

# 2024 ADDITION AND RENOVATIONS NORTH HARRISON ELEMENTARY SCHOOL Ramsey, Indiana

## NORTH HARRISON COMMUNITY SCHOOLS

### CONSTRUCTION DOCUMENTS

#### DESIGN TEAM

##### ARCHITECT



##### STRUCTURAL ENGINEER



##### MECHANICAL/ELECTRICAL ENGINEER



#### SITE ADDRESS

1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

#### DRAWING SHEET INDEX

##### GENERAL DRAWINGS

G100 OVERALL LIFE SAFETY PLANS  
G101 ENLARGED LIFE SAFETY PLAN

##### CIVIL DRAWINGS

C000 EXISTING TOPOGRAPHY  
CD101 SITE DEMOLITION PLAN  
C101 SITE LAYOUT PLAN  
SITE DEMOLITION PLAN  
C102 SITE GRADING PLAN  
C103 SITE UTILITY PLANS  
C501 SITE UTILITY DETAILS

##### STRUCTURAL DRAWINGS

S001 GENERAL NOTES  
S002 TYPICAL DETAILS  
S101 FOUNDATION & ROOF FRAMING PLAN  
S201 FOUNDATION SECTIONS  
S301 ROOF FRAMING SECTIONS

##### ARCHITECTURAL DRAWINGS

A001 DEMOLITION PLAN  
A100 OVERALL FIRST FLOOR PLAN  
A101 ARCHITECTURAL FLOOR PLAN  
A201 DIMENSION PLAN  
A202 ENLARGED RESTROOM PLANS  
A301 ROOF PLAN  
A401 REFLECTED CEILING PLAN  
A501 EXTERIOR ELEVATIONS  
A601 BUILDING SECTIONS  
A701 WALL SECTIONS  
A702 WALL SECTIONS  
A703 WALL SECTIONS  
A704 WALL SECTIONS  
A801 DOOR SCHEDULE  
DOOR & WINDOW DETAILS  
A802 ACCESS CONTROL RISER DIAGRAMS  
A901 MISCELLANEOUS DETAILS

##### EQUIPMENT DRAWINGS

Q101 EQUIPMENT PLAN  
Q201 CASEWORK ELEVATIONS & DETAILS  
Q202 CASEWORK ELEVATIONS

##### INTERIORS DRAWINGS

I100 FINISH SCHEDULE  
I101 FINISH PLAN  
I201 CAFETERIA 133-  
ENLARGED FLOOR PATTERN PLAN  
I301 INTERIOR ELEVATIONS  
I302 INTERIOR ELEVATIONS

##### KITCHEN DRAWINGS

K001 FOOD SERVICE DEMOLITION PLAN (To be issued via Addendum)  
K101 FOOD SERVICE EQUIPMENT PLAN  
K102 FOOD SERVICE EQUIPMENT SCHEDULE  
K201 FOOD SERVICE - SPECIAL CONDITIONS PLAN  
K301 FOOD SERVICE ELEVATIONS  
K302 FOOD SERVICE DETAILS  
K303 FOOD SERVICE - WALK - IN FREEZER & COOLER  
K401 FOOD SERVICE - HOOD DETAILS (To be issued via Addendum)  
K402 FOOD SERVICE - HOOD DETAILS (To be issued via Addendum)

##### FIRE PROTECTION DRAWINGS

FP100 FIRE PROTECTION LEGEND, GENERAL NOTES,  
SCHEDULES, & DETAILS  
FP200 FIRE PROTECTION FLOOR PLAN

##### PLUMBING DRAWINGS

P100 PLUMBING LEGEND, GENERAL NOTES,  
SCHEDULES & DETAILS  
P200 PLUMBING FLOOR PLAN- UNDER-SLAB  
DEMOLITION  
P201 PLUMBING FLOOR PLAN- DEMOLITION  
P300 PLUMBING FLOOR PLAN- UNDER-SLAB  
RENOVATION  
P301 PLUMBING FLOOR PLAN- RENOVATION  
P400 PLUMBING RISER DIAGRAMS (To be issued via Addendum)

##### MECHANICAL DRAWINGS

M100 MECHANICAL LEGEND & GENERAL NOTES  
M200 MECHANICAL FLOOR PLAN- DEMOLITION  
M300 MECHANICAL FLOOR PLAN- RENOVATION  
M400 MECHANICAL DETAILS  
M401 MECHANICAL DETAILS  
M500 MECHANICAL SCHEDULES

##### ELECTRICAL DRAWINGS

E100 ELECTRICAL LEGEND  
E200A PARTIAL FIRST FLOOR PLAN-  
ELECTRICAL DEMOLITION PLAN- AREA A  
E200B PARTIAL FIRST FLOOR PLAN-  
ELECTRICAL DEMOLITION PLAN- AREA B  
E200C PARTIAL FIRST FLOOR PLAN-  
ELECTRICAL DEMOLITION PLAN- AREA C  
E300A PARTIAL FIRST FLOOR PLAN-  
LIGHTING- AREA A  
E300B PARTIAL FIRST FLOOR PLAN-  
LIGHTING- AREA B  
E300C PARTIAL FIRST FLOOR PLAN-  
LIGHTING- AREA C  
E400A PARTIAL FIRST FLOOR PLAN-  
POWER/SYSTEMS- AREA A  
E400B PARTIAL FIRST FLOOR PLAN-  
POWER/SYSTEMS- AREA B  
E400C PARTIAL FIRST FLOOR PLAN-  
POWER/SYSTEMS- AREA C  
E500 ELECTRICAL INTERCONNECTIONS PLAN  
E600 ELECTRICAL DETAILS  
E601 ELECTRICAL DETAILS  
E602 ELECTRICAL DETAILS  
UE100 ELECTRICAL SITE PLAN

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS

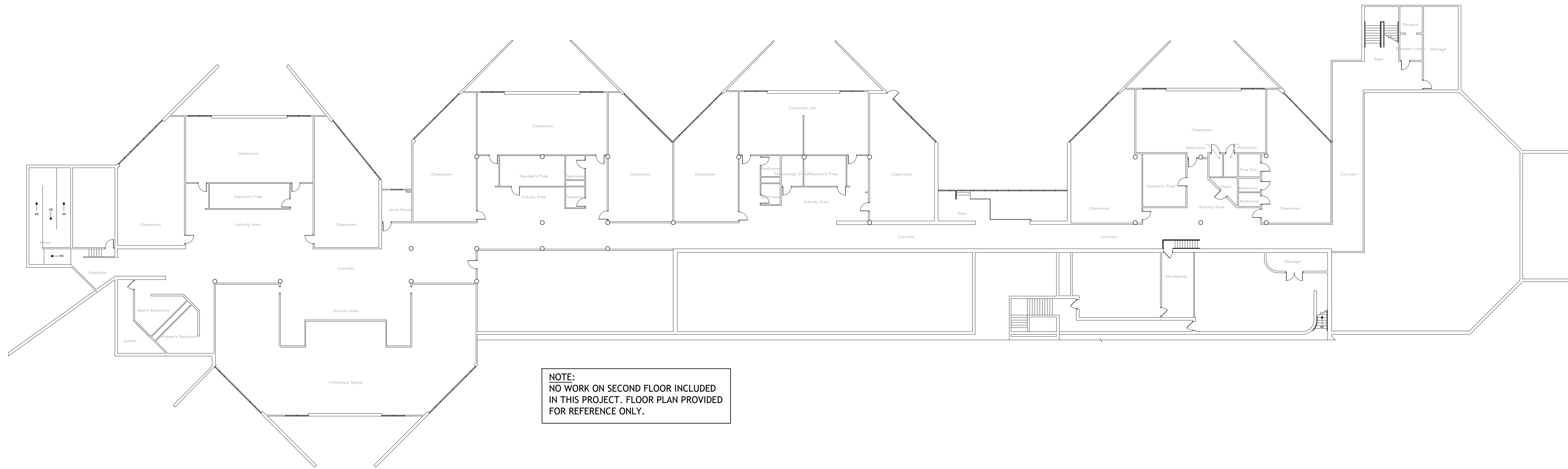
SHEET TITLE  
COVERSHEET

2024 ADDITION AND  
RENOVATIONS

1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

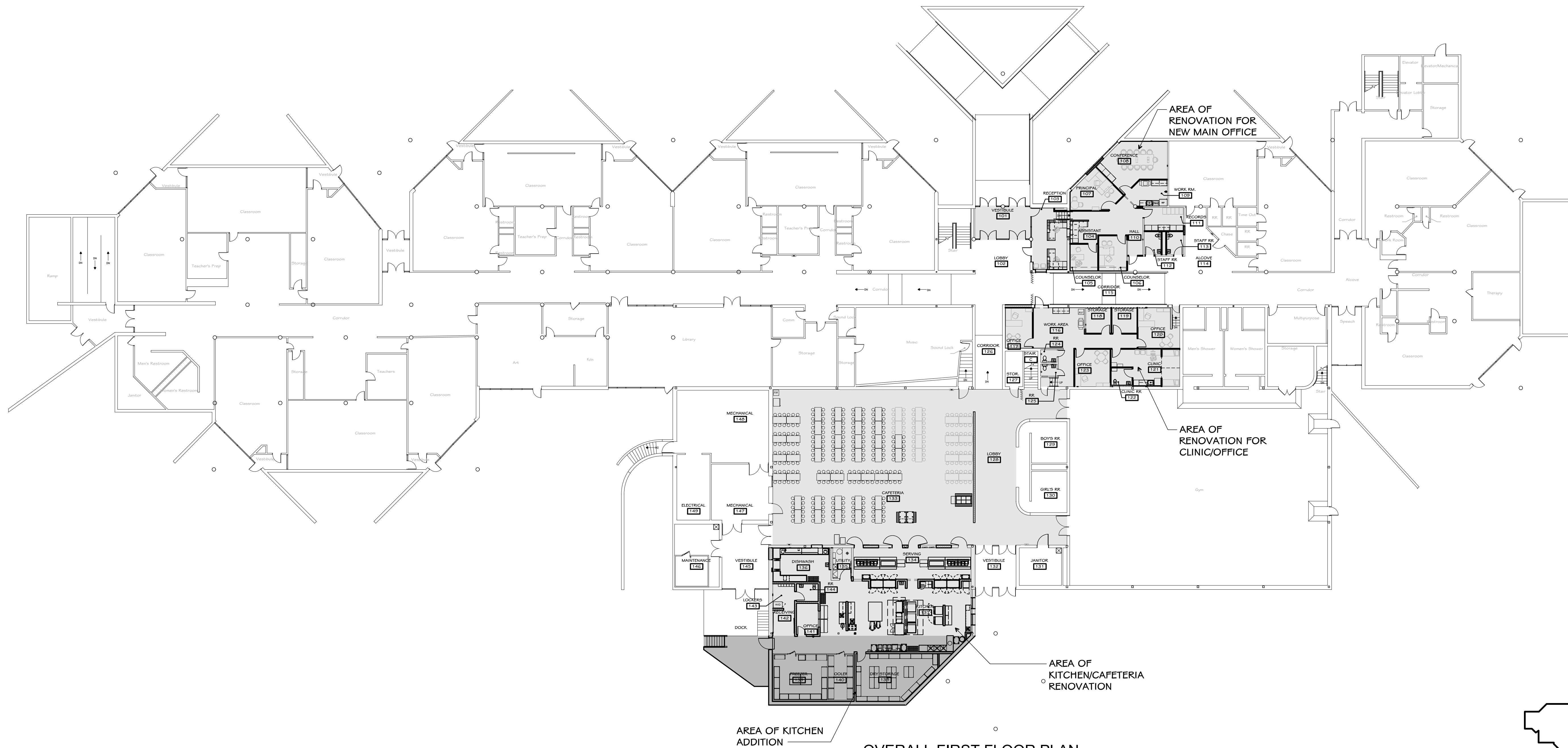
DATE  
04/03/2024

SHEET NUMBER  
G001  
23-228-001



NOTE:  
NO WORK ON SECOND FLOOR INCLUDED  
IN THIS PROJECT. FLOOR PLAN PROVIDED  
FOR REFERENCE ONLY.

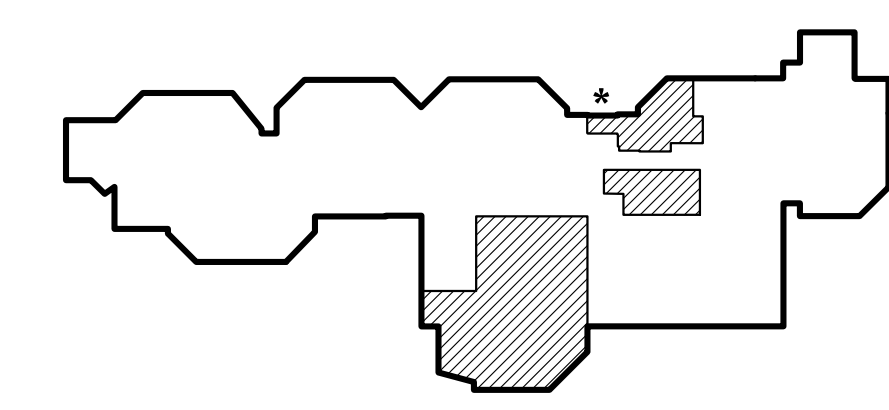
OVERALL SECOND FLOOR PLAN  
LIFE SAFETY PLAN  
1" = 20'-0"



OVERALL FIRST FLOOR PLAN  
LIFE SAFETY PLAN  
1" = 20'-0"

Legend

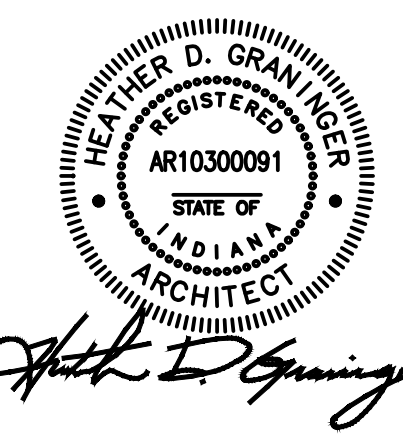
- Area of Renovation
- Area of New Construction



Key Plan  
No Scale

Notice

The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



ISSUED FOR DATE  
Public Bidding 04-03-2024

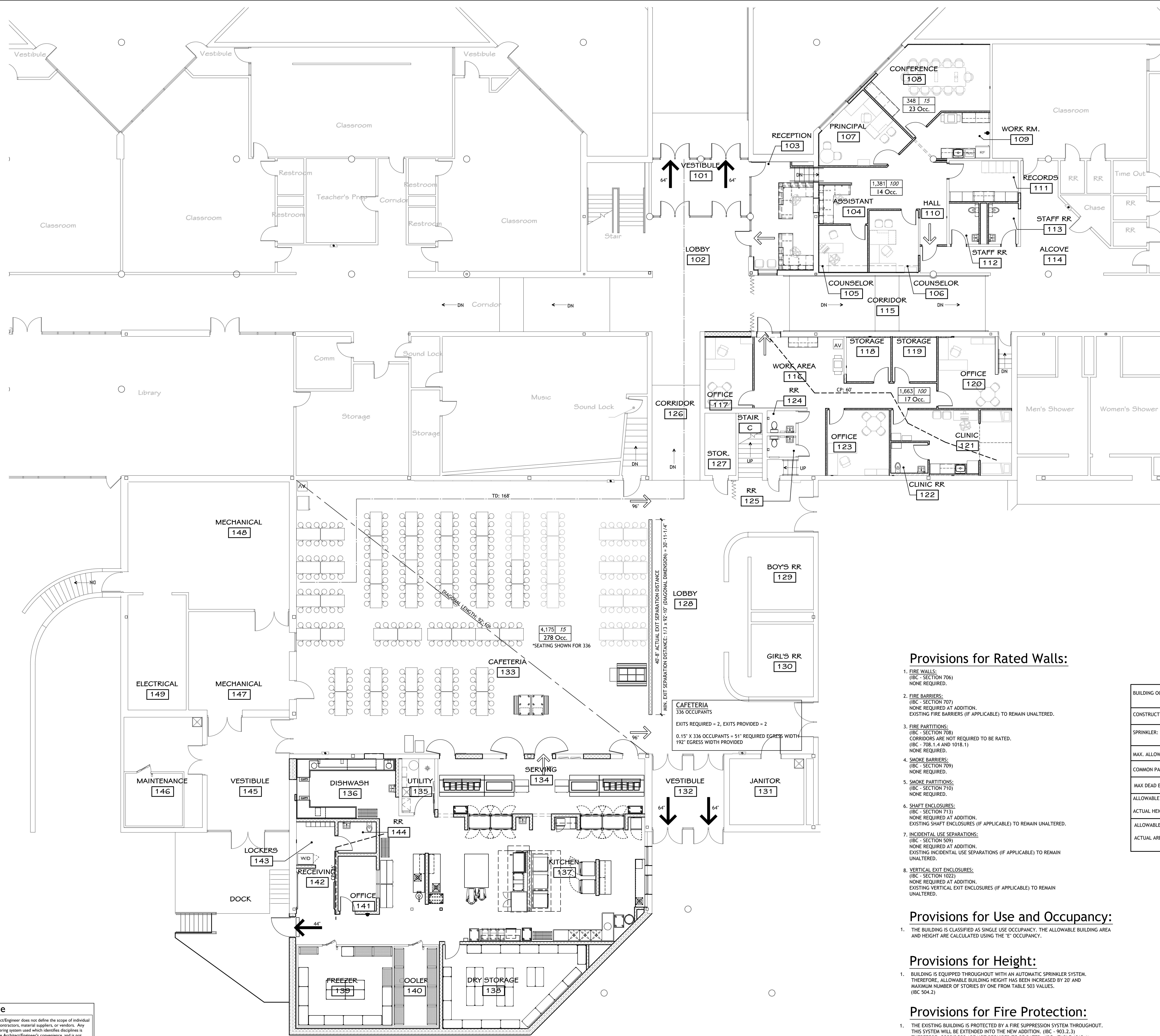
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
OVERALL LIFE SAFETY PLANS

DATE  
APRIL 3, 2024

SHEET NUMBER  
**G 100**  
23-228.001



### Applicable Codes (Indiana) - 2024

- Life Safety**  
 GENERAL ADMINISTRATIVE RULES (675 IAC 12)  
 (EFFECTIVE DATE: 2001 WITH 2006 AMENDMENTS)
- 2014 - INDIANA BUILDING CODE (675 IAC 13)  
 (MODEL CODE: INTERNATIONAL BUILDING CODE, 2012 EDITION)
- 2014 - INDIANA FIRE CODE (675 IAC 22)  
 (MODEL CODE: INTERNATIONAL FIRE CODE, 2012 EDITION)
- Accessibility**  
 CHAPTER 11 - ACCESSIBILITY  
 (INDIANA BUILDING CODE)
- ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES  
 (ICC A117.1, 2009 EDITION)
- Plumbing**  
 2012 - INDIANA PLUMBING CODE (675 IAC 16)  
 (MODEL CODE: INTERNATIONAL PLUMBING CODE, 2006 EDITION)
- Fuel Gas**  
 2014 - INDIANA FUEL GAS CODE (675 IAC 25)  
 (MODEL CODE: INTERNATIONAL FUEL GAS CODE, 2012 EDITION)
- Mechanical**  
 2014 - INDIANA MECHANICAL CODE (675 IAC 18)  
 (MODEL CODE: INTERNATIONAL MECHANICAL CODE, 2012 EDITION)
- Electrical**  
 2009 - INDIANA ELECTRICAL CODE (675 IAC 17)  
 (MODEL CODE: NFPA 70: NATIONAL ELECTRICAL CODE, 2008 EDITION)
- Energy**  
 2010 - INDIANA ENERGY CONSERVATION CODE (675 IAC 19)  
 (MODEL CODE: ANSI/ASHRAE STANDARD 90.1, 2007 EDITION)

- General Notes:**
- IN ANY AND ALL RATED WALL ASSEMBLIES, THE WALL IS TO CONTINUE TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK ABOVE, UNLESS OTHERWISE NOTED ON WALL SECTIONS. FIRESTOP TOP OF WALL TO DECK.
  - IN ANY AND ALL RATED WALL ASSEMBLIES, ANY AND ALL PENETRATIONS SHALL MAINTAIN THE REQUIRED RATED PROTECTION BY FIRESTOPPING ALL MATERIALS, AT ALL EDGES AND OPENINGS THROUGH THE WALL, SO THAT THERE IS NO OPEN PASSAGE THROUGH THE WALL OR BREACH IN THE RATED ASSEMBLY.
  - IN ANY AND ALL RATED WALL ASSEMBLIES, THE REQUIRED RATING OF THE OPENING IS AS INDICATED ON THE PLAN FOR EACH WALL.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE PROTECTION AT RATED WALLS AS REQUIRED FOR ALL TRADES AND ALL COMPONENTS, WHETHER OR NOT ITEMS ARE SPECIFICALLY INDICATED ON OTHER DRAWING SHEETS.

**Plan Legend:**

- CP: X'-X" COMMON PATH OF EGRESS
- TD: X'-X" EXIT ACCESS TRAVEL DISTANCE
- XX → EXIT; NUMBER INDICATES EGRESS WIDTH PROVIDED (DOORS 32" U.O.N.)
- XX → EXIT ACCESS; NUMBER INDICATES EGRESS WIDTH PROVIDED (DOORS 32" U.O.N.)

ROOM AREA (S.F.)	MAX. FLOOR AREA ALLOWANCE PER OCCUPANT
	CALCULATED OCCUPANT LOAD

### Provisions for Rated Walls:

- FIRE WALLS:** (IBC - SECTION 706) NONE REQUIRED.
- FIRE BARRIERS:** (IBC - SECTION 707) NONE REQUIRED AT ADDITION. EXISTING FIRE BARRIERS (IF APPLICABLE) TO REMAIN UNALTERED.
- FIRE PARTITIONS:** (IBC - SECTION 708) CORRIDORS ARE NOT REQUIRED TO BE RATED. (IBC - 708.1.4 AND 1018.1) NONE REQUIRED.
- SMOKE BARRIERS:** (IBC - SECTION 709) NONE REQUIRED.
- SMOKE PARTITIONS:** (IBC - SECTION 710) NONE REQUIRED.
- SHAFT ENCLOSURES:** (IBC - SECTION 713) NONE REQUIRED AT ADDITION. EXISTING SHAFT ENCLOSURES (IF APPLICABLE) TO REMAIN UNALTERED.
- INCIDENTAL USE SEPARATIONS:** (IBC - SECTION 509) NONE REQUIRED AT ADDITION. EXISTING INCIDENTAL USE SEPARATIONS (IF APPLICABLE) TO REMAIN UNALTERED.
- VERTICAL EXIT ENCLOSURES:** (IBC - SECTION 1022) NONE REQUIRED AT ADDITION. EXISTING VERTICAL EXIT ENCLOSURES (IF APPLICABLE) TO REMAIN UNALTERED.

### Provisions for Use and Occupancy:

- THE BUILDING IS CLASSIFIED AS SINGLE USE OCCUPANCY. THE ALLOWABLE BUILDING AREA AND HEIGHT ARE CALCULATED USING THE 'E' OCCUPANCY.

### Provisions for Height:

- BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM. THEREFORE, ALLOWABLE BUILDING HEIGHT HAS BEEN INCREASED BY 20' AND MAXIMUM NUMBER OF STORIES BY ONE FROM TABLE 503 VALUES. (IBC 504.2)

### Provisions for Fire Protection:

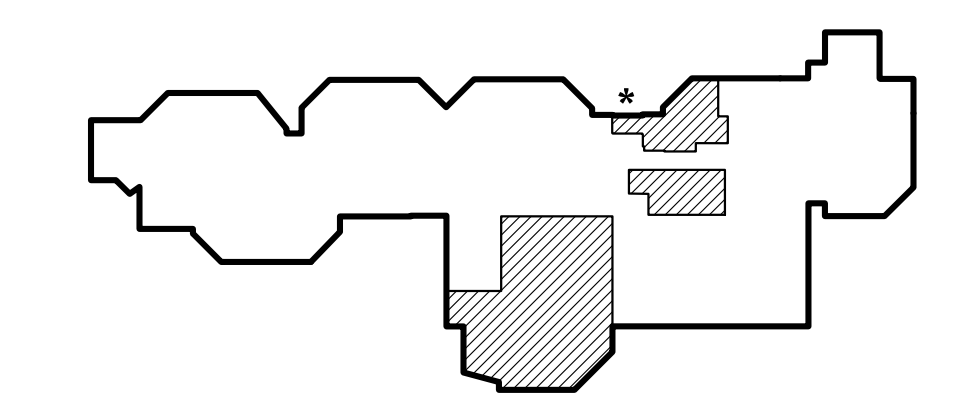
- THE EXISTING BUILDING IS PROTECTED BY A FIRE SUPPRESSION SYSTEM THROUGHOUT. THIS SYSTEM WILL BE EXTENDED INTO THE NEW ADDITION. (IBC - 903.2.3) THEREFORE, CORRIDORS ARE NOT REQUIRED TO BE RATED. (IBC - TABLE 1018.1)
- THE EXISTING BUILDING IS PROTECTED BY A FIRE ALARM SYSTEM THROUGHOUT. THIS SYSTEM WILL BE EXTENDED INTO THE NEW ADDITION. (IBC - 907.2.3)

BUILDING OCCUPANCY	Code Summary	
	E Occupancy	Code References
CONSTRUCTION TYPE:	II-B	IBC, 602
SPRINKLER:	FULLY SPRINKLERED	IBC, 903
MAX. ALLOWABLE TRAVEL DISTANCE	250' (195' ACTUAL)	IBC, TABLE 1016.2
COMMON PATH OF EGRESS DISTANCE (MAX)	75' (51' ACTUAL)	IBC, 1014.3
MAX DEAD END CORRIDOR LENGTH	50' (42'-3-1/2' ACTUAL)	IBC, 1018.4, EXCEPT, 2
ALLOWABLE HEIGHT	3 STORIES / 75'	IBC, TABLE 503
ACTUAL HEIGHT	2 STORIES / 38'	
ALLOWABLE AREA:	UNLIMITED	IBC, 507.4
ACTUAL AREA:	97,837 SF (SEE AREA SUMMARY BELOW)	

### Area Summary:

FIRST FLOOR (EXISTING):	65,821 SF
SECOND FLOOR (EXISTING):	30,420 SF
TOTAL EXISTING:	96,241 SF
ADDITION (GROSS AREA):	1,596 SF
TOTAL BUILDING:	97,837 SF
AREA OF RENOVATION:	11,822 SF

\*FOR FEE CALCULATION PURPOSES



Key Plan  
No Scale

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

ENLARGED LIFE SAFETY PLAN  
1/8" = 1'-0"

**TowerPinkster**  
Architecture - Engineering - Interiors  
© 2023. ALL RIGHTS RESERVED.

ARCHITECT  
 STATE OF INDIANA  
 ARCHITECT  
 ARCHITECT  
 ARCHITECT

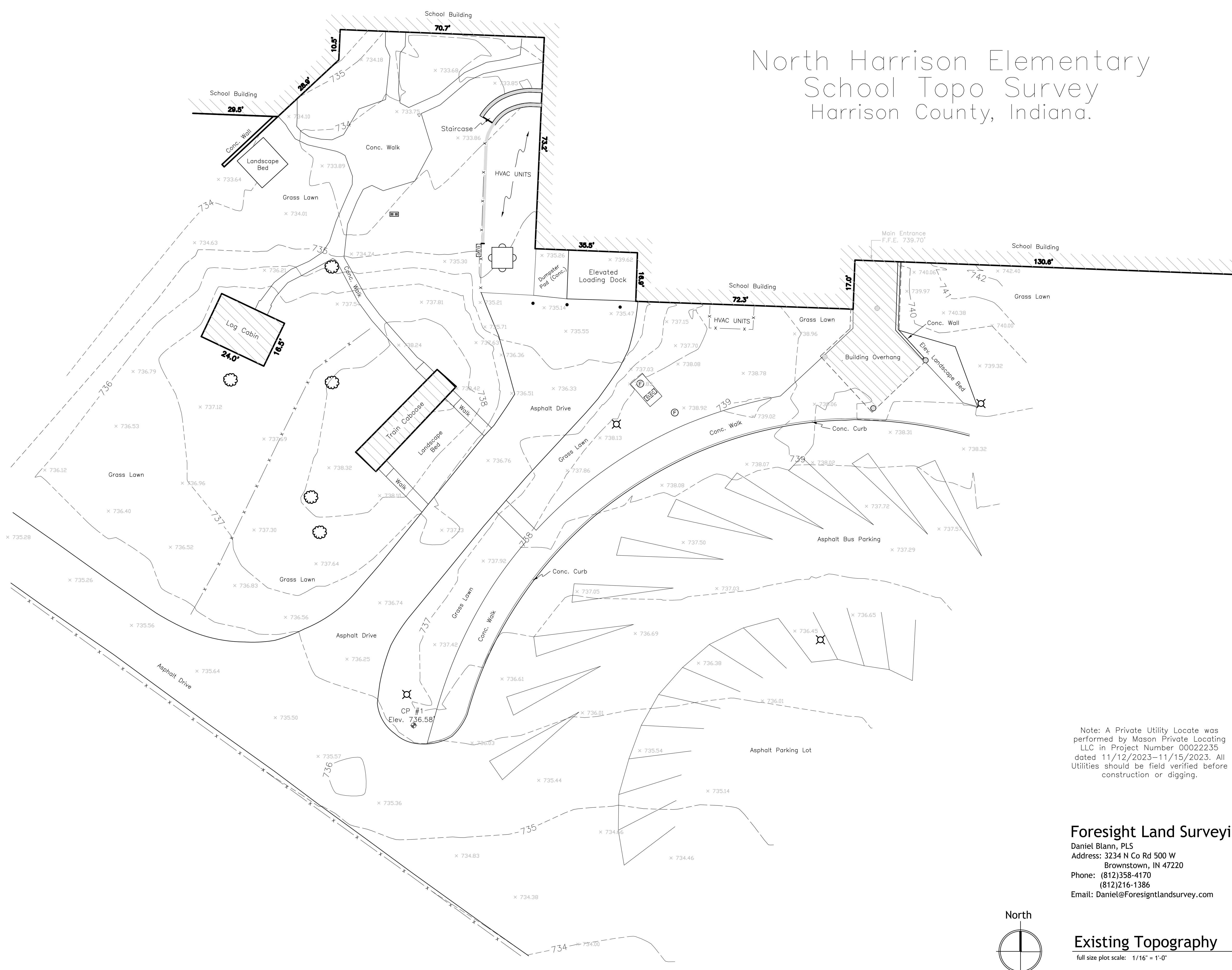
ISSUED FOR: Public Bidding DATE: 04-03-2024

PROJECT TITLE: NORTH HARRISON ELEMENTARY SCHOOL  
 2024 ADDITION AND RENOVATIONS

OWNER: NORTH HARRISON COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, INDIANA 47166

SHEET TITLE: ENLARGED LIFE SAFETY PLAN  
 DATE: APRIL 3, 2024  
 SHEET NUMBER: G 101  
 23-228.001

North Harrison Elementary  
 School Topo Survey  
 Harrison County, Indiana.



ISSUED FOR DATE  
 Public Bidding 04-03-2024

PROJECT TITLE  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITION AND  
 RENOVATIONS

OWNER  
 NORTH HARRISON  
 COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, INDIANA 47166

SHEET TITLE  
 EXISTING TOPOGRAPHY

DATE  
 APRIL 3, 2024

SHEET NUMBER  
**C 000**  
 23-228.001

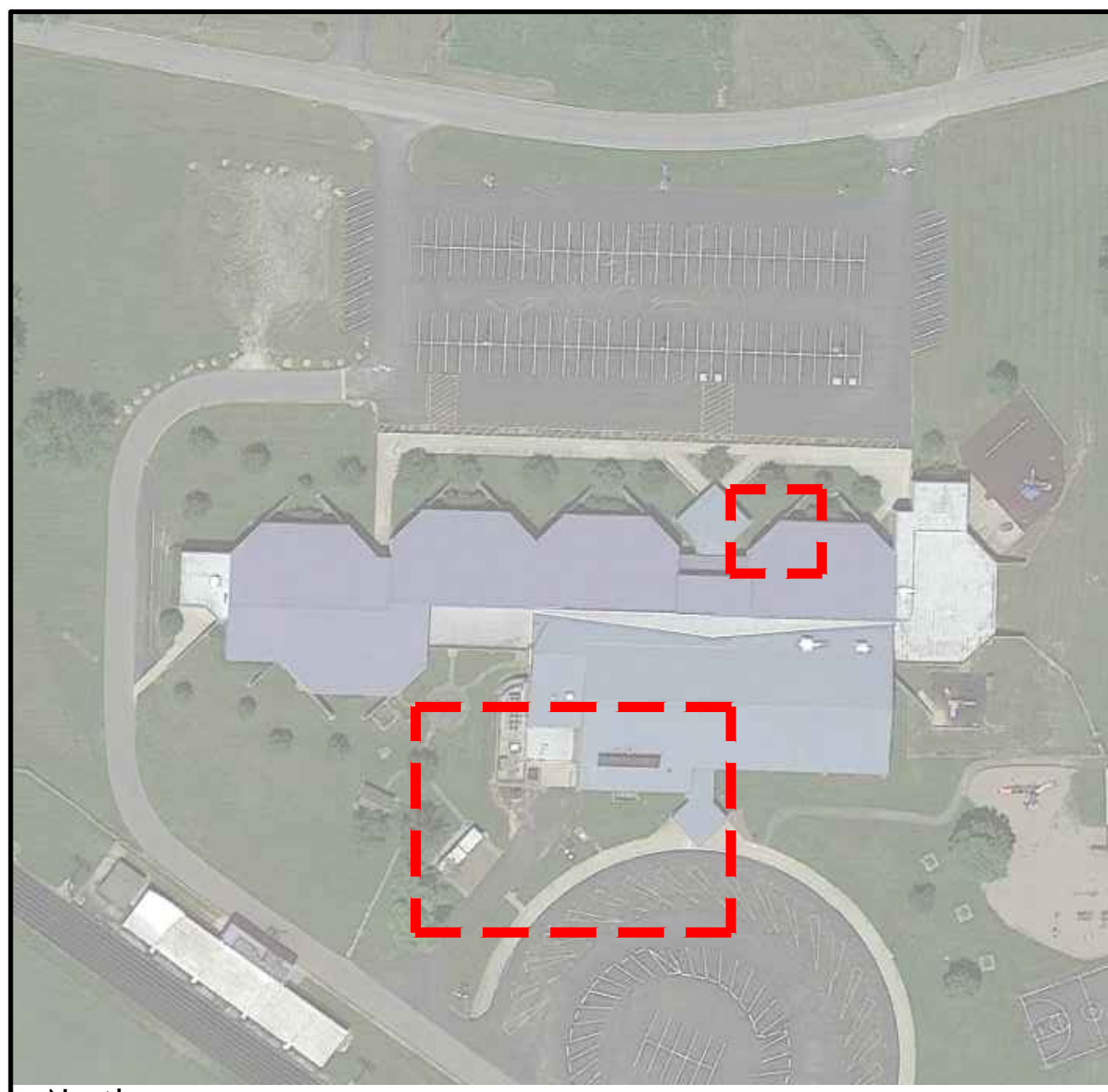
Note: A Private Utility Locate was performed by Mason Private Locating LLC in Project Number 00022235 dated 11/12/2023-11/15/2023. All utilities should be field verified before construction or digging.

**Foresight Land Surveying**  
 Daniel Blann, PLS  
 Address: 3234 N Co Rd 500 W  
 Brownstown, IN 47220  
 Phone: (812)358-4170  
 (812)216-1386  
 Email: Daniel@foresightlandsurvey.com

**Existing Topography**  
 full size plot scale: 1/16" = 1'-0"

NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



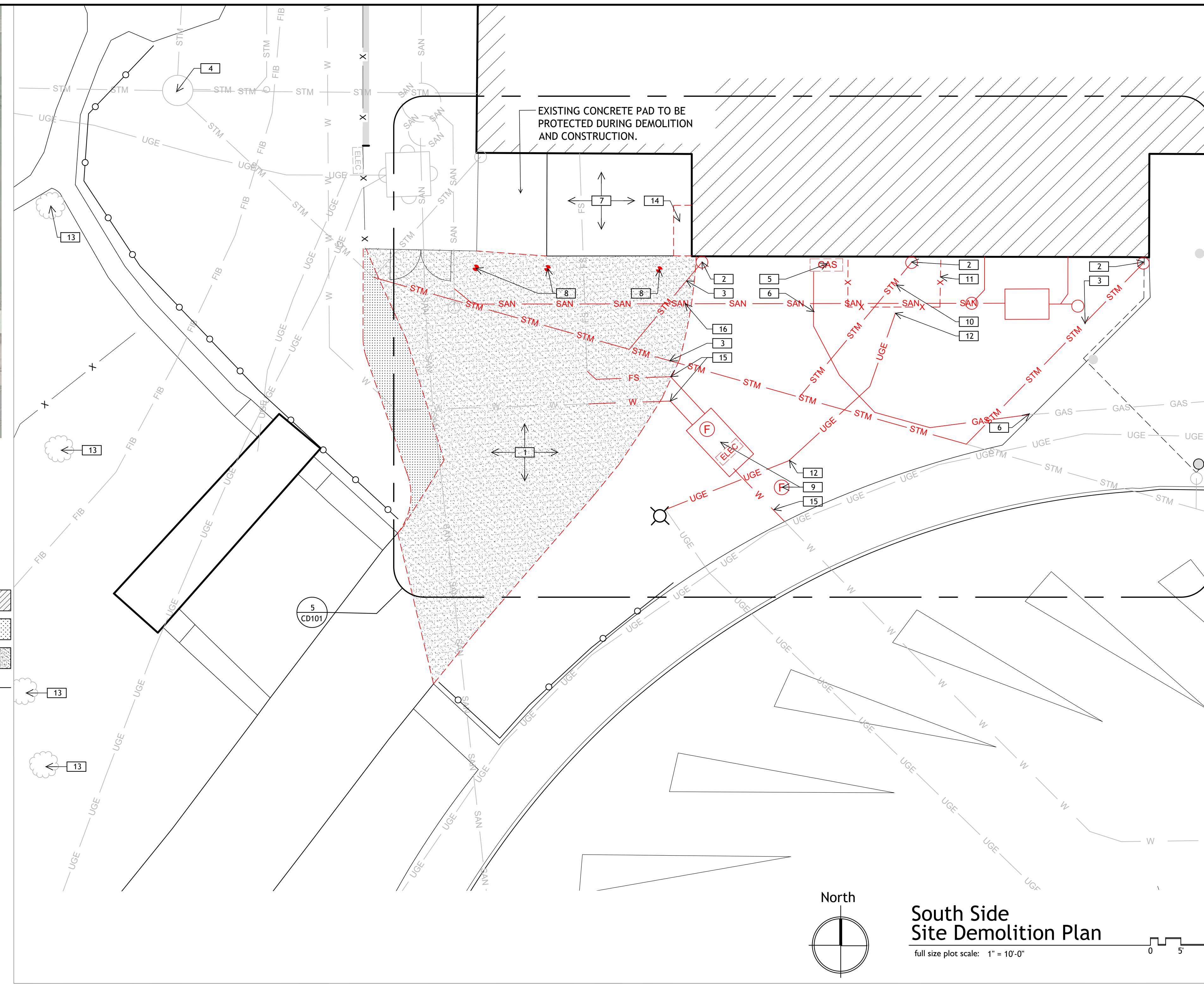
North  
VICINITY MAP  
full size plot scale: NTS

**Keynotes**

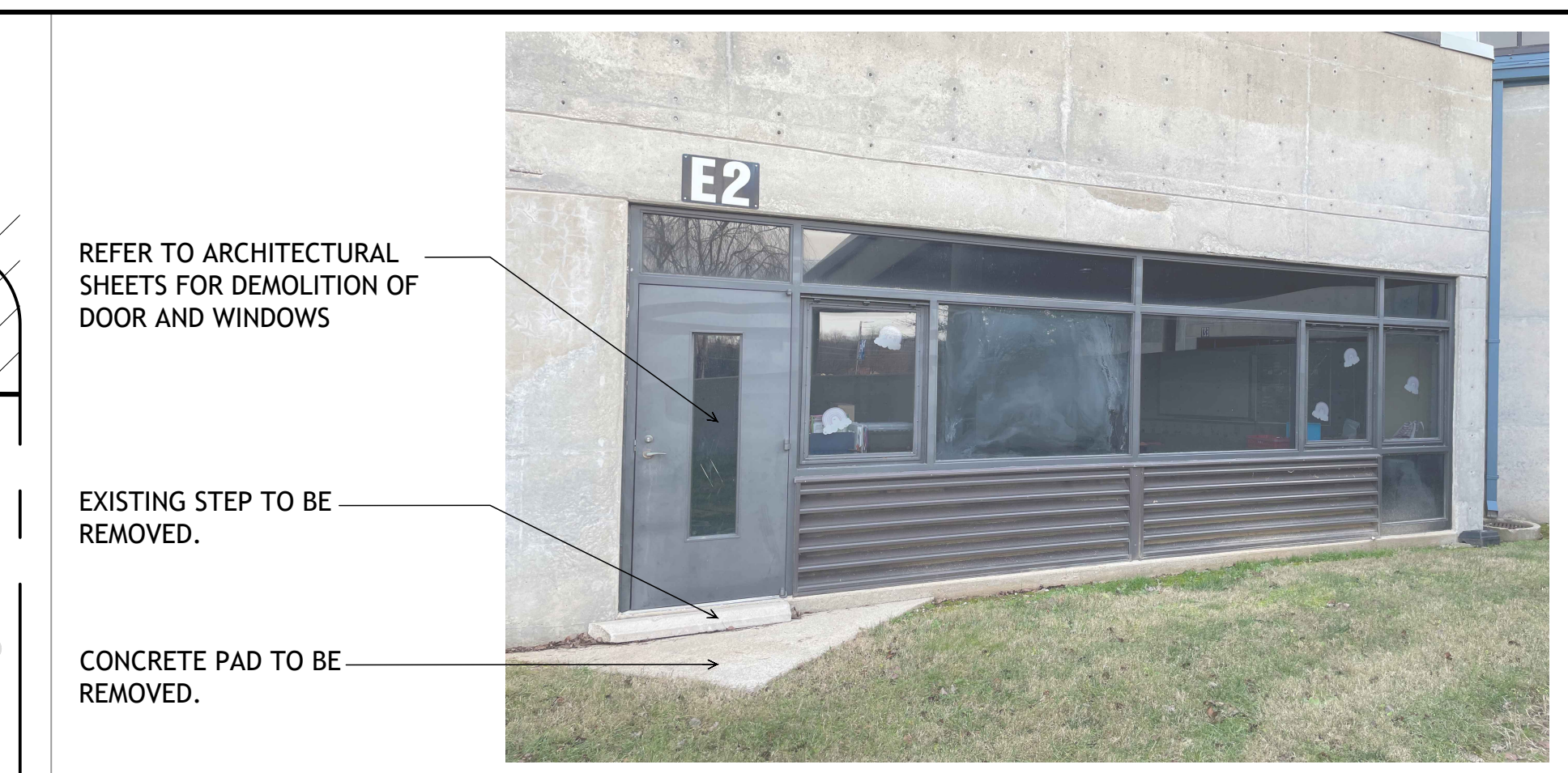
- 1 EXISTING ASPHALT SHOWN IN HATCH TO BE SAWCUT AND COMPLETELY REMOVED. REFER TO 7/C501 FOR DETAIL AND C102 FOR GRADING PLAN.
- 2 EXISTING DOWNSPOUT CATCH BASINS TO BE REMOVED. REFER TO ARCHITECTURAL DRAWINGS FOR THE REMOVAL OF DOWNSPOUTS.
- 3 EXISTING STORMWATER PIPE TO BE REMOVED. REFER TO C103 SITE UTILITY PLAN FOR INFORMATION ON NEW STORMWATER PIPES.
- 4 EXISTING CATCH BASIN TO BE PROTECTED. REFER TO C103 SITE UTILITY PLAN AND C102 FOR GRADING PLAN FOR ADDITIONAL INFORMATION. REFER TO 4/CD101 FOR EROSION CONTROL.
- 5 EXISTING GAS METER TO BE REMOVED CONTACT GAS COMPANY. REFER TO C103 FOR SITE UTILITY PLAN FOR NEW METER LOCATION AND UTILITY CONTACT INFORMATION.
- 6 EXISTING GAS LINE TO BE PARTIALLY REMOVED AND CAPPED. CONTACT GAS COMPANY, AND REFER TO C103 FOR SITE UTILITY PLAN FOR NEW GAS LINE AND UTILITY CONTACT INFORMATION.
- 7 EXISTING LOADING DOCK TO REMAIN.
- 8 EXISTING CONCRETE BOLLARDS TO BE REMOVED.
- 9 EXISTING FIRE HYDRANT AND WATER VAULT TO BE REMOVED. REFER TO C103 FOR SITE UTILITY PLAN FOR NEW FIRE HYDRANT AND WATER VAULT.
- 10 EXISTING HVAC UNITS TO BE REMOVED.
- 11 EXISTING FENCE TO BE REMOVED.
- 12 EXISTING UNDERGROUND ELECTRICAL LINE TO BE REMOVED. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- 13 EXISTING TREES TO BE PROTECTED DURING DEMOLITION AND CONSTRUCTION. PLACE SILT FENCING OUTSIDE THE DRIP LINE OF THE TREE TO PROTECT ROOTS.
- 14 EXISTING STAIRS TO BE FILLED. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- 15 EXISTING WATER LINE AND FIRE SUPPRESSION LINE TO BE REMOVED AND CAPPED. REFER TO C103 SITE UTILITY PLAN FOR RECONNECTING WATER AND FIRE SUPPRESSION LINES.
- 16 EXISTING SANITARY LINE TO BE REMOVED. REFER TO P200 PLUMBING DEMOLITION FOR ADDITIONAL INFORMATION.
- 17 AREA OUTLINED TO BE UNDERCUT TO 6" BELOW EXISTING GRADE TO REMOVE OLD FILL MATERIAL. COORDINATE AS NEEDED WITH GEOTECHNICAL ENGINEER ON SITE.
- 18 EXISTING CONCRETE PAD AND STEP TO BE REMOVED. GRADE AWAY FROM THE BUILDING AND PROVIDE GRASS SEED PER SPECIFICATION.

**Legend**

- EXISTING BUILDING
- TOP SOIL REMOVAL
- ASPHALT REMOVAL
- SILT FENCE- EROSION CONTROL



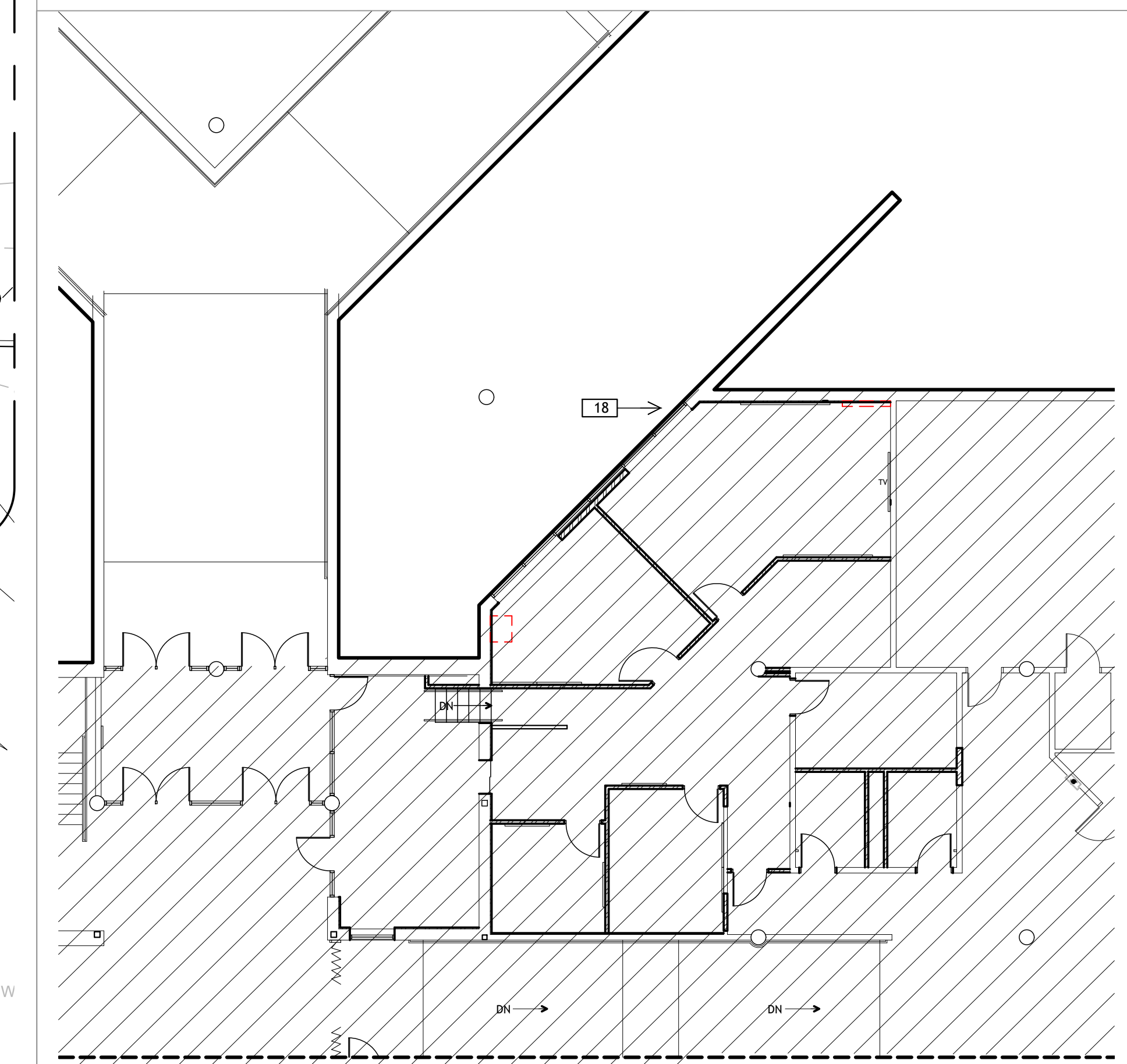
North  
South Side Site Demolition Plan  
full size plot scale: 1" = 10'-0"



REFER TO ARCHITECTURAL SHEETS FOR DEMOLITION OF DOOR AND WINDOWS

EXISTING STEP TO BE REMOVED.

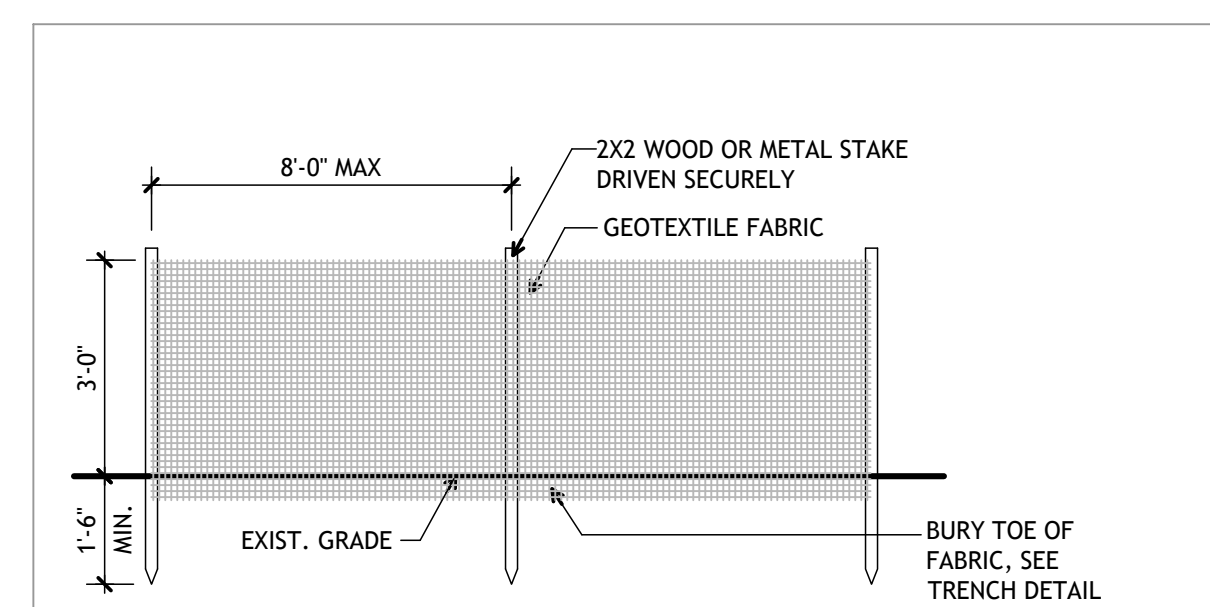
CONCRETE PAD TO BE REMOVED.



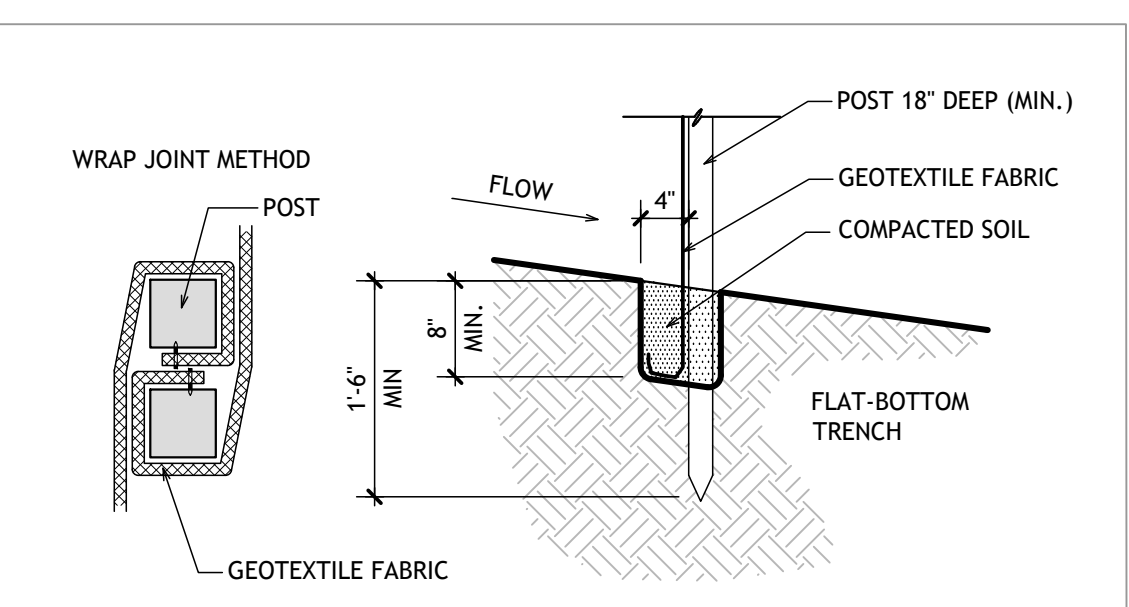
North  
North Side Site Demolition Plan  
full size plot scale: 1" = 10'-0"

**GENERAL NOTES - LANDSCAPE - DEMOLITION**

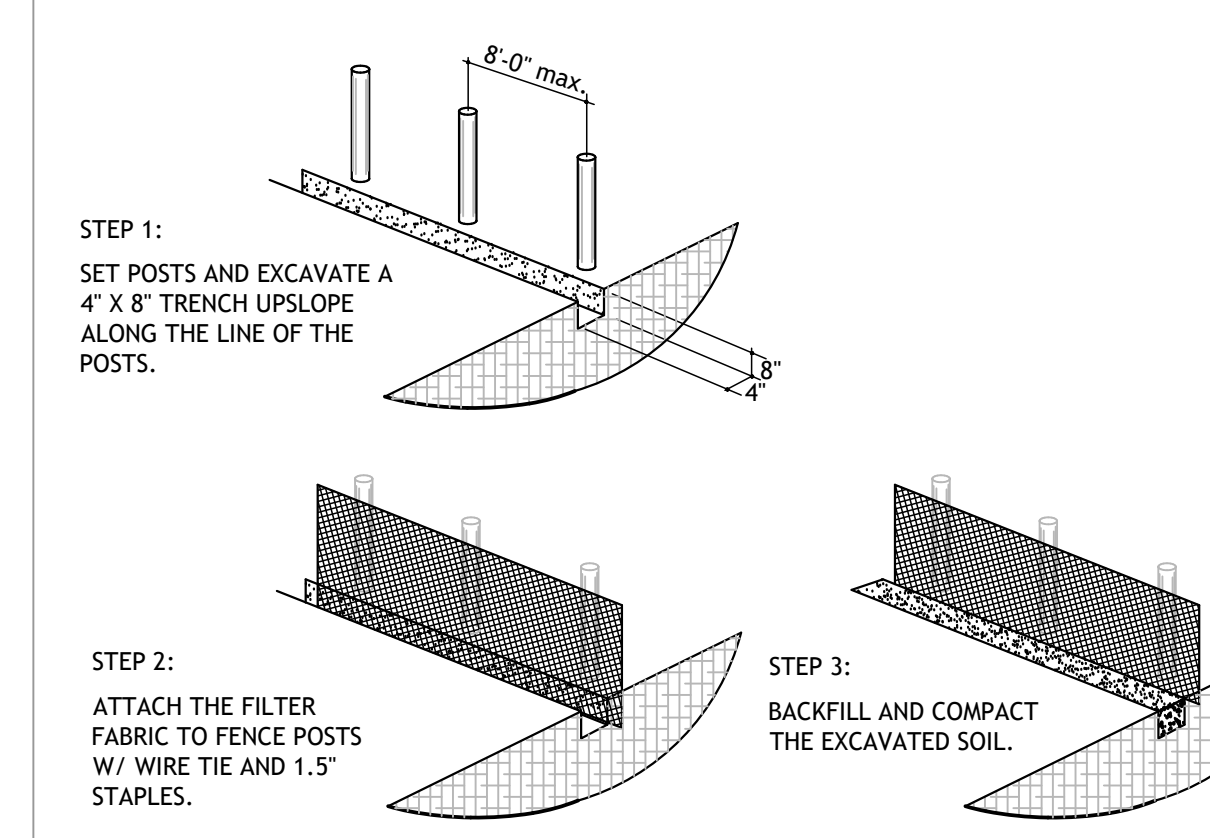
1. CALL INDIANA 811 AND HAVE EXISTING UTILITY LOCATIONS MARKED PRIOR TO ANY EXCAVATIONS OR INSTALLATIONS ON SITE.
2. EXISTING INFORMATION SHOWN HEREIN IS APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
3. ALL EXISTING INFORMATION SHOWN IS FROM THE SITE TOPOGRAPHIC SURVEY PRODUCED BY FORESIGHT LAND SURVEYING, DANIEL BLANN, PLS. SEE SHEET C000 FOR THE COMPLETE TOPOGRAPHIC SITE SURVEY, EXISTING CONDITIONS, AND ADDITIONAL INFORMATION.
4. PROTECT ALL EXISTING TREES IDENTIFIED TO REMAIN. DO NOT STOCKPILE MATERIAL OR OPERATE EQUIPMENT WITHIN THE TREES DRIP LINE/ ROOT ZONE.
5. PROVIDE EROSION CONTROL MEASURES AS REQUIRED BY GOVERNING AUTHORITIES. ACQUIRE ALL REQUIRED PERMITS AND APPROVALS. PROTECT ALL DRAINAGE STRUCTURES FROM ERODED SILT.
6. COORDINATE SITE DEMOLITION WITH ARCHITECTURAL, ELECTRICAL AND UTILITY DEMOLITION PLANS AND REQUIREMENTS.
7. SAWCUT PAVEMENTS AT DEMOLITION LIMITS; VERIFY IN FIELD.
8. PROTECT ALL AREA TO REMAIN FROM DAMAGE.



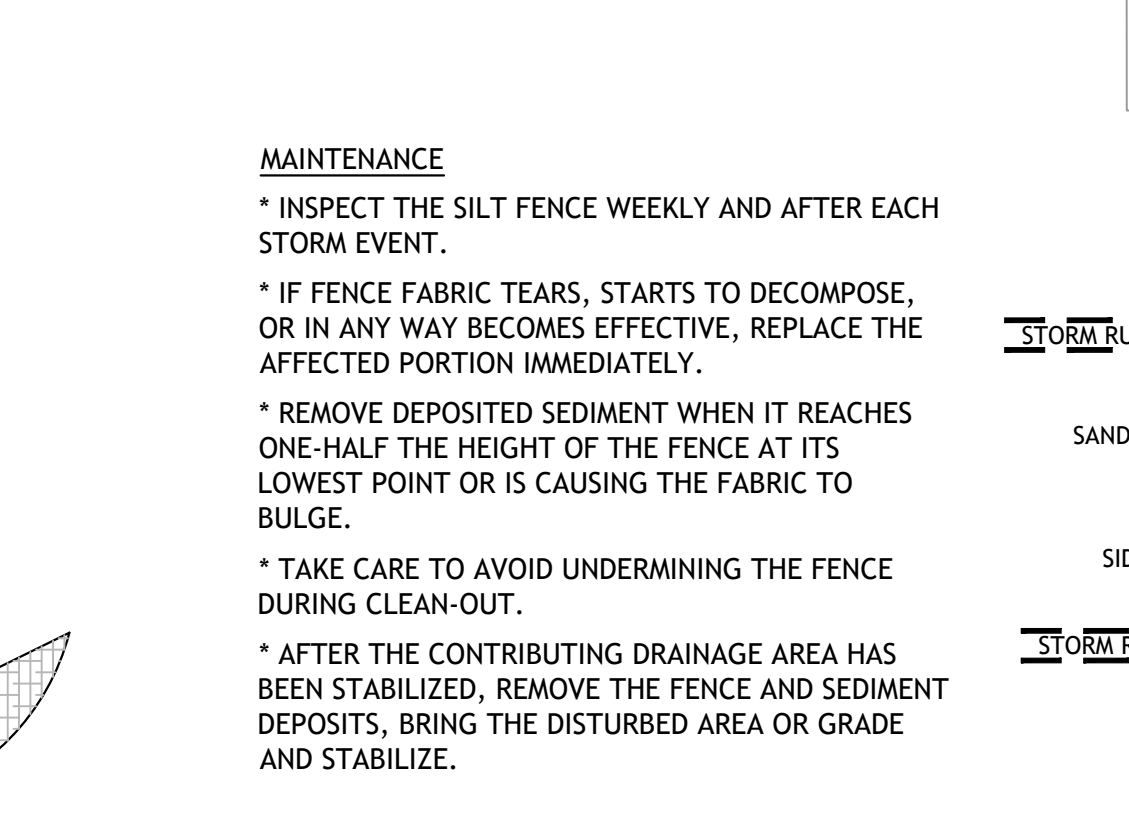
1 Silt Fence Elevation  
CD101 NOT TO SCALE



2 Silt Fence Trench Details  
CD101 NOT TO SCALE



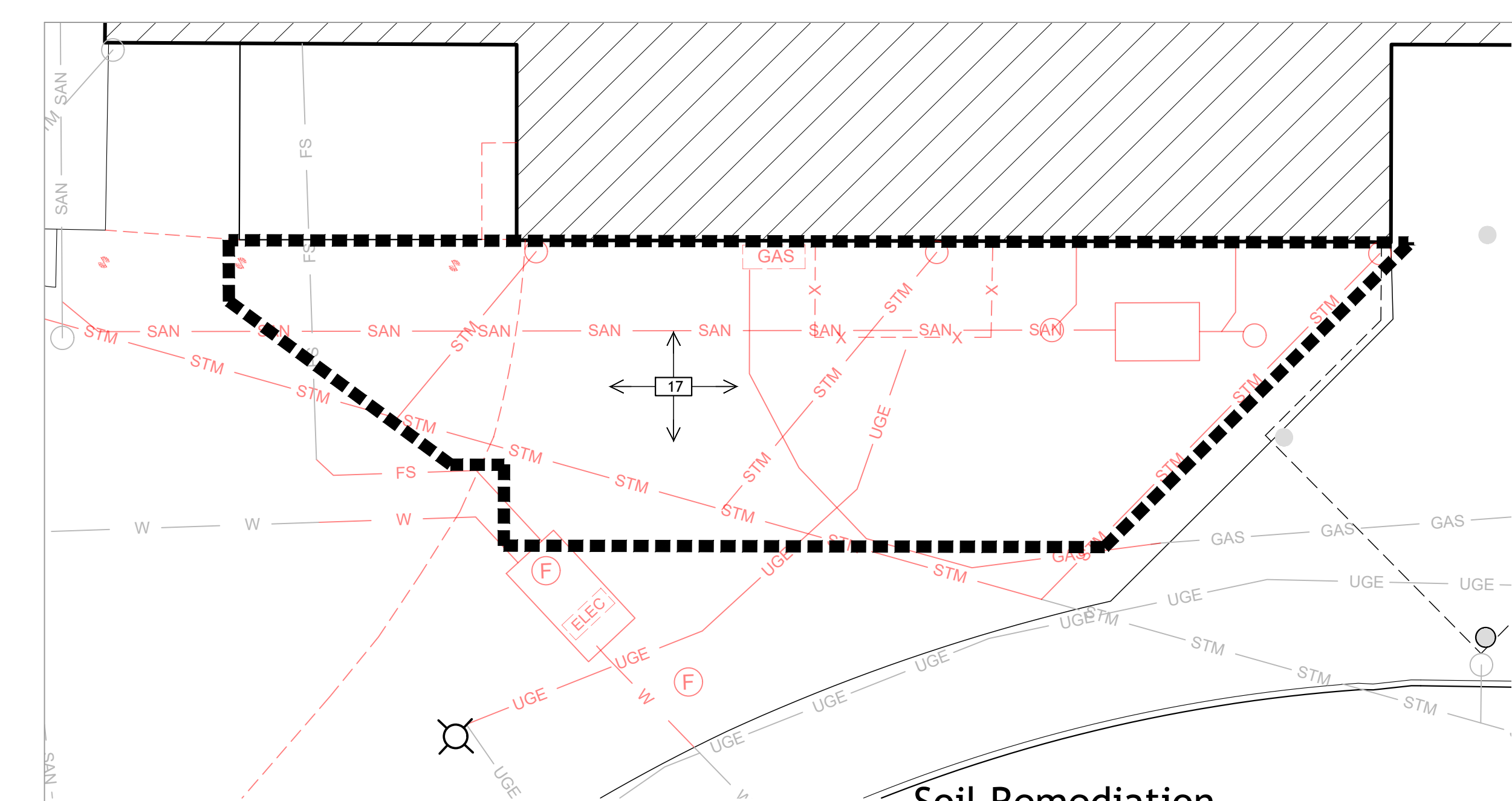
3 Silt Fence Construction Steps  
CD101 NOT TO SCALE



4 Sandbag Curb Inlet Protection Detail  
CD101 NOT TO SCALE

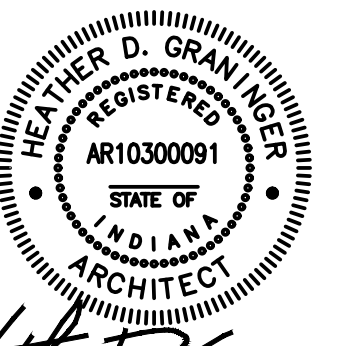
**NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING**

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material supplies, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material supplies, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



5 Soil Remediation Undercut Existing Fill  
CD101 full size plot scale: 1"=10'-0"





ISSUED FOR DATE  
Public Bidding 04-03-2024

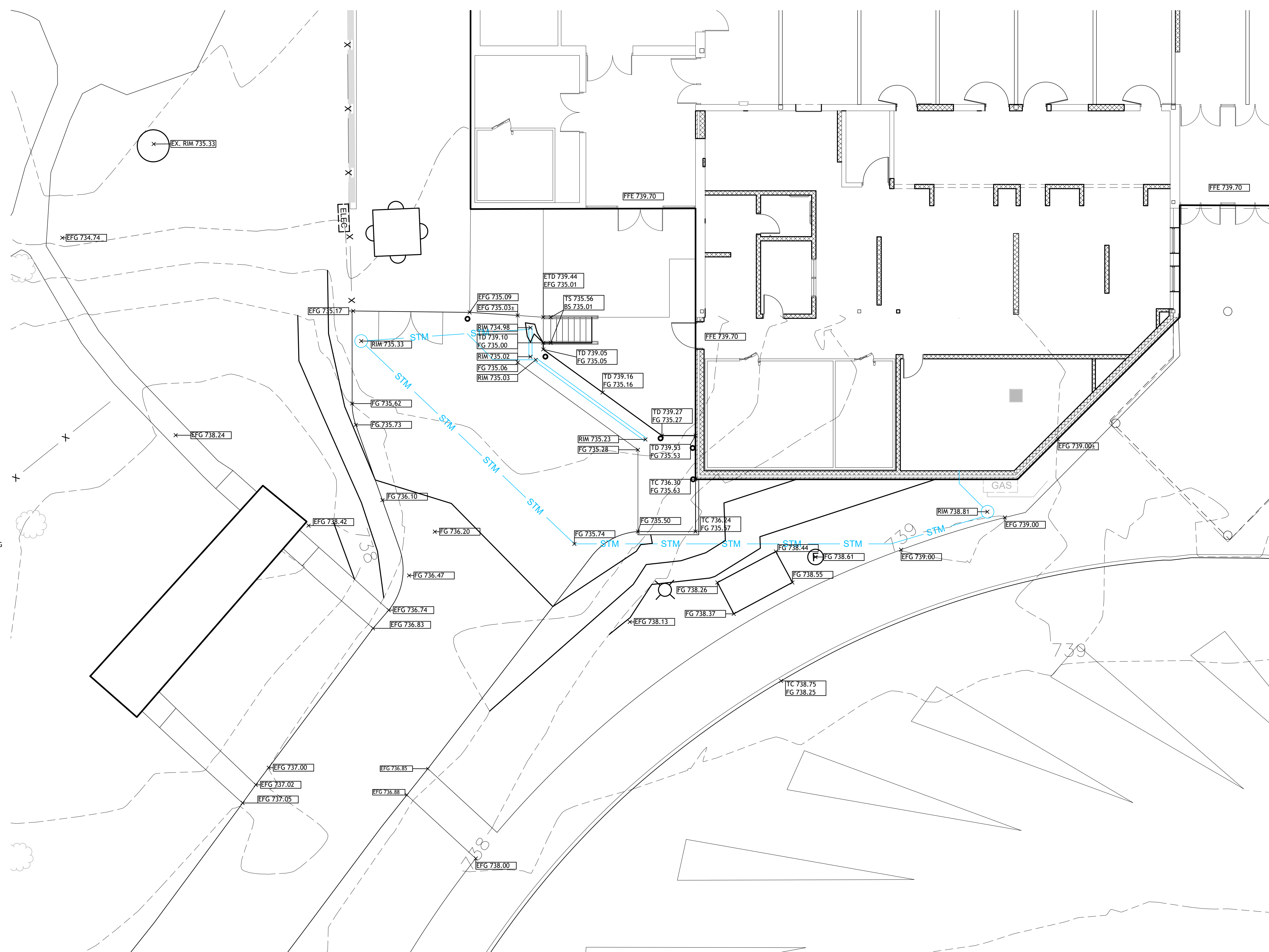
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

DATE  
APRIL 3, 2024

SHEET TITLE  
SITE GRADING PLAN

SHEET NUMBER  
**C 102**  
23-228.001



**General Notes**

1. A MAXIMUM OF 20:1 GRADE ALONG ALL SIDEWALK AREAS. IF THERE IS A CONFLICT IN THE FIELD CONTACT THE PROJECT ARCHITECT IMMEDIATELY.
2. MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND ENTRANCES.
3. CONTRACTOR SHOULD CONTACT ARCHITECT IMMEDIATELY IF CONFLICTS ARISE IN THE FIELD THAT PREVENT GRADES FROM BEING MAINTAINED.
4. NEW FINISHED GRADES TO MATCH UP WITH EXISTING GRADE WITH EVEN TRANSITION.
5. REFER TO C103 FOR SITE UTILITY PLAN FOR ADDITIONAL STORMWATER LINE ELEVATIONS.

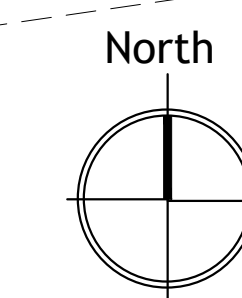
**Legend**

Existing Contours	---XXX---
Newly Graded Contours	—XXX—
Top of Dock Elevation	TD XXX.XX
Top of Step Elevation	TS XXX.XX
Bottom of Step Elevation	BS XXX.XX
Top of Curb	TC XXX.XX
Finished Grade	FG XXX.XX
Finished Floor Elevation	PFE XXX.XX
Existing Top of Dock Elevation	ETD XXX.XX
Existing Finished Grade	EFG XXX.XX
Rim Elevation	RIM XXX.XX
Existing Rim Elevation	EX, RIM XXX.XX
Pipe Invert In	INV IN XXX.XX
Pipe Invert Out	INV OUT XXX.XX

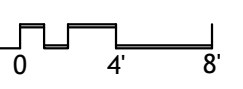
**NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING**

**Notice**

The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**Site Grading Plan**  
full size plot scale: 1/8" = 1'-0"



**UTILITY CONTACT INFORMATION**

GAS COMPANY: INDIANA UTILITIES CORP  
 ADDRESS: 123 W CHESTNUT STREET, CORYDON, IN 47112  
 PHONE: (812)738-1512  
 EMERGENCY NUMBER: (800)589-8142 OR (402)347-1725

WATER COMPANY: RAMSEY WATER COMPANY, INC. (ZONE C)  
 CONTACT NAME: DANNY TURNER  
 ADDRESS: 415 HIGHWAY 64 NW, RAMSEY, IN 47166  
 PHONE: (812)347-2551  
 EMAIL: dturner@ramseywater.com

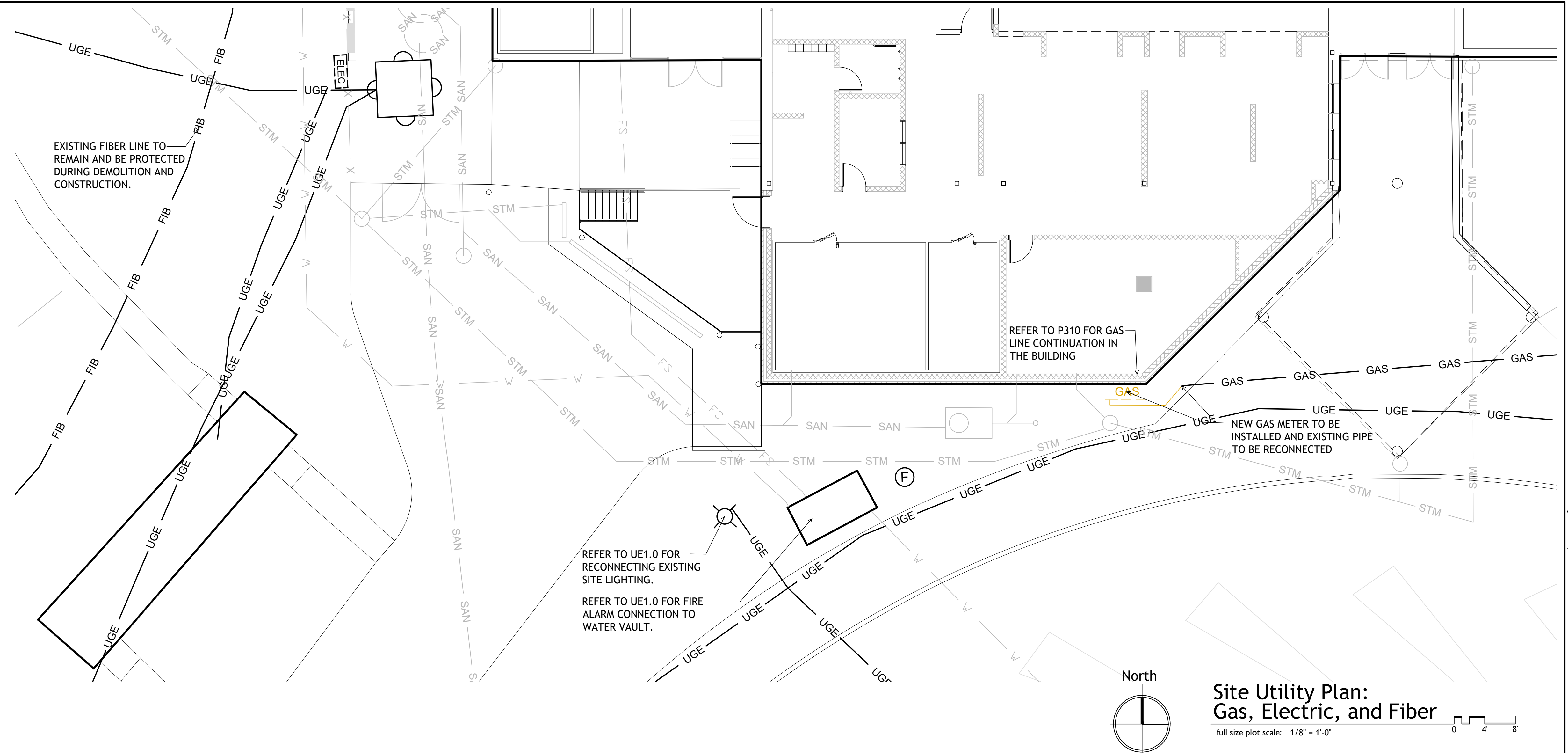
**Utility Legend**

- Existing Underground Electrical
- Existing Gas Line
- Existing Fiber
- Gas Line
- Underground Electric
- Domestic Water Line
- Fire Suppression
- Sanitary Sewer Line
- Stormwater Line

**General Notes:**

**Gas, Electric, & Fiber**

- VERIFY ALL EXISTING UTILITY LOCATIONS, ALONG WITH BUT NOT LIMITED TO DEPTH AND CONDITION OF LINES. NOTIFY PROJECT ARCHITECT IF ANY EXISTING UTILITY LOCATIONS DO NOT MATCH WHAT IS SHOWN ON THE PLANS.
- EXISTING UNDERGROUND ELECTRIC SHOWN ON THE PLAN TO REMAIN AND BE PROTECTED DURING DEMOLITION AND CONSTRUCTION.



**Site Utility Plan: Gas, Electric, and Fiber**  
 full size plot scale: 1/8" = 1'-0"

**STRUCTURE CHART**

STRUCTURE NUMBER	RIM	INVERT IN	INVERT OUT	STRUCTURE TYPE	NOTES
1	733.26	PIPE A 729.26	727.59	EXISTING CATCH BASIN	
2	735.33	PIPE B EXISTING PIPE C 732.72 PIPE E 732.46	PIPE A 729.68 (VERIFY)	NEW NYLOPLAST DRAIN BASIN WITH TRAFFIC RATED IRON GRATE. REFER TO 6/CS01.	NOTIFY IF PIPE C & E IS LOWER THAN PIPE D EXISTING ELEVATION.
3	734.98 TO 735.02	....	PIPE C 732.98	TRAFFIC RATED TRENCH DRAIN (4'-6" IN LENGTH). REFER TO 8/CS01.	REFER TO C102 SITE GRADING PLAN, FOR CHANGE IN RIM ELEVATIONS.
4	735.03 TO 735.23	....	PIPE D 733.03	TRAFFIC RATED TRENCH DRAIN (21'-3" IN LENGTH). REFER TO 8/CS01.	REFER TO C102 SITE GRADING PLAN, FOR CHANGE IN RIM ELEVATIONS.
5	738.81	PIPE H 735.44 EX. PIPE 736.504	PIPE G 734.21	NEW NYLOPLAST DRAIN BASIN WITH SOLID COVER. REFER TO 6/CS01.	VERIFY EXISTING PIPE SIZE AND INVERT ELEVATION.

**STORMWATER PIPE CHART**

PIPE	LENGTH (FEET)	SLOPE (PERCENT)	DIAMETER (INCHES)	NOTES
A	....	....	12	VERIFY EXISTING SLOPE AND LENGTH THAT REMAINS TO VERIFY INVERT OUT OF STRUCTURE 2.
B	....	....	....	VERIFY EXISTING PIPE SIZE, SLOPE, AND LENGTH THAT REMAINS TO VERIFY INVERT IN STRUCTURE 2.
C (HDPE)	26	1.00	6	
D (HDPE)	13	1.10	6	
E (HDPE)	45	1.00	10	
F (HDPE)	50	2.00	10	
G (HDPE)	15	2.00	10	
H (HDPE)	6	1.00	8	

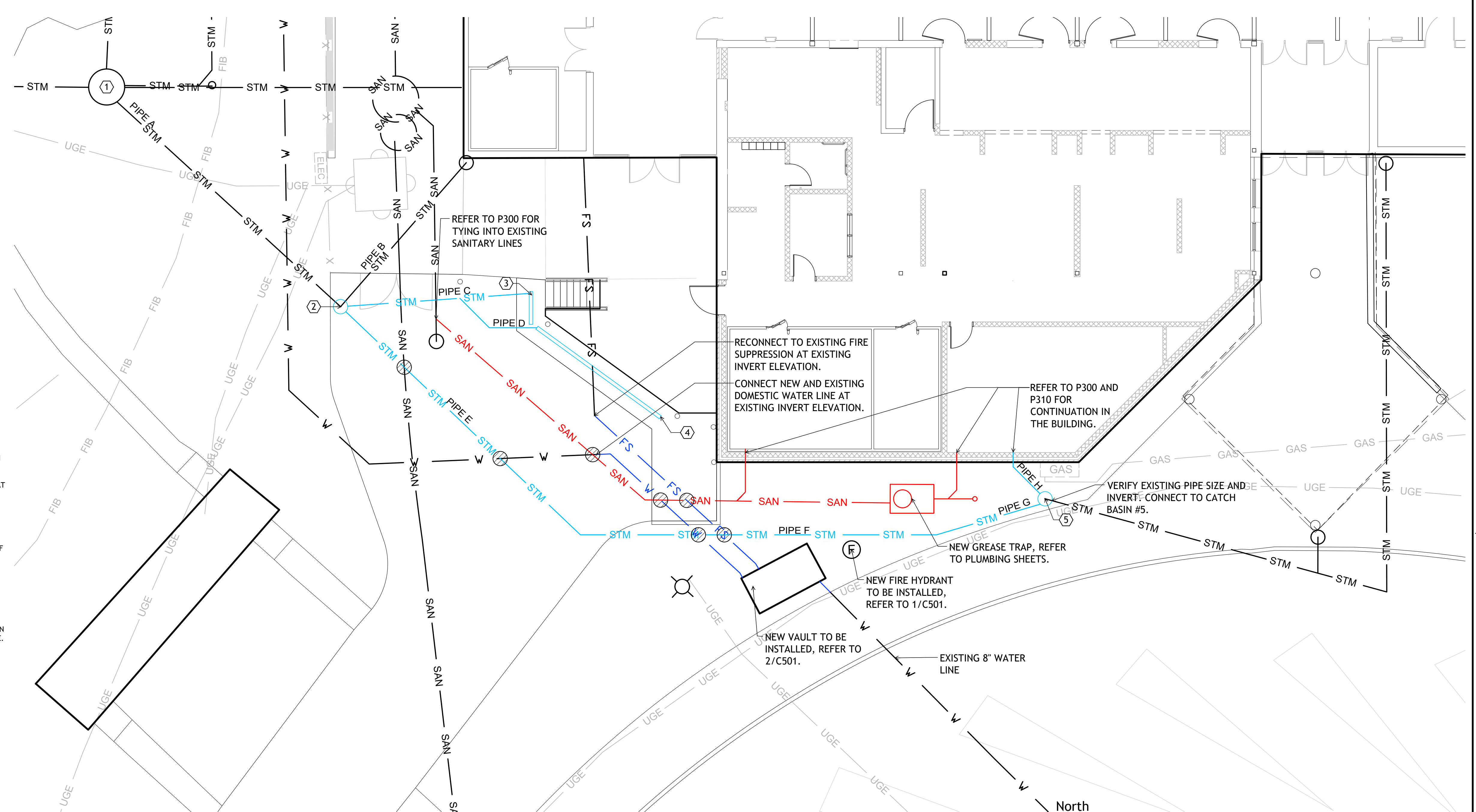
**Utility Legend**

- Existing Water Line
- Existing Fire Suppression
- Existing Sanitary Sewer Line
- Existing Stormwater Sewer Line
- New Stormwater Sewer Line
- New Sanitary Sewer Line
- New 4" Domestic Water Line
- New 6" Fire Suppression Line
- Underground Electric
- Fiber
- Gas Line
- Utility Crossings, refer to General Notes.

**General Notes:**

**Water, Stormwater, & Sanitary**

- VERIFY ALL EXISTING UTILITY LOCATIONS, ALONG WITH BUT NOT LIMITED TO DEPTH, SLOPE, SIZE, AND CONDITION OF LINES. NOTIFY PROJECT ARCHITECT IF ANY EXISTING UTILITY LOCATIONS DO NOT MATCH WHAT IS SHOWN ON THE PLANS.
- FIELD VERIFY AND COORDINATE INVERTS AT CROSSINGS AND MAINTAIN CLEARANCES BETWEEN PIPING AS INDICATED IN GENERAL NOTES BELOW.
- NEW STORMWATER LINES TO HAVE A MINIMUM SLOPE OF 1.00%.
- NEW SANITARY LINES TO HAVE A MINIMUM SLOPE OF 1.00% AND A MAXIMUM OF 2.00% SLOPE.
- STORMWATER LINE AND SANITARY LINE TO HAVE A MINIMUM OF 2'-0" SEPARATION BETWEEN LINES.
- SEWER AND WATER LINES, INCLUDING FIRE SUPPRESSION LINE, TO HAVE A MINIMUM OF 18" VERTICAL CLEARANCE.
- SEWER AND WATER LINES THAT RUN PARALLEL, MUST HAVE A MINIMUM HORIZONTAL SEPARATION OF 10'-0".



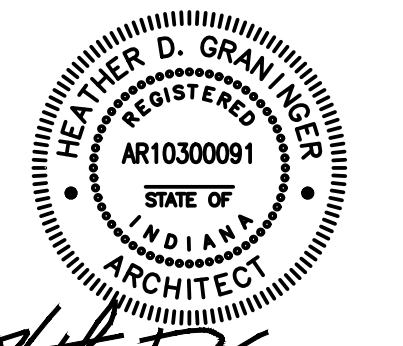
**Site Utility Plan: Water, Stormwater, & Sanitary**  
 full size plot scale: 1/8" = 1'-0"

**NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING**

**Notice**

The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.





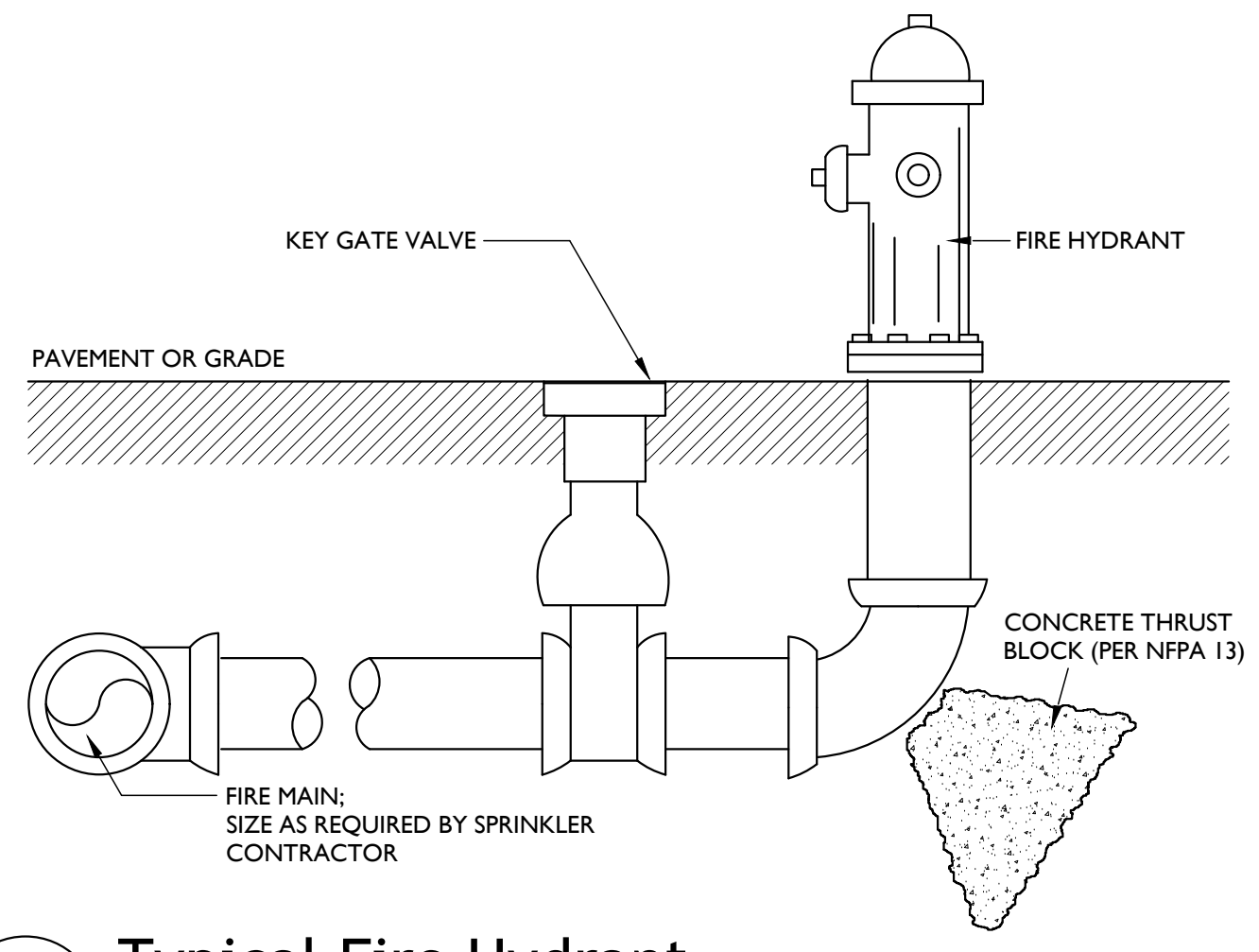
*Matthew D. Gray*  
ISSUED FOR DATE  
Public Bidding Only 04-03-2024

PROJECT TITLE  
**NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS**

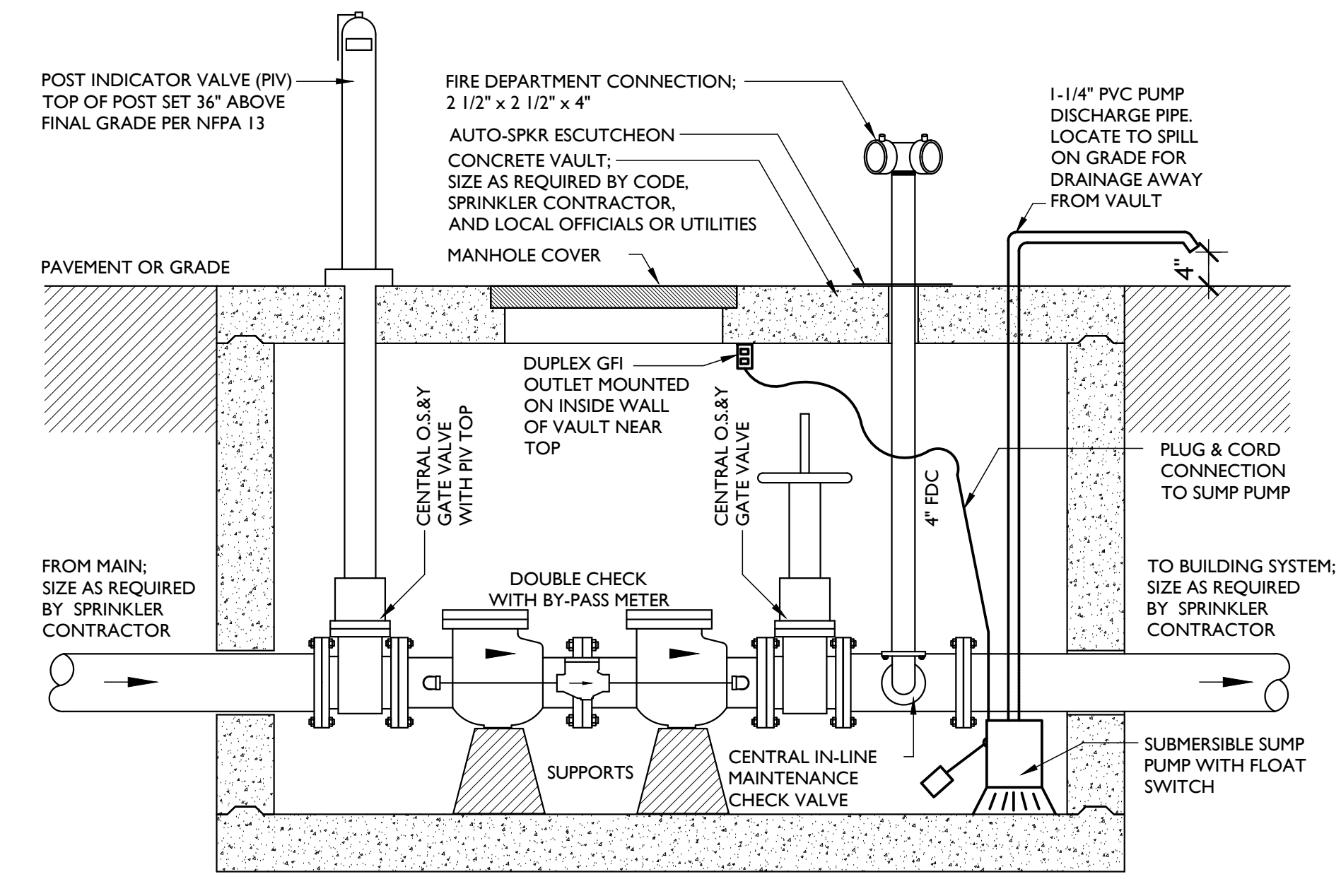
OWNER  
**NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166**

DATE  
**APRIL 3, 2024**

SHEET TITLE  
**SITE UTILITY DETAILS**  
SHEET NUMBER  
**C 501**  
23-228.001

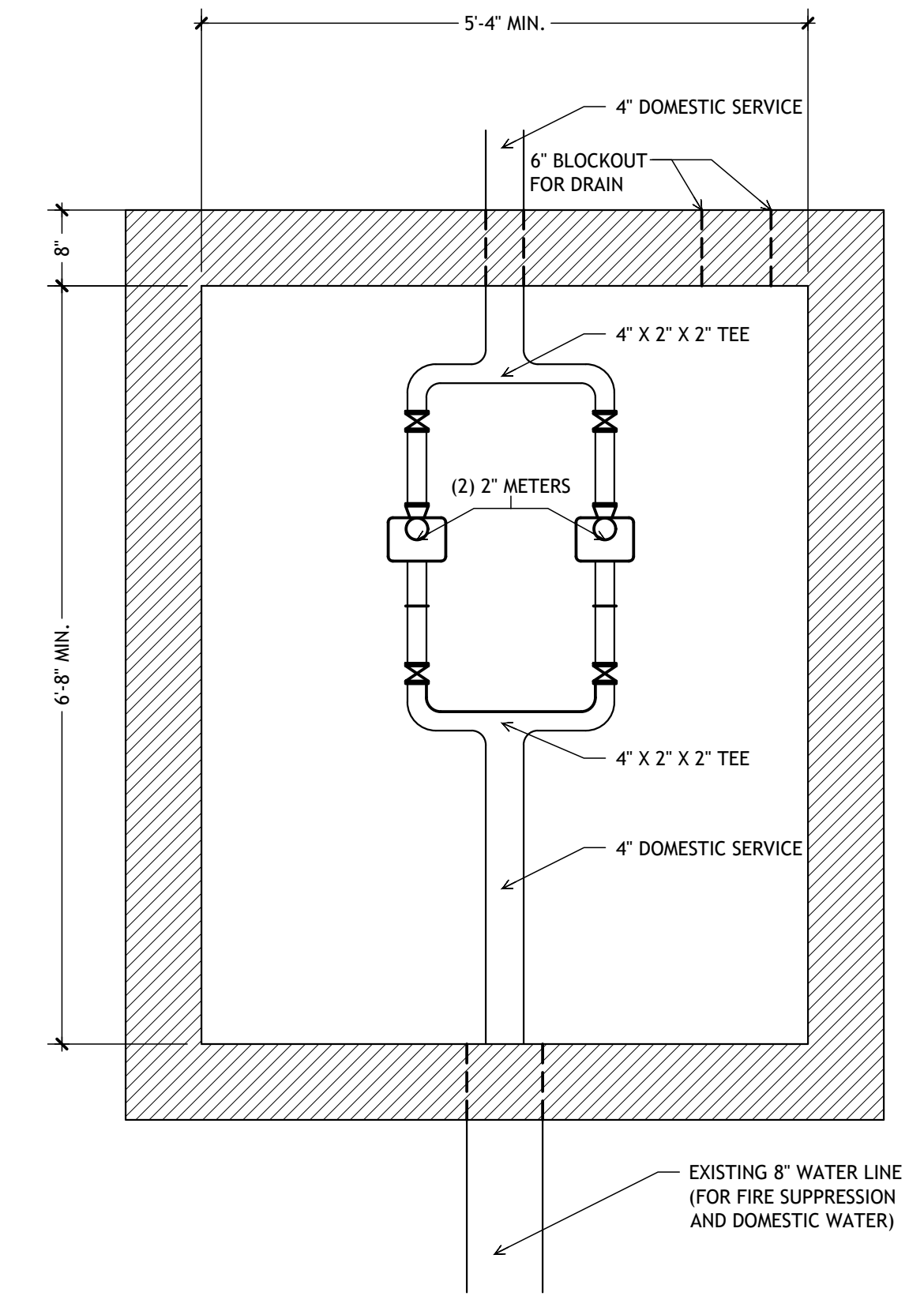


**1**  
C501  
Typical Fire Hydrant  
NOT TO SCALE



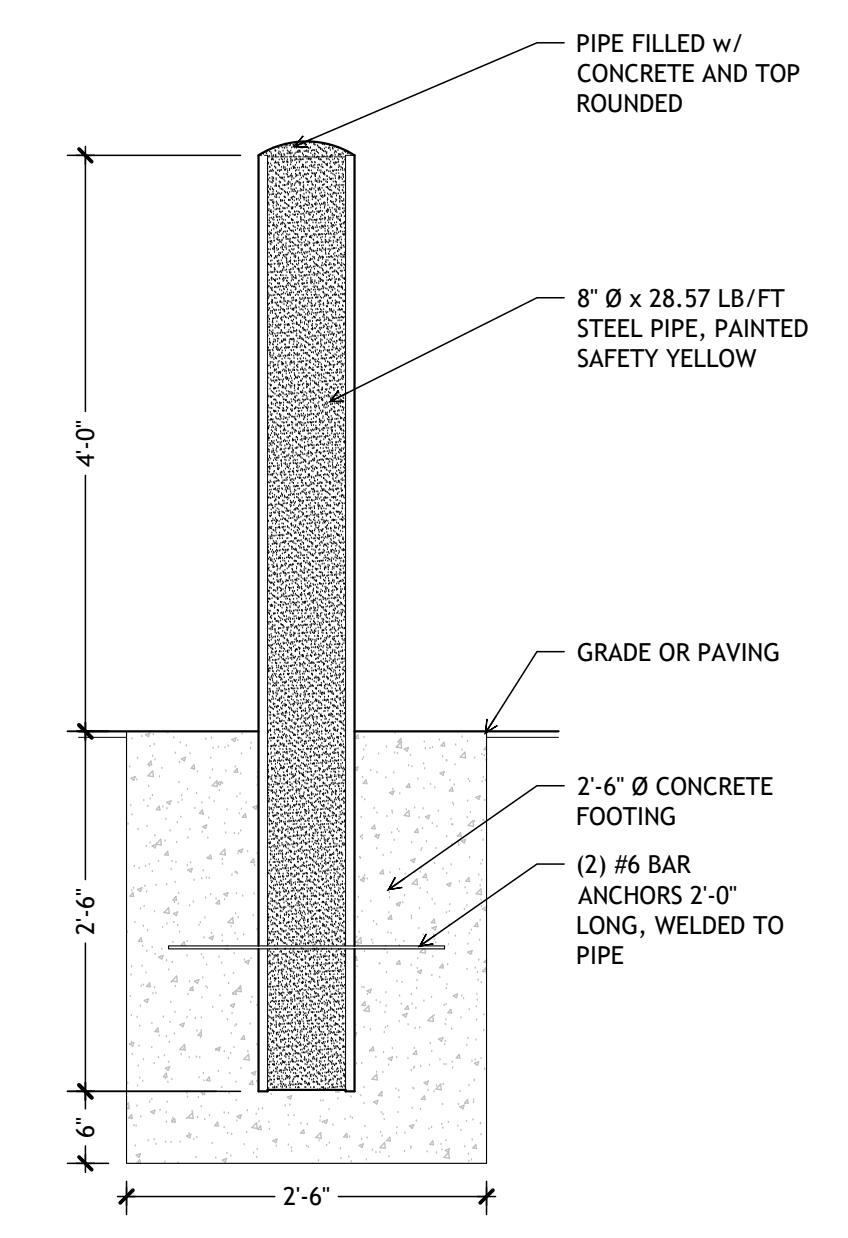
**2**  
C501  
Typical Fire Service Vault and Double-Check  
NOT TO SCALE

**2**  
C501  
Domestic Water and Fire Protection Vault  
NOT TO SCALE

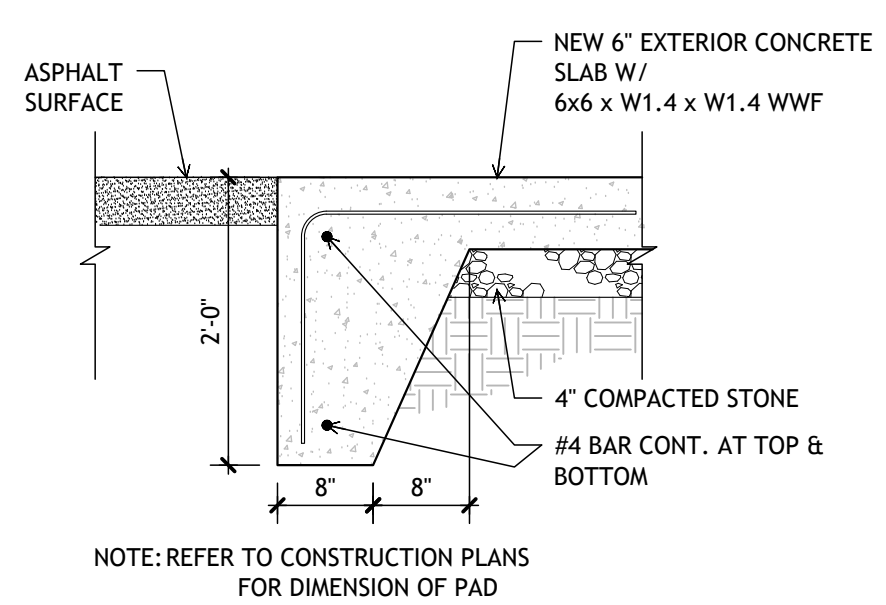


**Meter Box for Domestic Water Service**  
NOT TO SCALE

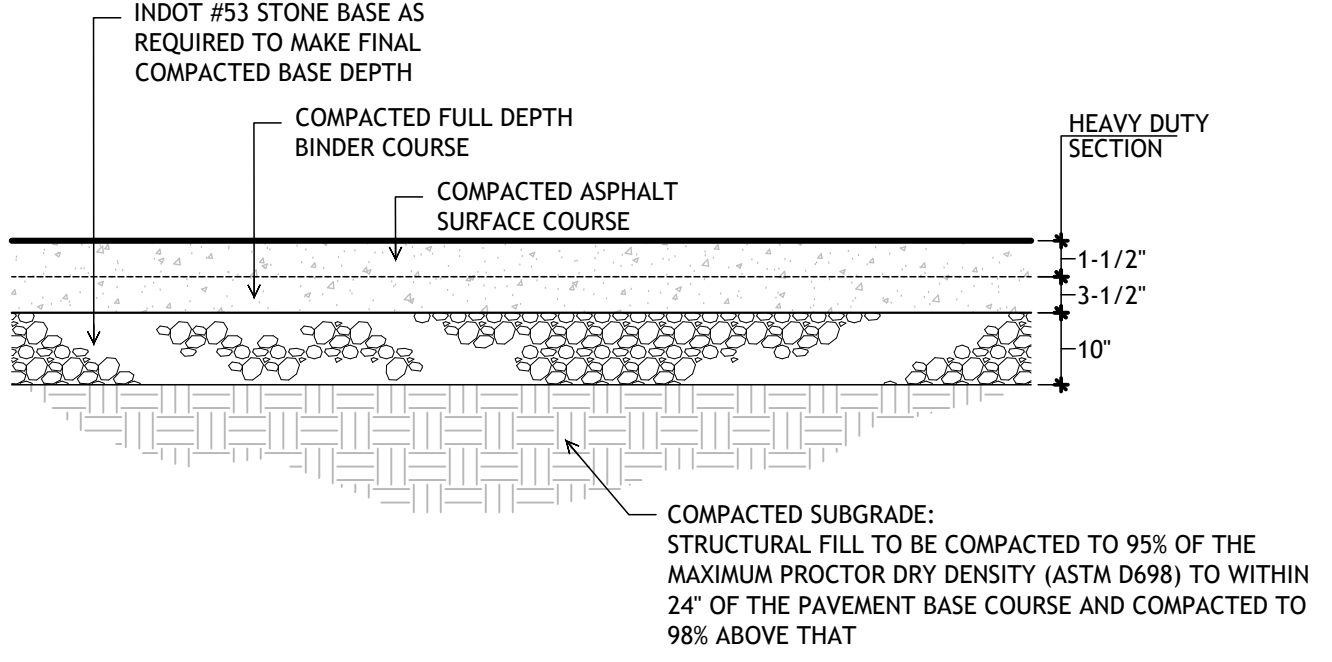
NOTES:  
1. 36"x36" (MIN) H2O ALUMINUM HATCH TO BE INSTALLED FOR ACCESS TO VAULT. HATCH DESIGNED TO BE INSTALLED IN NO TRAFFIC AREA AS INDICATED ON DRAWING.  
2. CONTRACTOR TO SUBMIT VAULT & METER DETAIL FOR APPROVAL PRIOR TO INSTALLATION.



