# ADDENDUM NO. 03

**July 28, 2026**

**High School Addition & Renovation**
**Jr. High Addition & Renovation**
**Intermediate School Controls Renovations**
**Primary School Controls Renovations**
**Softball Concessions**
**Ellettsville, IN 47429**

## TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated July 3, 2026, by Lancer Associates Architecture. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 3-1 through ADD 3-4 and attached Lancer Associates Architecture Addendum No. 3 dated July 27, 2026, consisting of seven (7) pages and 53 drawings.

### A. SPECIFICATION SECTION 01 12 00 – MULTIPLE CONTRACT SUMMARY

1. Paragraph 3.03 Bid Categories

A. Bid Category #3 – Masonry

Add Specification Sections

| | | |
|---|---|---|
| Section | 07 21 13 | Board Insulation |
| Section | 07 27 26 | Air-Water Barrier |

Add the following Clarifications

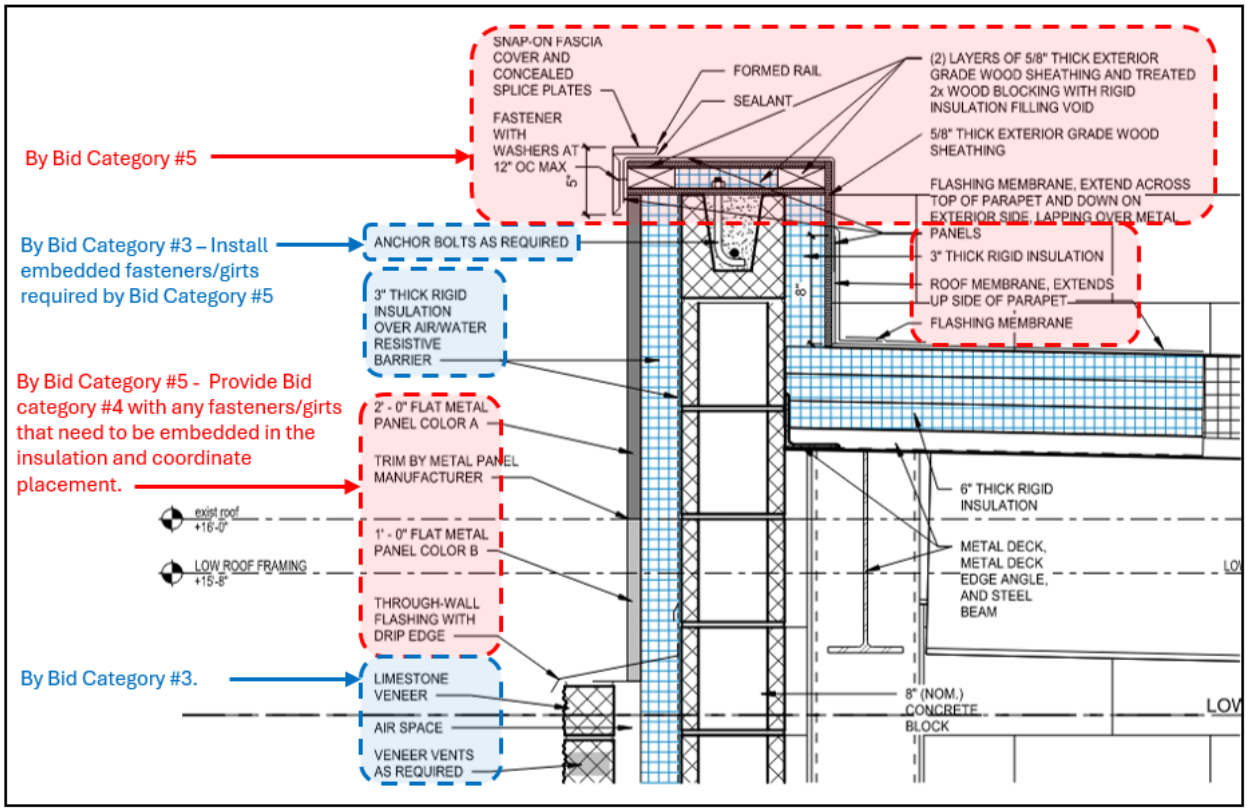
4. Jr High Drawing Sheet A101C, Note 1. Provide masonry tooth in and flashing at window installation including new lintel.
5. Jr High Drawing Sheet AD101E, provide infill at demo's window openings.

B. Bid Category #5 – Roofing

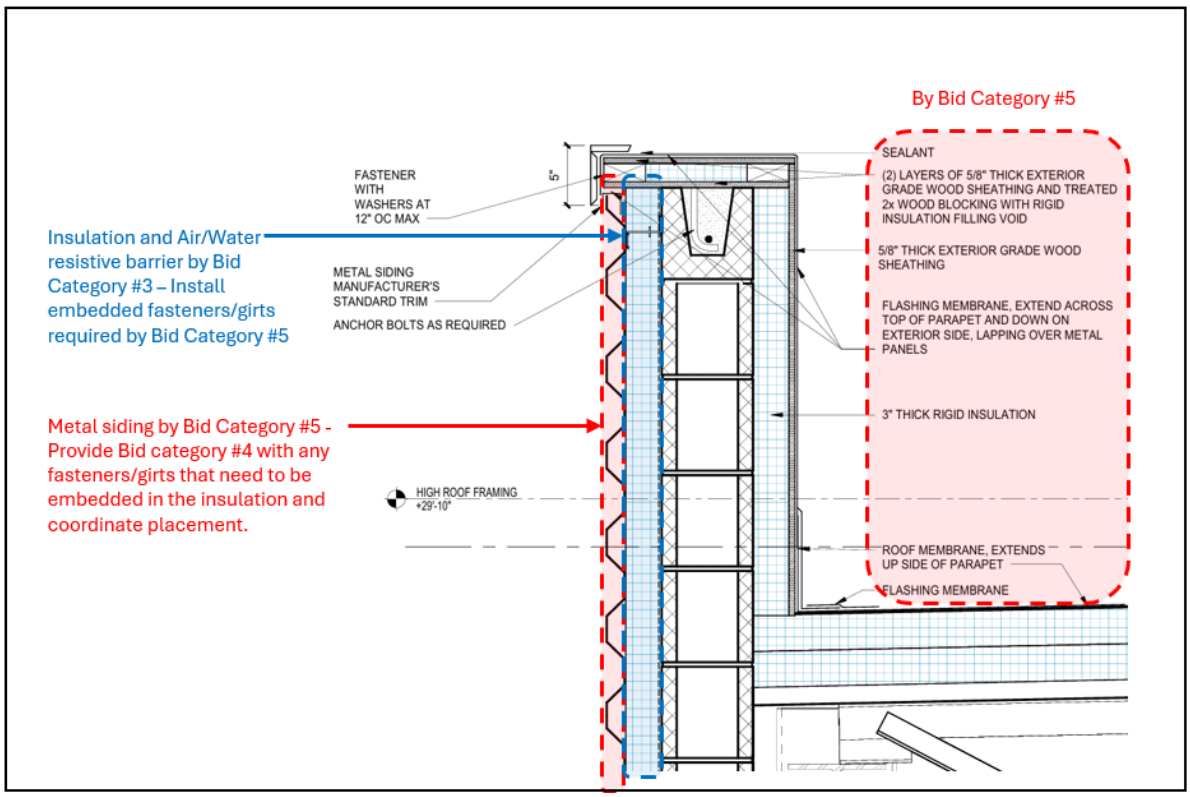
Add Specification Sections

Section 07 21 13 Board Insulation

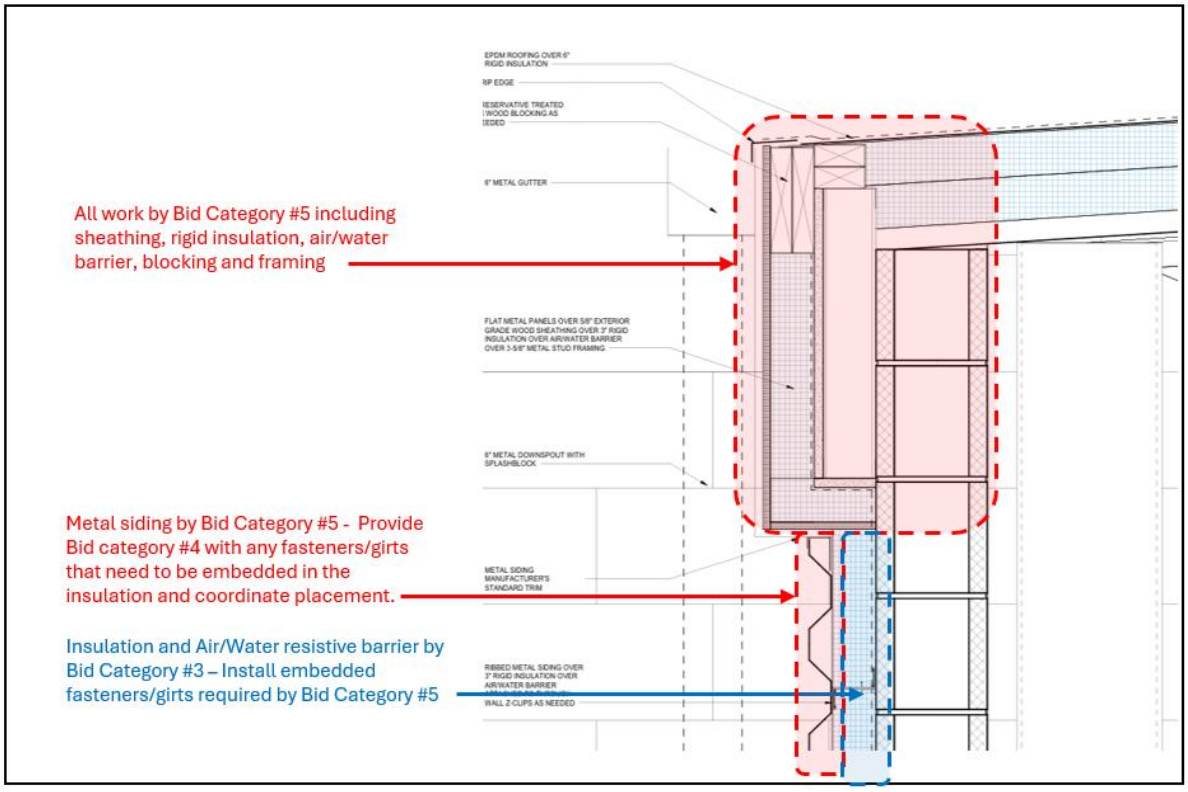
Add the following Clarifications



High School




High School




Junior High School

C. Bid Category #7 – Metal Studs, Drywall and Ceilings.

Delete Specification Sections

| | | |
|---|---|---|
| Section | 07 21 13 | Board Insulation |
| Section | 07 21 19 | Sprayed Insulation |
| Section | 07 27 26 | Air-Water Barrier |

**B. SPECIFICATION SECTION 01 32 00 – SCHEDULES AND REPORTS**

1. Edgewood High School – Roof Logistics Addendum 02 attachment DATE CORRECTION
   Total Re-Roof – 6/1/27 through 8/6/27
   Membrane Replacement 10/1/26 through 8/6/27.

**ADDENDUM NO. THREE**

**PROJECT:** **Richland-Bean Blossom CSC Additions and Renovations**

**PROJECT NUMBER:** **26102**

**DATE OF ADDENDUM:** **07-27-2026**




**THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDENDUM ACKNOWLEDGMENT SECTION OF THE BID FORM.**

**GENERAL NOTIFICATIONS:**

**QUESTIONS & ANSWERS:**

**SPECIFICATIONS:**

1. Spec Section 07 27 26
   Spec Title: Air-Water Resistive Barrier

   Change: Add Prosoco Spray Wrap MVP as an approved equal

2. Spec Section: 11 6623.53
   Spec Title: Wall Padding

   Change: Replace Section 2.3 Wall Pads with the following:

A. Safety Pad Surface-Burning Characteristics: Provide safety pads with Class A fire certification per ASTM E-84 tested in accordance with NFPA 286 to meet IBC and NFPA 101 code requirements.
B. Pad Covers: Provide safety pad fabric covers fabricated from puncture- and tear-resistant, not less than 19-oz. vinyl with Class A surface burning characteristics treated with fungicide for mildew resistance.
C. Safety Pads: Padded panels designed to be attached in a continuous row; each panel section consisting of fill laminated to backer board with visible surfaces fully covered by seamless fabric cover, free from sag and wrinkles and firmly attached to back of backer board.
1. Backer Board: Not less than 7/16-inch- thick fire-retardant-treated plywood per AWPA C27, Interior Type A.
2. Fill: Multiple-impact-resistant foam not less than 2-inch-thick neoprene.
3. Size: Each panel section, 24 inches wide by not less than 72 inches long.
4. Number of Panel Sections: As indicated on Drawings modular panel sections.
5. Installation Method: Concealed mounting Z-clips.
6. Fabric Cover Colors: As selected.

3. Spec Section 12 34 56
Spec Title: Steel Laboratory Casework and Related Products

Change: Add Airmaster Systems as an approved equal

**DRAWINGS:**

**SOFTBALL**

DRAWINGS:

1. **S101 – ROOF/ 2ND FLOOR FRAMING PLAN**
    a. Updated T/Wall elevation.
    b. Added additional framing sections to High Roof Plan for clarity.
2. **S510 – SHEARWALL ELEVATIONS**
    a. Updated T/Wall elevations on 6/S510.
    b. Updated T/Wall elevations graphically on 7 & 8/S510.
    c. Added/updated lintels, reinforcing, callouts, & key notes in shear walls.
3. **S611 – FRAMING SECTIONS**
    a. Added bond beam to 3/S611 to match elevation.

b. Updated detailing for CMU long lintel on 4 & 5/S611.
c. Added description to dimension on 6/S611.

4. **EL101**
   a. UPDATED EXTERIOR LIGHT FIXTURE; ADDED EXTERIOR LIGHT FIXTURE

**JUNIOR HIGH**

DRAWINGS

1. **S110E – FOUNDATION PLAN - UNIT E**
   a. Shifted footing steps for additional underground utilities.
   b. Lowered T/FTG elevation 8” for underground utility.
   c. Extended Shear wall footing through interior column footing.
2. **S111E – SLAB PLAN - UNIT E**
   a. Added additional keynotes for clarity.
3. **S120E – LOW ROOF FRAMING PLAN - UNIT E**
   a. Added additional framing section callouts for clarity.
   b. Added detailing for an additional opening in the roof deck.
   c. Updated beam shear reactions for (2) steel beams.
4. **S500 – TYPICAL MASONRY DETAILS**
   a. Updated a reference so that it corresponds to the correct detail.
5. **S610 – FRAMING SECTIONS**
   a. Updated kicker spacing requirements on a framing section.
   b. Changed attachment type and embedment depth of steel to CMU connections in multiple framing sections.
   c. Removed an unnecessary angle on the bottom of a steel beam.
6. **EL101**
   a. ADDED LIGHTS TO CLASSROOMS C105 AND C106; ADDED SWITCH CONTROL TO CORRIDOR LIGHT
7. **EL102**
   a. ADJUSTED LIGHTS IN E107

**HIGH SCHOOL**

DRAWINGS

1. **S100B.3 – FOUNDATION PLAN - UNIT B.3**

a. Removed Grid “N”.
b. Added additional civil retaining walls, wall footings, & key note call outs on southwest edge of Unit B.3.
c. Added/updated retaining walls and footings for new site ramps/staircases on east side of addition. Adjusted building stem wall footings and elevations. Added/adjusted foundation sections. Added/updated keynotes.
d. Added new wall footing types.
e. Adjusted approximate footing step locations and elevations in multiple locations.
f. Added additional CIP concrete wall tags on plan where footings are lowered.
g. Removed a thickened slab model element that should not have been shown on the foundation plan.
h. Added new approximate locations of underground utilities on plan. Adjusted approximate footing step locations and elevations. Added additional CIP concrete wall tags.
i. Added plan note to step footings for existing and temporary underground utilities.

2. **S101B.2 – SLAB PLAN - UNIT B.2**
   a. Updated notes on ‘Slab-on-grade’ schedule.
   b. Added approximate locations of MEP housekeeping pads. Added new key note for information on housekeeping pads.
   c. Added plan note to step footings for existing and temporary underground utilities.
3. **S101B.3 – SLAB PLAN - UNIT B.3**
   a. Removed Grid “N”.
   b. Updated notes on ‘Slab-on-grade’ schedule.
   c. Added detailing for an additional thickened slab under a wall that was missing one.
   d. Adjusted retaining walls and added an additional key note reference.
   e. Added plan note to step footings for existing and temporary underground utilities.
4. **S110B.3 – MEZZANINE FRAMING PLAN - UNIT B.3**
   a. Removed Grid “N”.
   b. Hidden out elevation & section references for clarity.
   c. Added additional reference sections to the mezzanine for clarity.
   d. Removed steel lintel in one location and replaced it with a CMU long lintel. See revision on the shear wall elevations sheet S501 for more information.
5. **S120B.3 – LOW ROOF FRAMING PLAN - UNIT B.3**
   a. Removed Grid “N”.
   b. Updated section call outs to reference the correct framing sections.
   c. Updated T/Steel elevations.
6. **S120E.2 – PARTIAL ROOF FRAMING PLAN - UNIT E.2**

   a. Added new sheet.
7. **S130B.3 – HIGH ROOF FRAMING PLAN - UNIT B.3**
   a. Changed (2) framing sections to new sections.
8. **S400 – TYPICAL FOUNDATION DETAILS**
   a. Added typical detail for MEP housekeeping pad on existing slab-on-grade.
9. **S411 – FOUNDATION SECTIONS**
   a. Added additional sheet for new foundation sections.
10. **S500 – TYPICAL MASONRY DETAILS**
   a. Updated typical vertical CMU reinforcement spacing for exterior non-shear walls.
11. **S501 – TYPICAL MASONRY DETAILS**
   a. Shifted weld tail-note to correct place on detail.
   b. Added new masonry detail.
12. **S510 – SHEARWALL ELEVATIONS**
   a. Updated vertical CMU reinforcement for a portion of shear wall.
13. **S511 – SHEARWALL ELEVATIONS**
   a. Added additional openings, lintels, jamb bars, and updated reinforcing and key notes.
   b. Removed (1) control joint.
   c. Replaced (1) steel lintel with continuous CMU long lintel.
14. **S602 – TYPICAL FRAMING DETAILS**
   a. Added new framing detail.
15. **S610 – FRAMING SECTIONS**
   a. Updated deck edge dimension.
   b. Changed attachment type and embedment depth of steel to CMU connections in multiple framing sections.
   c. Removed an unnecessary kicker.
   d. Added a note to soap around steel beams penetrating through CMU walls.
16. **S611 – FRAMING SECTIONS**
   a. Added new sheet for additional framing sections.

17. **MD102**
   a. ADDED MISSING AHU
18. **MP101A1**
   a. UPDATED NOTES
19. **MP101A2**
   a. MOVED PLAN VIEW OUT OF NOTES.
20. **MP101B1**
   a. UPDATED NOTES
21. **MP101B3**
   a. MOVED PLAN VIEW OUT OF NOTES.
22. **MP101C1**
   a. UPDATED NOTES

23. **MP101D1**
    a. UPDATED NOTES
24. **MP101D2**
    a. MOVED PLAN VIEW OUT OF NOTES.
25. **MR101**
    a. ADDED MISSING AHU AND NOTES.

**PRIMARY SCHOOL**

DRAWINGS

1. **MH101**
    a. UPDATED NOTES
2. **MH102**
    a. UPDATED NOTES
3. **MH103**
    a. UPDATED NOTES
4. **MH104**
    a. UPDATED NOTES
5. **MH105**
    a. UPDATED NOTES
6. **MH106**
    a. UPDATED NOTES
7. **M-601**
    a. UPDATED SCHEDULE NOTES.
8. **M-602**
    a. UPDATED SCHEDULE NOTES.

**INTERMEDIATE SCHOOL**

DRAWINGS

1. **MH101**
    a. UPDATED NOTES
2. **MH102**
    a. UPDATED NOTES
3. **MH103**
    a. UPDATED NOTES
4. **MH104**
    a. UPDATED NOTES
5. **MH105**
    a. UPDATED NOTES
6. **MH106**
    a. UPDATED NOTES
7. **M-601**
    a. UPDATED SCHEDULE NOTES.
8. **M-602**

a. UPDATED SCHEDULE NOTES.

9. **M-702**
    a. ADDED SHEET

**Attachments:**
Drawings:
Softball Concessions:
S101, S510, S611, EL101
Jr High School:
S101E, S11E, S120E, S500, S610, EL101, EL102
High School:
S100B.3, S101B.2, S101B.3, S110B.3, S120B.3, S120E.2, S130B.3, S400, S411, S500, S501, S510, S511, S602, S610, S611,MD102, MP101A1, MP101A2, MP101B1, MP101B3, MP101C1, MP101D1, MP101D2, MR101
Primary School:
MH101, MH102, MH103, MH104, MH105, MH106, M-601, M602
Intermediate School:
MH101, MH102, MH103, MH104, MH105, MH106, M-601, M602, M702

END OF ADDENDUM NO. THREE

## FRAMING PLAN NOTES

1. REF. S000 SERIES FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. THE S500 SERIES FOR TYPICAL MASONRY DETAILS.
3. REF. THE S600 SERIES FOR TYPICAL FRAMING DETAILS AND SECTIONS.
4. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
5. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 0'-0". REFER TO CIVIL DWGS FOR U.S.G.S. ELEVATION.
6. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
7. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
8. COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
9. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF WALL UNLESS NOTED OTHERWISE.
10. PROVIDE CMU REINFORCING AS NOTED ON PLANS AND TYPICAL DETAILS ON S500. PROVIDE HORIZONTAL REINFORCING @ 16" o.c. U.N.O. REF. TO ARCH. DRAWINGS FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
11. ALL MASONRY BOND BEAMS, OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, U.N.O.
12. U.N.O. ON PLAN OR DETAIL, ANCHOR WOOD PLATES TO THE CONCRETE MASONRY WALLS USING SIMPSON STRONG TIE ø5/8" TITEN HEAVY DUTY SCREW ANCHORS w/ 5" MIN. EMBEDMENT INTO GROUTED CMU. SPACE ANCHORS @ 16" o.c. FOR LOAD BEARING WALLS AND 48" o.c. FOR NON-LOAD BEARING WALLS.
13. ALL LVL TO BE 2.0E U.N.O.
14. FASTEN LVL PLYS TOGETHER WITH (3) ROWS OF 0.131" x 3" NAILS @ 4" o.c., U.N.O.
15. WHERE TITEN HD SCREW ANCHORS ARE TO BE INSTALLED IN FACE OF CMU WALL, ANCHORS MAY NOT BE INSTALLED IN OR NEAR CMU HEAD JOINTS.
16. WHERE STEEL BEAMS ARE CALLED TO HAVE WOOD NAILERS SUPPORTING WOOD FLOOR OR ROOF FRAMING ABOVE, ATTACH FIRST NAILER PLATE TO STEEL BEAM w/ 1/2" DIA. BOLTS SPACED AT 24" o.c. AND STAGGERED EACH SIDE OF THE BEAM WEB. U.N.O. DRILL THE SECOND PLATE AT THE HEADS OF THE BOLTS AND NAIL TO FIRST PLATE.
17. CONNECTOR TYPE INDICATED IN SCHEDULE BASIS OF DESIGN IS SIMPSON STRONG-TIE. ALTERNATIVE SUPPLIERS MAY BE ACCEPTABLE. SUBMIT SUBSTITUTION REQUEST FOR EACH CONDITION PROVING EQUAL OR BETTER CAPACITY.
18. PLAN LEGEND:

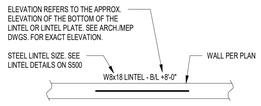
| | |
|---|---|
| F.F. | DENOTES FINISH FLOOR. |
| T/'X' | DENOTES TOP OF FRAMING ELEMENT. (STEEL JOIST, SLAB, ETC.) |
| B/'X' | DENOTES BOTTOM OF FRAMING ELEMENT. (LINTEL, JOIST, SLAB, ETC.) |
| — – — | DENOTES PREFABRICATED, PLATE-CONNECTED WOOD ROOF TRUSS |
| | DENOTES CMU BEARING/SHEAR WALL |
| ⊗ | DENOTES APPROX. LOCATION OF OPENING IN DECK. |

17. WIDE-FLANGE BEAM & GIRDER NOTATION:

REF. THE STEEL CONNECTION NOTES ON S001 FOR DESIGN OF CONNECTIONS AT BEAMS & GIRDERS WITH NO REACTION SHOWN. THE MIN. SHEAR CONNECTION DESIGN LOAD SHALL BE 15 KIPS.




TYPICAL BEAM DIAGRAM




**STEEL LINTEL NOTE:** COORDINATE OPENING SIZES AND LOCATIONS WITH ARCH./MEP DWGS. SEE TYP. LINTEL DETAILS ON S500

TYPICAL LINTEL BEAM DIAGRAM

## WOOD STAIR FRAMING NOTES

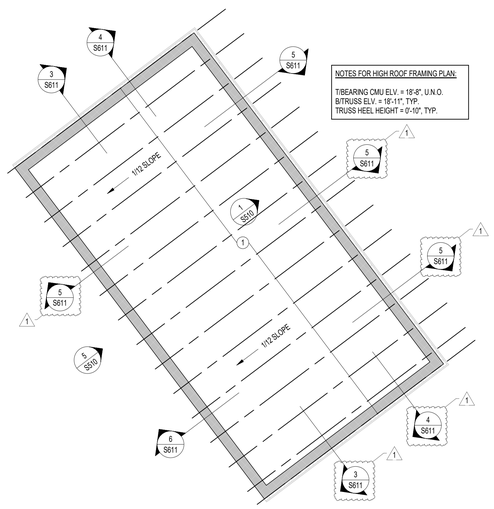
1. ALL STAIRS WHERE INDICATED ON THE ARCHITECTURAL PLANS & DETAILS WILL HAVE WOOD FLIGHTS.
2. SHOP DRAWINGS MUST BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF INDIANA.
3. STAIRS MUST BE ABLE TO SUPPORT A 100 PSF LIVE LOAD PLUS A 20 PSF DEAD LOAD.
4. ALL WOOD STAIR STRINGERS TO BE DESIGNED BY THE STAIR MANUFACTURER FOR THE LOADS IN NOTE 3. DO NOT ROUT, RIP, PLANE, OR NOTCH STRINGERS UNLESS DIRECTED TO DO SO BY A LICENSED P.E. STRINGERS SHALL BE DESIGNED TO ATTACH TO CMU WALLS.
5. ANY ADDITIONAL SUPPORT REQUIRED FOR STAIR WILL BE SUPPORTED BY 2x_ WOOD STUD WALLS. DIRECTLY ATTACH TOP OF STAIR TO LVL BEAM.
6. SEE ARCHITECTURAL STAIR PLANS, SECTIONS, AND DETAILS FOR ADDITIONAL DIMENSIONS AND ELEVATIONS.

## (1) FRAMING PLAN KEY NOTES

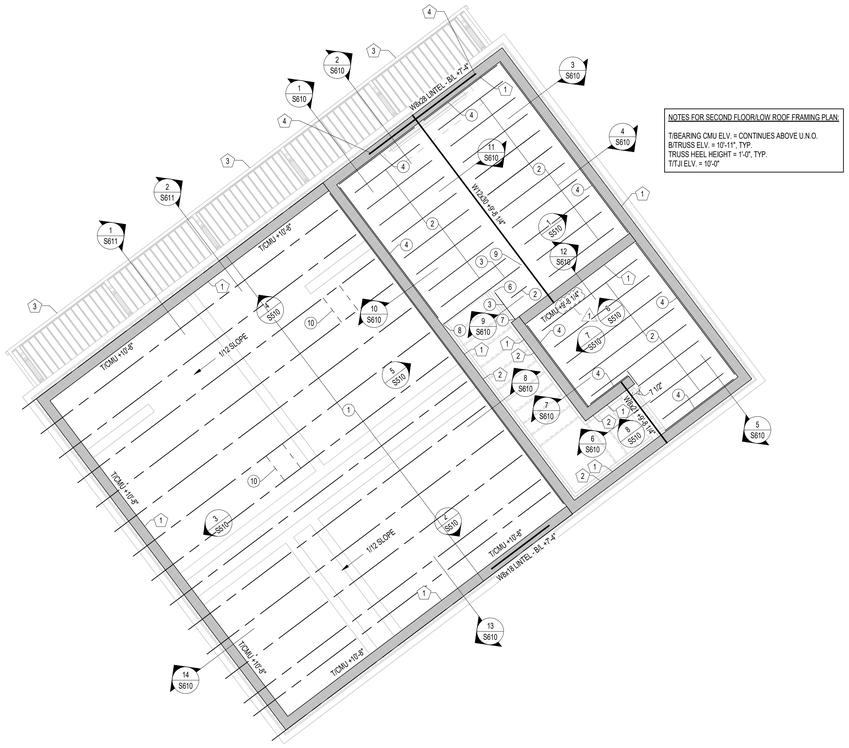
| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | 8" CMU BEARING/SHEAR WALL. REFER TO SHEAR WALL ELEVATIONS AND TYPICAL DETAILS FOR REINF. REQUIREMENTS |
| 2 | GROUT CMU WALL SOLID FOR STAIR STRINGER ATTACHMENT. COORDINATE WITH ARCH. DWGS. AND DELEGATED STAIR DESIGNER. |
| 3 | PRE-ENGINEERED CANOPY PER ARCH. DWGS. COORDINATE ATTACHMENT TO CMU WALL. CMU WALL TO BE GROUTED SOLID AT ATTACHMENT LOCATIONS. SEE SECTIONS AND TYPICAL FRAMING DETAIL ON S600 WHEN CANOPY CONNECTION IS ABOVE T/CMU. |
| 4 | PROVIDE 1'-4" OF BEARING FOR THIS LINTEL. PROVIDE #5 FULL HEIGHT VERTICAL IN EACH CELL BELOW LINTEL BEARING AND GROUT SOLID. |

## (1) WOOD FRAMING KEY NOTES

| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | ROOF TRUSSES @ 24" O.C. MAX. w/ APA-RATED SHEATHING PER NOTES. SLOPE TOP-CHORD PER PLAN. COORDINATE TRUSS TOP CHORD OVERHANG DETAILS WITH THE ARCHITECTURAL DRAWINGS. ATTACH TRUSSES TO DOUBLE TOP PLATE w/ SIMPSON H10A HURRICANE TIES, U.N.O. |
| 2 | 11 7/8" TJI 360 WOOD I JOISTS @ 16" O.C. MAX. w/ 3/4" NOMINAL (23/32" ACTUAL) APA-RATED SUBFLOOR WITH TONGUE & GROOVE EDGES BOTH GLUED & NAILED TO FLOOR MEMBERS. PROVIDE SIMPSON LSSI16/20 FACE MOUNT HANGER @ LVL LEDGER OR LVL BEAM. PROVIDE BA2.37/11.88 TOP MOUNT HANGER @ STEEL BEAM. PROVIDE WEB STIFFENERS AT BOTH ENDS OF EVERY TJI. |
| 3 | 2-PLY 1 3/4" x 11 7/8" DEEP LVL BEAM. |
| 4 | 2-PLY 1 3/4" x 11 7/8" DEEP LVL LEDGER BEARING ON STEEL ANGLE. SEE SECTIONS FOR ATTACHMENT TO CMU. |
| 6 | PROVIDE SIMPSON LUS410 HANGER. |
| 7 | PROVIDE SIMPSON MBHU3.56/11.88KT HANGER. |
| 8 | PROVIDE SIMPSON HUC410 HANGER. |
| 9 | PROVIDE SIMPSON HWPH3.56, H=11.813" HANGER. |
| 10 | APPROX. LOCATION OF MECH. ROOF HOOD. BLOCK AROUND OPENING IN SHEATHING. TRUSS MFR TO COORDINATE WITH MEP FOR EXACT LOCATIONS |




2 S101 HIGH ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"




1 S101 SECOND FLOOR/ LOW ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"


LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Harrison & Brumleve, Inc.


RICHLAND-BEAN BLOSSOM COMM. SCHOOL CORP
BASEBALL/SOFTBALL TURF
601 EDGEWOOD DRIVE
ELLETTSVILLE, IN 47429

DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-2026 | ADDM03 |

**100% CONSTRUCTION DOCUMENTS**

| |
|---|
| PROJECT: #26101 |
| DATE: 07/03/2026 |
| DRAWN BY: JDO |

ROOF/ 2ND FLOOR FRAMING PLAN

N
TRUE NORTH

S101

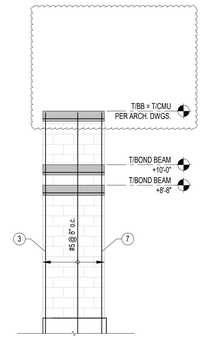
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## MASONRY WALL ELEVATION NOTES

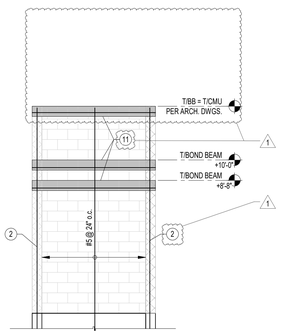
1. REFER TO THE 'REINFORCED MASONRY NOTES' ON SHEET S001 FOR GENERAL MASONRY REQUIREMENTS.
2. HORIZONTAL REINFORCING NOT SHOWN IN ELEVATIONS FOR CLARITY. PROVIDE W1.7 HORIZONTAL LADDER REINFORCING @ 16" o.c. TYP. AND @ 8" o.c. AT ALL PARAPETS.
3. FOR CLARITY, VERTICAL REINFORCING BARS ARE SHOWN FULL HEIGHT INTO CONCRETE STEM WALL & CONCRETE WALL REINFORCING IS NOT SHOWN. LAPS FOR VERTICAL BARS ARE NOT SHOWN. VERTICAL BARS SHOULD BE SEGMENTED AND LAPPED PER NOTES AND TYPICAL DETAILS.
4. CORES ARE TO BE GROUTED SOLID AT ALL BAR LOCATIONS.
5. COORDINATE WALL AND OPENING DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
6. MASONRY SHEAR WALL AND CONCRETE WALL FOOTINGS NOT FULLY SHOWN FOR CLARITY. SEE OTHER DETAILS AND SECTIONS FOR DOWELS CAST IN TO WALL FOOTINGS.

## (1) CMU SHEAR WALL ELEVATION KEY NOTES

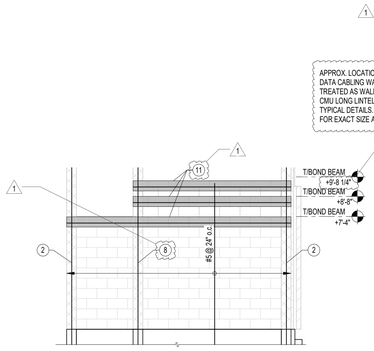
| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | CMU CONTROL JOINT. ADDITIONAL REINFORCING AT CONTROL JOINT NOT SHOWN FOR CLARITY. SEE S500 FOR DETAILS OF CONTROL JOINTS AND ADDITIONAL REINFORCING. |
| 2 | ADDITIONAL FULL HEIGHT VERTICAL CORNER BAR PER TYPICAL DETAILS ON S500. |
| 3 | ADDITIONAL FULL HEIGHT VERTICAL CORNER BAR NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL BAR. |
| 4 | ADDITIONAL FULL HEIGHT VERTICAL JAMB BAR PER TYPICAL DETAILS ON S500. |
| 5 | ADDITIONAL FULL HEIGHT VERTICAL JAMB BARS NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL BAR. |
| 7 | ADDITIONAL FULL HEIGHT VERTICAL END OF WALL BAR NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL. |
| 8 | ADDITIONAL FULL HEIGHT VERTICAL INTERSECTING WALL BAR PER TYPICAL DETAILS ON S500. |
| 9 | ADDITIONAL FULL HEIGHT VERTICAL INTERSECTING WALL BAR NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL BAR. |
| 10 | MASONRY LONG LINTEL INTEGRAL w/ BOND BEAM PER TYPICAL DETAILS ON S500. REINFORCING PER DETAILS U.N.O. |
| 11 | CMU BOND BEAM AND REINFORCING PER TYPICAL DETAILS ON S500. BOND BEAMS ARE TO BE OPEN CORE EXCEPT WHERE BOTTOM OF UNITS WILL BE EXPOSED. WHERE BOND BEAM INTERSECTS MASONRY LINTEL, THE HORIZONTAL REINFORCEMENT SHALL BE CONTINUOUS. |



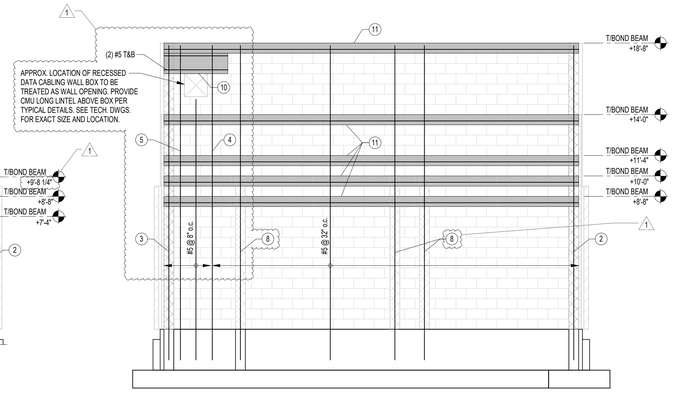

8 S510 SHEARWALL ELEVATION - INTERIOR WALL 4
SCALE: 1/4" = 1'-0"



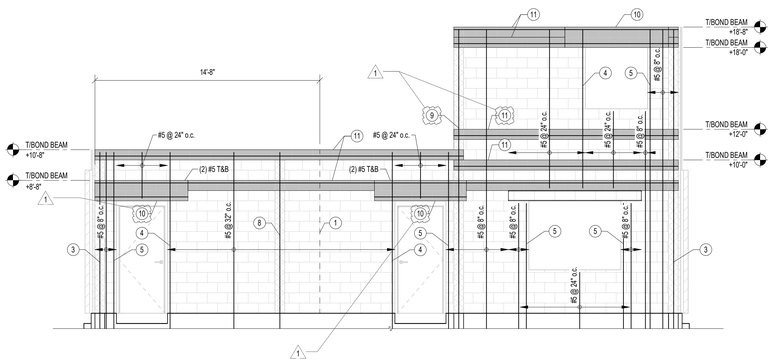

7 S510 SHEARWALL ELEVATION - INTERIOR WALL 3
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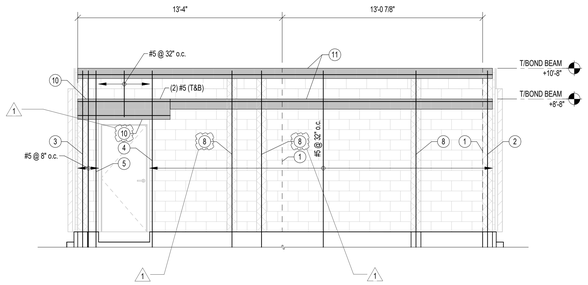

6 S510 SHEARWALL ELEVATION - INTERIOR WALL 2
SCALE: 1/4" = 1'-0"



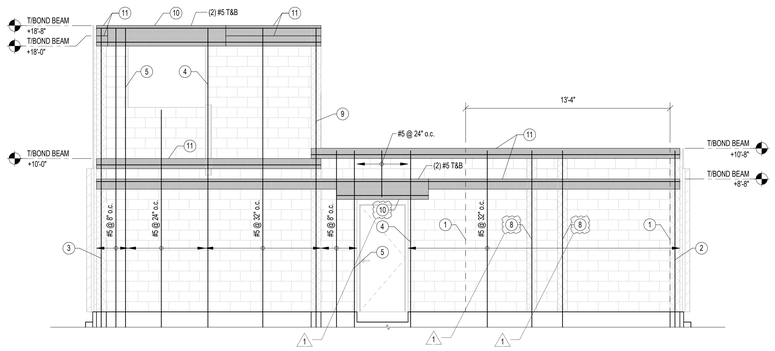

5 S510 SHEARWALL ELEVATION - INTERIOR WALL
SCALE: 1/4" = 1'-0"



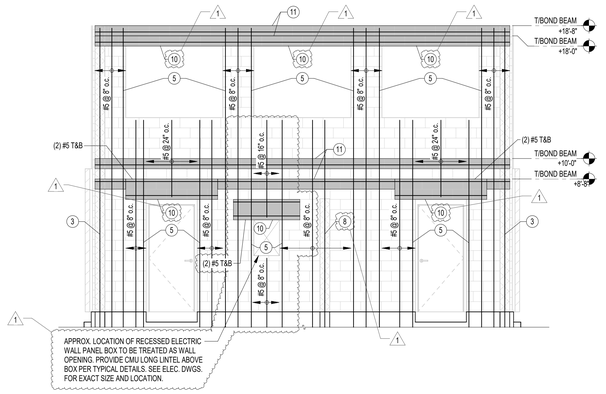

4 S510 SHEARWALL ELEVATION - NORTH WEST WALL
SCALE: 1/4" = 1'-0"




3 S510 SHEARWALL ELEVATION - SOUTH WEST WALL
SCALE: 1/4" = 1'-0"




2 S510 SHEARWALL ELEVATION - SOUTH EAST WALL
SCALE: 1/4" = 1'-0"




1 S510 SHEARWALL ELEVATION - NORTH EAST WALL
SCALE: 1/4" = 1'-0"


LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Harrison & Brumleve, Inc.


RICHLAND-BEAN BLOSSOM COMM. SCHOOL CORP
BASEBALL/SOFTBALL TURF
601 EDGEWOOD DRIVE
ELLETTSVILLE, IN 47429

DANIEL JACK LEWIS
REGISTERED
No. PE12300430
STATE OF INDIANA
PROFESSIONAL ENGINEER

Daniel Jack Lewis
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-2026 | ADDR03 |

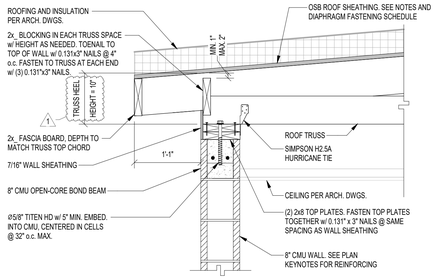
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| PROJECT: | #26101 |
| DATE: | 07/03/2026 |
| DRAWN BY: | JDO |

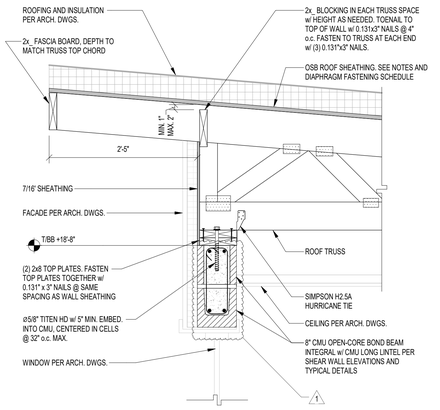
SHEARWALL ELEVATIONS

S510

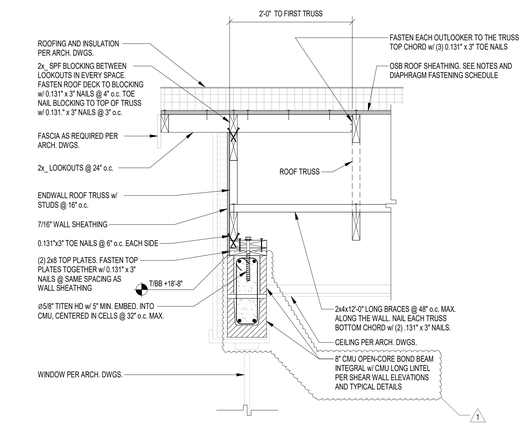
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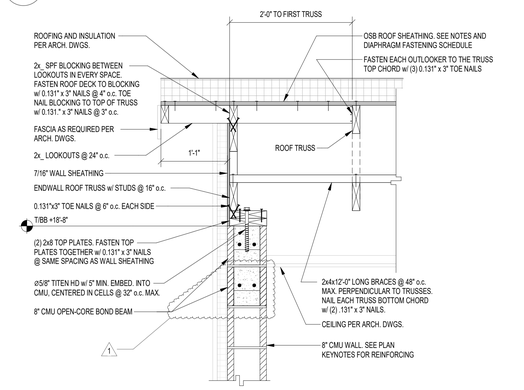

6 S611 **FRAMING SECTION**
SCALE: 1" = 1'-0"



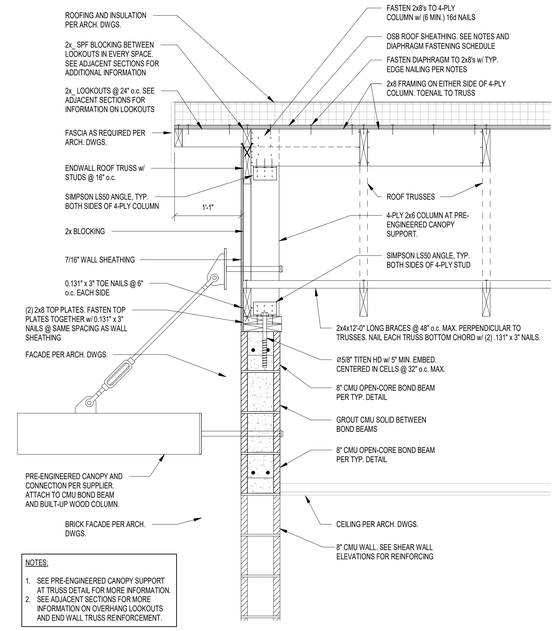

5 S611 **FRAMING SECTION**
SCALE: 1" = 1'-0"




4 S611 **FRAMING SECTION**
SCALE: 1" = 1'-0"

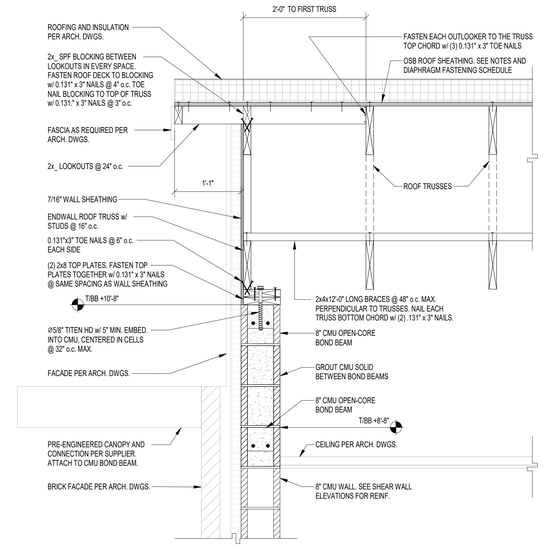



3 S611 **FRAMING SECTION**
SCALE: 1" = 1'-0"




NOTES:
1. SEE PRE-ENGINEERED CANOPY SUPPORT AT TRUSS DETAIL FOR MORE INFORMATION.
2. SEE ADJACENT SECTIONS FOR MORE INFORMATION ON OVERHANG LOOKOUTS AND END WALL TRUSS REINFORCEMENT.

2 S611 **FRAMING SECTION**
SCALE: 1" = 1'-0"




1 S611 **FRAMING SECTION**
SCALE: 1" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
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601 EDGEWOOD DRIVE
ELLETTSVILLE, IN 47429

DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-2026 | ADD#03 |

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| DATE: | 07/03/2026 |
| DRAWN BY: | JDO |

FRAMING SECTIONS

S611

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## GENERAL LIGHT FIXTURE SCHEDULE NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B PROVIDE VIBRATION DAMPERS FOR ALL ALUMINUM AND STEEL POLES 10'-0" AND ABOVE.
C PROVIDE SELF-DIAGNOSTICS AND SELF-TESTING FOR ALL LIFE SAFETY FIXTURES (EXIT FIXTURES, WALL PACKS, INVERTERS BALLASTS, ETC.)
D PROVIDE 0-10V ELECTRONIC DIMMING DRIVER DOWN TO 10% UNLESS OTHERWISE NOTED.
E PROVIDE A MINIMUM OF ONE CLIP PER SIDE UP TO 4' AND CABLE SUPPORTS FOR EACH LIGHT FIXTURE.
F REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.
G SUBMITT LIGHTING PER APPROPRIATE SPECIFICATION SECTION.

