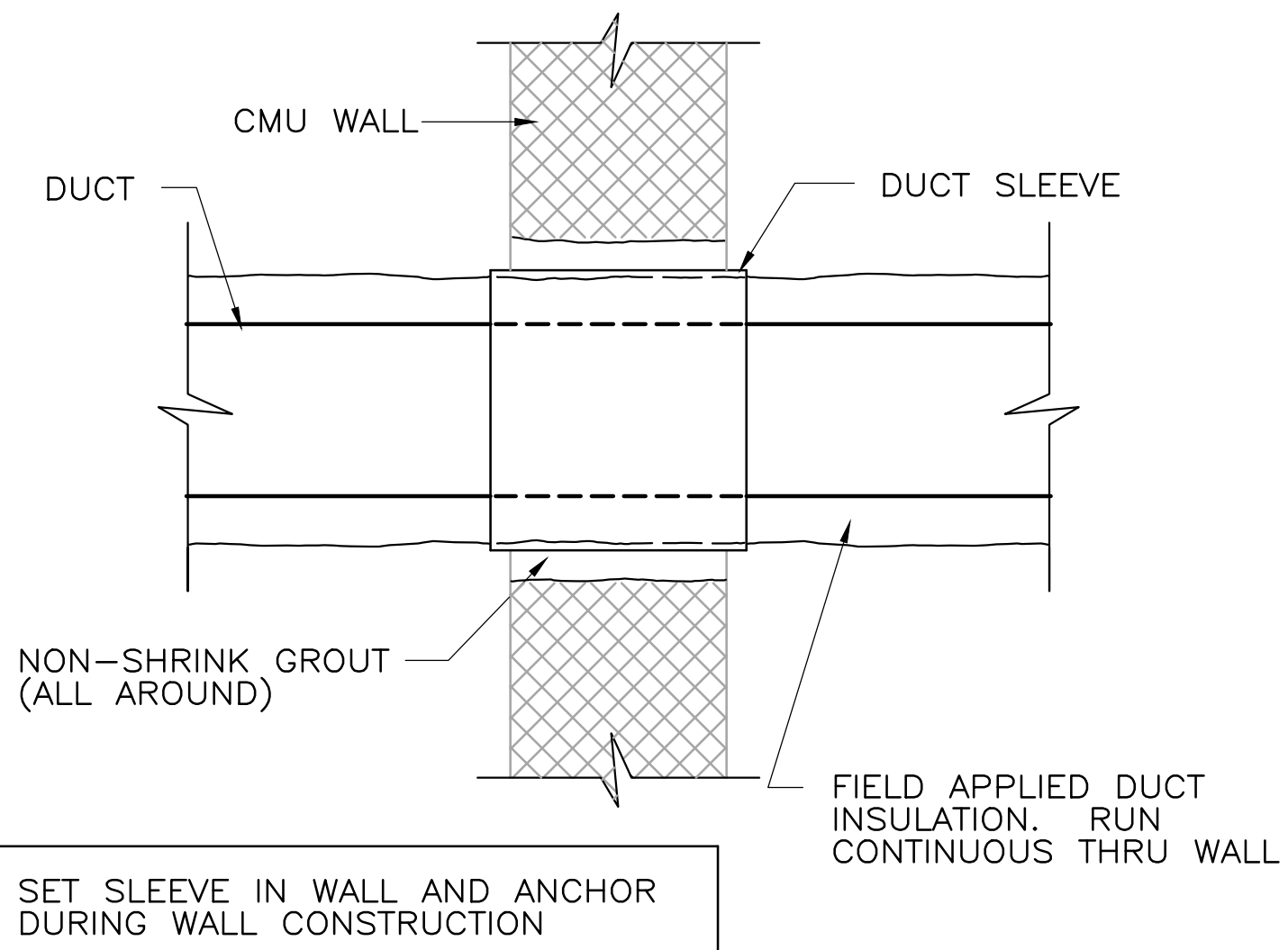
NOT TO SCALE



NOTE:
PIPE SUPPORT SHALL BE
EQUAL TO MIRO INDUSTRIES.
INSTALL PIPE SUPPORT
IN ACCORDANCE WITH
MANUFACTURER'S RECOMMENDATIONS.

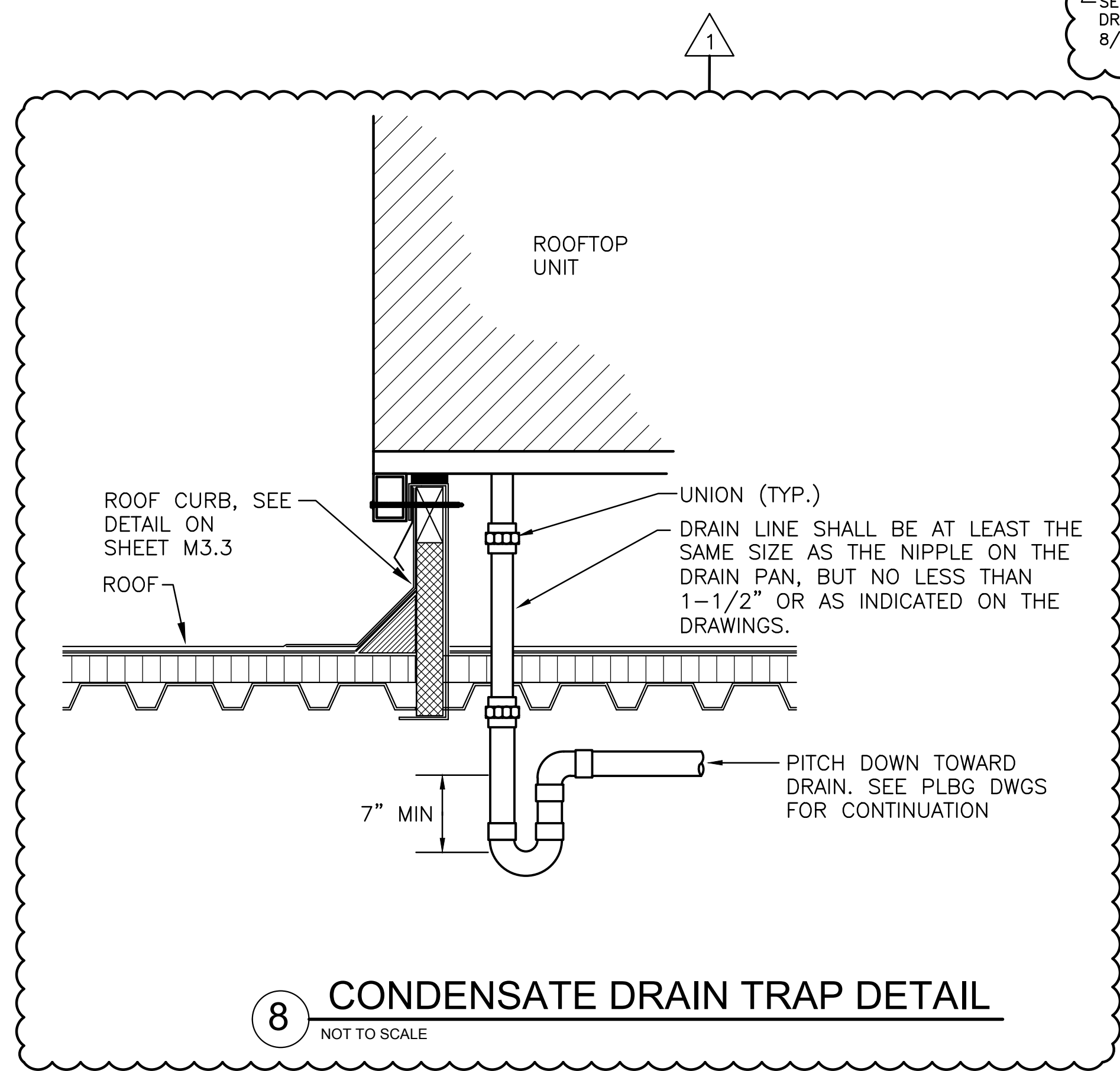
5 GAS PIPE SUPPORT ON ROOF DETAIL

NOT TO SCALE



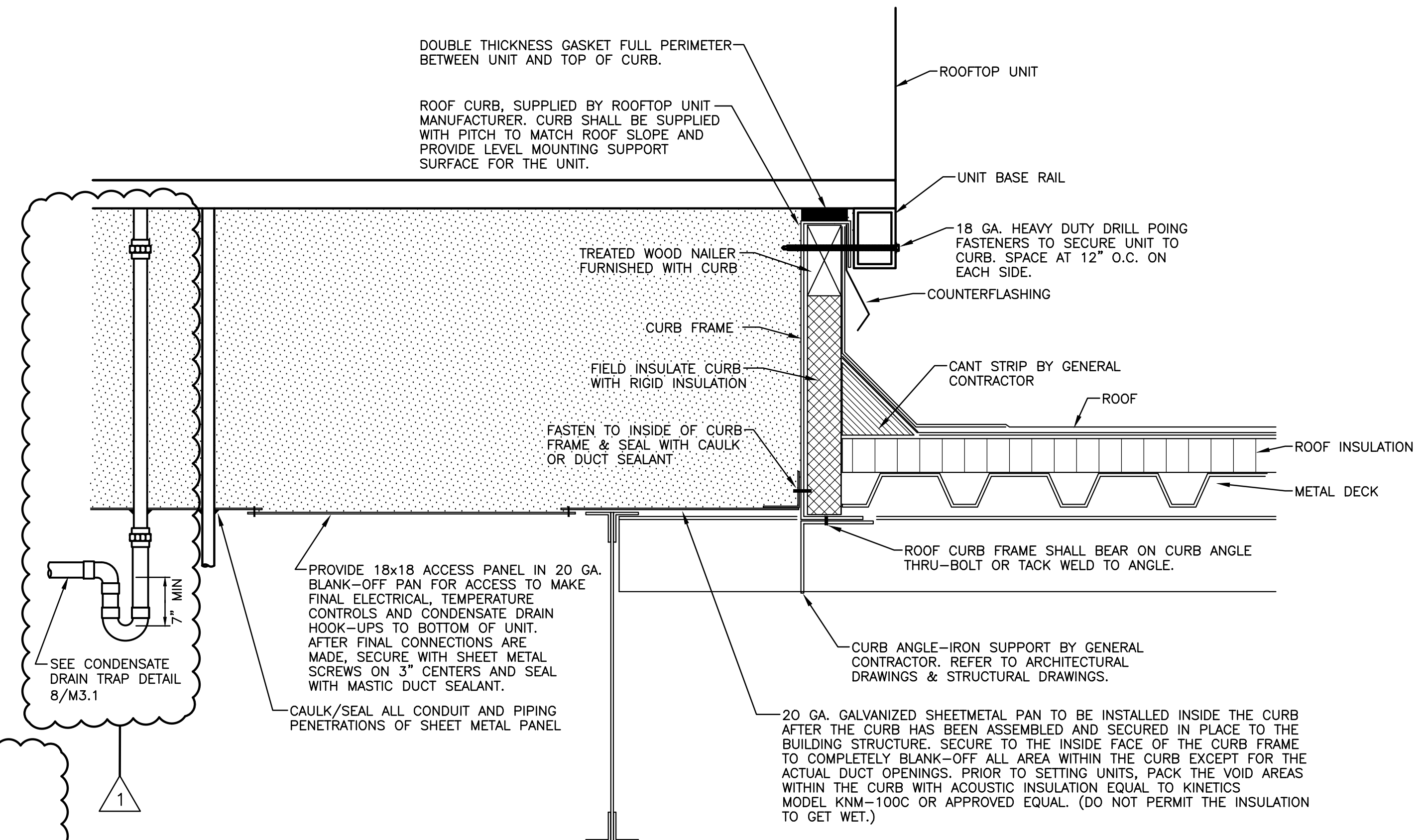
7 WALL PENETRATION - EXTERNALLY INSULATED DUCT

NOT TO SCALE



8 CONDENSATE DRAIN TRAP DETAIL

NOT TO SCALE



6 ROOF CURB & FLASHING DETAIL

NOT TO SCALE

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LEWISBURG ELEMENTARY SCHOOL

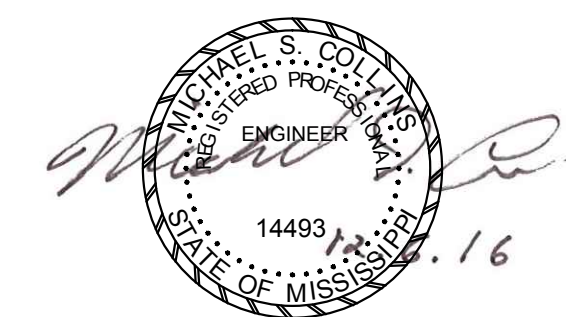
1717 Craft Road
Olive Branch, MS 38664

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

1	ADDENDUM NO. 1	1.12.17
No.	Revision	Date

FLOOR PLAN - POWER,
COMMUNICATIONS, AND FIRE ALARM
- ELECTRICAL

JOB NO: 62556
DATE: 12.06.16
DRAWN: JAB
CHECKED: MSC
CAD FILE: E3.1



LEWISBURG ELEMENTARY
E3.1

GENERAL NOTES:

- EXPAND EXISTING FIRE ALARM SYSTEM TO CONNECT NEW INITIATING, CONTROL, AND ANNUNCIATING DEVICES.
- DISCONNECTS ARE PROVIDED BY MECHANICAL AND SHALL BE CIRCUITED BY ELECTRICAL CONTRACTOR. COORDINATE WITH MECHANICAL.
- (3) 33s (TYPICAL FOR (4) LOCATIONS).
- PROVIDE GREY OUTLET BODY FOR OUTLETS ON PANEL "CA" (TYPICAL).
- REMOVE EXISTING WP. GFCI RECEPTACLE AND COVER PLATE. REPOSITION BOX TO BE FLUSH WITH NEW WALL FINISH. PROVIDE NEW DUPLEX RECEPTACLE AND COVER PLATE. CONNECT RECEPTACLE TO CIRCUIT "48 LA".
- EXTEND CIRCUIT "14 LA" FROM RE-PURPOSED OUTDOOR RECEPTACLE TO NEW RECEPTACLE ON NEW EXTERIOR END WALL (SEE REFERENCE NOTE #3).
- PROVIDE AN ARRAY OF J-HOOKS ABOVE CEILING OF CORRIDOR TO SUPPORT DATA CABLES AND OTHER LOW VOLTAGE CABLES. SPACE J-HOOKS PER CABLE MANUFACTURER STANDARDS. COORDINATE INSTALLATION WITH ALL TRADES.
- COORDINATE CEILING SPEAKERS WITH REFLECTED CEILING PLAN AND LIGHT FIXTURES.
- PROVIDE HBL4750B10GY SURFACE MOUNTED RACEWAY WITH COVER FROM CEILING DOWN TO WALL COMPONENT OF WALL MOUNTED EPSON EB-585WI PROJECTOR. FOR CONCEALING PROJECTOR CABLES. FIELD-CUT RACEWAY AS REQUIRED (APPROX. 12"). PAINT TO MATCH WALL.

REFERENCE NOTES:

- (3) 33s (TYPICAL FOR (4) LOCATIONS).
- PROVIDE GREY OUTLET BODY FOR OUTLETS ON PANEL "CA" (TYPICAL).
- REMOVE EXISTING WP. GFCI RECEPTACLE AND COVER PLATE. REPOSITION BOX TO BE FLUSH WITH NEW WALL FINISH. PROVIDE NEW DUPLEX RECEPTACLE AND COVER PLATE. CONNECT RECEPTACLE TO CIRCUIT "48 LA".
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- PROVIDE AN ARRAY OF J-HOOKS ABOVE CEILING OF CORRIDOR TO SUPPORT DATA CABLES AND OTHER LOW VOLTAGE CABLES. SPACE J-HOOKS PER CABLE MANUFACTURER STANDARDS. COORDINATE INSTALLATION WITH ALL TRADES.
- COORDINATE CEILING SPEAKERS WITH REFLECTED CEILING PLAN AND LIGHT FIXTURES.
- PROVIDE HBL4750B10GY SURFACE MOUNTED RACEWAY WITH COVER FROM CEILING DOWN TO WALL COMPONENT OF WALL MOUNTED EPSON EB-585WI PROJECTOR. FOR CONCEALING PROJECTOR CABLES. FIELD-CUT RACEWAY AS REQUIRED (APPROX. 12"). PAINT TO MATCH WALL.

CIRCUITS "a" AND "b" TO TWO SPARE 20A/1P BREAKERS IN PANEL "CA". RECORD CIRCUIT NUMBERS ON RECORD DRAWINGS AND UPDATE PANEL CIRCUIT DIRECTORY.

(SPARE BREAKERS)
68, 70 LA
RTU-A14
15.2A@460V
30-3
20A
PROVIDE NEW 40A/3P BREAKER IN PANEL "HA".
SEE DETAIL ON SHEET E0.1.

(TYPICAL ALL DATA OUTLETS AND WAPs)
D2
70
a

(SPARE BREAKERS)
68, 70 LA
RTU-A14
15.2A@460V
30-3
20A
PROVIDE NEW 40A/3P BREAKER IN PANEL "HA".
SEE DETAIL ON SHEET E0.1.

PROVIDE NEW 40A/3P BREAKER IN PANEL "HA".
SEE DETAIL ON SHEET E0.1.

RTU-A11
13.7A@460V
30-3
20A
WAP
72
98"

RTU-A12
13.7A@460V
30-3
20A
WAP
72
98"

RTU-A13
13.7A@460V
30-3
20A
WAP
72
98"

CONTRACTOR SHALL COORDINATE WITH DOOR HOLD HARDWARE SUPPLIER FOR ANY ROUGH-IN OR ELECTRICAL REQUIREMENTS.

(SPARE BREAKERS)
72, 74 LA

(3) 44s
68
70
a

(3) 44s
68
70
a

(3) 44s
68
70
a

(3) 44s
68
70
a

(3) 44s
68
70
a

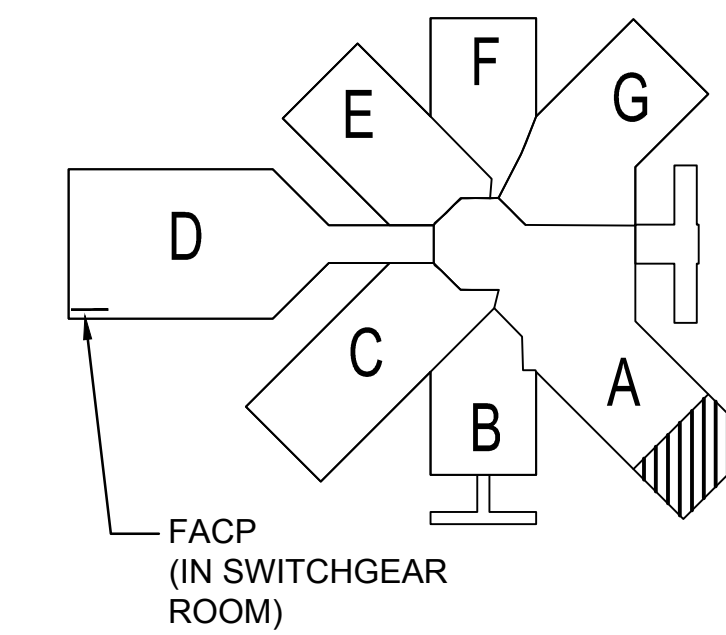
(3) 44s
68
70
a

(3) 44s
68
70
a

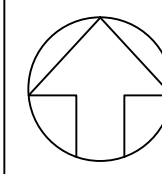
(3) 44s
68
70
a

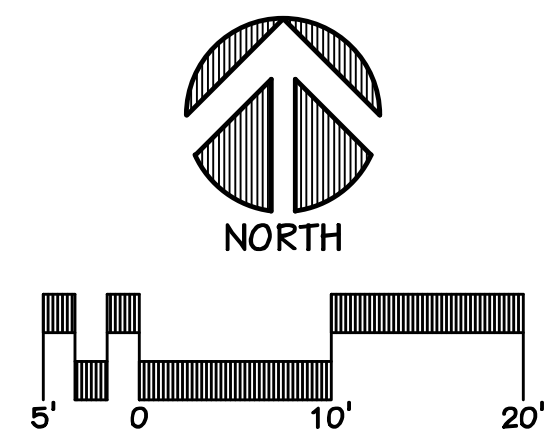
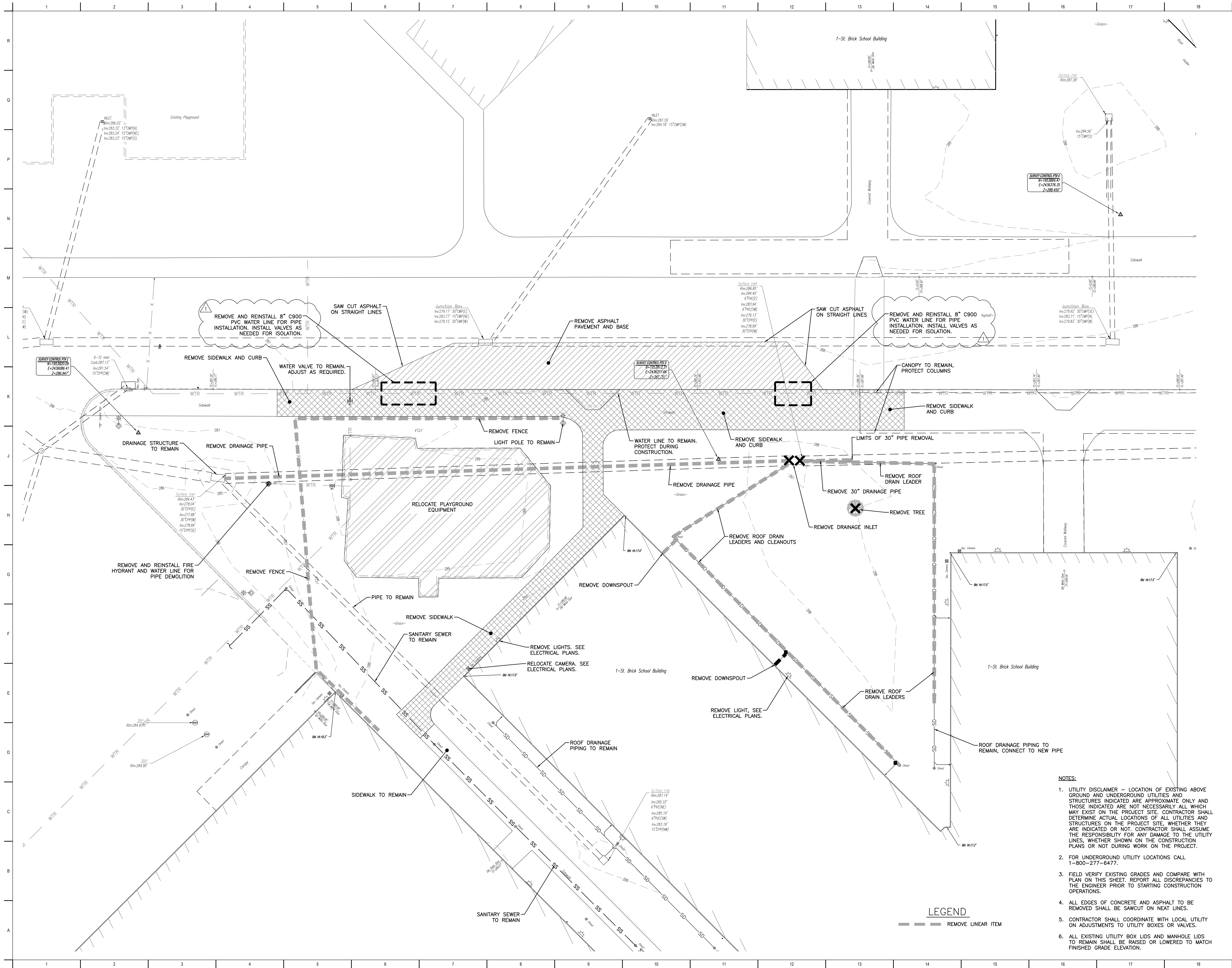
(3) 44s
68
70
a

(3) 44s
68
70
a



A16
KEYPLAN
NO SCALE





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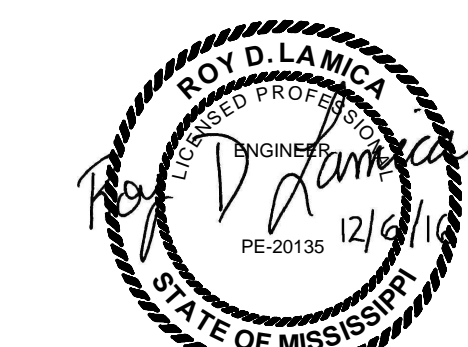
1707 Craft Road
Olive Branch, MS 38654

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

1	ADDENDUM #1	01.12.17
No.	Revision	Date

EXISTING CONDITIONS AND DEMOLITION PLAN

JOB NO: 62557
DATE: 12.06.16
DRAWN: IFW/
CHECKED: RDL
CAD FILE:



LEWISBURG PRIMARY
C0.1

NOTES:

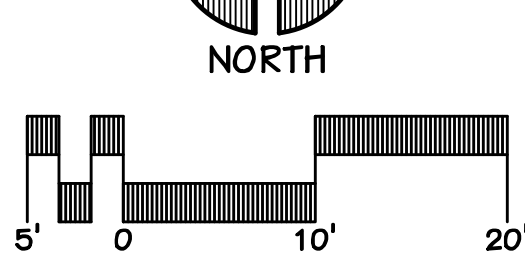
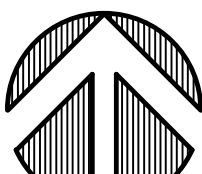
- UTILITY DISCLAIMER — LOCATION OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES AND STRUCTURES INDICATED ARE APPROXIMATE ONLY AND THOSE INDICATED ARE NOT NECESSARILY ALL WHICH MAY EXIST ON THE PROJECT SITE. CONTRACTOR SHALL DETERMINE ACTUAL LOCATIONS OF ALL UTILITIES AND STRUCTURES ON THE PROJECT SITE. WHETHER THEY ARE INDICATED OR NOT, CONTRACTOR SHALL ASSUME THE RESPONSIBILITY FOR ANY DAMAGE TO THE UTILITY LINES, WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT DURING WORK ON THE PROJECT.
- FOR UNDERGROUND UTILITY LOCATIONS CALL 1-800-277-6477.
- FIELD VERIFY EXISTING GRADES AND COMPARE WITH PLAN ON THIS SHEET. REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING CONSTRUCTION OPERATIONS.
- ALL EDGES OF CONCRETE AND ASPHALT TO BE REMOVED SHALL BE SAWCUT ON NEAT LINES.
- CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY ON ADJUSTMENTS TO UTILITY BOXES OR VALVES.
- ALL EXISTING UTILITY BOX LIDS AND MANHOLE LIDS TO REMAIN SHALL BE RAISED OR LOWERED TO MATCH FINISHED GRADE ELEVATION.

LEGEND

— — — REMOVE LINEAR ITEM

ABBREVIATIONS

FG	FINISHED GRADE
FFE	FINISHED FLOOR ELEV
TH	THRESHOLD
TW	TOP OF WALL
BW	BOTTOM OF WALL
TC	TOP OF CURB
BC	BOTTOM OF CURB
FL	FLOWLINE
RM	RIM
HP	HIGH POINT
LP	LOW POINT
TS	TOP OF STAIRS
BS	BOTTOM OF STAIRS



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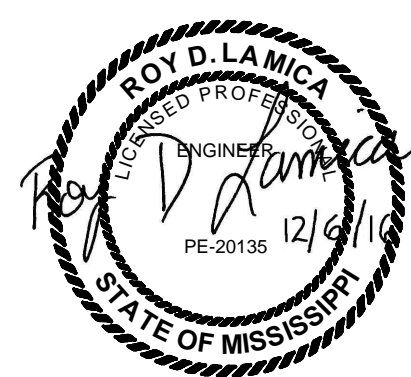
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Olive Branch, MS 38654

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

ADDENDUM #1
No. Revision Date

GRADING AND DRAINAGE PLAN

JOB NO: 62557
DATE: 12.06.16
DRAWN: IFW
CHECKED: RDL
CAD FILE:



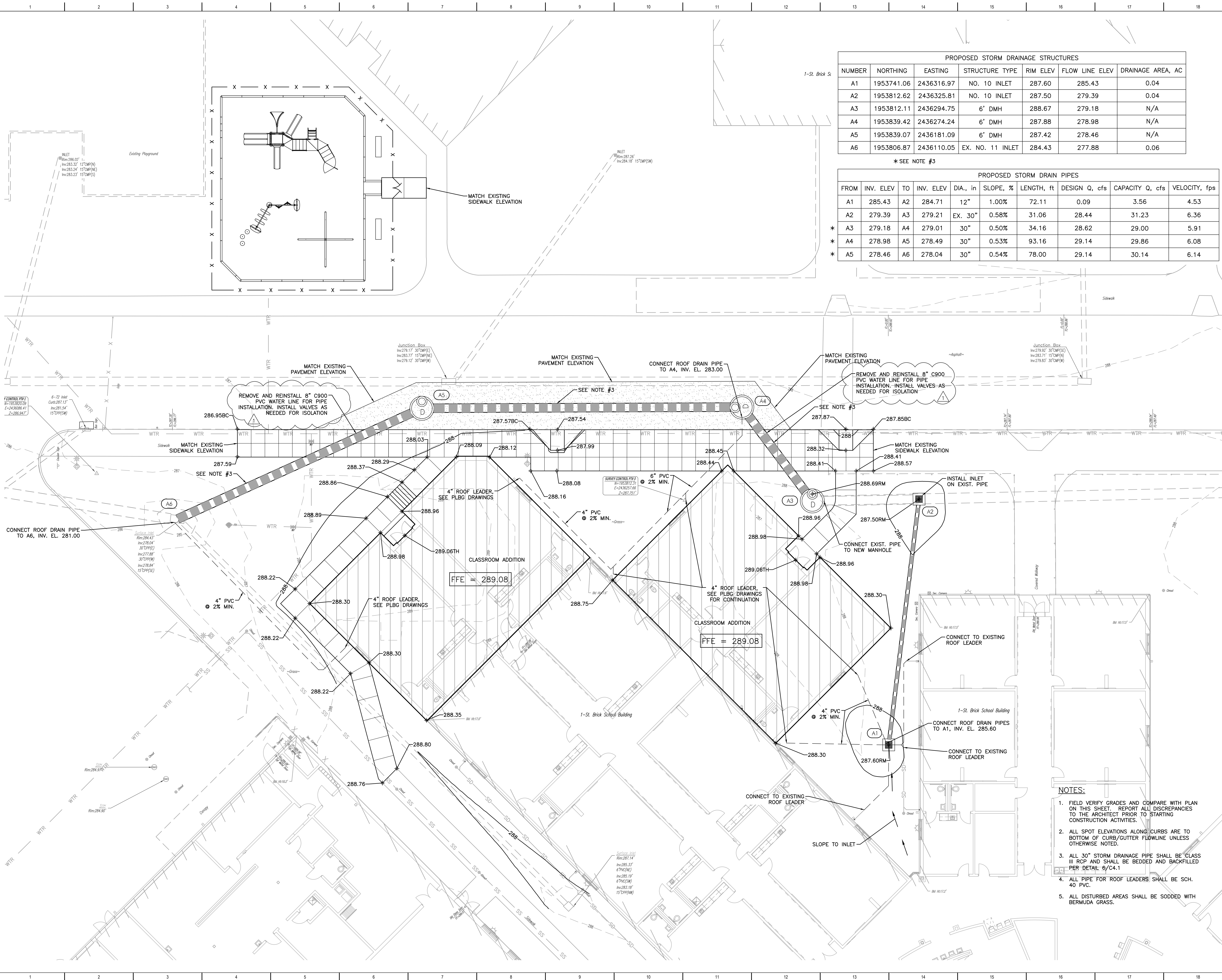
LEWISBURG PRIMARY

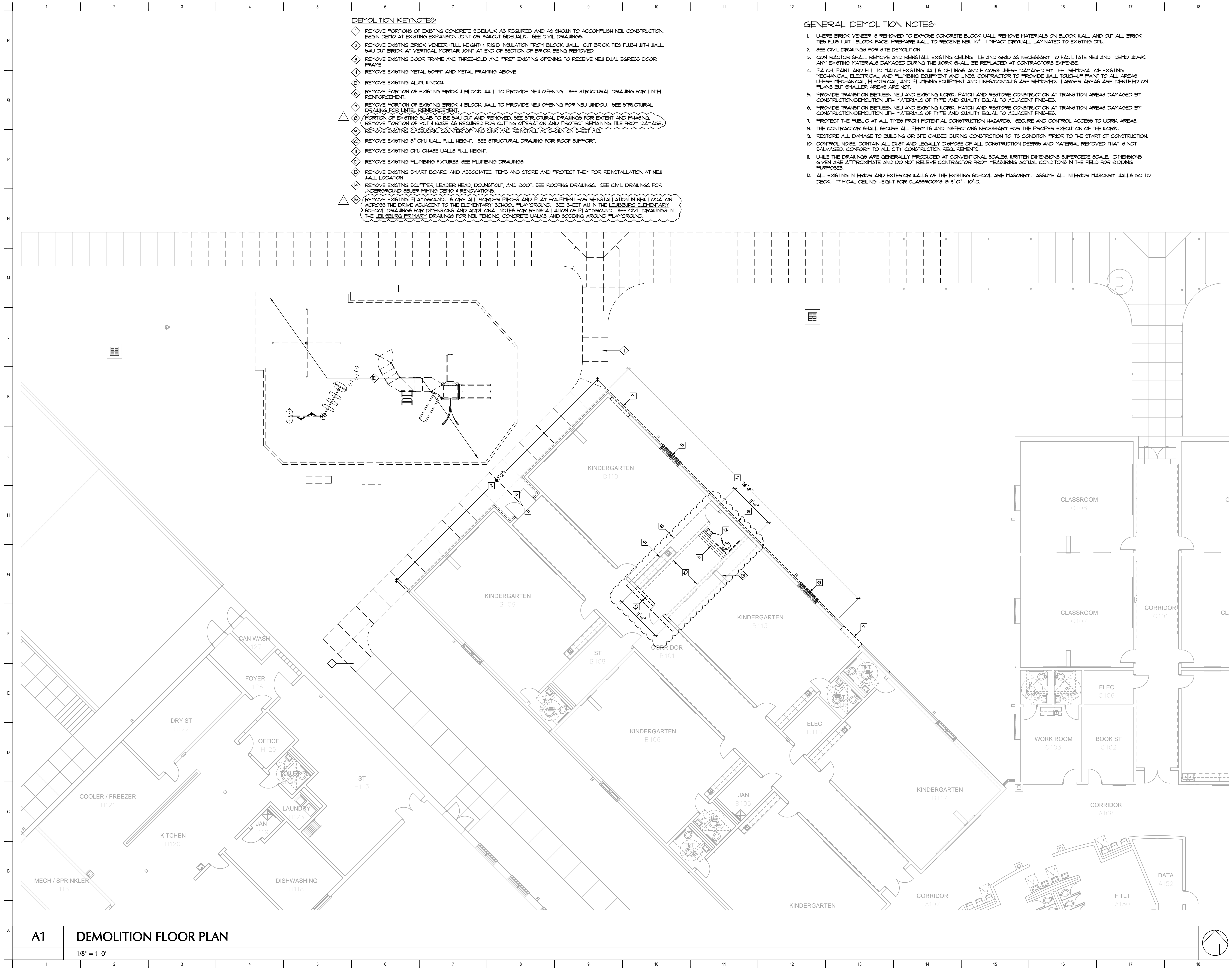
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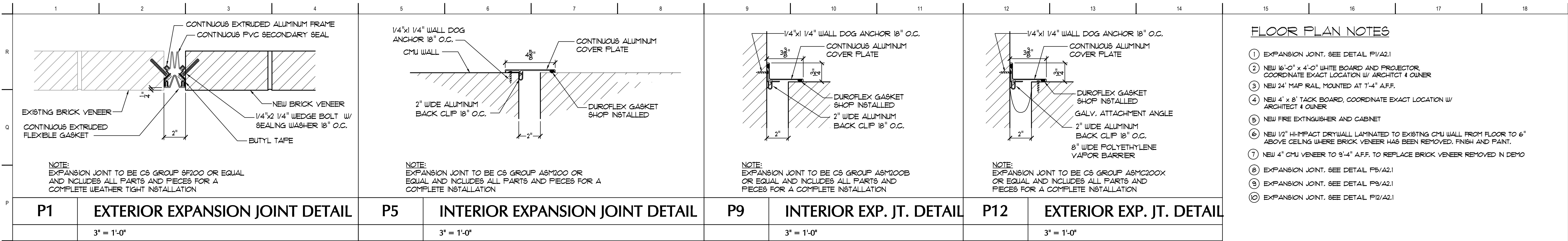
PROPOSED STORM DRAINAGE STRUCTURES						
NUMBER	NORTHING	EASTING	STRUCTURE TYPE	RIM ELEV	FLOW LINE ELEV	DRAINAGE AREA, AC
A1	1953741.06	2436316.97	NO. 10 INLET	287.60	285.43	0.04
A2	1953812.62	2436325.81	NO. 10 INLET	287.50	279.39	0.04
A3	1953812.11	2436294.75	6" DMH	288.67	279.18	N/A
A4	1953839.42	2436274.24	6" DMH	287.88	278.98	N/A
A5	1953839.07	2436181.09	6" DMH	287.42	278.46	N/A
A6	1953806.87	2436110.05	EX. NO. 11 INLET	284.43	277.88	0.06

* SEE NOTE #3

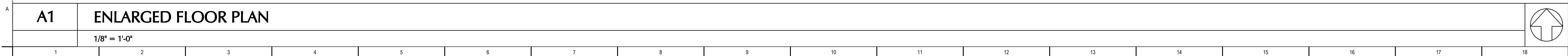
PROPOSED STORM DRAIN PIPES								
FROM	INV. ELEV	TO	INV. ELEV	DIA., in	SLOPE, %	LENGTH, ft	DESIGN Q, cfs	VELOCITY, fps
A1	285.43	A2	284.71	12"	1.00%	72.11	0.09	4.53
A2	279.39	A3	279.21	EX. 30"	0.58%	31.06	28.44	6.36
* A3	279.18	A4	279.01	30"	0.50%	34.16	28.62	5.91
* A4	278.98	A5	278.49	30"	0.53%	93.16	29.14	6.08
* A5	278.46	A6	278.04	30"	0.54%	78.00	29.14	6.14

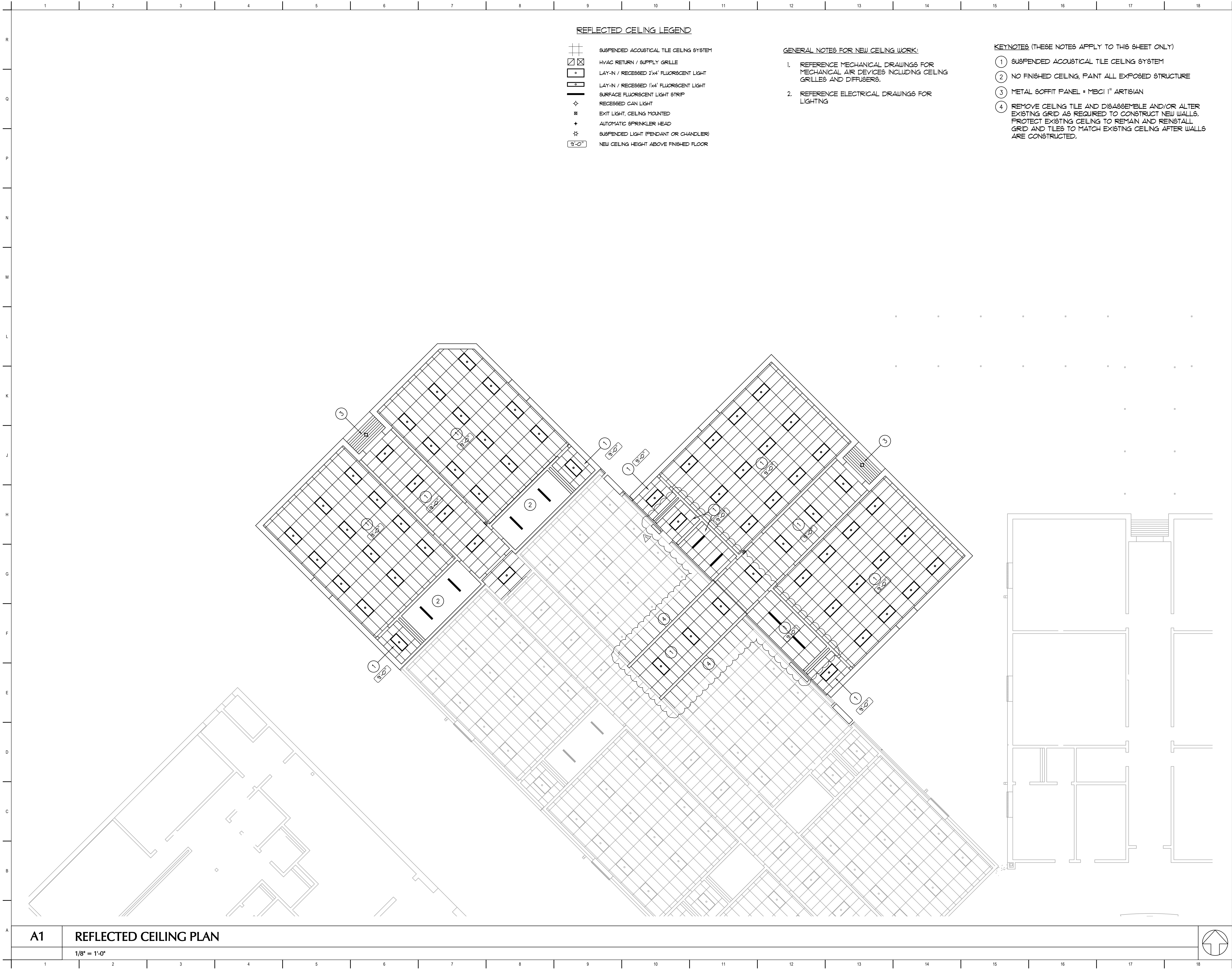






- FLOOR PLAN NOTES**
- ① EXPANSION JOINT. SEE DETAIL P1/A2.1
 - ② NEW 16'-0" x 4'-0" WHITE BOARD AND PROJECTOR. COORDINATE EXACT LOCATION W/ ARCHITCT 4 OWNER
 - ③ NEW 24" MAP RAIL, MOUNTED AT 7'-4" A.F.F.
 - ④ NEW 4' x 8' TACK BOARD, COORDINATE EXACT LOCATION W/ ARCHITECT 4 OWNER
 - ⑤ NEW FIRE EXTINGUISHER AND CABINET
 - ⑥ NEW 1/2" HI-IMPACT DRYWALL LAMINATED TO EXISTING CMU WALL FROM FLOOR TO 6" ABOVE CEILING WHERE BRICK VENEER HAS BEEN REMOVED. FINISH AND PAINT.
 - ⑦ NEW 4" CMU VENEER TO 9'-4" A.F.F. TO REPLACE BRICK VENEER REMOVED IN DEMO
 - ⑧ EXPANSION JOINT. SEE DETAIL P5/A2.1
 - ⑨ EXPANSION JOINT. SEE DETAIL P9/A2.1
 - ⑩ EXPANSION JOINT. SEE DETAIL P12/A2.1





REFLECTED CEILING LEGEND

- SUSPENDED ACOUSTICAL TILE CEILING SYSTEM
- HVAC RETURN / SUPPLY GRILLE
- LAY-IN / RECESSED 2'x4' FLUORESCENT LIGHT
- LAY-IN / RECESSED 1'x4' FLUORESCENT LIGHT
- SURFACE FLUORESCENT LIGHT STRIP
- RECESSED CAN LIGHT
- EXIT LIGHT, CEILING MOUNTED
- AUTOMATIC SPRINKLER HEAD
- SUSPENDED LIGHT (PENDANT OR CHANDLIER)
- NEW CEILING HEIGHT ABOVE FINISHED FLOOR

GENERAL NOTES FOR NEW CEILING WORK:

- REFERENCE MECHANICAL DRAWINGS FOR MECHANICAL AIR DEVICES INCLUDING CEILING GRILLES AND DIFFUSERS.
- REFERENCE ELECTRICAL DRAWINGS FOR LIGHTING

KEYNOTES (THESE NOTES APPLY TO THIS SHEET ONLY)

- SUSPENDED ACOUSTICAL TILE CEILING SYSTEM
- NO FINISHED CEILING, PAINT ALL EXPOSED STRUCTURE
- METAL SOFFIT PANEL = MBCI 1" ARTISIAN
- REMOVE CEILING TILE AND DISASSEMBLE AND/OR ALTER EXISTING GRID AS REQUIRED TO CONSTRUCT NEW WALLS. PROTECT EXISTING CEILING TO REMAIN AND REINSTALL GRID AND TILES TO MATCH EXISTING CEILING AFTER WALLS ARE CONSTRUCTED.