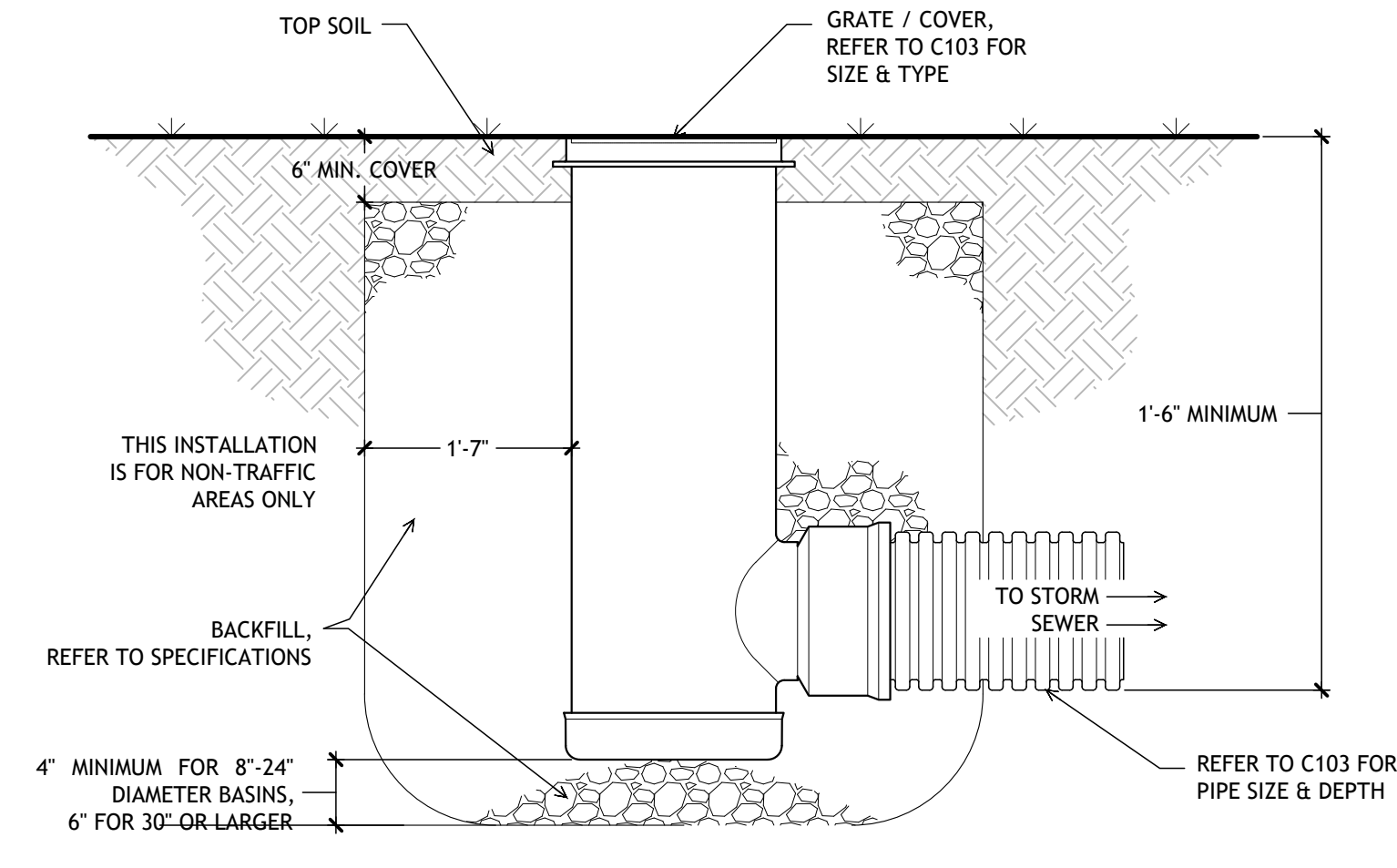
**3**  
C501  
Bollard Detail  
NOT TO SCALE



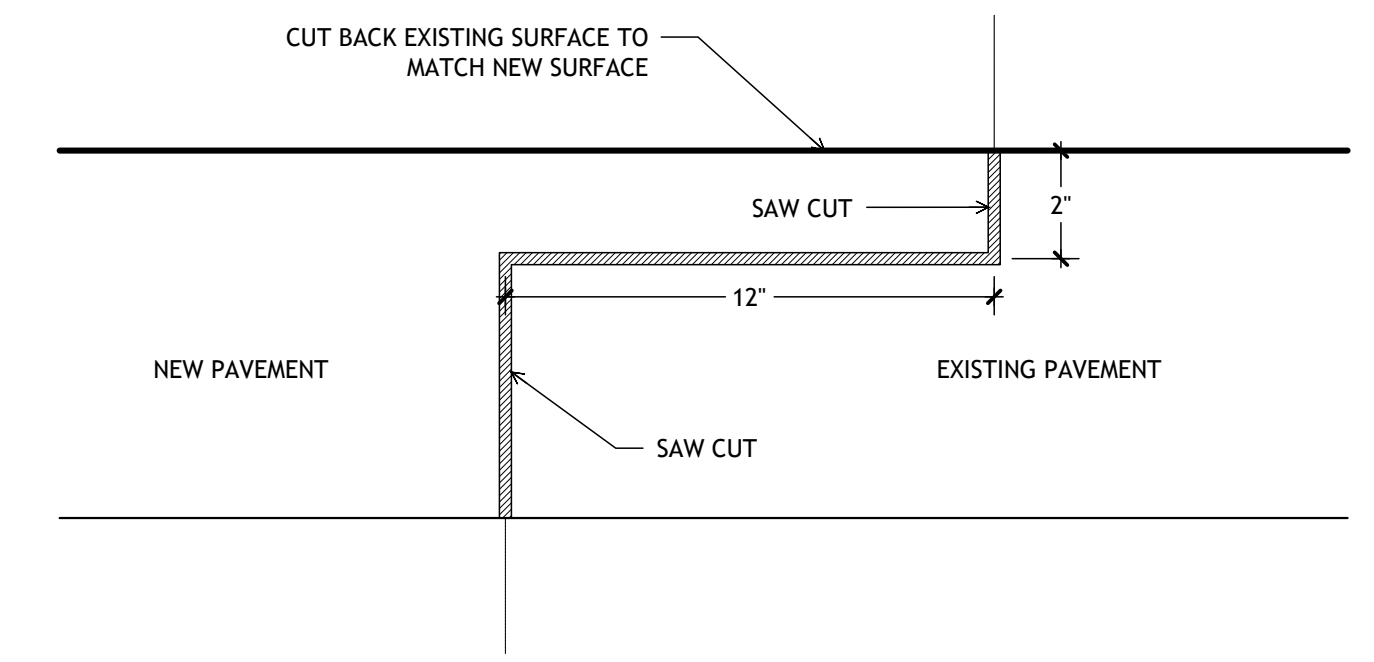
**4**  
C501  
Dumpster Pad Detail  
NOT TO SCALE



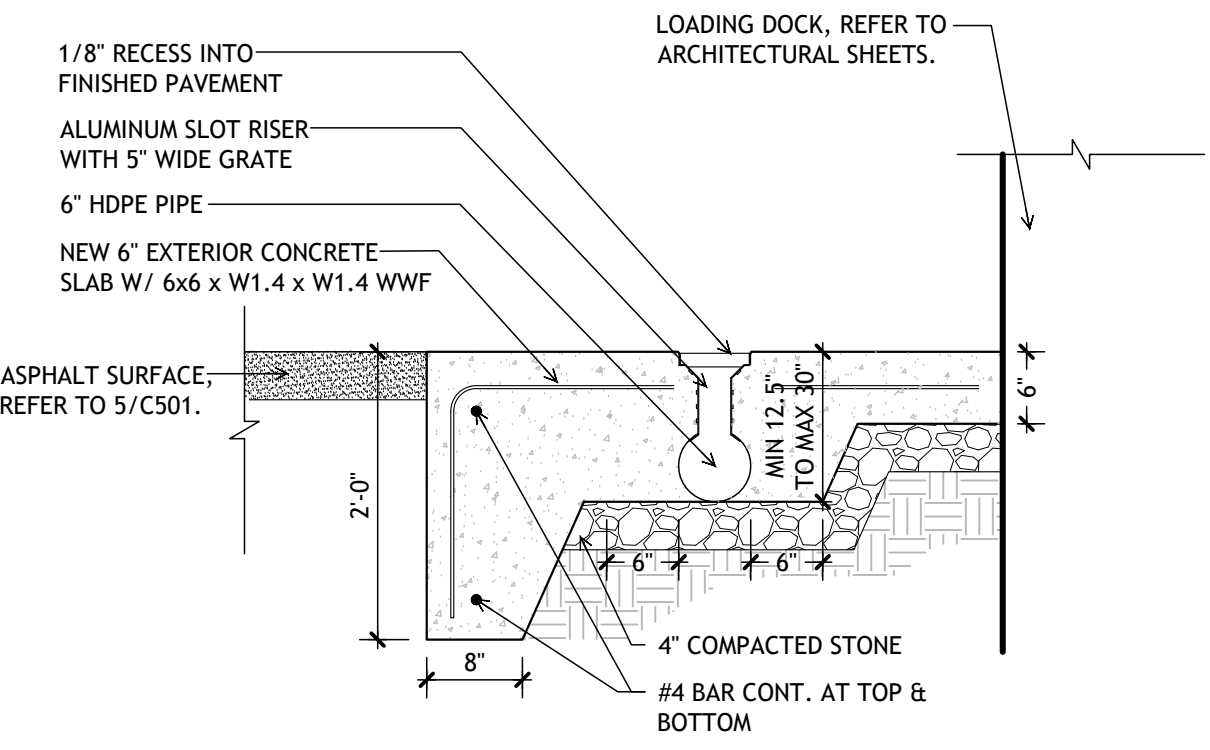
**5**  
C501  
New Asphalt Pavement Detail  
NOT TO SCALE



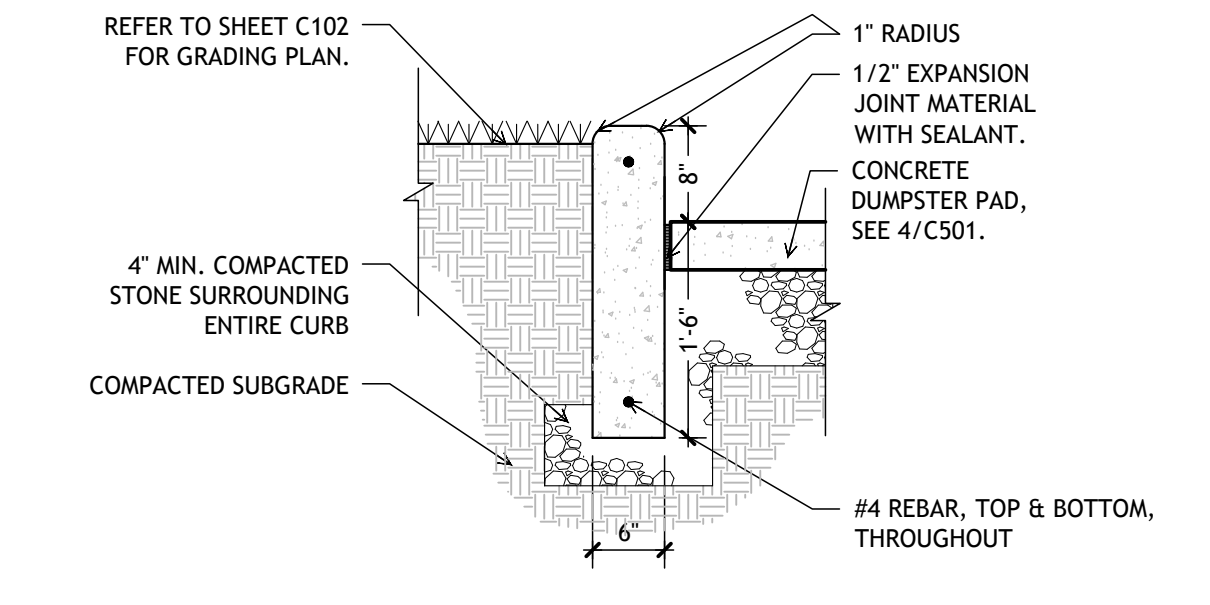
**6**  
C501  
Nyloplast Drain Basin Detail  
NOT TO SCALE



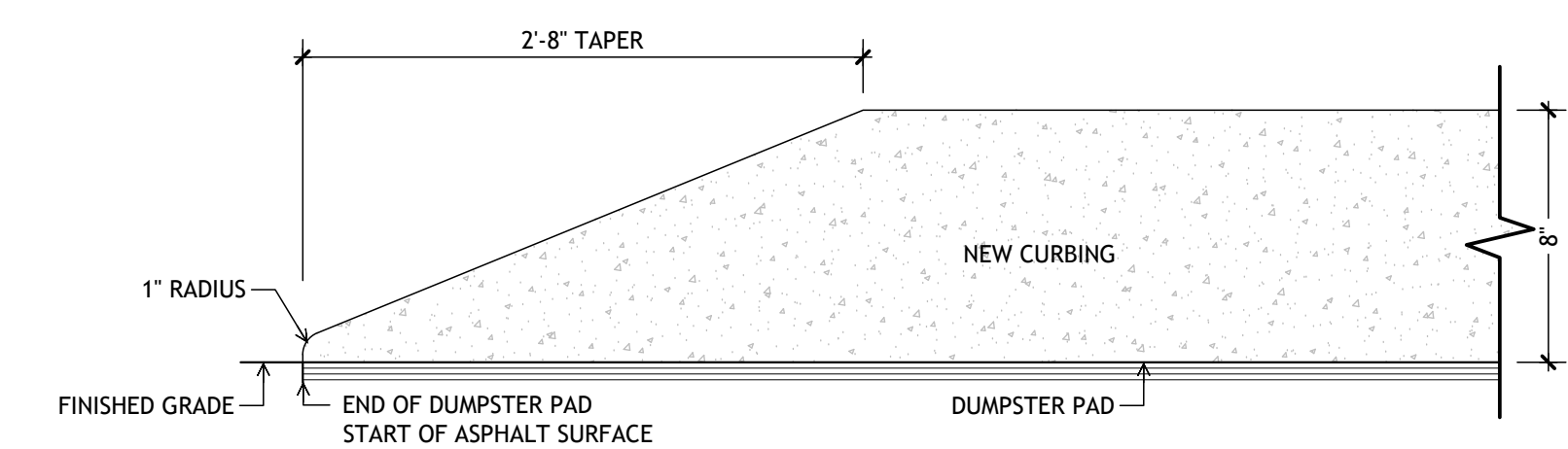
**7**  
C501  
Sawcut Detail  
NOT TO SCALE



**8**  
C501  
4'-0" Concrete Apron with Trench Drain - Heavy Traffic  
NOT TO SCALE



**9**  
C501  
8" Concrete Curb Detail  
NOT TO SCALE



**10**  
C501  
Curb Taper Detail  
NOT TO SCALE

**NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING**

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be depicted, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

STRUCTURAL GENERAL NOTES

STRUCTURAL DESIGN CRITERIA

- 1. APPLICABLE BUILDING CODES:
A. 2014 INDIANA BUILDING CODE
B. 2012 INTERNATIONAL BUILDING CODE
C. ASCE STANDARD: ASCE 7-10
2. PROJECT LOCATION: RAMSEY, INDIANA (NORTH HARRISON COUNTY)
3. DESIGN LOADS:
A. FLOOR LIVE LOADS
1. SLAB ON GRADE.....100 PSF
B. ROOF LIVE LOADS (MINIMUM).....20 PSF
C. SNOW LOADS
1. GROUND SNOW LOAD: P<sub>g</sub>=20 PSF
2. FLAT-ROOF SNOW LOAD: P<sub>f</sub>=22 PSF
3. SNOW EXPOSURE FACTOR: C<sub>e</sub>=1.0
4. THERMAL FACTOR: C<sub>t</sub>=1.0
5. SNOW LOAD IMPORTANCE FACTOR: I<sub>s</sub>=1.1
D. WIND LOADS
1. BASIC WIND SPEED=120 MPH, 3-SECOND GUSTS (BASIC WIND SPEED FOR RISK CATEGORY III)
2. WIND IMPORTANCE FACTOR: I<sub>w</sub>=1.0
3. EXPOSURE CATEGORY: C
4. DESIGN WIND PRESSURE (ULTIMATE) FOR COMPONENTS AND CLADDING:
WALLS - INTERIOR ZONE: P=33.2 PSF
WALLS - EDGE STRIP ZONE: P=60.9 PSF
ROOF - INTERIOR ZONE: P=-48.6 PSF
ROOF - EDGE STRIP ZONE: P=-76.3 PSF
ROOF - CORNER ZONE: P=-104 PSF
5. DESIGN WIND PRESSURE (ULTIMATE) FOR MAIN WINDFORCE RESISTING SYSTEM: P=29.5 PSF
6. INTERNAL PRESSURE COEFFICIENT: ±0.18
E. EARTHQUAKE LOADS
1. RISK CATEGORY: III
2. SEISMIC IMPORTANCE FACTOR = 1.25
3. MAPPED SPECTRAL RESPONSE ACCELERATION: S<sub>as</sub>=23.8%, S<sub>1</sub>= 11.5%
4. SITE CLASS: C
5. SPECTRAL RESPONSE ACCELERATION PARAMETERS: S<sub>0s</sub>=19%, S<sub>01</sub>=12.9%
6. SEISMIC DESIGN CATEGORY B

CONCRETE

- 1. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
2. REINFORCING STEEL SHALL BE AS FOLLOWS:
STIRRUPS AND TIES .....ASTM A615 GRADE 60
ALL OTHER REINFORCING .....ASTM A615 GRADE 60
WELDED WIRE FABRIC .....ASTM A185
\* WELDED WIRE FABRIC FOR USE IN ELEVATED SLABS ON METAL DECK SHALL BE SUPPLIED IN FLAT SHEETS, NOT ROLLS. ROLLS OF WELDED WIRE FABRIC PROVIDED FOR THIS PURPOSE WILL BE REJECTED AND RETURNED TO SUPPLIER.
3. PROVIDE BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH ACI DETAILING MANUAL. ALL BAR SUPPORTS IN AREAS WHERE CONCRETE WILL BE EXPOSED SHALL HAVE PLASTIC FEET. PRECAST CONCRETE (f<sub>c</sub>=3000psi) BLOCKS 3"x3"x3" SHALL BE USED TO SUPPORT REINFORCING OFF OF THE GROUND. AT ALL OTHER LOCATIONS, CHAIRS OR STANDEES SHALL BE USED.
4. DETAILING, FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO APPLICABLE PROVISIONS OF ACI 318 AND ACI 318R.
5. SLABS, FOUNDATION WALLS AND FOOTINGS SHALL HAVE NO HORIZONTAL JOINTS. ANY STOP IN CONCRETE WORK MUST BE MADE WITH VERTICAL KEVED BULKHEADS. ALL REINFORCEMENT SHALL CONTINUE THROUGH JOINTS.
6. BEFORE PLACING CONCRETE, THE CONTRACTOR SHALL NOTIFY ALL SUBCONTRACTORS TO BE SURE ALL SLEEVES, CONDUIT, CHASES, ETC. ARE PROPERLY INSTALLED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS PRACTICAL, BUT AT LEAST 24 HOURS PRIOR TO PLACING CONCRETE TO ALLOW FOR INSPECTION OF REINFORCING AND EMBEDDED ITEMS.
7. MATERIALS SHALL COMPLY WITH REQUIREMENTS OF DESIGNATED SPECIFICATIONS OF AMERICAN SOCIETY FOR TESTING AND MATERIALS, 1916 RACE STREET, PHILADELPHIA, PENNSYLVANIA.
8. CONSTRUCTION PROCEDURES SHALL COMPLY WITH RECOMMENDATIONS SET FORTH IN DESIGNATED STANDARDS OF AMERICAN CONCRETE INSTITUTE, P.O. BOX 9094, FARMINGTON HILLS, MICHIGAN 48333.
9. ADMIXTURE OTHER THAN AIR-ENTRAINING SHALL NOT BE USED WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER. AIR-ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
10. CURING COMPOUND SHALL CONFORM TO FEDERAL SPECIFICATION TT-C800A, AND A.S.T.M. C309. THE MATERIAL SHALL BE EQUAL TO SONNEBORN KUR-N-SEAL, MASTERSEAL, BY MASTER BUILDERS, OR CLEAR SEAL, BY W.R. GRACE.
11. ALL REINFORCING SPLICES SHALL BE CLASS B TENSION LAP SPLICE.
12. SPREAD BARS AROUND SMALL OPENINGS AND SLEEVES IN SLABS AND WALLS WHERE POSSIBLE AND WHERE BAR SPACING WILL NOT EXCEED 1.5 TIMES THE NORMAL SPACING, DISCONTINUE BARS AT LARGE OPENINGS WHERE NECESSARY AND PROVIDE AN AREA OF REINFORCEMENT EQUAL TO THE INTERRUPTED REINFORCEMENT, DISTRIBUTING ONE-HALF OF THIS REINFORCEMENT EACH SIDE OF THE OPENING (CLASS B TENSION LAP SPLICED). HOLES LARGER THAN 12 INCHES IN ANY DIRECTION SHALL HAVE (1)5x5'-0" DIAGONAL BAR IN BOTH FACES AT EACH CORNER.
13. PIER REINFORCEMENT SHALL BE DOWELED TO THE FOOTING. PROVIDE DOWELS EQUAL IN SIZE, NUMBER AND GRADE TO THE PIER REINFORCEMENT UNLESS OTHERWISE INDICATED. DOWELS SHALL BE HOOKED 90 DEGREES AT THE BOTTOM LEVEL OF FOOTING REINFORCEMENT. DOWELS SHALL BE LAPPED WITH THE PIER REINFORCEMENT.
14. PIER REINFORCEMENT SHALL BE THE SAME SIZE, NUMBER AND GRADE AS THE COLUMN/PILASTER REINFORCING, UNLESS OTHERWISE NOTED.
15. ALL VERTICAL CONCRETE SURFACES SHALL BE FORMED. HOWEVER, VERTICAL SURFACES OF FOOTINGS AND GRADE BEAMS MAY BE EARTH-FORMED IF THE SOIL IS SUFFICIENTLY STIFF TO PREVENT CAVE-INS.
16. REINFORCING BARS SHALL BE IN PLACE AND SECURED PRIOR TO POURING CONCRETE. "STICKING" OF REINFORCING AFTER CONCRETE IS PLACED IS PROHIBITED.
17. REINFORCING BAR SHOP DRAWINGS SHALL SHOW NUMBER, SIZE AND LOCATION OF BARS, AS WELL AS LAP LENGTH AND CLEAR COVER.
18. ALL CONCRETE SLABS SUPPORTED BY SOIL OR GRANULAR SUB-BASE SHALL CONTAIN CONTROL JOINTS AND CONSTRUCTION JOINTS, AT SPACING PER SPECIFICATIONS. SAW-CUT JOINTS SHALL BE INSTALLED AS SOON AS THE CONCRETE IS HARD ENOUGH TO WITHSTAND SAWING WITHOUT RAVELLING JOINT EDGES OR DISLODGING COARSE AGGREGATE PARTICLES. LIGHTWEIGHT EARLY-CUT SAWS SHALL BE USED. CONTRACTOR SHALL SUBMIT CONSTRUCTION AND CONTROL JOINT LAYOUT FOR APPROVAL PRIOR TO PLACING CONCRETE SLABS.

FOUNDATIONS

- 1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER IN THE REPORT, DATED JANUARY 2, 2024 AND PREPARED BY ASHER ENGINEERING, INC. (AEI PROJECT NO. 23-122).
2. ENGINEERED FILL AND BACKFILL SHALL BE PLACED AND COMPACTED ACCORDING TO THE SPECIFICATIONS.
3. ALL DRILLED PIERS INDICATED ON THE DRAWINGS SHALL BEAR ON SOUND LIMESTONE BEDROCK. ASSUMED ALLOWABLE ROCK BEARING PRESSURE = 100 KSF.
4. GRADE BEAMS: PROVIDE 90° HOOK AT END OF TOP BARS AND FACE BARS.
5. CONCRETE FOR USE IN DRILLED PIERS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
6. ONE 2" DIAMETER X 5 FT. LONG PERCUSSION-DRILLED TEST HOLE SHALL BE INSTALLED BY THE CONTRACTOR AT THE BOTTOM OF EVERY FOURTH DRILLED PIER SHAFT TO ALLOW FOR INSPECTION BY THE GEOTECHNICAL ENGINEER.
7. DRILLED PIER INSTALLATION SHALL BE OBSERVED AND DOCUMENTED BY THE GEOTECHNICAL ENGINEER (INSPECTOR) TO ASSURE THAT THE DESIGN CRITERIA ARE BEING OBTAINED.
8. ALL DRILLED PIERS SHALL BE TEMPORARILY CASED FOR INSPECTION PRIOR TO PLACING CONCRETE.
9. NO MORE THAN 2 INCH OF STANDING WATER SHALL BE ALLOWED AT THE BOTTOM OF DRILLED PIERS.
10. PRIOR TO CONSTRUCTION OF ANY PERMANENT STRUCTURE, ALL EXISTING SURFACE FILL, ALL TOPSOIL AND ORGANIC MATERIAL, ALL WET, SOFT, LOOSE, OR UNDESIRABLE SOIL, AND ALL OLD ABANDONED CONCRETE SHALL BE REMOVED.
11. CONCRETE FOR GRADE BEAMS & FOOTINGS SHALL BE PLACED THE SAME DAY EXCAVATIONS ARE OPENED. IF THIS IS IMPOSSIBLE, STEPS SHALL BE TAKEN TO ADEQUATELY PROTECT THE OPEN EXCAVATION.
12. CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE ADJACENT BUILDINGS AND MAINTAINING THE STRUCTURAL INTEGRITY OF ADJACENT BUILDINGS DURING CONSTRUCTION AND SHALL MONITOR THESE BUILDINGS ON A DAILY BASIS TO VERIFY THERE IS NO SETTLEMENT DURING CONSTRUCTION. THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER SHALL REPAIR ANY DAMAGE INCURRED TO EXISTING BUILDINGS CAUSED BY THE CONSTRUCTION. PHOTOGRAPHS OF THE EXISTING BUILDING SHALL BE TAKEN PRIOR TO BEGINNING CONSTRUCTION IN ORDER TO DOCUMENT THE EXISTING CONDITIONS.
13. CONTRACTOR IS RESPONSIBLE FOR DESIGN AND CONSTRUCTION OF THE PERMANENT AND TEMPORARY SOIL RETAINING STRUCTURES REQUIRED FOR THE CONSTRUCTION.

Notice

The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

REINFORCED MASONRY

- 1. COMPRESSIVE STRENGTH OF CONCRETE MASONRY SHALL BE F<sub>w</sub>=1500 PSI.
2. GROUT FOR BOND BEAMS AND GROUTED CELLS IN CONCRETE MASONRY UNITS SHALL BE COURSE GROUT CONCRETE WITH A 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI.
3. MORTAR FOR CONCRETE MASONRY SHALL BE TYPE S.
4. PROVIDE CONTINUOUS HORIZONTAL JOINT REINFORCING IN ALL REINFORCED MASONRY WALLS AT 16 INCHES ON CENTER UNLESS NOTED OTHERWISE.
5. SPLICES IN VERTICAL REINFORCEMENT SHALL BE LAPPED IN ACCORDANCE WITH THE LAP SPLICE TABLE.
6. ALL MASONRY WALLS SHALL BE Laterally Braced by the Contractor until all structural framing and decking have been installed in units of construction adjacent to the walls.
7. A BOND BEAM WITH (2)#5 BARS SHALL BE PROVIDED AT THE TOP OF ALL WALLS, AND AT THE BEARING ELEVATION OF STEEL JOISTS, UNLESS NOTED OTHERWISE.
8. ALL CMU UNITS LOCATED BELOW GRADE SHALL BE GROUTED SOLID.
9. AT BEAMS, COLUMNS AND LINTELS BEARING ON MASONRY WALLS, UNLESS DETAILED OR NOTED OTHERWISE, FILL TWO BLOCK CORES SOLID WITH GROUT AND REINFORCE EACH CORE WITH ONE #5 VERTICAL REBAR FULL HEIGHT OF WALL.
10. UNLESS OTHERWISE SHOWN OR NOTED, PROVIDE A 7-1/2 INCH X 12 INCH X 3/8 INCH BEARING PLATE WITH (2)1/2 INCH DIAMETER X 4 INCH LONG HEADED STUDS EMBEDDED INTO GROUTED CORES AT ALL BEAMS BEARING ON MASONRY WALLS.
11. UNLESS OTHERWISE SHOWN OR NOTED, PROVIDE A 7-1/2 INCH X 7-1/2 INCH X 3/8 INCH BEARING PLATE WITH (2) 1/2 INCH DIAMETER X 4 INCH LONG HEADED STUDS EMBEDDED INTO GROUTED BOND BEAM AT ALL JOISTS BEARING ON MASONRY WALLS.
12. UNLESS OTHERWISE SHOWN OR NOTED, PLACE (1)#5 FULL-HEIGHT VERTICAL REINFORCING BAR AT ALL WALL CORNERS, ENDS OF WALLS, EACH SIDE OF CONTROL JOINTS, SIDES OF OPENINGS, AND WALL INTERSECTIONS. (PLACE (2)#5 BARS AT SIDES OF OPENINGS 10 FEET WIDE AND GREATER)
13. LOCATE VERTICAL CONTROL JOINTS IN ALL REINFORCED MASONRY WALLS AT A MAXIMUM SPACING OF 25'-3" O.C. LOCATIONS OF JOINTS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. BOND BEAM AND REINFORCING SHALL BE CONTINUOUS THROUGH THE CONTROL JOINT.
14. SECURE ALL VERTICAL REINFORCING STEEL IN CMU WALLS WITH DUR-O-WALL REBAR POSITIONER OR APPROVED EQUAL.
15. GROUT FILL BEAM AND JOIST POCKETS IN CMU WALLS AFTER WELDS ARE INSPECTED.

STRUCTURAL STEEL

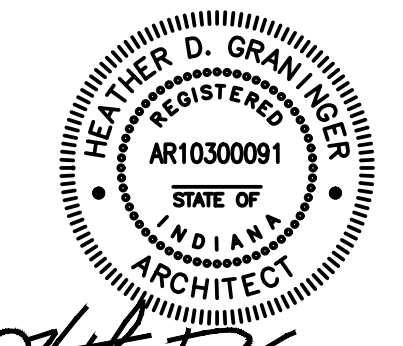
- 1. ALL ROLLED STEEL PLATES, SHAPES (EXCLUDING WIDE FLANGE SHAPES), BARS AND MISCELLANEOUS ITEMS SHALL BE STRUCTURAL QUALITY CARBON STEEL COMPLYING WITH ASTM A56 (MINIMUM YIELD 36,000 PSI). WIDE FLANGE SHAPES SHALL BE STRUCTURAL QUALITY CARBON STEEL COMPLYING WITH ASTM A992 (MINIMUM YIELD 50,000 PSI).
2. HOLLOW STRUCTURAL SECTIONS (HSS) SHALL COMPLY WITH ASTM A500, GRADE B (MINIMUM YIELD 46 KSI FOR SQUARE AND RECTANGULAR SECTIONS) AND 42 KSI FOR ROUND SECTIONS).
3. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER ASTM F1852, TYPE 1 TWIST-OFF-TYPE TENSION-CONTROL BOLTS IN BEARING-TYPE CONNECTIONS.
4. ANCHOR RODS SHALL COMPLY WITH ASTM F1554, GRADE 36.
5. EXPANSION ANCHORS SHALL BE HILTI CARBON STEEL KWIK BOLT 3 (KB3) ANCHOR MANUFACTURED BY HILTI FASTENING SYSTEMS, OR APPROVED EQUAL. INSTALL IN ACCORDANCE WITH THE SUPPLIER'S RECOMMENDATIONS.
6. ADHESIVE ANCHORS SHALL CONSIST OF AN HAS-E STEEL ANCHOR ROD WITH THE HIT HY200 ADHESIVE (HIT HY20 ADHESIVE FOR MASONRY CONSTRUCTION WITH VOIDS) SUPPLIED BY HILTI FASTENING SYSTEMS, OR APPROVED EQUAL. INSTALL IN ACCORDANCE WITH THE SUPPLIER'S RECOMMENDATIONS.
7. WELDED HEADED STUDS TO BE USED AS CONCRETE ANCHORS OR SHEAR STUDS SHALL BE LOW CARBON STEEL SOLID FLUXED STUDS COMPLYING WITH ASTM A-108, WITH A MINIMUM F<sub>u</sub>=60KSI. STUDS SHALL BE AUTOMATICALLY END WELDED. THE SPECIFIED LENGTH IS THE AFTER WELD LENGTH (AWL).
8. DEFORMED BAR ANCHORS (DBA): LOW CARBON STEEL PER ASTM A496(F<sub>u</sub>=80KSI), SHALL BE AUTOMATICALLY END WELDED.
9. ALL WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED TO PERFORM EACH TYPE OF WELD REQUIRED. ALL WELDS AND WELDING PROCEDURES SHALL COMPLY WITH AWS D1.1, USING E70XX ELECTRODES UNLESS NOTED OTHERWISE. ALL WELDS SHALL BE INSPECTED.
10. WELD SIZES NOT SHOWN ON DESIGN DRAWINGS SHALL BE MINIMUM SIZE REQUIRED BY AWS D1.1 (LATEST EDITION) ACCORDING TO THE MATERIAL THICKNESS BEING WELDED. ALL WELDS SHALL BE PRE-QUALIFIED PER AWS D1.1 (LATEST EDITION).
11. STEEL FRAMEWORK SHALL NOT BE ASSUMED STRUCTURALLY STABLE UNTIL ALL MEMBERS ARE IN PLACE AND CONNECTIONS ARE INSTALLED. ANY USE OF THE PARTIALLY ERRECTED FRAMEWORK FOR TEMPORARY SUPPORT OF ANY KIND SHALL BE DONE ONLY AT THE CONTRACTOR'S RISK.
12. COMPLY WITH THE PROVISIONS OF THE LATEST EDITIONS OF THE FOLLOWING CODES, SPECIFICATIONS AND STANDARDS, EXCEPT AS OTHERWISE SHOWN OR SPECIFIED HEREIN.
A. A.I.S.C. "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."
B. A.I.S.C. "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS."
C. A.I.S.C. "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."
D. AWS "STRUCTURAL WELDING CODE."
13. ALL CONNECTIONS NOT INDICATED ON THE DESIGN DRAWINGS SHALL BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE STRUCTURAL STEEL IS TO BE ERRECTED, RETAINED BY THE STEEL FABRICATOR. ALL CALCULATIONS AND SHOP DRAWINGS SHALL BE DULY STAMPED AND SIGNED BY THE LICENSED STRUCTURAL ENGINEER AND SUBMITTED FOR REVIEW BY THE ARCHITECT. STAMPING AND SIGNING OF SHOP DRAWINGS SHALL BE FOR THE EXCLUSIVE PURPOSE OF CERTIFYING THAT THE CONNECTIONS ARE DETAILED AS PER THE DESIGN PERFORMED BY THE LICENSED STRUCTURAL ENGINEER. FAILURE TO SUBMIT STAMPED AND SIGNED CALCULATIONS AND STAMPED AND SIGNED SHOP DRAWINGS SHALL BE SUFFICIENT CAUSE FOR REJECTION OF SHOP DRAWINGS. THE CONTRACTOR SHALL BE LIABLE FOR THE DIMENSION, FIT, TOLERANCES, FABRICATION AND ERECTION.
14. SIMPLE SPAN CONNECTIONS FOR BEAMS SHALL CONSIST OF STANDARD DOUBLE-ANGLE BOLTED AND/OR WELDED CONNECTIONS, AND SHALL BE DESIGNED FOR ONE-HALF THE BEAM LOAD CAPACITY AS GIVEN IN AISC TABLE 3-6 "MAXIMUM TOTAL UNIFORM LOAD" (AISC MANUAL, 14TH EDITION).
15. LENGTH OF CONNECTION ANGLES FOR BEAM-TO-COLUMN OR BEAM-TO-BEAM CONNECTIONS SHALL BE THE LARGEST STANDARD LENGTH LESS THAN OR EQUAL TO THE "T" DIMENSION OF THE BEAM. STANDARD LENGTHS AND AVAILABLE STRENGTH OF CONNECTION ANGLES ARE FOUND IN "A.I.S.C. MANUAL OF STEEL CONSTRUCTION" (14TH EDITION), TABLES 10-1 THRU 10-3.
16. PROVIDE VERTICAL WEB STIFFENERS ON EACH SIDE OF WEB OF BEAM AT ALL POINTS SUBJECTED TO CONCENTRATED LOADS, SUCH AS COLUMN RESTING ON BEAM AND BEAM FRAMING INTO A BEAM. THE STIFFENERS SHALL EXTEND TO FULL DEPTH OF BEAM AND THE BOUNDARY OF FLANGE WITH MINIMUM THICKNESS OF 3/8". (UNLESS NOTED OTHERWISE).
17. ANY CAMBER EXISTING IN BEAMS SHALL BE TURNED POSITIVE UPWARD.
18. BURNING OF HOLES IN STRUCTURAL STEEL IS NOT PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER OF RECORD.
19. MAINTAIN WORK IN A SAFE AND STABLE CONDITION DURING ERECTION. PROVIDE TEMPORARY SHORING AND BRACING MEMBERS AS REQUIRED, WITH CONNECTIONS OF SUFFICIENT STRENGTH TO BEAR IMPOSED LOADS. REMOVE TEMPORARY MEMBERS AND CONNECTIONS WHEN PERMANENT MEMBERS ARE IN PLACE AND FINAL CONNECTIONS ARE MADE. PROVIDE TEMPORARY GUY LINES TO ACHIEVE PROPER ALIGNMENT AND STABILITY OF THE STRUCTURE AS ERECTION PROCEEDS.

MISCELLANEOUS

- 1. MATERIAL FOR USE AS VAPOR BARRIER BENEATH CONCRETE SLABS ON GRADE SHALL BE 15 MIL POLYETHYLENE SHEETS, COMPLYING WITH ASTM D-2103. SHEETS SHALL BE LAPPED A MINIMUM OF 6" AT ALL EDGES. SPECIAL CARE SHALL BE TAKEN TO PREVENT PUNCTURING SHEETS PRIOR TO PLACEMENT OF SLABS.
2. NO CHANGE IN SIZE OF STRUCTURAL ELEMENTS OR MODIFICATION THEREOF SHALL BE MADE, NOR ARE ANY OPENINGS OR SLEEVES THROUGH ANY STRUCTURAL ELEMENTS PERMITTED, UNLESS DETAILED ON THE DRAWINGS.
3. CONSULT ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION, SIZES AND EXTENT OF CHASES, INSERTS, RECESSES, REGELETS, FINISHES, DEPRESSIONS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.
4. ALL WELDED WIRE FABRIC IN SLABS ON GRADE AND ELEVATED SLABS SHALL BE SUPPORTED BY CHAIRS, BOLSTERS, OR OTHER APPROVED SUPPORTING DEVICES. "PULLING-UP" OF MESH AFTER CONCRETE HAS BEEN PLACED IS NOT ACCEPTABLE.

CONTRACTOR RESPONSIBILITIES

- 1. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
2. COORDINATE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DOCUMENTS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION.
3. VERIFY THE DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE STARTING WORK. ANY DISCREPANCY BETWEEN SUCH DETAILS AND DIMENSIONS AS MAY OCCUR SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
4. NOTIFY, IN WRITING, THE STRUCTURAL ENGINEER OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN IN THE STRUCTURAL DOCUMENTS.
5. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
6. CONTRACTOR HAS SOLE RESPONSIBILITY FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC.
7. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA SAFETY REGULATIONS.
8. LAYOUT BUILDING AS INDICATED ON THE DRAWINGS, INFORMING ARCHITECT OF ANY DISCREPANCIES. THE LICENSED ENGINEER / SURVEYOR SHALL LAYOUT ALL NEW BUILDING FOUNDATIONS AND COLUMNS LINES.
9. TESTING AND INSPECTIONS BY CONTRACTOR.
10. DUE TO THE NATURE OF THE WORK, ALL DIMENSIONS AND/OR EXISTING DETAILS SHOWN ON THE DRAWINGS THAT WILL IN ANY WAY AFFECT THE WORK SHALL BE FIELD CHECKED PRIOR TO FABRICATION OF ANY MATERIALS. FIELD CHECKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF THERE IS ANY QUESTION AS TO THE INTENT OF THE WORK INDICATED, THE CONTRACTOR SHALL CLEAR THE QUESTION WITH THE ARCHITECT/ENGINEER BEFORE PROCEEDING.
11. THE CONTRACTOR SHALL BE AWARE THAT THE WORK INVOLVES ADDITIONS TO AN EXISTING FACILITY THAT WILL REMAIN IN OPERATION DURING CONSTRUCTION. IT IS THEREFORE MANDATORY THAT WORK WILL IN ANY WAY AFFECT THE NORMAL OPERATION OF THE FACILITY BE COORDINATED WITH THE OWNER.
12. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.

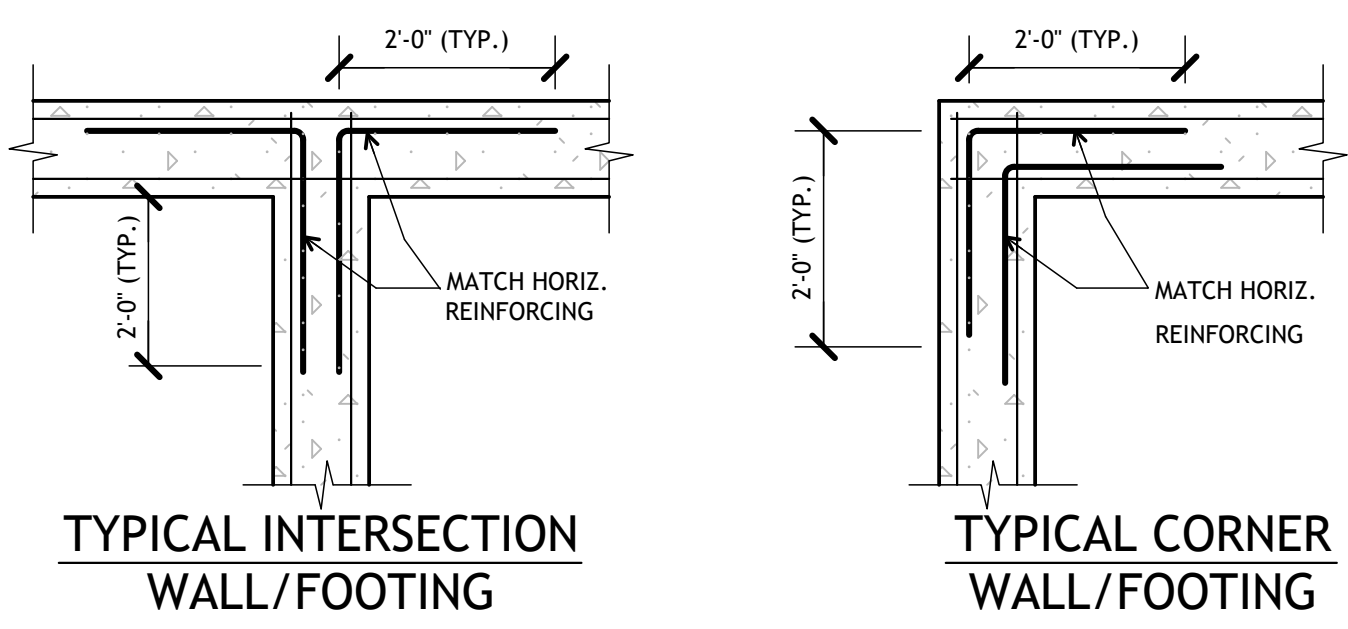


ISSUED FOR DATE
Public Bidding 04-03-2024

PROJECT TITLE
NORTH HARRISON
ELEMENTARY SCHOOL
2024 ADDITION AND
RENOVATIONS

OWNER
NORTH HARRISON
COMMUNITY SCHOOLS
1115 W WHISKEY RUN RD. NW
RAMSEY, INDIANA 47166

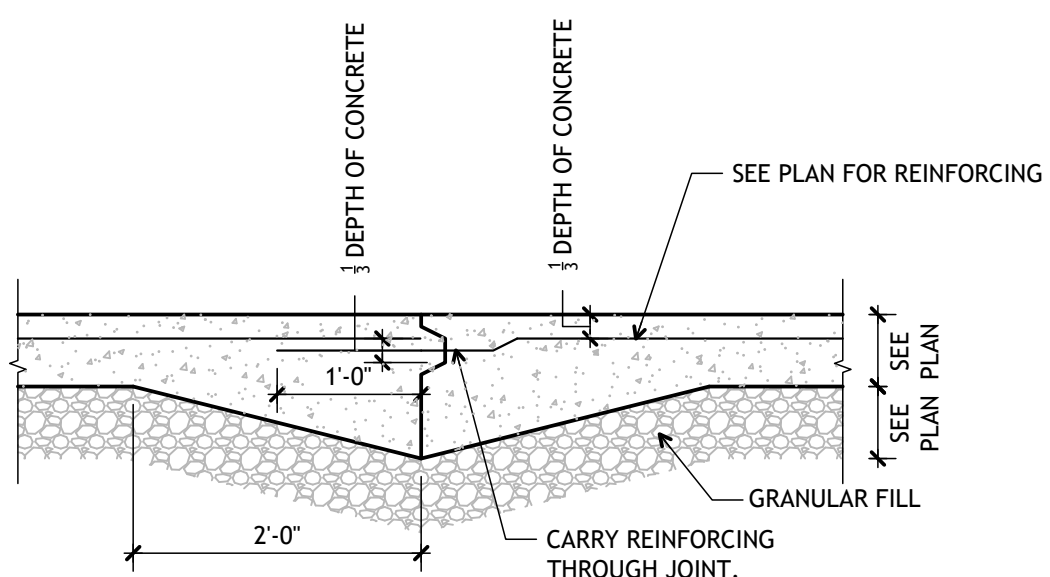
SHEET TITLE
GENERAL NOTES
SHEET NUMBER
S 001
DATE
APRIL 3, 2024
23-228.001



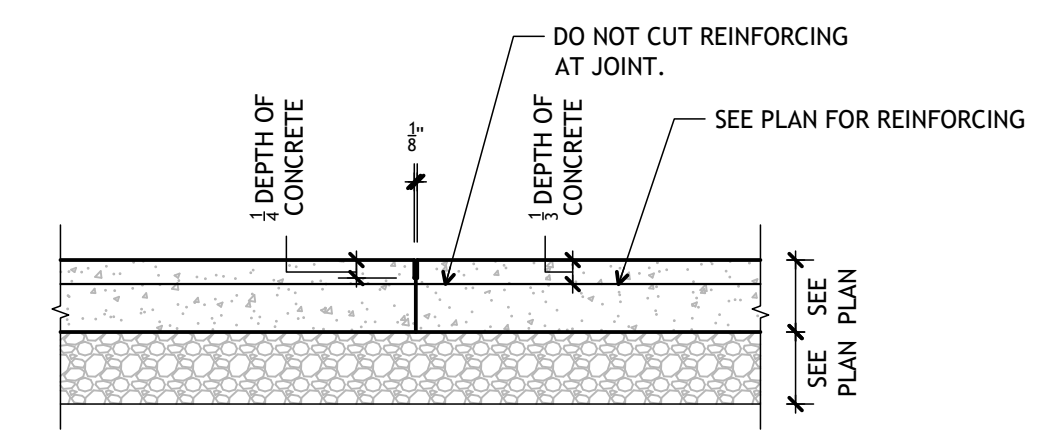
**TYPICAL INTERSECTION WALL/FOOTING**

**TYPICAL CORNER WALL/FOOTING**

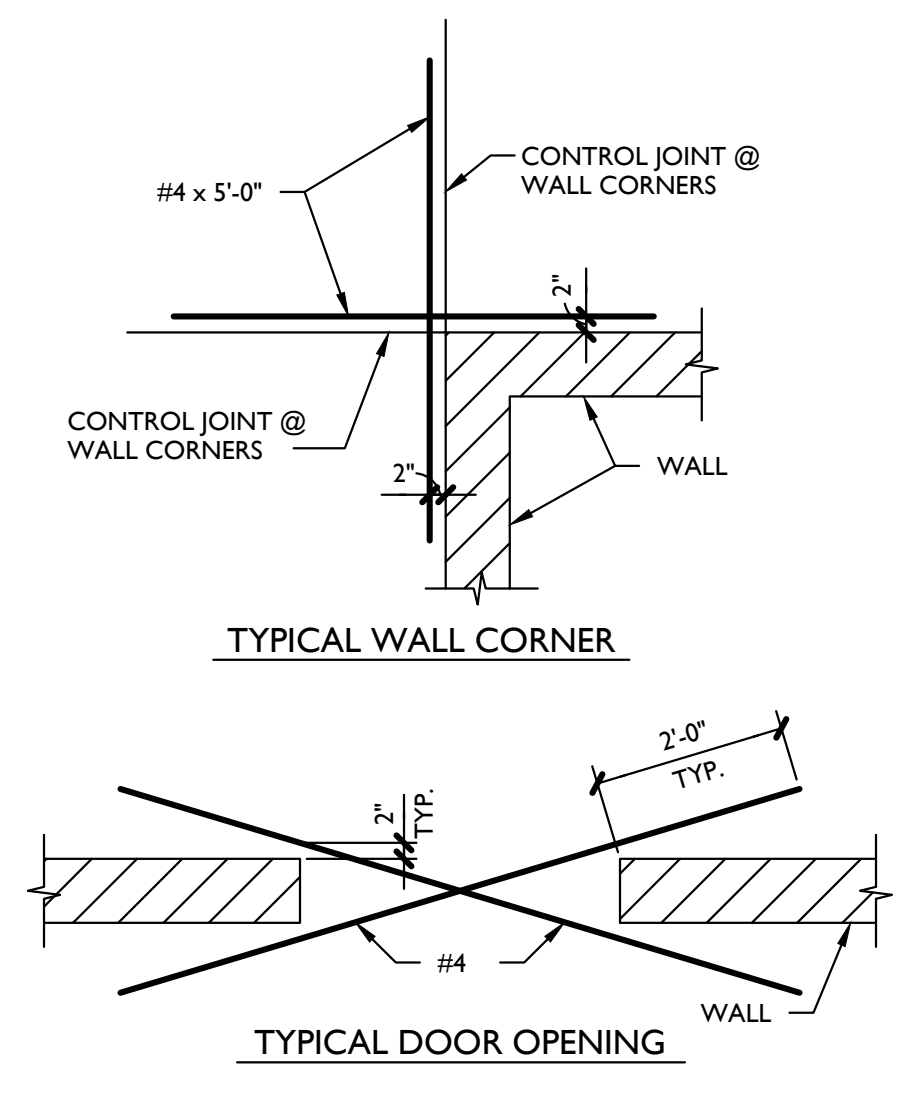
**Typ. Corner Bar Details**  
NO SCALE (1:16P)



**Typ. Slab On Grade Construction Joint Detail**  
NO SCALE (1:16P)

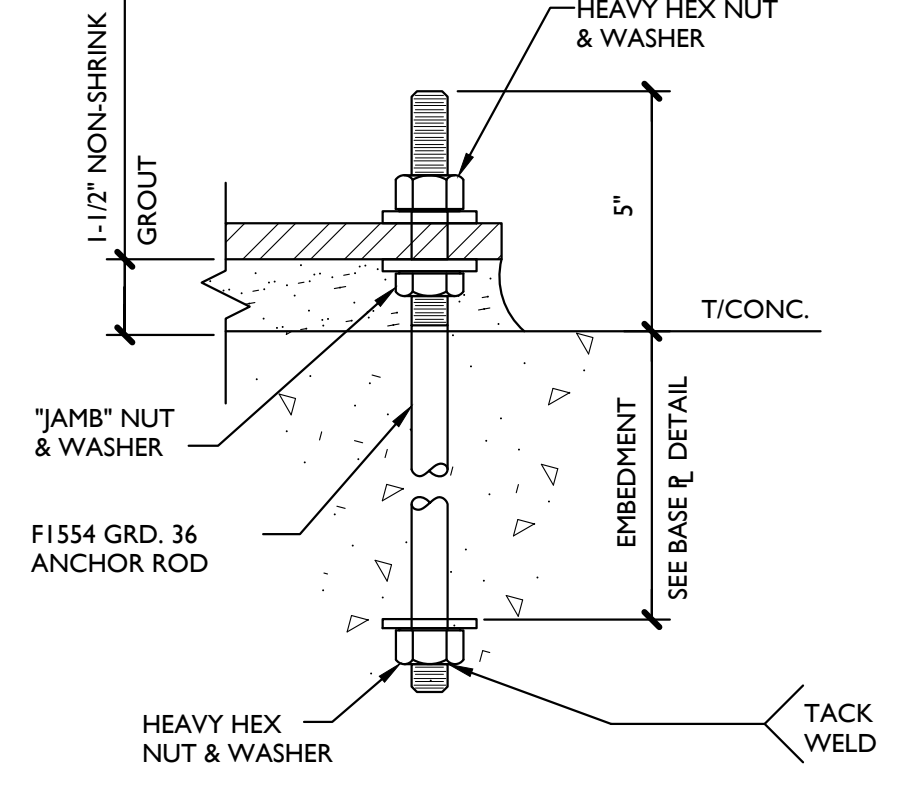


**Typ. Slab On Grade Control Joint Detail**  
NO SCALE (1:16P)

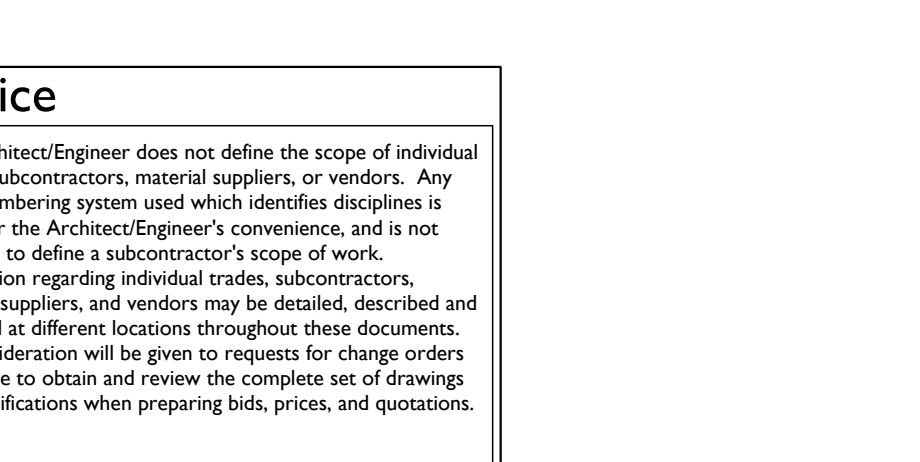


**TYPICAL WALL CORNER**

**TYPICAL DOOR OPENING**

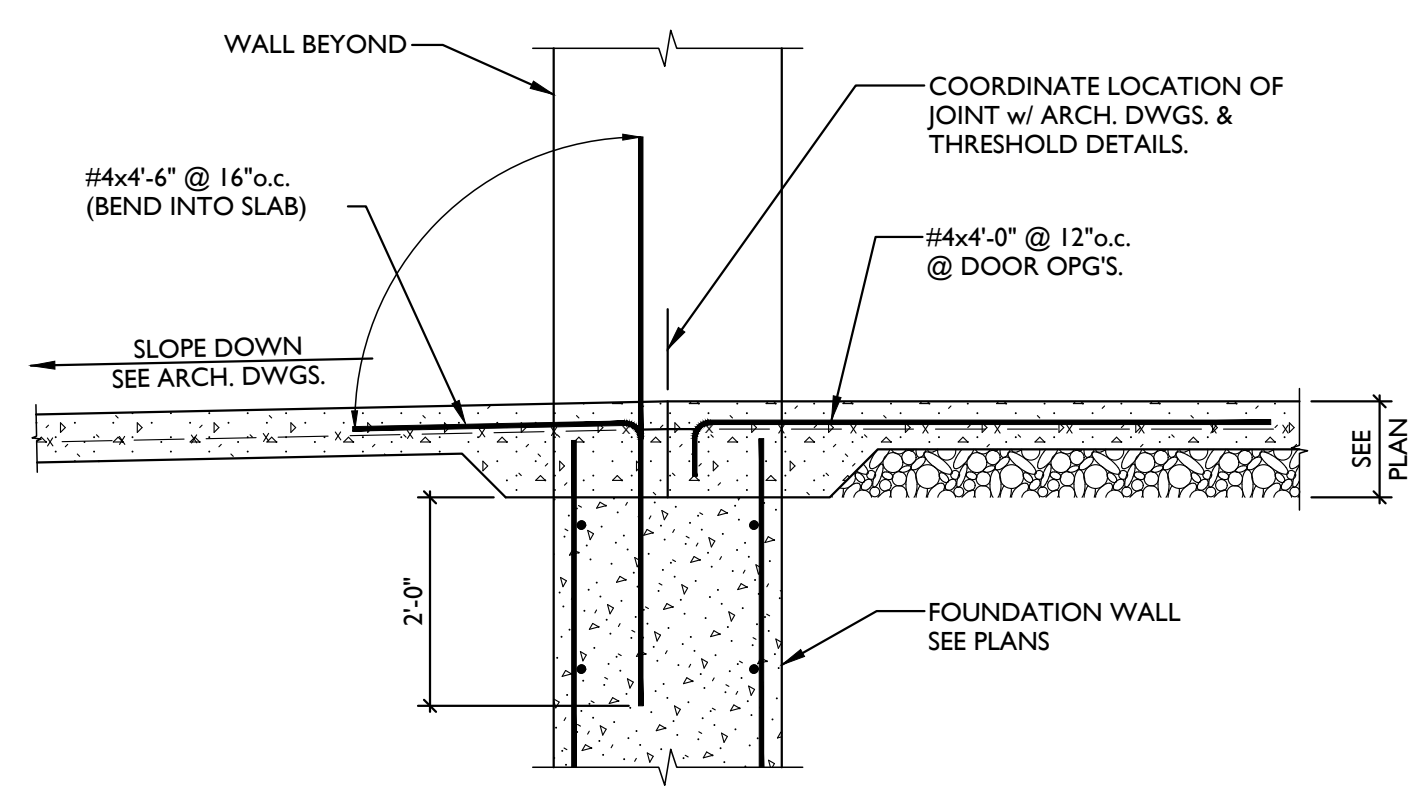


**TYPICAL SLAB REINFORCING DETAILS**

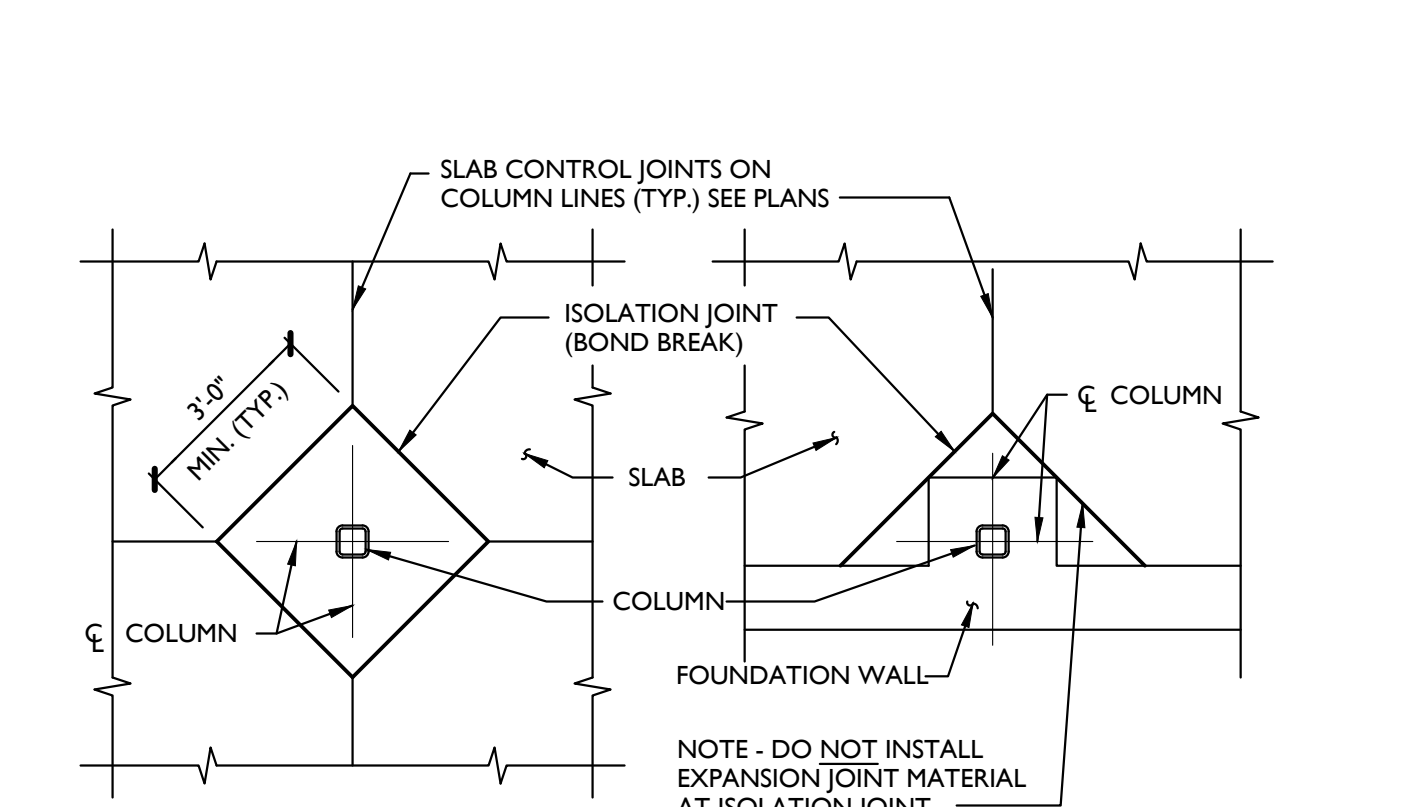


**TYPICAL ANCHOR ROD DETAIL**  
SCALE: 3" = 1'-0" UNLESS NOTED OTHERWISE

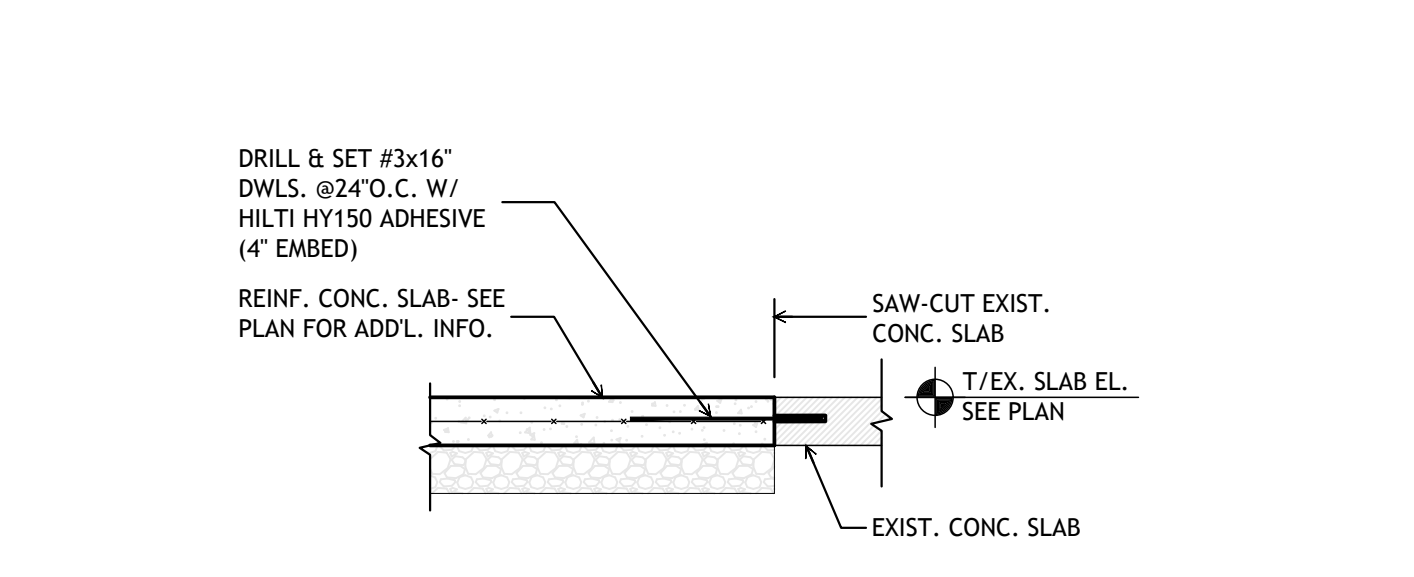
**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



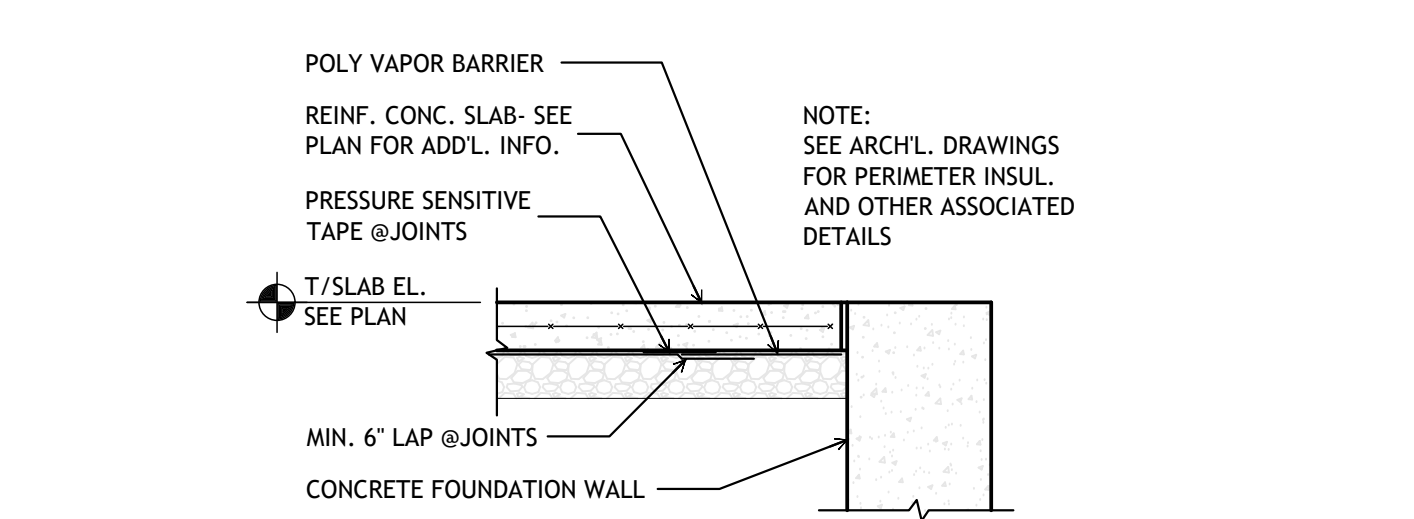
**TYP. SECTION @ THRESHOLD**  
SCALE: N.T.S.



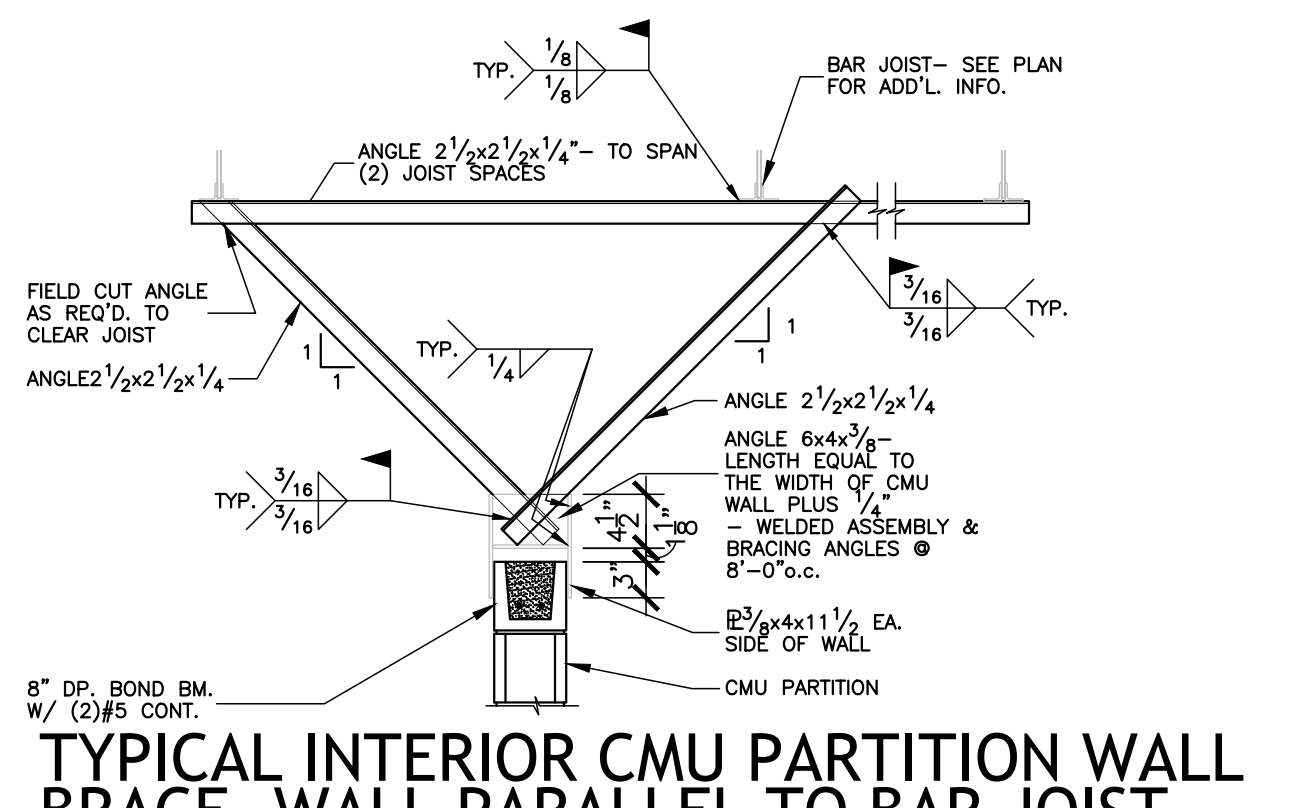
**TYPICAL ISOLATION JOINT IN SLAB ON GRADE AT COLUMN**  
NO SCALE



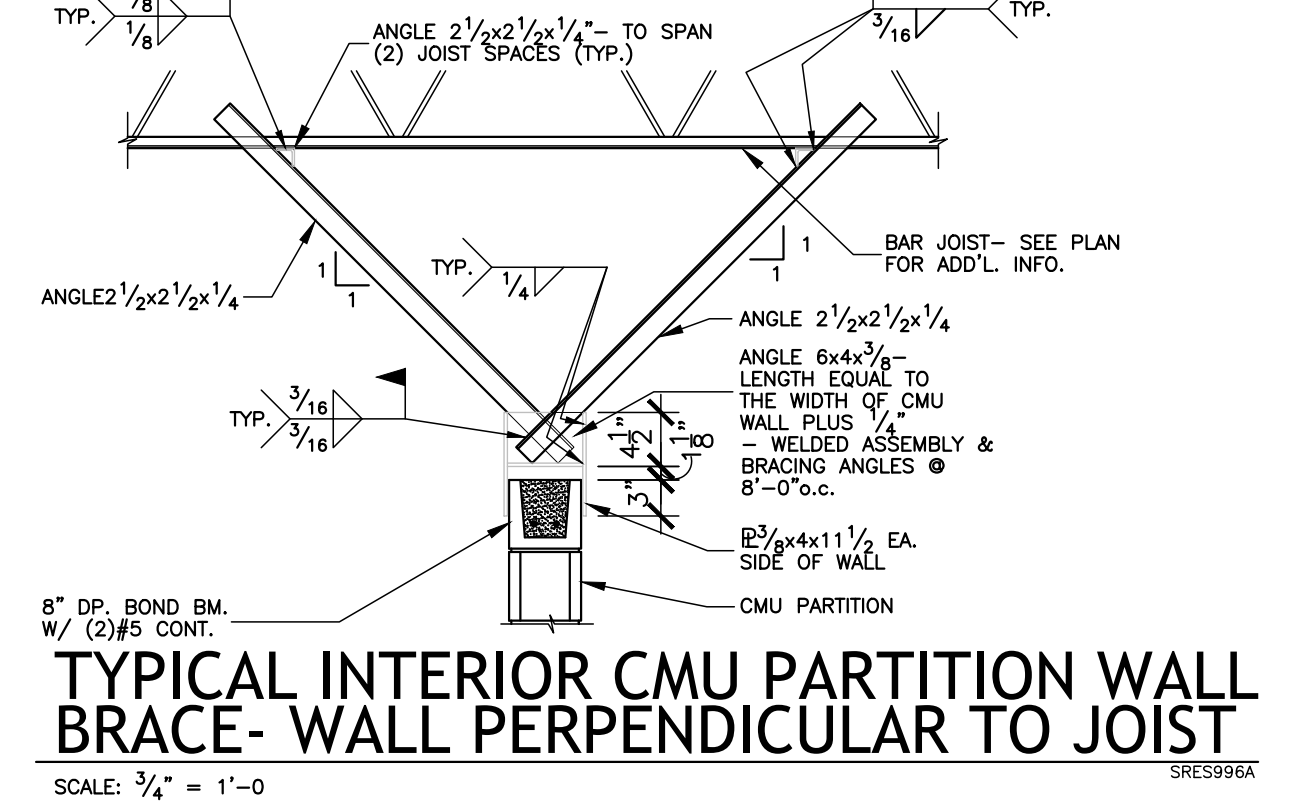
**Typical Section At New/Exist. Conc. Slab**  
SCALE: 3/4" = 1'-0"



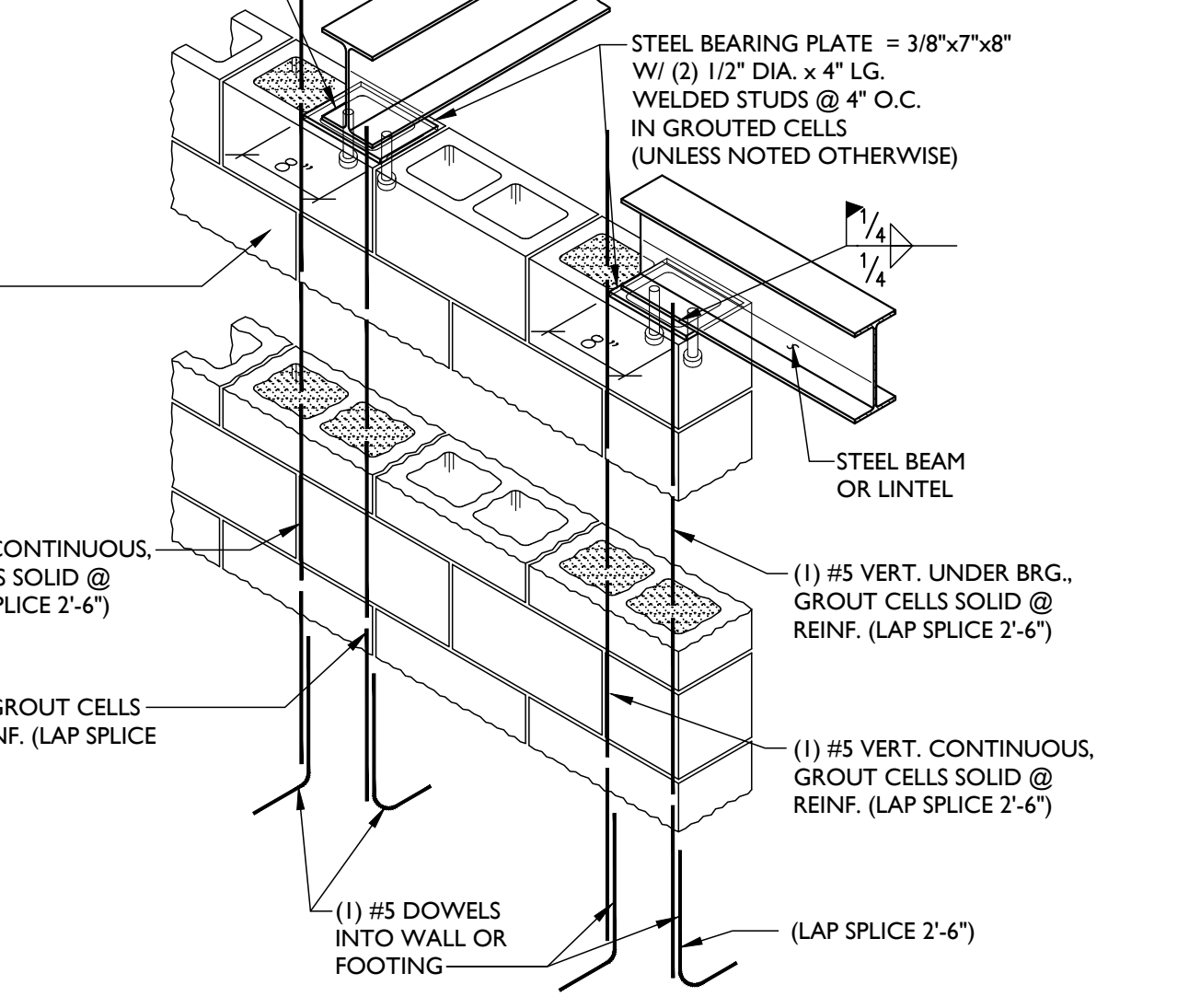
**Typ. Wall/Edge Slab**  
SCALE: 3/4" = 1'-0"



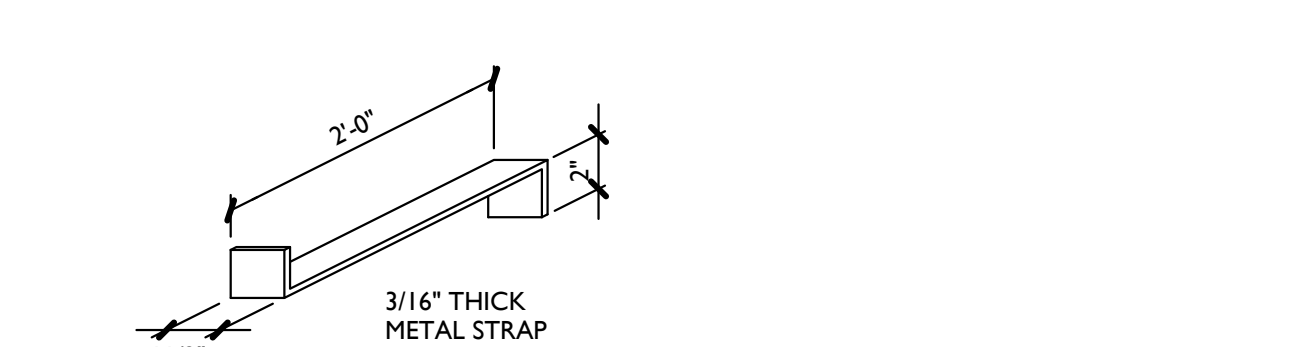
**TYPICAL INTERIOR CMU PARTITION WALL BRACE - WALL PARALLEL TO BAR JOIST**  
SCALE: 3/4" = 1'-0"



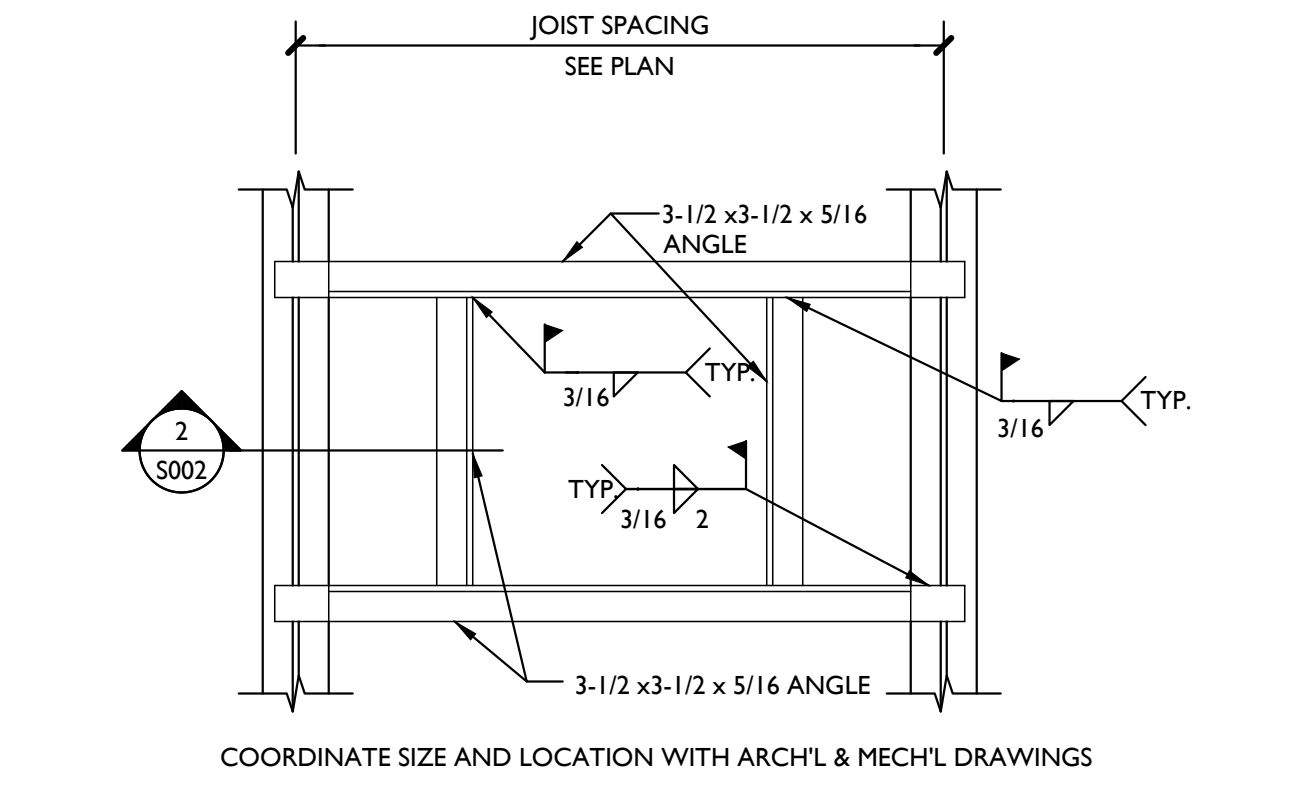
**TYPICAL INTERIOR CMU PARTITION WALL BRACE - WALL PERPENDICULAR TO JOIST**  
SCALE: 3/4" = 1'-0"



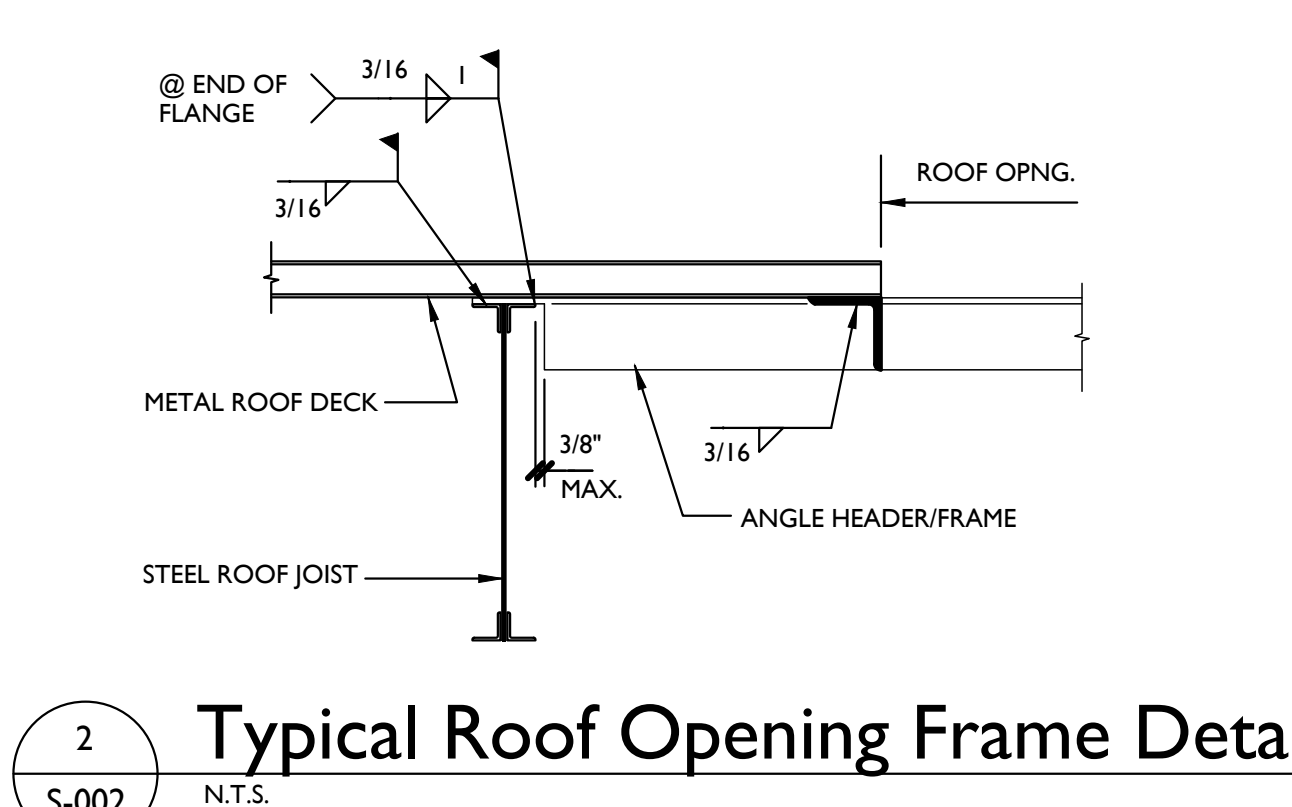
**Typ. Beam Bearing Detail**  
SCALE: 3/4" = 1'-0"



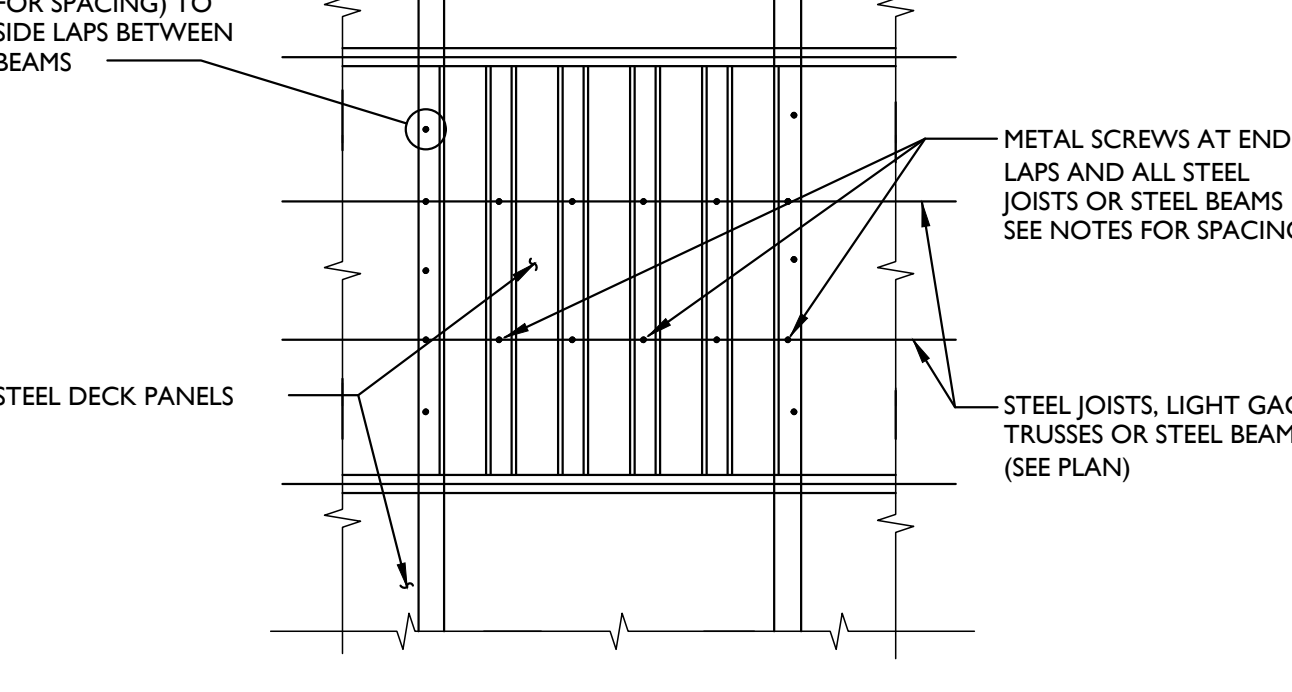
**METAL STRAP DETAIL @ INTERSECTING CMU WALLS**  
NOT TO SCALE



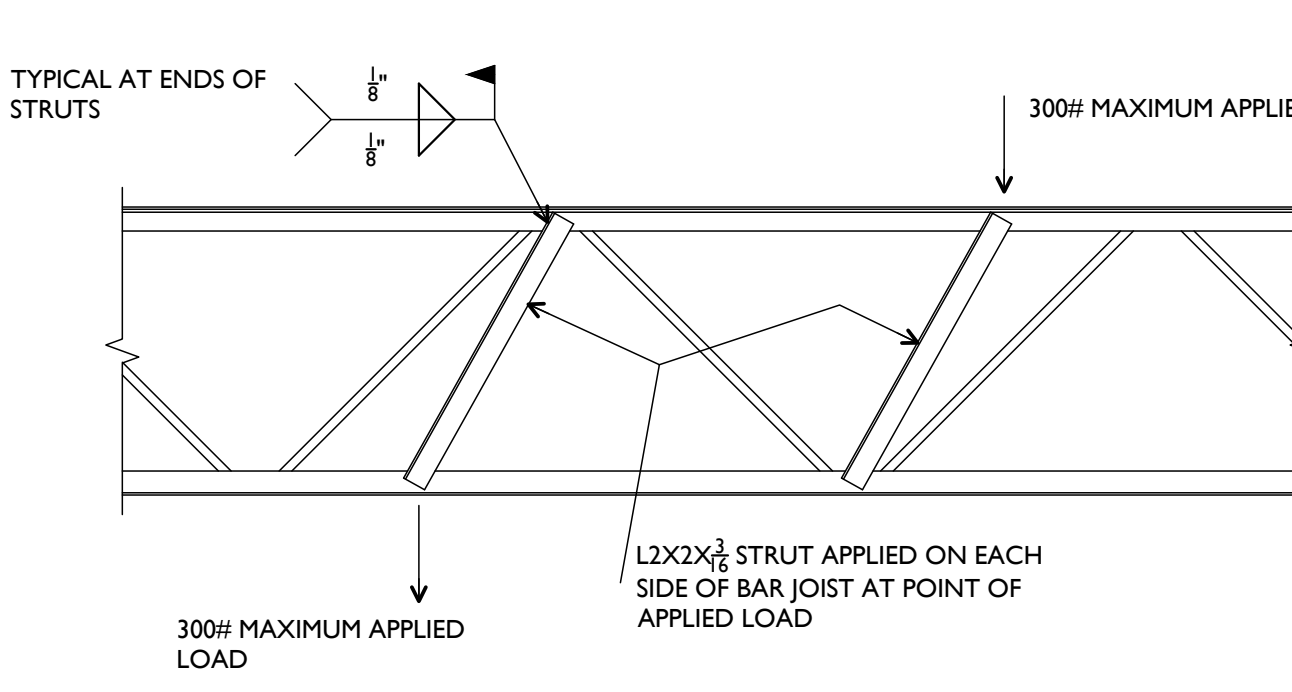
**Typical Roof Opening Frame**  
SCALE: N.T.S.



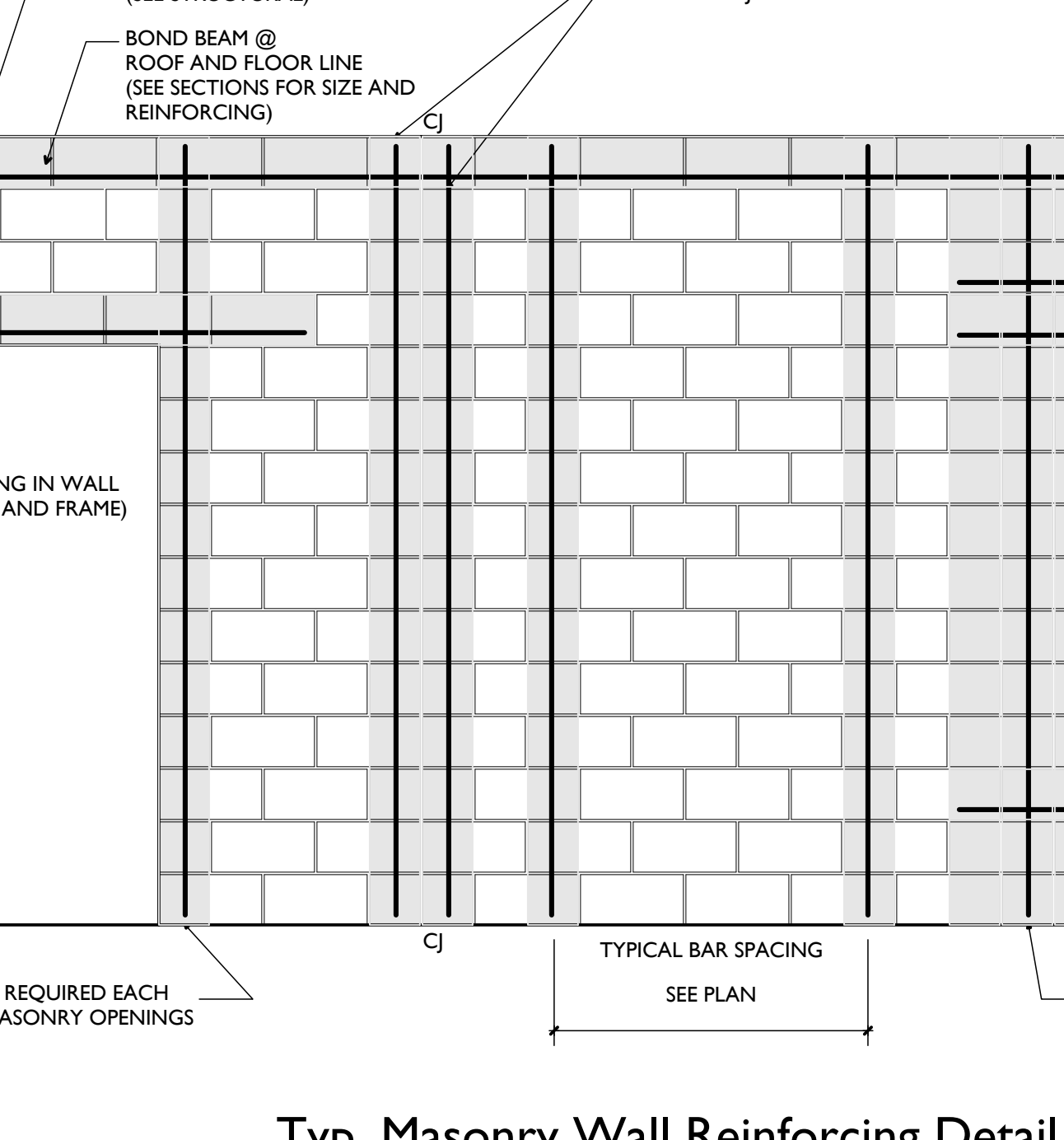
**Typical Roof Opening Frame Detail**  
SCALE: N.T.S.