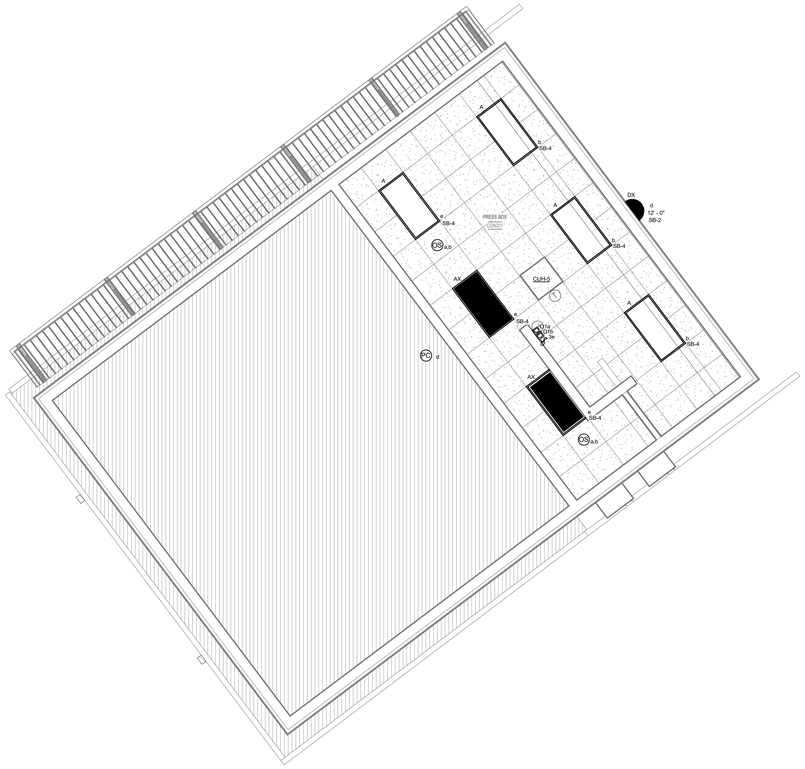
INTERIOR/EXTERIOR/EMERGENCY & EXIT LIGHT FIXTURES SCHEDULE

| LABEL | DESCRIPTION | VOLTAGE | SOURCE TYPE | LUMENS | WATTS | CCT | MOUNTING | LENS/REFLECTOR | CERTIFICATIONS | ACCEPTABLE MANUFACTURERS | LABEL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 24" X 48" FLAT PANEL, STEEL, 0-10V DIMMING DOWN TO 10%, STATIC AIR FUNCTION, WHITE FINISH | 120/277 V | LED | 3368 | 25 W | 5000 K 80 CRI | RECESSED | SATIN WHITE DIFFUSER | DLC | LITHONIA LIGHTING CPX 2X4 SERIES<br>COLUMBIA LIGHTING CBT24 SERIES<br>HE WILLIAMS LIGHTING BP24 SERIES<br>METALUX LIGHTING 24CGT SERIES | A |
| AX | 24" X 48" FLAT PANEL, STEEL, 0-10V DIMMING DOWN TO 10%, STATIC AIR FUNCTION, WHITE FINISH, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS | 120/277 V | LED | 3368 | 25 W | 5000 K 80 CRI | RECESSED | SATIN WHITE DIFFUSER | DLC | LITHONIA LIGHTING CPX 2X4 SERIES<br>COLUMBIA LIGHTING CBT24 SERIES<br>HE WILLIAMS LIGHTING BP24 SERIES<br>METALUX LIGHTING 24CGT SERIES | AX |
| B | 48" LENSED STRIP LIGHT, 0-10V DIMMING DOWN TO 10%, WHITE FINISH, | 120/277 V | LED | 5884 | 42 W | 5000 K 80 CRI | CABLE MOUNTED TO STRUCTURE | DIFFUSE ACRYLIC LENS WITH ENDCAPS | DLC | LITHONIA LIGHTING CSS L48 SERIES<br>COLUMBIA LIGHTING MP54 SERIES<br>HE WILLIAMS LIGHTING FS4 SERIES<br>METALUX LIGHTING 4SLSTP SERIES | B |
| BX | 48" LENSED STRIP LIGHT, 0-10V DIMMING DOWN TO 10%, WHITE FINISH, INTEGRAL BATTERY INVERTER, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS | 120/277 V | LED | 5884 | 42 W | 5000 K 80 CRI | CABLE MOUNTED TO STRUCTURE | DIFFUSE ACRYLIC LENS WITH ENDCAPS | DLC | LITHONIA LIGHTING CSS L48 SERIES<br>COLUMBIA LIGHTING MP54 SERIES<br>HE WILLIAMS LIGHTING FS4 SERIES<br>METALUX LIGHTING 4SLSTP SERIES | BX |
| CX | FULL CUTOFF EXTERIOR RATED LIGHT FIXTURE, DIE CAST ALUMINUM, GASKETED, DARK BRONZE FINISH, IP66 RATED, PHOTOCELL CONTROLLED, FULL CUTOFF EXTERIOR RATED LIGHT FIXTURE, DIE CAST ALUMINUM, GASKETED, DARK BRONZE FINISH, IP66 RATED, PHOTOCELL, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS | 120/277 V | LED | 758.1 | 9 W | 5000 K 80 CRI | RECESSED | DIFFUSE LENS | N/A | LITHONIA LIGHTING WPXO SERIES | CX |
| DX | LED WALL LIGHT, DIE-CAST ALUMINUM HOUSING, HINGED DOOR FRAME, DARK BRONZE FINISH, U.L. LISTED FOR WET LOCATIONS. TYPE 4 FORWARD THROW | 120/277 V | LED | 4505 | 45 W | 5000 K 80 CRI | WALL MOUNTED | | N/A | MCGRAW-EDISON ISS<br>SPAULDING GSP<br>LITHONIA WSQ | DX |

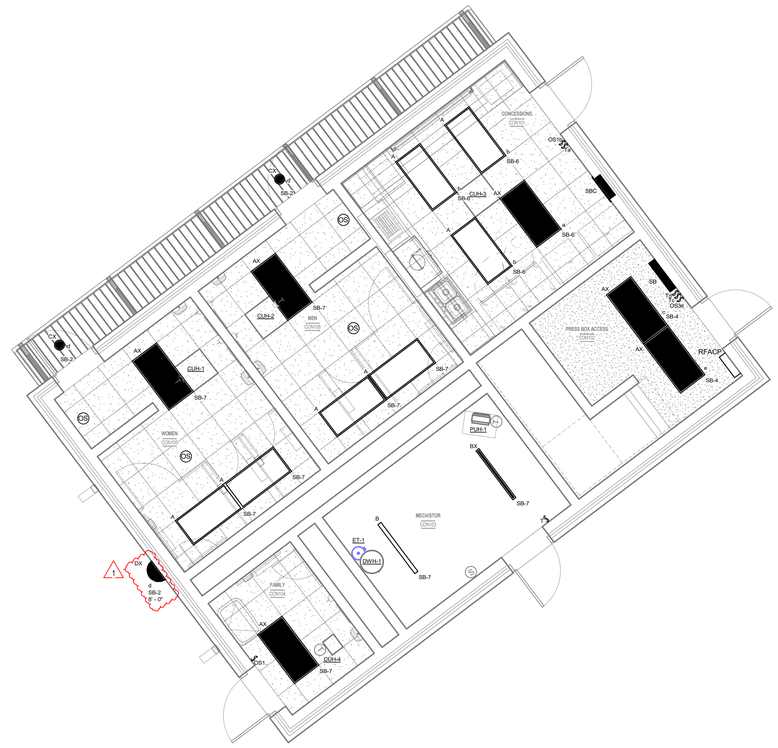
## GENERAL LIGHTING NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.
C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.
D NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

## ◯ LIGHTING PLAN NOTES




2 ELECTRICAL LIGHTING SECOND FLOOR PLAN
1/4" = 1'-0"




1 ELECTRICAL LIGHTING FIRST FLOOR PLAN
1/4" = 1'-0"

PLOT DATE/TIME:7/22/2026 9:40:09 AM

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TRUE NORTH


LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

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RICHLAND-BEAN BLOSSOM COMM. SCHOOL CORP
BASEBALL/SOFTBALL TURF
601 EDGEWOOD DRIVE
ELLETTSVILLE, IN 47429

DAVID L. JONES, III
REGISTERED
NO. PE12100175
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

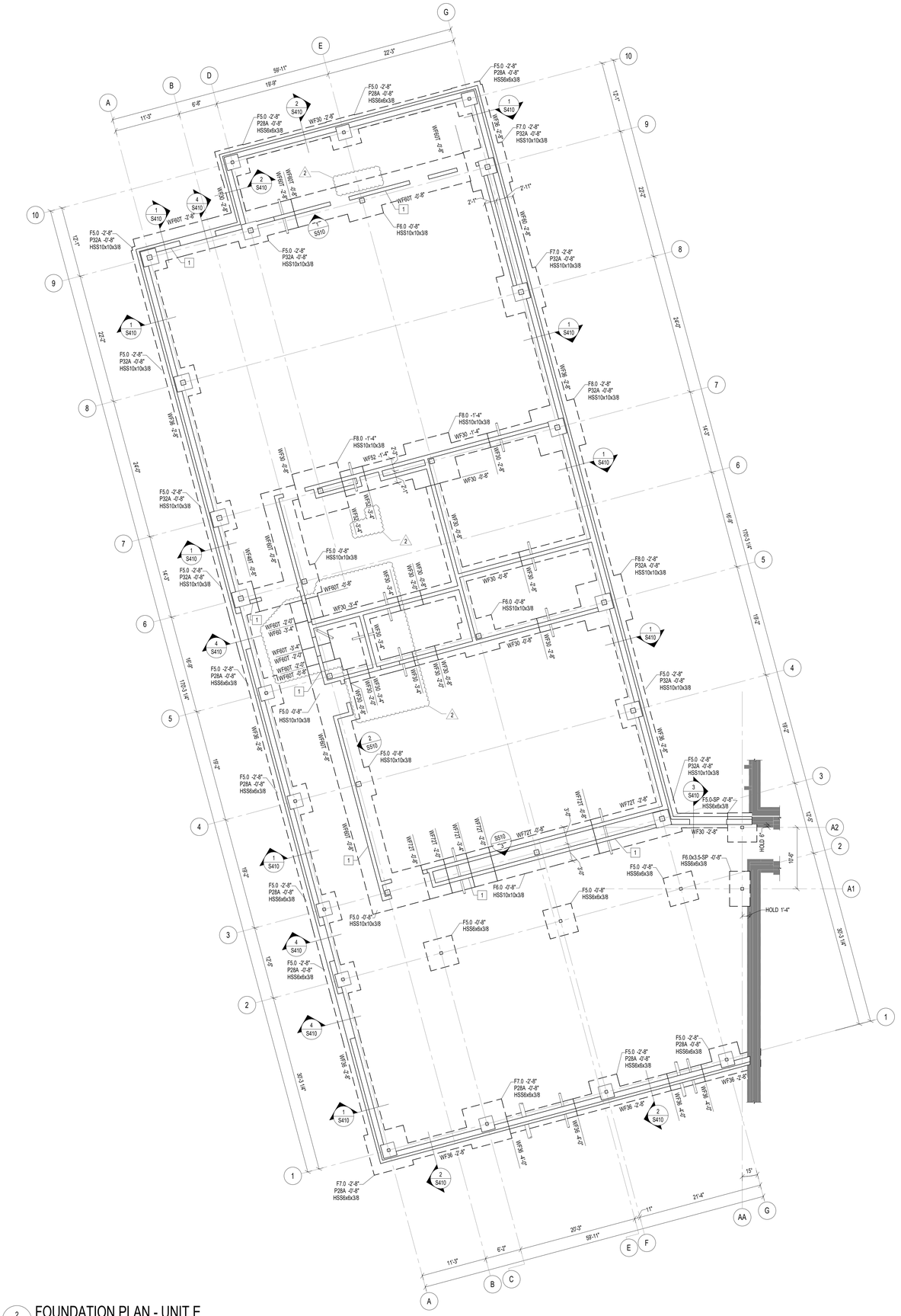
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| 1 | 07.27.2026 | ADDENDUM #3 |

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PROJECT: #26101
DATE: 07-03-2026
DRAWN BY: BJW

ELECTRICAL LIGHTING PLANS

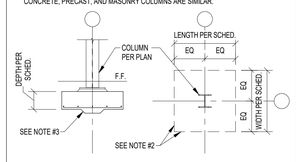
EL101




2 S110E FOUNDATION PLAN - UNIT E
SCALE: 1/8" = 1'-0"

## COLUMN FOOTING SCHEDULE

NOTES:
1. CENTER FOOTINGS BENEATH COLUMNS, U.N.O. ON PLAN
2. FOOTINGS MAY BE CAST DIRECTLY AGAINST SOIL WITHOUT FORMING, WHERE SOIL CONDITIONS PERMIT. THE ON-SITE GEOTECHNICAL TESTING AGENCY SHALL CONFIRM THAT SOIL CONDITIONS ARE ACCEPTABLE. IF FOOTINGS ARE BANK POURED, THE FOOTING LENGTH AND WIDTH SHALL BE INCREASED BY 2" ON EACH SIDE. FOR EXAMPLE, A 5'-0"x5'-0" FOOTING SHALL BE 5'-4"x5'-4". THE REINFORCING IN THE SCHEDULE DOES NOT NEED TO INCREASE BY THIS AMOUNT. FORM TOP OF FOOTINGS WHERE SOIL HAS SLOUGHED SIGNIFICANTLY. OTHERWISE FOOTINGS SHALL BE BOARD FORMED.
3. INCREASE FOOTING DEPTH WHERE REQUIRED TO ENCASE COLUMN ANCHOR RODS. THIS SHALL BE LOCALLY AT THE ANCHOR RODS AND NOT FOR THE ENTIRE FOOTPRINT OF THE FOOTING.
4. WIDE FLANGE STEEL COLUMN IS SHOWN BELOW. OTHER COLUMNS, I.E. HSS, CONCRETE, PRECAST, AND MASONRY COLUMNS ARE SIMILAR.




| FTG. MARK | LENGTH | WIDTH | THICK | REINF. EACH WAY |
|---|---|---|---|---|
| F5.0 | 5'-0" | 5'-0" | 1'-2" | (6) #5 x 4'-6" TOP & BOTTOM w/ 180 DEG HOOKS |
| F5.0-SP | 5'-0" | 5'-0" | 3'-8" | (6) #5 x 4'-6" & (6) #5 x 5'-0" MIN TOP & BOTTOM |
| F6.0 | 6'-0" | 6'-0" | 1'-2" | (7) #5 x 5'-6" TOP & BOTTOM w/ 180 DEG HOOKS |
| F6.0x3.5-SP | 6'-0" | 3'-8" | 3'-0" | (4) #5 x 5'-6" & (7) #5 x 4'-0" MIN TOP & BOTTOM |
| F7.0 | 7'-0" | 7'-0" | 1'-4" | (8) #6 x 6'-6" TOP & BOTTOM w/ 180 DEG HOOKS |
| F8.0 | 8'-0" | 8'-0" | 1'-6" | (9) #6 x 7'-6" TOP & BOTTOM w/ 180 DEG HOOKS |

## WALL FOOTING SCHEDULE

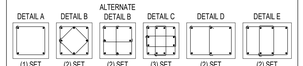
NOTES:
1. CENTER FOOTINGS BENEATH WALLS, U.N.O.
2. RETAINING WALL FOOTING, DENOTED WITH THE PREFIX RWF, WILL SHOW THE HEEL DIMENSION OF THE FOOTING ON PLAN OR ON SECTION.
3. FOOTINGS MAY BE CAST DIRECTLY AGAINST SOIL WITHOUT FORMING, WHERE SOIL CONDITIONS PERMIT. THE ON-SITE GEOTECHNICAL TESTING AGENCY SHALL CONFIRM THAT SOIL CONDITIONS ARE ACCEPTABLE. IF FOOTINGS ARE BANK POURED, THE FOOTING WIDTH SHALL BE INCREASED BY 2" ON EACH SIDE. FOR EXAMPLE, A 30" WIDE FOOTING SHALL BE 34". THE REINFORCING IN THE SCHEDULE DOES NOT NEED TO INCREASE BY THIS AMOUNT. FORM TOP OF FOOTINGS WHERE SOIL HAS SLOUGHED SIGNIFICANTLY. OTHERWISE FOOTINGS SHALL BE BOARD FORMED.
4. FOR FOOTING MARKS THAT END WITH A "T", PROVIDE REINFORCING IN SCHEDULE TO TOP AND BOTTOM OF FOOTING.

| FTG. MARK | WIDTH | THICK | CONT. REINF. | TRANS. REINF. |
|---|---|---|---|---|
| WF30 | 2'-6" | 1'-2" | (3) - #5 | #4 x 2'-0" @ 96" o.c. |
| WF36 | 3'-0" | 1'-2" | (4) - #5 | #4 x 2'-0" @ 96" o.c. |
| WF48T | 4'-0" | 1'-2" | (5) - #5 | #5 x 3'-6" @ 12" o.c. |
| WF52 | 4'-4" | 1'-2" | (5) - #5 | #4 x 3'-10" @ 96" o.c. |
| WF60 | 5'-0" | 1'-2" | (6) - #5 | #4 x 4'-6" @ 96" o.c. |
| WF60T | 5'-0" | 1'-2" | (6) - #5 | #5 x 4'-6" @ 12" o.c. |
| WF72T | 6'-0" | 1'-2" | (7) - #5 | #5 x 5'-6" @ 12" o.c. |

## PIER SCHEDULE

NOTES:
1. PROVIDE MINIMUM, 1-1/2" CLEAR TO PIER TIES.
2. REFER TO FOUNDATION PLAN(S) FOR TOP OF PIER & TOP OF FOOTING ELEVATIONS.
3. TYPICAL TIE SPACING, UNLESS NOTED OTHERWISE:
4. REFER TO CONCRETE PIER REINFORCING TYPICAL DETAIL FOR TIE SPACING INFORMATION AT THE TOP AND BOTTOM OF PIER AND AROUND ANCHOR RODS.
5. PIER DOWELS ARE TO FUNCTION AS PIER VERTICAL REINFORCING FOR PIERS LESS THAN OR EQUAL TO 5'-0" OF HEIGHT. PROVIDE SEPARATE DOWELS & VERTICALS FOR PIERS GREATER THAN OR EQUAL TO 5'-0" OF HEIGHT.
6. CONTACT SEOR FOR DIRECTION IF COLUMN ANCHOR RODS FOUL WITH PIER TIES OR VERTICALS.
7. MINIMUM HEIGHT OF PIERS: #6 VERTICALS = 2'-0", #7 VERTICALS = 2'-8". IF THIS CONTRADICTS WHAT IS SHOWN ON THE PLAN, CONTACT SEOR FOR DIRECTION.

PIER TIE DETAILS:




| PIER MARK | LENGTH | WIDTH | VERT. REINF. | TIE REINF. | TIE DETAIL |
|---|---|---|---|---|---|
| P28A | 28" | 28" | (8)-#7 | #4 @ 12" o.c. | B |
| P32A | 32" | 32" | (12)-#6 | #4 @ 12" o.c. | C |

## FOUNDATION AND SLAB PLAN NOTES

1. REFER TO S000 SERIES FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. REFER TO S400 SERIES FOR TYPICAL FOUNDATION DETAILS.
3. REFER TO S500 FOR TYPICAL MASONRY DETAILS.
4. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE OTHER DISCIPLINES' ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
5. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS, IMMEDIATELY CONTACT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
6. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 0'-0". REFER TO CIVIL DWGS FOR U.S.G.S. ELEVATION.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
8. COORDINATE EXACT SIZE & LOCATION OF ALL OPENINGS IN FOUNDATION WALLS WITH THE APPROPRIATE CONTRACTOR
9. ALL FOOTINGS SHALL BE LOWERED TO PASS BELOW UNDERGROUND UTILITIES, E.G. SANITARY, STORM, WATER, CONDUIT BANKS, ETC. THESE LINES HAVE BEEN SHOWN IN THE APPROXIMATE LOCATIONS ON THE CONTRACT DOCUMENTS AND NEED TO BE COORDINATED BT THE APPROPRIATE CONTRACTORS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL FOUNDATION STEP DETAIL. IF FOOTINGS ARE TO BE STEPPED DIFFERENTLY THAN WHAT IS SHOWN ON THESE PLANS, THEY SHOULD BE SUBMITTED TO THE ENGINEER TO REVIEW AFTER CONTRACTOR COORDINATION.
10. ALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQUIRED TO SUITABLE BEARING MATERIAL AS DETERMINED BY THE ONSITE GEOTECHNICAL TESTING AGENCY AND REFER TO THE TYPICAL OVEREXCAVATION DETAILS FOR SOILS THAT ARE UNSUITABLE.
11. COLUMN FOOTINGS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED AT THE MIDPOINT BETWEEN THE COLUMNS, UNLESS NOTED OTHERWISE ON PLAN.
12. WHERE PIERS OCCUR WITHIN A LARGER ARCHITECTURAL PLASTER OR COLUMN ENCLOSURE (E.G. P24 WITHIN 40" SQUARE CANOPY PILASTERS) PROVIDE PIER REINFORCING CAGE CENTERED ON THE GRID INTERSECTION. FORM OVERALL PIER TO PROFILE OF THE ARCHITECTURAL PLASTER OR COLUMN ENCLOSURE. LAYOUT PILASTERS FROM DIMENSIONS ON THE ARCHITECTURAL PLANS & DETAILS.
13. FOR ARCHITECTURAL PILASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS A FULLY GROUTED MASONRY PIER OR CAST-IN-PLACE CONCRETE PIER REINFORCED WITH #5 VERTICAL REINFORCING AT 12" O.C. ALL FACES, AT CONTRACTOR'S OPTION
14. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINFORCING NOTED ON PLANS & SECTIONS.
15. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
16. ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND THE FLOORING SUPPLIER.
17. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. REFER TO THE TYPICAL THICKENED SLAB DETAIL. LAY OUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECTURAL FLOOR PLANS.
18. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE. REFER TO THE TYPICAL SLAB CONTROL/CONTRACTION JOINT DETAIL AND THE SLAB-ON-GRADE SCHEDULE.
19. PLAN LEGEND:

F.F. — DENOTES FINISH FLOOR.

T/X' — DENOTES TOP OF FOUNDATION ELEMENT. (FOOTING, PIER, SLAB, ETC.)

WF30 -2'-8" — DENOTES WALL FOOTING MARK AND TOP OF FOOTING ELEVATION. REFER TO WALL FOOTING SCHEDULE.

S4 / T/SLAB = 0'-0" — DENOTES CAST-IN-PLACE CONCRETE SLAB-ON-GRADE MARK AND TOP OF SLAB ELEVATION. REFER TO SLAB-ON-GRADE SCHEDULE.

DENOTES UTILITY TO PASS OVER TOP FOOTING AND SLEEVE THROUGH PERIMETER FOUNDATION WALL. COORDINATE EXACT LOCATION WITH THE APPROPRIATE CONTRACTORS AND STEP FOOTINGS AS NEEDED.




DENOTES WALL FOOTING WITH STEPS. REFER TO TYPICAL FOOTING STEP DETAIL.

FOOTING STEP




DENOTES CONCRETE COLUMN FOOTING MARK AND TOP OF FOOTING ELEVATION. SEE COLUMN FOOTING SCHEDULE.

DENOTES CONCRETE PIER MARK AND TOP OF PIER ELEVATION. SEE PIER SCHEDULE

DENOTES STEEL COLUMN SIZE. REFER TO FRAMING PLANS FOR STUB COLUMNS NOT SHOWN ON FOUNDATIONS.

## 1 FOUNDATION PLAN KEY NOTES

| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | 8" CMU SHEAR WALL. PROVIDE REINFORCING PER SHEAR WALL ELEVATIONS. REFER TO DETAILS ON S500 FOR ADDITIONAL REINFORCING REQUIREMENTS. |




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PROFESSIONAL ENGINEER
Daniel Jack Lewis
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 2 | 07-27-2026 | ADD#03 |

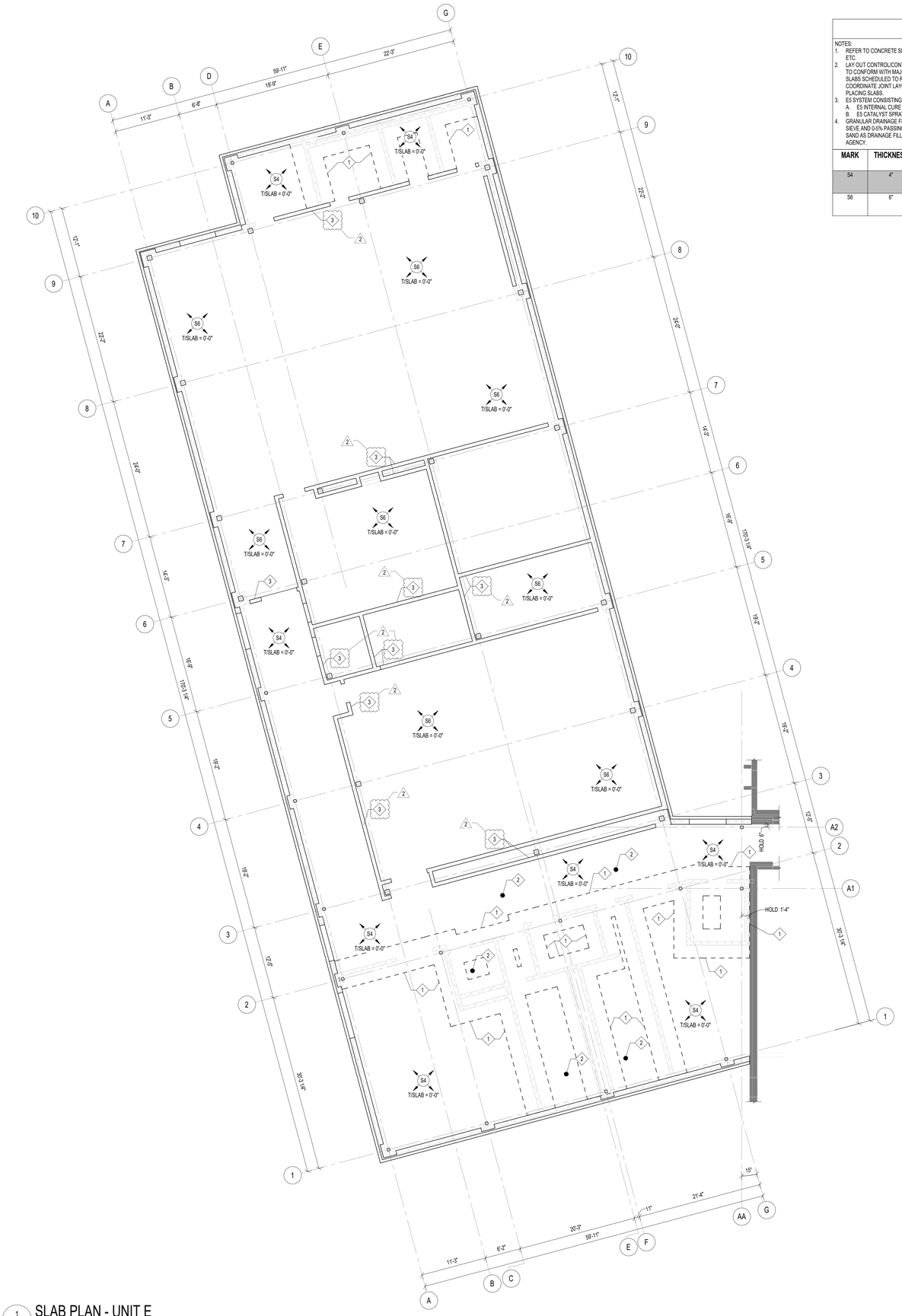
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PROJECT: #23117
DATE: 07/03/2026
DRAWN BY: JDO

FOUNDATION PLAN - UNIT E

S110E

PLOT DATE/TIME:7/27/2026 10:19:56 AM




1 S111E SLAB PLAN - UNIT E
SCALE: 1/8" = 1'-0"

## SLAB-ON-GRADE SCHEDULE

NOTES:
1. REFER TO CONCRETE SPECIFICATION FOR CONCRETE MATERIALS, PERFORMANCE REQUIREMENTS, EXECUTION, TESTING, ETC.
2. LAY OUT CONTROL/CONTRACTION JOINTS AT MAXIMUM SPACING OF 4 x THE SLAB THICKNESS (INCHES) IN FEET. LAY OUT TO CONFORM WITH MAJOR COLUMN LINES, HALF-COLUMN LINES, RE-ENTRANT CORNERS FORMED BY WALLS, ETC. FOR SLABS SCHEDULED TO RECEIVE TERRAZZO, TILE, VINYL-COMPOSITION TILE, VINYL SHEET GOODS, EPOXY, ETC. COORDINATE JOINT LAYOUT WITH THE FINISH FLOOR CONTRACTOR. SUBMIT PROPOSED JOINT PLAN FOR REVIEW PRIOR TO PLACING SLABS.
3. E6 SYSTEM CONSISTING OF:
   A. E6 INTERNAL CURE @ 40Z/CWT
   B. E6 CATALYST SPRAYED ON SLAB-ON-GRADE BETWEEN 800-1,500 SF/GAL.
4. GRANULAR DRAINAGE FILL TO BE NARROWLY-GRADE, CRUSHED STONE COARSE AGGREGATE W/ 100% PASSING A 1½" SIEVE AND 0-5% PASSING A NO. 8 SIEVE. SUBMIT PROPOSED DRAINAGE FILL FOR REVIEW. USE OF PEA GRAVEL AND/OR SAND AS DRAINAGE FILL IS PROHIBITED UNLESS APPROVED IN WRITING BY THE STRUCTURAL AND GEOTECHNICAL TESTING AGENCY.

| MARK | THICKNESS | REINF. | VAPOR BARRIER | SUBBASE | NOTES |
|---|---|---|---|---|---|
| S4 | 4" | FIBERFORCE 300 @ 1.5 LBS/CY | 15 MIL CLASS A | MINIMUM 6" COMPACTED GRANULAR FILL (INDOT 53) OVER 15 MIL VAPOR BARRIER | ADDITIONAL ADMIXTURE PER NOTE 3 |
| S6 | 6" | FIBERFORCE 300 @ 1.5 LBS/CY | 15 MIL CLASS A | MINIMUM 6" COMPACTED GRANULAR FILL (INDOT 53) OVER 15 MIL VAPOR BARRIER | ADDITIONAL ADMIXTURE PER NOTE 3 |

## FOUNDATION AND SLAB PLAN NOTES

1. REFER TO S000 SERIES FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. REFER TO S400 SERIES FOR TYPICAL FOUNDATION DETAILS.
3. REFER TO S500 FOR TYPICAL MASONRY DETAILS.
4. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE OTHER DISCIPLINES' ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
5. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS, IMMEDIATELY CONTACT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
6. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 0'-0". REFER TO CIVIL DWGS FOR U.S.G.S. ELEVATION.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
8. COORDINATE EXACT SIZE & LOCATION OF ALL OPENINGS IN FOUNDATION WALLS WITH THE APPROPRIATE CONTRACTOR
9. ALL FOOTINGS SHALL BE LOWERED TO PASS BELOW UNDERGROUND UTILITIES, E.G. SANITARY, STORM, WATER, CONDUIT BANKS, ETC. THESE LINES HAVE BEEN SHOWN IN THE APPROXIMATE LOCATIONS ON THE CONTRACT DOCUMENTS AND NEED TO BE COORDINATED BT THE APPROPRIATE CONTRACTORS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL FOUNDATION STEP DETAIL. IF FOOTINGS ARE TO BE STEPPED DIFFERENTLY THAN WHAT IS SHOWN ON THESE PLANS, THEY SHOULD BE SUBMITTED TO THE ENGINEER TO REVIEW AFTER CONTRACTOR COORDINATION.
10. ALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQUIRED TO SUITABLE BEARING MATERIAL AS DETERMINED BY THE ONSITE GEOTECHNICAL TESTING AGENCY AND REFER TO THE TYPICAL OVEREXCAVATION DETAILS FOR SOILS THAT ARE UNSUITABLE.
11. COLUMN FOOTINGS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED AT THE MIDPOINT BETWEEN THE COLUMNS, UNLESS NOTED OTHERWISE ON PLAN.
12. WHERE PIERS OCCUR WITHIN A LARGER ARCHITECTURAL PILASTER OR COLUMN ENCLOSURE (E.G. P24 WITHIN 40" SQUARE CANOPY PILASTERS) PROVIDE PIER REINFORCING CAGE CENTERED ON THE GRID INTERSECTION. FORM OVERALL PIER TO PROFILE OF THE ARCHITECTURAL PILASTER OR COLUMN ENCLOSURE. LAYOUT PILASTERS FROM DIMENSIONS ON THE ARCHITECTURAL PLANS & DETAILS.
13. FOR ARCHITECTURAL PILASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS A FULLY GROUTED MASONRY PIER OR CAST-IN-PLACE CONCRETE PIER REINFORCED WITH #5 VERTICAL REINFORCING AT 12" O.C. ALL FACES, AT CONTRACTOR'S OPTION
14. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINFORCING NOTED ON PLANS & SECTIONS.
15. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
16. ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND THE FLOORING SUPPLIER.
17. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. REFER TO THE TYPICAL THICKENED SLAB DETAIL. LAY OUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECTURAL FLOOR PLANS.
18. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE. REFER TO THE TYPICAL SLAB CONTROL/CONTRACTION JOINT DETAIL AND THE SLAB-ON-GRADE SCHEDULE.
19. PLAN LEGEND:

F.F. — DENOTES FINISH FLOOR.

T/'X' — DENOTES TOP OF FOUNDATION ELEMENT. (FOOTING, PIER, SLAB, ETC.)

WF30 -2'-8" — DENOTES WALL FOOTING MARK AND TOP OF FOOTING ELEVATION. REFER TO WALL FOOTING SCHEDULE.

S4 T/SLAB = 0'-0" — DENOTES CAST-IN-PLACE CONCRETE SLAB-ON-GRADE MARK AND TOP OF SLAB ELEVATION. REFER TO SLAB-ON-GRADE SCHEDULE.

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DENOTES WALL FOOTING WITH STEPS. REFER TO TYPICAL FOOTING STEP DETAIL.



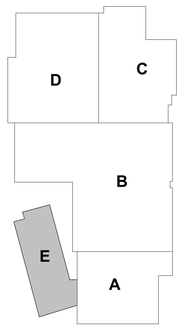

DENOTES CONCRETE COLUMN FOOTING MARK AND TOP OF FOOTING ELEVATION. SEE COLUMN FOOTING SCHEDULE.

DENOTES CONCRETE PIER MARK AND TOP OF PIER ELEVATION. SEE PIER SCHEDULE.

DENOTES STEEL COLUMN SIZE. REFER TO FRAMING PLANS FOR STUB COLUMNS NOT SHOWN ON FOUNDATIONS.

## SLAB PLAN KEY NOTES

| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | APPROX. LOCATION OF NEW THICKENED CONCRETE SLAB. NOT ALL NEW CMU PARTITION WALLS AND THICKENED SLABS MAY BE SHOWN ON PLANS. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL WALL LOCATIONS. |
| 2 | FLOOR/TRENCH DRAIN - COORD. FINAL LOCATION w/ ARCH. AND MEP DRAWINGS. REF. S400 FOR TYP. DETAIL |
| 3 | CMU WALL BEARING ON WALL FOOTING BELOW. SEE FOUNDATION PLAN. |




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PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 2 | 07-21-2026 | ADD#03 |

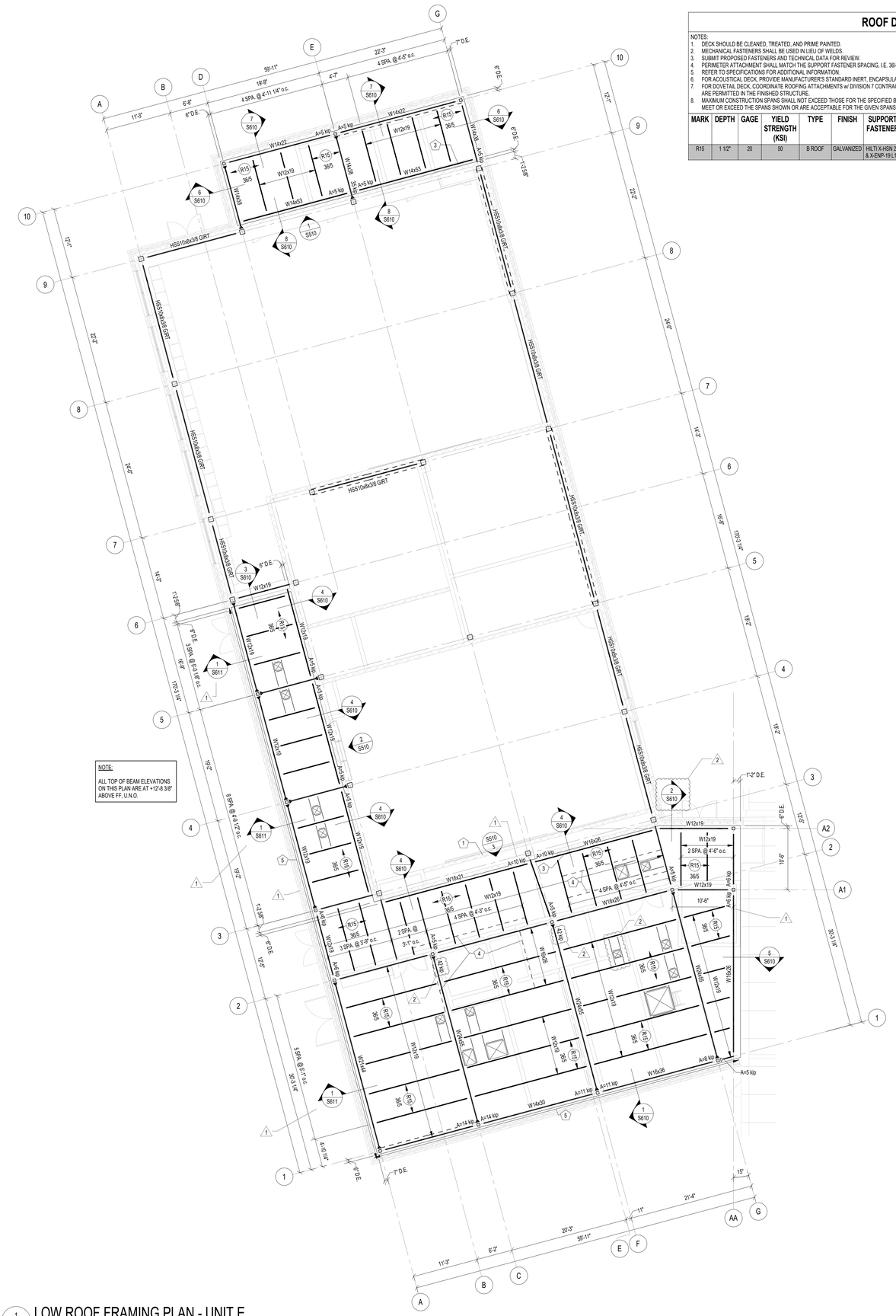
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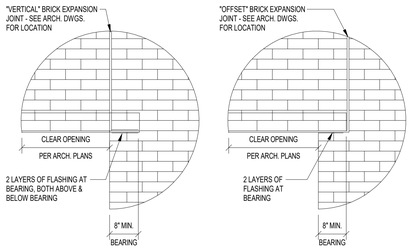
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|---|
| PROJECT: #23117 |
| DATE: 07/03/2026 |
| DRAWN BY: JDO |

SLAB PLAN - UNIT E

S111E

PLOT DATE/TIME: 7/7/2026 10:19:10 AM


HSS10x8x3/8 GIRT
W14x22
W12x19
W14x53
W16x31
W16x26
W16x40
W14x30
W14x43
W12x14
W14x68
W16x45
W16x36
W16x50
W14x74
W16x89
W16x67
W16x57
W16x100
W14x61
W16x77
W16x45
W16x50
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W14x53



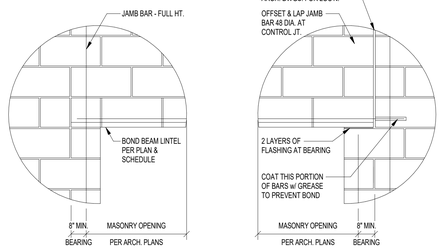

AT "VERTICAL" BRICK EXPANSION JOINT

AT "OFFSET" BRICK EXPANSION JOINT

NOTE:
1. LIMESTONE LINTELS ARE SIMILAR.

## 16 S500 LINTEL BEARING DETAILS

SCALE: N.T.S.

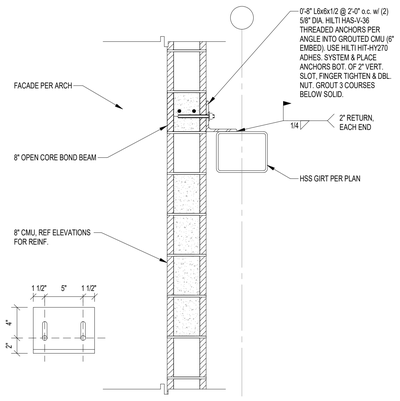



NOT AT CONTROL JOINT

AT CONTROL JOINT

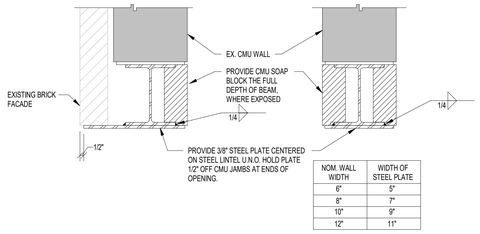
## 15 S500 BOND BEAM BEARING DETAILS

SCALE: N.T.S.




## 14 S500 TYP. HSS GIRT TO CMU CONNECTION

SCALE: 1" = 1'-0"




| NOM. WALL WIDTH | WIDTH OF STEEL PLATE |
|---|---|
| 6" | 5" |
| 8" | 7" |
| 10" | 9" |
| 12" | 11" |

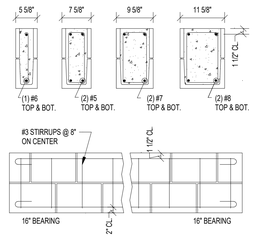
EXTERIOR LINTEL

INTERIOR LINTEL

NOTE:
APPROX. B/LINTEL ELEVATION ON PLAN REPRESENTS BOTTOM OF STEEL PLATE. COORDINATE ELEVATION WITH ARCH/MEP DWGS.

## 13 S500 TYPICAL STEEL LINTEL IN EXISTING WALL

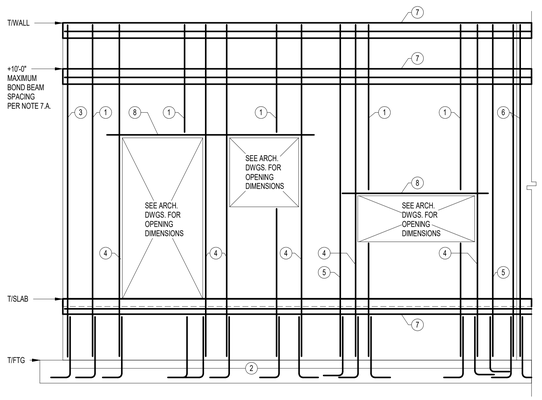
SCALE: 1 1/2" = 1'-0"




CMU LINTEL NOTES:
1. FILL IS 2,500 PSI (MINIMUM) GROUT.
2. ALL REBARS ARE HOOKED AT THE ENDS.
3. FOR TYPE OF CMU SEE THE SPECS.
4. LINTELS SHALL BEAR ON SOLIDLY GROUTED CMU.
5. THIS SCHEDULE DOES NOT APPLY TO LOAD BEARING WALLS, UNLESS NOTED OTHERWISE.
6. BOND PATTERN OF LINTEL TO BE RUNNING BOND, U.N.O.
7. BOTTOM OF LINTEL SHALL BE SMOOTH MASONRY WITH NO CORES EXPOSED.
8. CONTRACTOR TO PROVIDE TEMPORARY SHORING UNTIL MASONRY HAS PROPERLY SET (3 DAY MINIMUM)

## 12 S500 LONG CMU LINTEL DETAILS

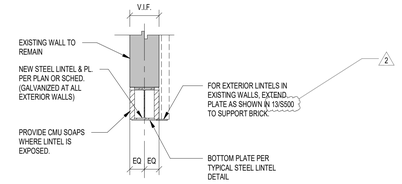
SCALE: N.T.S.



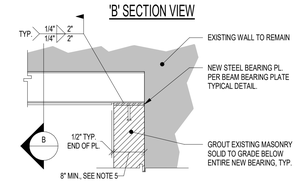

NOTES:
1. PROVIDE VERTICAL REINFORCING PER FRAMING NOTES, SECTIONS OR SCHEDULES. WHERE NOT INDICATED, PROVIDE #5 @ 32" o.c. FOR ALL EXTERIOR WALLS AND #5 @ 48" o.c. FOR INTERIOR WALLS.
2. PROVIDE DOWELS TO MATCH VERTICALS w/ TYPICAL LAP SPLICE.
3. PROVIDE ADD'L VERTICAL BARS IN CELLS THAT FORM CORNERS, INTERSECTIONS WITH OTHER WALLS AND ENDS OF WALLS.
4. PROVIDE ADD'L FULL HEIGHT VERTICAL JAMB BARS ON EITHER SIDE OF OPENINGS, TYP.
5. FOR OPENINGS THAT INTERRUPT REGULARLY SPACED VERTICAL BARS, PROVIDE ONE ADDITIONAL BAR AT 8" o.c. ADJACENT TO EACH JAMB FOR EVERY 2 BARS INTERRUPTED BY THE OPENING.
6. PROVIDE ADD'L VERTICAL BARS ON EITHER SIDE OF CONTROL JOINT. SEE ARCHITECTURAL DWGS. FOR CONTROL JOINT LAYOUT.
7. PROVIDE CONTINUOUS BOND BEAMS AT TOPS OF WALLS, CHANGE OF CMU THICKNESS, AND AT SLAB LEVEL.
   A. PROVIDE ADDITIONAL CONTINUOUS BOND BEAMS ANYWHERE WHERE THE VERTICAL SPAN BETWEEN BOND BEAMS IS GREATER THAN 10'-0".
   B. ALL MASONRY BOND BEAMS OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, U.N.O.
8. PROVIDE CMU LINTELS PER TYPICAL DETAILS, U.N.O.
   A. WHERE MULTIPLE SAME-HEIGHT OPENINGS WITH LESS THAN 2'-8" OF MASONRY INBETWEEN, PROVIDE A CONTINUOUS LINTEL.
9. HORIZONTAL REINFORCING @ 16" o.c. VERTICALLY, U.N.O. REFER TO SPECIFICATIONS FOR HORIZONTAL REINFORCING INFORMATION.
10. MEP OPENINGS SHALL BE LOCATED NOT TO INTERRUPT REINFORCING. IF REINFORCING IS INTERRUPTED, CONTRACTOR SHALL ADD REINFORCING AT EDGES OF OPENING EQUAL TO SIZE OF INTERRUPTED REINFORCING. PROVIDE CAST-IN-PLACE OR POST INSTALLED DOWELS AT THESE LOCATIONS. NOTE 5 ALSO APPLIES TO MEP OPENINGS.

## 11 S500 TYPICAL CMU WALL REINFORCING

SCALE: N.T.S.




'B' SECTION VIEW

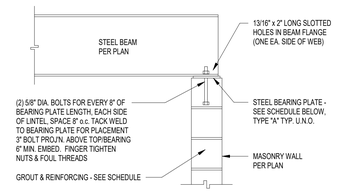



'A' ELEVATION VIEW

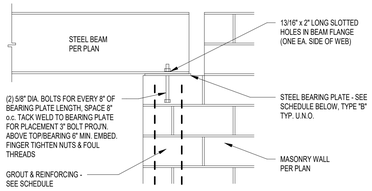
NOTES:
1. THIS DETAIL APPLIES TO ALL NEW OPENINGS REQUIRED IN EXISTING MASONRY WALLS FOR NEW OPENINGS, UNLESS NOTED OTHERWISE:
   A. OPENINGS ≥ 8'-8" BUT ≤ 6'-0", USE W9x24 LINTELS.
   B. CONTACT EOR FOR OPENINGS IN EXISTING MASONRY LARGER THAN 6'-0" WHERE A LINTEL SIZE IS NOT SHOWN.
2. MULTIPLE SMALL, CLOSE TOGETHER OPENINGS SHALL BE TREATED AS ONE LARGE OPENING.
3. NEW STEEL LINTEL SHALL NOT BEAR ON BRICK OR MULTI-WYTHE BRICK OR CMU, WHERE BRICK OR MULTI-WYTHE BRICK OR CMU IS PRESENT AROUND NEW OPENING, DEMO AS NEEDED AND PROVIDE NEW CMU.
4. FIELD VERIFY ALL EXISTING WALL WIDTHS PRIOR TO SUBMITTING SHOP DRAWINGS.
5. SEE BEAM BEARING PLATE DETAIL'S SCHEDULE AND NOTES ON S500 FOR LINTEL BEARING AND BEARING PLATE INFORMATION.
6. ALL LINTELS TO HAVE A MINIMUM 8" BEARING AT EACH END. WHERE OPENING SIZE EXCEED 8'-0", PROVIDE 1" OF BEARING PER 1'-0" OF OPENING. i.e. FOR A 10'-0" WIDE OPENING, PROVIDE 10" MINIMUM BEARING ON EACH SIDE OF OPENING.
7. ALL LINTELS AND PLATES LOCATED IN EXTERIOR WALLS ARE TO BE HOT-DIP GALVANIZED.

## 10 S500 NEW LINTEL IN EXISTING WALL

SCALE: N.T.S.




BEAM PERPENDICULAR TO WALL



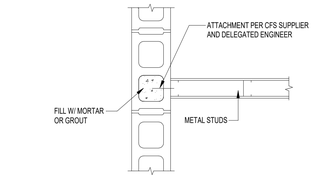

BEAM PARALLEL TO WALL

| BEARING PLATE SCHEDULE | | | |
|---|---|---|---|
| MARK | BEARING PLATE SIZE | GROUT REQUIREMENTS | REINFORCING |
| A | 3/4" x WIDTH[1] x LENGTH[2] | MIN. 3 COURSES DEEP x 24" LONG | NONE UNLESS LOCATED AT DISCONTIN. END OF WALL (IF SO, PROVIDE (2) FULL-HEIGHT VERTS. & EXTEND GROUT TO FTG.) |
| B | 1/2" x WIDTH[1] x LENGTH[2] | GROUT SOLID TO FTG x 24" LONG | (2) VERTICALS FULL HEIGHT OF WALL. SEE PLANS & DETAILS FOR SIZE. |

NOTES:
1. BEARING PLATE WIDTH TO BE CMU WALL WIDTH -1".
2. ALL LINTELS TO HAVE A MINIMUM 8" BEARING AT EACH END. BEARING PLATE LENGTH TO MATCH REQUIRED LINTEL BEARING. WHERE OPENING SIZE EXCEED 8'-0", PROVIDE 1" OF BEARING PER EVERY FOOT OF OPENING .
3. LUBRICATE BETWEEN BOTTOM OF BEAM & SURFACE OF BEARING PLATE WITH DRY-FILM LUBRICANT.
4. ALL LINTELS AND PLATES LOCATED IN EXTERIOR WALLS ARE TO BE HOT-DIP GALVANIZED.
5. FOR HSS LINTELS, PROVIDE BOLT WELDED TO BOTTOM OF EMBED PLATE. WELD HSS LINTEL TO BEARING PLATE USING FULL LENGTH FLARE BEVEL WELDS.

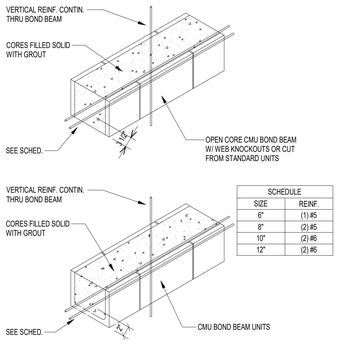
## 9 S500 BEAM BEARING PLATE DETAILS

SCALE: N.T.S.




## 8 S500 CMU WALL - STEEL STUD WALL

SCALE: N.T.S.

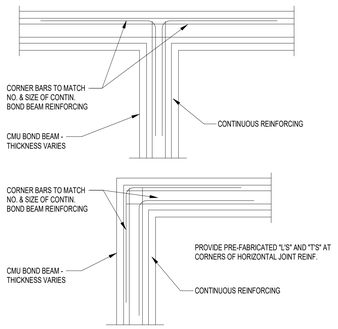



| SCHEDULE | |
|---|---|
| SIZE | REINF. |
| 6" | (1) #5 |
| 8" | (2) #5 |
| 10" | (2) #6 |
| 12" | (2) #6 |

NOTE:
1. USE OPEN CORE BOND BEAMS. TYPICAL EXCEPT FOR LINTELS & OTHER CONDITIONS WHERE BOTTOM OF UNITS WILL BE EXPOSED

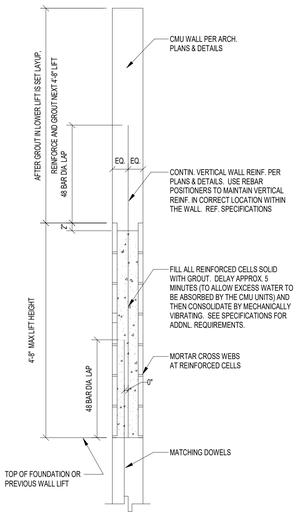
## 7 S500 CMU BOND BEAM DETAILS

SCALE: N.T.S.




## 6 S500 BOND BEAM INTERSECTION DETAILS

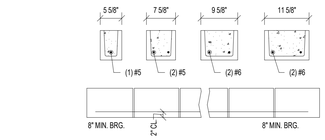
SCALE: N.T.S.




NOTE:
1. HORIZ. JOINT REINFORCING NOT SHOWN FOR CLARITY

## 5 S500 LOW-LIFT WALL CONSTRUCTION

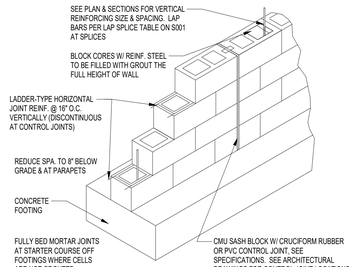
SCALE: N.T.S.




CMU LINTEL NOTES:
1. FILL IS 2,500 PSI (MINIMUM) GROUT.
2. PROVIDE 1" BRG. PER FOOT OF SPAN WITH 8" MIN.
3. LINTELS SHALL BEAR ON SOLIDLY GROUTED CMU
4. THIS SCHEDULE DOES NOT APPLY TO LOAD BEARING WALLS, UNLESS NOTED OTHERWISE.
5. BOND PATTERN OF LINTEL TO BE RUNNING BOND, U.N.O.
6. BOTTOM OF LINTEL SHALL BE SMOOTH MASONRY WITH NO CORES EXPOSED.
7. CONTRACTOR TO PROVIDE TEMPORARY SHORING UNTIL MASONRY HAS PROPERLY SET (3 DAY MINIMUM).
8. PRECAST LINTELS MAY NOT BE SUBSTITUTED FOR BOND BEAM LINTELS WHERE EXPOSED IN THE FINISHED STRUCTURE.

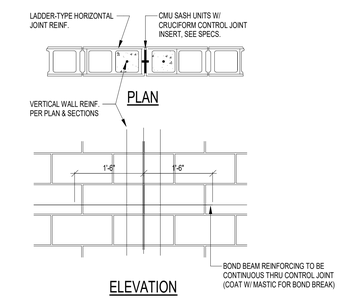
## 4 S500 TYPICAL CMU LINTEL DETAILS

SCALE: N.T.S.




## 3 S500 REINFORCED MASONRY DETAIL

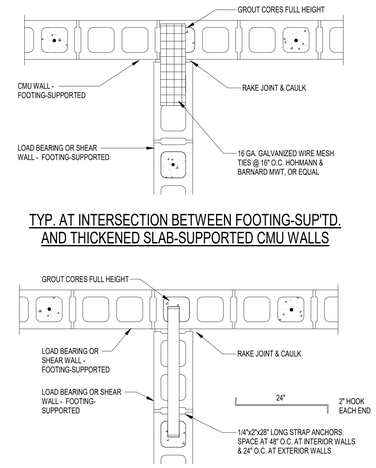
SCALE: N.T.S.




NOTE:
1. BOND BEAM REINFORCEMENT SHALL NOT BE LAPPED WITHIN 8'-0" OF CONTROL JOINT.
2. HORIZ. JOINT REINFORCEMENT TO BE DISCONTINUOUS AT CONTROL JOINTS.

## 2 S500 CMU CONTROL JOINT DETAIL

SCALE: N.T.S.




## 1 S500 WALL INTERSECTION DETAILS

SCALE: N.T.S.


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851 W. EDGEWOOD DR., ELLETTSVILLE, IN 47429

DANIEL JACK LEVINS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Levins
JULY 03, 2026

| REVISIONS: | # | Date | Desc. |
|---|---|---|---|
| | 2 | 07-27-2026 | ADD#3 |

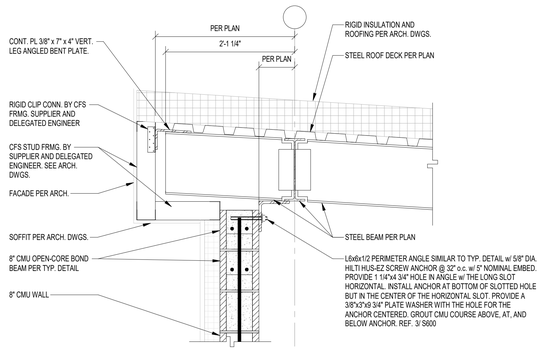
100% CONSTRUCTION DOCUMENTS

PROJECT: #23117
DATE: 07/03/2026
DRAWN BY: JDO

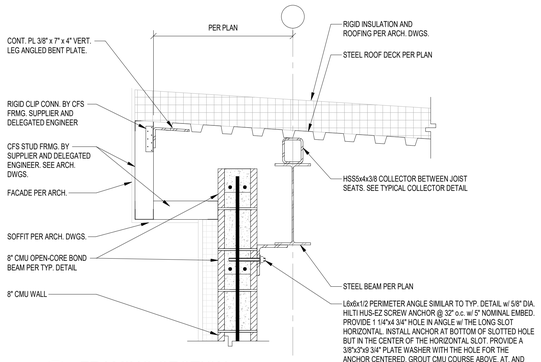
TYPICAL MASONRY DETAILS

S500

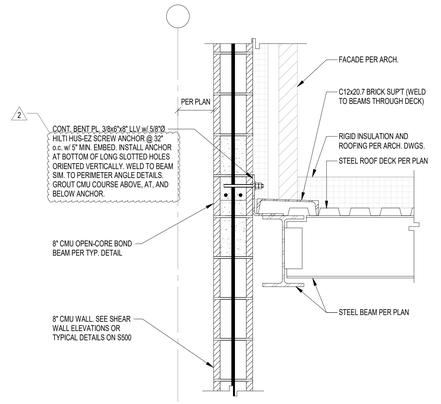
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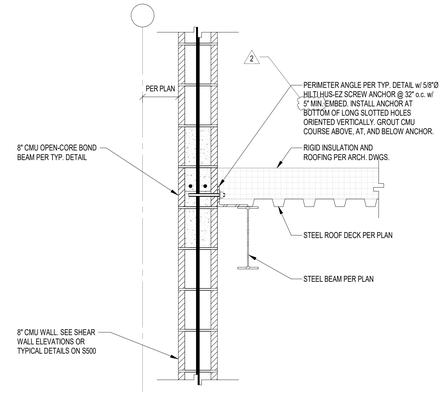

16 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



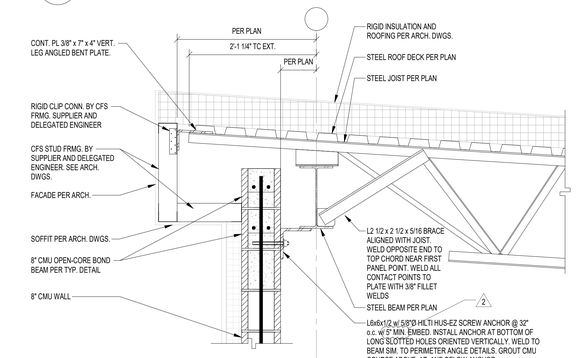

12 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



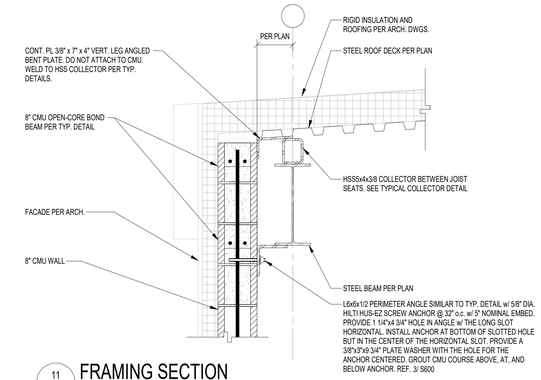

8 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



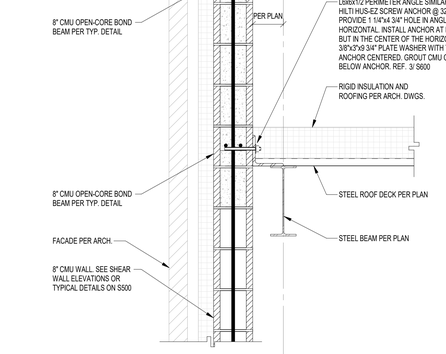

4 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



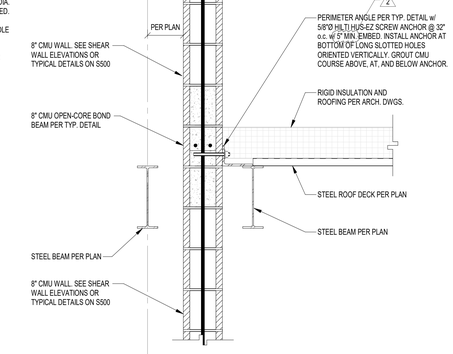

15 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



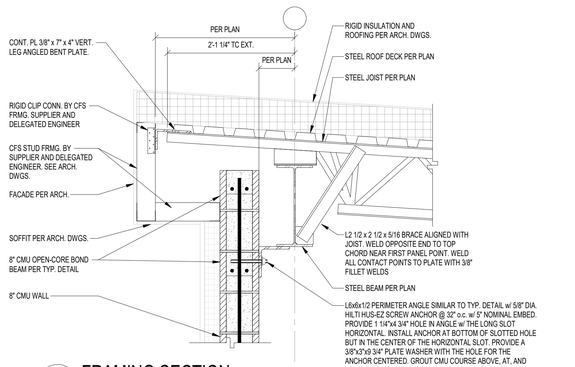

11 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



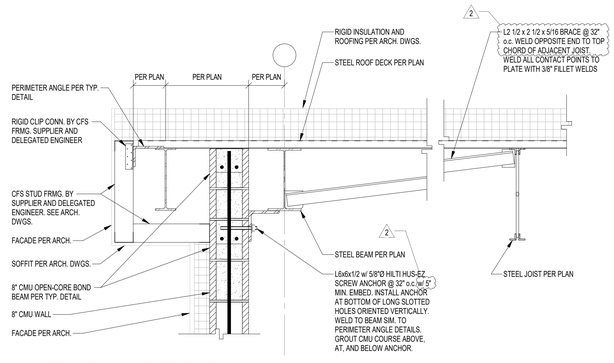

7 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



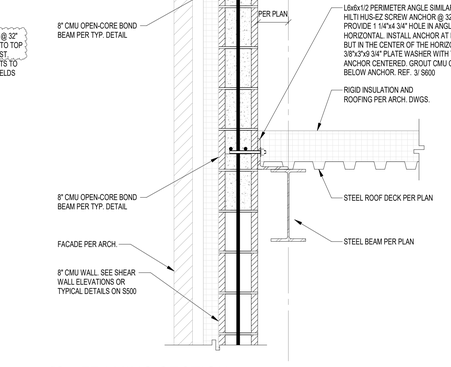

3 S610 FRAMING SECTION
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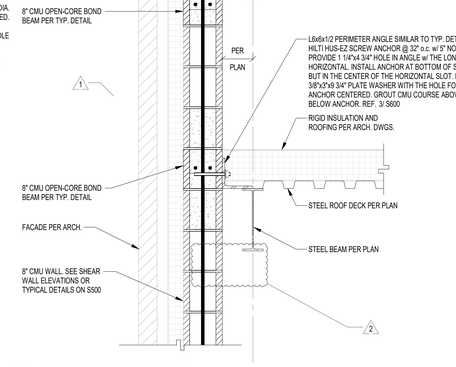

14 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



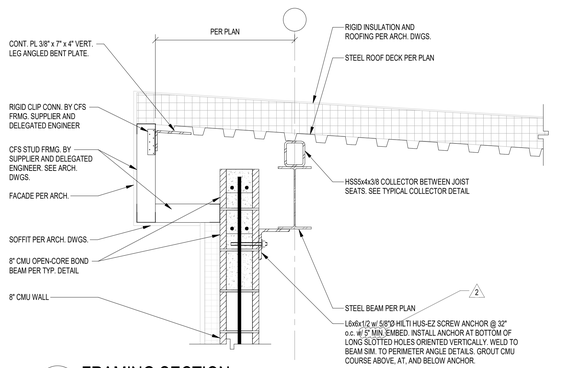

10 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



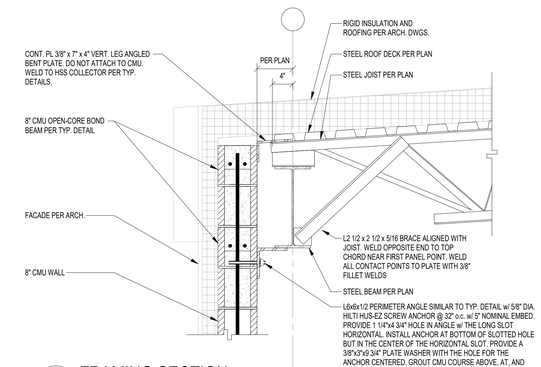

6 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



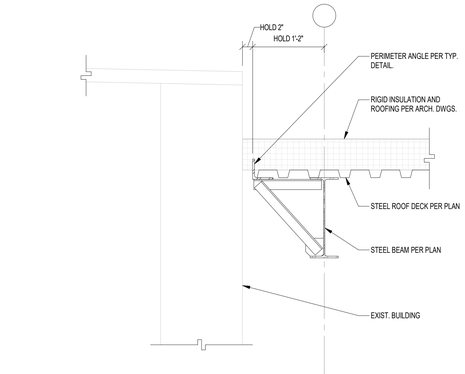

2 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



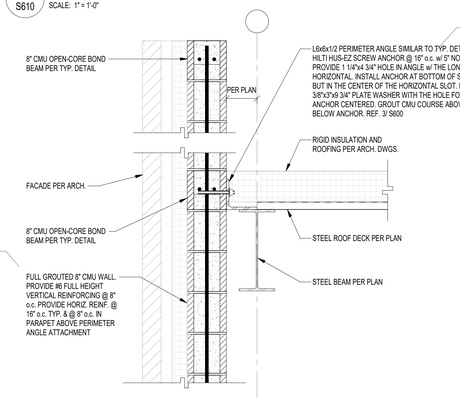

13 S610 FRAMING SECTION
SCALE: 1" = 1'-0"




9 S610 FRAMING SECTION
SCALE: 1" = 1'-0"




5 S610 FRAMING SECTION
SCALE: 1" = 1'-0"




1 S610 FRAMING SECTION
SCALE: 1" = 1'-0"

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REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-23-2026 | ADD #W2 |
| 2 | 07-27-2026 | ADD #W3 |

DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

100% CONSTRUCTION DOCUMENTS

| | |
|---|---|
| PROJECT: | #23117 |
| DATE: | 07/03/2026 |
| DRAWN BY: | JDO |

FRAMING SECTIONS

S610

PLOT DATE/TIME:7/27/2026 10:15:15 AM

## GENERAL LIGHTING NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.

C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.