CLASSROOM ADDITION TO
LEWISBURG PRIMARY SCHOOL

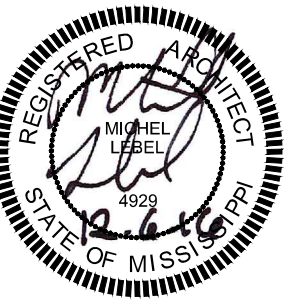
1707 Craft Road
Olive Branch, MS 38654

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

1	ADD. #1 - REVISED CEILING LAYOUT	01.12.17
No.	Revision	Date

REFLECTED CEILING PLAN

JOB NO: 62557
DATE: 12.06.16
DRAWN: NS
CHECKED: MHL
CAD FILE:



DOOR SCHEDULE

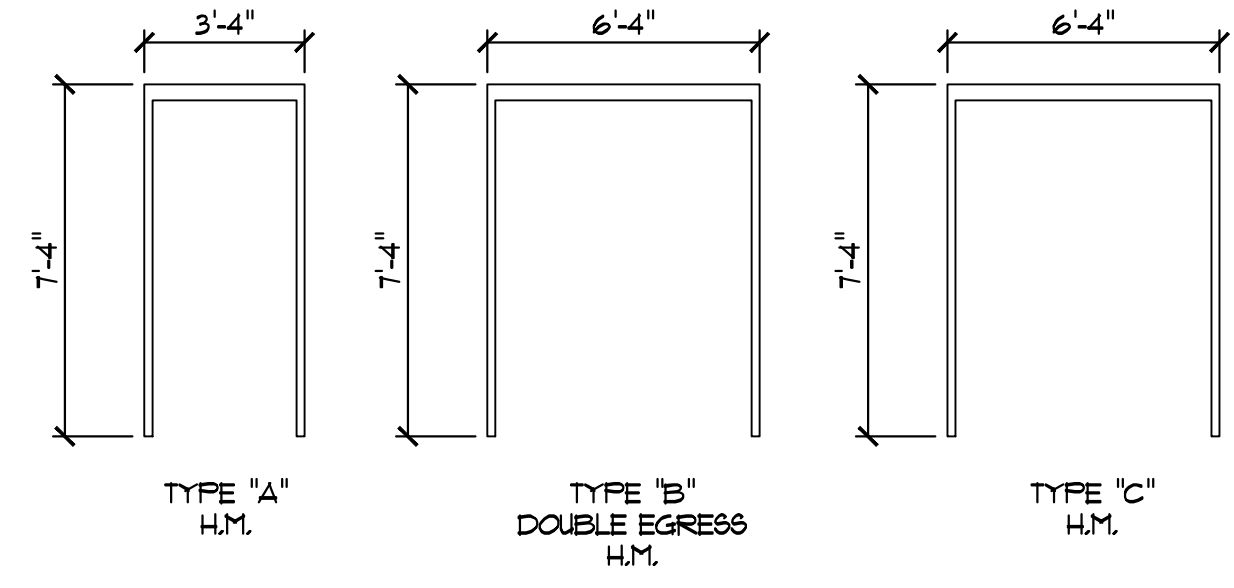
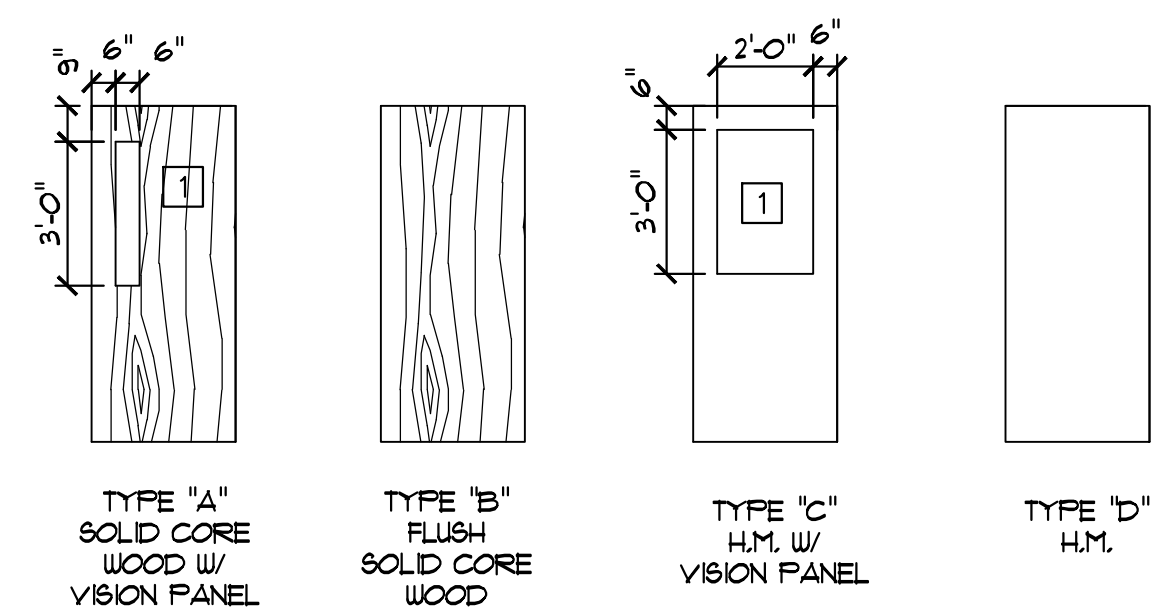
DR. NO.	SIZE	DOOR	FRAME	DR. MAT.	FR. MAT.	HEAD	JAMB	SILL	RATING	HDWARE	REMARKS
B111	3'-0" x 7'-0" x 1-3/4"	B	A	SCUD	H.M.	A11	E11			4	
B112	FR. 3'-0" x 7'-0" x 1-3/4"	C	C	H.M./GLASS	H.M.	J1	E1	A1		1	1
B118A	FR. 3'-0" x 7'-0" x 1-3/4"	D	B	H.M.	H.M.	J7	J7		90 MIN.	2	2
B118B	FR. 3'-0" x 7'-0" x 1-3/4"	D	B	H.M.	H.M.	J4	E4		90 MIN.	2	2
B119	FR. 3'-0" x 7'-0" x 1-3/4"	C	C	H.M./GLASS	H.M.	J1	E1	A1		1	1
B120	3'-0" x 7'-0" x 1-3/4"	B	A	SCUD	H.M.	A4	A7			4	
B121	3'-0" x 7'-0" x 1-3/4"	B	A	SCUD	H.M.	A4	A7			5	
B122	3'-0" x 7'-0" x 1-3/4"	A	A	SCUD/GLASS	H.M.	A4	A7			3	
B123	3'-0" x 7'-0" x 1-3/4"	A	A	SCUD/GLASS	H.M.	A4	A7			3	
B124	3'-0" x 7'-0" x 1-3/4"	B	A	SCUD	H.M.	A4	A7			4	
B125	3'-0" x 7'-0" x 1-3/4"	B	A	SCUD	H.M.	A4	A7			5	
B126	3'-0" x 7'-0" x 1-3/4"	B	A	SCUD	H.M.	A4	A7			5	
B127	3'-0" x 7'-0" x 1-3/4"	B	A	SCUD	H.M.	A4	A7			4	
B128	3'-0" x 7'-0" x 1-3/4"	A	A	SCUD/GLASS	H.M.	A4	A7			3	
B129	3'-0" x 7'-0" x 1-3/4"	A	A	SCUD/GLASS	H.M.	A4	A7			3	
B130	3'-0" x 7'-0" x 1-3/4"	B	A	SCUD	H.M.	A4	A7			5	
B131	3'-0" x 7'-0" x 1-3/4"	B	A	SCUD	H.M.	A4	A7			4	

NOTES:

- PROVIDE REMOVABLE MULLION. SEE HARDWARE SCHEDULE.
- DOUBLE EGRESS DOORS. PROVIDE ELECTRIFIED HOLD-OPEN/CLOSER INTER-CONNECTED TO FIRE ALARM TO RELEASE ON ALARM ACTIVATION. - SEE HARDWARE SCHEDULE.

GLAZING

- 1/4" CLEAR TEMPERED
- 1/4" WIRE



N11

DOOR TYPE

1/4" = 1'-0"

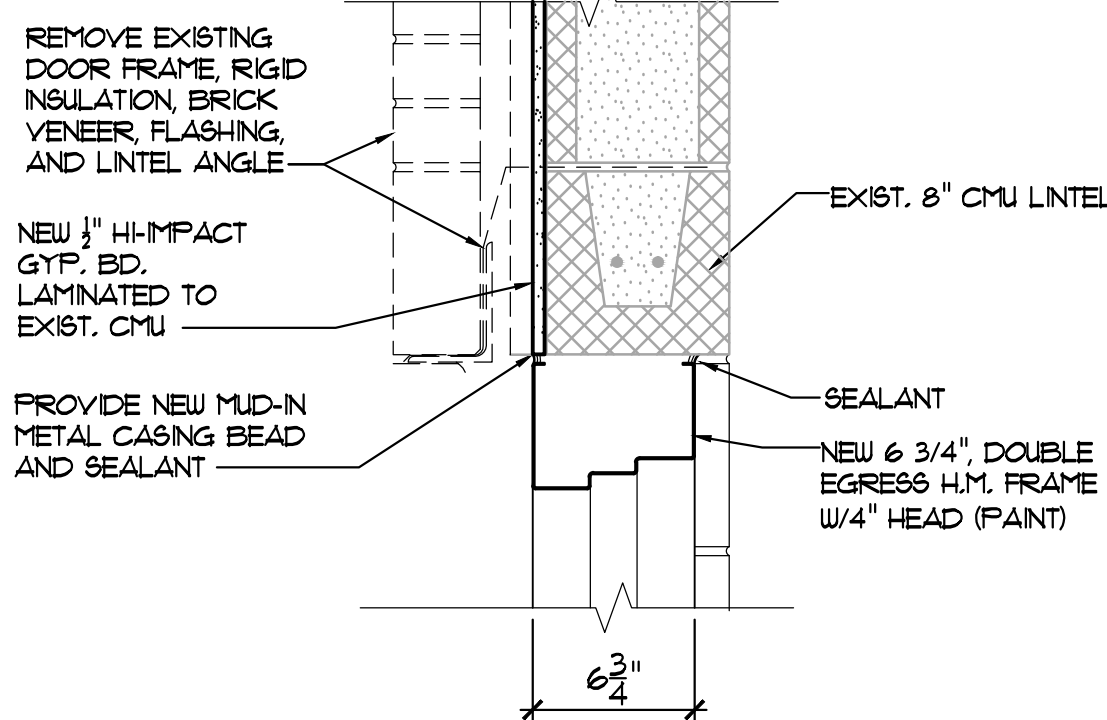
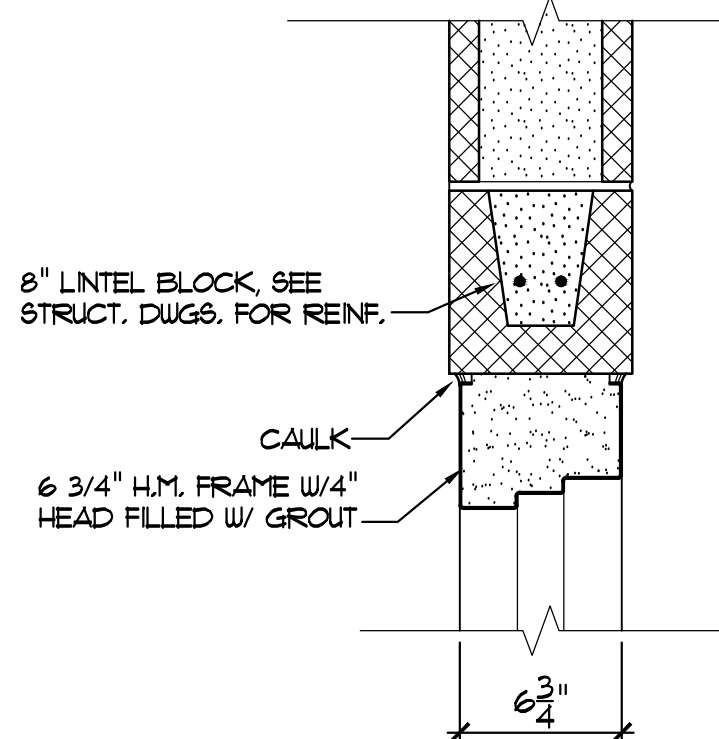
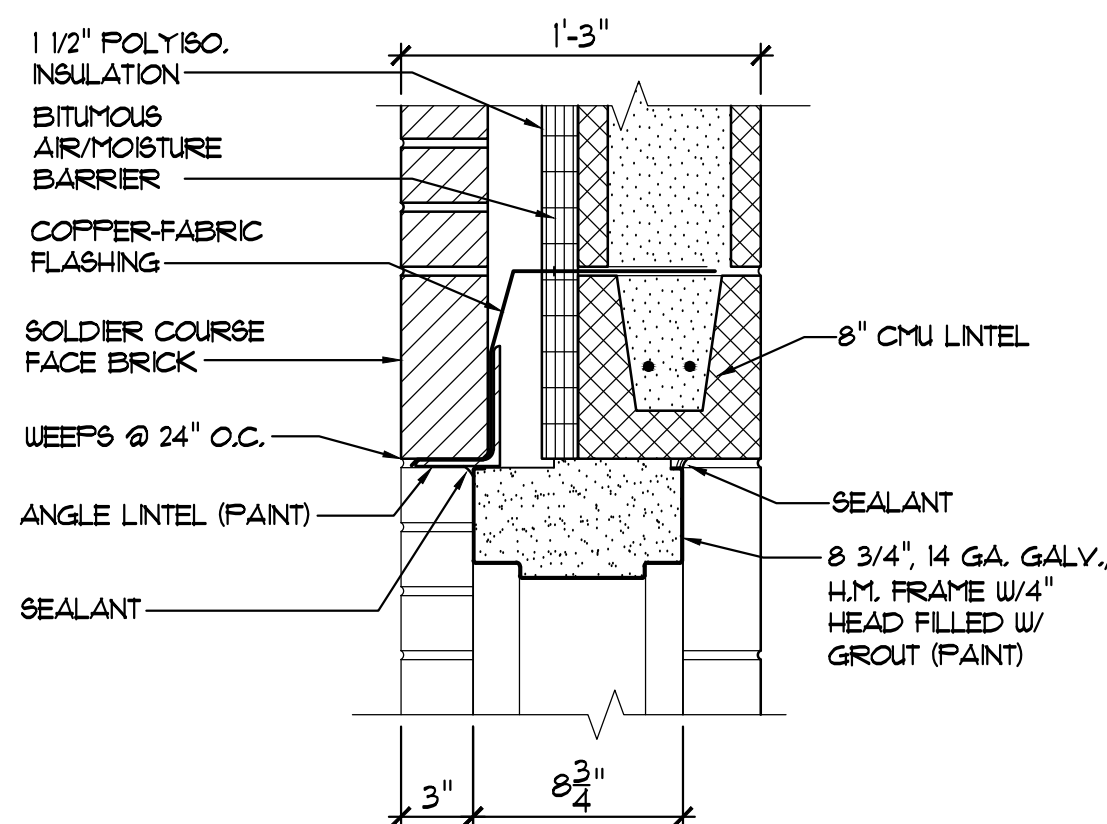
N15

DOOR FRAME ELEVATIONS

1/4" = 1'-0"

N1 DOOR SCHEDULE

NO SCALE



J1 DOOR HEAD

1 1/2" = 1'-0"

J4 DOOR HEAD

1 1/2" = 1'-0"

J7 DOOR JAMB

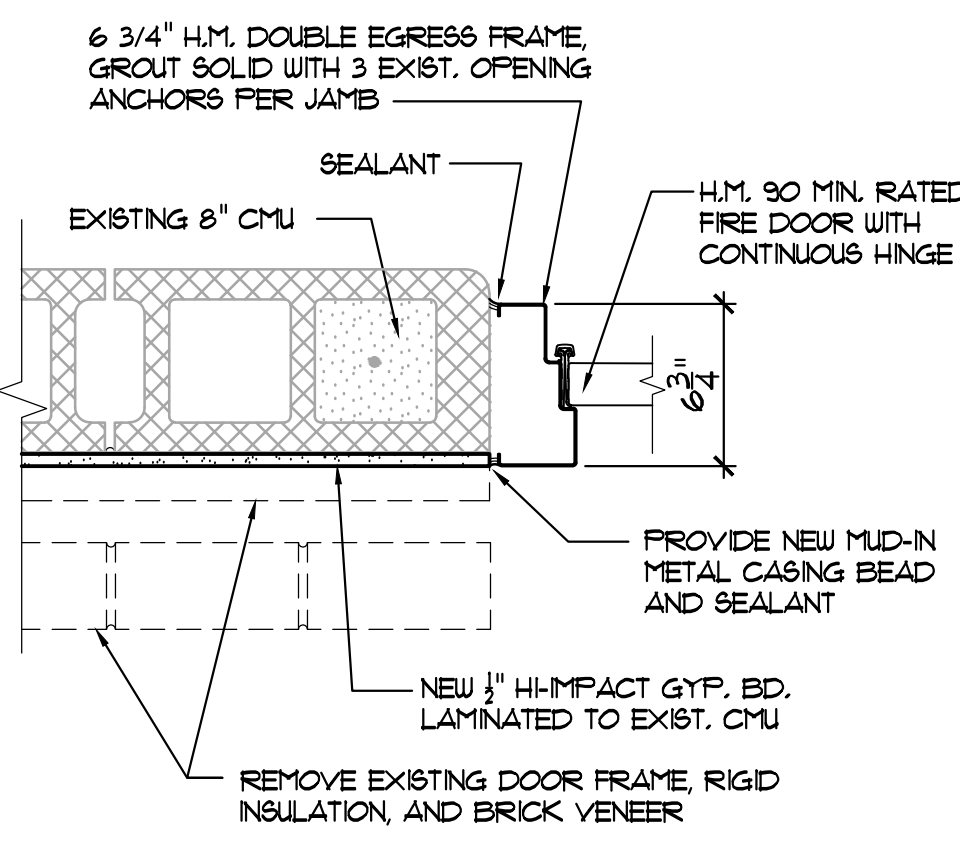
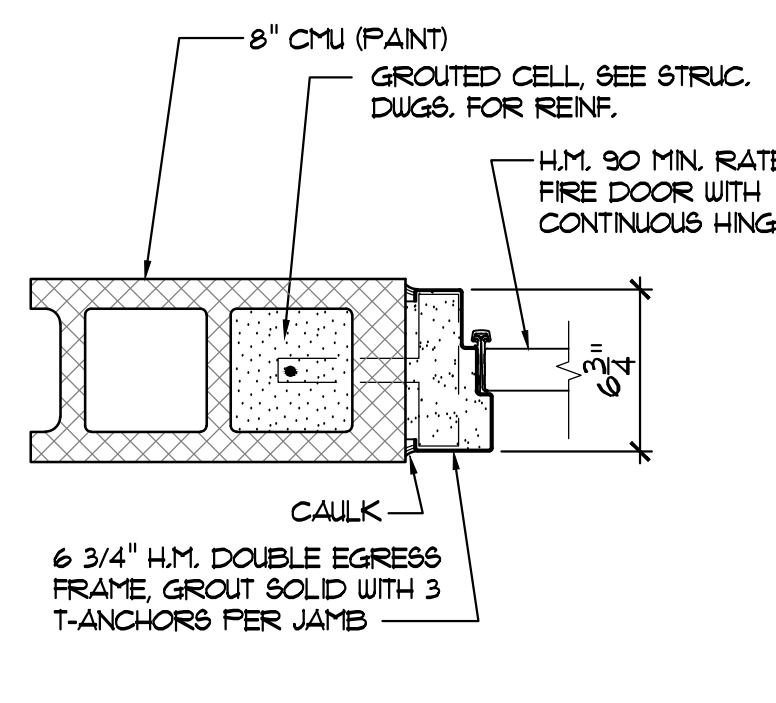
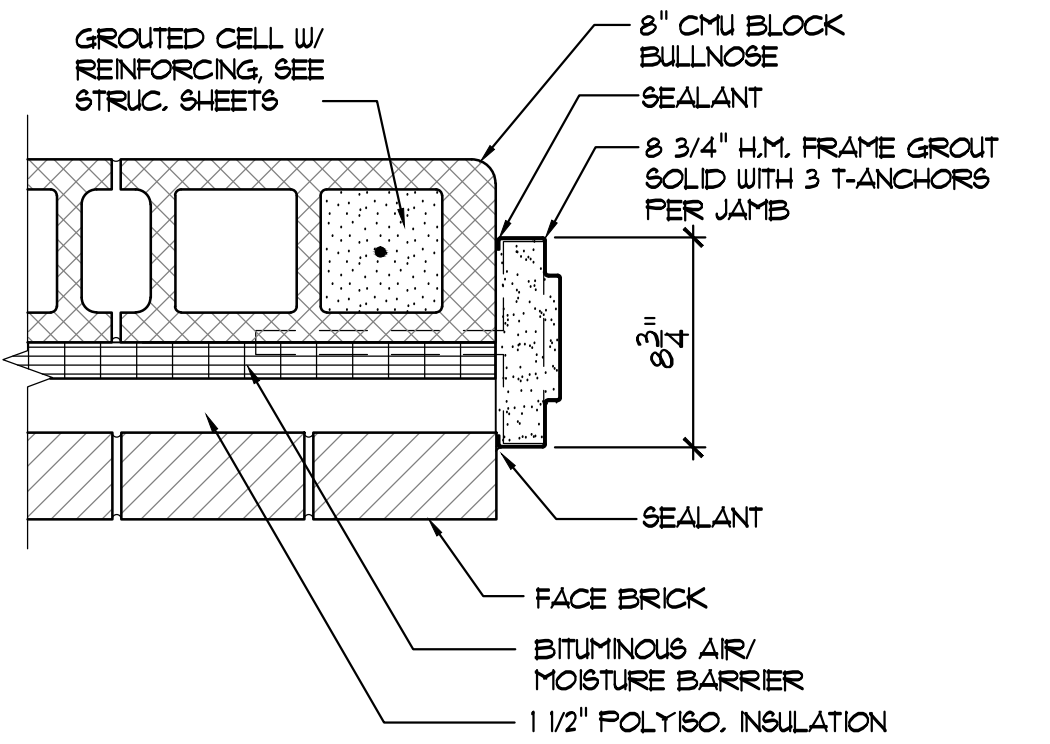
1 1/2" = 1'-0"

J11 WINDOW TYPES

1/4" = 1'-0"

J15 WINDOW HEAD DETAIL

1 1/2" = 1'-0"



E1 DOOR JAMB

1 1/2" = 1'-0"

E4 DOOR JAMB

1 1/2" = 1'-0"

E7 DOOR JAMB

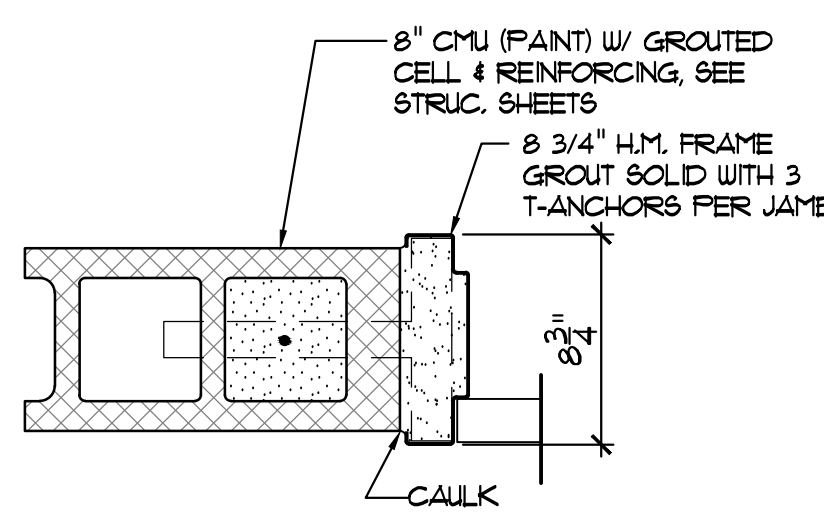
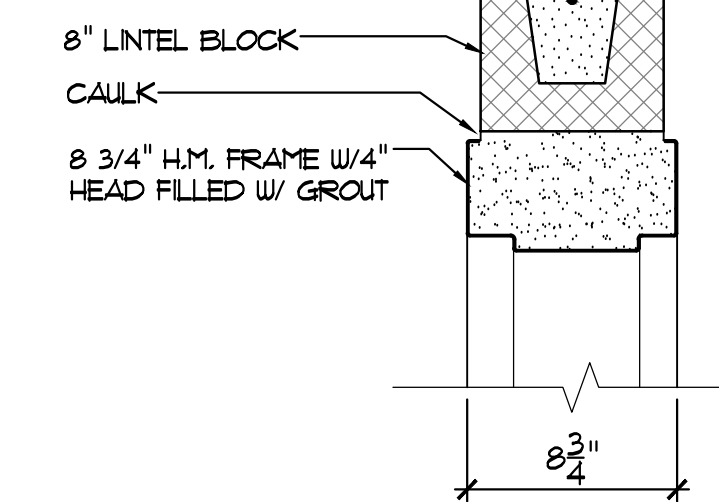
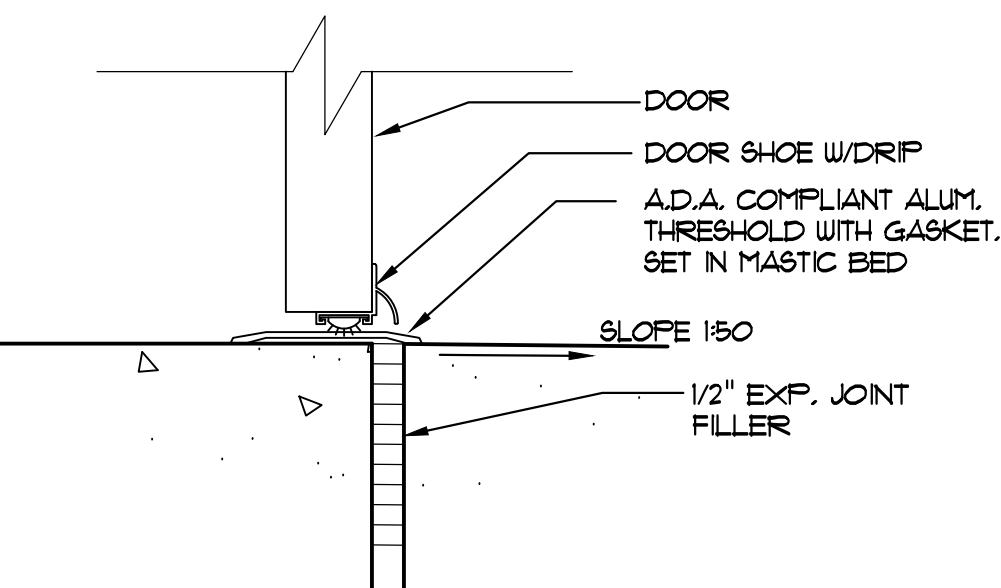
1 1/2" = 1'-0"

E11 DOOR HEAD

1 1/2" = 1'-0"

E15 WINDOW SILL DETAIL

1 1/2" = 1'-0"



A1 THRESHOLD

3" = 1'-0"

A4 DOOR HEAD

1 1/2" = 1'-0"

A7 DOOR JAMB

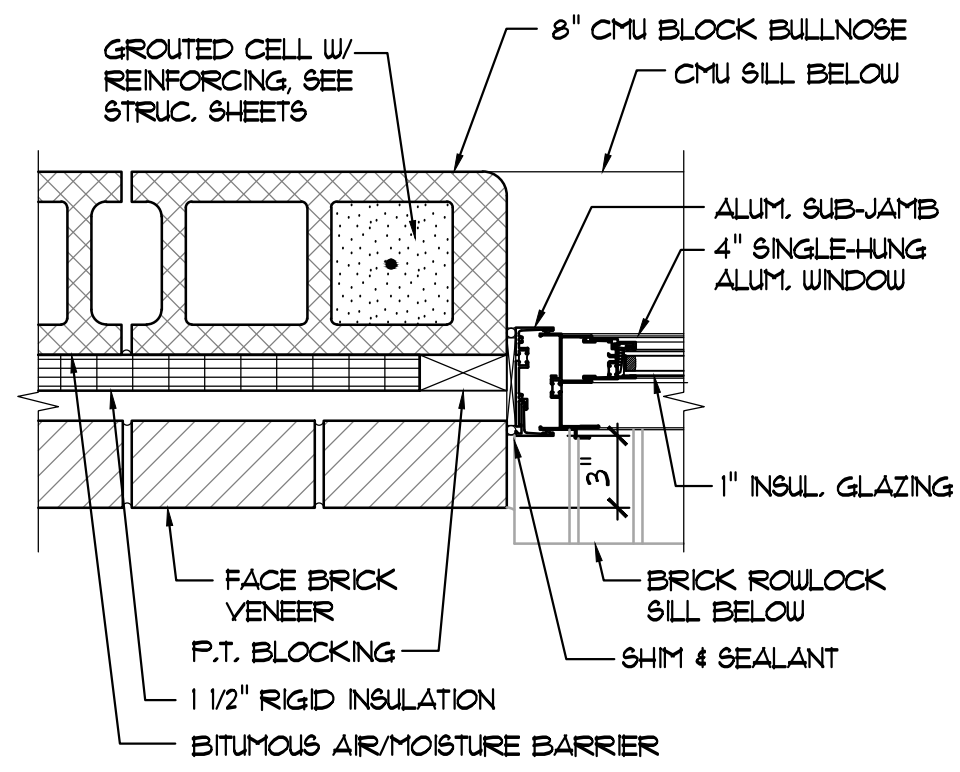
1 1/2" = 1'-0"

A11 DOOR JAMB

1 1/2" = 1'-0"

A15 WINDOW JAMB DETAIL

1 1/2" = 1'-0"



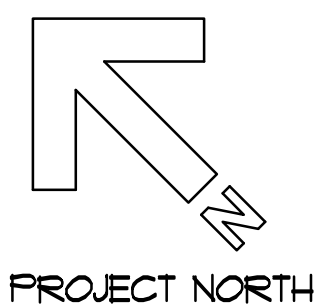
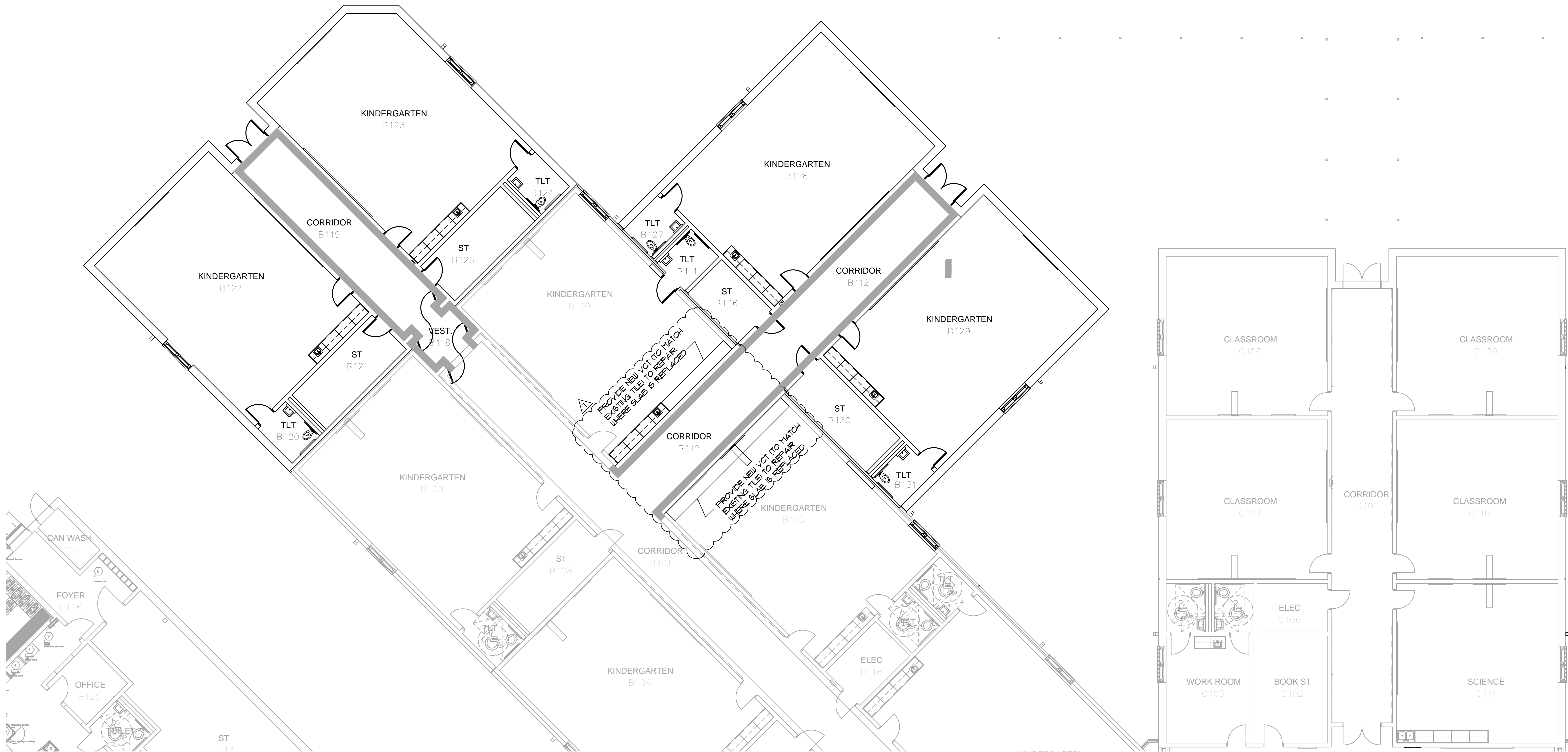
FINISH SCHEDULE										
No.	ROOM NAME	FLOOR	BASE	N. WALL	S. WALL	E. WALL	W. WALL	CEILING	HEIGHT	NOTES
B110	KINDERGARTEN (EXIST'G)	VCT (EXIST'G)	CTB	OUT/PT-2	OUT/PT-2	OUT/PT-2	OUT/PT-2	ACT	9'-0"	
B111	TOILET	CFT	PT-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B112	CORRIDOR	VCT-1 / VCT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B113	KINDERGARTEN (EXIST'G)	VCT (EXIST'G)	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B118	VESTIBULE	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B119	CORRIDOR	VCT-1 / VCT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B120	TOILET	CFT	CTB	OUT/PT-2	OUT/PT-2	OUT/PT-2	OUT/PT-2	ACT	9'-0"	
B121	STORAGE	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	NONE	VARES	PT-3 ON EXPOSED STRUCTURE
B122	KINDERGARTEN	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B123	KINDERGARTEN	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B124	TOILET	CFT	CTB	OUT/PT-2	OUT/PT-2	OUT/PT-2	OUT/PT-2	ACT	9'-0"	
B125	STORAGE	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	VARES	PT-3 ON EXPOSED STRUCTURE
B126	STORAGE	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B127	TOILET	CFT	CTB	OUT/PT-2	OUT/PT-2	OUT/PT-2	OUT/PT-2	ACT	9'-0"	
B128	KINDERGARTEN	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B129	KINDERGARTEN	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B130	STORAGE	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT	9'-0"	
B131	TOILET	CFT	CTB	OUT/PT-2	OUT/PT-2	OUT/PT-2	OUT/PT-2	ACT	9'-0"	

SCHEDULE NOTES:

FINISH MATERIALS LEGEND			
KEY	DESCRIPTION	MANUFACTURER	PRODUCT INFORMATION
VCT-1	VINYL COMPOSITION TILE	AZROCK	V-780 SUNBURST
VCT-2	VINYL COMPOSITION TILE	AZROCK	V-617 AMETHYST
CFT	CERAMIC FLOOR TILE	CROSSVILLE	CROSS TECH 12"x12" A300UP'S MICA, GROUT:LATICRETE 45 RAVEN
RB-1	4" RUBBER BASE	ARMSTRONG	12 SHADOW GRAY
CTB	CERAMIC TILE BASE	CROSSVILLE	CROSS TECH 6"x8" A300UP'S MICA, GROUT:LATICRETE 45 RAVEN
PT-1	PAINT - SATIN FINISH	BENJAMIN MOORE	INTENSE WHITE OC-51
PT-2	PAINT - SEMI GLOSS	BENJAMIN MOORE	INTENSE WHITE OC-51
PT-3	DRYFALL PAINT	SEE SPECS.	WHITE
PT-4	PAINT - SATIN FINISH	BENJAMIN MOORE	FIRE AND ICE 1992
CUT	CERAMIC WALL TILE	AMERICAN CLEAN	BRIGHT GLAZED CERAMIC, 25 ICE WHITE - 6" x 6", GROUT:LATICRETE 44 BRIGHT WHITE
ACT	ACOUSTICAL TILE	SEE SPECS.	2' x 4' SUSPENDED LATIN TILE 4 GRID

GENERAL FINISH NOTES
1. PAINT ALL H.M. FRAMES, INTERIOR H.M. DOORS, AND INTERIOR SIDE OF EXTERIOR DOORS AND FRAMES, BENJAMIN MOORE FIRE AND ICE 1992 SEMI-GLOSS

TILE TYPE: VCT-1: FIELD COLOR
V-780 SUNBURST
TILE TYPE: VCT-2: ACCENT COLOR
V-617 AMETHYST



A1 FLOOR TILE PATTERN

1/8"=1'-0"

Allen & Hoshall, P.L.L.C.
Michael Lebel, Architect
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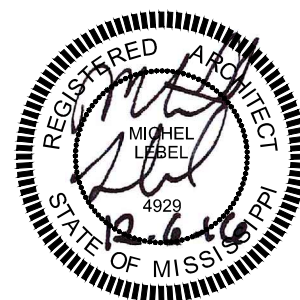
1707 Craft Road
Olive Branch, MS 38654

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

1 ADD.#1 - REVISED FINISH SCHEDULE 01.12.17
No. Revision Date

FINISH SCHEDULE AND DETAILS

JOB NO: 62557
DATE: 12.06.16
DRAWN: NS
CHECKED: MHL
CAD FILE:



LEWISBURG PRIMARY

A12.1



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engineers-architects-surveyors

Allen & Hoshall, P.L.L.C.
Michel Label, Architect
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CLASSROOM ADDITION TO
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SCHOOL

DESOTO COUNTY SCHOOL
BOARD
DESOTO COUNTY, MISSISSIPPI

1	ADD #1 - DETAIL REVISION	01/12/17
No.	Revision	Date

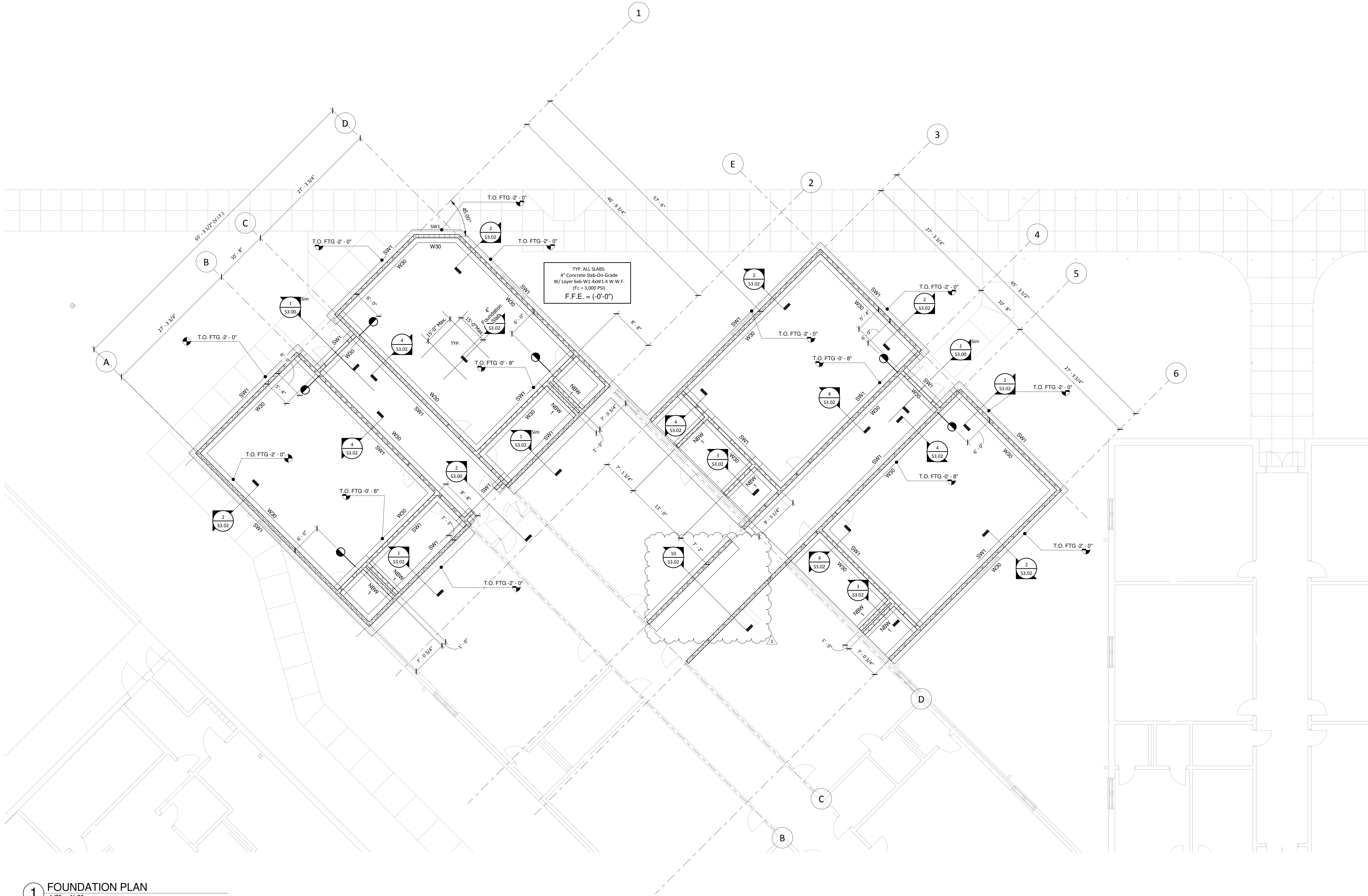
FOUNDATION PLAN

JOB NO: 62557
DATE: 12.06.16
DRAWN: TBH
CHECKED:
CAD FILE:



LEWISBURG PRIMARY

S2.00



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

PLAN NOTES:

- 4" SLAB ON GRADE W/ LAYER 6X6-W1.4X1.4 W.W.F. (F'C = 3000 PSI)
- 4" STONE SUB-BASE W/ 10 MIL. VAPER BARRIER
- FINISHED FLOOR ELEVATION = 0'-0" => 200'-0" M.S.L.) U.N.O. ON PLAN
- SEE S3.00 FOR GENERAL NOTES
- SEE S3.00/S3.01 FOR TYPICAL MASONRY WALL SECTIONS AND DETAILS
- SEE S4.00 SERIES FOR FRAMING DETAILS
- SEE SHEET S4.03 FOR ALL INFILLCUTOUT DETAILS WITH EXISTING STRUCTURE
- COORDINATE & VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS & EXISTING BUILDING DIMENSIONS
- FOOTING STEPS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. CONTRACTOR TO STEP FOOTINGS AS REQUIRED.