**TYPICAL FASTENING PATTERN FOR STEEL DECK PANELS**



**Typical Joist Strut at Applied Load**  
SCALE: 3/4" = 1'-0"



**Typ. Masonry Wall Reinforcing Detail**  
SCALE: 1/2" = 1'-0"

**REINFORCEMENT LAP SPlice LENGTH (GRADE 60 REINFORCEMENT)**

THE FOLLOWING LAP SPlice SHALL BE PROVIDED FOR REINFORCEMENT; UNLESS NOTED OTHERWISE

	4000 PSI CONCRETE		MASONRY
	TOP BARS	OTHERS	
#3	24"	19"	18"
#4	32"	25"	24"
#5	40"	31"	30"
#6	48"	37"	36"
#7	70"	54"	42"
#8	80"	62"	48"
#9	91"	70"	55"
#10	102"	79"	--
#11	113"	87"	--

(TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 IN. OF CONCRETE CAST BELOW THE BARS)

NOTE: ALL WELDED WIRE FABRIC LAP SPlices SHALL BE ONE SPACE PLUS 2" (i.e. WVF6 6x6 = 8' SPlice)

**CONCRETE PROTECTION FOR REINFORCEMENT IN CAST-IN-PLACE CONCRETE**

THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT; UNLESS NOTED OTHERWISE

COVER	INCHES
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
CONCRETE EXPOSED TO EARTH OR WEATHER	2
#5 BAR, W31 OR D31 WIRE AND SMALLER	1-1/2
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
SLABS, WALLS, JOIST:	
#14 AND #18 BARS	1-1/2
#11 BAR AND SMALLER	3/4
BEAMS AND COLUMNS:	
PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1-1/2

**MISCELLANEOUS LINTEL (ML) SCHEDULE**  
(FOR LINTELS NOT OTHERWISE SHOWN OR NOTED)

BLOCK LINTELS - 8" BEARING EACH END

3'-0" SPAN AND LESS: 8" DEEP BOND BEAM WITH (2) #5 BARS AT BOTTOM

3'-1" SPAN TO 7'-0" SPAN: 16" DEEP BOND BEAM WITH (2) #5 BARS TOP & BOTTOM

7'-1" SPAN TO 11'-0" SPAN: 16" DEEP BOND BEAM WITH (2) #6 BARS TOP & BOTTOM

STEEL LINTELS

PROVIDE ONE ANGLE FOR EVERY FOUR INCHES OF WALL THICKNESS

8" WALL = 2 ANGLES

12" WALL = 3 ANGLES

16" WALL = 4 ANGLES

4'-0" WIDE AND LESS USE ANGLE: 4 x 3-1/2 x 5/16 8" BEARING EACH END

4'-1" WIDE TO 6'-0" USE ANGLE: 5 x 3-1/2 x 5/16 8" BEARING EACH END

6'-1" WIDE TO 9'-0" USE ANGLE: 6 x 3-1/2 x 5/16 8" BEARING EACH END

9'-1" WIDE TO 11'-0" USE ANGLE: 6 x 3-1/2 x 3/8 12" BEARING EACH END

PROVIDE STAINLESS OR GALVANIZED STEEL WHERE LINTELS ARE EXPOSED TO WEATHER, COORDINATE WITH ARCHITECTURAL DRAWINGS AND DETAILS

**LEGEND & ABBREVIATIONS**

TYP = TYPICAL

E.W. = EACH WAY

S.W. = SHORT WAY

L.W. = LONG WAY

N.S. = NEAR SIDE

F.S. = FAR SIDE

O.C. = ON CENTER

CMU = CONCRETE MASONRY UNIT

T/ = TOP OF

CLR = CLEAR

U.N.O. = UNLESS NOTED OTHERWISE

T&G = TONGUE AND GROOVE

P.T. = PRESSURE TREATED

HKB = HILTI KWIK BOLT 3

CEA = CONCRETE EXPANSION ANCHOR

LVL = LAMINATED VENEER LUMBER

PSL = PARALLEL STRAND LUMBER

GT = GIRDER TRUSS

EA = EACH

W/ = WITH

CLR COV = CLEAR COVER

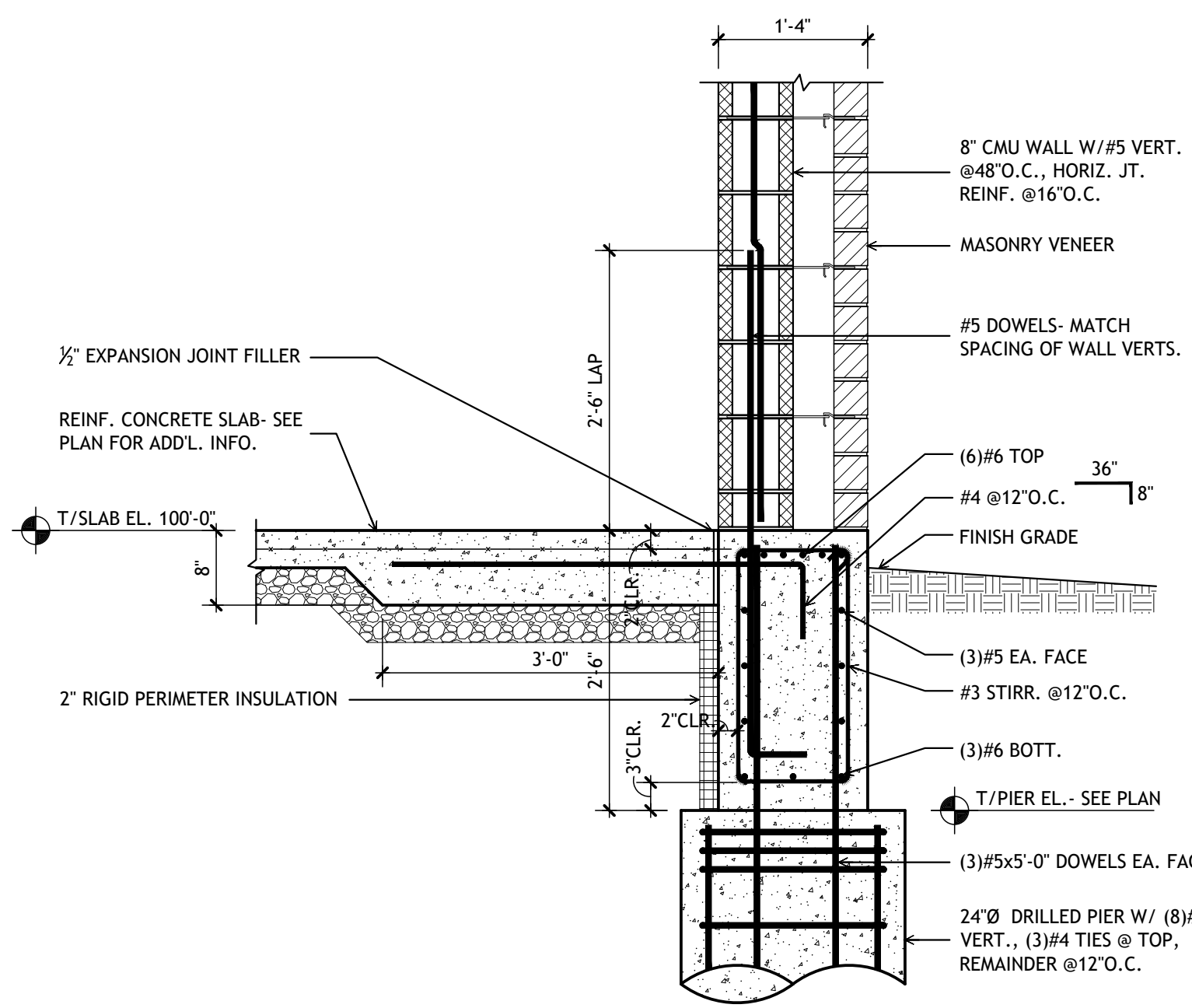
HT = HEADER TRUSS

CFS = COLD FORMED STEEL

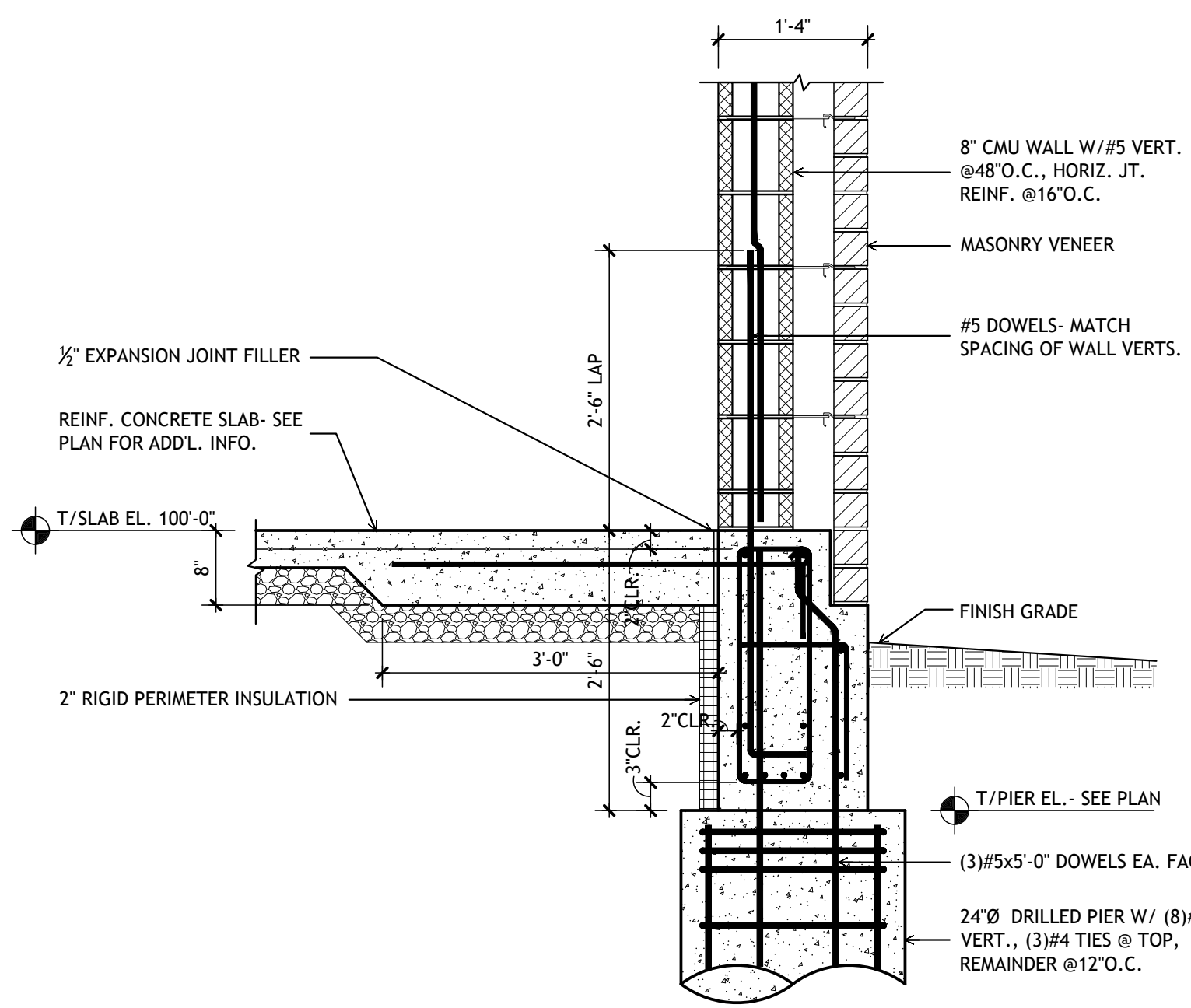
T/B = TOP OF BEAM

GL = GLULAM

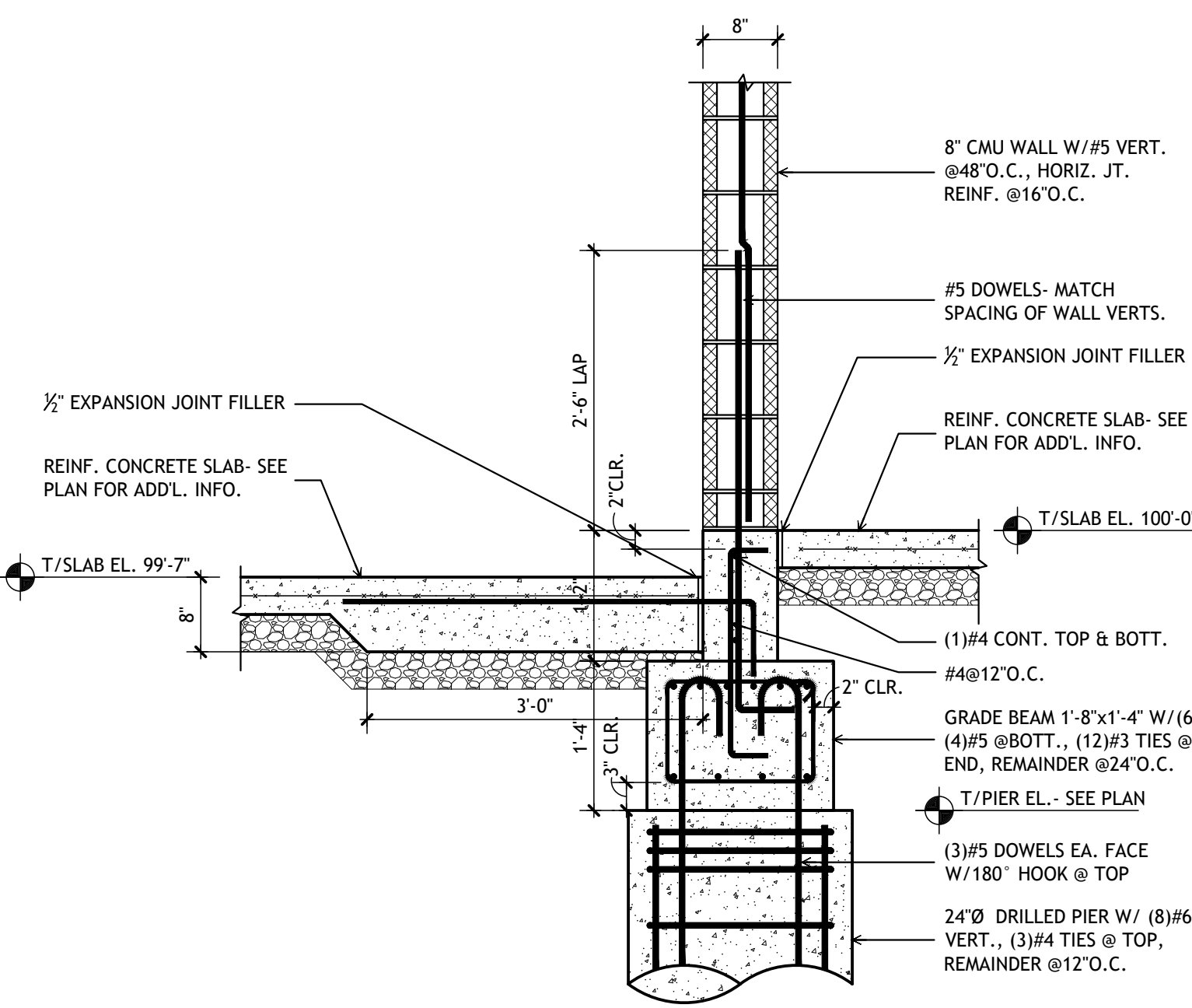




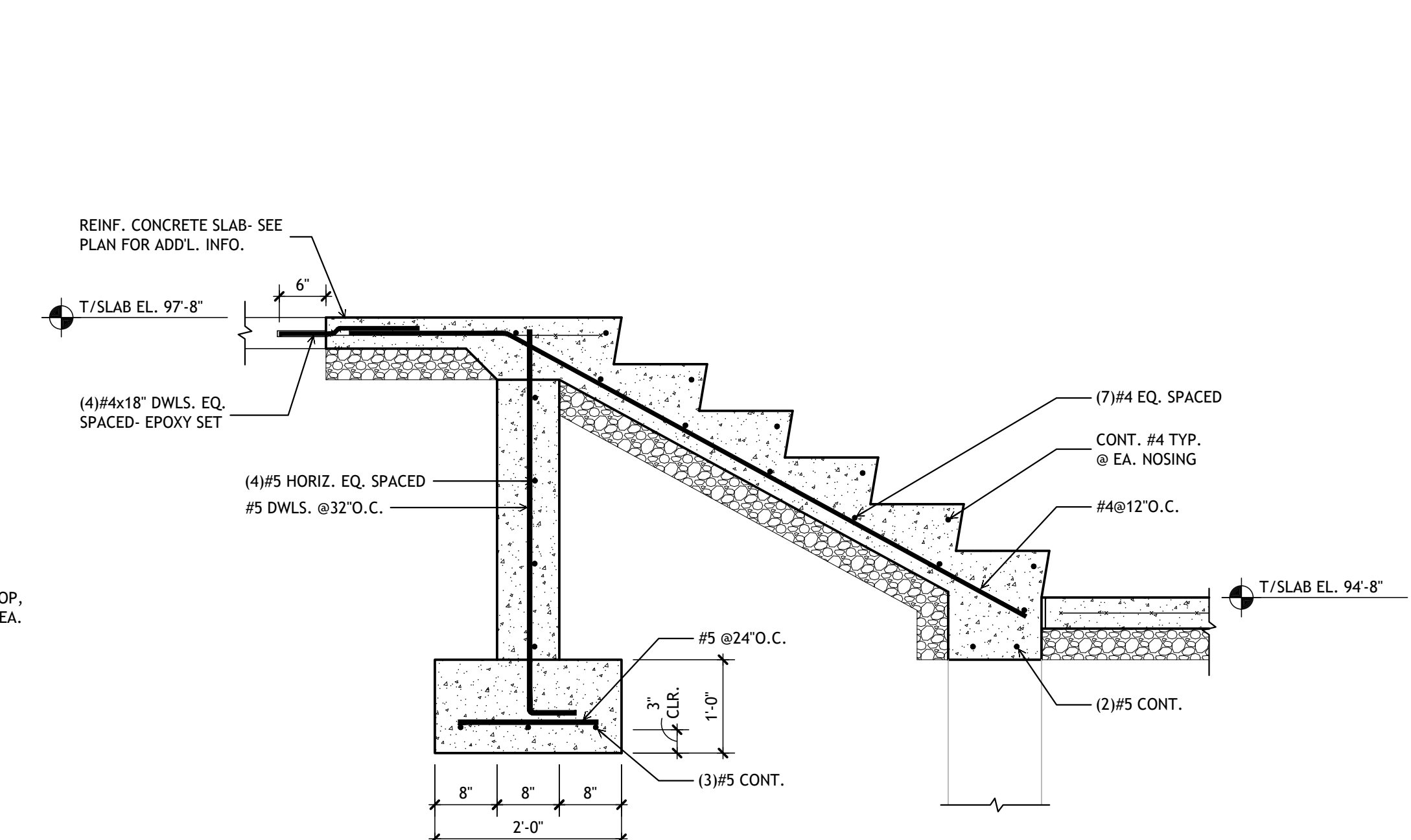
1 SECTION  
full size plot scale: 3/4"=1'-0"



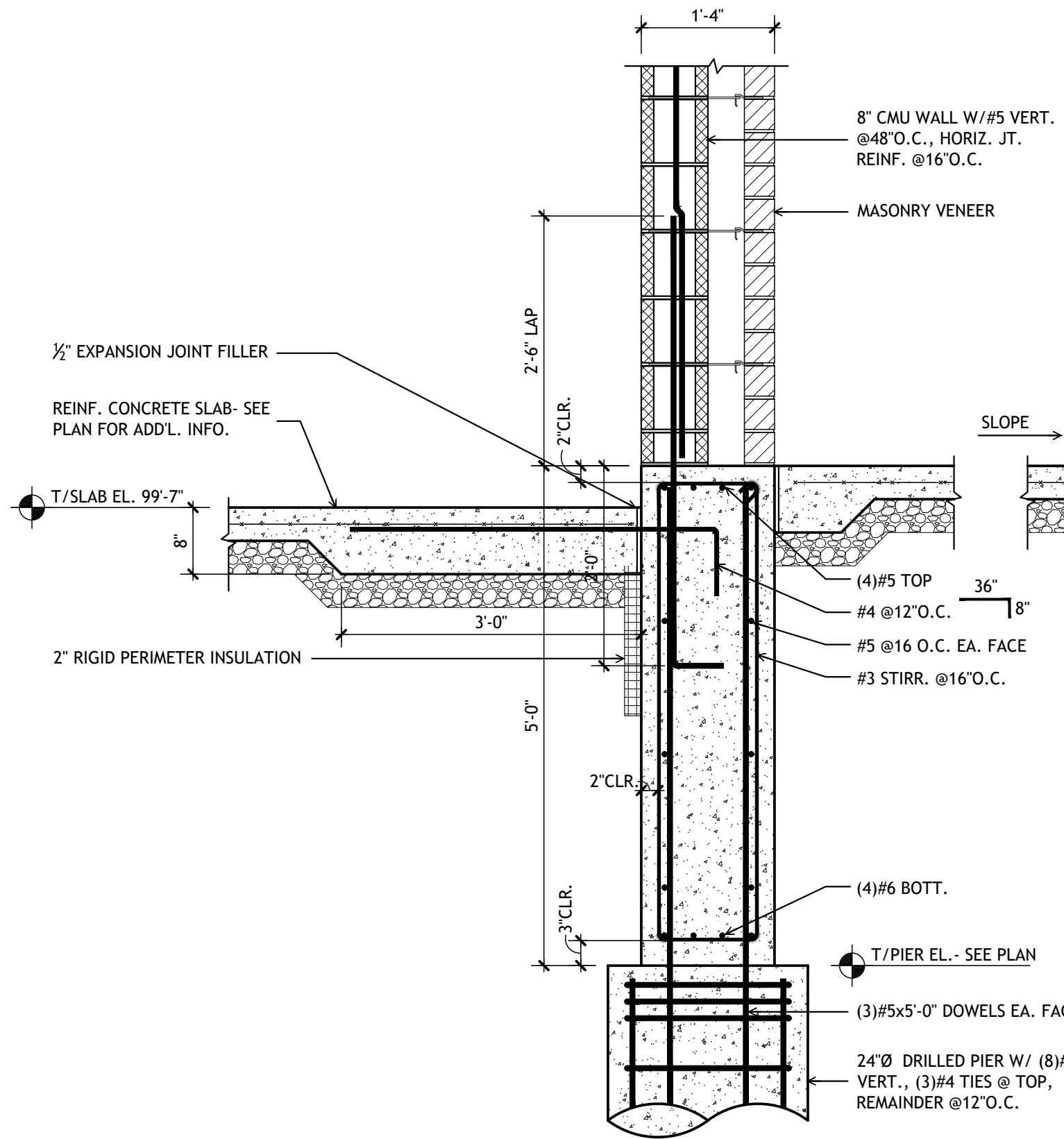
2 SECTION  
full size plot scale: 3/4"=1'-0"



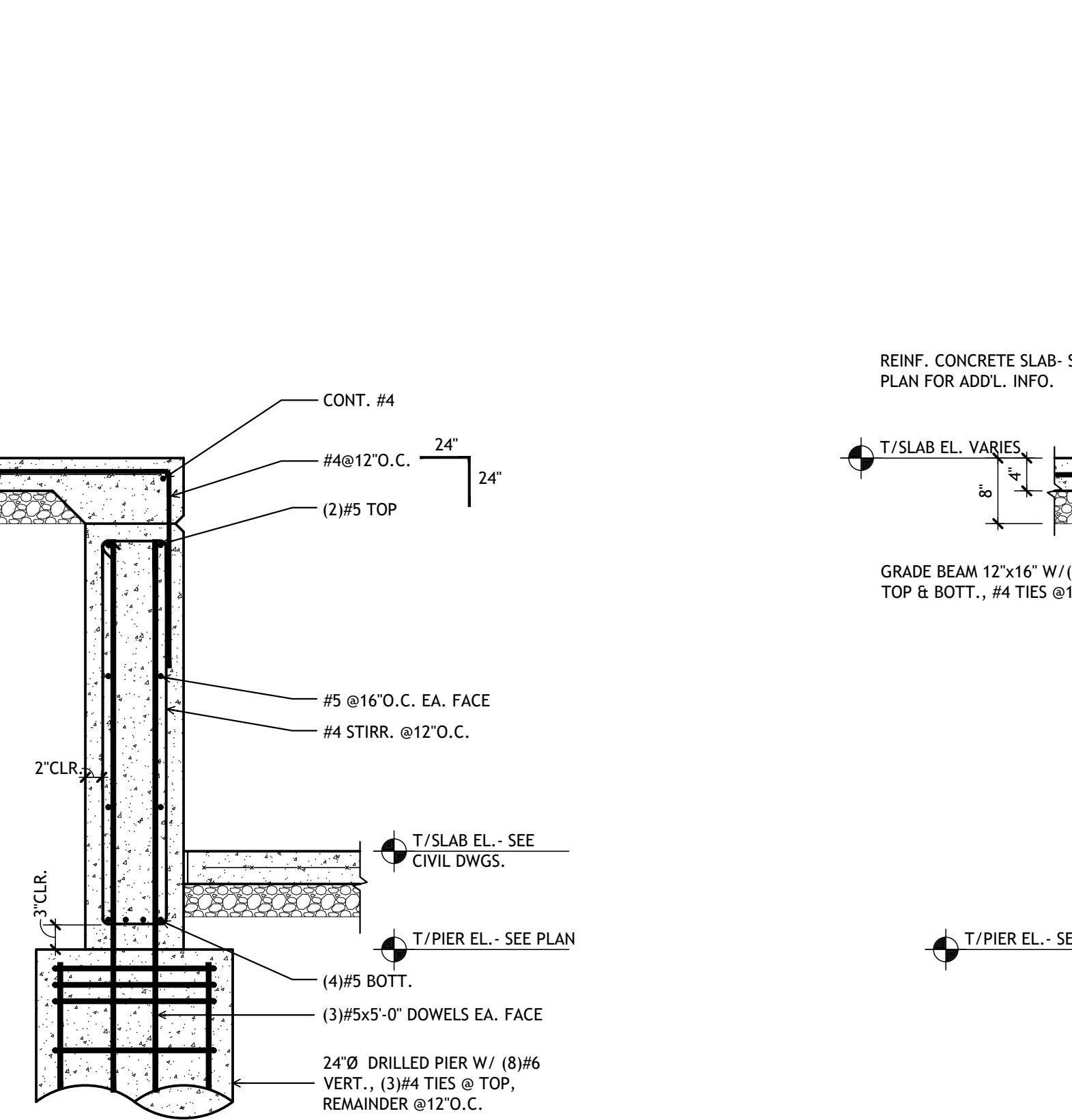
3 SECTION  
full size plot scale: 3/4"=1'-0"



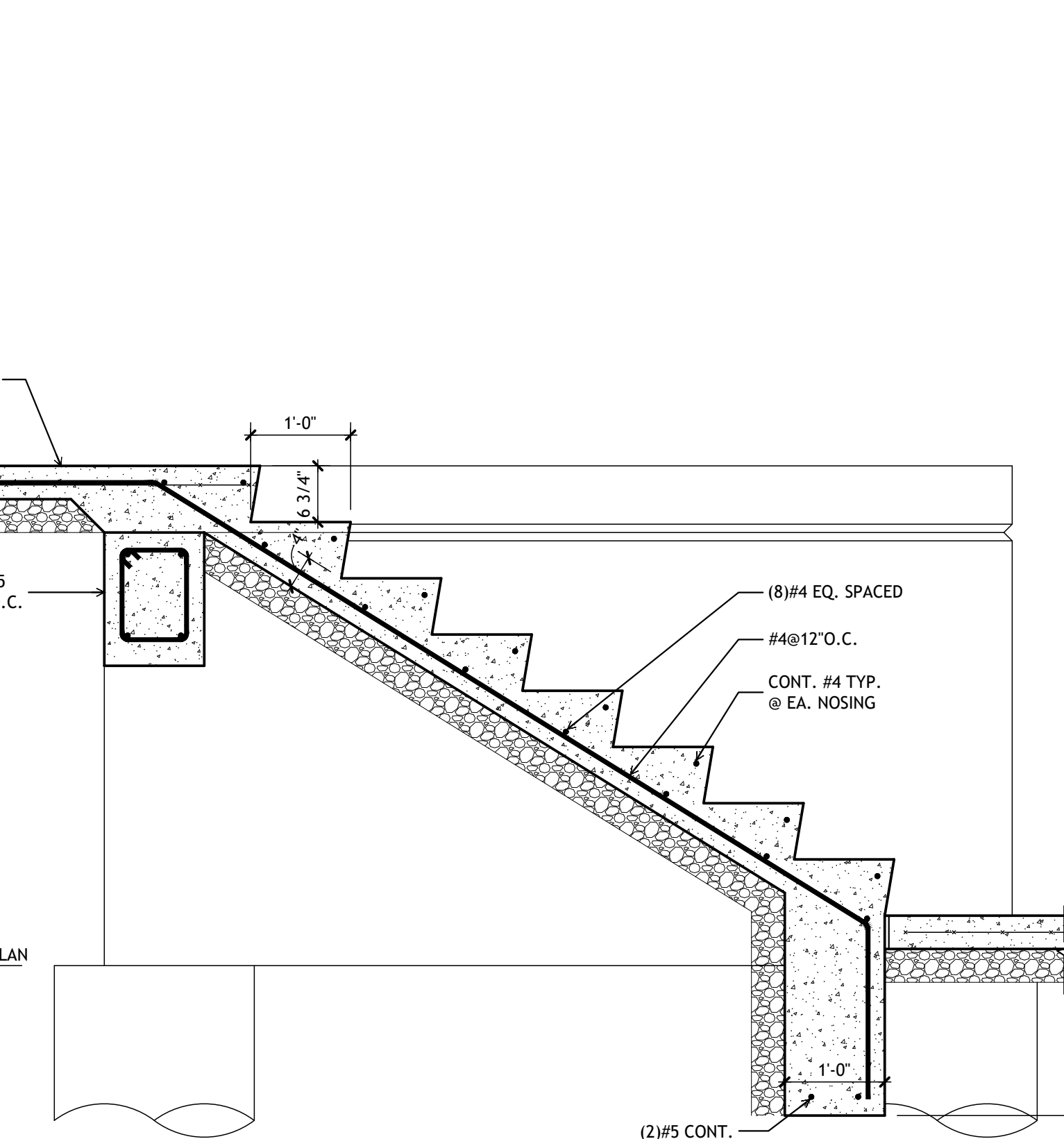
4 SECTION  
full size plot scale: 3/4"=1'-0"



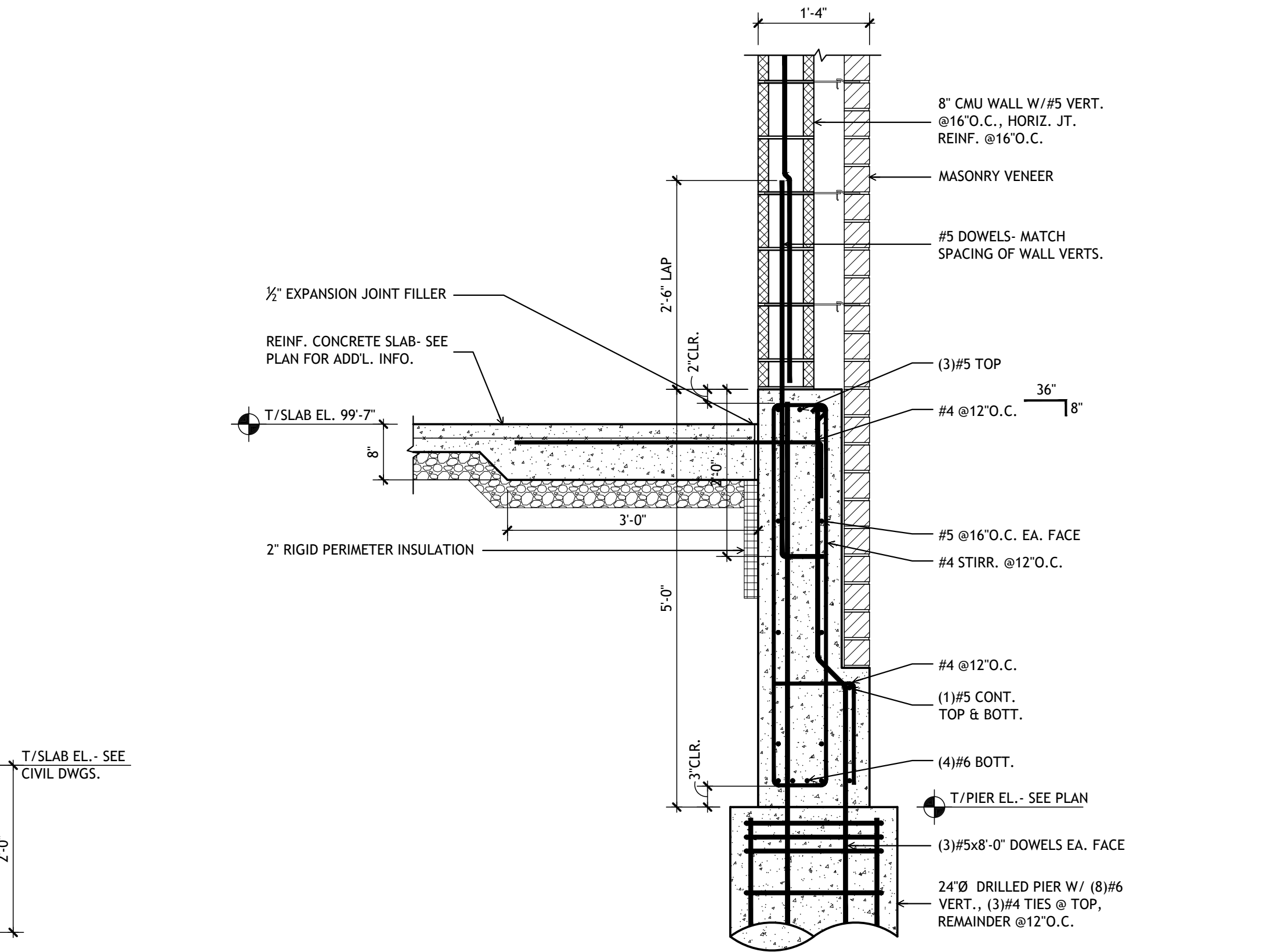
5 SECTION  
full size plot scale: 3/4"=1'-0"



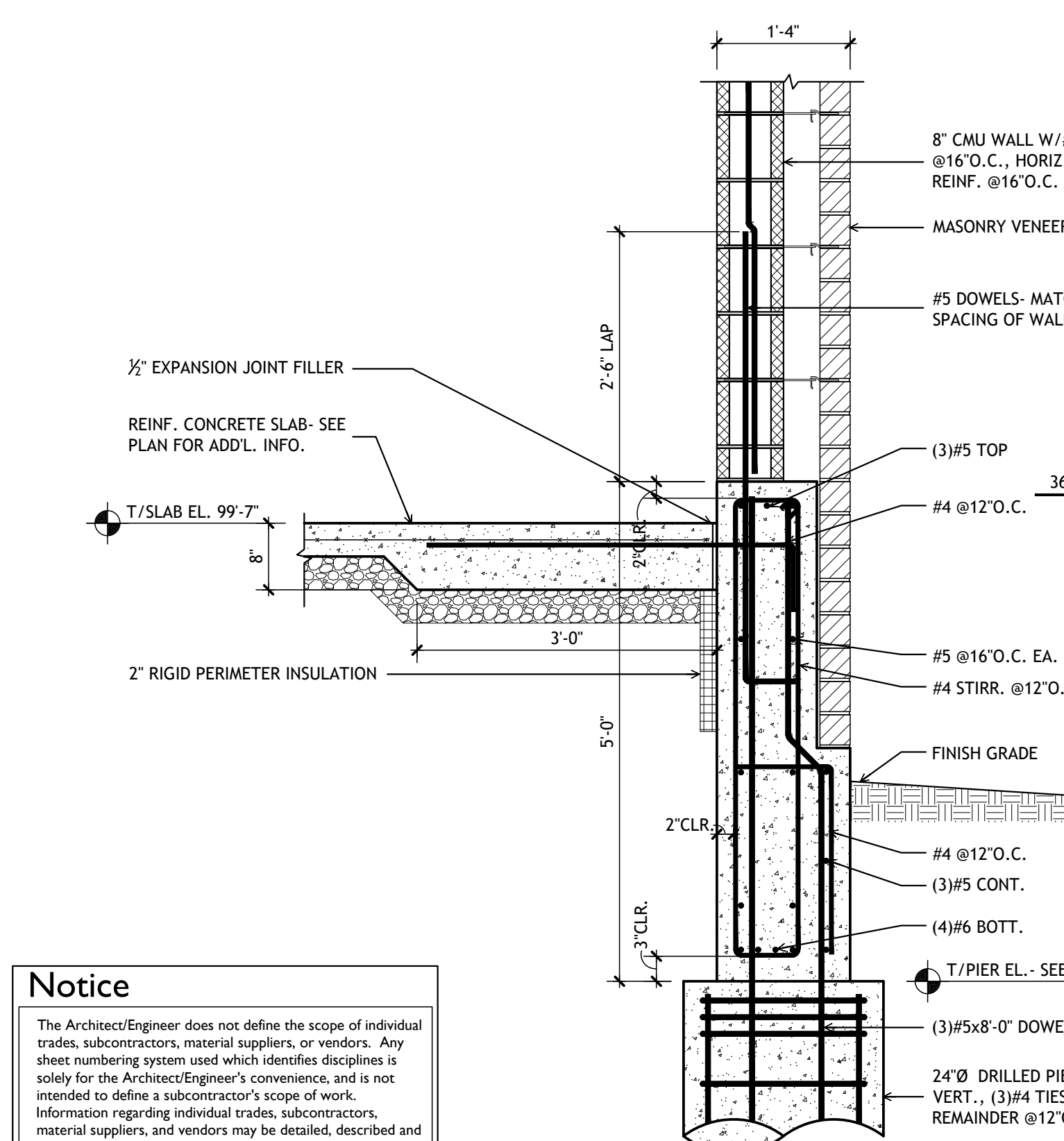
6 SECTION  
full size plot scale: 3/4"=1'-0"



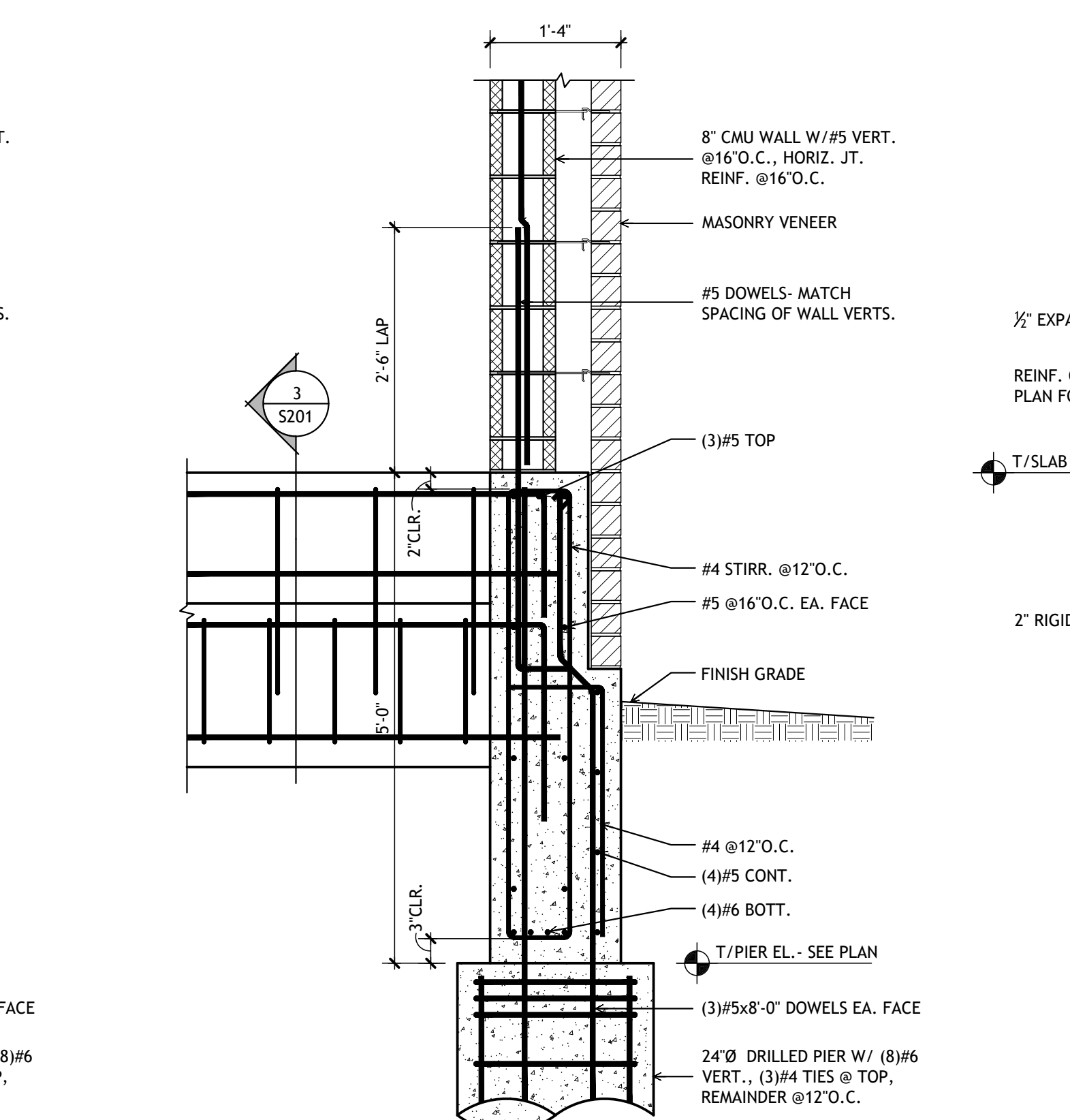
7 SECTION  
full size plot scale: 3/4"=1'-0"



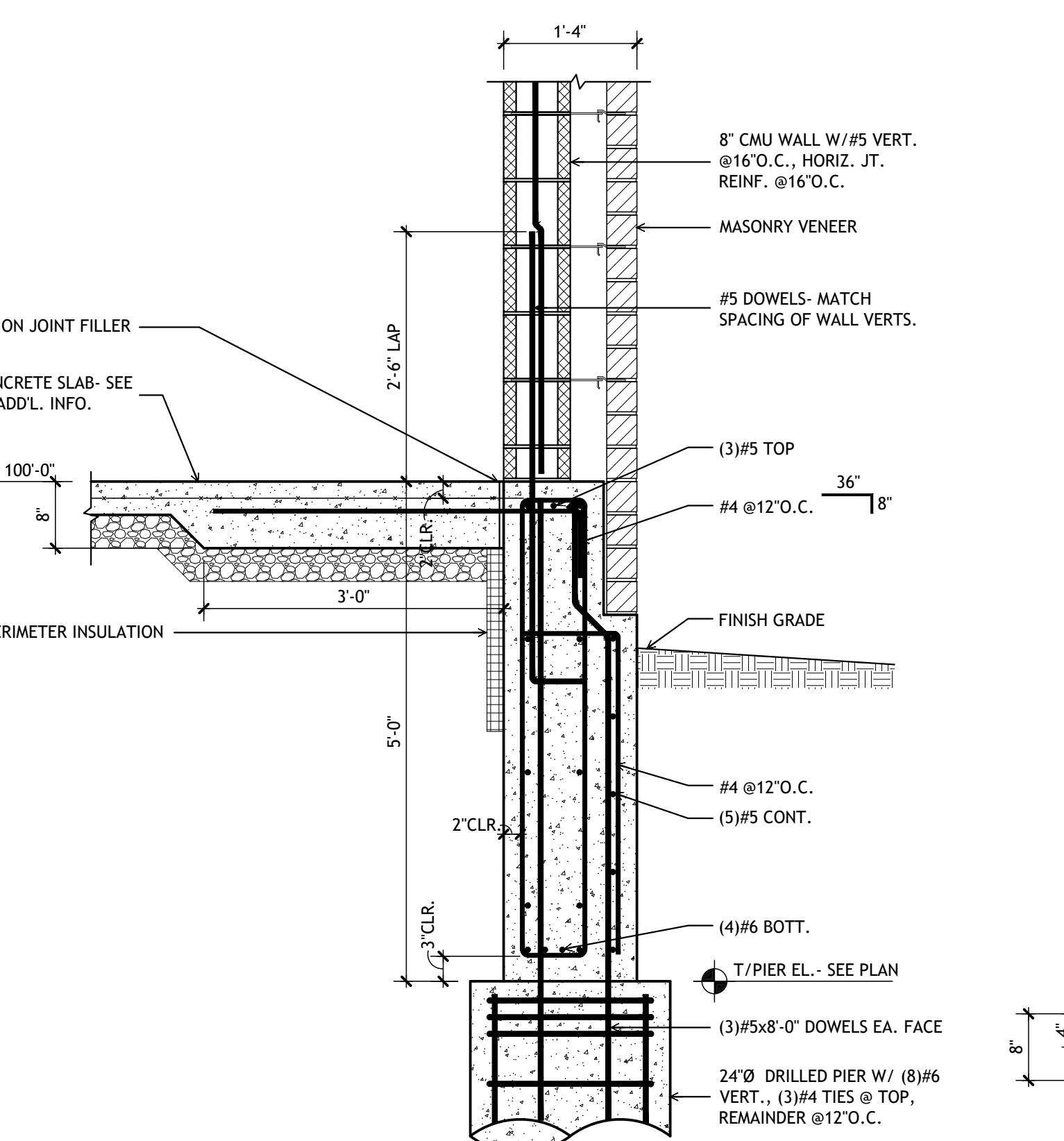
8 SECTION  
full size plot scale: 3/4"=1'-0"



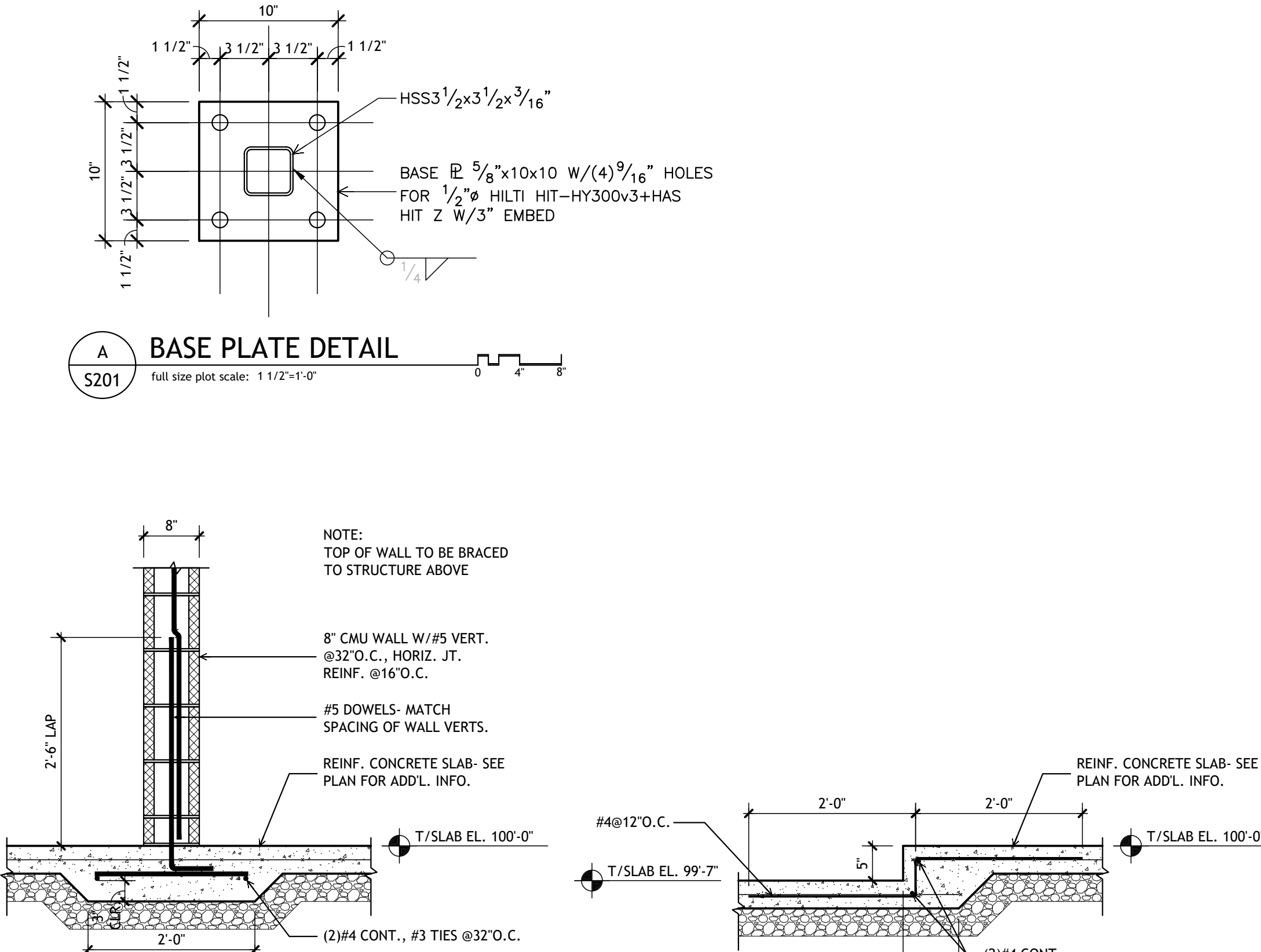
9 SECTION  
full size plot scale: 3/4"=1'-0"



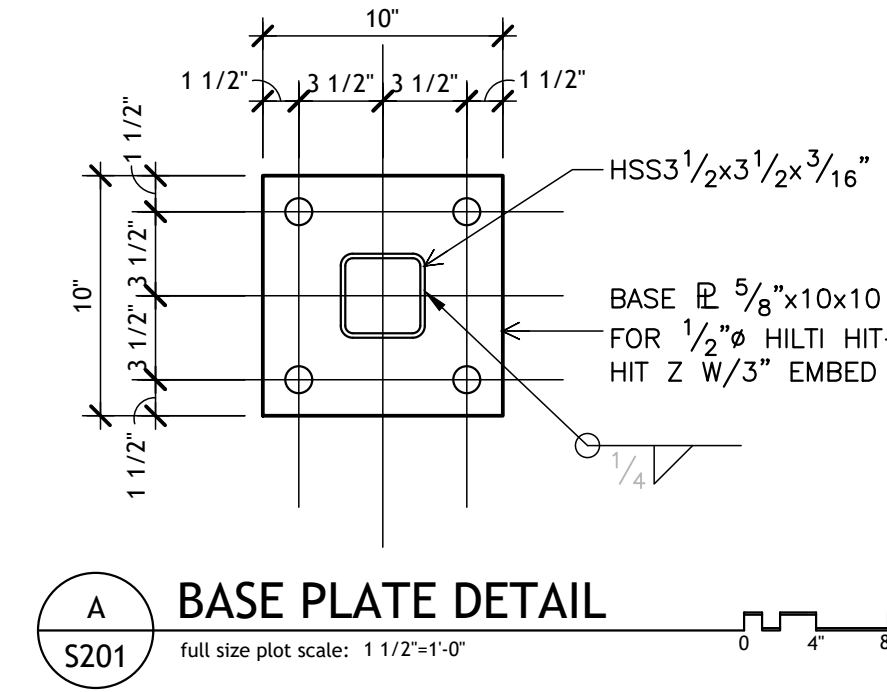
10 SECTION  
full size plot scale: 3/4"=1'-0"



11 SECTION  
full size plot scale: 3/4"=1'-0"

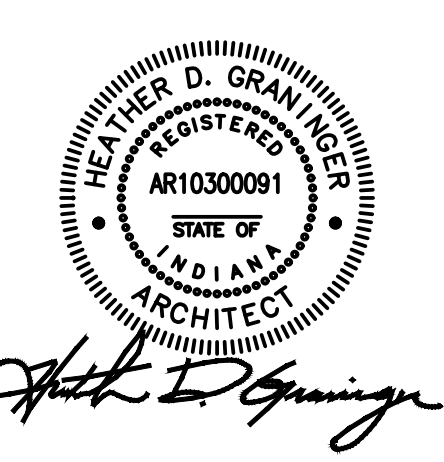


12 SECTION  
full size plot scale: 3/4"=1'-0"



A BASE PLATE DETAIL  
full size plot scale: 1 1/2"=1'-0"

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and questions.



ISSUED FOR: Public Bidding DATE: 04-03-2024

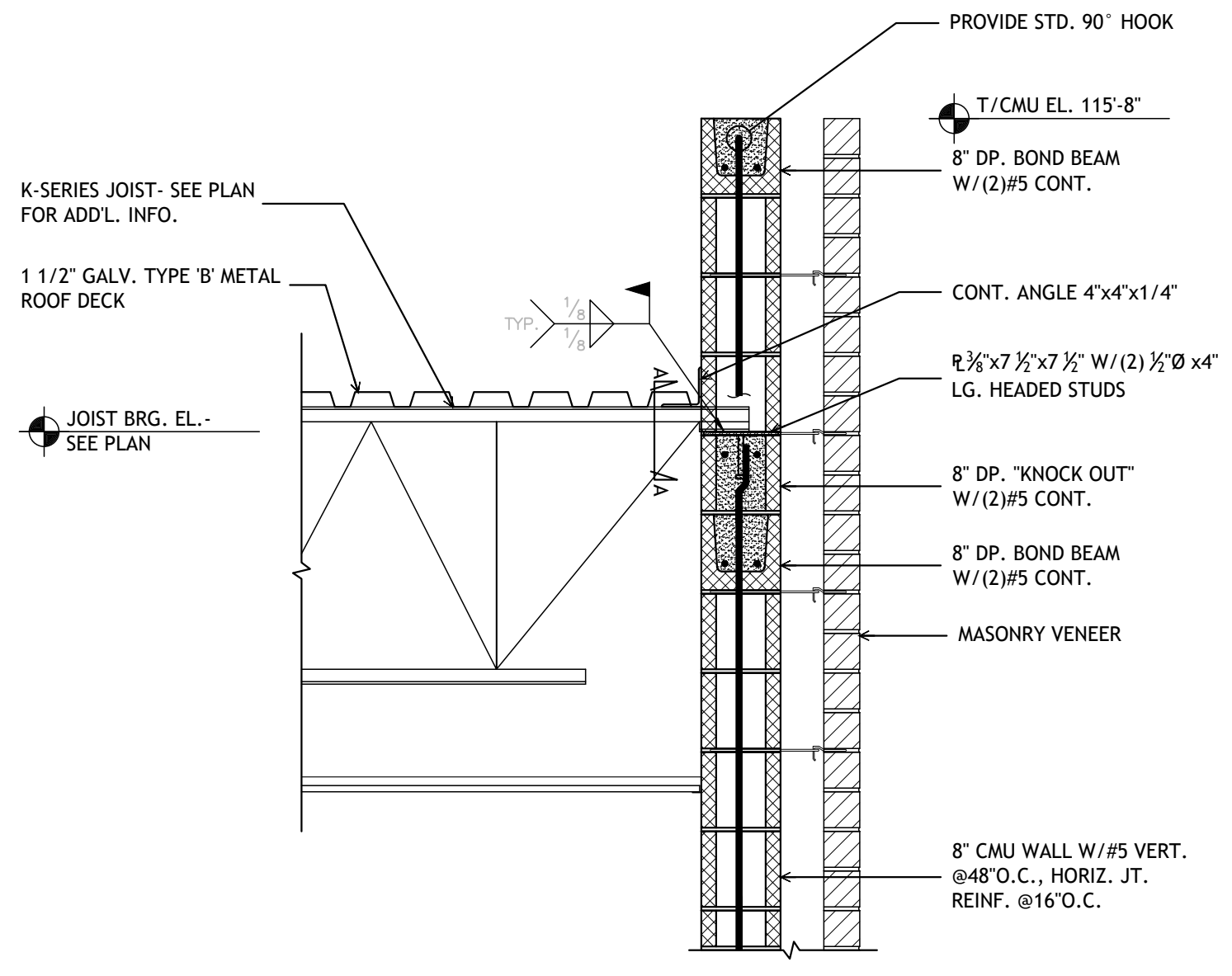
PROJECT TITLE: NORTH HARRISON ELEMENTARY SCHOOL  
2024 ADDITION AND RENOVATIONS

OWNER: NORTH HARRISON COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

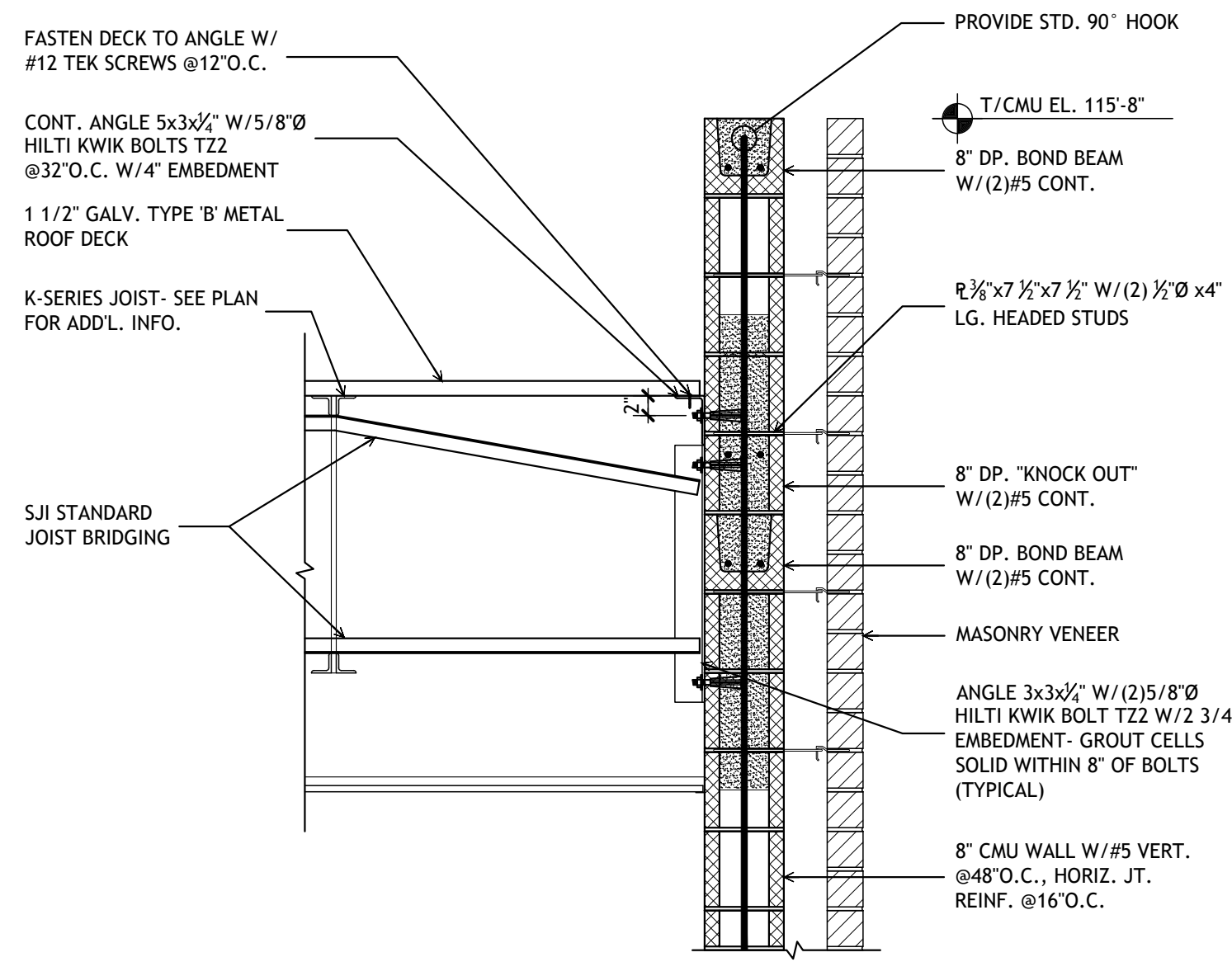
SHEET TITLE: FOUNDATION SECTIONS

DATE: APRIL 3, 2024

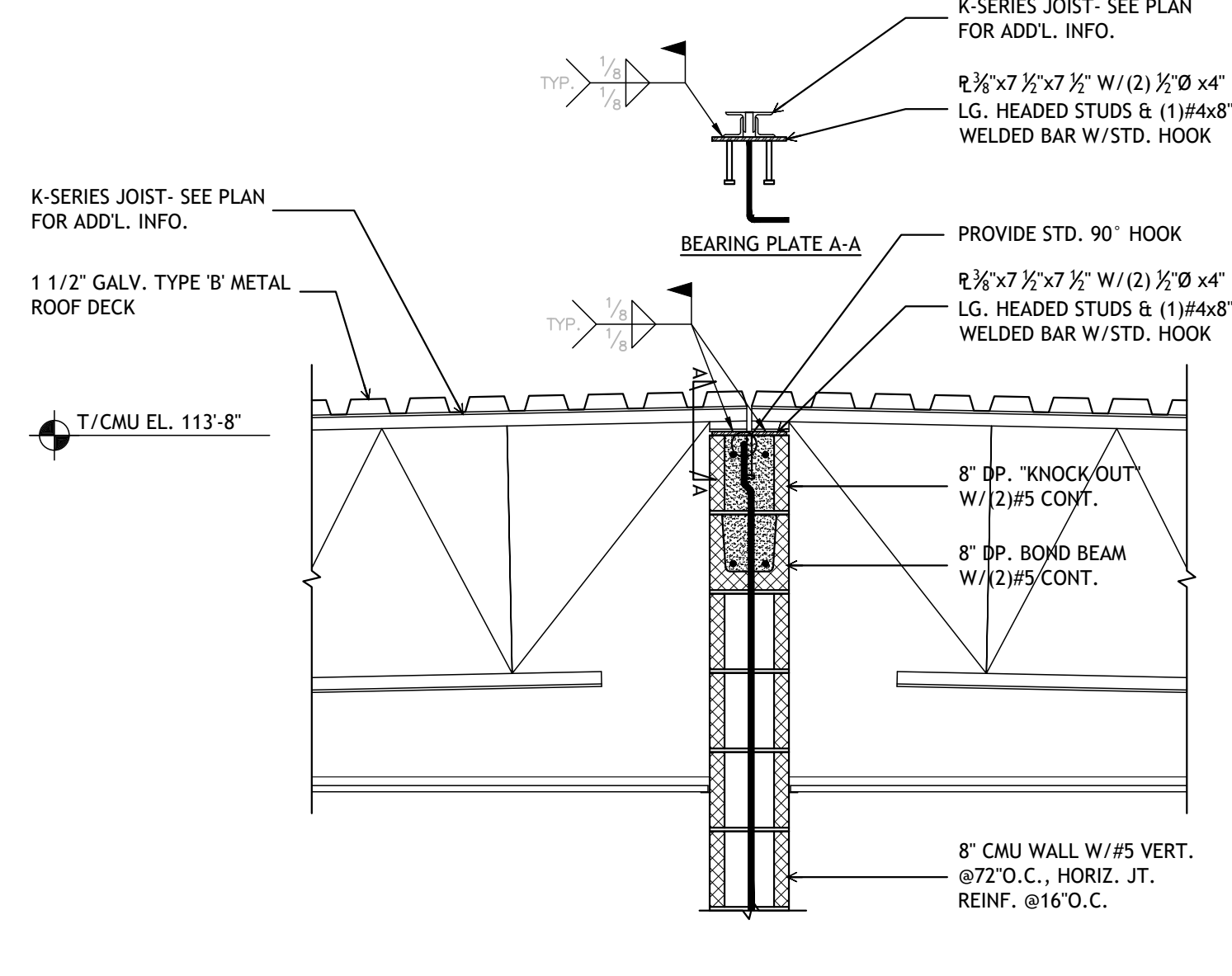
SHEET NUMBER: S201  
23-228.001



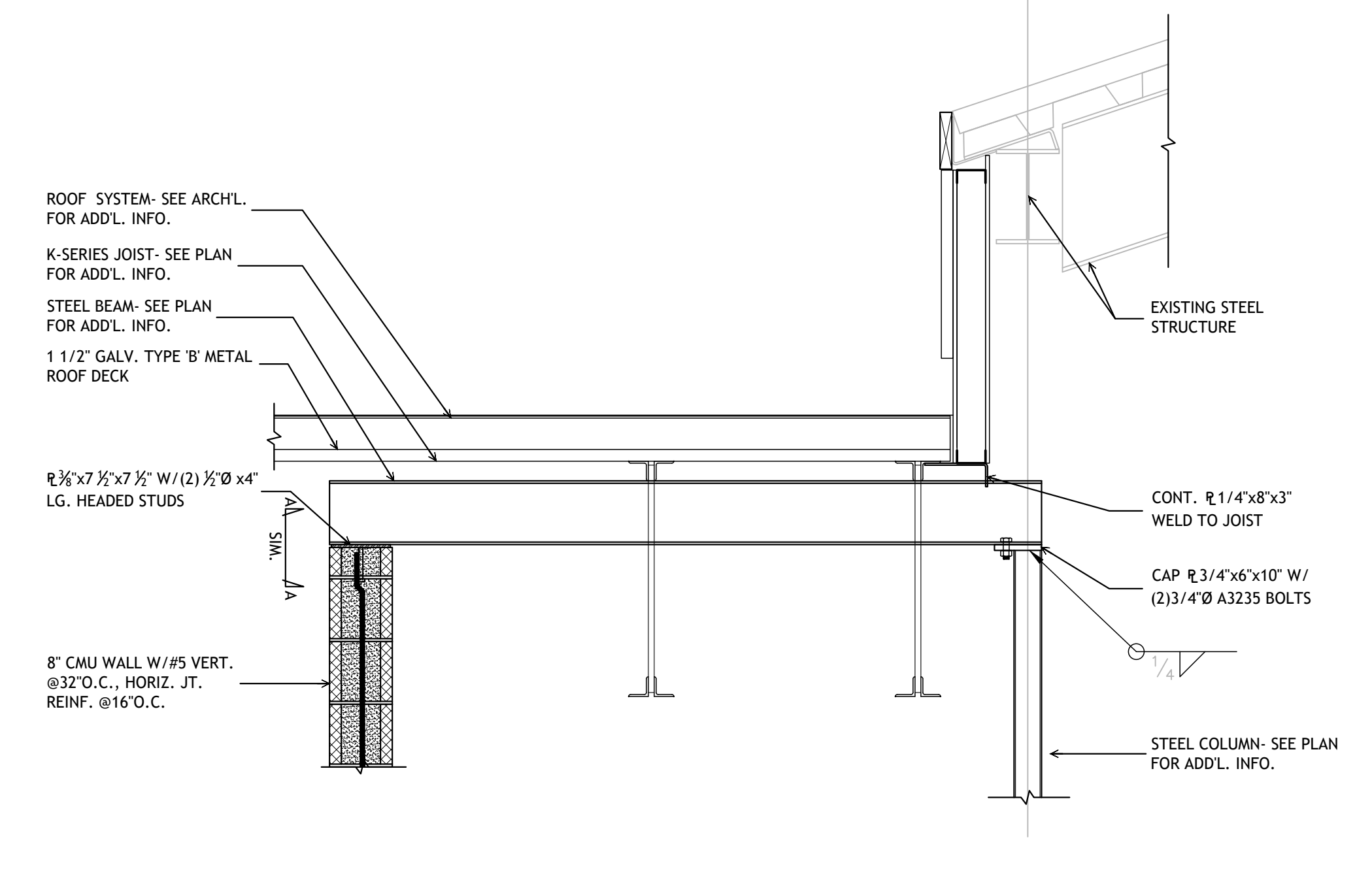
1 SECTION  
S301 Full size plot scale: 3/4"=1'-0"



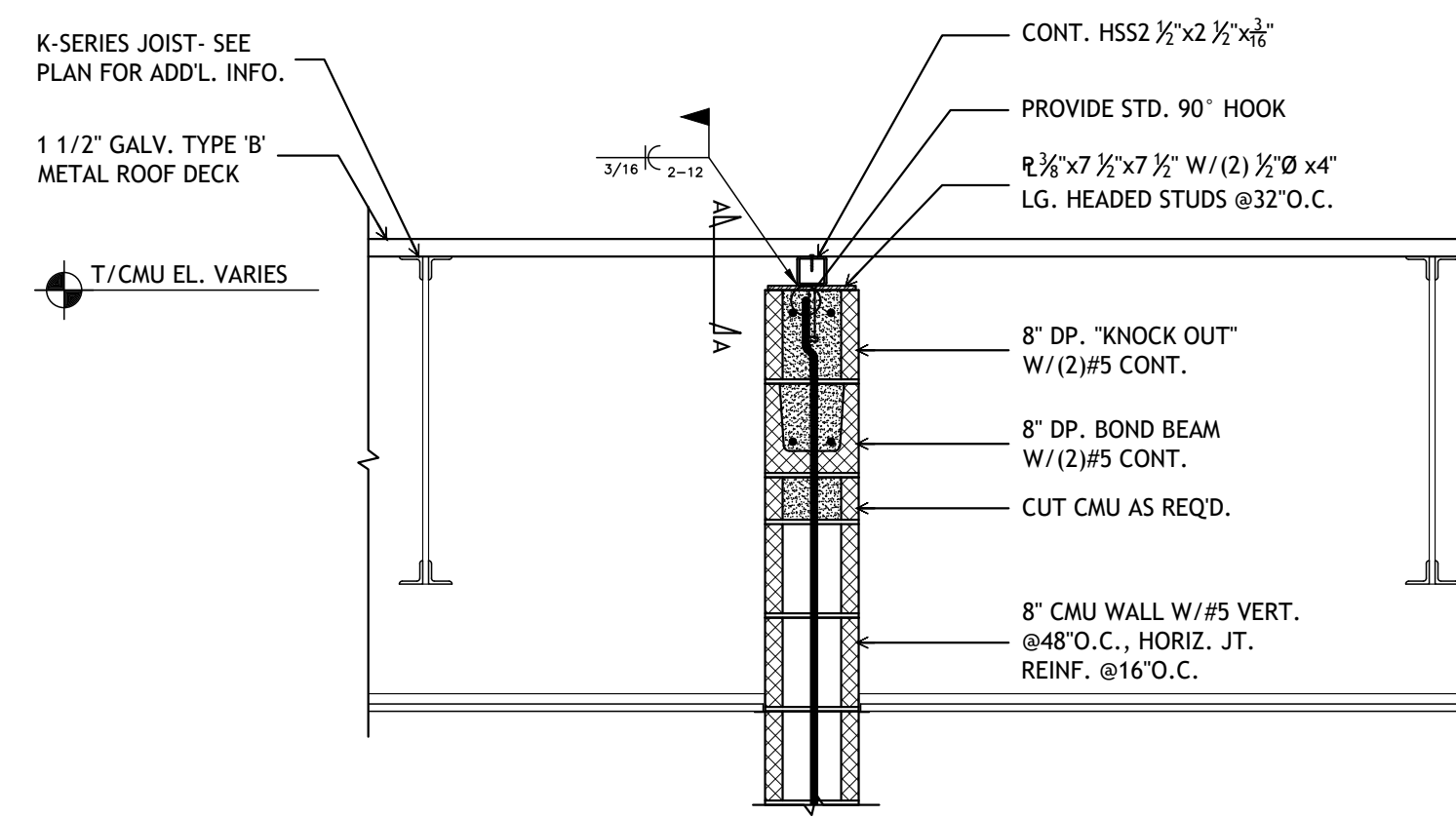
2 SECTION  
S301 Full size plot scale: 3/4"=1'-0"



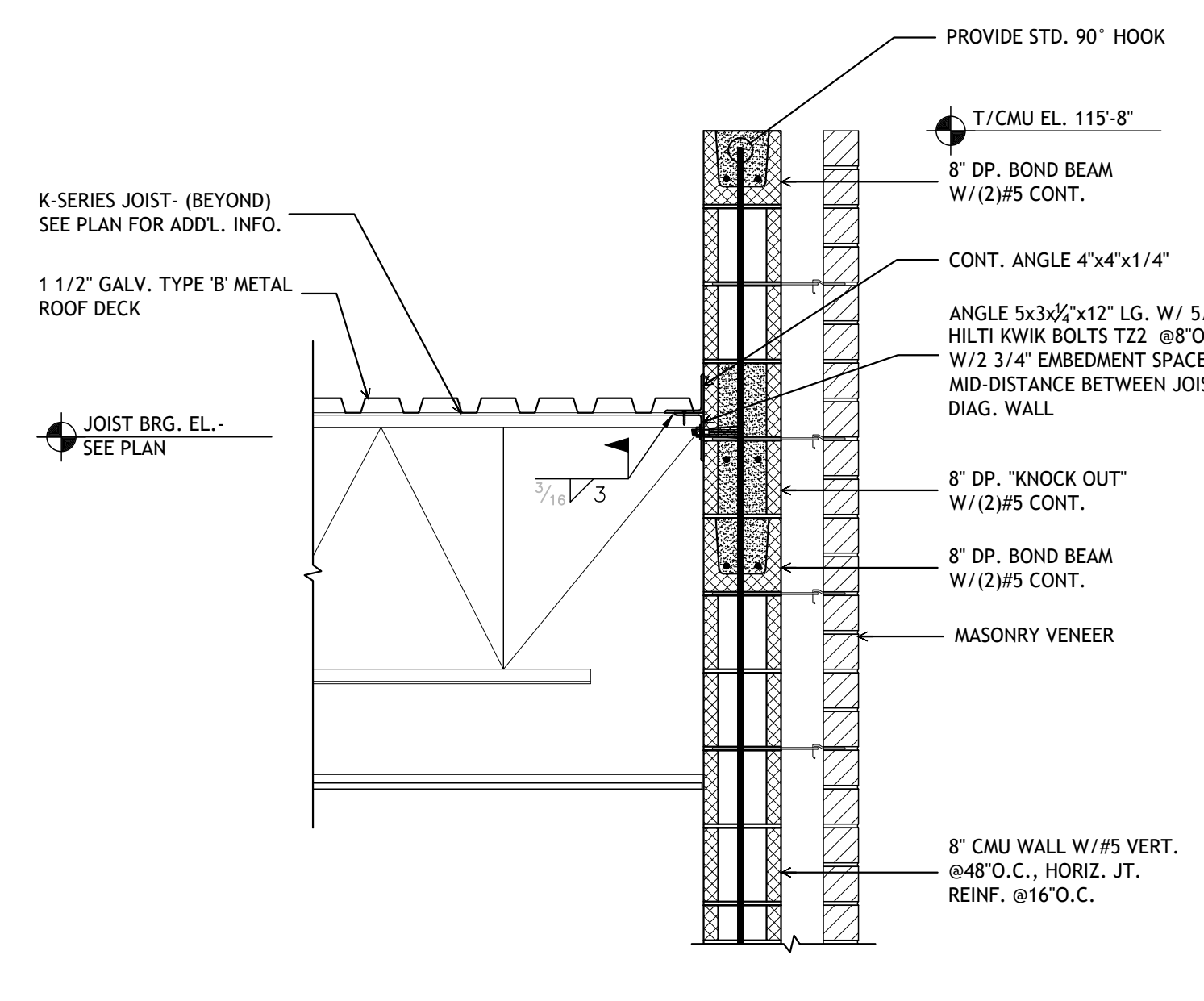
3 SECTION  
S301 Full size plot scale: 3/4"=1'-0"



4 SECTION  
S301 Full size plot scale: 3/4"=1'-0"

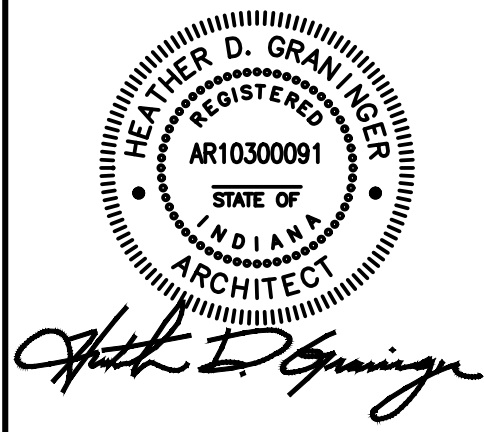


5 SECTION  
S301 Full size plot scale: 3/4"=1'-0"



6 SECTION  
S301 Full size plot scale: 3/4"=1'-0"

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



ISSUED FOR DATE  
Public Bidding 04-03-2024

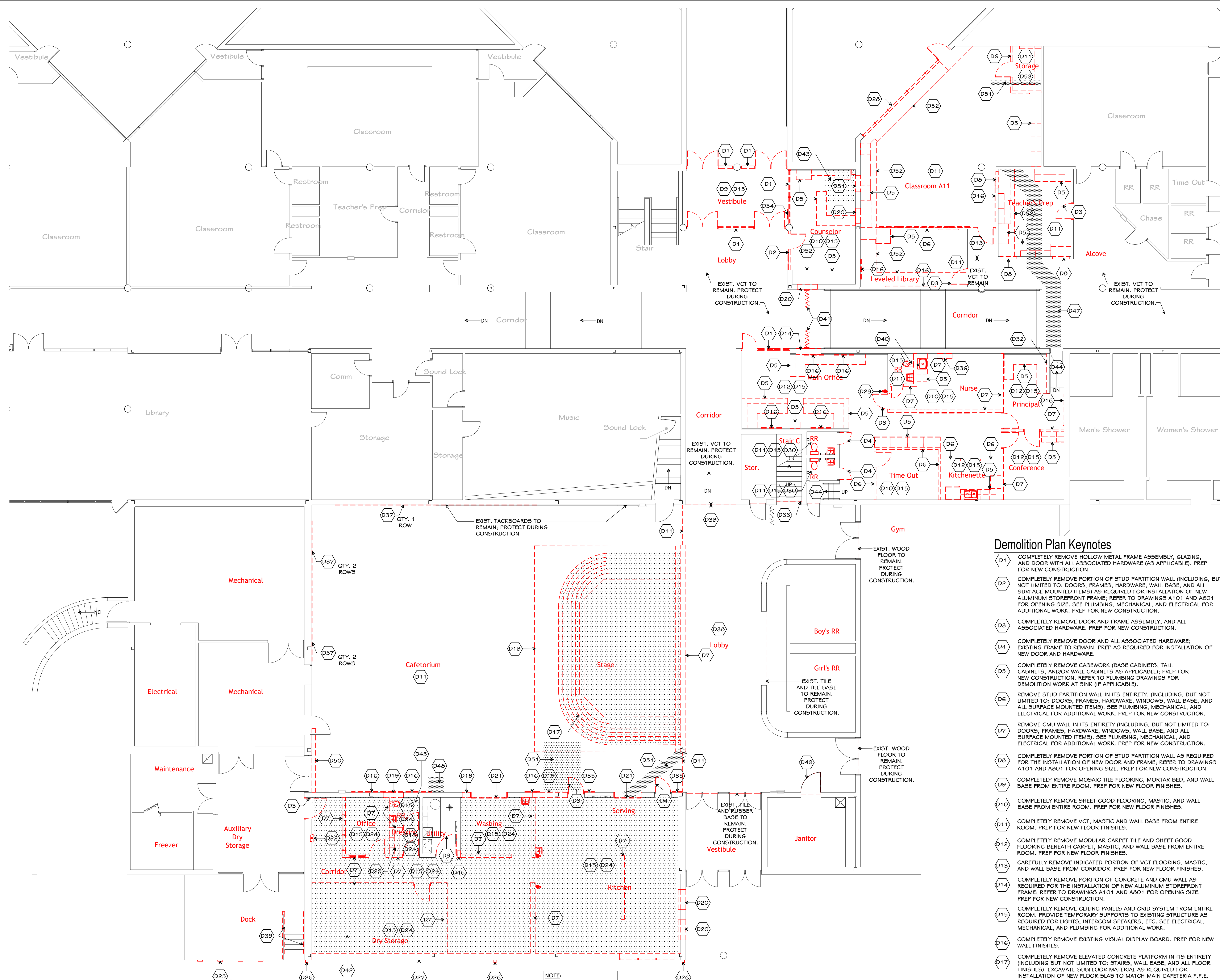
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
ROOF FRAMING SECTIONS

DATE  
APRIL 3, 2024

SHEET NUMBER  
S 301  
23-228.001



- ### General Demolition Notes
- SEE SPECIFICATIONS SECTION 02 41 19-SELECTIVE DEMOLITION FOR FURTHER REQUIREMENTS OF DEMOLITION WITHIN SCOPE OF WORK.
  - OTHER SHEETS WITHIN THIS DRAWING SET REFER TO ITEMS PERTAINING TO SPECIFIC AREAS OF WORK WHICH NEED TO BE REMOVED AND ARE TO BE INCLUDED WITHIN THE ENTIRE SCOPE OF DEMOLITION ON THE PROJECT, INCLUDING BUT NOT LIMITED TO STRUCTURAL, PLUMBING, HVAC, ELECTRICAL AND SITE WORK. CONTRACTOR IS NOT RELIEVED OF HIS/HER RESPONSIBILITY FOR ALL WORK INTENDED FOR FAILURE TO REVIEW ENTIRE DOCUMENT SET FOR WORK REQUIRED.
  - COORDINATE ALL DEMOLITION WITH PHASING, ARCHITECT, AND OWNER'S REPRESENTATIVE.
  - WHERE WALLS, FINISHES, EQUIPMENT, MATERIALS, OR CONSTRUCTION OF ANY TYPE IS INDICATED TO BE REMOVED, THE CONTRACTOR IS TO PATCH AND REPAIR ALL SURFACES TO REMAIN TO MATCH EXISTING ADJACENT SURFACES IN ALL ASPECTS. REPAIRED AREAS ARE TO BLEND INTO THE ADJACENT SURFACES AND NOT APPEAR TO BE A PATCH.
  - CLEAN AND PREP ALL EXISTING WALL SURFACES TO RECEIVE NEW FINISHES. PATCH AND FILL ANY AREAS AS NEEDED DUE TO DEMOLITION WORK OR EXISTING CONDITIONS FOR A LIKE-NEW, SMOOTH, FINISHED SURFACE.
  - PROVIDE OPENINGS IN WALLS AS REQUIRED TO INSTALL NEW PLUMBING, MECHANICAL, AND ELECTRICAL THROUGHOUT THE PROJECT AS REQUIRED TO ACCOMPLISH THE ENTIRE SCOPE OF WORK. SEE PLUMBING, HVAC, AND ELECTRICAL.
  - CONTRACTOR TO PROVIDE AND INSTALL LINTELS AS REQUIRED FOR ALL OPENINGS IN NEW AND EXISTING BUILDING WALLS. REFER TO OTHER SHEETS WITHIN THIS DRAWING SET WHERE OPENINGS MAY BE REQUIRED FOR ANY/ALL TRADES.
  - CONTRACTOR IS RESPONSIBLE FOR PATCHING AND REPAIRING ALL INTERIOR AND EXTERIOR SURFACES DISTURBED BY DEMOLITION OR RENOVATION WORK. ALL ADJACENT SURFACES IN ALL ASPECTS TO LIKE-NEW CONDITION, WHETHER PATCHING IS SPECIFICALLY INDICATED OR NOT.
  - RE-FEED ALL DOWNSTREAM ELECTRICAL DEVICES, LIGHTS, ETC. AFFECTED BY ANY DEMOLITION WORK AS REQUIRED.
  - CONTACT ARCHITECT AND OWNER IF ANY EXISTING LOW VOLTAGE SYSTEM ITEMS (TECHNOLOGY, SECURITY, CAMERAS, ETC.) NOT INDICATED TO BE REMOVED MAY CONFLICT WITH PROJECT SCOPE OF WORK TO COORDINATE REMOVAL AND/OR RELOCATION.

- ### Demolition Plan Keynotes (Continued)
- D25 REMOVE DOCK BUMPERS.
  - D26 METAL GUTTER AND DOWNSPOUTS TO BE REPLACED. PROVIDE PROVISIONS DURING CONSTRUCTION TO TEMPORARILY REDIRECT ROOF DRAINAGE AS REQUIRED DURING CONSTRUCTION OF KITCHEN ADDITION. REFER TO DRAWING A301 FOR ADDITIONAL INFORMATION.
  - D27 COMPLETELY REMOVE CMU AND BRICK VENEER EXTERIOR WALL AS SHOWN (INCLUDING, BUT NOT LIMITED TO: WINDOWS, WALL BASE, AND ALL SURFACE MOUNTED ITEMS). SEE PLUMBING, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL WORK. PREP FOR NEW CONSTRUCTION.
  - D28 COMPLETELY REMOVE HOLLOW METAL FRAME, GLAZING, DOOR AND ALL ASSOCIATED HARDWARE, AND INTEGRATED LOUVERS IN THEIR ENTIRETY. PREP FOR NEW CONSTRUCTION.
  - D29 REMOVE CONCRETE BENCH AND LOCKERS ATOP BENCH IN THEIR ENTIRETY.
  - D30 CAREFULLY REMOVE ALL RESTROOM ACCESSORIES FOR PREP OF NEW WALL FINISHES. SALVAGE AND REINSTALL.
  - D31 COMPLETELY REMOVE PORTION OF CONCRETE AND CMU WALL AS REQUIRED FOR THE INSTALLATION OF NEW WALK THROUGH OPENING AND STAIR; REFER TO DRAWING A101 AND SECTION 1A702 FOR ADDITIONAL INFORMATION. PREP FOR NEW CONSTRUCTION.
  - D32 COMPLETELY REMOVE EXISTING PLASTIC LAMINATE WALL CAP IN ITS ENTIRETY. PREP FOR NEW CONSTRUCTION.
  - D33 CAREFULLY REMOVE WALL BASE AT FIRST STAIR RISER ONLY. PREP FOR NEW FLOOR FINISHES.
  - D34 CAREFULLY REMOVE EXISTING BUILDING PLAQUE AND RETURN TO OWNER.
  - D35 CAREFULLY REMOVE EXISTING MENU BOARD. SALVAGE FOR REINSTALLATION. SEE Q101 FOR NEW LOCATIONS.
  - D36 CAREFULLY REMOVE WALL MOUNTED NARCOTICS CABINET. SALVAGE FOR REINSTALLATION. SEE Q101 FOR NEW LOCATIONS.
  - D37 COMPLETELY REMOVE EXISTING WALL MOUNTED TACK STRIPS
  - D38 COMPLETELY REMOVE MODULAR CARPET TILE, MASTIC, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.
  - D39 REMOVE STEEL HANDRAILS AND GUARDRAIL AT DOCK STAIR. PATCH HOLES IN DOCK WITH NON-SHRINK GROUT.
  - D40 REMOVE ALL RESTROOM ACCESSORIES FROM ROOM. SALVAGE TOILET PAPER DISPENSER, PAPER TOWEL DISPENSER, AND SOAP DISPENSER AND RETURN TO OWNER.
  - D41 CAREFULLY REMOVE ACCORDION SECURITY GATE; SALVAGE FOR REINSTALLATION. REFER TO DRAWING A101 FOR NEW LOCATION.
  - D42 COMPLETELY REMOVE FLOOR SLAB FROM INDICATED AREA IN KITCHEN. SAWCUT AROUND EXISTING UTILITY ROOM TO REMAIN AND AT DOOR OPENINGS AS REQUIRED.
  - D43 SAWCUT & REMOVE PORTION OF FLOOR SLAB AND EXCAVATE SUBFLOOR MATERIAL AS REQUIRED FOR INSTALLATION OF NEW STAIR. REFER TO SECTION 1A702 AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - D44 COMPLETELY REMOVE NOSING/RISERS, SHEET GOOD FLOORING FROM LANDING(S), MASTIC, AND WALL BASE FROM STAIR. PREP FOR NEW FLOOR FINISHES.
  - D45 REMOVE ALL RESTROOM ACCESSORIES FROM ROOM.
  - D46 REMOVE PORTION OF CMU WALL UP TO 10'-0" A.F.F. TO GREAT NEW FINISHED END.
  - D47 HATCHED AREA INDICATES APPROXIMATE PATH FOR NEW SANITARY PIPING. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR TO REMOVE WHOLE VCT FLOOR TILES AT AFFECTED AREA, THEN SAWCUT AND REMOVE PORTION OF CONCRETE FLOOR SLAB AS REQUIRED.
  - D48 SAWCUT AND REMOVE PORTION OF CONCRETE FLOOR SLAB AS REQUIRED FOR INSTALLATION OF NEW FLOOR DRAIN AND SANITARY PIPING; REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
  - D49 TEMPORARILY REMOVE EXISTING DOOR, UNDERCUT AS REQUIRED FOR 1/4" MIN. CLEARANCE ABOVE NEW FINISHED FLOOR, AND REHANG. ALL EXISTING DOOR HARDWARE TO REMAIN.
  - D50 REMOVE SHEET METAL PIPING ENCLOSURE. SEE MECHANICAL FOR ADDITIONAL WORK.
  - D51 SAWCUT AND REMOVE PORTION OF CONCRETE FLOOR SLAB AS REQUIRED FOR INSTALLATION OF NEW UNDERSLAB CONDUITS; REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - D52 COMPLETELY REMOVE GYP. BD. AND METAL STUD SOFFIT IN ITS ENTIRETY.
  - D53 COMPLETELY REMOVE WALL MOUNTED SHELVING (INCLUDING, BUT NOT LIMITED TO: SHELVES, SUPPORT BRACKETS, AND WALL MOUNTED STANDARDS) FROM ENTIRE ROOM.

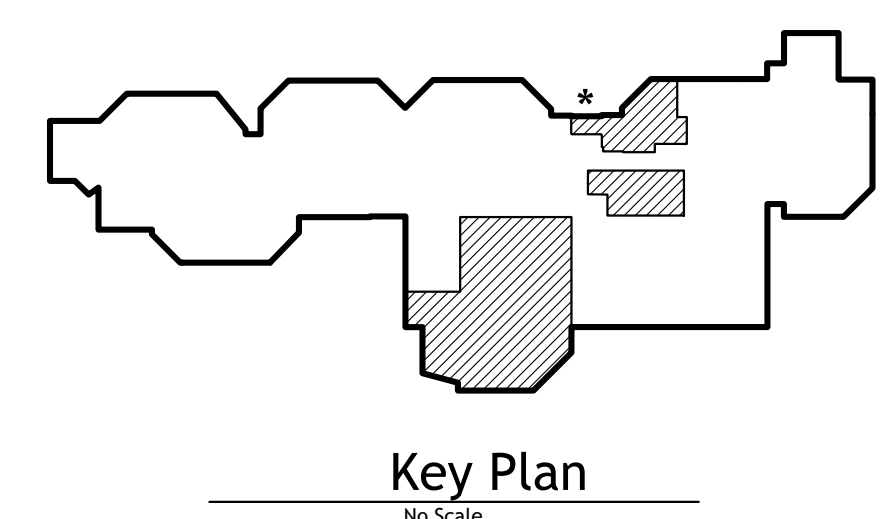
- ### Demolition Plan Keynotes
- D01 COMPLETELY REMOVE HOLLOW METAL FRAME ASSEMBLY, GLAZING, AND DOOR WITH ALL ASSOCIATED HARDWARE (AS APPLICABLE). PREP FOR NEW CONSTRUCTION.
  - D02 COMPLETELY REMOVE PORTION OF STUD PARTITION WALL (INCLUDING, BUT NOT LIMITED TO: DOORS, FRAMES, HARDWARE, WALL BASE, AND ALL SURFACE MOUNTED ITEMS) AS REQUIRED FOR INSTALLATION OF NEW ALUMINUM STOREFRONT FRAME; REFER TO DRAWINGS A101 AND A801 FOR OPENING SIZE. SEE PLUMBING, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL WORK. PREP FOR NEW CONSTRUCTION.
  - D03 COMPLETELY REMOVE DOOR AND FRAME ASSEMBLY, AND ALL ASSOCIATED HARDWARE. PREP FOR NEW CONSTRUCTION.
  - D04 COMPLETELY REMOVE DOOR AND ALL ASSOCIATED HARDWARE; EXISTING FRAME TO REMAIN. PREP AS REQUIRED FOR INSTALLATION OF NEW DOOR AND HARDWARE.
  - D05 COMPLETELY REMOVE CASEWORK (BASE CABINETS, TALL CABINETS, AND/OR WALL CABINETS AS APPLICABLE); PREP FOR NEW CONSTRUCTION. REFER TO PLUMBING DRAWINGS FOR DEMOLITION WORK AT SINK (IF APPLICABLE).
  - D06 REMOVE STUD PARTITION WALL IN ITS ENTIRETY, (INCLUDING, BUT NOT LIMITED TO: DOORS, FRAMES, HARDWARE, WINDOWS, WALL BASE, AND ALL SURFACE MOUNTED ITEMS). SEE PLUMBING, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL WORK. PREP FOR NEW CONSTRUCTION.
  - D07 REMOVE CMU WALL IN ITS ENTIRETY (INCLUDING, BUT NOT LIMITED TO: DOORS, FRAMES, HARDWARE, WINDOWS, WALL BASE, AND ALL SURFACE MOUNTED ITEMS). SEE PLUMBING, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL WORK. PREP FOR NEW CONSTRUCTION.
  - D08 COMPLETELY REMOVE PORTION OF STUD PARTITION WALL AS REQUIRED FOR THE INSTALLATION OF NEW DOOR AND FRAME; REFER TO DRAWINGS A101 AND A801 FOR OPENING SIZE. PREP FOR NEW CONSTRUCTION.
  - D09 COMPLETELY REMOVE MOSAIC TILE FLOORING, MORTAR BED, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.
  - D10 COMPLETELY REMOVE SHEET GOOD FLOORING, MASTIC, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.
  - D11 COMPLETELY REMOVE VCT, MASTIC AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.
  - D12 COMPLETELY REMOVE MODULAR CARPET TILE AND SHEET GOOD FLOORING BENEATH CARPET, MASTIC, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.
  - D13 CAREFULLY REMOVE INDICATED PORTION OF VCT FLOORING, MASTIC, AND WALL BASE FROM CORRIDOR. PREP FOR NEW FLOOR FINISHES.
  - D14 COMPLETELY REMOVE PORTION OF CONCRETE AND CMU WALL AS REQUIRED FOR THE INSTALLATION OF NEW ALUMINUM STOREFRONT FRAME; REFER TO DRAWINGS A101 AND A801 FOR OPENING SIZE. PREP FOR NEW CONSTRUCTION.
  - D15 COMPLETELY REMOVE CEILING PANELS AND GRID SYSTEM FROM ENTIRE ROOM. PROVIDE TEMPORARY SUPPORTS TO EXISTING STRUCTURE AS REQUIRED FOR LIGHTS, INTERCOM SPEAKERS, ETC. SEE ELECTRICAL, MECHANICAL, AND PLUMBING FOR ADDITIONAL WORK.
  - D16 COMPLETELY REMOVE EXISTING VISUAL DISPLAY BOARD. PREP FOR NEW WALL FINISHES.
  - D17 COMPLETELY REMOVE ELEVATED CONCRETE PLATFORM IN ITS ENTIRETY (INCLUDING BUT NOT LIMITED TO: STAIRS, WALL BASE, AND ALL FLOOR FINISHES); EXCAVATE SUBFLOOR MATERIAL AS REQUIRED FOR INSTALLATION OF NEW FLOOR SLAB TO MATCH MAIN CAFETERIA F.F.E.
  - D18 COMPLETELY REMOVE MULTI-TIER SUSPENDED ACOUSTICAL CEILING SYSTEM (INCLUDING, BUT NOT LIMITED TO: GRID, PANELS, AND ASSOCIATED INTERMEDIATE STRUCTURAL SUPPORT MEMBERS (IF PROVIDED EXCLUSIVELY TO SUPPORT THE REMOVED CEILING SYSTEM). SEE ELECTRICAL FOR ADDITIONAL WORK.
  - D19 COMPLETELY REMOVE PORTION OF CMU WALL AS REQUIRED FOR THE INSTALLATION OF NEW DOOR AND FRAME; REFER TO DRAWINGS A101 AND A801 FOR OPENING SIZE. PREP FOR NEW CONSTRUCTION.
  - D20 COMPLETELY REMOVE PORTION OF CONCRETE AND/OR CMU WALL AS REQUIRED FOR THE INSTALLATION OF NEW WINDOW; REFER TO DRAWINGS A101 AND A801 FOR OPENING SIZE. PREP FOR NEW CONSTRUCTION.
  - D21 COMPLETELY REMOVE OVERHEAD COILING DOOR, FRAME/TRACK ASSEMBLY, AND HOOD ENCLOSURE IN THEIR ENTIRETY. PREP FOR NEW CONSTRUCTION.
  - D22 COMPLETELY REMOVE SEMI-RECESSED FIRE EXTINGUISHER CABINET.
  - D23 CAREFULLY REMOVE EXISTING WALL MOUNTED FIRE EXTINGUISHER; SALVAGE AND REINSTALL. SEE EQUIPMENT PLAN FOR NEW LOCATION.
  - D24 REMOVE ALL WALL BASE AND ADHESIVE FROM ENTIRE ROOM. PREP FOR NEW WALL FINISHES.

**NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING**

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and questions.

**NOTE: CONTRACTOR TO CAREFULLY REMOVE AND SALVAGE EXISTING BRICK VENEER OF A SUFFICIENT QUANTITY AS REQUIRED TO INFILL OPENINGS AT REMOVED DOOR & FRAME IN VESTIBULE 145 AND EXTERIOR LOUVERS. REFER TO A101 DRAWING FOR LOCATIONS. REMAINDER OF BRICK TO BE DISPOSED OFFSITE.**

**NOTE: REFER TO DRAWING K001 FOR DEMOLITION OF EQUIPMENT WITHIN THE KITCHEN.**



**TowerPinkster**  
Architecture - Engineering - Interiors  
© 2023. ALL RIGHTS RESERVED.

**ARCHITECT D. GRANVILLE**  
REGISTERED ARCHITECT  
STATE OF INDIANA  
ART10300091

ISSUED FOR: \_\_\_\_\_ DATE: \_\_\_\_\_  
Public Bidding 04-03-2024

PROJECT TITLE  
**NORTH HARRISON  
ELEMENTARY SCHOOL**

OWNER  
**NORTH HARRISON  
COMMUNITY SCHOOLS**

SHEET TITLE  
**ARCHITECTURAL DEMOLITION PLAN**

1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

DATE  
**APRIL 3, 2024**

SHEET NUMBER  
**A 001**  
23-228.001



ISSUED FOR DATE  
Public Bidding 04-03-2024

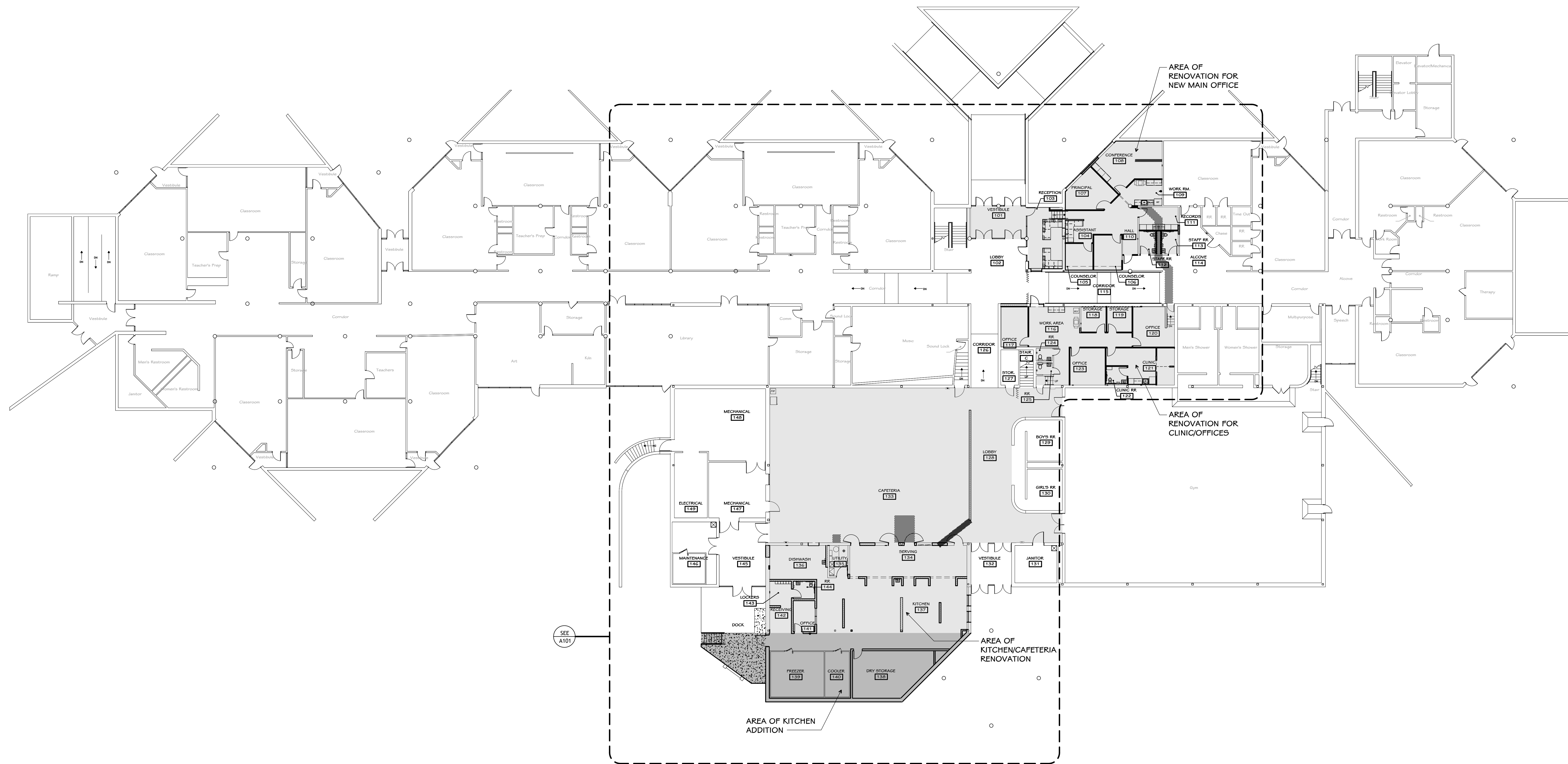
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
OVERALL FIRST FLOOR PLAN

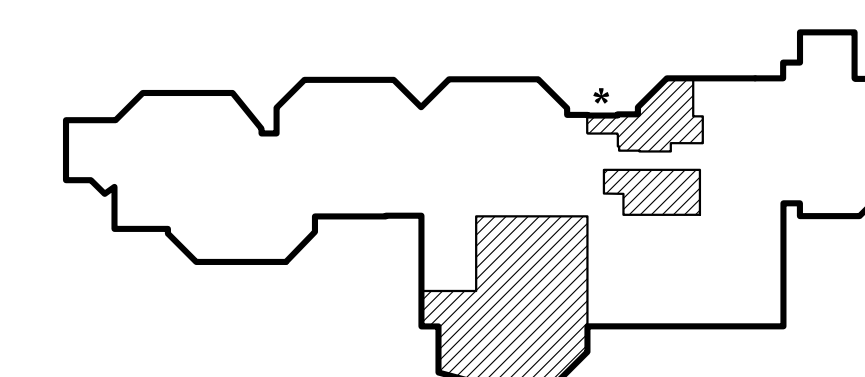
DATE  
APRIL 3, 2024

SHEET NUMBER  
**A 100**  
23-228.001



**Legend**

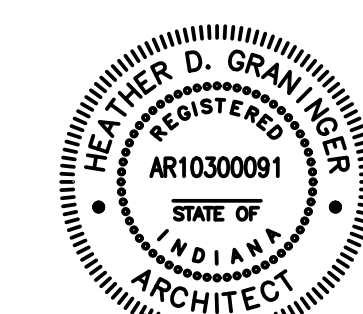
- Area of Renovation
- Area of New Construction



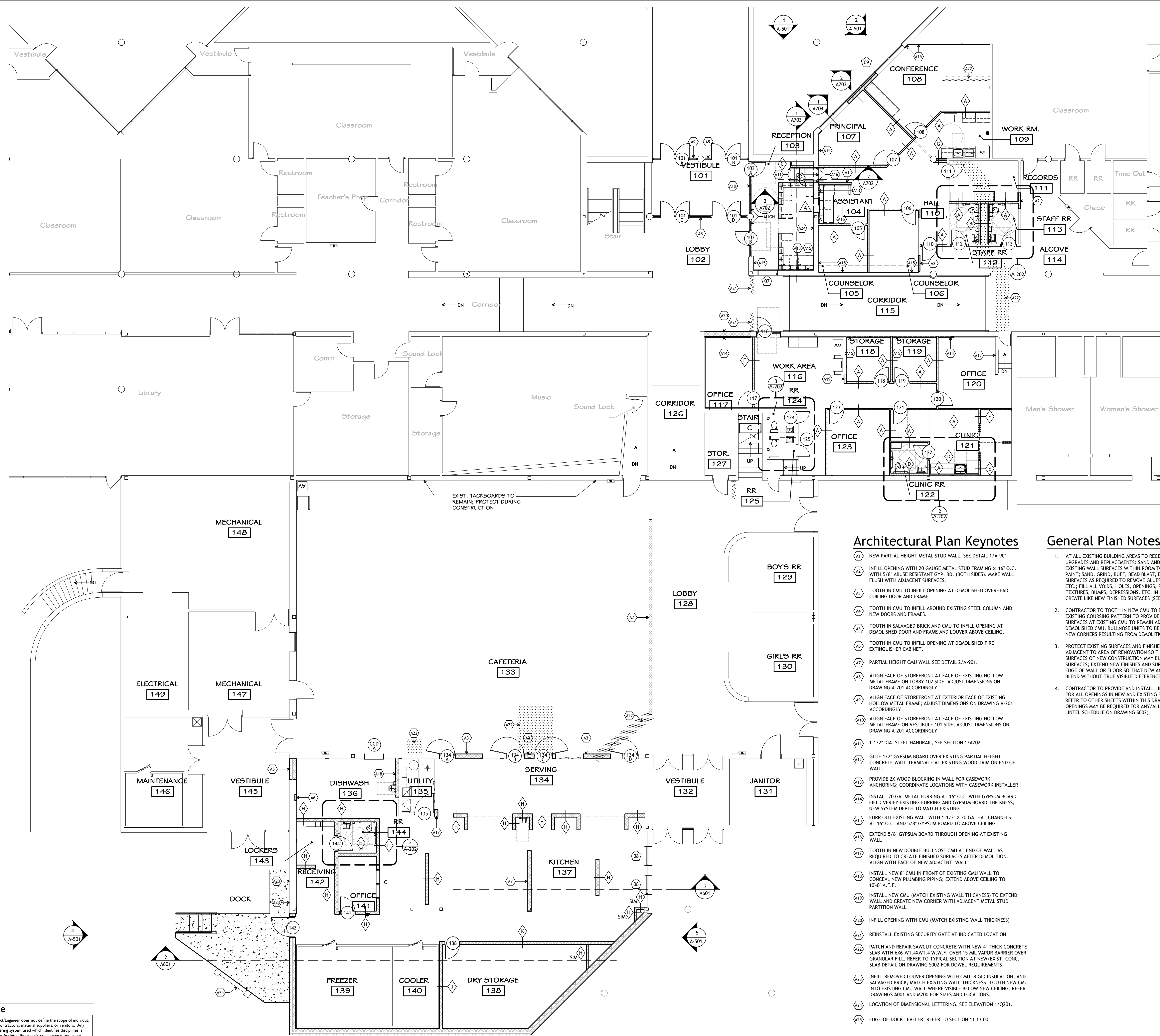
**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**OVERALL FIRST FLOOR PLAN**  
1/16" = 1'-0"





Andrew D. Graninger  
ISSUED FOR Public Bidding DATE 04-03-2024



**Architectural Plan Keynotes**

- A1 NEW PARTIAL HEIGHT METAL STUD WALL. SEE DETAIL 1/A-901.
- A2 INFILL OPENING WITH 20 GAUGE METAL STUD FRAMING @ 16" O.C. WITH 5/8" ABUSE RESISTANT GYP. BD. (BOTH SIDES). MAKE WALL FLUSH WITH ADJACENT SURFACES.
- A3 TOOTH IN CMU TO INFILL OPENING AT DEMOLISHED OVERHEAD COILING DOOR AND FRAME.
- A4 TOOTH IN CMU TO INFILL AROUND EXISTING STEEL COLUMN AND NEW DOORS AND FRAMES.
- A5 TOOTH IN SALVAGED BRICK AND CMU TO INFILL OPENING AT DEMOLISHED DOOR AND FRAME AND LOUVER ABOVE CEILING.
- A6 TOOTH IN CMU TO INFILL OPENING AT DEMOLISHED FIRE EXTINGUISHER CABINET.
- A7 PARTIAL HEIGHT CMU WALL SEE DETAIL 2/A-901.
- A8 ALIGN FACE OF STOREFRONT AT FACE OF EXISTING HOLLOW METAL FRAME ON LOBBY 102 SIDE; ADJUST DIMENSIONS ON DRAWING A-201 ACCORDINGLY.
- A9 ALIGN FACE OF STOREFRONT AT EXTERIOR FACE OF EXISTING HOLLOW METAL FRAME; ADJUST DIMENSIONS ON DRAWING A-201 ACCORDINGLY.
- A10 ALIGN FACE OF STOREFRONT AT FACE OF EXISTING HOLLOW METAL FRAME ON VESTIBULE 101 SIDE; ADJUST DIMENSIONS ON DRAWING A-201 ACCORDINGLY.
- A11 1-1/2" DIA. STEEL HANDRAIL, SEE SECTION 1/A702
- A12 GUE 1/2" GYPSUM BOARD OVER EXISTING PARTIAL HEIGHT CONCRETE WALL TERMINATE AT EXISTING WOOD TRIM ON END OF WALL.
- A13 PROVIDE 2X WOOD BLOCKING IN WALL FOR CASEWORK ANCHORING; COORDINATE LOCATIONS WITH CASEWORK INSTALLER
- A14 INSTALL 20 GA. METAL FURRING AT 16" O.C. WITH GYPSUM BOARD. FIELD VERIFY EXISTING FURRING AND GYPSUM BOARD THICKNESS; NEW SYSTEM DEPTH TO MATCH EXISTING
- A15 FURR OUT EXISTING WALL WITH 1-1/2" X 20 GA. HAT CHANNELS AT 16" O.C. AND 5/8" GYPSUM BOARD TO ABOVE CEILING
- A16 EXTEND 5/8" GYPSUM BOARD THROUGH OPENING AT EXISTING WALL
- A17 TOOTH IN NEW DOUBLE BULLNOSE CMU AT END OF WALL AS REQUIRED TO CREATE FINISHED SURFACES AFTER DEMOLITION. ALIGN WITH FACE OF NEW ADJACENT WALL
- A18 INSTALL NEW 8" CMU IN FRONT OF EXISTING CMU WALL TO CONCEAL NEW PLUMBING PIPING; EXTEND ABOVE CEILING TO 10'-0" A.F.F.
- A19 INSTALL NEW CMU (MATCH EXISTING WALL THICKNESS) TO EXTEND WALL AND CREATE NEW CORNER WITH ADJACENT METAL STUD PARTITION WALL
- A20 INFILL OPENING WITH CMU (MATCH EXISTING WALL THICKNESS)
- A21 REINSTALL EXISTING SECURITY GATE AT INDICATED LOCATION
- A22 PATCH AND REPAIR SAWCUT CONCRETE WITH NEW 4" THICK CONCRETE SLAB WITH 6X6-W1.4XW1.4 W.W.F. OVER 15 MIL VAPOR BARRIER OVER GRANULAR FILL. REFER TO TYPICAL SECTION AT NEW/EXIST. CONC. SLAB DETAIL ON DRAWING 5002 FOR DOWEL REQUIREMENTS.
- A23 INFILL REMOVED LOUVER OPENING WITH CMU, RIGID INSULATION, AND SALVAGED BRICK; MATCH EXISTING WALL THICKNESS. TOOTH NEW CMU INTO EXISTING CMU WALL WHERE VISIBLE BELOW NEW CEILING. REFER DRAWINGS A001 AND A200 FOR SIZES AND LOCATIONS.
- A24 LOCATION OF DIMENSIONAL LETTERING. SEE ELEVATION 1/Q201.
- A25 EDGE-OF-DOCK LEVELER, REFER TO SECTION 11 13.00.