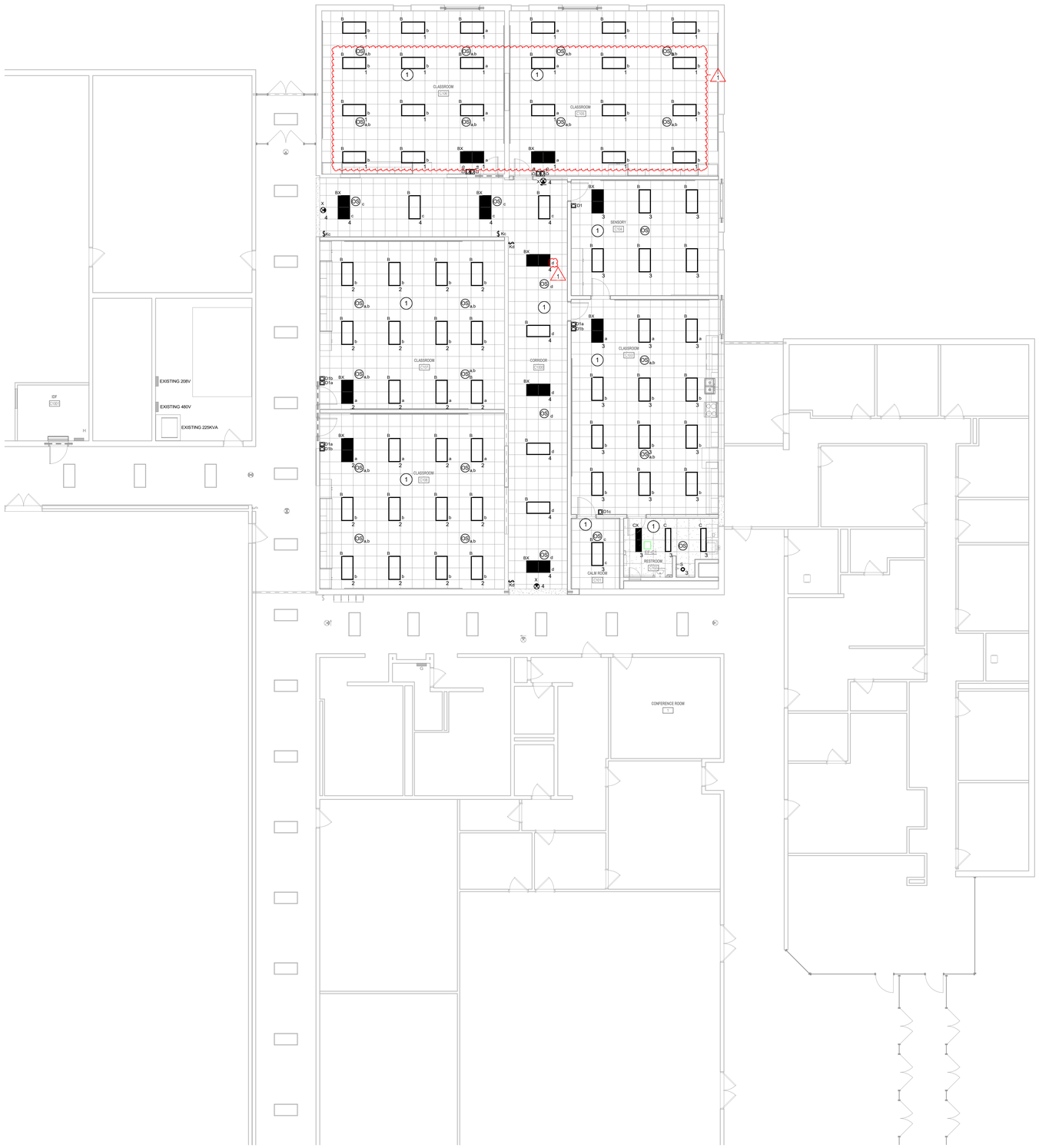
D LIGHTING CIRCUITS ON SHEETS EL102 AND EL201 ORIGINATE FROM PANELBOARD PP.

E NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

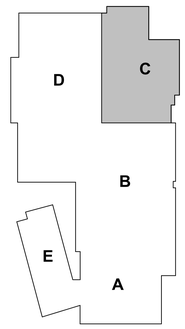
## ◯ LIGHTING PLAN NOTES

1 REUSE EXISTING LIGHTING CIRCUITS THAT SERVED THIS AREA. CIRCUIT GROUPS ARE INDICATED BY NUMBER LISTED ADJACENT LIGHT FIXTURE.

2 CONTROL LIGHT FIXTURE WITH EXISTING EXTERIOR LIGHTING CONTROL SYSTEM.




1 ELECTRICAL LIGHTING FIRST FLOOR PLAN - UNIT C
1/8" = 1'-0"




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DAVID L. JONES III
REGISTERED
NO.
PE12100175
STATE OF
MARYLAND
PROFESSIONAL ENGINEER

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07.27.2026 | ADDENDUM #3 |

100% CONSTRUCTION DOCUMENTS

| |
|---|
| PROJECT: #26102 |
| DATE: 07-03-2026 |
| DRAWN BY: BJW |

ELECTRICAL LIGHTING FIRST FLOOR PLAN - UNIT C

EL101

PLOT DATE/TIME: 7/22/2026 10:02:42 AM

## GENERAL LIGHTING NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.

C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.

D LIGHTING CIRCUITS ON SHEETS EL102 AND EL201 ORIGINATE FROM PANELBOARD PP.

E NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

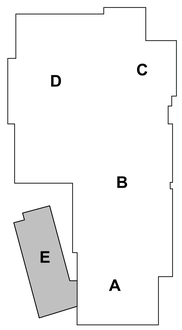
## ◯ LIGHTING PLAN NOTES

1 REUSE EXISTING LIGHTING CIRCUITS THAT SERVED THIS AREA. CIRCUIT GROUPS ARE INDICATED BY NUMBER LISTED ADJACENT LIGHT FIXTURE.

2 CONTROL LIGHT FIXTURE WITH EXISTING EXTERIOR LIGHTING CONTROL SYSTEM.




1 **ELECTRICAL LIGHTING FIRST FLOOR PLAN - UNIT E**
1/8" = 1'-0"




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DAVID L. JONES III
REGISTERED
NO. PE12100175
STATE OF INDIANA
PROFESSIONAL ENGINEER

| REVISIONS: | | |
|---|---|---|
| # | Date | Desc. |
| 1 | 07.27.2026 | ADDENDUM #3 |

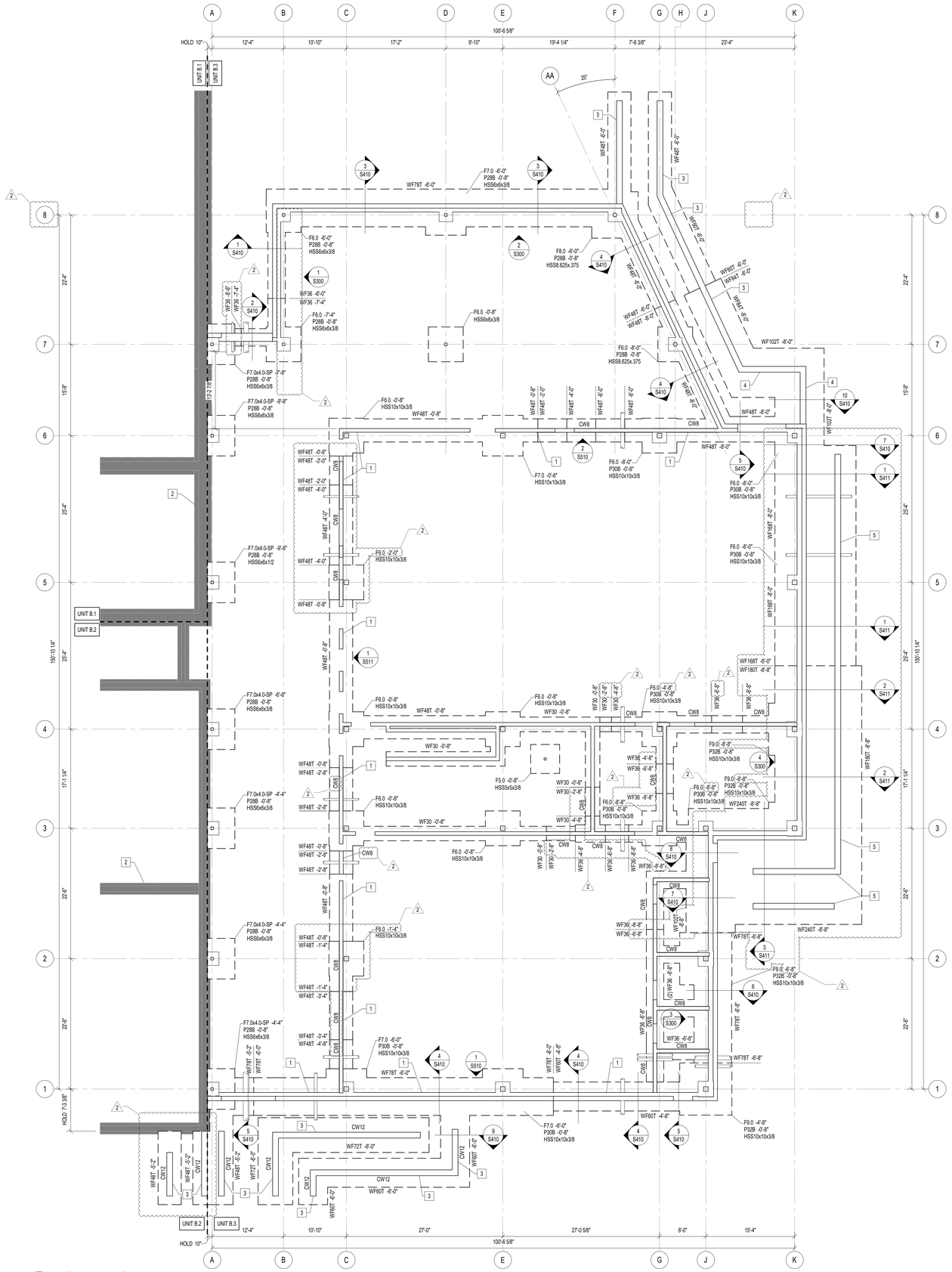
**100% CONSTRUCTION DOCUMENTS**

| |
|---|
| PROJECT: #26102 |
| DATE: 07-03-2026 |
| DRAWN BY: BJW |

ELECTICAL LIGHTING FIRST FLOOR PLAN - UNIT E

EL102

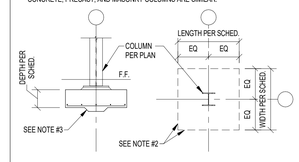
PLOT DATE/TIME: 7/22/2026 3:17:05 PM




2 FOUNDATION PLAN - UNIT B.3
S100B.3 SCALE: 1/8" = 1'-0"

## COLUMN FOOTING SCHEDULE

NOTES:
1. CENTER FOOTINGS BENEATH COLUMNS, U.N.O. ON PLAN.
2. FOOTINGS MAY BE CAST DIRECTLY AGAINST SOIL WITHOUT FORMING. WHERE SOIL CONDITIONS PERMIT. THE ON-SITE GEOTECHNICAL TESTING AGENCY SHALL CONFIRM THAT SOIL CONDITIONS ARE ACCEPTABLE. IF FOOTINGS ARE BANK POURED, THE FOOTING LENGTH AND WIDTH SHALL BE INCREASED BY 2" ON EACH SIDE. FOR EXAMPLE, A 5'-0"x5'-0" FOOTING SHALL BE 5'-4"x5'-4". THE REINFORCING IN THE SCHEDULE DOES NOT NEED TO INCREASE BY THIS AMOUNT. FORM TOP OF FOOTINGS WHERE SOIL HAS SLOUGHED SIGNIFICANTLY. OTHERWISE FOOTINGS SHALL BE BOARD FORMED.
3. INCREASE FOOTING DEPTH WHERE REQUIRED TO ENCASE COLUMN ANCHOR RODS. THIS SHALL BE LOCALLY AT THE ANCHOR RODS AND NOT FOR THE ENTIRE FOOTPRINT OF THE FOOTING.
4. WIDE FLANGE STEEL COLUMN IS SHOWN BELOW. OTHER COLUMNS, I.E. HSS, CONCRETE, PRECAST, AND MASONRY COLUMNS ARE SIMILAR.




| FTG. MARK | LENGTH | WIDTH | THICK | REINF. EACH WAY |
|---|---|---|---|---|
| F5.0 | 5'-0" | 5'-0" | 1'-2" | (5) #5 x 5'-0" |
| F6.0 | 6'-0" | 6'-0" | 1'-2" | (7) #5 x 5'-6" TOP AND BOTTOM w/ 180 DEG HOOKS |
| F7.0 | 7'-0" | 7'-0" | 1'-4" | (8) #6 x 6'-6" TOP AND BOTTOM w/ 180 DEG HOOKS |
| F7.0x4.0-SP | 7'-0" | 4'-8" | 2'-0" | (4) #5 x 6'-6" & (7) #5 x 5'-1" MIN TOP & BOTTOM |
| F8.0 | 8'-0" | 8'-0" | 1'-6" | (9) #6 x 7'-4"TOP AND BOTTOM w/ 180 DEG HOOKS |
| F9.0 | 9'-0" | 9'-0" | 1'-8" | (10) #7 x 8'-6" TOP AND BOTTOM w/ 180 DEG HOOKS |

## WALL FOOTING SCHEDULE

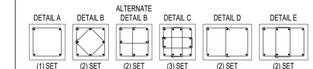
NOTES:
1. CENTER FOOTINGS BENEATH WALLS, U.N.O.
2. RETAINING WALL FOOTING, DENOTED WITH THE PREFIX RWF, WILL SHOW THE HEEL DIMENSION OF THE FOOTING ON PLAN OR ON SECTION.
3. FOOTINGS MAY BE CAST DIRECTLY AGAINST SOIL WITHOUT FORMING. WHERE SOIL CONDITIONS PERMIT. THE ON-SITE GEOTECHNICAL TESTING AGENCY SHALL CONFIRM THAT SOIL CONDITIONS ARE ACCEPTABLE. IF FOOTINGS ARE BANK POURED, THE FOOTING WIDTH SHALL BE INCREASED BY 2" ON EACH SIDE. FOR EXAMPLE, A 30" WIDE FOOTING SHALL BE 34". THE REINFORCING IN THE SCHEDULE DOES NOT NEED TO INCREASE BY THIS AMOUNT. FORM TOP OF FOOTINGS WHERE SOIL HAS SLOUGHED SIGNIFICANTLY. OTHERWISE FOOTINGS SHALL BE BOARD FORMED.
4. FOR FOOTING MARKS THAT END WITH A "T", PROVIDE REINFORCING IN SCHEDULE TO TOP AND BOTTOM OF FOOTING.
5. ALL WALLS MUST BE BACKFILLED EVENLY ON BOTH SIDES FULL HEIGHT. WHERE WALLS ARE RETAINING, BACKFILL BOTH SIDES EVENLY UP TO FINAL GRADE OF THE LOW SIDE BEFORE BACKFILLING RETAINING SIDE FULL HEIGHT.

| FTG. MARK | WIDTH | THICK | CONT. REINF. | TRANS. REINF. |
|---|---|---|---|---|
| WF30 | 2'-6" | 1'-2" | (3) - #5 | #4 x 2'-0" @ 96" o.c. |
| WF36 | 3'-0" | 1'-2" | (3) - #5 | #4 x 2'-0" @ 96" o.c. |
| WF48T | 4'-0" | 1'-2" | (4) - #5 | #5 x 3'-6" @ 9" o.c. |
| WF60T | 5'-0" | 1'-2" | (5) - #6 | #6 x 4'-6" @ 12" o.c. |
| WF72T | 6'-0" | 1'-2" | (7) - #6 | #6 x 5'-6" @ 12" o.c. |
| WF78T | 6'-6" | 1'-2" | (7) - #6 | #6 x 6'-0" @ 12" o.c. |
| WF84T | 7'-0" | 1'-2" | (8) - #6 | #6 x 6'-6" @ 12" o.c. |
| WF102T | 8'-6" | 1'-2" | (9) - #6 | #6 x 8'-0" @ 12" o.c. |
| WF168T | 14'-0" | 1'-2" | (15) - #6 | #6 x 13'-6" @ 12" o.c. |
| WF180T | 15'-0" | 1'-2" | (16) - #6 | #6 x 14'-6" @ 12" o.c. |
| WF240T | 20'-0" | 1'-2" | (21) - #6 | #6 x 19'-6" @ 12" o.c. |

## PIER SCHEDULE

NOTES:
1. PROVIDE MINIMUM. 1-1/2" CLEAR TO PIER TIES.
2. REFER TO FOUNDATION PLAN(S) FOR TOP OF PIER & TOP OF FOOTING ELEVATIONS.
3. TYPICAL TIE SPACING, UNLESS NOTED OTHERWISE.
4. REFER TO CONCRETE PIER REINFORCING TYPICAL DETAIL FOR TIE SPACING INFORMATION AT THE TOP AND BOTTOM OF PIER AND AROUND ANCHOR RODS.
5. PIER DOWELS ARE TO FUNCTION AS PIER VERTICAL REINFORCING FOR PIERS LESS THAN OR EQUAL TO 5'-0" OF HEIGHT. PROVIDE SEPARATE DOWELS & VERTICALS FOR PIERS GREATER THAN OR EQUAL TO 5'-0" OF HEIGHT.
6. CONTACT SEOR FOR DIRECTION IF COLUMN ANCHOR RODS FOUL WITH PIER TIES OR VERTICALS.
7. MINIMUM HEIGHT OF PIERS: #6 VERTICALS = 2'-0", #7 VERTICALS = 2'-8". IF THIS CONTRADICTS WHAT IS SHOWN ON THE PLAN, CONTACT SEOR FOR DIRECTION.

PIER TIE DETAILS:




| PIER MARK | LENGTH | WIDTH | VERT. REINF. | TIE REINF. | TIE DETAIL |
|---|---|---|---|---|---|
| P28B | 28" | 28" | (4)-#9 | #4 @ 12" o.c. | A |
| P30B | 30" | 30" | (4)-#10 | #4 @ 12" o.c. | A |
| P32B | 32" | 32" | (8)-#8 | #4 @ 12" o.c. | B |

## CIP CONCRETE WALL SCHEDULE

NOTES:
1. PROVIDE VERTICAL DOWELS INTO FOOTING TO MATCH SIZE AND SPACING OF VERTICAL REINFORCING OF WALL w/ STD. HOOK.

| WALL MARK | TOTAL THICKNESS | WALL REINF. | BRICK LEDGE REINF. |
|---|---|---|---|
| CW8 | 8" | #5 @ 12" o.c. E.W. | - |
| CW12 | 12" | #6 @ 12" o.c. EACH FACE, E.W. | - |
| 8" + 9" BRICK LEDGE | 17" | #6 @ 12" o.c. E.W. | #5 @ 12" o.c. E.W. |
| 10" + 9" BRICK LEDGE | 19" | #6 @ 12" o.c. EACH FACE, E.W. | #5 @ 12" o.c. E.W. |

## FOUNDATION AND SLAB PLAN NOTES

1. REFER TO S000 SERIES FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. REFER TO S400 SERIES FOR TYPICAL FOUNDATION DETAILS.
3. REFER TO S500 FOR TYPICAL MASONRY DETAILS.
4. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE OTHER DISCIPLINES' ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
5. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS, IMMEDIATELY CONTACT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
6. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 0'-0". REFER TO CIVIL DWGS FOR U.S.G.S. ELEVATION.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
8. COORDINATE EXACT SIZE & LOCATION OF ALL OPENINGS IN FOUNDATION WALLS WITH THE APPROPRIATE CONTRACTOR
9. ALL FOOTINGS SHALL BE LOWERED TO PASS BELOW UNDERGROUND UTILITIES, E.G. SANITARY, STORM, WATER, CONDUIT BANKS, ETC. THESE LINES HAVE BEEN SHOWN IN THE APPROXIMATE LOCATIONS ON THE CONTRACT DOCUMENTS AND NEED TO BE COORDINATED BY THE APPROPRIATE CONTRACTORS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL FOUNDATION STEP DETAIL. IF FOOTINGS ARE TO BE STEPPED DIFFERENTLY THAN WHAT IS SHOWN ON THESE PLANS, THEY SHOULD BE SUBMITTED TO THE ENGINEER TO REVIEW AFTER CONTRACTOR COORDINATION.
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11. ALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQUIRED TO SUITABLE BEARING MATERIAL AS DETERMINED BY THE ONSITE GEOTECHNICAL TESTING AGENCY AND REFER TO THE TYPICAL OVEREXCAVATION DETAILS FOR SOILS THAT ARE UNSUITABLE.
12. COLUMN FOOTINGS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED AT THE MIDPOINT BETWEEN THE COLUMNS, UNLESS NOTED OTHERWISE ON PLAN.
13. WHERE PIERS OCCUR WITHIN A LARGER ARCHITECTURAL PILASTER OR COLUMN ENCLOSURE (E.G. P24 WITHIN 40" SQUARE CANOPY PILASTERS) PROVIDE PIER REINFORCING CAGE CENTERED ON THE GRID INTERSECTION. FORM OVERALL PIER TO PROFILE OF THE ARCHITECTURAL PILASTER OR COLUMN ENCLOSURE. LAYOUT PILASTERS FROM DIMENSIONS ON THE ARCHITECTURAL PLANS & DETAILS.
14. FOR ARCHITECTURAL PILASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS A FULLY GROUTED MASONRY PIER OR CAST-IN-PLACE CONCRETE PIER REINFORCED WITH #5 VERTICAL REINFORCING AT 12" O.C. ALL FACES, AT CONTRACTOR'S OPTION
15. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINFORCING NOTED ON PLANS & SECTIONS.
16. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
17. ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND THE FLOORING SUPPLIER.
18. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. REFER TO THE TYPICAL THICKENED SLAB DETAIL. LAY OUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECTURAL FLOOR PLANS.
19. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE. REFER TO THE TYPICAL SLAB CONTROL/CONTRACTION JOINT DETAIL AND THE SLAB-ON-GRADE SCHEDULE.
20. PLAN LEGEND:

F.F. DENOTES FINISH FLOOR.

T/'X' DENOTES TOP OF FOUNDATION ELEMENT. (FOOTING, PIER, SLAB, ETC.)

WF30 -0'-8" DENOTES WALL FOOTING MARK AND TOP OF FOOTING ELEVATION. REFER TO WALL FOOTING SCHEDULE.

S4 T/SLAB = 0'-0" DENOTES CAST-IN-PLACE CONCRETE SLAB-ON-GRADE MARK AND TOP OF SLAB ELEVATION. REFER TO SLAB-ON-GRADE SCHEDULE.

DENOTES UTILITY TO PASS OVER TOP FOOTING AND SLEEVE THROUGH PERIMETER FOUNDATION WALL. COORDINATE EXACT LOCATION WITH THE APPROPRIATE CONTRACTORS AND STEP FOOTINGS AS NEEDED.

DENOTES WALL FOOTING WITH STEPS. REFER TO TYPICAL FOOTING STEP DETAIL.

TF -2'-8" TF -4'-0" WF -5'-4" FOOTING STEP

F5.0 -2'-8" P24A -0'-8" HSS6x6x3/8 DENOTES CONCRETE COLUMN FOOTING MARK AND TOP OF FOOTING ELEVATION. SEE COLUMN FOOTING SCHEDULE.

P1 DENOTES CONCRETE PIER MARK AND TOP OF PIER ELEVATION. SEE PIER SCHEDULE.

CONCRETE PIER
STEEL COLUMN
CONCRETE COLUMN FOOTING
DENOTES STEEL COLUMN SIZE. REFER TO FRAMING PLANS FOR STUB COLUMNS NOT SHOWN ON FOUNDATIONS.

## 1 FOUNDATION PLAN KEY NOTES

| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | 8" CMU SHEAR WALL. PROVIDE REINFORCING PER SHEAR WALL ELEVATIONS. REFER TO DETAILS ON S500 FOR ADDITIONAL REINFORCING REQUIREMENTS. |
| 2 | SHADED AREA DENOTES EXISTING FOUNDATIONS. FIELD VERIFY EXTENTS AS NEEDED. |
| 3 | CIP CONCRETE SITE RETAINING WALL AND FOOTING. SEE SECTION S/S410. SEE CIVIL DWGS. FOR T/WALL, SITE SLAB, AND GRADE ELEVATIONS, WALL LAYOUT DIMENIONS AND HANDRAIL INFORMATION. |
| 4 | CIP CONCRETE SITE RETAINING WALL AND FOOTING. SEE SECTION 10/S410. SEE CIVIL DWGS. FOR T/WALL, SITE SLAB, AND GRADE ELEVATIONS, WALL LAYOUT DIMENIONS AND HANDRAIL INFORMATION. |
| 5 | CIP CONCRETE SITE RETAINING WALL AND FOOTING. SEE SECTIONS ON S411. SEE CIVIL DWGS. FOR T/WALL, SITE SLAB, AND GRADE ELEVATIONS, WALL LAYOUT DIMENIONS AND HANDRAIL INFORMATION. |


LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Hanlon & Brumleve, Inc.


RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEVITUS
REGISTERED
No. PE12300430
STATE OF INDIANA
PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

REVISIONS:

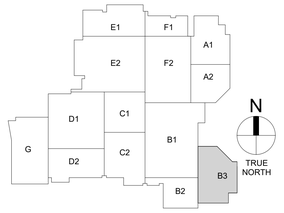
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| 2 | 07-27-2026 | ADD#03 |

100% CONSTRUCTION DOCUMENTS

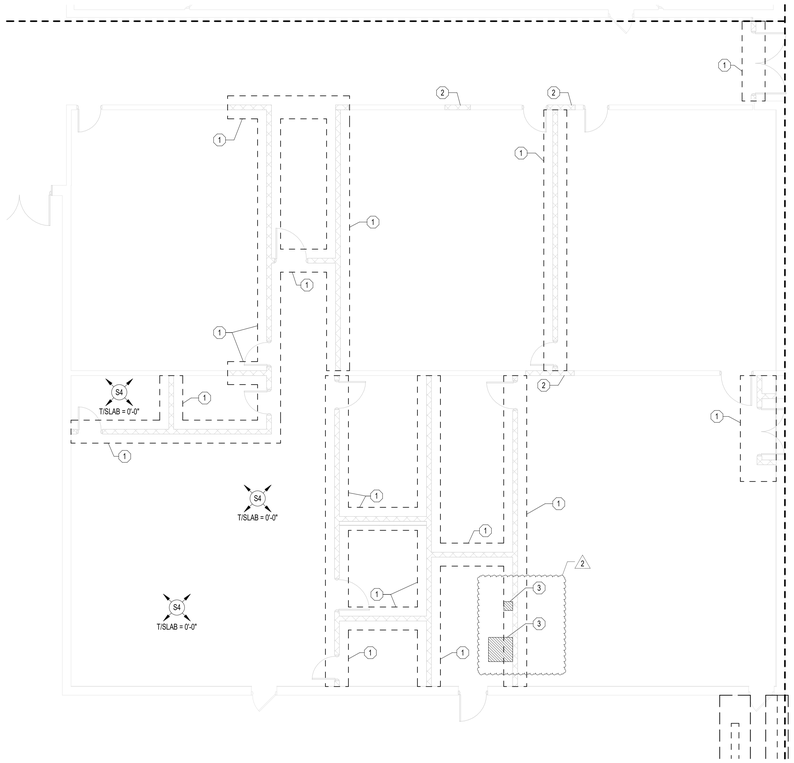
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DATE: 07/03/2026
DRAWN BY: JDO

FOUNDATION PLAN - UNIT B.3

S100B.3




PLOT DATE/TIME: 7/27/2026 10:29:53 AM




1 S101B.2 SLAB PLAN - UNIT B.2
SCALE: 1/8" = 1'-0"

## FOUNDATION AND SLAB PLAN NOTES

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20. PLAN LEGEND:

| | |
|---|---|
| F.F. | DENOTES FINISH FLOOR. |
| T/'X' | DENOTES TOP OF FOUNDATION ELEMENT. (FOOTING, PIER, SLAB, ETC.) |
| WF30 -2'-8" | DENOTES WALL FOOTING MARK AND TOP OF FOOTING ELEVATION. REFER TO WALL FOOTING SCHEDULE. |
| S4 T/SLAB = 0'-0" | DENOTES CAST-IN-PLACE CONCRETE SLAB-ON-GRADE MARK AND TOP OF SLAB ELEVATION. REFER TO SLAB-ON-GRADE SCHEDULE. |
| | DENOTES UTILITY TO PASS OVER TOP FOOTING AND SLEEVE THROUGH PERIMETER FOUNDATION WALL. COORDINATE EXACT LOCATION WITH THE APPROPRIATE CONTRACTORS AND STEP FOOTINGS AS NEEDED. |
| TF -2'-8" TF -4'-0" BF -5'-4" | DENOTES WALL FOOTING WITH STEPS. REFER TO TYPICAL FOOTING STEP DETAIL. |
| | FOOTING STEP |
| F5.0 -2'-8" P24A -0'-8" HSS6x6x3/8 | DENOTES CONCRETE COLUMN FOOTING MARK AND TOP OF FOOTING ELEVATION. SEE COLUMN FOOTING SCHEDULE. |
| | DENOTES CONCRETE PIER MARK AND TOP OF PIER ELEVATION. SEE PIER SCHEDULE. |
| | CONCRETE PIER |
| | STEEL COLUMN |
| | DENOTES STEEL COLUMN SIZE. REFER TO FRAMING PLANS FOR STUB COLUMNS NOT SHOWN ON FOUNDATIONS. |
| | CONCRETE COLUMN FOOTING |

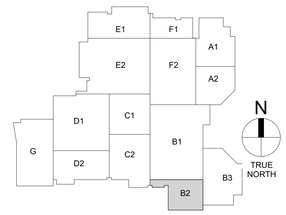
## EXISTING SLAB PLAN KEY NOTES

| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | APPROX. LOCATION OF NEW THICKENED CONCRETE SLAB. NOT ALL NEW CMU PARTITION WALLS AND THICKENED SLABS MAY BE SHOWN ON PLANS. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL WALL LOCATIONS. |
| 2 | INFILL EXISTING CMU WALL PER ARCH. DWGS. NO THICKENED SLAB REQUIRED. |
| 3 | APPROX. LOCATION OF MEP HOUSEKEEPING PAD PER TYPICAL DETAILS ON S400. SEE MEP DWGS FOR EXACT DIMENSIONS AND LOCATIONS. |

## SLAB-ON-GRADE SCHEDULE

NOTES:
1. REFER TO CONCRETE SPECIFICATION FOR CONCRETE MATERIALS, PERFORMANCE REQUIREMENTS, EXECUTION, TESTING, ETC.
2. LAY OUT CONTROL/CONTRACTION JOINTS AT MAXIMUM SPACING OF 4 x THE SLAB THICKNESS (INCHES) IN FEET. LAY OUT TO CONFORM WITH MAJOR COLUMN LINES, HALF-COLUMN LINES, RE-ENTRANT CORNERS FORMED BY WALLS, ETC. FOR SLABS SCHEDULED TO RECEIVE TERRAZZO, TILE, VINYL-COMPOSITION TILE, VINYL SHEET GOODS, EPOXY, ETC. COORDINATE JOINT LAYOUT WITH THE FINISH FLOOR CONTRACTOR. SUBMIT PROPOSED JOINT PLAN FOR REVIEW PRIOR TO PLACING SLABS.
3. ES SYSTEM CONSISTING OF:
   A. ES INTERNAL CURE @ 4OZ/CWT
   B. ES CATALYST SPRAYED ON SLAB-ON-GRADE BETWEEN 800-1,500 SF/GAL.
4. GRANULAR DRAINAGE FILL TO BE NARROWLY-GRADE, CRUSHED STONE COARSE AGGREGATE W/ 100% PASSING A 1½" SIEVE AND 0-5% PASSING A NO. 8 SIEVE. SUBMIT PROPOSED DRAINAGE FILL FOR REVIEW. USE OF PEA GRAVEL AND/OR SAND AS DRAINAGE FILL IS PROHIBITED UNLESS APPROVED IN WRITING BY THE STRUCTURAL AND GEOTECHNICAL TESTING AGENCY.

| MARK | THICKNESS | REINF. | VAPOR BARRIER | SUBBASE | NOTES |
|---|---|---|---|---|---|
| S4 | 4" | FIBERFORCE 300 @ 1.5 LBS/CY | 15 MIL CLASS A | MINIMUM 6" COMPACTED GRANULAR FILL (INDOT 53) OVER 15 MIL VAPOR BARRIER | 1, 2, 3, 4 |
| S6 | 6" | FIBERFORCE 300 @ 1.5 LBS/CY | 15 MIL CLASS A | MINIMUM 6" COMPACTED GRANULAR FILL (INDOT 53) OVER 15 MIL VAPOR BARRIER | 1, 2, 3, 4 |




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601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEWITUS
REGISTERED
No. PE12300430
STATE OF INDIANA
PROFESSIONAL ENGINEER
Daniel Jack Lewitus
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
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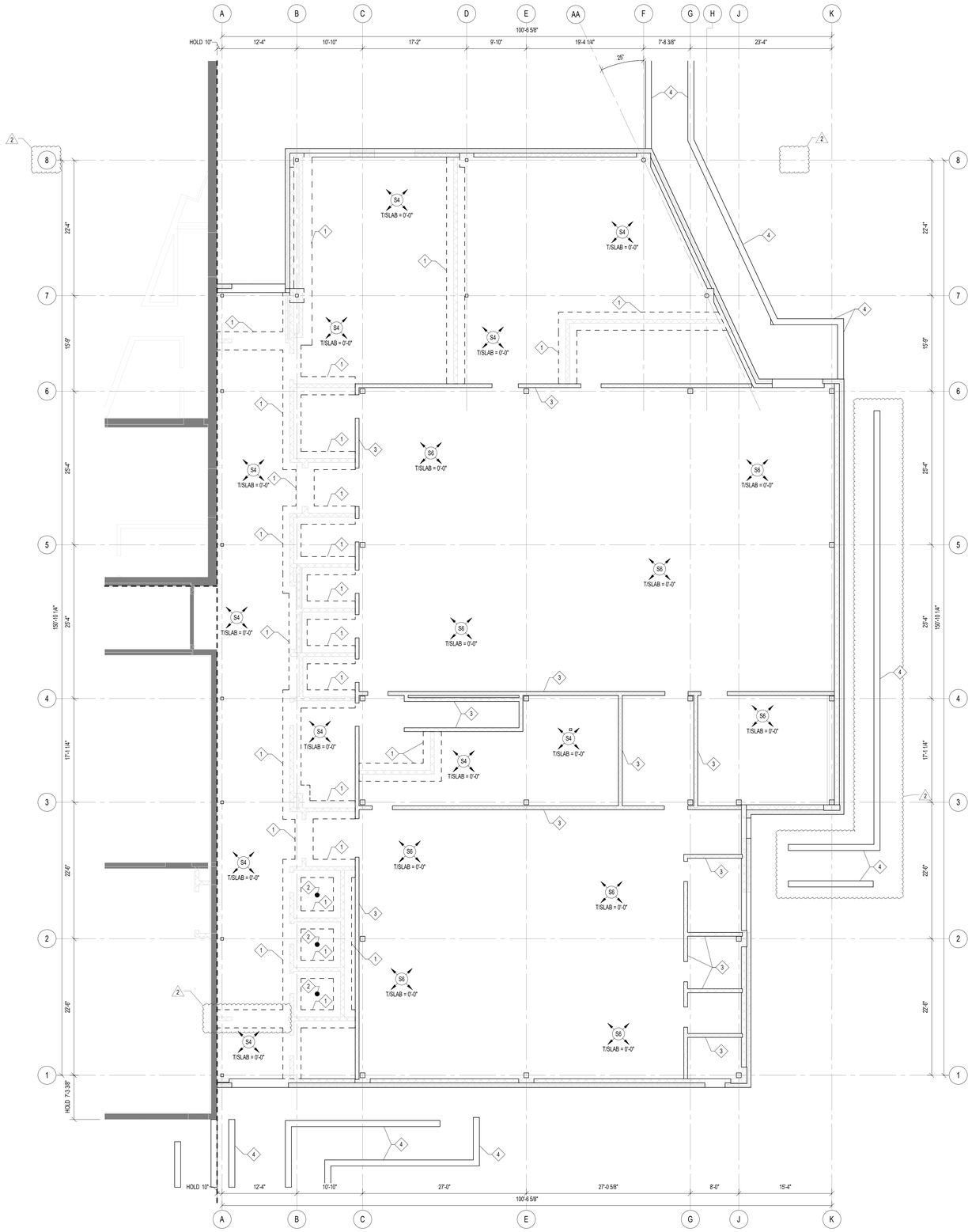
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| PROJECT: | #26102 |
| DATE: | 07/03/2026 |
| DRAWN BY: | JDO |

SLAB PLAN - UNIT B.2

S101B.2

PLOT DATE/TIME: 7/27/2026 10:05:54 AM




1 S101B.3 SCALE: 1/8" = 1'-0"

## SLAB PLAN - UNIT B.3

## FOUNDATION AND SLAB PLAN NOTES

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| S4 T/SLAB = 0'-0" | DENOTES CAST-IN-PLACE CONCRETE SLAB-ON-GRADE MARK AND TOP OF SLAB ELEVATION. REFER TO SLAB-ON-GRADE SCHEDULE. |
| | DENOTES UTILITY TO PASS OVER TOP FOOTING AND SLEEVE THROUGH PERIMETER FOUNDATION WALL. COORDINATE EXACT LOCATION WITH THE APPROPRIATE CONTRACTORS AND STEP FOOTINGS AS NEEDED. |
| TF -2'-8" TF -4'-0" BF -5'-4" | DENOTES WALL FOOTING WITH STEPS. REFER TO TYPICAL FOOTING STEP DETAIL. FOOTING STEP |
| F5.0 -2'-8" P24A -0'-8" HSS6x6x3/8 CONCRETE PIER STEEL COLUMN CONCRETE COLUMN FOOTING | DENOTES CONCRETE COLUMN FOOTING MARK AND TOP OF FOOTING ELEVATION. SEE COLUMN FOOTING SCHEDULE. DENOTES CONCRETE PIER MARK AND TOP OF PIER ELEVATION. SEE PIER SCHEDULE. DENOTES STEEL COLUMN SIZE. REFER TO FRAMING PLANS FOR STUB COLUMNS NOT SHOWN ON FOUNDATIONS. |

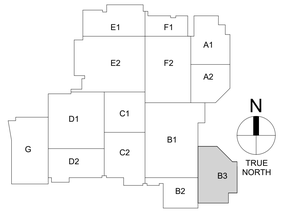
## SLAB PLAN KEY NOTES

| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | APPROX. LOCATION OF NEW THICKENED CONCRETE SLAB. NOT ALL NEW CMU PARTITION WALLS AND THICKENED SLABS MAY BE SHOWN ON PLANS. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL WALL LOCATIONS. |
| 2 | FLOOR/TRENCH DRAIN - COORD. FINAL LOCATION w/ ARCH. AND MEP DRAWINGS. REF. S400 FOR TYP. DETAIL. |
| 3 | CMU WALL BEARING ON WALL FOOTING BELOW. SEE FOUNDATION PLAN. |
| 4 | CONCRETE RETAINING WALL. SEE FOUNDATION PLAN. |

## SLAB-ON-GRADE SCHEDULE

NOTES:
1. REFER TO CONCRETE SPECIFICATION FOR CONCRETE MATERIALS, PERFORMANCE REQUIREMENTS, EXECUTION, TESTING, ETC.
2. LAY OUT CONTROL/CONTRACTION JOINTS AT MAXIMUM SPACING OF 4 x THE SLAB THICKNESS (INCHES) IN FEET. LAY OUT TO CONFORM WITH MAJOR COLUMN LINES, HALF-COLUMN LINES, RE-ENTRANT CORNERS FORMED BY WALLS, ETC. FOR SLABS SCHEDULED TO RECEIVE TERRAZZO, TILE, VINYL-COMPOSITION TILE, VINYL SHEET GOODS, EPOXY, ETC., COORDINATE JOINT LAYOUT WITH THE FINISH FLOOR CONTRACTOR. SUBMIT PROPOSED JOINT PLAN FOR REVIEW PRIOR TO PLACING SLABS.
3. ES SYSTEM CONSISTING OF:
   A. ES INTERNAL CURE @ 4OZ/CWT
   B. ES CATALYST SPRAYED ON SLAB-ON-GRADE BETWEEN 800-1,500 SF/GAL.
4. GRANULAR DRAINAGE FILL TO BE NARROWLY-GRADE, CRUSHED STONE COARSE AGGREGATE W/ 100% PASSING A 1½" SIEVE AND 0-5% PASSING A NO. 8 SIEVE. SUBMIT PROPOSED DRAINAGE FILL FOR REVIEW. USE OF PEA GRAVEL AND/OR SAND AS DRAINAGE FILL IS PROHIBITED UNLESS APPROVED IN WRITING BY THE STRUCTURAL AND GEOTECHNICAL TESTING AGENCY.

| MARK | THICKNESS | REINF. | VAPOR BARRIER | SUBBASE | NOTES |
|---|---|---|---|---|---|
| S4 | 4" | FIBERFORCE 300 @ 1.5 LBS/CY | 15 MIL CLASS A | MINIMUM 6" COMPACTED GRANULAR FILL (INDOT 53) OVER 15 MIL VAPOR BARRIER | 1, 2, 3, 4 |
| S6 | 6" | FIBERFORCE 300 @ 1.5 LBS/CY | 15 MIL CLASS A | MINIMUM 6" COMPACTED GRANULAR FILL (INDOT 53) OVER 15 MIL VAPOR BARRIER | 1, 2, 3, 4 |




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DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
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| 2 | 07-27-2026 | ADDM#3 |

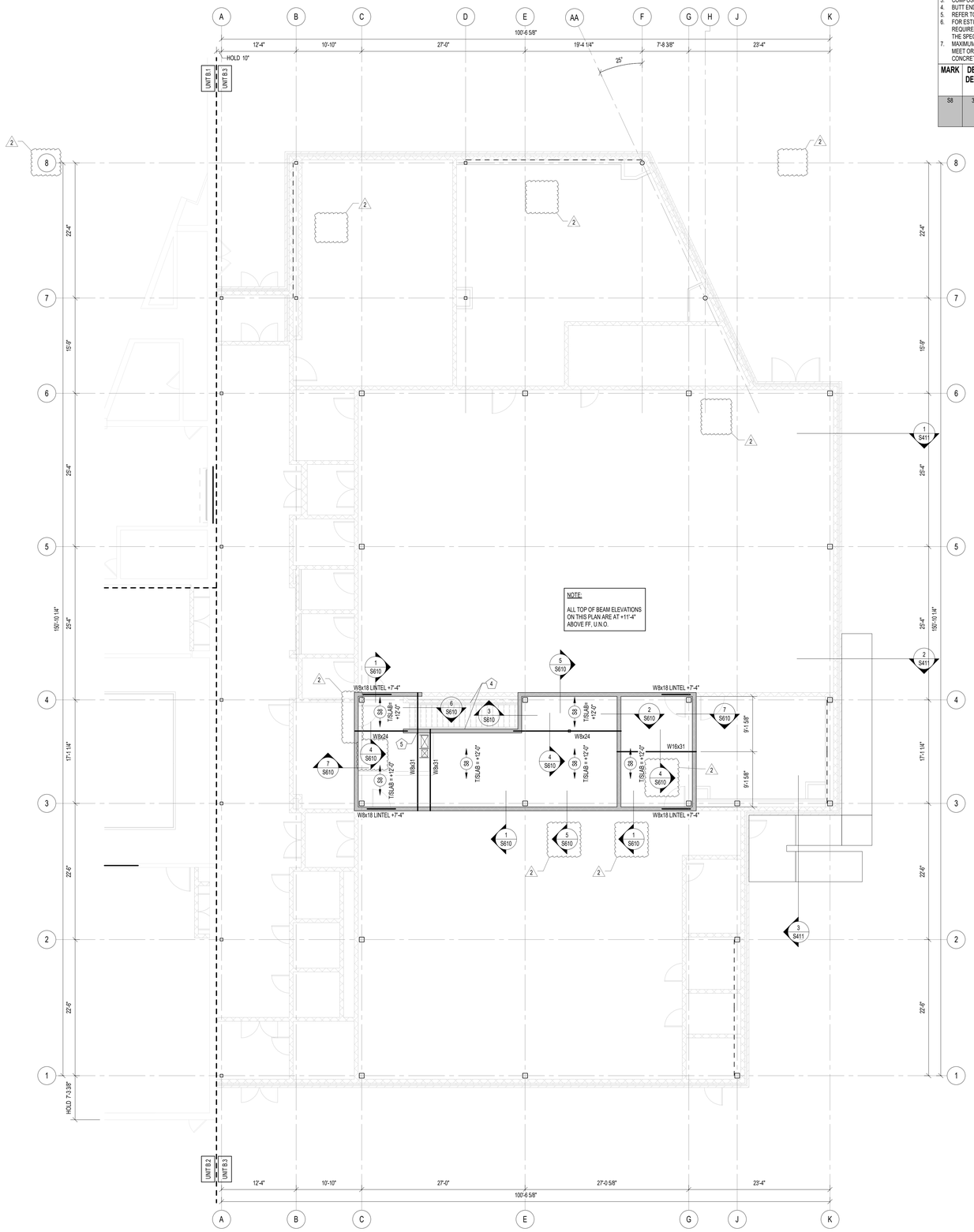
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| PROJECT: #26102 |
| DATE: 07/03/2026 |
| DRAWN BY: JDO |

SLAB PLAN - UNIT B.3

S101B.3

PLOT DATE/TIME: 7/27/2026 10:29:56 AM




1 S110B.3 2ND FLOOR FRAMING - UNIT B.3
SCALE: 1/8" = 1'-0"

## COMPOSITE FLOOR DECK SCHEDULE

NOTES:
1. ES SYSTEM CONSISTING OF:
   A. ES INTERNAL CURE @ 4OZ/CWT
   B. ES CATALYST SPRAY ON BETWEEN 800-1,500 SF/GAL
2. DECK SHOULD BE CLEANED, TREATED, AND PRIME PAINTED.
3. COMPOSITE SHEAR CONNECTIONS SHALL TAKE PACE OF WELD AT COMPOSITE BEAMS.
4. BUTT ENDS OF DECK OVER SUPPORT.
5. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL ½" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL COMPOSITE SLABS. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION
7. MAXIMUM CONSTRUCTION SPANS SHALL NOT EXCEED THOSE FOR THE SPECIFIED BASIS OF DESIGN PRODUCTS. THE CONTRACTOR MUST CONFIRM THAT ALTERNATE DECK PRODUCTS MEET OR EXCEED THE SPANS SHOWN OR ARE ACCEPTABLE FOR THE GIVEN SPANS ON THE FRAMING PLANS. CONTRACTOR SHALL SHORE ALL SPANS EXCEEDING THE LIMITS ABOVE UNTIL CONCRETE HAS ACHIEVED ITS SPECIFIED 28-DAY COMPRESSIVE STRENGTH. DECK SLAB ASSEMBLY MUST MATCH THE DECK DEPTH AND TOTAL DEPTH.

| MARK | DECK DEPTH | GAGE | YIELD STRENGTH (KSI) | TYPE | FINISH | SUPPORT FASTENER | SUPPORT FASTENER PATTERN | SIDELAP FASTENER | SIDELAP FASTENER PATTERN | SLAB TOTAL DEPTH | SLAB REINF. | BASIS OF DESIGN | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S8 | 3.5" | 18 | 40 | COMPOSITE | GALVANIZED | 3/4" PUDDLE WELDS | 36/4 | #10 TEK SCREWS | 36" O.C. MAX | 8" | 6x6-W2.1xW2.1 | VULCRAFT FORMLOK DOVETAIL 3.5DS-24FL | 1, 2, 3, 4, 5, 6, 7 |

## FRAMING PLAN NOTES

1. REFER TO S000 SERIES FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. REFER TO S500 SERIES FOR TYPICAL MASONRY DETAILS.
3. REFER TO S600 SERIES FOR TYPICAL FRAMING AND CONNECTION DETAILS.
4. REFER TO FOUNDATION PLANS FOR SIZES OF COLUMNS SUPPORTED ON FOUNDATIONS.
5. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE OTHER DISCIPLINES' ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
6. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS, IMMEDIATELY CONTACT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
7. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 0'-0". REFER TO CIVIL DWGS FOR U.S.G.S. ELEVATION.
8. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
9. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
10. COORDINATE THE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTORS. LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
11. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL WORK POINT UNLESS NOTED OTHERWISE.
12. PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL ON S600. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
13. PROVIDE FRAMES AT ALL ROOF OPENINGS, E.G. DRAINS AND HATCHES. COORDINATE THE EXACT NUMBER, LOCATIONS, AND DIMENSIONS WITH THE APPROPRIATE CONTRACTORS, THE ARCHITECTURAL, AND THE MEP DWGS.
14. INSTALL CONTINUOUS BENT PLATE/ANGLE POUR STOPS AT ALL ELEVATED SLAB-ON-DECK PERIMETER EDGES AND AROUND ALL INTERIOR FLOOR OPENINGS (BOTH SHOWN AND NOT SHOWN). SEE DETAIL 5/S600.
15. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. REFER TO THE TYPICAL PERIMETER ROOF FRAMING DETAILS FOR ATTACHMENT TO JOISTS, BEAMS, AND COLLECTORS AND FOR ALL CONDITIONS NOT SPECIFICALLY DEFINED IN FRAMING SECTIONS.
16. ALL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED, AND PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS. WHERE OTHER WORK NOT SHOWN ON THE STRUCTURAL DRAWINGS NEEDS TO PASS THROUGH THE JOIST BRIDGING, CONTRACTOR SHOULD CONTACT THE JOIST SUPPLIER FOR DIRECTION ON HOW TO MODIFY THE BRIDGING TO ALLOW FOR THIS WORK.
17. REFER TO SHEAR WALL ELEVATIONS FOR MASONRY CONTROL JOINT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL OTHER MASONRY CONTROL JOINT & EXPANSION JOINT LOCATIONS.
18. FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 1/2" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
19. PLAN LEGEND:

F.F. — DENOTES FINISH FLOOR.