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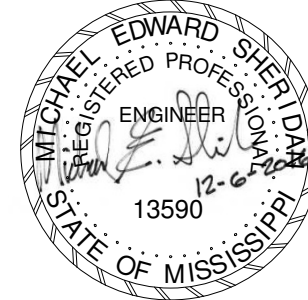
CLASSROOM ADDITION TO
LEWISBURG PRIMARY
SCHOOL

DESOTO COUNTY SCHOOL
BOARD
DESOTO COUNTY, MISSISSIPPI

1	ADD #1 - DETAIL REVISION	01/12/17
No.	Revision	Date

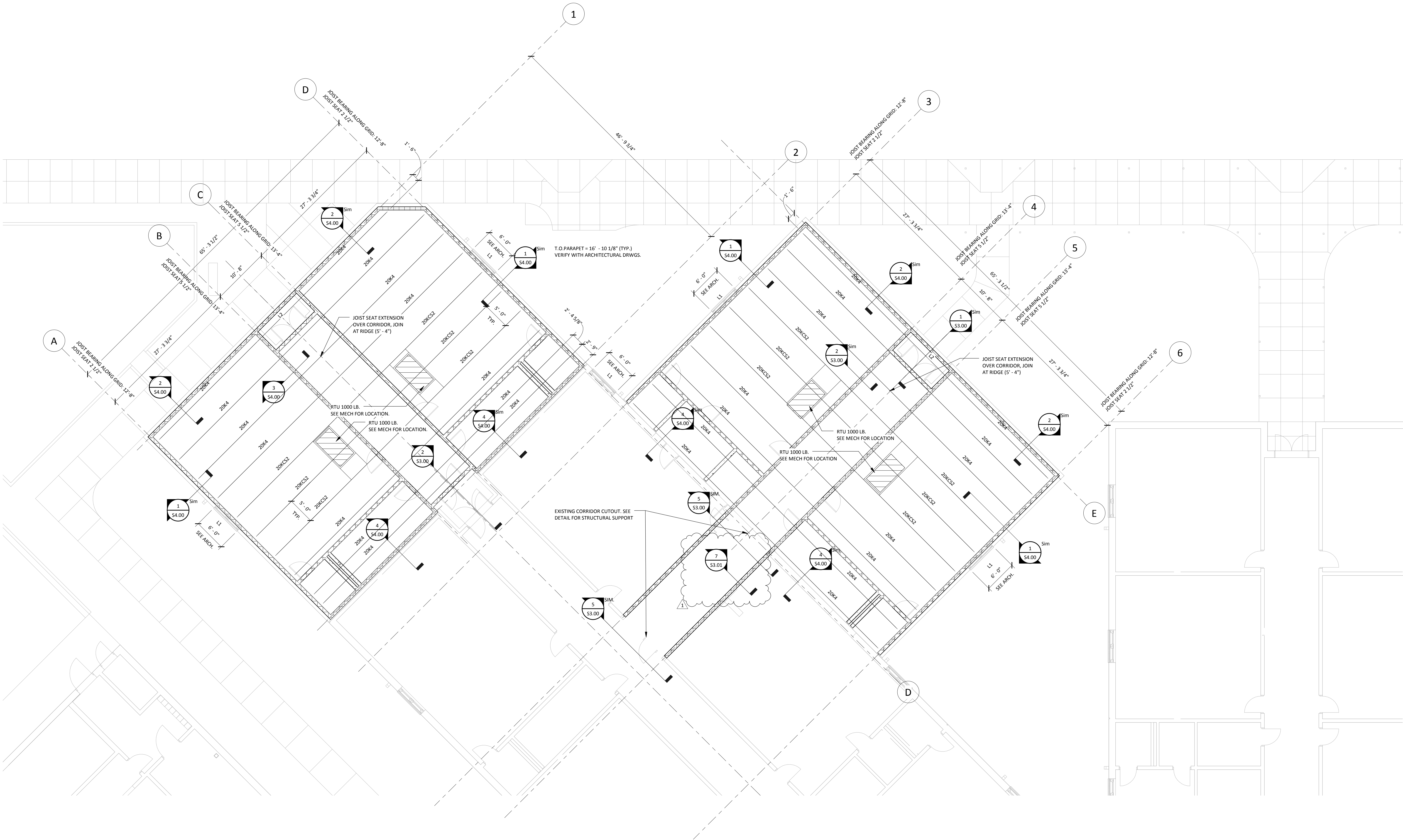
ROOF FRAMING PLAN

JOB NO: 62557
DATE: 12.06.16
DRAWN: TBH
CHECKED:
CAD FILE:



LEWISBURG PRIMARY

S2.01



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

- PLAN NOTES:
- SEE S1.00 FOR GENERAL NOTES
 - SEE S3.00 SERIES FOR TYPICAL MASONRY SECTIONS AND DETAILS
 - SEE S4.00 SERIES FOR FRAMING DETAILS
 - DECK: 1 1/2" TYPE B 22GA STEEL ROOF DECK, TYP. U.N.O.
 - ALL JOISTS TO BE SPACED EQUALLY IN BAYS U.N.O. ON PLANS
 - COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS
 - JOIST BEARING ELEVATIONS NOTED ON PLAN, TYP. U.N.O.
 - ALL MASONRY UNITS SHALL BE CONSIDERED TO BE TYPE L1 UNITS, TYP. U.N.O. & L2 UNITS AT VESTIBULES, TYP. U.N.O.
 - ALL JOISTS SUPPORTING MECHANICAL TO BE VERIFIED BY JOIST MANUFACTURER





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CLASSROOM ADDITION TO LEWISBURG PRIMARY SCHOOL

DESOTO COUNTY SCHOOL
BOARD

DESOTO COUNTY, MISSISSIPPI

1 ADD #1 - DETAIL REVISION 01/12/17
No. Revision Date

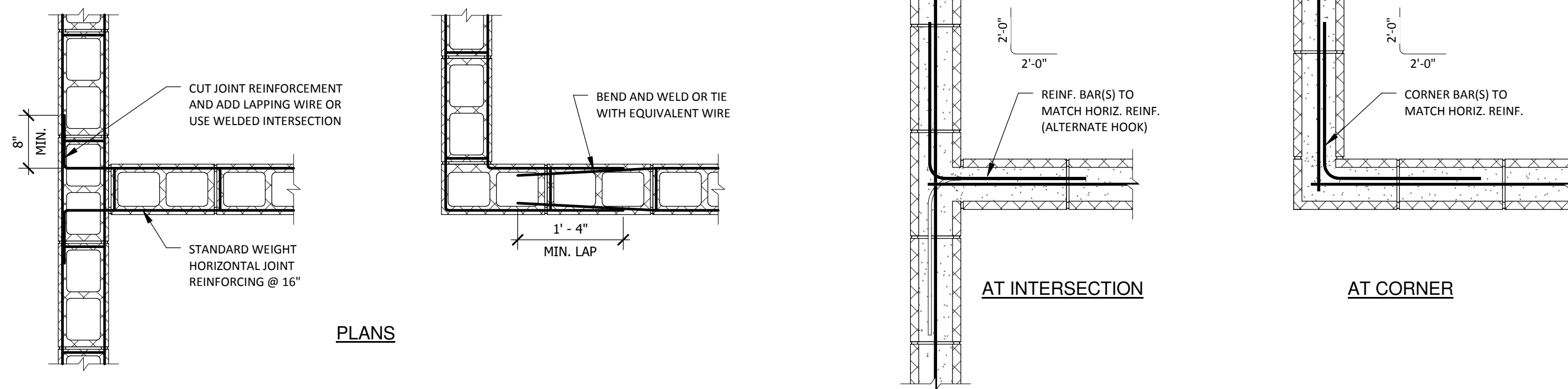
WALL SECTIONS/DETAILS

JOB NO: 62557
DATE: 12.06.16
DRAWN: TBH
CHECKED:
CAD FILE:



LEWISBURG PRIMARY

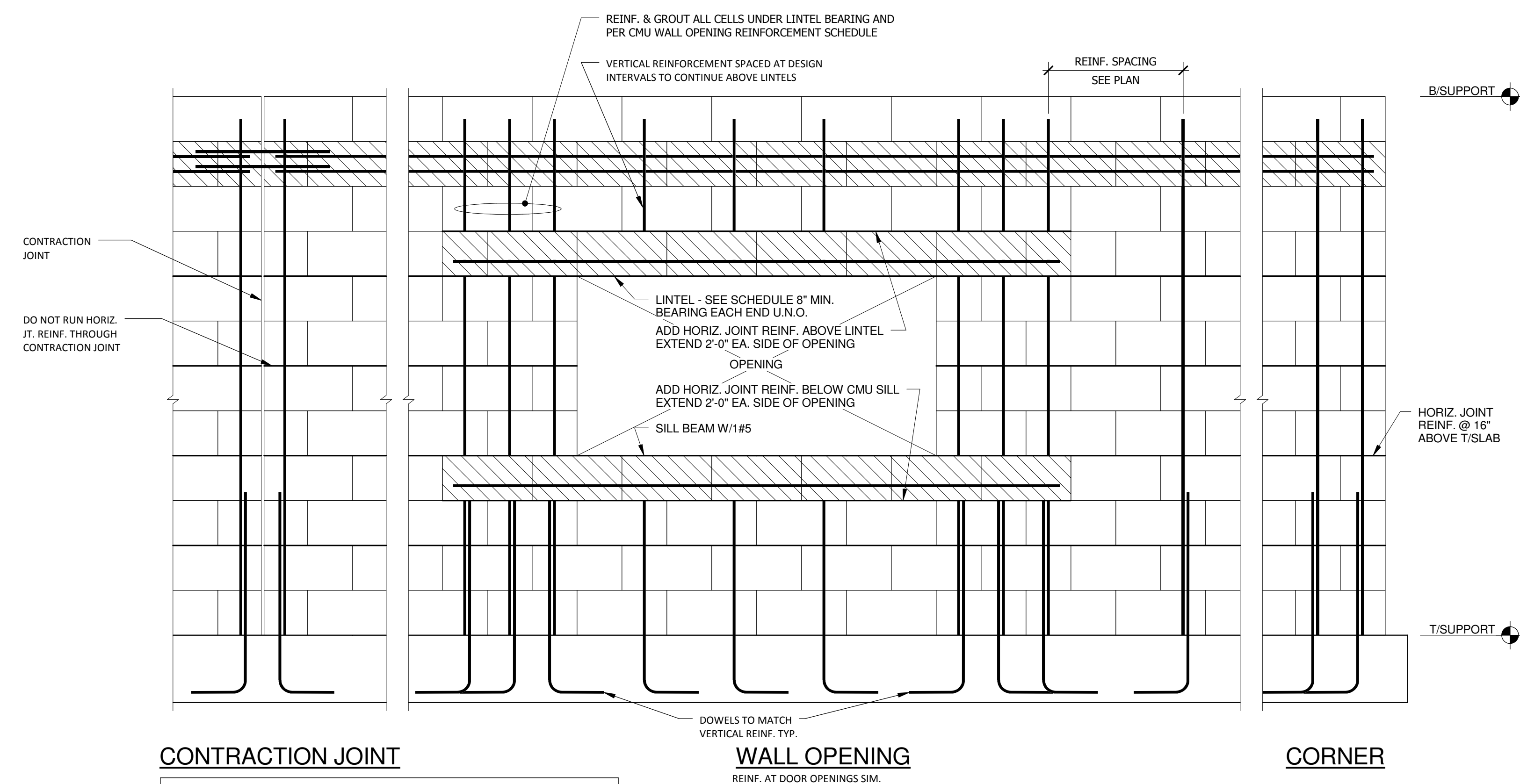
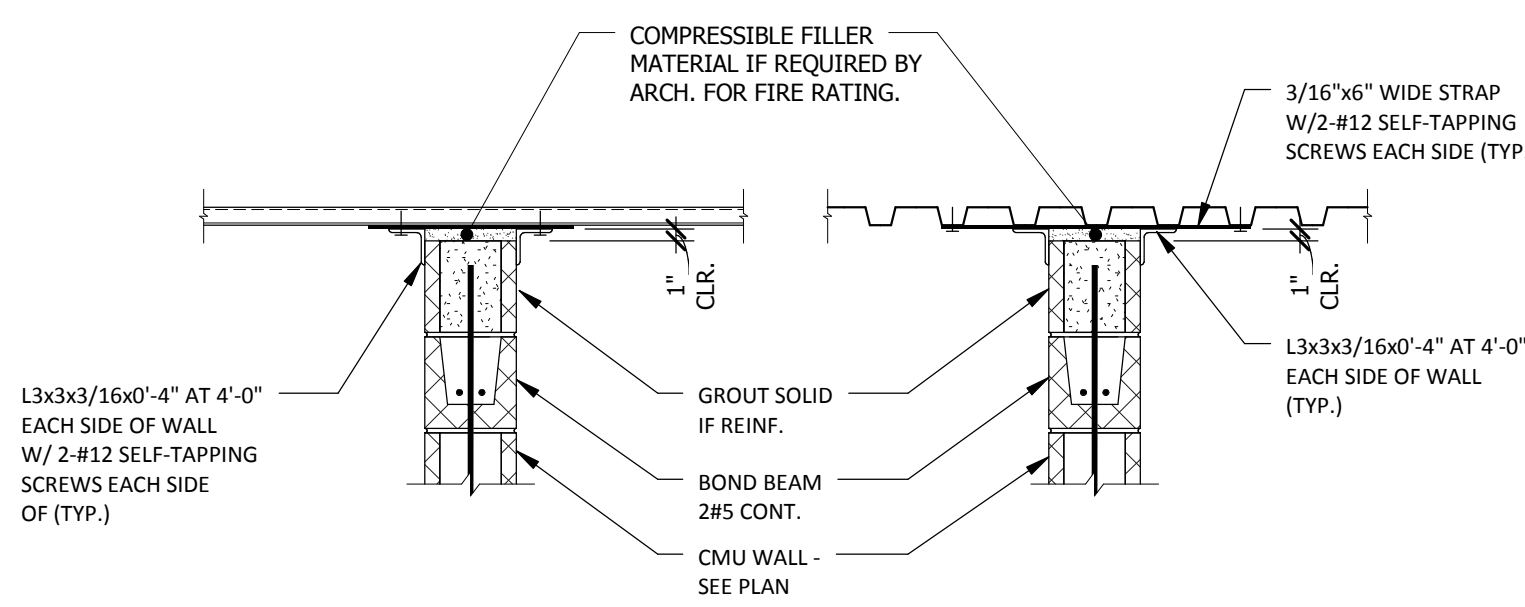
S3.01



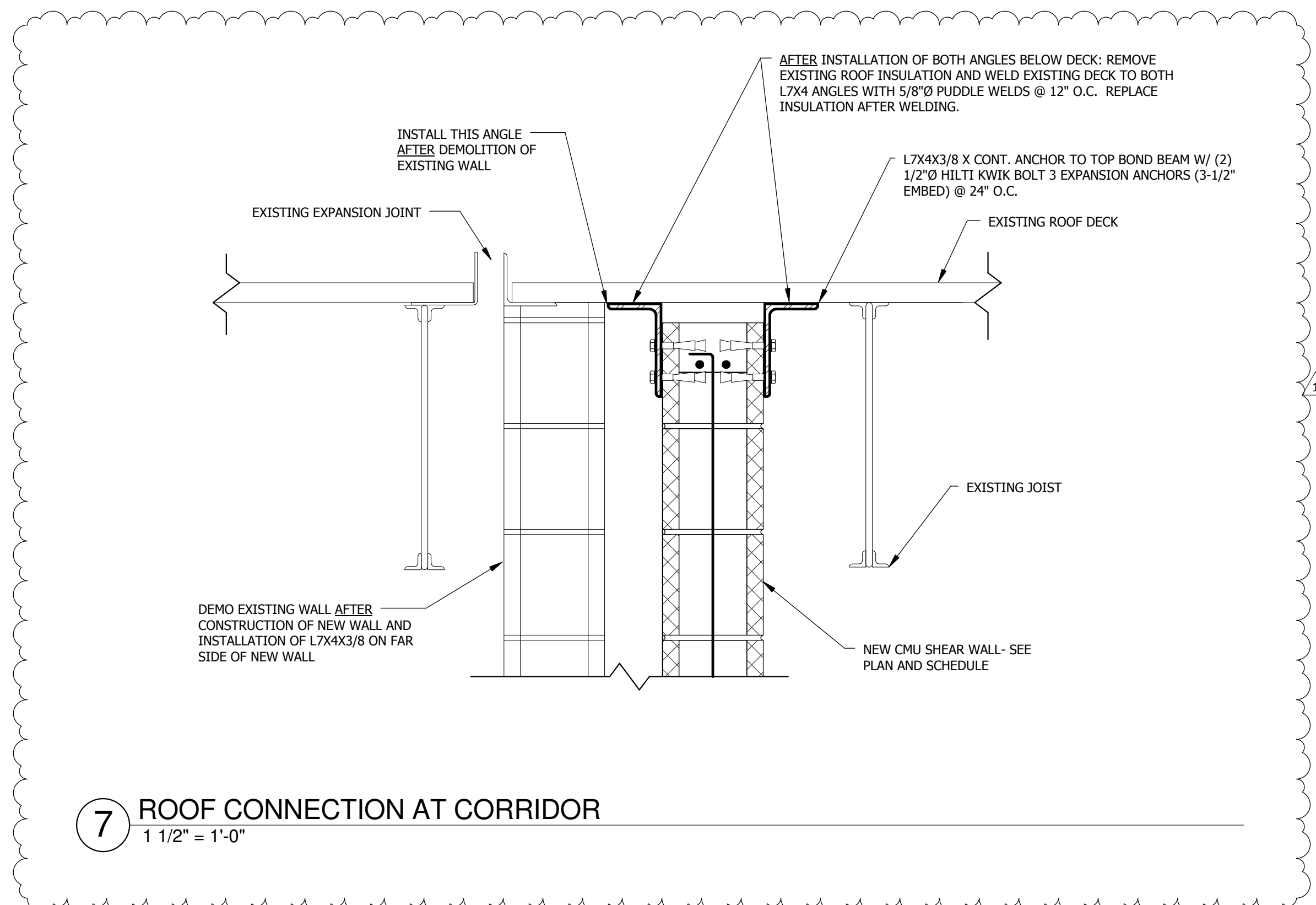
1 JOINT REINF. AT INTERSECTING CMU WALLS
3/4" = 1'-0"

2 BOND BEAM REINF. AT INTERSECTING CMU WALL
3/4" = 1'-0"

TYP. CMU WALL BRACING DETAIL AT ROOF DECK -
NON-BEARING WALL
3/4" = 1'-0"



4 TYPICAL CMU WALL REINFORCING - ELEVATION (NON-LOAD
BEARING WALLS)
3/4" = 1'-0"

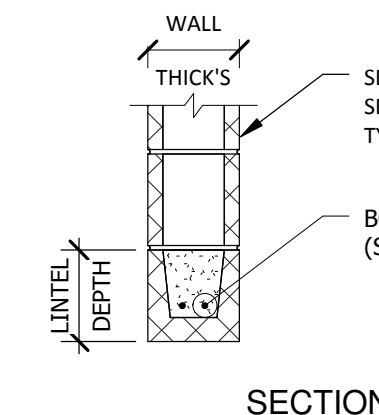


7 ROOF CONNECTION AT CORRIDOR
1 1/2" = 1'-0"

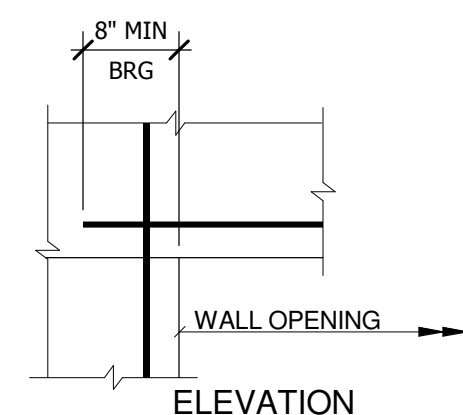
NOTE:
REINF. CMU CORE @ LINTEL
BRG. W/1-#5 (MIN)
VERT (TYP. UNO, SEE 1/53.00)

UN-MARKED CMU LINTEL REINFORCEMENT		
WALL OPENING WIDTH	LINTEL DEPTH	REINFORCING
UP TO 4'-0"	8"	2#4 BOTTOM
4'-1" TO 6'-0"	8"	2#5 BOTTOM
6'-1" TO 8'-0"	16"	2#5 BOTTOM
8'-1" TO 10'-0"	16"	2#6 BOTTOM

FOR LOADBEARING WALL LINTELS
SEE SCHEDULE BELOW.



SECTION

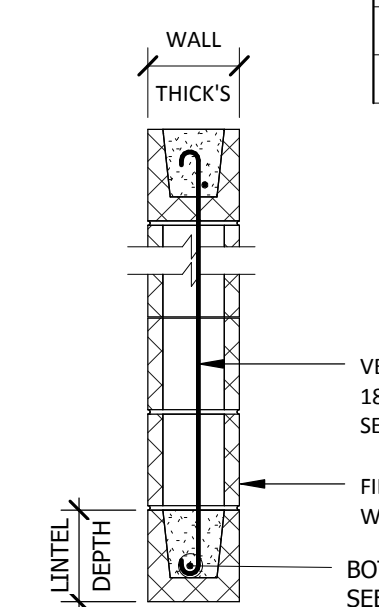


ELEVATION

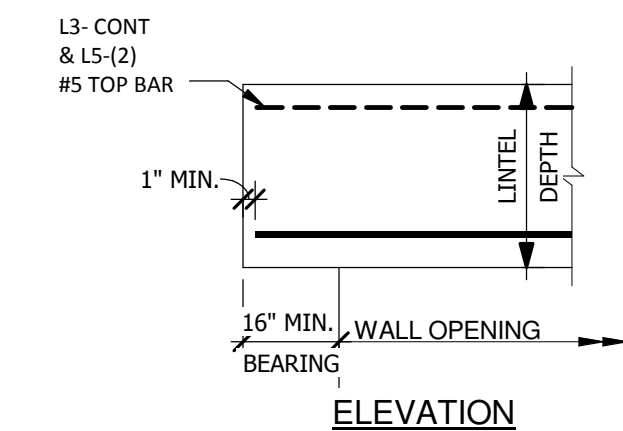
AT NON-BEARING CMU WALL ONLY

NOTE:
1. FILL CMU CORES AT
AT LINTEL BEARING W/
2500 PSI COURSE GROUT AND #5
VERT CONT. AS SHOWN IN DET
1/5300 TYP. FULL HEIGHT

MARKED CMU LINTEL REINFORCEMENT				
MARK	WALL THICK	LINTEL DEPTH	REINFORCEMENT	
			BOTTOM	VERTICAL
L1	8"	16"	2-#5	-
L2	8"	24"	2-#5	#4@16"



SECTION

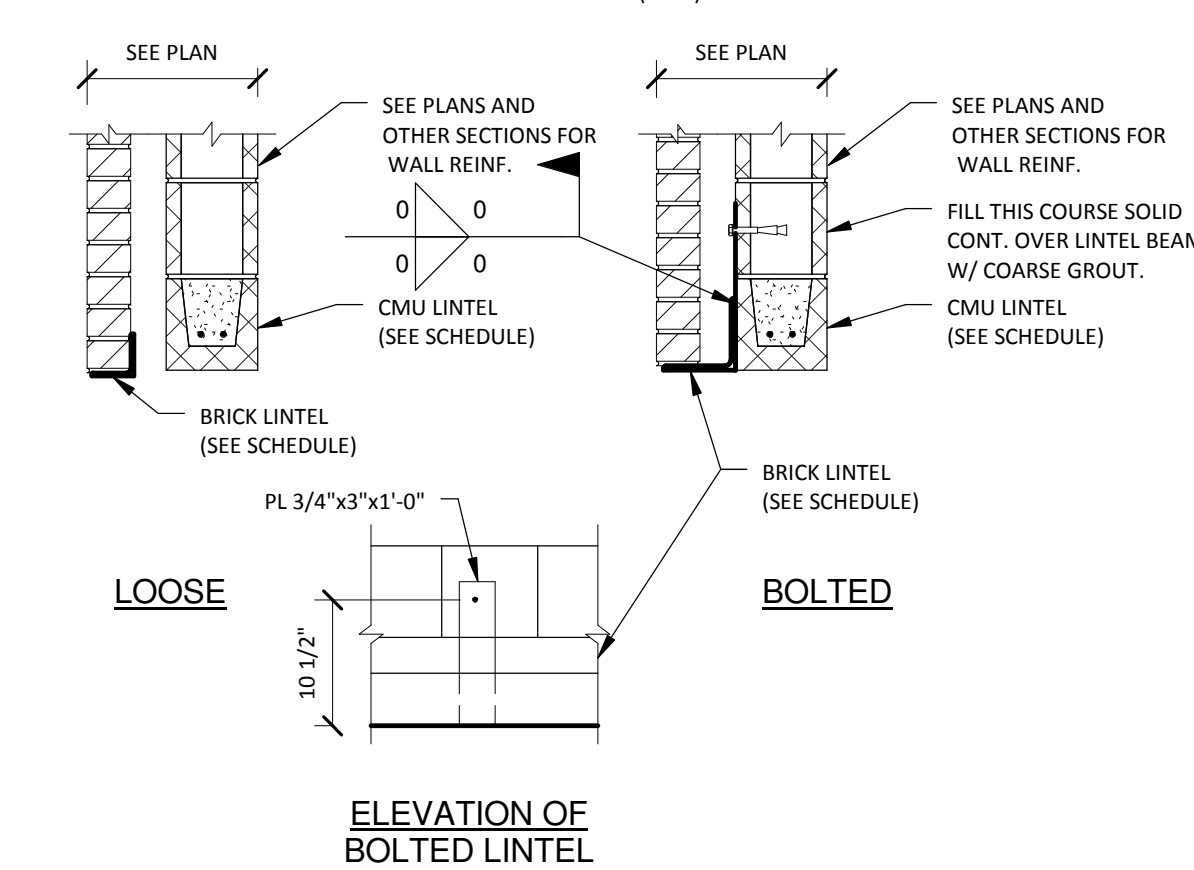


ELEVATION

5 CMU LINTEL SCHEDULE
3/4" = 1'-0"

BRICK LINTEL SCHEDULE		
OPENING WIDTH	ANGLE SIZE	REMARKS
UP TO 4'-0"	L3 1/2"x3 1/2" X 1/4"	LOOSE
4'-1" TO 8'-0"	L6"x3 1/2" X 5/16" (LLV)	LOOSE
OVER 8'-0"	L6"x6"x5/8"	BOLTED W/ 5/8" EXPANSION ANCHORS @ 2'-0" (4 1/2" EMBED.)

NOTE: 1.
LINTELS SHALL BEAR 8" MIN. EACH END (MIN.) - TYP.



ELEVATION OF
BOLTED LINTEL

6 BRICK LINTEL SCHEDULE
3/4" = 1'-0"



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**CLASSROOM ADDITION TO
LEWISBURG PRIMARY
SCHOOL**

DESOTO COUNTY SCHOOL
BOARD
DESOTO COUNTY, MISSISSIPPI

1 ADD #1 - DETAIL REVISION 01/12/17
No. Revision Date

FOUNDATION DETAILS

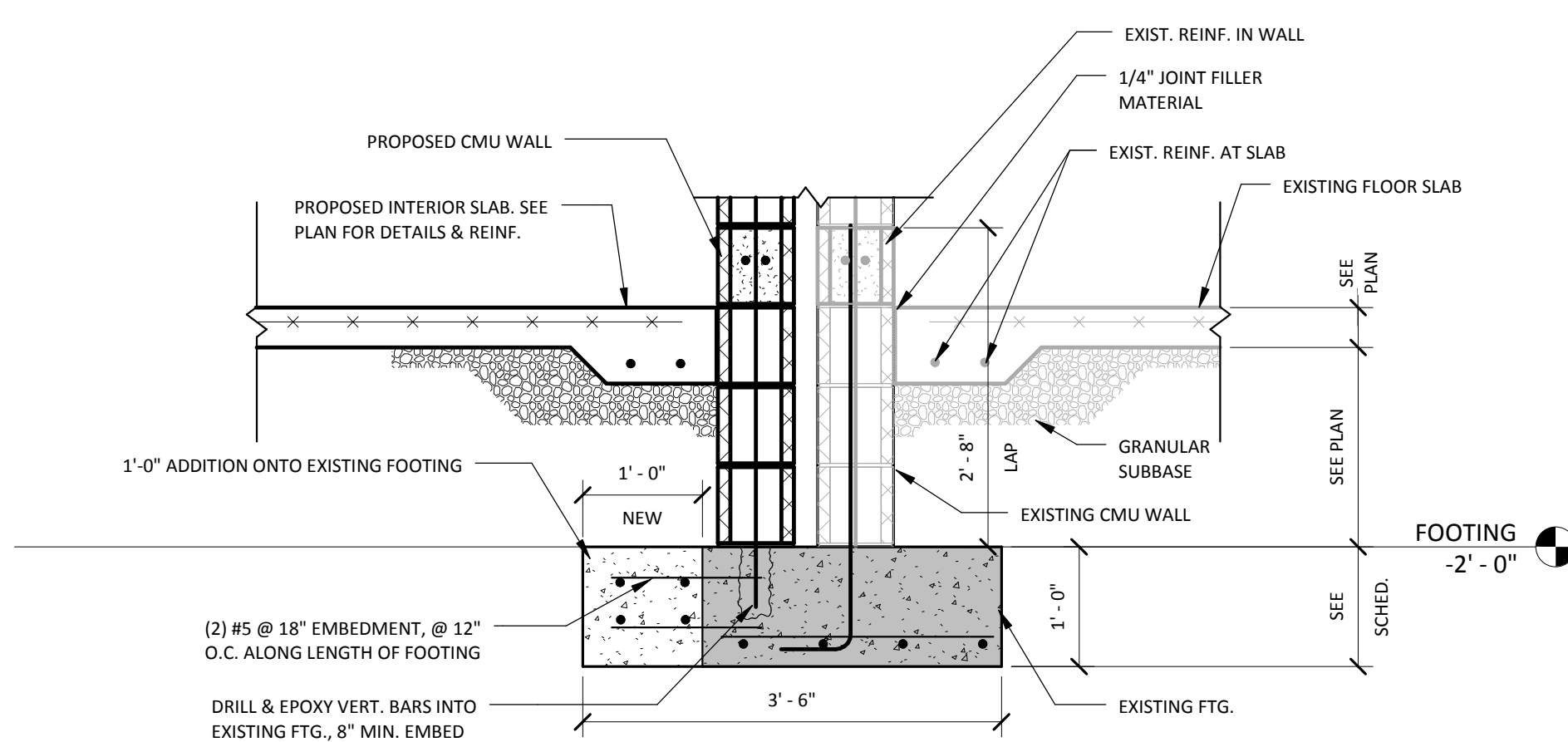
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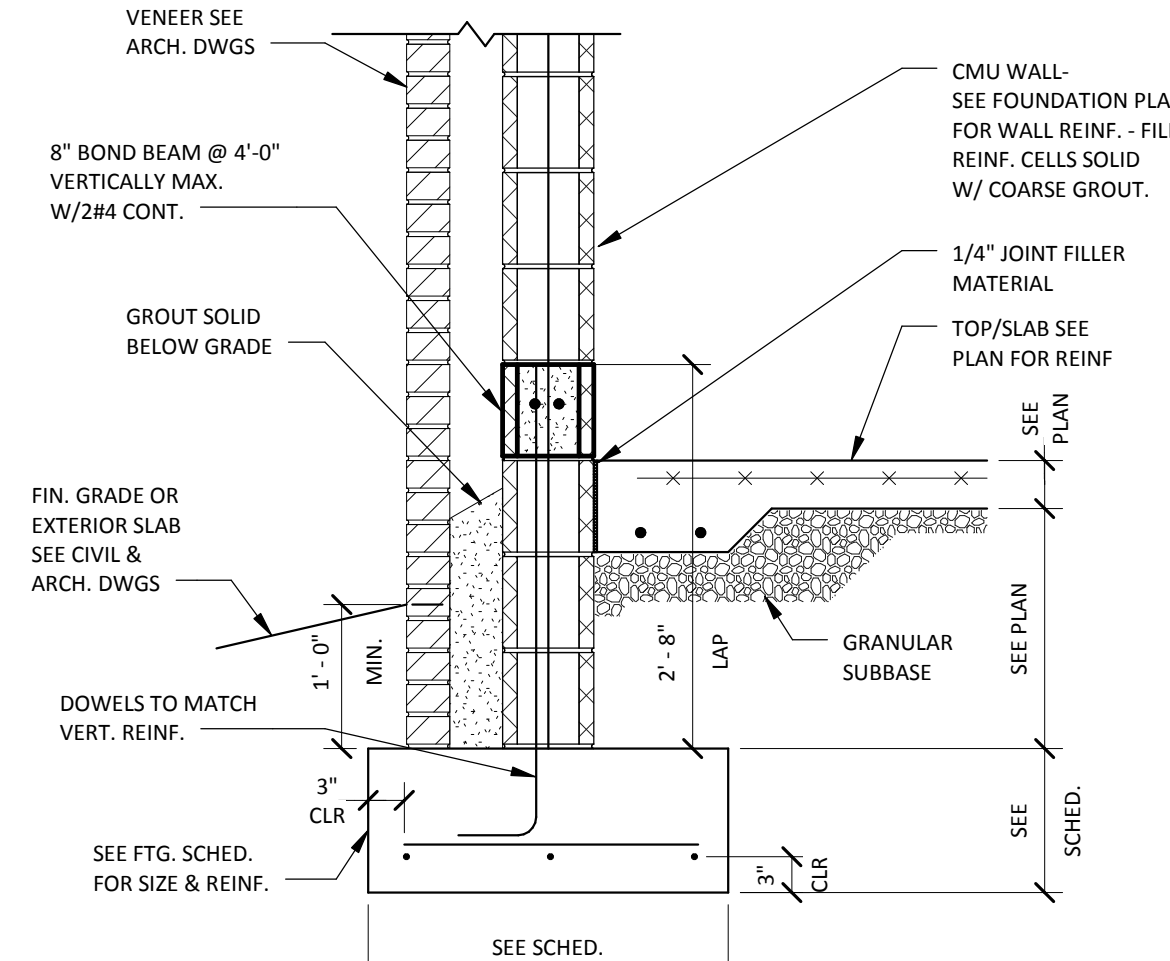
LEWISBURG PRIMARY

S3.02

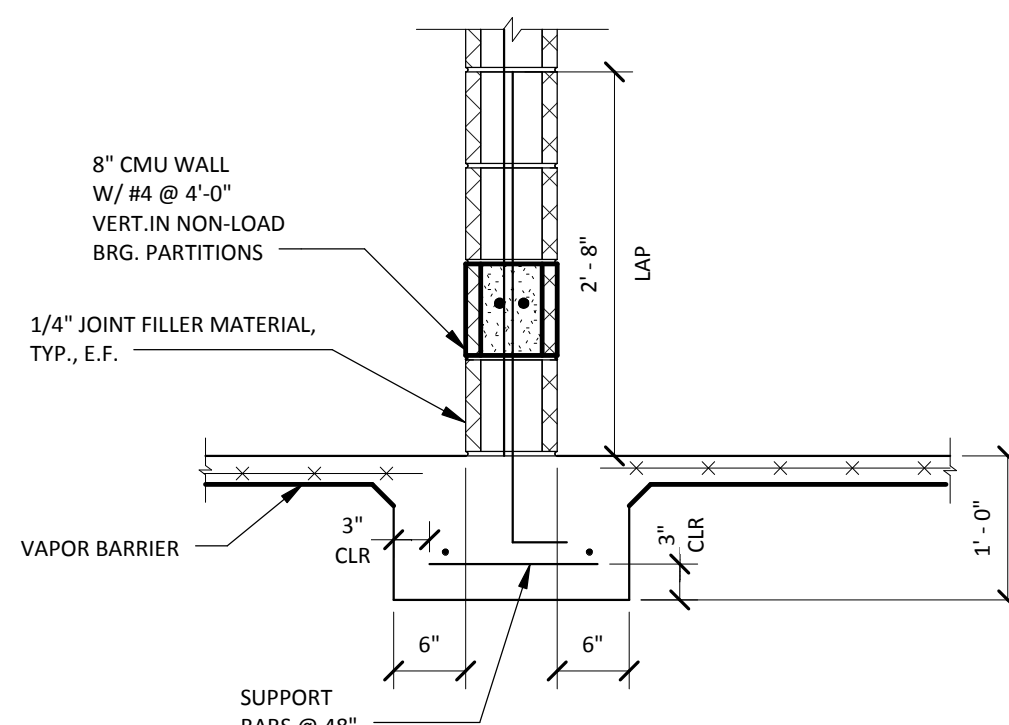
1 SECTION @ FOOTING ADDITION
3/4" = 1'-0"



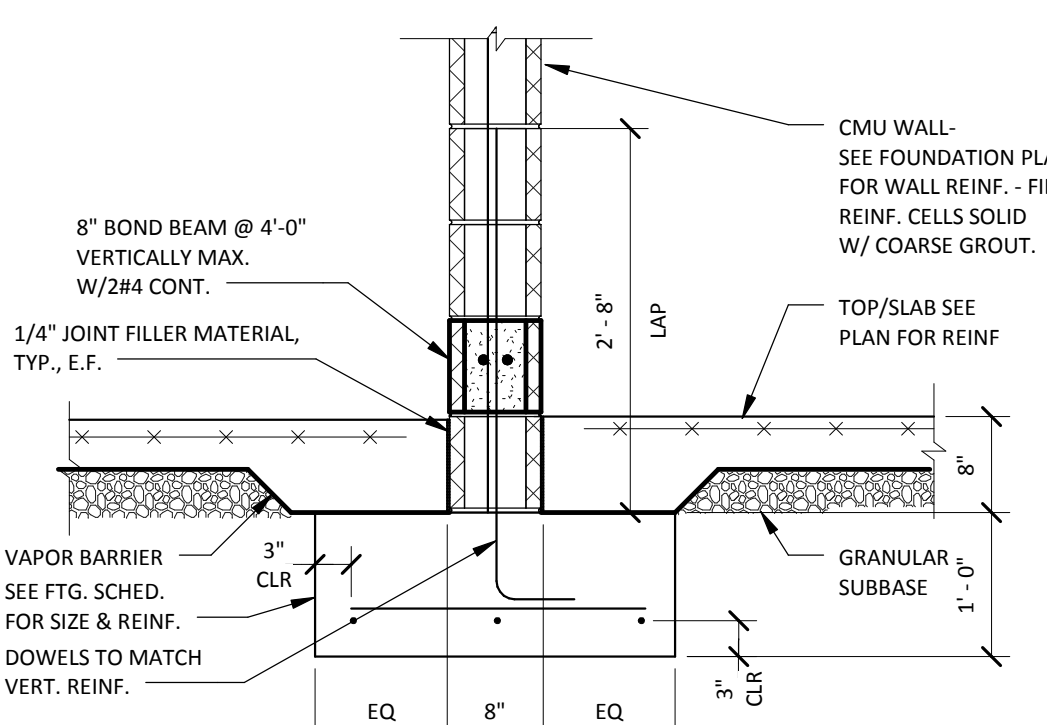
2 EXTERIOR WALL FOOTING
3/4" = 1'-0"



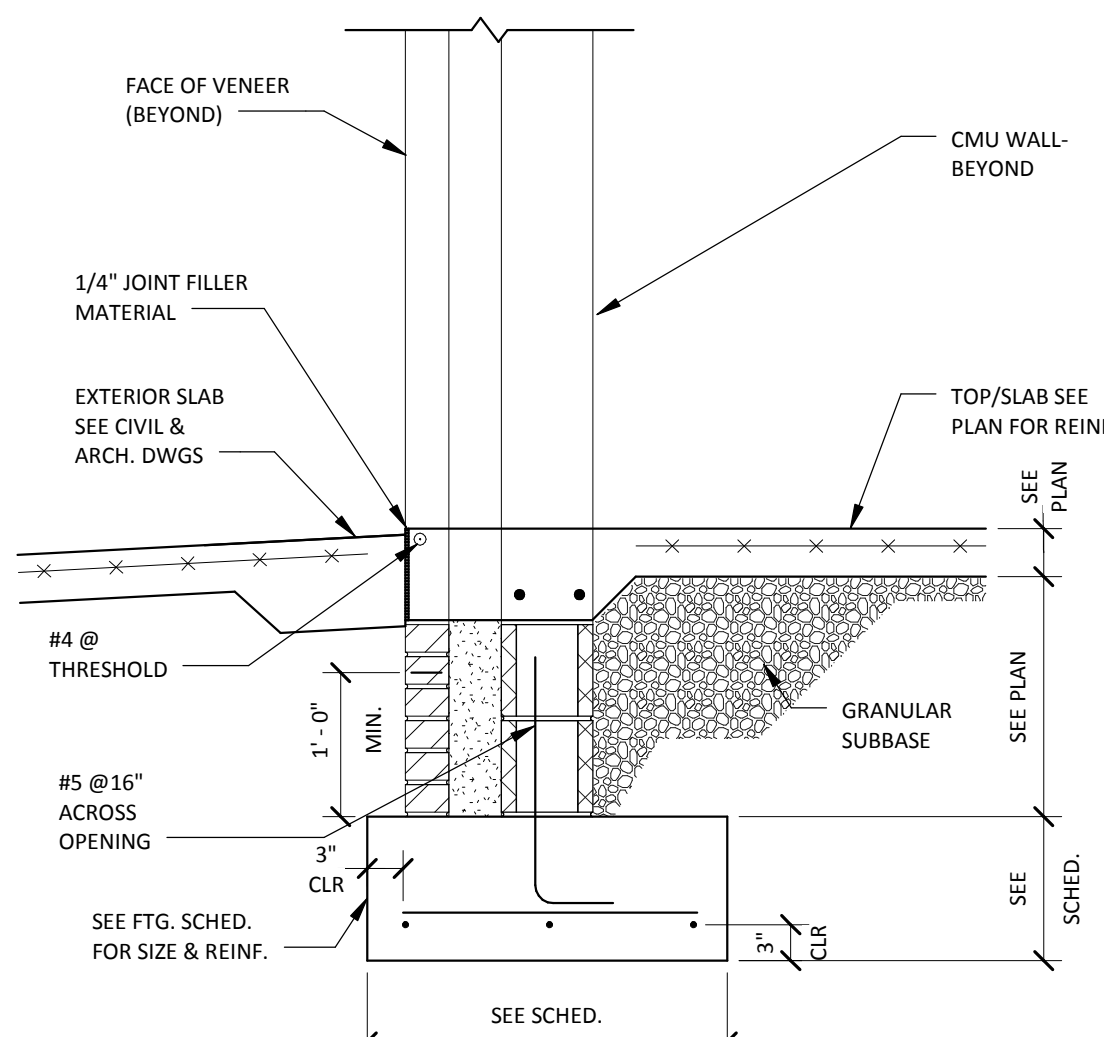
3 THICKENED SLAB AT NON LOAD BEARING CMU WALLS
3/4" = 1'-0"