**General Plan Notes**

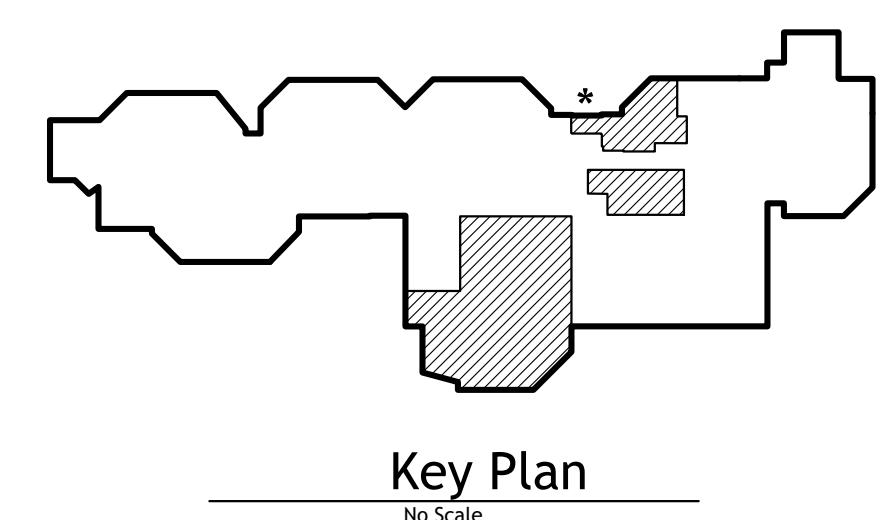
1. AT ALL EXISTING BUILDING AREAS TO RECEIVE MAJOR FINISHES UPGRADES AND REPLACEMENTS: SAND AND PREP SMOOTH ALL EXISTING WALL SURFACES WITHIN ROOM TO RECEIVE NEW FINISH PAINT; SAND, GRIND, BUFF, BEAD BLAST, ETC. ALL FLOOR SURFACES AS REQUIRED TO REMOVE GLUES, MASTICS, CURINGS, ETC.; FILL ALL VOIDS, HOLES, OPENINGS, REMOVE ALL TEXTURES, BUMPS, DEPRESSIONS, ETC. IN ALL SURFACES TO CREATE LIKE NEW FINISHED SURFACES (SEE FINISH PLANS).
2. CONTRACTOR TO TOOTH IN NEW CMU TO BLEND IN WITH EXISTING COURSING PATTERN TO PROVIDE NEW FINISHED SURFACES AT EXISTING CMU TO REMAIN ADJACENT TO DEMOLISHED CMU. BULLNOSE UNITS TO BE TOOTHED IN AT ALL NEW CORNERS RESULTING FROM DEMOLITION.
3. PROTECT EXISTING SURFACES AND FINISHES TO REMAIN ADJACENT TO AREA OF RENOVATION SO THAT NEW FINISHES AND SURFACES OF NEW CONSTRUCTION MAY BLEND INTO EXISTING SURFACES; EXTEND NEW FINISHES AND SURFACES TO CORNER OR EDGE OF WALL OR FLOOR SO THAT NEW AND EXISTING MAY BLEND WITHOUT TRUE VISIBLE DIFFERENCES.
4. CONTRACTOR TO PROVIDE AND INSTALL LINTELS AS REQUIRED FOR ALL OPENINGS IN NEW AND EXISTING BUILDING WALLS. REFER TO OTHER SHEETS WITHIN THIS DRAWING SET WHERE OPENINGS MAY BE REQUIRED FOR ANY/ALL TRADES. (SEE MISC. LINTEL SCHEDULE ON DRAWING 5002)

**Symbol Legend**

- XX DOOR IDENTIFICATION - (SEE DOOR SCHEDULE ON SHEET A-801)
- XX ALUMINUM FRAME IDENTIFICATION - (SEE ELEVATIONS ON SHEET A-801)
- X HOLLOW METAL FRAME IDENTIFICATION - (SEE ELEVATIONS ON SHEET A-801)
- △ SLIDING WINDOW IDENTIFICATION - (SEE ELEVATIONS ON SHEET A-801)
- X PLAN KEYNOTE - (SEE NOTES INDICATED ON EACH SHEET)
- ◇ PARTITION WALL TYPE - (ALL WALLS NOT INDICATED AS PARTITIONS ARE FULL HEIGHT BEARING WALLS; SEE SECTIONS FOR CONDITIONS (SEE DETAILS ON SHEET A-901))
- X ENLARGED PLAN MARKER - (ABOVE - DETAIL NUMBER BELOW - SHEET REFERENCE)
- X COLUMN CENTERLINE
- △ BUILDING LINE
- ◇ SECTION CUT MARKER - (ABOVE - DETAIL NUMBER BELOW - SHEET REFERENCE)
- X ELEVATION MARKER - (ABOVE - DETAIL NUMBER BELOW - SHEET REFERENCE)
- X ELEVATION MARKER - (LETTER - DETAIL REFERENCE CENTER - SHEET REFERENCE)
- XXXXXXXXX ROOM IDENTIFICATION - (ABOVE - ROOM NAME BELOW - ARCHITECTURAL ROOM NUMBER)
- X-XXX

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**ARCHITECTURAL PLAN**  
1/8" = 1'-0"



PROJECT TITLE  
**NORTH HARRISON ELEMENTARY SCHOOL**  
2024 ADDITION AND RENOVATIONS

OWNER  
**NORTH HARRISON COMMUNITY SCHOOLS**  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
**ARCHITECTURAL PLAN**

SHEET NUMBER  
**A 101**  
23-228.001

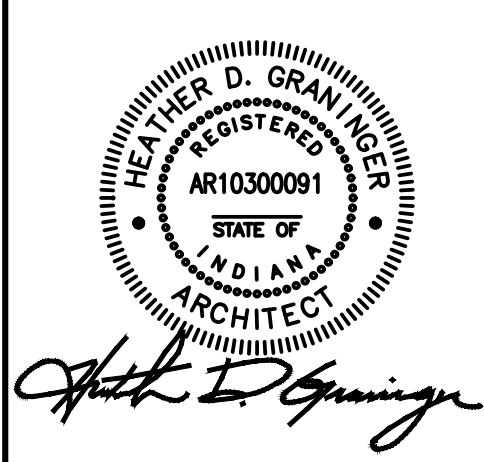
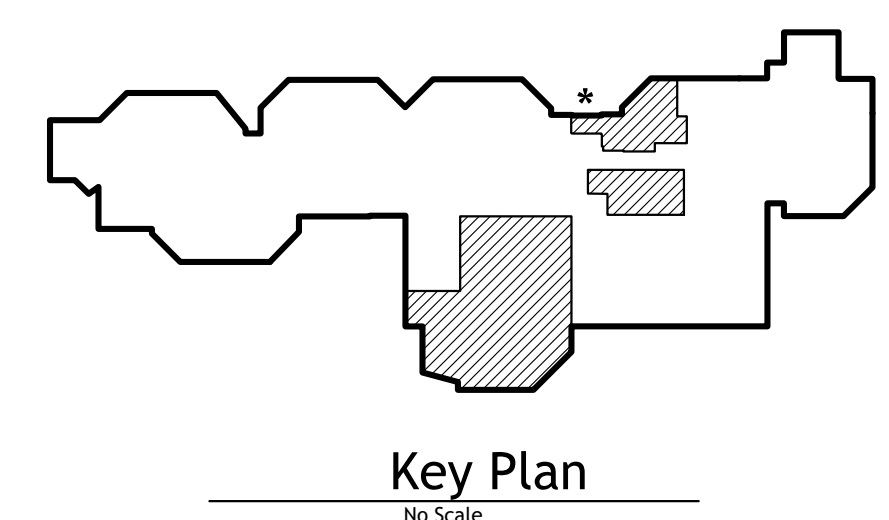
DATE  
**APRIL 3, 2024**



**Notice**

The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**DIMENSION PLAN**  
1/8" = 1'-0"



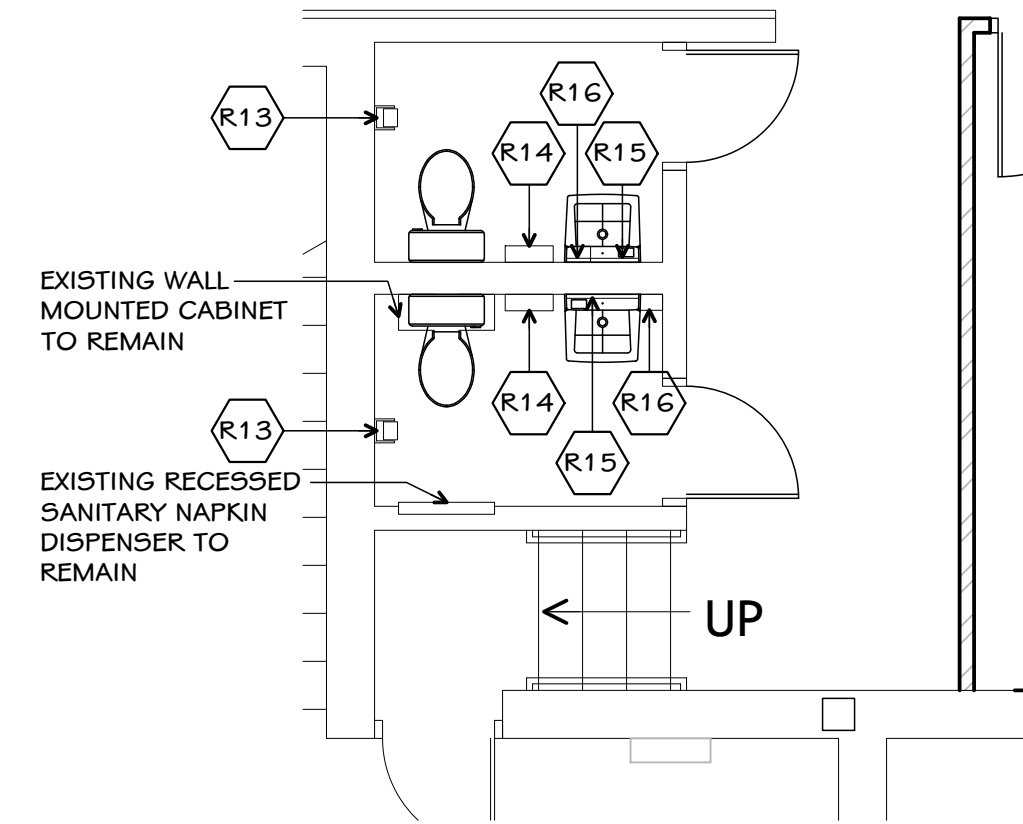
ISSUED FOR: Public Bidding  
DATE: 04-03-2024

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

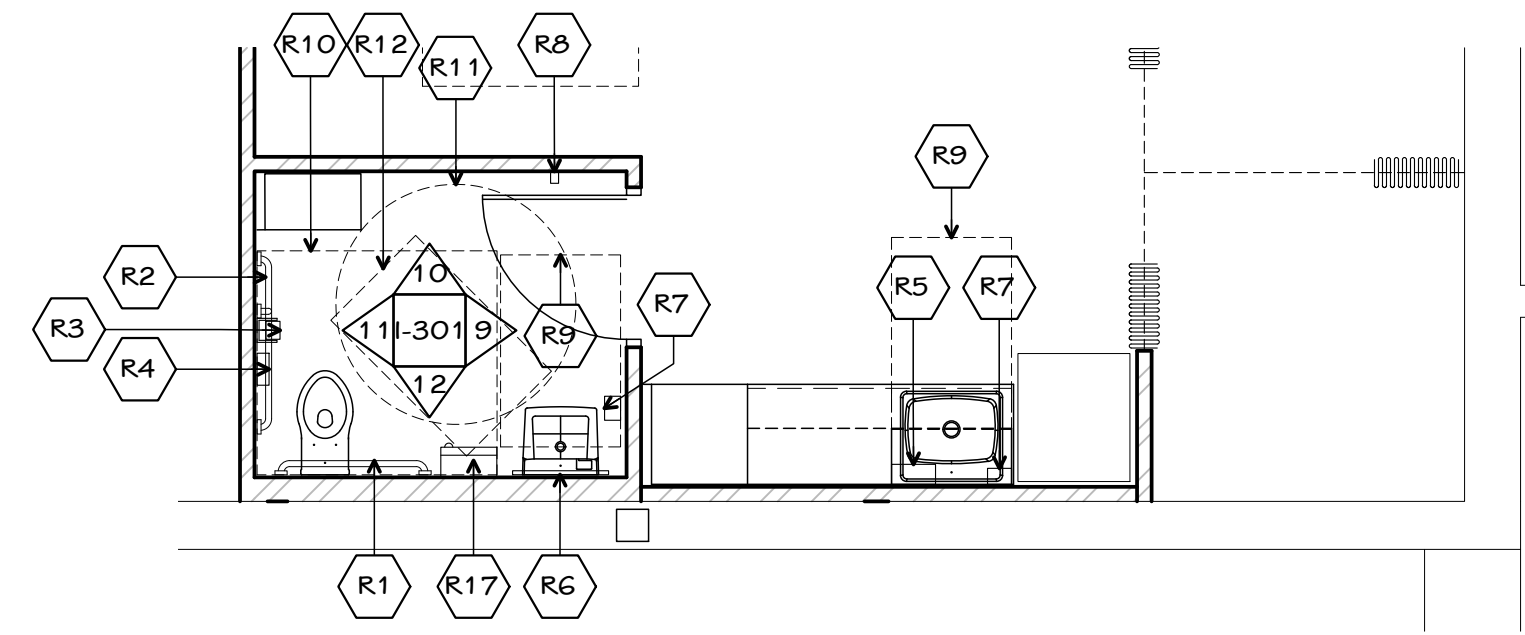
OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
DIMENSION PLAN

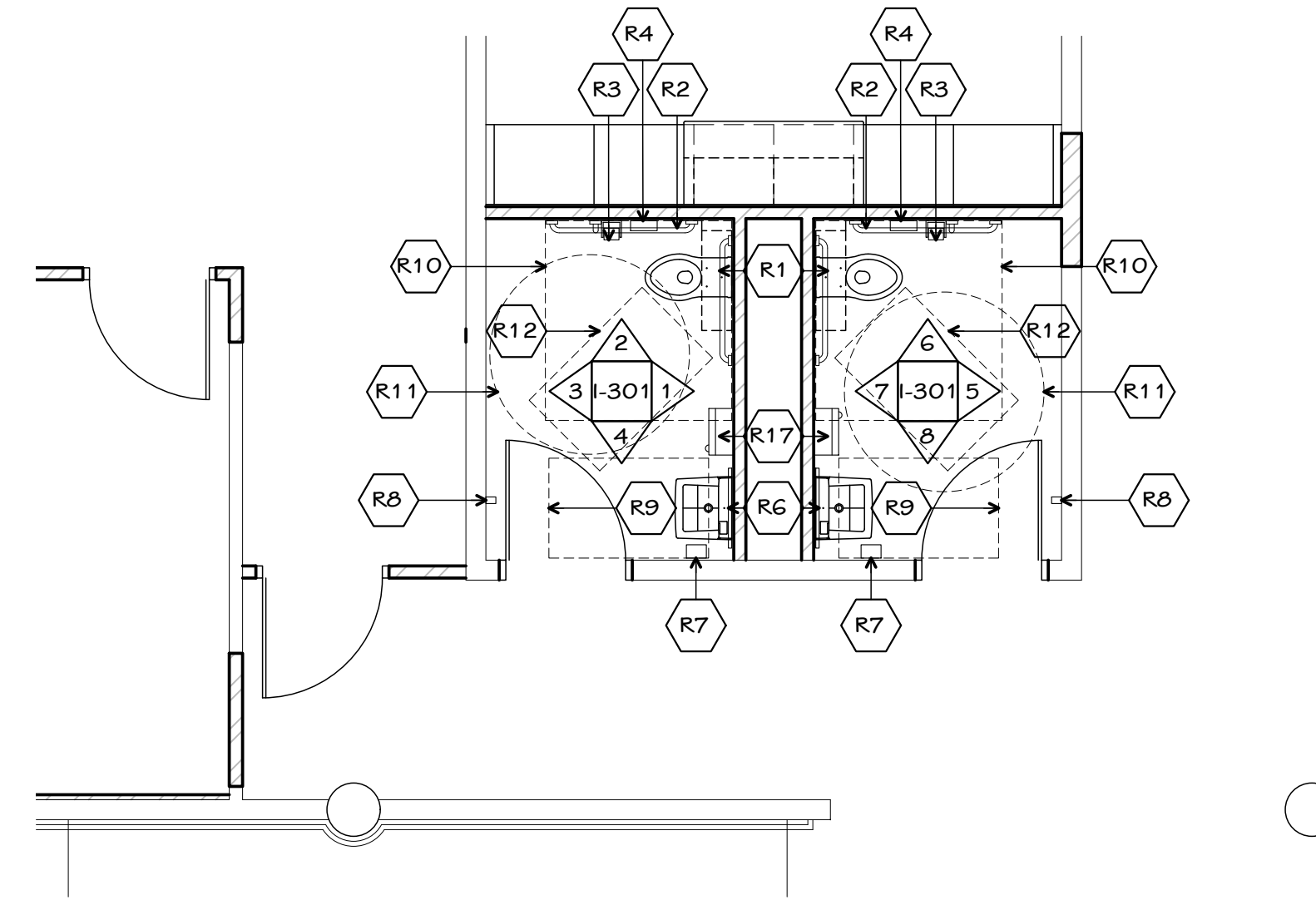
DATE  
APRIL 3, 2024  
SHEET NUMBER  
**A 201**  
23-228.001



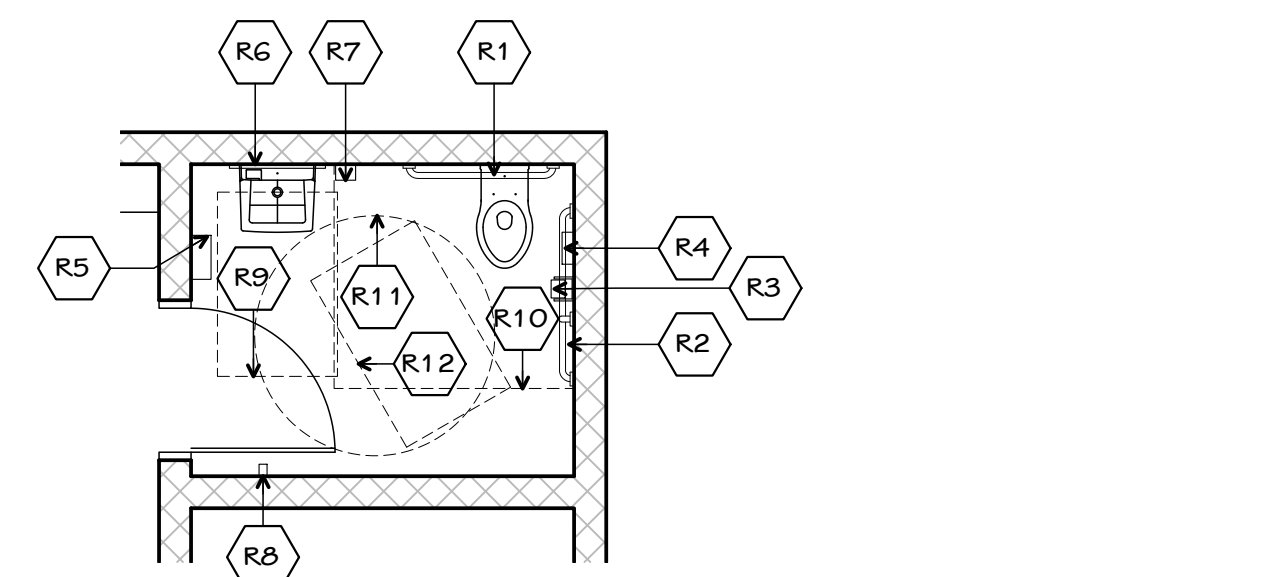
3  
A202 Staff RR 124 and 125  
Enlarged Restroom Plan  
full size plot scale: 1/4"=1'-0"



2  
A202 Clinic RR 122  
Enlarged Restroom Plan  
full size plot scale: 1/4"=1'-0"



1  
A202 Staff RR 112 and 113  
Enlarged Restroom Plan  
full size plot scale: 1/4"=1'-0"

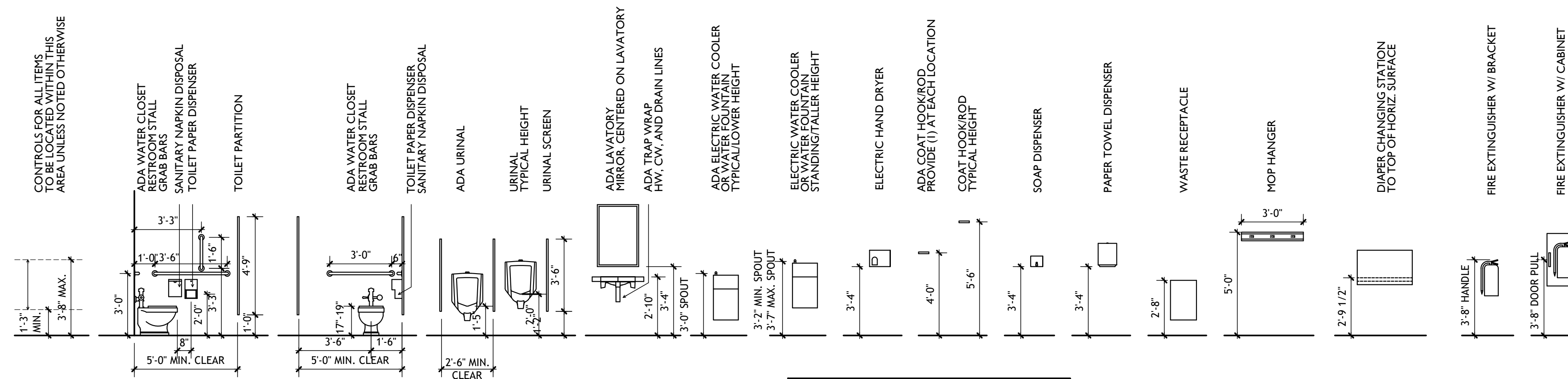


4  
A202 RR 144  
Enlarged Restroom Plan  
full size plot scale: 1/4"=1'-0"

### Restroom Keynotes

NOTE: REFER TO MOUNTING HEIGHT DETAIL FOR MOUNTING HEIGHTS

- R1 REAR WALL GRAB BAR (36" HORIZ.); SURFACE-MOUNTED; MOUNT PER ICC/ ANSI AND ADA
- R2 SIDE WALL GRAB BARS (42" HORIZ. AND 18" VERT.); SURFACE-MOUNTED; MOUNT PER ICC/ ANSI AND ADA
- R3 TOILET PAPER DISPENSER; OWNER-FURNISHED; CONTRACTOR INSTALLED SURFACE-MOUNTED; MOUNT PER ICC/ ANSI AND ADA COORDINATE WITH GRAB BARS AND SANITARY NAPKIN DISPOSAL IF APPLICABLE
- R4 SANITARY NAPKIN DISPOSAL; SURFACE-MOUNTED; MOUNT PER ICC/ ANSI AND ADA COORDINATE WITH GRAB BARS AND TOILET PAPER DISPENSER
- R5 PAPER TOWEL DISPENSER; OWNER-FURNISHED; CONTRACTOR INSTALLED; SURFACE-MOUNTED; MOUNT PER ADA; COORDINATE WITH SOAP DISPENSER
- R6 24"x36" MIRROR; SURFACE-MOUNTED; MOUNT PER ICC/ ANSI AND ADA MOUNT CENTERED ON LAVATORY
- R7 SOAP DISPENSER; OWNER-FURNISHED; CONTRACTOR INSTALLED SURFACE-MOUNTED; MOUNT PER ICC/ ANSI AND ADA COORDINATE MOUNTING WITH LAVATORY AND MIRROR
- R8 COAT HOOK; SURFACE-MOUNTED; MOUNT PER ADA; SEE SPECIFICATION 10 28 13
- R9 CLEAR FLOOR SPACE; 30"x48" SPACE AT LAVATORY OR SINK
- R10 CLEAR FLOOR SPACE; 56"x60" SPACE AT WATER CLOSET
- R11 CLEAR FLOOR SPACE; 60" DIAMETER WHEELCHAIR TURNING SPACE
- R12 CLEAR FLOOR SPACE; ADDITIONAL 30"x48" SPACE LOCATED BEYOND THE DOOR SWING
- R13 EXISTING TOILET PAPER DISPENSER.
- R14 EXISTING PAPER TOWEL DISPENSER.
- R15 EXISTING MIRROR.
- R16 EXISTING SOAP DISPENSER.
- R17 ELECTRIC HAND DRYERS; SURFACE-MOUNTED; MOUNT PER ICC/ ANSI AND ADA SEE SPECIFICATION SECTION 10 28 14



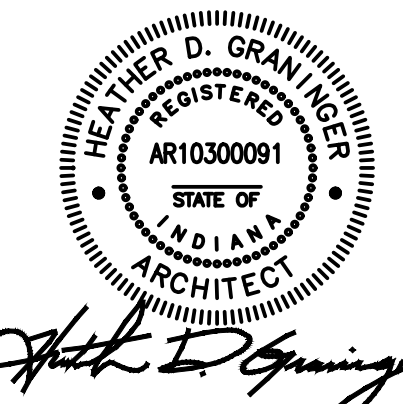
### Mounting Heights - Typical

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

NOTE: INSTALLATIONS SHALL COMPLY WITH ALL CURRENT GOVERNING CODES AND ADA REQUIREMENTS FOR MOUNTING HEIGHTS

### Notice

The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

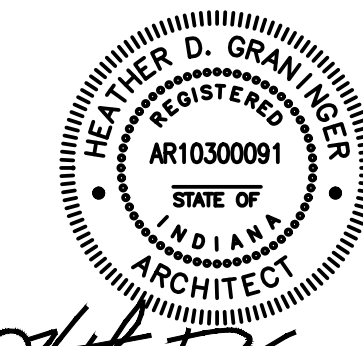


ISSUED FOR DATE  
Public Bidding 04-03-2024

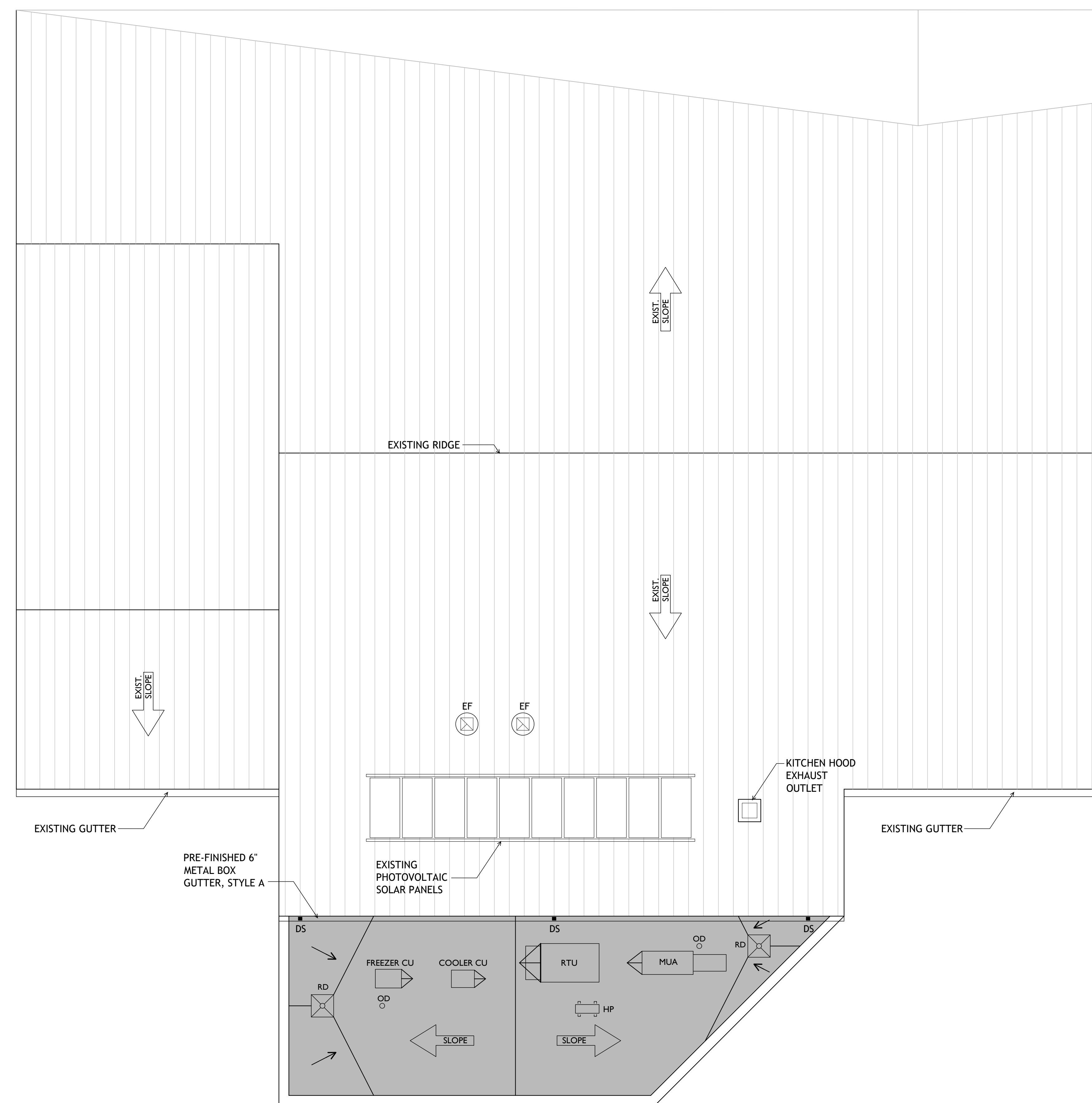
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
ENLARGED RESTROOM PLANS  
DATE  
APRIL 3, 2024  
SHEET NUMBER  
A 202  
23-228.001



*Stephen D. Graninger*  
ISSUED FOR DATE  
Public Bidding 04-03-2024



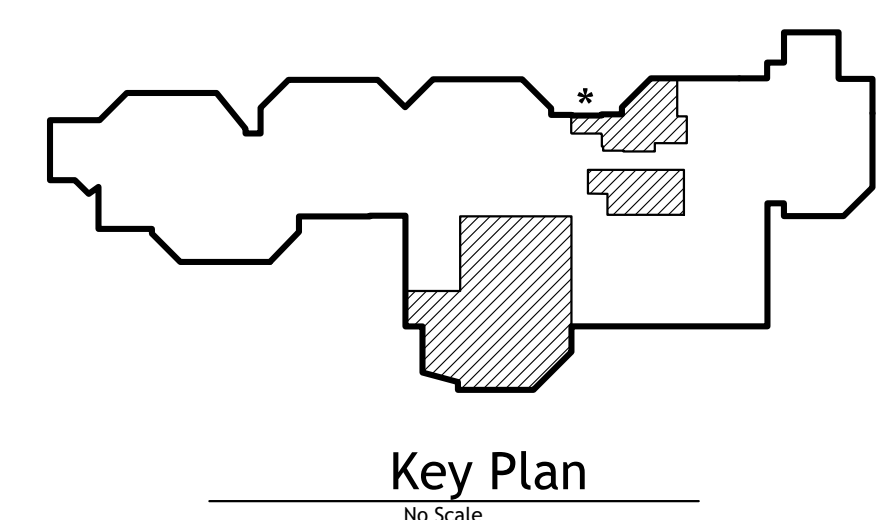
- ### Roof Plan Notes
- REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING ITEMS SHOWN ON THE ROOF PLAN.
  - REFER TO BUILDING AND WALL SECTIONS FOR ADDITIONAL INFORMATION AND COORDINATION.
  - PROVIDE TAPERED INSULATION CRICKET AT HIGH SIDE OF ALL ROOF CURBS THROUGHOUT.
  - ROOF PLANS ARE DIAGRAMMATIC IN NATURE AND ILLUSTRATE THE DESIGN INTENT OF THE WORK. NOT ALL ROOFING CONDITIONS ARE SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS.
  - SERVICE SIDES OF ALL ROOFTOP EQUIPMENT TO BE LOCATED 1'-0" MINIMUM FROM ALL ROOF EDGES.

### Roof Plan Legend

	STRUCTURAL ROOF SLOPE
	CONDENSING UNIT FOR WALK-INS (REFER TO DRAWING K303)
	PRE-FINISHED 3"x4" FLAT RECTANGULAR METAL DOWNSPOUT
	HEAT PUMP (REFER TO MECHANICAL)
	EXISTING
	MAKE-UP AIR UNIT FOR KITCHEN EXHAUST HOOD (REFER TO K400 SERIES DRAWINGS)
	ROOFTOP UNIT (SEE MECHANICAL)
	EXHAUST FAN ON ROOF CURB
	EXISTING STANDING SEAM METAL ROOF SYSTEM TO REMAIN
	SINGLE-PLY ROOF MEMBRANE

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**ROOF PLAN**  
1/8" = 1'-0"



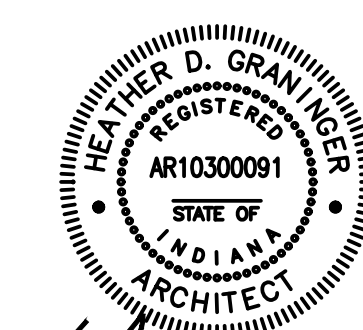
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
ROOF PLAN

DATE  
APRIL 3, 2024

SHEET NUMBER  
**A 301**  
23-228.001

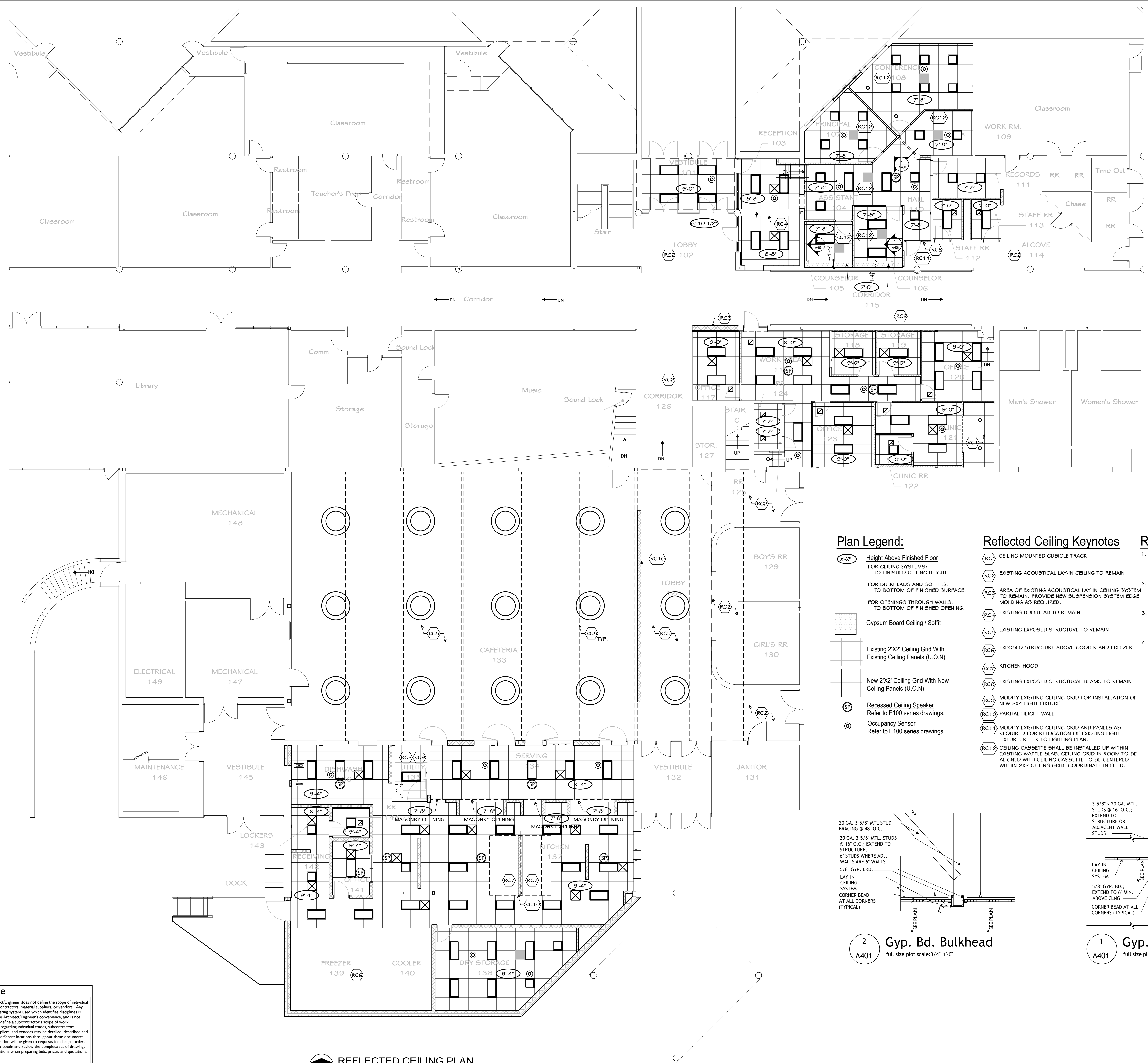


ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
REFLECTED CEILING PLAN  
DATE  
APRIL 3, 2024  
SHEET NUMBER  
A 401  
23-228.001



**Plan Legend:**

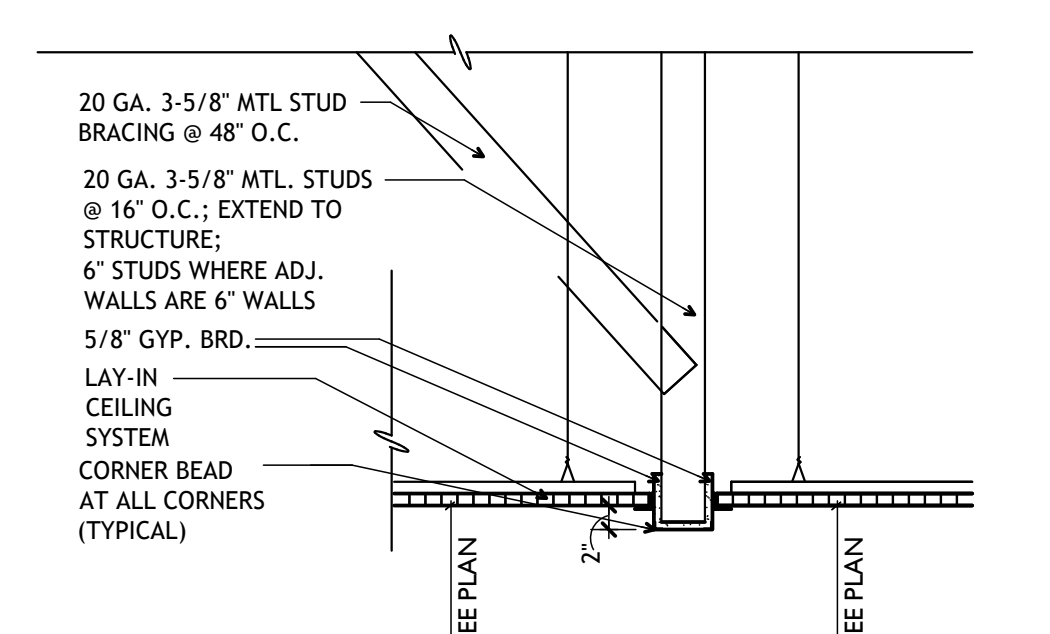
- X-X' Height Above Finished Floor  
FOR CEILING SYSTEMS:  
TO FINISHED CEILING HEIGHT.
- BULKHEAD FOR BULKHEADS AND SOFFITS:  
TO BOTTOM OF FINISHED SURFACE.
- OPENING FOR OPENINGS THROUGH WALLS:  
TO BOTTOM OF FINISHED OPENING.
- GYP Gypsum Board Ceiling / Soffit
- GRID Existing 2'x2' Ceiling Grid With Existing Ceiling Panels (U.O.N)
- NEW GRID New 2'x2' Ceiling Grid With New Ceiling Panels (U.O.N)
- SP Recessed Ceiling Speaker  
Refer to E100 series drawings.
- OS Occupancy Sensor  
Refer to E100 series drawings.

**Reflected Ceiling Keynotes**

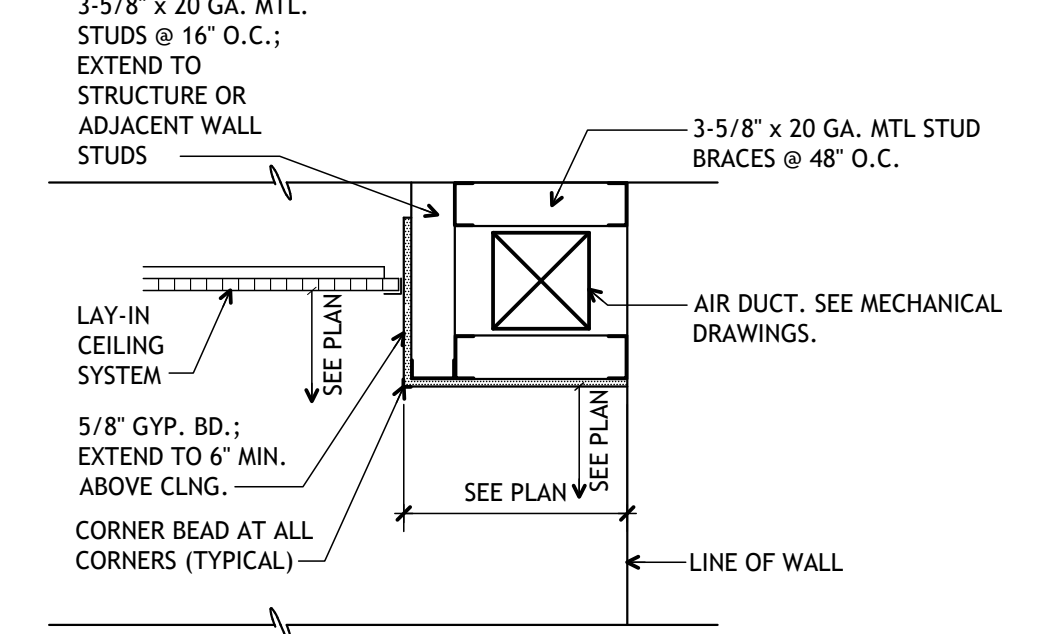
- RC1 CEILING MOUNTED CUBICLE TRACK
- RC2 EXISTING ACOUSTICAL LAY-IN CEILING TO REMAIN
- RC3 AREA OF EXISTING ACOUSTICAL LAY-IN CEILING SYSTEM TO REMAIN. PROVIDE NEW SUSPENSION SYSTEM EDGE MOLDING AS REQUIRED.
- RC4 EXISTING BULKHEAD TO REMAIN
- RC5 EXISTING EXPOSED STRUCTURE TO REMAIN
- RC6 EXPOSED STRUCTURE ABOVE COOLER AND FREEZER
- RC7 KITCHEN HOOD
- RC8 EXISTING EXPOSED STRUCTURAL BEAMS TO REMAIN
- RC9 MODIFY EXISTING CEILING GRID FOR INSTALLATION OF NEW 2x4 LIGHT FIXTURE
- RC10 PARTIAL HEIGHT WALL
- RC11 MODIFY EXISTING CEILING GRID AND PANELS AS REQUIRED FOR RELOCATION OF EXISTING LIGHT FIXTURE. REFER TO LIGHTING PLAN.
- RC12 CEILING CASSETTE SHALL BE INSTALLED UP WITHIN EXISTING WAFFLE SLAB. CEILING GRID IN ROOM TO BE ALIGNED WITH CEILING CASSETTE TO BE CENTERED WITHIN 2X2 CEILING GRID. COORDINATE IN FIELD.

**Reflected Ceiling Notes**

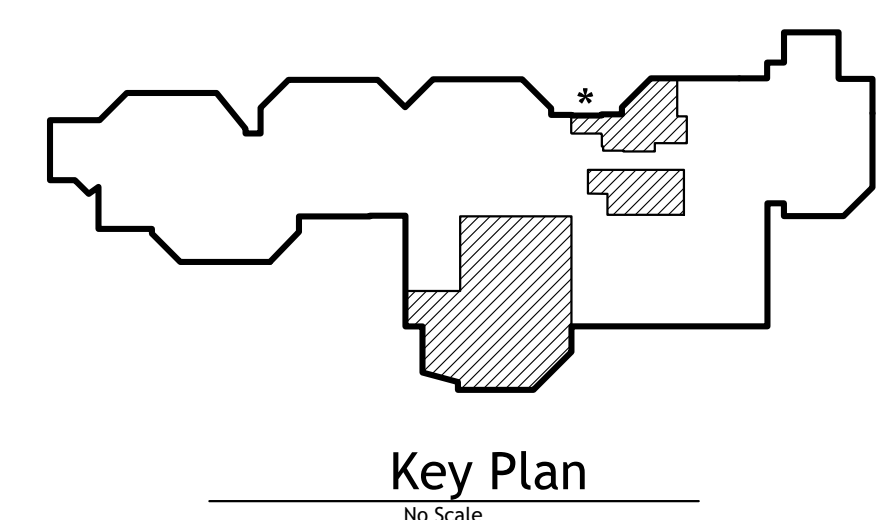
1. REFER TO MECHANICAL, ELECTRICAL AND EQUIPMENT DRAWINGS FOR CLARIFICATION OF SYMBOLS USED ON THE REFLECTED CEILING PLAN TO ILLUSTRATE LAYOUT OF ITEMS WITHIN CEILING SYSTEM.
2. ALL CEILING HEIGHTS ARE TO BE AS NOTED. COORDINATE THIS FINISHED CEILING HEIGHT WITH ALL OTHER TRADES, AND WITH ALL MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT AND ITEMS ABOVE CEILING.
3. UNLESS SPECIFICALLY DIRECTED OTHERWISE, LOCATE ALL GRILLES, REGISTERS, DIFFUSERS, FIXTURES, OR OTHER SUCH EQUIPMENT FLUSH WITH CEILING SURFACE AND CENTERED ON TILE.
4. SEE FINISH PLAN FOR TYPE AND STYLE OF CEILING SYSTEMS.



**2 Gyp. Bd. Bulkhead**  
A401 full size plot scale: 3/4"=1'-0"

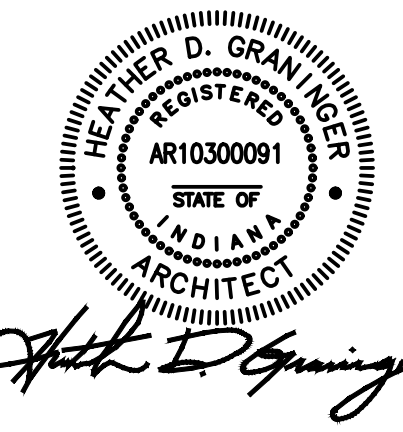


**1 Gyp. Bd. Soffit**  
A401 full size plot scale: 3/4"=1'-0"



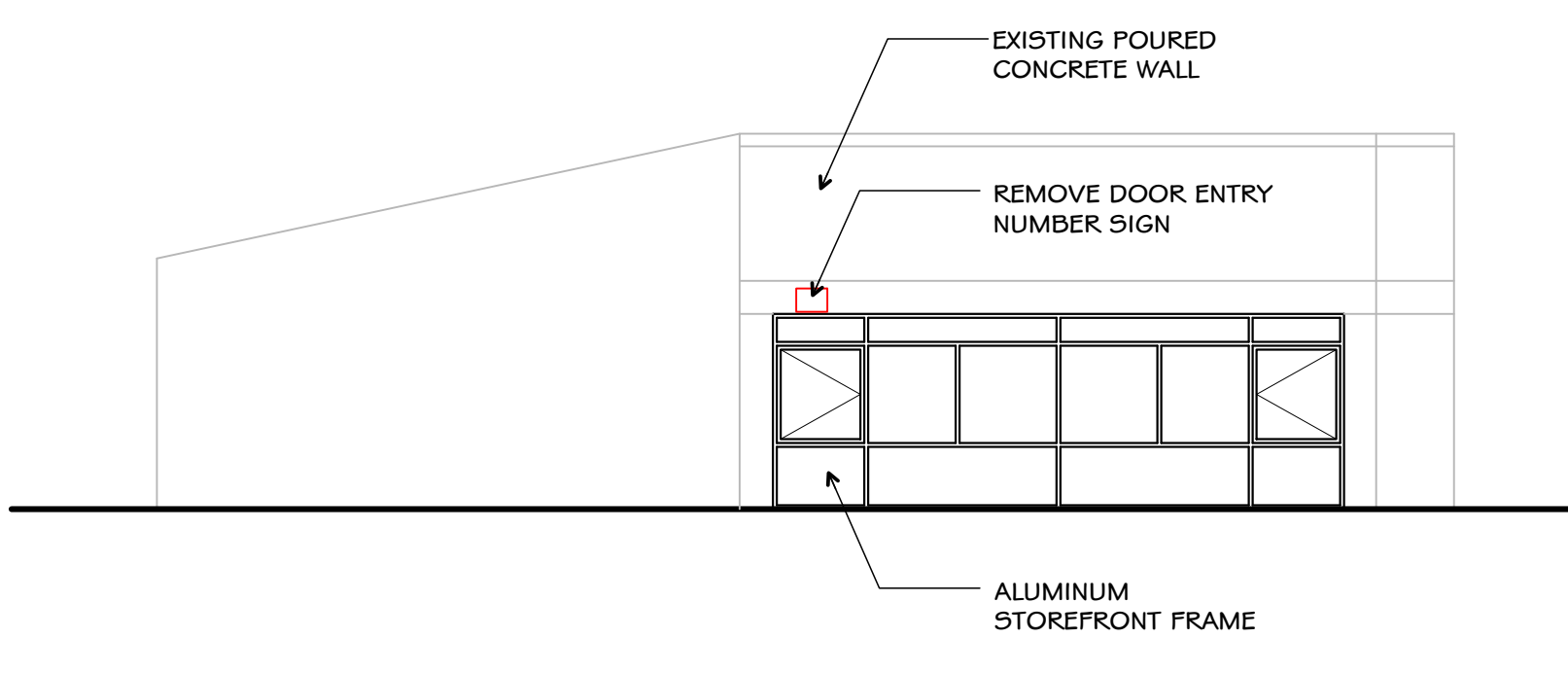
**Key Plan**  
No Scale

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and questions.



*Matthew D. Graninger*

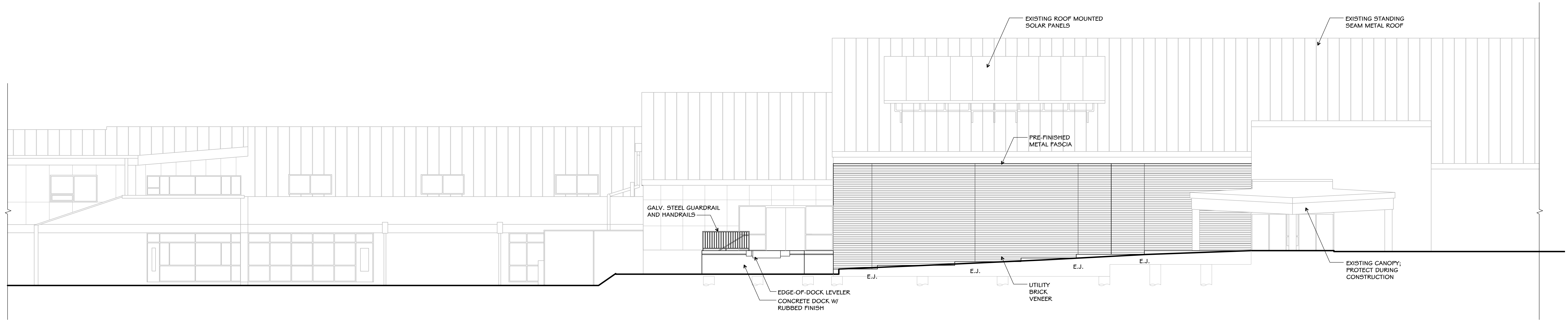
ISSUED FOR: Public Bidding  
DATE: 04-03-2024



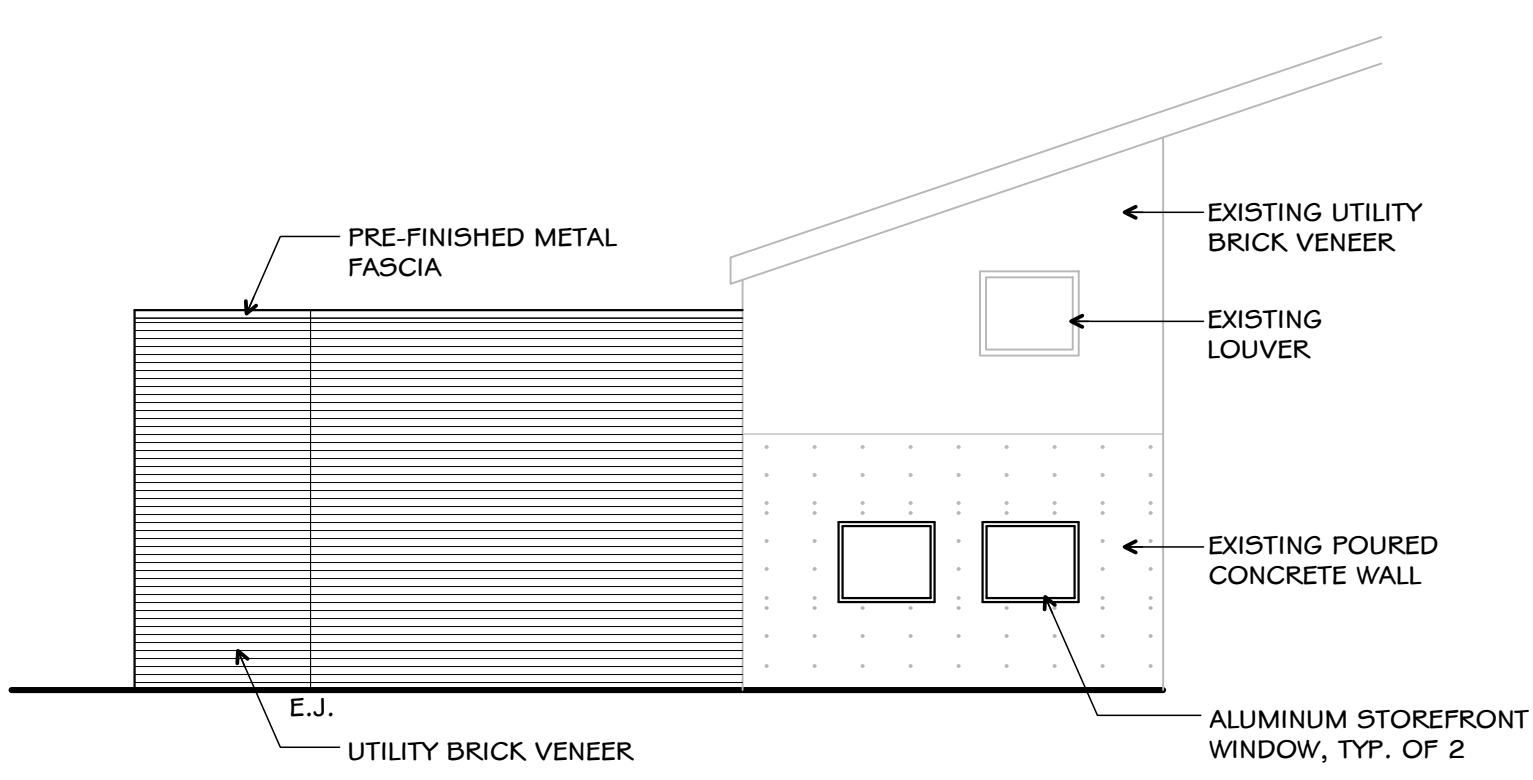
**2 Partial NW Elevation**  
A501 full size plot scale: 1/8"=1'-0"  
0 4'-0" 8'-0"



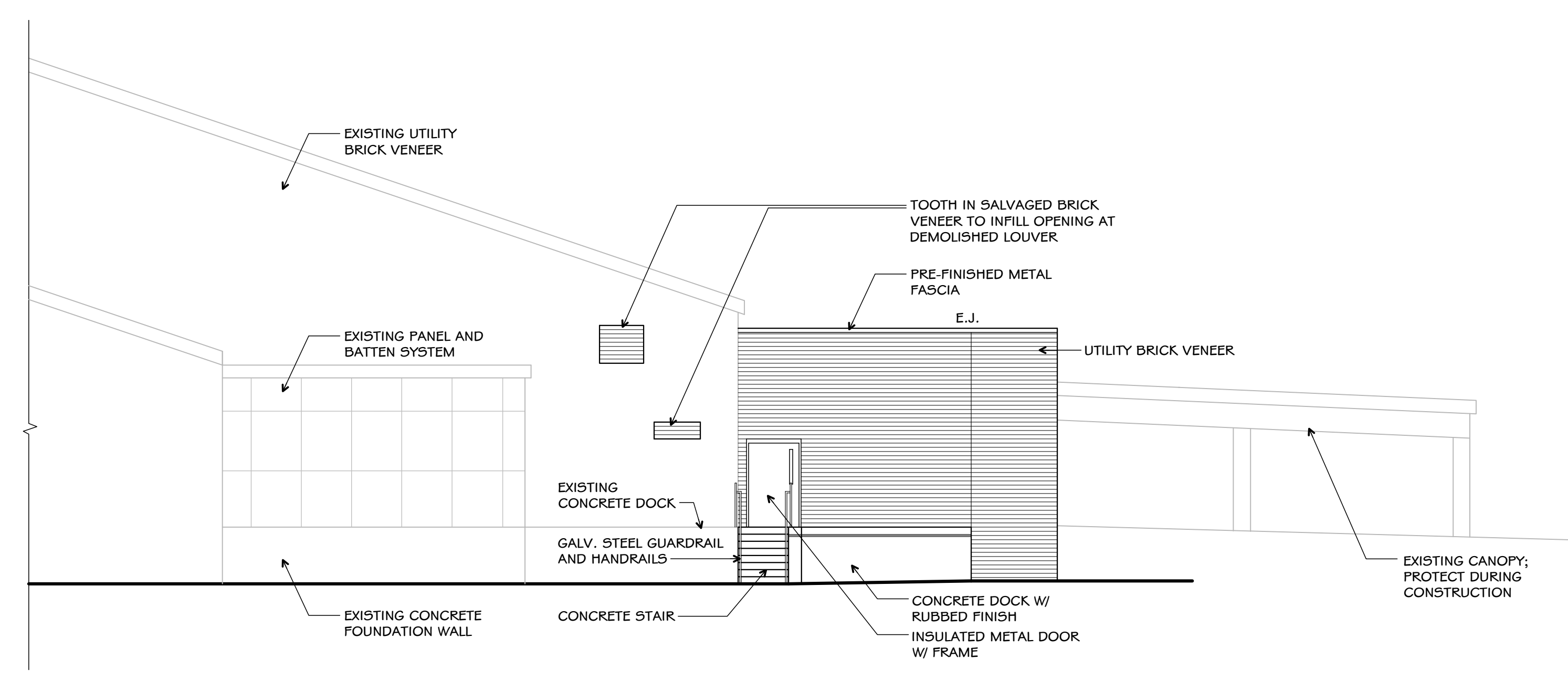
**1 Partial North Elevation**  
A501 full size plot scale: 1/8"=1'-0"  
0 4'-0" 8'-0"



**3 Partial South Elevation**  
A501 full size plot scale: 1/8"=1'-0"  
0 4'-0" 8'-0"



**5 Partial West Elevation**  
A501 full size plot scale: 1/8"=1'-0"  
0 4'-0" 8'-0"



**4 Partial East Elevation**  
A501 full size plot scale: 1/8"=1'-0"  
0 4'-0" 8'-0"

**NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING**

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**NOTE: EXISTING CANOPY NOT SHOWN FOR CLARITY.**

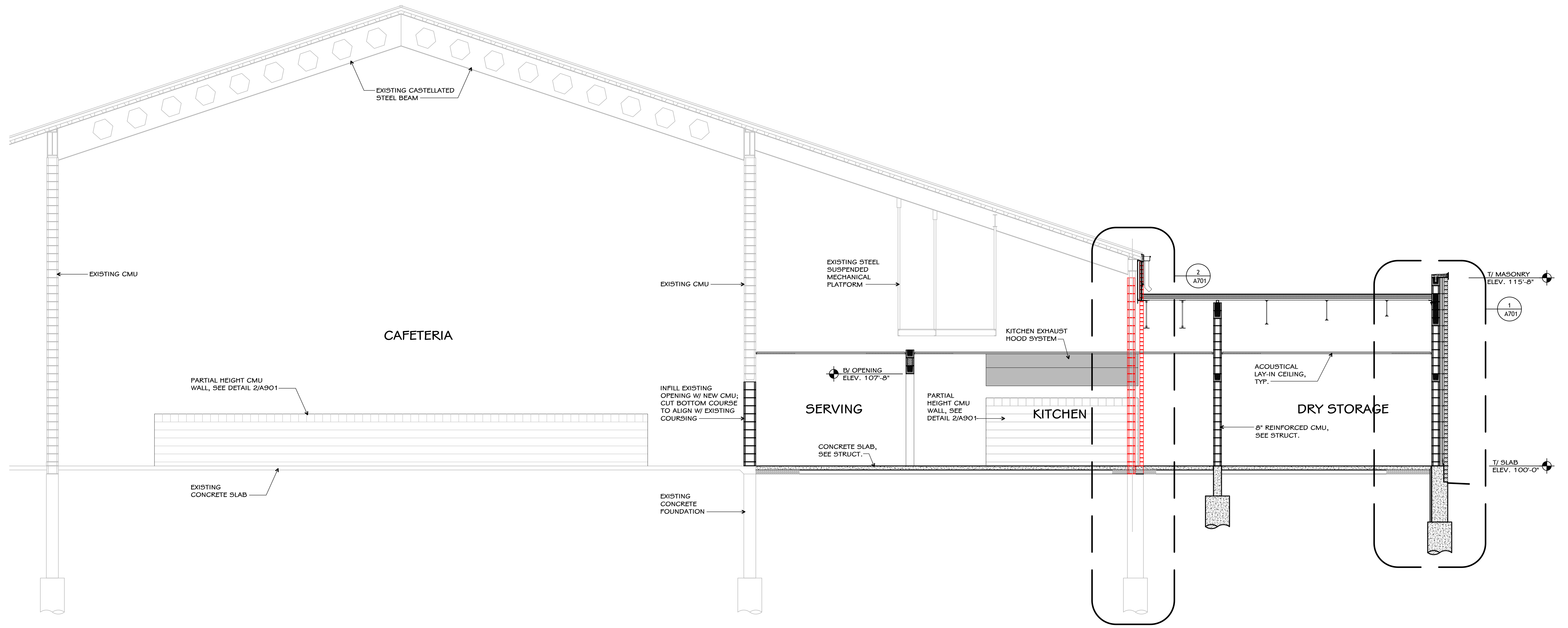
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

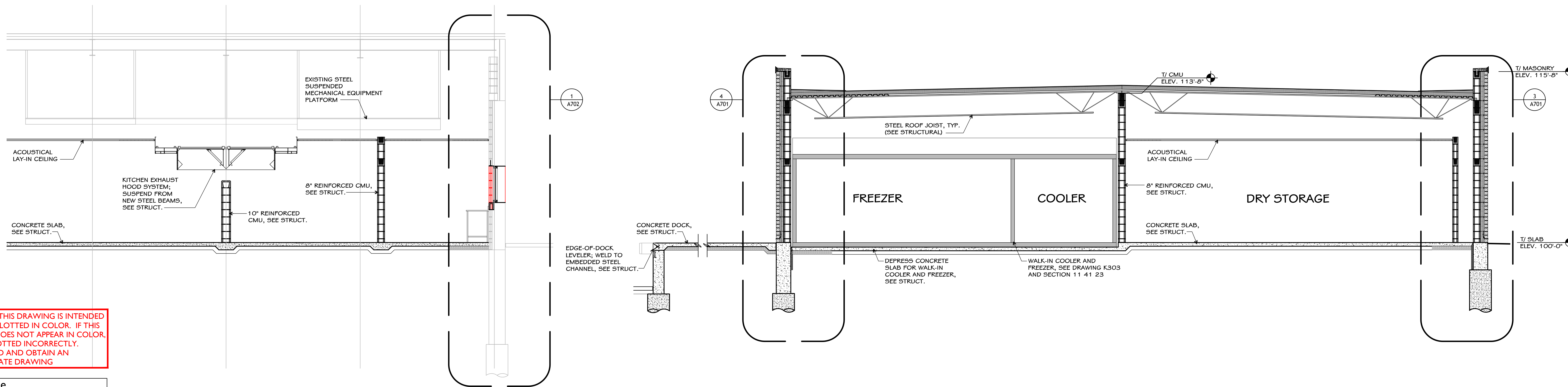
SHEET TITLE  
EXTERIOR ELEVATIONS

DATE  
APRIL 3, 2024

SHEET NUMBER  
**A 501**  
23-228.001



**1 Building Section**  
 A601 full size plot scale: 1/4"=1'-0" 0 2'-0" 4'-0"

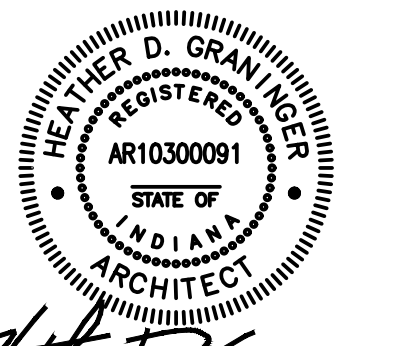


**3 Building Section**  
 A601 full size plot scale: 1/4"=1'-0" 0 2'-0" 4'-0"

**2 Building Section**  
 A601 full size plot scale: 1/4"=1'-0" 0 2'-0" 4'-0"

**NOTE:** THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

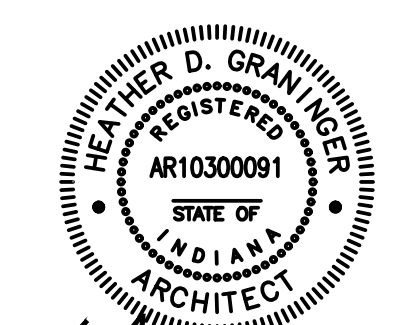
**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



ISSUED FOR: Public Bidding  
 DATE: 04-03-2024

PROJECT TITLE  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITION AND  
 RENOVATIONS

OWNER  
 NORTH HARRISON  
 COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, INDIANA 47166



HEATHER D. GRANTHAM  
REGISTERED PROFESSIONAL ARCHITECT  
STATE OF INDIANA  
NO. AR10300091

ISSUED FOR DATE  
Public Bidding 04-03-2024

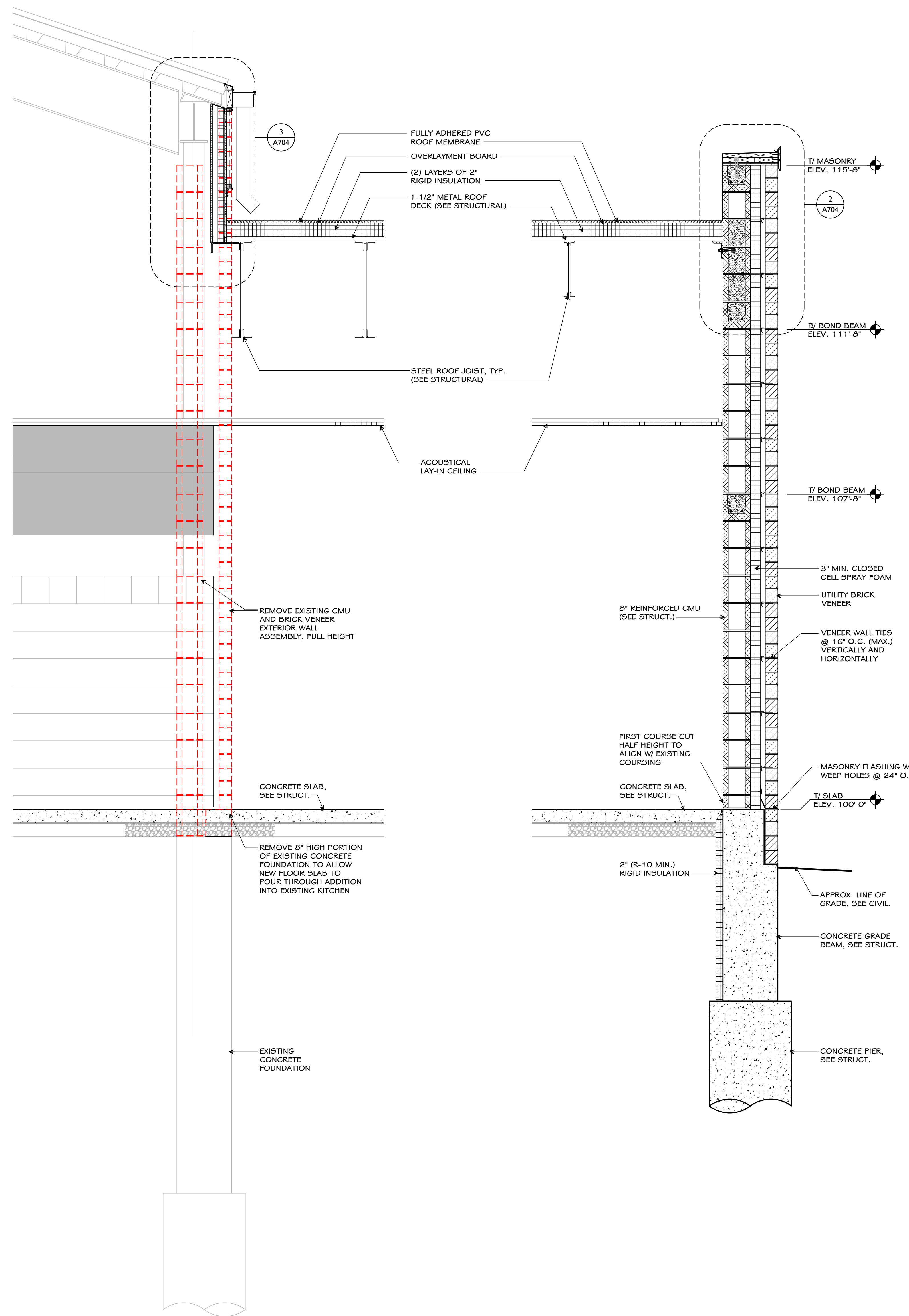
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

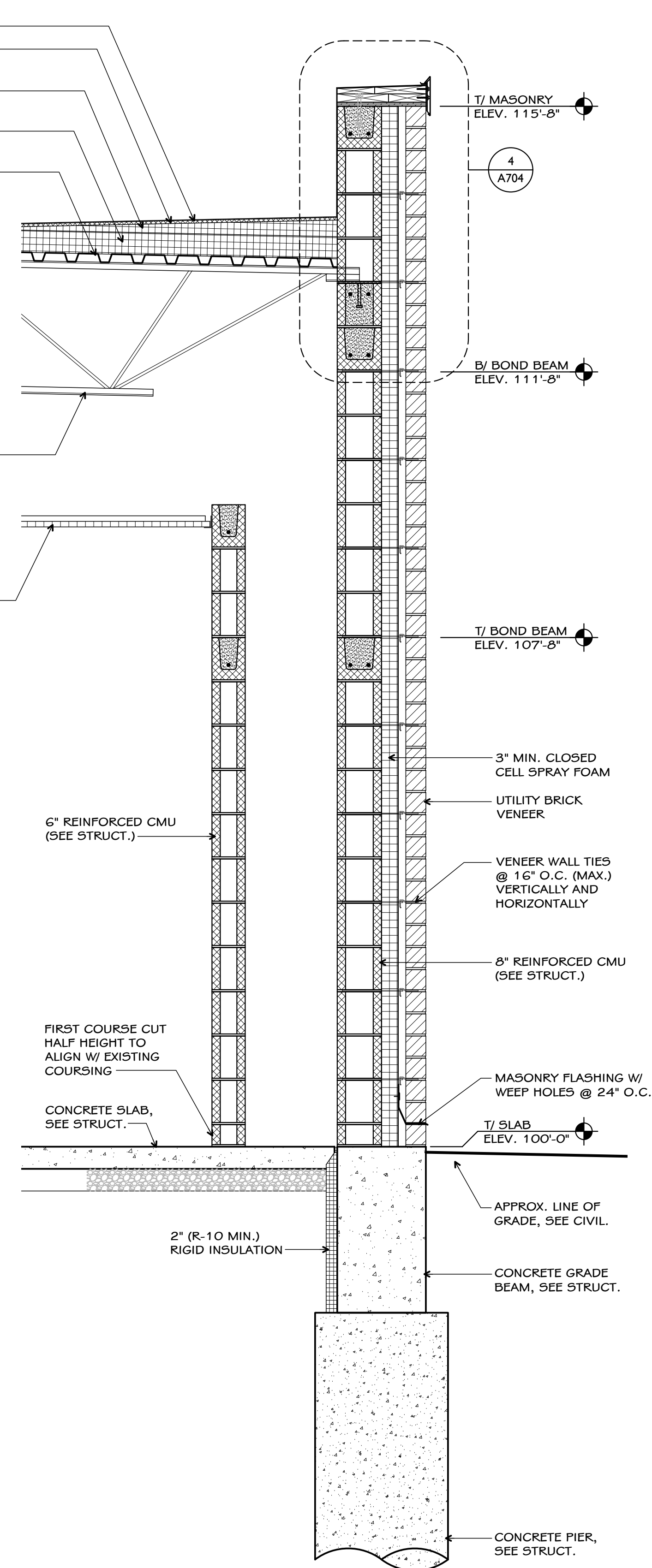
SHEET TITLE  
WALL SECTIONS

DATE  
APRIL 3, 2024

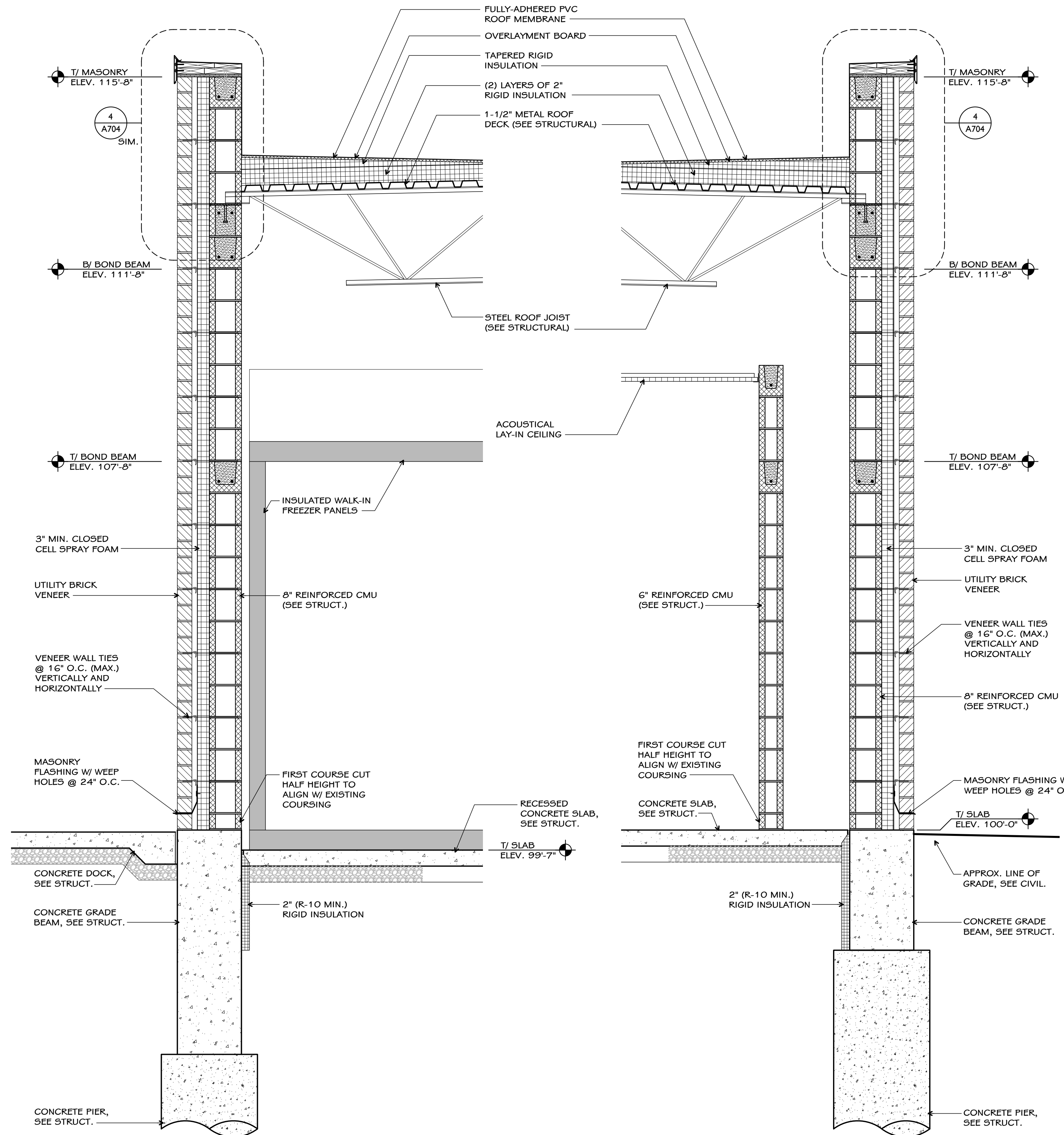
SHEET NUMBER  
A701  
23-228.001



1 WALL SECTION  
A701 full size plot scale: 3/4"=1'-0"



2 WALL SECTION  
A701 full size plot scale: 3/4"=1'-0"



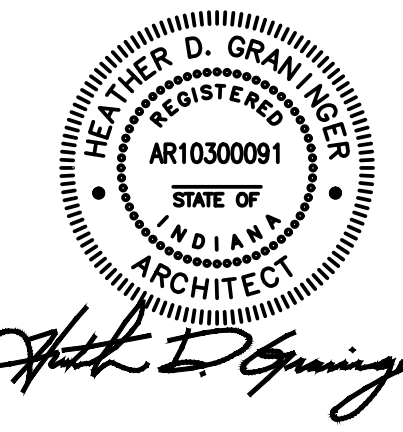
3 WALL SECTION  
A701 full size plot scale: 3/4"=1'-0"

NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for future to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

4 WALL SECTION  
A701 full size plot scale: 3/4"=1'-0"





ISSUED FOR DATE  
Public Bidding 04-03-2024

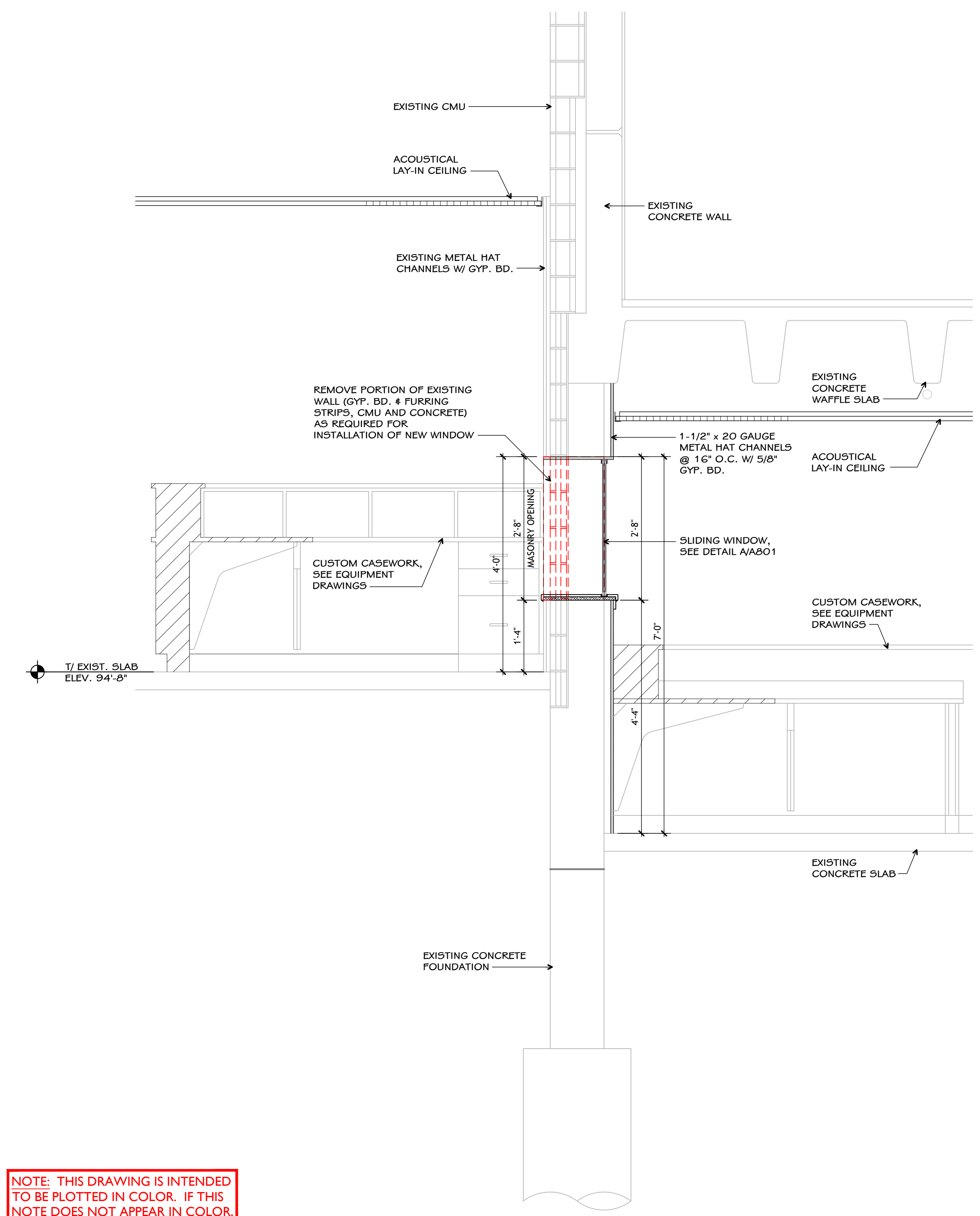
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

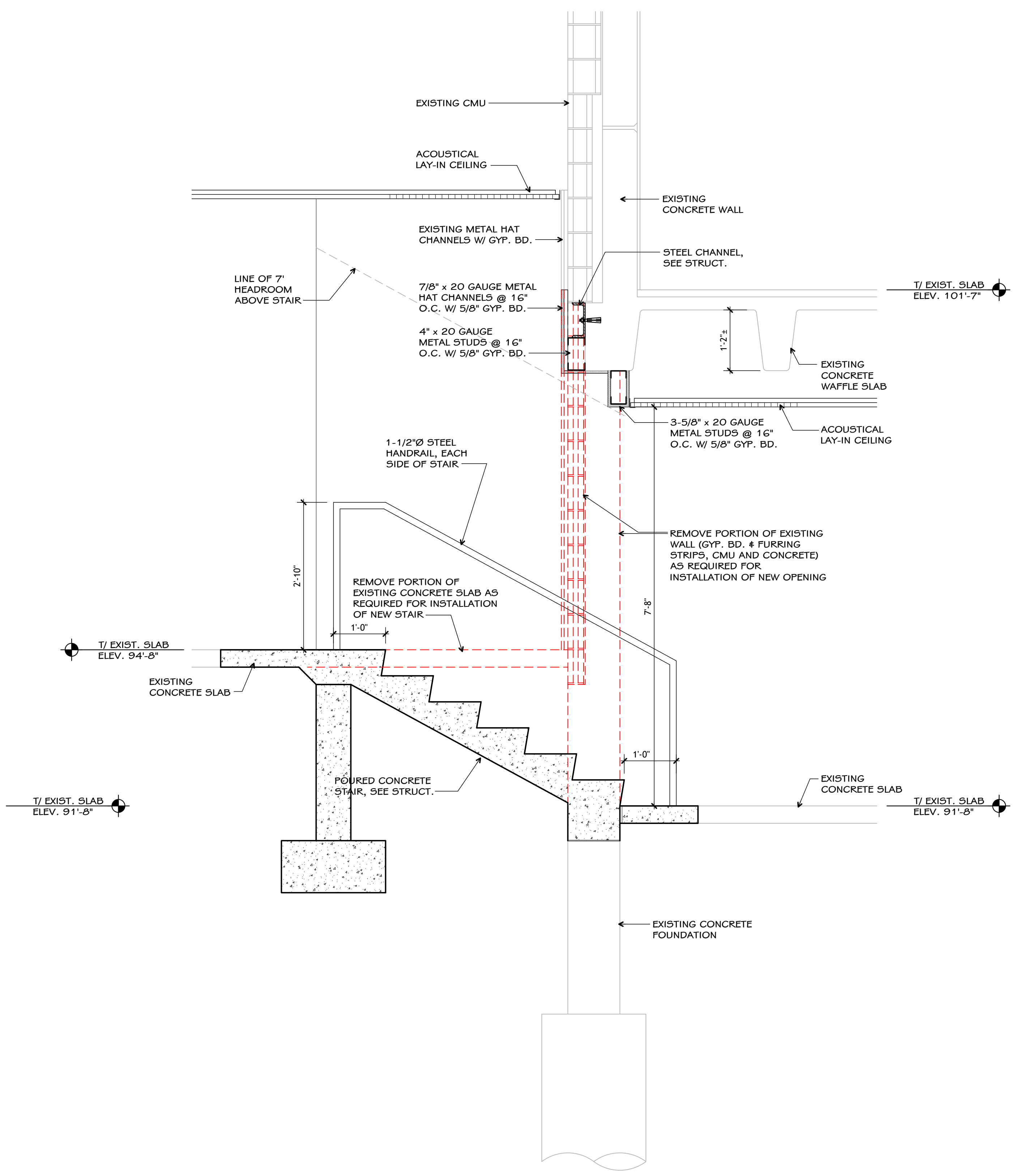
SHEET TITLE  
WALL SECTIONS

DATE  
APRIL 3, 2024

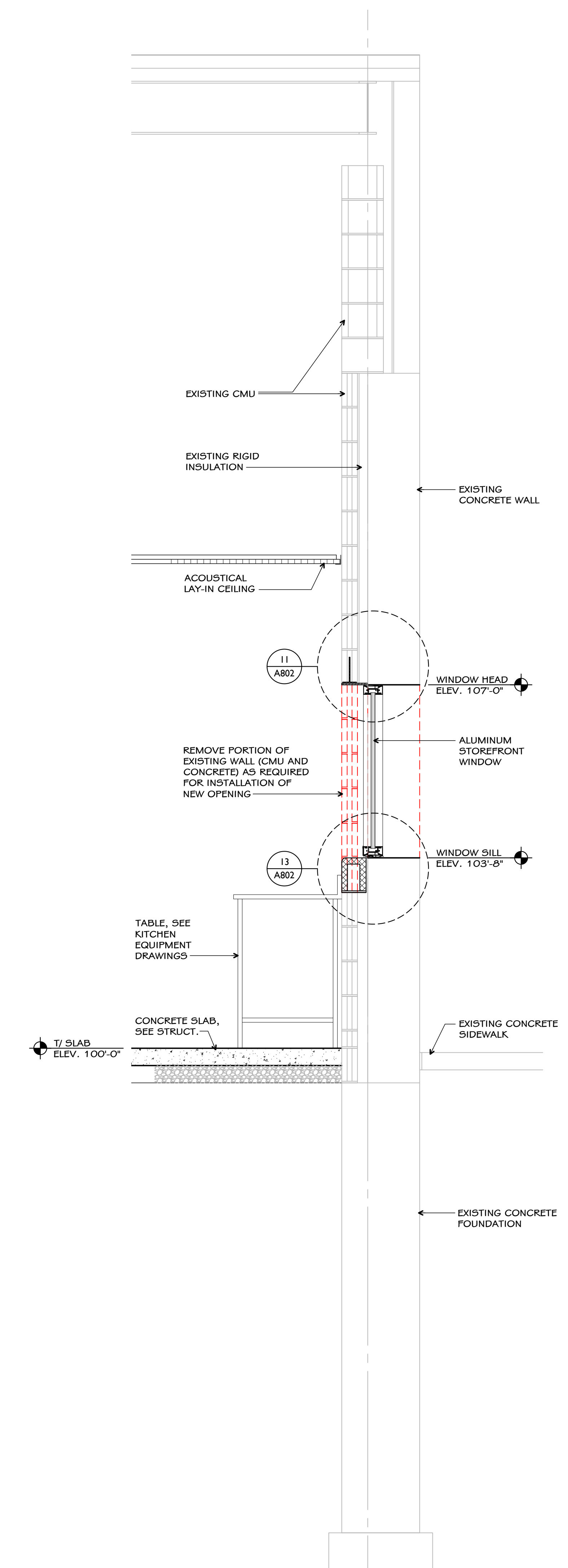
SHEET NUMBER  
**A 702**  
23-228.001



**3 WALL SECTION**  
A702 full size plot scale: 3/4"=1'-0"



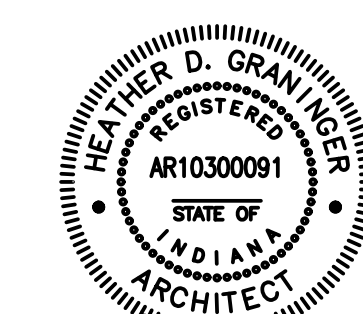
**2 WALL SECTION**  
A702 full size plot scale: 3/4"=1'-0"



**1 WALL SECTION**  
A702 full size plot scale: 3/4"=1'-0"

**NOTE:** THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for future to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



*Andrew D. Grantham*  
ARCHITECT

ISSUED FOR DATE  
Public Bidding 04-03-2024

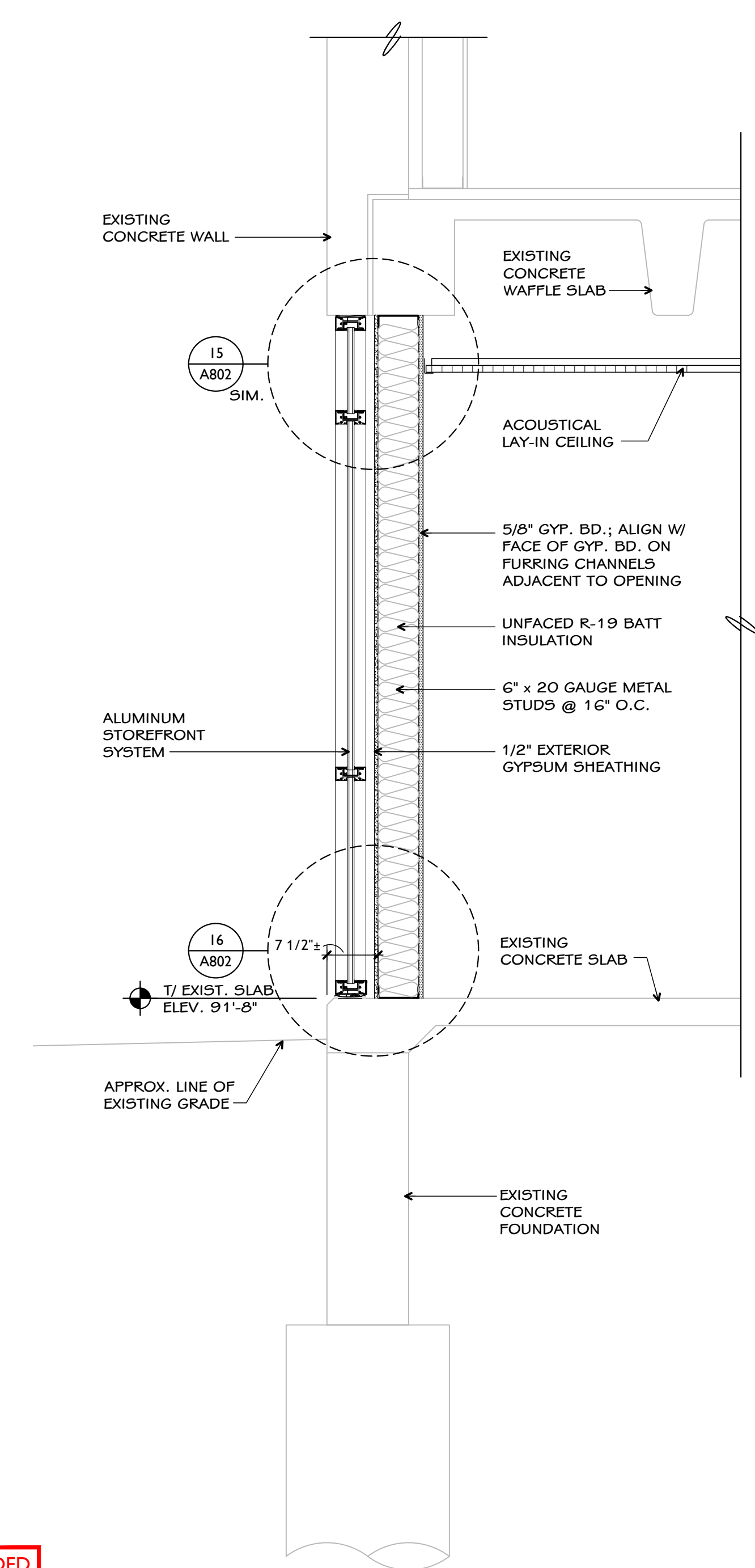
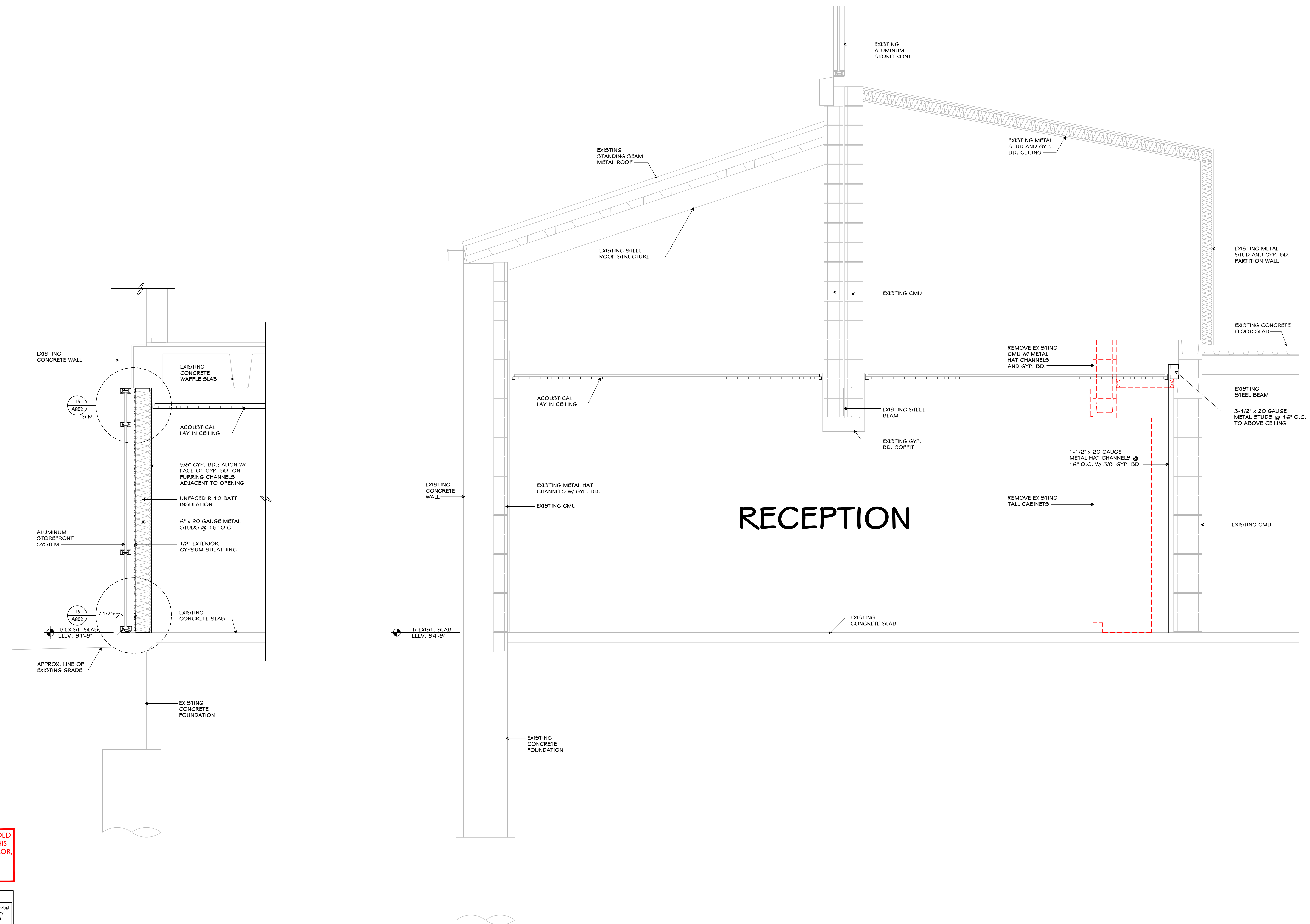
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
WALL SECTIONS

DATE  
APRIL 3, 2024

SHEET NUMBER  
**A 703**  
23-228.001

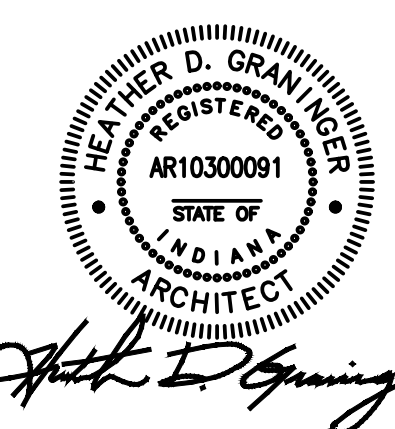


**2 WALL SECTION**  
A703 full size plot scale: 3/4"=1'-0"

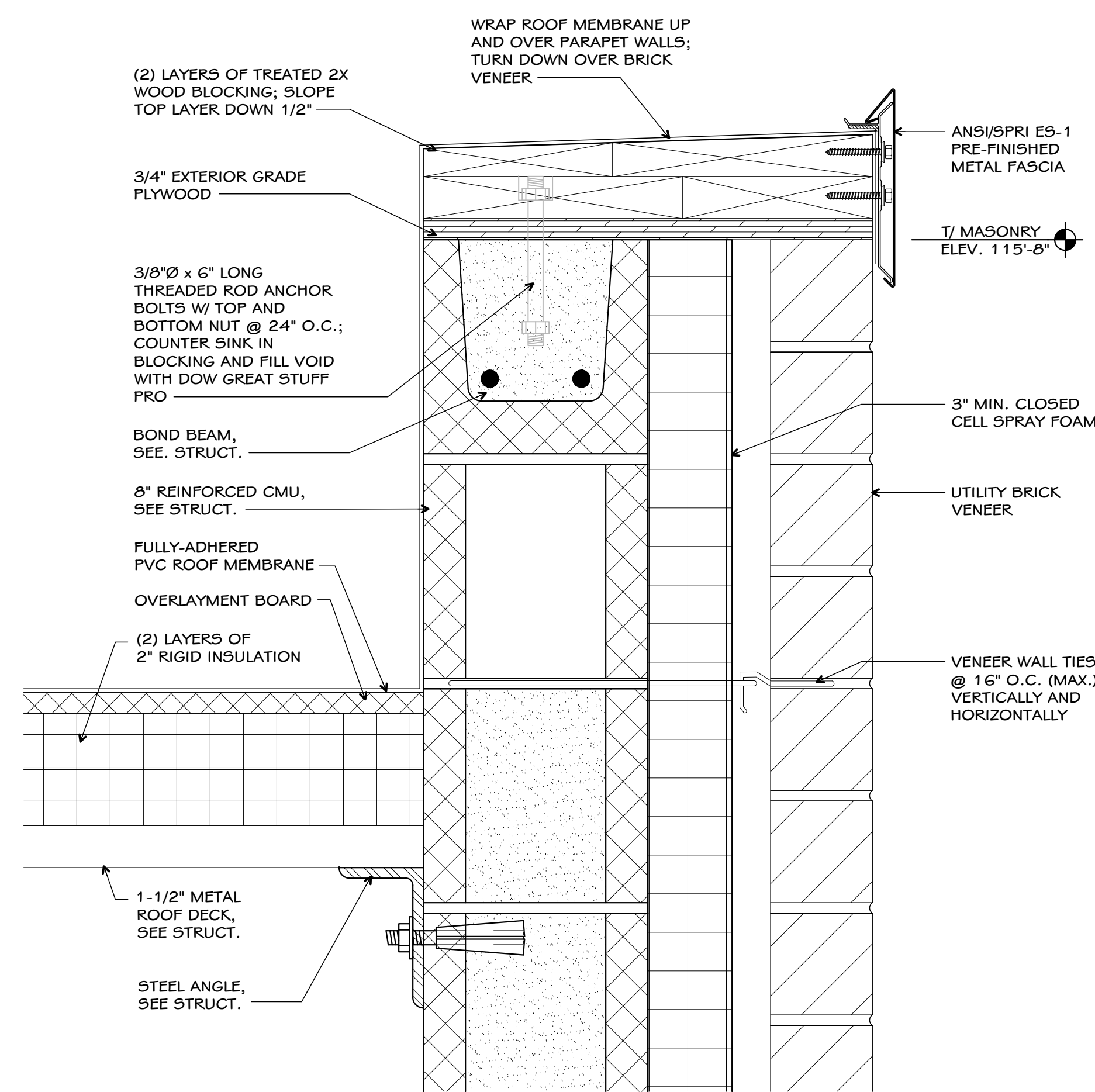
**1 WALL SECTION**  
A703 full size plot scale: 3/4"=1'-0"

**NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING**

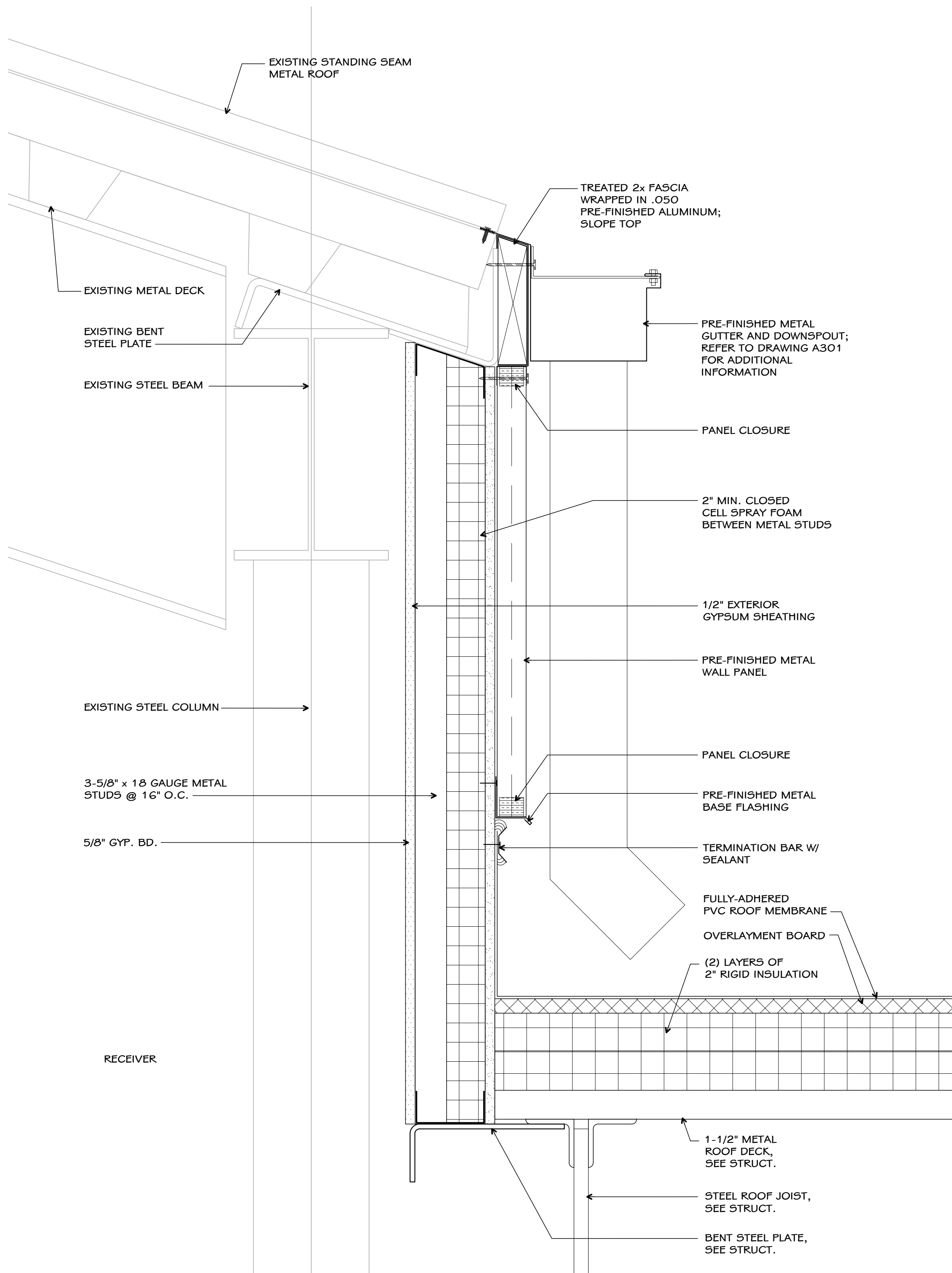
**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for future to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