T/X' — DENOTES TOP OF FRAMING ELEMENT. (STEEL JOIST, SLAB, ETC.)

B/X' — DENOTES BOTTOM OF FRAMING ELEMENT. (LINTEL, JOIST, SLAB, ETC.)

DE — DENOTES STEEL ROOF DECK EDGE AND PERIMETER ROOF ANGLE DIMENSION MEASURED FROM BEAM OR COLUMN GRID CENTERLINE.

R15 — DENOTES STEEL ROOF DECK MARK. REFER TO STEEL ROOF DECK SCHEDULE.

DENOTES STEEL BRACED FRAME. REFER TO BRACED FRAME ELEVATIONS.

K.B. — DENOTES STEEL KNEE BRACE. REFER TO TYPICAL KNEE BRACE DETAIL.

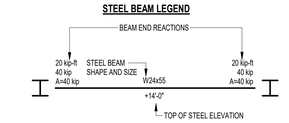
DENOTES CANTILEVER OR STUB BEAM MOMENT CONNECTION. REFER TO TYPICAL DETAILS.

DENOTES MOMENT FRAME CONNECTION FOR LATERAL FORCE RESISTANCE SYSTEM. REFER TO TYPICAL DETAILS.

DENOTES BEAM-THROUGH-BEAM MOMENT CONNECTION. REFER TO TYPICAL BEAM-THROUGH-BEAM MOMENT CONNECTION DETAIL.

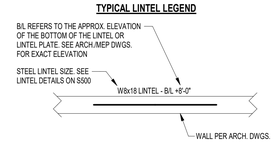
DENOTES APPROXIMATE LOCATION OF OPENING IS COMPOSITE SLAB OR STEEL ROOF DECK. REFER TO TYPICAL COMPOSITE SLAB OR ROOF DECK OPENING DETAILS.

**STEEL BEAM LEGEND**




A. REACTIONS ON EITHER END OF THE BEAM ARE LRFD.
B. NOT ALL BEAM ENDS WILL HAVE ALL THREE REACTIONS AS SHOWN IN THE LEGEND.
   a. FIRST REACTION IS FOR BENDING MOMENT. FORCE MAY BE IN EITHER DIRECTION.
   b. SECOND REACTION IS FOR SHEAR. FORCE MAY BE IN EITHER DIRECTION.
   c. THIRD REACTION IS FOR AXIAL TRANSFER THOUGH THE SUPPORT TO THE ADJACENT MEMBER. FORCE MAY BE IN EITHER DIRECTION.
C. IF NO REACTION IS LISTED AT EITHER END OF THE BEAM, REFER TO S001 FOR SHEAR CONNECTION DESIGN LOAD.
D. REFER TO TYPICAL SHEAR STUD PLACEMENT AND ADDED REINFORCING DETAIL FOR STUD SPACING REQUIREMENTS.
E. REFER TO THE COMPOSITE SLAB SCHEDULE FOR STUD LENGTH REQUIREMENTS.

**TYPICAL LINTEL LEGEND**

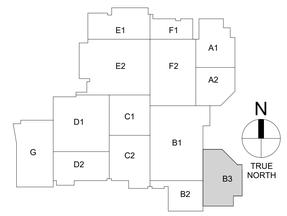



STEEL LINTEL NOTE: COORDINATE OPENING SIZES AND LOCATIONS WITH ARCH./MEP DWGS. SEE TYP. LINTEL DETAILS ON S500.

## FRAMING KEY NOTES

1

| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | THEATRE CURTAIN PER MANUFACTURER. GROUT CMU SOLID AT ATTACHMENT TO WALL. SEE ARCH. DWGS. |
| 2 | DASHED LINE INDICATES CHANNEL IN DECK FLUTES PER TYP. DETAIL 6/S602 |
| 3 | LADDERS PER ARCH. DWGS. COORDINATE w/ S001 FOR LOADING REQUIREMENTS. |
| 4 | CMU STAIR WALLS TO BE GROUTED SOLID |
| 5 | WHERE BEAM IS CONTINUOUS OVER CMU WALL, PROVIDE BEARING PLATE SIM. TO DETAILS ON S500. |




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DANIEL JACK LEWTES REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Lewtes
JULY 03, 2026

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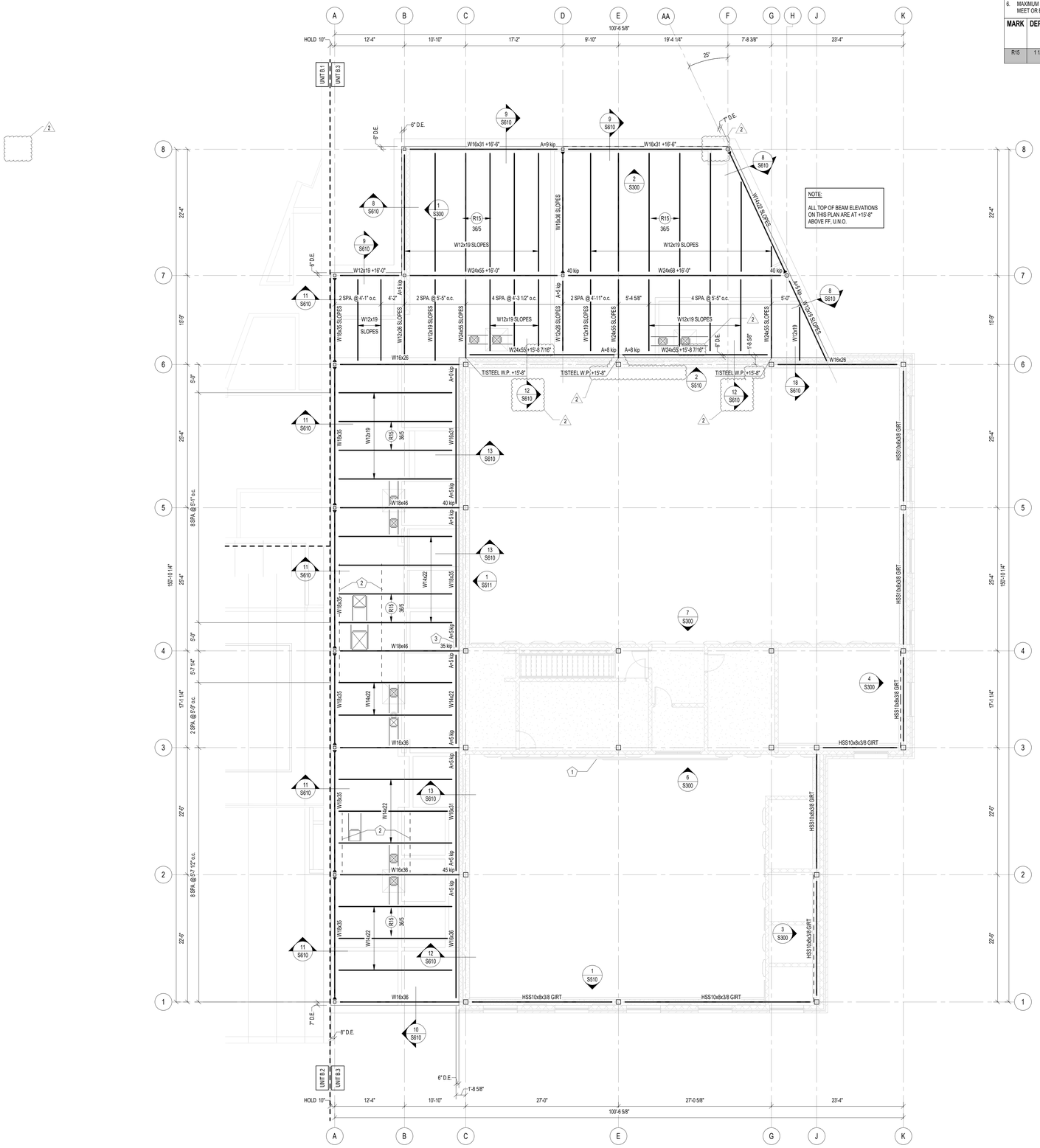
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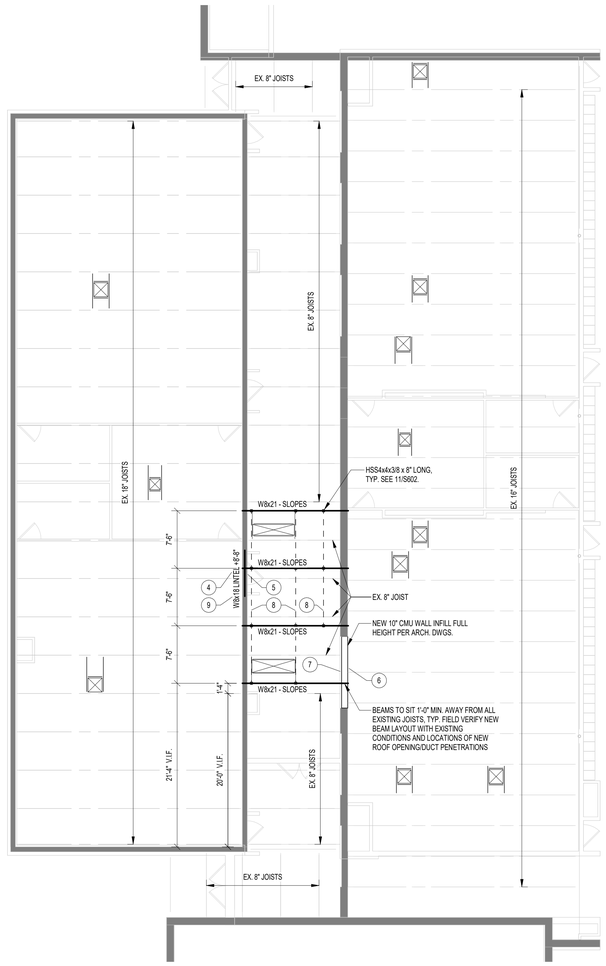
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| PROJECT: | #26102 |
| DATE: | 07/03/2026 |
| DRAWN BY: | JDO |

MEZZANINE FRAMING PLAN - UNIT B.3

S110B.3

PLOT DATE/TIME:7/27/2026 11:25:57 AM


A
B
C
D
E
AA
F
G
H
J
K
HOLD 10"
12'-4"
10'-10"
17'-2"
9'-10"
19'-4 1/4"
7'-8 3/8"
23'-4"
100'-6 5/8"
UNIT B.1
UNIT B.3
UNIT B.2
25°
6" D.E.
7" D.E.
8" D.E.
W16x31 +16'-8"
A=9 kip
W12x19 SLOPES
W16x36 SLOPES
W24x55 +16'-0"
40 kip
W24x68 +16'-0"
W24x55 +15'-8 7/16"
A=8 kip
T/STEEL W.P. +15'-8"
W16x26
W18x35
W12x26
W12x19
W16x31
W14x22
W18x46
W16x36
W16x40
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1 S120E.2 **PARTIAL ROOF FRAMING PLAN - UNIT E.2**

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

## 1 EXISTING FRAMING PLAN KEY NOTES

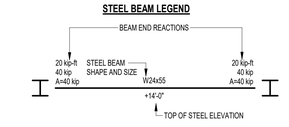
| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | CONTRACTOR TO SHORE EXISTING JOISTS DURING DEMOLITION AND INSTALLATION OF NEW LINTEL. SHORING TO BE DESIGNED BY DELEGATED ENGINEER. EACH JOIST ON THIS SIDE OF THE BEARING WALL HAS THE FOLLOWING LOADING:<br>DL: 0.75 KIPS<br>RLL: 0.75 KIPS<br>SNOW: 0.90 KIPS |
| 2 | CONTRACTOR TO SHORE EXISTING JOISTS DURING DEMOLITION AND INSTALLATION OF NEW LINTEL. SHORING TO BE DESIGNED BY DELEGATED ENGINEER. EACH JOIST ON THIS SIDE OF THE BEARING WALL HAS THE FOLLOWING LOADING:<br>DL: 2.2 KIPS<br>RLL: 2.2 KIPS<br>SNOW: 2.2 KIPS |
| 3 | CONTRACTOR TO SHORE EXISTING JOISTS DURING DEMOLITION AND INSTALLATION OF NEW LINTEL. SHORING TO BE DESIGNED BY DELEGATED ENGINEER. EACH JOIST ON THIS SIDE OF THE BEARING WALL HAS THE FOLLOWING LOADING:<br>DL: 2.6 KIPS<br>RLL: 2.6 KIPS<br>SNOW: 2.6 KIPS |
| 4 | CONTRACTOR TO SHORE EXISTING JOISTS DURING DEMOLITION AND INSTALLATION OF NEW LINTEL. NEW LINTEL TO BE INSTALLED PRIOR TO NEW ROOF BEAMS AND INSTALLATION OF NEW AHU. SHORING TO BE DESIGNED BY DELEGATED ENGINEER. EACH JOIST ON THIS SIDE OF THE BEARING WALL HAS THE FOLLOWING LOADING:<br>DL: 2.85 KIPS<br>RLL: 2.45 KIPS<br>SNOW: 2.45 KIPS |
| 5 | CONTRACTOR TO SHORE EXISTING JOISTS DURING DEMOLITION AND INSTALLATION OF NEW LINTEL. NEW LINTEL TO BE INSTALLED PRIOR TO NEW ROOF BEAMS AND INSTALLATION OF NEW AHU. SHORING TO BE DESIGNED BY DELEGATED ENGINEER. EACH JOIST ON THIS SIDE OF THE BEARING WALL HAS THE FOLLOWING LOADING:<br>DL: 2.80 KIPS<br>RLL: 1.10 KIPS<br>SNOW: 1.10 KIPS |
| 6 | CONTRACTOR TO SHORE EXISTING JOISTS DURING DEMOLITION AND INSTALLATION OF NEW CMU WALL. DEMO EXISTING AND PROVIDE NEW JOIST BEARING PLATES TO EXISTING JOISTS PER DETAIL 9/S501. NEW WALL TO BE INSTALLED PRIOR TO NEW ROOF BEAMS AND INSTALLATION OF NEW AHU. SHORING TO BE DESIGNED BY DELEGATED ENGINEER. EACH JOIST ON THIS SIDE OF THE BEARING WALL HAS THE FOLLOWING LOADING:<br>DL: 2.85 KIPS<br>RLL: 2.45 KIPS<br>SNOW: 2.45 KIPS |
| 7 | CONTRACTOR TO SHORE EXISTING JOISTS DURING DEMOLITION AND INSTALLATION OF NEW CMU WALL. DEMO EXISTING AND PROVIDE NEW JOIST BEARING PLATES TO EXISTING JOISTS PER DETAIL 9/S501. NEW WALL TO BE INSTALLED PRIOR TO NEW ROOF BEAMS AND INSTALLATION OF NEW AHU. SHORING TO BE DESIGNED BY DELEGATED ENGINEER. EACH JOIST ON THIS SIDE OF THE BEARING WALL HAS THE FOLLOWING LOADING:<br>DL: 2.80 KIPS<br>RLL: 1.10 KIPS<br>SNOW: 1.10 KIPS |
| 8 | DASHED LINE INDICATES AHU CURB SUPPORT CHANNEL LAID TOES DOWN. REF. 6/S402. |
| 9 | NEW BSTEEL LINTEL TO BE INSTALLED @ 8'-8" AFF. EXTEND LINTEL 1'-4" PAST THE OPENING BELOW ON BOTH SIDES. |

## FRAMING PLAN NOTES

1. REFER TO S000 SERIES FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. REFER TO S500 SERIES FOR TYPICAL MASONRY DETAILS.
3. REFER TO S600 SERIES FOR TYPICAL FRAMING AND CONNECTION DETAILS.
4. REFER TO FOUNDATION PLANS FOR SIZES OF COLUMNS SUPPORTED ON FOUNDATIONS.
5. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE OTHER DISCIPLINES' ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
6. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS, IMMEDIATELY CONTACT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
7. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 0'-0". REFER TO CIVIL DWGS FOR U.S.G.S. ELEVATION.
8. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
9. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
10. COORDINATE THE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTORS. LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
11. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL WORK POINT UNLESS NOTED OTHERWISE.
12. PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL ON S600. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
13. PROVIDE FRAMES AT ALL ROOF OPENINGS, E.G. DRAINS AND HATCHES. COORDINATE THE EXACT NUMBER, LOCATIONS, AND DIMENSIONS WITH THE APPROPRIATE CONTRACTORS, THE ARCHITECTURAL, AND THE MEP DWGS.
14. INSTALL CONTINUOUS BENT PLATE/ANGLE POUR STOPS AT ALL ELEVATED SLAB-ON-DECK PERIMETER EDGES AND AROUND ALL INTERIOR FLOOR OPENINGS (BOTH SHOWN AND NOT SHOWN). SEE DETAIL 5/S600.
15. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. REFER TO THE TYPICAL PERIMETER ROOF FRAMING DETAILS FOR ATTACHMENT TO JOISTS, BEAMS, AND COLLECTORS AND FOR ALL CONDITIONS NOT SPECIFICALLY DEFINED IN FRAMING SECTIONS.
16. ALL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED, AND PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS. WHERE OTHER WORK NOT SHOWN ON THE STRUCTURAL DRAWINGS NEEDS TO PASS THROUGH THE JOIST BRIDGING, CONTRACTOR SHOULD CONTACT THE JOIST SUPPLIER FOR DIRECTION ON HOW TO MODIFY THE BRIDGING TO ALLOW FOR THIS WORK.
17. REFER TO SHEAR WALL ELEVATIONS FOR MASONRY CONTROL JOINT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL OTHER MASONRY CONTROL JOINT & EXPANSION JOINT LOCATIONS.
18. FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 1/2" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
19. PLAN LEGEND:

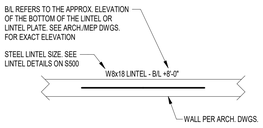
| | |
|---|---|
| F.F. | DENOTES FINISH FLOOR. |
| T/X' | DENOTES TOP OF FRAMING ELEMENT. (STEEL JOIST, SLAB, ETC.) |
| B/X' | DENOTES BOTTOM OF FRAMING ELEMENT. (LINTEL, JOIST, SLAB, ETC.) |
| DE | DENOTES STEEL ROOF DECK EDGE AND PERIMETER ROOF ANGLE DIMENSION MEASURED FROM BEAM OR COLUMN GRID CENTERLINE. |
| R15 | DENOTES STEEL ROOF DECK MARK. REFER TO STEEL ROOF DECK SCHEDULE. |
| | DENOTES STEEL BRACED FRAME. REFER TO BRACED FRAME ELEVATIONS. |
| K.B. | DENOTES STEEL KNEE BRACE. REFER TO TYPICAL KNEE BRACE DETAIL. |
| | DENOTES CANTILEVER OR STUB BEAM MOMENT CONNECTION. REFER TO TYPICAL DETAILS. |
| | DENOTES MOMENT FRAME CONNECTION FOR LATERAL FORCE RESISTANCE SYSTEM. REFER TO TYPICAL DETAILS. |
| | DENOTES BEAM-THROUGH-BEAM MOMENT CONNECTION. REFER TO TYPICAL BEAM-THROUGH-BEAM MOMENT CONNECTION DETAIL. |
| | DENOTES APPROXIMATE LOCATION OF OPENING IS COMPOSITE SLAB OR STEEL ROOF DECK. REFER TO TYPICAL COMPOSITE SLAB OR ROOF DECK OPENING DETAILS. |

**STEEL BEAM LEGEND**




A. REACTIONS ON EITHER END OF THE BEAM ARE LRFD.
B. NOT ALL BEAM ENDS WILL HAVE ALL THREE REACTIONS AS SHOWN IN THE LEGEND.
   a. FIRST REACTION IS FOR BENDING MOMENT. FORCE MAY BE IN EITHER DIRECTION.
   b. SECOND REACTION IS FOR SHEAR. FORCE MAY BE IN EITHER DIRECTION.
   c. THIRD REACTION IS FOR AXIAL TRANSFER THOUGH THE SUPPORT TO THE ADJACENT MEMBER. FORCE MAY BE IN EITHER DIRECTION.
C. IF NO REACTION IS LISTED AT EITHER END OF THE BEAM, REFER TO S001 FOR SHEAR CONNECTION DESIGN LOAD.
D. REFER TO TYPICAL SHEAR STUD PLACEMENT AND ADDED REINFORCING DETAIL FOR STUD SPACING REQUIREMENTS.
E. REFER TO THE COMPOSITE SLAB SCHEDULE FOR STUD LENGTH REQUIREMENTS.

**TYPICAL LINTEL LEGEND**




STEEL LINTEL NOTE: COORDINATE OPENING SIZES AND LOCATIONS WITH ARCH./MEP DWGS. SEE TYP. LINTEL DETAILS ON S500.


LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Harrison & Brumleve, Inc.


RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
JULY 03, 2026

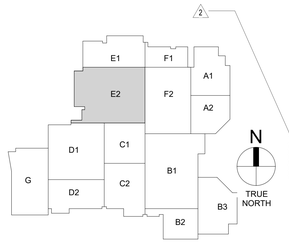
REVISIONS:

| # | Date | Desc. |
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| 2 | 07-27-2026 | ADD#03 |

**100% CONSTRUCTION DOCUMENTS**

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| PROJECT: | #26102 |
| DATE: | 07/03/2026 |
| DRAWN BY: | JDO |

PARTIAL ROOF FRAMING PLAN - UNIT E.2



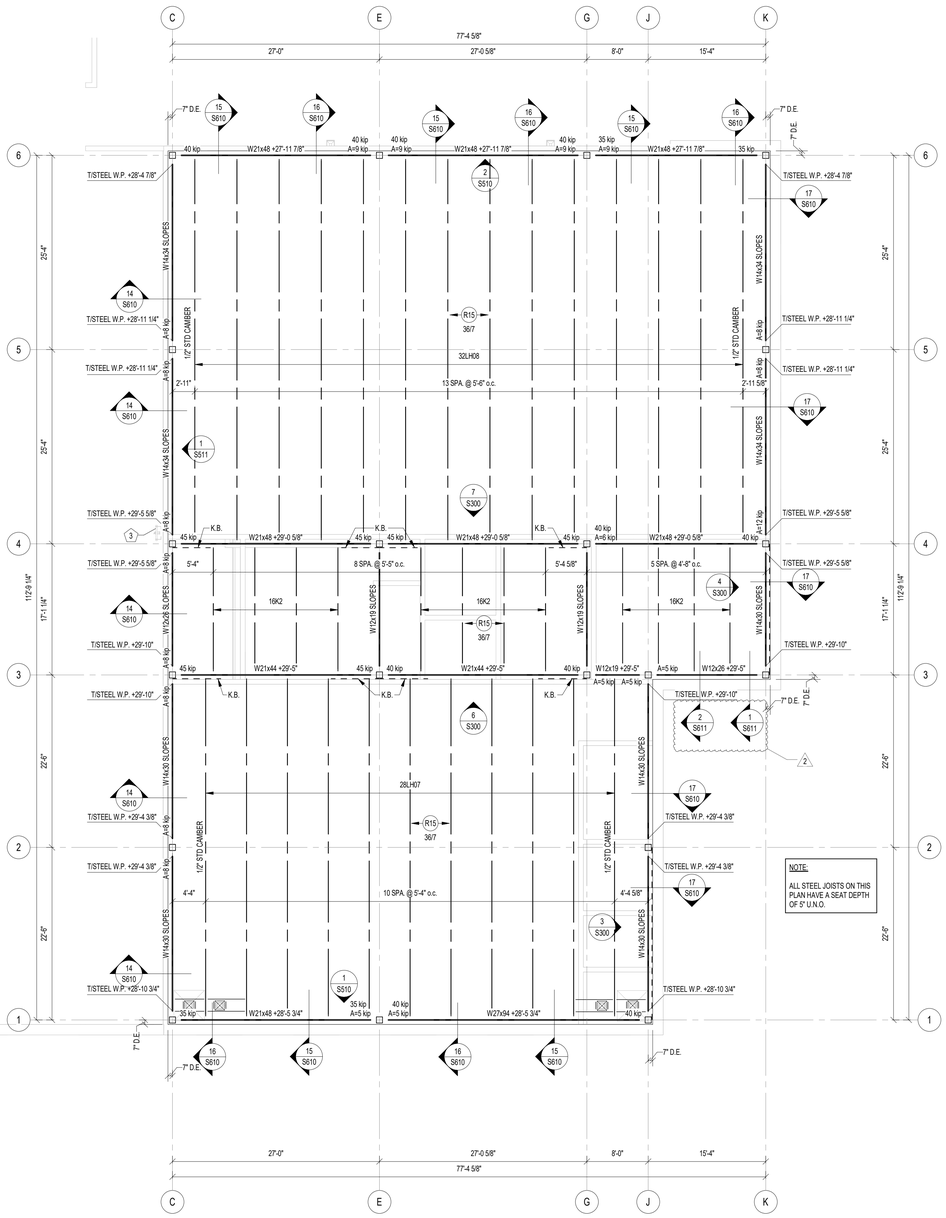

S120E.2

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## ROOF DECK SCHEDULE

NOTES:
1. DECK SHOULD BE CLEANED, TREATED, AND PRIME PAINTED.
2. MECHANICAL FASTENERS SHALL BE USED IN LIEU OF WELDS.
3. SUBMIT PROPOSED FASTENERS AND TECHNICAL DATA FOR REVIEW.
4. PERIMETER ATTACHMENT SHALL MATCH THE SUPPORT FASTENER SPACING, I.E. 36/4 = ~12" o.c. MAX.
5. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. MAXIMUM CONSTRUCTION SPANS SHALL NOT EXCEED THOSE FOR THE SPECIFIED BASIS OF DESIGN PRODUCTS. THE CONTRACTOR MUST CONFIRM THAT ALTERNATE DECK PRODUCTS MEET OR EXCEED THE SPANS SHOWN OR ARE ACCEPTABLE FOR THE GIVEN SPANS ON THE FRAMING PLANS. DECK MUST MATCH THE DECK DEPTH.

| MARK | DEPTH | GAGE | YIELD STRENGTH (KSI) | TYPE | FINISH | SUPPORT FASTENER | SUPPORT FASTENER PATTERN | SIDELAP FASTENER | SIDELAP FASTENER PATTERN | BASIS OF DESIGN | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| R15 | 1 1/2" | 20 | 50 | B ROOF | GALVANIZED | HILTI X-HSN 24 & X-ENP-19 L15 | PER PLAN | HILTI S-SLC 01 M HWH | 18" O.C. MAX | VULCRAFT 1.5B | 1, 2, 3, 4, 5, 6 |



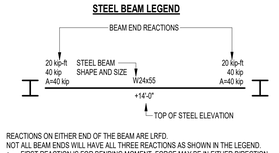

1 S130B.3 HIGH ROOF FRAMING - UNIT B.3
SCALE: 1/8" = 1'-0"

## FRAMING PLAN NOTES

1. REFER TO S000 SERIES FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. REFER TO S500 SERIES FOR TYPICAL MASONRY DETAILS.
3. REFER TO S600 SERIES FOR TYPICAL FRAMING AND CONNECTION DETAILS.
4. REFER TO FOUNDATION PLANS FOR SIZES OF COLUMNS SUPPORTED ON FOUNDATIONS.
5. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE OTHER DISCIPLINES' ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
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7. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 0'-0". REFER TO CIVIL DWGS FOR U.S.G.S. ELEVATION.
8. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
9. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
10. COORDINATE THE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTORS. LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
11. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL WORK POINT UNLESS NOTED OTHERWISE.
12. PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL ON S600. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
13. PROVIDE FRAMES AT ALL ROOF OPENINGS, E.G. DRAINS AND HATCHES. COORDINATE THE EXACT NUMBER, LOCATIONS, AND DIMENSIONS WITH THE APPROPRIATE CONTRACTORS, THE ARCHITECTURAL, AND THE MEP DWGS.
14. INSTALL CONTINUOUS BENT PLATE/ANGLE POUR STOPS AT ALL ELEVATED SLAB-ON-DECK PERIMETER EDGES AND AROUND ALL INTERIOR FLOOR OPENINGS (BOTH SHOWN AND NOT SHOWN). SEE DETAIL S/S600.
15. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. REFER TO THE TYPICAL PERIMETER ROOF FRAMING DETAILS FOR ATTACHMENT TO JOISTS, BEAMS, AND COLLECTORS AND FOR ALL CONDITIONS NOT SPECIFICALLY DEFINED IN FRAMING SECTIONS.
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19. PLAN LEGEND:

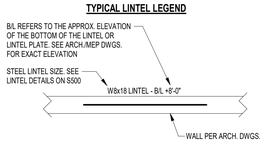
| | |
|---|---|
| F.F. | DENOTES FINISH FLOOR. |
| T/'X' | DENOTES TOP OF FRAMING ELEMENT. (STEEL JOIST, SLAB, ETC.) |
| B/'X' | DENOTES BOTTOM OF FRAMING ELEMENT. (LINTEL, JOIST, SLAB, ETC.) |
| DE | DENOTES STEEL ROOF DECK EDGE AND PERIMETER ROOF ANGLE DIMENSION MEASURED FROM BEAM OR COLUMN GRID CENTERLINE. |
| (R15) | DENOTES STEEL ROOF DECK MARK. REFER TO STEEL ROOF DECK SCHEDULE. |
| | DENOTES STEEL BRACED FRAME. REFER TO BRACED FRAME ELEVATIONS. |
| K.B. | DENOTES STEEL KNEE BRACE. REFER TO TYPICAL KNEE BRACE DETAIL. |
| | DENOTES CANTILEVER OR STUB BEAM MOMENT CONNECTION. REFER TO TYPICAL DETAILS. |
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| | DENOTES BEAM-THROUGH-BEAM MOMENT CONNECTION. REFER TO TYPICAL BEAM-THROUGH-BEAM MOMENT CONNECTION DETAIL. |
| | DENOTES APPROXIMATE LOCATION OF OPENING IS COMPOSITE SLAB OR STEEL ROOF DECK. REFER TO TYPICAL COMPOSITE SLAB OR ROOF DECK OPENING DETAILS. |

**STEEL BEAM LEGEND**




A. REACTIONS ON EITHER END OF THE BEAM ARE LRFD.
B. NOT ALL BEAM ENDS WILL HAVE ALL THREE REACTIONS AS SHOWN IN THE LEGEND.
   a. FIRST REACTION IS FOR BENDING MOMENT. FORCE MAY BE IN EITHER DIRECTION.
   b. SECOND REACTION IS FOR SHEAR. FORCE MAY BE IN EITHER DIRECTION.
   c. THIRD REACTION IS FOR AXIAL TRANSFER THOUGH THE SUPPORT TO THE ADJACENT MEMBER. FORCE MAY BE IN EITHER DIRECTION.
C. IF NO REACTION IS LISTED AT EITHER END OF THE BEAM, REFER TO S001 FOR SHEAR CONNECTION DESIGN LOAD.
D. REFER TO TYPICAL SHEAR STUD PLACEMENT AND ADDED REINFORCING DETAIL FOR STUD SPACING REQUIREMENTS.
E. REFER TO THE COMPOSITE SLAB SCHEDULE FOR STUD LENGTH REQUIREMENTS.

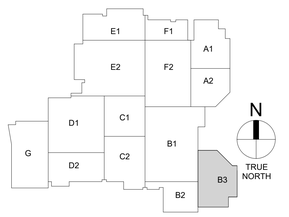
**TYPICAL LINTEL LEGEND**




STEEL LINTEL NOTE: COORDINATE OPENING SIZES AND LOCATIONS WITH ARCH./MEP DWGS. SEE TYP. LINTEL DETAILS ON S500.

## 1 FRAMING KEY NOTES

| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | THEATRE CURTAIN PER MANUFACTURER. GROUT CMU SOLID AT ATTACHMENT TO WALL. SEE ARCH. DWGS. |
| 2 | DASHED LINE INDICATES CHANNEL IN DECK FLUTES PER TYP. DETAIL 6/S602 |
| 3 | LADDERS PER ARCH. DWGS. COORDINATE w/ S001 FOR LOADING REQUIREMENTS. |
| 4 | CMU STAIR WALLS TO BE GROUTED SOLID |
| 5 | WHERE BEAM IS CONTINUOUS OVER CMU WALL: PROVIDE BEARING PLATE SIM. TO DETAILS ON S500. |




LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204
Lynch, Harrison & Brumleve, Inc.

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 2 | 07-27-2026 | ADDM03 |

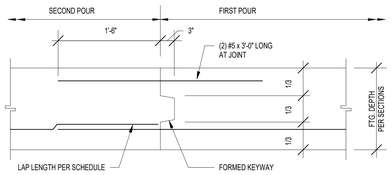
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PROJECT: #26102
DATE: 07/03/2026
DRAWN BY: JDO

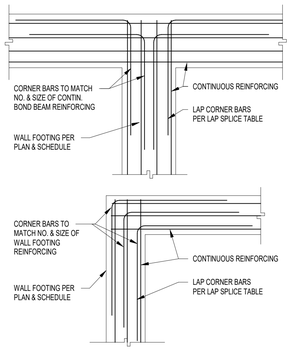
HIGH ROOF FRAMING PLAN - UNIT B.3

S130B.3

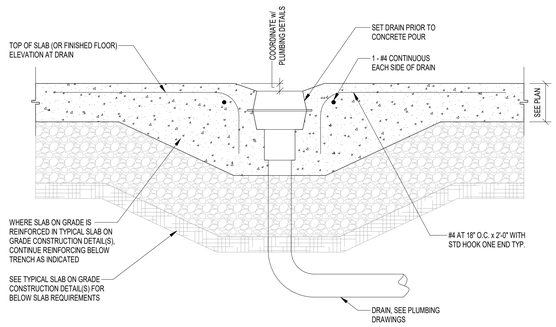
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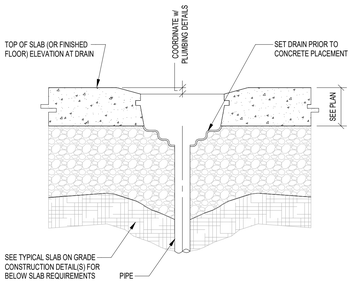

11 S400 **WALL FOOTING CONSTRUCTION JOINT**
SCALE: N.T.S.



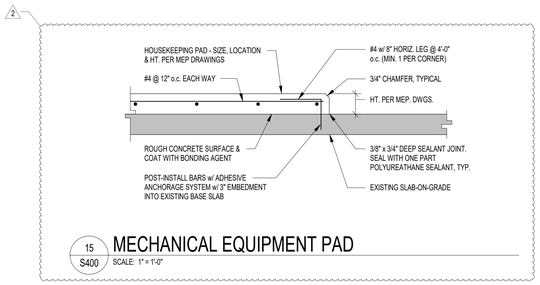

7 S400 **WALL FOOTING INTERSECTION DETAILS**
SCALE: N.T.S.



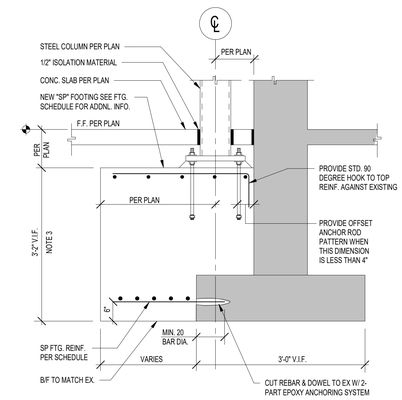

TYPICAL FLOOR TRENCH DRAIN




TYPICAL FLOOR DRAIN

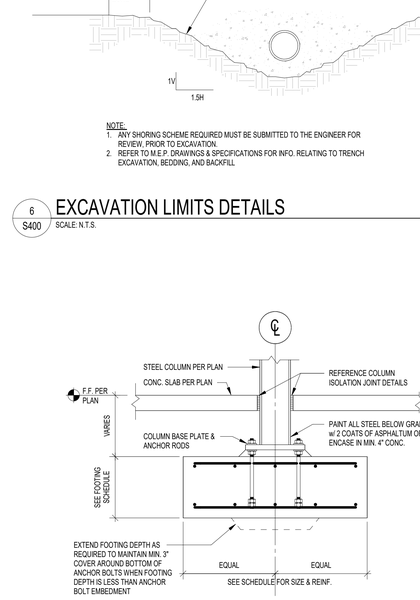



15 S400 **MECHANICAL EQUIPMENT PAD**
SCALE: 1" = 1'-0"



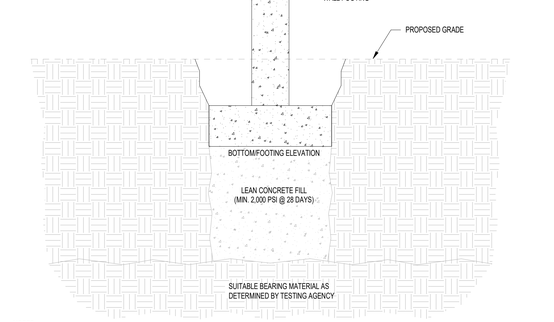

NOTES:
1. EX. FOOTING SIZE AND DEPTH MUST BE FIELD VERIFIED.
2. CONT. WALL FOOTING REINF. HIDDEN FOR CLARITY.
3. WHEN COLUMN IS SUPPORTED ON PIER ABOVE SP FOOTING, SEE FOOTING SCHEDULE FOR FOOTING THICKNESS. B/SP FOOTING TO MATCH B/ EXISTING FOOTING.

10 S400 **SP FOOTING - NEW-TO-EX. COLUMN FOOTING**
SCALE: N.T.S.




NOTE:
1. ANY SHORING SCHEME REQUIRED MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW, PRIOR TO EXCAVATION.
2. REFER TO M.E.P. DRAWINGS & SPECIFICATIONS FOR INFO. RELATING TO TRENCH EXCAVATION, BEDDING, AND BACKFILL

6 S400 **EXCAVATION LIMITS DETAILS**
SCALE: N.T.S.

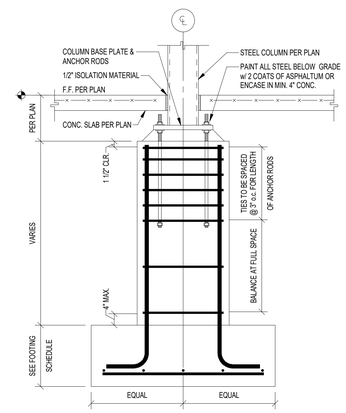



NOTES:
1. REFER TO THE SPECIFICATIONS FOR APPLICATION OF UNIT COSTS FOR REMOVAL OF UNSUITABLE BEARING MATERIAL & REPLACEMENT W/ LEAN CONCRETE FILL.
2. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION RE: EXPECTED SOIL CONDITIONS, SUITABILITY OF EX. SOILS FOR USE AS ENGINEERED FILL, GROUNDWATER CONDITIONS, ETC.
3. MAX. DEPTH OF UNSHEATHED/UNSHORED EXCAVATION TO CONFORM W/ THE APPLICABLE REQUIREMENTS OF OSHA AND/OR STATE & LOCAL CODES

3 S400 **TYPICAL FLOOR AND TRENCH DRAIN**
SCALE: N.T.S.

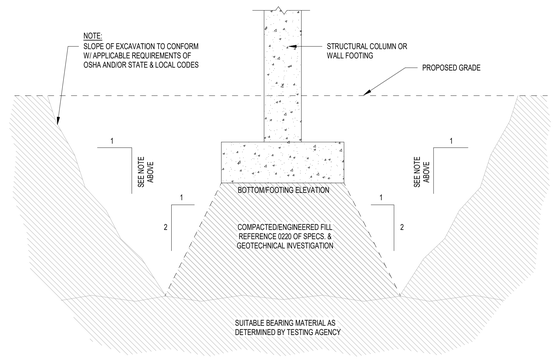



5 S400 **TYPICAL INTERIOR COLUMN FOOTING**
SCALE: N.T.S.



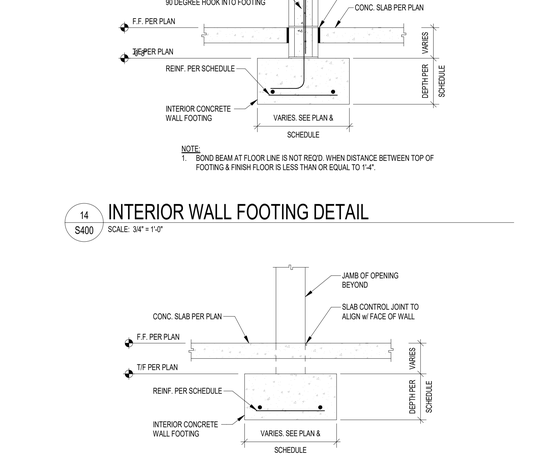

NOTES:
1. REF. TO PIER SCHEDULE FOR SIZE, REINFORCING, AND TIE SPACING.
2. REF. TO FOOTING SCHEDULE FOR SIZE & REINFORCING.

4 S400 **TYPICAL CONCRETE PIER REINFORCING**
SCALE: N.T.S.



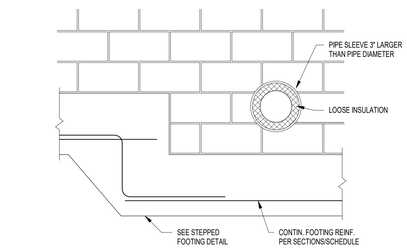

NOTES:
1. REFER TO THE SPECIFICATIONS FOR APPLICATION OF UNIT COSTS FOR REMOVAL OF UNSUITABLE BEARING MATERIAL & REPLACEMENT W/ COMPACTED. ENGINEERED FILL
2. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION RE: EXPECTED SOIL CONDITIONS, SUITABILITY OF EX. SOILS FOR USE AS ENGINEERED FILL, GROUNDWATER CONDITIONS, ETC.

2 S400 **OVEREXCAVATION DETAIL - LEAN CONCRETE FILL**
SCALE: N.T.S.



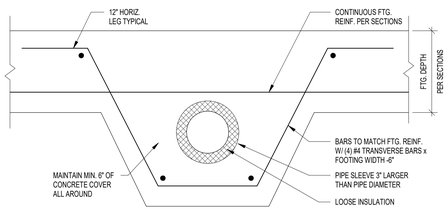

NOTES:
1. "H" DENOTES HEIGHT OF STEP AS SHOWN ON PLAN.
2. "L" DENOTES LENGTH BETWEEN STEPS. LAYOUT TO MAINTAIN SLOPE OF 1 VERTICAL TO 2 HORIZONTAL UNLESS NOTED OTHERWISE.
3. "D" DENOTES FOOTING DEPTH, REFER TO PLANS, SECTIONS & SCHEDULES.

12 S400 **STEPPED FOOTING DETAIL**
SCALE: N.T.S.



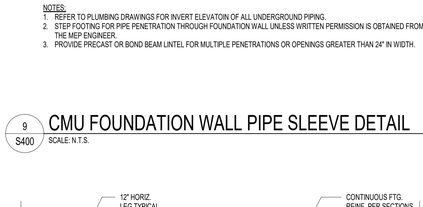

NOTES:
1. REFER TO PLUMBING DRAWINGS FOR INVERT ELEVATOIN OF ALL UNDERGROUND PIPING.
2. STEP FOOTING FOR PIPE PENETRATION THROUGH FOUNDATION WALL UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE MEP ENGINEER.
3. PROVIDE PRECAST OR BOND BEAM LINTEL FOR MULTIPLE PENETRATIONS OR OPENINGS GREATER THAN 24" IN WIDTH.

9 S400 **CMU FOUNDATION WALL PIPE SLEEVE DETAIL**
SCALE: N.T.S.




NOTES:
1. REFER TO PLUMBING DRAWINGS FOR INVERT ELEVATION OF ALL UNDERGROUND PIPING.
2. PROVIDE THIS DETAIL WHERE A PENETRATION THROUGH A WALL FOOTING IS UNAVOIDABLE.
3. NO SLEEVES IN COLUMN FOOTINGS ARE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

8 S400 **WALL FOOTING SLEEVE DETAIL**
SCALE: N.T.S.




14 S400 **INTERIOR WALL FOOTING DETAIL**
SCALE: 3/4" = 1'-0"




NOTE:
1. BOND BEAM AT FLOOR LINE IS NOT REQ'D. WHEN DISTANCE BETWEEN TOP OF FOOTING & FINISH FLOOR IS LESS THAN OR EQUAL TO 1'-4".

13 S400 **INTERIOR WALL FOOTING AT DOOR DETAIL**
SCALE: 3/4" = 1'-0"


LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Harrison & Brumleve, Inc.


RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEVITUS — REGISTERED — No. PE12300430 — STATE OF INDIANA — PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 2 | 07-27-2026 | ADDM03 |

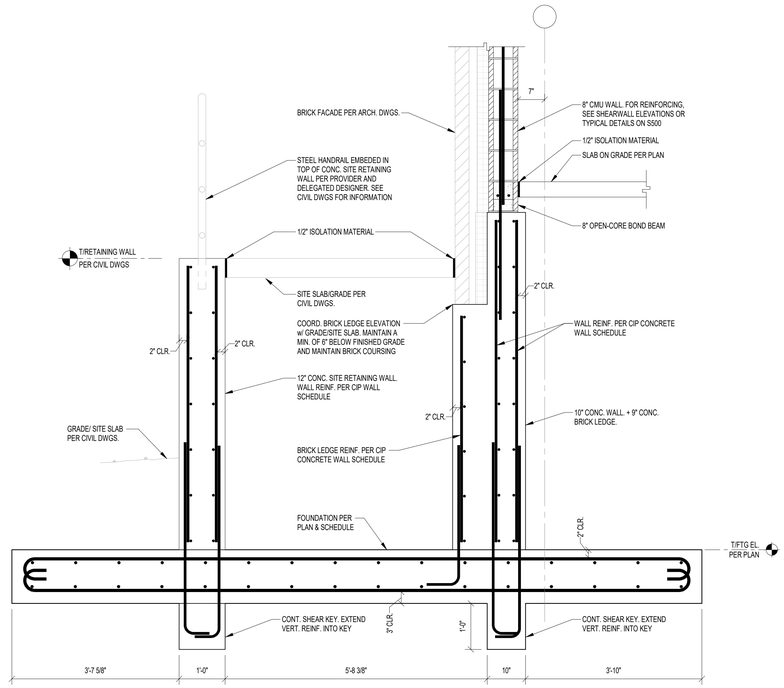
**100% CONSTRUCTION DOCUMENTS**

PROJECT: #26102
DATE: 07/03/2026
DRAWN BY: JDO

TYPICAL FOUNDATION DETAILS

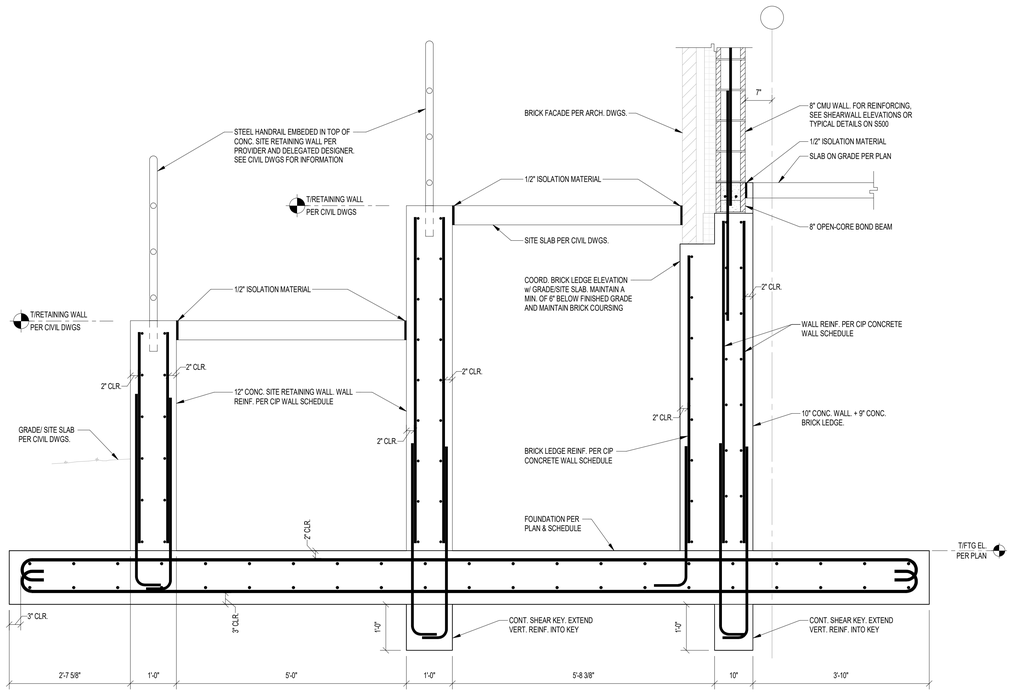
S400

PLOT DATE/TIME: 7/27/2026 10:36:56 AM



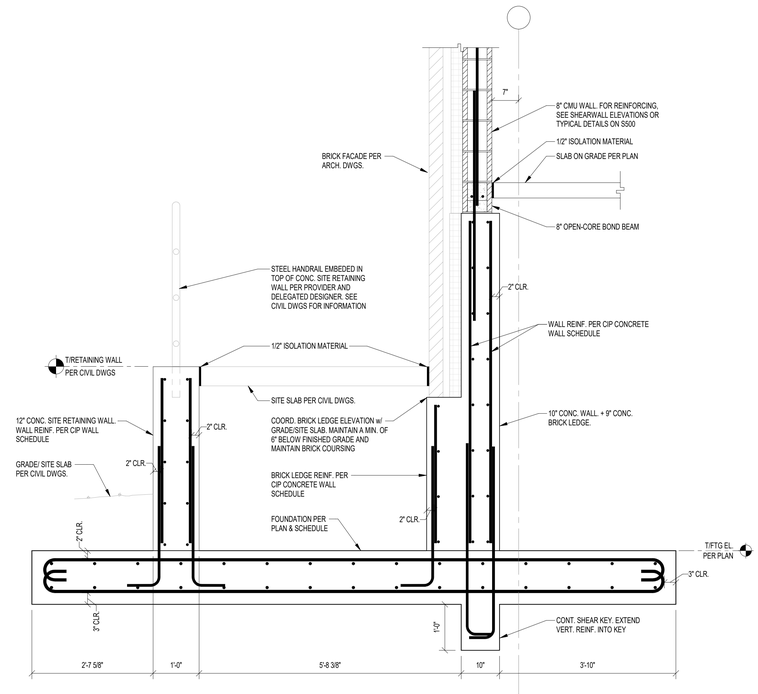

2 S411 FOUNDATION SECTION

SCALE: 3/4" = 1'-0"




3 S411 FOUNDATION SECTION

SCALE: 3/4" = 1'-0"




1 S411 FOUNDATION SECTION

SCALE: 3/4" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

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RICHLAND-BEAN BLOSSOM CSC
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DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 2 | 07-27-2026 | ADD#03 |

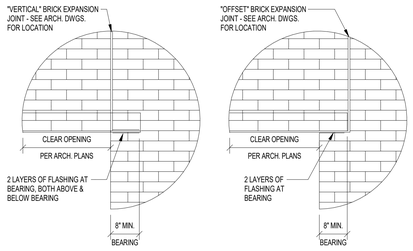
100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07/03/2026
DRAWN BY: JDO

FOUNDATION SECTIONS

2
S411

PLOT DATE/TIME: 7/27/2026 10:38:00 AM



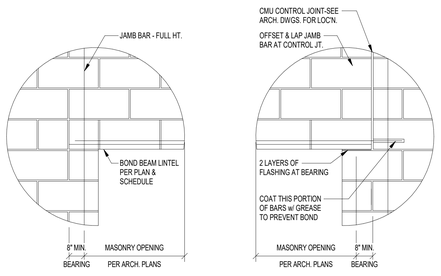

AT "VERTICAL" BRICK EXPANSION JOINT

AT "OFFSET" BRICK EXPANSION JOINT

NOTE:
1. LIMESTONE LINTELS ARE SIMILAR.

## 16 S500 LINTEL BEARING DETAILS

SCALE: N.T.S.

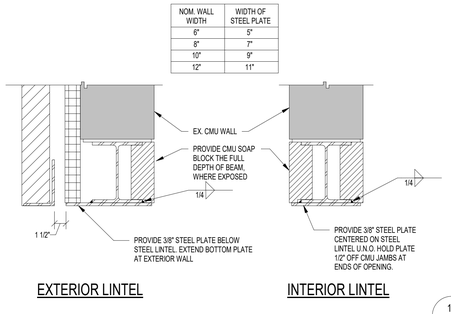



NOT AT CONTROL JOINT

AT CONTROL JOINT

## 15 S500 BOND BEAM BEARING DETAILS

SCALE: N.T.S.



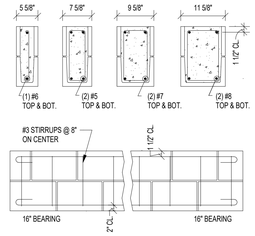

EXTERIOR LINTEL

INTERIOR LINTEL

NOTE:
APPROX. B.LINTEL ELEVATION ON PLAN REPRESENTS BOTTOM OF STEEL PLATE. COORDINATE ELEVATION WITH ARCH/MEP DWGS.

## 14 S500 TYPICAL STEEL LINTEL IN EXISTING WALL

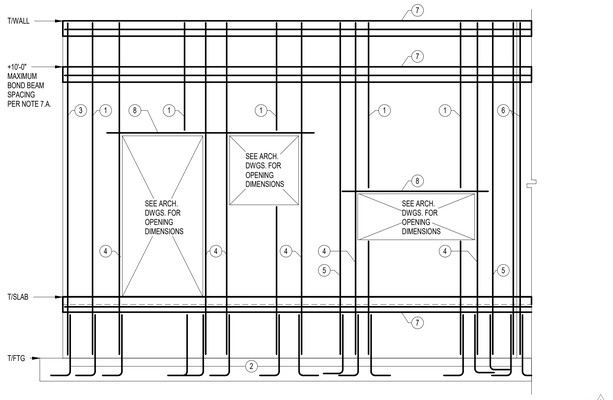
SCALE: 1 1/2" = 1'-0"




CMU LINTEL NOTES:
1. FILL IS 2,500 PSI (MINIMUM) GROUT.
2. ALL REBARS ARE HOOKED AT THE ENDS.
3. FOR TYPE OF CMU SEE THE SPECS.
4. LINTELS SHALL BEAR ON SOLIDLY GROUTED CMU.
5. THIS SCHEDULE DOES NOT APPLY TO LOAD BEARING WALLS, UNLESS NOTED OTHERWISE.
6. BOND PATTERN OF LINTEL TO BE RUNNING BOND, U.N.O.
7. BOTTOM OF LINTEL SHALL BE SMOOTH MASONRY WITH NO CORES EXPOSED.
8. CONTRACTOR TO PROVIDE TEMPORARY SHORING UNTIL MASONRY HAS PROPERLY SET (3 DAY MINIMUM)

## 13 S500 LONG CMU LINTEL DETAILS

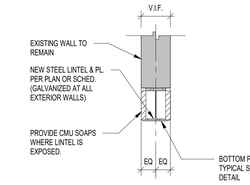
SCALE: N.T.S.