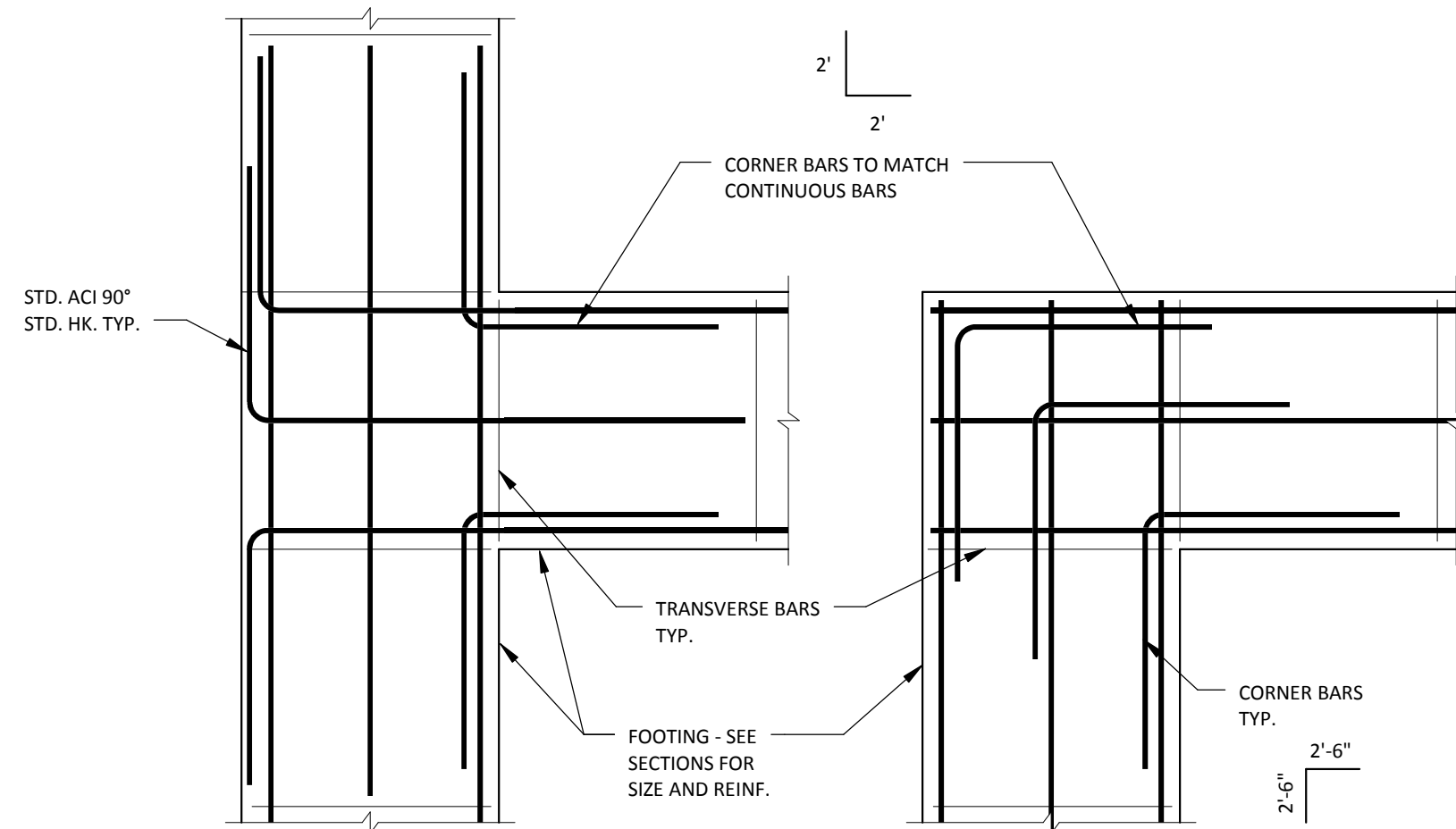
4 SECTION AT INTERIOR LOAD BEARING WALL
3/4" = 1'-0"



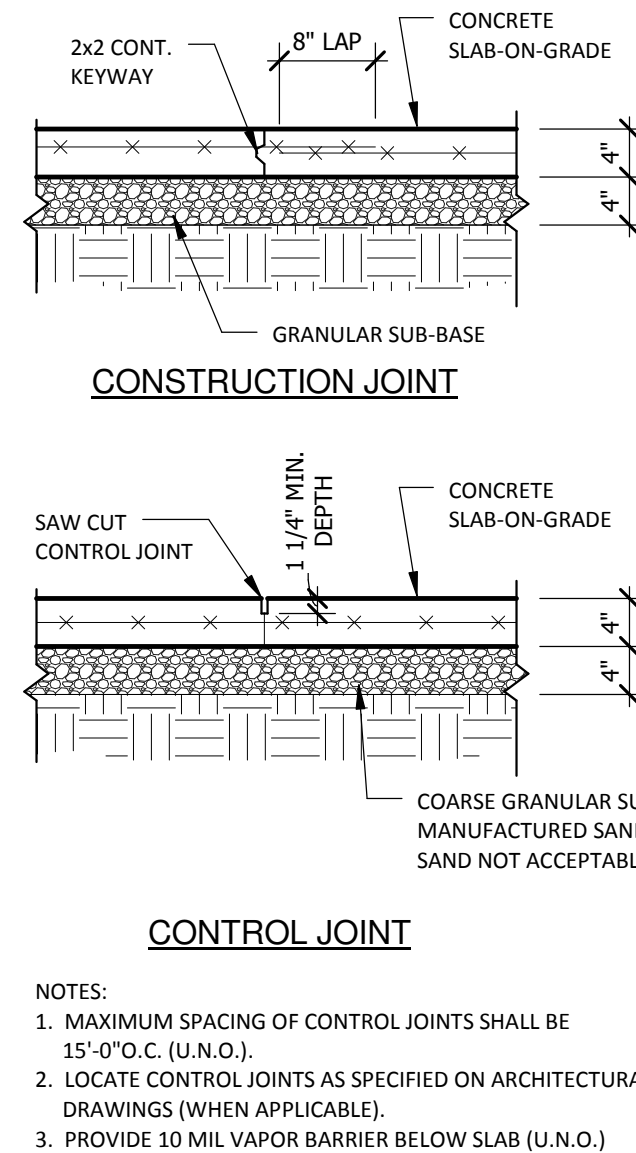
5 SECTION AT DOOR OPENING
3/4" = 1'-0"



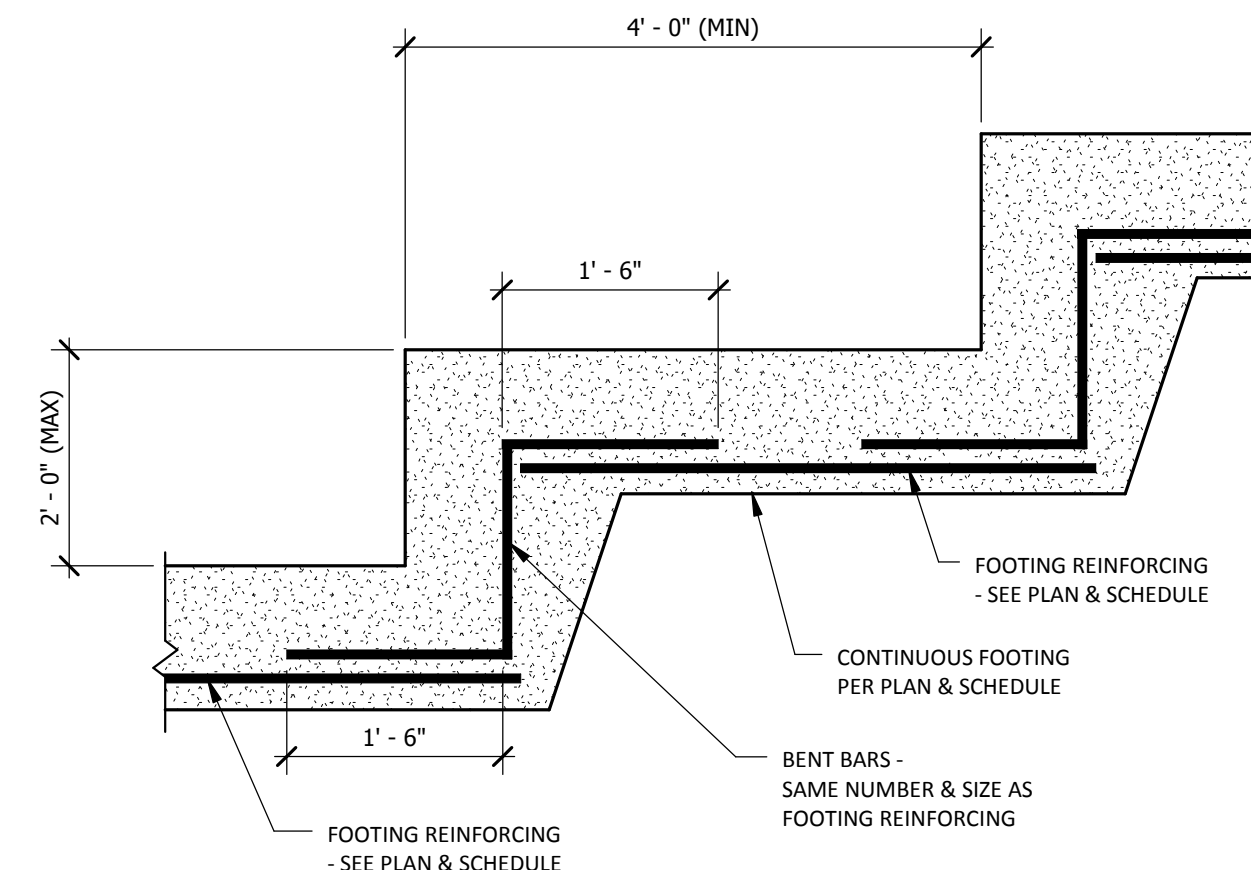
6 TYPICAL WALL FOOTING INTERSECTION REINFORCING PLAN
3/4" = 1'-0"



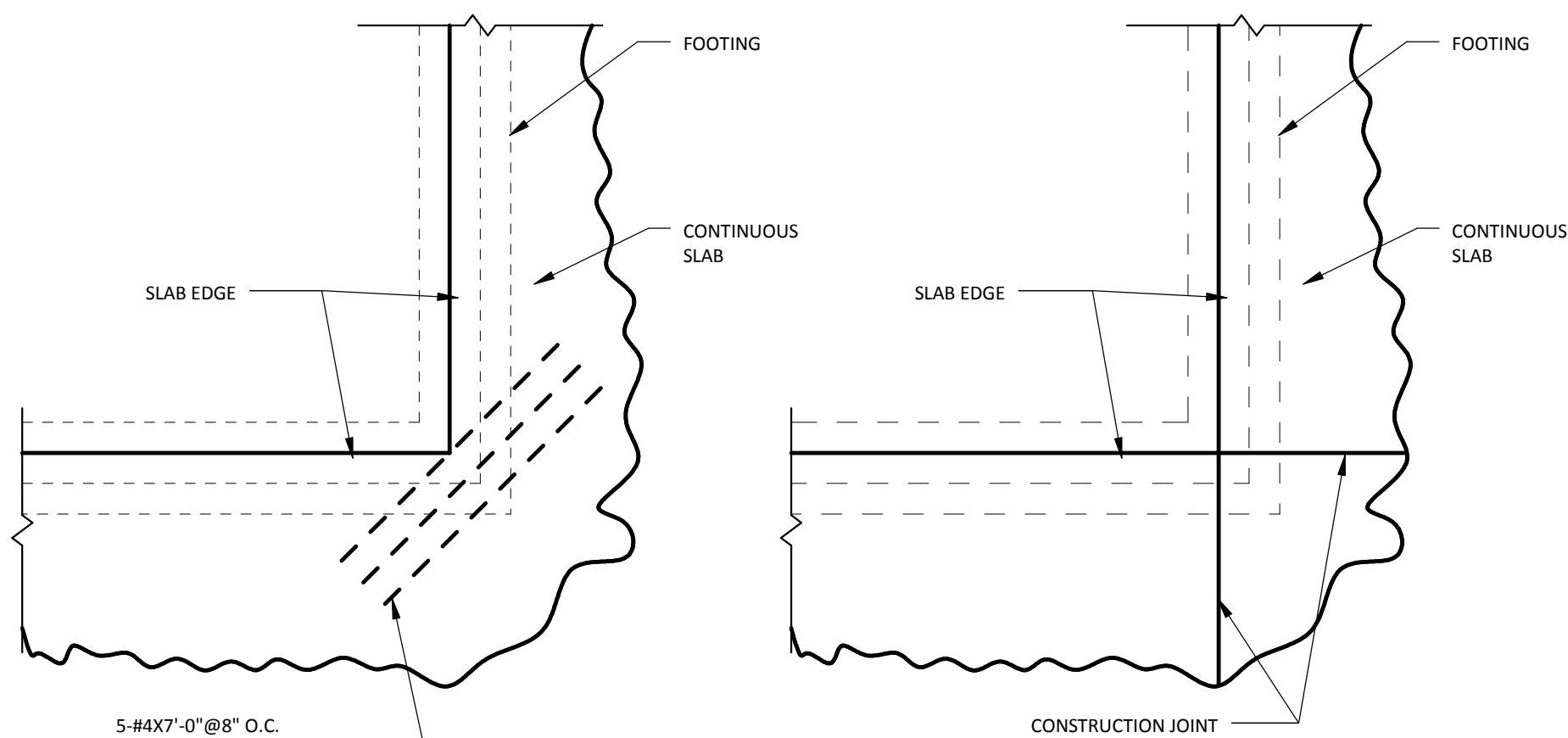
7 SLAB-ON-GRADE DETAILS
3/4" = 1'-0"



8 TYPICAL FOOTING STEP DETAIL
3/4" = 1'-0"

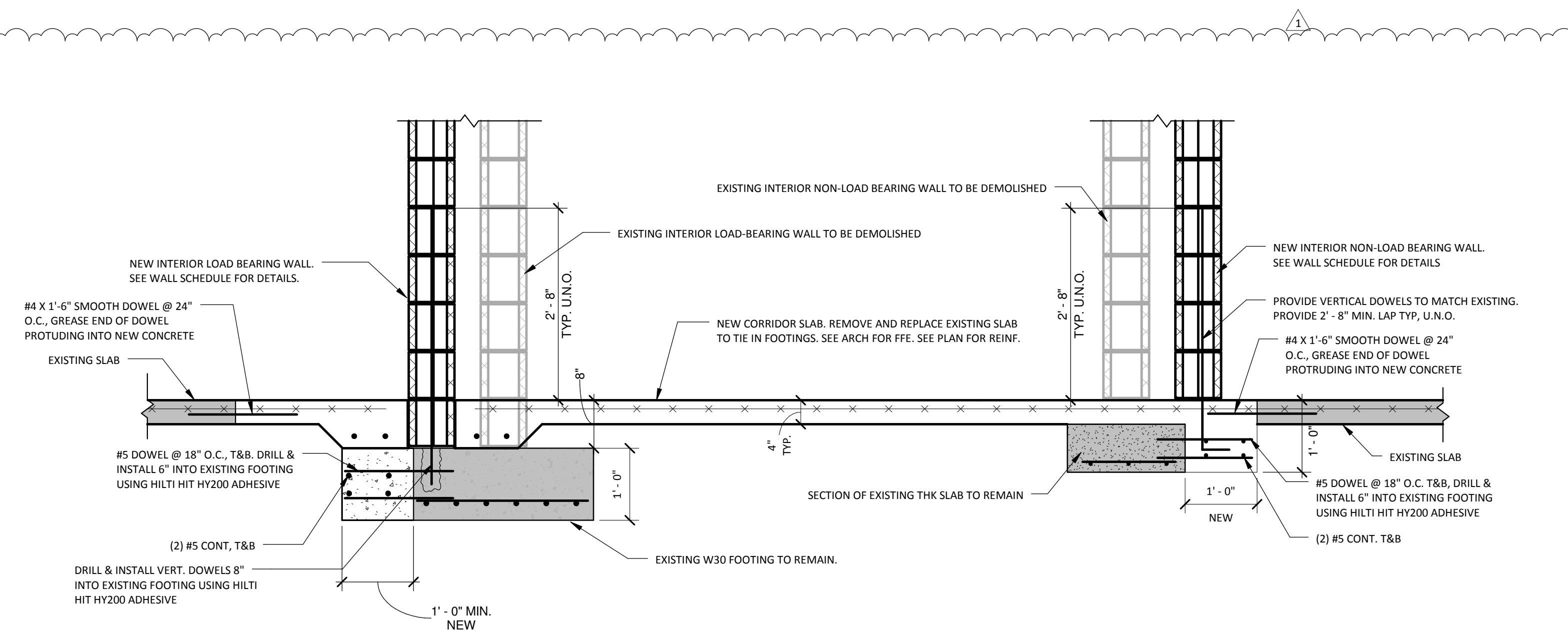


9 FLOOR SLAB PLACEMENT
3/4" = 1'-0"



FOOTING SCHEDULE				
Type	WIDTH	THICKNESS	LONGITUDINAL REINF.	TRANSVERSE REINF.
W30	2' - 6"	1' - 0"	(4) #4 x Cont.	#5 @ 40" O.C.

10 FOUNDATION SECTION AT NEW CORRIDOR
3/4" = 1'-0"



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

R

Q

P

N

M

L

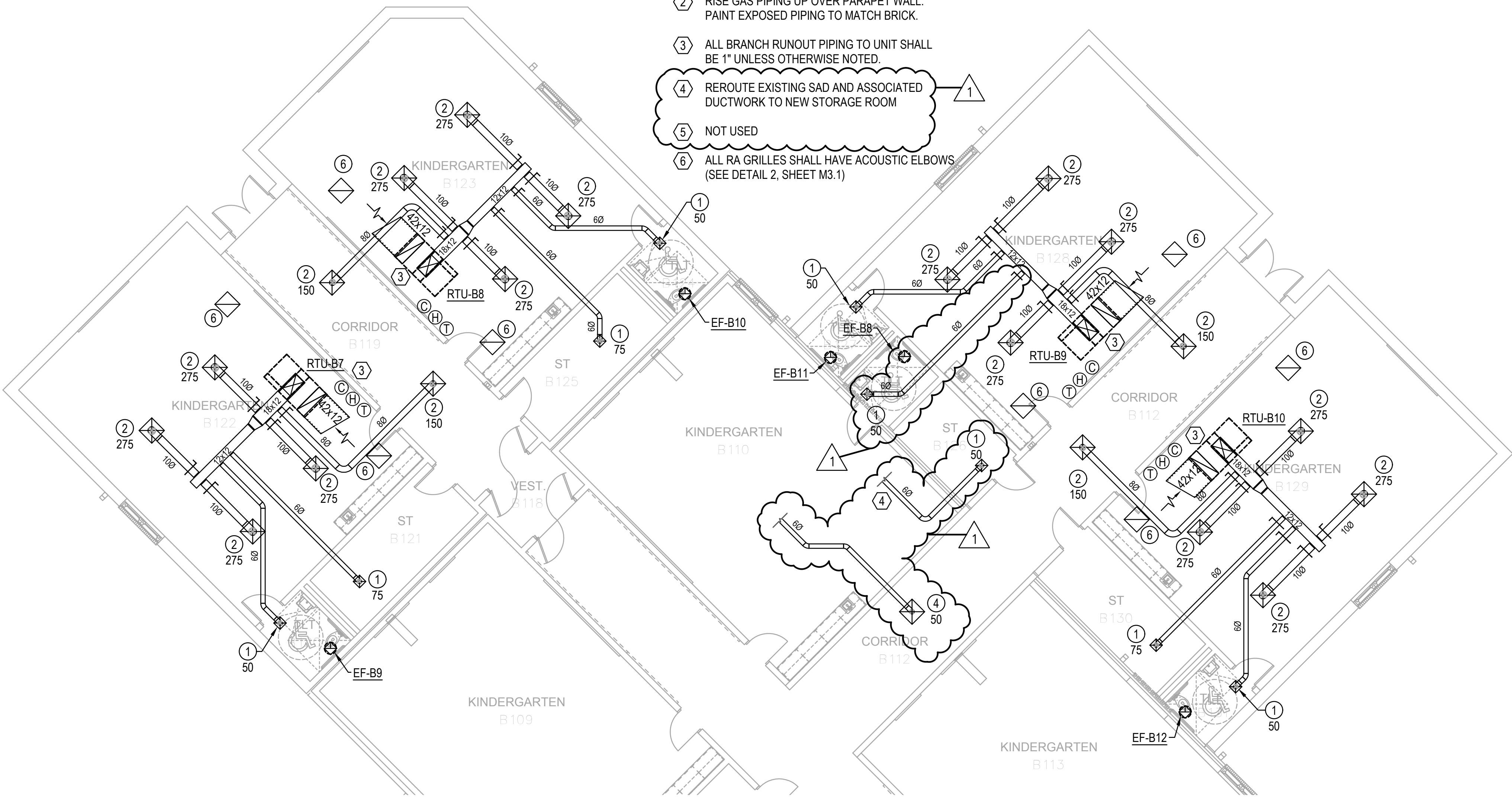
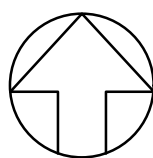
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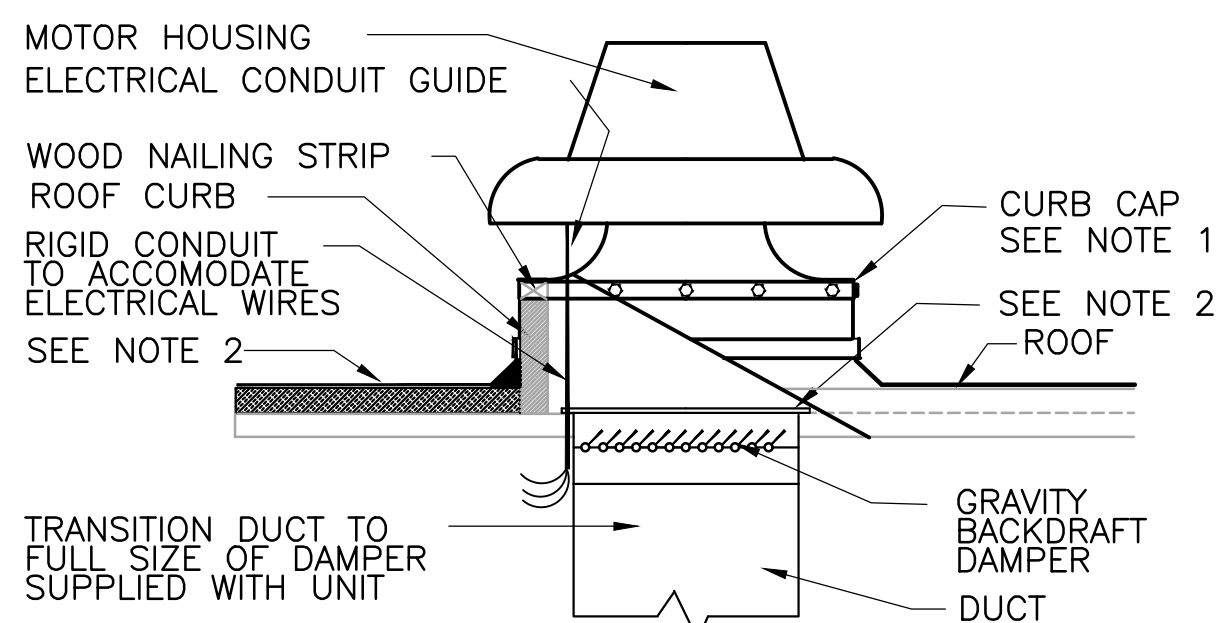
J

J1

FLOOR PLAN - MECHANICAL

1/8"=1'-0"



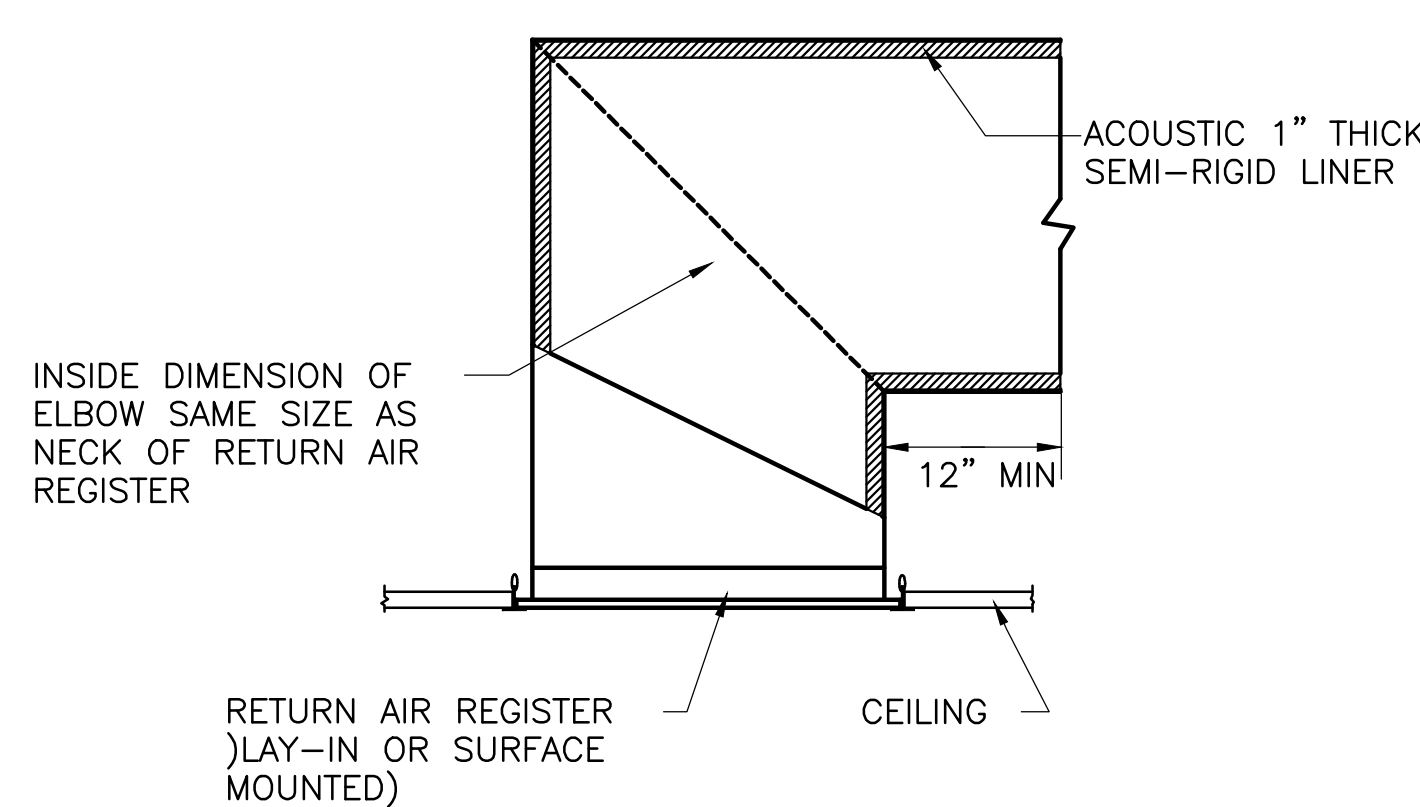


NOTES:

1. SECURE CURB CAP TO WOOD NAILING STRIP WITH 3/8" CADMIUM PLATED LAG BOLTS NOT OVER 12" ON CENTER.
2. SECURE ROOF CURB, DUCTWORK, AND DAMPER TO ROOF WITH EXPANSION BOLTS, (CONCRETE ROOF) OR RUST RESISTANT BOLTS (METAL DECK AND BAR JOIST ROOF)
3. SIZE OF DUCT THROUGH ROOF SHALL NOT BE LARGER THAN CURB SUPPLIED WITH ROOF VENTILATOR.
4. RUN ELECTRIC LINES THROUGH CLEARANCE HOLE PROVIDED IN GRAVITY DAMPER THEN THROUGH VENTILATOR ELECTRICAL CONDUIT GUIDE.

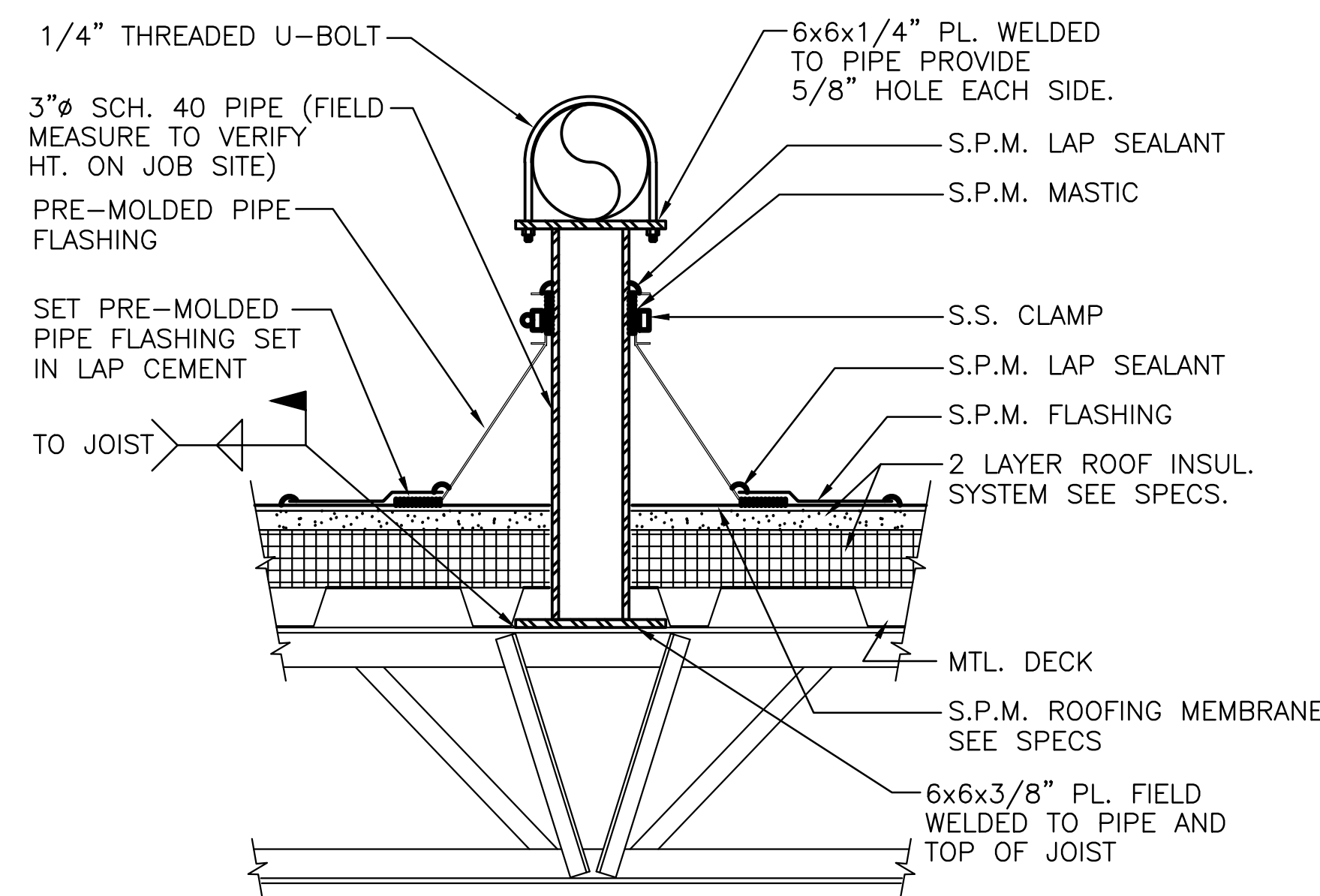
1 ROOF VENTILATOR DETAIL

NOT TO SCALE



2 RETURN AIR REGISTER W/ACOUSTIC ELBOW

NOT TO SCALE

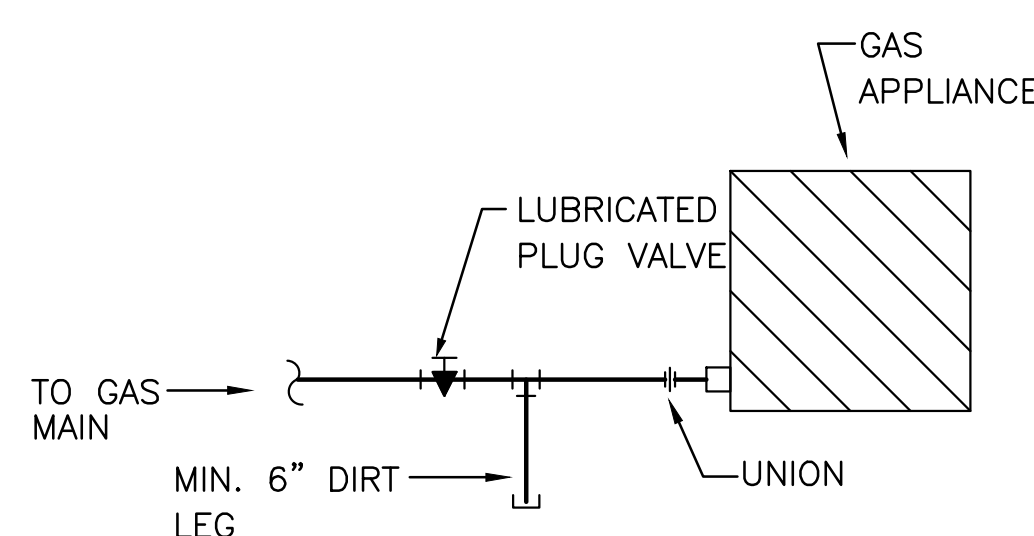


COORDINATION NOTES:

1. MECHANICAL CONTRACTOR SHALL PROVIDE ROOF GAS PIPE SEISMIC BRACING AND SHALL COORDINATE LOCATIONS WITH JOIST SUPPLIER.
2. JOIST SUPPLIER SHALL DESIGN JOISTS FOR 700 FT-LB OF MOMENT AT LOCATIONS OF SEISMIC BRACING.
3. LOCATIONS OF SEISMIC BRACING SHALL BE COORDINATED WITH G.C. FOR ROOF FLASHING OF PIPE SUPPORTS.

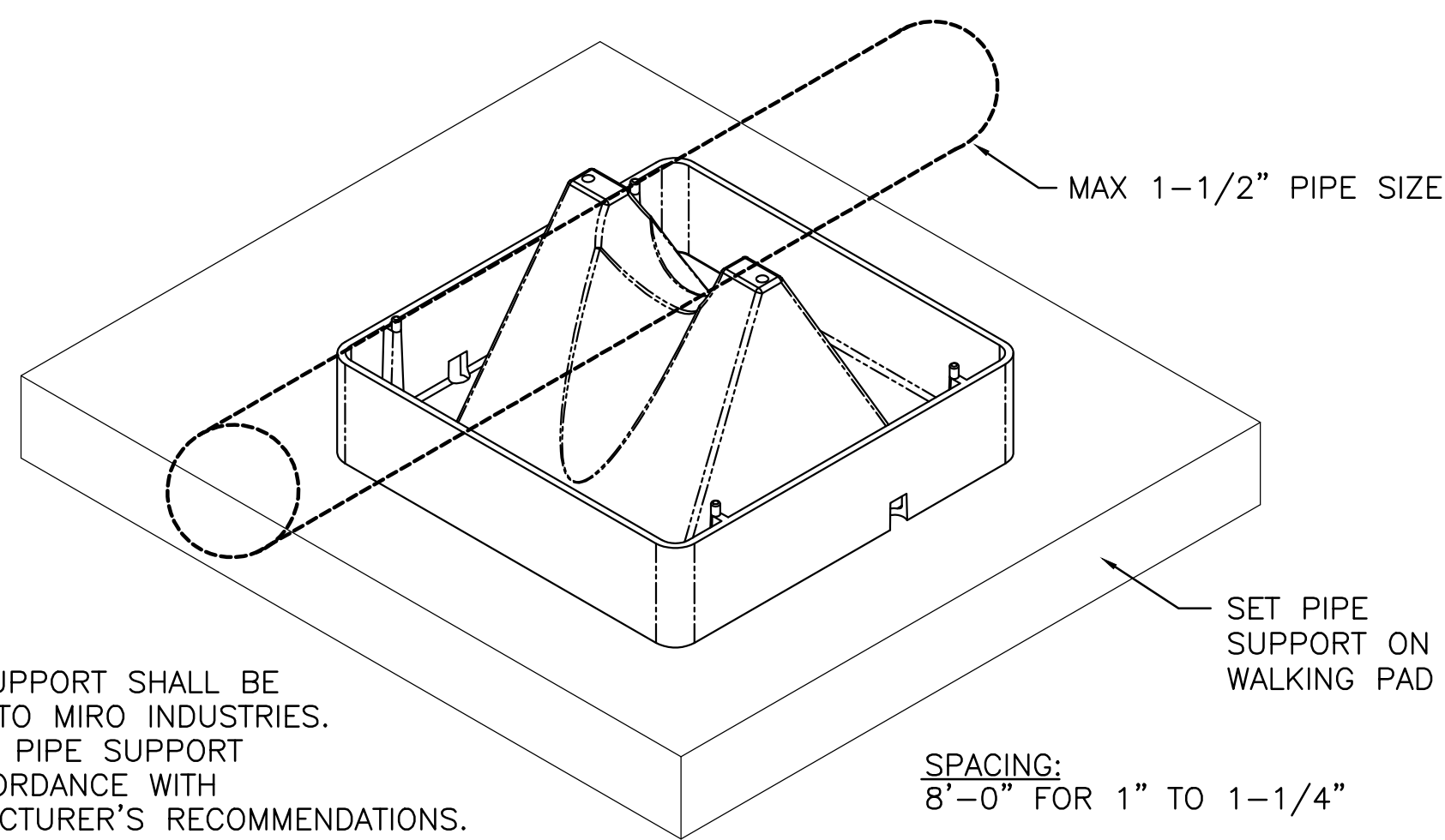
3 GAS PIPE SEISMIC SUPPORT ON ROOF DETAIL

NOT TO SCALE



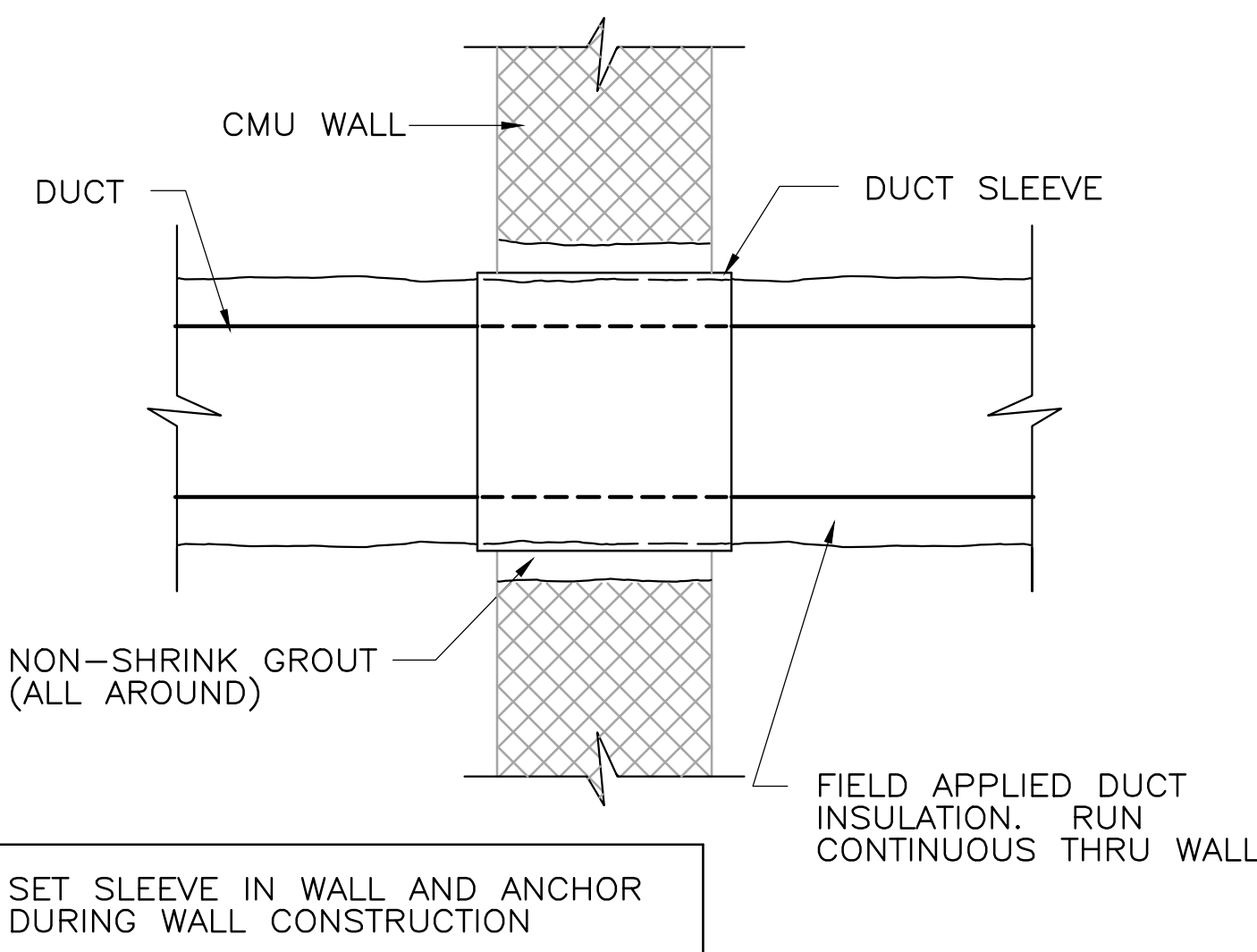
4 GAS EQUIPMENT CONNECTION DETAIL

NOT TO SCALE



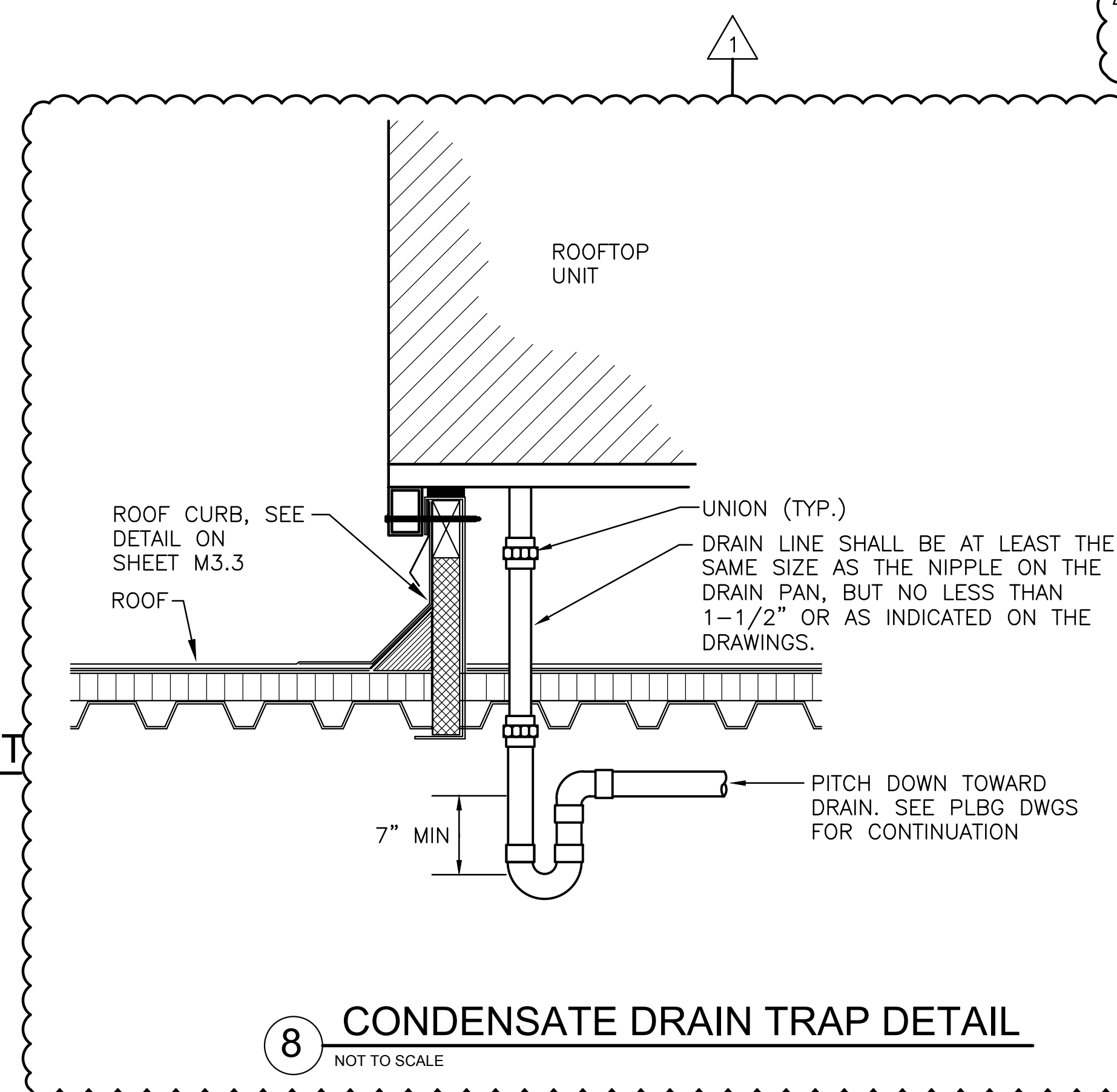
5 GAS PIPE SUPPORT ON ROOF DETAIL

NOT TO SCALE



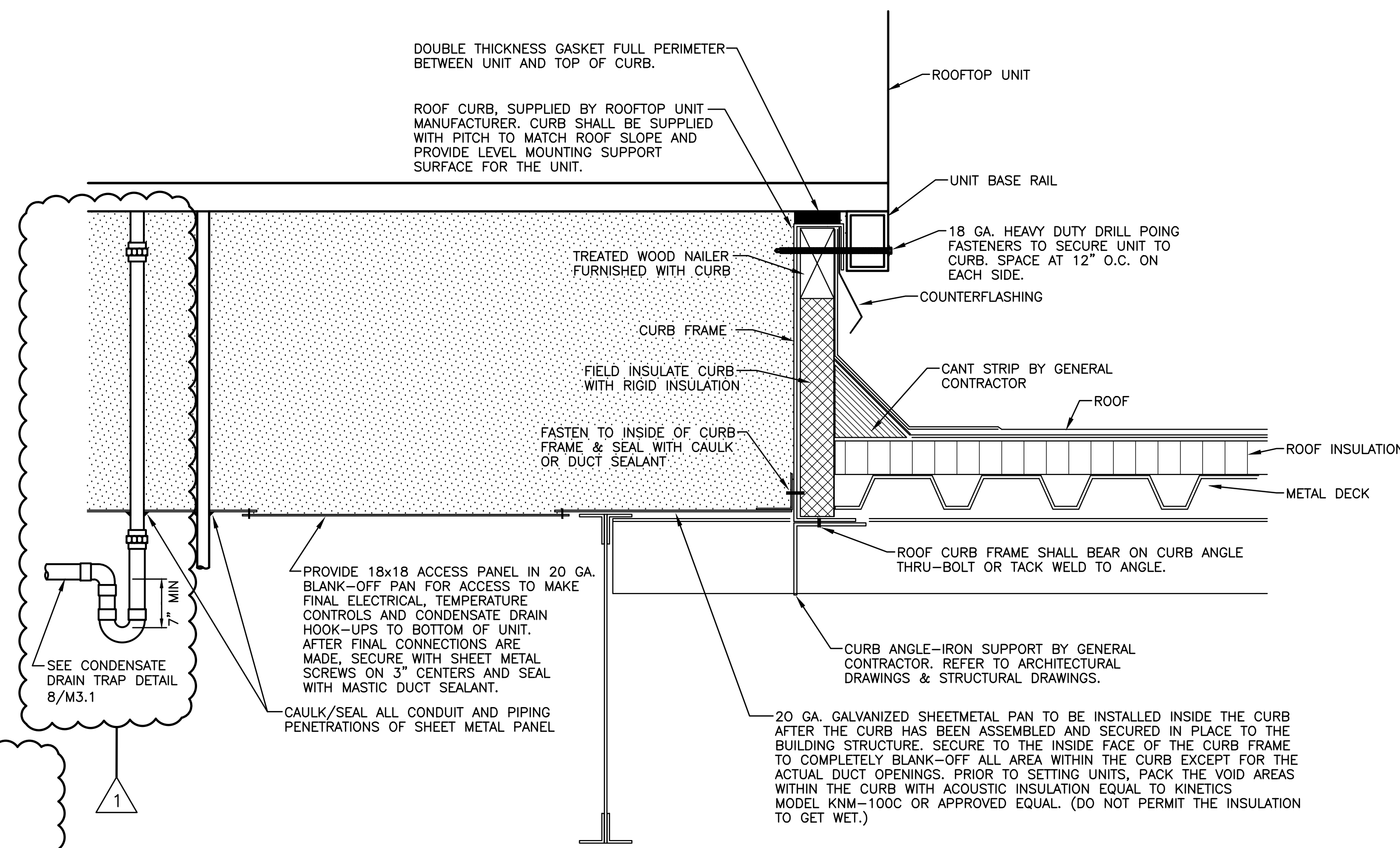
7 WALL PENETRATION - EXTERNALLY INSULATED DUCT

NOT TO SCALE



8 CONDENSATE DRAIN TRAP DETAIL

NOT TO SCALE



6 ROOF CURB & FLASHING DETAIL

NOT TO SCALE

FAN SCHEDULE

MARK	SERVICE	CFM	MAX SONE RATING	EST. S.P.W.G.	MOTOR H.P.	VOLTS/ PHASE	FAN WHEEL			DISCHARGE	TYPE	REMARKS
							MAX. RPM	DRIVE	DIA. IN.			
EF-B9	RESTROOM	75	10	0.10	1/30	277/1	1550	DIRECT	—	ROOF	ROOF	(1) 3
EF-B10	RESTROOM	75	10	0.10	1/30	277/1	1550	DIRECT	—	ROOF	ROOF	(1) 3
EF-B11	RESTROOM	75	10	0.10	1/30	277/1	1550	DIRECT	—	ROOF	ROOF	(1) 3
EF-B12	RESTROOM	75	10	0.10	1/30	277/1	1550	DIRECT	—	ROOF	ROOF	(1) 3
EF-B8	RESTROOM	75	—	—	—	—	—	—	—	ROOF	ROOF	(2) 3