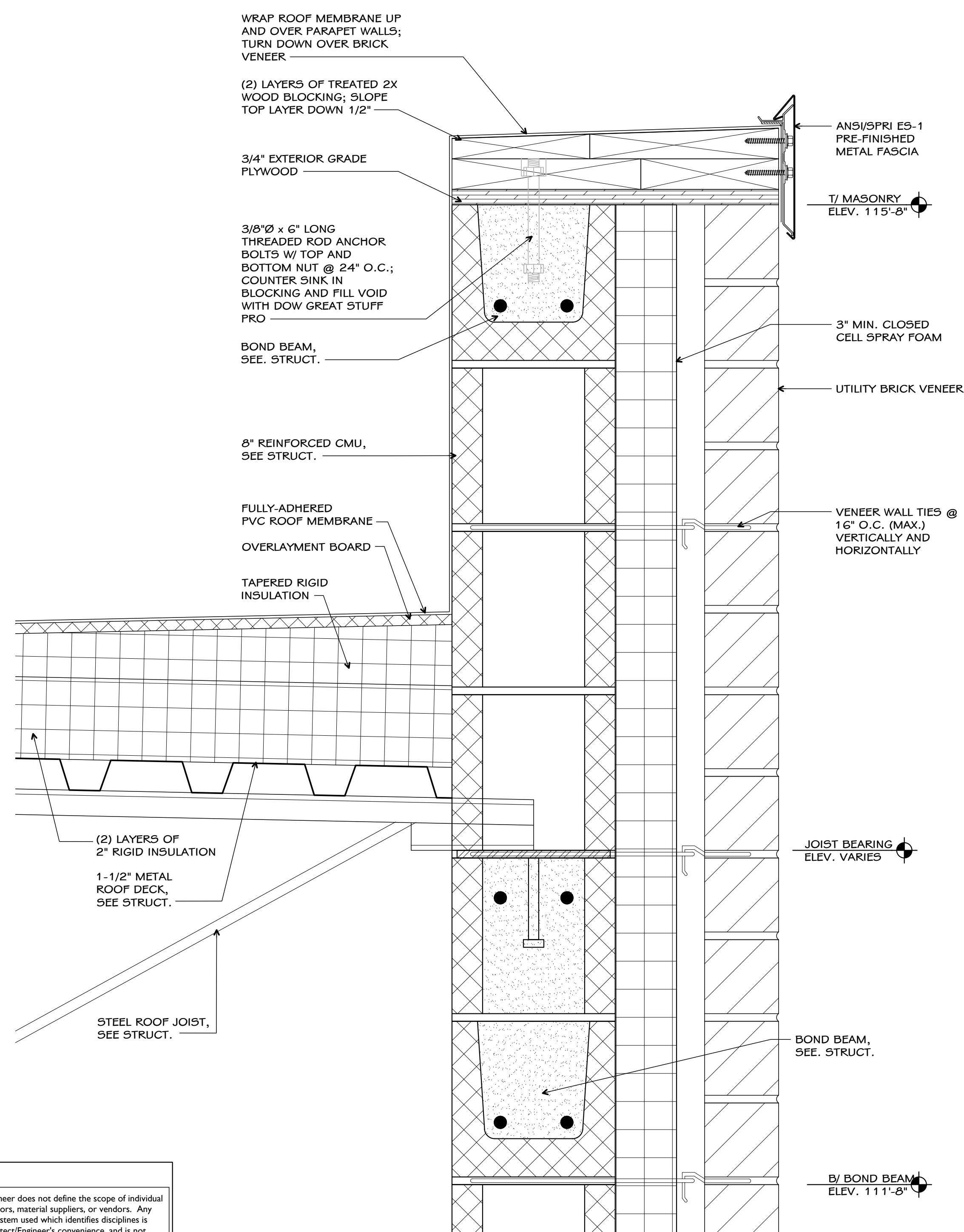
ISSUED FOR DATE  
Public Bidding 04-03-2024



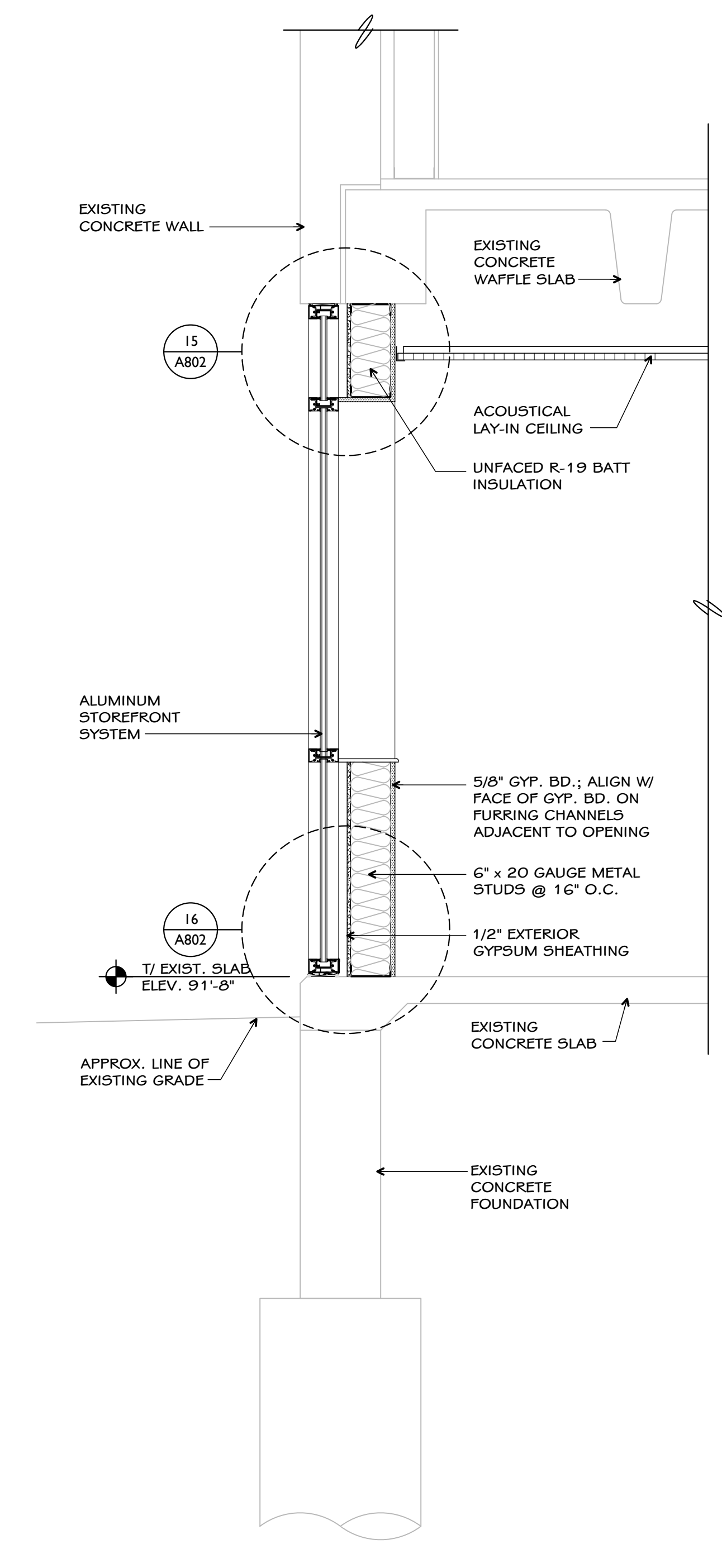
**2 PARAPET DETAIL**  
A704 full size plot scale: 3\"/>



**3 EAVE DETAIL**  
A704 full size plot scale: 3\"/>



**4 PARAPET DETAIL**  
A704 full size plot scale: 3\"/>



**1 WALL SECTION**  
A704 full size plot scale: 3/4\"/>

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for future to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

PROJECT TITLE  
**NORTH HARRISON  
ELEMENTARY SCHOOL**

OWNER  
**NORTH HARRISON  
COMMUNITY SCHOOLS**

SHEET TITLE  
**WALL SECTIONS AND DETAILS**

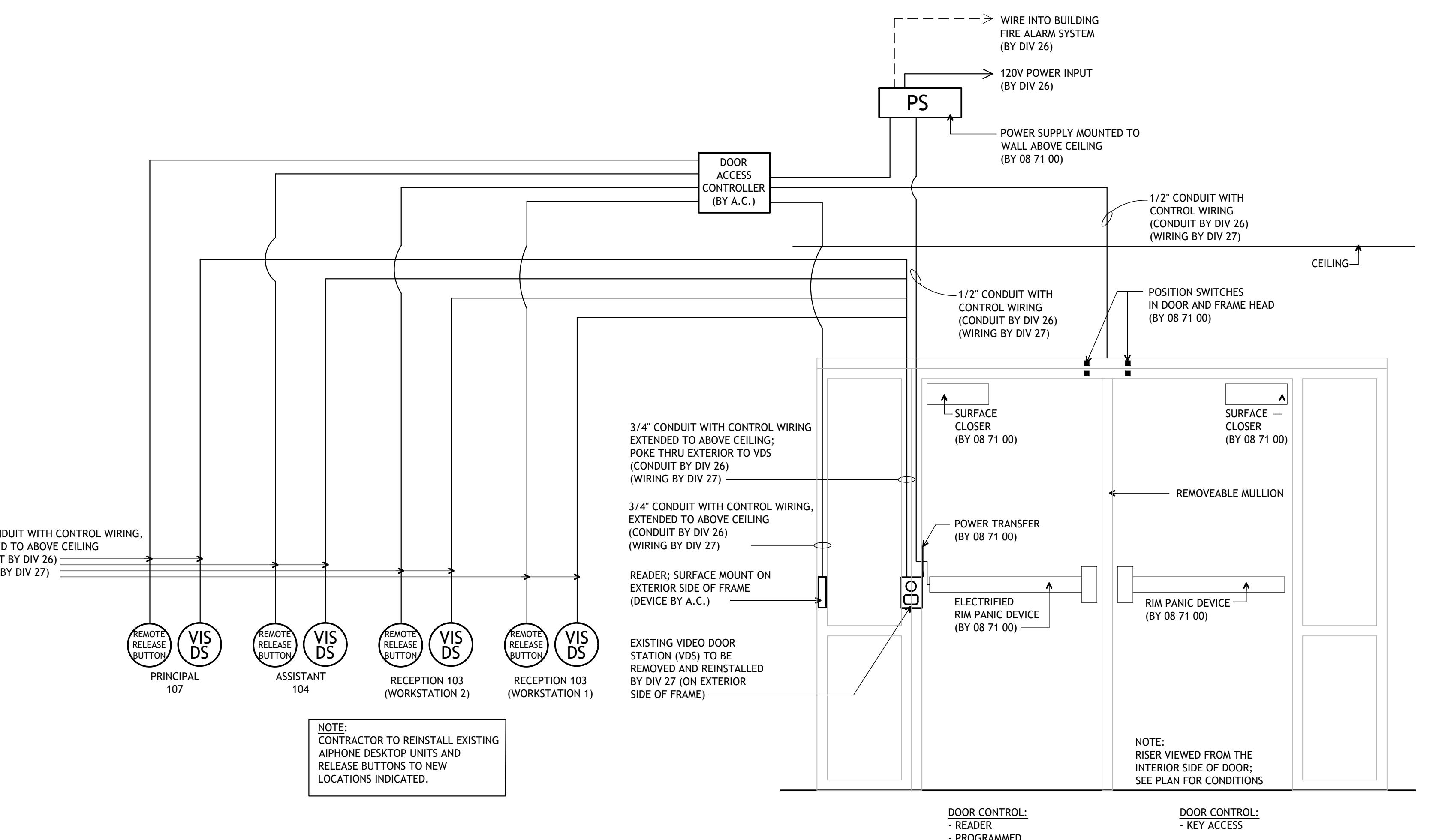
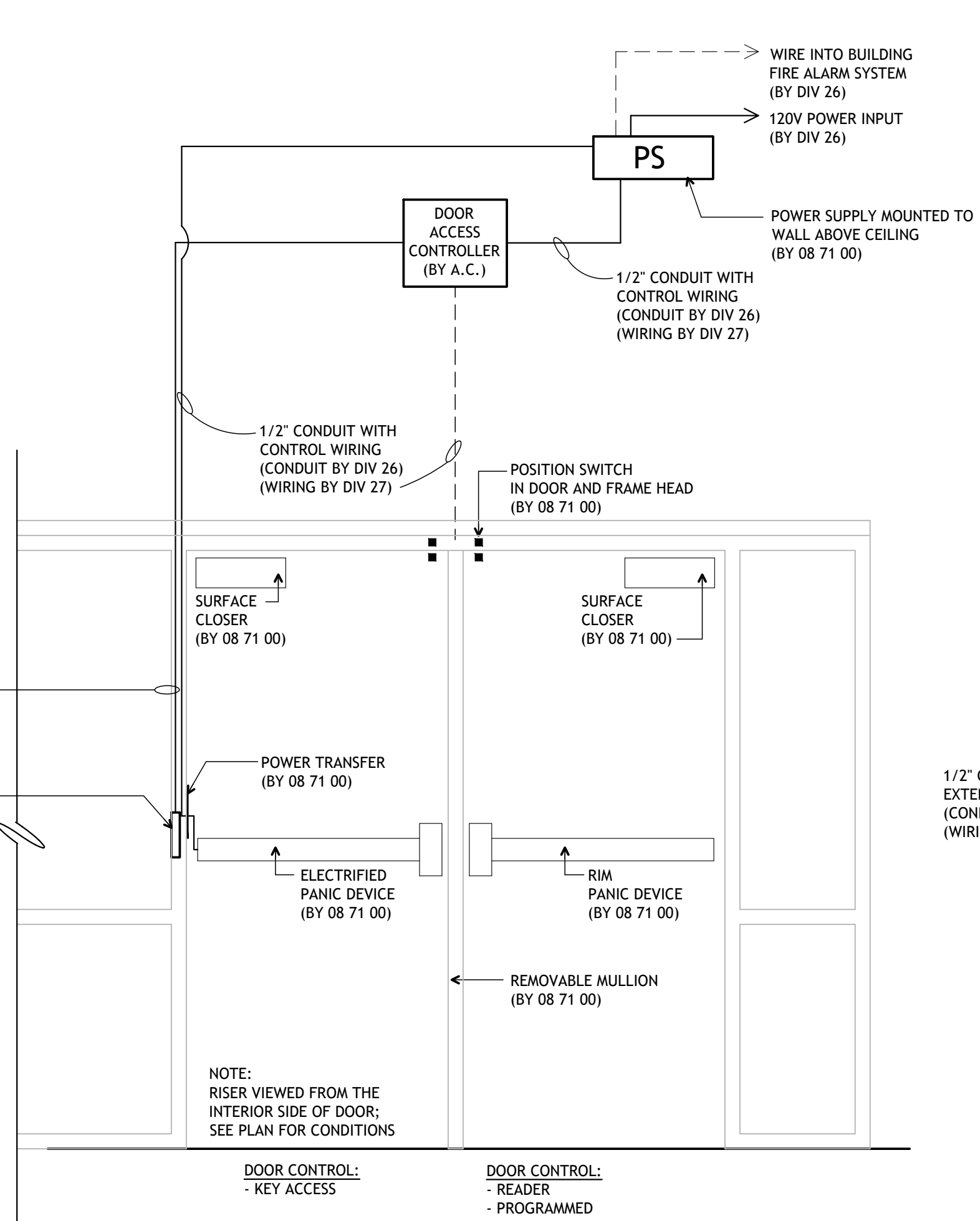
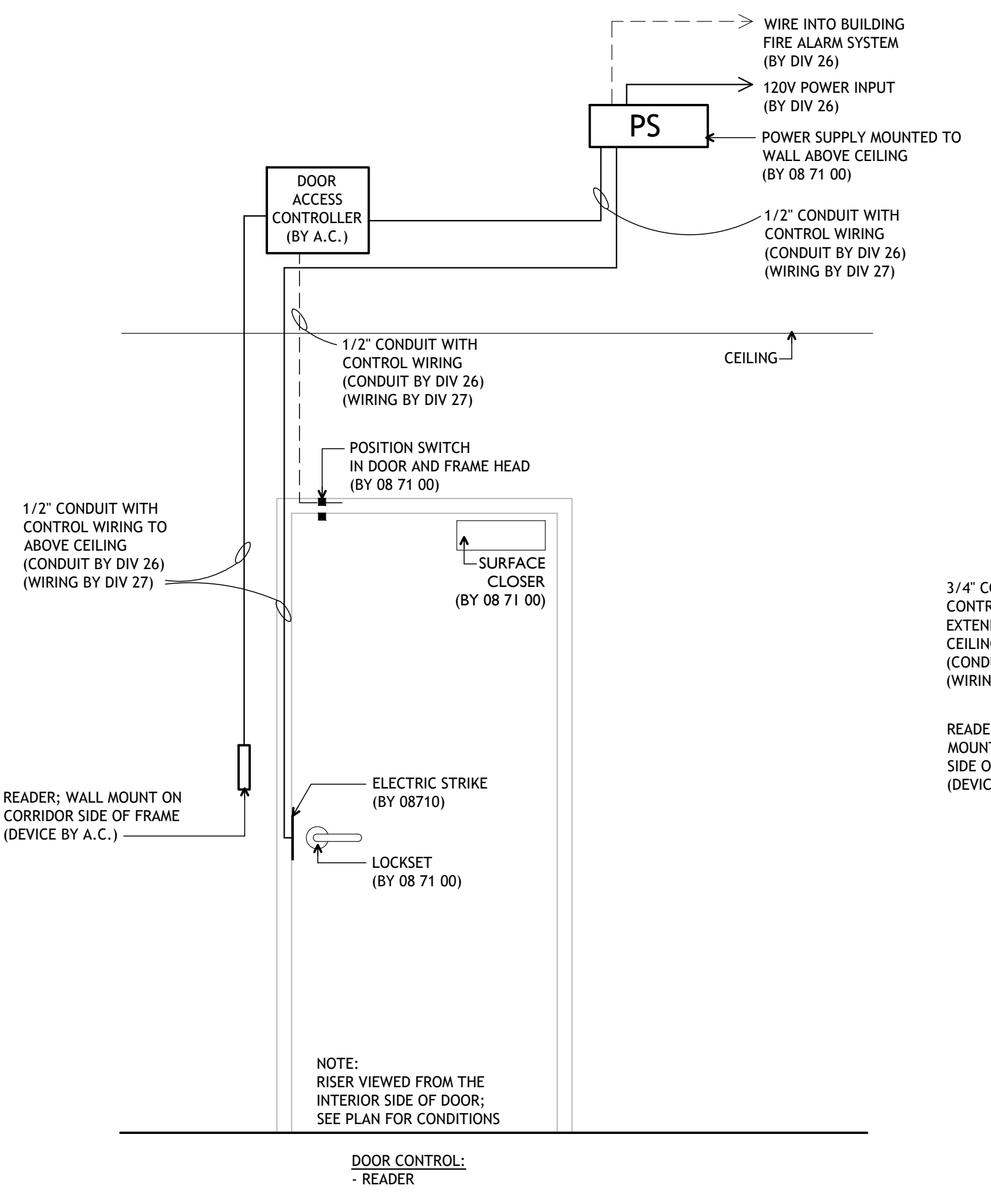
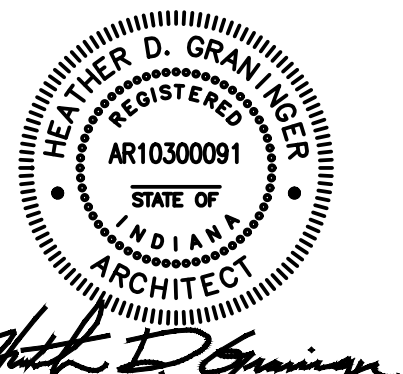
2024 ADDITION AND  
RENOVATIONS

1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

DATE  
**APRIL 3, 2024**

SHEET NUMBER  
**A704**  
23-228.001





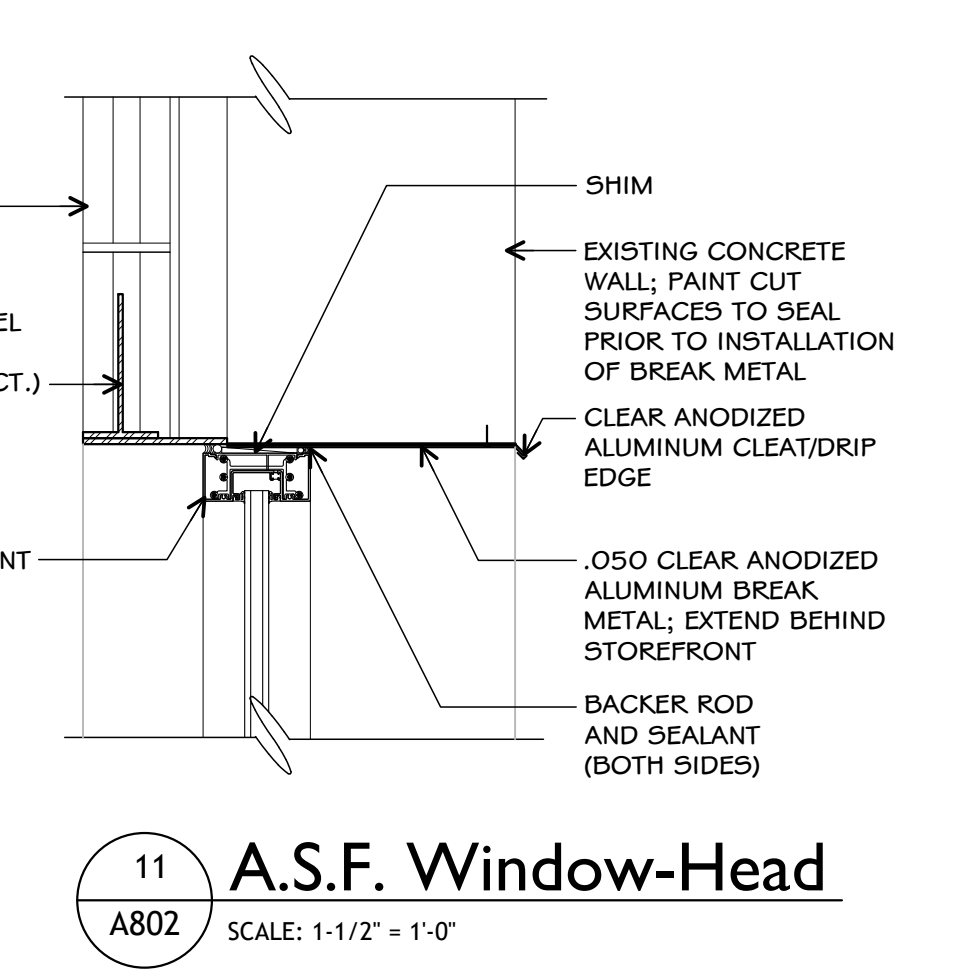
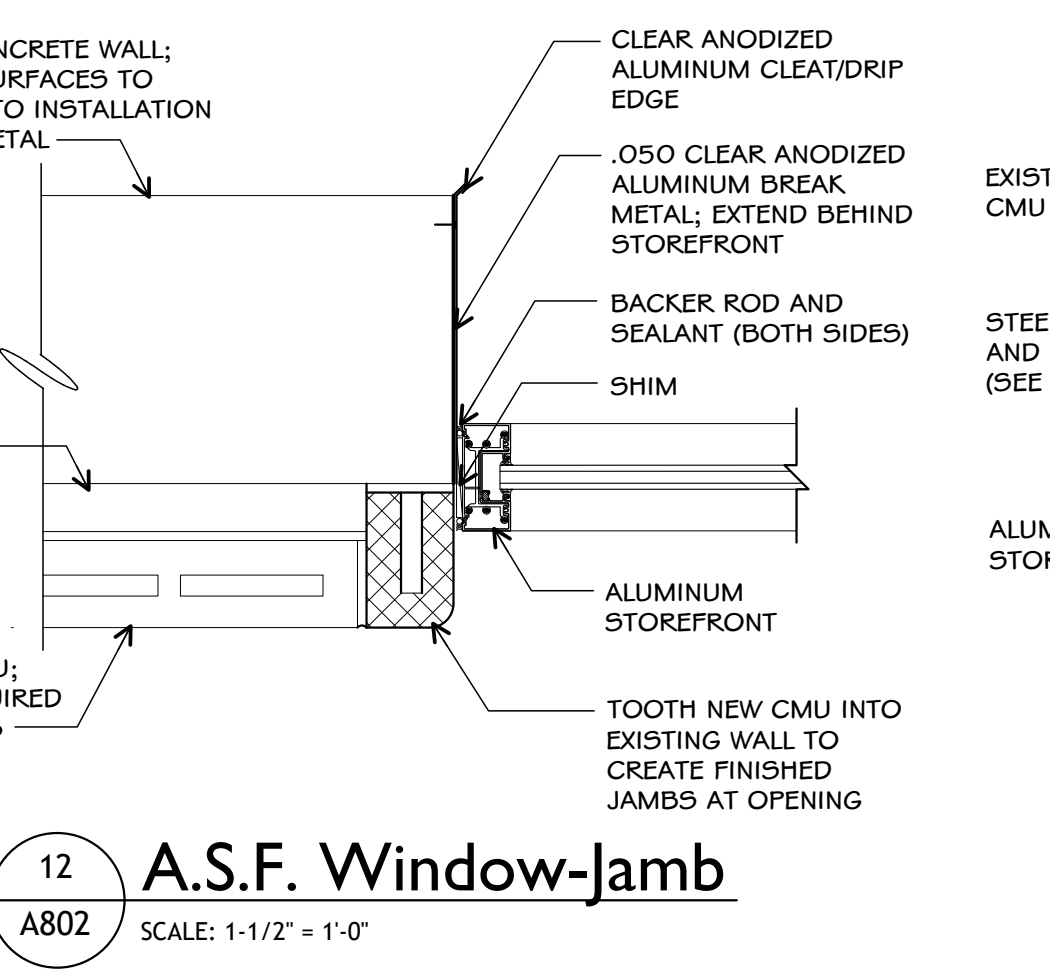
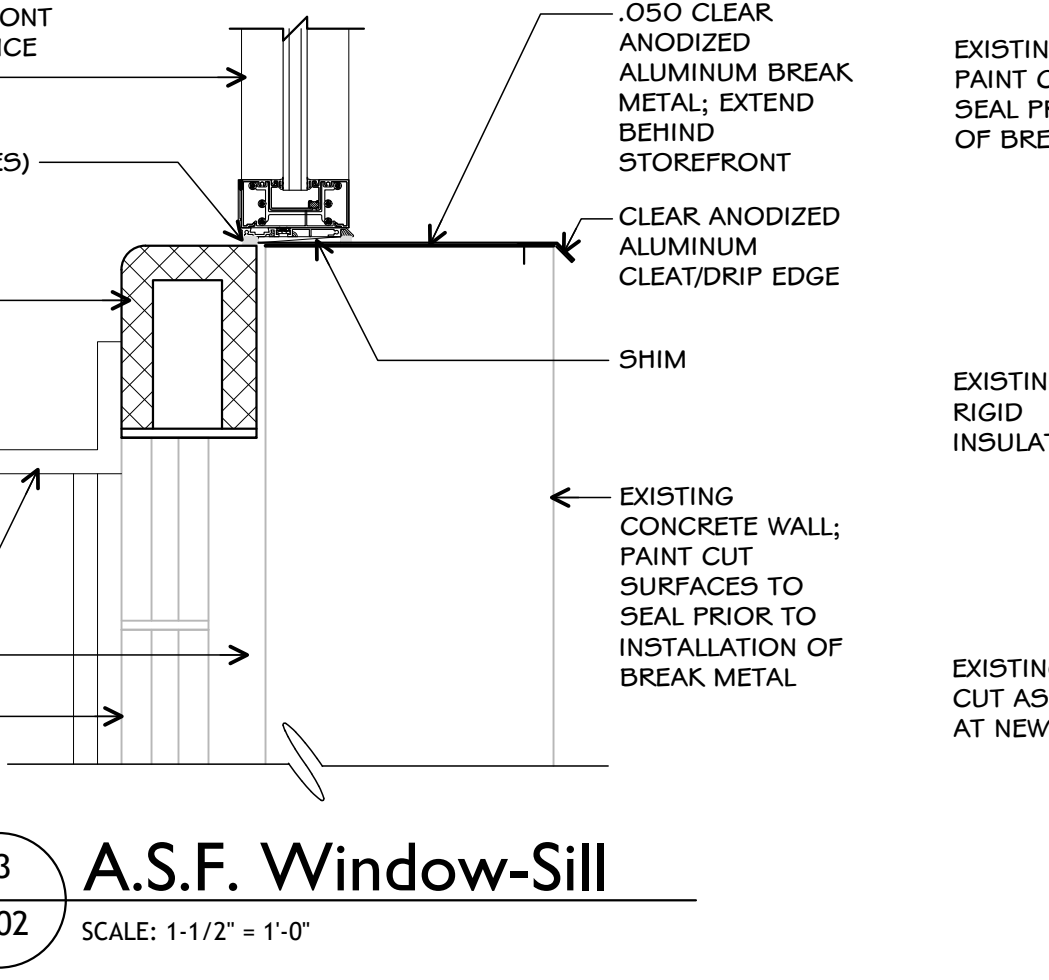
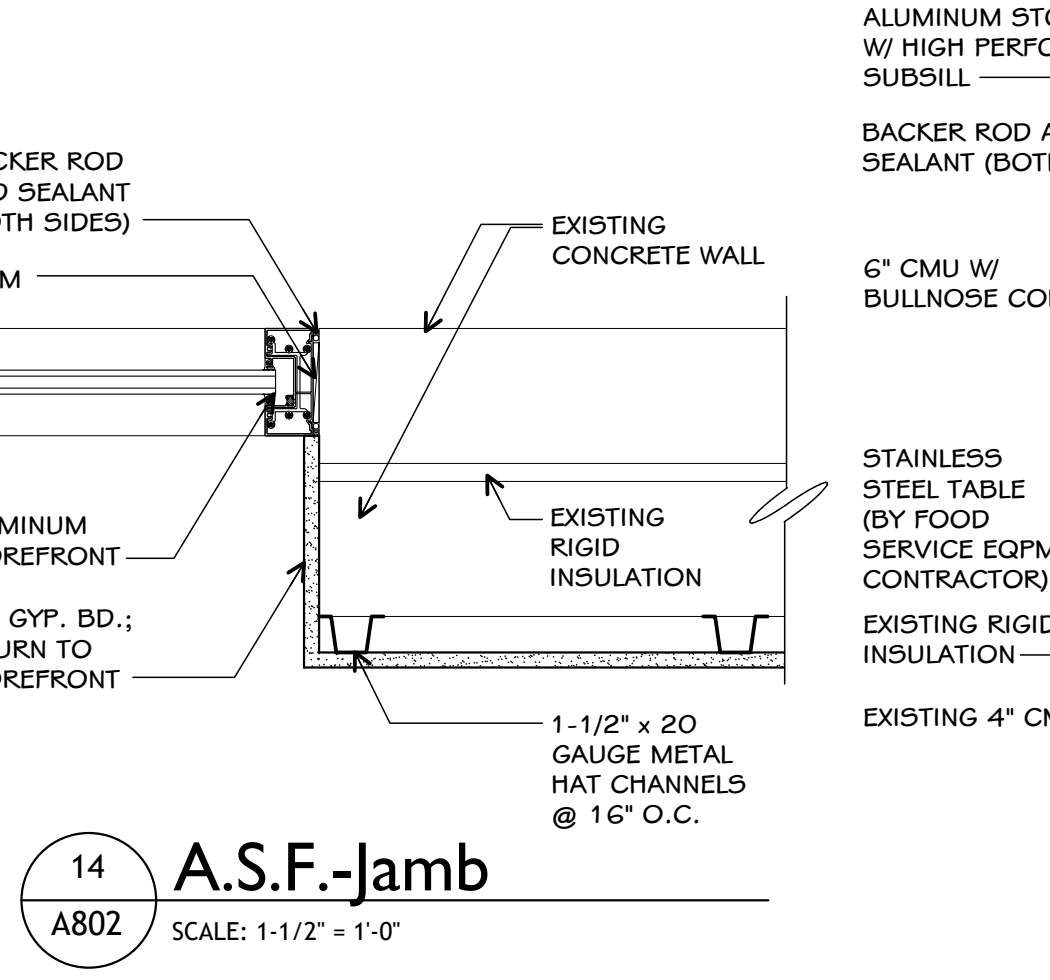
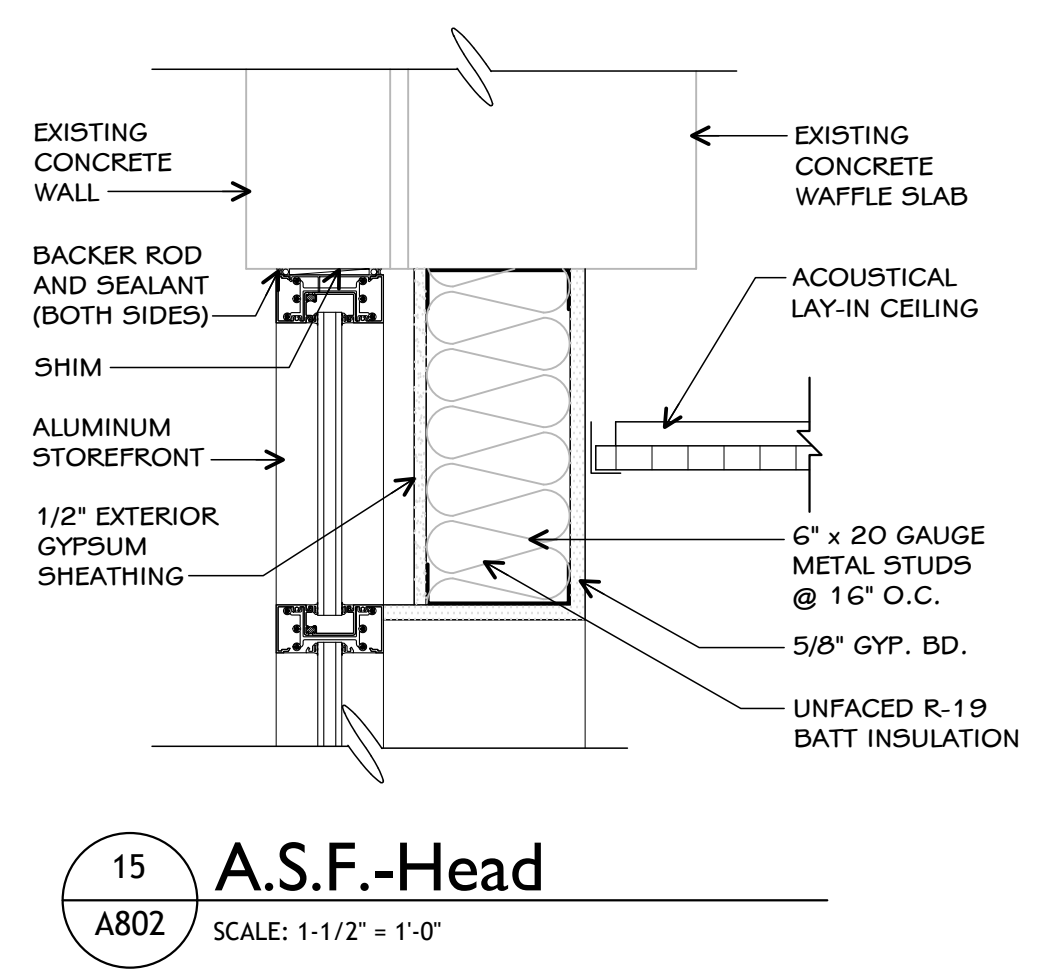
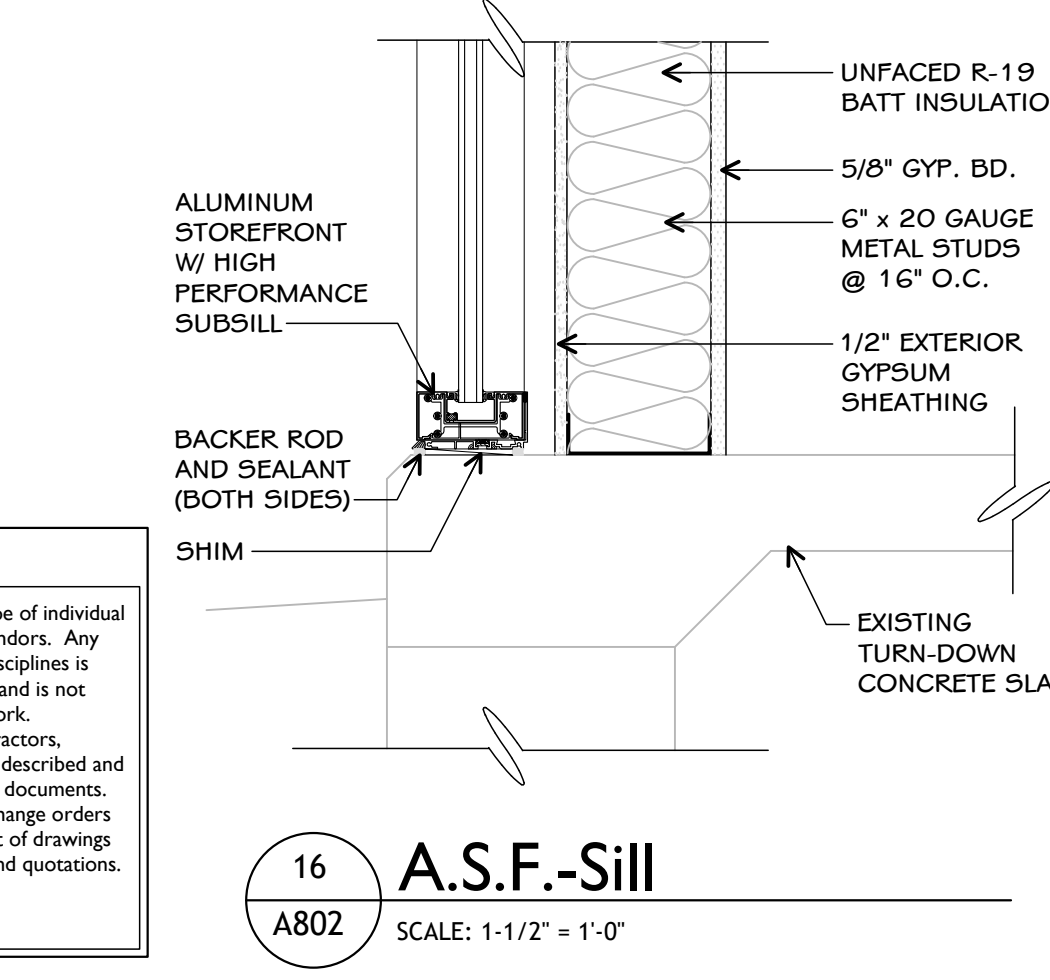
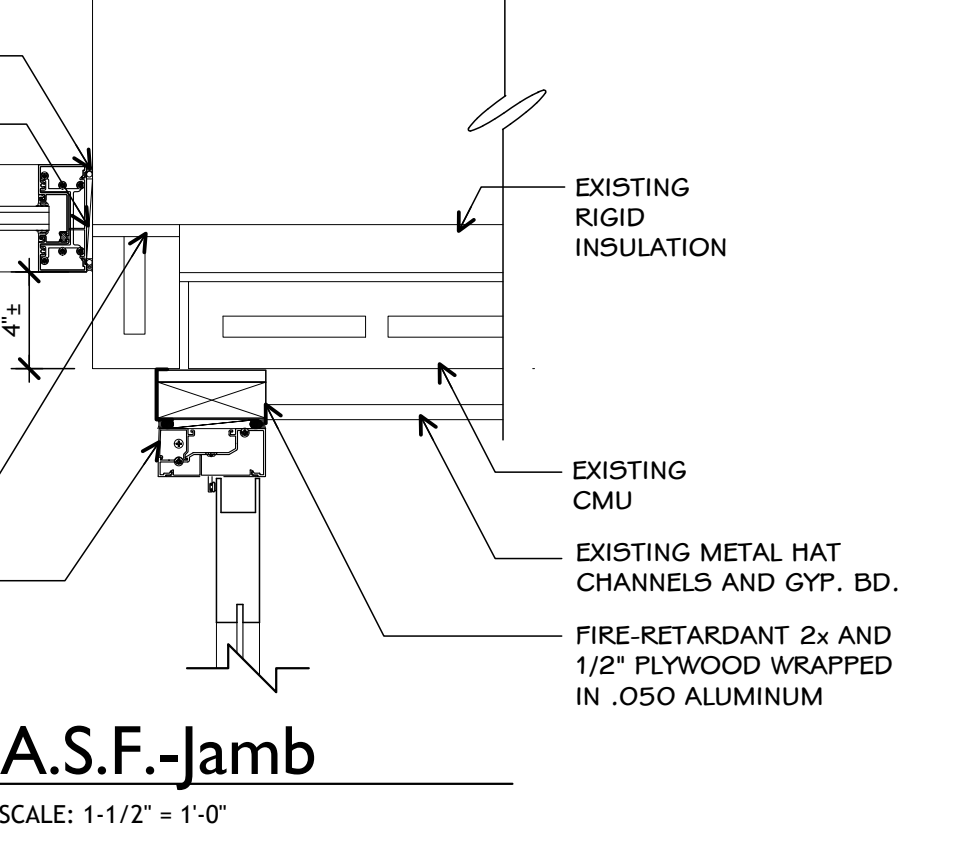
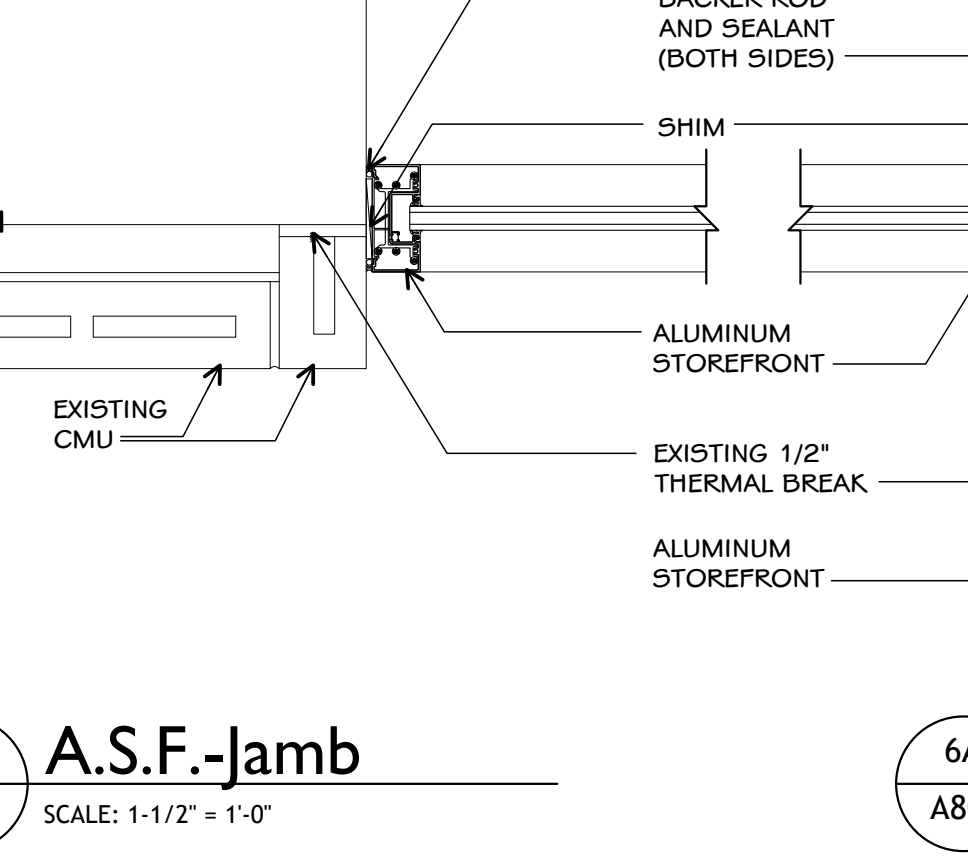
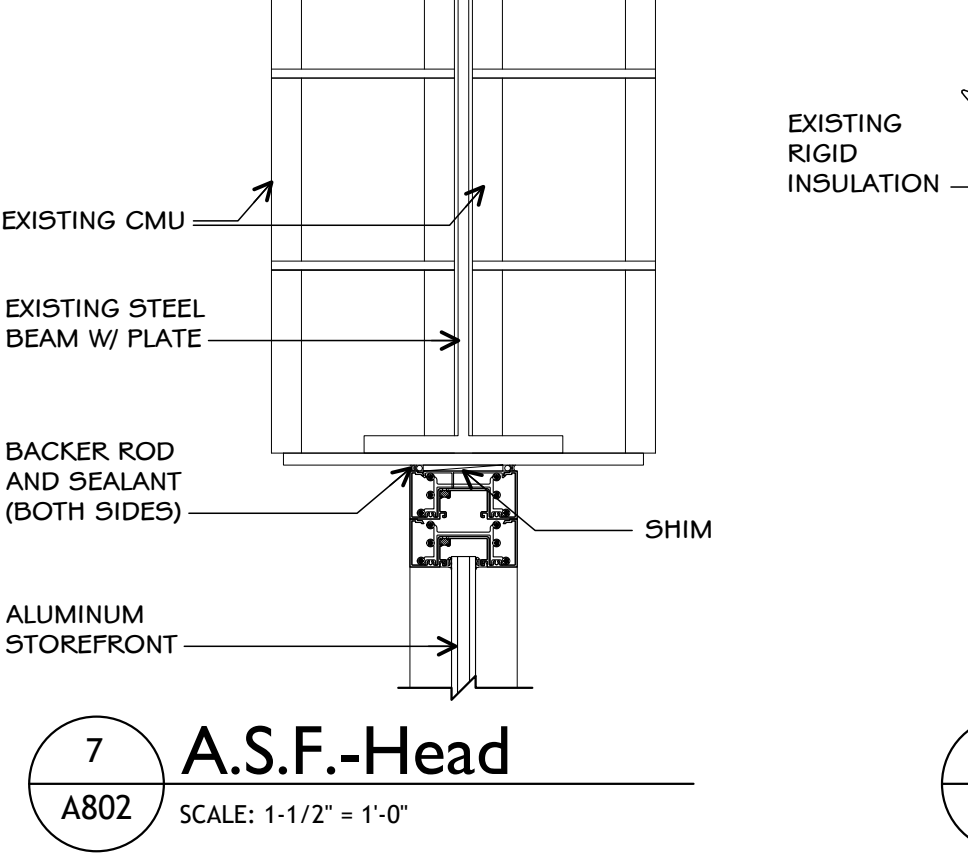
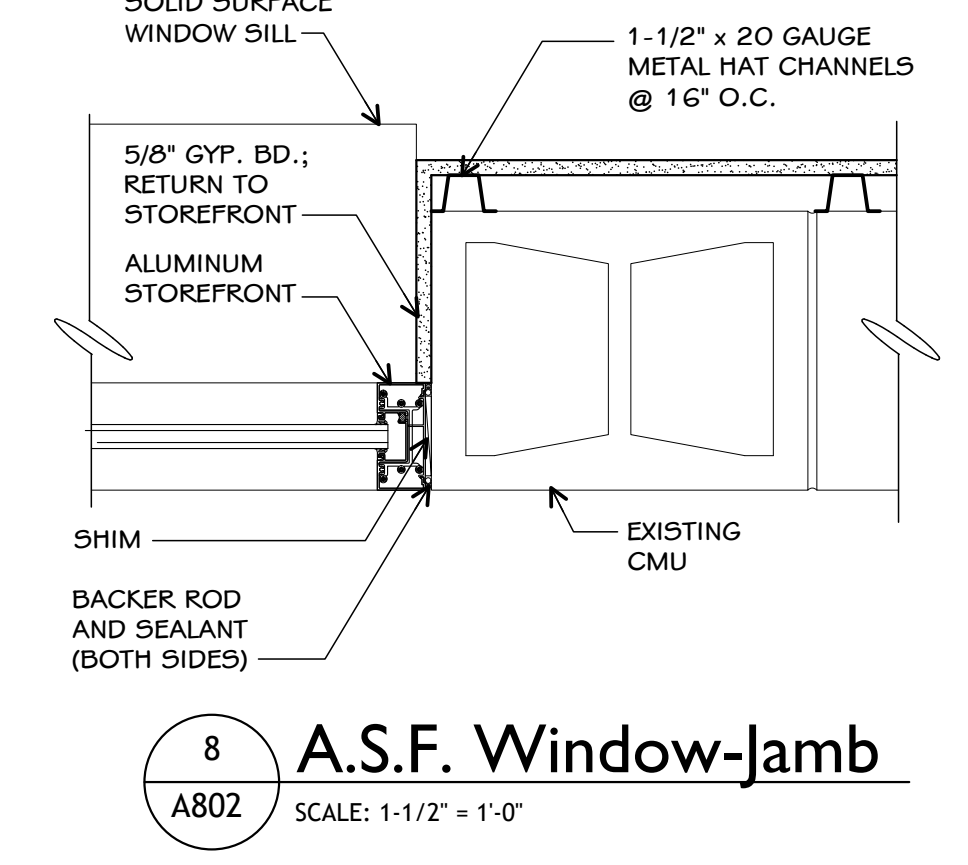
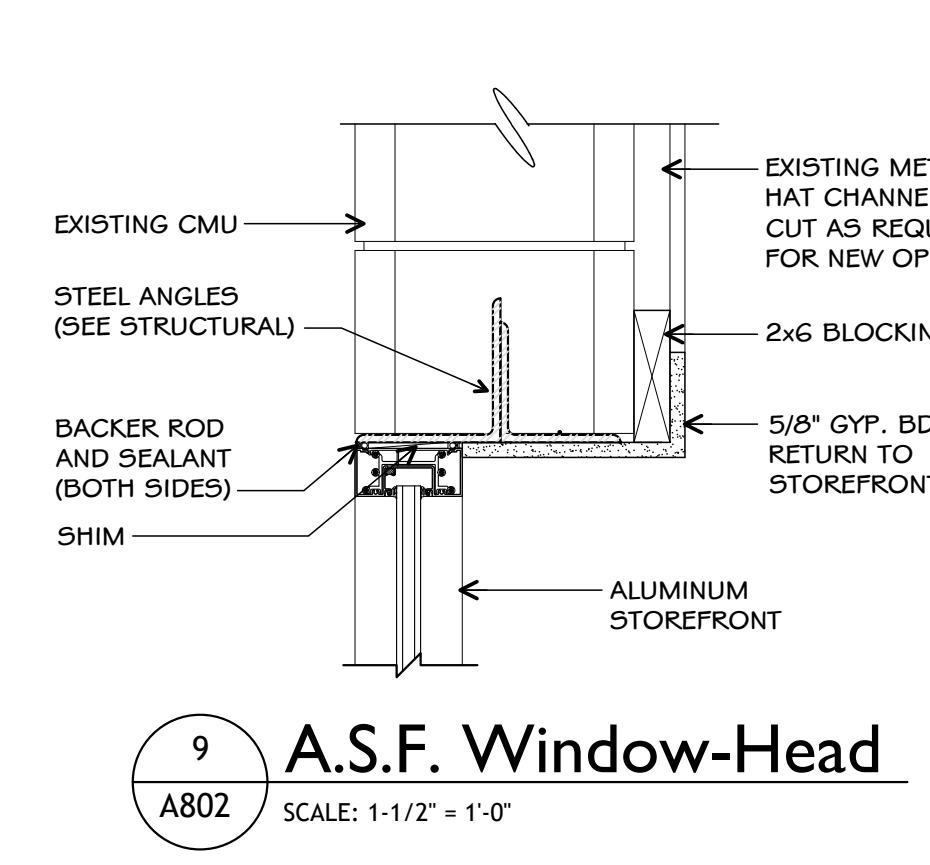
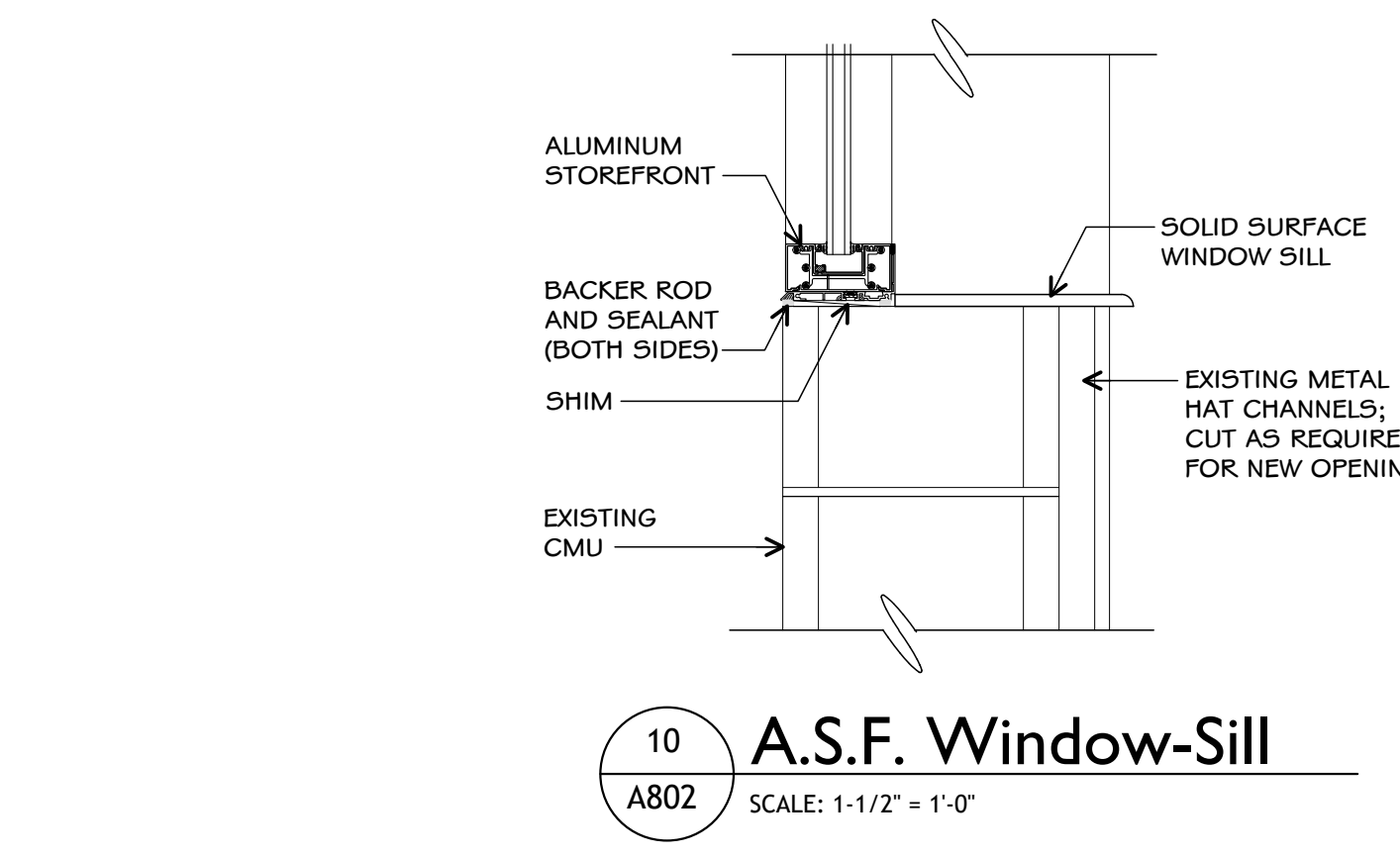
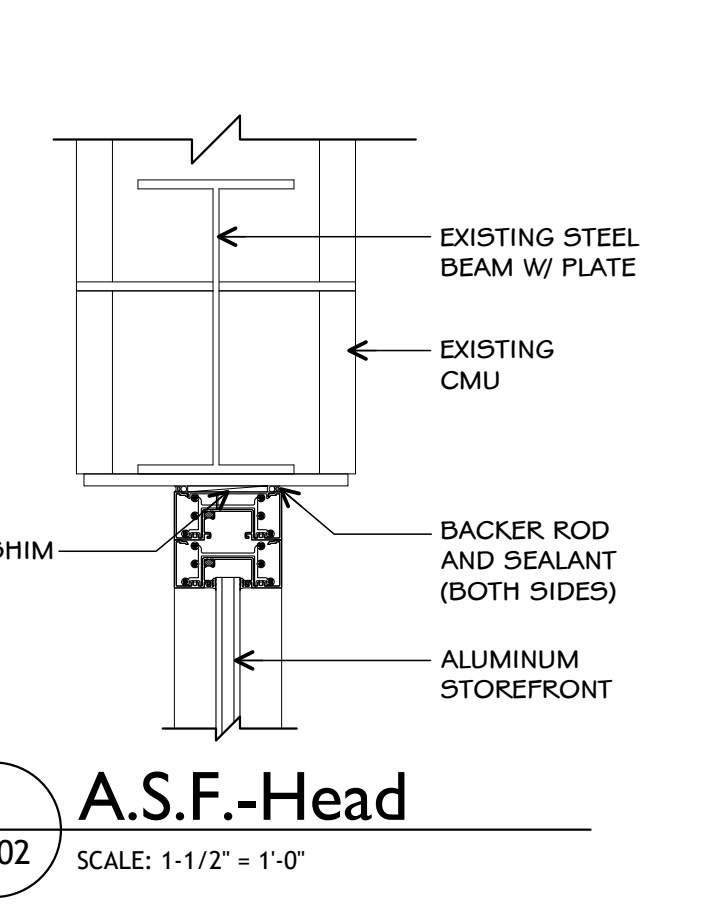
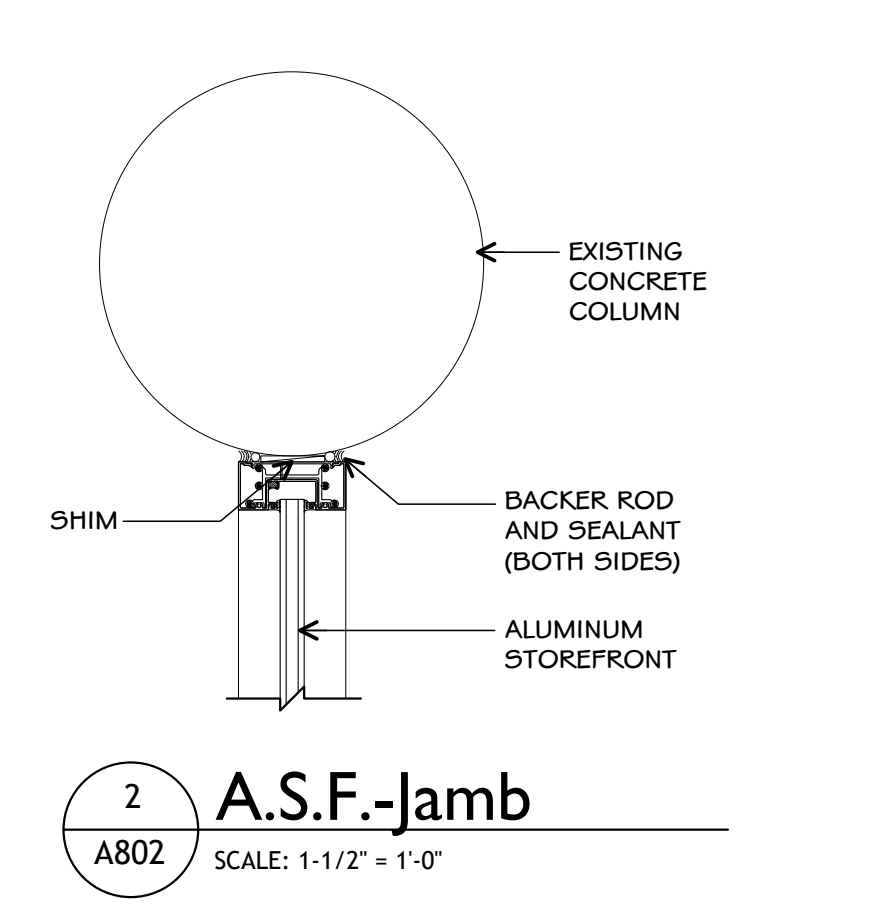
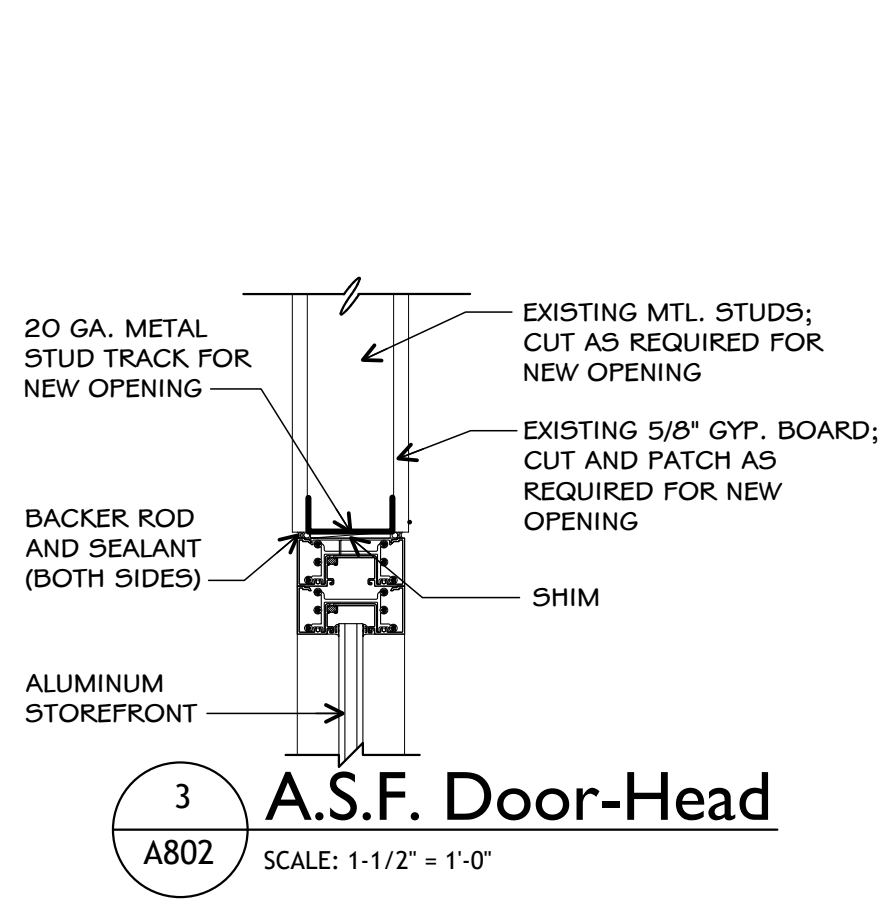
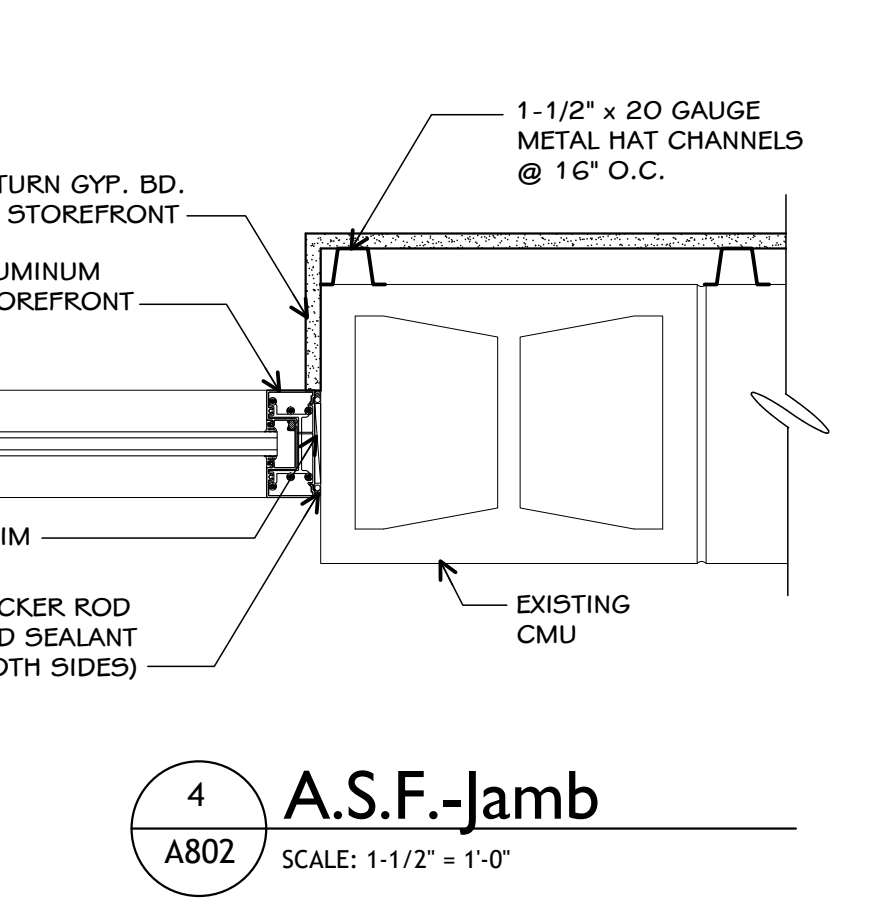
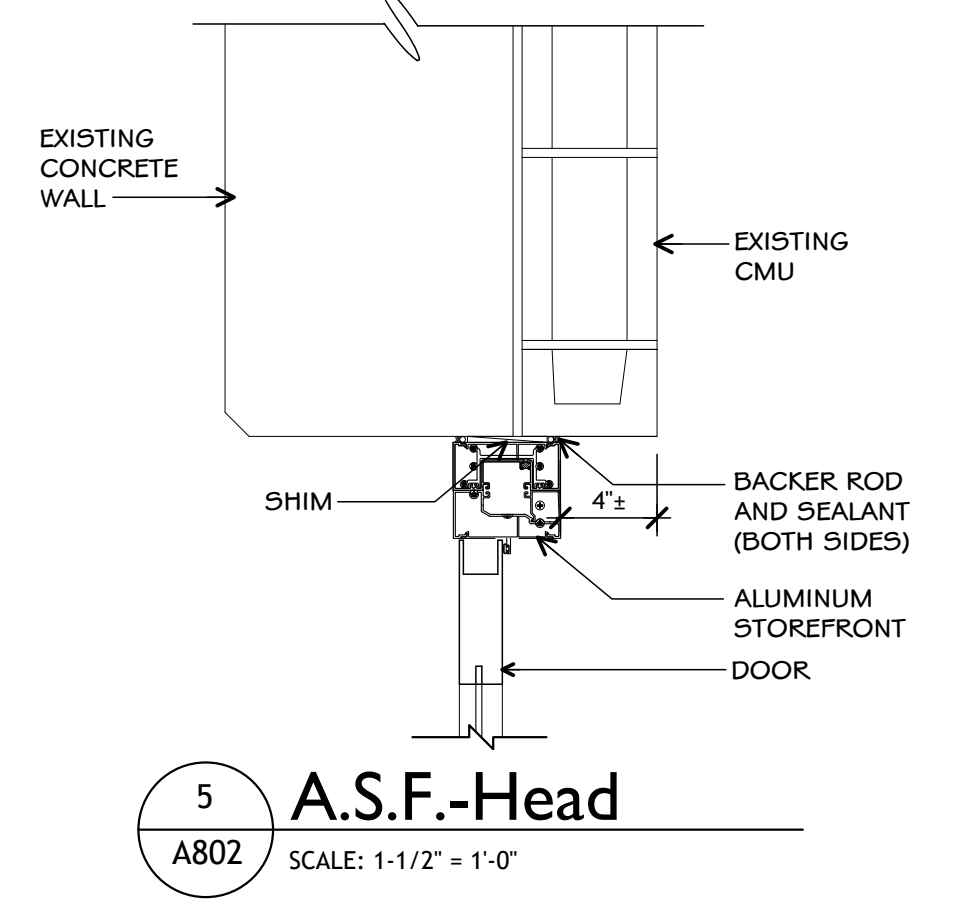
**Door Access Riser Diagram - Door 110 & Door 142**  
SCALE: NOT TO SCALE

**Door Access Riser Diagram - 101D**  
SCALE: NOT TO SCALE

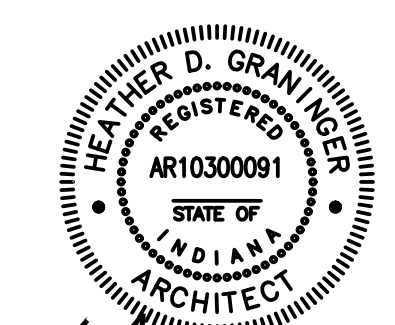
**Door Access Riser Diagram - Door 101B**  
SCALE: NOT TO SCALE

**Access Control/Electrical Coordination Notes**

- ALL LOCATIONS OF ALL COMPONENTS ARE TO BE COORDINATED BETWEEN THE ELECTRICAL CONTRACTOR AND THE OWNER'S ACCESS CONTROL CONTRACTOR.
- ELECTRICAL CONTRACTOR AND OWNER'S ACCESS CONTROL CONTRACTOR ARE TO WORK TOGETHER AND IN CONJUNCTION WITH THE OWNER, ARCHITECT AND THEIR TECHNOLOGY STAFF TO COORDINATE THE LOCATIONS, ROUGH-INS AND REQUIREMENTS OF ALL COMPONENTS SHOWN HEREIN.
- WORK REQUIRED BETWEEN DIV. 26 AND DIV. 27 IS SHOWN ON BOTH THE ELECTRICAL DRAWINGS AND THE DOOR RISER DIAGRAM DRAWINGS; SEE BOTH DOOR RISER DIAGRAM DRAWINGS AND ELECTRICAL DRAWINGS FOR ROUGH-INS, TYPICAL DETAILS, WIRING REQUIREMENTS, TERMINATIONS AND ADDITIONAL INFORMATION AND REQUIREMENTS.
- ITEMS ON THESE DRAWINGS ARE REFERRED TO IN A GENERIC FORM FOR TYPE OF PRODUCT TO BE USED (I.E., CAT CABLE, COAX CABLE, PHONE, ETC.). SEE SPECIFICATIONS FOR EXPLICIT PRODUCT SELECTIONS.
- DISTANCE FOR RUNS OF TECHNOLOGY CABLE FROM THE TERMINATION TO THE ULTIMATE DEVICE LOCATION, INCLUDING UPS AND DOWNS, SHALL BE NO LONGER THAN 300'. IF ANY RUN APPEARS TO BE OUTSIDE THIS THRESHOLD, CONSULT THE ARCHITECT DURING BIDDING FOR DISCUSSION ON POSSIBLE ALTERNATE ROUTING OR OTHER POSSIBLE ALTERNATIVES AND SOLUTIONS.
- IN GENERAL, ALL TECHNOLOGY WIRING NOT PLACED WITHIN CONDUIT SHALL BE RUN IN CABLE TRAYS OR SUPPORTED BY WIRING RINGS.
- IN GENERAL, ALL CABLING SHALL BE INSTALLED CONCEALED FROM VIEW (WITHIN WALLS, ABOVE CEILING, ETC.).
- A.C. = OWNER'S ACCESS CONTROL CONTRACTOR (SEPARATE CONTRACT).  
DIV 26 = ELECTRICAL.  
DIV 27 = TECHNOLOGY.
- SEE ELECTRICAL POWER PLANS AND SYSTEMS PLANS FOR ADDITIONAL SCOPE OF WORK REQUIRED OF THE A.C. AND DIV. 27 FOR WIRING, CONNECTIONS, TERMINATIONS, ETC. REQUIRED THROUGHOUT FOR ITEMS REGARDING DATA, A/V, CONTROLS, ETC.
- ALL ACCESS CONTROL WIRING THROUGHOUT THE ENTIRE BUILDING SHALL BE TERMINATED AT SINGLE LOCATION: STOR. 127 (SEE LOCATION ON DRAWING A101)



**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at various locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



Andrew D. Graninger  
ISSUED FOR DATE  
Public Bidding 04-03-2024

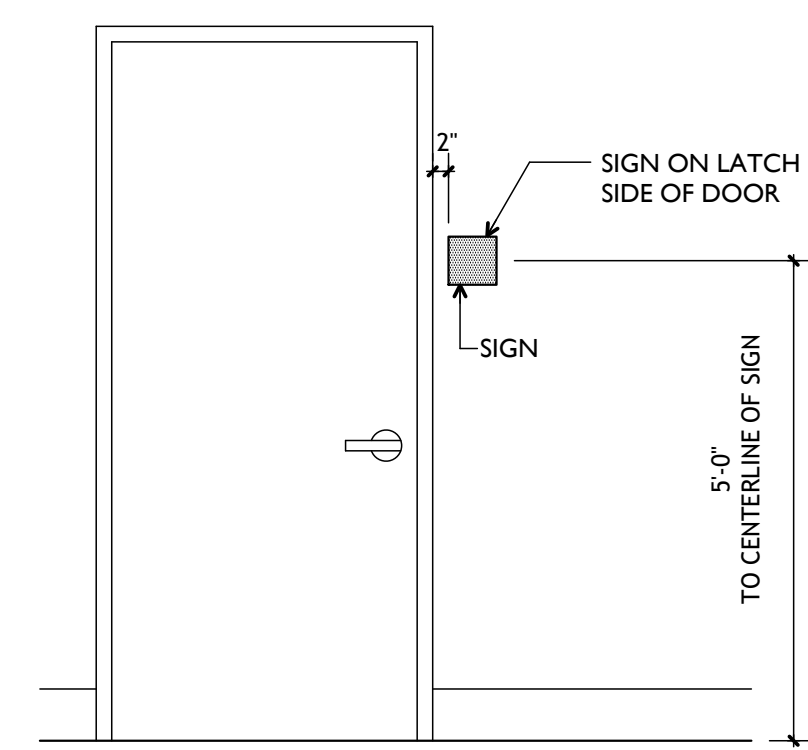
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

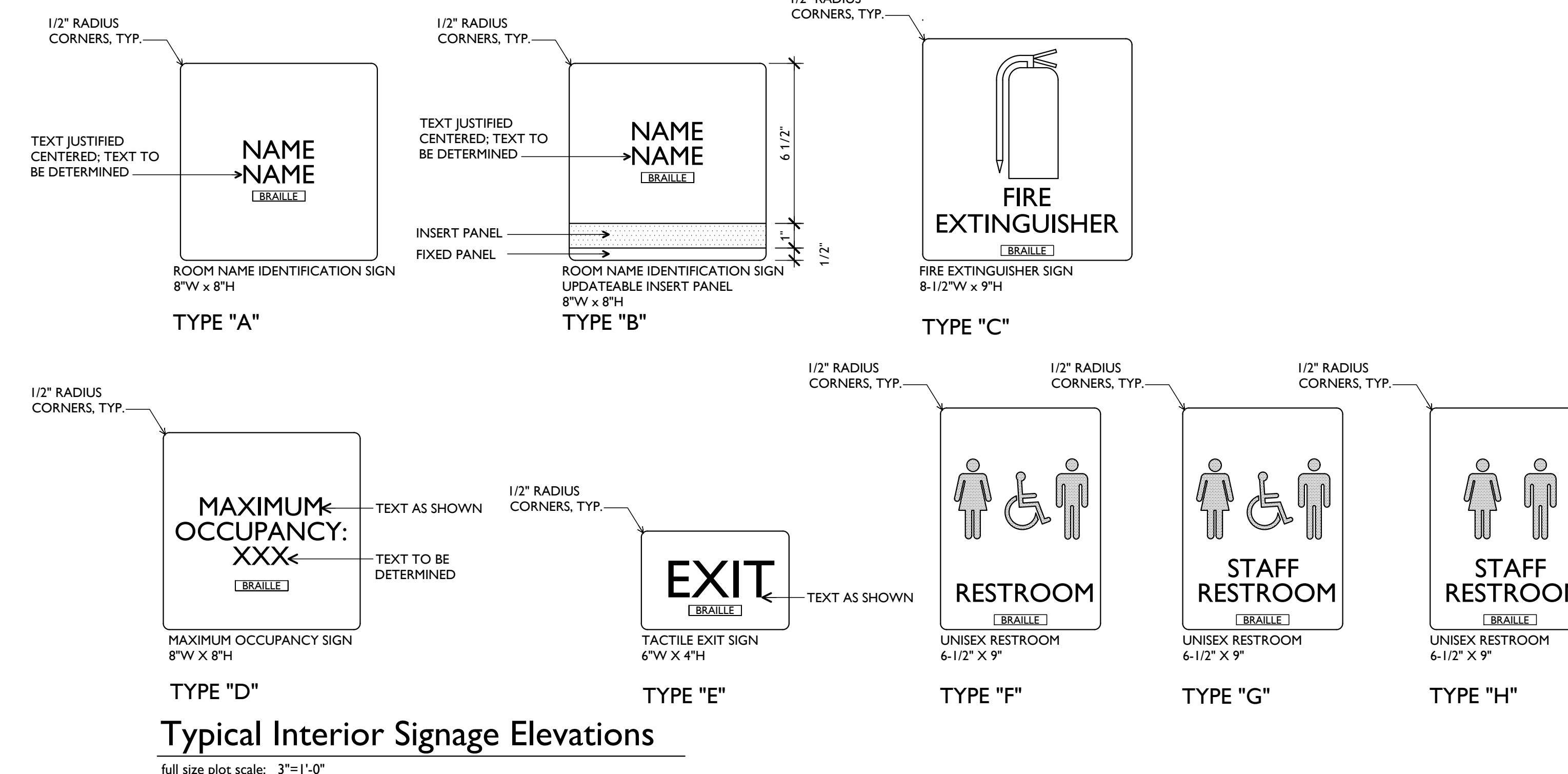
SHEET TITLE  
MISCELLANEOUS DETAILS

DATE  
APRIL 3, 2024

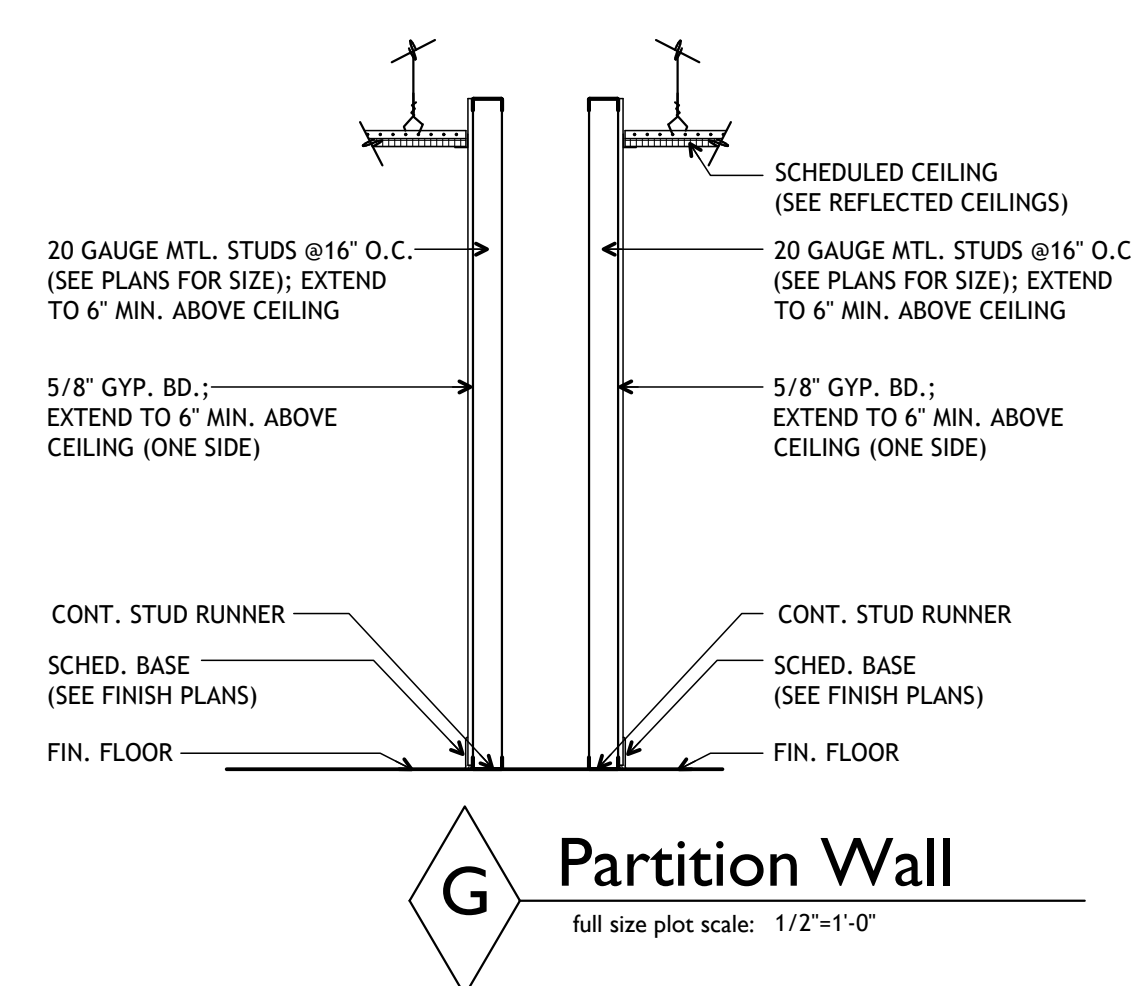
SHEET NUMBER  
A 901  
23-228.001



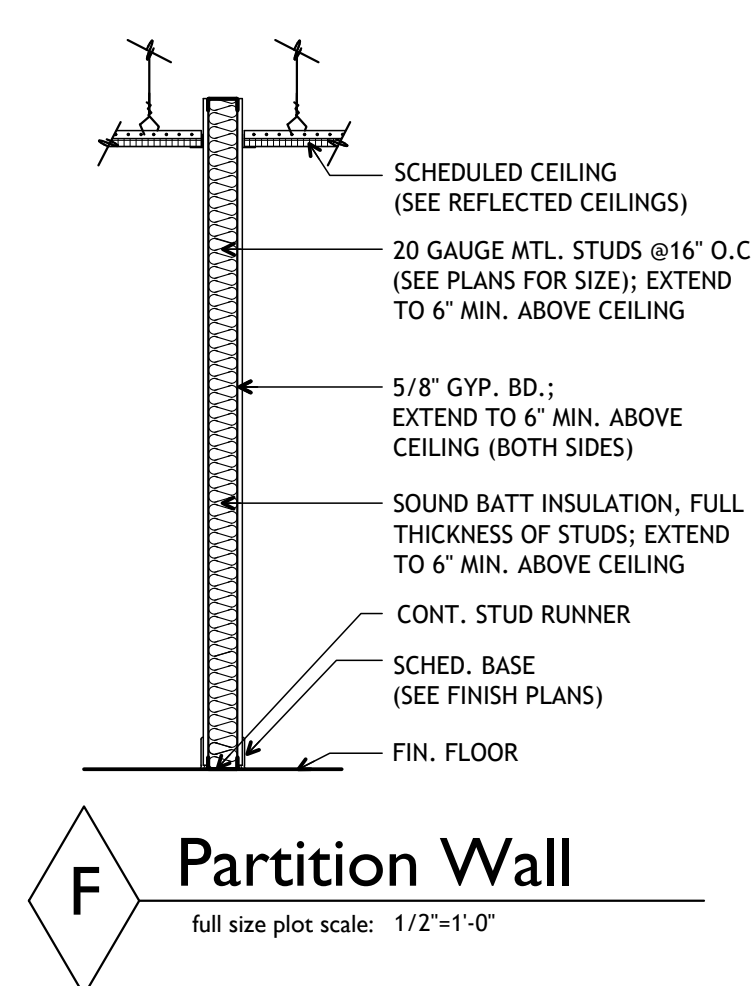
**Interior Signage Mounting**  
full size plot scale: 1/2"=1'-0"



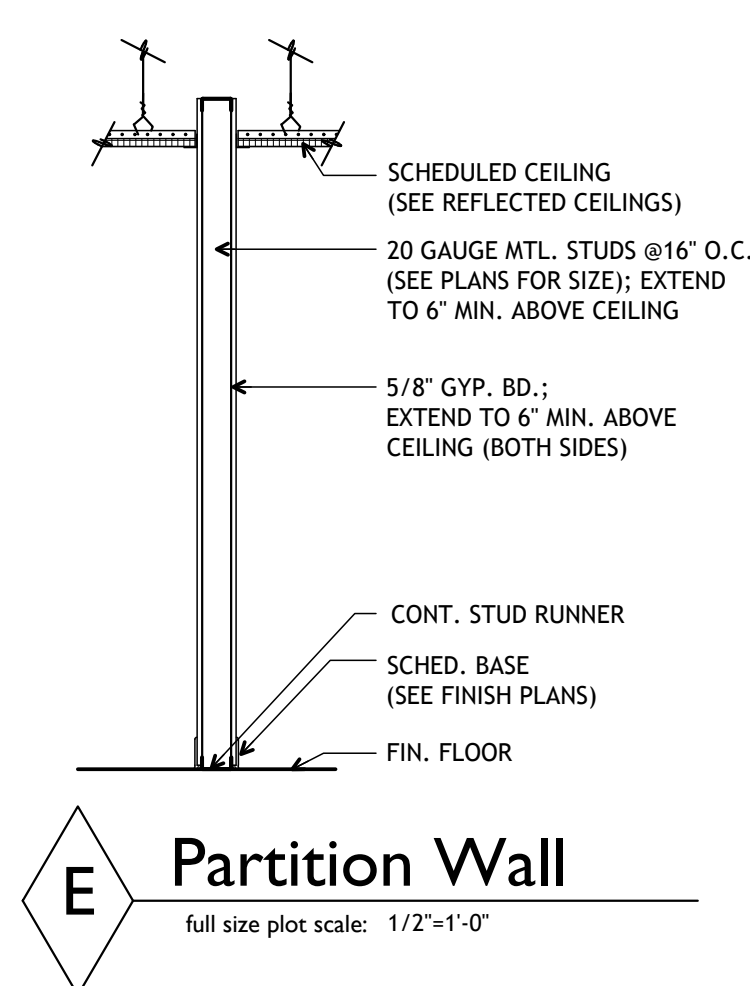
**Typical Interior Signage Elevations**  
full size plot scale: 3/4"=1'-0"



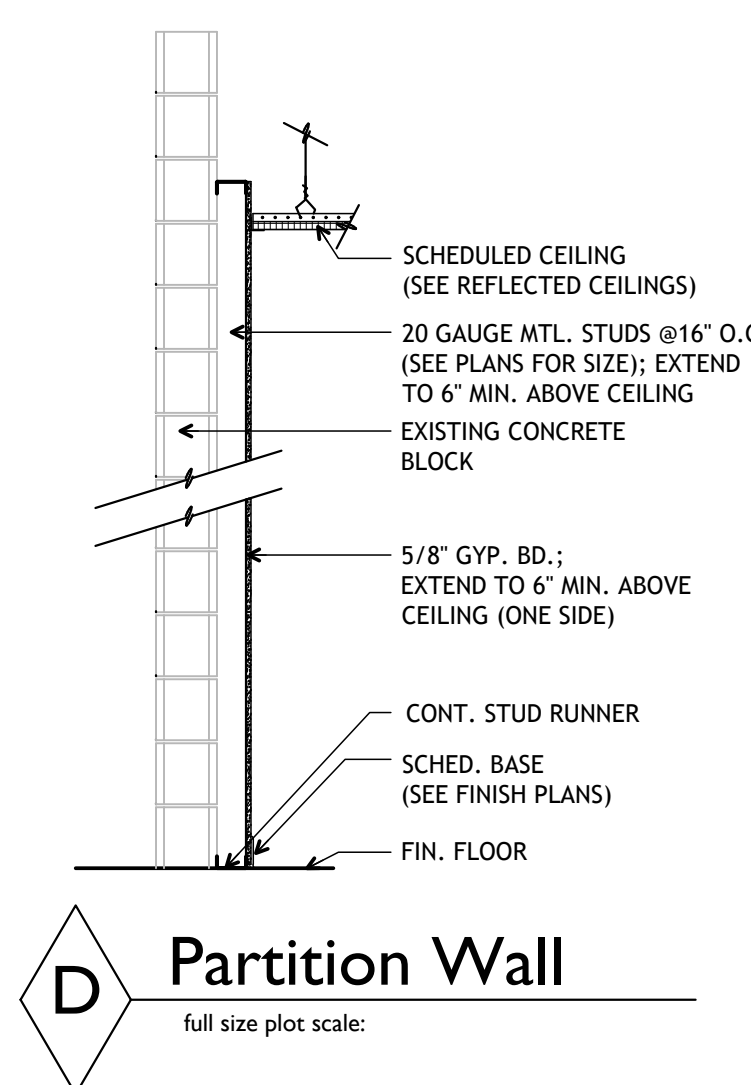
**G Partition Wall**  
full size plot scale: 1/2"=1'-0"



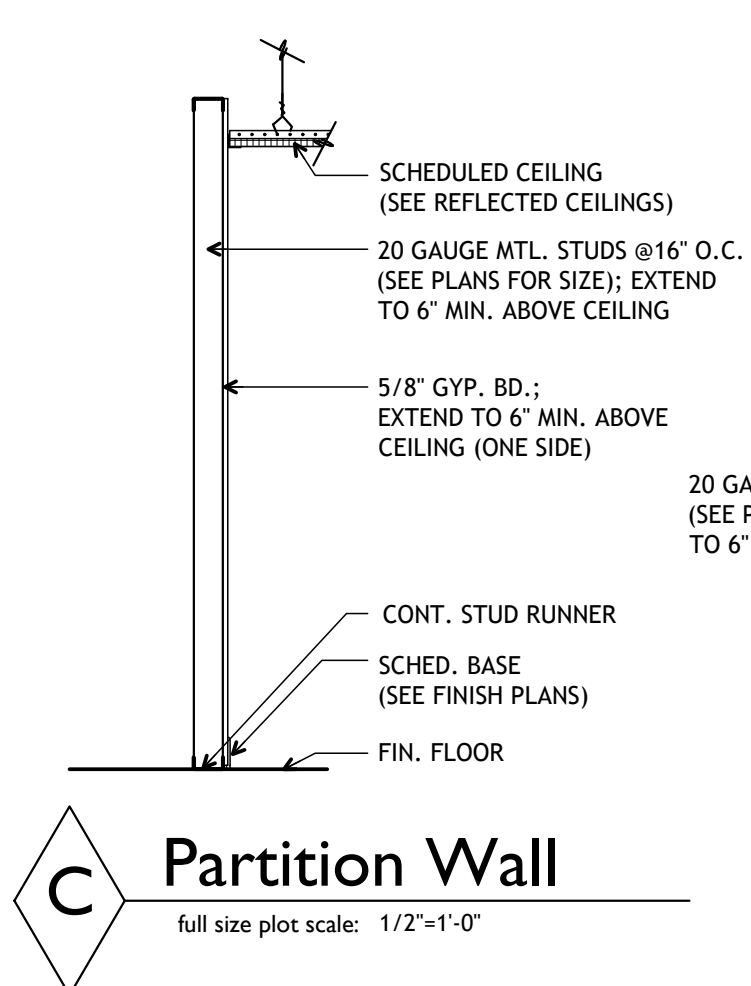
**F Partition Wall**  
full size plot scale: 1/2"=1'-0"



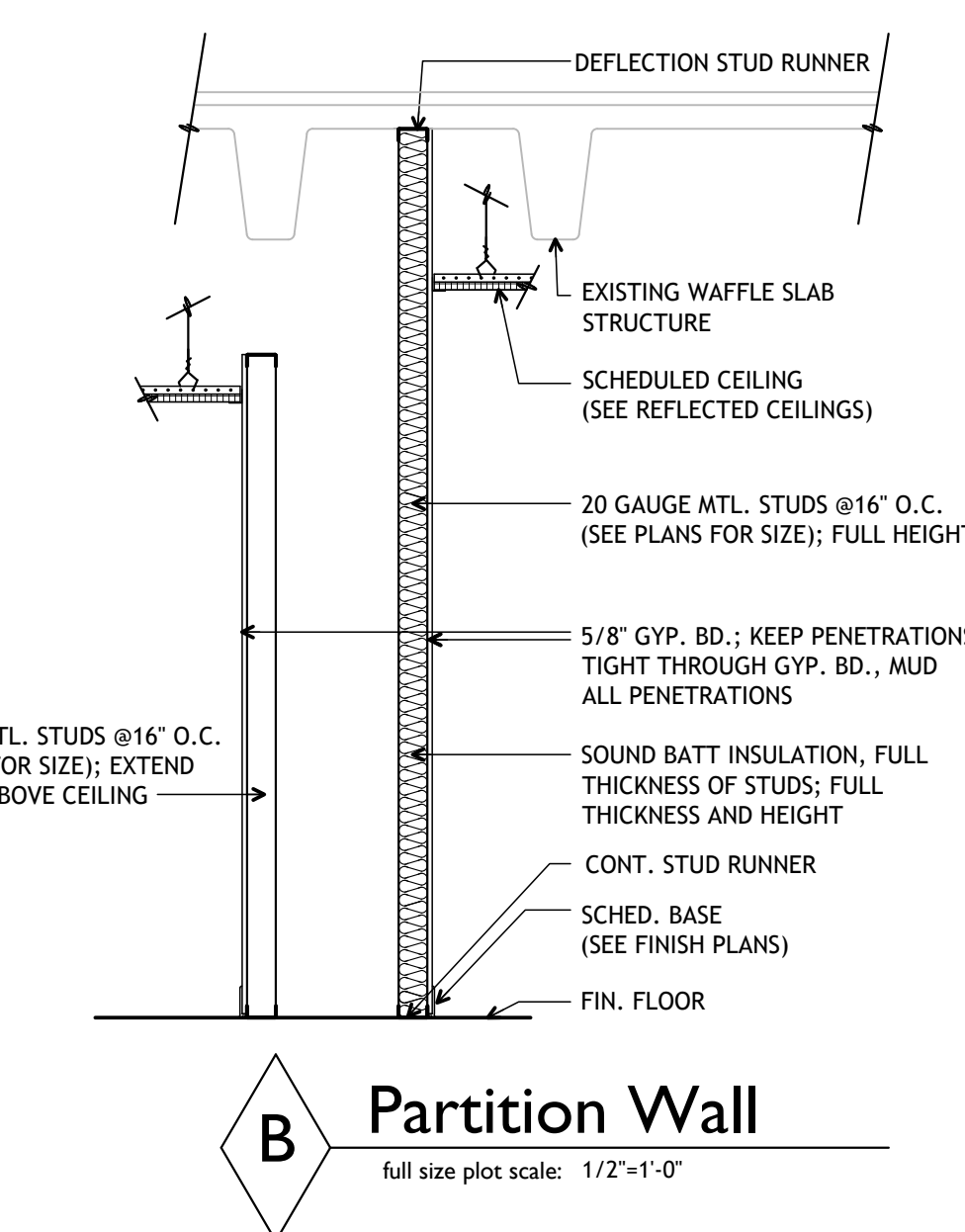
**E Partition Wall**  
full size plot scale: 1/2"=1'-0"



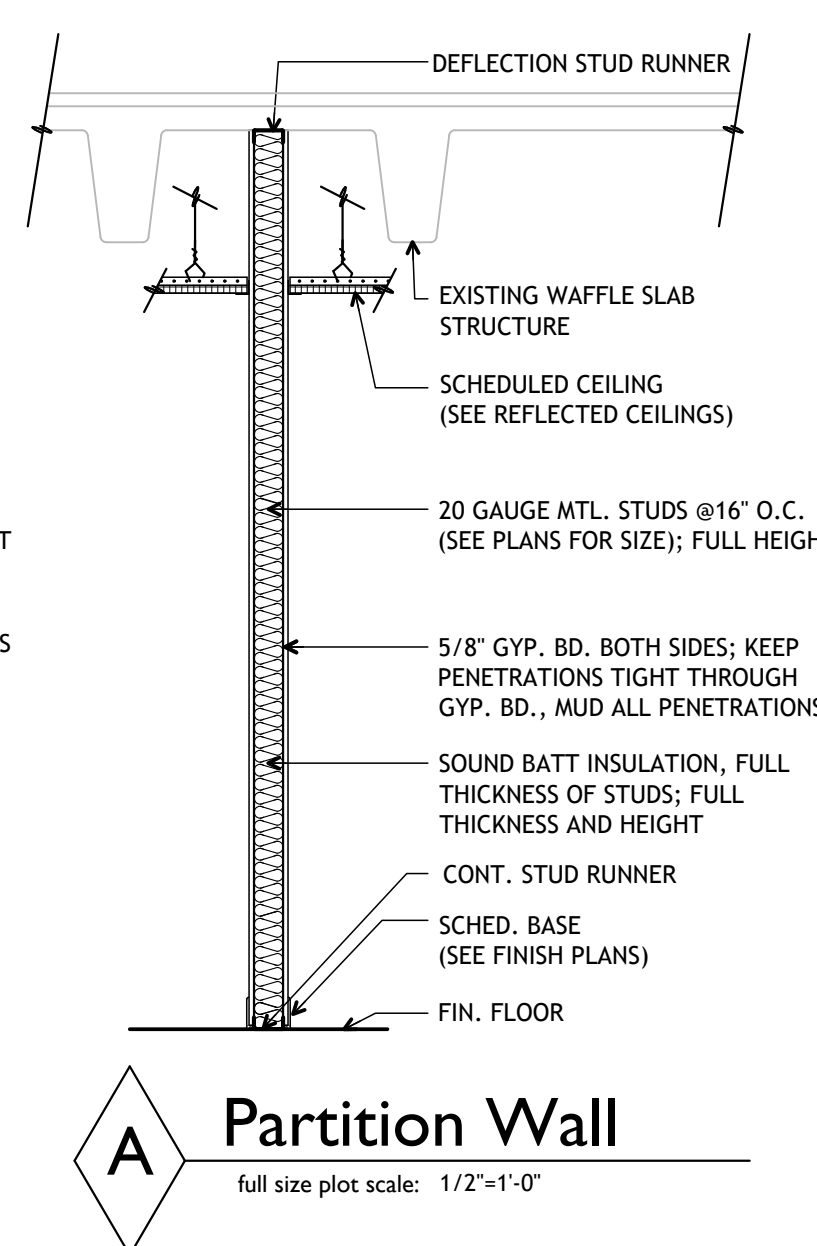
**D Partition Wall**  
full size plot scale: 1/2"=1'-0"



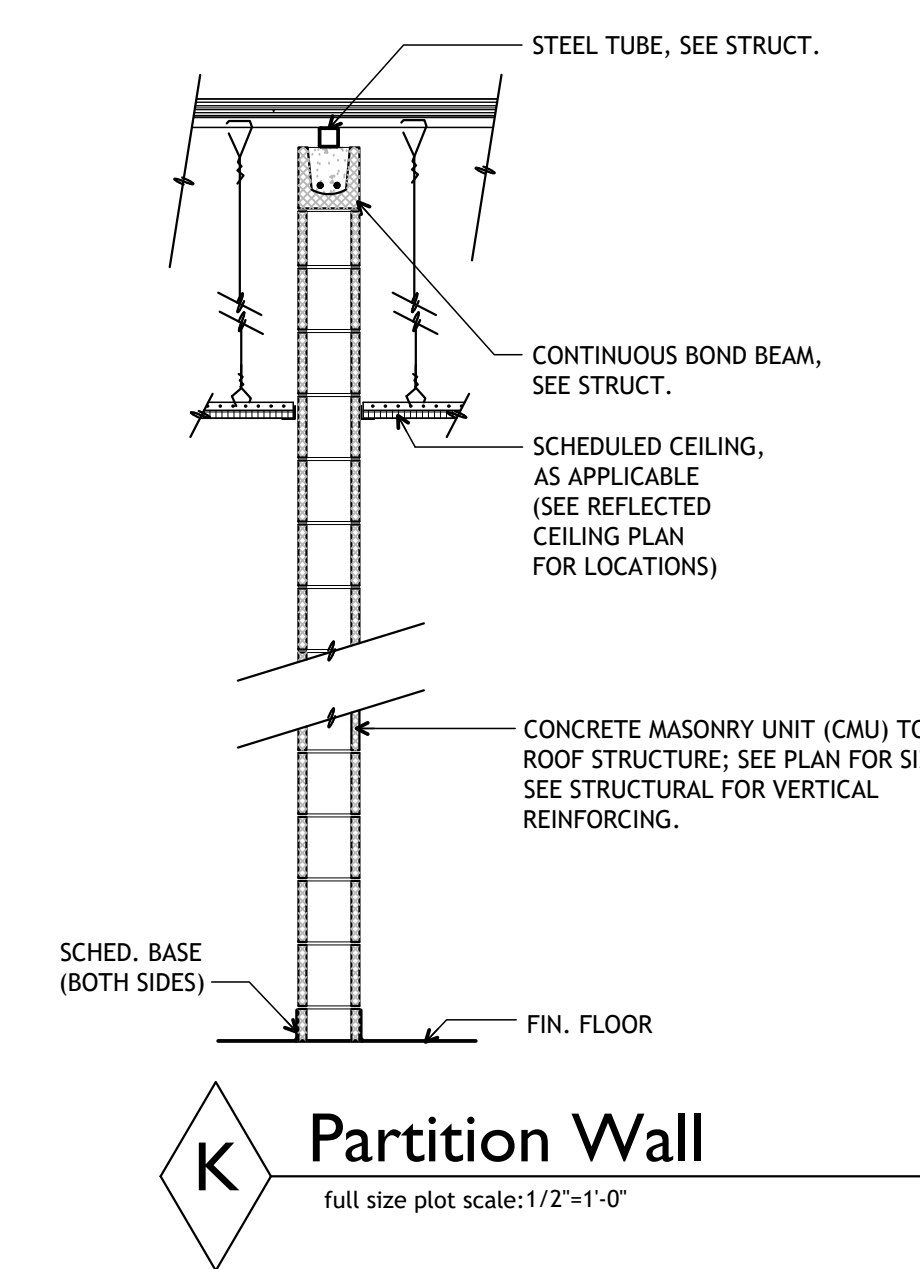
**C Partition Wall**  
full size plot scale: 1/2"=1'-0"



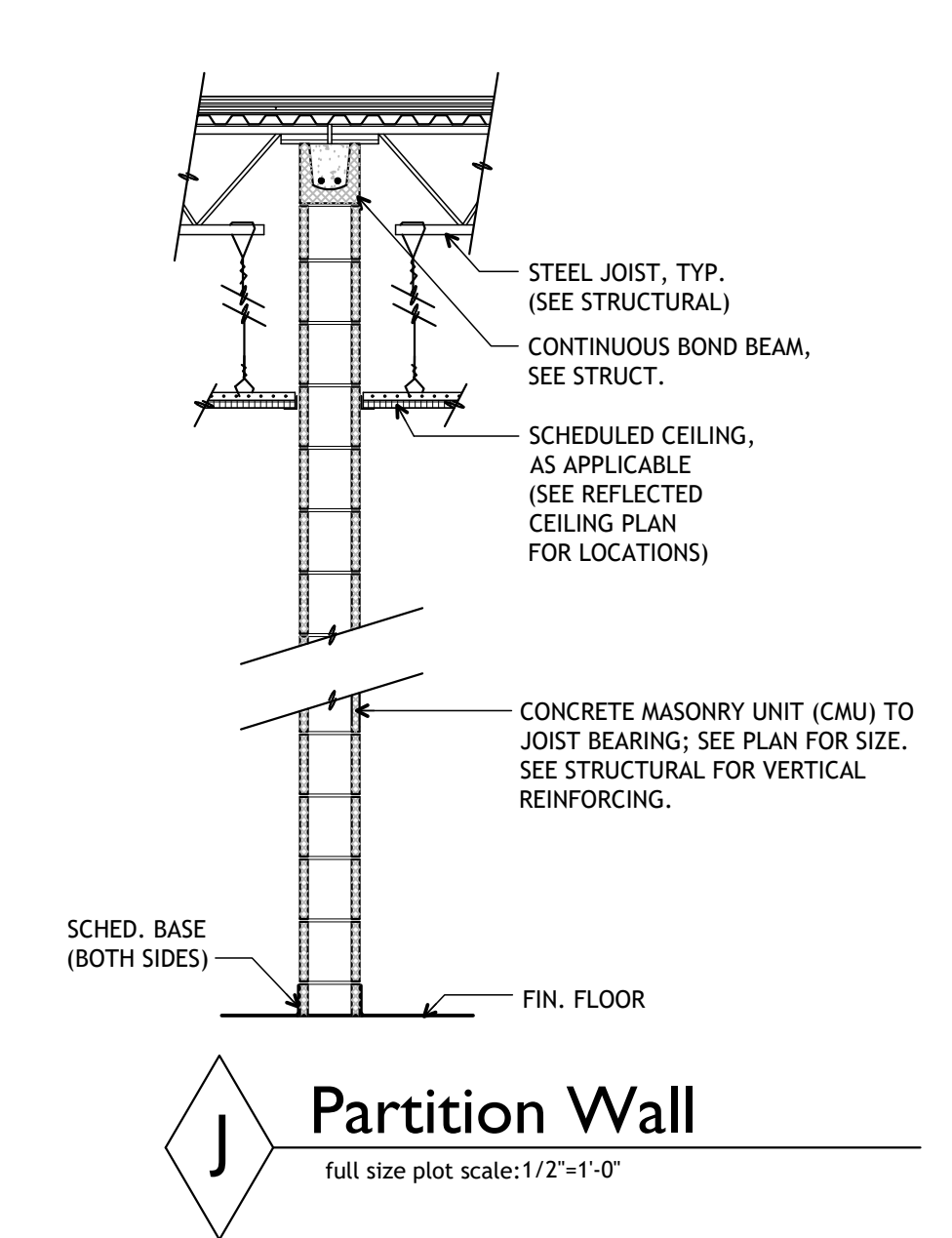
**B Partition Wall**  
full size plot scale: 1/2"=1'-0"



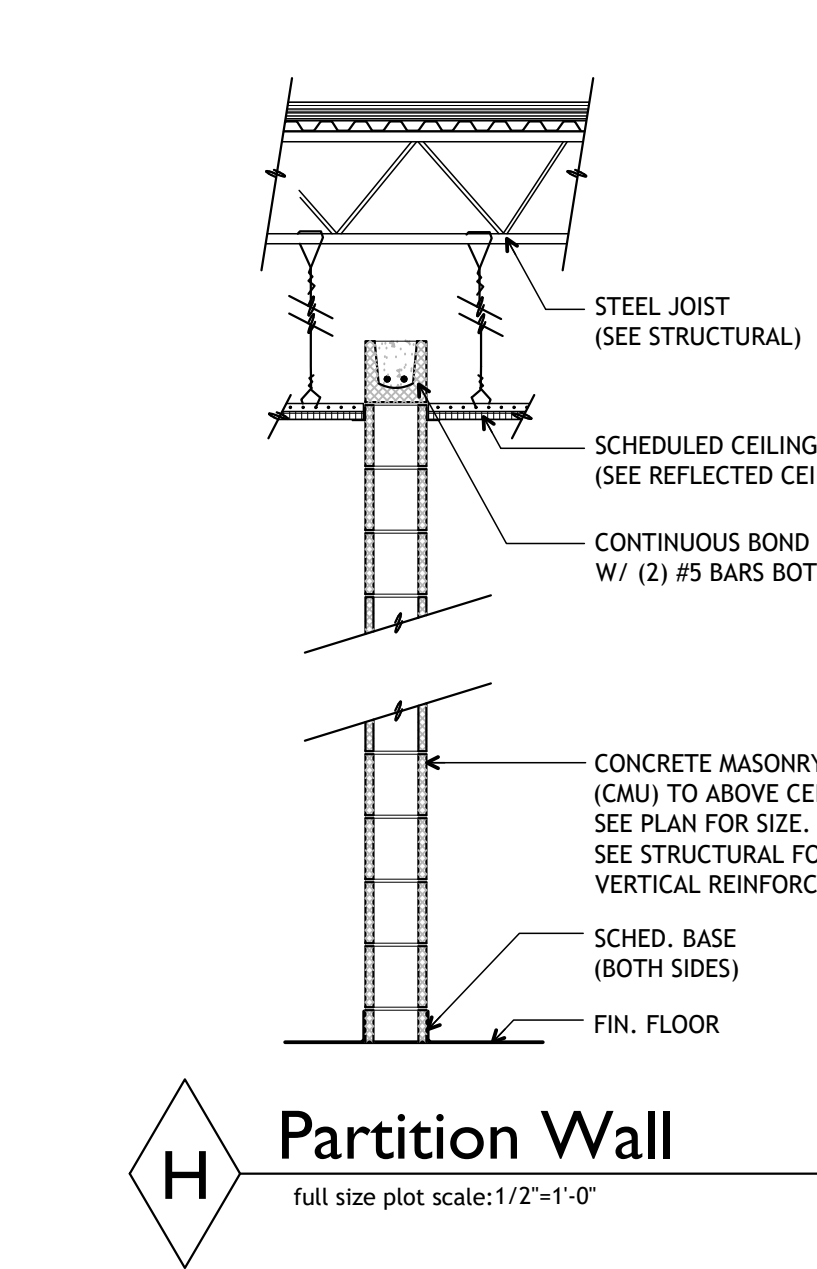
**A Partition Wall**  
full size plot scale: 1/2"=1'-0"



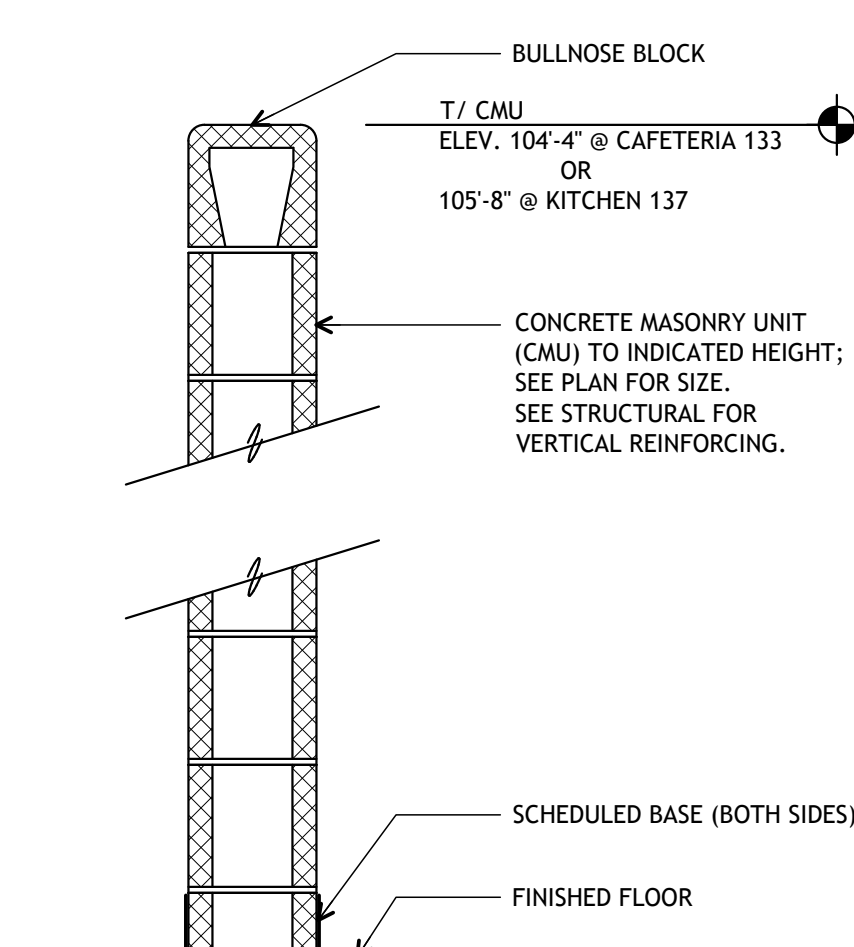
**K Partition Wall**  
full size plot scale: 1/2"=1'-0"



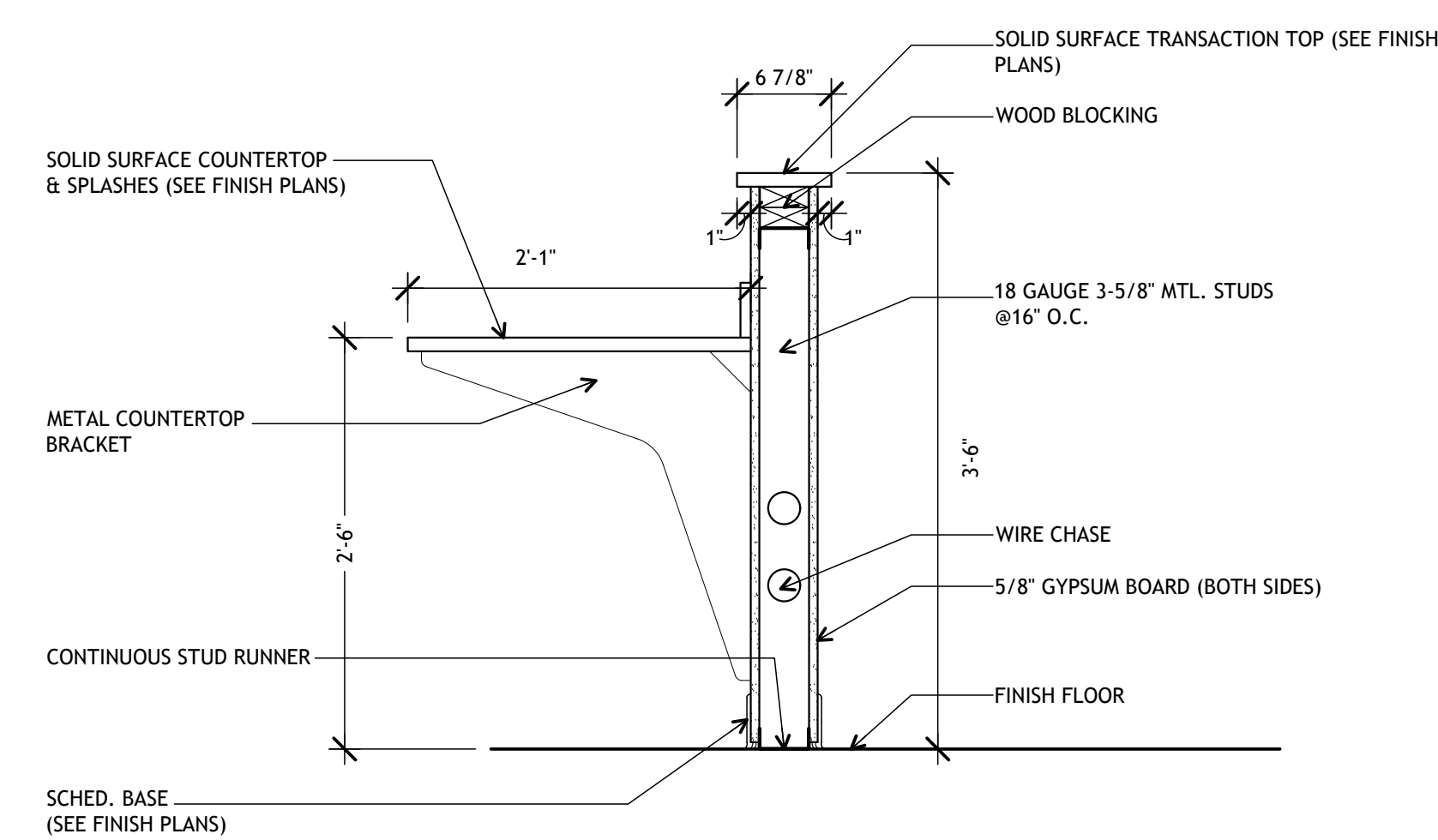
**J Partition Wall**  
full size plot scale: 1/2"=1'-0"



**H Partition Wall**  
full size plot scale: 1/2"=1'-0"

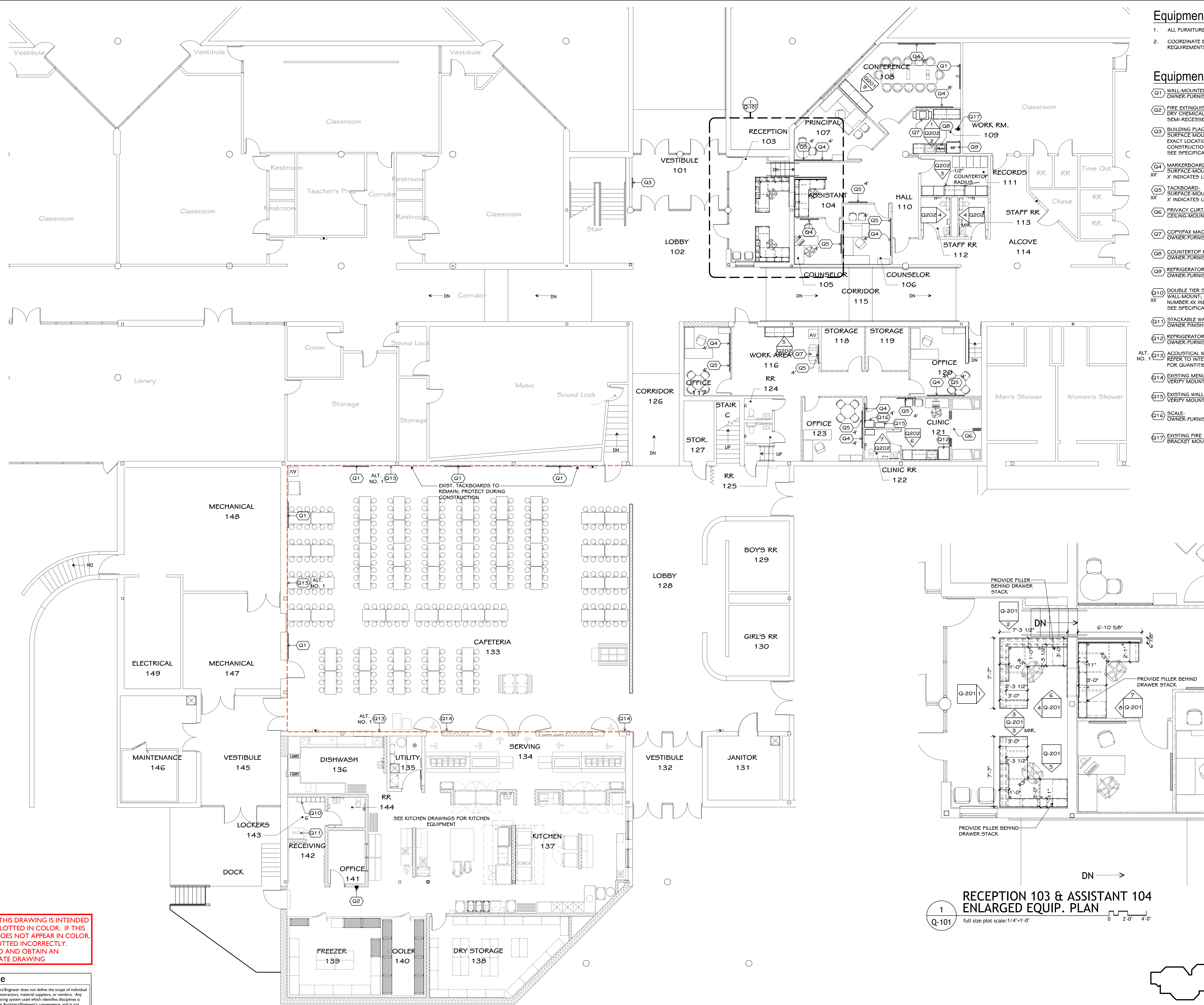


**2 PARTIAL HEIGHT CMU WALL**  
full size plot scale: 1"=1'-0"

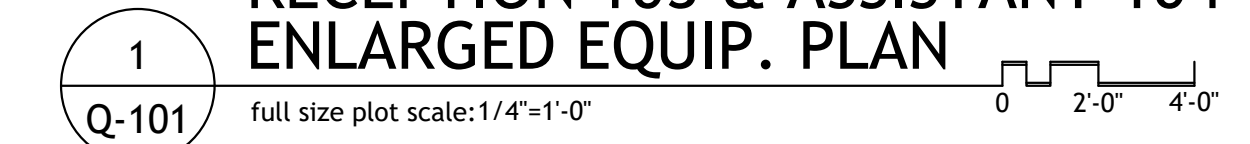


**1 PARTIAL HEIGHT STUD WALL**  
full size plot scale: 1"=1'-0"

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**RECEPTION 103 & ASSISTANT 104  
ENLARGED EQUIP. PLAN**  
full size plot scale: 1/4"=1'-0"



**Equipment Plan Notes**

- ALL FURNITURE SHOWN IS FOR REFERENCE ONLY.
- COORDINATE EQUIPMENT WITH POWER AND DATA REQUIREMENTS. SEE ELECTRICAL.