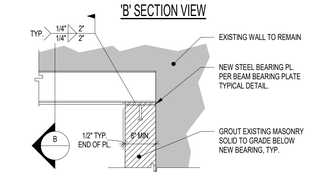

NOTES:
1. PROVIDE VERTICAL REINFORCING PER FRAMING NOTES, SECTIONS OR SCHEDULES. WHERE NOT INDICATED, PROVIDE #5 @ 32" o.c. FOR EXTERIOR WALLS AND #5 @ 48" o.c. FOR INTERIOR WALLS.
2. PROVIDE DOWELS TO MATCH VERTICALS w/ TYPICAL LAP SPLICE.
3. PROVIDE ADDL VERTICAL BARS IN CELLS THAT FORM CORNERS, INTERSECTIONS WITH OTHER WALLS AND ENDS OF WALLS.
4. PROVIDE ADDL FULL HEIGHT VERTICAL JAMB BARS ON EITHER SIDE OF OPENINGS, TYP.
5. FOR OPENINGS THAT INTERUPT REGULARY SPACED VERTICAL BARS, PROVIDE ONE ADDITIONAL BAR AT 8" o.c. ADJACENT TO EACH JAMB FOR EVERY 2 BARS INTERRUPTED BY THE OPENING.
6. PROVIDE ADDL VERTICAL BARS ON EITHER SIDE OF CONTROL JOINT. SEE ARCHITECTURAL DWGS. FOR CONTROL JOINT LAYOUT.
7. PROVIDE CONTINUOUS BOND BEAMS AT TOPS OF WALLS, CHANGE OF CMU THICKNESS, AND AT SLAB LEVEL.
   A. PROVIDE ADDITIONAL CONTINUOUS BOND BEAMS ANYWHERE WHERE THE VERTICAL SPAN BETWEEN BOND BEAMS IS GREATER THAN 10'-0".
   B. ALL MASONRY BOND BEAMS OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, U.N.O.
8. PROVIDE CMU LINTELS PER TYPICAL DETAILS, U.N.O.
   A. WHERE MULTIPLE SAME-HEIGHT OPENINGS WITH LESS THAN 2'-8" OF MASONRY INBETWEEN, PROVIDE A CONTINUOUS LINTEL.
9. HORIZONTAL REINFORCING @ 16" o.c. VERTICALLY, U.N.O. REFER TO SPECIFICATIONS FOR HORIZONTAL REINFORCING INFORMATION.
10. MEP OPENINGS SHALL BE LOCATED NOT TO INTERRUPT REINFORCING. IF REINFORCING IS INTERRUPTED, CONTRACTOR SHALL ADD REINFORCING AT EDGES OF OPENING EQUAL TO SIZE OF INTERRUPTED REINFORCING. PROVIDE CAST-IN-PLACE OR POST INSTALLED DOWELS AT THESE LOCATIONS. NOTE 5 ALSO APPLIES TO MEP OPENINGS.

## 12 S500 TYPICAL CMU WALL REINFORCING

SCALE: N.T.S.




'B' SECTION VIEW

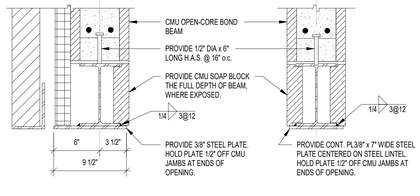



'A' ELEVATION VIEW

NOTES:
1. THIS DETAIL APPLIES TO ALL NEW OPENINGS GREATER THAN 6" REQUIRED IN EXISTING MASONRY WALLS FOR NEW OPENINGS. SEE PLANS FOR SIZES. IF A NEW OPENING IS REQUIRED IN AN EXISTING WALL THAT IS NOT NOTED ON PLANS, CONTACT EOR IMMEDIATELY.
2. MULTIPLE SMALL CLOSE TOGETHER OPENINGS SHALL BE TREATED AS ONE LARGE OPENING.
3. NEW STEEL LINTEL SHALL NOT BEAR ON BRICK. WHERE BRICK IS PRESENT AROUND NEW OPENING, DEMO AS NEEDED AND PROVIDE NEW CMU.
4. FIELD VERIFY ALL EXISTING WALL WIDTHS PRIOR TO SUBMITTING SHOP DRAWINGS.
5. SEE BEAM BEARING PLATE DETAILS SCHEDULE AND NOTES ON S500 FOR LINTEL BEARING AND BEARING PLATE INFORMATION.
6. ALL LINTELS TO HAVE A MINIMUM 8" BEARING AT EACH END. WHERE OPENING SIZE EXCEED 8'-0", PROVIDE 1" OF BEARING PER 1'-0" OF OPENING. i.e. FOR A 10'-0" WIDE OPENING, PROVIDE 10" MINIMUM BEARING ON EACH SIDE OF OPENING.
7. ALL LINTELS AND PLATES LOCATED IN EXTERIOR WALLS ARE TO BE HOT-DIP GALVANIZED.

## 11 S500 NEW LINTEL IN EXISTING WALL

SCALE: N.T.S.



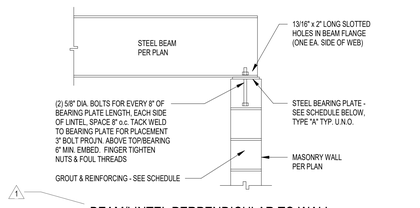

EXTERIOR LINTEL

INTERIOR LINTEL

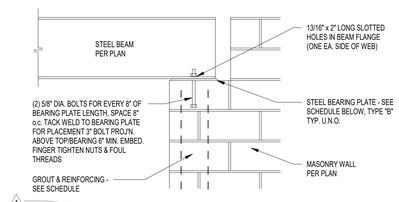
NOTES:
1. APPROX. B.LINTEL ELEVATION ON PLAN REPRESENTS BOTTOM OF STEEL PLATE. COORDINATE ELEVATION WITH ARCH./MEP DWGS.
2. DETAIL IS SIM. FOR HSS LINTELS. PROVIDE FLARE BEVEL WELD IN LIEU OF FILLET FOR LINTEL TO CONT. PLATE.
3. ALL LINTELS AND PLATES LOCATED IN EXTERIOR WALLS TO BE HOT-DIP GALVANIZED.

## 10 S500 TYPICAL STEEL LINTEL

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




BEAM/LINTEL PERPENDICULAR TO WALL



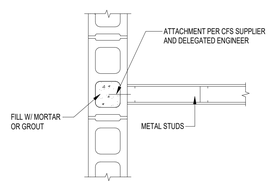

BEAM/LINTEL PARALLEL TO WALL

| BEARING PLATE SCHEDULE | | | |
|---|---|---|---|
| MARK | BEARING PLATE SIZE | GROUT REQUIREMENTS | REINFORCING |
| A | 3/4" x WIDTH[1] x 1'-0" | MIN. 3 COURSES DEEP x 24" LONG | NONE UNLESS LOCATED AT DISCONTIN. END OF WALL (IF SO, PROVIDE (2) FULL-HEIGHT VERTS. & EXTEND GROUT TO FTG.) |
| B | 1/2" x WIDTH[1] x LENGTH[2] | GROUT SOLID TO FTG x 24" LONG | (2) VERTICALS FULL HEIGHT OF WALL. SEE PLANS & DETAILS FOR SIZE. |

NOTES:
1. BEARING PLATE WIDTH TO BE CMU WALL WIDTH -1".
2. ALL LINTELS TO HAVE A MINIMUM 8" BEARING AT EACH END. BEARING PLATE LENGTH TO MATCH REQUIRED LINTEL BEARING, WHERE OPENING SIZE EXCEED 8'-0", PROVIDE 1" OF BEARING PER EVERY FOOT OF OPENING .
3. LUBRICATE BETWEEN BOTTOM OF BEAM & SURFACE OF BEARING PLATE WITH DRY-FILM LUBRICANT.
4. ALL LINTELS AND PLATES LOCATED IN EXTERIOR WALLS ARE TO BE HOT-DIP GALVANIZED.
5. FOR HSS LINTELS, PROVIDE BOLT WELDED TO BOTTOM OF EMBED PLATE. WELD HSS LINTEL TO BEARING PLATE USING FULL LENGTH FLARE BEVEL WELDS.

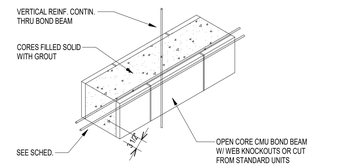
## 9 S500 BEAM/LINTEL BEARING PLATE DETAILS

SCALE: N.T.S.




## 8 S500 CMU WALL - STEEL STUD WALL

SCALE: N.T.S.

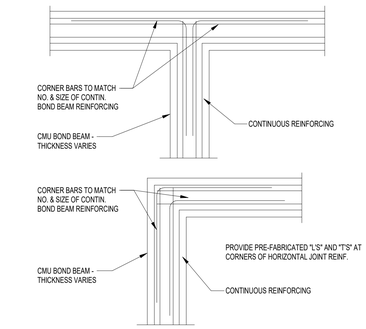



| SCHEDULE | |
|---|---|
| SIZE | REINF. |
| 6" | (1) #5 |
| 8" | (2) #5 |
| 10" | (2) #6 |
| 12" | (2) #6 |

NOTE:
1. USE OPEN CORE BOND BEAMS, TYPICAL EXCEPT FOR LINTELS & OTHER CONDITIONS WHERE BOTTOM OF UNITS WILL BE EXPOSED

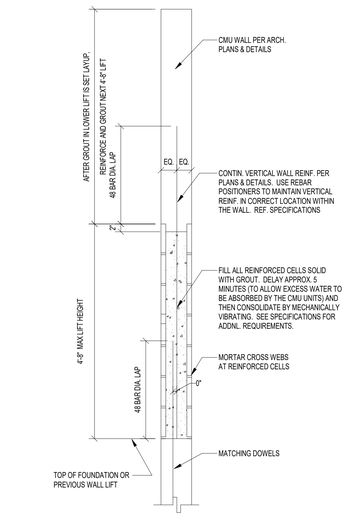
## 7 S500 CMU BOND BEAM DETAILS

SCALE: N.T.S.




## 6 S500 BOND BEAM INTERSECTION DETAILS

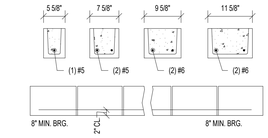
SCALE: N.T.S.




NOTE:
1. HORIZ. JOINT REINFORCING NOT SHOWN FOR CLARITY

## 5 S500 LOW-LIFT WALL CONSTRUCTION

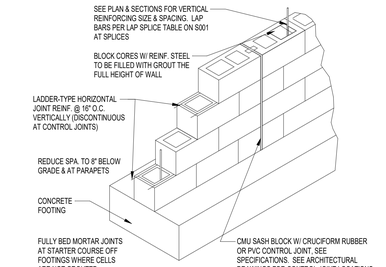
SCALE: N.T.S.




CMU LINTEL NOTES:
1. FILL IS 2,500 PSI (MINIMUM) GROUT.
2. PROVIDE 1" BRG. PER FOOT OF SPAN WITH 8" MIN.
3. LINTELS SHALL BEAR ON SOLIDLY GROUTED CMU.
4. THIS SCHEDULE DOES NOT APPLY TO LOAD BEARING WALLS, UNLESS NOTED OTHERWISE.
5. BOND PATTERN OF LINTEL TO BE RUNNING BOND, U.N.O.
6. BOTTOM OF LINTEL SHALL BE SMOOTH MASONRY WITH NO CORES EXPOSED.
7. CONTRACTOR TO PROVIDE TEMPORARY SHORING UNTIL MASONRY HAS PROPERLY SET (3 DAY MINIMUM).
8. PRECAST LINTELS MAY NOT BE SUBSTITUTED FOR BOND BEAM LINTELS WHERE EXPOSED IN THE FINISHED STRUCTURE.

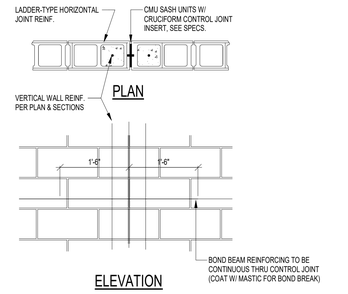
## 4 S500 TYPICAL CMU LINTEL DETAILS

SCALE: N.T.S.




## 3 S500 REINFORCED MASONRY DETAIL

SCALE: N.T.S.

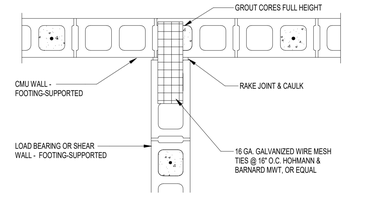



ELEVATION

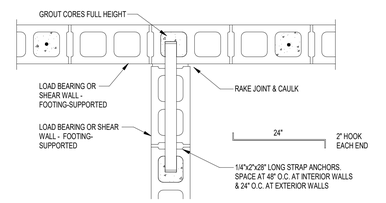
NOTE:
1. BOND BEAM REINFORCEMENT SHALL NOT BE LAPPED WITHIN 8'-0" OF CONTROL JOINT.
2. HORIZ. JOINT REINFORCEMENT TO BE DISCONTINUOUS AT CONTROL JOINTS.

## 2 S500 CMU CONTROL JOINT DETAIL

SCALE: N.T.S.




TYP. AT INTERSECTION BETWEEN FOOTING-SUP'TD. AND THICKENED SLAB-SUPPORTED CMU WALLS




TYPICAL AT INTERSECTION BETWEEN FOOTING-SUPPORTED CMU WALLS

## 1 S500 WALL INTERSECTION DETAILS

SCALE: N.T.S.


LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204
Lynch, Harrison & Brumleve, Inc.


RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

| REVISIONS: | | |
|---|---|---|
| # | Date | Desc. |
| 1 | 07-23-2026 | ADD #02 |
| 2 | 07-27-2026 | ADD#03 |

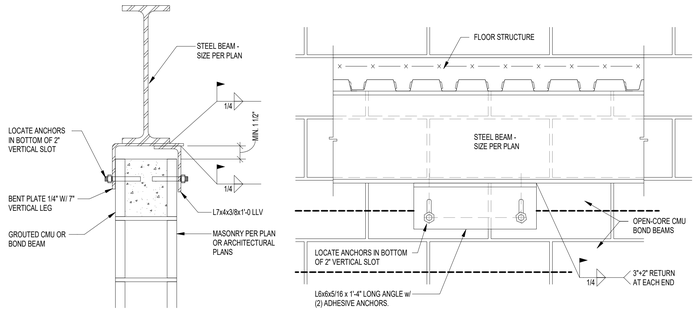
100% CONSTRUCTION DOCUMENTS

| | |
|---|---|
| PROJECT: | #26102 |
| DATE: | 07/03/2026 |
| DRAWN BY: | JDO |

TYPICAL MASONRY DETAILS

S500

PLOT DATE/TIME: 7/27/2026 10:30:04 AM



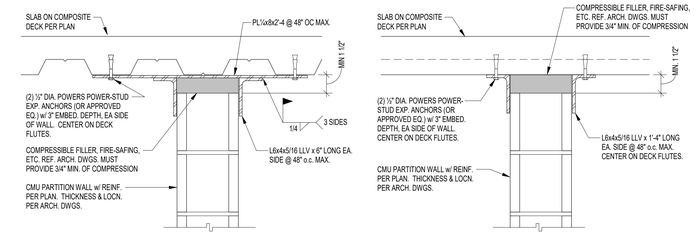

CMU WALL DIRECTLY UNDER STEEL FRAMING

CMU WALL ADJACENT TO STEEL FRAMING

NOTES:
1. PROVIDE ONE OF THESE DETAILS WHERE DISTANCE BTWN. INTERSECTING WALL, PILASTER, OR CORNER EXCEEDS 30 x THE NOMINAL WALL THICKNESS. COORDINATE w/ ARCH. FLOOR PLANS.
2. WHERE DIM. BETWEEN BEAM CENTER LINE & FACE OF WALL IS > 7", PROVIDE BENT PL 1/4" x 6" x 'REQ'D. HORIZ. DIM." IN LIEU OF ANGLE.
3. MAXIMUM SPACING OF ANGLES TO BE 48". PROVIDE MINIMUM (2) PER WALL.
4. PROVIDE 3/4" DIA. ADHESIVE ANCHORS w/ HILTI HIT-HY 200, OR APPROVED EQUAL w/ 6" MIN. EMBED. INTO GROUTED MASONRY.
5. FINGER-TIGHTEN NOT & FOUL THREADS OR DOUBLE-NUT TO PREVENT BACKOFF.
6. IF PROVISIONS IN SPECIFIC SECTIONS CONTRAST WITH THIS TYPICAL DETAIL, THE REQUIREMENTS OF THE SPECIFIC DETAIL CONTROL.
7. CMU WALLS WITH FREE ENDS (i.e. ENDS THAT DO NOT RUN PERPENDICULAR INTO ANOTHER CMU WALL) REQUIRE A LATERAL SUPPORT AT A MAX. OF 3'-0" AWAY FROM THE FREE END. FOR WALLS THAT HAVE FREE ENDS ON BOTH SIDES, A MINIMUM OF (2) LATERAL SUPPORTS ARE REQUIRED.

## 4 / S501 CMU LATERAL SUPPORT DETAIL

SCALE: N.T.S.



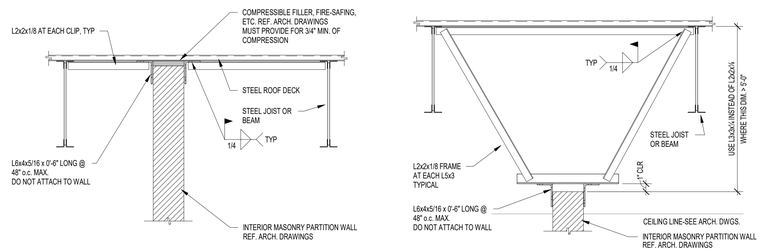

CMU WALL PARALLEL TO DECK SPAN

CMU WALL PERP. TO DECK SPAN

NOTE:
1. PROVIDE ONE OF THESE DETAILS WHERE DISTANCE BTWN. INTERSECTING WALL, PILASTER, OR CORNER EXCEEDS 30 x THE NOMINAL WALL THICKNESS. COORDINATE w/ ARCH. FLOOR PLANS.
2. CMU WALLS WITH FREE ENDS (i.e. ENDS THAT DO NOT RUN PERPENDICULAR INTO ANOTHER CMU WALL OR FORM A CORNER WITH ANOTHER CMU WALL) REQUIRE A LATERAL SUPPORT AT A MAX. OF 3'-0" AWAY FROM THE FREE END. FOR WALLS THAT HAVE FREE ENDS ON BOTH SIDES, A MINIMUM OF (2) LATERAL SUPPORTS ARE REQUIRED.

## 3 / S501 CMU PARTITION LATERAL SUPPORT AT SLAB ON DECK

SCALE: N.T.S.



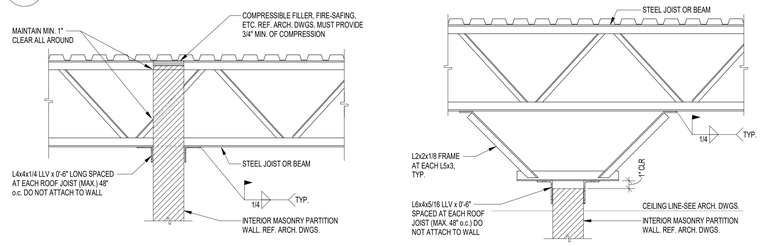

WALL EXTENDED TO BOTTOM OF STRUCTURE
WALL PARALLEL TO PURLINS

WALL EXTENDED TO ABOVE CEILING
WALL PARALLEL TO PURLINS

NOTE:
1. PROVIDE ONE OF THESE DETAILS WHERE DISTANCE BTWN. INTERSECTING WALL, PILASTER, OR CORNER EXCEEDS 30 x THE NOMINAL WALL THICKNESS. COORDINATE w/ ARCH. FLOOR PLANS.
2. CMU WALLS WITH FREE ENDS (i.e. ENDS THAT DO NOT RUN PERPENDICULAR INTO ANOTHER CMU WALL OR FORM A CORNER WITH ANOTHER CMU WALL) REQUIRE A LATERAL SUPPORT AT A MAX. OF 3'-0" AWAY FROM THE FREE END. FOR WALLS THAT HAVE FREE ENDS ON BOTH SIDES, A MINIMUM OF (2) LATERAL SUPPORTS ARE REQUIRED.

## 2 / S501 CMU PARTITION BRACING DETAILS - PARALLEL TO PURLINS

SCALE: N.T.S.



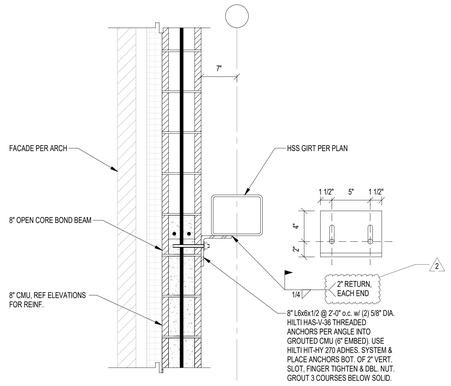

WALL EXTENDED TO BOTTOM OF STRUCTURE
WALL PERPENDICULAR TO PURLINS

WALL EXTENDED TO ABOVE CEILING
WALL PERPENDICULAR TO PURLINS

NOTE:
1. PROVIDE ONE OF THESE DETAILS WHERE DISTANCE BTWN. INTERSECTING WALL, PILASTER, OR CORNER EXCEEDS 30 x THE NOMINAL WALL THICKNESS. COORDINATE w/ ARCH. FLOOR PLANS.
2. CMU WALLS WITH FREE ENDS (i.e. ENDS THAT DO NOT RUN PERPENDICULAR INTO ANOTHER CMU WALL OR FORM A CORNER WITH ANOTHER CMU WALL) REQUIRE A LATERAL SUPPORT AT A MAX. OF 3'-0" AWAY FROM THE FREE END. FOR WALLS THAT HAVE FREE ENDS ON BOTH SIDES, A MINIMUM OF (2) LATERAL SUPPORTS ARE REQUIRED.

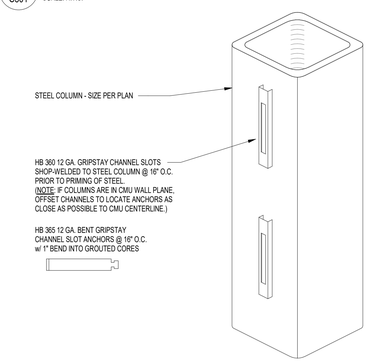
## 1 / S501 CMU PARTITION BRACING DETAILS - PERPENDICULAR TO PURLINS

SCALE: N.T.S.




## 7 / S501 GIRT TO CMU CONNECTION

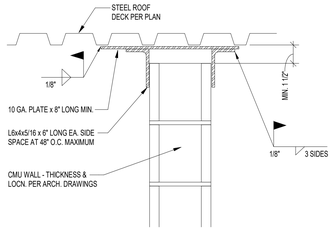
SCALE: N.T.S.




NOTES:
1. PROVIDE RIGID ANCHORS AT ALL STEEL COLUMNS THAT COME INTO CONTACT WITH OR BYPASS MASONRY, TYPICAL UNLESS NOTED OTHERWISE.
2. MAINTAIN MIN. 1" CLEARANCE BETWEEN STEEL AND CMU.
3. ALL ANCHORS SHALL BE HOT-DIP GALV. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

## 6 / S501 ADJUSTABLE RIGID TIE DETAIL

SCALE: N.T.S.

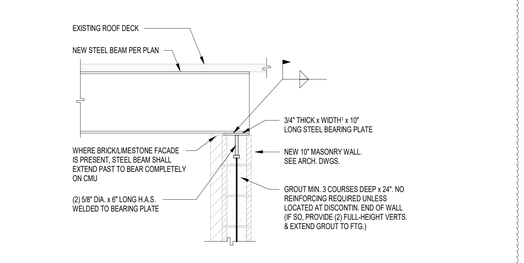



NOTE:
1. PROVIDE THIS DETAIL WHERE DISTANCE BTWN. INTERSECTING WALL, PILASTER, OR CORNER EXCEEDS 30 x THE NOMINAL WALL THICKNESS. COORDINATE w/ ARCH. FLOOR PLANS
2. CMU WALLS WITH FREE ENDS (i.e. ENDS THAT DO NOT RUN PERPENDICULAR INTO ANOTHER CMU WALL OR FORM A CORNER WITH ANOTHER CMU WALL) REQUIRE A LATERAL SUPPORT AT A MAX. OF 3'-0" AWAY FROM THE FREE END. FOR WALLS THAT HAVE FREE ENDS ON BOTH SIDES, A MINIMUM OF (2) LATERAL SUPPORTS ARE REQUIRED.

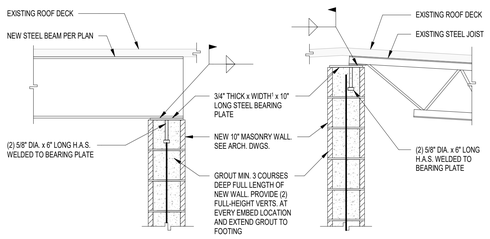
## 5 / S501 CMU LATERAL SUPPORT DETAIL

SCALE: N.T.S.

2




NEW BEAM BEARING ON EXISTING CMU WALL




NEW BEAM AND EXISTING JOIST BEARING ON NEW 10" CMU

NOTES:
1. BEARING PLATE WIDTH TO BE CMU WALL WIDTH -1".

## 9 / S501 UNIT E.2 - BEAM AND EX. JOIST BEARING PLATE DETAILS

SCALE: 3/4" = 1'-0"

PLOT DATE/TIME: 7/27/2026 10:30:06 AM

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Harrison & Brumleve, Inc.

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEWIS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Lewis
JULY 03, 2026

| REVISIONS: | | | |
|---|---|---|---|
| # | Date | Desc. | |
| 2 | 07-27-2026 | ADD#03 | |

100% CONSTRUCTION DOCUMENTS

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|---|---|
| PROJECT: | #26102 |
| DATE: | 07/03/2026 |
| DRAWN BY: | JDO |

TYPICAL MASONRY DETAILS

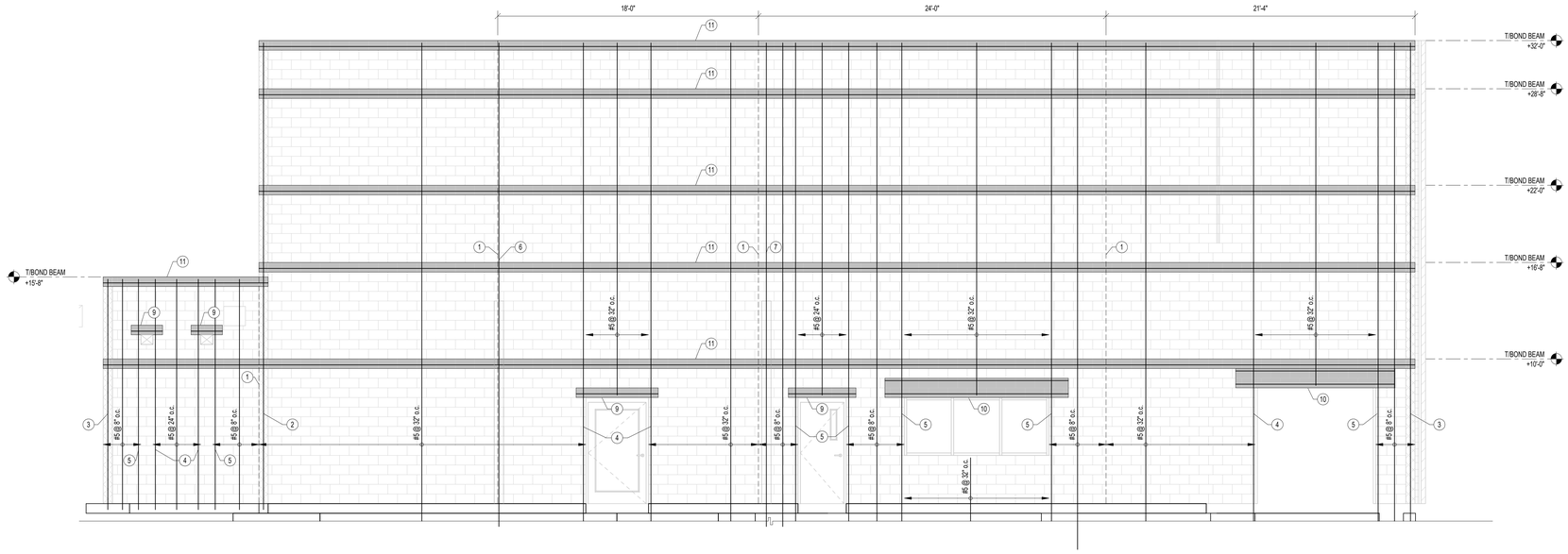
S501

## MASONRY WALL ELEVATION NOTES

1. REFER TO THE 'REINFORCED MASONRY NOTES' ON SHEET S001 FOR GENERAL MASONRY REQUIREMENTS.
2. HORIZONTAL REINFORCING NOT SHOWN IN ELEVATIONS FOR CLARITY. PROVIDE W1.7 HORIZONTAL LADDER REINFORCING @ 16" o.c., TYP. AND @ 8" o.c. AT ALL PARAPETS.
3. FOR CLARITY, VERTICAL REINFORCING BARS ARE SHOWN FULL HEIGHT INTO CONCRETE STEM WALL & CONCRETE WALL REINFORCING IS NOT SHOWN. LAPS FOR VERTICAL BARS ARE NOT SHOWN. VERTICAL BARS SHOULD BE SEGMENTED AND LAPPED PER NOTES AND TYPICAL DETAILS.
4. CORES ARE TO BE GROUTED SOLID AT ALL BAR LOCATIONS.
5. COORDINATE WALL AND OPENING DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
6. CONCRETE WALLS AND FOOTINGS BELOW MASONRY NOT FULLY SHOWN FOR CLARITY. CONCRETE REINFORCING NOT SHOWN FOR CLARITY.

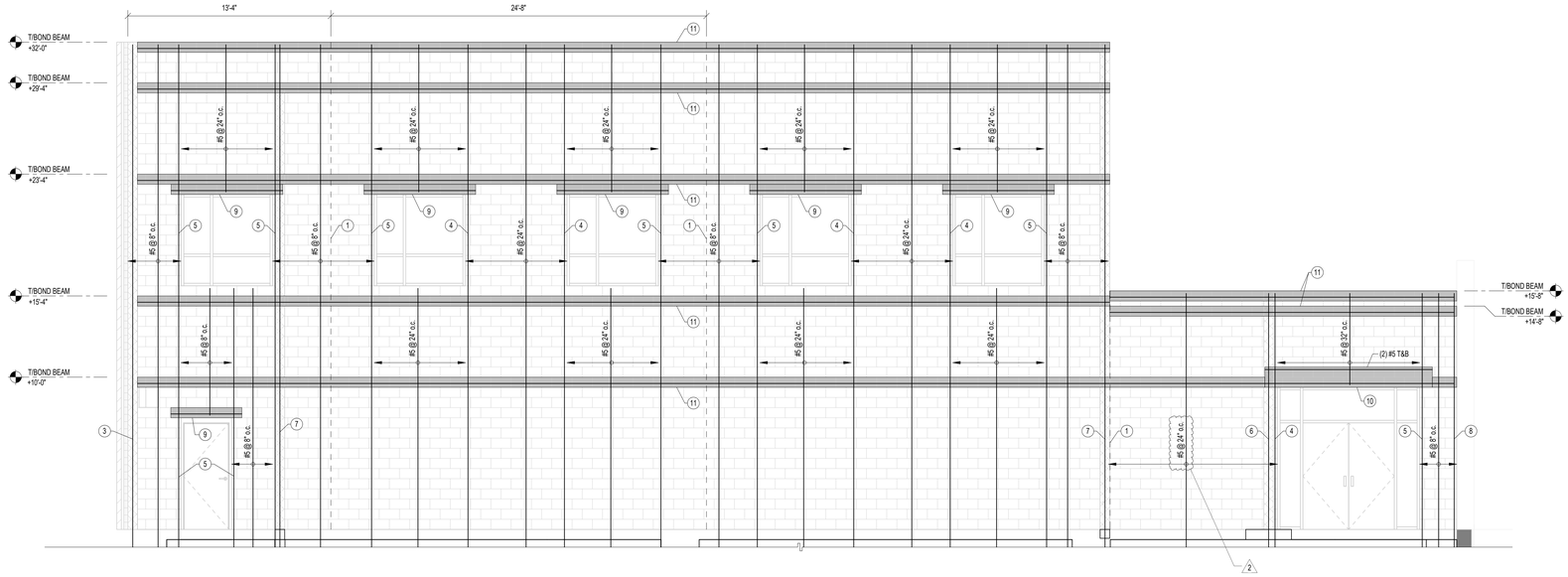
## (1) CMU SHEAR WALL ELEVATION KEY NOTES

| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | CMU CONTROL JOINT. ADDITIONAL REINFORCING AT CONTROL JOINT NOT SHOWN FOR CLARITY.SEE S500 FOR DETAILS OF CONTROL JOINTS AND ADDITIONAL REINFORCING. |
| 2 | ADDITIONAL FULL HEIGHT VERTICAL CORNER BAR PER TYPICAL DETAILS ON S500. |
| 3 | ADDITIONAL FULL HEIGHT VERTICAL CORNER BAR NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL BAR. |
| 4 | ADDITIONAL FULL HEIGHT VERTICAL JAMB BAR PER TYPICAL DETAILS ON S500. |
| 5 | ADDITIONAL FULL HEIGHT VERTICAL JAMB BAR NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL BAR. |
| 6 | ADDITIONAL FULL HEIGHT VERTICAL INTERSECTING WALL BAR PER TYPICAL DETAILS ON S500. |
| 7 | ADDITIONAL FULL HEIGHT VERTICAL INTERSECTING WALL BAR NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL BAR. |
| 8 | ADDITIONAL FULL HEIGHT VERTICAL END OF WALL BAR NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL BAR. |
| 9 | MASONRY LINTEL PER TYPICAL DETAILS ON S500. REINFORCING PER DETAILS U.N.O. |
| 10 | MASONRY LONG LINTEL PER TYPICAL DETAILS ON S500. REINFORCING PER DETAILS U.N.O. |
| 11 | CMU OPEN-CORE BOND BEAM AND REINFORCING PER TYPICAL DETAILS ON S500. |
| 12 | MASONRY LONG LINTEL PER TYPICAL DETAILS ON S500 INTEGRAL WITH BOND BEAM. REINFORCING PER DETAILS U.N.O. LONG LINTEL TO BE CONTINUOUS FULL WIDTH OF SECOND FLOOR AREA OF SHEAR WALL. |




2 S510 SCALE: 1/4" = 1'-0"

## SHEARWALL ELEVATION - COLUMN LINE 6




1 S510 SCALE: 1/4" = 1'-0"

## SHEARWALL ELEVATION - COLUMN LINE 1

PLOT DATE/TIME 7/27/2026 10:30:59 AM

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Harrison & Brumleve, Inc.

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Levitus
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 2 | 07-27-2026 | ADDM03 |

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07/03/2026
DRAWN BY: JDO

SHEARWALL ELEVATIONS

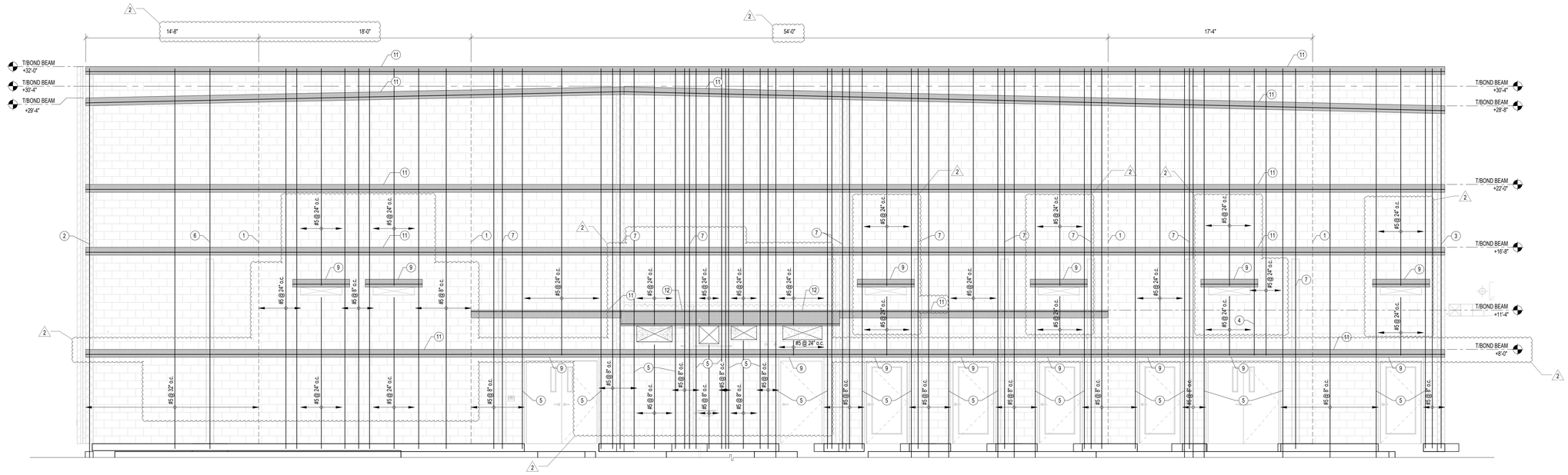
S510

## MASONRY WALL ELEVATION NOTES

1. REFER TO THE 'REINFORCED MASONRY NOTES' ON SHEET S001 FOR GENERAL MASONRY REQUIREMENTS.
2. HORIZONTAL REINFORCING NOT SHOWN IN ELEVATIONS FOR CLARITY. PROVIDE W1.7 HORIZONTAL LADDER REINFORCING @ 16" o.c. TYP. AND @ 8" o.c. AT ALL PARAPETS.
3. FOR CLARITY, VERTICAL REINFORCING BARS ARE SHOWN FULL HEIGHT INTO CONCRETE STEM WALL & CONCRETE WALL REINFORCING IS NOT SHOWN. LAPS FOR VERTICAL BARS ARE NOT SHOWN. VERTICAL BARS SHOULD BE SEGMENTED AND LAPPED PER NOTES AND TYPICAL DETAILS.
4. CORES ARE TO BE GROUTED SOLID AT ALL BAR LOCATIONS.
5. COORDINATE WALL AND OPENING DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
6. CONCRETE WALLS AND FOOTINGS BELOW MASONRY NOT FULLY SHOWN FOR CLARITY. CONCRETE REINFORCING NOT SHOWN FOR CLARITY.

## ① CMU SHEAR WALL ELEVATION KEY NOTES

| KEYNOTE NUMBER | KEYNOTE DESCRIPTION |
|---|---|
| 1 | CMU CONTROL JOINT. ADDITIONAL REINFORCING AT CONTROL JOINT NOT SHOWN FOR CLARITY. SEE S500 FOR DETAILS OF CONTROL JOINTS AND ADDITIONAL REINFORCING. |
| 2 | ADDITIONAL FULL HEIGHT VERTICAL CORNER BAR PER TYPICAL DETAILS ON S500. |
| 3 | ADDITIONAL FULL HEIGHT VERTICAL CORNER BAR NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL BAR. |
| 4 | ADDITIONAL FULL HEIGHT VERTICAL JAMB BAR PER TYPICAL DETAILS ON S500. |
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| 6 | ADDITIONAL FULL HEIGHT VERTICAL INTERSECTING WALL BAR PER TYPICAL DETAILS ON S500. |
| 7 | ADDITIONAL FULL HEIGHT VERTICAL INTERSECTING WALL BAR NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL BAR. |
| 8 | ADDITIONAL FULL HEIGHT VERTICAL END OF WALL BAR NEED NOT BE ADDED IN CELLS THAT ALREADY CONTAIN A VERTICAL BAR. |
| 9 | MASONRY LINTEL PER TYPICAL DETAILS ON S500. REINFORCING PER DETAILS U.N.O. |
| 10 | MASONRY LONG LINTEL PER TYPICAL DETAILS ON S500. REINFORCING PER DETAILS U.N.O. |
| 11 | CMU OPEN-CORE BOND BEAM AND REINFORCING PER TYPICAL DETAILS ON S500. |
| 12 | MASONRY LONG LINTEL PER TYPICAL DETAILS ON S500 INTEGRAL WITH BOND BEAM REINFORCING PER DETAILS U.N.O. LONG LINTEL TO BE CONTINUOUS FULL WIDTH OF SECOND FLOOR AREA OF SHEAR WALL. |




1 S511 SHEARWALL ELEVATION - COLUMN LINE C
SCALE: 1/4" = 1'-0"


LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Harrison & Brumleve, Inc.


RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
JULY 03, 2026

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 2 | 07-27-2026 | ADDM03 |

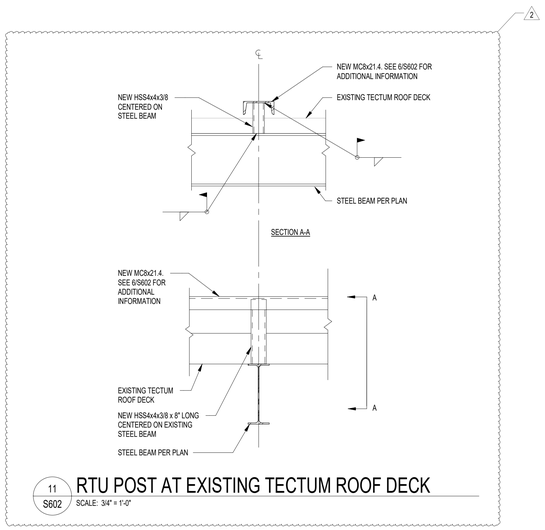
100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07/03/2026
DRAWN BY: JDO

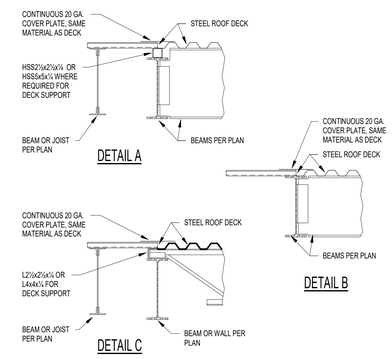
SHEARWALL ELEVATIONS

S511

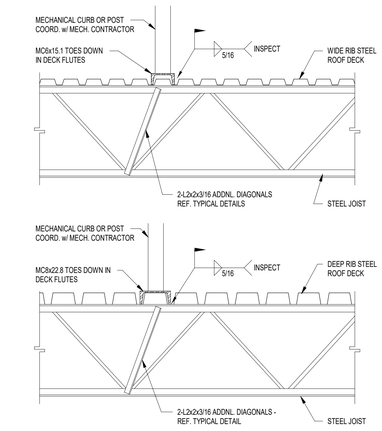
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11 S602 RTU POST AT EXISTING TECTUM ROOF DECK
SCALE: 3/4" = 1'-0"

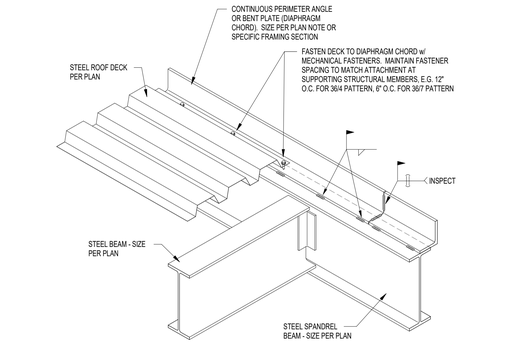



8 S602 CHANGE OF ROOF DECK DIRECTION
SCALE: N.T.S.

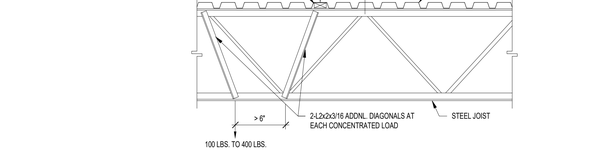



NOTE:
1. USE C12x20.7 WHEN WIDTH OF CURB OR POST IS TOO WIDE FOR MC6

6 S602 ROOFTOP UNIT CURB SUPPORT DETAIL
SCALE: N.T.S.

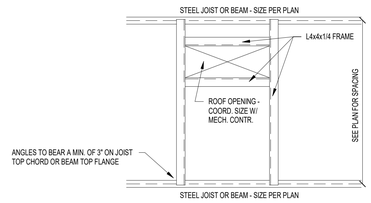



3 S602 DIAPHRAGM CHORD DETAIL
SCALE: N.T.S.

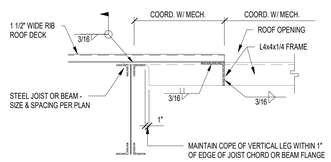



NOTES:
1. LOADS LESS THAN 100 LBS. MAY BE LOCATED ANYWHERE ALONG THE TOP OR BOTTOM CHORD OF THE JOIST WITHOUT REQUIRING REINFORCEMENT.
2. PROVIDE THIS DETAIL WHERE SUSPENDED EQUIPMENT, MECHANICAL UNIT, OR PIPING IMPARTS A CONCENTRATED LOAD OF BTWN. 100 AND 400 LBS. IF THE LOAD IS APPLIED WITHIN 6" OF A TOP OR BOTTOM CHORD PANEL POINT, NO REINFORCEMENT IS REQUIRED.
3. NO CONCENTRATED LOADS GREATER THAN 400 LBS. WILL BE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

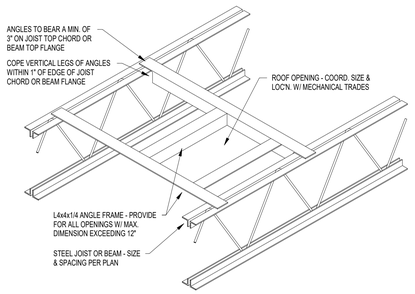
10 S602 JOIST CONCENTRATED LOAD DETAIL
SCALE: N.T.S.




PLAN



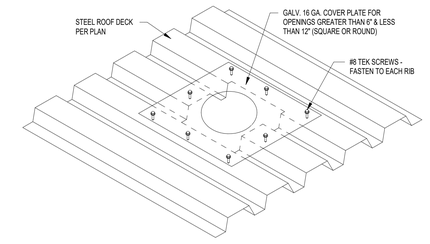

SECTION




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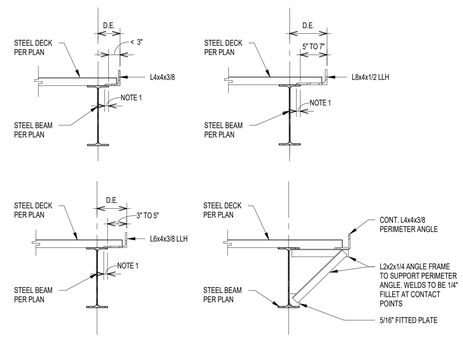
NOTES:
1. PROVIDE ANGLE FRAME AS SHOWN FOR ALL ROOF OPENINGS IN 1 1/2" WIDE-RIB DECK WITH MAXIMUM DIMENSION EXCEEDING 1'-0".
2. USE L4x4x1/4 TYPICAL.
3. COORDINATE LOCATION OF ROOF OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.
4. AT ROOF ACCESS HATCH, PROVIDE CHANNEL FRAME INSTEAD OF ANGLE FRAME (REF. TO FLOOR FRAME DETAIL).

7 S602 ROOF OPENING FRAME DETAIL - 1½" DECK
SCALE: N.T.S.



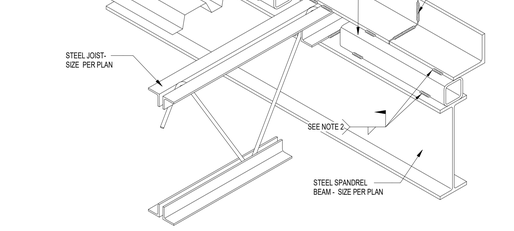

NOTE:
1. HOLES LESS THAN 6" IN WIDTH (ONE RIB REMOVED) DO NOT REQUIRE REINFORCEMENT. REF. TYPICAL ROOF OPENING FRAME DETAIL FOR OPENINGS w/ MAX. DIMENSION EXCEEDING 12"
2. PROVIDE SIMILAR COVER PLATE DETAIL COVER PLATE DETAIL FOR SINGLE DAMAGED RIB - CONSULT ENGINEER FOR DIRECTION WHERE MORE THAN ONE ADJ. RIB IS DAMAGED

5 S602 SMALL ROOF OPENING DETAIL
SCALE: N.T.S.



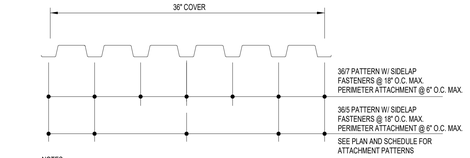

NOTES:
1. ENSURE PERIMETER ANGLE OVERLAPS BEAM FLANGE A MINIMUM OF 1"
2. D.E. = DECK EDGE. SEE PLANS OR SECTIONS FOR EDGE OF DECK DIMENSION.
3. DETAILS ARE SIMILAR FOR DECK PARALLEL TO BEAM.
4. THE FABRICATOR & ERECTOR SHALL COORDINATE ALL FIELD WELDING VS. SHOP WELDING AT THE TIME OF BIDDING. LACK OF FIELD WELD SYMBOLS ON SPECIFIC SECTIONS DOES NOT RELIEVE THE FABRICATOR/ ERECTOR FROM THE RESPONSIBILITY TO MAINTAIN TOLERANCES.
5. WHERE PERIMETER ANGLE ATTACHES TO CMU, PROVIDE A 6" VERTICAL LEG IN LIEU OF 4" FOR TOLERANCE.

4 S602 PERIMETER ANGLE DETAIL
SCALE: N.T.S.




NOTES:
1. ATTACHMENT OF JOIST TO SUPPORTING SPANDREL BEAM PER SJI REQUIREMENTS
2. WELDS OF DIAPHRAGM CHORD-TO-COLLECTOR & COLLECTOR-TO-SPANDREL BEAM TO MATCH CAPACITY OF DECK-TO-DIAPHRAGM CHORD ATTACHMENT

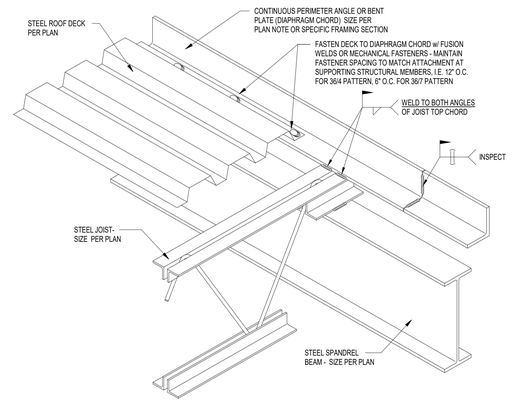
2 S602 PERIMETER ROOF FRAMING DETAIL w/ COLLECTOR
SCALE: N.T.S.




NOTES:
1. 1 1/2", 20 GA. GRADE 50 GALVANIZED AND PRIME PAINTED WIDE RIB STEEL ROOF DECK. CLEAN, TREAT, AND PRIME.
2. MECHANICAL FASTENERS SHALL BE USED IN LIEU OF WELDS.
3. USE THE FOLLOWING HILTI POWER ACTUATED FASTENERS:
   X-HSN 24 FOR OPEN-WEB STEEL JOISTS & STRUCTURAL STEEL 1/8" ≤ 't' ≤ 3/8"
   X-ENP-19 L15 FOR HEAVY OPEN-WEB STEEL JOISTS & STRUCTURAL STEEL 't' ≥ 1/4"
   S-SLC 01 M HWH SIDELAP FASTENERS
4. ACCEPTABLE ALTERNATE: PNEUTEK AIR/SAFE FASTENING SYSTEM.
5. SUBMIT PROPOSED FASTENERS & TECHNICAL DATA FOR REVIEW.
6. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. REF. DECK TYPE ◄ (R15) ► ON THE FRAMING PLANS. ARROWS INDICATE SPAN DIRECTION.

MAXIMUM CONSTRUCTION CLEAR SPANS SHALL NOT EXCEED THE FOLLOWING:
SINGLE SPAN: 10'-1"
DOUBLE SPAN: 12'-5"
TRIPLE SPAN: 12'-5"
SPANS SHOWN ARE BASED ON VULCRAFT 1 1/2" B 20 GA. DECK. THE CONTRACTOR MUST CONFIRM THAT ALTERNATE DECK PRODUCTS MEET OR EXCEED THE SPANS SHOWN OR ARE ACCEPTABLE FOR THE GIVEN SPANS ON THE FRAMING PLANS.

9 S602 1 1/2" WIDE RIB STEEL ROOF DECK
SCALE: N.T.S.




NOTE:
1. ATTACHMENT OF JOIST TO SUPPORTING SPANDREL BEAM PER SJI REQUIREMENTS

1 S602 PERIMETER ROOF FRAMING DETAIL
SCALE: N.T.S.

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204
Lynch, Harrison & Brumleve, Inc.