- ① PROVIDE INTEGRAL DISCONNECT, BIRDSCREEN, AND BACKDRAFT DAMPER.
- ② RELOCATE EXISTING EXHAUST FAN FOR RELOCATED RESTROOM
- ③ INTERLOCK W/ LIGHT SWITCH

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	NECK SIZE	FACE SIZE	MAX. N.C. RATING	MAXIMUM S.P. DROP, IN.	REMARKS
①	6"ø	12x12	30	0.1	①
②	8"ø	24x24	30	0.1	①
③	22x22	24x24	30	0.1	②
④	6"ø	24x24	30	0.1	①

- ① SUPPLY AIR DEVICE TO BE LOUVERED FACE TYPE EQUAL TO TITUS TMS
- ② RETURN/EXHAUST AIR DEVICE TO BE EGG CRATE TYPE EQUAL TO TITUS 45F SERIES

PACKAGED ROOFTOP UNIT SCHEDULE

MARK	SUPPLY AIR CFM	OSA CFM	SEER	EXT. S.P.W.G	VOLTS/ PHASE	MCA/ MOCP	REFR. TYPE	DX COOLING COIL				GAS HEATING SECTION			REMARKS
								ENT. AIR TEMP.		SENSIBLE MBTU/HR	TOTAL BTU/HR	ENT. AIR TEMP °F	LVG. AIR TEMP °F	OUTPUT MBTU/HR	
								db°F	wb°F						
RTU-B7	1375	415	17	0.5	460/3	15.2/20	R410a	83.5	69.5	41.97	59.53	49	90	64	(1x2x3)
RTU-B8	1375	415	17	0.5	460/3	15.2/20	R410a	84.0	69.9	42.18	59.96	49	90	64	(1x2x3)
RTU-B9	1375	415	17	0.5	460/3	15.2/20	R410a	83.5	69.5	41.97	59.53	49	90	64	(1x2x3)
RTU-B10	1375	415	17	0.5	460/3	15.2/20	R410a	83.9	69.7	42.66	60.06	49	90	64	(1x2x3)

- ② HOT GAS REHEAT

SEQUENCE OF OPERATIONS
RTU FLOW

BUILDING AUTOMATION SYSTEM INTERFACE:

THE BUILDING AUTOMATION SYSTEM (BAS) WILL SEND THE CONTROLLER OCCUPIED BYPASS, MORNING WARM-UP / PRE-COOL, OCCUPIED / UNOCCUPIED AND HEAT / COOL MODES. IF A BAS IS NOT PRESENT, OR COMMUNICATION IS LOST WITH THE BAS THE CONTROLLER WILL OPERATE USING DEFAULT MODES AND SETPOINTS.

OPTIMAL START:

THE BAS WILL MONITOR THE SCHEDULED OCCUPIED TIME, OCCUPIED SPACE SETPOINTS AND SPACE TEMPERATURE TO CALCULATE WHEN THE OPTIMAL START OCCURS.

MORNING WARM-UP MODE:

DURING OPTIMAL START, IF THE SPACE TEMPERATURE IS BELOW THE OCCUPIED HEATING SETPOINT A MORNING WARM-UP MODE WILL BE ACTIVATED. WHEN MORNING WARM-UP IS INITIATED THE UNIT WILL ENABLE THE HEATING AND SUPPLY FAN. THE OUTSIDE AIR DAMPER WILL REMAIN CLOSED. WHEN THE SPACE TEMPERATURE REACHES THE OCCUPIED HEATING SETPOINT (ADJ.), THE UNIT WILL TRANSITION TO THE OCCUPIED MODE.

OPTIMAL STOP:

THE BAS WILL MONITOR THE SCHEDULED UNOCCUPIED TIME, OCCUPIED SETPOINTS AND SPACE TEMPERATURE TO CALCULATE WHEN THE OPTIMAL STOP OCCURS. WHEN THE OPTIMAL STOP MODE IS ACTIVE THE UNIT CONTROLLER WILL MAINTAIN THE SPACE TEMPERATURE TO THE SPACE TEMPERATURE OFFSET SETPOINT.

OCCUPIED BYPASS:

THE BAS WILL MONITOR THE STATUS OF THE "ON" AND "CANCEL" BUTTONS OF THE SPACE TEMPERATURE SENSOR. WHEN AN OCCUPIED BYPASS REQUEST IS RECEIVED FROM A SPACE SENSOR, THE UNIT WILL TRANSITION FROM ITS CURRENT OCCUPANCY MODE TO OCCUPIED BYPASS MODE AND THE UNIT WILL MAINTAIN THE SPACE TEMPERATURE TO THE OCCUPIED SETPOINTS (ADJ.).

HEATING MODE:

THE UNIT CONTROLLER WILL MONITOR SPACE TEMPERATURE AND SPACE TEMPERATURE HEATING SETPOINT TO DETERMINE WHEN TO INITIATE REQUESTS FOR HEAT. WHEN THE SPACE TEMPERATURE DROPS BELOW THE SPACE TEMPERATURE HEATING SETPOINT, THE CONTROLLER WILL ENABLE THE FIRST STAGE OF HEAT. IF ADDITIONAL HEATING CAPACITY IS REQUIRED THE SECOND STAGE OF HEAT WILL BE ENABLED. THE SUPPLY FAN WILL REMAIN AT 100% DURING HEATING OPERATION. ONCE THE SPACE TEMPERATURE RISES ABOVE THE SETPOINT, THE HEATING STAGES WILL BE DISABLED AND THE SUPPLY FAN SPEED WILL VARY ACCORDING TO VENTILATION AND COOLING MODES.

DEHUMIDIFICATION:

FACTORY INSTALLED HOT GAS REHEAT WILL ALLOW APPLICATION OF DEHUMIDIFICATION. DEHUMIDIFICATION WILL BE ALLOWED ONLY WHEN THE OUTSIDE AIR TEMPERATURE IS ABOVE 40.0 DEG. F AND BELOW 100.0 DEG. F. THE ECONOMIZER OUTSIDE AIR DAMPER WILL DRIVE TO MINIMUM POSITION DURING DEHUMIDIFICATION.

ON A CALL FOR DEHUMIDIFICATION, THE REHEAT VALVE WILL ENERGIZE AND THE COMPRESSOR WILL ENABLE. WHEN THE HUMIDITY CONTROL SETPOINT IS SATISFIED, THE VALVE WILL BE DE-ENERGIZED AND THE COMPRESSOR WILL BE DISABLED. IF THERE IS A CALL FOR COOLING FROM THE SPACE TEMPERATURE CONTROLLER, WHILE IN REHEAT, THE REHEAT VALVE WILL BE DE-ENERGIZED AND THE COMPRESSOR CONTINUES TO RUN.

DEMAND CONTROL VENTILATION (DCV):

AS THE SUPPLY FAN SPEED COMMAND VARIES BETWEEN MINIMUM AND MAXIMUM, THE BUILDING DESIGN AND DCV MINIMUM POSITION TARGETS WILL BE CALCULATED LINEARLY BETWEEN THE USER SELECTED SETPOINTS BASED ON THE INSTANTANEOUS SUPPLY FAN SPEED. THE BLDG. DESIGN AND DCV MINIMUM POSITION TARGETS WILL BE USED TO CALCULATE THE ACTIVE OA DAMPER MINIMUM POSITION TARGET BASED ON CO2 LEVELS RELATIVE TO THE ACTIVE DESIGN AND DCV CO2 SETPOINTS (1000 PPM).

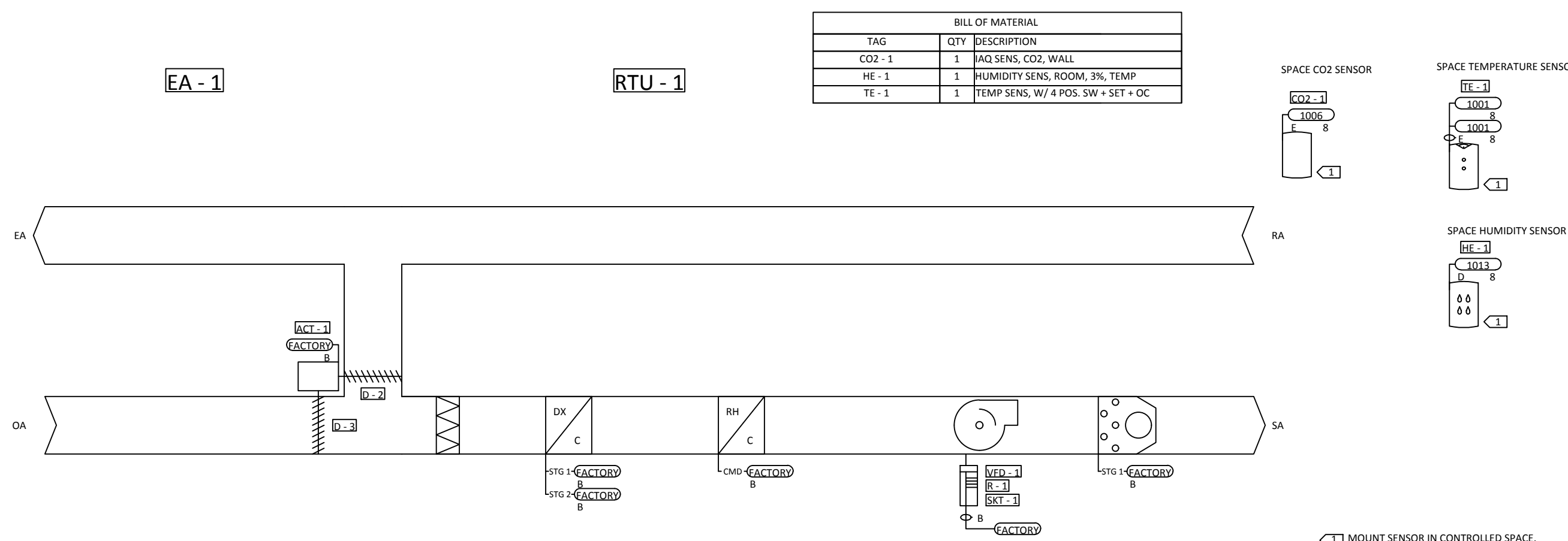
THE DESIGN MINIMUM AND DCV MINIMUM OA DAMPER POSITION SETPOINTS AT MINIMUM FAN SPEED COMMAND AND THE DESIGN MINIMUM OA DAMPER POSITION SETPOINT AT MIDDLE FAN SPEED COMMAND WILL HAVE A RANGE OF 0-100% WHILE THE DESIGN MINIMUM AND DCV MINIMUM OA DAMPER POSITION SETPOINTS AT FULL FAN SPEED WILL HAVE A RANGE OF 0-50%.

SUPPLY FAN OPERATION:

THE SUPPLY FAN WILL BE ENABLED WHILE IN THE OCCUPIED MODE AND CYCLED ON DURING THE UNOCCUPIED MODE. THE UNIT CONTROLLER WILL VARY THE SUPPLY FAN SPEED TO OPTIMIZE MINIMUM FAN SPEED IN ALL COOLING MODES.

ENHANCED DEHUMIDIFICATION:

IF SPACE HUMIDITY EXCEEDS THE DEHUMIDIFICATION SETPOINTS, THE UNIT WILL ENERGIZE THE FIRST STAGE OF COMPRESSOR OPERATION WITH SUPPLY FAN AT MEDIUM SPEED. IF SPACE HUMIDITY FALLS BELOW THE DEHUMIDIFICATION SETPOINT, THE UNIT WILL TRANSITION BACK TO NORMAL HEATING OR COOLING CONTROL. IF THE SPACE HUMIDITY IS NOT RECOVERING TOWARDS THE DEHUMIDIFICATION SETPOINT IN ENHANCED DEHUMIDIFICATION MODE THEN THE UNIT WILL TRANSITION TO FULL HOT GAS REHEAT DEHUMIDIFICATION MODE.

 MOUNT SENSOR IN CONTROLLED SPACE

CLASSROOM ADDITION TO
LEWISBURG PRIMARY SCHOOL

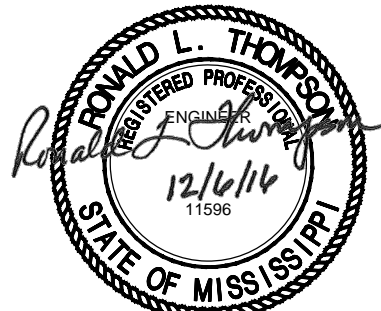
1707 Craft Road
Olive Branch, MS 38664

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

1	ADDENDUM NO. 1	1.12.17
No.	Revision	Date

LEGEND, NOTES, PIPING SCHEMATIC,
RISER AND SCHEDULES - PLUMBING

JOB NO: 62557
DATE: 12.06.16
DRAWN: TLJ
CHECKED: RLT
CAD FILE: PO.1.dwg



LEWISBURG PRIMARY

PO.1

LEGEND

SYMBOL	DESCRIPTION
	SANITARY WASTE (S.W.)
	SANITARY VENT (S.V.)
	STORM DRAIN (S.D.)
	CONDENSATE DRAIN (CD)
	COLD WATER (C.W.)
	HOT WATER SUPPLY (H.W.)
	HOT WATER RETURN (H.W.R.)
	EXISTING SANITARY WASTE
	EXISTING SANITARY VENT
	EXISTING STORM DRAIN
	EXISTING CONDENSATE DRAIN
	EXISTING COLD WATER
	EXISTING HOT WATER SUPPLY
	EXISTING HOT WATER RETURN
	PIPING TO BE DEMOLISHED
	BALANCING VALVE (B.V.)
	CLEAN-OUT (C.O.)
	VENT THRU ROOF (V.T.R.)
	NEW CONNECTION

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR	ELEC.	ELECTRICAL
AB.	ABOVE	F.F.	FINISHED FLOOR
BEL.	BELOW	FCO.	FLOOR CLEANOUT
B.V.	BALANCING VALVE	HORIZ.	HORIZONTAL
ELEC.	ELECTRICAL	MECH.	MECHANICAL
C'TOP.	COUNTERTOP	OPNG.	OPENING
CLG.	CEILING	REQD.	REQUIRED
CONN.	CONNECT(ION)	S.A.	SHOCK ABSORBER
CO.	CLEANOUT	SECT.	SECTION
CONC.	CONCRETE	STRUCT.	STRUCTURAL
DN.	DOWN	S.S.	STAINLESS STEEL
DISCH.	DISCHARGE	TYP.	TYPICAL
DWG.	DRAWING	U.N.O.	UNLESS NOTED OTHERWISE
ELEV.	ELEVATION		

GENERAL NOTES:

- DRAWINGS SHOW ONLY THE KNOWN SERVICES IN THE VICINITY OF THE PROJECT AREA.
- CONTRACTOR SHALL REMOVE, REWORK AND/OR REROUTE EXISTING SERVICES AS REQUIRED TO ACCOMPLISH THE WORK REQUIRED BY THIS CONTRACT.
- CONTRACTOR SHALL VISIT THE PROJECT SITE AND FIELD VERIFY LOCATIONS, ELEVATIONS, SIZES AND DIRECTION OF FLOW FOR ALL EXISTING SERVICES PRIOR TO STARTING CONSTRUCTION.
- EXISTING SERVICES TO REMAIN OR TO BE RELOCATED SHALL BE REPAIRED TO ORIGINAL OPERATION OR REPLACED SHOULD THEY BE DAMAGED DURING CONSTRUCTION.
- ALL EXISTING WORK NOT SHOWN ON THESE DRAWINGS SHALL REMAIN AS-IS UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL COORDINATE THE DISRUPTION OF ANY SERVICE WITH THE LOCAL OWNER'S REPRESENTATIVE. A MINIMUM OF 72 HOURS PRIOR TO SAID DISRUPTION TO MINIMIZE ANY INCONVENIENCE TO THE OWNER/USER.
- CONTRACTOR SHALL COORDINATE INSTALLATION WITH ALL DISCIPLINES INVOLVED TO AVOID ANY PIPE ROUTING PROBLEMS. IN THE EVENT CONFLICTS ARE ENCOUNTERED WHICH CANNOT BE RESOLVED BY THE TRADES INVOLVED, THE ENGINEER SHALL BE CONSULTED AND HIS DECISION SHALL GOVERN.
- ALL VENTS SHALL BE A MINIMUM OF 12'-0" AWAY FROM ALL FRESH AIR INTAKES FOR AIR HANDLING UNITS.
- ALL PIPING SHOWN ON THESE DRAWINGS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
- PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE SLEEVED AND/OR PATCHED AS DIRECTED BY THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
- ALL WORK SHOWN IS PART OF BASE BID EXCEPT WHERE OTHERWISE DESIGNATED.
- SEISMICALLY BRACE ALL PIPE AS REQUIRED BY LOCAL CODE.
- FIELD VERIFY CEILING SPACES AND CONDENSATE DRAIN PIPE ROUTING PRIOR TO CONSTRUCTION.

FIXTURE SCHEDULE

FIXTURE	DESCRIPTION	TRAP SIZE	MIN. SIZE CONN.			
			SW	SV	CW	HW
P-1A	WATER CLOSET: (FLOOR MOUNTED, FLUSH VALVE, REGULAR) STANDARD WHITE VITREOUS CHINA, ELONGATED BOWL, FLOOR MOUNTED, FLOOR OUTLET, SIPHON JET ACTION. 1-1/2" TOP SPUD, 1.6 GPF, FLUSH VALVE OPERATED, KOHLER WELLCOMME K-4350. SEAT TO BE ELONGATED, OPEN FRONT, SOLID PLASTIC LESS COVER, AND WHITE WITH SELF-SUSTAINING CHECK HINGES, BEMIS 1955SSC. FLUSH VALVE TO BE 1.6 GPF, ZURN Z-6000XL-WS1 WITH TRAP PRIMER WHERE INDICATED, SEE FLOOR PLANS.	INT.	4"	2"	1"	---
P-2A	LAVATORY (WALL-HUNG, GENERAL): WHITE VITREOUS CHINA, KOHLER KINGSTON K-2005. FAUCET SHALL BE CHROME-PLATED BRASS, DUAL HANDLES WITH 4" CENTERSET, DELTA 2500. LAVATORY P. O.'S SHALL BE MCGUIRE 155-A2 C. P. CAST BRASS P.O. WITH 1-1/4" X 17 GAUGE THREADED TAILPIECE P-TRAP TO BE 1-1/2" SEMI-CAST BRASS LESS CLEANOUT, EBC, INC TAN-150. LAVATORY CARRIER SHALL BE WADE 520. SUPPLIES AND LOOSE-KEY STOPS, BRASSCRAFT. REFER TO ARCHITECTURAL SERIES FOR MOUNTING HEIGHTS. PROVIDE INSULATION, HANDI-LAV-GUARD BY TRUEBRO ON ALL EXPOSED FIXTURE TRIM.	1-1/4"	1-1/4"	2"	1/2"	1/2"
P-3A	SINK (KINDERGARTEN CLASSROOM): SINGLE BOWL, 304 TYPE 18 GA. STAINLESS STEEL, SLX-2217-A-QR. FAUCET SHALL BE CHROME-PLATED BRASS GOOSENECK WITH 8" DECKMOUNT, DELTA 26T2943. PROVIDE STRAINER BASKET. P-TRAP SHALL BE 17-GAUGE WITH CP CAST BRASS NUTS LESS CLEANOUT, BRASSCRAFT. SUPPLIES AND LOOSE-KEY STOPS, BRASSCRAFT.	1-1/2"	1-1/2"	2"	1/2"	1/2"
P-3B	SINK, EXISTING (KINDERGARTEN CLASSROOM): RELOCATE EXISTING SINGLE BOWL STAINLESS STEEL SINK AND FAUCET. PROVIDE NEW STRAINER BASKET. P-TRAP SHALL BE 17-GAUGE WITH CP CAST BRASS NUTS LESS CLEANOUT, BRASSCRAFT. SUPPLIES AND LOOSE-KEY STOPS, BRASSCRAFT.	1-1/2"	1-1/2"	2"	1/2"	1/2"
P-4A	WALL HYDRANT (EXTERIOR NON-FREEZE, BOX): NON-FREEZE WALL HYDRANT WITH COLD WATER STRAIGHT INLET CONNECTIONS; BRONZE HEAD, CASING, AND BOX WITH LOCKING LID; ANTI-SIPHON BACKFLOW PREVENTER; LOOSE KEY OPERATION; WADE 8600L+2-175. REFER TO ARCHITECTURAL SERIES FOR MOUNTING HEIGHTS.	---	---	---	3/4"	---

DRAIN SCHEDULE

FIXTURE	DESCRIPTION	TRAP SIZE	MIN. SIZE CONN.	
			SW	SV
FD-1	FLOOR DRAIN (STANDARD): CAST IRON FLOOR DRAIN WITH FLANGE, 1/2" PRIMER TAP, COLLAR, SEEPAGE OPENINGS, ADJUSTABLE 8" DIAMETER NICKEL-BRONZE STRAINER WITH VANDAL-PROOF SCREW, WADE 1103STD8-TY. PROVIDE 12" DEEP SEAL P-TRAP. SET TOP AT 1/2" BFF.	3"	3"	2"

NOTE: SEE STRUCTURAL (S-SERIES) DRAWINGS FOR FLOORS SLOPING TO DRAIN. IN ALL OTHER FLOOR DRAIN LOCATIONS, FLOOR SHALL SLOPE IN A 4' RADIUS DIMPLE WHERE APPROPRIATE. COORDINATE ALL FLOOR DRAIN LOCATIONS WITH TOILET PARTITION LAYOUT.

CLEANOUT SCHEDULE

FIXTURE	DESCRIPTION
WCO	WALL ACCESS COVER (ALL AREAS): ROUND ST STL ACCESS COVER WITH 1/4-20 X 3-1/2" CENTER SCREW TO BE USED WITH 3" COUNTERSINK CO PLUG W/ A 1/4"-20 TAPPED HOLE, WADE W-8480R8.
FCO	FLOOR CLEANOUT (GENERAL): CAST IRON CLEANOUT W/ THREADED, ADJUSTABLE HOUSING, FLANGED FERRULE W/ TAPERED BRASS PLUG, ROUND SECURED NICKEL BRONZE SCORiated TOP. WADE W-6004Z-TY.
GCO	GRADE CLEANOUT (GENERAL): CAST IRON CLEANOUT W/ THREADED, ADJUSTABLE HOUSING, FLANGED FERRULE W/ TAPERED BRASS PLUG, ROUND SECURED NICKEL BRONZE VENEER TRACTOR TYPE COVER WITH SECURITY SCREWS, WADE W-6004Z-179-TY.

BACK-TO-BACK TOILET RISER

NOT TO SCALE

TYPICAL TOILET RISER

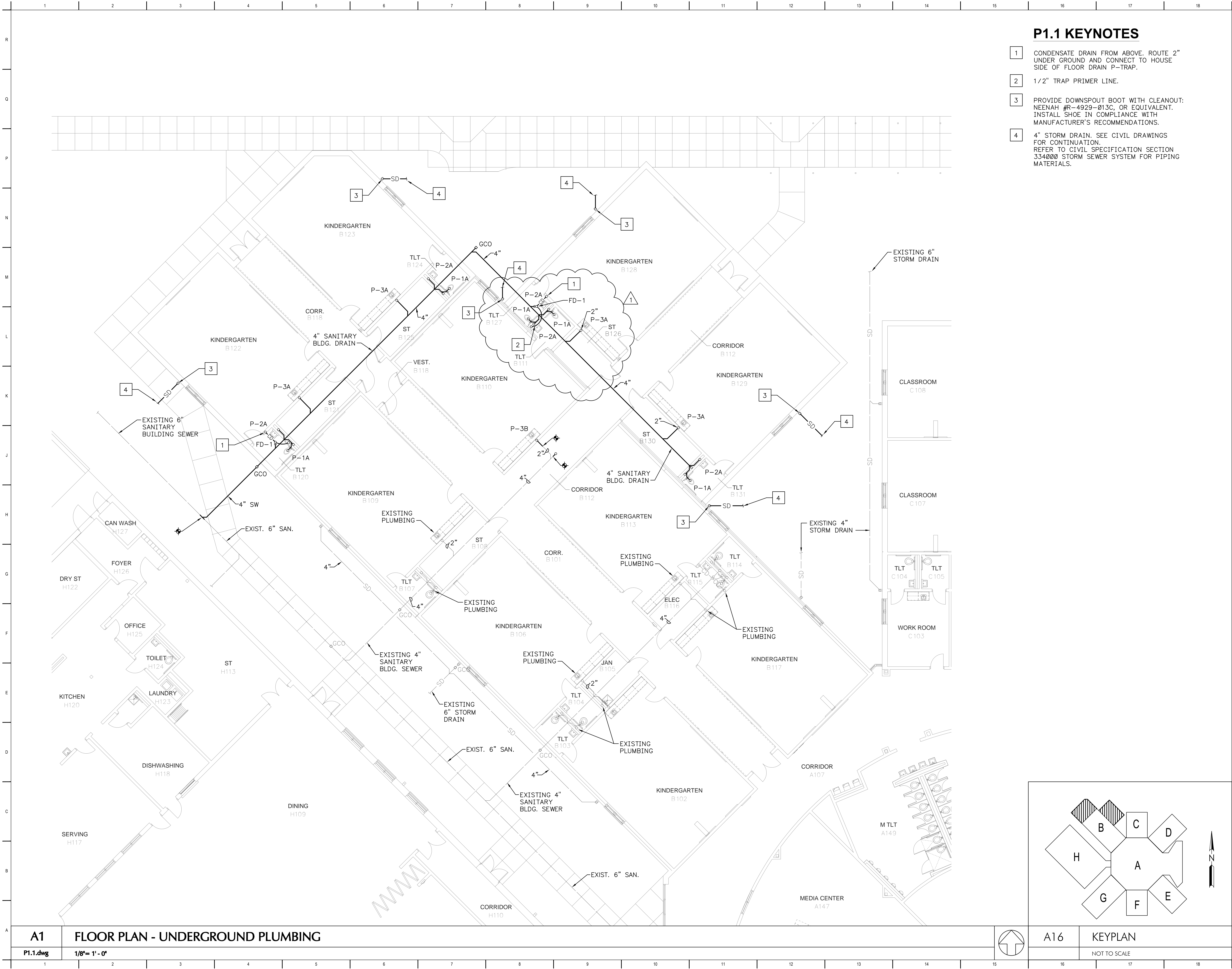
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SHOCK ABSORBER PIPE SCHEMATIC

NOT TO SCALE

DOWNSPOUT SHOE PIPING SCHEMATIC

NOT TO SCALE



P1.1 KEYNOTES

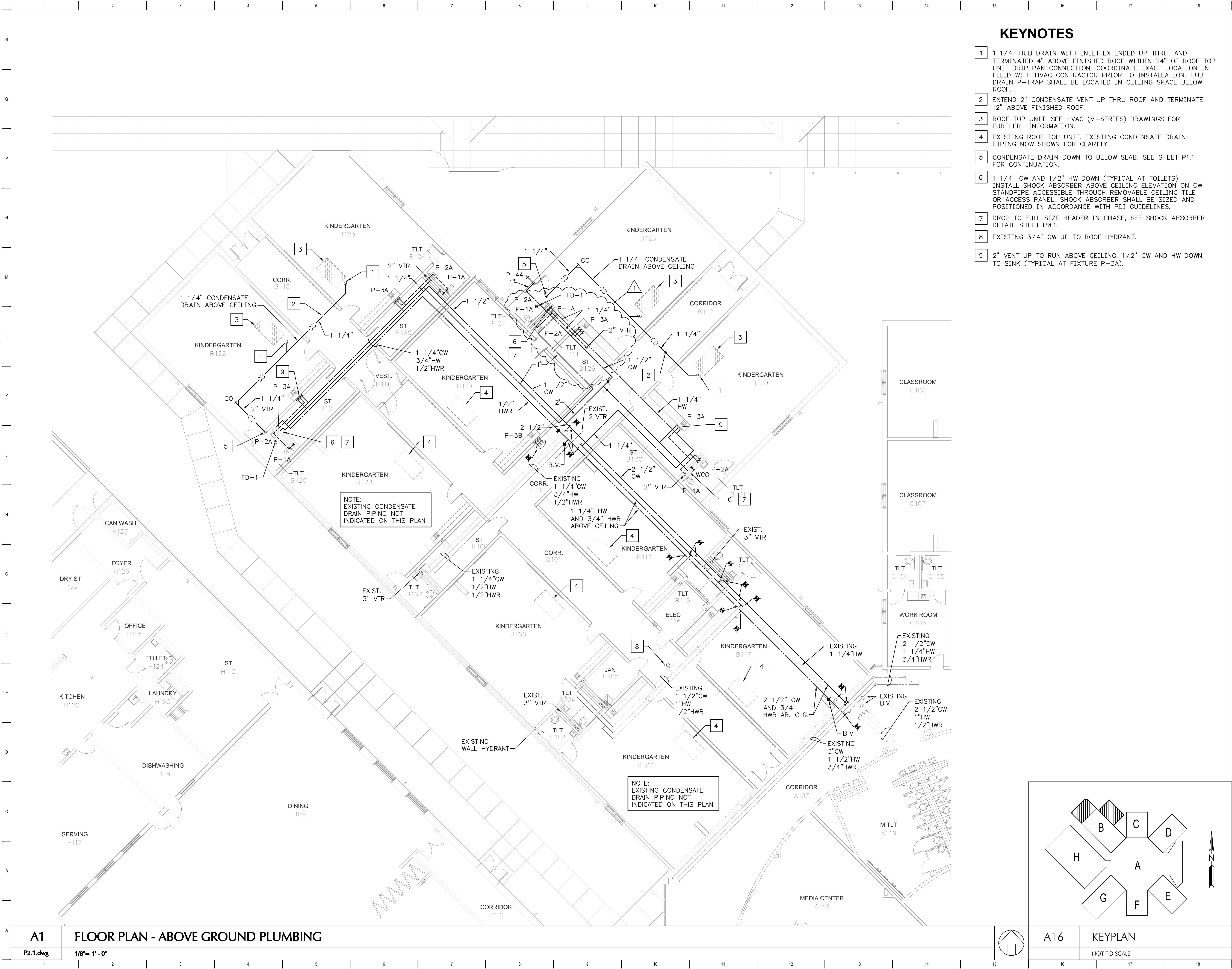
- 1 CONDENSATE DRAIN FROM ABOVE. ROUTE 2" UNDER GROUND AND CONNECT TO HOUSE SIDE OF FLOOR DRAIN P-TRAP.
- 2 1/2" TRAP PRIMER LINE.
- 3 PROVIDE DOWNSPOUT BOOT WITH CLEANOUT: NEENAH #R-4929-013C, OR EQUIVALENT. INSTALL SHOE IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 4 4" STORM DRAIN. SEE CIVIL DRAWINGS FOR CONTINUATION. REFER TO CIVIL SPECIFICATION SECTION 334000 STORM SEWER SYSTEM FOR PIPING MATERIALS.

Desoto County School District		
5 East South Street, Hernando, Mississippi 38632		
1	ADDENDUM NO. 1	1.12.17
No.	Revision	Date

FLOOR PLAN -
UNDERGROUND PLUMBING

JOB NO: 62557
DATE: 12.06.16
DRAWN: TLT
CHECKED: RLT
CAD FILE: P1.1.dwg





KEYNOTES

- 1 1 1/4" HUB DRAIN WITH INLET EXTENDED UP THRU, AND TERMINATED 4" ABOVE FINISHED ROOF WITHIN 24" OF ROOF TOP UNIT DRIP PAN CONNECTION. COORDINATE EXACT LOCATION IN FIELD WITH HVAC CONTRACTOR PRIOR TO INSTALLATION. HUB DRAIN P-TRAP SHALL BE LOCATED IN CEILING SPACE BELOW ROOF.
- 2 EXTEND 2" CONDENSATE VENT UP THRU ROOF AND TERMINATE 12" ABOVE FINISHED ROOF.
- 3 ROOF TOP UNIT, SEE HVAC (M-SERIES) DRAWINGS FOR FURTHER INFORMATION.
- 4 EXISTING ROOF TOP UNIT. EXISTING CONDENSATE DRAIN PIPING NOW SHOWN FOR CLARITY.
- 5 CONDENSATE DRAIN DOWN TO BELOW SLAB. SEE SHEET P1.1 FOR CONTINUATION.
- 6 1 1/4" CW AND 1/2" HW DOWN (TYPICAL AT TOILETS). INSTALL SHOCK ABSORBER ABOVE CEILING ELEVATION ON CW STANDPIPE ACCESSIBLE THROUGH REMOVABLE CEILING TILE OR ACCESS PANEL. SHOCK ABSORBER SHALL BE SIZED AND POSITIONED IN ACCORDANCE WITH PDI GUIDELINES.
- 7 DROP TO FULL SIZE HEADER IN CHASE, SEE SHOCK ABSORBER DETAIL SHEET P0.1.
- 8 EXISTING 3/4" CW UP TO ROOF HYDRANT.
- 9 2" VENT UP TO RUN ABOVE CEILING. 1/2" CW AND HW DOWN TO SINK (TYPICAL AT FIXTURE P-3A).

CLASSROOM ADDITION TO
LEWISBURG PRIMARY SCHOOL

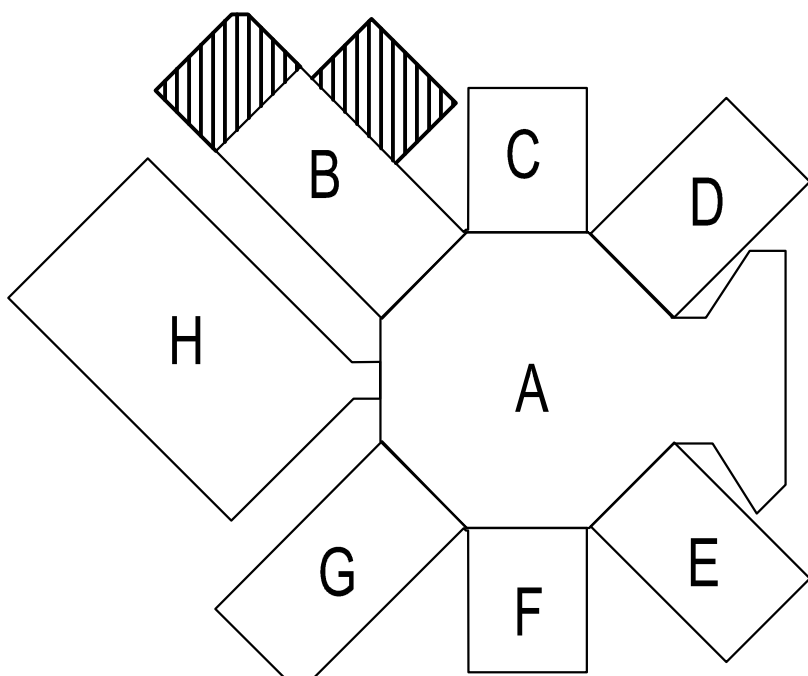
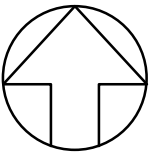
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Olive Branch, MS 38654

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

1	ADDENDUM NO. 1	1.12.17
No.	Revision	Date

LEGEND,NOTES AND FLOOR PLAN -
ABOVE GROUND PLUMBING




JOB NO: 62557
DATE: 12.06.16
DRAWN: TLJ
CHECKED: RLT
CAD FILE: P2.1.dwg



KEYPLAN

NOT TO SCALE

LEGEND

SYMBOL	DESCRIPTION
	A/S AUTOMATIC SPRINKLER
	EXISTING AUTOMATIC SPRINKLER
	NEW CONNECTION

ABBREVIATIONS

A.F.F. ABOVE FINISHED FLOOR	F.F. FINISHED FLOOR
AB. ABOVE	FCO. FLOOR CLEANOUT
ARCH. ARCHITECTURAL	HORIZ. HORIZONTAL
BEL. BELOW	MECH. MECHANICAL
CLG. CEILING	OPNG. OPENING
CONN. CONNECT(ION)	REQD. REQUIRED
CONC. CONCRETE	SECT. SECTION
DN. DOWN	STRUCT. STRUCTURAL
DWG. DRAWING	S.S. STAINLESS STEEL
ELEV. ELEVATION	TYP. TYPICAL
ELEC. ELECTRICAL	U.N.O. UNLESS NOTED OTHERWISE

FIRE PROTECTION NOTES:

- FURNISH AND INSTALL A COMPLETE 100% HYDRAULICALLY CALCULATED AUTOMATIC SPRINKLER WET PIPE SPRINKLER SYSTEM AS SPECIFIED UNDER DIVISION 21 OF THE SPECIFICATIONS, SERVING AREAS OF BUILDING AS INDICATED ON THE PLANS.
- USE THE FOLLOWING NFPA-13 OCCUPANCY CLASSIFICATIONS IN THE DESIGN OF AND CALCULATIONS FOR THE NEW AUTOMATIC SPRINKLER SYSTEM: LIGHT HAZARD.
- REFER TO THE DRAWINGS FOR SPACE OCCUPANCY CLASSIFICATIONS.
- COORDINATE WITH THE OWNER, LOCAL WATER UTILITY, AND/OR THE LOCAL FIRE DEPARTMENT FOR THE PERFORMANCE OF A FLOW TEST IN ACCORDANCE WITH NFPA-13 REQUIREMENTS. CONDUCT THE FLOW TEST USING TWO FIRE HYDRANTS: THE FIRST FOR THE PRESSURE READINGS WHILE THE SECOND HYDRANT IS FLOWING.
- ALL A/S HEADS SHOWN IN SPACES WITHOUT CLGS. SHALL BE INSTALLED WITHIN 12" OF UNDERSIDE OF ROOF DECK AND IN ACCORDANCE WITH NFPA-13. ADDITIONAL HEADS MAY BE REQUIRED AND SHALL BE PROVIDED AROUND OBSTRUCTIONS IN ACCORDANCE WITH NFPA-13.
- INSTALL SPRINKLER HEADS IN CENTER OF 24" X 24" CEILING TILES AND AT 12" INTERVALS ALONG THE LONG AXIS OF 24" X 48" CEILING TILES. INSTALL HEADS A MINIMUM OF 12" OFF CEILING TILE SUPPORT GRID.
- INSTALL A/S SPRINKLER PIPING AS CLOSE TO STRUCTURE AS POSSIBLE. COORDINATE CEILING CLEARANCES WITH ALL OTHER TRADES PRIOR TO SYSTEM FABRICATION.
- INSTALL ALL SYSTEMS TO MEET THE REQUIREMENTS OF IFC (CURRENT EDITION), NFPA 13, THESE DOCUMENTS, FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION, AND THE OWNER'S INSURANCE UNDERWRITER. NO PART OR SECTION OF NFPA (ALL CHAPTERS) SHALL BE VIOLATED. WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE LESS STRINGENT THAN THE REQUIREMENTS OF THE INSURANCE UNDERWRITER, THE UNDERWRITER'S REQUIREMENTS SHALL TAKE PRECEDENCE.
- THE AUTOMATIC SPRINKLER SYSTEM SHALL BE SUPERVISED IN COMPLIANCE WITH NFPA 13, 8.15.1.1.2.
- COORDINATE WITH ALL DISCIPLINES INVOLVED PRIOR TO FABRICATION OR INSTALLATION TO AVOID ANY PIPE ROUTING PROBLEMS.
- INSTALL PIPE PENETRATIONS THROUGH WALLS AND FLOORS AS DIRECTED BY THE SPECIFICATIONS AND DETAILS. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
- ALL SYSTEM VALVES AND GAUGES SHALL BE ACCESSIBLE FOR INSPECTION AND MAINTENANCE.
- SEISMICALLY BRACE ALL PIPING.
- PRIOR TO CONSTRUCTION, SUBMIT SHOP DRAWINGS FOR THE AUTOMATIC SPRINKLER SYSTEM FOR REVIEW AND APPROVAL. SHOP DRAWINGS SHALL BE PREPARED ACCORDING TO NFPA 13, AND APPROVED AND STAMPED BY THE AUTHORITIES HAVING JURISDICTION. INCLUDE HYDRAULIC CALCULATIONS.