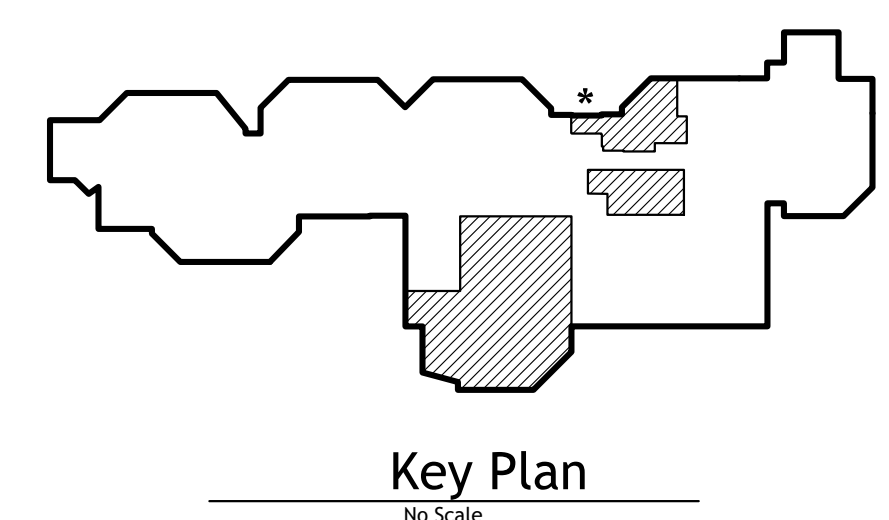
**Equipment Plan Keynotes**

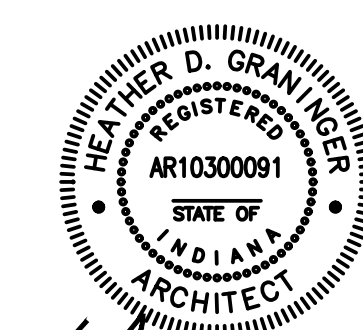
- Q1 WALL MOUNTED TELEVISION- OWNER-FURNISHED, OWNER-INSTALLED
- Q2 FIRE EXTINGUISHER- DRY CHEMICAL FIRE EXTINGUISHER; SEMI-RECESSED MOUNTED CABINET
- Q3 BUILDING PLAQUE- SURFACE MOUNTED; EXACT LOCATION TO BE DETERMINED DURING CONSTRUCTION; SEE SPECIFICATION SECTION 10 14 16.01
- Q4 MARKERBOARD- SURFACE-MOUNTED, MOUNT PER ADA; X INDICATES LENGTH X 4' HIGH
- Q5 TACKBOARD- SURFACE-MOUNTED, MOUNT PER ADA; X INDICATES LENGTH X 4' HIGH
- Q6 PRIVACY CURTAINS AND TRACKS- CEILING-MOUNTED CURTAIN TRACK WITH CUBICLE CURTAIN
- Q7 COPY/FAX MACHINE- OWNER-FURNISHED, OWNER-INSTALLED
- Q8 COUNTERTOP MICROWAVE- OWNER-FURNISHED, OWNER-INSTALLED
- Q9 REFRIGERATOR- OWNER-FURNISHED, OWNER-INSTALLED
- Q10 DOUBLE TIER SOLID PLASTIC KITCHEN STAFF LOCKERS- WALL-MOUNT; NUMBER XX INDICATES QUANTITY SEE SPECIFICATION SECTION 10 51 00.01
- Q11 STACKABLE WASHER/DRYER- OWNER FINISHED, OWNER INSTALLED
- Q12 REFRIGERATOR (APT. SIZE)- OWNER-FURNISHED, OWNER-INSTALLED
- Q13 ACOUSTICAL WALL PANELS- REFER TO INTERIOR ELEVATIONS ON 13005 FOR QUANTITIES AND COLORS
- Q14 EXISTING MENU BOARDS- VERIFY MOUNTING HEIGHT WITH OWNER
- Q15 EXISTING WALL MOUNTED NARCOTICS CABINET- VERIFY MOUNTING HEIGHT WITH OWNER
- Q16 SCALE- OWNER-FURNISHED, OWNER-INSTALLED
- Q17 EXISTING FIRE EXTINGUISHER- BRACKET MOUNTED

**NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING**

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**EQUIPMENT PLAN**  
1/8" = 1'-0"





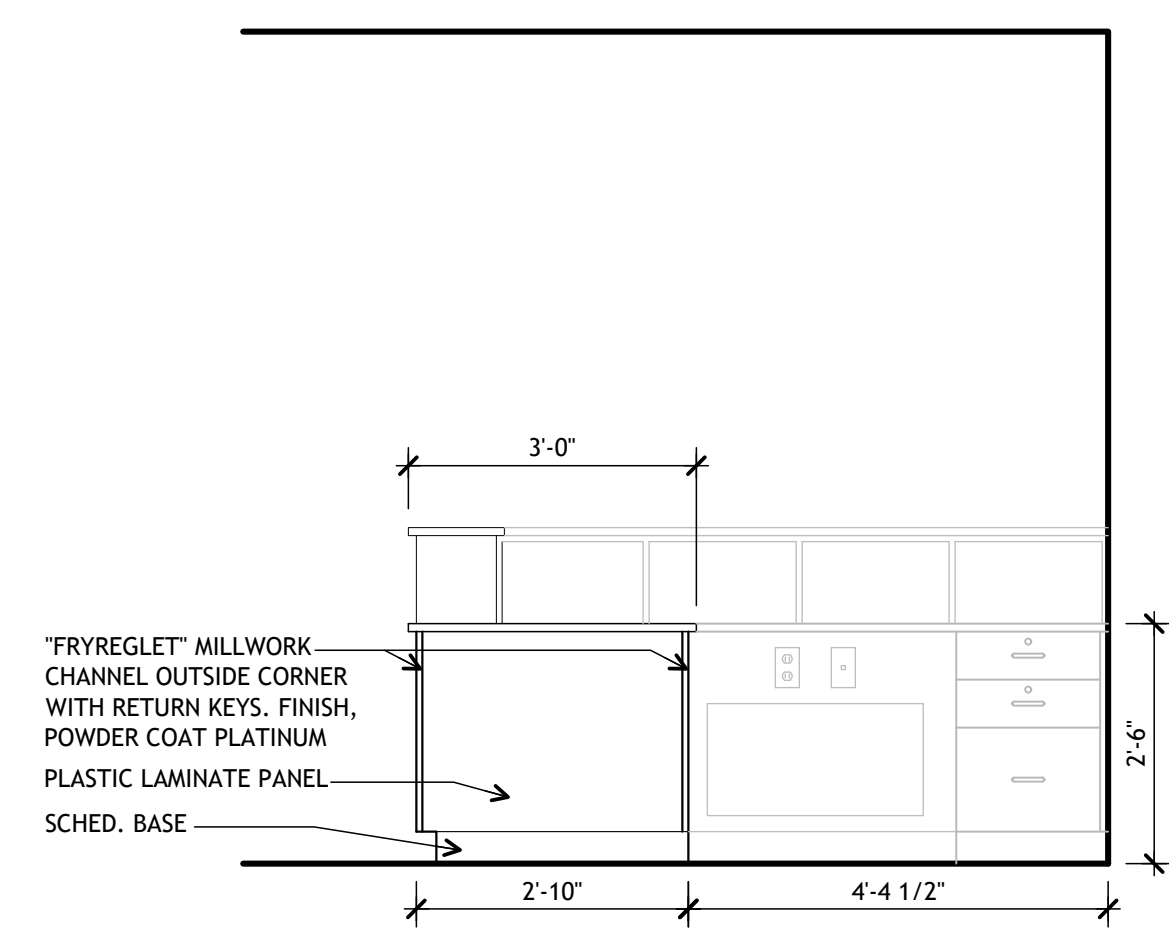
Andrew D. Graninger  
ARCHITECT

ISSUED FOR DATE  
Public Bidding 04-03-2024

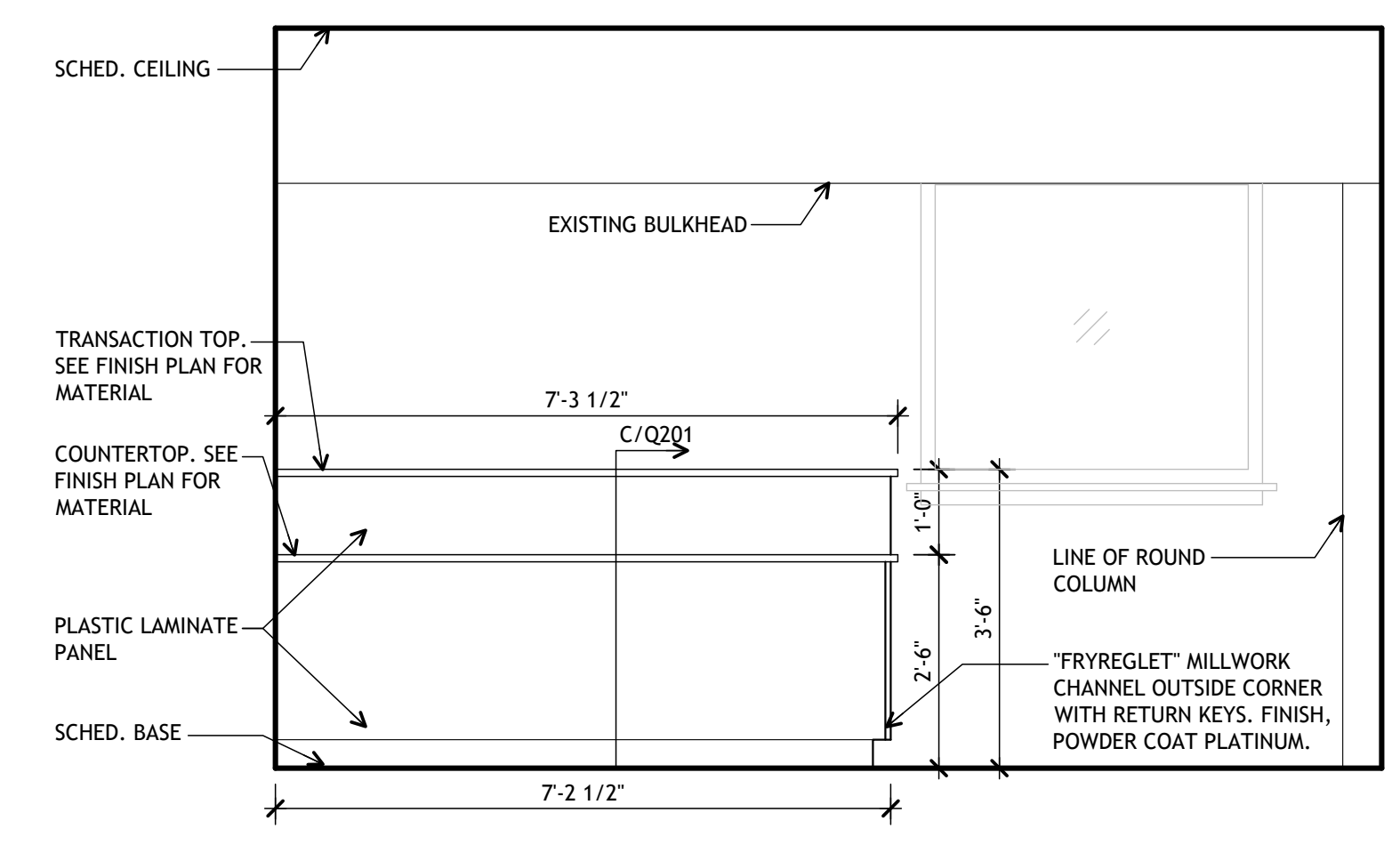
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

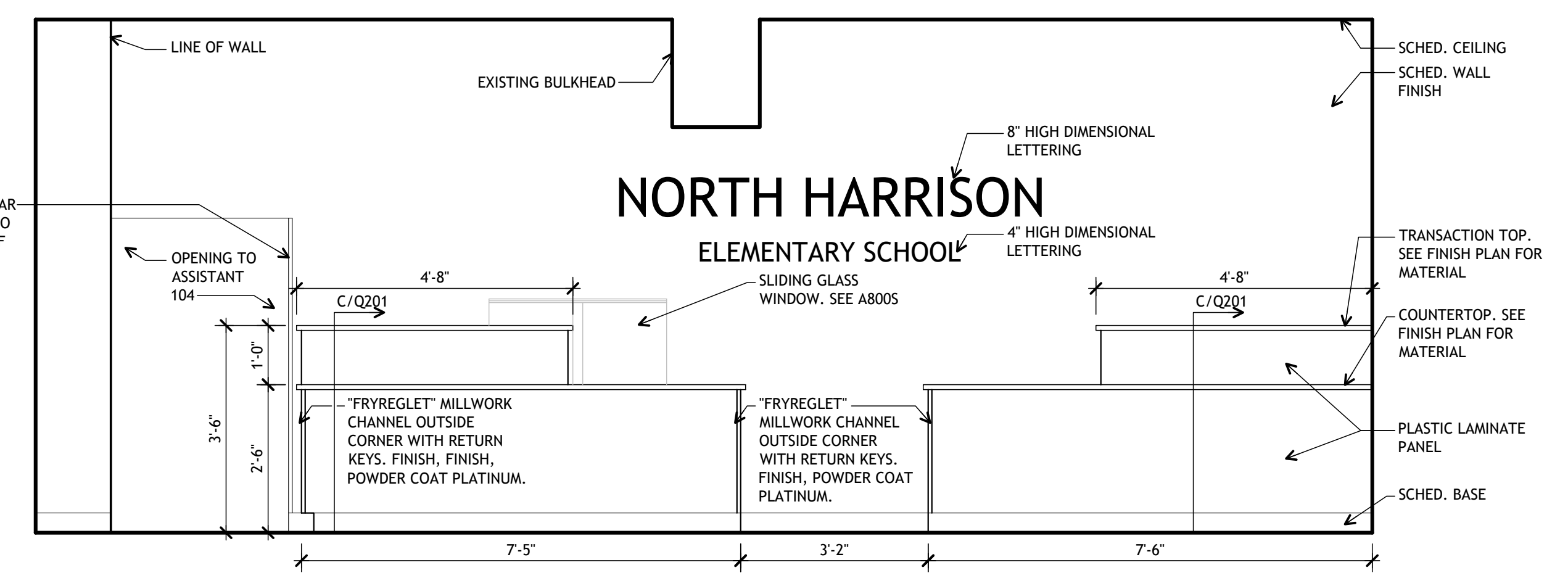
SHEET TITLE  
CASEWORK ELEVATIONS & DETAILS  
DATE  
APRIL 3, 2024  
SHEET NUMBER  
Q-201  
23-228.001



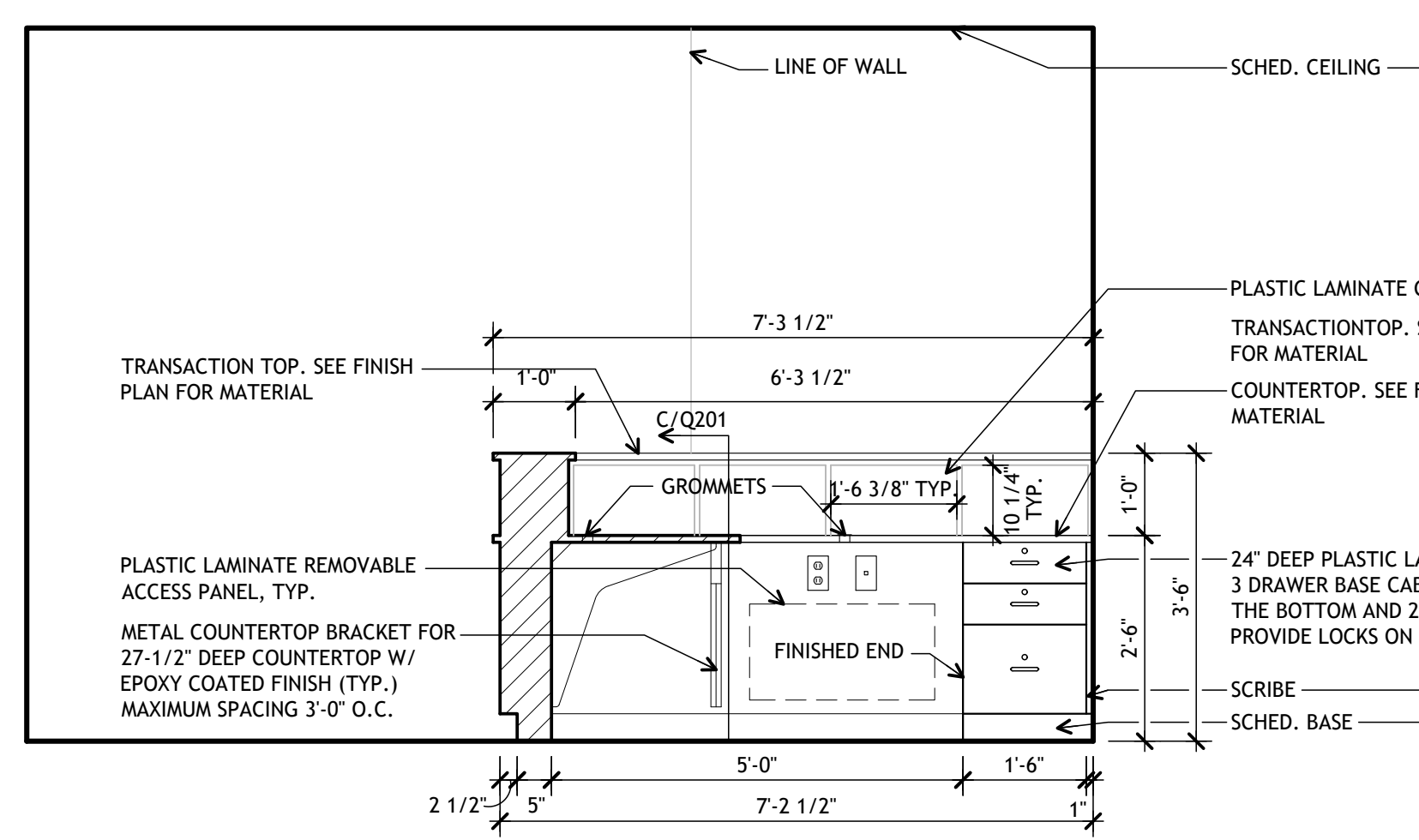
3  
Q-201  
RECEPTION 103  
NORTH/SOUTH ELEVATION  
full size plot scale: 1/2"=1'-0"



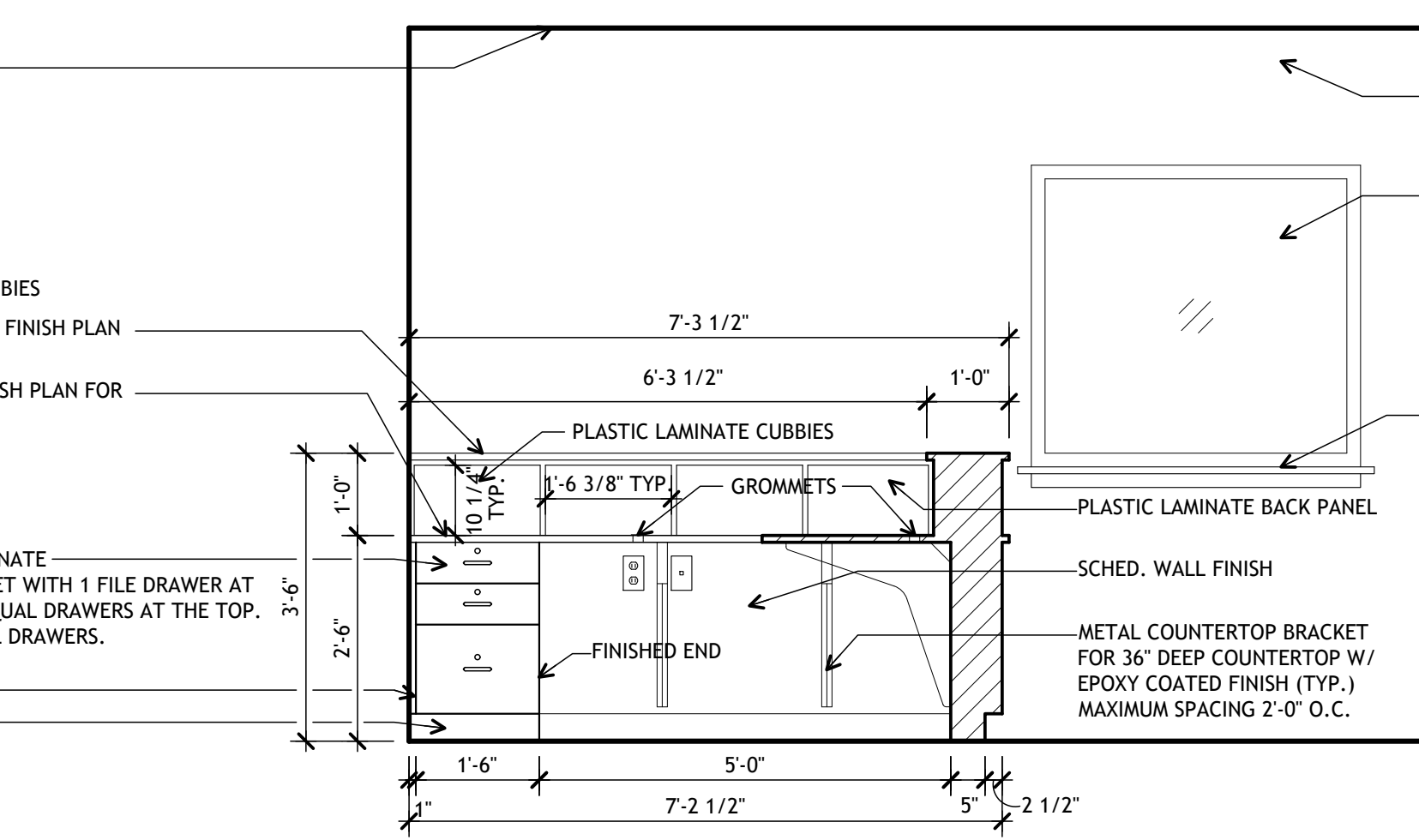
2  
Q-201  
RECEPTION 103  
SOUTH ELEVATION  
full size plot scale: 1/2"=1'-0"



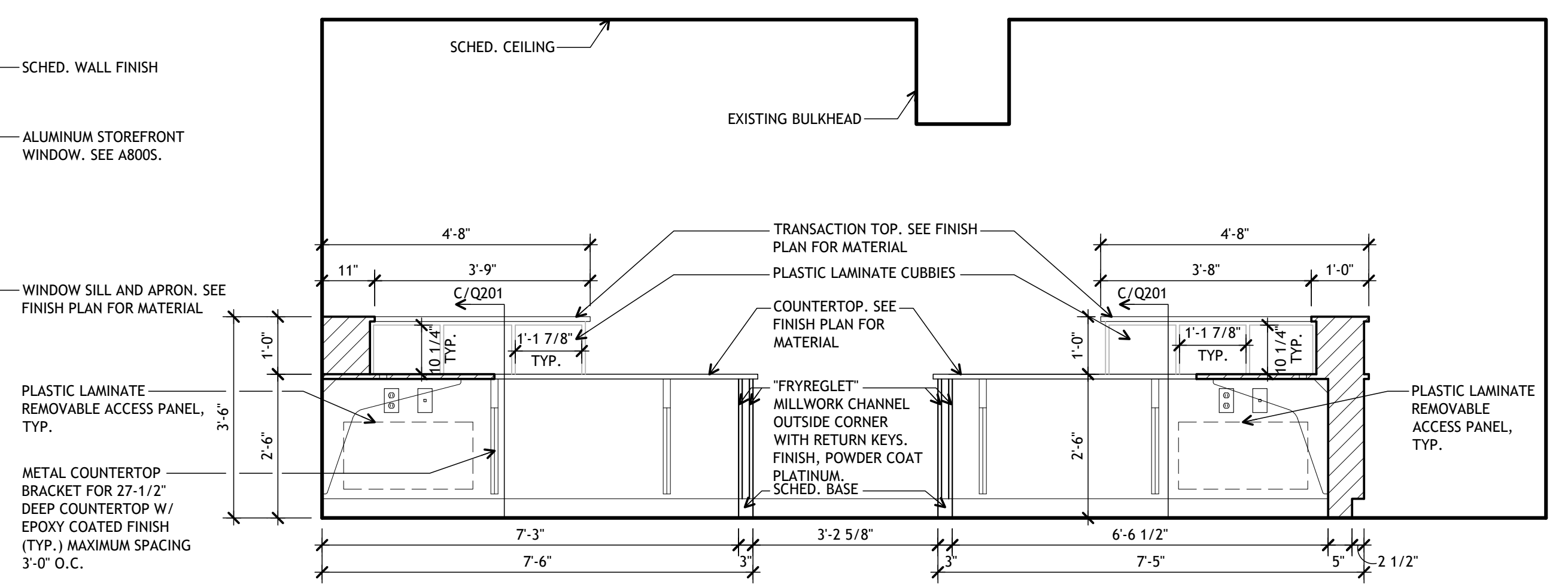
1  
Q-201  
RECEPTION 103  
EAST ELEVATION  
full size plot scale: 1/2"=1'-0"



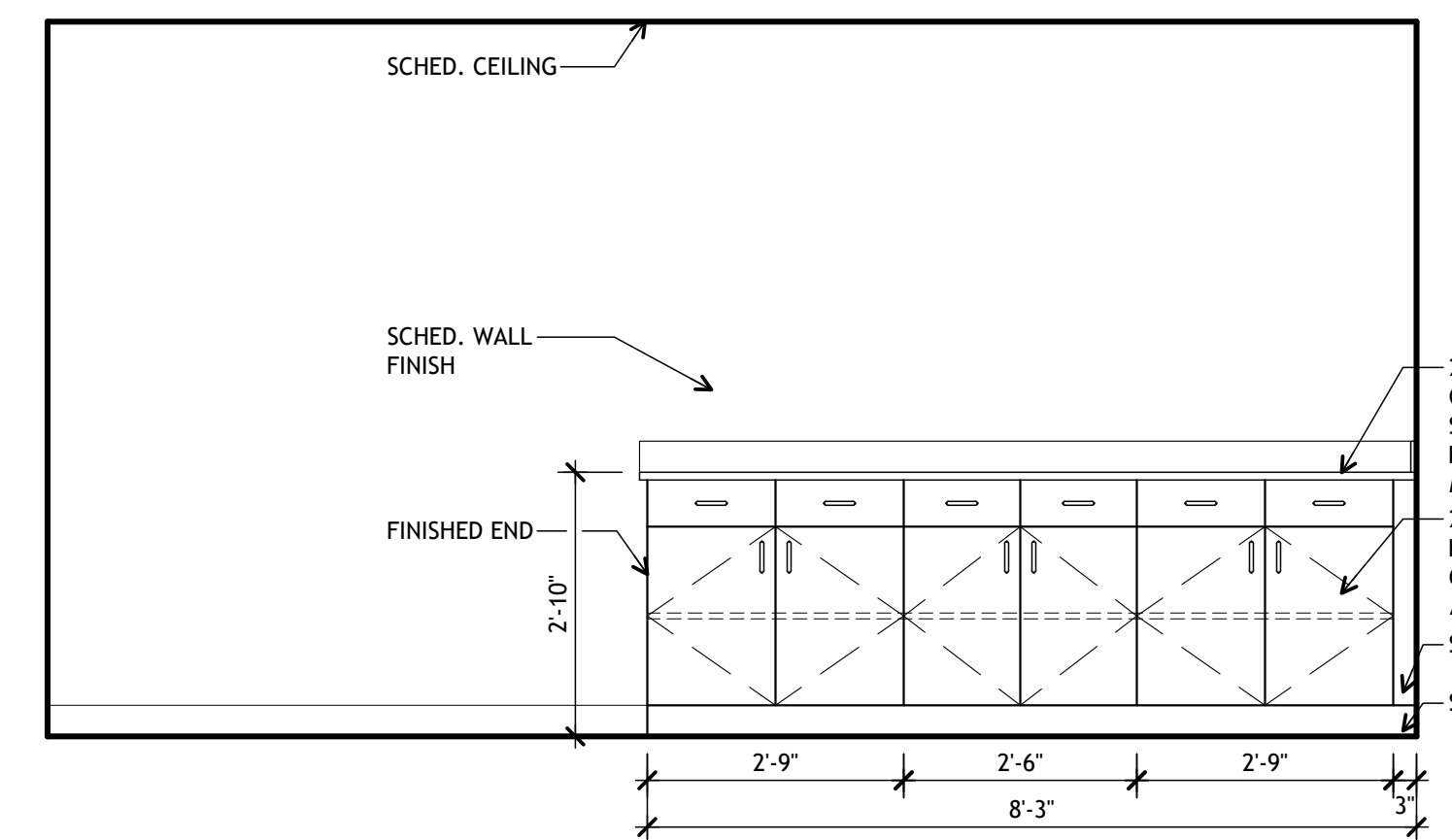
6  
Q-201  
RECEPTION 103  
NORTH ELEVATION  
full size plot scale: 1/2"=1'-0"



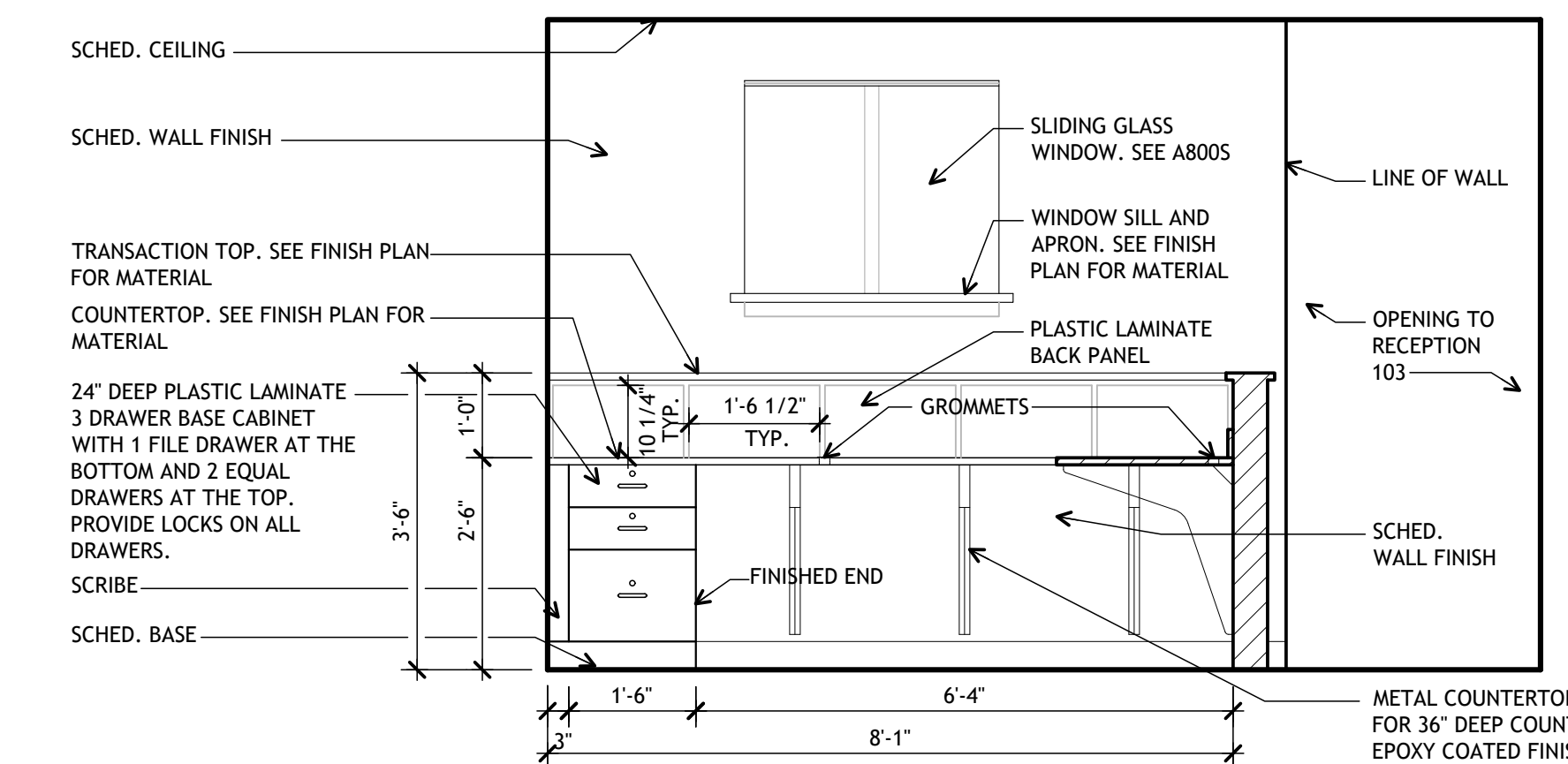
5  
Q-201  
RECEPTION 103  
SOUTH ELEVATION  
full size plot scale: 1/2"=1'-0"



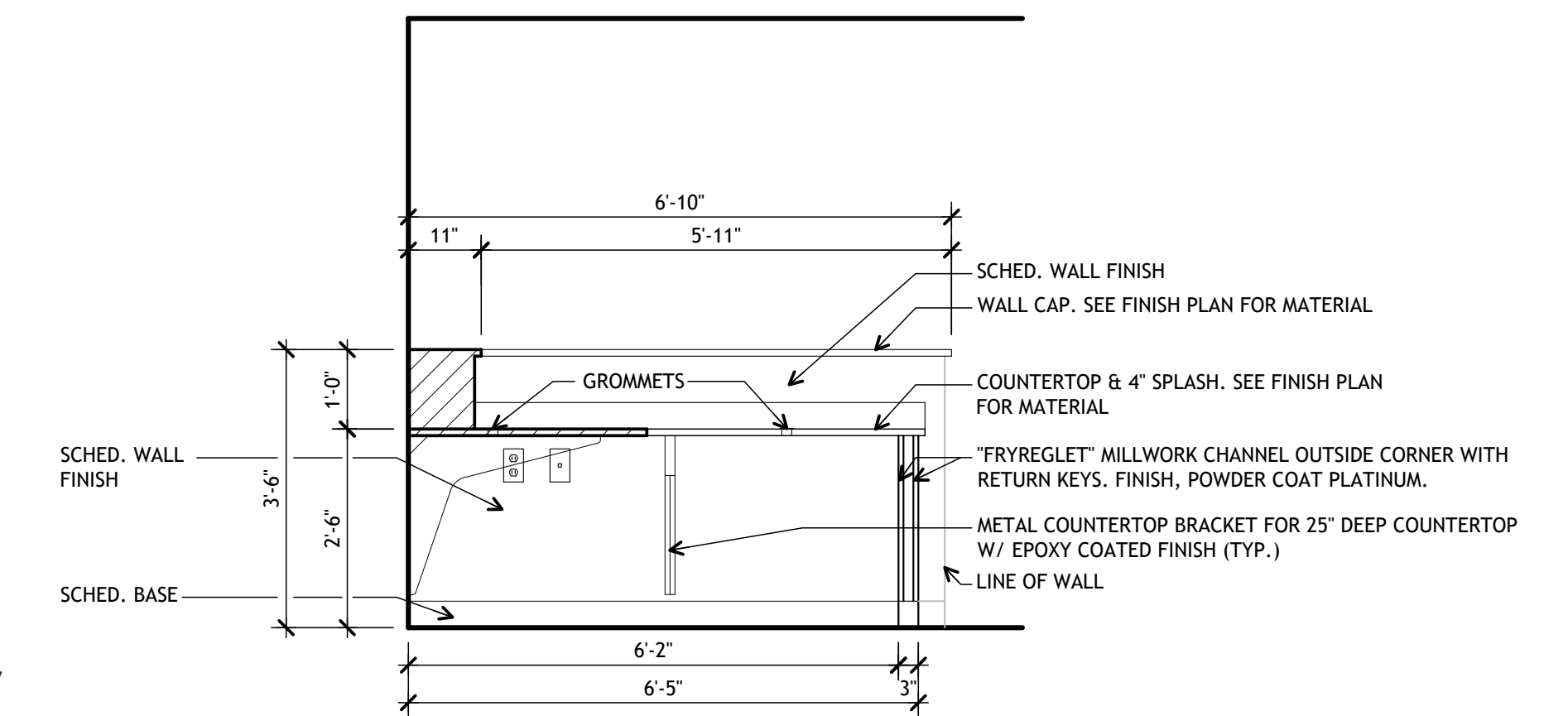
4  
Q-201  
RECEPTION 103  
WEST ELEVATION  
full size plot scale: 1/2"=1'-0"



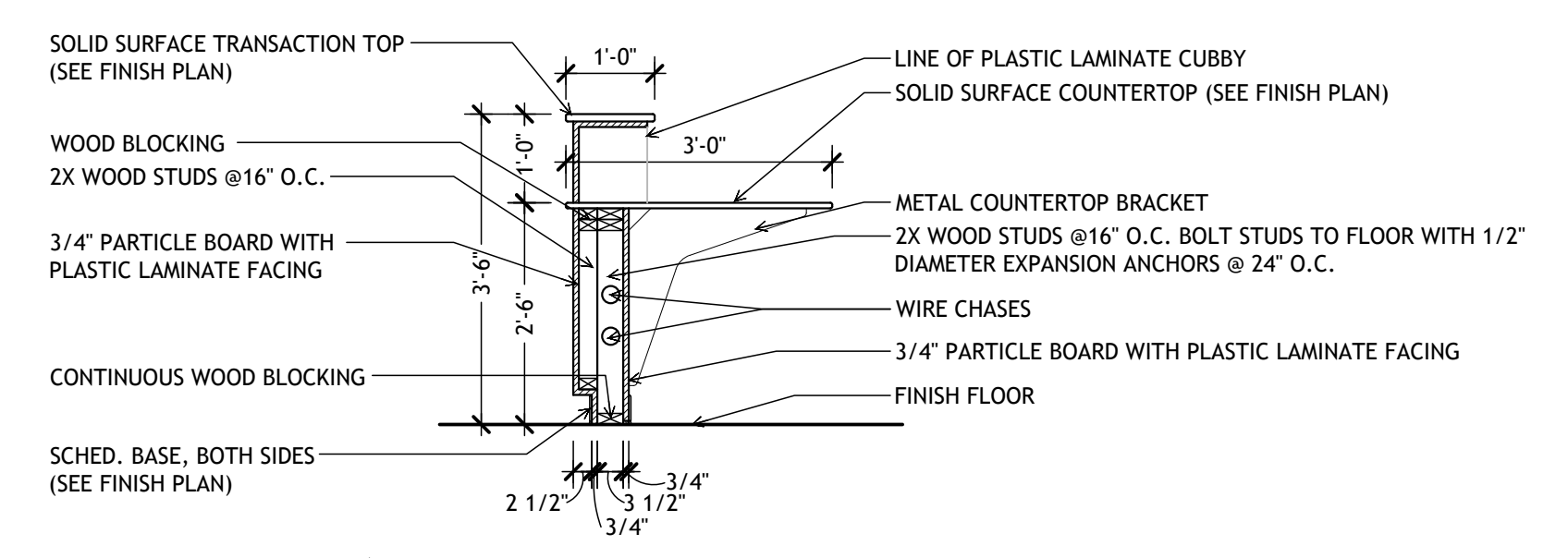
9  
Q-201  
CONFERENCE 108  
SOUTH-WEST ELEVATION  
full size plot scale: 1/2"=1'-0"



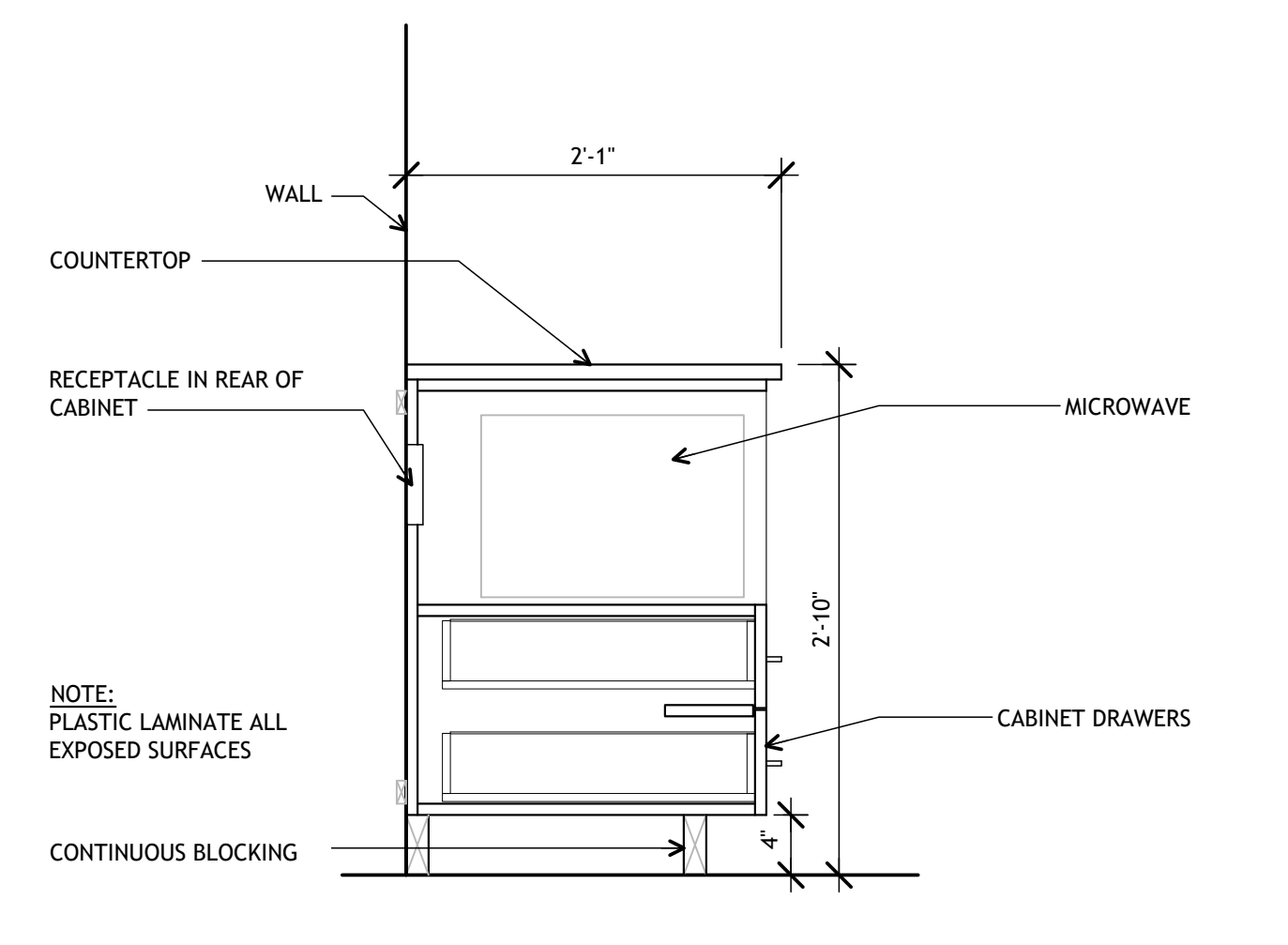
8  
Q-201  
ASSISTANT 104  
WEST ELEVATION  
full size plot scale: 1/2"=1'-0"



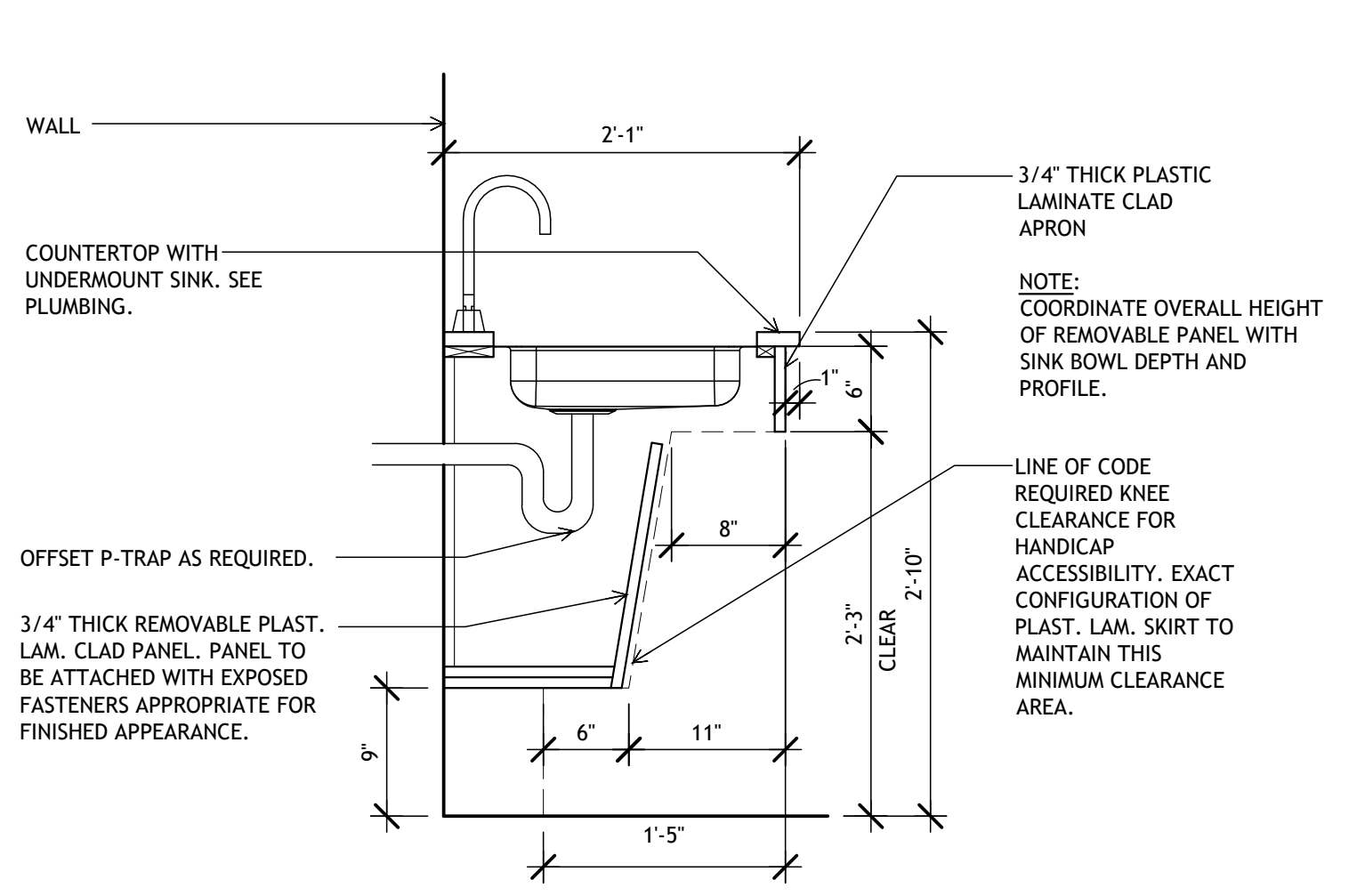
7  
Q-201  
ASSISTANT 104  
NORTH ELEVATION  
full size plot scale: 1/2"=1'-0"



C  
PARTITION WALL DETAIL  
full size plot scale: 1/2"=1'-0"



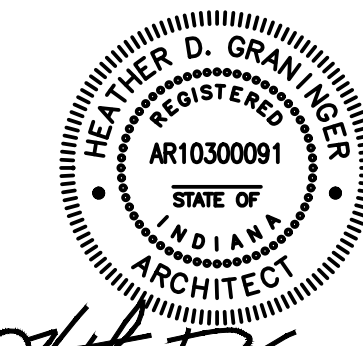
B  
Q-201  
MICROWAVE CABINET DETAIL  
full size plot scale: 1"=1'-0"



A  
Q-201  
SINK DETAIL  
full size plot scale: 1"=1'-0"

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.





*Stephen D. Graninger*  
ARCHITECT

ISSUED FOR PUBLIC BIDDING DATE  
Public Bidding 04-03-2024

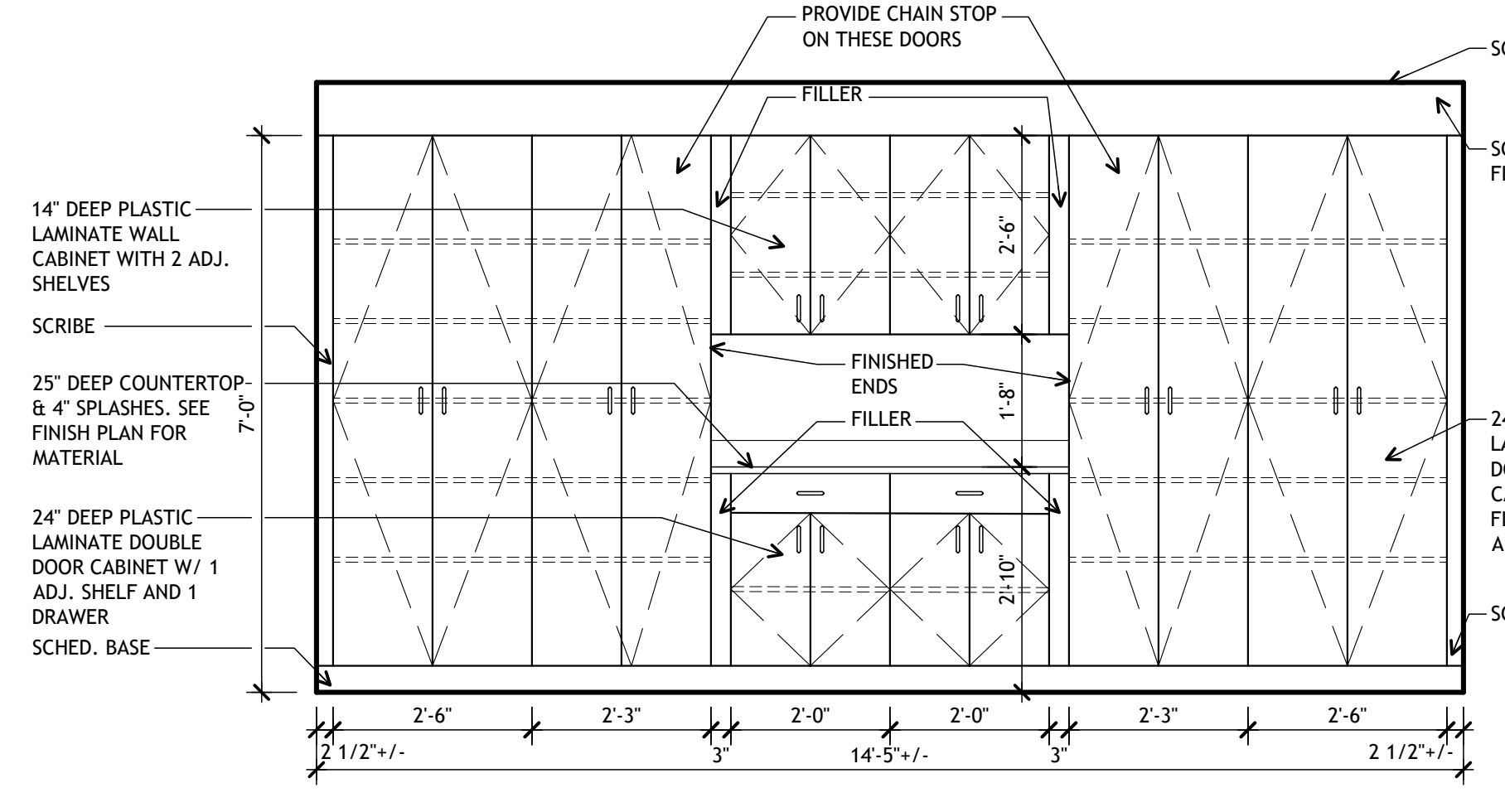
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

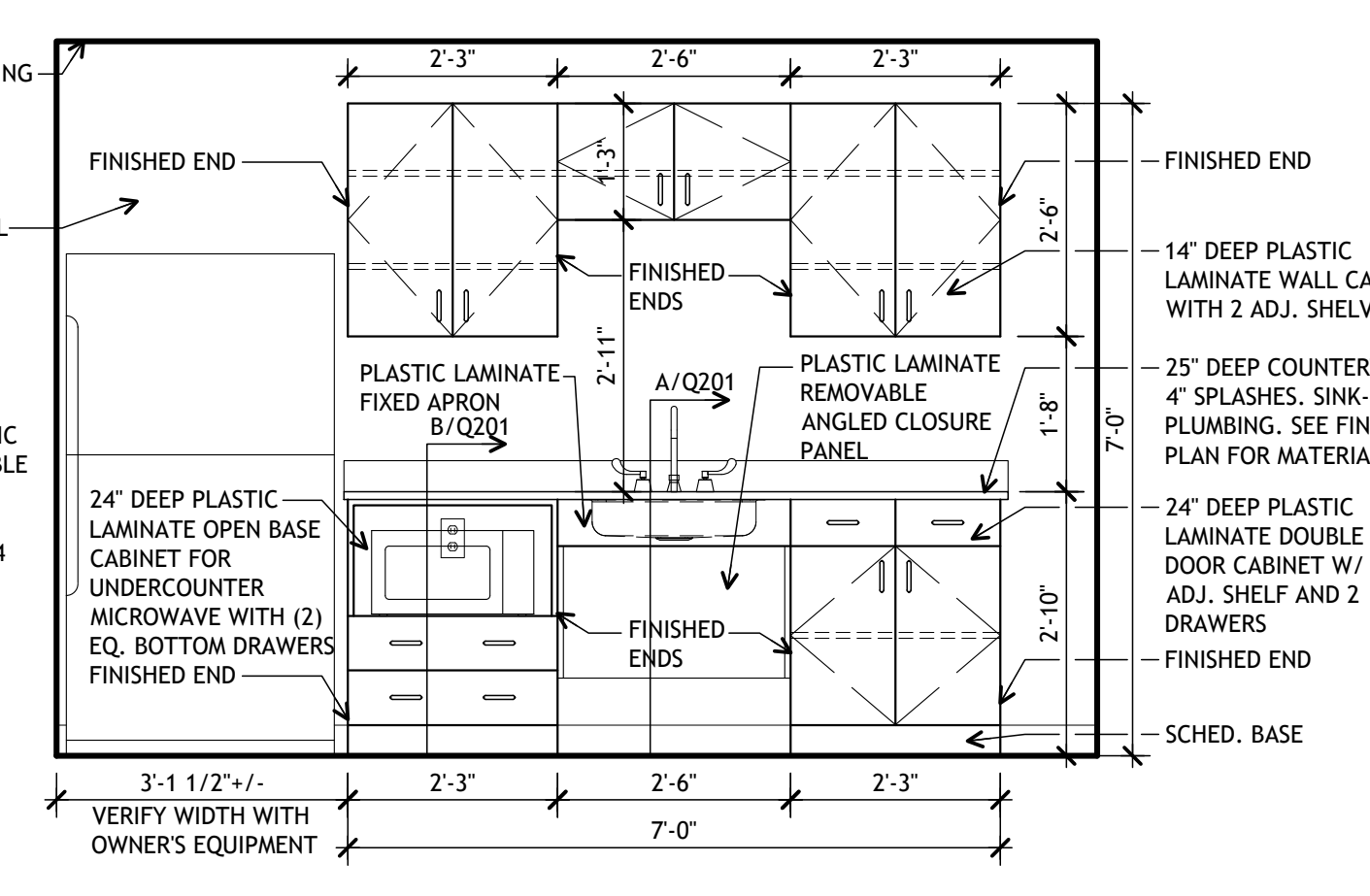
SHEET TITLE  
CASEWORK ELEVATIONS

DATE  
APRIL 3, 2024

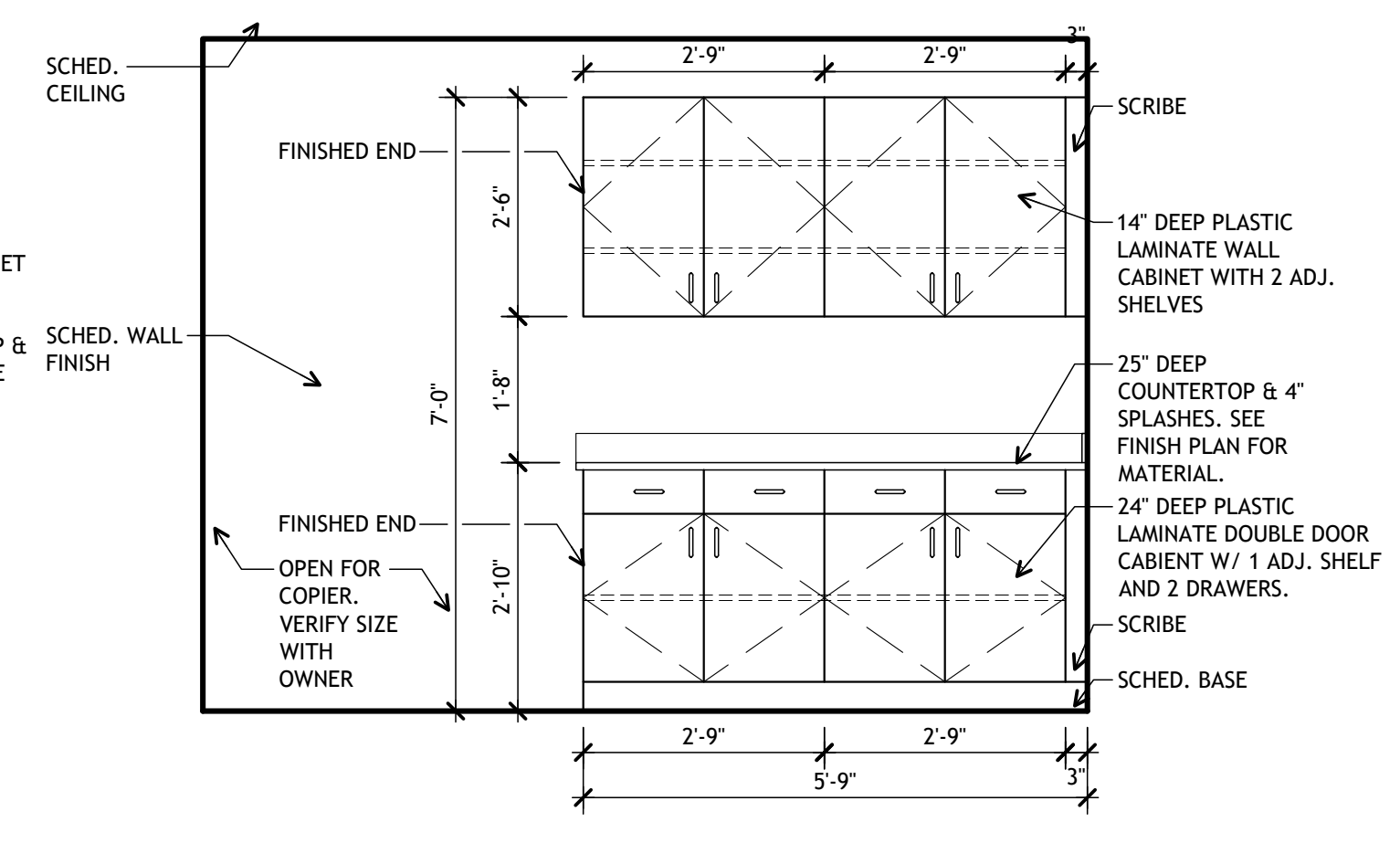
SHEET NUMBER  
**Q-202**  
23-228.001



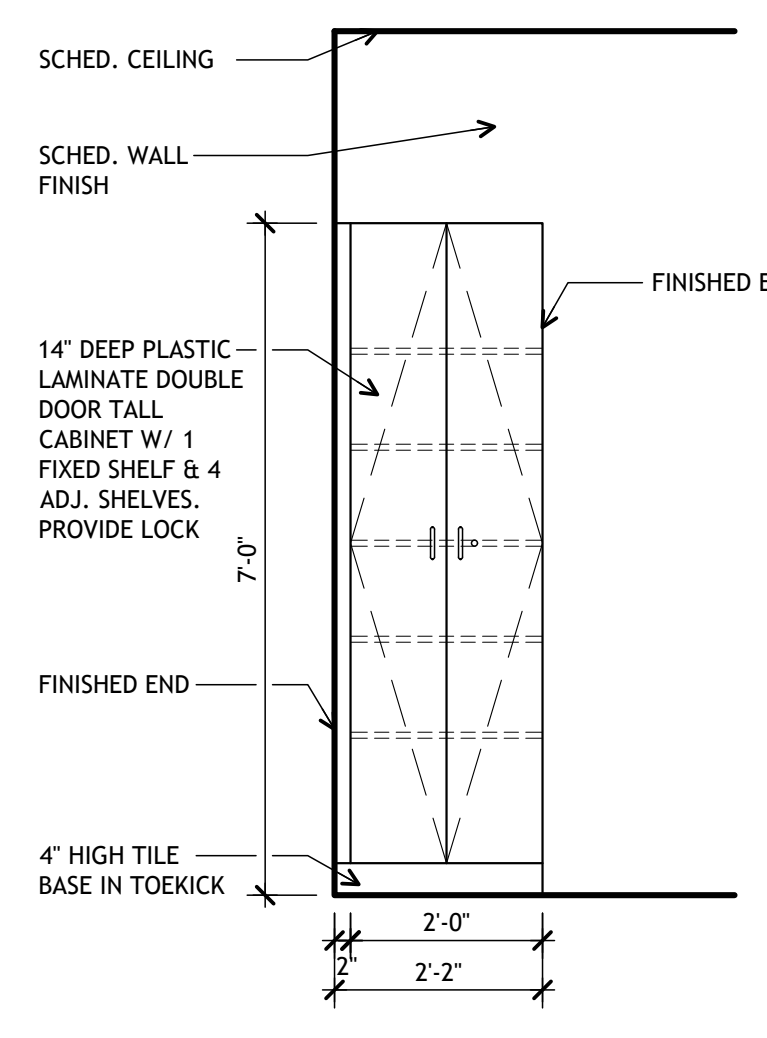
**3**  
RECORDS 111  
SOUTH ELEVATION  
Q-202 full size plot scale: 1/2"=1'-0"



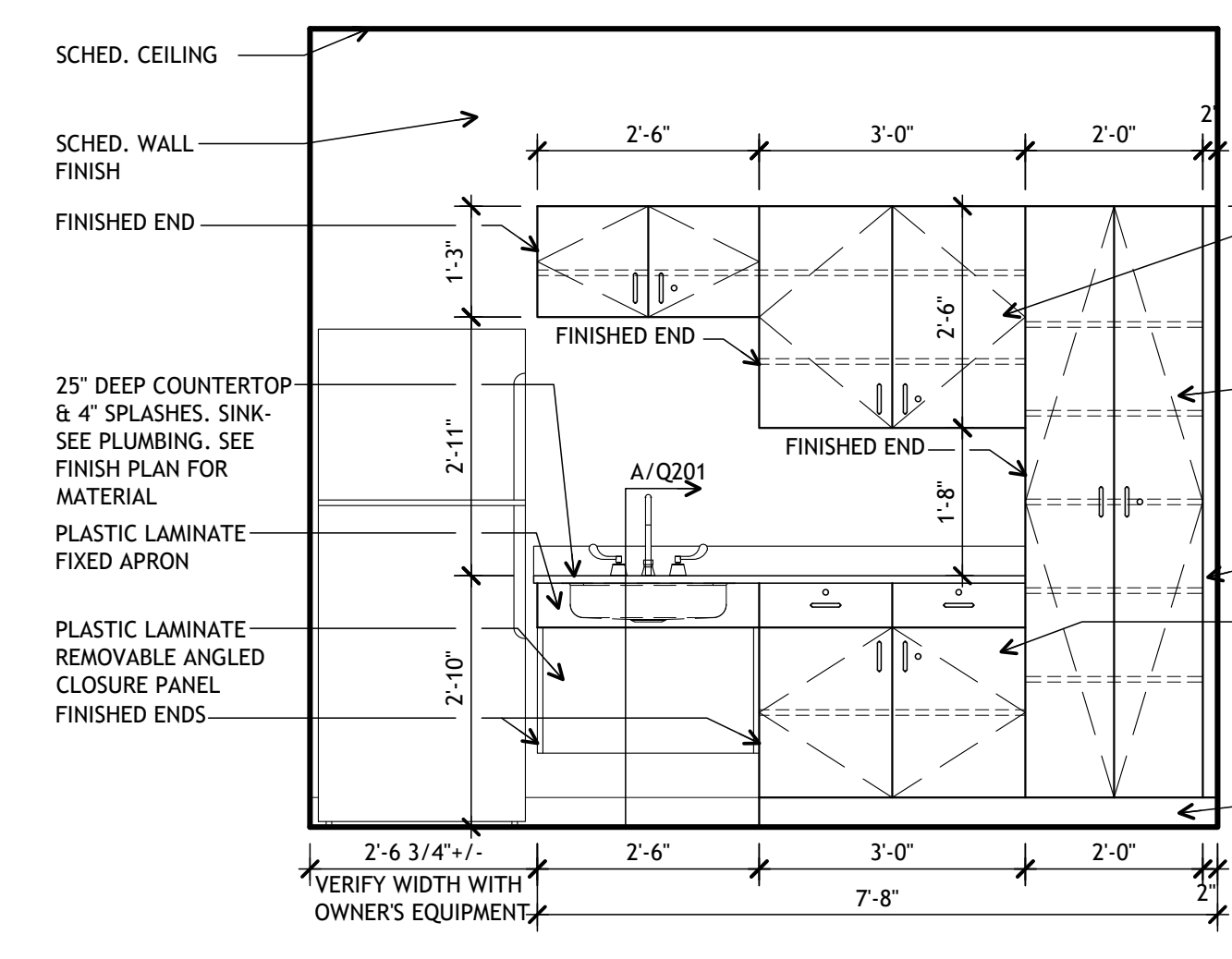
**2**  
WORK RM 109  
SOUTH ELEVATION  
Q-202 full size plot scale: 1/2"=1'-0"



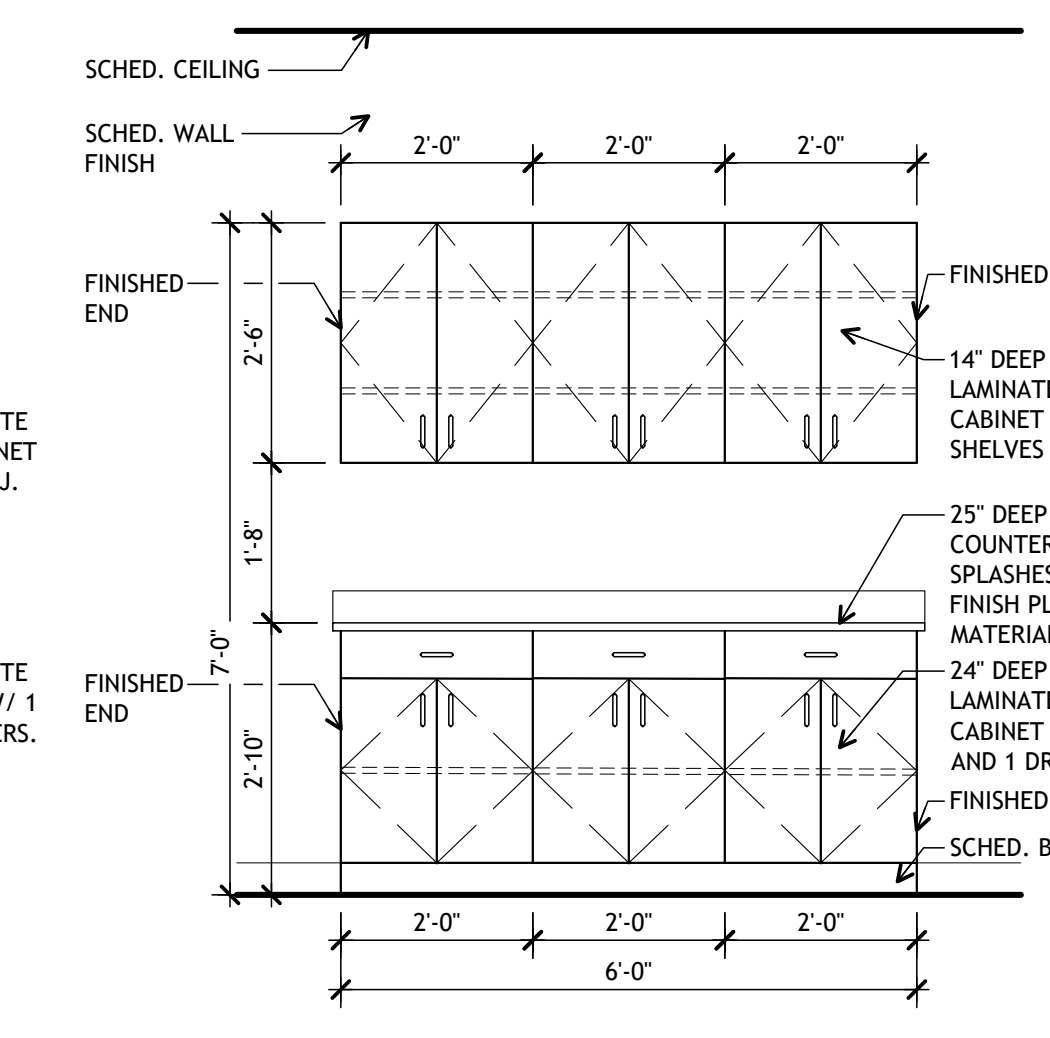
**1**  
WORK RM 109  
NORTH ELEVATION  
Q-202 full size plot scale: 1/2"=1'-0"



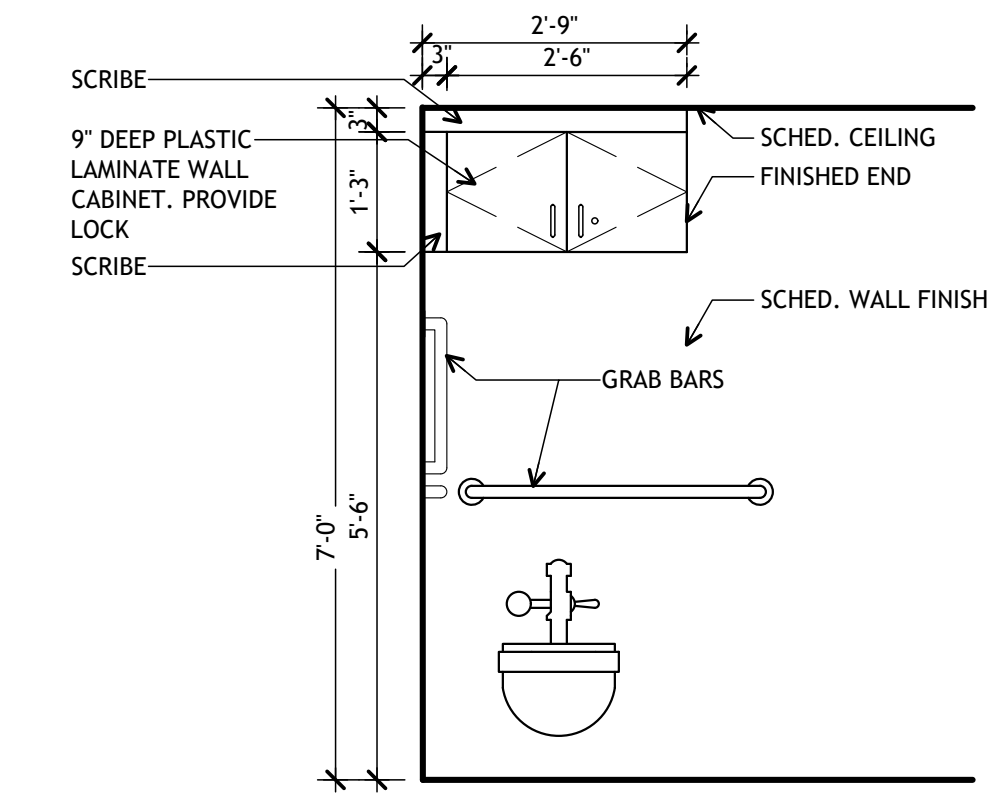
**7**  
CLINIC RR 122  
NORTH ELEVATION  
Q-202 full size plot scale: 1/2"=1'-0"



**6**  
CLINIC 121  
SOUTH ELEVATION  
Q-202 full size plot scale: 1/2"=1'-0"



**5**  
WORK ROOM 116  
NORTH ELEVATION  
Q-202 full size plot scale: 1/2"=1'-0"



**4**  
STAFF RR 112 & 113  
EAST & WEST ELEVATION  
Q-202 full size plot scale: 1/2"=1'-0"

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

### General Finish Notes

- CONTRACTOR IS RESPONSIBLE TO PROVIDE A SMOOTH AND LEVEL TRANSITION BETWEEN DIFFERING FLOOR FINISHES. CONTRACTOR TO PROVIDE TRANSITION STRIP BETWEEN ALL DISSIMILAR FLOORING MATERIALS. SEE SPECIFICATIONS FOR FLOORING TRANSITION STRIPS.
- ALL NOTATIONS ARE INTENDED TO INDICATE FINISHES FOR ENTIRE AREA OF ITEM AND ALL EXPOSED SURFACES, INCLUDING WALL-TO-WALL, FLOOR-TO-CEILING, ENTIRE LENGTH OF SURFACE, ALL SIDES, ALL EDGES, AND ALL ASSOCIATED COMPONENTS, UNLESS OTHERWISE NOTED.
- ALL COLUMNS IN ROOMS AND AREAS ARE TO BE FINISHED TO MATCH WALL SURFACES OF THAT SPACE OR ADJACENT WALLS, UNLESS OTHERWISE NOTED.
- SEE REFLECTED CEILING PLANS FOR ALL CEILING HEIGHTS AND CLARIFICATION OF MATERIALS.
- CONTRACTOR IS RESPONSIBLE FOR CAULKING AROUND DOOR FRAMES WHERE LVT FLOORING IS SCHEDULED.
- ALL ITEMS IN EXPOSED CEILING AREAS ARE TO BE FINISH PAINTED THE SAME COLOR SO AS TO CREATE A UNIFORM AND CONSISTENT AESTHETIC IN THE CEILING. INCLUDES, BUT NOT LIMITED TO: ALL STRUCTURAL COMPONENTS, DECKING, PIPING CONDUIT, DUCTWORK, INSULATION, MECHANICAL EQUIPMENT, MISCELLANEOUS ITEMS, HANGERS, SUPPORTS, ETC.

### Flooring

- C1** MODULAR WALK-OFF CARPET TILE - "INTERFACE" 19.69" x 19.69" PATTERN: SR499 COLOR: IRON 104940 INSTALLATION METHOD: MONOLITHIC
- C2** MODULAR CARPET TILE - "INTERFACE" 9.845" x 39.36" PATTERN: BITRATE COLOR: DARK BLUE 106305 INSTALLATION METHOD: ASHLAR
- ST** RUBBER STAIR TREADS AND RISERS - "TARKETT" ANGLE FIT RUBBER STAIR TREADS WITH INTEGRATED RISER FINISH: RICE PAPER COLOR: T46 BEDROCK WITH 2" VISUALLY IMPAIRED RUBBER INSERT COLOR: 55 SILVER GRAY REFER TO SECTIONS FOR NUMBER OF RISERS
- V1** LUXURY VINYL TILE - "INTERFACE" 9.845" x 39.36", 22 MIL WEAR LAYER PATTERN: STUDIO SET COLOR 1 (FIELD)- FEWTER A00702 COLOR 2 (ACCENT)- IRIS A00708 COLOR 3 (ACCENT)- MARIGOLD A00712 COLOR 4 (ACCENT)- CHARTREUSE A00715 COLOR 5 (ACCENT)- ROYAL BLUE A00720 COLOR 6 (ACCENT)- ORANGE A00716 SEE FLOOR PATTERN ON I-201
- V2** VCT - MATCH EXISTING PATTERN. SEE PHOTO 2/100 COLOR 1 - TO BE SELECTED COLOR 2 - TO BE SELECTED
- FT** PORCELAIN FLOOR TILE - "PORTOBELLO AMERICA" 12" x 24" PATTERN: ST. MARTIN COLOR: ASH INSTALLATION - 33% OFFSET. LONG LEG OF TILE TO RUN PARALLEL TO DOOR. GROUT COLOR TO BE SELECTED BY ARCHITECT
- SC** SEALED CONCRETE - "SONNEBORN" "KURE-N-SEAL" COLOR: CLEAR (1) ADDITIONAL COAT BEYOND THAT SPECIFIED. (SEE SPECIFICATION SECTION 03 30 00) FOLLOWING CLEANING & PRIOR TO FINAL INSPECTION.
- EF** EXISTING FLOORING - NO FINISH WORK REQUIRED UNLESS OTHERWISE NOTED

### Base

- B1** RUBBER COVE BASE - "JOHNSONITE" TRADITIONAL WALL BASE COLOR: BEDROCK 4" HIGH WITH 1/2" TOE
- B2** PORCELAIN COVE TILE BASE - "PORTOBELLO AMERICA" 6" x 12" PATTERN: ST. MARTIN COLOR: SILVER
- B3** RUBBER COVE BASE - "JOHNSONITE" TRADITIONAL WALL BASE COLOR: TO MATCH EXISTING 4" HIGH WITH 1/2" TOE
- WB** NO BASE - NO SEPARATE WALL BASE REQUIRED
- EB** EXISTING BASE - NO FINISH WORK REQUIRED UNLESS OTHERWISE NOTED

### FINISH SCHEDULE

### Walls

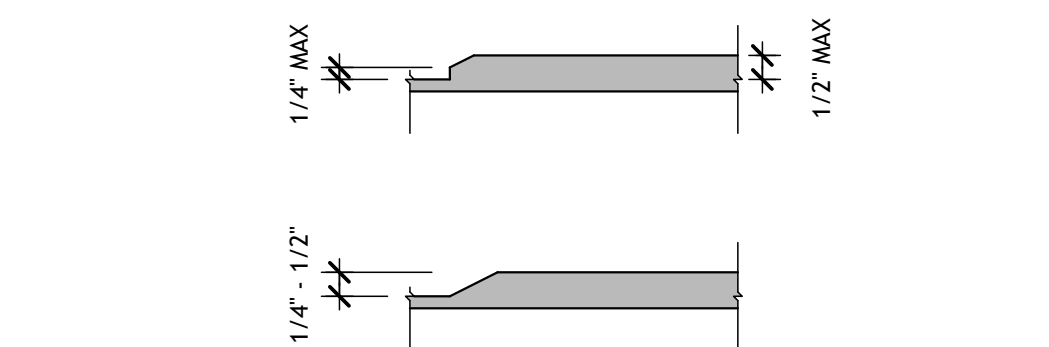
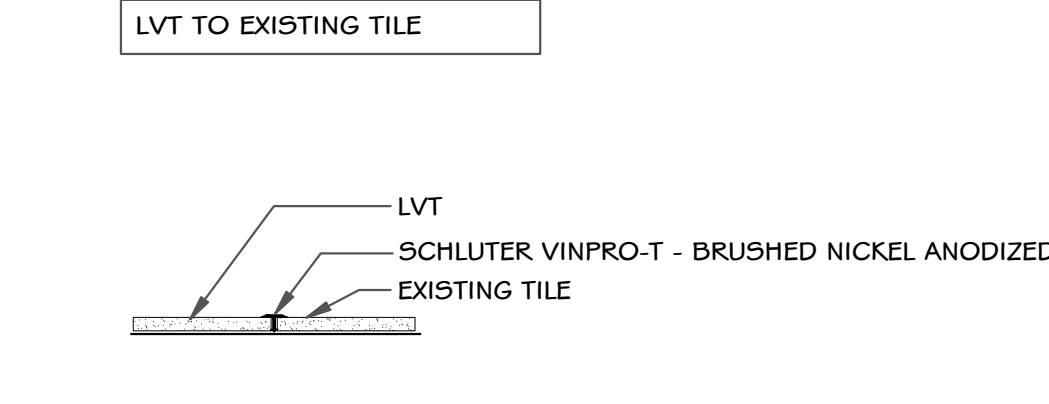
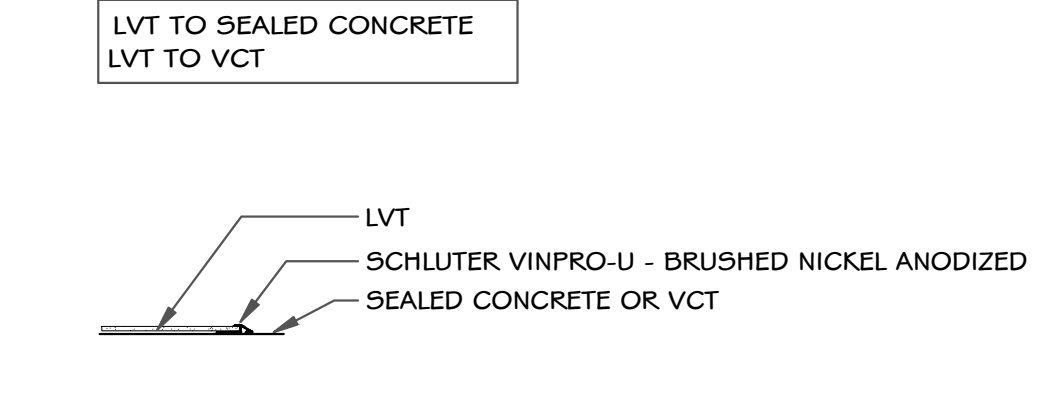
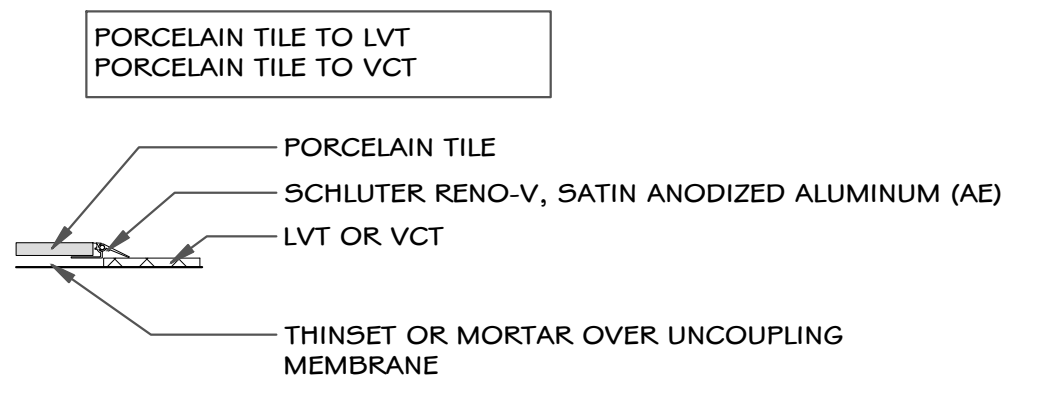
- W1** PAINT - "SHERWIN WILLIAMS" COLOR: SW7063 NEBULOUS WHITE
- W2** PAINT - "SHERWIN WILLIAMS" COLOR: SW7649 SILVERPLATE
- W3** PAINT - "SHERWIN WILLIAMS" COLOR: SW7064 PASSIVE
- W4** PAINT - FINISH PAINT, ALL EXPOSED SURFACES "SHERWIN WILLIAMS" COLOR TO MATCH EXISTING
- W5** PAINT - COLOR 1 - FINISH PAINT, FLOOR TO 7'-0", "SHERWIN WILLIAMS" COLOR: SW7649 SILVERPLATE COLOR 2 - FINISH PAINT, 7'-0" TO BOTTOM OF GYP. BD., "SHERWIN WILLIAMS" COLOR: SW7063 NEBULOUS WHITE COLOR 3 - FINISH PAINT, BOTTOM OF GYP. BD. TO ROOF DECK, "SHERWIN WILLIAMS" COLOR: SW7006 EXTRA WHITE SEE INTERIOR ELEVATIONS ON I3005
- W6** VINYL WALLCOVERING - "MOMENTUM" PATTERN: ARROW-SMITH COLOR: AZ53517 COBALT CREST
- W7** PORCELAIN WALL TILE - "PORTOBELLO AMERICA" 12" x 24" PATTERN: ST. MARTIN COLOR: SILVER GROUT COLOR TO BE SELECTED BY ARCHITECT SEE ELEVATIONS ON I301
- W8** EXISTING WALL FINISH - NO FINISH WORK REQUIRED UNLESS OTHERWISE NOTED

### Ceilings

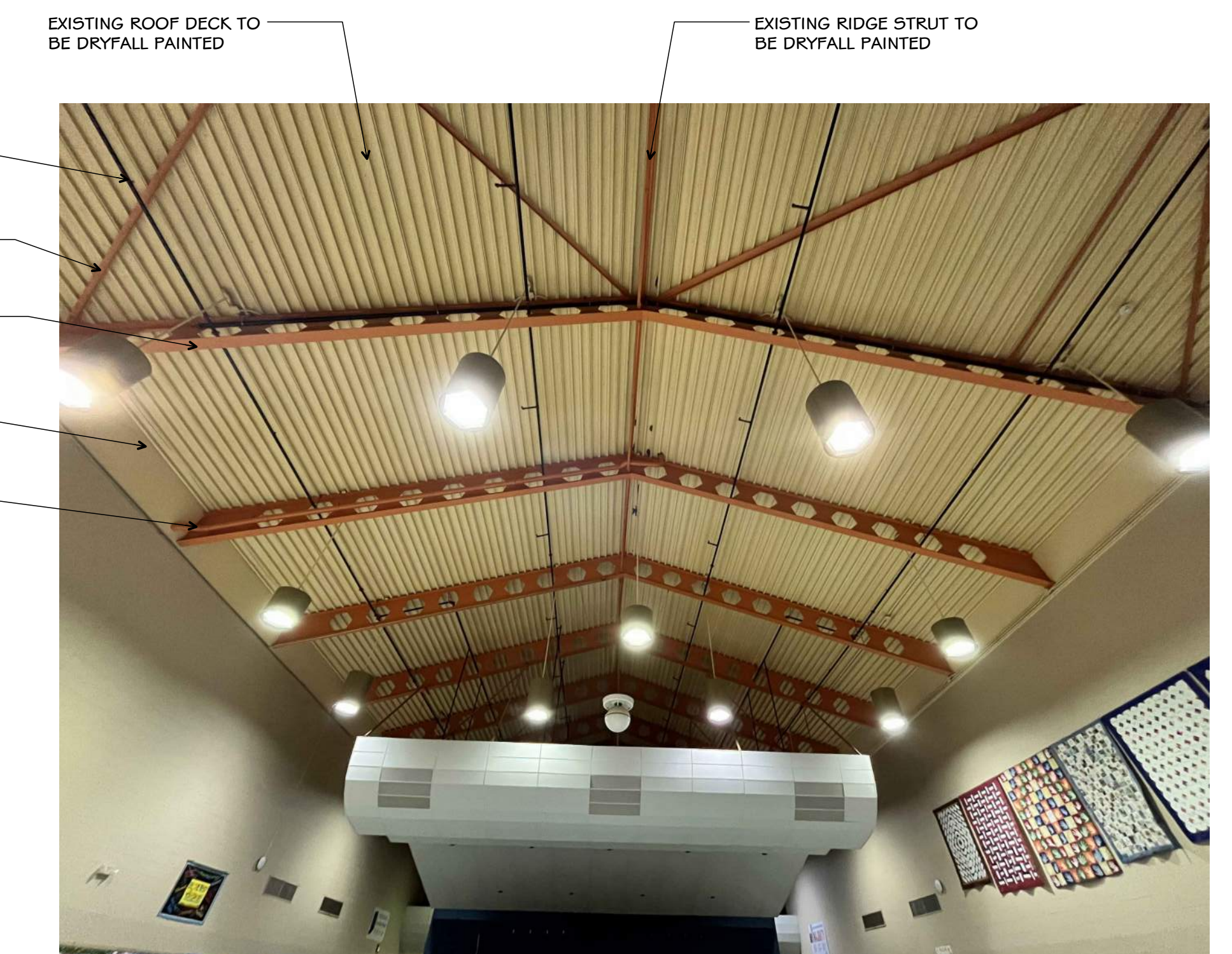
- AC1** ACOUSTICAL CEILING - TYPE "A" SEE SPECIFICATION SECTION 09 51 13
- AC2** ACOUSTICAL CEILING - TYPE "B" SEE SPECIFICATION SECTION 09 51 13
- GB1** GYP. BD. BULKHEAD - FINISH PAINT, ALL EXPOSED SURFACES; PAINT COLOR ON VERTICAL & HORIZONTAL SURFACES - "SHERWIN WILLIAMS" COLOR: SW7006 EXTRA WHITE
- GB2** GYP. BD. BULKHEAD - ALL EXPOSED SURFACES; FINISH PAINT VERTICAL SURFACES "SHERWIN WILLIAMS" COLOR - TO MATCH ADJACENT WALL COLOR FINISH PAINT HORIZONTAL SURFACES; "SHERWIN WILLIAMS" COLOR: SW7006 EXTRA WHITE
- EB1** EXPOSED STRUCTURE - DRYFALL PAINT ALL EXPOSED SURFACES OF ROOF DECK; COLOR: WHITE FINISH PAINT, ALL EXPOSED SURFACE OF STEEL BEAMS; "SHERWIN WILLIAMS" COLOR: SW6966 BLUEBLOOD SEE PHOTO FOR ADDITIONAL INFORMATION
- EC** EXISTING CEILING - NO FINISH WORK REQUIRED UNLESS OTHERWISE NOTED