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEWIS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Lewis
JULY 03, 2026

REVISIONS:

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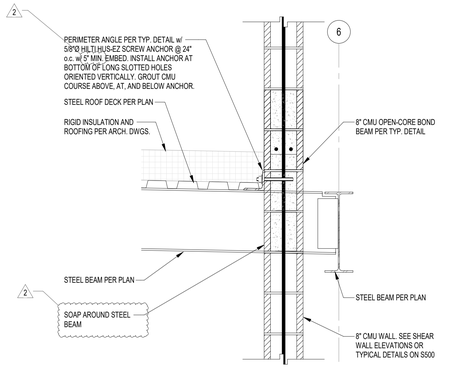
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| DATE: | 07/03/2026 |
| DRAWN BY: | JDO |

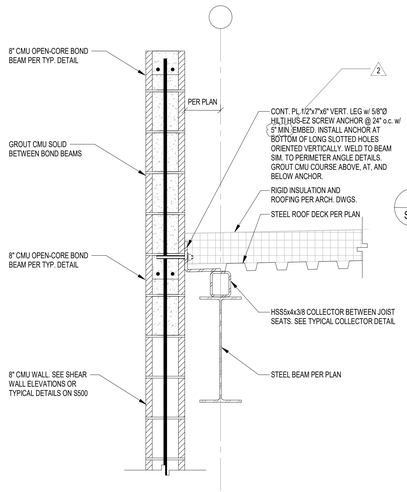
TYPICAL FRAMING DETAILS

S602

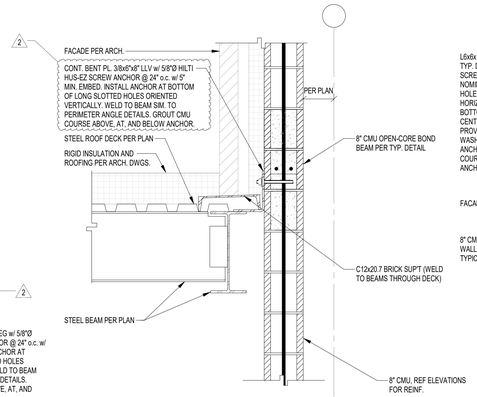
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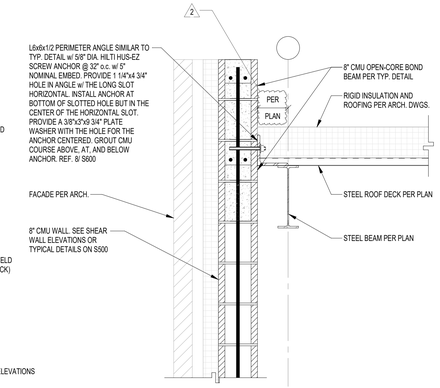

18 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



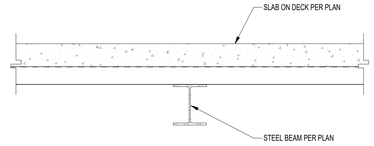

15 S610 FRAMING SECTION
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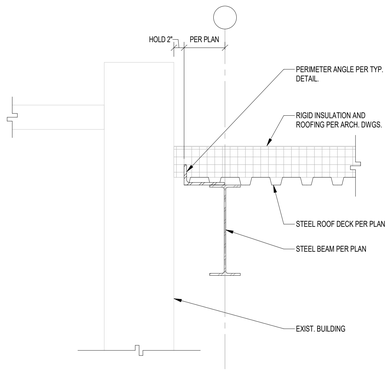

12 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



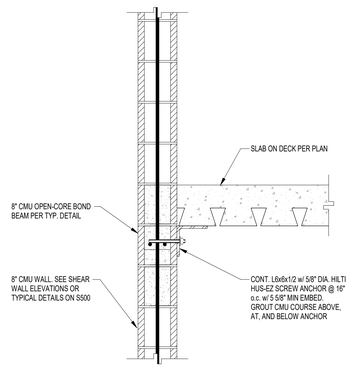

8 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



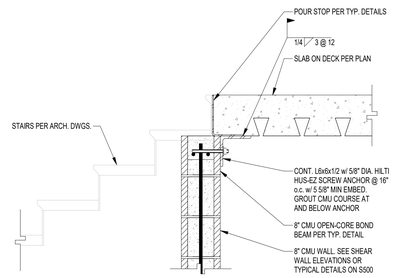

4 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



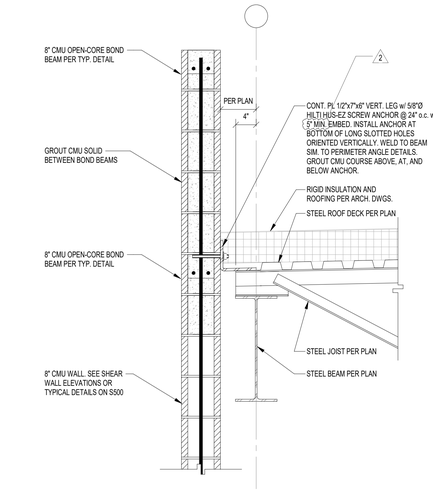

11 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



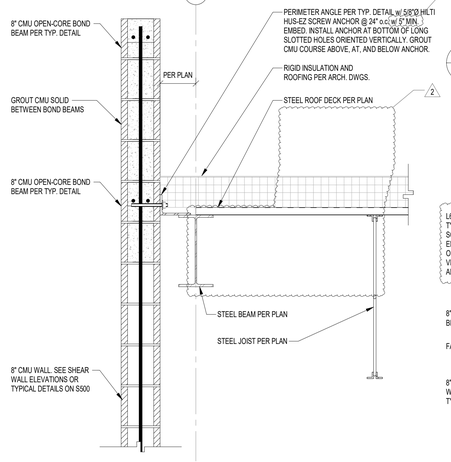

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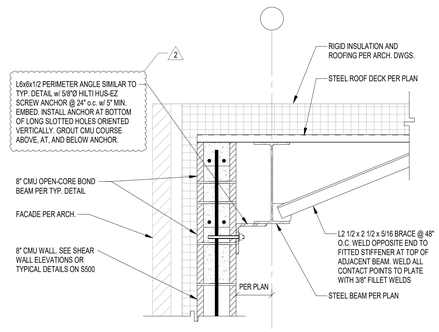

3 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



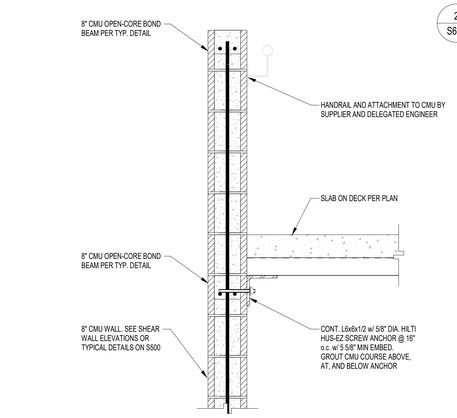

16 S610 FRAMING SECTION
SCALE: 1" = 1'-0"



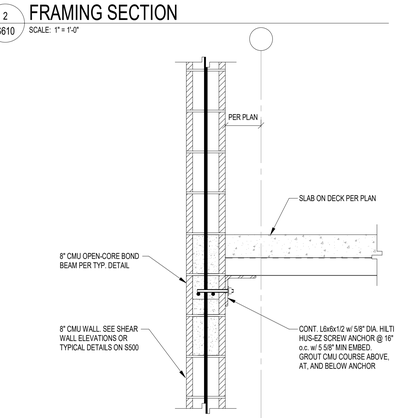

14 S610 FRAMING SECTION
SCALE: 1" = 1'-0"




10 S610 FRAMING SECTION
SCALE: 1" = 1'-0"




5 S610 FRAMING SECTION
SCALE: 1" = 1'-0"




1 S610 FRAMING SECTION
SCALE: 1" = 1'-0"

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LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Harrison & Brumleve, Inc.

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEWTES
REGISTERED
No. PE12300430
STATE OF INDIANA
PROFESSIONAL ENGINEER
Daniel Jack Lewtes
JULY 03, 2026

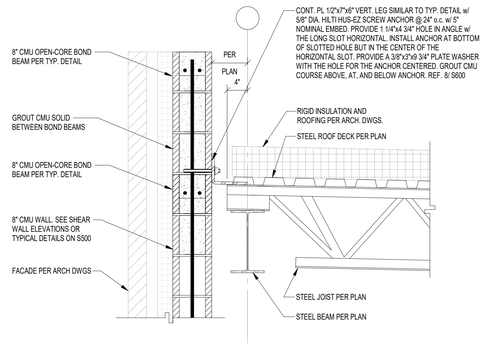
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| DATE: | 07/03/2026 |
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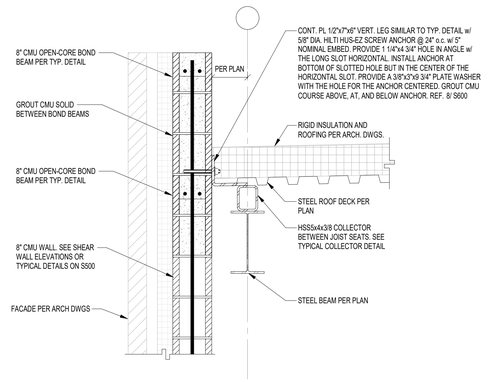
FRAMING SECTIONS

S610




2 S611 **FRAMING SECTION 16**

SCALE: 1" = 1'-0"




1 S611 **FRAMING SECTION 15**

SCALE: 1" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Harrison & Brumleve, Inc.

# RICHLAND-BEAN BLOSSOM CSC
# ADDITION/RENOVATION TO EDGEWOOD HS
# 601 EDGEWOOD DR,
# ELLETTSVILLE, IN 47429

DANIEL JACK LEVITUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER

Daniel Jack Levitus

JULY 03, 2026

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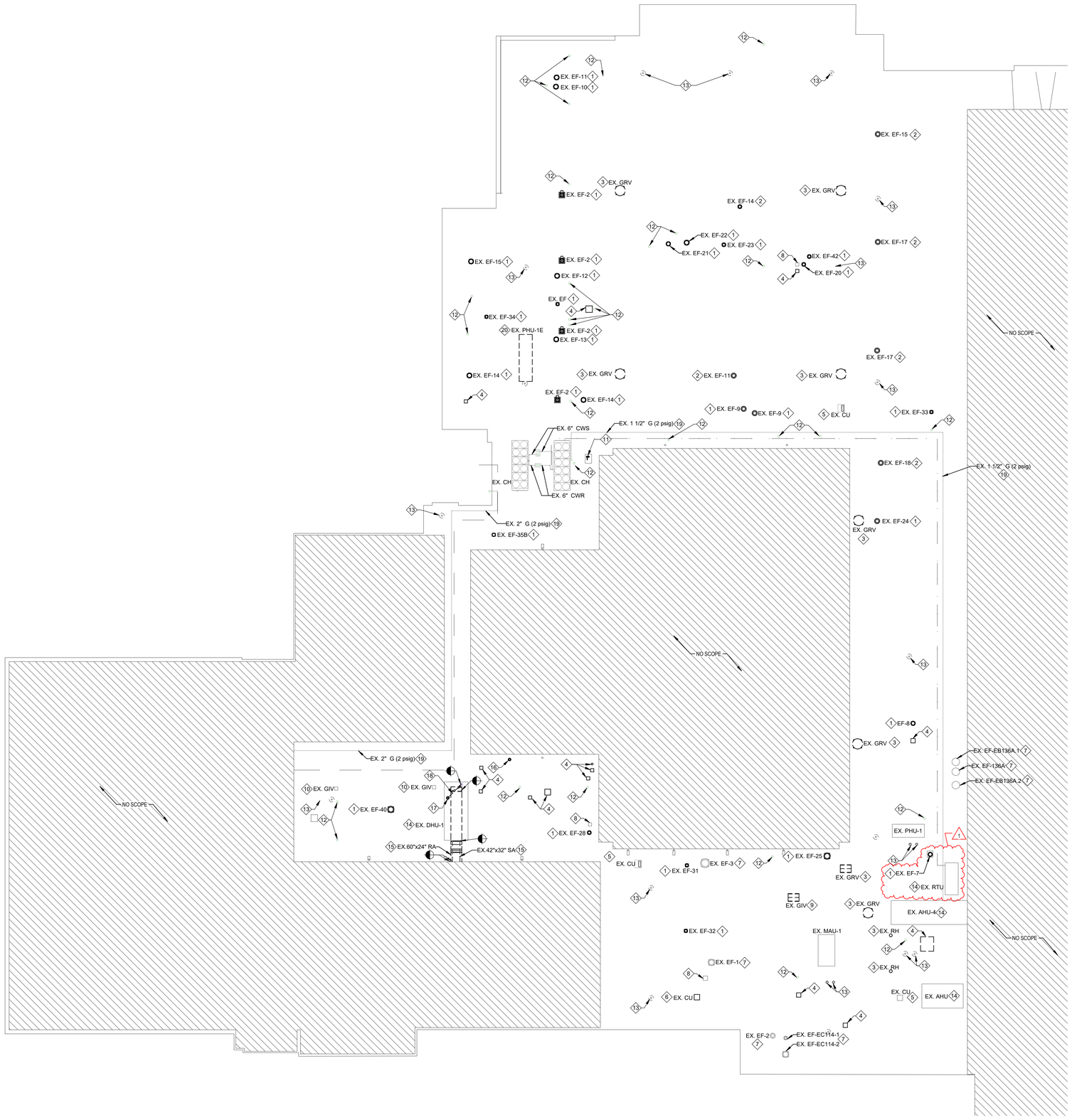
S611

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REROOF PORTION OF PROJECT ONLY

## DEMOLITION ROOF PLAN NOTES

1 REMOVE EXISTING EXHAUST FAN AND CURB COMPLETE. PREPARE TO INSTALL NEW.
2 REMOVE EXISTING EXHAUST FAN AND CURB COMPLETE. SEE ARCHITECTURAL PLANS FOR COVERING AND SEALING OF EXISTING OPENINGS.
3 REMOVE EXISTING GRAVITY RELIEF HOOD AND CURB COMPLETE. PREPARE TO INSTALL NEW.
4 REMOVE EXISTING CURB AND CAP COMPLETE.
5 EXISTING CONDENSING UNIT AND EQUIPMENT RAILS REMAIN.
6 TEMPORARILY REMOVE EXISTING CONDENSING UNIT. PREPARE TO REINSTALL ON NEW EQUIPMENT RAILS.
7 EXISTING EXHAUST FAN REMAINS.
8 EXISTING VENT REMAINS.
9 REMOVE EXISTING GRAVITY INTAKE VENT. PREPARE TO INSTALL NEW.
10 EXISTING GRAVITY INTAKE VENT REMAINS.
11 REMOVE EXISTING BOILER COMBUSTION AIR INTAKES AND BOILER FLUES.
12 EXISTING PLUMBING VENTS REMAIN.
13 EXISTING ROOF DRAINS REMAIN.
14 EXISTING AIR HANDLING UNIT REMAINS.
15 REMOVE EXISTING SUPPLY AND RETURN AIR DUCT FOR RE-ROOFING.
16 REMOVE EXISTING STORM PIPING TO BELOW ROOF AND CAP.
17 EXISTING ROOF DRAIN LOCATED UNDER EXISTING RTU TO BE REMOVED COMPLETE. REMOVE ASSOCIATED STORM PIPING BACK TO STORM RISER IN CEILING SPACE BELOW AND PREPARE FOR NEW CONNECTION.
18 EXISTING STORM PIPING TO BE REMOVED, LOCATED IN CEILING SPACE BELOW.
19 REMOVE PIPE SUPPORTS AND TEMPORARILY SUPPORT NATURAL GAS PIPING FOR ROOF REPLACEMENT.
20 REMOVE AIR HANDLING UNIT PHU-1E AND CURB COMPLETE. DISCONNECT HEATING WATER AND CHILLED WATER PIPING TO POINT INDICATED ON DRAWING MD101.




**1 MECHANICAL DEMOLITION ROOF PLAN**
1" = 20'-0"


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RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

GABRIEL S. CURTIS
REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

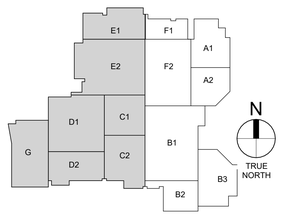
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MECHANICAL DEMOLITION REROOF PLAN

MD102



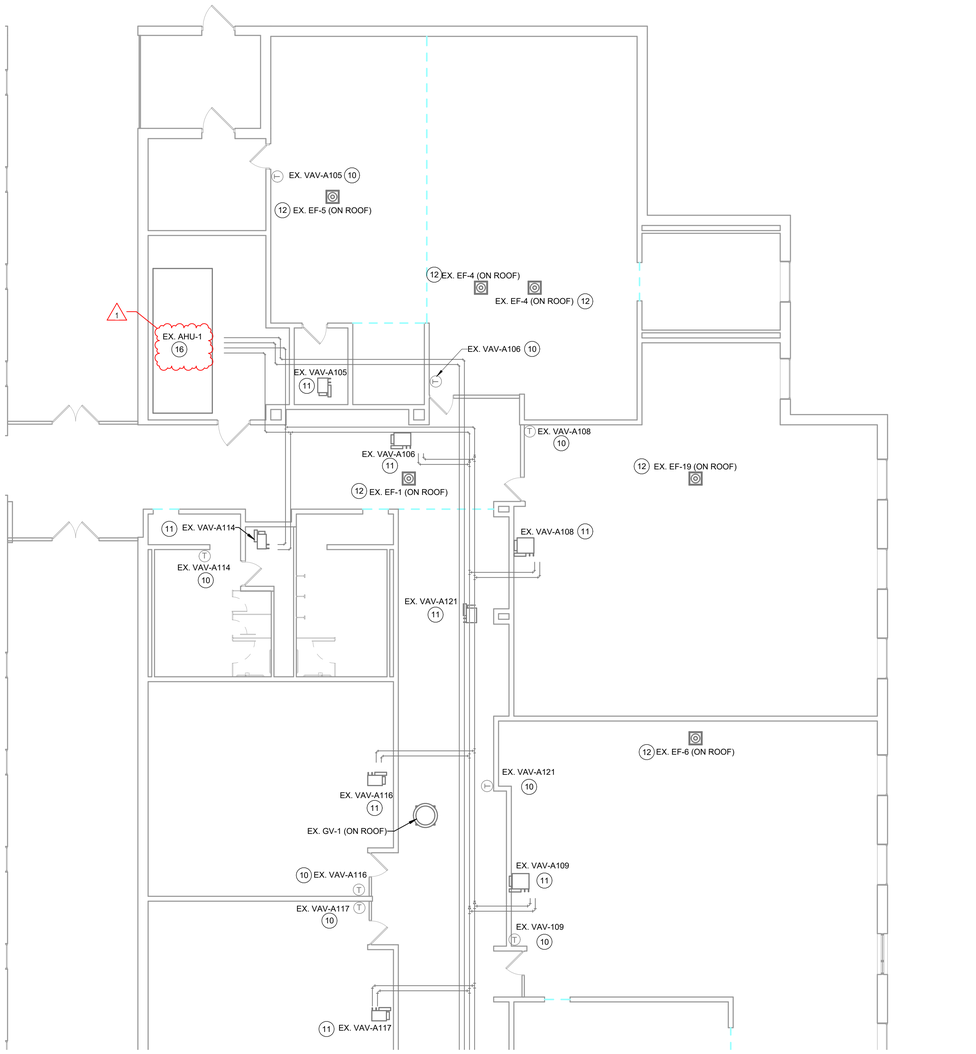

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## GENERAL PIPING NOTES

A DARK LINES INDICATE NEW WORK.
B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.
C PROVIDE SHUTOFF VALVES AT EVERY BRANCH CONNECTION TO A MAIN.
D NEW SHUTOFF VALVES SHALL BE INSTALLED FOR ALL NEW HYDRONIC EQUIPMENT.

## MECHANICAL PIPING PLAN NOTES

1 UNIT MOUNT THERMOSTAT TO UNIT HEATER. MOUNT BOTTOM OF UNIT HEATER 8'-0" A.F.F.
2 1-1/2" HWS & HWR UP TO MEZZANINE ABOVE.
3 1" CD UP.
4 ROUTE 1" CD TO FLOOR DRAIN.
5 ROUTE REFRIGERANT LINES UP TO CU-B3 ON ROOF.
6 1" CD DOWN.
7 1-1/2" HWS & HWR DOWN.
8 TEMPERATURE SENSOR TO REPORT TO BMS TO MONITOR SPACE TEMP IN ROOM.
9 ROUTE 1-14" HEADER TO DOWN. HWS & HWR TO VAV-106.1 & 106.2 IS 1" HWS & HWR. SEE DETAIL 13 ON M-501.
10 REMOVE EXISTING SPACE TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW DDC CONTROLLER AT VAV TERMINAL UNIT BEING CONTROLLED.
11 REMOVE EXISTING CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO TERMINAL UNITS - SEQUENCE OF OPERATION ON M-702.
12 REMOVE EXISTING CONTROL WIRE FROM EXHAUST FAN STARTER AND EXISTING CONTROLLER. REMOVE EXISTING CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN ON OWNER DEFINED SCHEDULE AND MONITOR STATUS AT OPERATOR WORK STATION. REFER TO EXISTING 'EXHAUST FAN - SEQUENCE OF OPERATION ON DRAWING M-702.
13 REMOVE EXISTING AHU/RTU TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW AHU/RTU DDC CONTROLLER.
14 PROVIDE NEW CONTROLLER FOR SINGLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO SINGLE ZONE VAV SEQUENCE OF OPERATION ON M-702.
15 PROVIDE NEW CONTROLLER FOR MULTIPLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO VAV AIR HANDLING UNIT WITH REHEAT SEQUENCE OF OPERATION ON M-702. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH FAN IN AHU. TCC TO SHALL INCLUDE DISCONNECTION AND RECONNECTION OF ELECTRICAL POWER CONNECTION OF VFD BY ELECTRICAL CONTRACTOR IN ITS BID.
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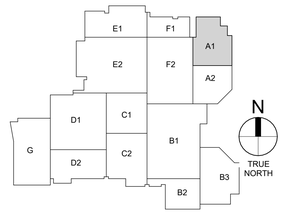
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| 1 | 07-27-2026 | ADDENDUM #3 |

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| PROJECT: #26102 |
| DATE: 07-03-2026 |
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MECHANICAL PIPING FIRST FLOOR PLAN - UNIT A1




MP101A1

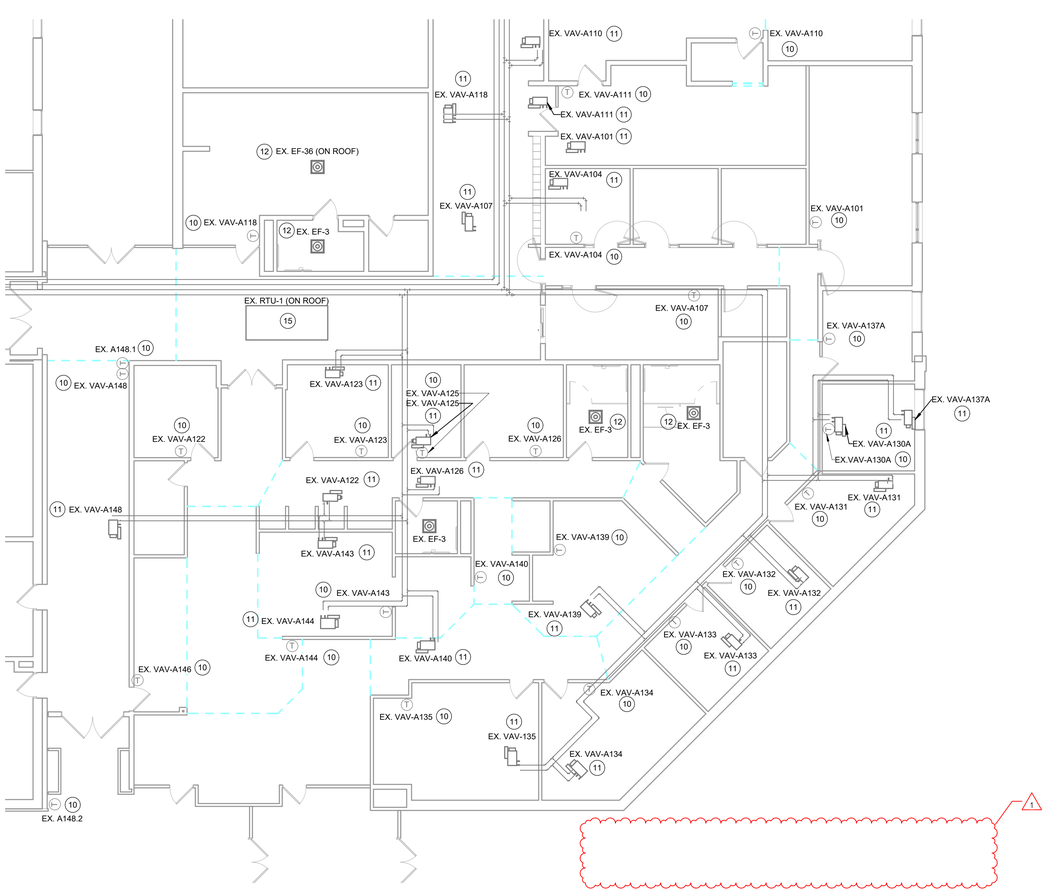
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## GENERAL PIPING NOTES

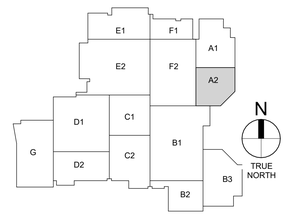
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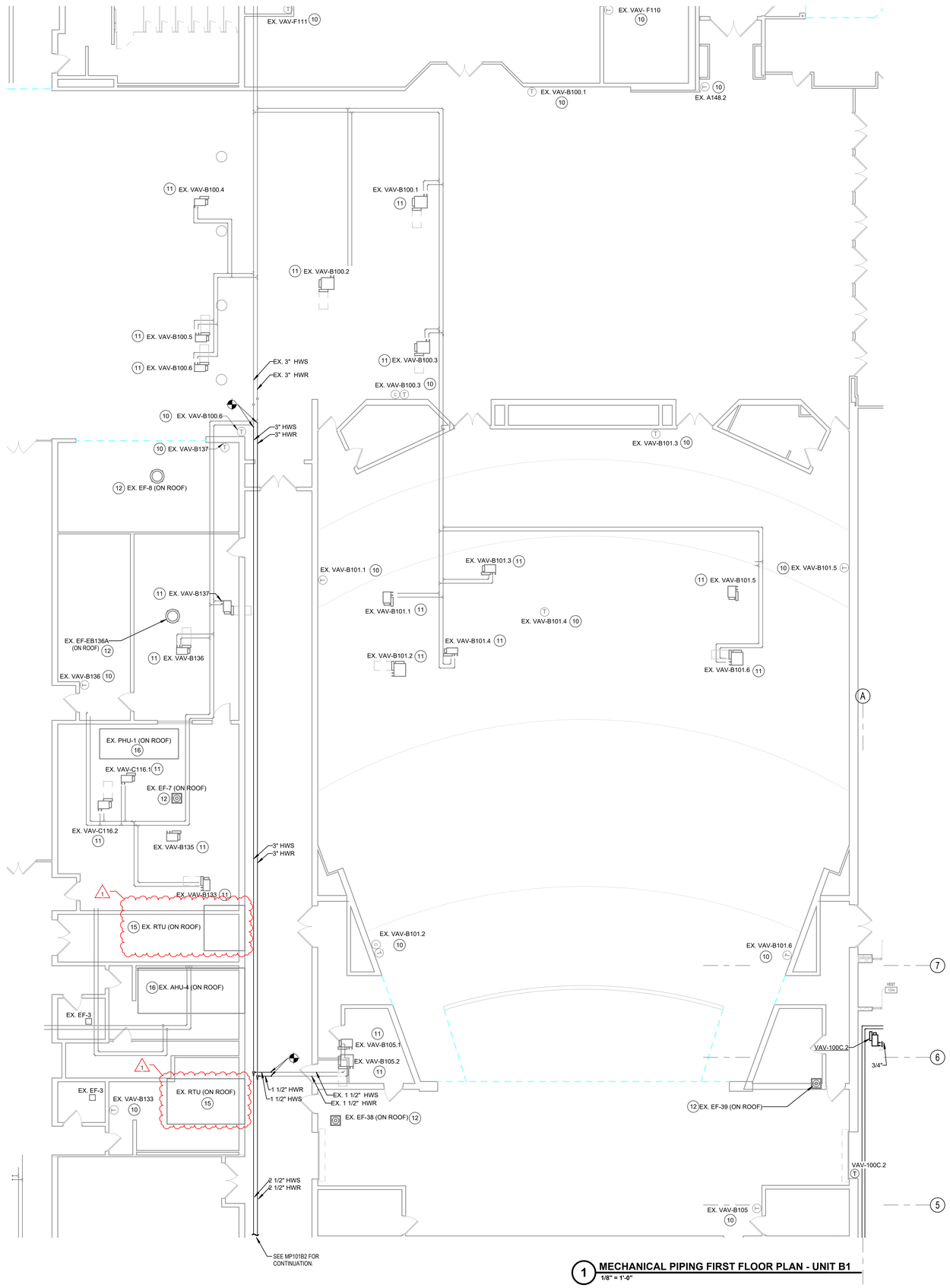
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| DATE: 07-03-2026 |
| DRAWN BY: CSM |

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT A2

MP101A2

PLOT DATE/TIME:7/27/2026 10:52:26 AM




1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B1**
1/8" = 1'-0"

## GENERAL PIPING NOTES

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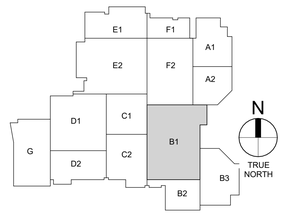
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| PROJECT: #26102 |
| DATE: 07-03-2026 |
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MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B1

MP101B1



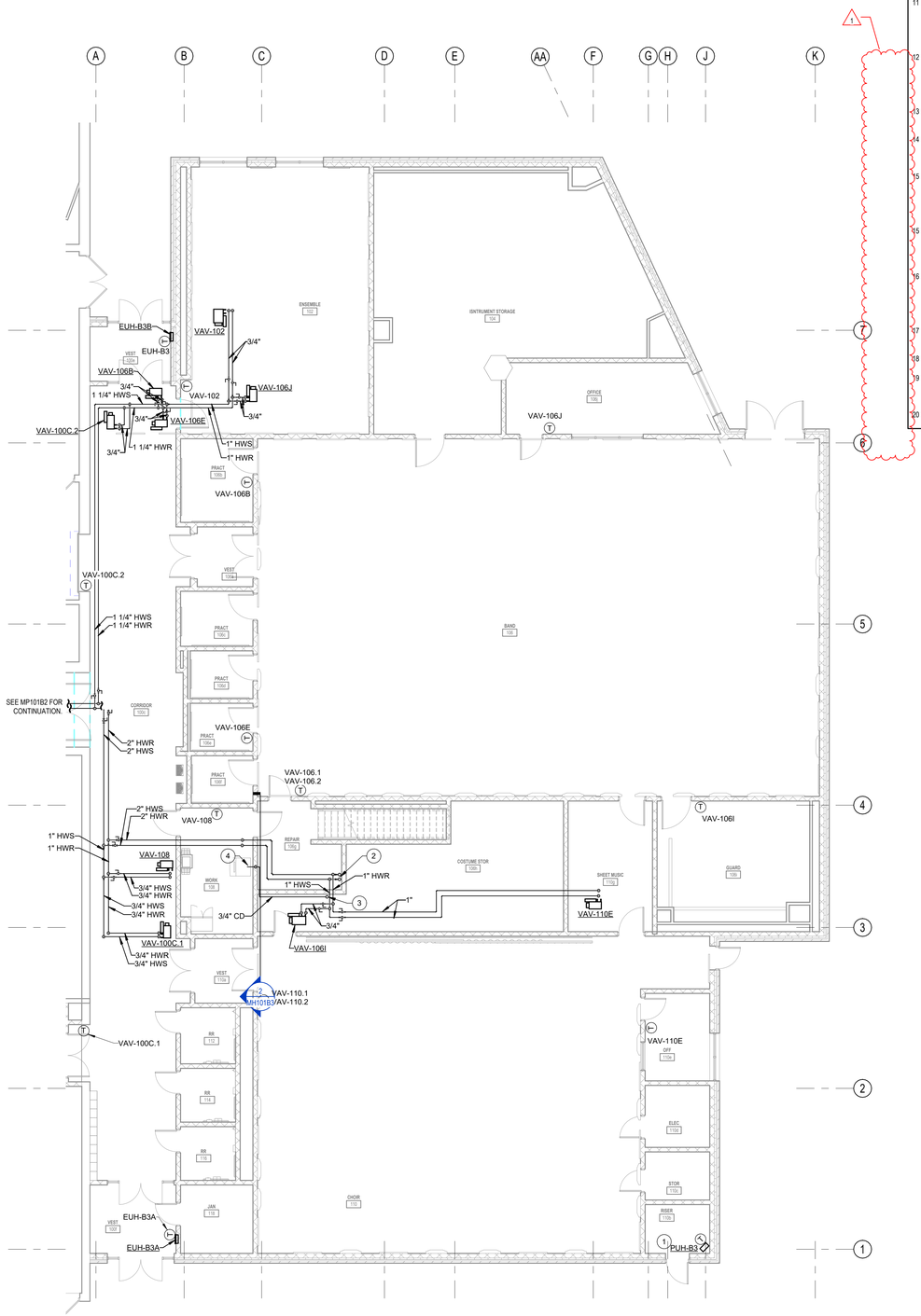

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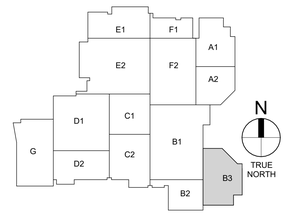
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| DATE: | 07-03-2026 |
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MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B3




MP101B3

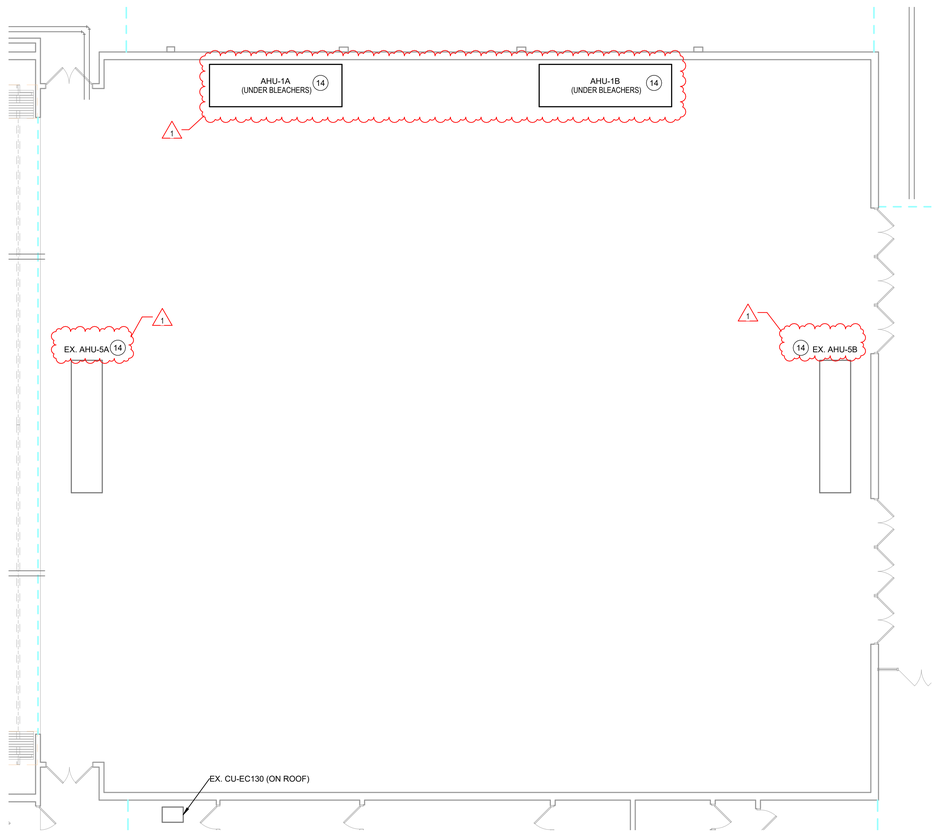
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## GENERAL PIPING NOTES

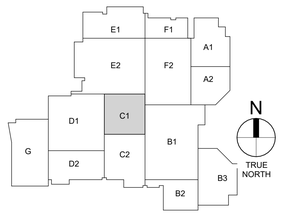
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1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT C1**
1/8" = 1'-0"




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GABRIEL S. CURRIER
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REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-2026 | ADDENDUM #3 |

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| PROJECT: #26102 |
| DATE: 07-03-2026 |
| DRAWN BY: CSM |

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT C1

MP101C1

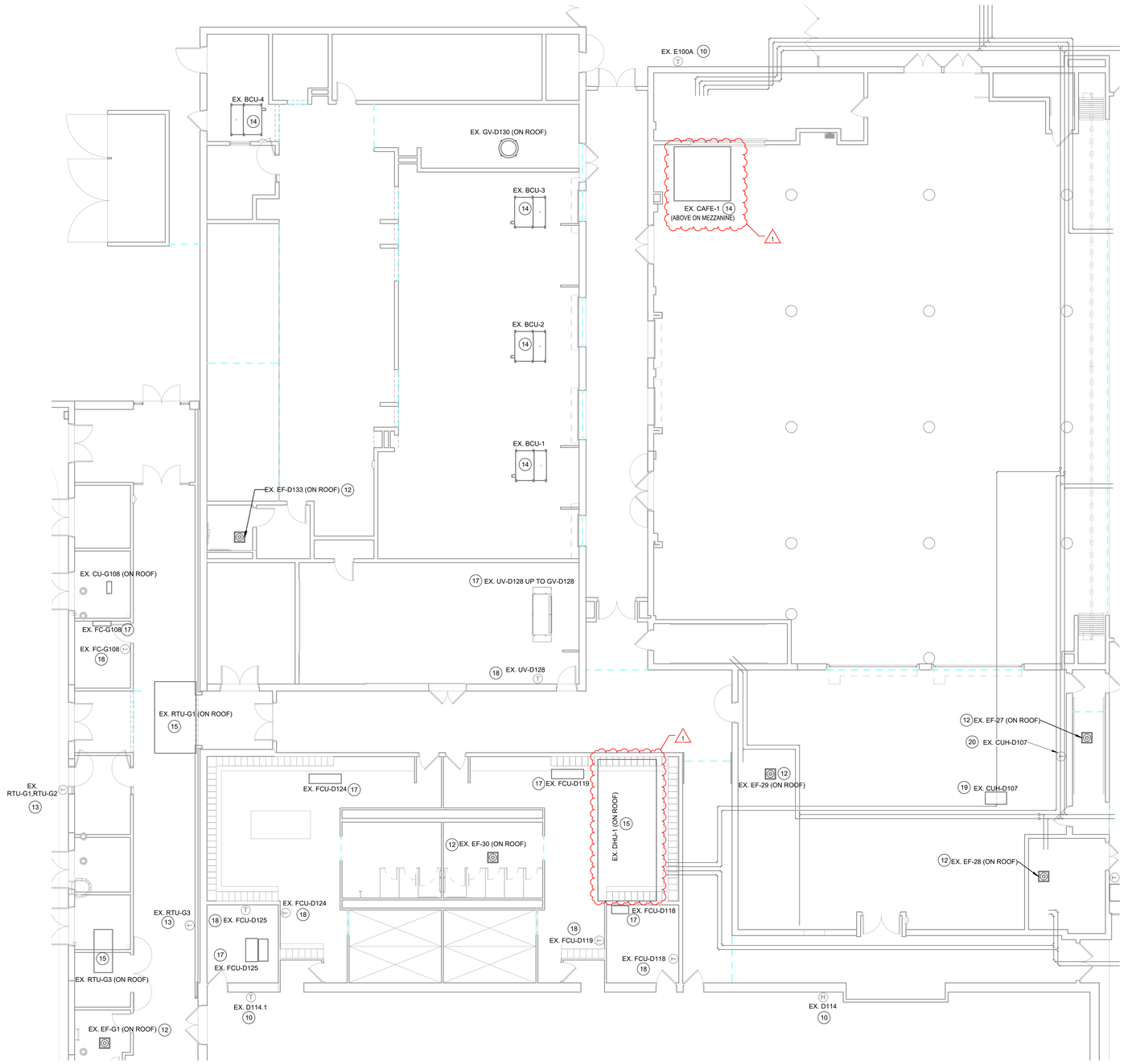
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## GENERAL PIPING NOTES

A DARK LINES INDICATE NEW WORK.
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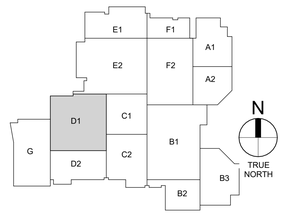
GABRIEL S. CURRIER
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| REVISIONS: | | |
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| # | Date | Desc. |
| 1 | 07-27-2026 | ADDENDUM #3 |

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| PROJECT: #26102 |
| DATE: 07-03-2026 |
| DRAWN BY: CSM |

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT D1




MP101D1

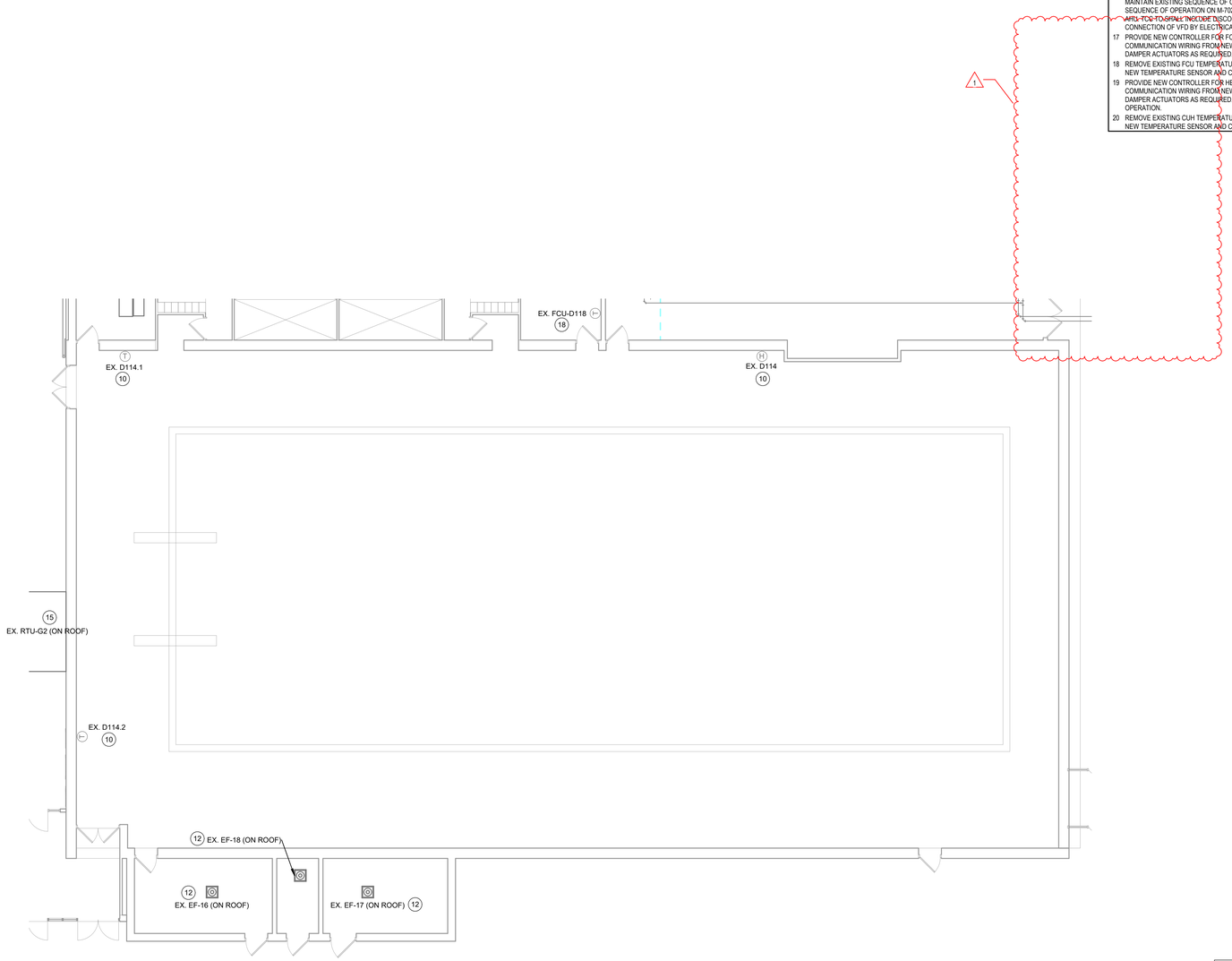
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## GENERAL PIPING NOTES

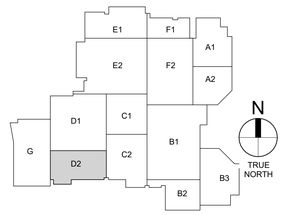
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1/8" = 1'-0"




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GABRIEL S. CURRIER REGISTERED NO. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:

| # | Date | |
|---|---|---|
| 1 | 07-27-2026 | ADDENDUM #3 |
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| PROJECT: #26102 |
| DATE: 07-03-2026 |
| DRAWN BY: CSM |

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT D2

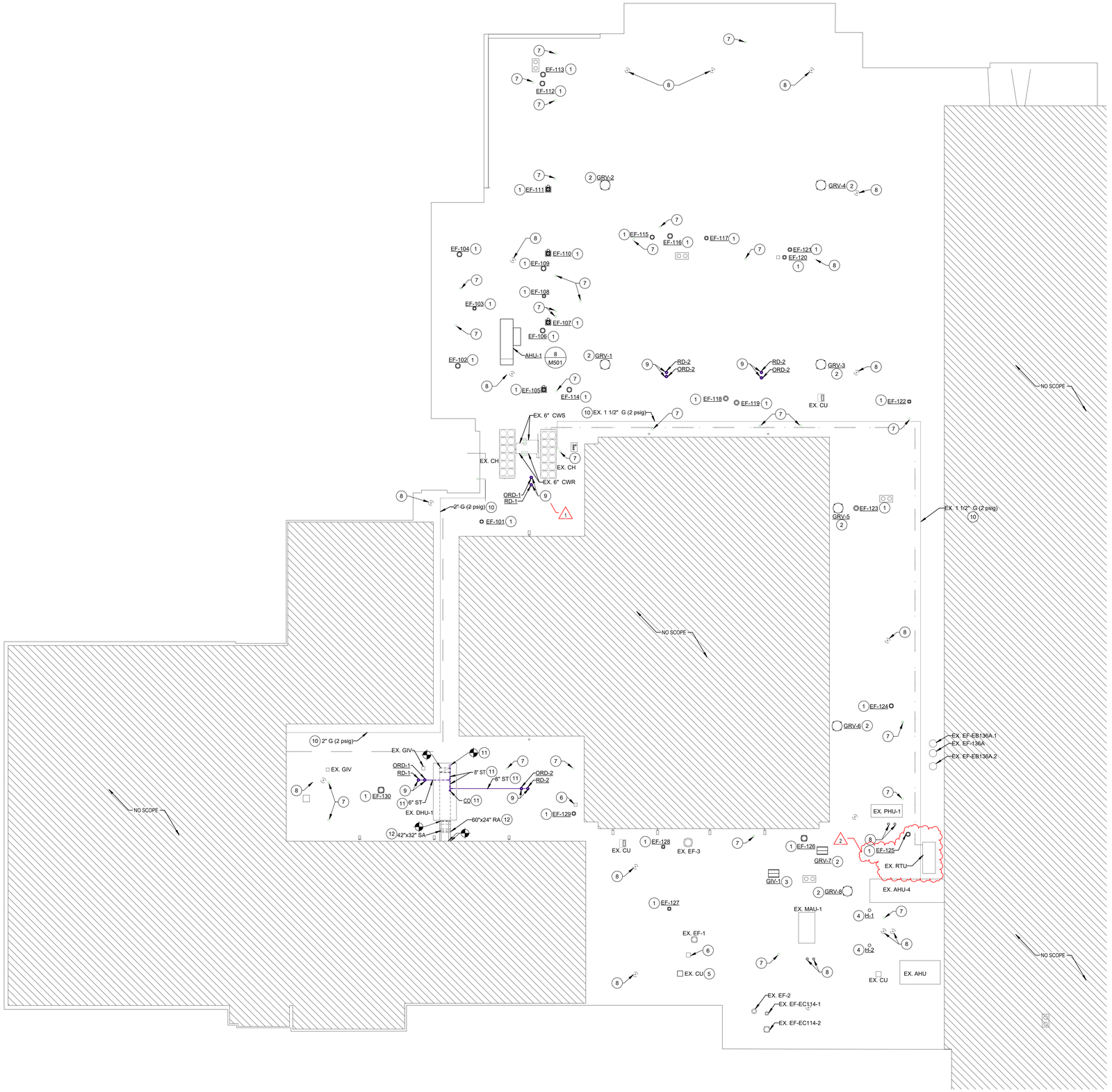
MP101D2

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REROOF PORTION OF PROJECT ONLY

## MECHANICAL ROOF PLAN NOTES

1. PROVIDE EXHAUST FAN AND ROOF CURB, CONNECT TO DUCT BELOW ROOF. FIELD VERIFY DIMENSION.
2. PROVIDE GRAVITY RELIEF VENT AND ROOF CURB, CONNECT TO EXISTING DUCT BELOW ROOF. FIELD VERIFY DIMENSION.
3. PROVIDE GRAVITY INTAKE VENTILATOR, CONNECT TO EXISTING DUCT BELOW ROOF.
4. PROVIDE EXHAUST HOOD AND ROOF CURB, CONNECT TO EXISTING DUCT BELOW.
5. PROVIDE NEW EQUIPMENT RAILS. REINSTALL EXISTING CONDENSING UNIT ON NEW EQIPTMENT RAILS.
6. EXISTING ROOF VENT REMAINS.
7. EXISTING PLUMBING VENT.
8. EXISTING ROOF DRAINS.
9. INSTALL NEW ROOF DRAINS.
10. PROVIDE PIPE SUPPORTS FOR NATURAL GAS PIPING AFTER ROOF REPLACEMENT IS COMPLETE.
11. STORM PIPING TO BE INSTALLED IN CEILING SPACE BELOW.
12. INSTALL NEW ALUMINUM SUPPLY AND RETURN DUCT COMPLETE FROM WALL PENETRATION TO UNIT CONNECTIONS. MATCH EXISTING DUCT DIMENSIONS AND ROUTING. INSULATE WITH 2" RIGID INSULATION AND COVER WITH STUCCO EMBOSSED SLUMINUM JACKET SEALED WEATHER TIGHT.
13. THIS STORM PIPING IS LOCATED BELOW SLAB.




**1 MECHANICAL ROOF PLAN**
1" = 20'-0"


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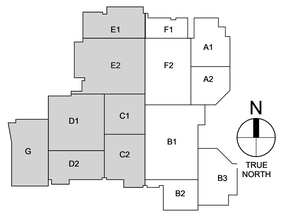
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| 1 | 07-17-2026 | Addendum #1 |
| 2 | 07-27-2026 | ADDENDUM #3 |

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| PROJECT: #26102 |
| DATE: 07-03-2026 |
| DRAWN BY: CSM |

MECHANICAL REROOF PLAN

MR101




PLOT DATE/TIME: 7/27/2026, 10:05:19 AM

## GENERAL MECHANICAL NOTES

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## MECHANICAL HVAC PLAN NOTES

1 REMOVE EXISTING SPACE TEMPERATURE SENSOR. PROVIDE SPACE TEMPERATURE SENSOR AND CONTROL CABLING TO NEW DDC CONTROLLER FOR EXISTING EQUIPMENT BEING CONTROLLED. FIELD VERIFY LOCATIONS OF UNITS AND CONTROLS.

2 REMOVE EXISTING CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. MAINTAIN EXISTING SEQUENCE OF OPERATION. PROVIDE PRE-DEMOLITION FLOW READINGS FOR VAV TERMINAL UNITS FOR FULL COOLING, MINIMUM COOLING, REHEAT, AND ANY OTHER SETTINGS. DOCUMENT FLOW RATE OF TEMPERATURE CONTROL VALVE AT FULL HEATING. REBALANCE AIRFLOW RATES AND HEATING HOT WATER FLOW RATES DOCUMENTED AT COMPLETION OF CONTROLS REPLACEMENT. REFER TO VAV TERMINAL UNIT SCHEDULES ON DRAWING M-601 FOR REFERENCE. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.