Allen & Hoshall, P.L.L.C.
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CLASSROOM ADDITION TO LEWISBURG PRIMARY SCHOOL

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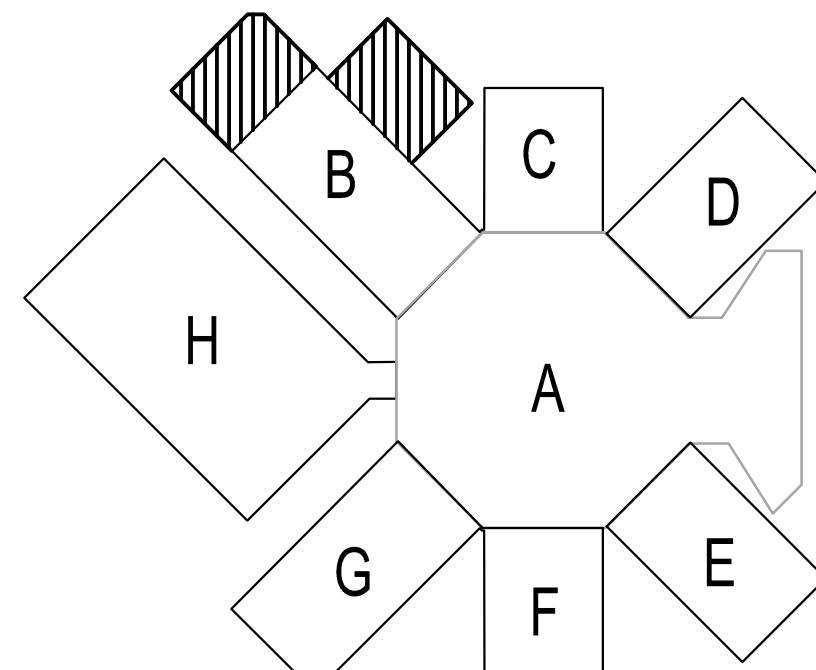
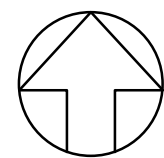
1	ADDENDUM NO. 1	1.12.17
No.	Revision	Date

FLOOR PLAN, LEGEND AND NOTES - FIRE PROTECTION

JOB NO: 62557
DATE: 12.06.16
DRAWN: TLJ
CHECKED: RLT
CAD FILE: FP1.1 FP2.1.dwg

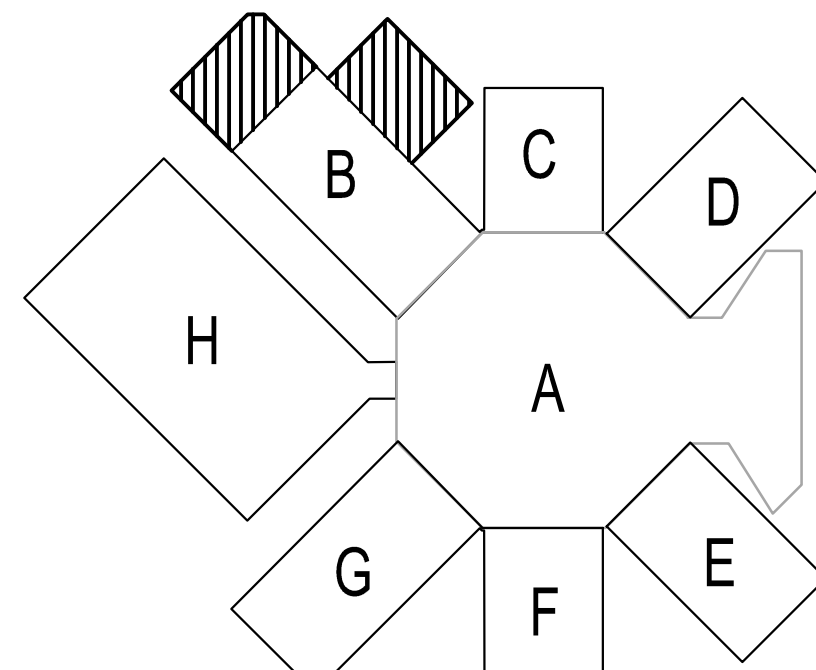
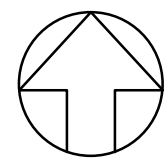