### Specialties

- S1** SOLID SURFACE COUNTERTOP - ALL EXPOSED SURFACES; "CORIAN" COLOR: EVEREST
- S2** PLASTIC LAMINATE CASEWORK - ALL EXPOSED SURFACES; "WILSONART" COLOR: HANDSPUN DOVE 5034-38
- S3** ALUMINUM STOREFRONT SYSTEM - PRE-FINISHED
- S4** WOOD DOOR AND HOLLOW METAL FRAME - DOOR SPECIES - SEE SPECIFICATION SECTION 08 14 16 STAIN COLOR: STAIN TO MATCH "GRAHAMMASONITE" #700 METAL FRAME - FINISH PAINT, ALL EXPOSED SURFACES; "SHERWIN WILLIAMS" COLOR: SW7076 CYBERSPACE
- S5** METAL DOOR AND HOLLOW METAL FRAME - FINISH PAINT, ALL INTERIOR SURFACES; "SHERWIN WILLIAMS" COLOR: SW7076 CYBERSPACE FINISH PAINT, ALL EXTERIOR SURFACES; "SHERWIN WILLIAMS" COLOR: TO BE SELECTED BY ARCHITECT
- S6** HOLLOW METAL FRAMES - FINISH PAINT, ALL SURFACES; "SHERWIN WILLIAMS" COLOR: SW7076 CYBERSPACE
- S7** MANUAL DIAL WINDOW SHADES - SEE SPECIFICATION SECTION 12 24 00
- S8** SOLID SURFACE WINDOW SILLS - ALL EXPOSED SURFACES; PROVIDE SOLID SURFACE APRON WHERE SHOWN ON DETAILS; "CORIAN" COLOR: SILVER GRAY
- S9** PRIVACY CURTAIN - "MAYARAM" PATTERN: MIST 511524 COLOR: ABYSSAL 019
- S10** CORNER GUARDS - SEE SPECIFICATION SECTION 10 23 16
- S11** TRANSITION STRIP - SEE FLOORING TRANSITION DETAILS ON THIS SHEET; CONDITIONS VARY, CONTRACTOR TO FIELD VERIFY EACH CONDITION AND NOTIFY ARCHITECT OF ANY CONFLICTS.
- S12** METAL RAILINGS - FINISH PAINT, ALL SURFACES; "SHERWIN WILLIAMS" COLOR: SW7076 CYBERSPACE
- S13** SOLID SURFACE WALL CAP - ALL EXPOSED SURFACES; "CORIAN" COLOR: EVEREST
- S14** PLASTIC LAMINATE CASEWORK - ALL EXPOSED SURFACES; "WILSONART" COLOR: CRISP LINEN 4942-38
- S15** SOLID SURFACE TRANSACTION TOP - ALL EXPOSED SURFACES; "CORIAN" COLOR: EVEREST
- S16** OVERHEAD COILING COUNTER DOOR - PRE-FINISHED
- S17** SOLID SURFACE WINDOW SILL - ALL EXPOSED SURFACES; "CORIAN" COLOR: EVEREST
- S18** HOLLOW METAL DOOR AND FRAMES - FINISH PAINT, ALL SURFACES; "SHERWIN WILLIAMS" COLOR: SW7076 CYBERSPACE



**2** ALCOVE 114 & CORRIDOR 115 EXISTING FLOOR PATTERN  
1100 Not to Scale

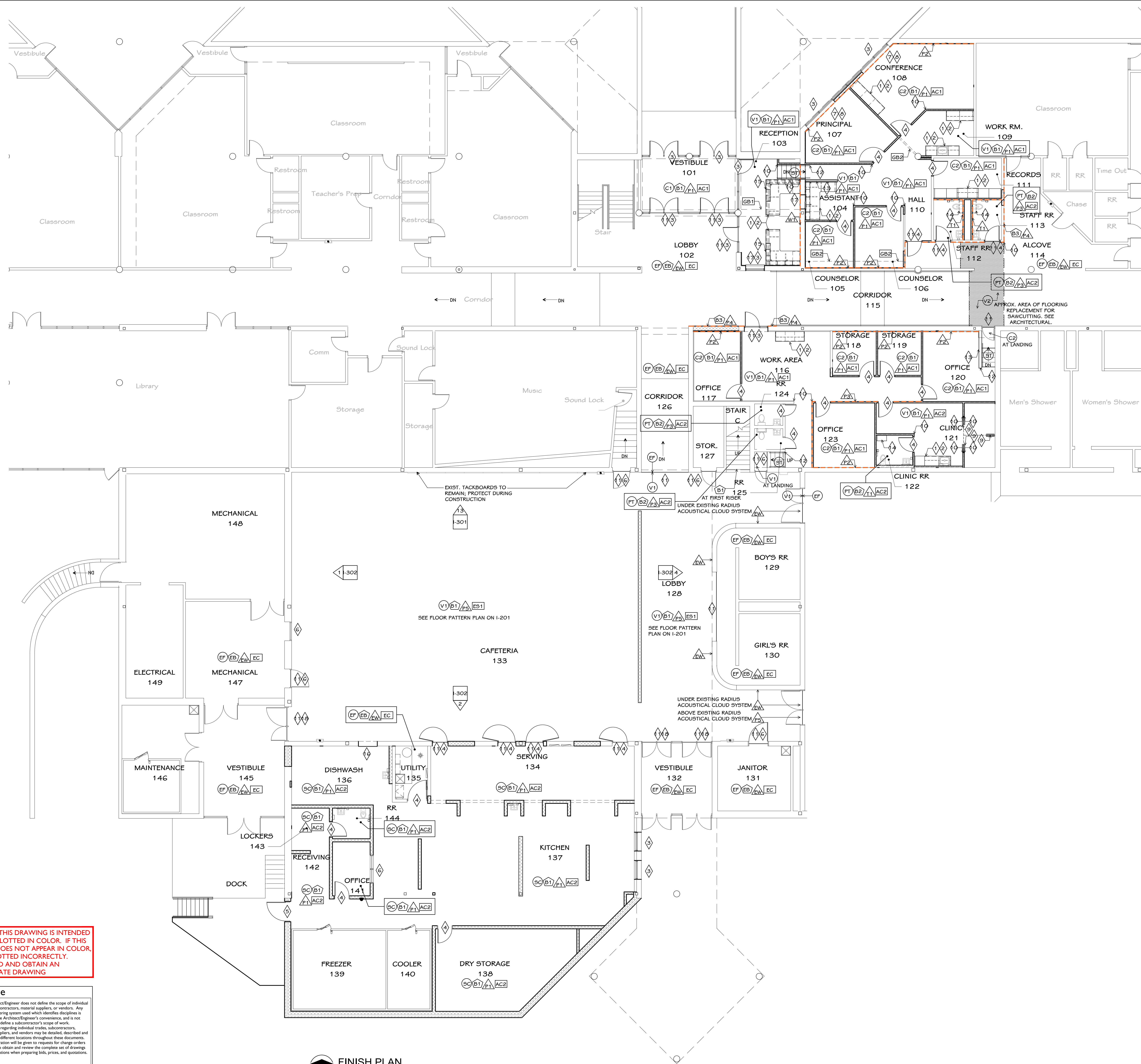


- EXISTING SPRINKLER LINES TO BE DRYFALL PAINTED
- EXISTING CROSS BRACING TO BE DRYFALL PAINTED
- EXISTING STEEL BEAM, FIELD PAINT SW6966 BLUEBLOOD
- EXISTING GYP. BD. TO BE FILED PAINTED SW7006 EXTRA WHITE
- EXISTING PIPING AND CONDUITS SUPPORTED ON AND RUNNING PARALLEL TO STEEL BEAM TO BE FIELD PAINT SW6966 BLUEBLOOD
- EXISTING ROOF DECK TO BE DRYFALL PAINTED
- EXISTING RIDGE STRUT TO BE DRYFALL PAINTED

**1** CAFETERIA 133 EXISTING EXPOSED STRUCTURE  
1100 Not to Scale

NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

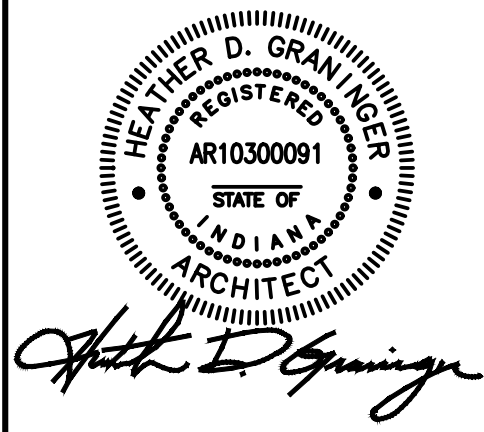
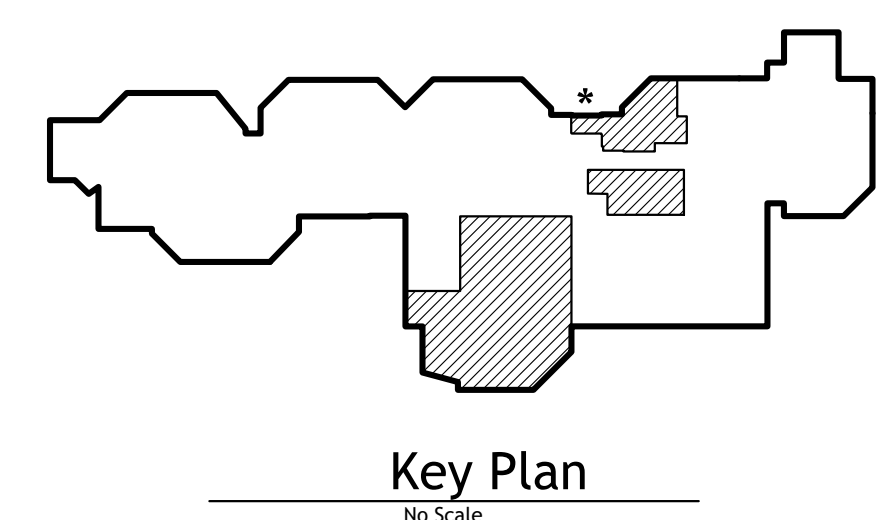
**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING**

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**FINISH PLAN**  
 1/8" = 1'-0"



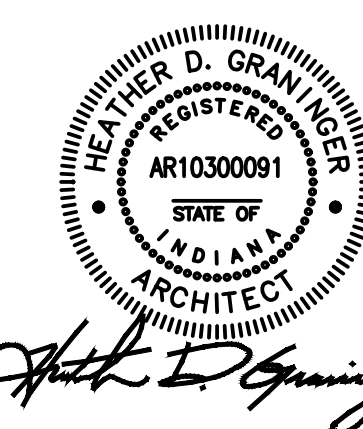
ISSUED FOR: Public Bidding  
 DATE: 04-03-2024

PROJECT TITLE  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITION AND  
 RENOVATIONS

OWNER  
 NORTH HARRISON  
 COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, INDIANA 47166

DATE  
 APRIL 3, 2024

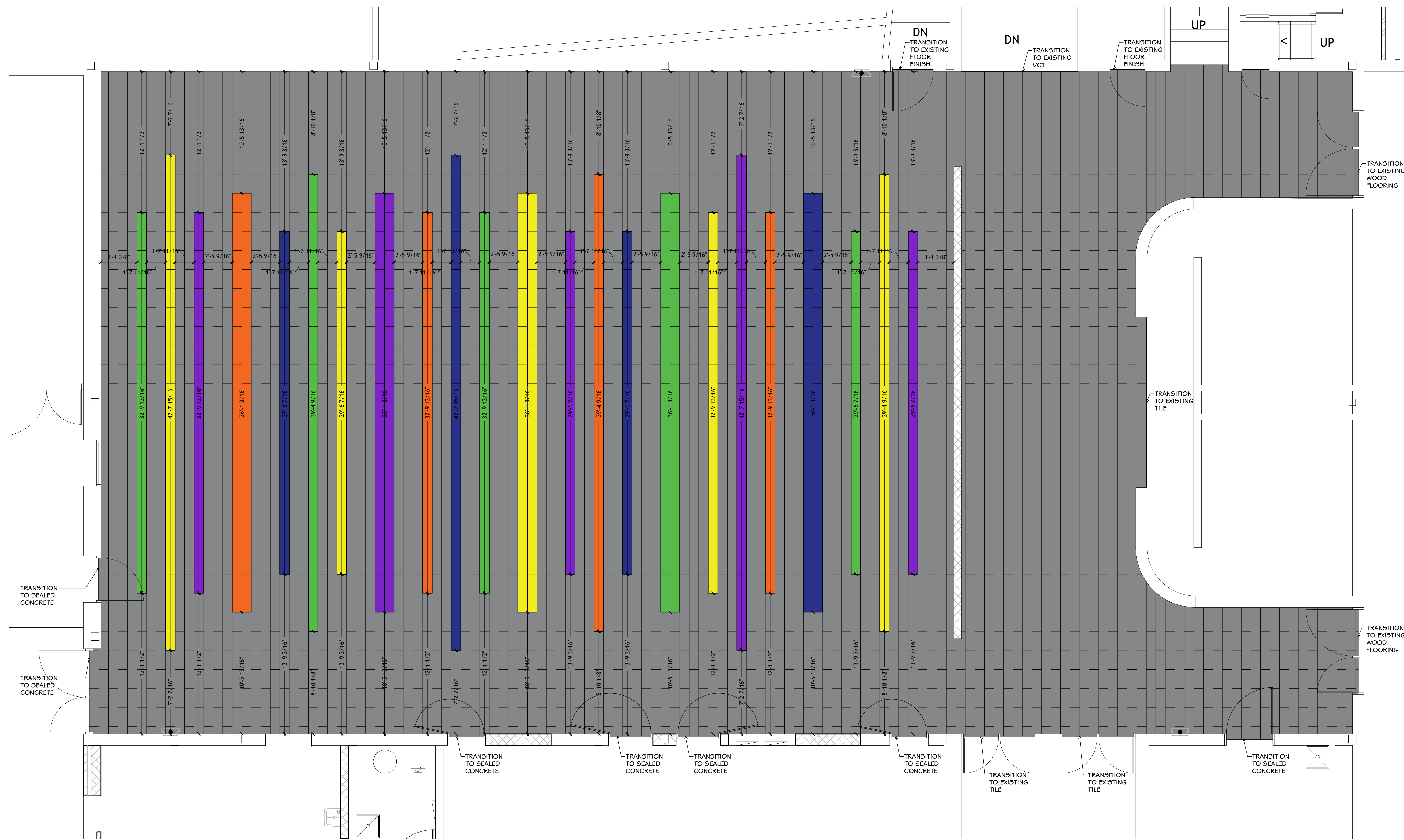
SHEET TITLE  
 FINISH PLAN  
 SHEET NUMBER  
**I 101**  
 23-228.001



ISSUED FOR Public Bidding DATE 04-03-2024

**LVT Material Legend**

- V1, COLOR 1- STUDIO SET, PEWTER A00702, 9.845" X 39.38"
- V1, COLOR 2- STUDIO SET, IRIS A00708, 9.845" X 39.38"
- V1, COLOR 3- STUDIO SET, MARGOLD A00712, 9.845" X 39.38"
- V1, COLOR 4- STUDIO SET, CHARTREUSE A00715, 9.845" X 39.38"
- V1, COLOR 5- STUDIO SET, ROYAL BLUE A00720, 9.845" X 39.38"
- V1, COLOR 6- STUDIO SET, ORANGE A00716, 9.845" X 39.38"



**NOTE:** THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**Cafeteria 133**  
**Enlarged Floor Pattern Plan**  
1 I-201 full size plot scale: 1/4"=1'-0"

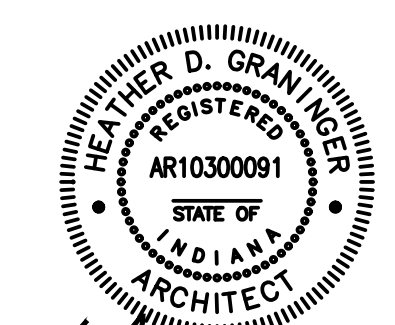
PROJECT TITLE  
**NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS**

OWNER  
**NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166**

SHEET TITLE  
**CAFETERIA 133  
ENLARGED FLOOR PATTERN PLAN**

DATE  
**APRIL 3, 2024**

SHEET NUMBER  
**I 201  
23-228.001**



ISSUED FOR DATE  
Public Bidding 04-03-2024

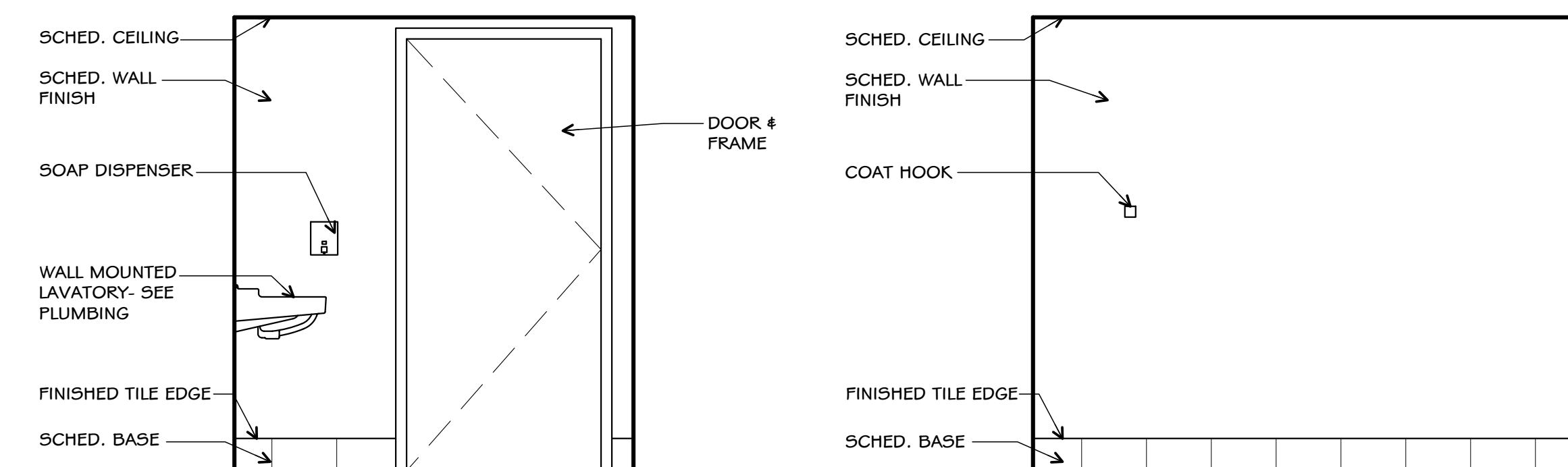
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
INTERIOR ELEVATIONS

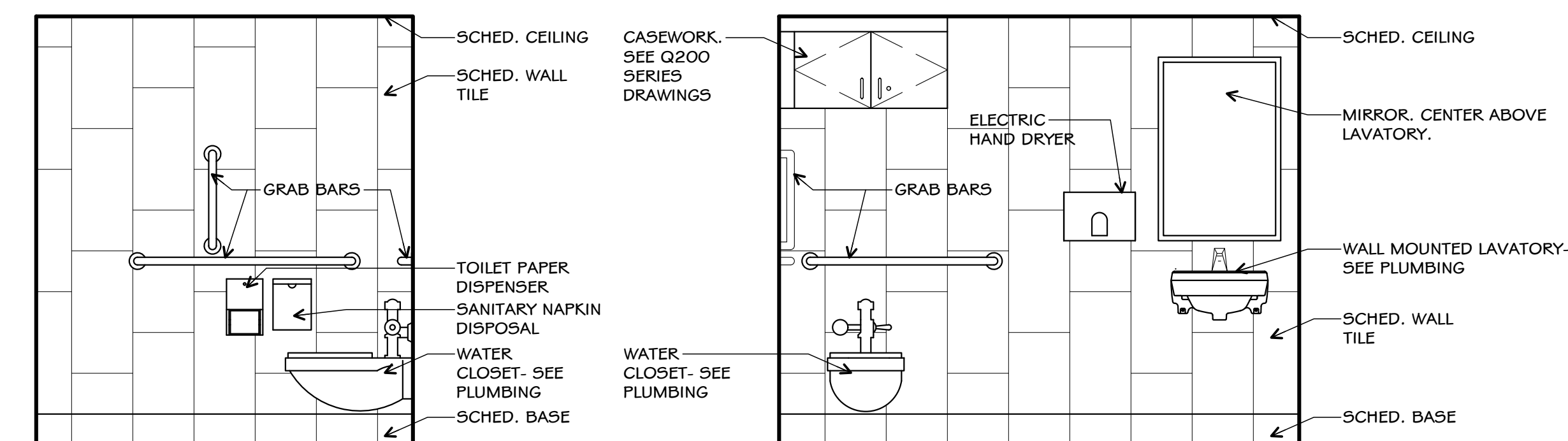
DATE  
APRIL 3, 2024

SHEET NUMBER  
I 301  
23-228.001



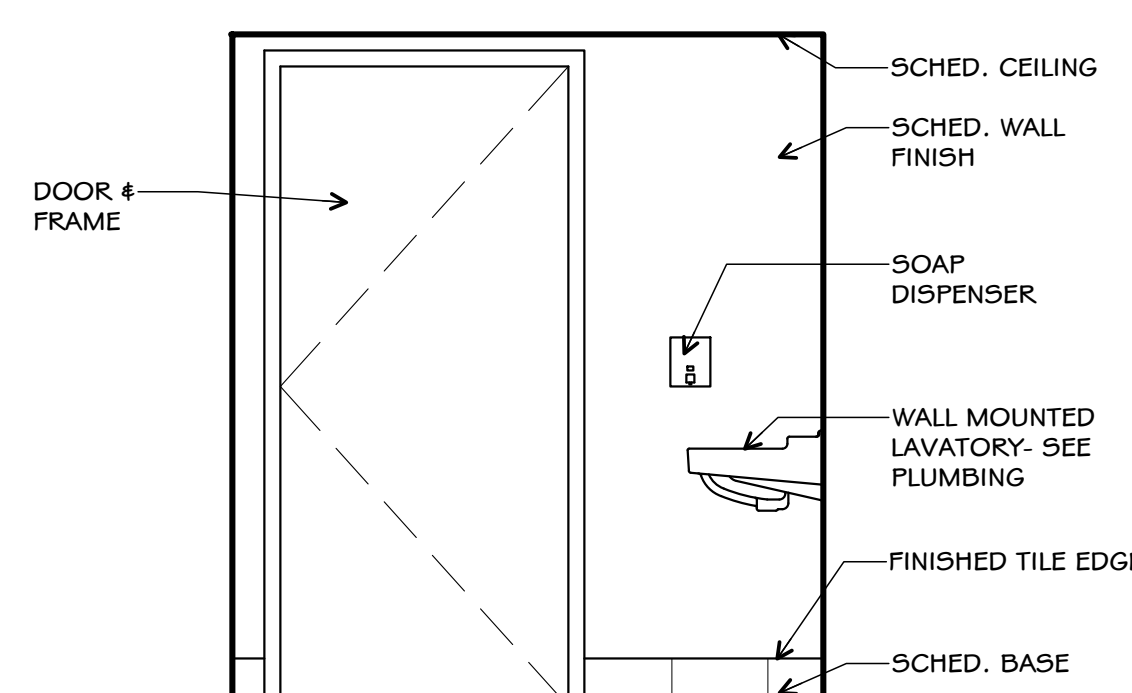
4  
I-301  
STAFF RR 112  
SOUTH ELEVATION  
full size plot scale: 1/2"=1'-0"

3  
I-301  
STAFF RR 112  
WEST ELEVATION  
full size plot scale: 1/2"=1'-0"

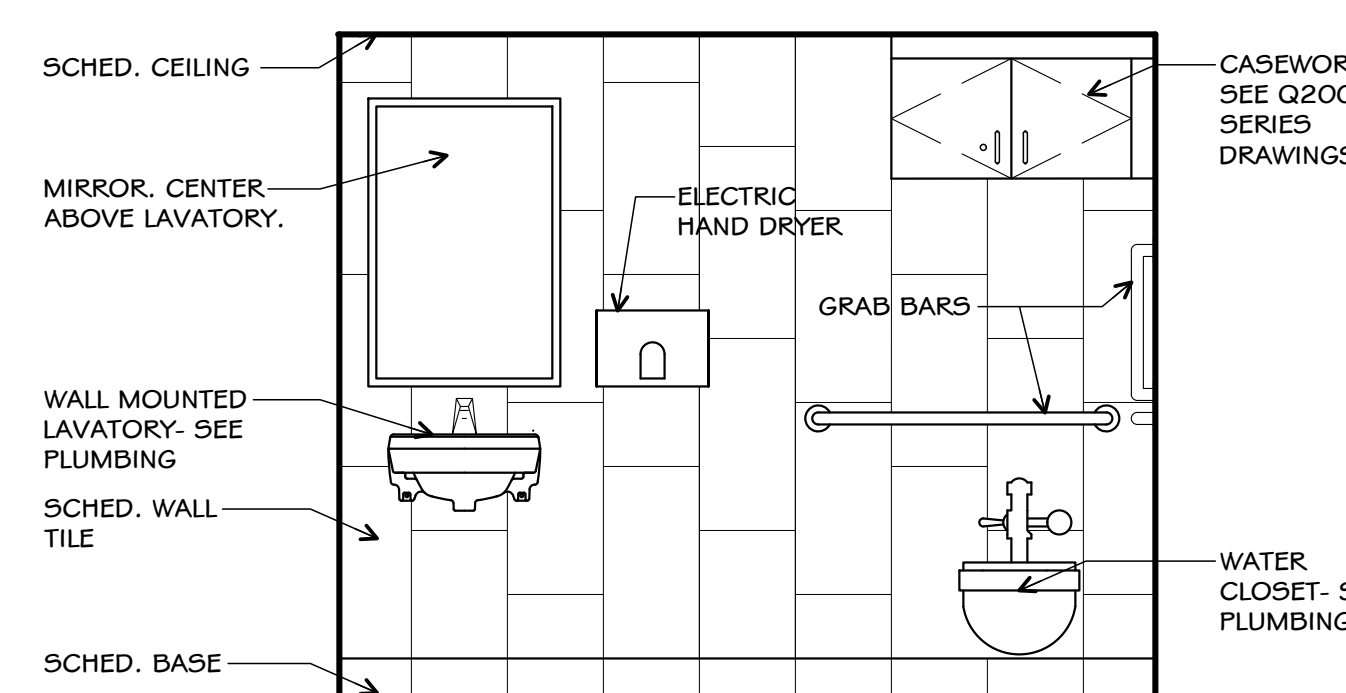


2  
I-301  
STAFF RR 112  
NORTH ELEVATION  
full size plot scale: 1/2"=1'-0"

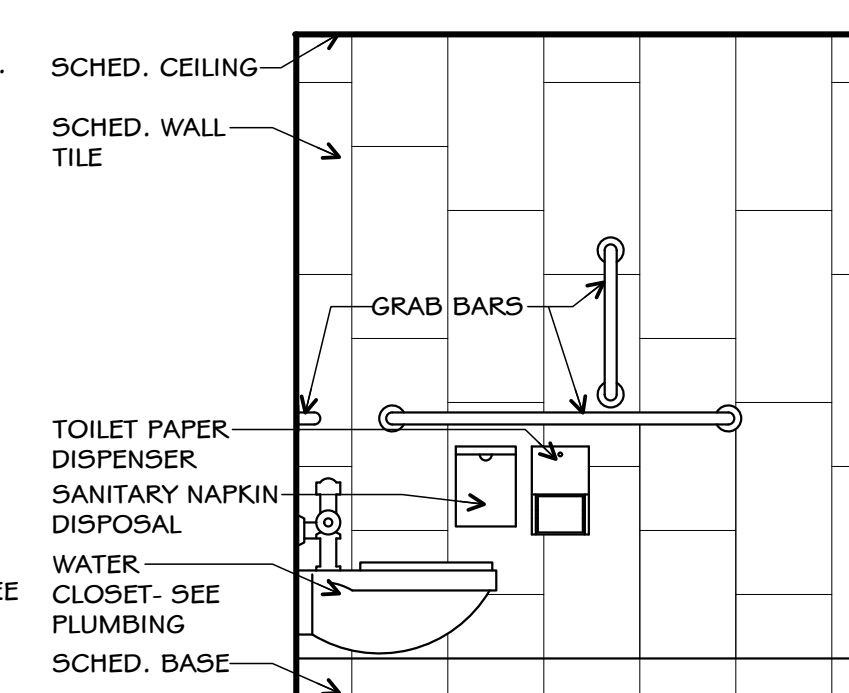
1  
I-301  
STAFF RR 112  
EAST ELEVATION  
full size plot scale: 1/2"=1'-0"



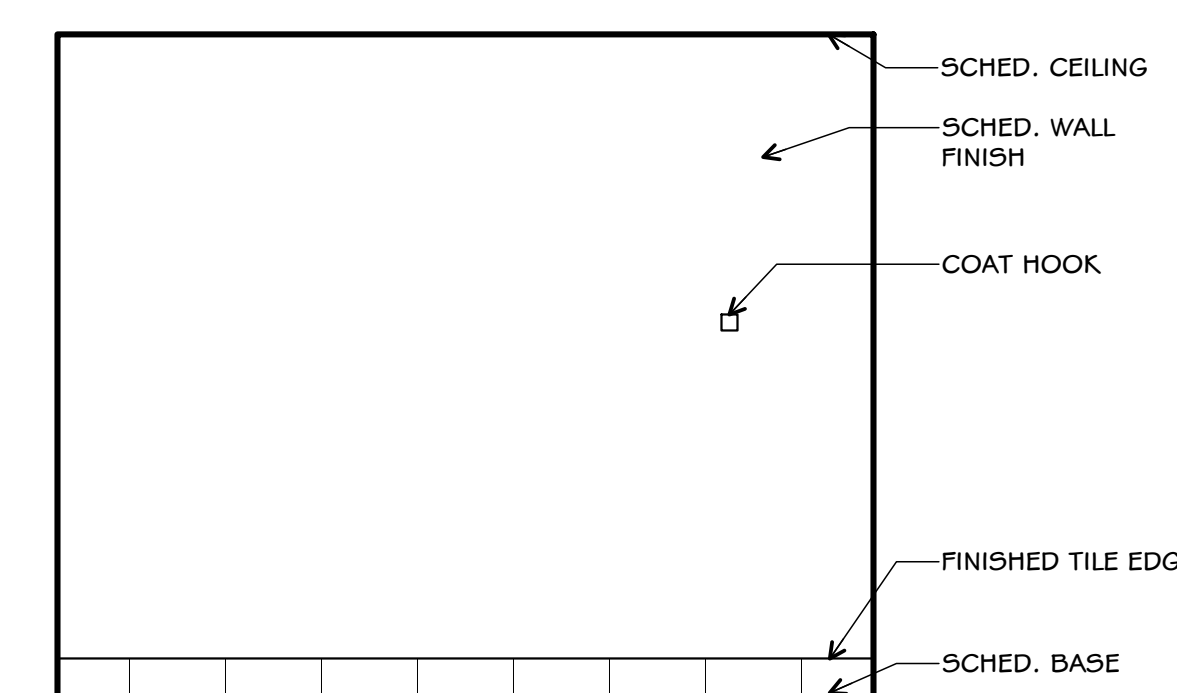
8  
I-301  
STAFF RR 113  
SOUTH ELEVATION  
full size plot scale: 1/2"=1'-0"



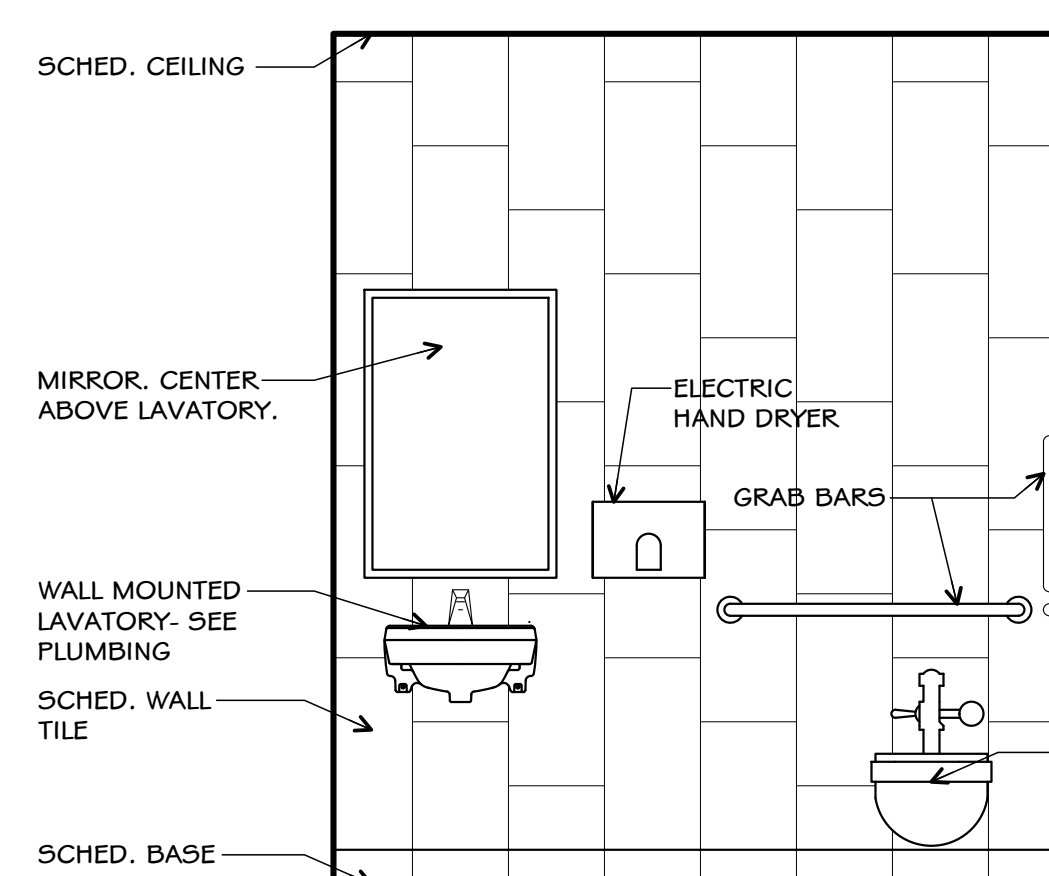
7  
I-301  
STAFF RR 113  
WEST ELEVATION  
full size plot scale: 1/2"=1'-0"



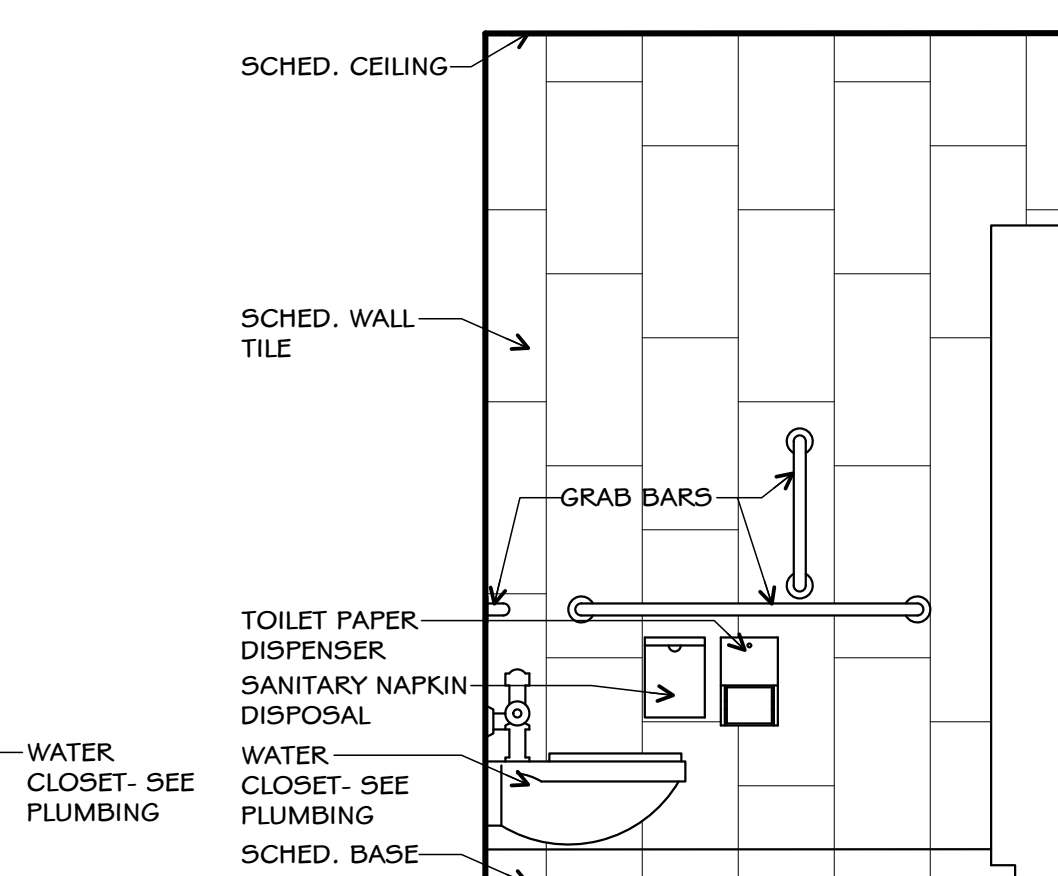
6  
I-301  
STAFF RR 113  
NORTH ELEVATION  
full size plot scale: 1/2"=1'-0"



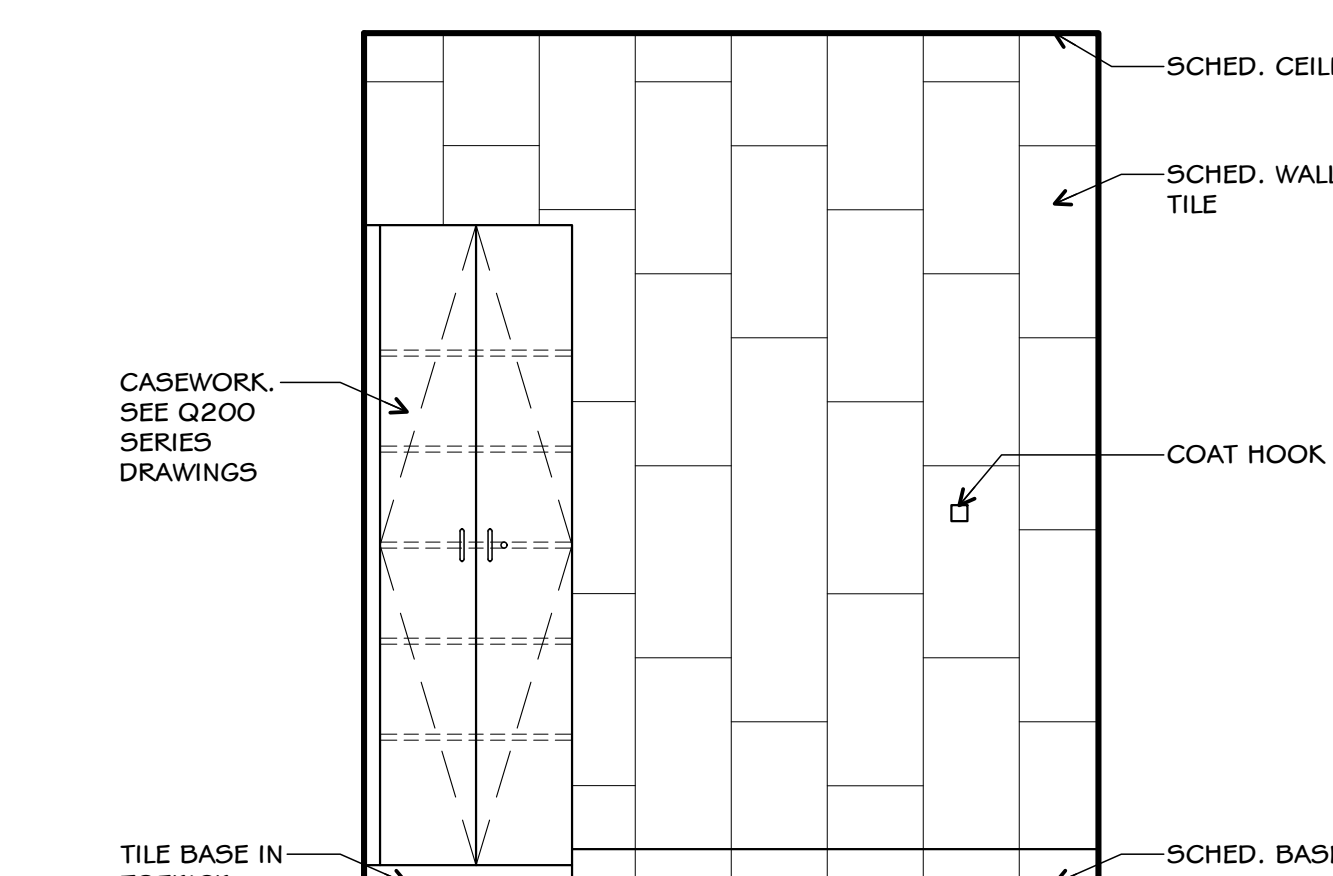
5  
I-301  
STAFF RR 113  
EAST ELEVATION  
full size plot scale: 1/2"=1'-0"



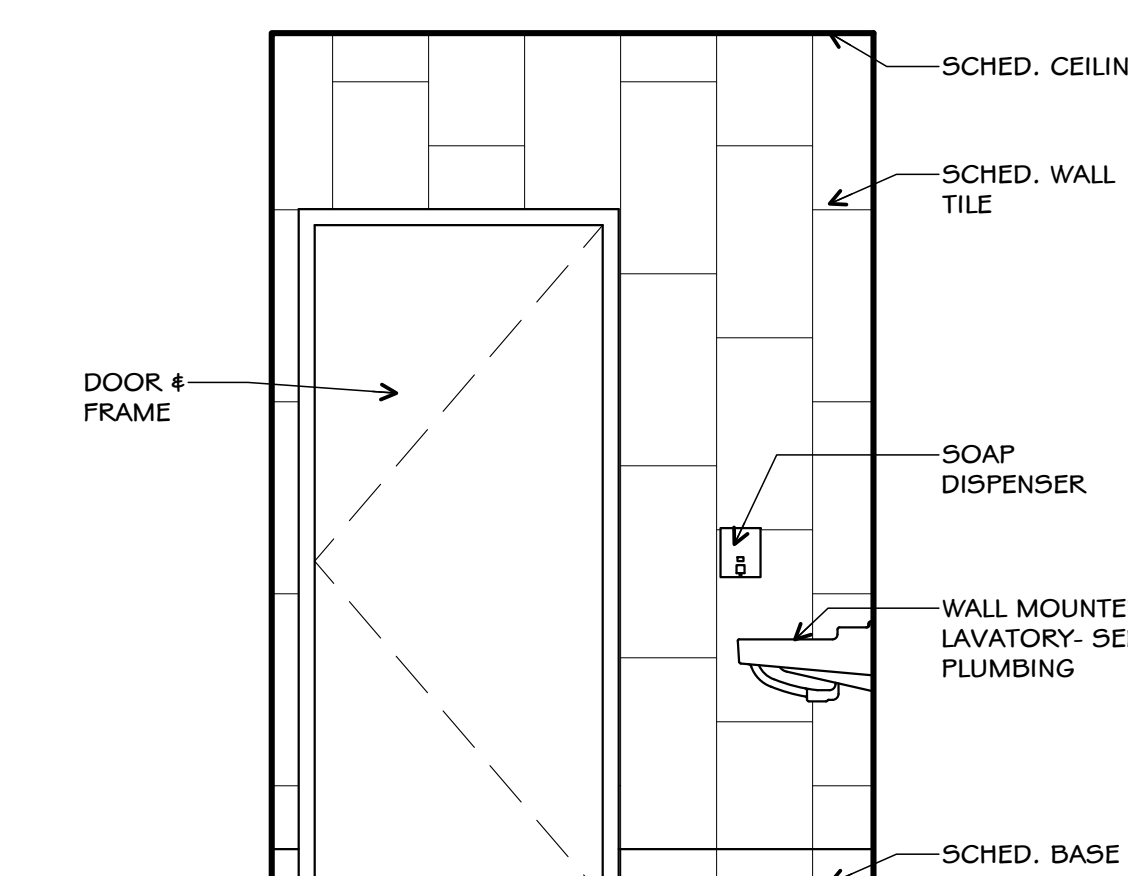
12  
I-301  
CLINIC RR 122  
SOUTH ELEVATION  
full size plot scale: 1/2"=1'-0"



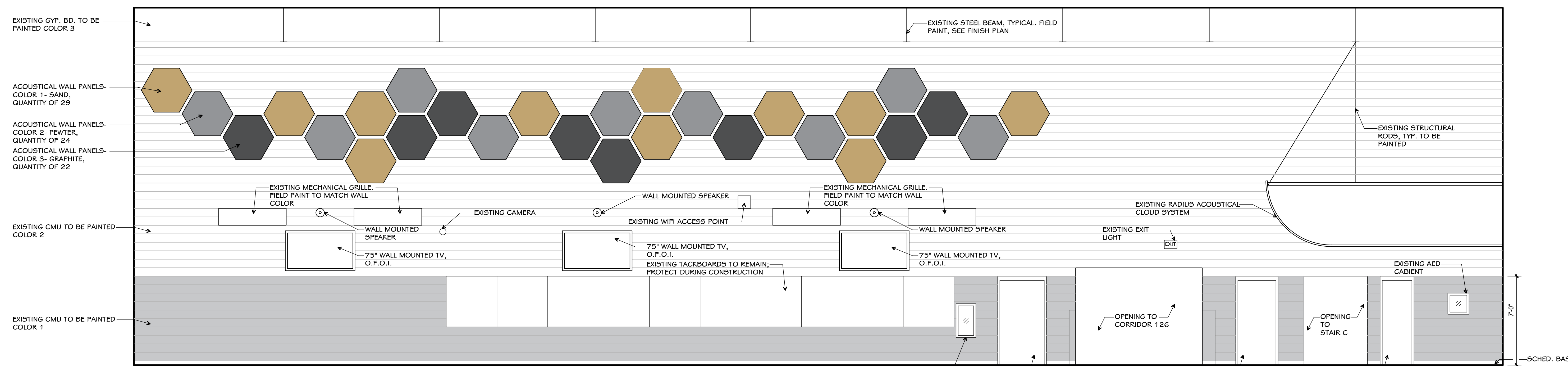
11  
I-301  
CLINIC RR 122  
WEST ELEVATION  
full size plot scale: 1/2"=1'-0"



10  
I-301  
CLINIC RR 122  
NORTH ELEVATION  
full size plot scale: 1/2"=1'-0"



9  
I-301  
CLINIC RR 122  
EAST ELEVATION  
full size plot scale: 1/2"=1'-0"

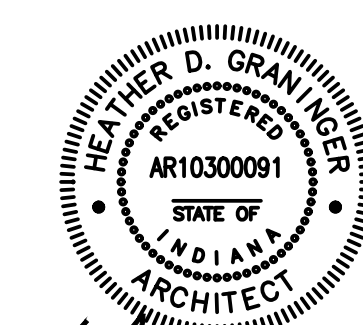


13  
I-301  
CAFETERIA 133  
NORTH ELEVATION  
full size plot scale: 1/4"=1'-0"

NOTE:  
1. NOT ALL WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES ARE SHOWN.  
2. PAINT ALL SURFACE MOUNTED CONDUIT AND RACEWAY TO MATCH WALLS.

NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



ISSUED FOR DATE  
Public Bidding 04-03-2024

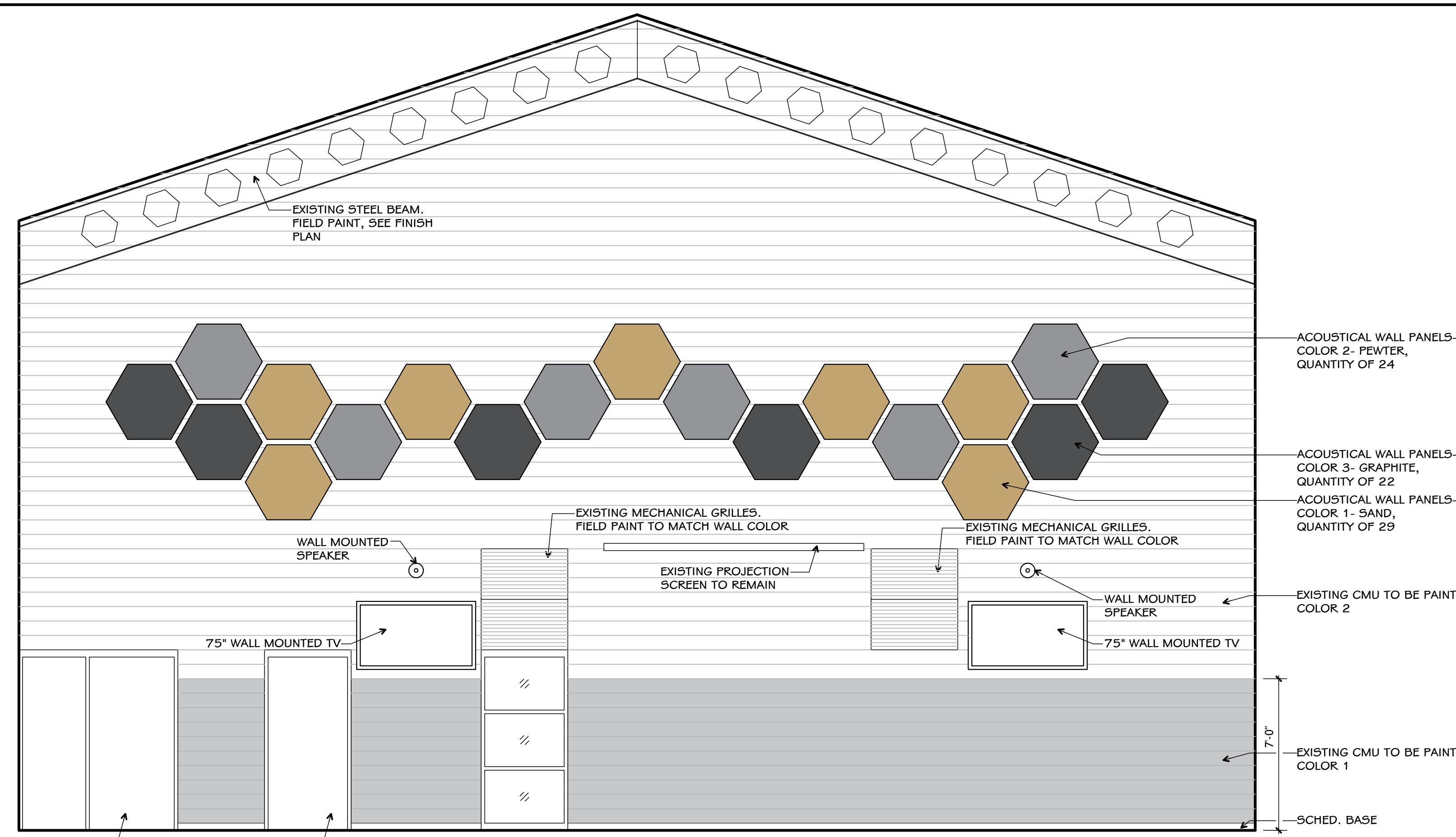
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

SHEET TITLE  
INTERIOR ELEVATIONS

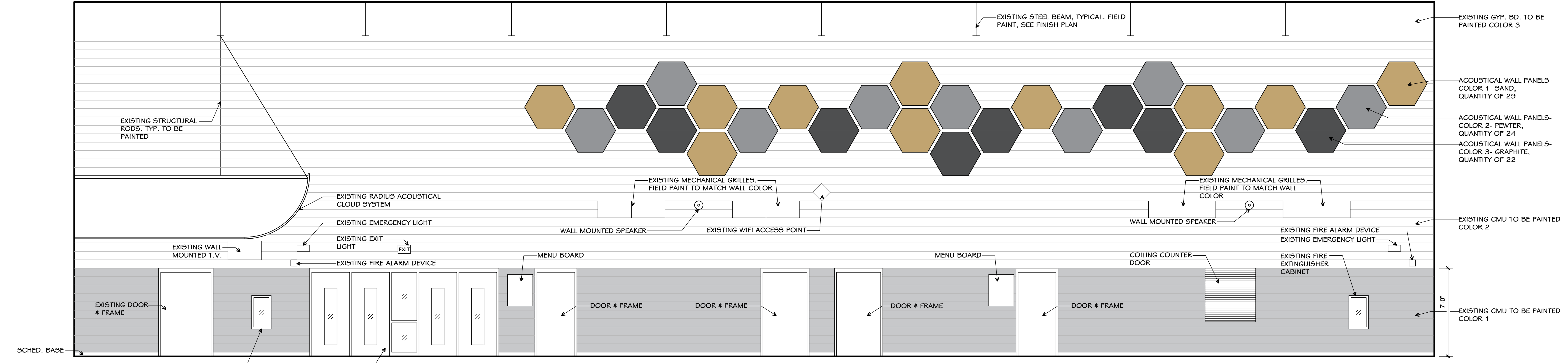
DATE  
APRIL 3, 2024

SHEET NUMBER  
I 302  
23-228.001



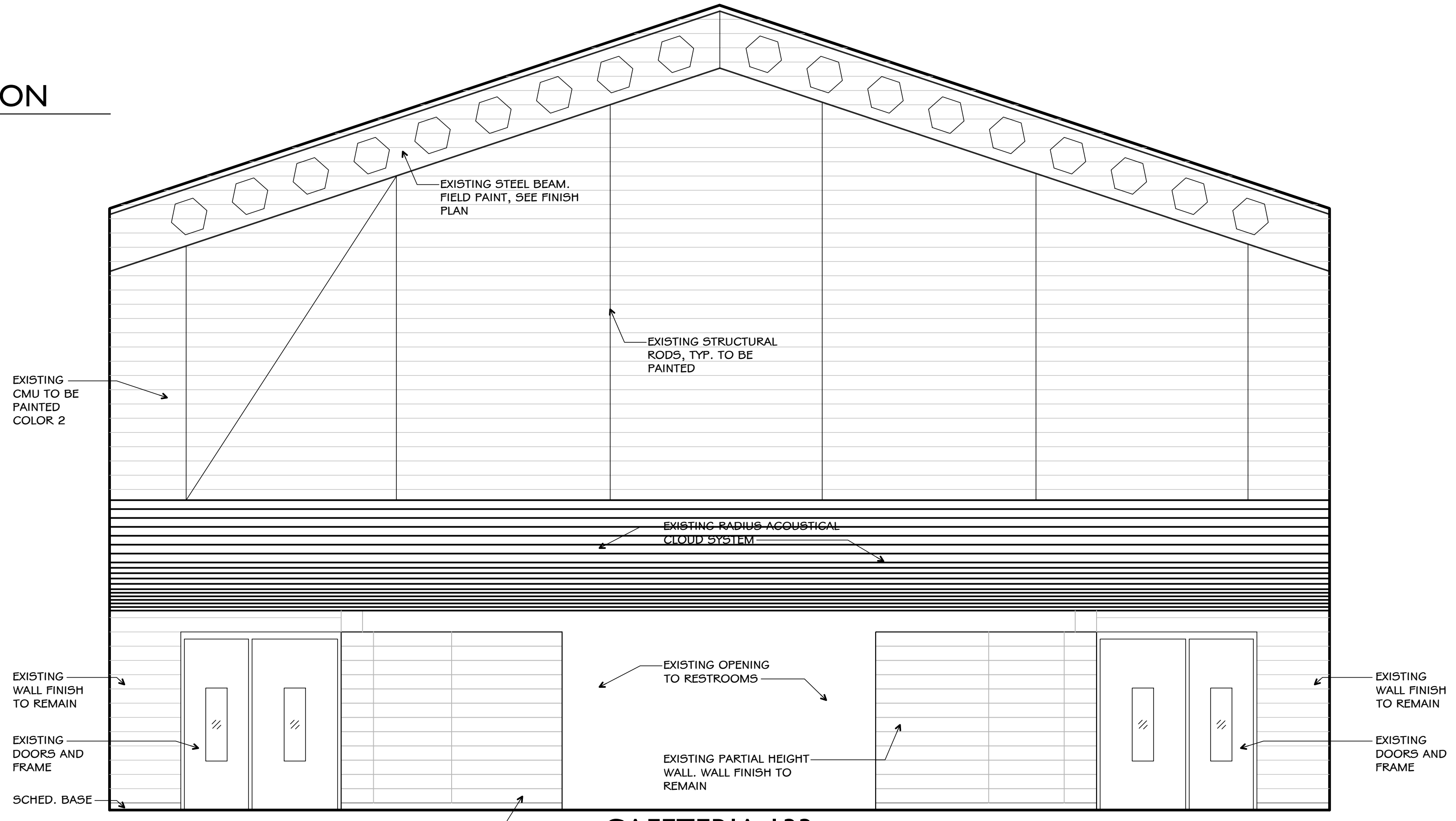
**1**  
CAFETERIA 133  
WEST ELEVATION  
full size plot scale: 1/4"=1'-0"

NOTE:  
1. NOT ALL WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES ARE SHOWN.  
2. PAINT ALL SURFACE MOUNTED CONDUIT AND RACEWAY TO MATCH WALLS.



**2**  
CAFETERIA 133  
SOUTH ELEVATION  
full size plot scale: 1/4"=1'-0"

NOTE:  
1. NOT ALL WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES ARE SHOWN.  
2. PAINT ALL SURFACE MOUNTED CONDUIT AND RACEWAY TO MATCH WALLS.

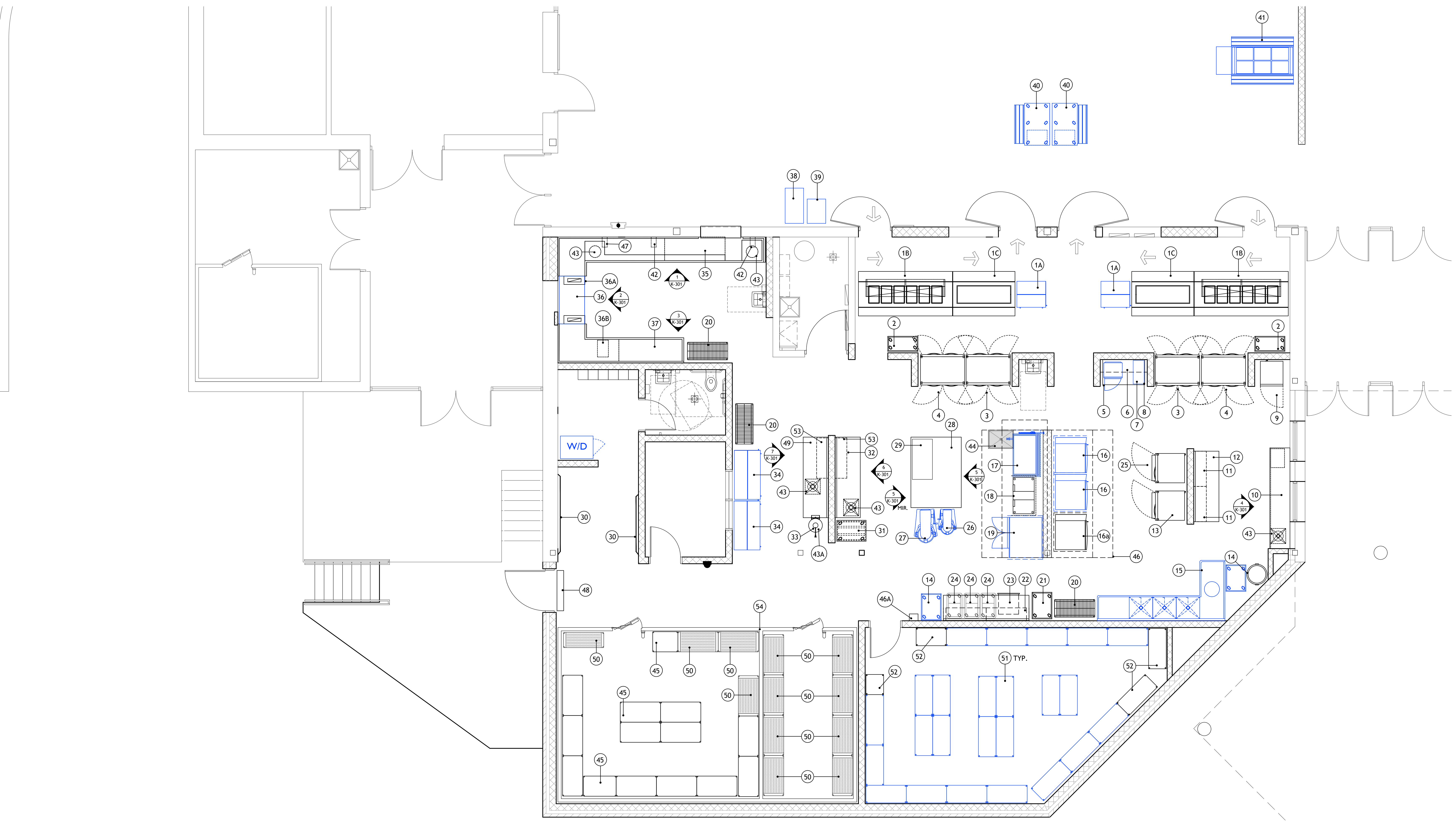


**3**  
CAFETERIA 133  
EAST ELEVATION  
full size plot scale: 1/4"=1'-0"

NOTE:  
1. NOT ALL WALL MOUNTED MECHANICAL AND ELECTRICAL DEVICES ARE SHOWN.  
2. PAINT ALL SURFACE MOUNTED CONDUIT AND RACEWAY TO MATCH WALLS.

NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for future to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.




**FOOD SERVICE EQUIPMENT PLAN**  
 1/4" = 1'-0"

NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**ABBREVIATIONS**

CBP	CIRCUIT BREAKER PANEL
CO	CONVENIENCE OUTLET
EA	EACH (E)
DR	DUPLEX RECEPTACLE
DS	DISCONNECT SWITCH
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FS	FLOOR SINK
IW	INDIRECT WASTE
N.I.C.	NOT IN CONTRACT
NSR	NO SERVICE REQUIRED
Q.D.	QUICK DISCONNECT
SR	SINGLE RECEPTACLE

**Notice of Requirements**

**FSEC SHALL FURNISH ALL MISCELLANEOUS ACCESSORIES INCLUDING:**

FAUCETS, PRE-RINSE ASSEMBLIES, HOSE STATIONS, POT FILLERS, VACUUM BREAKERS, CHECK VALVES, FLOW CONTROL VALVES, PRESSURE REDUCING VALVES, WATER STRAINERS, WATER FILTERS, COOLING SYSTEMS FOR WASTE WATER DISCHARGE OVER 110 DEGREES F., SOLENOIDS AND CONTROL PANELS.

FSEC SHALL PROVIDE COMPLETE ROUGH IN DRAWINGS FOR ALL REQUIRED SERVICES INCLUDING HORIZONTAL DIMENSIONS, ELEVATIONS AND ANY REQUIRED CLEARANCES.

**FSEC SHALL FURNISH THE FOLLOWING ELECTRICAL CONNECTION DEVICES:**

ALL ELECTRICAL DISCONNECTS FOR EQUIPMENT WITH HARDWIRED CONNECTIONS. DISCONNECTS SHALL BE EITHER FUSED OR NON-FUSED PER EQUIPMENT MANUFACTURER'S RECOMMENDATION. DISCONNECTS SHALL HAVE APPLICABLE NEMA RATING FOR THE PARTICULAR INSTALLATION ENVIRONMENT.

ALL PLUG AND CHORD MATERIALS (MALE AND FEMALE) FOR ALL EQUIPMENT. THE ONLY EXCEPTION WILL BE FOR EQUIPMENT WITH A NEMA 5-15 PLUG FOR A STANDARD 120 V, SINGLE PHASE DUPLEX OUTLET. ONLY THE CHORD WITH NEMA 5-15 PLUG END IS REQUIRED TO BE PROVIDED.

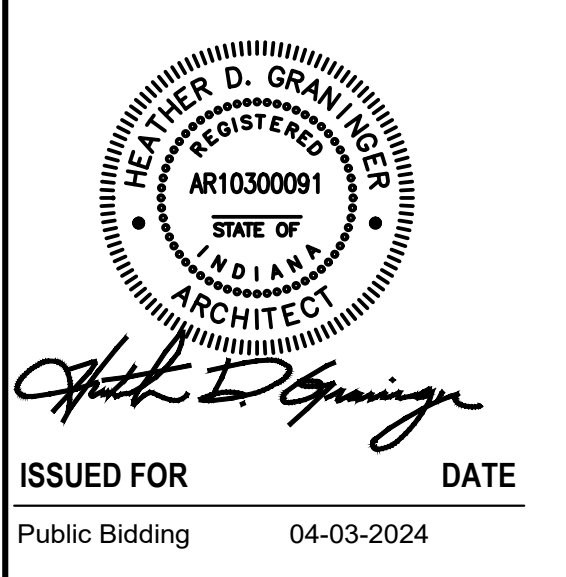
**PLUMBING AND ELECTRICAL:**

WILL INSTALL THE FURNISHED MISCELLANEOUS MATERIALS AND ELECTRICAL CONNECTION DEVICES AS APPROPRIATE FOR THEIR INDIVIDUAL TRADES AND MAKE ALL FINAL CONNECTIONS TO THE UTILITY SERVICES.

**FOOD SERVICES EQUIPMENT SCHEDULE**

ITEM NO.	DESCRIPTION	QTY.	ELECTRICAL REQUIREMENTS							WATER		WASTE			VENT	GENERAL NOTES	ITEM NO.	
			H.P.	AMP.	K.W.	VOLT	PH.	TYPE CONN.		C.W.	I20°F	DIR.	IND.	AFTER COOL	CFM			
								CORD & PLUG	DIRECT CONN. REQ'D.									
1A	MILK COOLER (EXISTING)	2	1/3	2.2		115	1	YES									FLOOR MTD. DR BY E.C. / P.C. EXTEND IW TO FD	1A
1B	SERVING COUNTER, 6-WELL, MOBILE, COMBINATION	2	1/5	6.9		208	1	YES									FLOOR MTD. DR BY E.C.	1B
1C	SERVING COUNTER, FROST-TOP, MOBILE	2	1/4	3.7		115	1	YES									FLOOR MTD. DR BY E.C. / P.C. EXTEND IW TO FD	1C
2	TRAY RACK, MOBILE	1															NO SERVICE REQUIRED (NSR)	2
3	REFRIGERATOR, 2-SECTION, PASS-THRU	2	1/2	5.9		120	1	YES									WALL MTD. DR IN BULKHEAD BY E.C.	3
4	HOT FOOD HOLDING, 2-SECTION, PASS-THRU	2			3	208	1		YES								WALL MTD. DR BY E.C.	4
5	MICROWAVE (EXISTING)	1		15	3.8	120	1	YES									WALL MTD. DR BY E.C.	5
6	WALL CABINET, ENCLOSED	1															NO SERVICE REQUIRED (NSR)	6
7	HOT WATER DISPENSER (EXISTING)	1		24	5	208	1	YES		1/4"							WALL MTD. DR BY E.C. / P.C. EXTEND IW TO FFD	7
8	PREP TABLE, 54"	1															NO SERVICE REQUIRED (NSR)	8
9	REFRIGERATOR, 1-SECTION, REACH-IN	1	1/4	2.2		115	1	YES									WALL MTD. DR BY E.C.	9
10	PREP TABLE, 120"	1								3/4"	3/4"						(1) FAUCET / P.C. EXTEND IW TO FS	10
11	WALL CABINET, ENCLOSED	2															NO SERVICE REQUIRED (NSR)	11
12	PREP TABLE, 84"	1															NO SERVICE REQUIRED (NSR)	12
13	REFRIGERATOR, 1-SECTION, ROLL-IN	2	1/3	8.9		115	1	YES									WALL MTD. DR BY E.C.	13
14	UTILITY CART (EXISTING)	2															NO SERVICE REQUIRED (NSR)	14
15	3-COMPARTMENT SINK (EXISTING)	1								3/4"	3/4"						P.C. EXTEND IW TO FS	15
16	COMBI OVEN (EXISTING)	2			37.4	480	3		YES	3/4"	3/4"						P.C. EXTEND IW TO FS VIA AFTER COOLER	16
16A	COMBI OVEN	1			37.4	480	3		YES	3/4"	3/4"						P.C. EXTEND IW TO FS VIA AFTER COOLER	16A
17	TILTING SKILLET (EXISTING)	1		15.5	17.7	480	3		YES	3/4"	3/4"						INCLUDES FLEXIBLE SPRAY HOSE ASSEMBLY	17
18	TILTING SKILLET	1			22	480	3		YES	3/4"								18
19	ROTATING RACK OVEN (EXISTING)	1	3/4	23	18	120/480	1+3	YES	YES	3/4"							120V, 1PH CORD FOR CONTROLS; 480V, 3PH FOR COOKING	19
20	DRYING RACK, MOBILE	3															NO SERVICE REQUIRED (NSR)	20
21	BAKING RACK, MOBILE	1															NO SERVICE REQUIRED (NSR)	21
22	WALL CABINET, ENCLOSED	2															NO SERVICE REQUIRED (NSR)	22
23	PREP TABLE, 96"	1															NO SERVICE REQUIRED (NSR)	23
24	INGREDIENT BIN	3															NO SERVICE REQUIRED (NSR)	24
25	HOT FOOD HOLDING, 1-SECTION, ROLL-IN	1		9.6		208	1	YES									WALL MTD. DR BY E.C.	25
26	MIXER (EXISTING)	1	1/2	10.2		115	1		YES								DISCONNECT MOUNTED TO PREP TABLE #28 BY E.C.	26
27	MIXER (EXISTING)	1	2	5.8		200	3		YES								DISCONNECT MOUNTED TO PREP TABLE #28 BY E.C.	27
28	PREP TABLE, DOUBLE-SIDED, 84"	1															DR BY E.C. MOUNTED TO PREP TABLE	28
29	HEAT SEALER (EXISTING)	1		7.0		120	1	YES									DR BY E.C. MOUNTED TO PREP TABLE #28	29
30	WALL BUMPER RAIL	SEE PLAN															NO SERVICE REQUIRED (NSR)	30
31	CAN RACK W/ CAN OPENER	1															NO SERVICE REQUIRED (NSR)	31
32	PREP TABLE, 96"	1								3/4"	3/4"						(1) FAUCET / P.C. EXTEND IW TO FS	32
33	POTATO PEELER	1	1	16.6		115	1		YES	1/2"		1-1/2"					COORDINATE DISCHARGE CHUTE WITH WORKTABLE #49	33
34	MILK COOLER (EXISTING)	2	1/3	3.0		120	1	YES									WALL MTD. DR BY E.C. / P.C. EXTEND IW TO FD	34
35	DISHTABLE, SOILED END	1								3/4"	3/4"						(1) FAUCET; SEE ADDITIONAL SPRAY HOSE & PRE-RINSE ASSEMBLIES	35
36	DISHMACHINE (EXISTING)	1	2	25		480	3		YES		3/4"						180 DEGREE HW FROM BOOSTER / P.C. EXTEND IW TO FS VIA AFTER COOLER	36
36A	STAINLESS STEEL EXHAUST VENT DUCTS	2												400			LOAD END: 200 CFM / UNLOAD END: 200 CFM	36A
36B	BOOSTER HEATER	1		47.9		208	3		YES		3/4"						P.C. TO EXTEND IW TO FS; 180 DEGREE HW FROM BOOSTER	36B
37	DISHTABLE, CLEAN END	1															NO SERVICE REQUIRED (NSR)	37
38	ICE MACHINE (EXISTING)	1				120	1	YES		3/4"							EXTEND IW TO FFD BY P.C. / CARTRIDGE FILTER SYSTEM	38
39	ICE MACHINE (EXISTING)	1		10.5		120	1	YES		3/4"							EXTEND IW TO FFD BY P.C. / CARTRIDGE FILTER SYSTEM	39
40	CASHIER STAND (EXISTING)	2				120	1	YES									WALL MTD. DR BY E.C.	40
41	SALAD BAR UNIT (EXISTING)	1				120	1	YES									WALL MTD. DR BY E.C. / P.C. EXTEND IW TO FD	41
42	SPRAY HOSE ASSEMBLY	2								3/4"	3/4"						P.C. TO INTERPIPE REEL WITH MIXING VALVE	42
43	GARBAGE DISPOSAL & CONTROL PANEL	4	2	2.2		460	3		YES	1/2"		3"					CW THRU SOLENOID TO DISPOSER BY P.C.	43
43A	GARBAGE DISPOSAL & CONTROL PANEL	1	1	1.2		460	3		YES	1/2"		3"					CW THRU SOLENOID TO DISPOSER BY P.C.	43A
44	FLOOR SUMP	1										3"					IN FLOOR / FURNISHED BY FSEC; INSTALLED BY GC	44
45	DUNNAGE RACK	14															NO SERVICE REQUIRED (NSR)	45
46	EXHAUST HOOD SYSTEM No. 1 (COOKLINE)	1	5.0	15.8		208	3		YES						2,343		702 CFM FROM RTU 1 BY DIV. 23; SEE K-400 DRAWINGS	46
	EXHAUST HOOD SYSTEM No. 2 (COOKLINE)	1	3.0	9.5		208	3		YES						2,343		702 CFM FROM RTU 1 BY DIV. 23; SEE K-400 DRAWINGS	
46A	EMERGENCY ANSUL PULL STATION	1																46A
47	PRE-RINSE HOSE REEL ASSEMBLY	2								3/4"	3/4"						WALL-MOUNTED ABOVE DISH TABLE	47
48	FLY FAN	1		1.3		120	1		YES									48
49	PREP TABLE, 96"	1								3/4"	3/4"						(1) FAUCET / P.C. EXTEND IW TO FS	49
50	WALK-IN SHELVING UNITS (EXISTING)	12															NO SERVICE REQUIRED (NSR)	50
51	DRY STORAGE SHELVING UNITS (EXISTING)	24															NO SERVICE REQUIRED (NSR)	51
52	DRY STORAGE SHELVING UNITS	4															NO SERVICE REQUIRED (NSR)	52
53	WALL SHELF	2															NO SERVICE REQUIRED (NSR)	53
54	WALK-IN COOLER & FREEZER	1															LTS., DOOR HTRS., ALARMS AND HTD. VENT PORT (FREEZER)	54
	BLOWER COIL (COOLER)	1	(5)	1/15		115	1										FSEC EXTEND IW TO FFD, SEE SHEET K-303	
	COMPRESSOR (COOLER)	1		2.5		208	3										OUTDOOR AIR COOLER WITH QD / E.C. TO INTERWIRE WITH COIL	
	BLOWER COIL (FREEZER)	1	(5)	1/15		115	1										LOAD INCL'D @ COMP. (INTERWIRE) / FSEC EXTEND TO IW TO FFD	
	COMPRESSOR (FREEZER)	1		6.0		208	3										OUTDOOR AIR COOLER WITH QD / E.C. TO INTERWIRE WITH COIL	

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and questions.



ISSUED FOR: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Public Bidding 04-03-2024

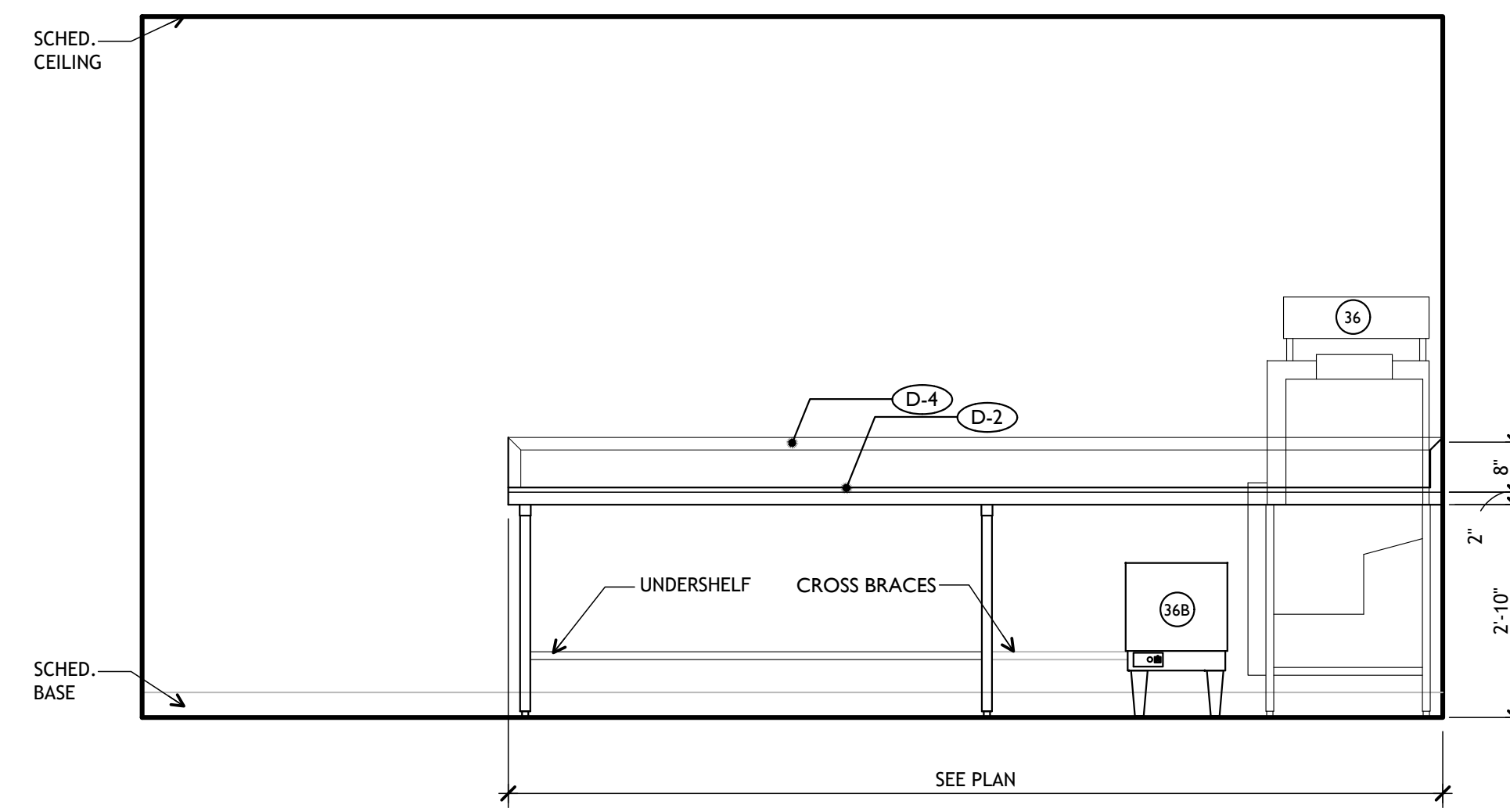
PROJECT TITLE  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITION AND  
 RENOVATIONS

OWNER  
 NORTH HARRISON  
 COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, INDIANA 47166

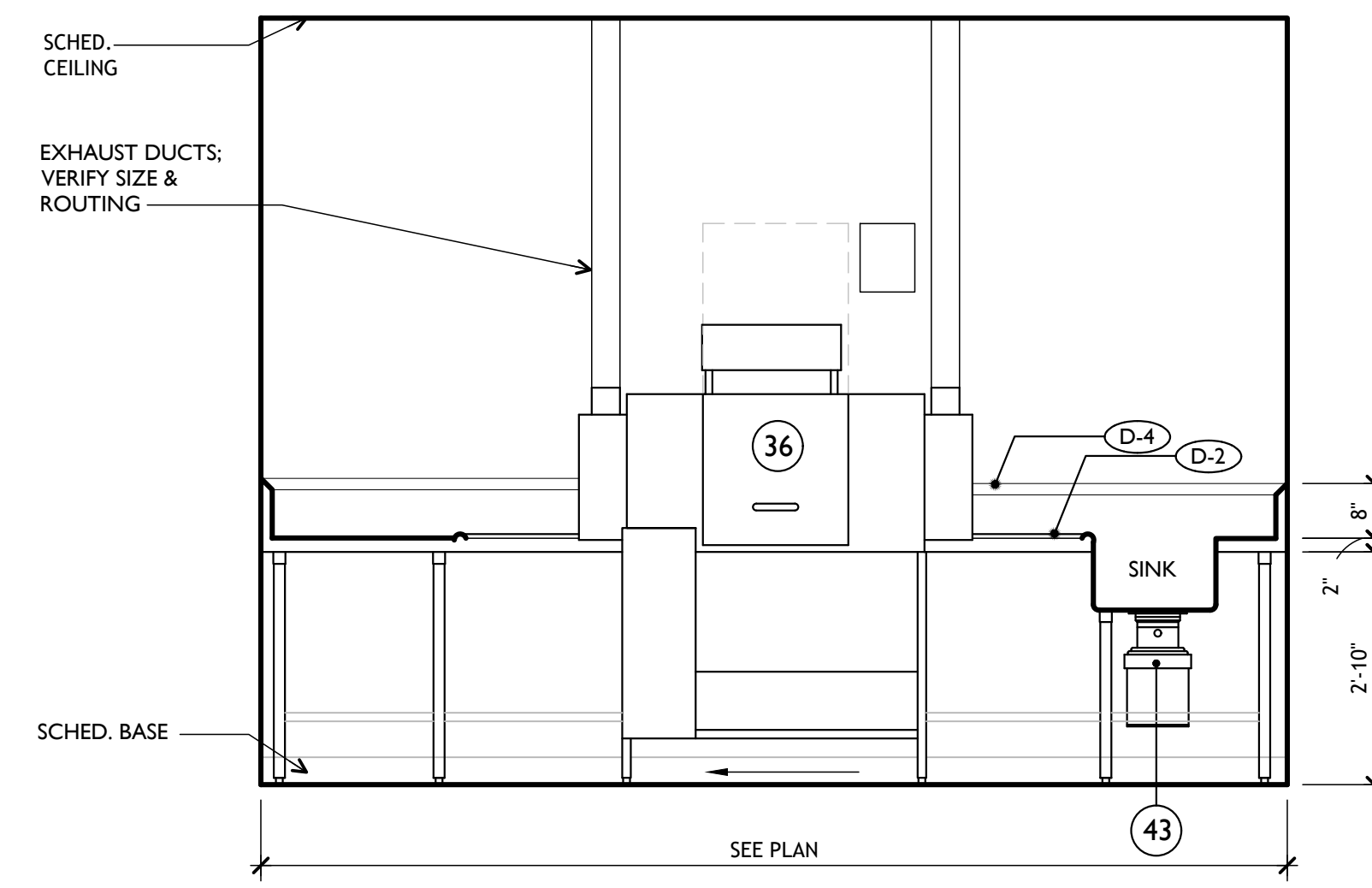
SHEET NUMBER  
 FOOD SERVICE EQUIPMENT SCHEDULE  
 APRIL 3, 2024  
 SHEET NUMBER  
**K 102**  
 23-228.001



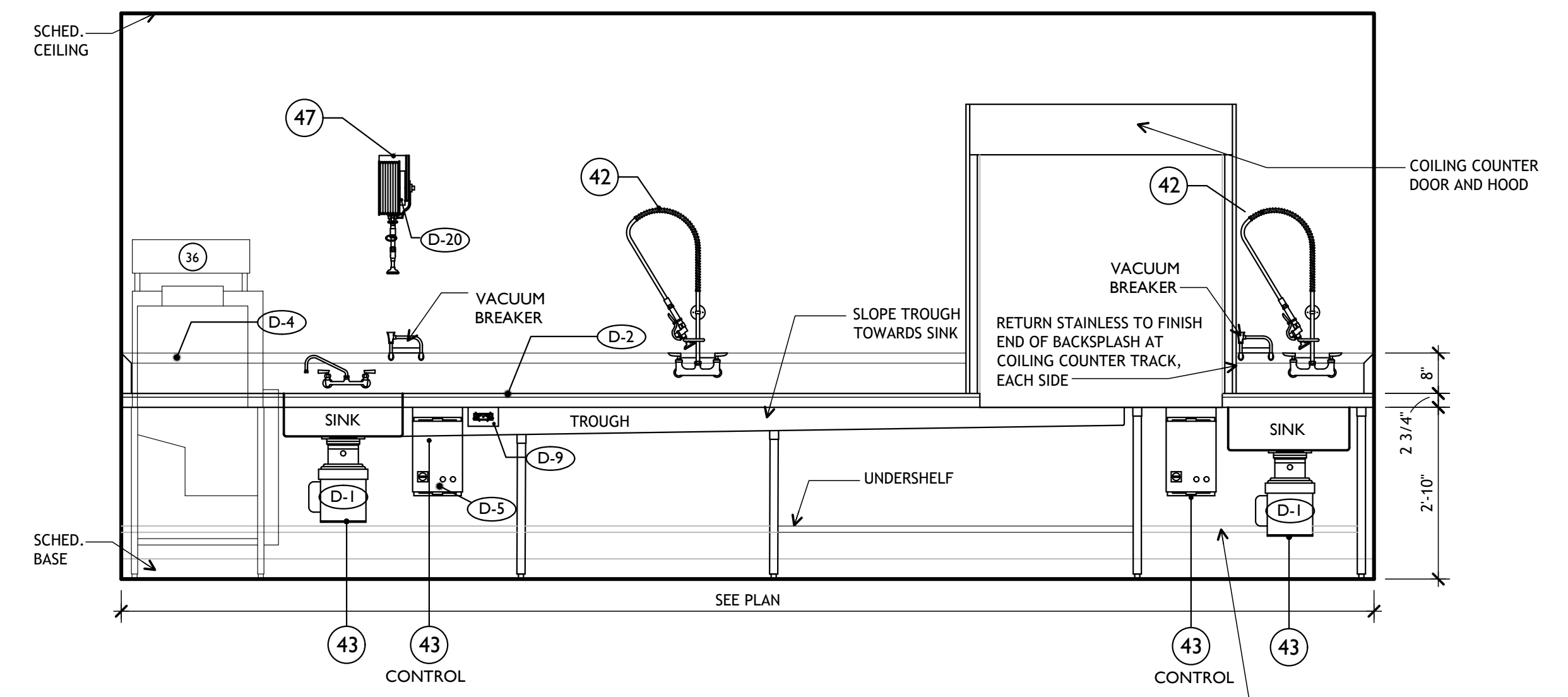




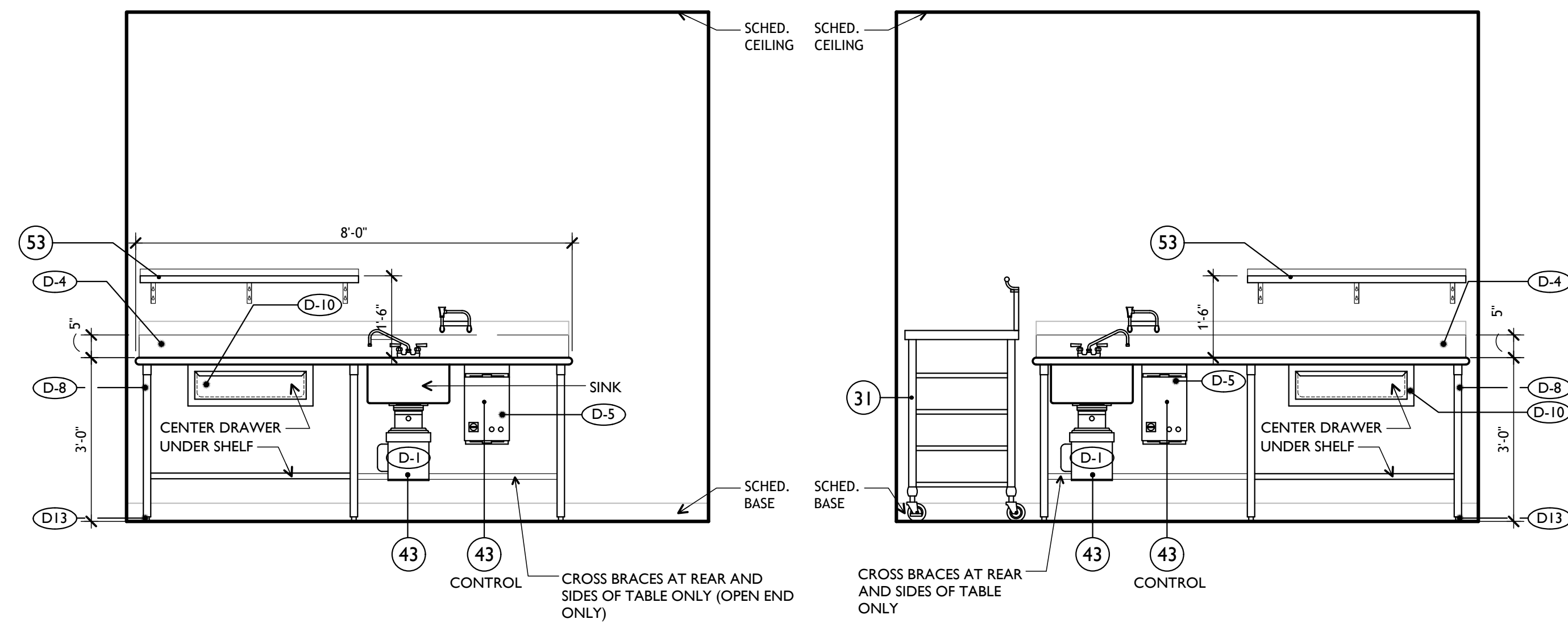
**3**  
K-301  
**FOOD SERVICE EQUIPMENT  
DISHWASHING SOUTH ELEV.**  
full size plot scale: 1/2"=1'-0"



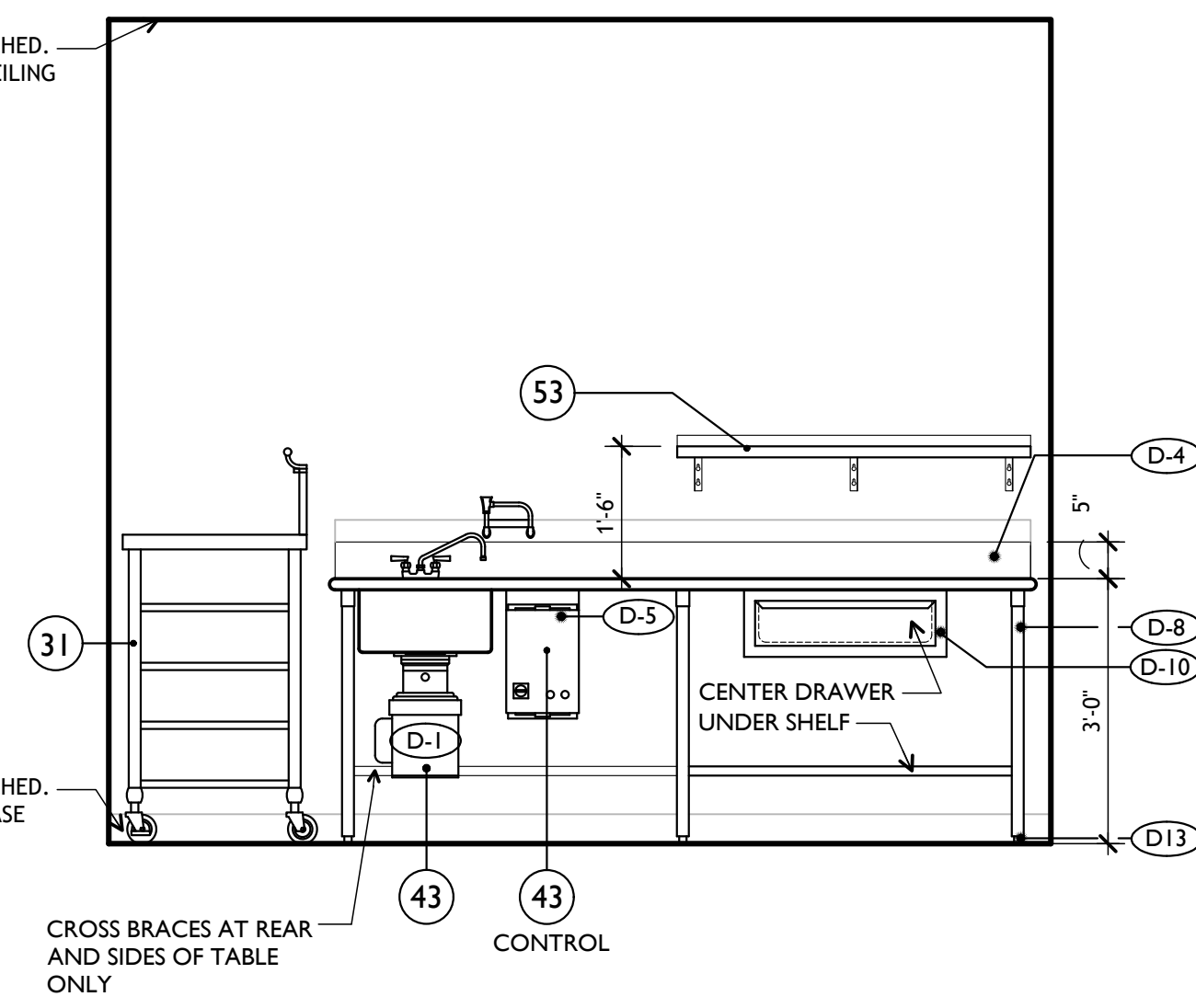
**2**  
K-301  
**FOOD SERVICE EQUIPMENT  
DISHWASHING WEST ELEV.**  
full size plot scale: 1/2"=1'-0"



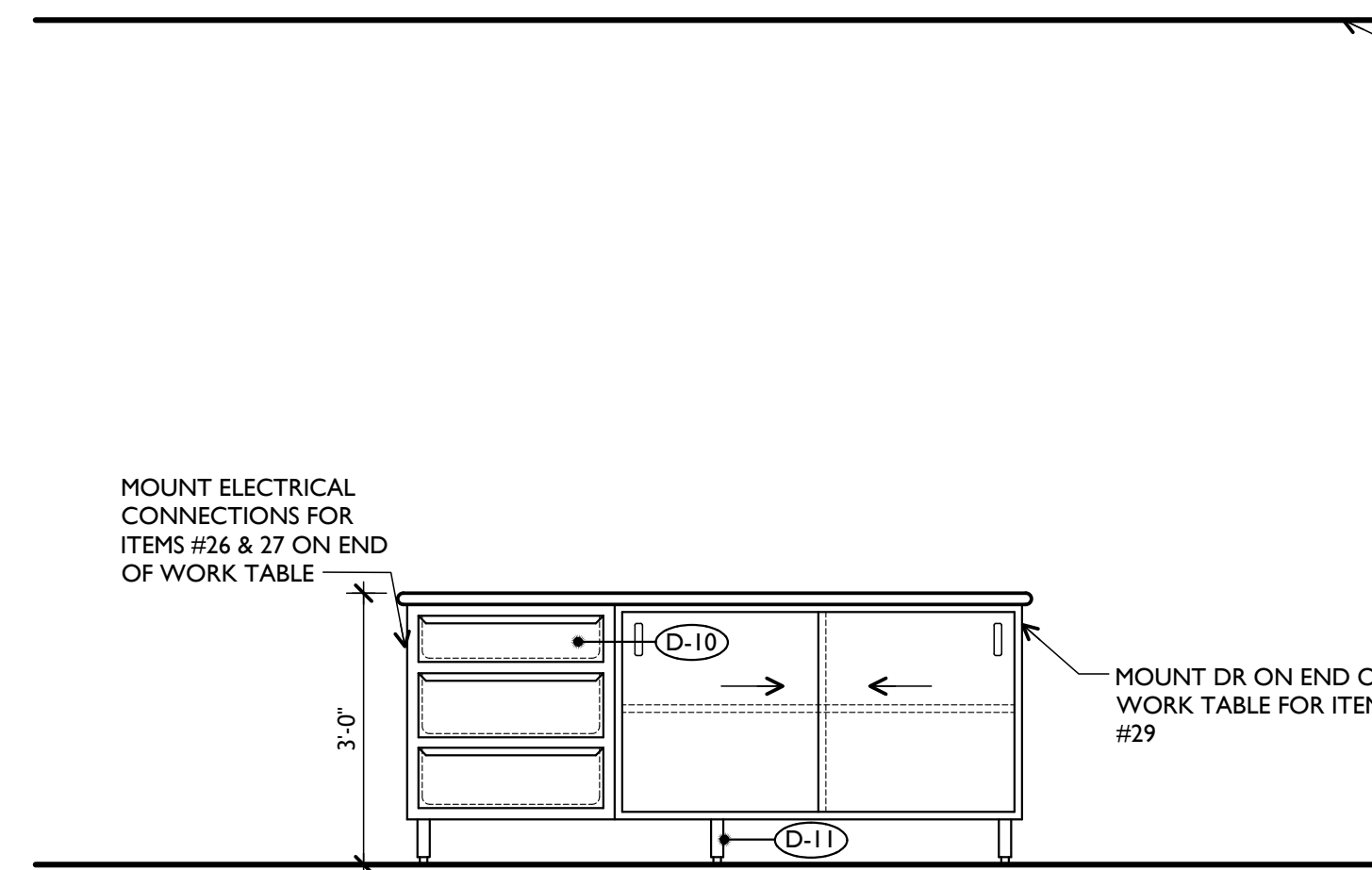
**1**  
K-301  
**FOOD SERVICE EQUIPMENT  
DISHWASHING NORTH ELEV.**  
full size plot scale: 1/2"=1'-0"



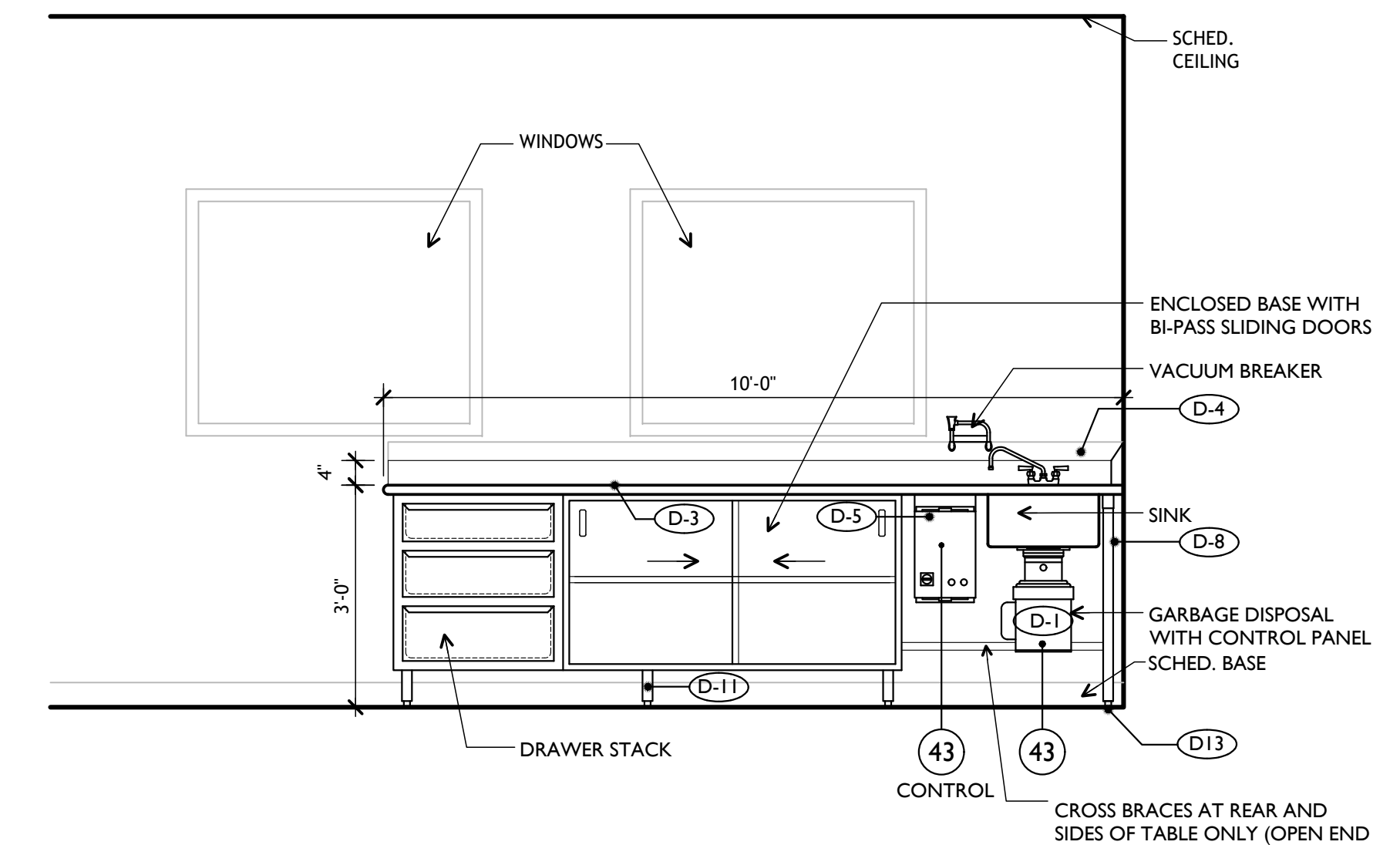
**7**  
K-301  
**FOOD SERVICE EQUIPMENT  
ITEM 49 ELEVATION**  
full size plot scale: 1/2"=1'-0"



**6**  
K-301  
**FOOD SERVICE EQUIPMENT  
ITEM 32 ELEVATION**  
full size plot scale: 1/2"=1'-0"

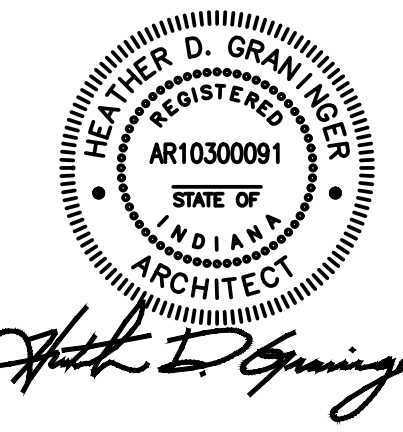


**5**  
K-301  
**FOOD SERVICE EQUIPMENT  
ITEM 28 ELEVATION**  
full size plot scale: 1/2"=1'-0"



**4**  
K-301  
**FOOD SERVICE EQUIPMENT  
ITEM 10 ELEVATION**  
full size plot scale: 1/2"=1'-0"

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

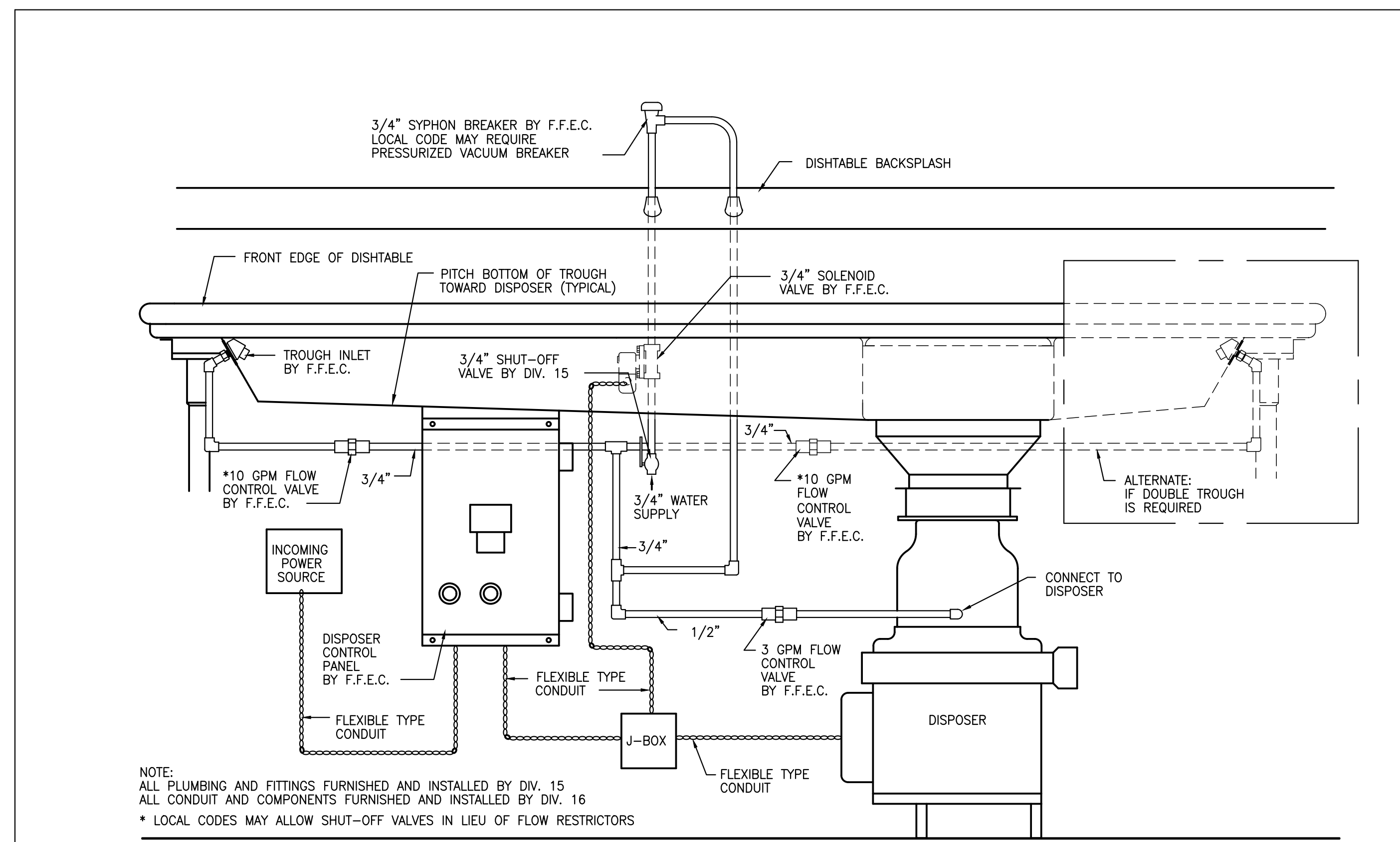
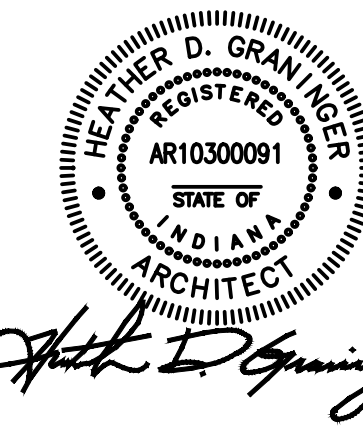