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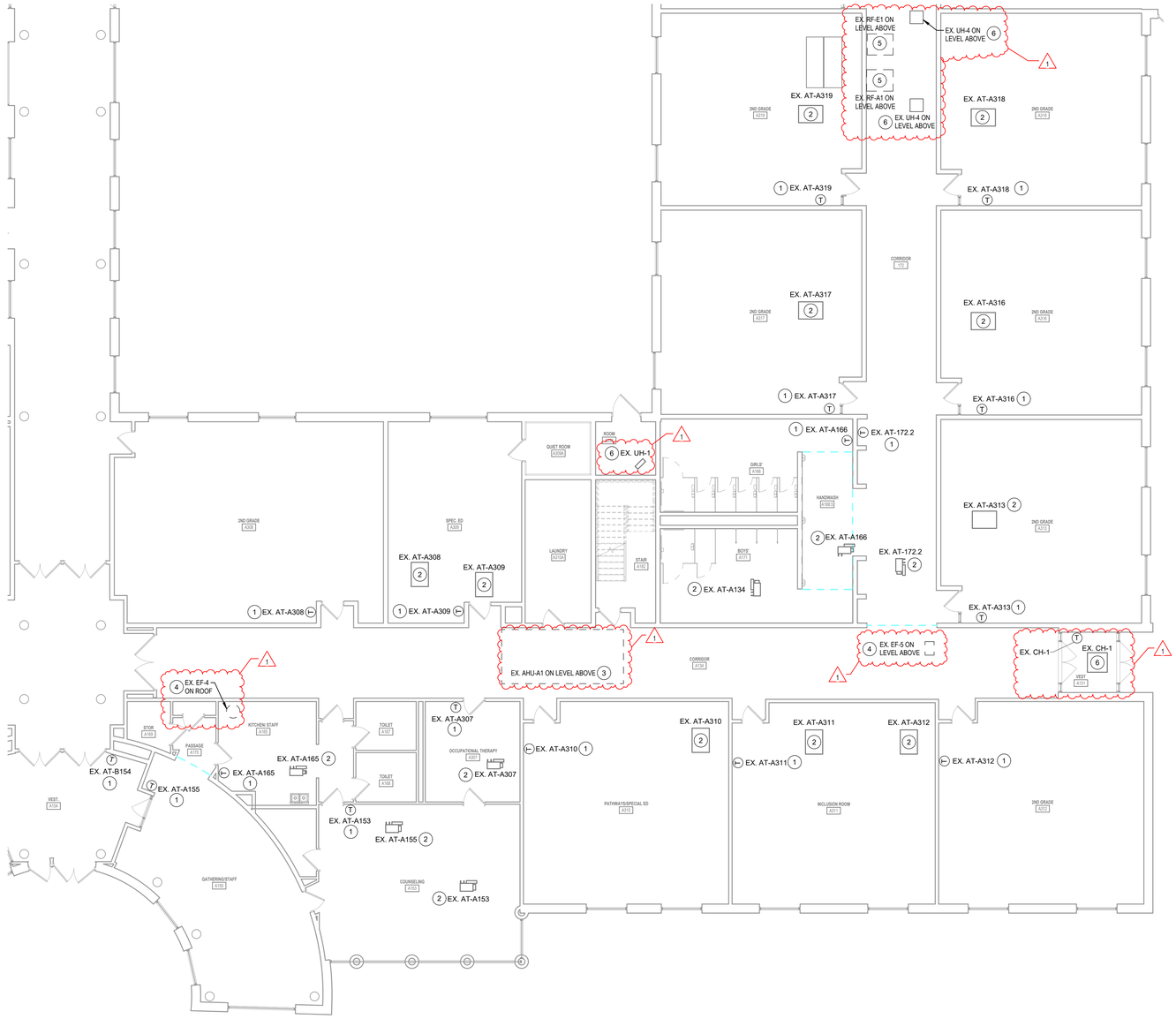
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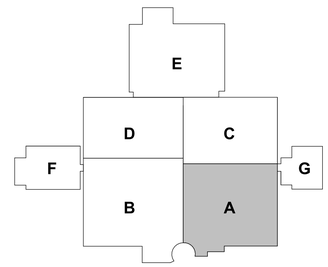
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1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT A**
1/8" = 1'-0"




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7700 W REEVES RD,
ELLETTSVILLE, IN 47404

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-2026 | ADDENDUM #3 |

90% CONSTRUCTION DOCUMENTS

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| PROJECT: #23117 |
| DATE: 05-25-2026 |
| DRAWN BY: AM / JR |

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT A

MH101

PLOT DATE/TIME:7/27/2026 10:55:52 AM

## GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.

B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

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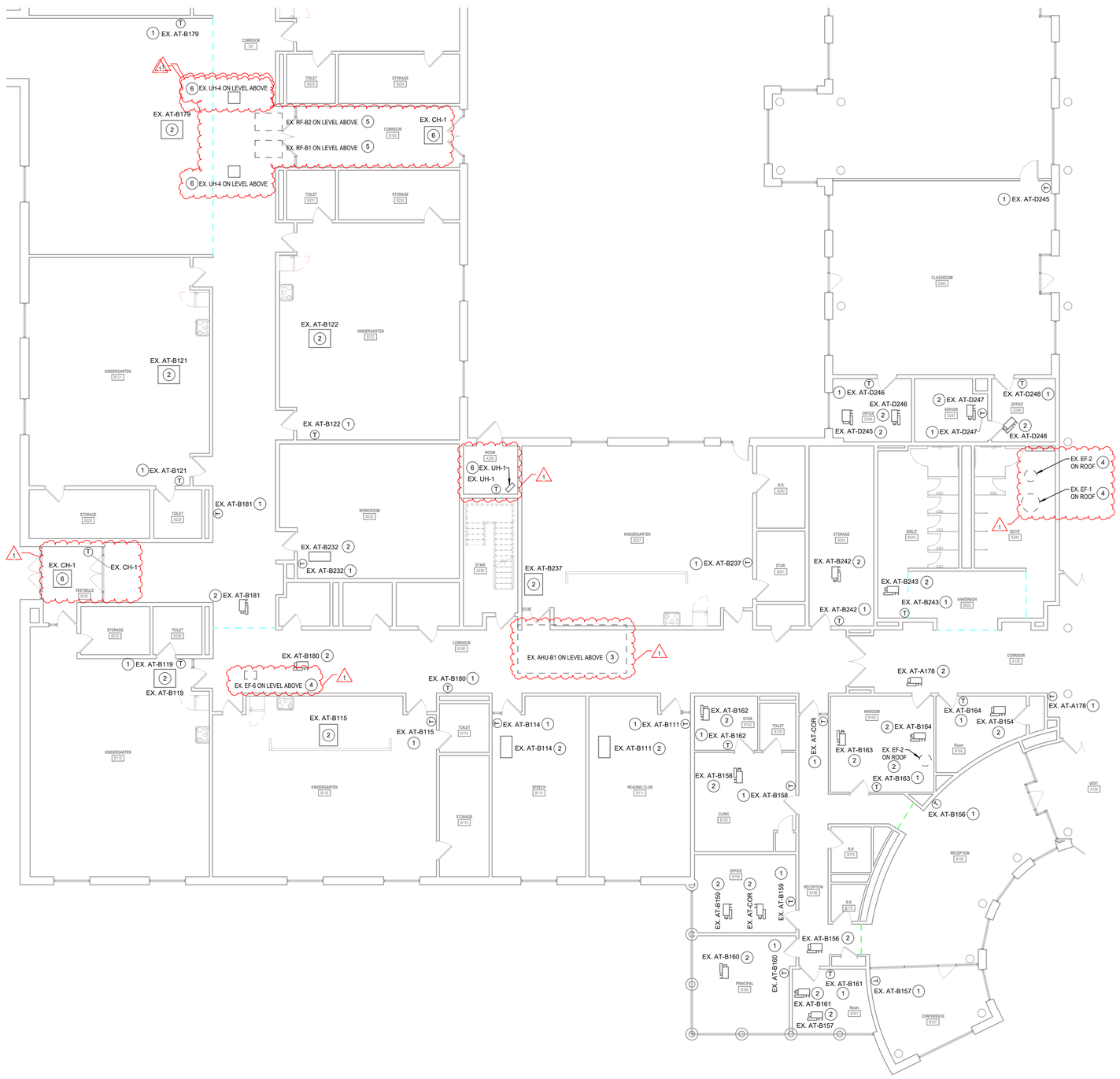
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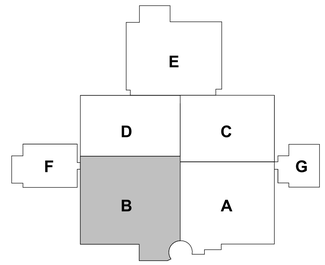
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1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT B**
1/8" = 1'-0"




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7700 W REEVES RD,
ELLETTSVILLE, IN 47404

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-2026 | ADDENDUM #3 |

90% CONSTRUCTION DOCUMENTS

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| PROJECT: #23117 |
| DATE: 05-25-2026 |
| DRAWN BY: AM / JR |

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT B

MH102

PLOT DATE/TIME: 7/27/2026 10:50:36 AM

## GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.

B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

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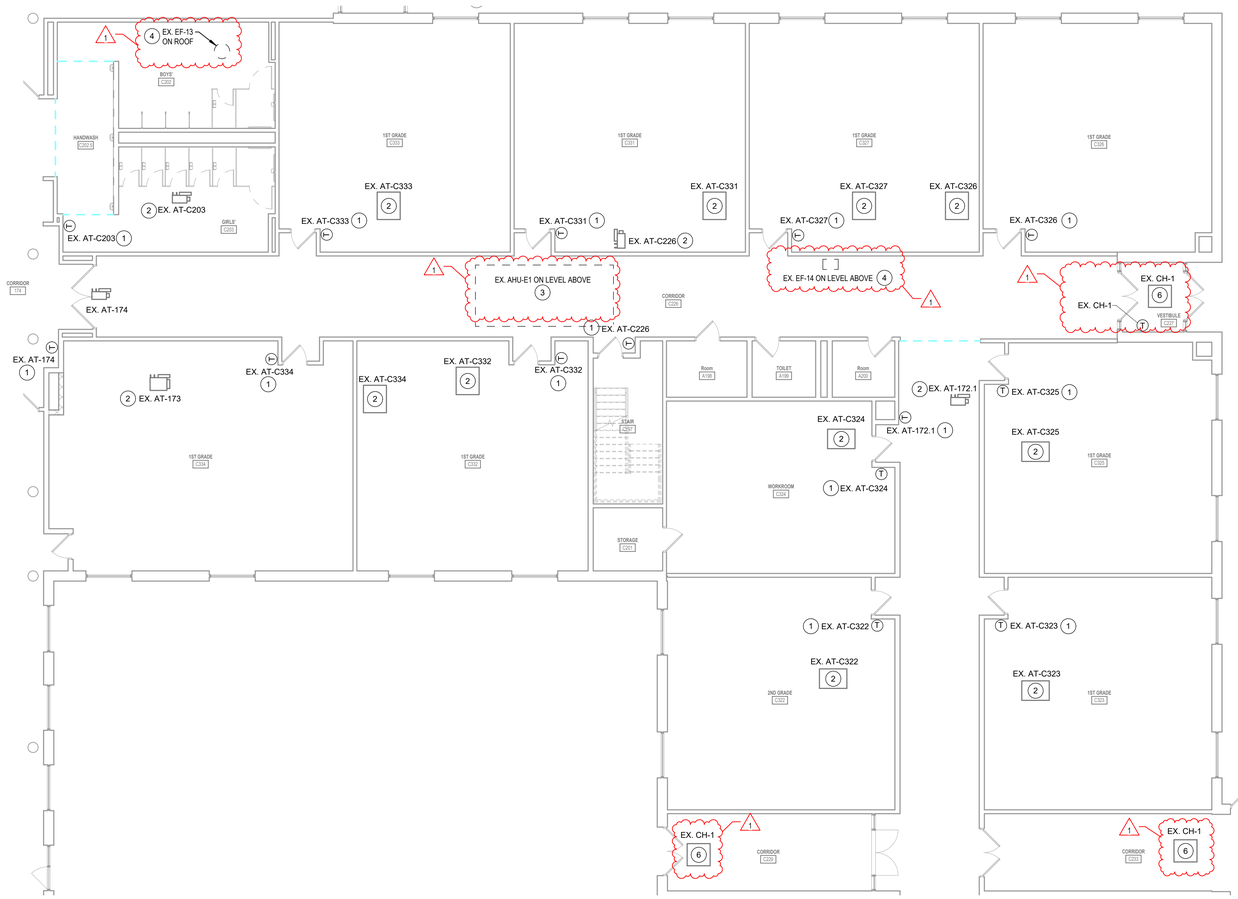
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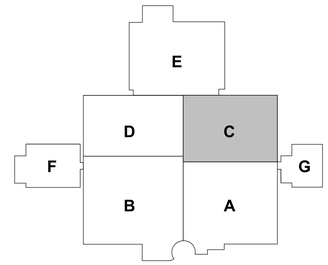
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1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT C**
1/8" = 1'-0"




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| REVISIONS: | | |
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| # | Date | Desc. |
| 1 | 07-27-2026 | ADDENDUM #3 |

90% CONSTRUCTION DOCUMENTS

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| PROJECT: | #23117 |
| DATE: | 05-25-2026 |
| DRAWN BY: | AM / JR |

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT C

MH103

PLOT DATE/TIME: 7/27/2026 10:50:39 AM

## GENERAL MECHANICAL NOTES

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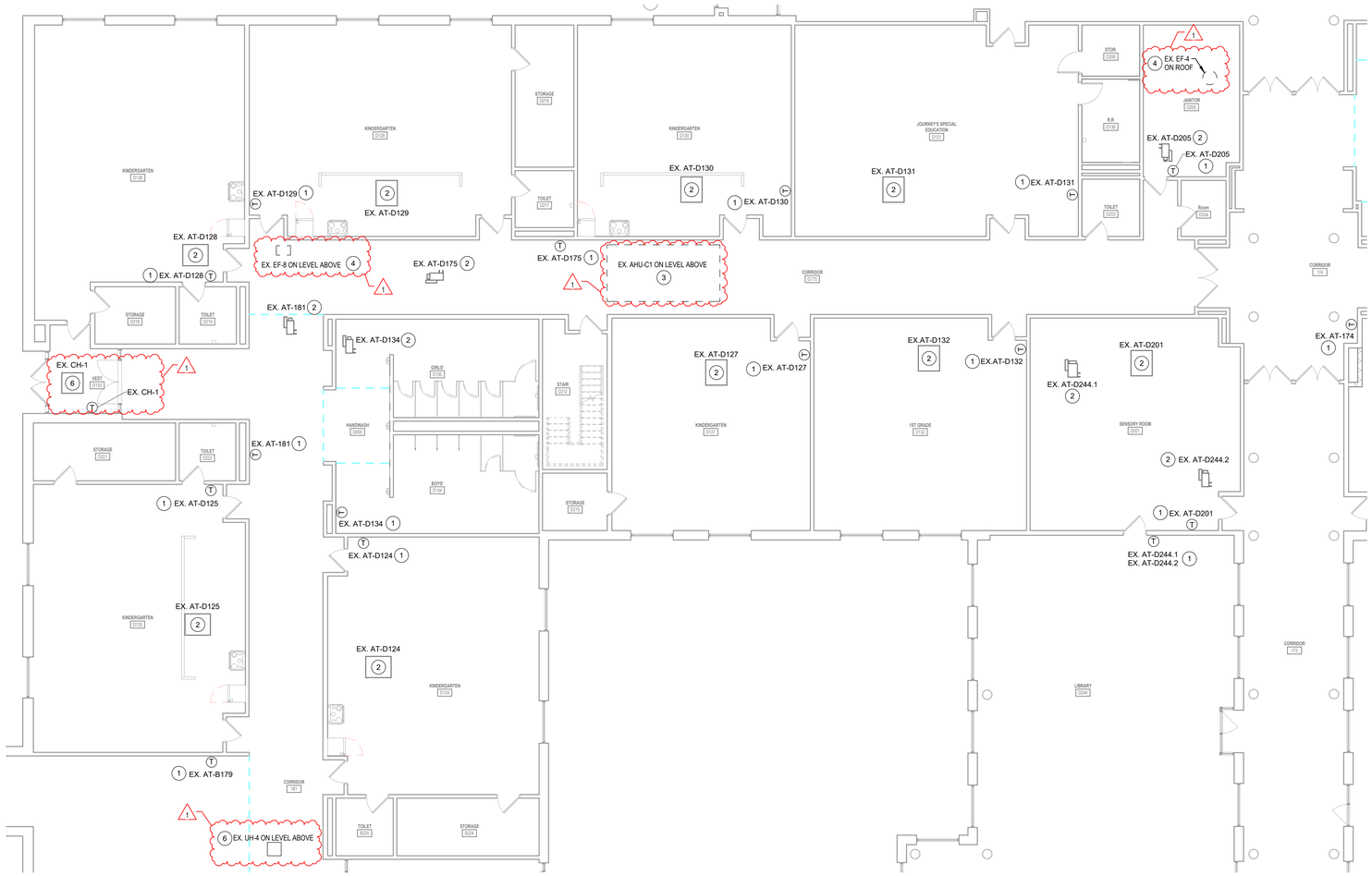
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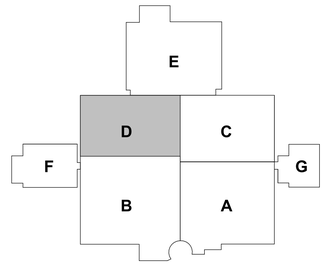
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1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT D**
1/8" = 1'-0"




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7700 W REEVES RD,
ELLETTSVILLE, IN 47404

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-2026 | ADDENDUM #3 |

90% CONSTRUCTION DOCUMENTS

| | |
|---|---|
| PROJECT: | #23117 |
| DATE: | 05-25-2026 |
| DRAWN BY: | AM / JR |

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT D

MH104

PLOT DATE/TIME: 7/27/2026 10:50:42 AM

## GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.

B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

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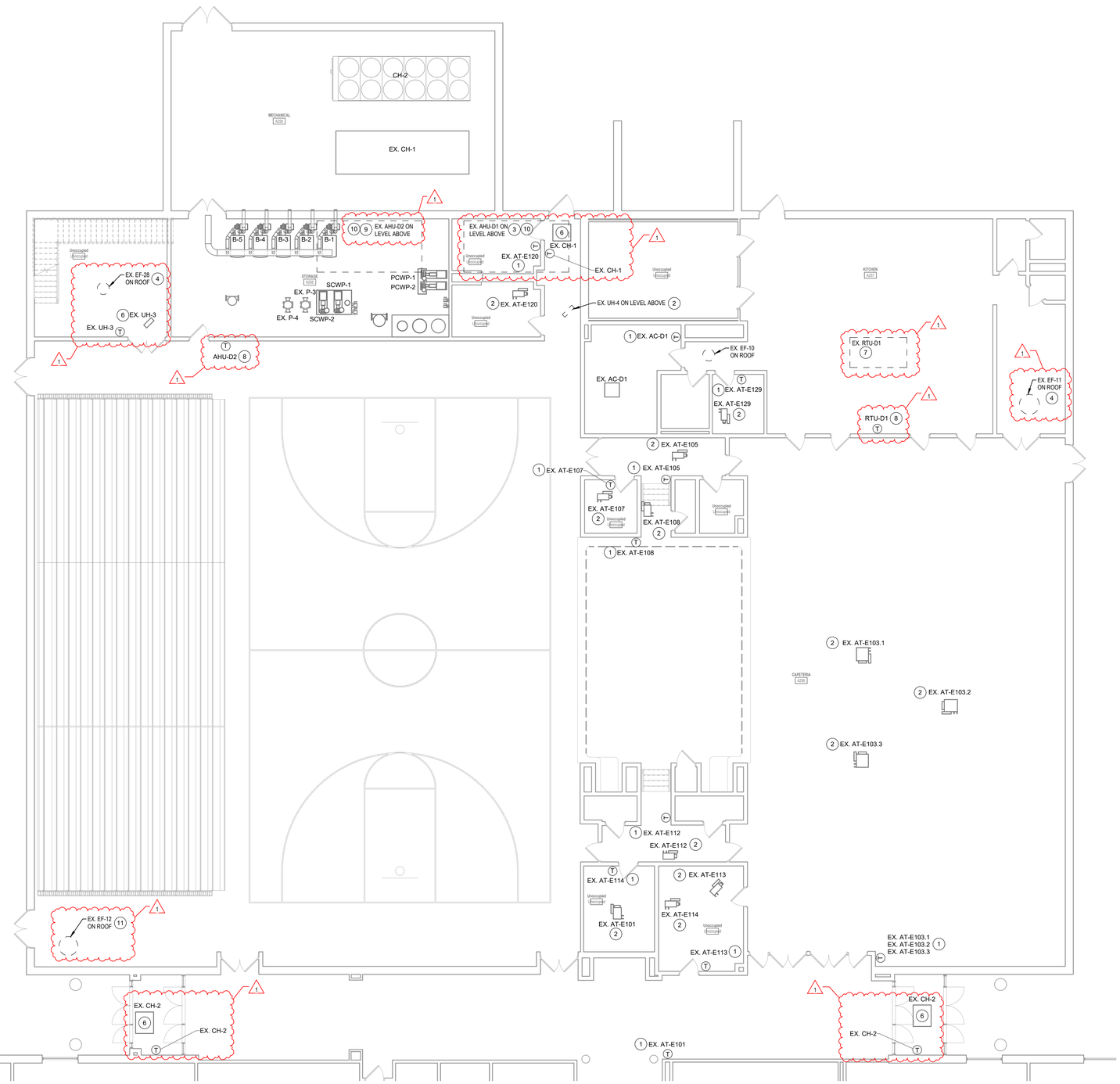
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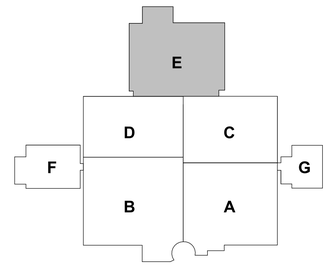
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1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT E**
1/8" = 1'-0"




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LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

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7700 W REEVES RD,
ELLETTSVILLE, IN 47404

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-2026 | ADDENDUM #3 |

90% CONSTRUCTION DOCUMENTS

| |
|---|
| PROJECT: #23117 |
| DATE: 05-25-2026 |
| DRAWN BY: AM / JR |

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT E

MH105

PLOT DATE/TIME: 7/27/2026 10:59:48 AM

## GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.

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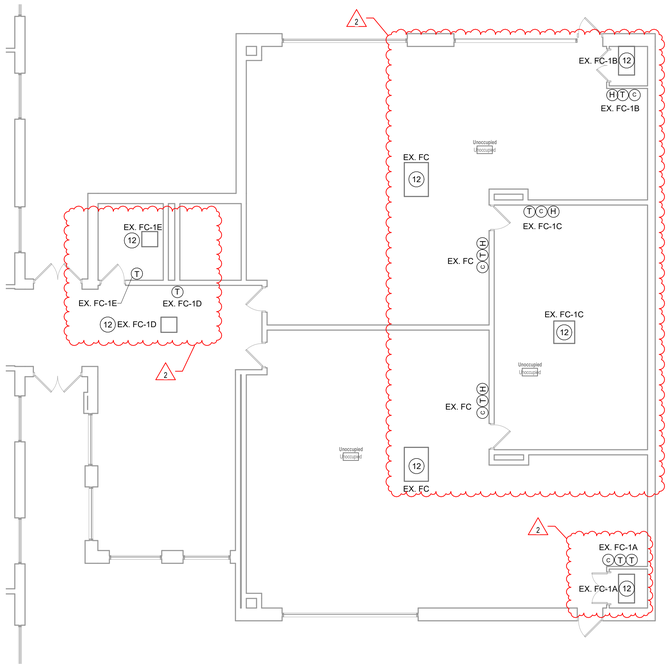
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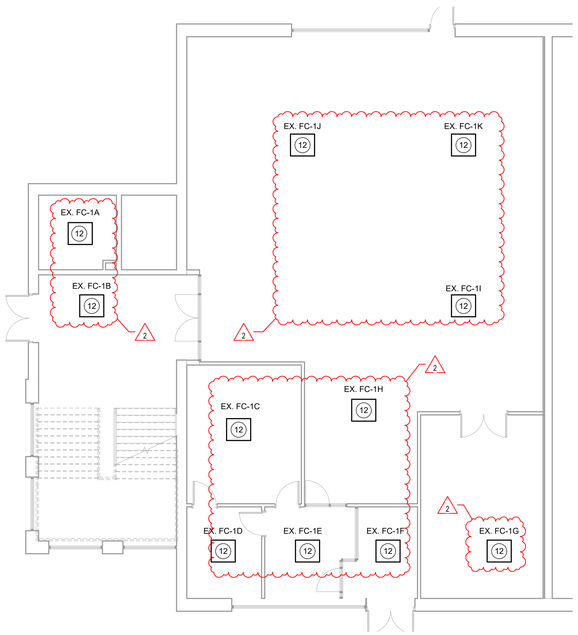
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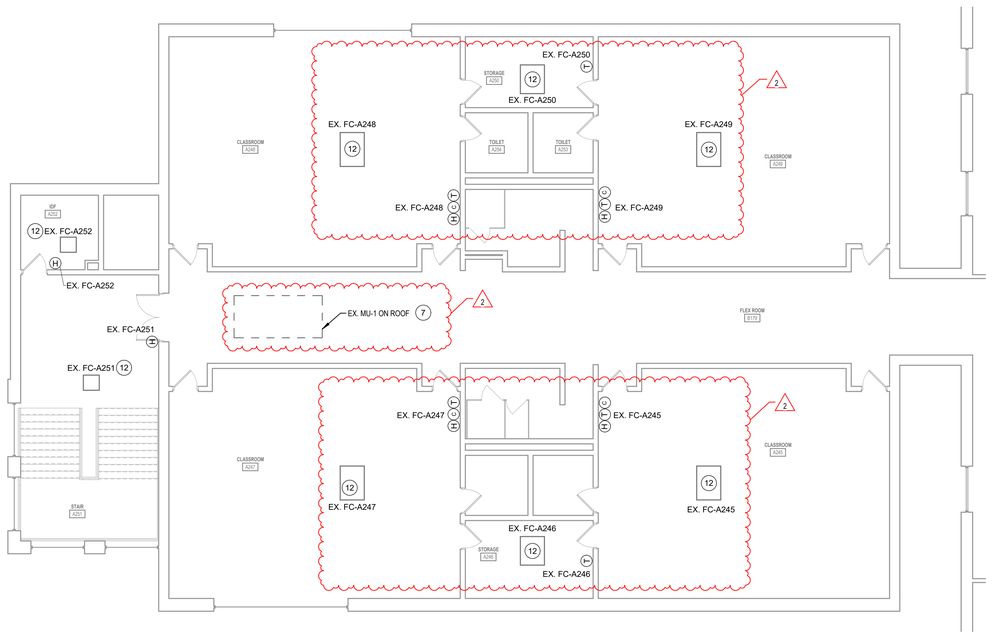
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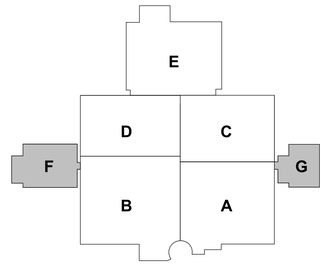

2 MECHANICAL HVAC FIRST FLOOR PLAN - UNIT G
1/8" = 1'-0"




3 MECHANICAL HVAC LOWER LEVEL FLOOR PLAN - UNIT F
1/8" = 1'-0"




1 MECHANICAL HVAC FIRST FLOOR PLAN - UNIT F
1/8" = 1'-0"




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PLOT DATE/TIME: 7/27/2026 10:59:00 AM

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7700 W REEVES RD,
ELLETTSVILLE, IN 47404

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-17-2026 | ADDENDUM #1 |
| 2 | 07-27-2026 | ADDENDUM #3 |

90% CONSTRUCTION DOCUMENTS

PROJECT: #23117
DATE: 05-25-2026
DRAWN BY: AM / JR

MECHANICAL HVAC FIRST FLOOR PLANS - UNIT F AND UNIT G

MH106

## EXISTING EXHAUST FAN SCHEDULE

| IDENTITY DATA | | | | | | | | | ELECTRICAL DATA | |
|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DRIVE TYPE | AIRFLOW (CFM) | ESP (IN-WG) | RPM | HP | UNIT CONTROL | VOLT/PH/HZ | NOTES |
| EF-1 | GREENHECK | GB-140 | BELT | 1700 | 0.25 | 1075 | 0.25 | BMS | 120/60/1 | - |
| EF-2 | GREENHECK | CUBE-95 | BELT | 500 | 0.25 | 1285 | 0.25 | BMS | 120/60/1 | - |
| EF-3 | GREENHECK | GB-90 | BELT | 450 | 0.25 | 700 | 0.25 | BMS | 120/60/1 | - |
| EF-4 | GREENHECK | GB-80 | BELT | 350 | 0.25 | 1000 | 0.25 | BMS | 120/60/1 | - |
| EF-5 | GREENHECK | BSQ-120 | BELT | 2150 | 0.50 | 2079 | 1 | BMS | 460/60/3 | - |
| EF-6 | GREENHECK | BSQ-100 | BELT | 1250 | 0.50 | 1770 | 1/3 | BMS | 120/60/1 | - |
| EF-8 | GREENHECK | BSQ-130 | BELT | 2650 | 0.50 | 2131 | 1 1/2 | BMS | 460/60/3 | - |
| EF-9 | GREENHECK | GB-80 | BELT | 300 | 0.25 | 900 | 1/4 | BMS | 120/60/1 | - |
| EF-10 | GREENHECK | BSQ-100 | BELT | 1050 | 0.25 | 1398 | 1/6 | BMS | 120/60/1 | - |
| EF-11 | GREENHECK | GB-80 | BELT | 300 | 0.25 | 900 | 1/6 | BMS | 120/60/1 | - |
| EF-12 | GREENHECK | GB-200 | BELT | 5000 | 0.125 | 937 | 1 | BMS | 460/60/3 | - |
| EF-13 | GREENHECK | GB-130 | BELT | 1600 | 0.25 | 1238 | 1/3 | BMS | 120/60/1 | - |
| EF-14 | GREENHECK | BSQ-70 | BELT | 350 | 0.25 | 1834 | 1/4 | BMS | 120/60/1 | - |
| EF-28 | GREENHECK | G-150B | DIRECT | 2000 | 0.125 | 1140 | 1/4 | BMS | 120/60/1 | - |

## FAN POWERED TERMINAL UNIT WITH HOT WATER REHEAT SCHEDULE

| IDENTITY DATA | | | | AIRFLOW DATA | | REHEAT COIL DATA | | | | | | FAN DATA | | ELECTRICAL DATA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | INLET DIAMETER | FAN AIRFLOW (CFM) | PRIMARY AIR MAX (CFM) | CAPACITY (BTUH) | EAT / LAT (°F) | FLOW (GPM) | EWT / LWT (°F) | VALVE TYPE | LINE SIZE (IN) | ESP (IN WG) | HP | VOLTS / PH / HZ | FLA (A) | NOTES |
| AB-B122 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-A153 | ENVIRO-TEC | CFR-WC-1018 | 10" | 1,200 | 450 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-A155 | ENVIRO-TEC | CFR-WC-1018 | 10" | 1,200 | 450 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-A308 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-A309 | ENVIRO-TEC | CFR-WC-0811 | 8" | 800 | 300 | 26,000 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277/1/60 | 1.9 | 1 |
| AT-A310 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-A311 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-A312 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-A313 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-A316 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-A317 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-A318 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-A319 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-B111 | ENVIRO-TEC | CFR-WC-0606 | 6" | 500 | 200 | 16,200 | 60 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/6 | 277/1/60 | 0.9 | 1 |
| AT-B114 | ENVIRO-TEC | CFR-WC-0606 | 6" | 500 | 200 | 16,200 | 60 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/6 | 277/1/60 | 0.9 | 1 |
| AT-B115 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-B119 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-B121 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-B154 | ENVIRO-TEC | CFR-WC-0606 | 6" | 400 | 0 | 17,400 | 60 / 100 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277/1/60 | 0.9 | 1 |
| AT-B156 | ENVIRO-TEC | CFR-WC-1018 | 10" | 1,200 | 450 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-B157 | ENVIRO-TEC | CFR-WC-0604 | 6" | 350 | 75 | 10,000 | 60 / 90 | 1.5 | 140 / 120 | 2-WAY | 3/4 | 0.3 | 1/6 | 277/1/60 | 0.5 | 1 |
| AT-B158 | ENVIRO-TEC | CFR-WC-0504 | 5" | 250 | 100 | 6,800 | 60 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 0.3 | 1/13 | 277/1/60 | 0.5 | 1 |
| AT-B160 | ENVIRO-TEC | CFR-WC-0604 | 6" | 375 | 100 | 11,000 | 60 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 0.3 | 1/13 | 277/1/60 | 0.5 | 1 |
| AT-B161 | ENVIRO-TEC | CFR-WC-0404 | 4" | 200 | 75 | 6,500 | 60 / 90 | 1.5 | 140 / 120 | 2-WAY | 3/4 | 0.3 | 1/13 | 277/1/60 | 0.5 | 1 |
| AT-B179 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-B232 | ENVIRO-TEC | CFR-WC-0811 | 8" | 750 | 250 | 26,000 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277/1/60 | 1.9 | 1 |
| AT-B237 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-C322 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-C323 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-C324 | ENVIRO-TEC | CFR-WC-0811 | 8" | 750 | 250 | 26,000 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277/1/60 | 1.9 | 1 |
| AT-C325 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-C326 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-C327 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-C331 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-C332 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,050 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-C333 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-C334 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-C334 | ENVIRO-TEC | CFR-WC-1640 | 16" | 2,500 | 0 | 80,000 | 65 / 100 | 4.0 | 140 / 120 | 2-WAY | 3/4 | 0.65 | 3/4 (2) | 277/1/60 | 8.2 | 1 |
| AT-D124 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-D125 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-D127 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,050 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-D128 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-D129 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-D130 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-D131 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,350 | 550 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277/1/60 | 4.3 | 1 |
| AT-D132 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-D134 | ENVIRO-TEC | CFR-WC-0811 | 8" | 900 | 350 | 28,000 | 60 / 100 | 4.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277/1/60 | 1.9 | 1 |
| AT-D201 | ENVIRO-TEC | CFR-WC-1018 | 10" | 1,300 | 450 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-D244.1 | ENVIRO-TEC | CFR-WC-1224 | 12" | 2,000 | 800 | 60,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.6 | 1.0 | 277/1/60 | 4.5 | 1 |
| AT-D244.2 | ENVIRO-TEC | CFR-WC-1018 | 10" | 1,200 | 450 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277/1/60 | 3.6 | 1 |
| AT-D245 | ENVIRO-TEC | CFR-WC-1224 | 12" | 2,000 | 800 | 60,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.6 | 1.0 | 277/1/60 | 4.5 | 1 |
| AT-E101 | ENVIRO-TEC | CFR-WC-1224 | 12" | 1,550 | 700 | 50,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.65 | 1.0 | 277/1/60 | 4.5 | 1 |
| AT-E103.1 | ENVIRO-TEC | CFR-WC-1640 | 16" | 2,300 | 1,050 | 75,000 | 60 / 90 | 4.0 | 140 / 120 | 2-WAY | 3/4 | 0.6 | 3/4 (2) | 277/1/60 | 8.2 | 1 |
| AT-E103.2 | ENVIRO-TEC | CFR-WC-1640 | 16" | 2,300 | 1,050 | 75,000 | 60 / 90 | 4.0 | 140 / 120 | 2-WAY | 3/4 | 0.6 | 3/4 (2) | 277/1/60 | 8.2 | 1 |
| AT-E103.3 | ENVIRO-TEC | CFR-WC-1640 | 16" | 2,300 | 1,050 | 75,000 | 60 / 90 | 4.0 | 140 / 120 | 2-WAY | 3/4 | 0.6 | 3/4 (2) | 277/1/60 | 8.2 | 1 |
| AT-E108 | ENVIRO-TEC | CFR-WC-1011 | 10" | 1,000 | 300 | 28,000 | 65 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277/1/60 | 1.9 | 1 |

**TERMINAL UNIT WITH HOT WATER REHEAT SCHEDULE NOTES:**

1. EXISTING TERMINAL UNIT. FIELD VERIFY LINE SIZE AND CONTROL VALVE TYPE. FIELD VERIFY LOCATION OF VAV TERMINAL UNIT.

## TERMINAL UNIT WITH HOT WATER REHEAT SCHEDULE

| IDENTITY DATA | | | | AIRFLOW DATA | | | REHEAT COIL DATA | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | INLET DIAMETER | MAX. COOLING (CFM) | HEATING (CFM) | MIN. COOLING (CFM) | CAPACITY (BTUH) | EAT / LAT (°F) | FLOW (GPM) | EWT / LWT (°F) | VALVE TYPE | LINE SIZE (IN) | NOTES |
| AT-178 | ENVIRO-TEC | SDR-08 | 8" | 600 | - | 0 | - | - | - | - | - | - | 2 |
| AT-A1334 | ENVIRO-TEC | SDR-08 | 8" | 800 | - | 0 | - | - | - | - | - | - | 2 |
| AT-A165 | ENVIRO-TEC | SDR-WC-05 | 5" | 225 | 125 | 100 | 3,800 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A166 | ENVIRO-TEC | SDR-WC-06 | 6" | 400 | 250 | 200 | 7,600 | 55 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A172.2 | ENVIRO-TEC | SDR-08 | 8" | 600 | - | 0 | - | - | - | - | - | - | 2 |
| AT-A307 | ENVIRO-TEC | SDR-WC-05 | 5" | 200 | 125 | 100 | 3,800 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-B156 | ENVIRO-TEC | SDR-WC-04 | 4" | 100 | 100 | 50 | 2,500 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-B159 | ENVIRO-TEC | SDR-WC-05 | 5" | 275 | 150 | 150 | 5,600 | 55 / 90 | 0.75 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-B162 | ENVIRO-TEC | SDR-WC-04 | 4" | 100 | 100 | 50 | 2,500 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-B163 | ENVIRO-TEC | SDR-WC-05 | 5" | 250 | 125 | 125 | 4,700 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-B164 | ENVIRO-TEC | SDR-WC-04 | 4" | 100 | 100 | 50 | 2,500 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-B180 | ENVIRO-TEC | SDR-08 | 8" | 600 | - | 0 | - | - | - | - | - | - | 2 |
| AT-B181 | ENVIRO-TEC | SDR-06 | 6" | 400 | - | 0 | - | - | - | - | - | - | 2 |
| AT-B242 | ENVIRO-TEC | SDR-WC-05 | 5" | 300 | 150 | 150 | 5,600 | 55 / 90 | 0.75 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-B243 | ENVIRO-TEC | SDR-WC-06 | 6" | 400 | 250 | 200 | 7,600 | 55 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-C174 | ENVIRO-TEC | SDR-06 | 6" | 400 | - | 0 | - | - | - | - | - | - | 2 |
| AT-C203 | ENVIRO-TEC | SDR-WC-06 | 6" | 400 | 250 | 200 | 7,600 | 55 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-C226 | ENVIRO-TEC | SDR-08 | 8" | 600 | - | 0 | - | - | - | - | - | - | 2 |
| AT-D175 | ENVIRO-TEC | SDR-08 | 8" | 600 | - | 0 | - | - | - | - | - | - | 2 |
| AT-D181 | ENVIRO-TEC | SDR-06 | 6" | 400 | - | 0 | - | - | - | - | - | - | 2 |
| AT-D205 | ENVIRO-TEC | SDR-WC-05 | 5" | 300 | 150 | 150 | 5,600 | 55 / 90 | 0.75 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-D246 | ENVIRO-TEC | SDR-WC-04 | 4" | 125 | 125 | 50 | 4,700 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-D247 | ENVIRO-TEC | SDR-WC-04 | 4" | 100 | 100 | 50 | 2,500 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-D248 | ENVIRO-TEC | SDR-WC-04 | 4" | 100 | 100 | 50 | 2,500 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-E105 | ENVIRO-TEC | SDR-04 | 4" | 100 | - | 0 | - | - | - | - | - | - | 2 |
| AT-E107 | ENVIRO-TEC | SDR-WC-04 | 4" | 75 | 75 | 35 | 2,800 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-E112 | ENVIRO-TEC | SDR-04 | 4" | 100 | - | 0 | - | - | - | - | - | - | 2 |
| AT-E113 | ENVIRO-TEC | SDR-WC-05 | 5" | 250 | 125 | 125 | 4,700 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-E114 | ENVIRO-TEC | SDR-WC-04 | 4" | 150 | 125 | 75 | 3,000 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-E120 | ENVIRO-TEC | SDR-WC-05 | 5" | 200 | 125 | 100 | 3,800 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-E129 | ENVIRO-TEC | SDR-WC-04 | 4" | 150 | 125 | 75 | 3,000 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |

**VAV BOX WITH HOT WATER REHEAT SCHEDULE NOTES:**

1. EXISTING TERMINAL UNIT. FIELD VERIFY LINE SIZE AND CONTROL VALVE TYPE. FIELD VERIFY LOCATION OF VAV
2. TERMINAL UNIT IS A SHUT-OFF BOX WITHOUT REHEAT COIL.


LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
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RICHLAND-BEAN BLOSSOM CSC EDGEWOOD PRIMARY SCHOOL RENOVATIONS
7700 W REEVES RD,
ELLETTSVILLE, IN 47404

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1. | 07-27-2026 | ADDENDUM #3 |

90% CONSTRUCTION DOCUMENTS

PROJECT: #23117
DATE: 05-25-2026
DRAWN BY: AM / JR

MECHANICAL SCHEDULES

M-601


PLOT DATE/TIME: 7/27/2026 10:50:54 AM

| AHU SCHEDULE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| IDENTITY DATA | | | | SUPPLY FAN DATA | | | | | SUPPLY FAN ELECTRICAL DATA |
| | | | | | | | MOTOR | | |
| MARK | MANUFACTURER | MODEL | AREA SERVED | AIRFLOW (CFM) | MIN. OA (CFM) | ESP (IN-WG) | QTY | HP EA. | VOLTS / PH / HZ |
| AHU-A1 | MCQUAY | CAH030 | UNIT A | 14000 | 4500 | 3.25 | 1 | 25 | 460/3/60 |
| AHU-B1 | MCQUAY | CAH035 | UNIT B | 16000 | 5600 | 3.5 | 1 | 25 | 460/3/60 |
| AHU-C1 | MCQUAY | CAH035 | UNIT C | 16000 | 5600 | 3.5 | 1 | 25 | 460/3/60 |
| AHU-D1 | MCQUAY | CAH021 | UNIT D | 9500 | 1000 | 3.5 | 1 | 15 | 460/3/60 |
| AHU-D2 | MCQUAY | CAH035 | UNIT D | 15000 | 1500 | 1 | 1 | 15 | 460/3/60 |
| AHU-E1 | MCQUAY | CAH030 | UNIT E | 14000 | 4500 | 3.25 | 1 | 25 | 460/3/60 |

| AHU SCHEDULE (CONTINUED) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | COOLING COIL DATA | | | | | | | | REHEAT COIL DATA | | | | | | |
| MARK | TOTAL CAP. (BTUH) | FLOW (GPM) | EAT (°F) DB/WB | LAT (°F) DB | EWT/LWT (°F) | WPD (FT-WG) | APD (IN-WG) | FLUID TYPE | CAPACITY (BTUH) | FLOW (GPM) | EAT / LAT (°F) | EWT/LWT (°F) | WPD (FT-WG) | APD (IN-WG) | FLUID TYPE |
| AHU-A1 | 551,000 | 94 | 79 / 67 | 55.0 | 140 / 120 | 10 | 0.68 | 30% PG | 607,000 | 60 | 50 / 90 | 44 / 56 | 12 | 0.39 | WATER |
| AHU-B1 | 635,000 | 105 | 79 / 67 | 55.0 | 141 / 120 | 11.2 | 0.65 | 30% PG | 710,000 | 70 | 50 / 90 | 44 / 56 | 9 | 0.22 | WATER |
| AHU-C1 | 635,000 | 105 | 79 / 67 | 55.0 | 142 / 120 | 11.2 | 0.65 | 30% PG | 710,000 | 70 | 50 / 90 | 44 / 56 | 9 | 0.22 | WATER |
| AHU-D1 | 370,000 | 62 | 79 / 67 | 55.0 | 143 / 120 | 7.7 | 0.60 | 30% PG | 415,000 | 40 | 50 / 90 | 44 / 56 | 6.4 | 0.21 | WATER |
| AHU-D2 | 538,000 | 90 | 78 / 66 | 55.0 | 144 / 120 | 10 | 0.55 | 30% PG | 852,000 | 82 | 50 / 100 | 44 / 56 | 16 | 0.22 | WATER |
| AHU-E1 | 551,000 | 94 | 79 / 67 | 55.0 | 145 / 120 | 10 | 0.68 | 30% PG | 607,000 | 60 | 50 / 90 | 44 / 56 | 12 | 0.39 | WATER |

| ROOFTOP AIR HANDLING UNIT SCHEDULE - 23 74 XX | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| IDENTITY DATA | | | | SUPPLY FAN | | | GAS HEATING DATA | | ELECTRICAL DATA |
| MARK | MANUFACTURER | MODEL | LOCATION | AIRFLOW (CFM) | MIN. OA (CFM) | ESP (IN-WG) | INPUT (BTUH) | OUTPUT (BTUH) | VOLTS / PH / HZ | MCA (A) |
| RTU-D1 | BRYANT | 581BEV150220 | UNIT J | 4,300 | 500 | 3/4 | 180000 / 224000 | 147000 / 183000 | 460 / 3 / 60 | 35.2 |

| HYDRONIC PROP UNIT HEATER SCHEDULE - 23 82 39.16 | | | | | | | |
|---|---|---|---|---|---|---|---|
| IDENTITY DATA | | | HEATING DATA | | | FAN DATA | ELECTRICAL DATA | |
| MARK | MANUFACTURER | MODEL | CAPACITY (BTUH) | EWT / LWT (°F) | FLOW (GPM) | AIRFLOW (CFM) | VOLTS / PH / HZ | MCA (A) |
| UH-1 | REZNOR | 12ER8 | 2,800 | 140 / 120 | 1.0 | 320 | 120 / 1 / 60 | 0.7 |
| UH-3 | REZNOR | 88ER14 | 48,000 | 140 / 120 | 6.0 | 1,500 | 120 / 1 / 60 | 3.0 |
| UH-4 | REZNOR | 88ER14 | 48,000 | 140 / 120 | 6.0 | 1,500 | 120 / 1 / 60 | 3.0 |
| CH-1 | INTERNATIONAL | CBY-03 | 18,900 | 140 / 120 | 2.0 | 300 | 120 / 1 / 60 | 0.5 |
| CH-2 | INTERNATIONAL | CBY-03 | 22,100 | 140 / 120 | 2.5 | 500 | 120 / 1 / 60 | 1.3 |

1

| EXISTING RELIEF FAN SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IDENTITY DATA | | | | | | | | | ELECTRICAL DATA | |
| MARK | MANUFACTURER | MODEL | DRIVE TYPE | AIRFLOW (CFM) | ESP (IN-WG) | RPM | HP | UNIT CONTROL | VOLT/PH/HZ | NOTES |
| RF-A1 | GREENHECK | QEI-27 | BELT | 14000 | 1.00 | 1059 | 5.00 | BMS | 460/3/60 | - |
| RF-E1 | GREENHECK | QEI-27 | BELT | 14000 | 1.00 | 1059 | 5.00 | BMS | 460/3/60 | - |
| RF-B1 | GREENHECK | QEI-27 | BELT | 14000 | 1.00 | 1059 | 5.00 | BMS | 460/3/60 | - |
| RF-B2 | GREENHECK | QEI-27 | BELT | 14000 | 1.00 | 1059 | 5.00 | BMS | 460/3/60 | - |

LANCER ASSOCIATES ARCHITECTURE
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RICHLAND-BEAN BLOSSOM CSC EDGEWOOD
PRIMARY SCHOOL RENOVATIONS

7700 W REEVES RD,
ELLETTSVILLE, IN 47404

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-2026 | ADDENDUM #3 |

90% CONSTRUCTION DOCUMENTS

PROJECT: #23117
DATE: 05-25-2026
DRAWN BY: AM / JR

MECHANICAL SCHEDULES

M-602

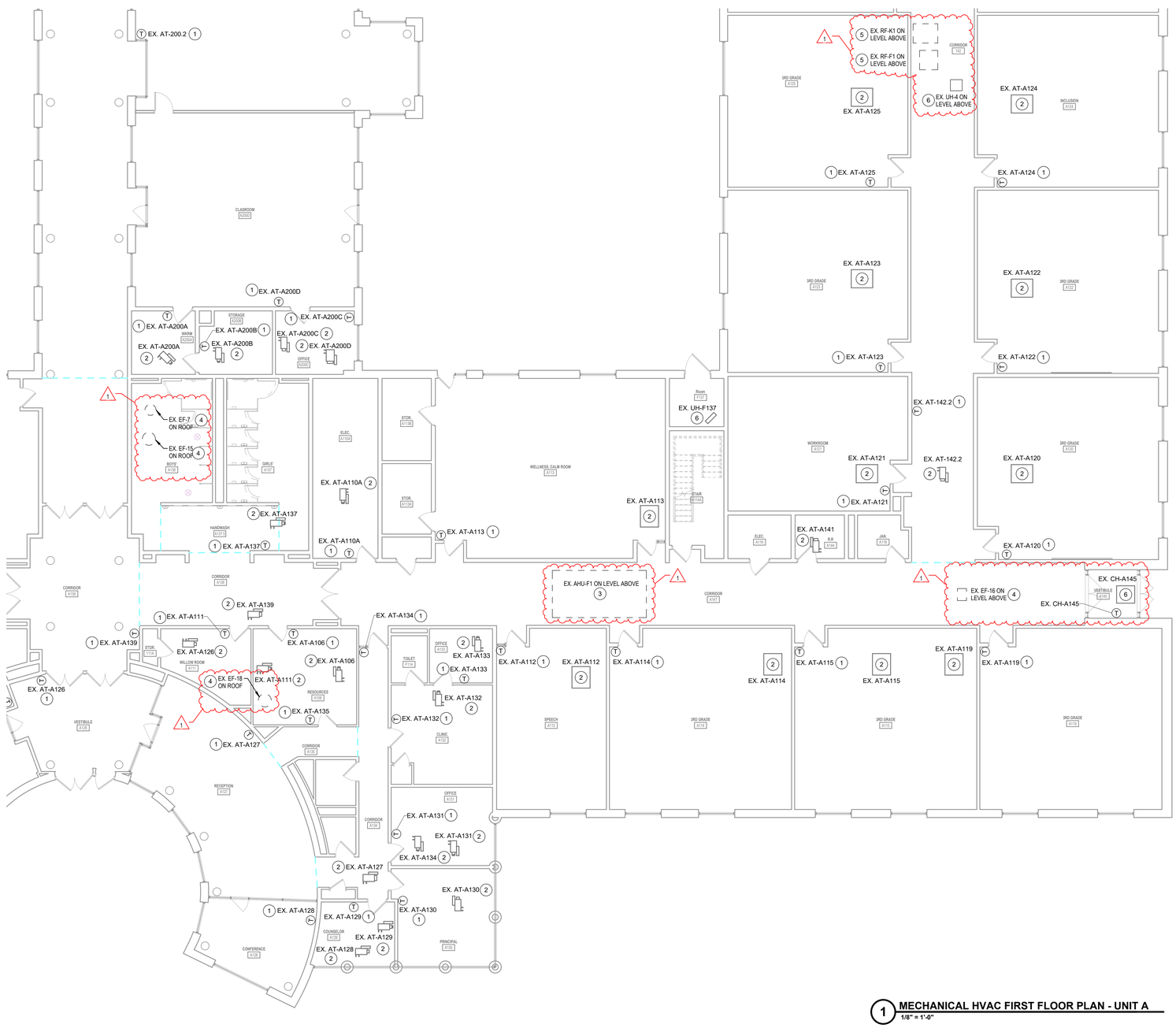
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## GENERAL MECHANICAL NOTES

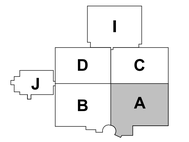
A DARK LINES INDICATE NEW WORK.
B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

## MECHANICAL HVAC PLAN NOTES

1 REMOVE EXISTING SPACE TEMPERATURE SENSOR. PROVIDE SPACE TEMPERATURE SENSOR AND CONTROL CABLING TO NEW DDC CONTROLLER FOR EXISTING EQUIPMENT BEING CONTROLLED. FIELD VERIFY LOCATIONS OF UNITS AND CONTROLS.
2 REMOVE EXISTING CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. MAINTAIN EXISTING SEQUENCE OF OPERATION. PROVIDE PRE-DEMOLITION FLOW READINGS FOR VAV TERMINAL UNITS FOR FULL COOLING, MINIMUM COOLING, REHEAT, AND ANY OTHER SETTINGS. DOCUMENT FLOW RATE OF TEMPERATURE CONTROL VALVE AT FULL HEATING. REBALANCE AIRFLOW RATES AND HEATING HOT WATER FLOW RATES DOCUMENTED AT COMPLETION OF CONTROLS REPLACEMENT. REFER TO VAV TERMINAL UNIT SCHEDULES ON DRAWING M-601 FOR REFERENCE. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.
3 PROVIDE NEW CONTROLLER FOR MULTIPLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO VAV AIR HANDLING UNIT SEQUENCE OF OPERATION ON M-701. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH FAN IN AHU. FIELD VERIFY LOCATION OF VFD. REFER TO SCHEDULES ON DRAWING M-602 FOR VFD HORSEPOWER AND VOLTAGE. FIELD VERIFY HORSEPOWER AND VOLTAGE. TCC MUST INCLUDE DISCONNECTION AND RECONNECTION OF ELECTRICAL POWER TO VFD BY ELECTRICAL SUB-CONTRACTOR IN THEIR BID. PROVIDE PRE-DEMOLITION FLOW READINGS AT 100% SUPPLY FAN SETTING AND REBALANCE AIRFLOW TO DOCUMENTED VALUE AFTER CONTROLS REPLACEMENT. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.
4 REMOVE EXISTING CONTROL WIRE FROM EXHAUST FAN STARTER AND EXISTING EXHAUST FAN CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. FIELD VERIFY LOCATION OF MOTOR STARTER. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN ON OWNER DEFINED SCHEDULE AND MONITOR STATUS AT OPERATOR WORK STATION. DOCUMENT EXISTING SEQUENCE OF OPERATION PRIOR TO DEMOLITION. IF EXISTING SEQUENCE VARIES FROM ABOVE, MAINTAIN EXISTING SEQUENCE OF OPERATION.
5 PROVIDE NEW CONTROLLER FOR RELIEF FANS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - RELIEF AIR" ON DRAWING M-701. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH RELIEF FAN. FIELD VERIFY LOCATION OF VFD. REFER TO SCHEDULES ON DRAWING M-602 FOR VFD HORSEPOWER AND VOLTAGE. FIELD VERIFY HORSEPOWER AND VOLTAGE. TCC MUST INCLUDE DISCONNECTION AND RECONNECTION OF ELECTRICAL POWER TO VFD BY ELECTRICAL SUB-CONTRACTOR IN THEIR BID.
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7 PROVIDE NEW CONTROLLER TO PROVIDE COMMUNICATION FROM PACKAGE RTU CONTROLLER AND BUILDING AUTOMATION SYSTEM. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING RTU AND NEW CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION AND POINTS LIST VISIBLE AT THE EXISTING OPERATOR WORKSTATION GRAPHIC.
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12 EQUIPMENT IS PART OF A PACKAGED VRF SYSTEM. FEILD VERIFY EXISTING MONITORING POINTS CONNECTED TO BMS OPERATOR WORKSTATION FOR THIS EQUIPMENT, IF ANY. MAINTAIN SAME LEVEL OF VISIBILITY AND CONTROL THAT EXISTS FROM THE EXISTING OPERATOR WORKSTATION.
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1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT A**
1/8" = 1'-0"





LANCER ASSOCIATES ARCHITECTURE
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Indianapolis, IN 46204 - 463-233-9765


# RICHLAND-BEAN BLOSSOM EDGEWOOD INTERMEDIATE SCHOOL RENOVATIONS
7600 W REEVES RD,
BLOOMINGTON, IN 47404

GABRIEL S. CURRIER REGISTERED No. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-202 6 | ADDENDUM #3 |

100% CONSTRUCTION DOCUMENTS

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| PROJECT: #23117 |
| DATE: 07-03-2026 |
| DRAWN BY: CSM |

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT A

MH101

PLOT DATE/TIME: 7/27/2026 10:41:28 AM

## GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.

B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

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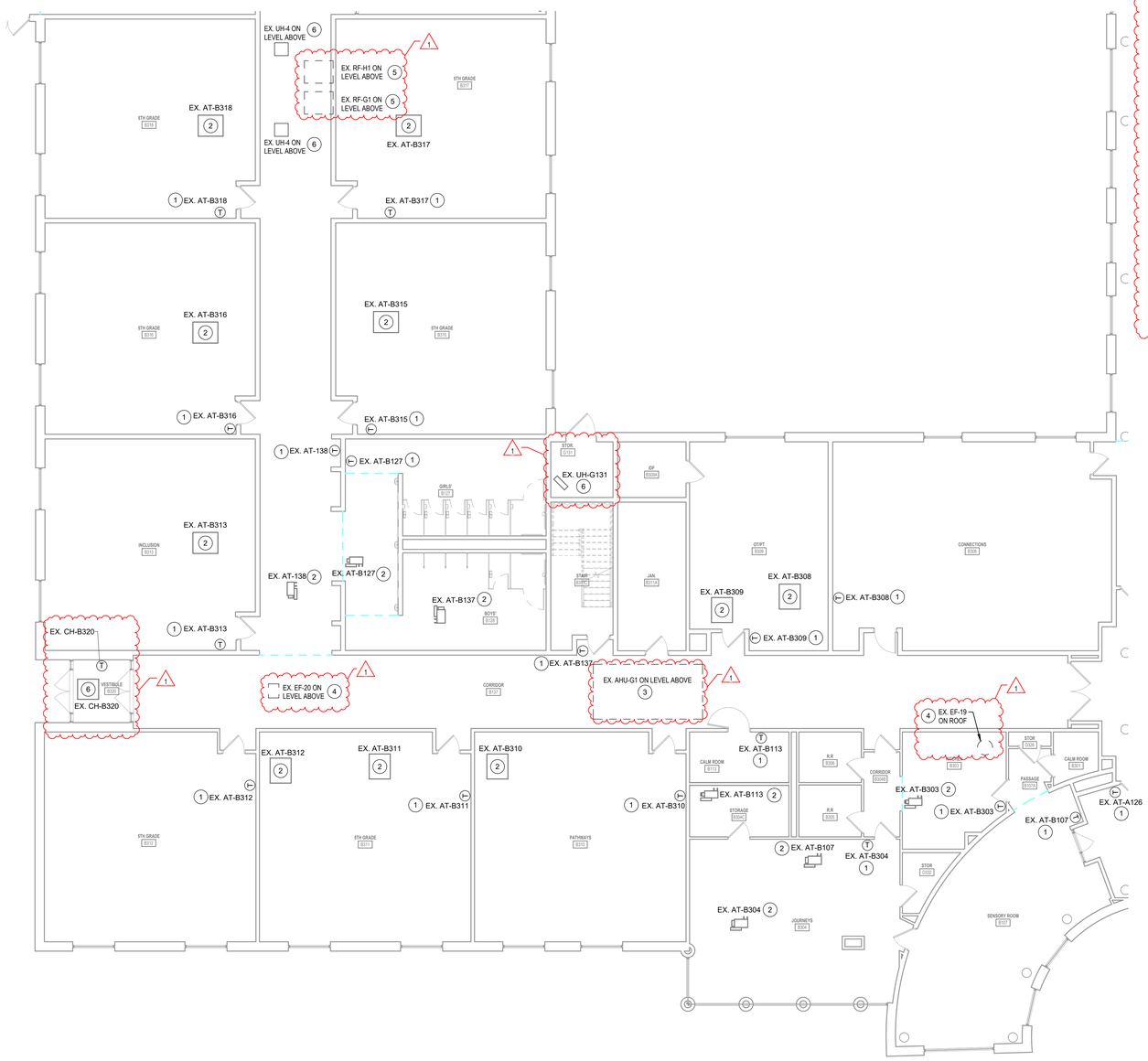
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1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT B**
1/8" = 1'-0"


LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE. SUITE 130
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creative engineering solutions
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GABRIEL S. CURRIER REGISTERED NO. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:

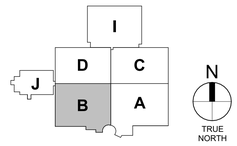
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| 1 | 07-27-202 | ADDENDUM #3 |