LEWISBURG PRIMARY
FP1.1



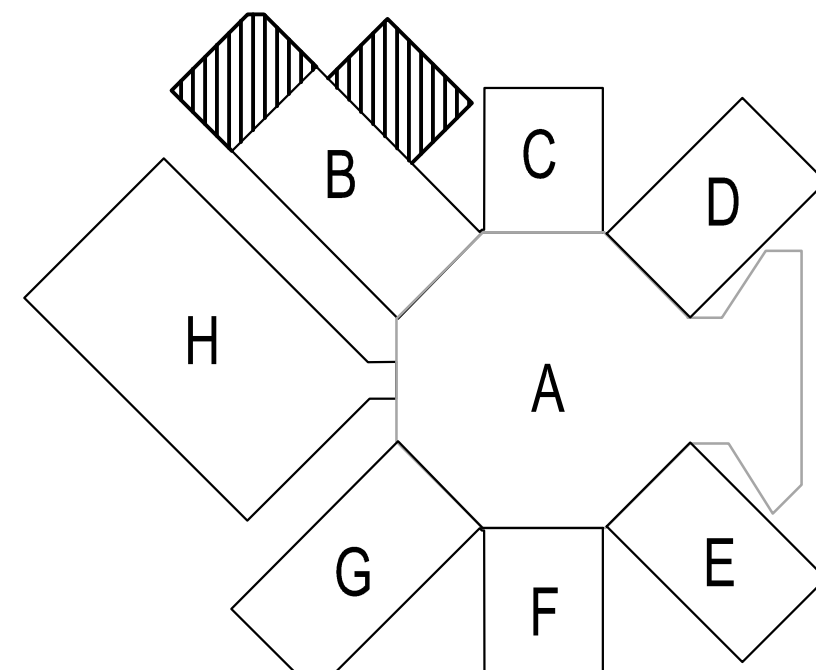
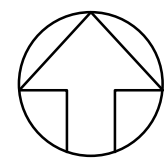
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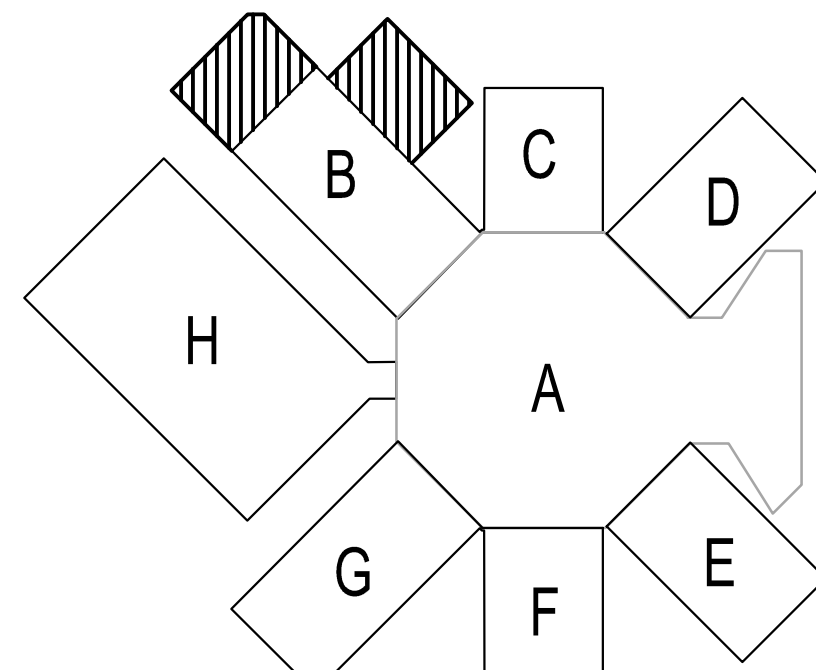
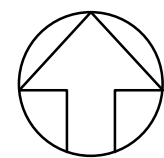
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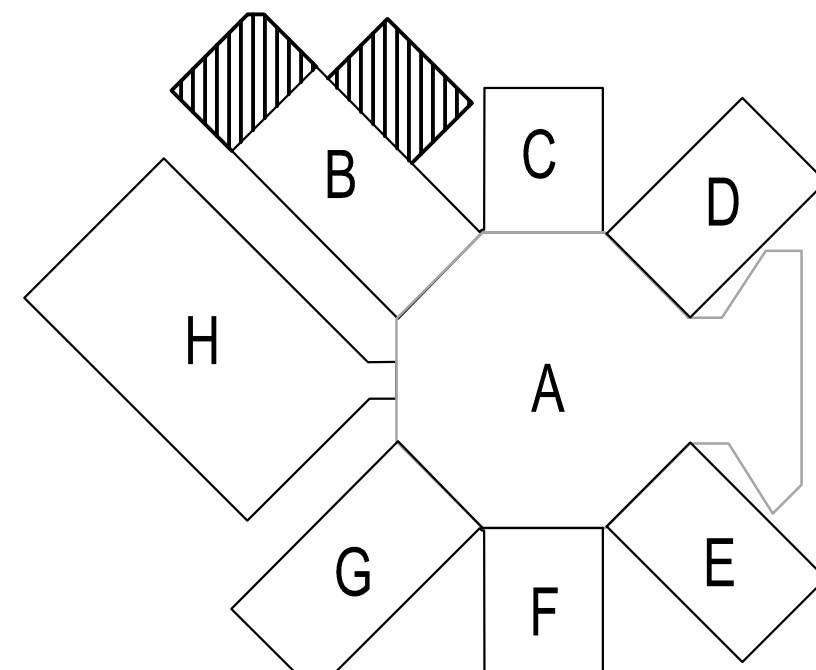
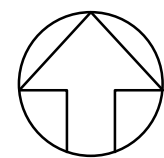
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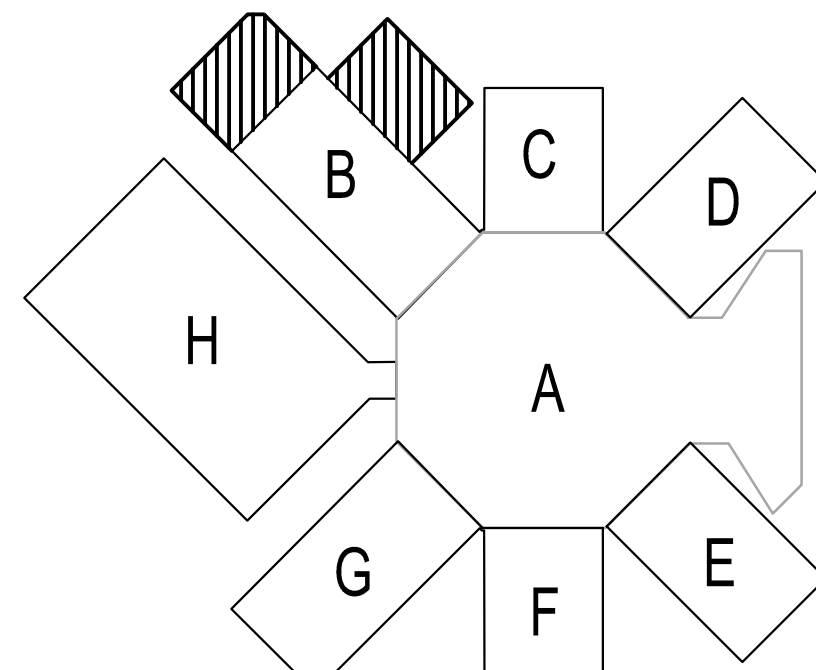
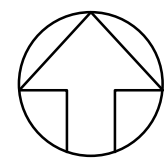
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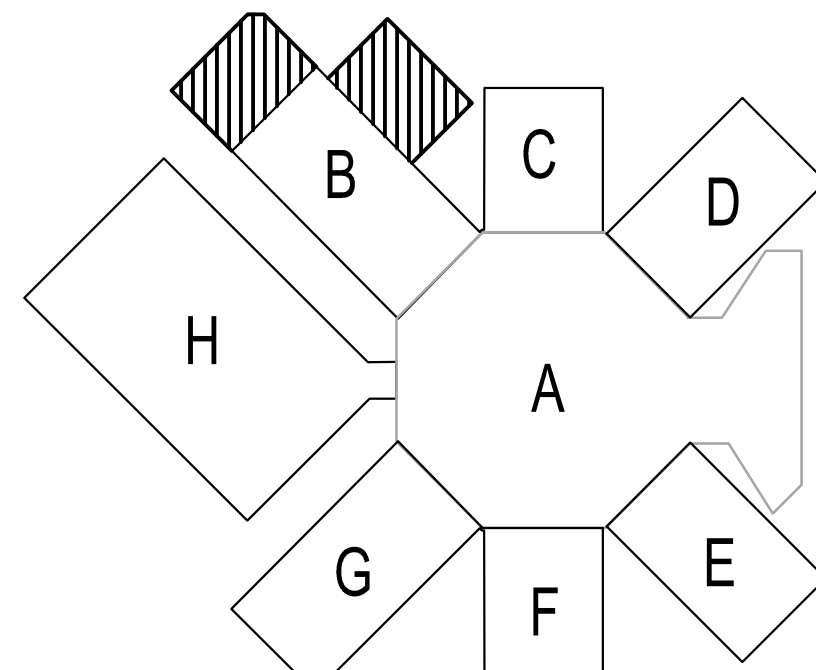
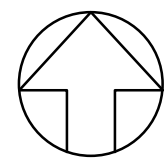
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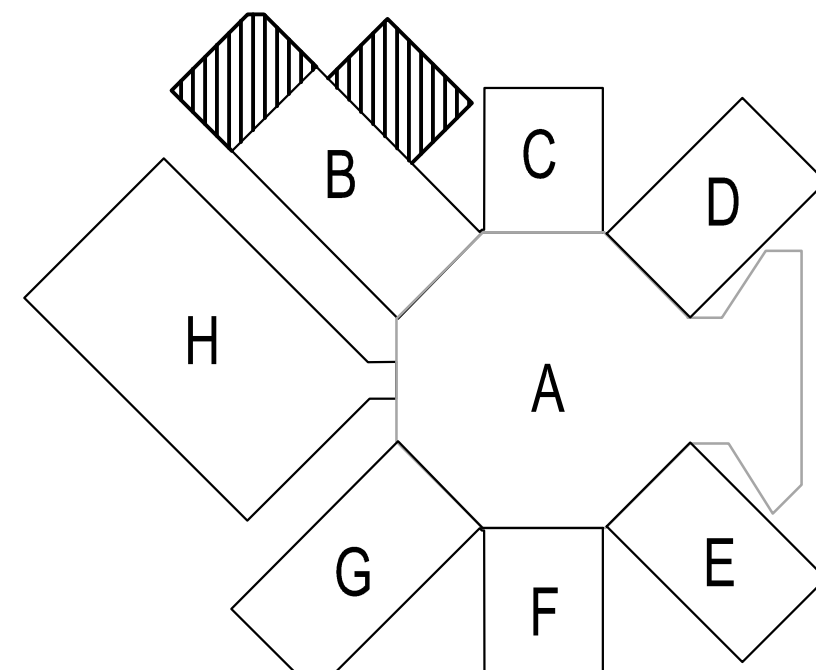
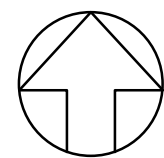
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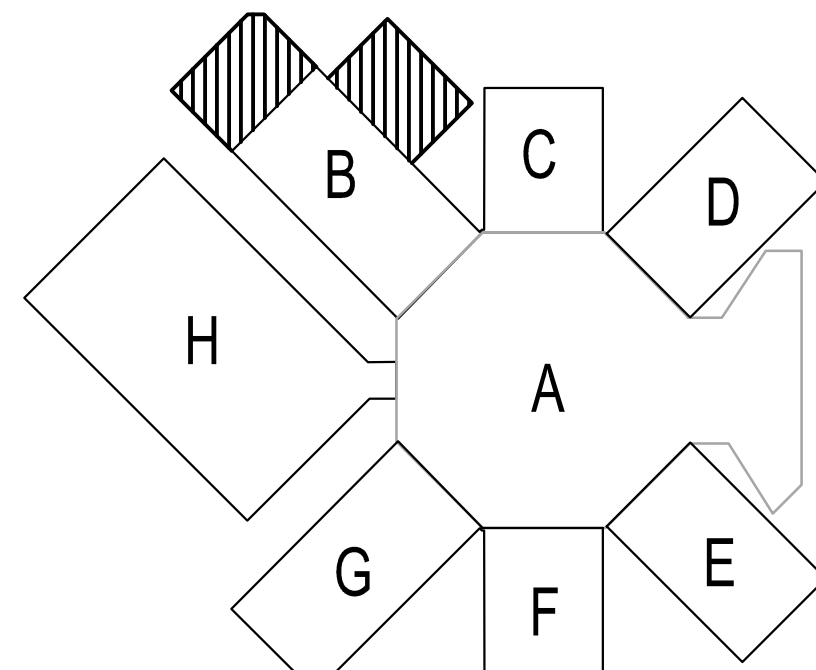
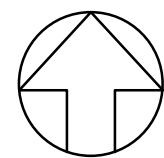
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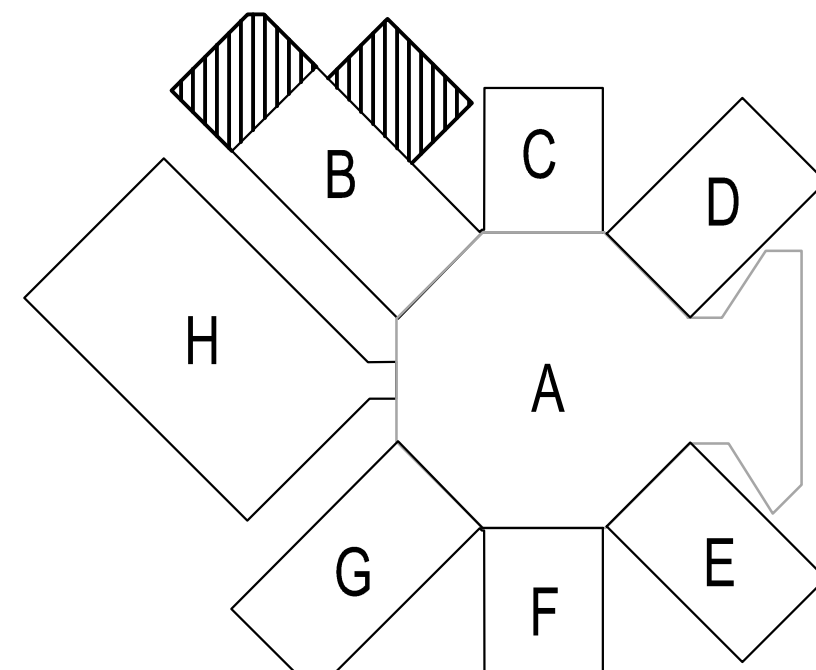
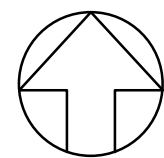
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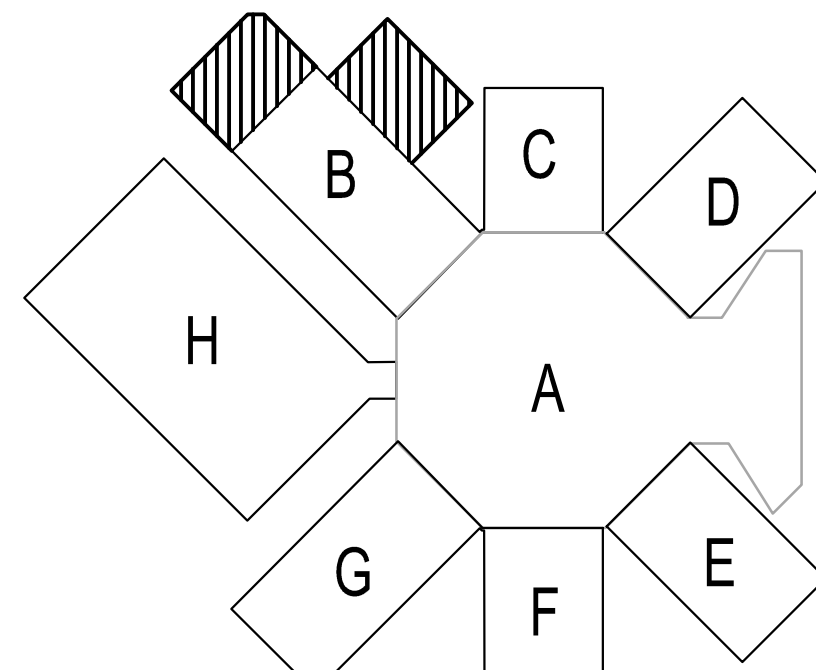
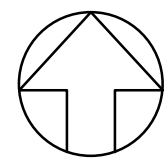
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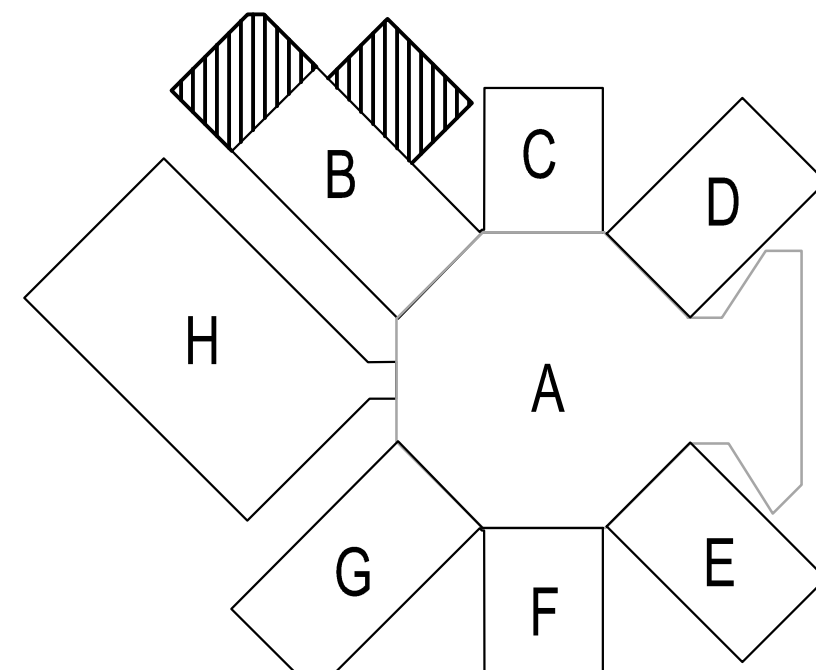
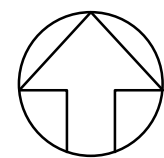
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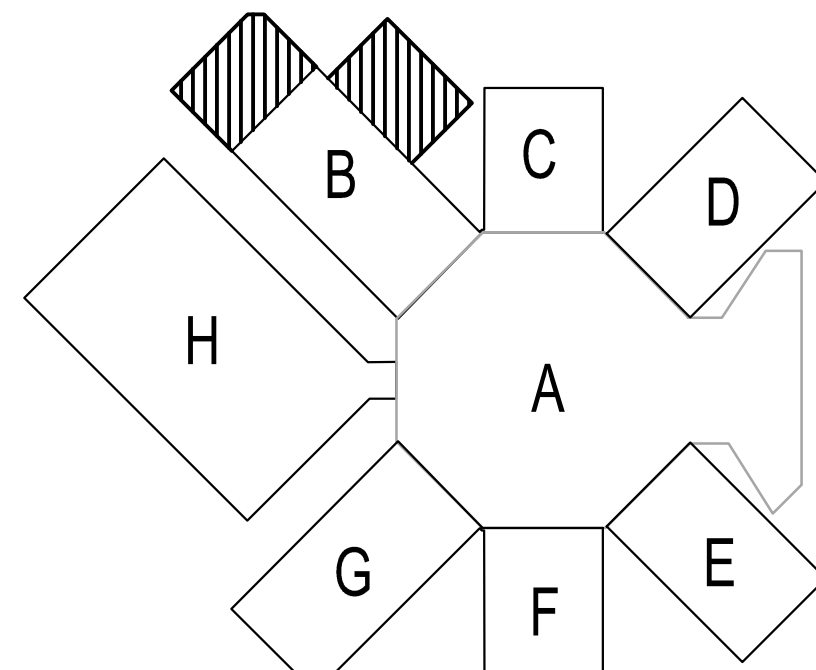
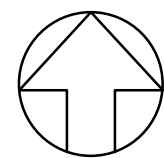
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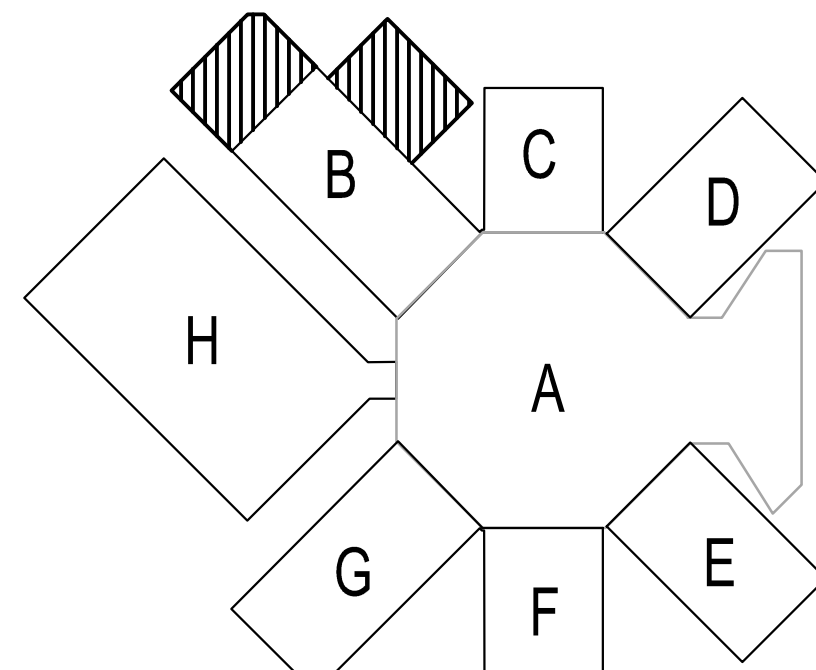
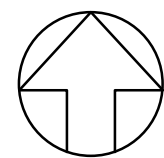
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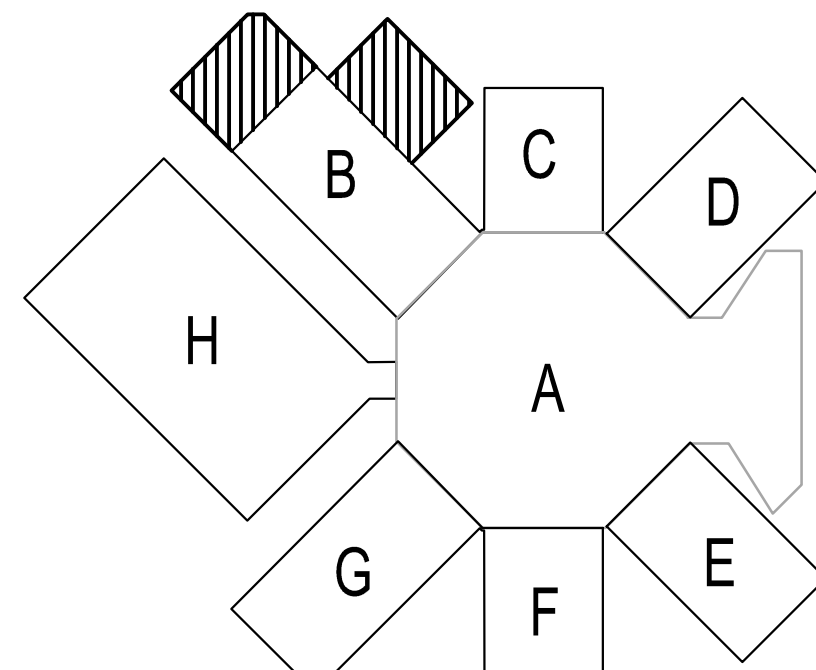
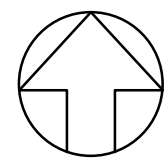
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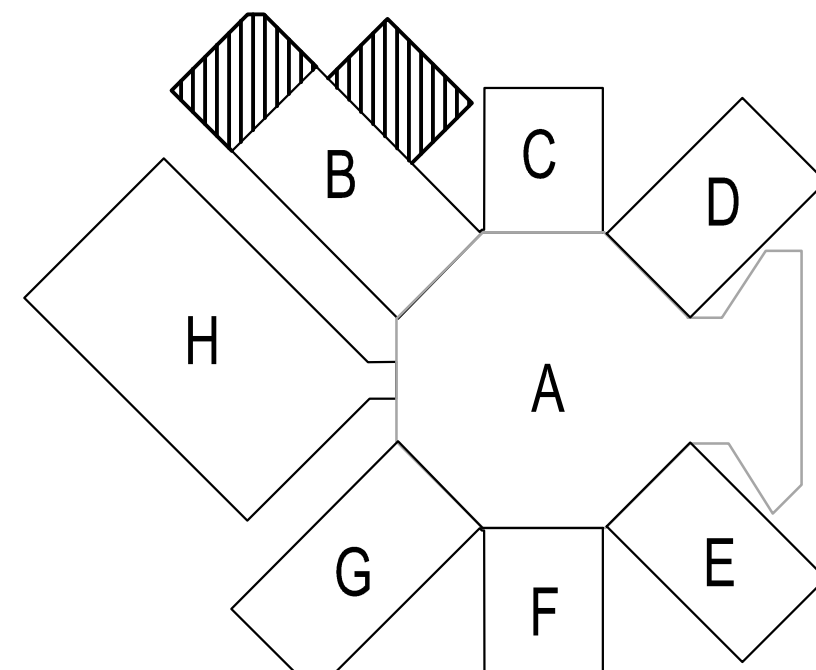
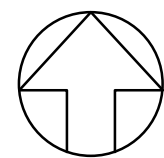
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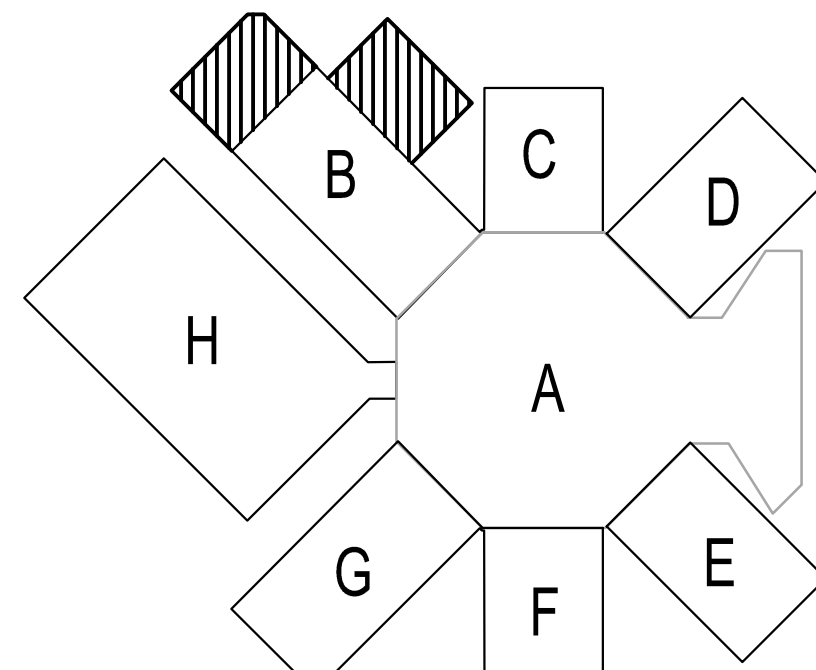
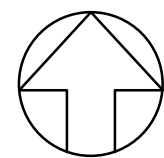
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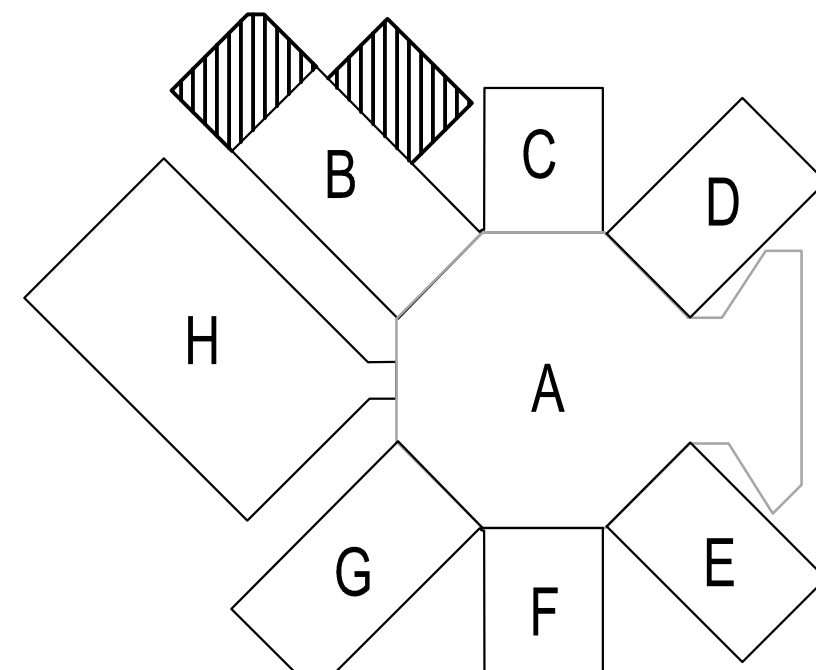
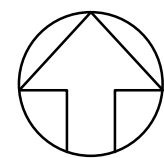
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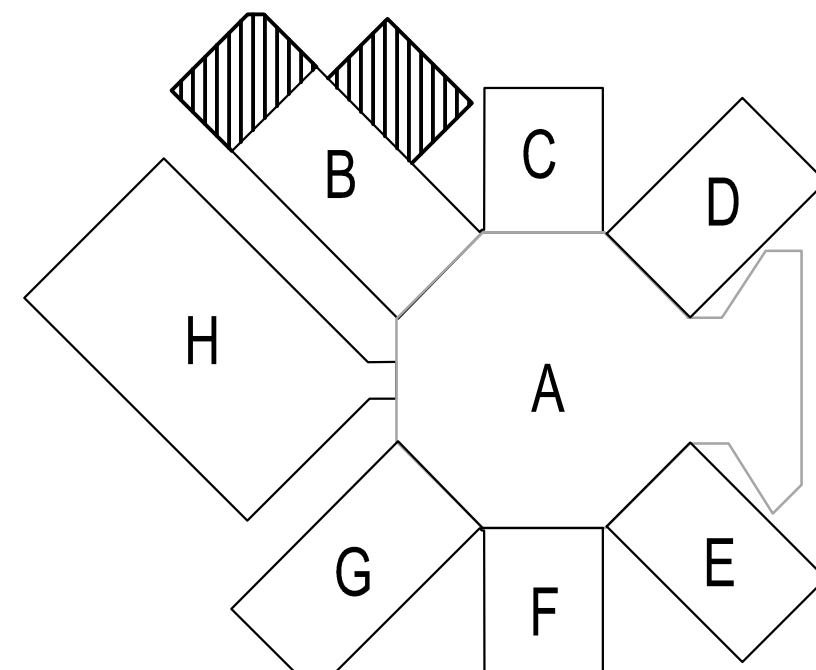
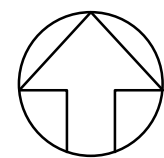
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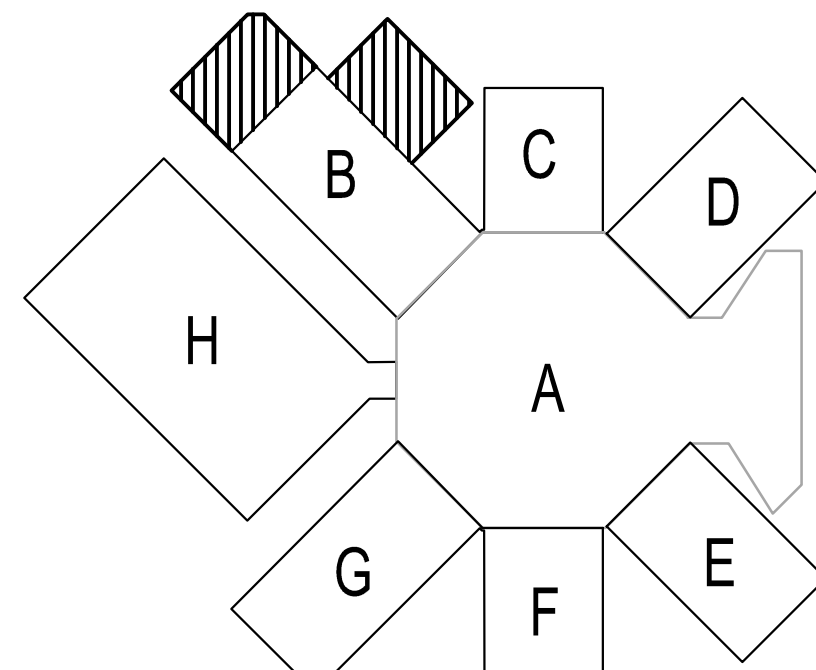
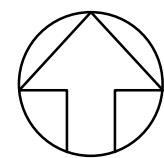
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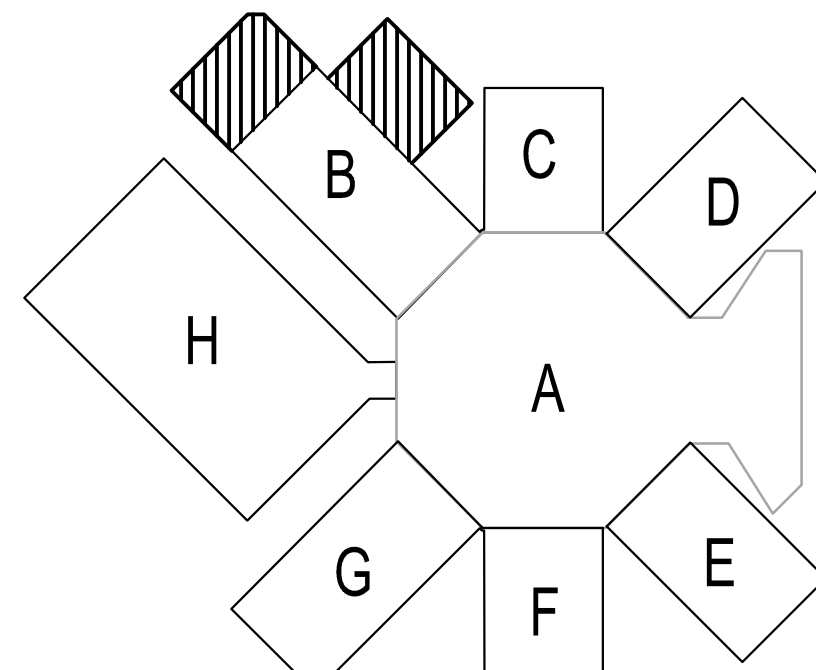
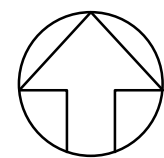
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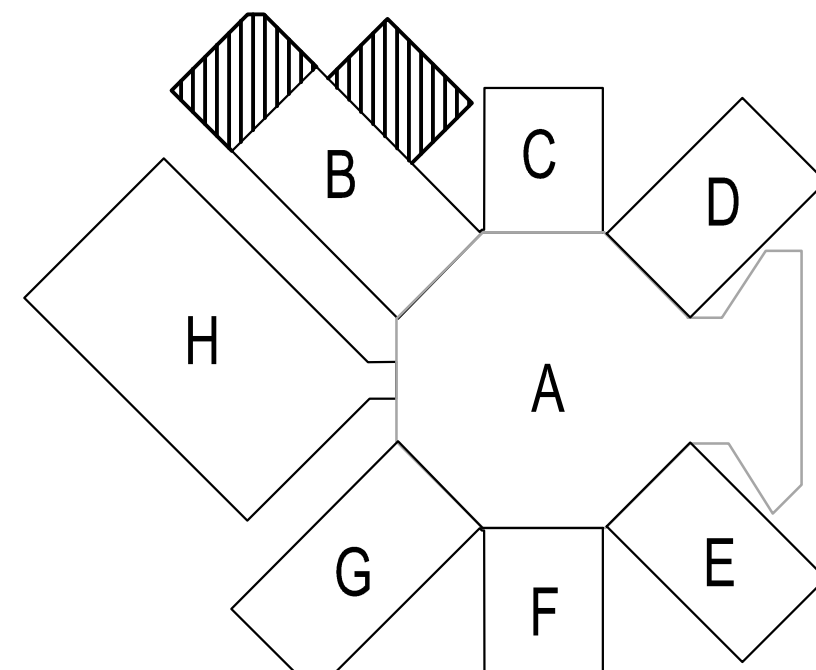
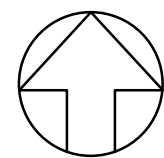
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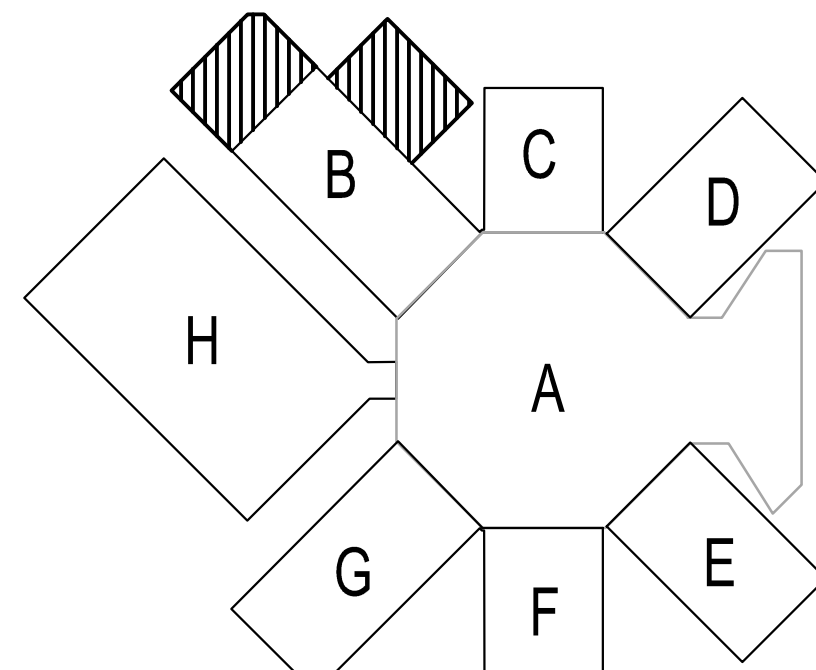
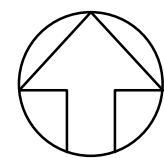
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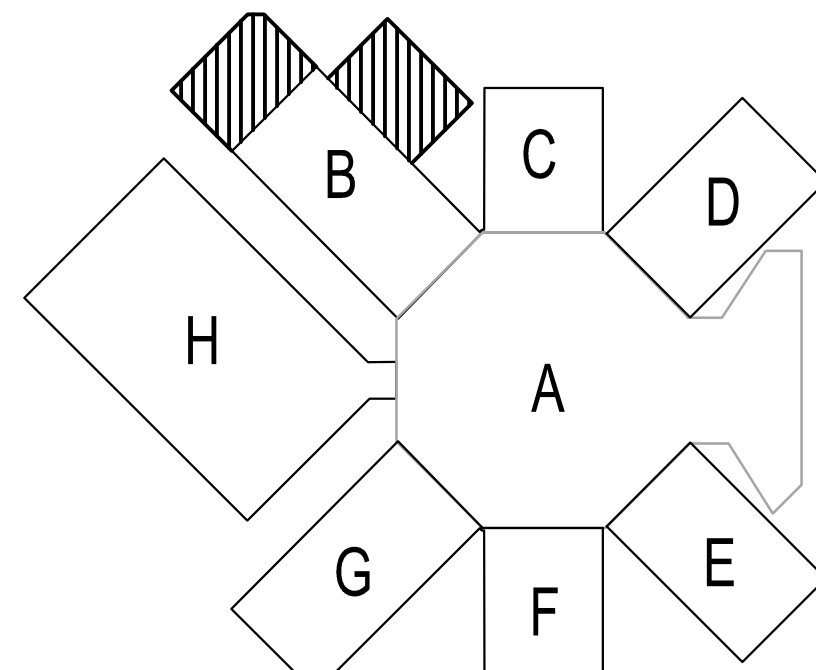
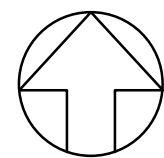
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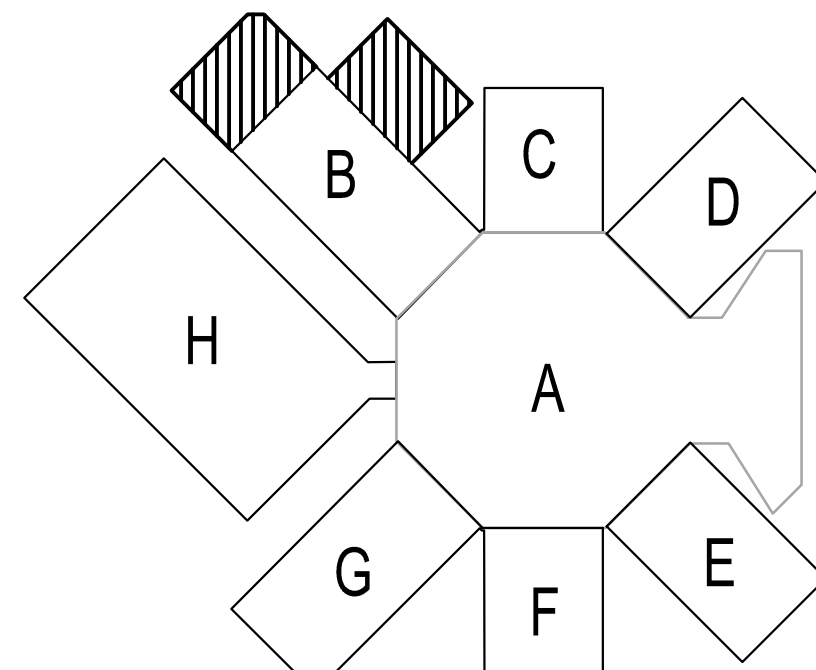
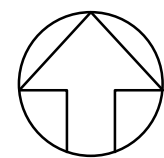
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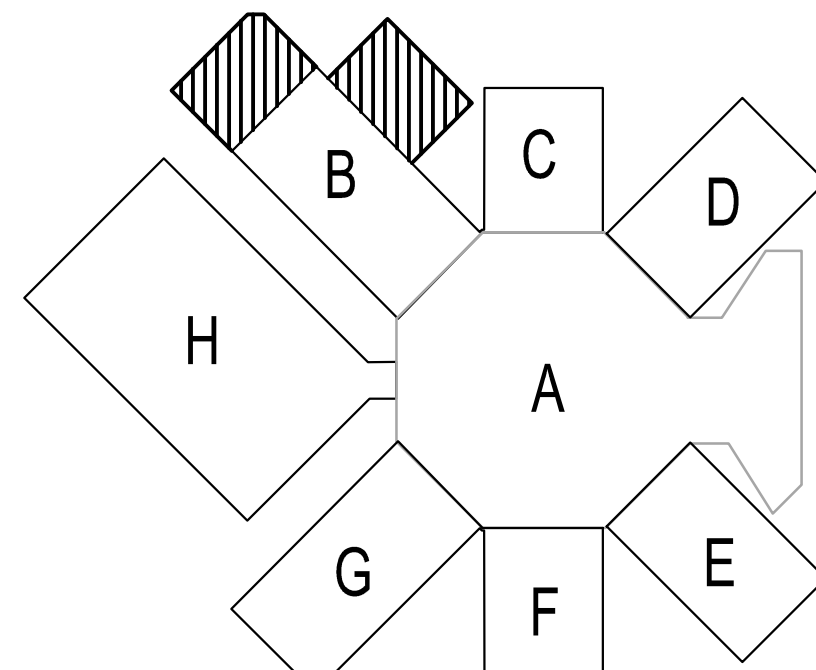
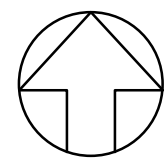
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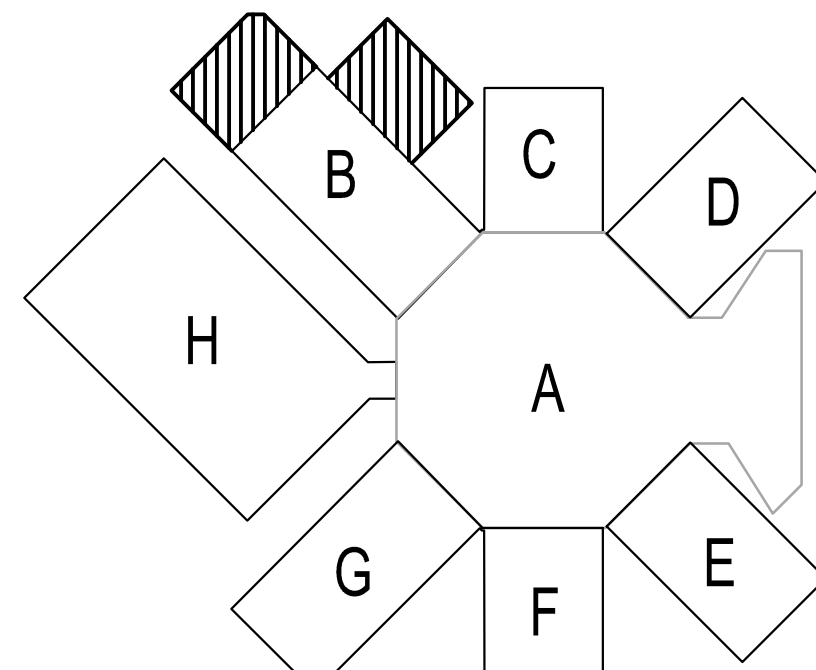
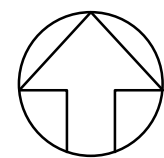
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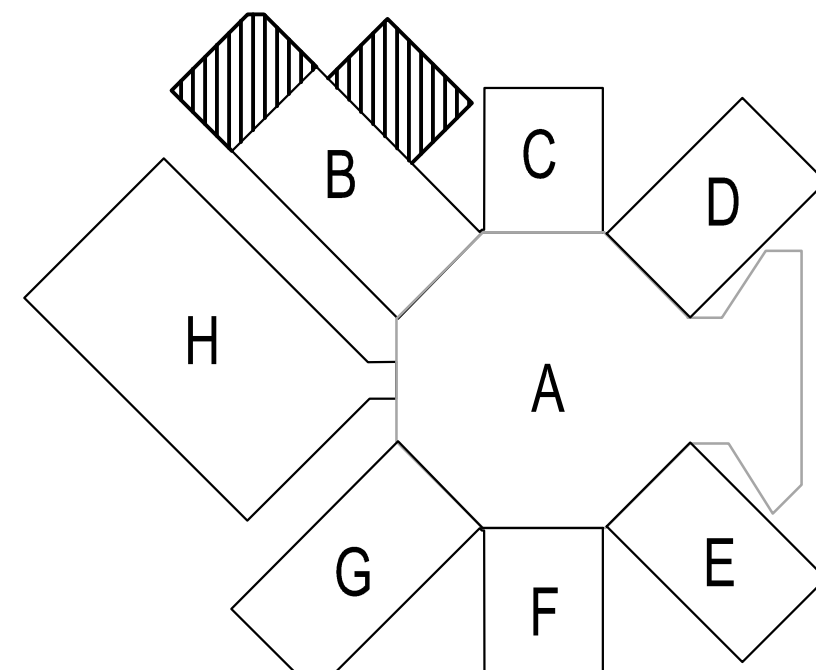
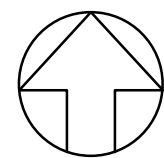
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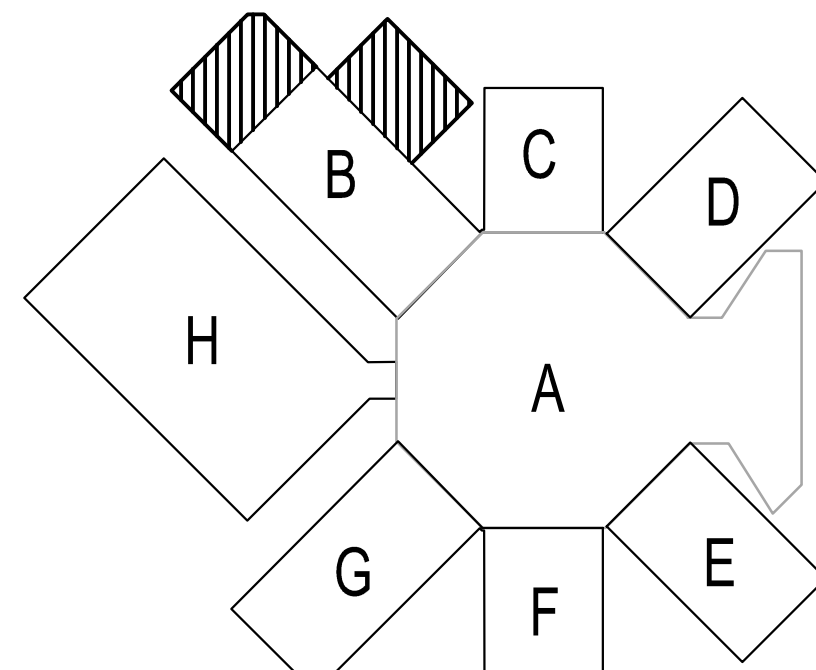
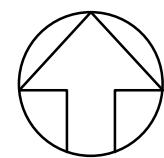
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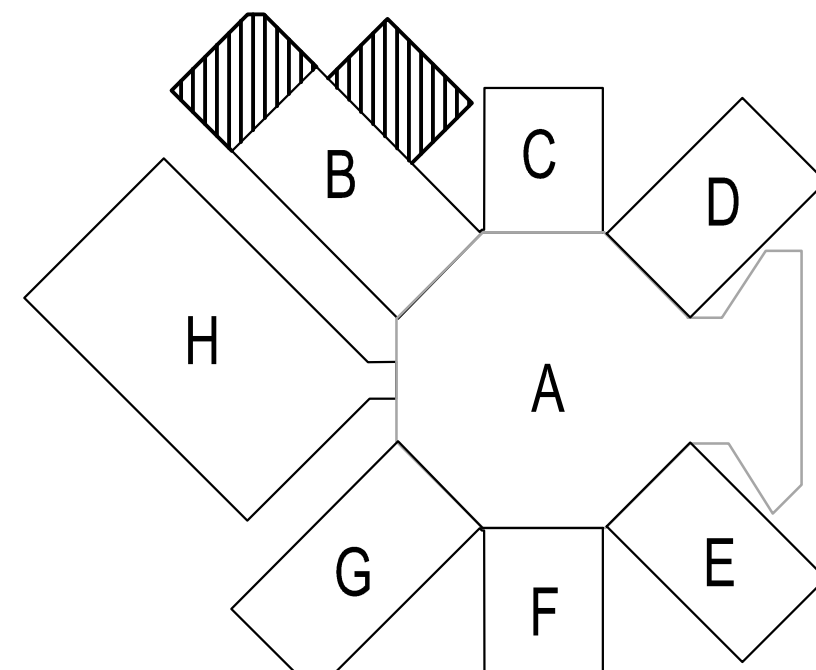
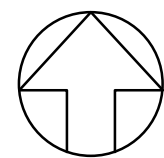
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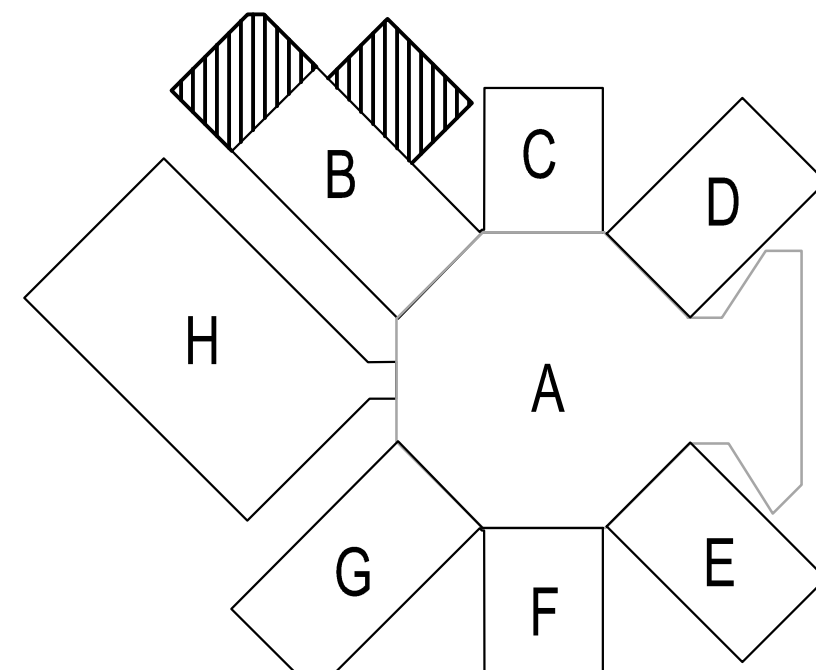
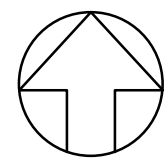
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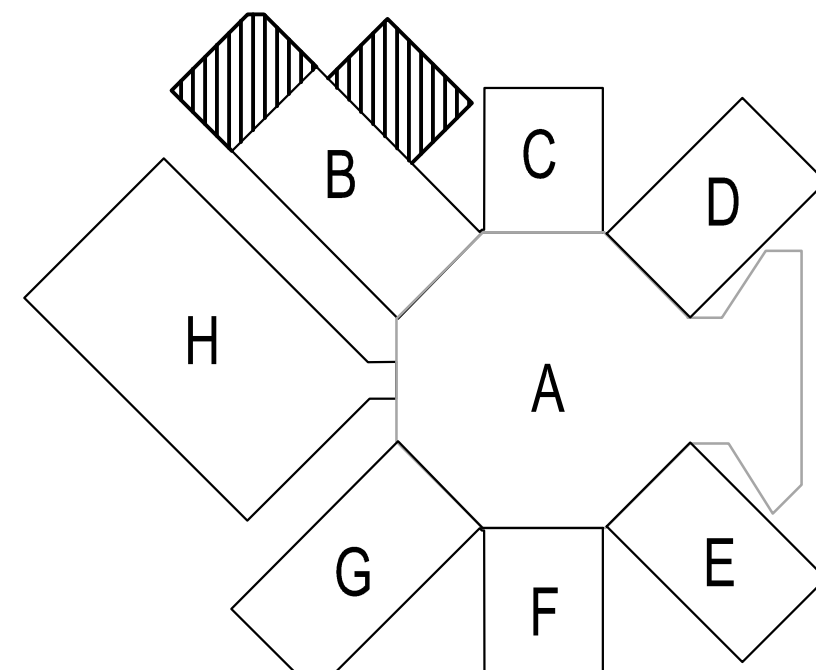
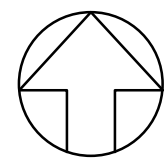
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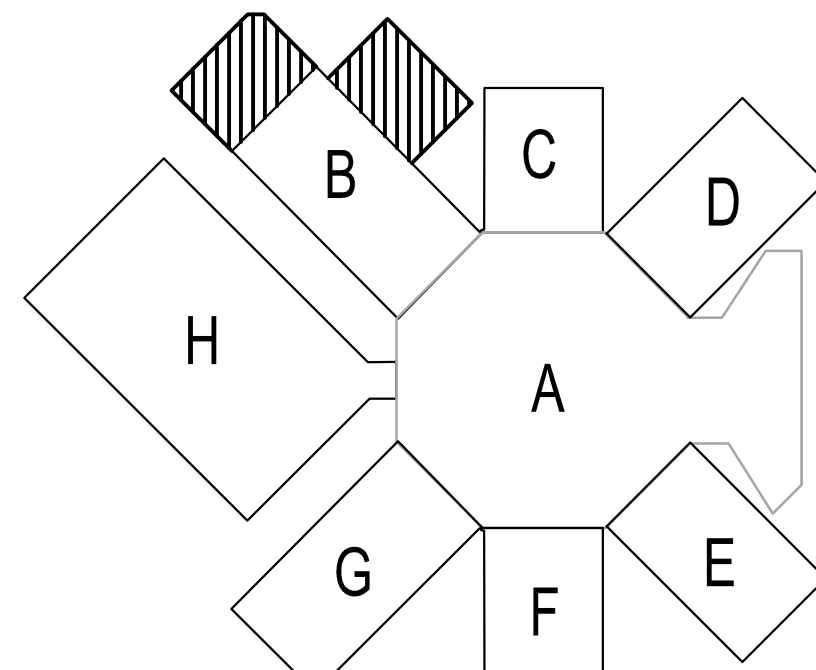
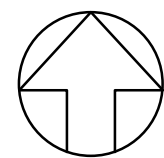
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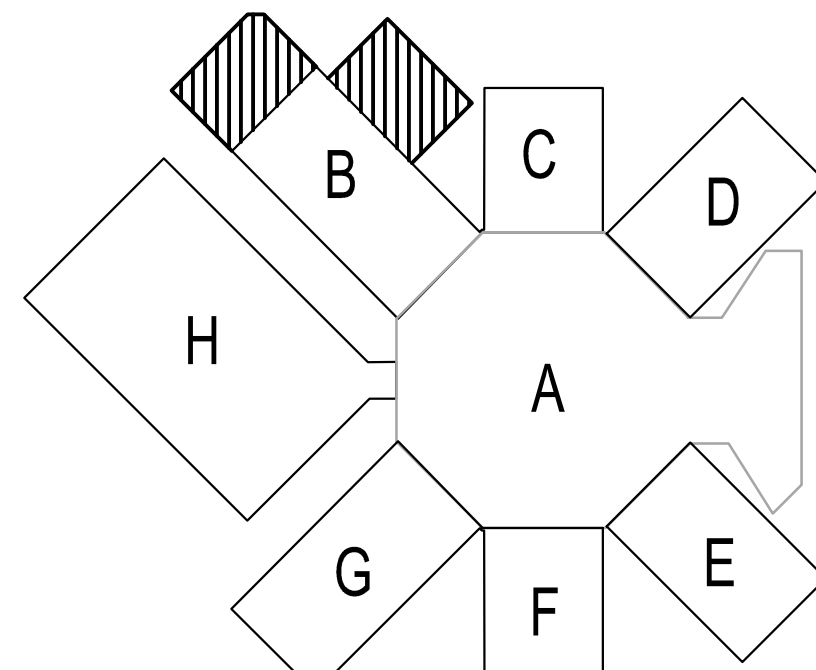
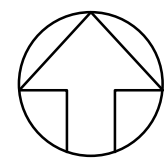
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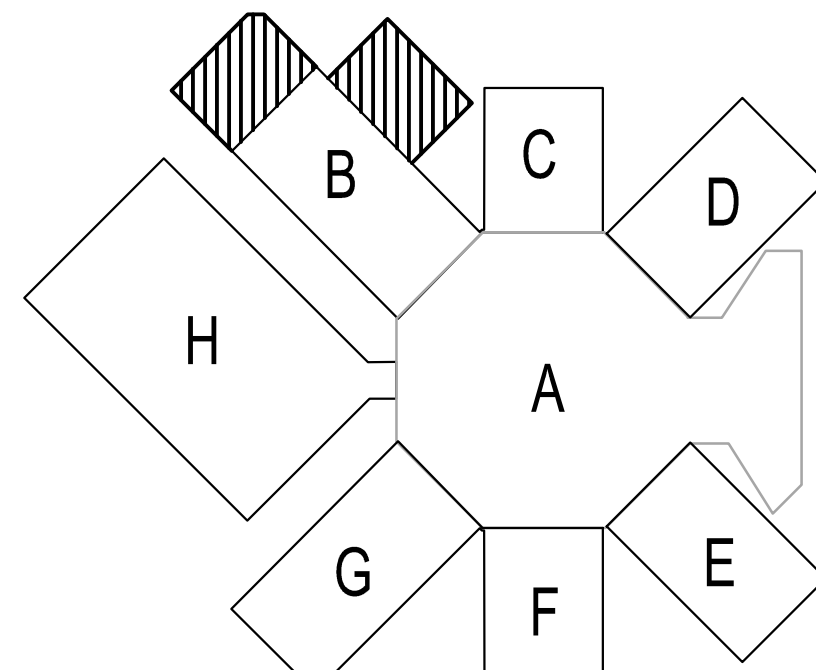
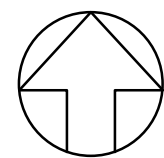
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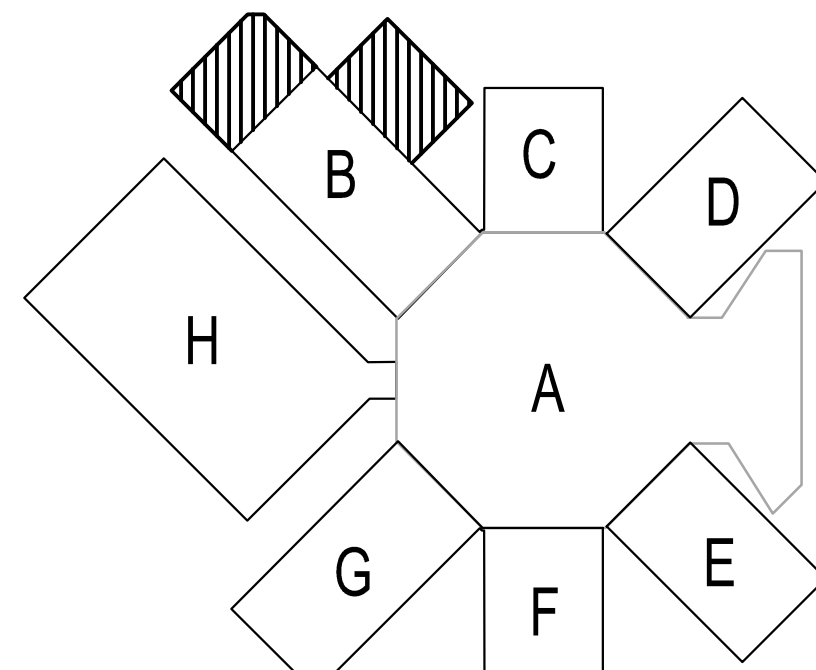
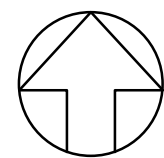
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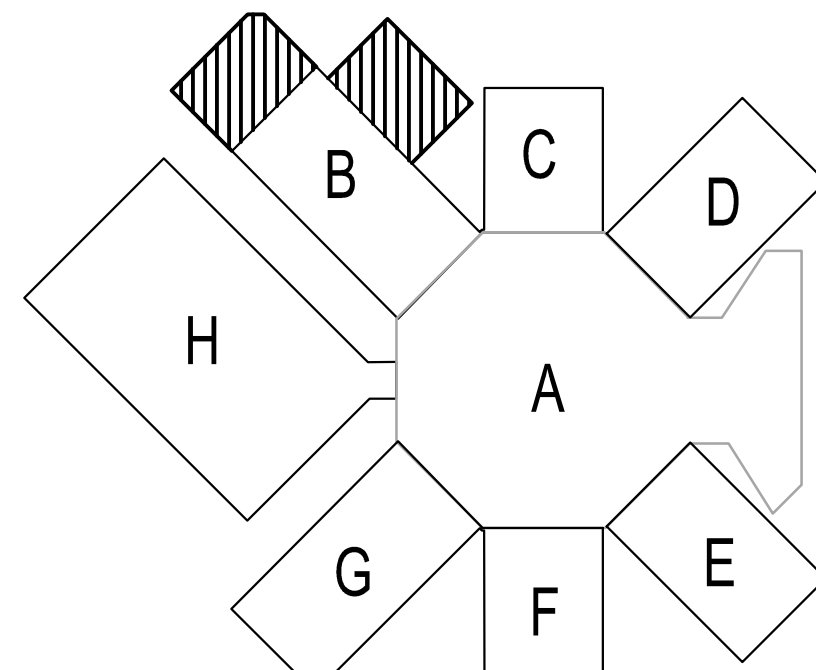
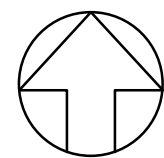
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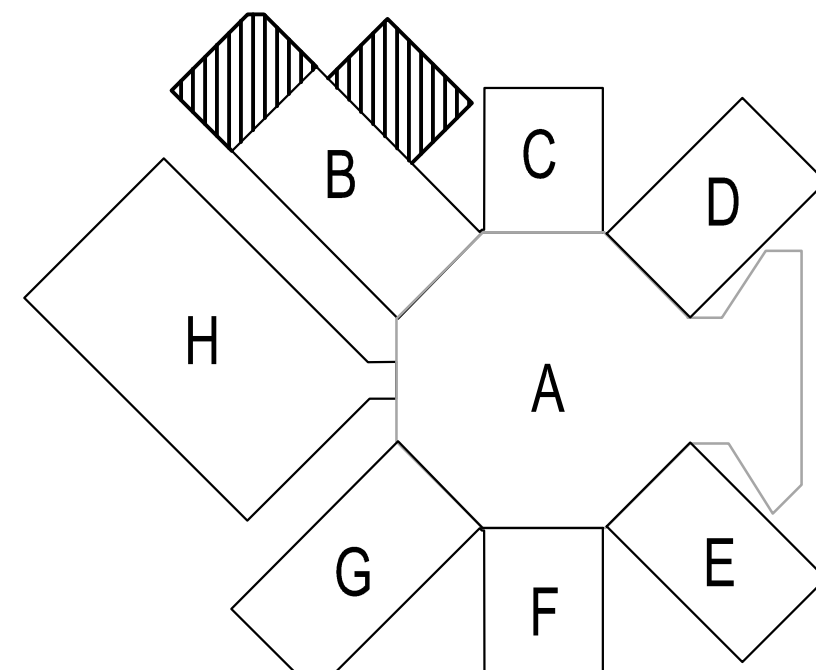
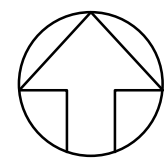
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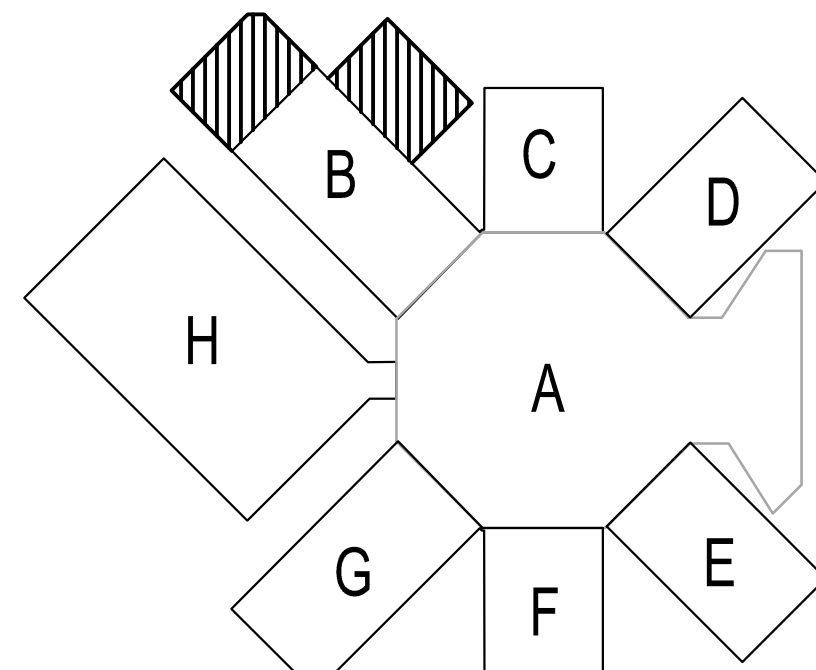
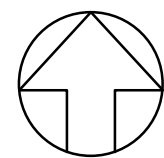
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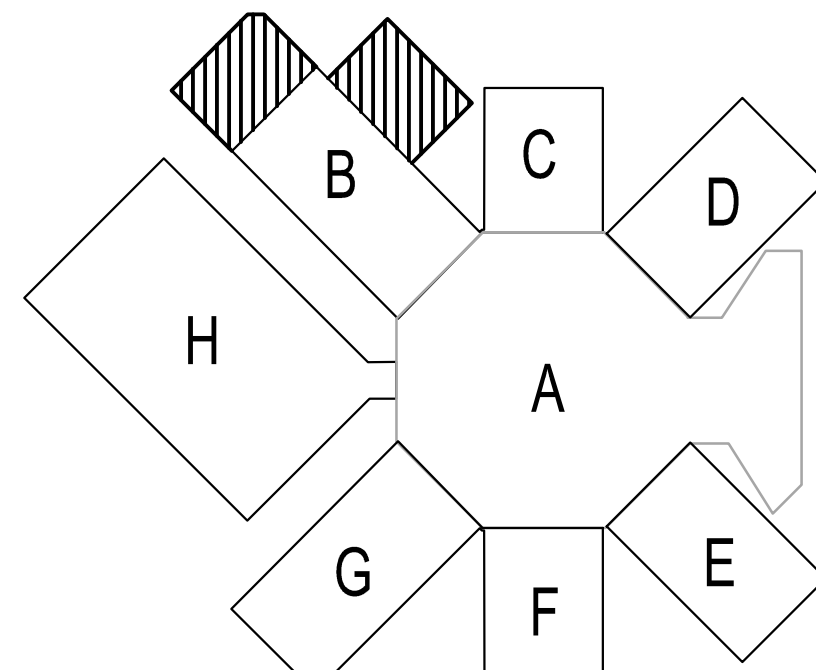
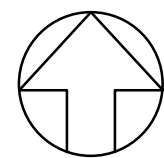
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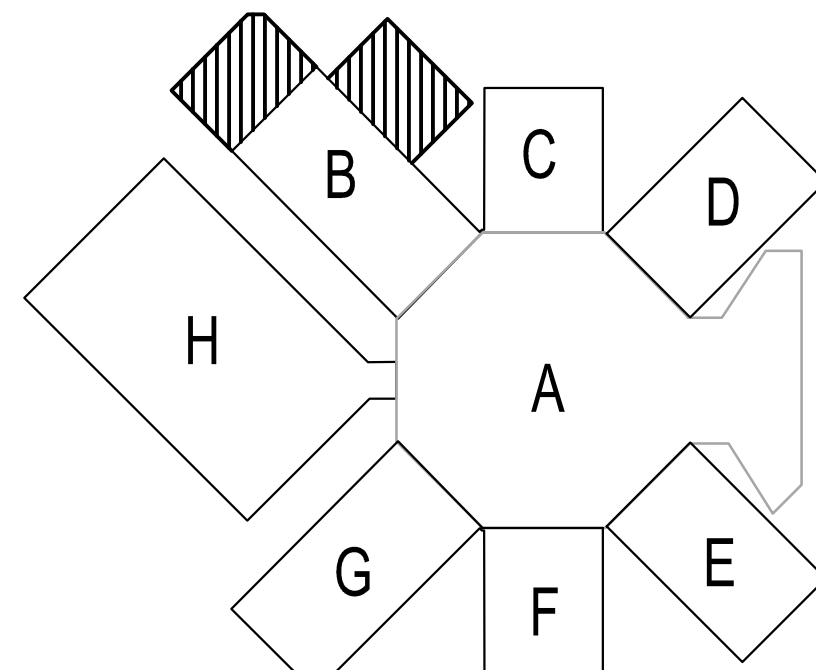
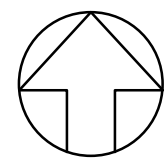
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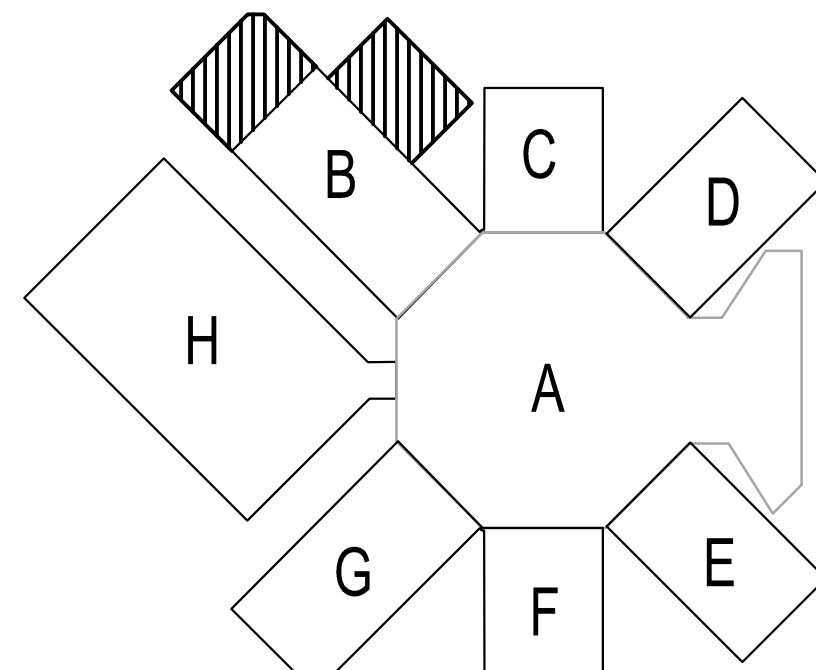
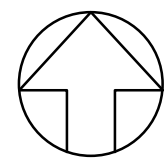
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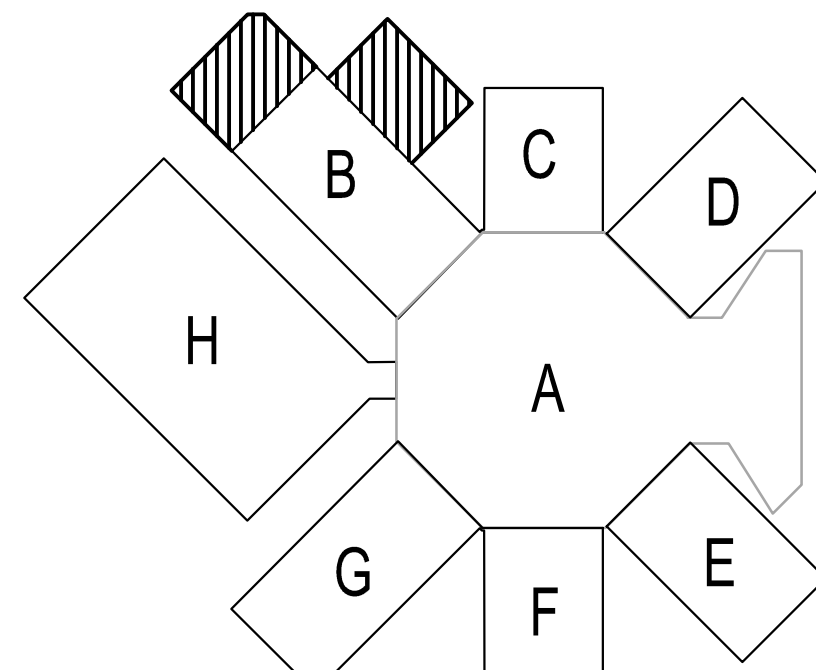
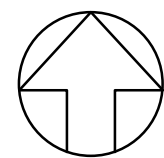
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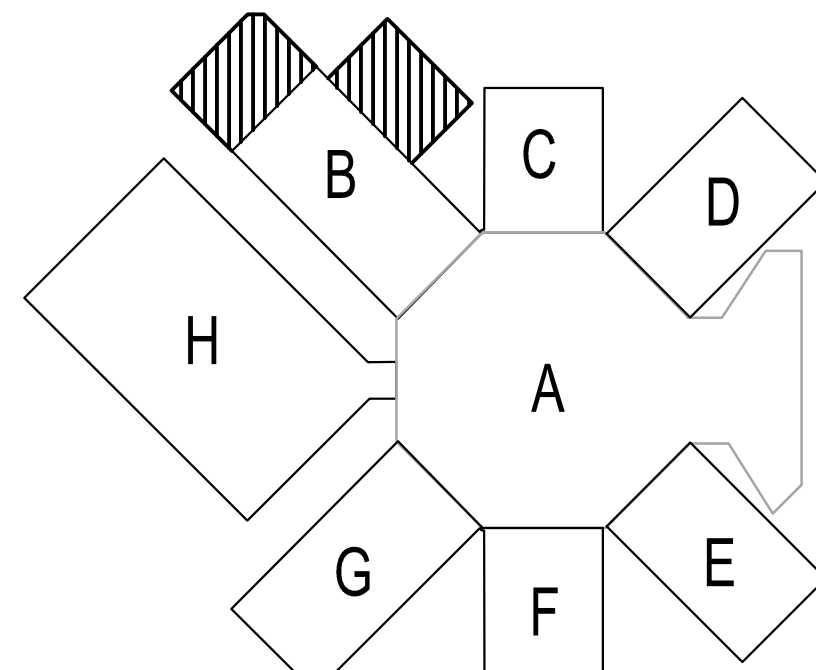
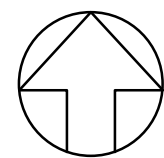
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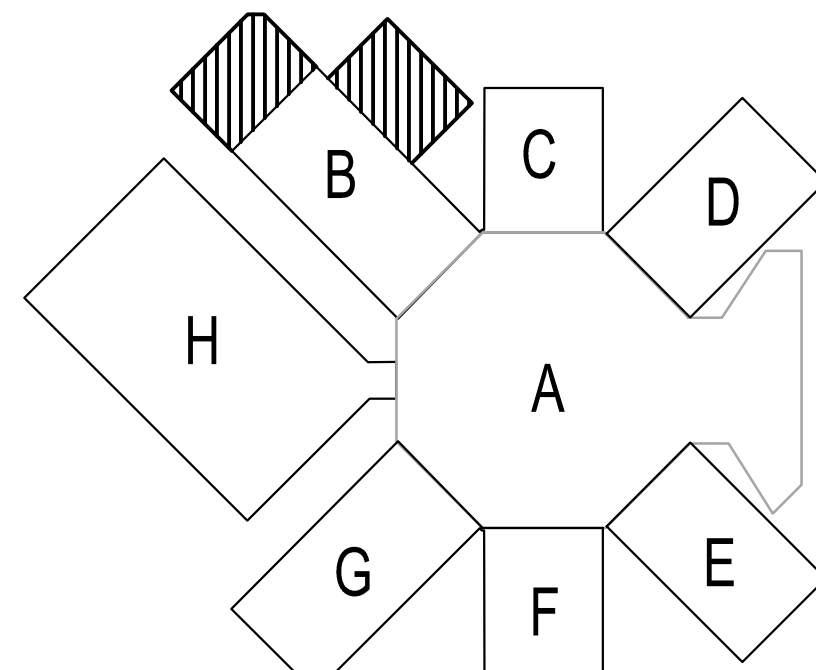
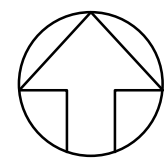
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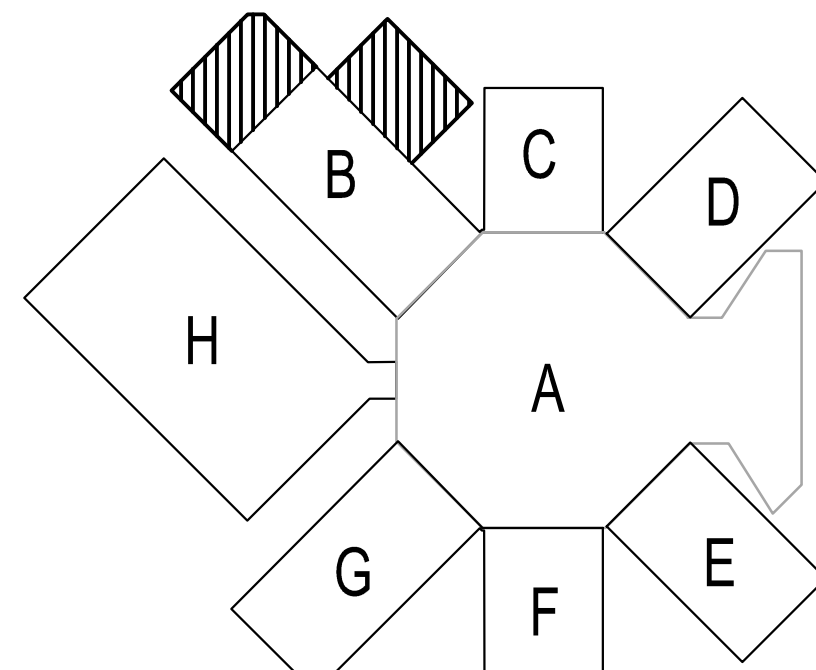
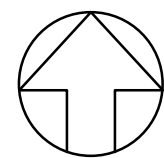
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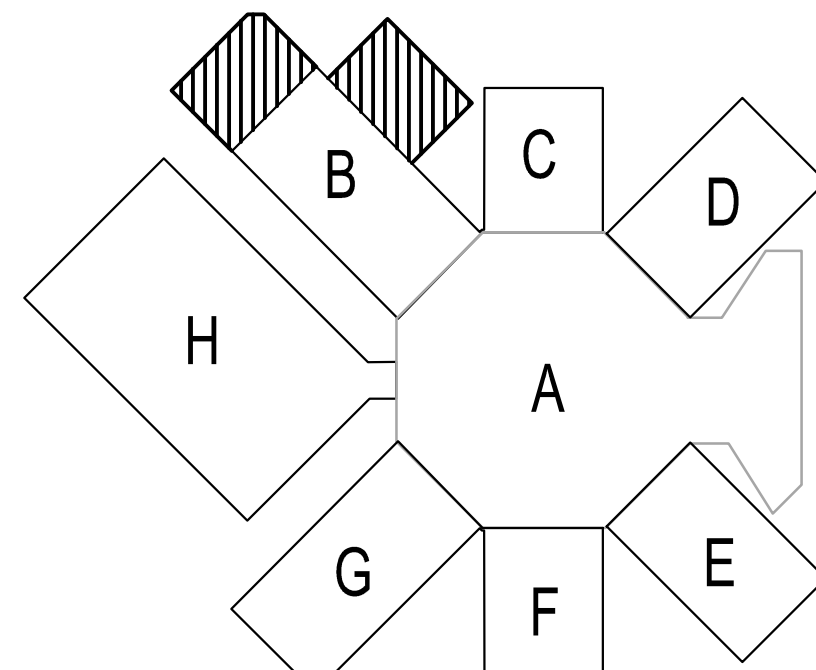
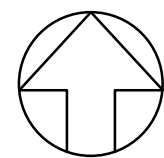
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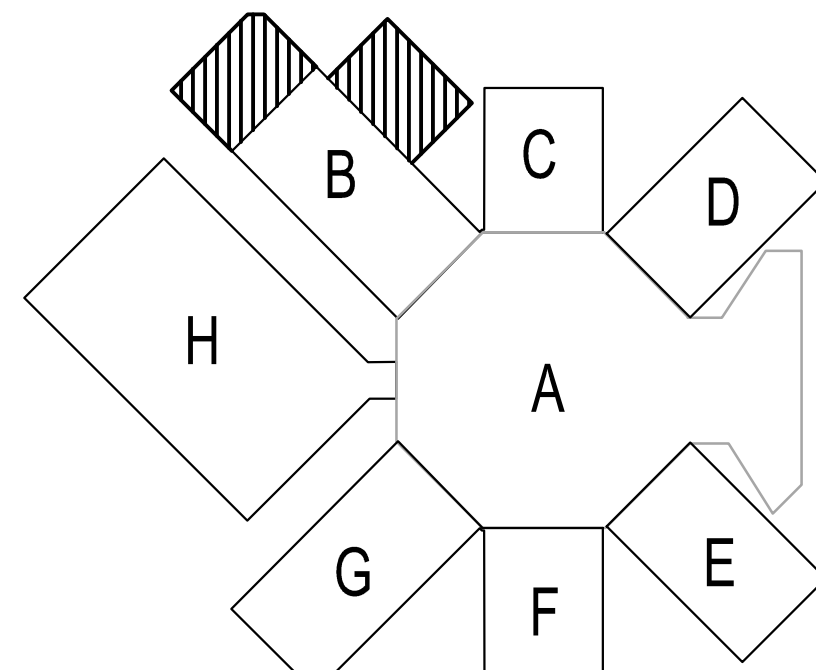
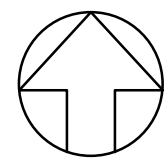
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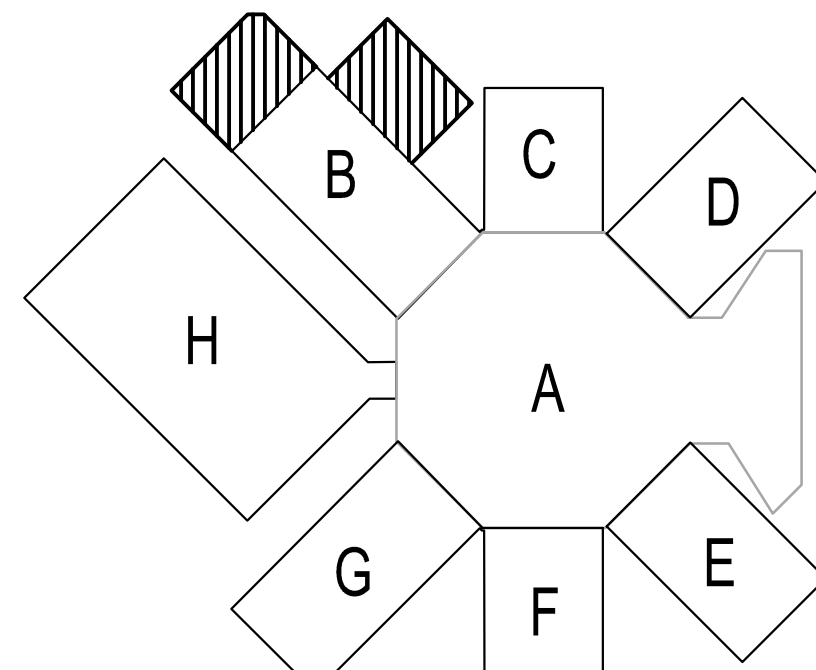
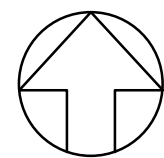
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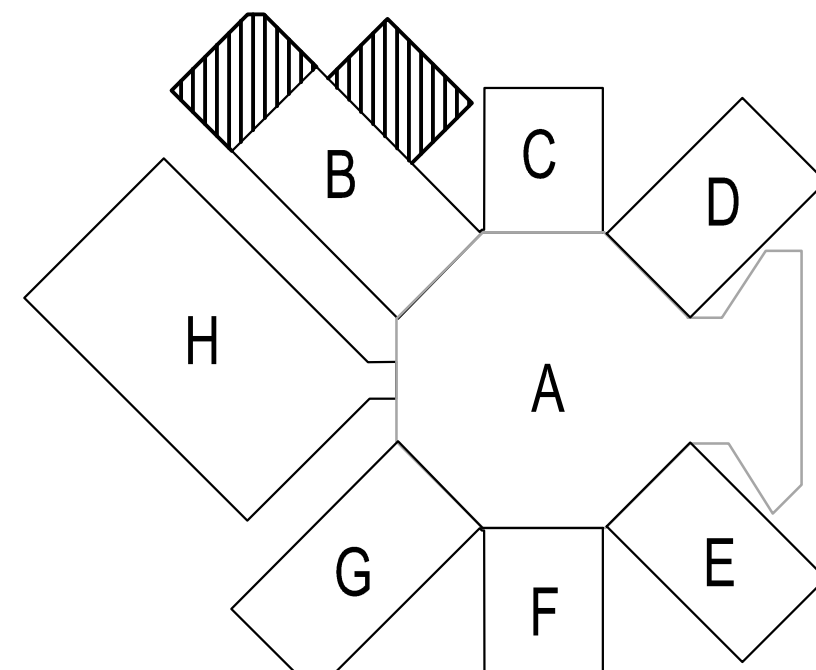
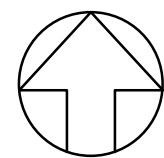
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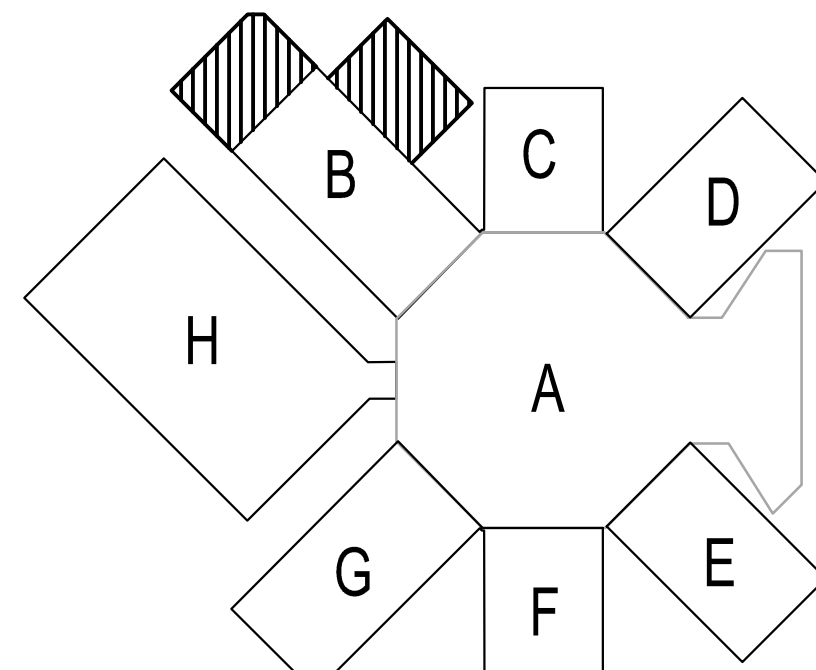
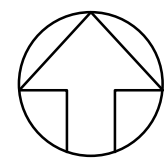
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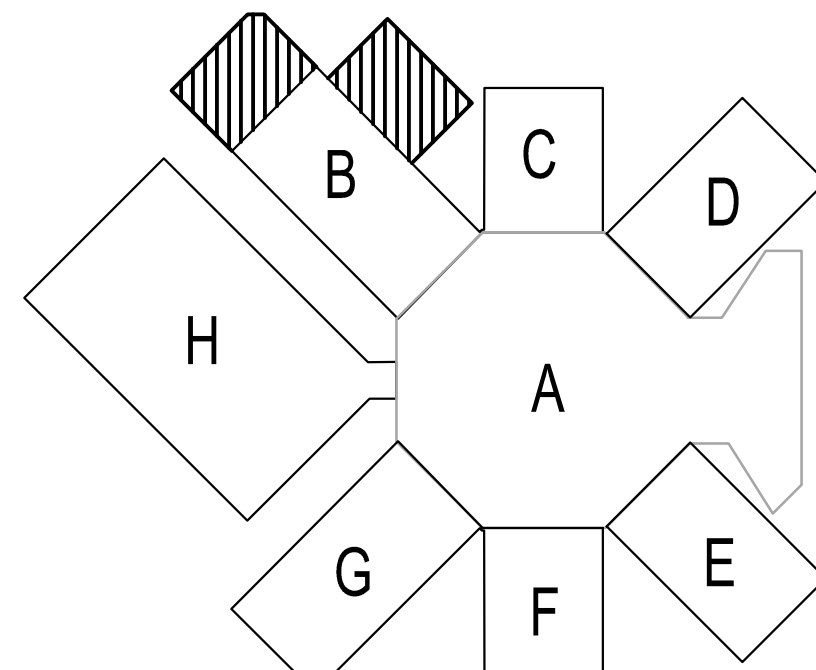
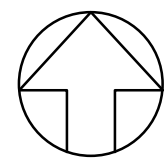
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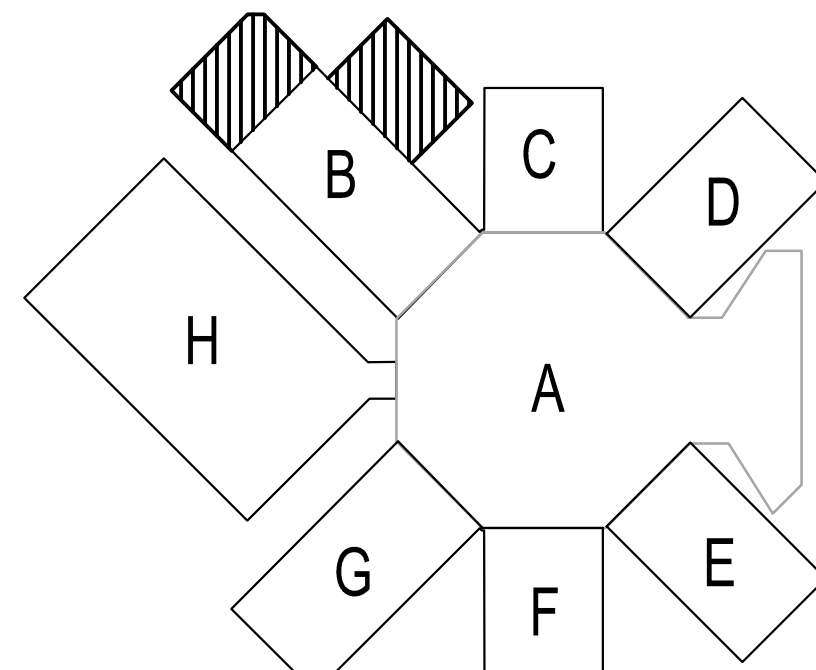
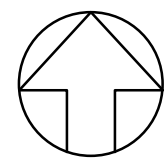
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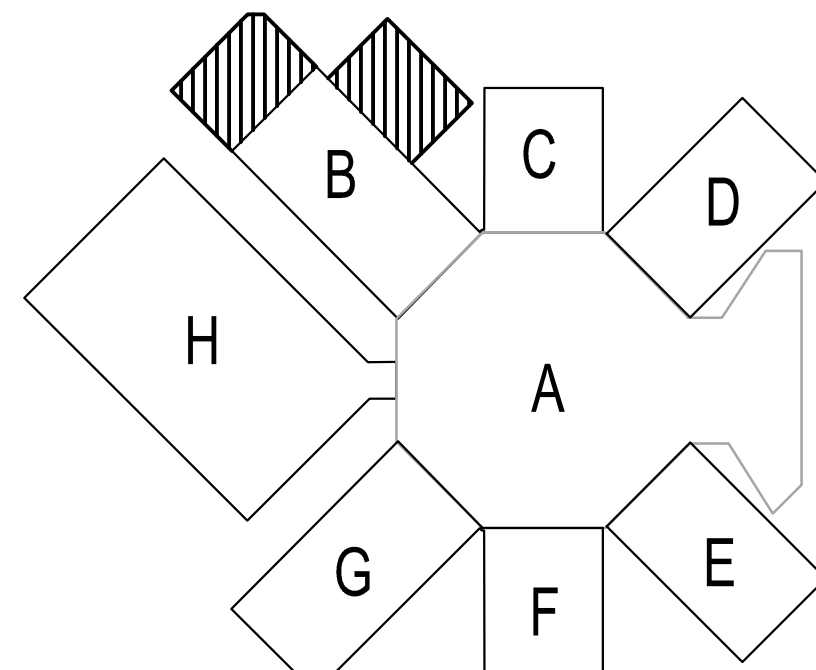
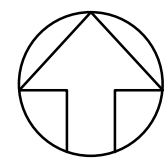
A16 KEYPLAN