100% CONSTRUCTION DOCUMENTS

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| PROJECT: #23117 |
| DATE: 07-03-2026 |
| DRAWN BY: CSM |

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT B

MH102




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TRUE NORTH

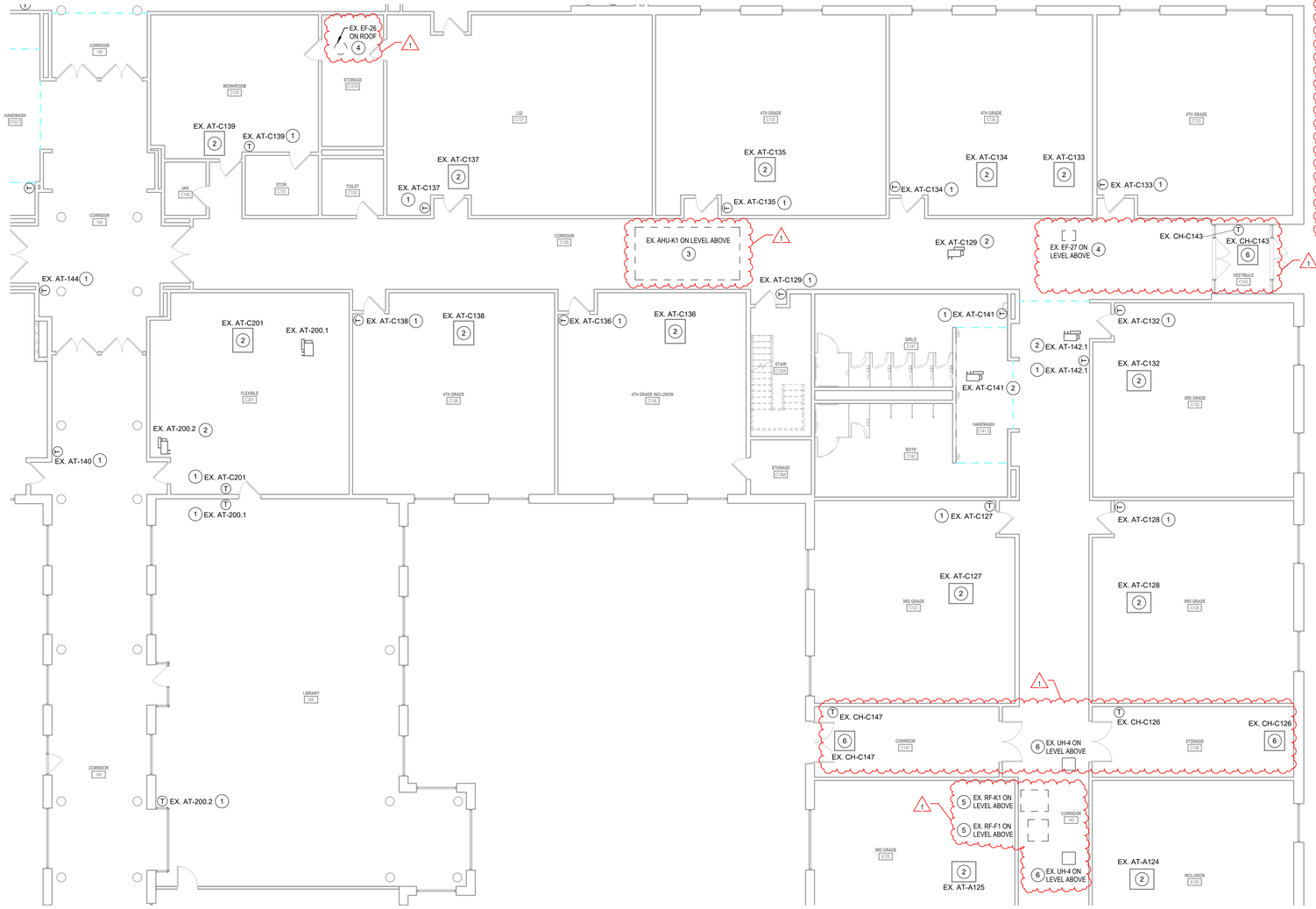
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## GENERAL MECHANICAL NOTES

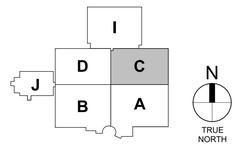
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1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT C**
1/8" = 1'-0"




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BLOOMINGTON, IN 47404

GABRIEL S. CURGILER REGISTERED NO. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

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|---|---|---|
| 1 | 07-27-202 | ADDENDUM #3 |

100% CONSTRUCTION DOCUMENTS

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| PROJECT: #23117 |
| DATE: 07-03-2026 |
| DRAWN BY: CSM |

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT C

MH103

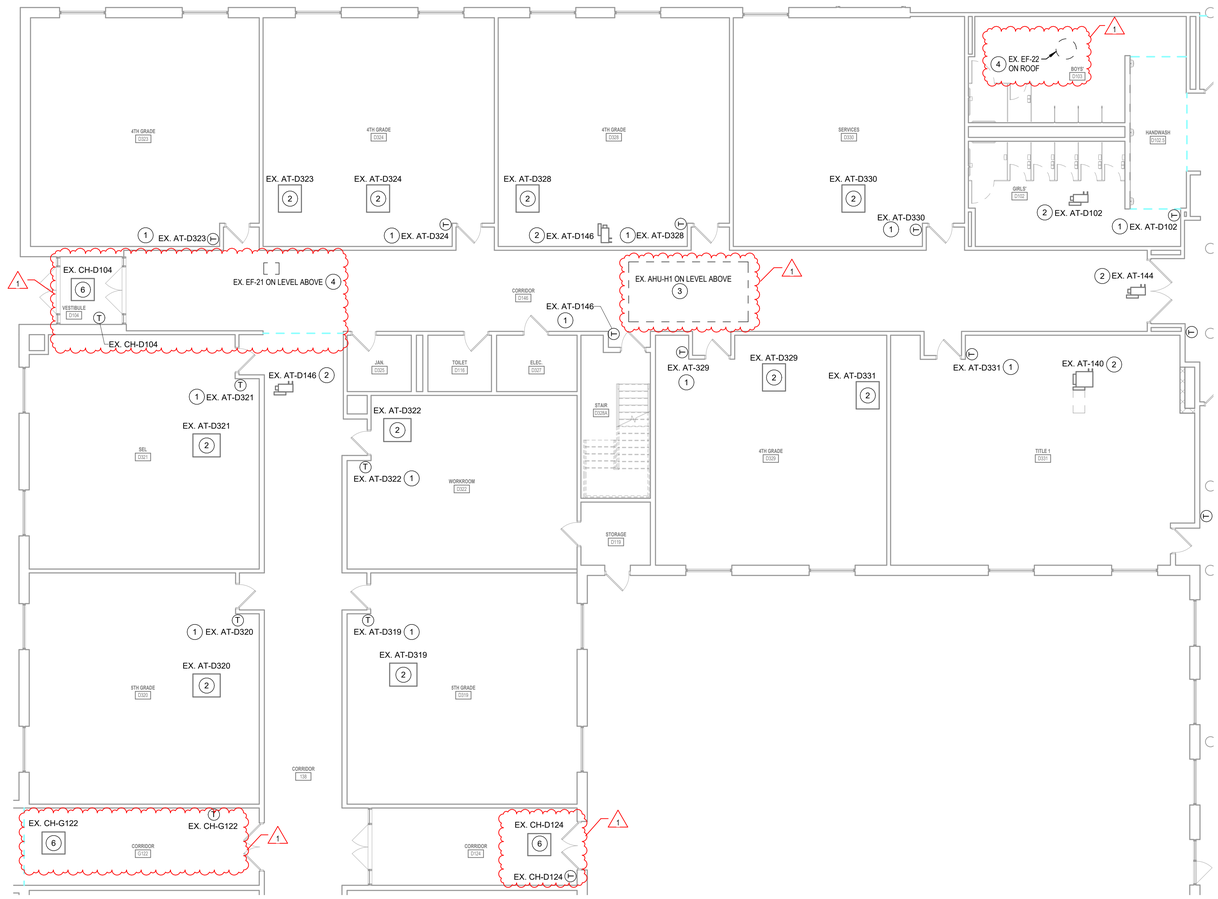
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## GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.
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GABRIEL S. CARRIER
REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

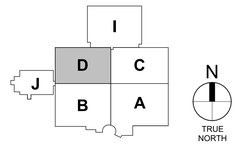
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DATE: 07-03-2026
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MECHANICAL HVAC FIRST FLOOR PLAN - UNIT D

MH104



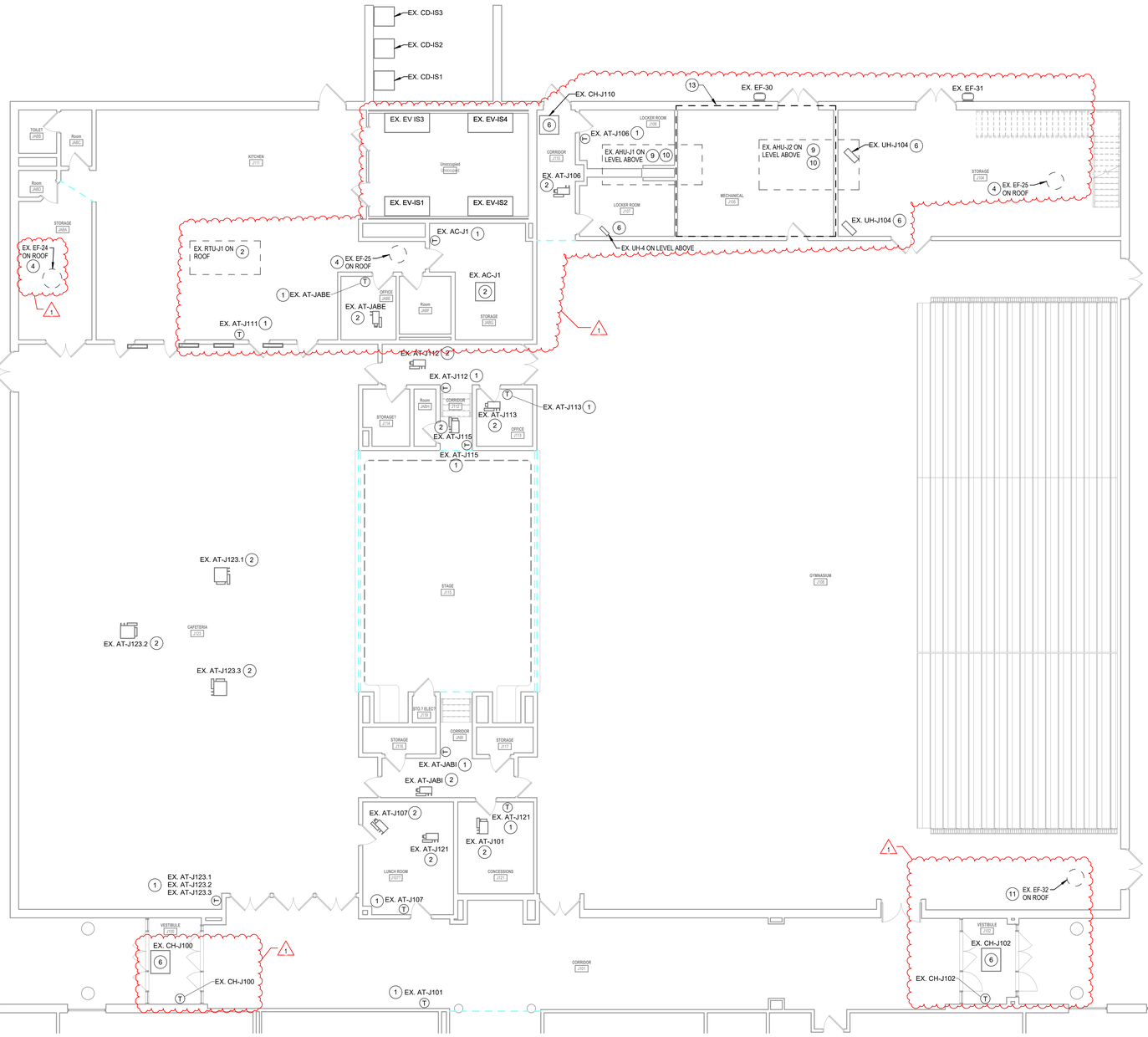

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## GENERAL MECHANICAL NOTES

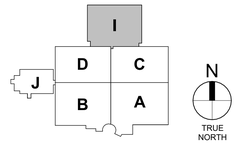
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| PROJECT: #23117 |
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MECHANICAL HVAC FIRST FLOOR PLAN - UNIT I

MH105

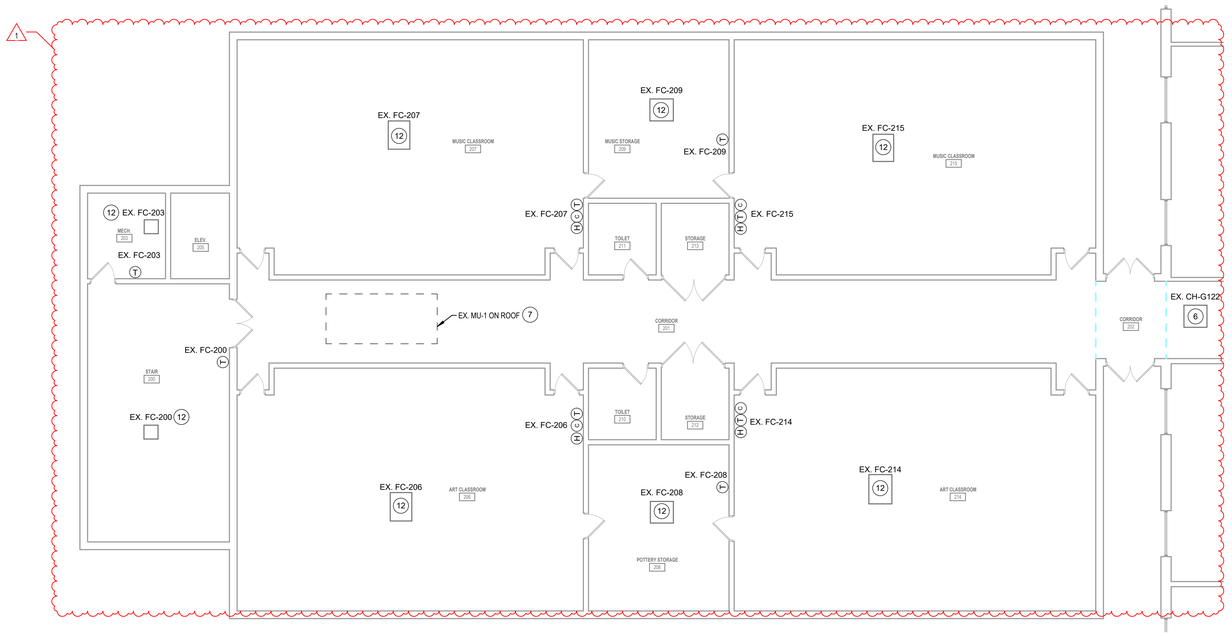
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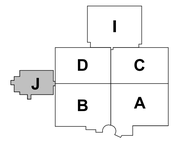
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5 PROVIDE NEW CONTROLLER FOR RELIEF FANS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - RELIEF AIR" ON DRAWING M-701. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH RELIEF FAN. FIELD VERIFY LOCATION OF VFD. REFER TO SCHEDULES ON DRAWING M-602 FOR VFD HORSEPOWER AND VOLTAGE. FIELD VERIFY HORSEPOWER AND VOLTAGE. TCC MUST INCLUDE DISCONNECTION AND RECONNECTION OF ELECTRICAL POWER TO VFD BY ELECTRICAL SUB-CONTRACTOR IN THEIR BID.
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7 PROVIDE NEW CONTROLLER TO PROVIDE COMMUNICATION FROM PACKAGE RTU CONTROLLER AND BUILDING AUTOMATION SYSTEM. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING RTU AND NEW CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION AND POINTS LIST VISIBLE AT THE EXISTING OPERATOR WORKSTATION GRAPHIC.
8 REMOVE EXISTING AHU/RTU TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW AHU/RTU DDC CONTROLLER.
9 PROVIDE NEW CONTROLLER FOR GYMNASIUM AHU WITH TWO-SPEED MOTOR. EXISTING MOTOR STARTER/CONTROLLER REMAINS. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING MOTOR STARTER/CONTROLLER, CONTROL VALVE ACTUATORS, INCLUDING DUCT MOUNTED REHEAT COIL CONTROL VALVE, AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - TWO SPEED AHU CONTROL" ON DRAWING M-701. FIELD VERIFY LOCATION OF MOTOR STARTER/CONTROLLER. REFER TO SCHEDULES ON DRAWING M-602. REBALANCE AIRFLOWS TO VALUES IN SCHEDULES AFTER CONTROLS REPLACEMENT. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.
10 PROVIDE NEW CONTROLLER AND COMMUNICATIONS WIRING TO EXISTING RELIEF AIR DAMPER ON LEVEL ABOVE, ASSOCIATED WITH AHU. MAINTAIN EXISTING DPT. FIELD VERIFY LOCATOIN OF DAMPER ACTUATOR AND DPT. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING DPT AND CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - RELIEF AIR" ON DRAWING M-701.
11 REMOVE EXISTING CONTROL WIRING FROM EXHAUST FAN STARTER AND EXISTING EXHAUST FAN CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. EXISTING DPT REMAINS. FIELD VERIFY LOCATION OF MOTOR STARTER AND DPT. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN WHEN SPACE STATIC PRESSURE EXCEEDS 0.05" WG. MONITOR EXHAUST FAN STATUS AT OPERATOR WORK STATION. DOCUMENT EXISTING SEQUENCE OF OPERATION PRIOR TO DEMOLITION. IF EXISTING SEQUENCE VARIES FROM ABOVE, MAINTAIN EXISTING SEQUENCE OF OPERATION.
12 EQUIPMENT IS PART OF A PACKAGED VRF SYSTEM. FEILD VERIFY EXISTING MONITORING POINTS CONNECTED TO BMS OPERATOR WORKSTATION FOR THIS EQUIPMENT, IF ANY. MAINTAIN SAME LEVEL OF VISIBILITY AND CONTROL THAT EXISTS FROM THE EXISTING OPERATOR WORKSTATION.
13 PROVIDE NEW CONTROLS COMMUNICATIONS WIRING, DDC CONTROLLERS, AND SOFTWARE PROGRAMMING FOR CENTRAL HEATING HOT WATER AND CENTRAL CHILLED WATER SYSTEMS. EXISTING CONTROLS DEVICES REMAIN, INCLUDING, BUT NOT LIMITED TO, VFDs AND TERMPERATURE CONTROL VALVES, AND SENSORS. REFER TO SYSTEM DIAGRAMS AND SEQUENCES OF OPERATION ON DRAWING M-702.




1 MECHANICAL HVAC FIRST FLOOR PLAN - UNIT J
1/8" = 1'-0"




N
TRUE NORTH


LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE. SUITE 130
INDIANAPOLIS, IN 46203

creative engineering solutions
mechanical - electrical - plumbing
602 N. Capitol Ave, Suite 200
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RICHLAND-BEAN BLOSSOM EDGEWOOD INTERMEDIATE SCHOOL RENOVATIONS
7600 W REEVES RD,
BLOOMINGTON, IN 47404

GABRIEL S. CORRIER REGISTERED NO. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:

| # | Date | Desc. |
|---|---|---|
| 1 | 07-27-202 6 | ADDENDUM #3 |

100% CONSTRUCTION DOCUMENTS

| |
|---|
| PROJECT: #23117 |
| DATE: 07-03-2026 |
| DRAWN BY: CSM |

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT J

MH106

PLOT DATE/TIME: 7/27/2026 10:41:49 AM

## EXISTING EXHAUST FAN SCHEDULE

| IDENTITY DATA | | | DRIVE TYPE | AIRFLOW (CFM) | ESP (IN-WG) | RPM | HP | UNIT CONTROL | ELECTRICAL DATA | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | | | | | | | VOLT/PH/HZ | |
| EF-7 | GREENHECK | GW-140 | DIRECT | 1800 | 0.125 | 1140 | 1/4 | BMS | 120/60/1 | - |
| EF-15 | GREENHECK | GB-140 | BELT | 1700 | 0.25 | 1075 | 1/4 | BMS | 120/60/1 | - |
| EF-16 | GREENHECK | BSQ-80 | BELT | 300 | 0.25 | 1000 | 1/4 | BMS | 120/60/1 | - |
| EF-17 | GREENHECK | CUBE-95 | BELT | 500 | 0.25 | 1285 | 1/4 | BMS | 120/60/1 | - |
| EF-18 | GREENHECK | GB-90 | BELT | 450 | 0.25 | 900 | 1/4 | BMS | 120/60/1 | - |
| EF-19 | GREENHECK | GB-80 | BELT | 350 | 0.25 | 1000 | 1/4 | BMS | 120/60/1 | - |
| EF-20 | GREENHECK | BSQ-120 | BELT | 2150 | 0.50 | 2079 | 1 | BMS | 460/60/3 | - |
| EF-21 | GREENHECK | BSQ-70 | BELT | 350 | 0.25 | 1834 | 1/4 | BMS | 120/60/1 | - |
| EF-22 | GREENHECK | GB-130 | BELT | 1600 | 0.25 | 1238 | 1/3 | BMS | 120/60/1 | - |
| EF-23 | GREENHECK | GB-200 | BELT | 5000 | 0.125 | 937 | 1 | BMS | 460/60/3 | - |
| EF-24 | GREENHECK | GB-80 | BELT | 300 | 0.25 | 900 | 1/6 | BMS | 120/60/1 | - |
| EF-25 | GREENHECK | GB-100 | BELT | 1050 | 0.25 | 1398 | 1/4 | BMS | 120/60/1 | - |
| EF-26 | GREENHECK | GB-80 | BELT | 500 | 0.25 | 1230 | 1/4 | BMS | 120/60/1 | - |
| EF-27 | GREENHECK | BSQ-120 | BELT | 1650 | 0.50 | 1682 | 1/2 | BMS | 120/60/1 | - |
| EF-29 | GREENHECK | G-150B | DIRECT | 2000 | 0.125 | 1140 | 1/4 | BMS | 120/60/1 | - |
| EF-30 | GREENHECK | GW-85-D | DIRECT | 500 | 0.125 | 1550 | 1/20 | BMS | 120/60/1 | - |
| EF-31 | GREENHECK | GW-65-D | DIRECT | 200 | 0.125 | 1550 | 1/30 | BMS | 120/60/1 | - |

## FAN POWERED TERMINAL UNIT WITH HOT WATER REHEAT SCHEDULE

| IDENTITY DATA | | | | AIRFLOW DATA | | REHEAT COIL DATA | | | | | | FAN DATA | | ELECTRICAL DATA | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | INLET DIAMETER | FAN AIRFLOW (CFM) | PRIMARY AIR MAX (CFM) | CAPACITY (BTUH) | EAT / LAT (°F) | FLOW (GPM) | EWT / LWT (°F) | VALVE TYPE | LINE SIZE (IN) | ESP (IN WG) | HP | VOLTS / PH / HZ | FLA (A) | NOTES |
| AT-A130 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-A153 | ENVIRO-TEC | CFR-WC-1018 | 10" | 1,200 | 450 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1/ 60 | 3.6 | 1 |
| AT-A155 | ENVIRO-TEC | CFR-WC-1018 | 10" | 1,200 | 450 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1/ 60 | 3.6 | 1 |
| AT-A309 | ENVIRO-TEC | CFR-WC-0811 | 8" | 800 | 300 | 26,000 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277 / 1 / 60 | 1.9 | 1 |
| AT-A310 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-A311 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-A312 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-A313 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-A316 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-A317 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-A318 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-A319 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-B111 | ENVIRO-TEC | CFR-WC-0606 | 6" | 500 | 200 | 16,200 | 60 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/6 | 277 / 1/ 60 | 0.9 | 1 |
| AT-B114 | ENVIRO-TEC | CFR-WC-0606 | 6" | 500 | 200 | 16,200 | 60 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/6 | 277 / 1/ 60 | 0.9 | 1 |
| AT-B115 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-B119 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-B121 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-B122 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-B154 | ENVIRO-TEC | CFR-WC-0606 | 6" | 400 | 0 | 17,400 | 60 / 100 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277 / 1/ 60 | 0.9 | 1 |
| AT-B156 | ENVIRO-TEC | CFR-WC-1018 | 10" | 1,200 | 450 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1/ 60 | 3.6 | 1 |
| AT-B157 | ENVIRO-TEC | CFR-WC-0604 | 6" | 350 | 75 | 10,000 | 60 / 90 | 1.5 | 140 / 120 | 2-WAY | 3/4 | 0.3 | 1/6 | 277 / 1/ 60 | 0.5 | 1 |
| AT-B158 | ENVIRO-TEC | CFR-WC-0504 | 5" | 250 | 100 | 6,800 | 60 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 0.3 | 1/13 | 277 / 1/ 60 | 0.5 | 1 |
| AT-B160 | ENVIRO-TEC | CFR-WC-0604 | 6" | 375 | 100 | 11,000 | 60 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 0.3 | 1/13 | 277 / 1/ 60 | 0.5 | 1 |
| AT-B161 | ENVIRO-TEC | CFR-WC-0404 | 4" | 200 | 75 | 6,500 | 60 / 90 | 1.5 | 140 / 120 | 2-WAY | 3/4 | 0.3 | 1/13 | 277 / 1/ 60 | 0.5 | 1 |
| AT-B179 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-B232 | ENVIRO-TEC | CFR-WC-0811 | 8" | 750 | 250 | 26,000 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277 / 1/ 60 | 1.9 | 1 |
| AT-B237 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-C322 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-C323 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-C324 | ENVIRO-TEC | CFR-WC-0811 | 8" | 750 | 250 | 26,000 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277 / 1/ 60 | 1.9 | 1 |
| AT-C325 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-C326 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-C327 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-C331 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-C332 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,050 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-C333 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-C334 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-D124 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-D125 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-D127 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,050 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1/ 60 | 3.6 | 1 |
| AT-D128 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,400 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.52 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-D129 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,450 | 600 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-D130 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-D131 | ENVIRO-TEC | CFR-WC-1021 | 10" | 1,350 | 550 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 3/4 | 277 / 1/ 60 | 4.3 | 1 |
| AT-D132 | ENVIRO-TEC | CFR-WC-0818 | 8" | 1,000 | 450 | 32,500 | 60 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1 / 60 | 3.6 | 1 |
| AT-D134 | ENVIRO-TEC | CFR-WC-0811 | 8" | 900 | 350 | 28,000 | 60 / 100 | 4.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277 / 1/ 60 | 1.9 | 1 |
| AT-D173 | ENVIRO-TEC | CFR-WC-1640 | 16" | 2,500 | 0 | 80,000 | 65 / 100 | 4.0 | 140 / 120 | 2-WAY | 3/4 | 0.65 | 3/4 (2) | 277 / 1/ 60 | 8.2 | 1 |
| AT-D201 | ENVIRO-TEC | CFR-WC-1018 | 10" | 1,300 | 450 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1/ 60 | 3.6 | 1 |
| AT-D244.1 | ENVIRO-TEC | CFR-WC-1224 | 12" | 2,000 | 800 | 60,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.6 | 1.0 | 277 / 1/ 60 | 4.5 | 1 |
| AT-D244.2 | ENVIRO-TEC | CFR-WC-1018 | 10" | 1,200 | 450 | 42,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.5 | 1/2 | 277 / 1/ 60 | 3.6 | 1 |
| AT-D245 | ENVIRO-TEC | CFR-WC-1224 | 12" | 2,000 | 800 | 60,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.6 | 1.0 | 277 / 1/ 60 | 4.5 | 1 |
| AT-E101 | ENVIRO-TEC | CFR-WC-1224 | 12" | 1,550 | 700 | 50,000 | 60 / 90 | 3.0 | 140 / 120 | 2-WAY | 3/4 | 0.65 | 1.0 | 277 / 1/ 60 | 4.5 | 1 |
| AT-E103.1 | ENVIRO-TEC | CFR-WC-1640 | 16" | 2,300 | 1,050 | 75,000 | 60 / 90 | 4.0 | 140 / 120 | 2-WAY | 3/4 | 0.6 | 3/4 (2) | 277 / 1/ 60 | 8.2 | 1 |
| AT-E103.2 | ENVIRO-TEC | CFR-WC-1640 | 16" | 2,300 | 1,050 | 75,000 | 60 / 90 | 4.0 | 140 / 120 | 2-WAY | 3/4 | 0.6 | 3/4 (2) | 277 / 1/ 60 | 8.2 | 1 |
| AT-E103.3 | ENVIRO-TEC | CFR-WC-1640 | 16" | 2,300 | 1,050 | 75,000 | 60 / 90 | 4.0 | 140 / 120 | 2-WAY | 3/4 | 0.6 | 3/4 (2) | 277 / 1/ 60 | 8.2 | 1 |
| AT-E108 | ENVIRO-TEC | CFR-WC-1011 | 10" | 1,000 | 300 | 28,000 | 65 / 90 | 2.0 | 140 / 120 | 2-WAY | 3/4 | 0.4 | 1/4 | 277 / 1/ 60 | 1.9 | 1 |

**TERMINAL UNIT WITH HOT WATER REHEAT SCHEDULE NOTES:**

1. EXISTING TERMINAL UNIT. FIELD VERIFY LINE SIZE AND CONTROL VALVE TYPE.

## TERMINAL UNIT WITH HOT WATER REHEAT SCHEDULE

| IDENTITY DATA | | | | AIRFLOW DATA | | | REHEAT COIL DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | INLET DIAMETER | MAX. COOLING (CFM) | HEATING (CFM) | MIN. COOLING (CFM) | CAPACITY (BTUH) | EAT / LAT (°F) | FLOW (GPM) | EWT / LWT (°F) | VALVE TYPE | LINE SIZE (IN) | NOTES |
| AT-A106 | ENVIRO-TEC | SDR-WC-05 | 5" | 250 | 125 | 125 | 4,700 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A110A | ENVIRO-TEC | SDR-WC-05 | 5" | 300 | 150 | 150 | 5,600 | 55 / 90 | 0.75 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A111 | ENVIRO-TEC | SDR-WC-04 | 4" | 100 | 100 | 50 | 2,500 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A131 | ENVIRO-TEC | SDR-WC-05 | 5" | 275 | 150 | 150 | 5,600 | 55 / 90 | 0.75 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A133 | ENVIRO-TEC | SDR-WC-04 | 4" | 100 | 100 | 50 | 2,500 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A134 | ENVIRO-TEC | SDR-WC-04 | 4" | 100 | 100 | 50 | 2,500 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A137 | ENVIRO-TEC | SDR-WC-06 | 6" | 400 | 250 | 200 | 7,600 | 55 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A139 | ENVIRO-TEC | SDR-08 | 8" | 600 | - | 0 | - | - | - | - | - | - | 2 |
| AT-A141 | ENVIRO-TEC | SDR-08 | 8" | 800 | - | 0 | - | - | - | - | - | - | 2 |
| AT-A200A | ENVIRO-TEC | SDR-WC-04 | 4" | 100 | 100 | 50 | 2,500 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A200B | ENVIRO-TEC | SDR-WC-04 | 4" | 100 | 100 | 50 | 2,500 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-A200C | ENVIRO-TEC | SDR-WC-04 | 4" | 125 | 125 | 50 | 4,700 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-B113 | ENVIRO-TEC | SDR-WC-05 | 5" | 200 | 125 | 100 | 3,800 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-B127 | ENVIRO-TEC | SDR-WC-06 | 6" | 400 | 250 | 200 | 7,600 | 55 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-B137 | ENVIRO-TEC | SDR-08 | 8" | 800 | - | 0 | - | - | - | - | - | - | 2 |
| AT-B138 | ENVIRO-TEC | SDR-08 | 8" | 600 | - | 0 | - | - | - | - | - | - | 2 |
| AT-B303 | ENVIRO-TEC | SDR-WC-05 | 5" | 225 | 125 | 100 | 3,800 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-C129 | ENVIRO-TEC | SDR-08 | 8" | 600 | - | 0 | - | - | - | - | - | - | 2 |
| AT-C141 | ENVIRO-TEC | SDR-WC-06 | 6" | 400 | 250 | 200 | 7,600 | 55 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-D102 | ENVIRO-TEC | SDR-WC-06 | 6" | 400 | 250 | 200 | 7,600 | 55 / 90 | 1.0 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-D146 | ENVIRO-TEC | SDR-08 | 8" | 600 | - | 0 | - | - | - | - | - | - | 2 |
| AT-J106 | ENVIRO-TEC | SDR-WC-05 | 5" | 200 | 125 | 100 | 3,800 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-J107 | ENVIRO-TEC | SDR-WC-05 | 5" | 250 | 125 | 125 | 4,700 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-J113 | ENVIRO-TEC | SDR-WC-04 | 4" | 75 | 75 | 35 | 2,800 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| AT-J121 | ENVIRO-TEC | SDR-WC-04 | 4" | 150 | 125 | 75 | 3,000 | 55 / 90 | 0.5 | 140 / 120 | 2-WAY | 3/4 | 1 |
| TBD | ENVIRO-TEC | SDR-06 | 6" | 400 | - | 0 | - | - | - | - | - | - | 2 |
| TBD | ENVIRO-TEC | SDR-04 | 4" | 100 | - | 0 | - | - | - | - | - | - | 2 |

**VAV BOX WITH HOT WATER REHEAT SCHEDULE NOTES:**

1. EXISTING TERMINAL UNIT. FIELD VERIFY LINE SIZE AND CONTROL VALVE TYPE.
2. TERMINAL UNIT IS A SHUT-OFF BOX WITHOUT REHEAT COIL.


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PROJECT: #23117
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MECHANICAL SCHEDULES

M-601

PLOT DATE/TIME:7/27/2026 10:41:49 AM

## ROOFTOP AIR HANDLING UNIT SCHEDULE - 23 74 XX

| IDENTITY DATA | | | | SUPPLY FAN | | | GAS HEATING DATA | | ELECTRICAL DATA | |
|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | LOCATION | AIRFLOW (CFM) | MIN. OA (CFM) | ESP (IN-WG) | INPUT (BTUH) | OUTPUT (BTUH) | VOLTS / PH / HZ | MCA (A) |
| RTU-J1 | BRYANT | 581BEV150220 | UNIT J | 4,300 | 500 | 3/4 | 180000 / 224000 | 147000 / 183000 | 460 / 3 / 60 | 35.2 |

## AHU SCHEDULE (CONTINUED)

| | COOLING COIL DATA | | | | | | | | REHEAT COIL DATA | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARK | TOTAL CAP. (BTUH) | FLOW (GPM) | EAT (°F) DB/WB | LAT (°F) DB | EWT/LWT (°F) | WPD (FT-WG) | APD (IN-WG) | FLUID TYPE | CAPACITY (BTUH) | FLOW (GPM) | EAT / LAT (°F) | EWT/LWT (°F) | WPD (FT-WG) | APD (IN-WG) | FLUID TYPE |
| AHU-F1 | 635,000 | 105 | 79 / 67 | 55.0 | 140 / 120 | 11.2 | 0.65 | 30% PG | 710,000 | 70 | 50 / 90 | 44 / 56 | 9 | 0.22 | WATER |
| AHU-G1 | 551,000 | 94 | 79 / 67 | 55.0 | 141 / 120 | 10 | 0.68 | 30% PG | 607,000 | 60 | 50 / 90 | 44 / 56 | 12 | 0.39 | WATER |
| AHU-HA | 551,000 | 94 | 79 / 67 | 55.0 | 142 / 120 | 10 | 0.68 | 30% PG | 607,000 | 60 | 50 / 90 | 44 / 56 | 12 | 0.39 | WATER |
| AHU-J1 | 370,000 | 62 | 79 / 67 | 55.0 | 143 / 120 | 7.7 | 0.60 | 30% PG | 415,000 | 40 | 50 / 90 | 44 / 56 | 6.4 | 0.21 | WATER |
| AHU-J2 | 538,000 | 90 | 78 / 66 | 55.0 | 144 / 120 | 10 | 0.55 | 30% PG | 852,000 | 82 | 50 / 100 | 44 / 56 | 16 | 0.22 | WATER |
| AHU-K1 | 635,000 | 105 | 79 / 67 | 55.0 | 145 / 120 | 11.2 | 0.65 | 30% PG | 710,000 | 70 | 50 / 90 | 44 / 56 | 9 | 0.22 | WATER |

## AHU SCHEDULE

| IDENTITY DATA | | | | SUPPLY FAN DATA | | | | | SUPPLY FAN ELECTRICAL DATA |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | MOTOR | | |
| MARK | MANUFACTURER | MODEL | AREA SERVED | AIRFLOW (CFM) | MIN. OA (CFM) | ESP (IN-WG) | QTY | HP EA. | VOLTS / PH / HZ |
| AHU-F1 | MCQUAY | CAH035 | UNIT F | 16000 | 5600 | 3.5 | 1 | 25 | 460/3/60 |
| AHU-G1 | MCQUAY | CAH030 | UNIT G | 14000 | 4500 | 3.25 | 1 | 25 | 460/3/60 |
| AHU-H1 | MCQUAY | CAH030 | UNIT H | 14000 | 4500 | 3.25 | 1 | 25 | 460/3/60 |
| AHU-J1 | MCQUAY | CAH021 | UNIT J | 9500 | 1000 | 3.5 | 1 | 15 | 460/3/60 |
| AHU-J2 | MCQUAY | CAH035 | UNIT J | 15000 | 1500 | 1 | 1 | 15 | 460/3/60 |
| AHU-K1 | MCQUAY | CAH035 | UNIT K | 16000 | 5600 | 3.5 | 1 | 25 | 460/3/60 |

## HYDRONIC PROP UNIT HEATER SCHEDULE - 23 82 39.16

| IDENTITY DATA | | | HEATING DATA | | | FAN DATA | ELECTRICAL DATA | |
|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | CAPACITY (BTUH) | EWT / LWT (°F) | FLOW (GPM) | AIRFLOW (CFM) | VOLTS / PH / HZ | MCA (A) |
| UH-1 | REZNOR | 12ER8 | 2,800 | 140 / 120 | 1.0 | 320 | 120 / 1 / 60 | 0.7 |
| UH-3 | REZNOR | 88ER14 | 48,000 | 140 / 120 | 6.0 | 1,500 | 120 / 1 / 60 | 3.0 |
| UH-4 | REZNOR | 88ER14 | 48,000 | 140 / 120 | 6.0 | 1,500 | 120 / 1 / 60 | 3.0 |
| CH-1 | INTERNATIONAL | CBY-03 | 18,900 | 140 / 120 | 2.0 | 300 | 120 / 1 / 60 | 0.5 |
| CH-2 | INTERNATIONAL | CBY-03 | 22,100 | 140 / 120 | 2.5 | 500 | 120 / 1 / 60 | 1.3 |

1

## EXISTING RELIEF FAN SCHEDULE

| IDENTITY DATA | | | | | | | | | ELECTRICAL DATA | |
|---|---|---|---|---|---|---|---|---|---|---|
| MARK | MANUFACTURER | MODEL | DRIVE TYPE | AIRFLOW (CFM) | ESP (IN-WG) | RPM | HP | UNIT CONTROL | VOLT/PH/HZ | NOTES |
| RF-A1 | GREENHECK | QEI-27 | BELT | 14000 | 1.00 | 1059 | 5.00 | BMS | 460/3/60 | - |
| RF-E1 | GREENHECK | QEI-27 | BELT | 14000 | 1.00 | 1059 | 5.00 | BMS | 460/3/60 | - |
| RF-B1 | GREENHECK | QEI-27 | BELT | 14000 | 1.00 | 1059 | 5.00 | BMS | 460/3/60 | - |
| RF-B2 | GREENHECK | QEI-27 | BELT | 14000 | 1.00 | 1059 | 5.00 | BMS | 460/3/60 | - |

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PROJECT: #23117
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MECHANICAL SCHEDULES

M-602

PLOT DATE/TIME: 7/27/2026 10:41:59 AM

**BOILER CONTROL SCHEMATIC PLAN NOTES**

BOILER MANAGEMENT PANEL SUPPLIED BY BOILER MANUFACTURER AS A SEPARATE PANEL OR MAY BE FACTORY MOUNTED IN ONE OF THE BOILER MODULES. IN ADDITION TO DIGITAL CONTROL POINTS, PROVIDE BACNET MS/TP INTERFACE FROM DDC CONTROL SYSTEM TO BOILER MANAGEMENT PANEL. BOILER HEADER SENSOR (HOT WATER SUPPLY) ALSO PROVIDED BY BOILER MANUFACTURER TO BE WIRED BY TCC BACK TO BOILER MANAGEMENT PANEL. PROVIDE BOILER ALARM AND STATUS FOR EACH BOILER. MONITOR AT BOILER MANAGEMENT PANEL OR AT EACH BOILER PER MANUFACTURER REQUIREMENTS.

**HOT WATER MODE SEQUENCE OF OPERATION**

**HOT WATER SYSTEM ENABLE**: ENABLE HOT WATER SYSTEM (BLR-EN) BY THE BMS. DISABLE HOT WATER SYSTEM WHEN ALL AIR HANDLING SYSTEMS UTILIZING HOT WATER ARE UNOCCUPIED, THE OUTSIDE AIR TEMPERATURE IS ABOVE 55F AND NONE OF THE MECHANICAL EQUIPMENT IS REQUIRING HEATING HOT WATER.

**BOILER PUMP CONTROL**: EACH BOILER PUMP (BPN-C) SHALL START WHEN ITS RESPECTIVE BOILER OPERATION IS ENABLED BY THE BOILER MANAGEMENT SYSTEM. IF THE LEAD BOILER FAILS TO START, THE LAG BOILER AND PUMP SHALL START AND AN ALARM SHALL BE SENT TO THE FRONT END OPERATOR 'S TERMINAL. PUMP STATUS (BPn-S) SHALL BE PROVEN BEFORE BOILERS ARE ENABLED.

**HOT WATER RESET SCHEDULE**: THE HOT WATER SUPPLY TEMPERATURE (HWS-T) SETPOINT SHALL BE ON THE FOLLOWING RESET SCHEDULE (BLR-RST):

| OUTSIDE AIR TEMPERATURE (OA-T) | HOT WATER SUPPLY TEMPERATURE (HWS-T) |
|---|---|
| 70F | 110F |
| 0F | 140F |

**POINTS LIST**: THE FOLLOWING REPRESENTS THE MINIMUM POINTS TO BE PROVIDED AND VALUES CALCULATED TO BE DISPLAYED IN THE SYSTEM GRAPHICS. ADDITIONAL POINTS REQUIRED TO MEET THE SEQUENCE SHALL BE PROVIDED AND ALSO SHOWN. ALL OPERATING SETPOINTS SHALL BE ADJUSTABLE FROM THE FRONT END GRAPHICS.

BINARY INPUTS:
- HOT WATER PUMPS STATUS (HWPn-S)
- BOILER STATUS (BLRn-S)
- BOILER ALARM (BLRn-ALM)

BINARY OUTPUTS:
- HOT WATER PUMPS START/STOP (HWPn-C)
- BOILER ENABLE (BLR-EN)

ANALOG INPUTS:
- OUTSIDE AIR TEMPERATURE (OA-T)
- OUTSIDE AIR HUMIDITY (OA-H)
- HOT WATER SUPPLY TEMPERATURE (HWS-T)
- HOT WATER RETURN TEMPERATURE (HWR-T)
- DUAL TEMPERATURE SYSTEM RETURN WATER TEMPERATURE (DTR-T))
- HOT WATER SUPPLY FLOW (HWS-F)

ANALOG OUTPUTS:
- HOT WATER RESET SIGNAL (BLR-RST)
- HOT WATER PUMPS SPEED CONTROL (HWPn-O)
- HOT WATER BYPASS VALVE (HW-BYP)

CALCULATIONS:
- HOT WATER SYSTEM BTUS (INSTANTANEOUS, KBTU)
- HOT WATER SYSTEM BTUS (MONTHLY, MMBTU)

**CHILLED WATER SEQUENCE OF OPERATION**

**SYSTEM ENABLE:** THE CHILLED WATER SYSTEM SHALL BE ENABLED IF ANY SYSTEM UTILIZING CHILLED WATER IS IN AN OCCUPIED MODE AND THE OUTSIDE AIR TEMPERATURE IS ABOVE 55F (ADJ).

**SECONDARY CHILLED WATER PUMP CONTROL:** TWO LEAD SECONDARY CHILLED WATER PUMPS (SCWPN-C) SHALL START AND SLOWLY RAMP UP TO SPEED. IF A LEAD PUMP FAILS TO START, THE LAG PUMP SHALL START AND AN ALARM SHALL BE SENT TO THE FRONT END OPERATOR 'S TERMINAL. SECONDARY PUMP STATUS (SCWPN-S) SHALL BE PROVEN BEFORE THE PRIMARY CHILLED WATER PUMPS ARE ENABLED. LEAD/LAG OF PUMPS SHALL CYCLE ON A MONTHLY BASIS.

**DIFFERENTIAL PRESSURE CONTROL:** SECONDARY PUMP DIFFERENTIAL PRESSURE CONTROL: THE LEAD SYSTEM LOOP PUMP SHALL START AND RAMP UP TO THE SPEED REQUIRED TO MAINTAIN THE SYSTEM DIFFERENTIAL SETPOINT. MULTIPLE SYSTEM TRANSDUCERS SHALL BE MONITORED. THE WORST CASE SYSTEM PRESSURE SHALL CONTROL PUMP SPEED.

IF THE LEAD PUMP FAILS TO START, THE LAG PUMP SHALL START AND AN ALARM SHALL BE SENT TO THE FRONT END OPERATOR 'S TERMINAL.

IF THE LEAD PUMP IS UNABLE TO MAINTAIN SYSTEM DIFFERENTIAL, THE SECOND PUMP SHALL START AND BOTH PUMPS SHALL MODULATE TOGETHER AT THE SAME SPEED TO MAINTAIN SYSTEM DIFFERENTIAL SET POINT.

IF BOTH PUMPS ARE RUNNING BELOW 80% OF ONE PUMPS CAPACITY FOR 15 MINUTES, THE LAG PUMP THAT STARTED SHALL STOP.

ANY CIRCUMSTANCE THAT WOULD REQUIRE ONLY ONE PUMP TO RUN, A VFD HIGH LIMIT SHALL BE PUT IN PLACE TO KEEP THE PUMP FROM OVER-AMPING.

SYSTEM PRESSURE SHALL INITIALLY BE MAINTAINED AT 16PSI LOCATED IN MEZZANINE H AT AHU-H1. THE TEST AND BALANCE CONTRACTOR SHALL PROVIDE FINAL SETPOINT FOR CONTROL OF PUMP SPEED.

IF THE PUMP IS RUNNING AT MINIMUM AND THE LOOP SYSTEM PRESSURE IS ABOVE SETPOINT, THE LOOP SYSTEM BYPASS VALVE SHALL MODULATE OPEN TO MAINTAIN THE LOOP PRESSURE. THE LOOP BYPASS SHOULD ONLY MODULATE IF THE LOOP PUMP IS RUNNING AT MINIMUM SPEED.

**PRIMARY CHILLED WATER PUMP CONTROL:** ONCE A SECONDARY CHILLED WATER PUMP HAS STARTED, THE LEAD PRIMARY CHILLED WATER PUMP (PCWPN-C) SHALL START. IF THE LEAD PRIMARY PUMP FAILS TO START, THE LAG PRIMARY PUMP SHALL START AND AN ALARM SHALL BE SENT TO THE FRONT END OPERATOR 'S TERMINAL. THE FINAL PRIMARY CHILLED WATER SPEED (PCWPN-O) SHALL BE DETERMINED BY THE TEST AND BALANCE CONTRACTOR. PRIMARY PUMP STATUS (PCWPN-S) SHALL BE PROVEN BEFORE THE ASSOCIATED CHILLERS ARE ENABLED (CHLRN-C). LEAD/LAG PRIMARY PUMPS SHALL CYCLE ON A MONTHLY BASIS.

**CHILLER CONTROL:** ONCE A PRIMARY CHILLED WATER CHILLED WATER PUMP HAS STARTED, THE CHILLER SHALL BE ENABLED TO START AND RUN UNDER ITS OWN CONTROLS. THE CHILLER SHALL SLOWLY RAMP ITS CAPACITY UP OVER A 15 MINUTES PERIOD IN ORDER TO MINIMIZE ELECTRICAL DEMAND UPON STARTUP. ON CHILLER SHUTDOWN, THE CHILLER SHALL BE STOPPED AND THE ASSOCIATED PRIMARY CHILLED WATER PUMP SHALL CONTINUE TO RUN FOR 15 MINUTES.

**POINTS LIST:** THE FOLLOWING REPRESENTS THE MINIMUM POINTS TO BE PROVIDED AND CALCULATIONS TO BE DISPLAYED IN THE SYSTEM GRAPHICS. ALL POINTS LISTED BELOW SHALL BE AVAILABLE TO TREND AS NEEDED. ADDITIONAL POINTS REQUIRED TO MEET THE SEQUENCE SHALL BE PROVIDED AND ALSO SHOWN.

BINARY INPUTS
- PRIMARY CHILLED WATER PUMPS STATUS (PCWPN-S)
- SECONDARY CHILLED WATER PUMP STATUS (SCWPN-S)
- CHILLER STATUS (CHLR-S)
- CHILLER ALARM (CHLR-ALM)

BINARY OUTPUTS
- PRIMARY CHILLED WATER PUMPS ENABLE (PCWPN-C)
- SECONDARY CHILLED WATER PUMPS ENABLE (SCWPN-C)
- CHILLER ENABLE (CHLR-C)

ANALOG INPUTS
- OUTSIDE AIR TEMPERATURE (MAY BE BROADCAST)
- OUTSIDE AIR HUMIDITY (MAY BE BROADCAST)
- CHILLED WATER SUPPLY TEMPERATURE (CWS-T)
- CHILLED WATER RETURN TEMPERATURE (CWR-T)
- CHILLED WATER FLOW (CWS-F)
- CHILLED WATER SYSTEM DIFFERENTIAL PRESSURE (CW-DP)

ANALOG OUTPUTS
- PRIMARY CHILLED WATER PUMP SPEED CONTROL (PCWPN-O)
- SECONDARY CHILLED WATER PUMP SPEED CONTROL (SCWPN-O)
- CHILLED WATER BYPASS VALVE (CW-BYP)

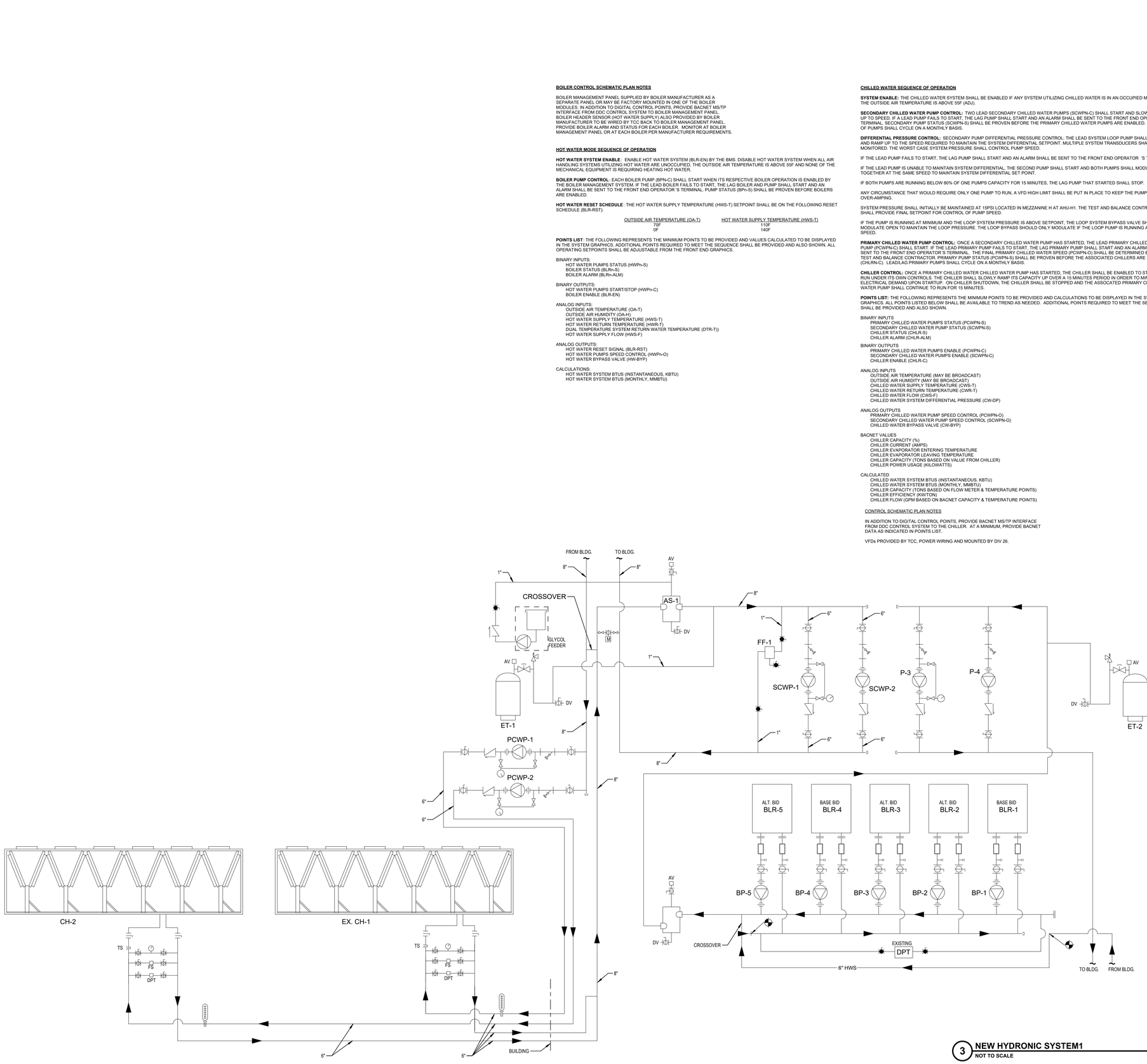
BACNET VALUES
- CHILLER CAPACITY (%)
- CHILLER CURRENT (AMPS)
- CHILLER EVAPORATOR ENTERING TEMPERATURE
- CHILLER EVAPORATOR LEAVING TEMPERATURE
- CHILLER CAPACITY (TONS BASED ON VALUE FROM CHILLER)
- CHILLER POWER USAGE (KILOWATTS)

CALCULATED
- CHILLED WATER SYSTEM BTUS (INSTANTANEOUS, KBTU)
- CHILLED WATER SYSTEM BTUS (MONTHLY, MMBTU)
- CHILLER CAPACITY (TONS BASED ON FLOW METER & TEMPERATURE POINTS)
- CHILLER EFFICIENCY (KW/TON)
- CHILLER FLOW (GPM BASED ON BACNET CAPACITY & TEMPERATURE POINTS)

CONTROL SCHEMATIC PLAN NOTES

IN ADDITION TO DIGITAL CONTROL POINTS, PROVIDE BACNET MS/TP INTERFACE FROM DDC CONTROL SYSTEM TO THE CHILLER. AT A MINIMUM, PROVIDE BACNET DATA AS INDICATED IN POINTS LIST.

VFDs PROVIDED BY TCC, POWER WIRING AND MOUNTED BY DIV 26.




3 **NEW HYDRONIC SYSTEM1**
NOT TO SCALE


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TEMPERATURE CONTROLS SCHEMATICS

1 M-702

PLOT DATE/TIME: 7/27/2026 1:41:19 AM