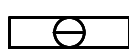
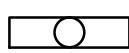

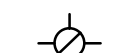


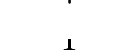
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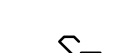
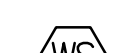
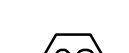











A16 KEYPLAN



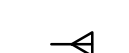
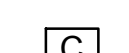


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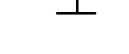
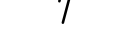

-  RECESSED LIGHTING FIXTURE
-  SURFACE, PENDANT OR BRACKET MTD. LIGHTING FIXTURE
-  RECESSED LIGHTING FIXTURE WITH 1400 LUMEN EMERGENCY BALLAST. PROVIDE AN ADDITIONAL UNSWITCHED "HOT" CONDUCTOR TO FIXTURE.
-  RECESSED LIGHTING FIXTURE
-  WALL MTD. EMERGENCY LIGHTING FIXTURE
-  SURFACE, PENDANT OR BRACKET MTD. LIGHTING FIXT.
-  EXIT FIXTURE - FACE & DIRECTIONAL ARROWS AS INDICATED, TYPE "E", UOI
- A DENOTES FIXTURE TYPE A - SEE FIXTURE SCHEDULE
- S SPST SWITCH - CENTER MTD. 48" AFF, UOI

-  WALL MTD. WIRELESS WALL SWITCH WITH DIMMING. TIME-OUT SHALL BE SET TO 5 MINUTES FOR ALL AREAS, UOI. LUTRON PX-3BRL-GWH-I01 OR APPROVED EQUIVALENT- MTD. 48" AFF, UOI
-  SPST MULTI-TECHNOLOGY OCCUPANCY SWITCH WITH MANUAL SWITCH - CENTER MTD. 48" AFF, UOI
LEVITON "OSSMT-MDW" OR APPROVED EQUIVALENT. DELAY TIME = 10 MINUTES IN OFFICES, CLASSROOMS AND CORRIDORS.
30 MINUTES FOR BATHROOMS/LOCKER AREAS.
-  WALL-MOUNTED WIRED OCCUPANCY SENSOR. DELAY TIME SHALL BE SET TO 5 MINUTES FOR ALL AREAS, UOI. LUTRON LOX-WDT-WH OR APPROVED EQUIVALENT.
-  CEILING MOUNTED WIRED OCCUPANCY SENSOR. DELAY TIME SHALL BE SET TO 5 MINUTES FOR ALL AREAS, UOI. LUTRON LOS-CDT-2000-WH OR APPROVED EQUIVALENT.
-  CORNER MOUNTED WIRED OCCUPANCY SENSOR. DELAY TIME SHALL BE SET TO 5 MINUTES FOR ALL AREAS, UOI. LUTRON OR APPROVED EQUIVALENT.

-  NOTE INDICATION
-  DUPLEX RECEPTACLE, CENTER MTD. 18" AFF, UOI
-  GROUND FAULT INTERRUPTER RECEPTACLE, CENTER MTD. 44" AFF, UOI
-  DOUBLE DUPLEX RECEPTACLE, CENTER MTD. 18" AFF, UOI
-  RECEPTACLE FOR TV EQUIPMENT, CENTER MTD. 96" AFF, UOI
- CKT CIRCUIT
- UOI UNLESS OTHERWISE INDICATED
- GFCI GROUND FAULT CIRCUIT INTERRUPT
- WP WEATHERPROOF
- AC ABOVE COUNTER - CENTER MTD. 4" ABOVE BACKSPLASH - COORDINATE WITH ARCH.
-  120/208V 3PH, 4W PANELBOARD - EXISTING
-  277/480V 3PH, 4W PANELBOARD - EXISTING
-  TRANSFORMER

-  MOTOR CONNECTION - NO. INDICATES HORSEPOWER
-  FUSED DISCONNECT SWITCH IN WP ENCLOSURE - SIZE AS INDICATED
-  TV DEVICE CENTER MTD. 96" AFF. UOI, SEE ARCH. ELEVATIONS FOR EXACT LOCATION
RUN 1" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE - PROVIDE
BLANK COVERPLATE AS NECESSARY. CABLING & TERMINATIONS PER SPECS.
-  OUTLET FOR INTERCOM CABLE CENTER MTD. 60" AFF. UOI. - RUN 1" EMPTY CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE. DEVICE, CABLING, & TERMINATIONS PER SPECS.
-  OUTDOOR INTERCOM PAGING HORN - BY DIV. 27 -
SEE SPECIFICATIONS. ELECTRICAL CONTRACTOR
SHALL PROVIDE 2-GANG BOX WITH 1-GANG REDUCER RING
AT 12' AFG. STUB 3/4"C ABOVE NEAREST
ACCESSIBLE CEILING SPACE.
-  INTERCOM SPEAKER - BY DIVISION 27 - SEE SPECS

-  INTERCOM PUNCH BLOCK - EXISTING
-  SECURITY CAMERA - ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY BOX AND CONDUIT. ROUTE 3/4"C UP TO NEAREST ACCESSIBLE CEILING SPACE. PROVIDE SEPARATE BOX AND CONDUIT WITH 120V CIRCUIT AS INDICATED. COORDINATE MOUNTING HEIGHT WITH OWNER. INDOOR CAMERAS SHALL BE AXIS MODEL # 5502-781 (WITH 0511-001 RING). OUTDOOR CAMERAS SHALL BE AXIS MODEL # 0637-001. CAMERA & DATA CABLING BY DIVISION 27.

-  CABLE TRAY - MTD. WITH SEISMIC RESTRAINTS PER CONTRACTOR. PROVIDE SEISMIC EVALUATION & STRUCTURAL SUPPORT. SEE SPECIFICATIONS.
-  DATA/PHONE OUTLET MOUNTED 18" AFF. - PROVIDE 1 1/4"C TO NEAREST ACCESSIBLE CEILING SPACE. RANDL, INC 5 SQUARE 2 1/4" BOX (CAT. T-85017 & D-51G034) OR APPROVED EQUIVALENT. CABLING & TERMINATIONS PER SPECS
- D-X INDICATES NUMBER OF DATA DROPS - BY DIVISION 27 - SEE SPECS
-  SINGLE-FACE WIRELESS CLOCK - 2-GANG BOX FOR MOUNTING BY DIV 26. SEE SPECIFICATIONS
-  DOUBLE-FACE WIRELESS CLOCK - 2-GANG BOX FOR MOUNTING BY DIV 26. SEE SPECIFICATIONS
-  WIRE IN CONDUIT RUN OVERHEAD - CONCEALED IN OR ABOVE CEILING
IN WALL OR EXPOSED ON STRUCTURE
-  WIRE IN CONDUIT RUN CONCEALED BELOW FLOOR, IN WALL OR BELOW GRADE
-  INDICATES GROUNDING CONDUCTOR

LEGEND

NO SCALE

FIXTURE MOUNTING	
R-RECESSED	U-UNIVERSAL
S-SURFACE	W-WALL

FIXTURE TYPE	LENS	FINISH
F-FLUORESCENT	A-ACRYLIC	WH-WHITE
LED-LIGHT EMITTING DIODE	P-POLYCARBONATE	CB-CARBON BRONZE
	G-GLASS	DB-DARK BRONZE

TYPE NO.	MANUF'R	CATALOG NO.	FIX. MTG.	FIX. TYPE	LENS	FIN.	LAMP NO.	WATTS	VOLTS	COMMENTS
A	METALUX	24SR-LD1-48-C-UNV-L840	R	LED	A	WH	-	49	UNV	LED VOLUMETRIC TROFFER - PROVIDE WITH DIMMING BALLAST, UOI
AE	METALUX	24SR-LD1-48-C-UNV-EL14-L840	R	LED	A	WH	-	49	UNV	LED VOLUMETRIC TROFFER - PROVIDE WITH DIMMING BALLAST AND 1400 LUMEN EMERGENCY OPTION, UOI
C	METALUX	APLBA-232	S	F	-	WH	2	32	UNV	INDUSTRIAL STRIP
D	PRESCOLITE	LF6LED-6LFLED5-40K-WT	R	LED	G	WH	-	25	UNV	LED DOWNLIGHT WITH WET-LOCATION LENS
DE	LITHONIA	AFN-DB-EXT-FWD	W	LED	G	DB	-	11	UNV	LED ARCHITECTURAL EMERGENCY LIGHT
E	SURE-LITES	EEX-2-R	U	LED	P	WH	-	4.6	UNV	LED EXIT SIGN - MTD. ABOVE DOOR HEADER AS REQUIRED
J	LUMARK	XTOR5A-MS/DIM-L20	W	LED	A	CB	-	50	UNV	LED WALL PACK WITH INTEGRAL PHOTOCELL AND DIMMING DRIVER - SEE NOTE 4

GENERAL LIGHTING NOTES:

- ALL BALLASTS SHALL BE ELECTRONIC WITH ≤ 20% THD.
- ALL "EQUAL" ALTERNATE FIXTURES ARE SUBJECT TO APPROVAL BY ARCHITECT/ENGINEER, 10 DAYS PRIOR TO BID.
- ALL EXIT FIXTURES SHALL BE WALL, CENTER MOUNTED ABOVE DOOR HEADER, UOI.
- FIXTURE MOUNTING SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS.

2 FIXTURE SCHEDULE


NO SCALE


GENERAL NOTES:


- CONTRACTOR SHALL PROVIDE ALL ACCESSORIES AND CIRCUITRY AS REQUIRED FOR OPERATION OF ALL OCCUPANCY SENSORS. CONTRACTOR SHALL PROVIDED OCCUPANCY SENSORS RATED FOR EXHAUST FANS AS REQUIRED.
- CONTRACTOR SHALL PROVIDE PROJECTORS, DATA, AND INTERCOM SYSTEMS INCLUDING WIRING AS DESCRIBED IN THE SPECIFICATIONS.
- CONTRACTOR SHALL TIE ALL FIRE ALARM DEVICES INTO EXISTING FIRE ALARM SYSTEM IN EXISTING SCHOOL. CONTRACTOR SHALL PROVIDE (1) NEW LOOP CARD AND (2) NEW POWER SUPPLIES TO ALLOW INTEGRATION OF NEW FIRE ALARM DEVICES.





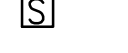
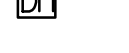
3 GENERAL NOTES

NO SCALE

-  RECESSED CONNECTION BLOCK FOR POWER, COAXIAL, USB AND HDMI CABLES (DATACOMM ELECTRONICS MODEL # 45-0010-WH OR APPROVED EQUAL). SHALL HAVE (1) DUPLEX PLATE, (1) COAXIAL PLATE, AND (1) DATA PLATE. FLUSH MOUNT IN CEILING, AGAINST WALL, CENTERED ABOVE WALL MOUNTED PROJECTOR. USB AND HDMI CABLING SHALL BE PER SMART TV MANUFACTURER'S REQUIREMENTS. ROUTE FROM TEACHER'S DESK LOCATION TO SMART TV LOCATION AS INDICATED ON PLANS.

-  FIRE STOPPING COMMUNICATIONS PENETRATION. EZ PATH BY STI FIRE STOP - NO SUBSTITUTE. 22 INDICATES EZD22, 33 INDICATES EZDP33FWS, & 44 INDICATES EZD44. LOCATIONS WITH (3) 44'S REQUIRE A EZP544W WALL KIT. FURNISHED AND INSTALLED BY DIVISION 26. PENETRATION SHALL BE ABOVE FINISHED CEILING, AS APPLICABLE.

-  ARUBA WIRELESS ACCESS POINT (MODEL # AP-305) AND ARUBA MOUNTING KIT (MODEL # AP-220-MNT-C2) WITH .75"C TO CEILING SPACE FOR WIRELESS ACCESS POINT - PROVIDE 2 DATA DROPS FROM NEAREST DATA CLOSET

-  FIRE ALARM SYSTEM - MANUAL STATION, MTD. 48" AFF, UOI
-  FIRE ALARM SYSTEM - COMBINATION AUDIBLE & VISUAL INDICATOR
- FACP FIRE ALARM SYSTEM - CONTROL PANEL
-  FIRE ALARM SYSTEM - VISUAL SIGNAL DEVICE
-  FIRE ALARM SYSTEM - NONDISPOSABLE SMOKE DETECTOR IN DUCT
-  FIRE ALARM SYSTEM - CEILING MTD. SMOKE DETECTOR
-  DOOR HOLDER

CLASSROOM ADDITION TO LEWISBURG PRIMARY SCHOOL

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

PARTIAL FLOOR PLAN -
AREA B LIGHTING -
ELECTRICAL

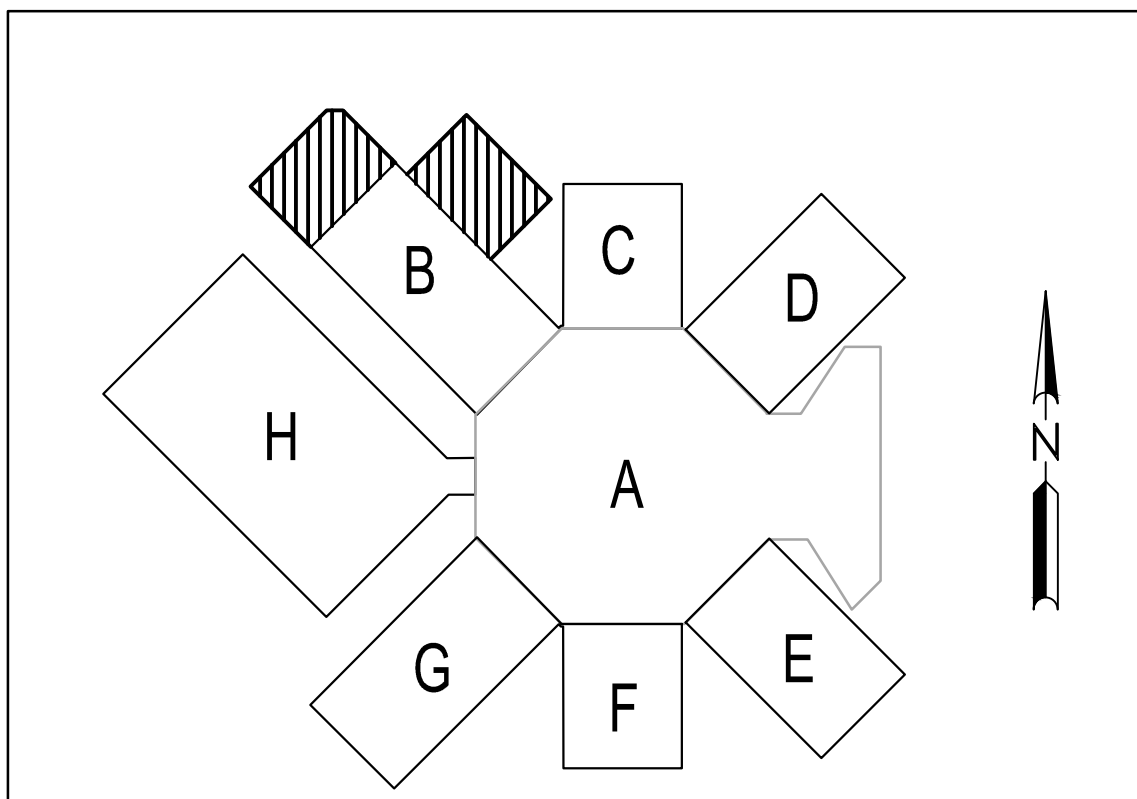
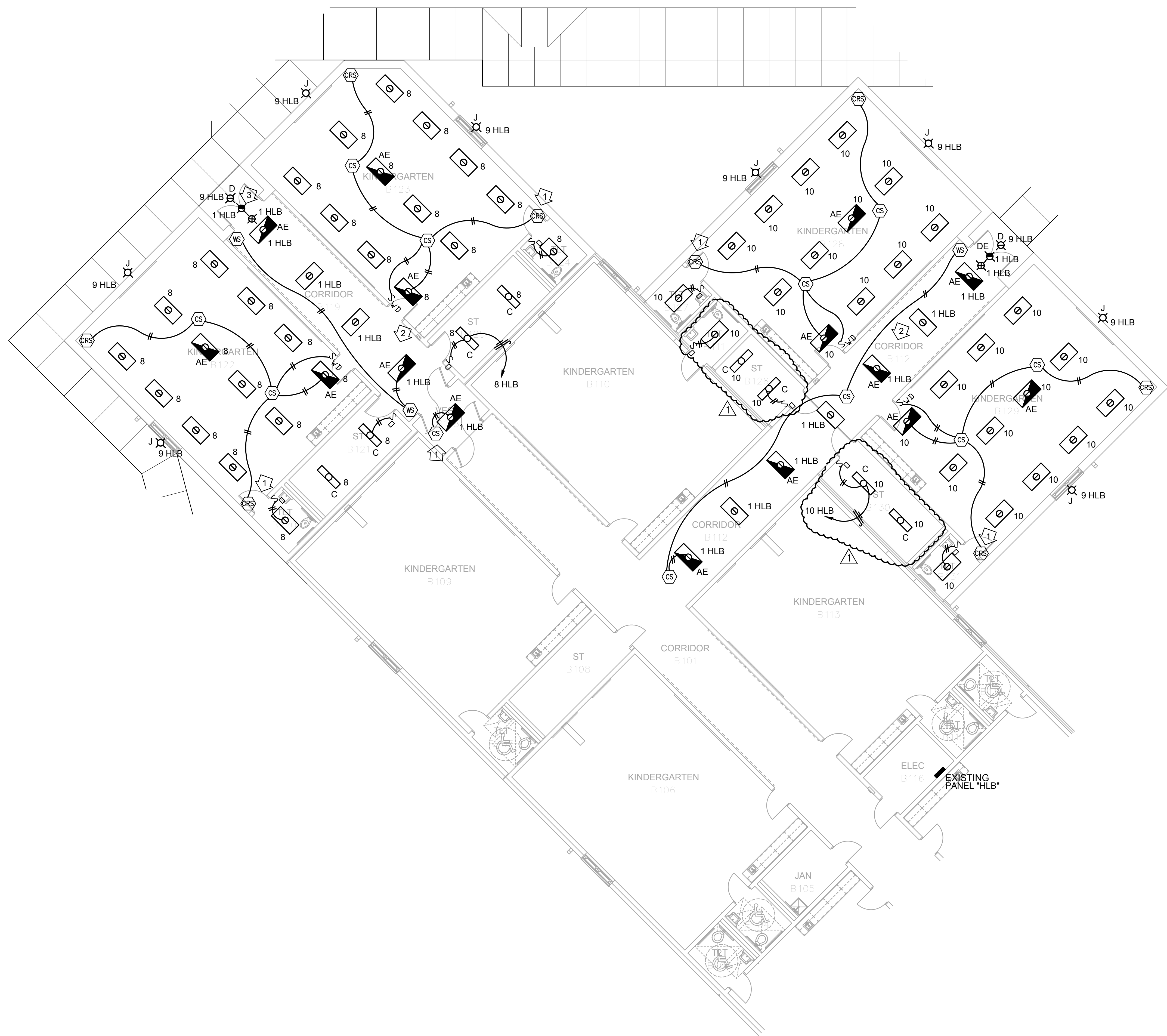
LEWISBURG PRIMARY

GENERAL NOTES: (SHEET E2.1)

1. ALL LIGHTING LAYOUTS ARE BASED ON REFLECTED CEILING PLAN. DO NOT ALTER THE NUMBER OF FIXTURES INDICATED ON DRAWINGS. SEE FIXTURE SCHEDULE FOR APPLICABLE NOTES.
2. ALL FIXTURES ARE TYPE "A", UOI.
3. LIGHT FIXTURES SHALL BE CENTERED IN CORRIDOR. COORDINATE WITH ARCHITECTURAL PLANS.
4. COORDINATE EXACT LOCATION OF EXTERIOR FIXTURES WITH ARCHITECTURAL DRAWINGS.
5. CONTRACTOR SHALL PROVIDE POWER PACKS FOR OCCUPANCY SENSORS AS REQUIRED BY MANUFACTURER. PROVIDE 120V, CIRCUITS FROM NEAREST "NORMAL" PANEL AS REQUIRED.
6. CONTRACTOR SHALL RUN #10 WIRE IN 3/4" TO ALL EXTERIOR FIXTURES, MINIMUM

➡ REFERENCE NOTES: (SHEET E2.1)

1. CORNER AND WALL MOUNTED OCCUPANCY SENSOR SHALL BE MTD. CLEAR OF DOOR SWING. COORDINATE WITH ARCHITECTURAL PLANS. (TYP.)
2. OCCUPANCY SWITCHES SHALL CONTROL CORRIDOR FIXTURES, UOI. (TYP.)
3. NEW LOCATION FOR EMERGENCY LIGHT FIXTURE REMOVED DURING DEMOLITION.



A16	KEYPLAN
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NOT TO SCALE

**CLASSROOM ADDITION TO
LEWISBURG PRIMARY SCHOOL**

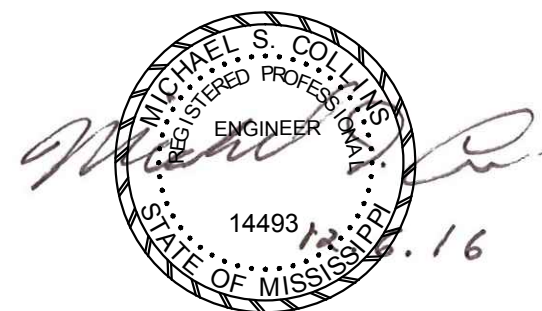
1707 Craft Road
Olive Branch, MS 38654

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

No.	Revision	Date
1	ADDENDUM NO. 1	1.12.17

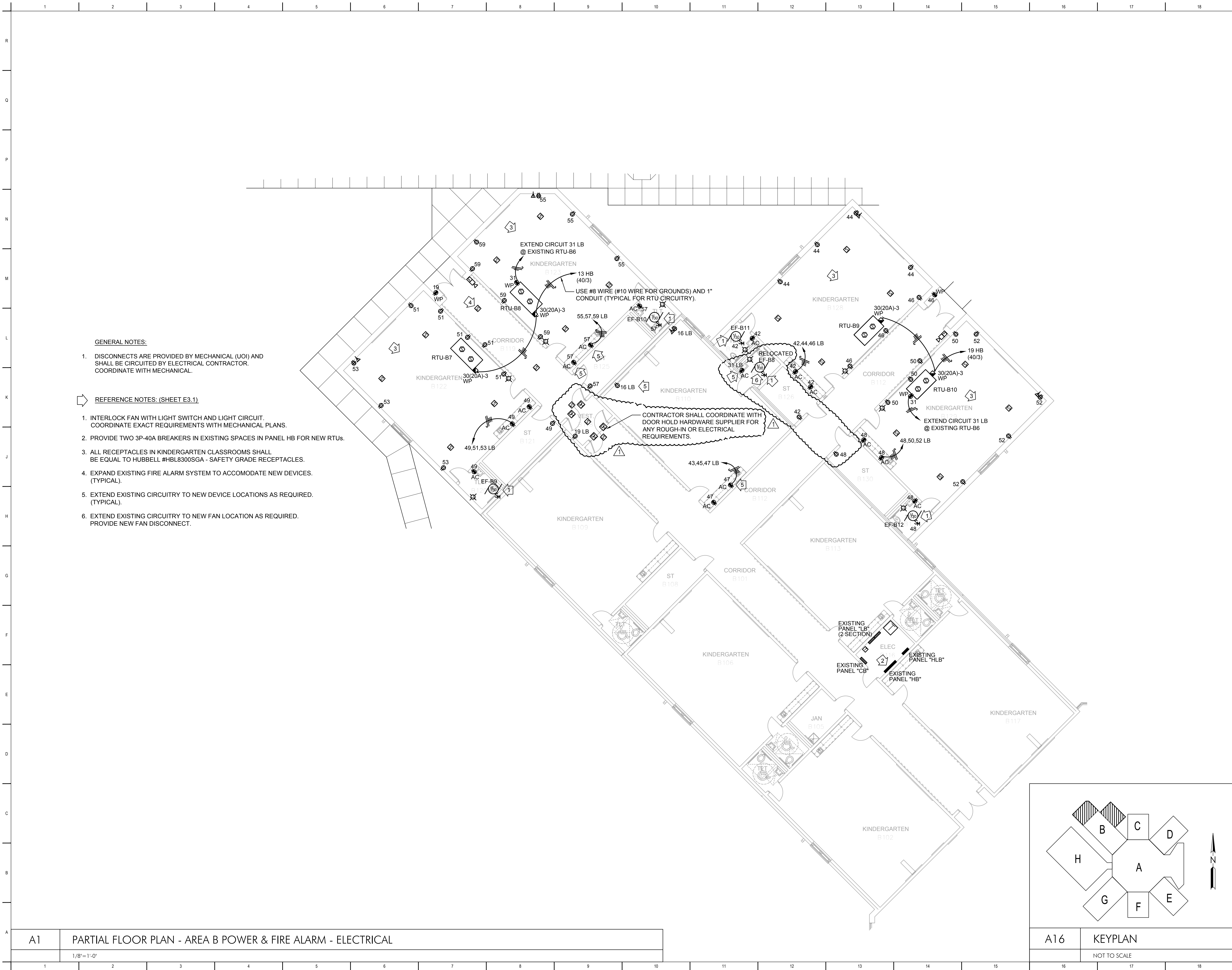
PARTIAL FLOOR PLAN -
AREA B POWER & FIRE ALARM -
ELECTRICAL

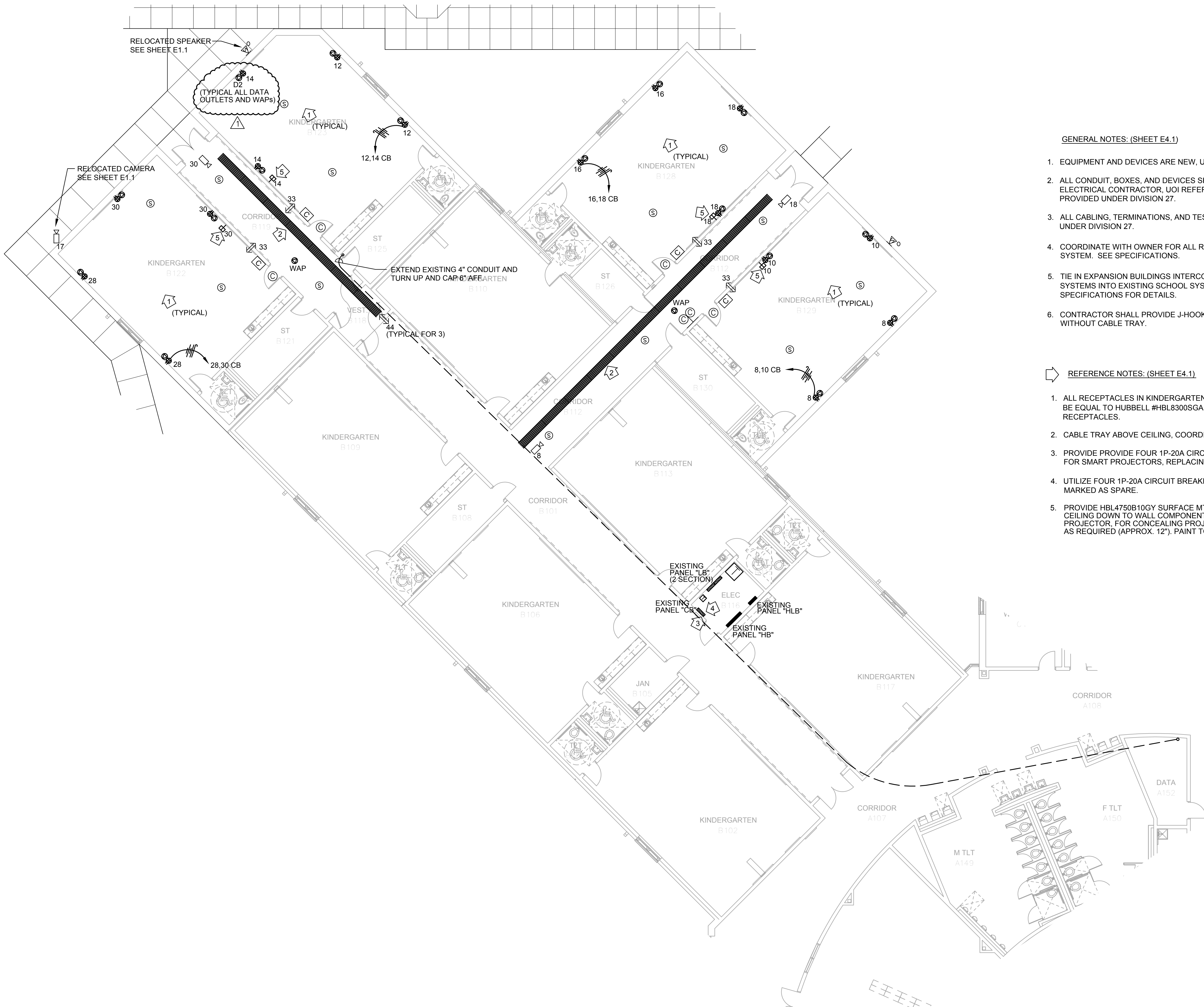
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LEWISBURG PRIMARY

E3.1





GENERAL NOTES: (SHEET E4.1)

- EQUIPMENT AND DEVICES ARE NEW, UOI.
- ALL CONDUIT, BOXES, AND DEVICES SHOWN ON DRAWING ARE BY ELECTRICAL CONTRACTOR. UOI REFER TO LEGEND FOR DEVICES PROVIDED UNDER DIVISION 27.
- ALL CABLING, TERMINATIONS, AND TESTING SHALL BE PROVIDED UNDER DIVISION 27.
- COORDINATE WITH OWNER FOR ALL REQUIREMENTS OF CLOCK SYSTEM. SEE SPECIFICATIONS.
- TIE IN EXPANSION BUILDINGS INTERCOM, COMMUNICATIONS AND DATA SYSTEMS INTO EXISTING SCHOOL SYSTEMS AND NETWORK. SEE SPECIFICATIONS FOR DETAILS.
- CONTRACTOR SHALL PROVIDE J-HOOKS AS REQUIRED IN AREAS WITHOUT CABLE TRAY.

REFERENCE NOTES: (SHEET E4.1)

- ALL RECEPTACLES IN KINDERGARTEN CLASSROOMS SHALL BE EQUAL TO HUBBELL #HBL8300SGA - SAFETY GRADE RECEPTACLES.
- CABLE TRAY ABOVE CEILING, COORDINATE ROUTING WITH ALL TRADES.
- PROVIDE PROVIDE FOUR 1P-20A CIRCUIT BREAKERS IN PANEL "CB" FOR SMART PROJECTORS, REPLACING BLANK SPACES.
- UTILIZE FOUR 1P-20A CIRCUIT BREAKERS IN PANEL "CB" THAT ARE MARKED AS SPARE.
- PROVIDE HBL4750B10GY SURFACE MTD RACEWAY WITH COVER FROM CEILING DOWN TO WALL. COMPONENT OF WALL MOUNTED EPSON EB-585WI PROJECTOR. FOR CONCEALING PROJECTOR CABLES. FIELD-CUT RACEWAY AS REQUIRED (APPROX. 12"). PAINT TO MATCH WALL.

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CLASSROOM ADDITION TO LEWISBURG PRIMARY SCHOOL

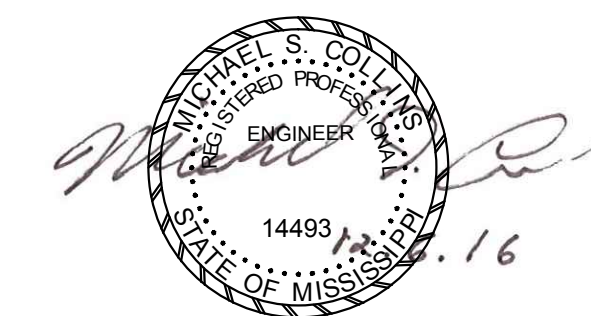
1707 Craft Road
Olive Branch, MS 38654

Desoto County School District
5 East South Street, Hernando, Mississippi 38632

No.	Revision	Date
1	ADDENDUM NO. 1	1.12.17

PARTIAL FLOOR PLAN -
AREA B COMMUNICATIONS,
AUDIO/VISUAL, & COMPUTER
POWER - ELECTRICAL

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E4.1