ISSUED FOR DATE  
Public Bidding 04-03-2024

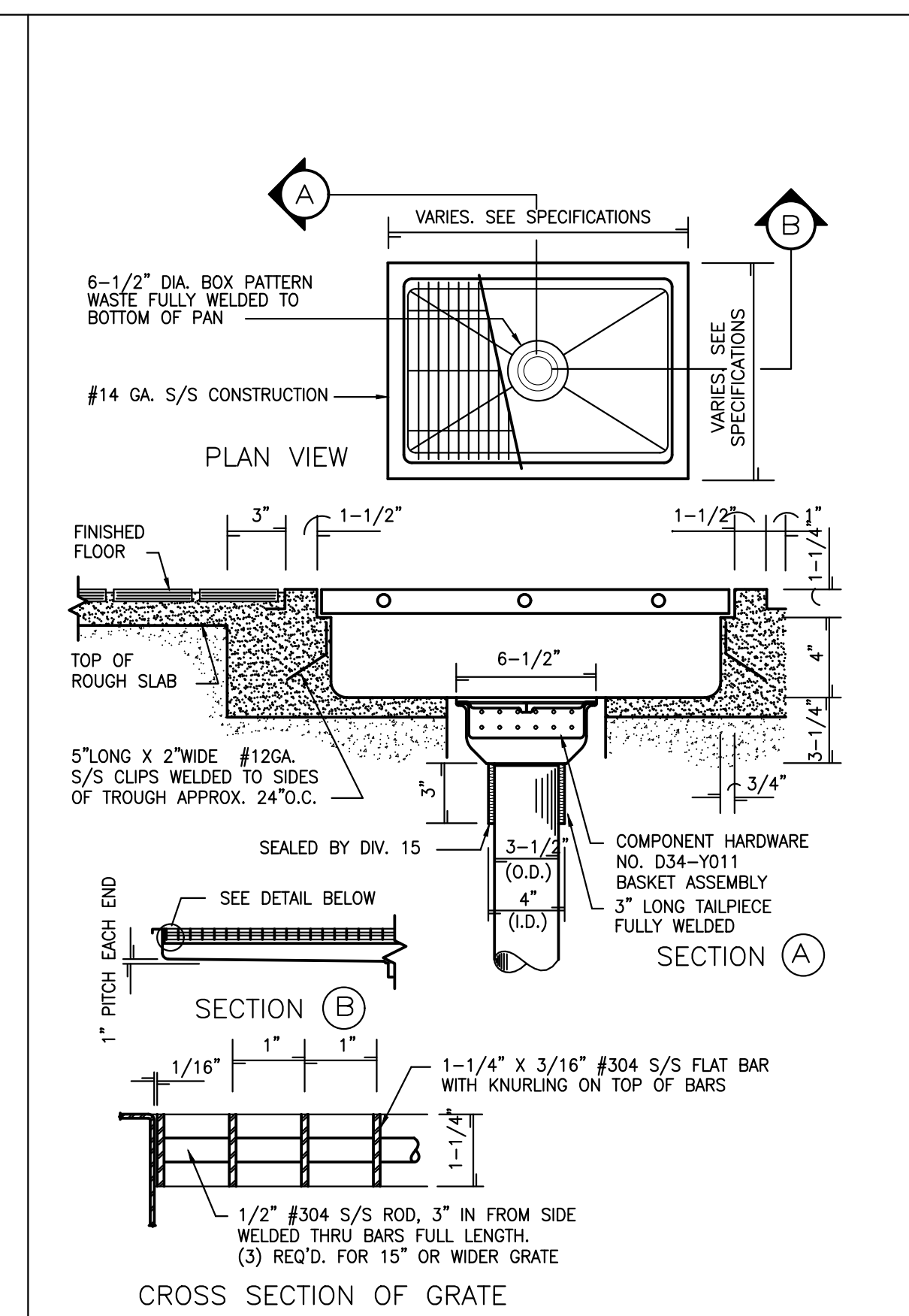
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITION AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

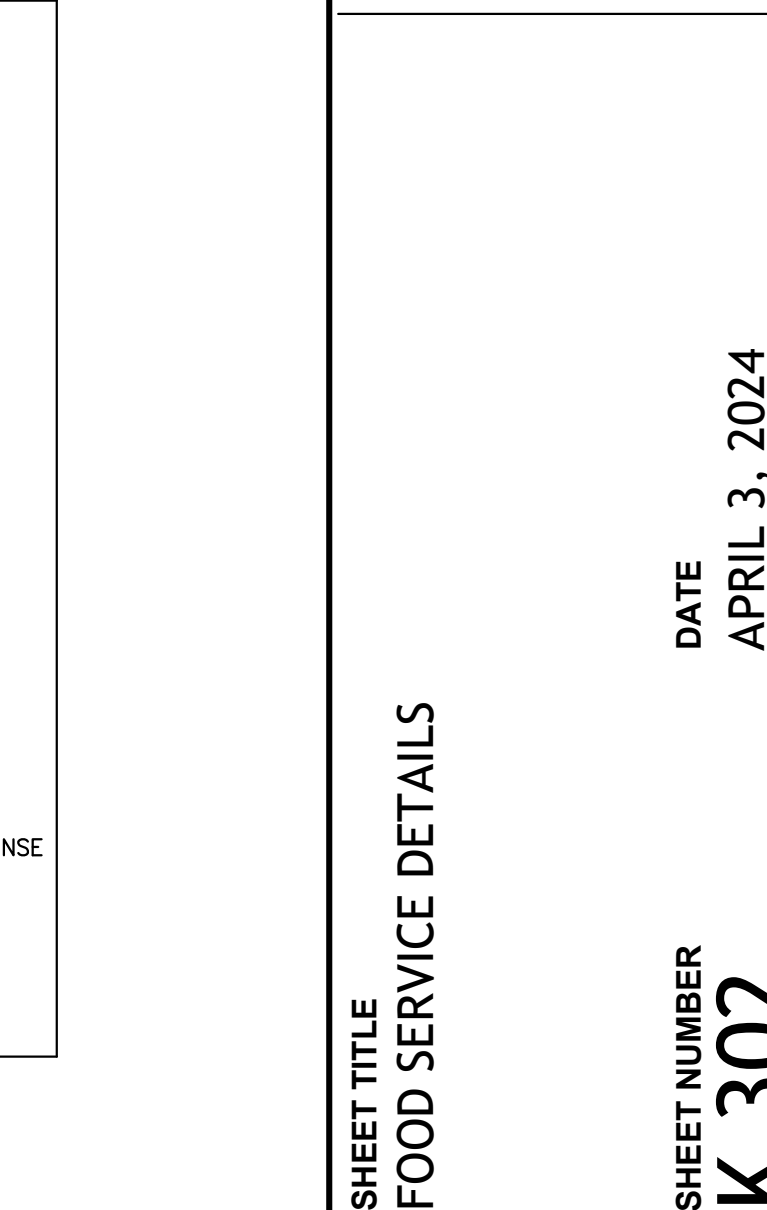
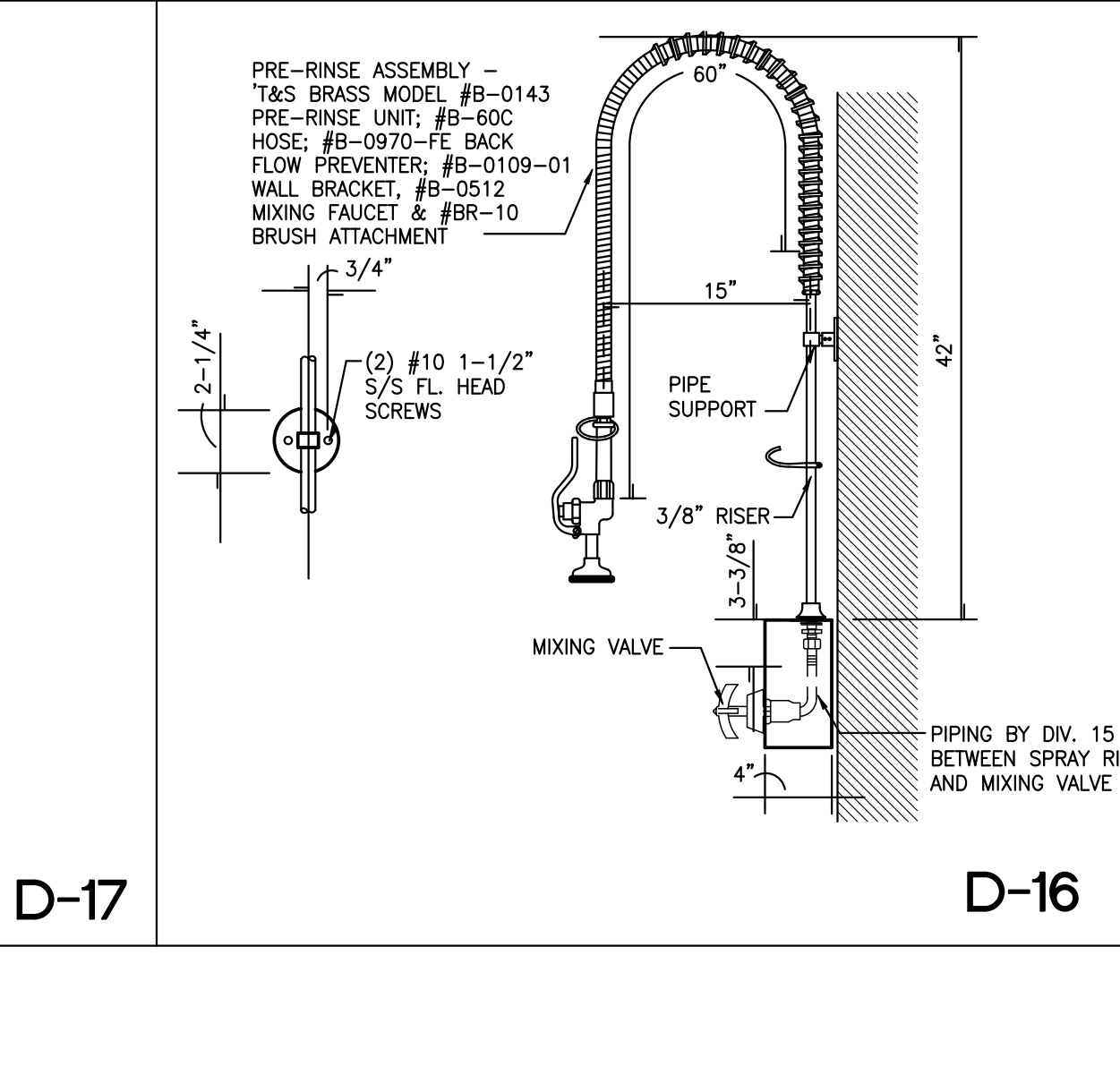
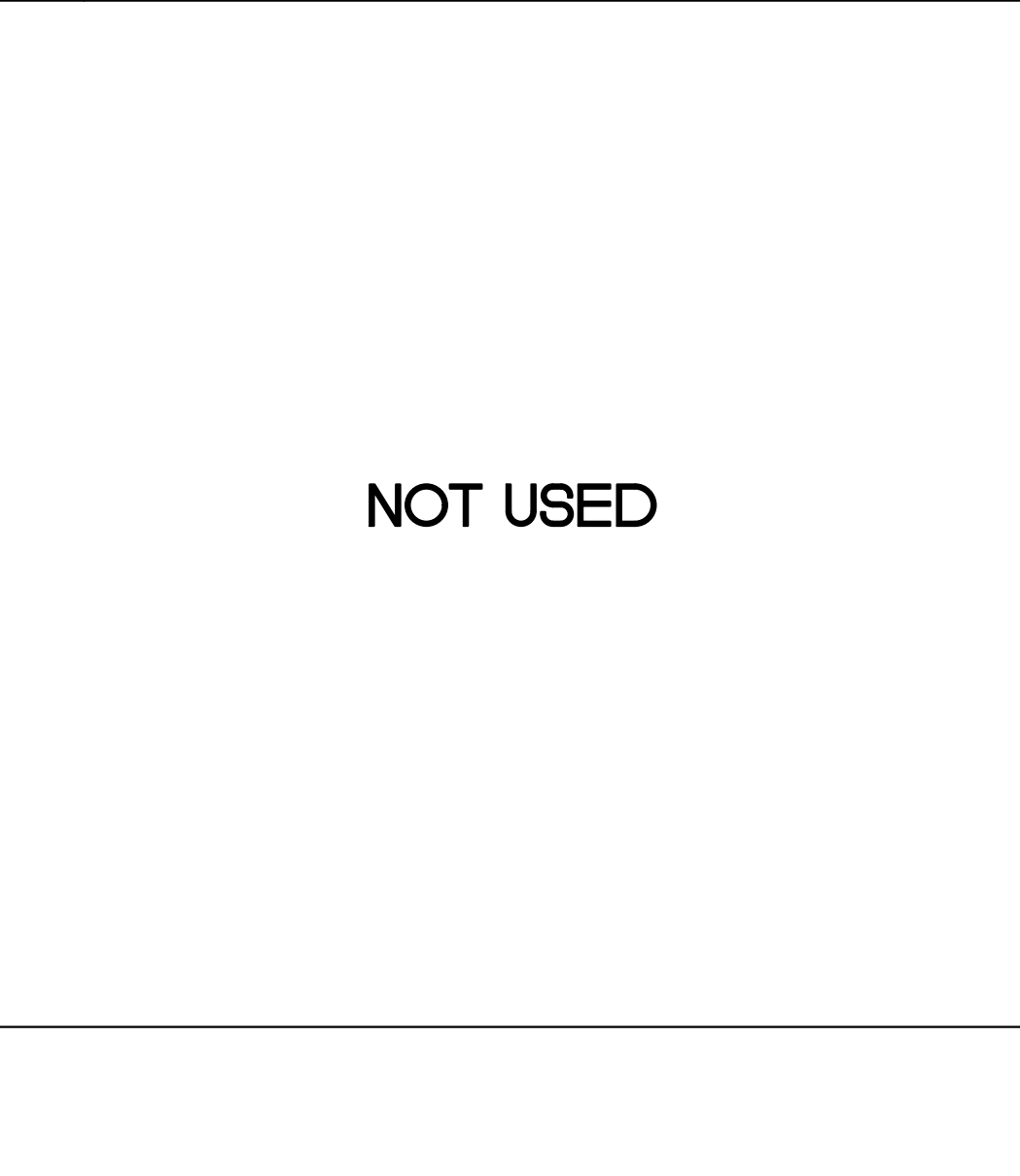
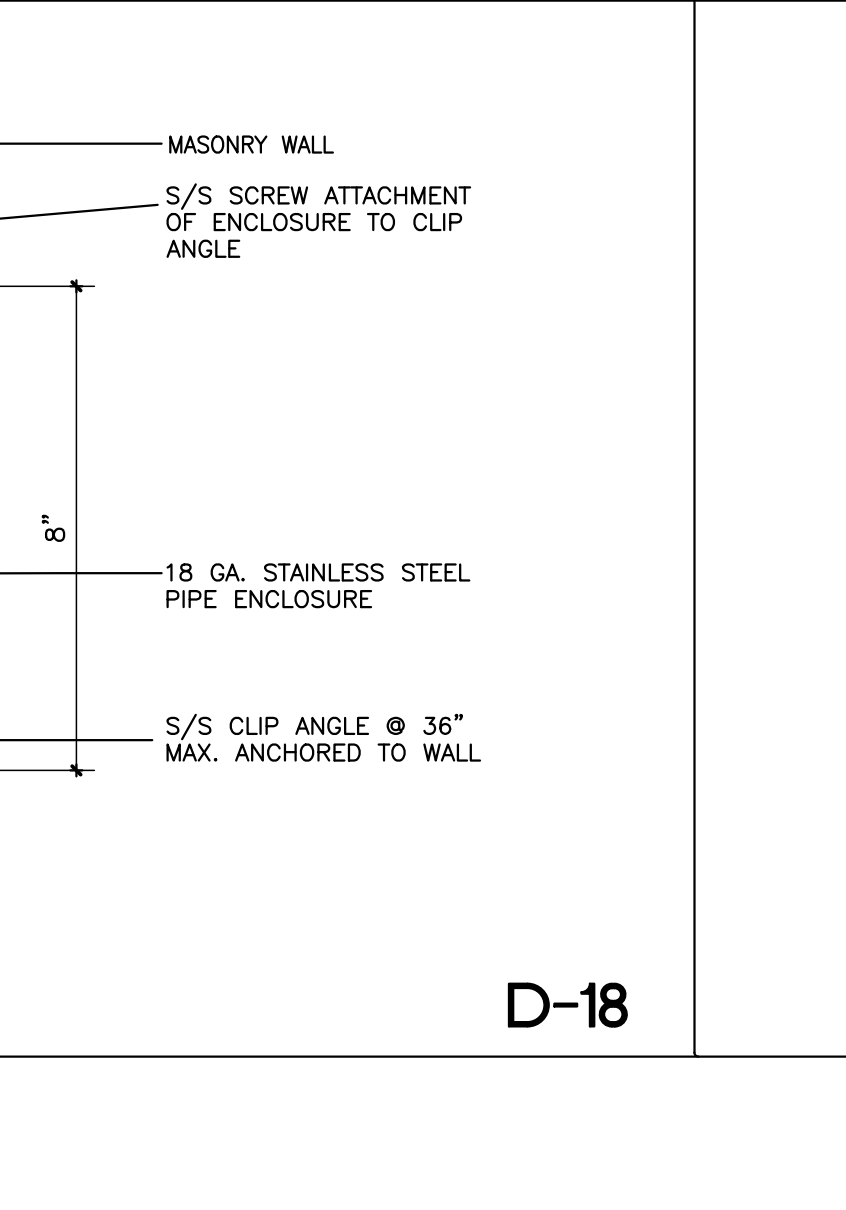
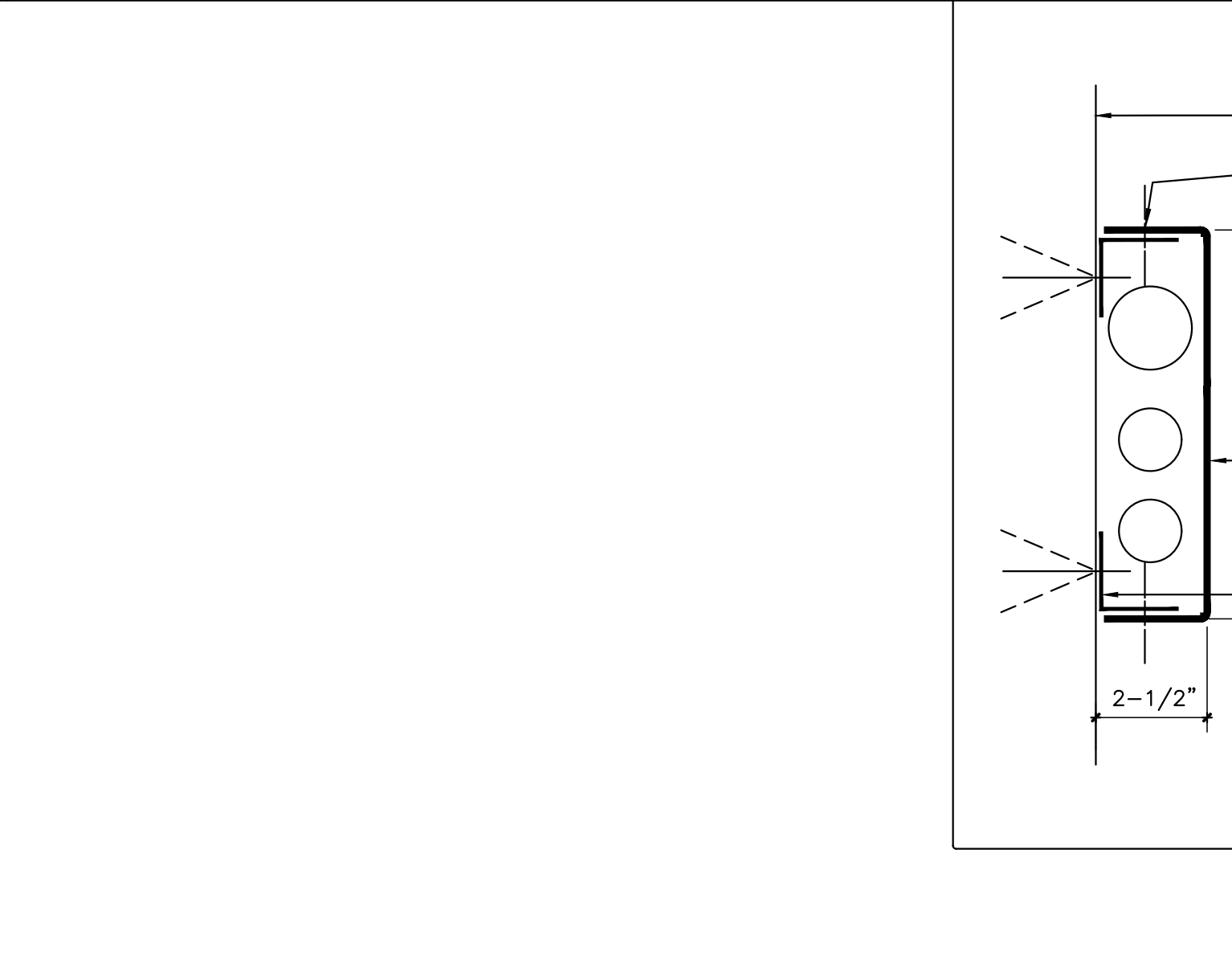
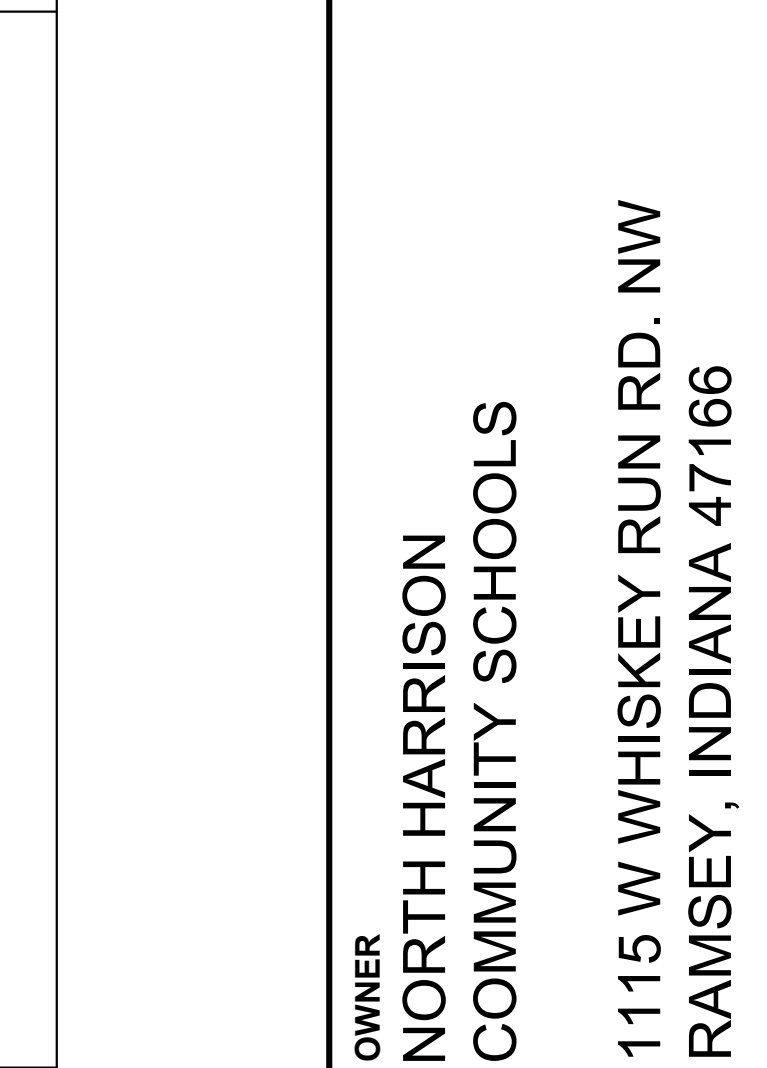
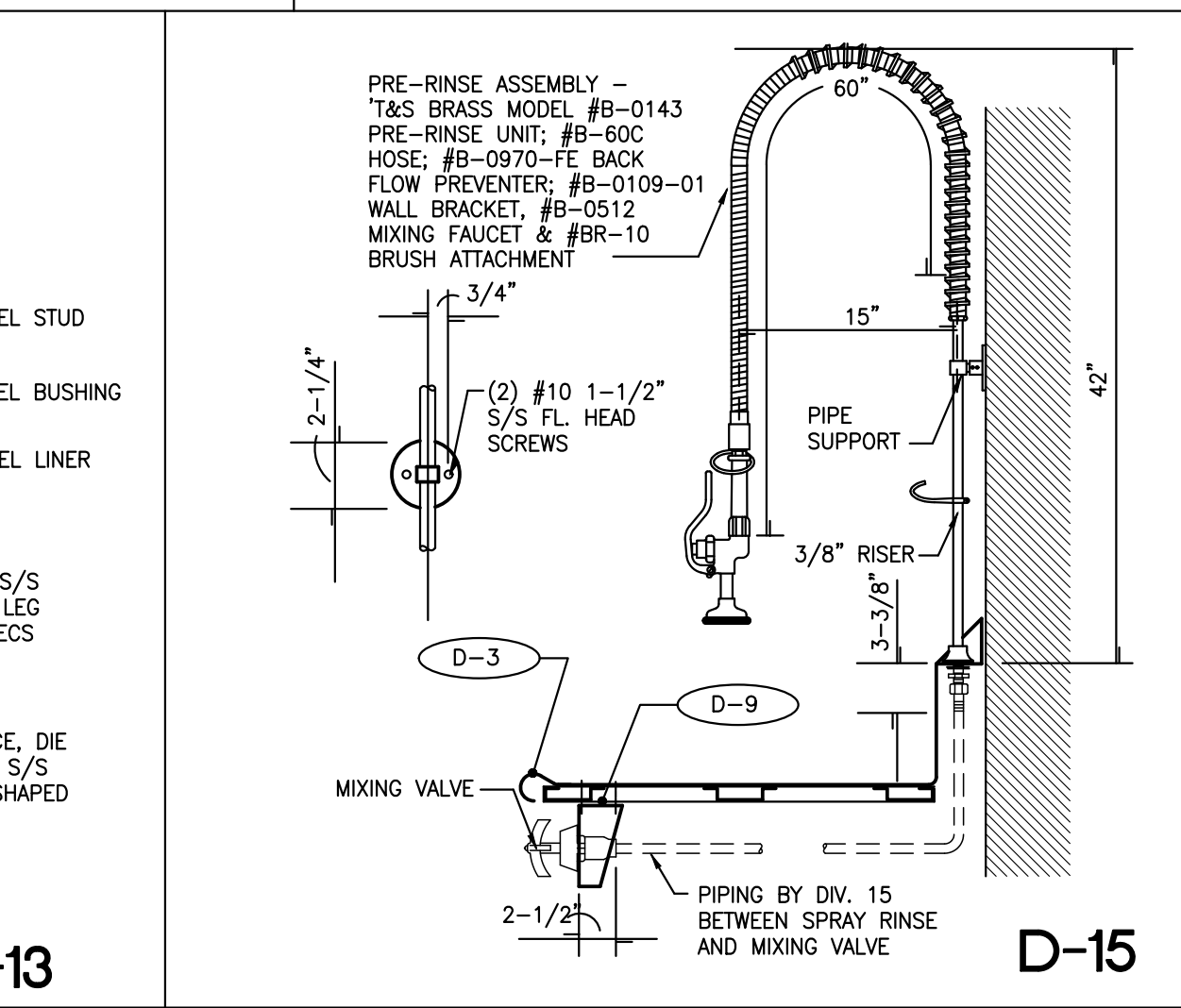
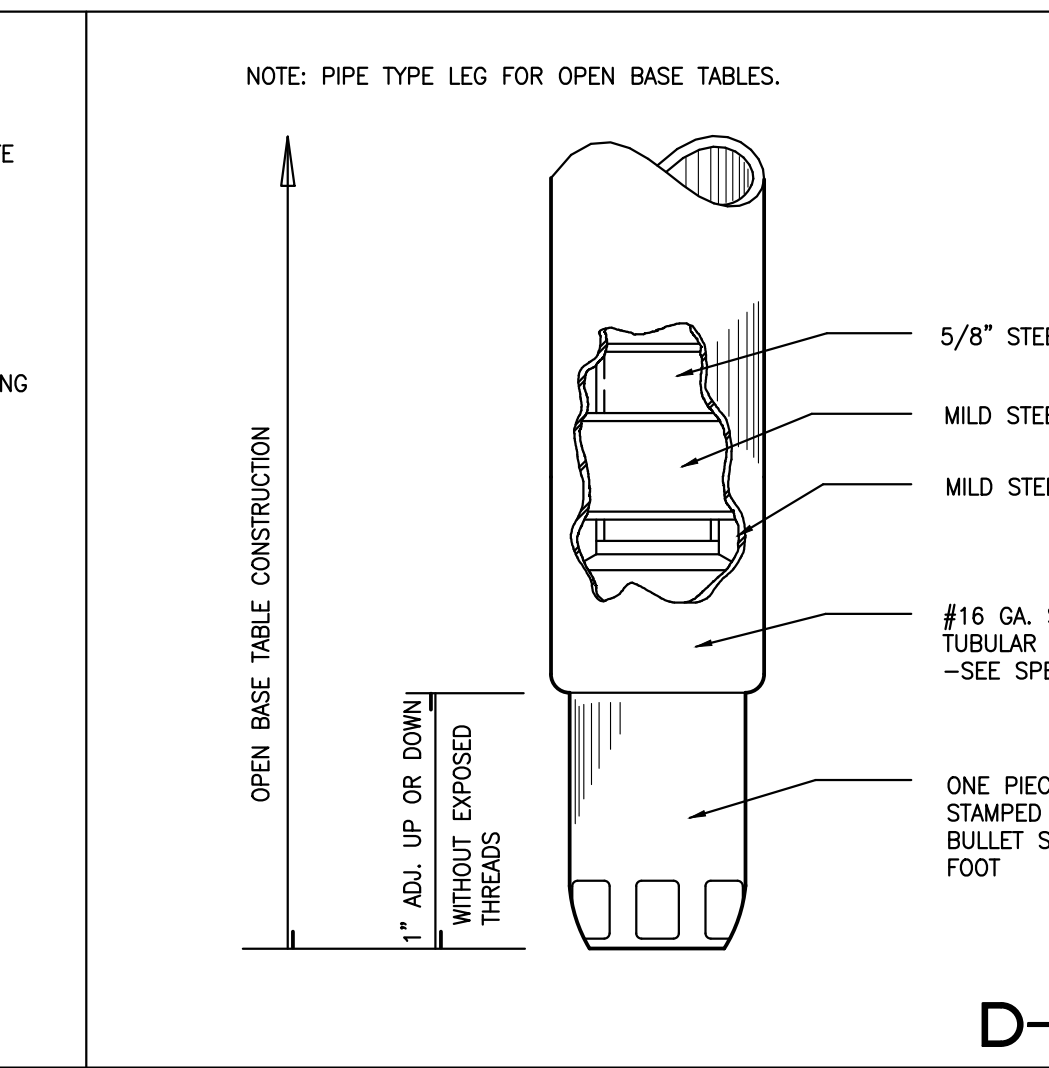
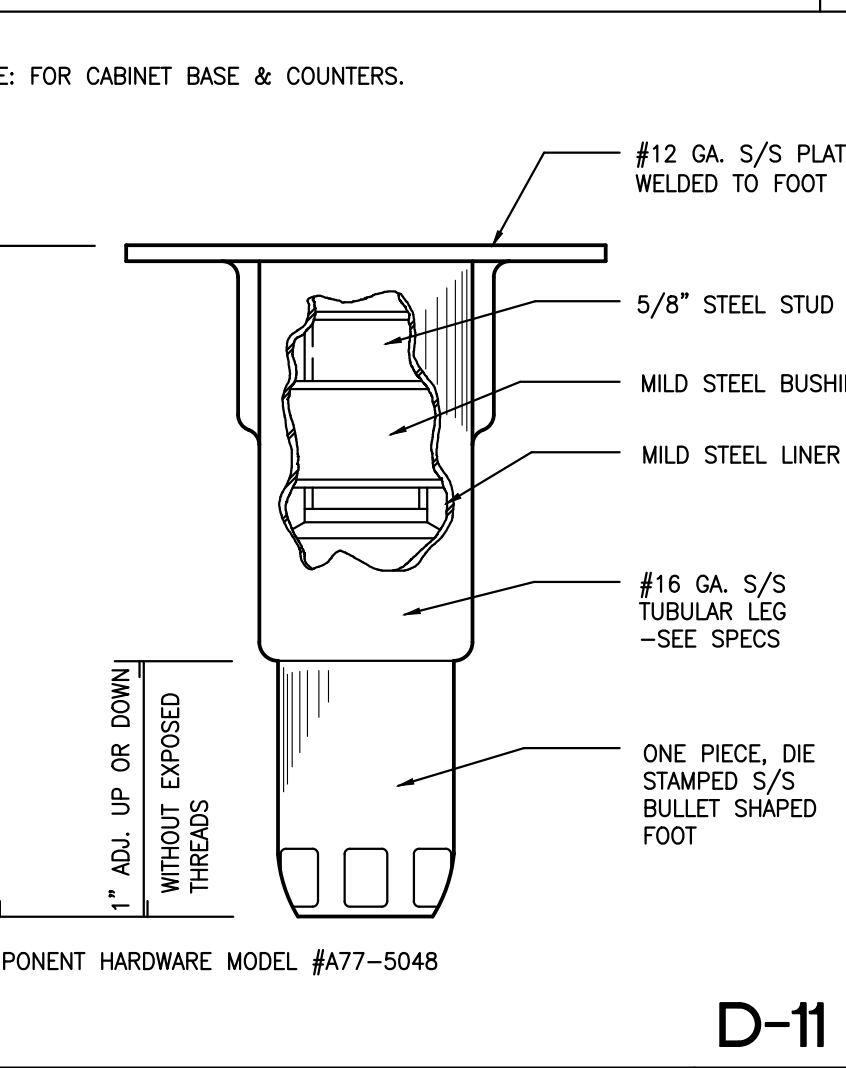
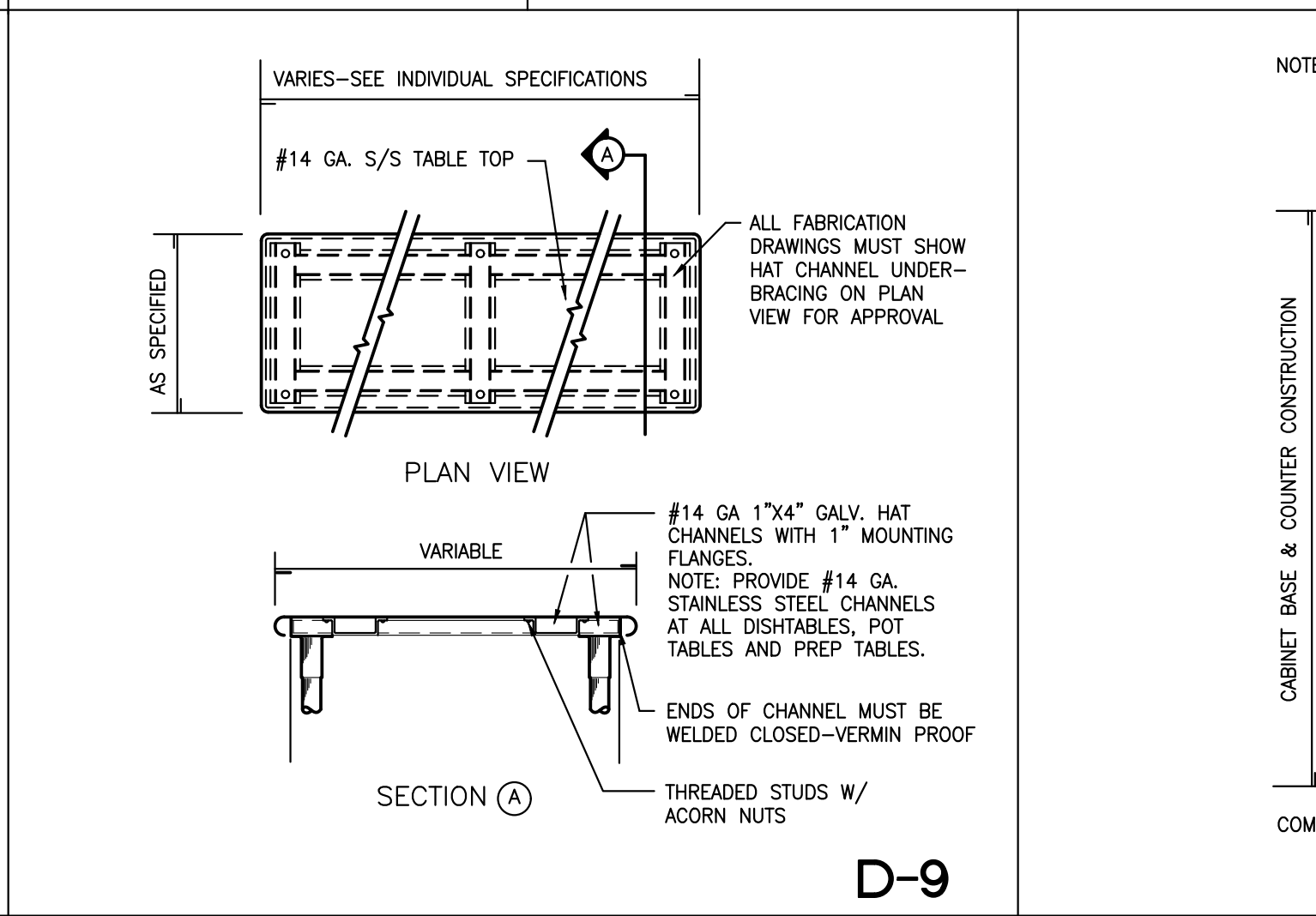
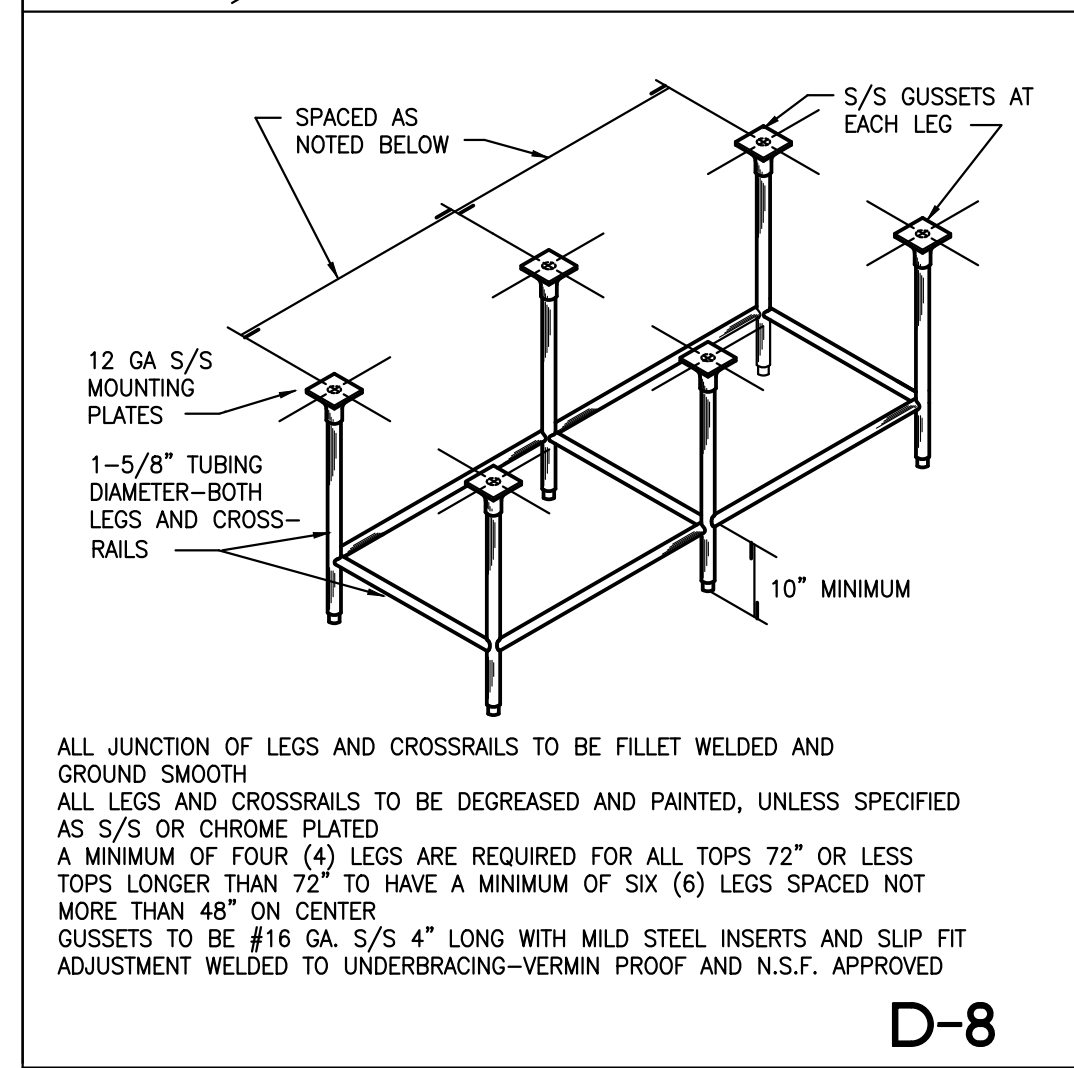
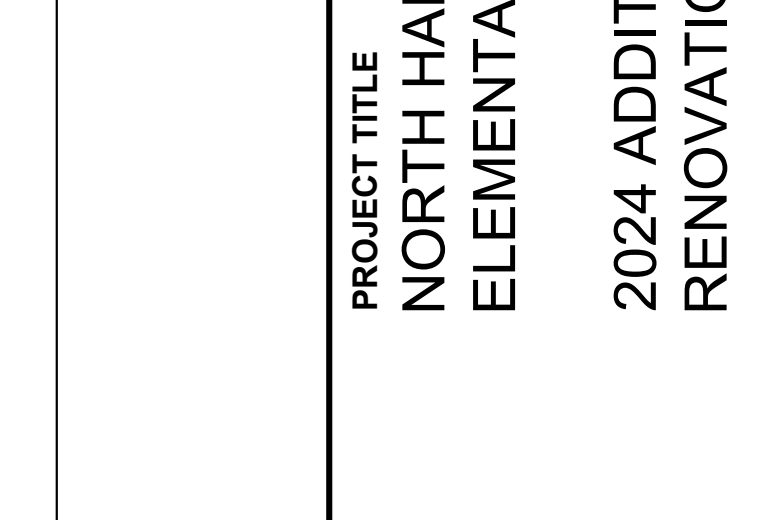
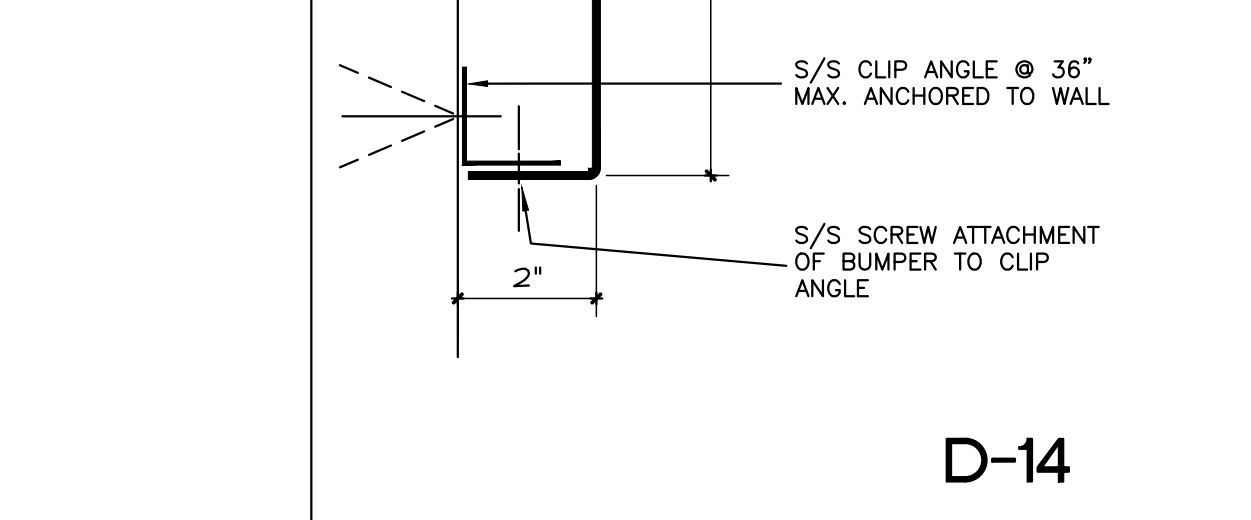
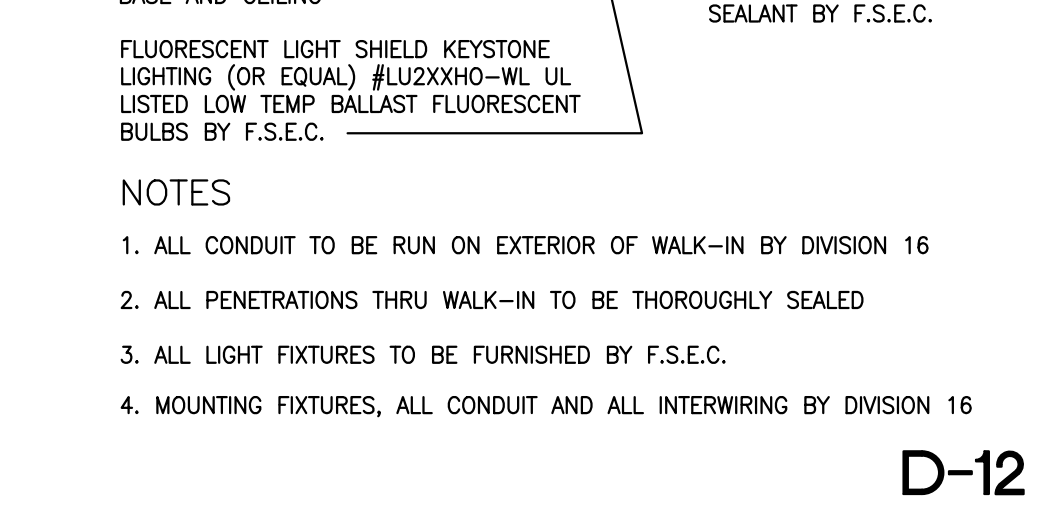
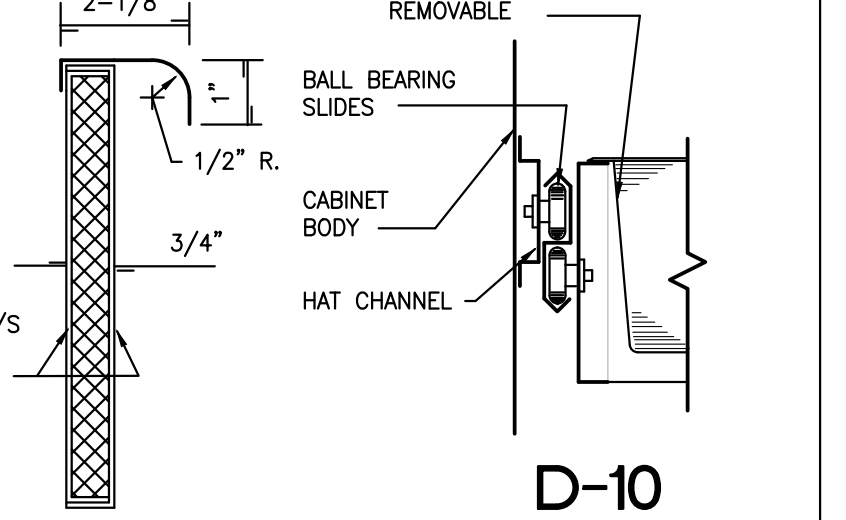
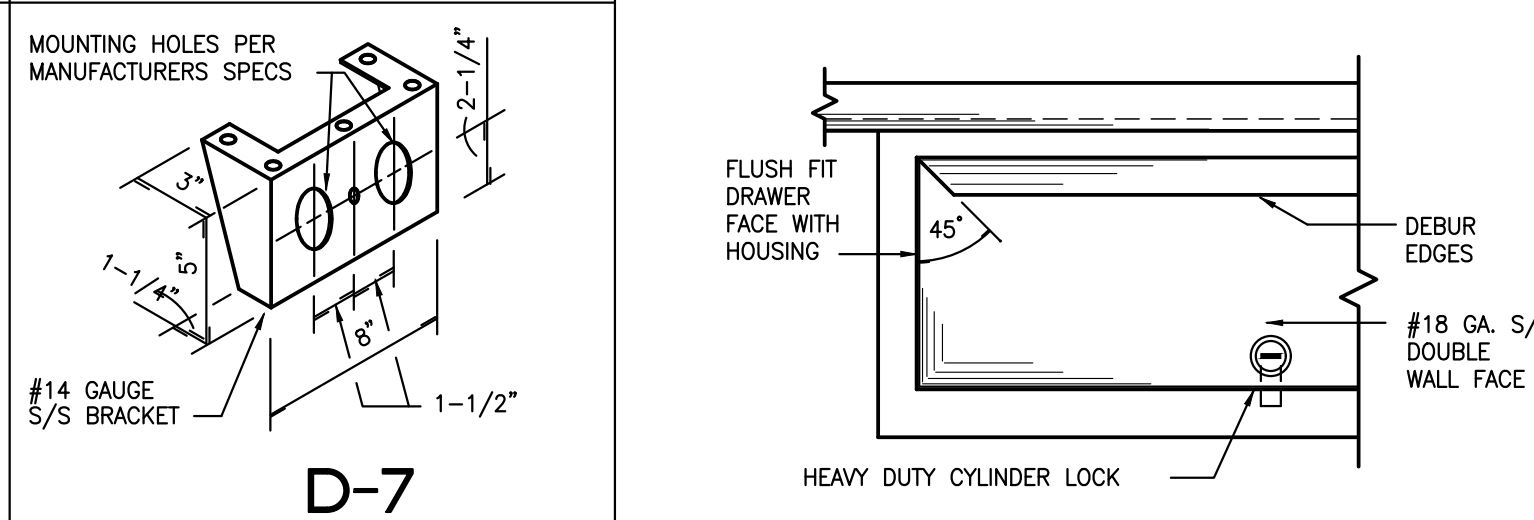
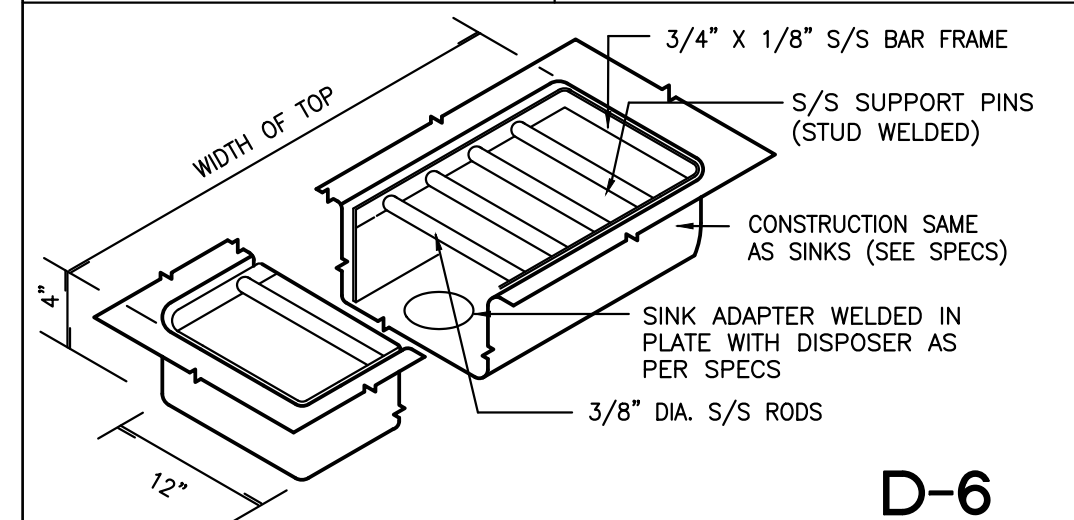
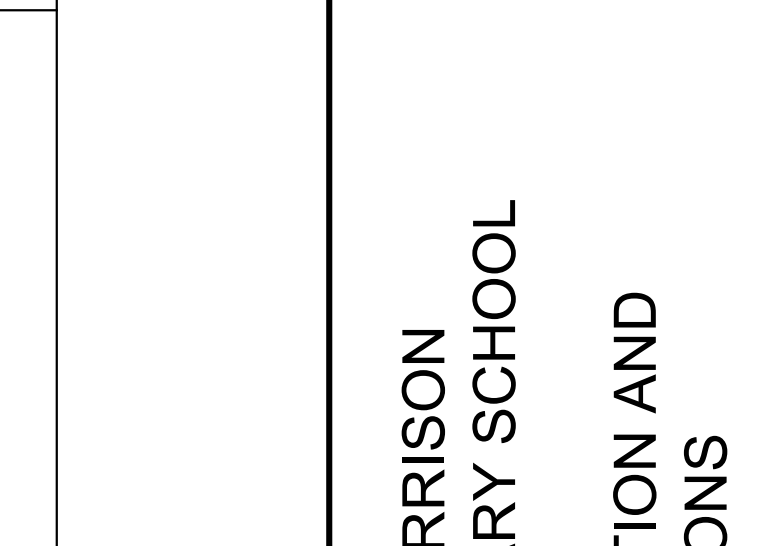
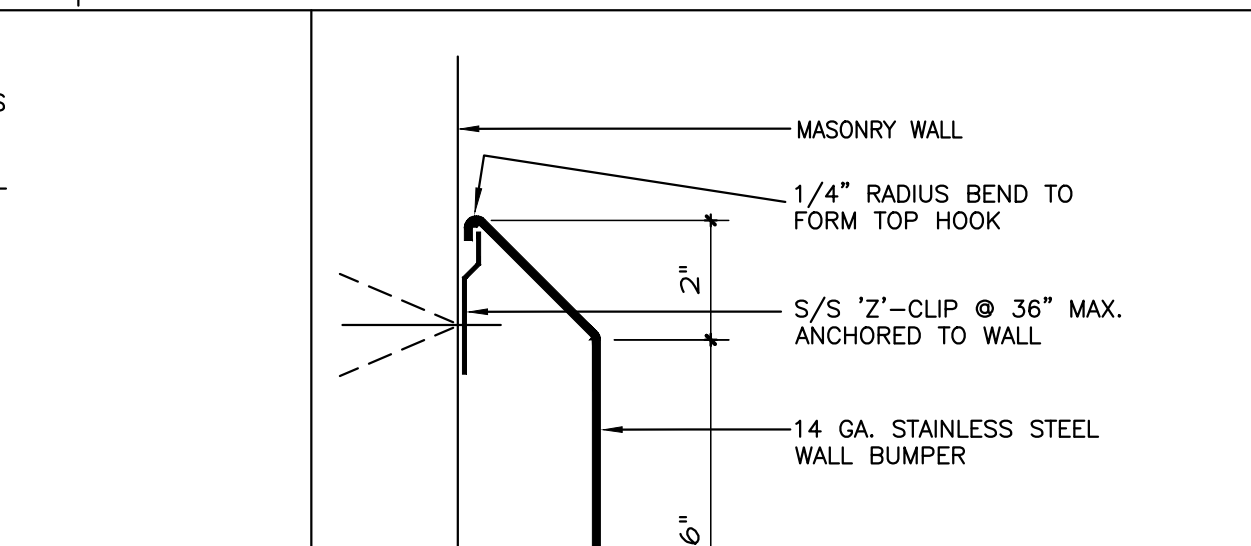
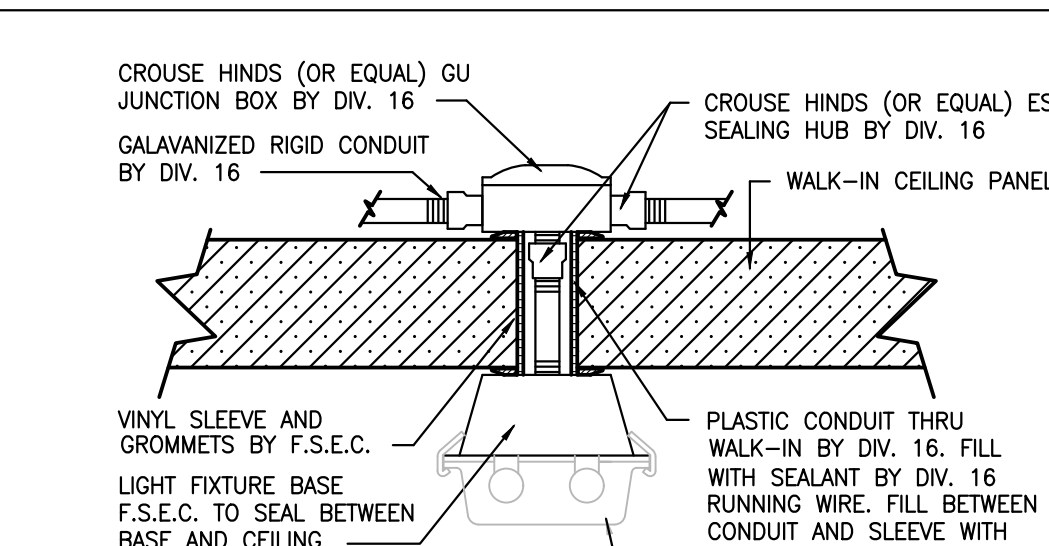
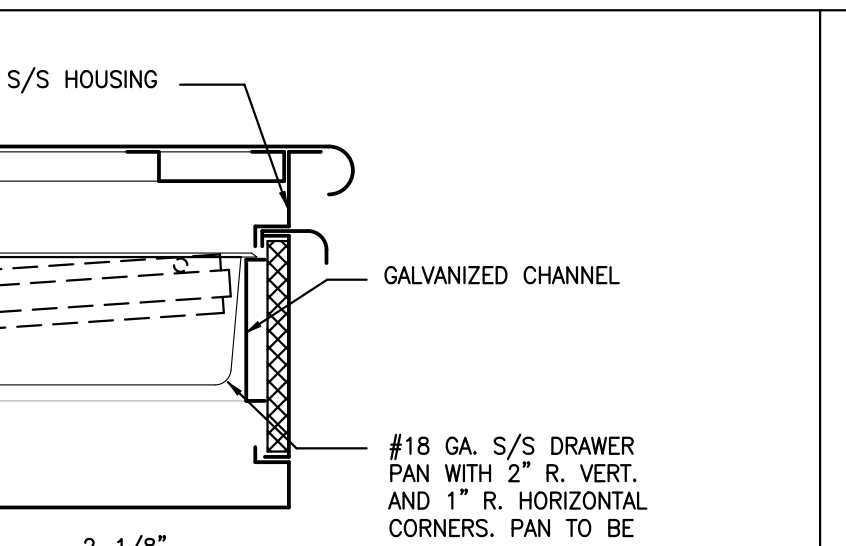
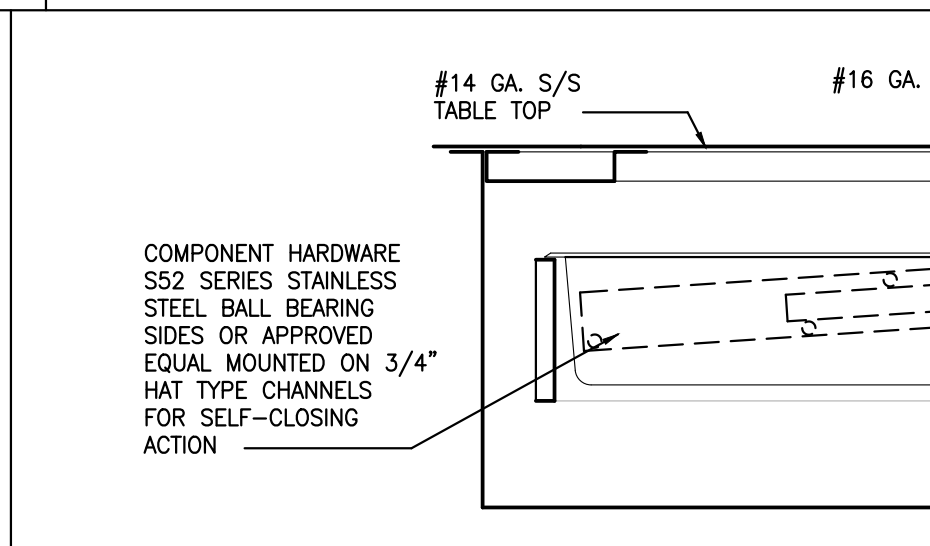
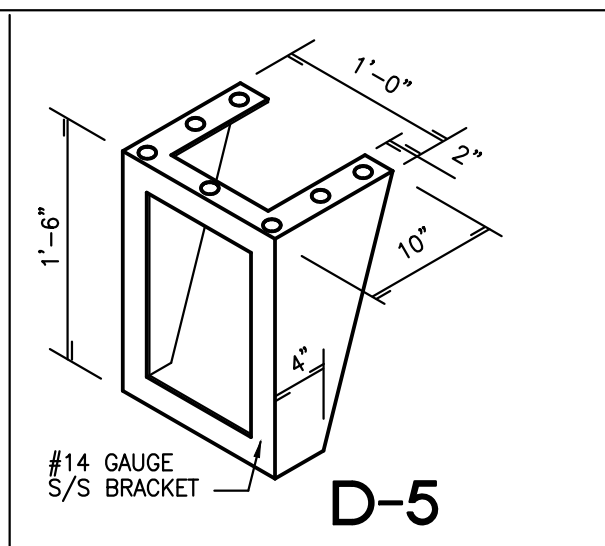
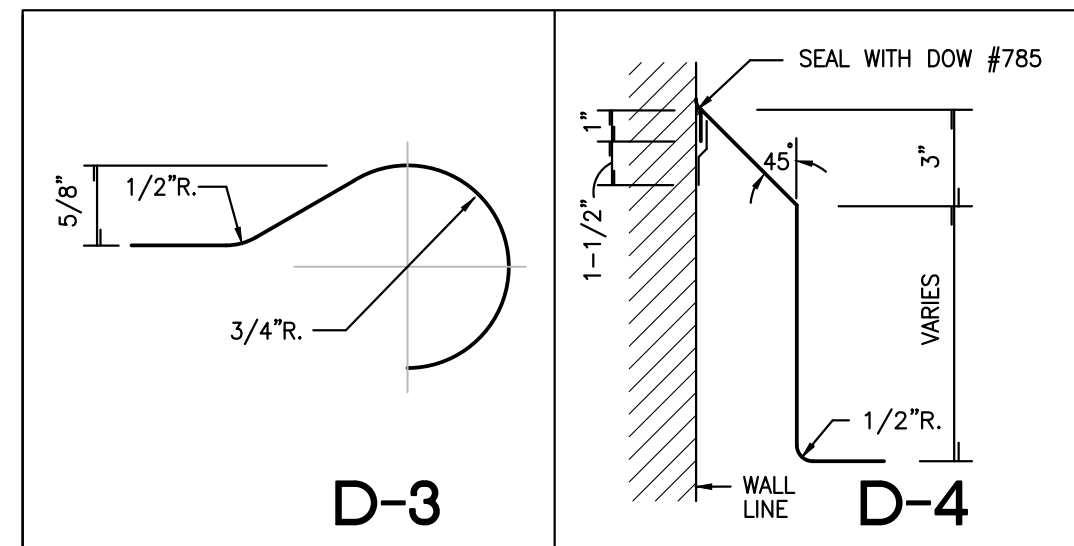
SHEET TITLE  
FOOD SERVICE ELEVATIONS  
DATE  
APRIL 3, 2024  
SHEET NUMBER  
K 301  
23-228.001



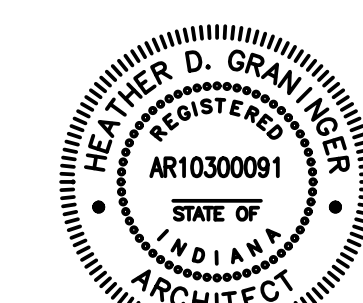
D-1



D-2



**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and it is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



Andrew D. Graninger  
ARCHITECT

ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS

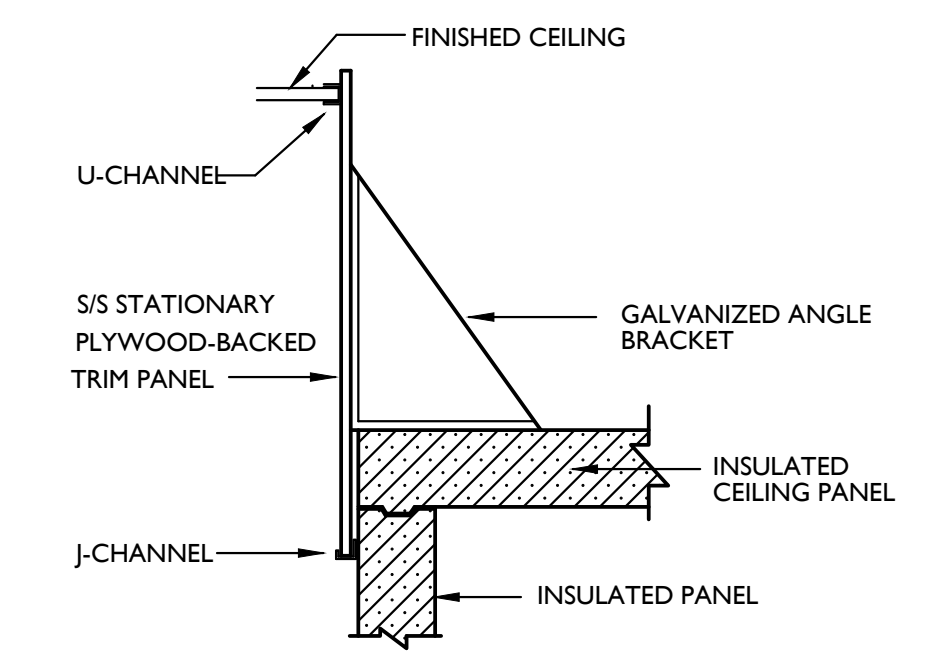
1115 W WHISKEY RUN RD. NW  
RAMSEY, INDIANA 47166

DATE  
APRIL 3, 2024

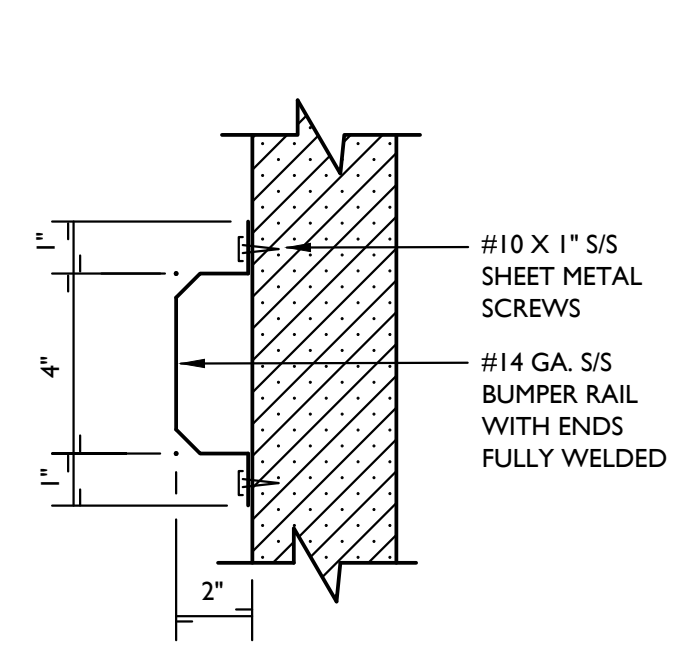
SHEET NUMBER  
**K 303**  
23-228.001

**WALK-IN BOX NOTES:**

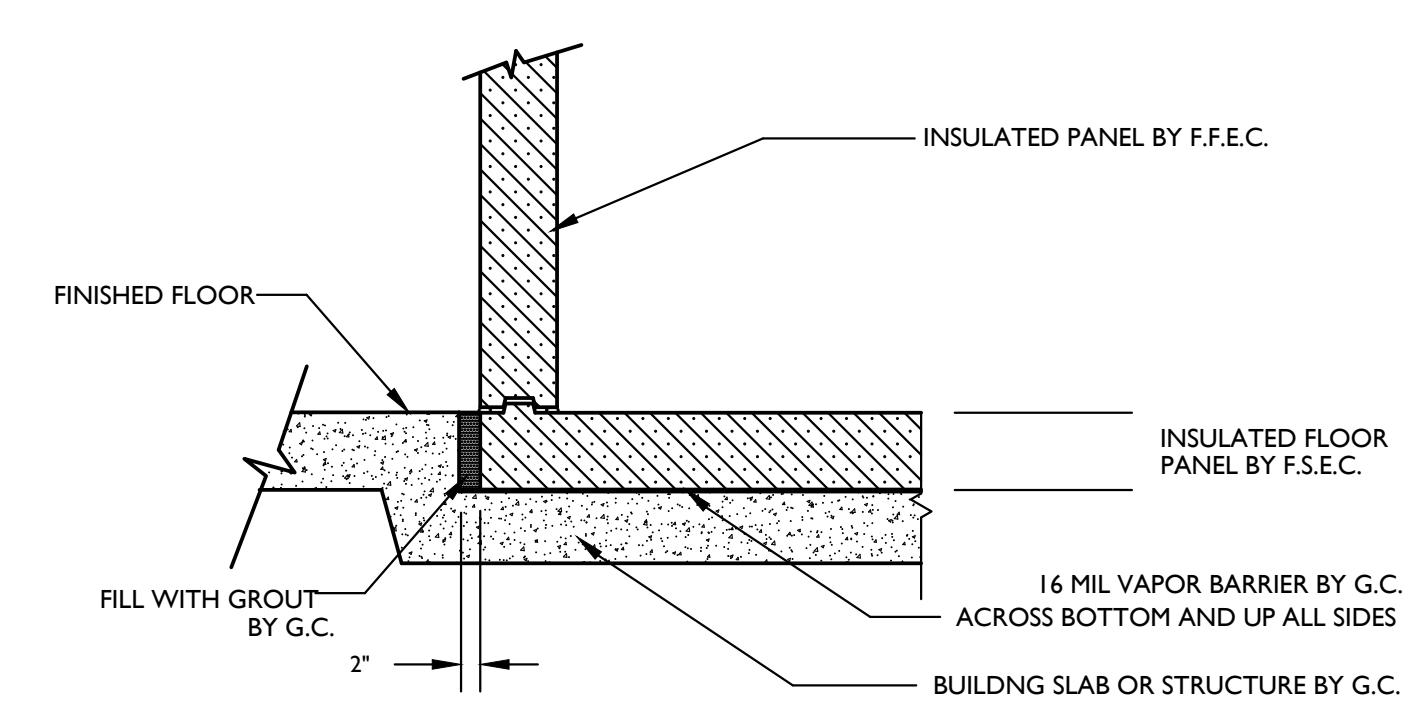
- OVERALL DIMENSIONS: SEE PLAN
- FINISHES**  
EXTERIOR WALLS: 20 GA. TYPE 304, #3 FINISH STAINLESS STEEL  
INTERIOR WALLS: 20 GA. TYPE 304, #3 FINISH STAINLESS STEEL  
INTERIOR CEILING: 24 GA. ZINC BONDED STEEL WITH WHITE ACRYLIC FINISH  
INTERIOR FLOOR: .125" TREAD-BRITE DIAMOND PATTERN ALUMINUM
- SECTION FASTENERS:** CAM TYPE INSTA-LOK
- INSULATION:** COOLER: 4" THICKNESS "FOAMED-IN-PLACE" URETHANE-DURATHANE CONSTRUCTION CLASS I  
FREEZER: 5" THICKNESS "FOAMED-IN-PLACE" URETHANE-DURATHANE CONSTRUCTION CLASS I
- ELECTRICAL:** ALL WIRING CONTAINED WITHIN THE DOOR SECTIONS IS 115V/60 PH. CONNECTIONS TO THIS AND ALL OTHER LIGHTS AND REFRIGERATION SUPPLIED BY OTHERS.
- ENTRANCE DOOR:** FLUSH INFITTING TYPE WITH POLY VINYL MAGNETIC GASKET AND VINYL SWEEP GASKET ON BOTTOM EDGE.
- HEATER CABLES:** BUILT-IN AROUND DOOR OPENING TO PREVENT FROST ACCUMULATION AND SWEATING.
- EXTERIOR CONTROLS:** DIGITAL THERMOMETER, INDICATING LIGHT AND TOGGLE SWITCH FOR INTERIOR LIGHT
- INTERIOR:** VAPOR-PROOF LIGHTS
- DOOR SIZE:** 36" WIDE x 84" HIGH
- DOOR HARDWARE:** (3) CAMLIFT HINGES, PNEUMATIC DOOR CLOSURE PER DOOR
- DOOR ACCESSORIES:** (1) 12" x 15" NON-HEATED PEEP WINDOW (COOLER DOOR)  
(1) 12" x 15" HEATED PEEP WINDOW (FREEZER DOOR)  
(2) INTERNATIONAL # 85AL DOOR CLOSERS  
(1/8" ALUMINUM TREADPLATE INT. & EXT. KICKPLATES 36" HIGH (HINGED DOORS)  
(2) NCC-DIGITAL ALARM/THERMS #TM100-A10 WITH REFF/ZR PROBE & TRANSFORMER STAINLESS STEEL ON INTERIOR & EXTERIOR DOORS & DOOR FRAMES  
VAPOR-PROOF LIGHTS POSITIONED AS SHOWN OVER HINGED DOORS  
DOOR & SILL HEATERS  
DEADBOLT LOCKS
- MISCELLANEOUS:** 48" LONG KEYSTONE #LU2448HO LIGHT FIXTURES WITH #F48T8CWHO LAMPS (NOT MOUNTED) WITH LOW TEMP BALLASTS - COOLER/FREEZER  
DIGITAL THERMOMETER / ALARM COMBO UNIT MOUNTED ON COOLER & FREEZER HINGED DOOR EXTERIOR HEADERS  
(2) HEATED PRESSURE RELIEF VENTS (COOLER & FREEZER) 25 WATTS EACH  
SECTIONAL CLOSURE TRIM PANELS TO FINISHED CEILING (MATCH BOX EXTERIOR FINISH)  
SPECIAL VERTICAL TRIM AS REQUIRED  
(2) ROWS 4" WIDE S/S BUMPER RAIL ON EXPOSED WALLS AS SHOWN @ 18" & 36" AFF  
(2) ROWS 4" WIDE VINYL BUMPER RAIL ON EXPOSED WALL AS SHOWN @ 18" & 36" AFF  
8"X8"X48" HIGH X .080 TREADPLATE CORNER GUARD  
INTERIOR RAMPS WITH ANTI-SLIP STRIPS
- REFRIGERATION:** AIR COOLED CONDENSING UNITS
- COOLER UNIT:** AIR COOLED CONDENSING UNIT - OUTDOOR  
HEATCRAFT MODEL MOZ-025-M6 2-1/2HP, 208v-3-60  
CLIMATE CONTROL MODEL LSC-208, (5) 1/15 HP each, 7.2 AMP 115v-1-60  
R-404A REFRIGERANT, SEALED HERMETIC  
PRE-WIRED, PRE-ASSEMBLED REMOTE  
FUUSED DISCONNECT
- FREEZER UNIT:** AIR COOLED CONDENSING UNIT - OUTDOOR  
HEATCRAFT MODEL MOZ-060-L6 6 HP, 208v-3-60  
CLIMATE CONTROL MODEL LSF-240, (5) 1/15 HP each, 7.2 AMP 115v-1-60  
R-404A REFRIGERANT, SCROLL COMPRESSOR  
PRE-WIRED, PRE-ASSEMBLED REMOTE  
FUUSED DISCONNECT
- CONTROL KIT:** EXPANSION VALVE  
DRYER  
TEMPERATURE CONTROL  
PUMP DOWN SOLENOID VALVE  
TIME CLOCK  
PRESSURE CONTROL  
SUCTION LINE VIBRATION ELIMINATOR  
WINTER CONTROL  
CRANKCASE HEATER  
CONDENSING UNIT COVER  
COIL MOUNTING KIT



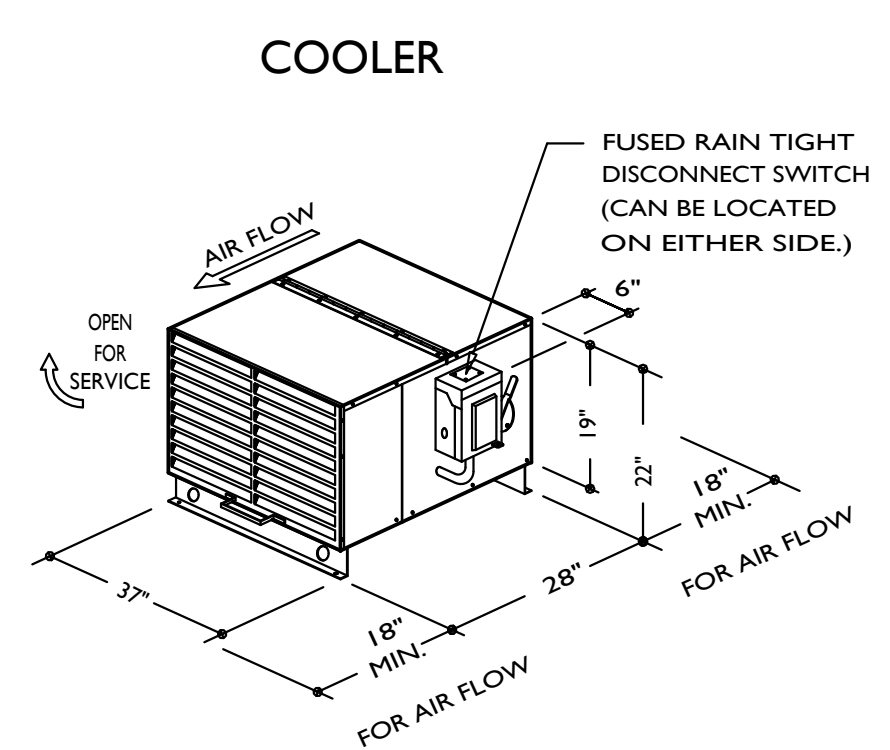
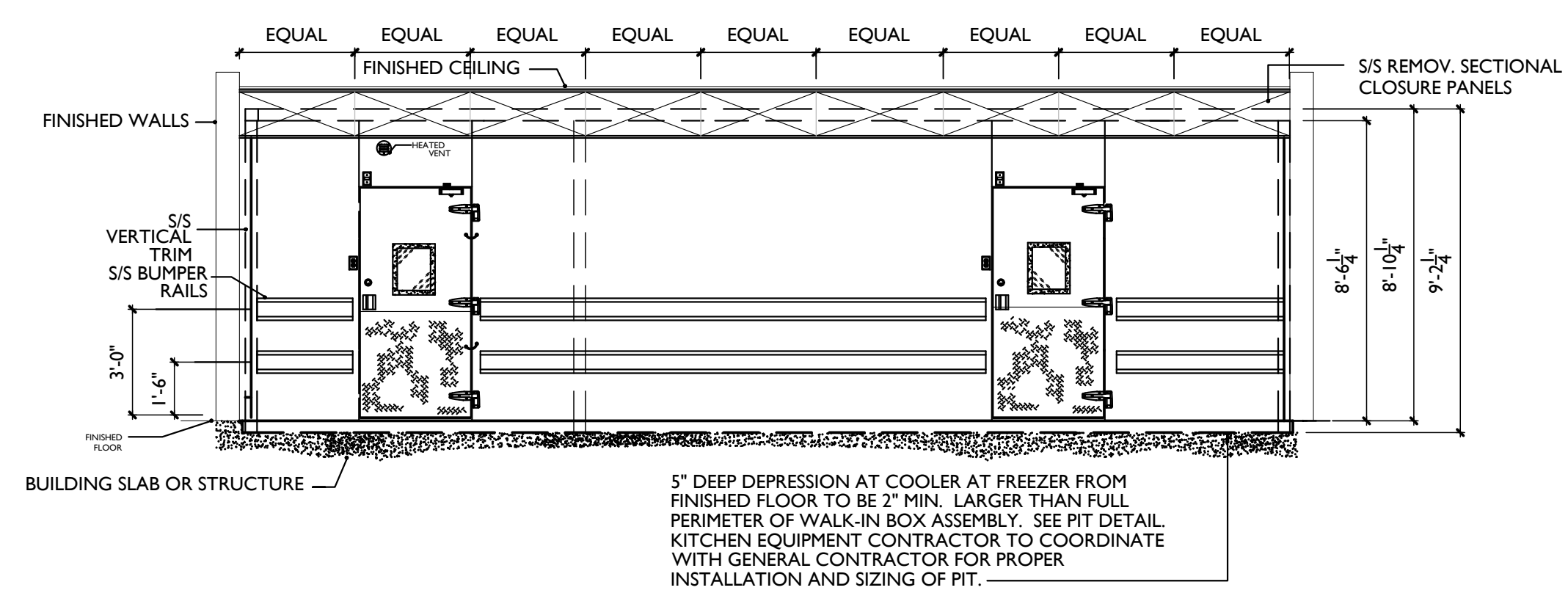
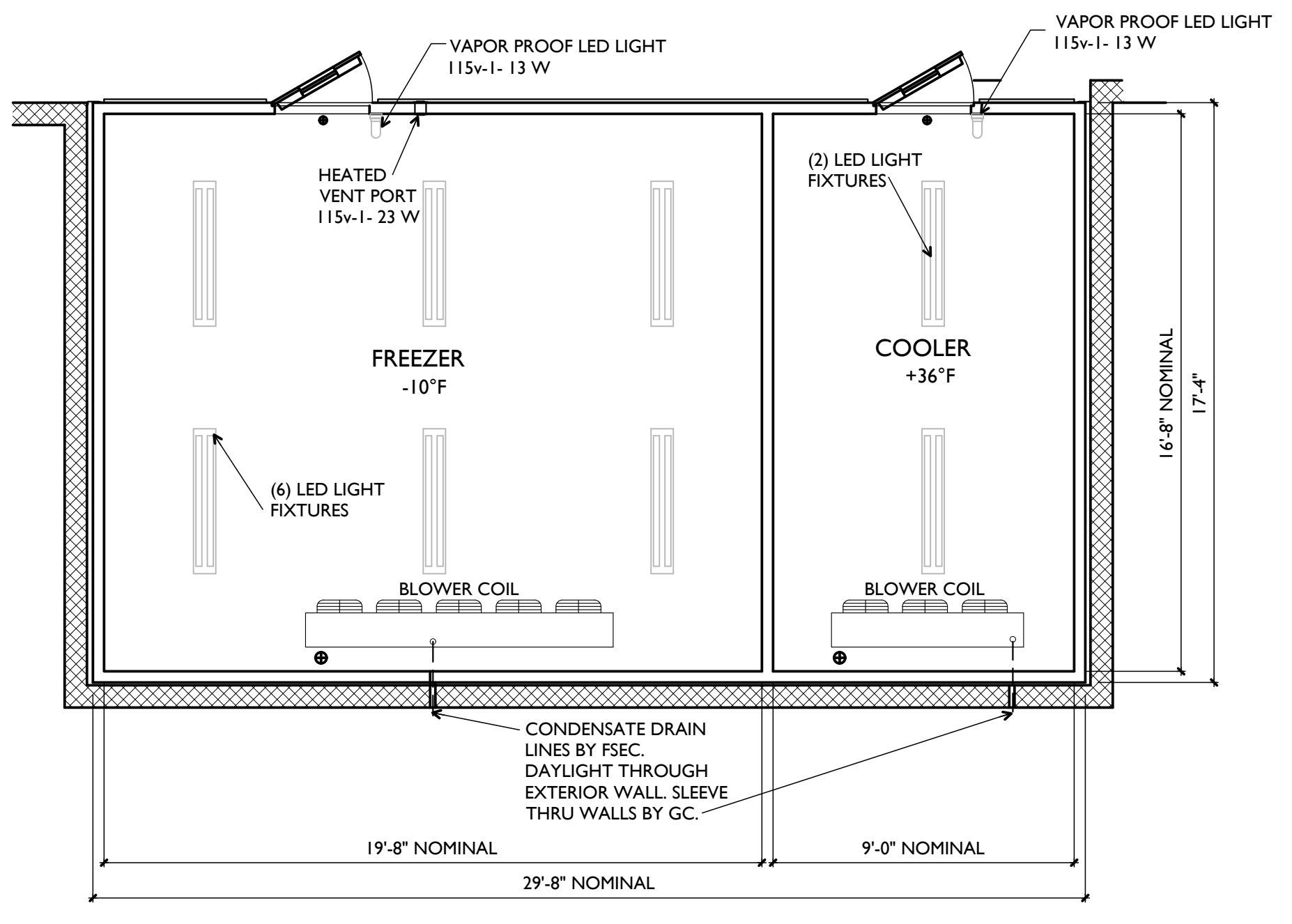
**CLOSURE DETAIL**  
NO SCALE



**BUMPER RAIL**  
NO SCALE

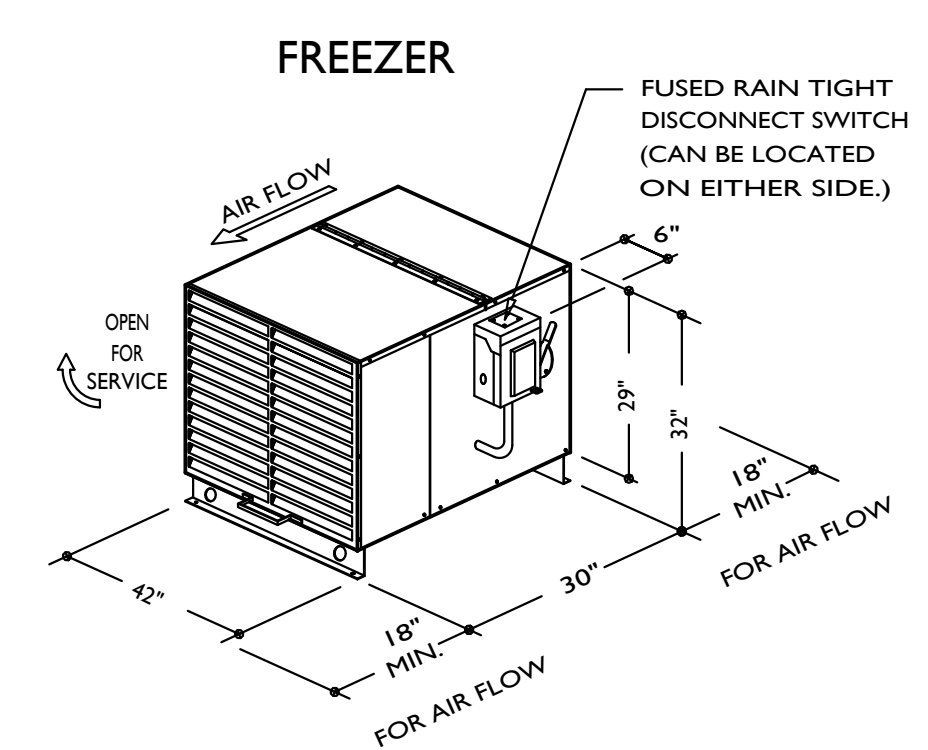


**PIT DETAIL**  
NO SCALE



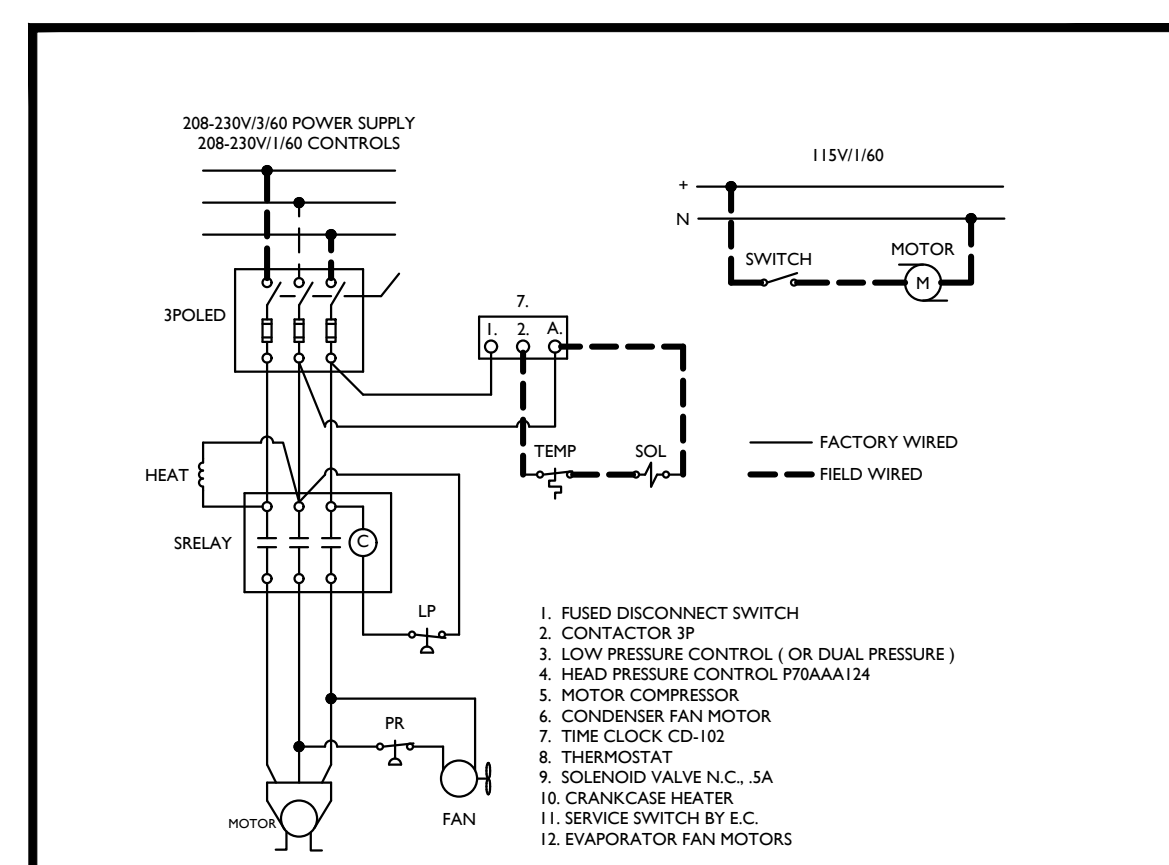
**COOLER**  
BASE: 12 GA. G90 GALVANIZED STEEL  
SIDES, TOP, & LOUVERS: EMBOSSED GALVALUME

**COMPRESSOR RACK**  
NO SCALE OUTDOOR AIR-COOLED

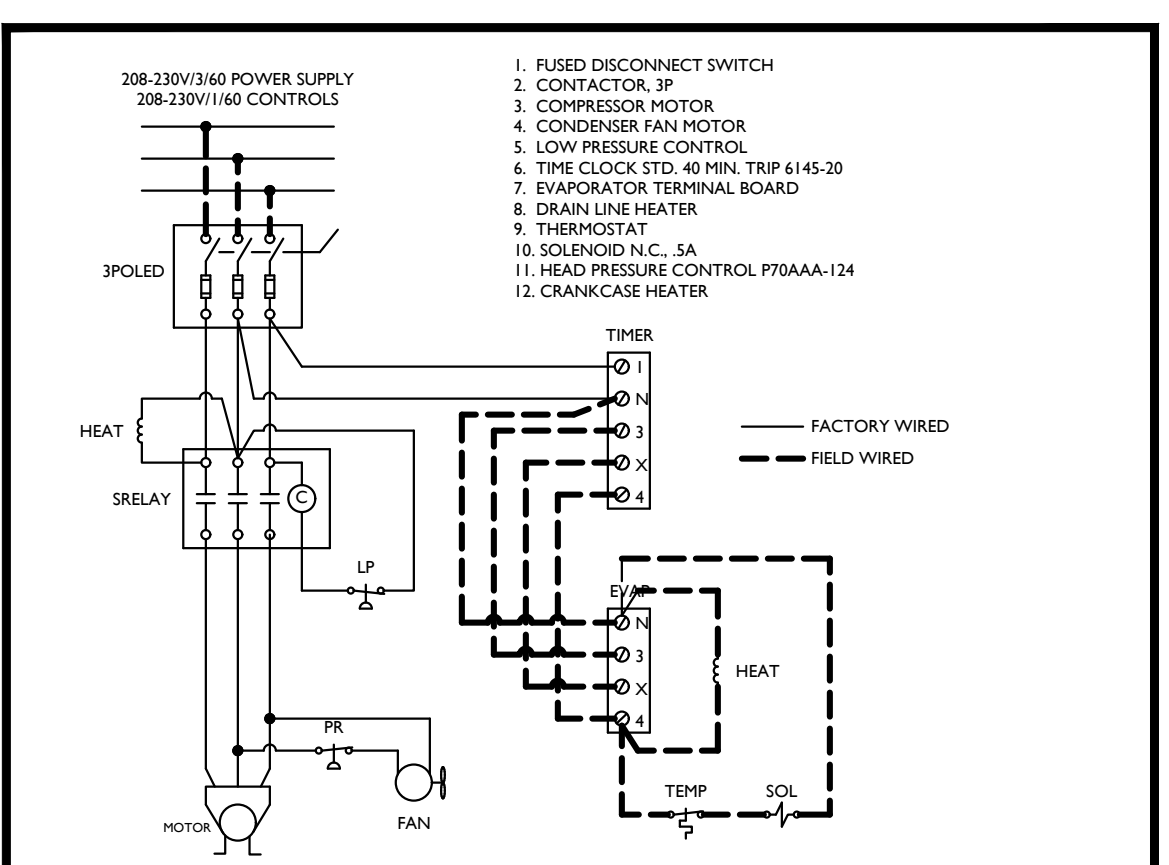


**FREEZER**  
BASE: 12 GA. G90 GALVANIZED STEEL  
SIDES, TOP, & LOUVERS: EMBOSSED GALVALUME

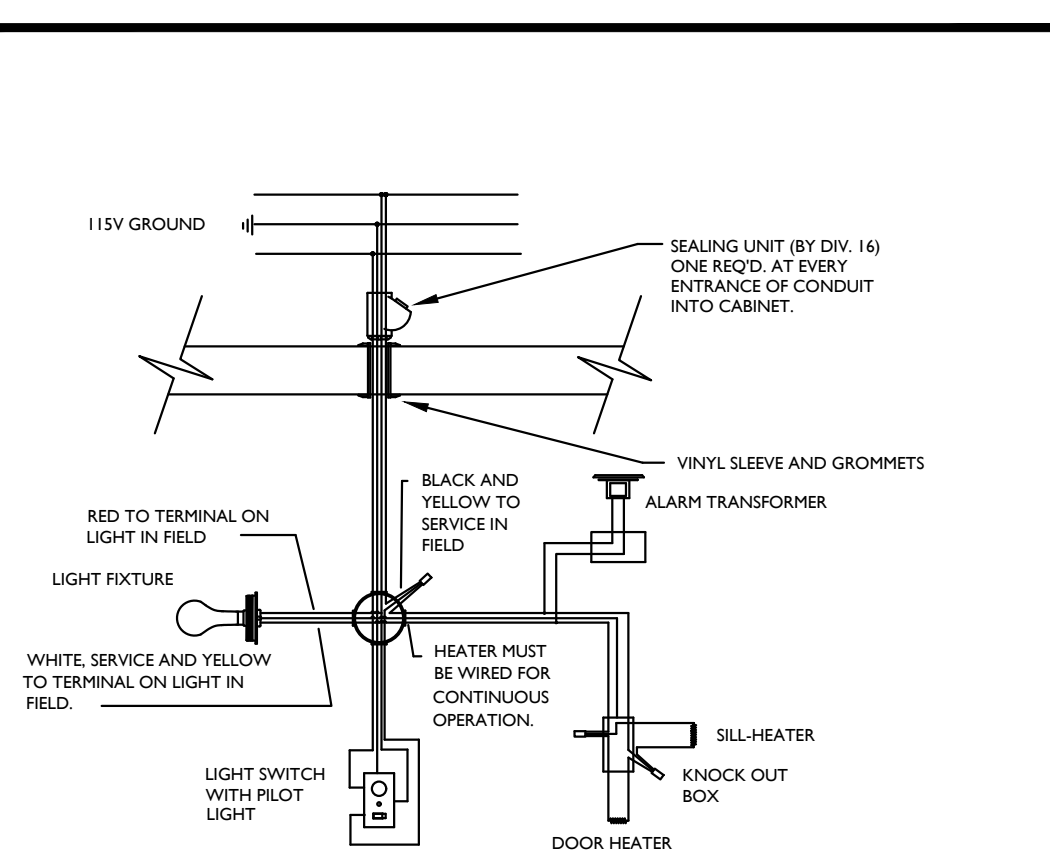
**COMPRESSOR RACK**  
NO SCALE OUTDOOR AIR-COOLED



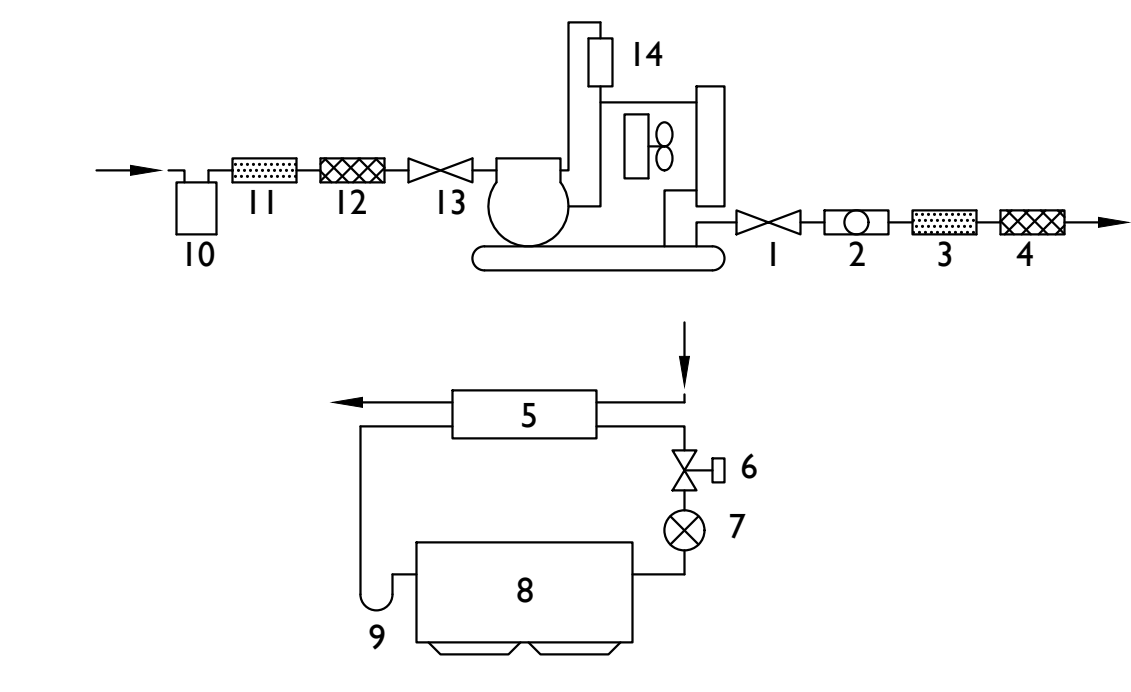
**COOLER OUTDOOR AIR COOLED**



**FREEZER OUTDOOR AIR COOLED**



**LIGHT AND HEATER WIRING DIAGRAM**



- LIQUID LINE SERVICE VALVE..... STANDARD
- LIQUID LINE SIGHT GLASS..... PROVIDED WHEN ORDERED.
- LIQUID LINE DRIER..... PROVIDED WHEN ORDERED.
- LIQUID LINE VIBRASORBER..... RECOMMENDED ON ALL HARD DRAWN INSTALLATIONS OR WHEN LINE SIZE EXCEEDS 3/8"
- HEAT EXCHANGER..... STANDARD ON ALL LOW TEMP APPLICATIONS AND ALL MEDIUM / HIGH TEMP 3HP OR MORE
- LIQUID LINE SOLENOID..... STANDARD ON ALL LOW TEMP. ALL OUTDOOR MEDIUM TEMP. OR WHEN SPECIFIED.
- EXPANSION VALVE..... STANDARD, ALL APPLICATIONS
- EVAPORATOR..... PER SYSTEM REQUIREMENTS.
- SUCTION LINE P TRAP..... RECOMMENDED ON ALL APPLICATIONS.
- SUCTION ACCUMULATOR..... STANDARD ON ALL 5HP AND LARGER.
- SUCTION FILTER..... PERMANENT OR REPLACEABLE CORE.
- SUCTION VIBRASORBER..... RECOMMENDED ONLINE SIZES OVER 5/8"
- SUCTION LINE SERVICE VALVE..... STANDARD
- OIL SEPARATOR..... RECOMMENDED WHERE OIL RETURN, DUE TO LINE RUNS, IS A PROBLEM.

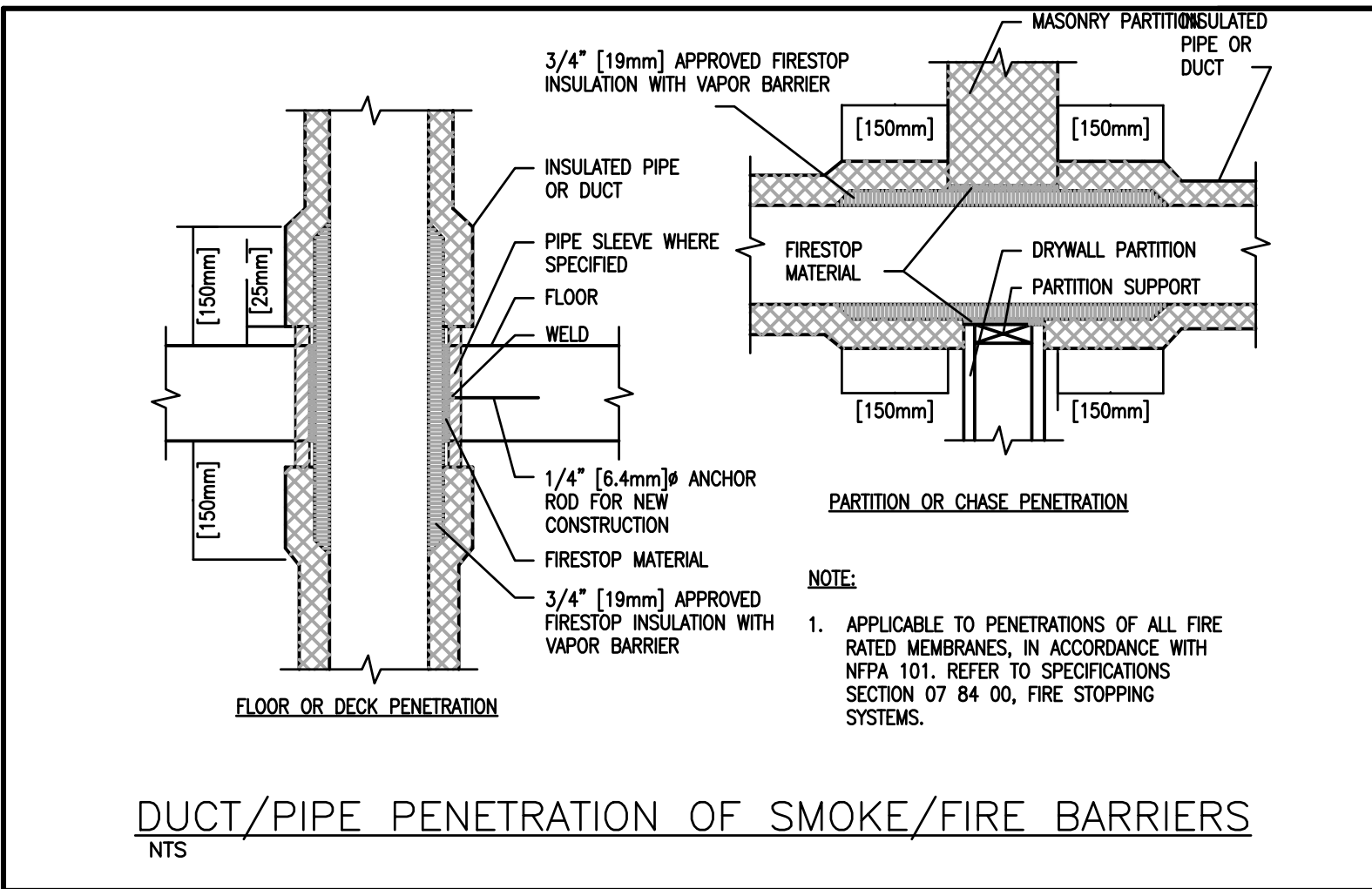
NOTE:  
1. NUMBERS 5 THRU 9 SHALL BE FIELD PIPED.  
2. VERIFY SYSTEM COMPONENT REQUIREMENTS WITH REFRIGERATION MANUFACTURER TO ENSURE A COMPLETE AND OPERATING SYSTEM IS PROVIDED.

**REFRIGERATION PIPING DIAGRAM**  
NO SCALE

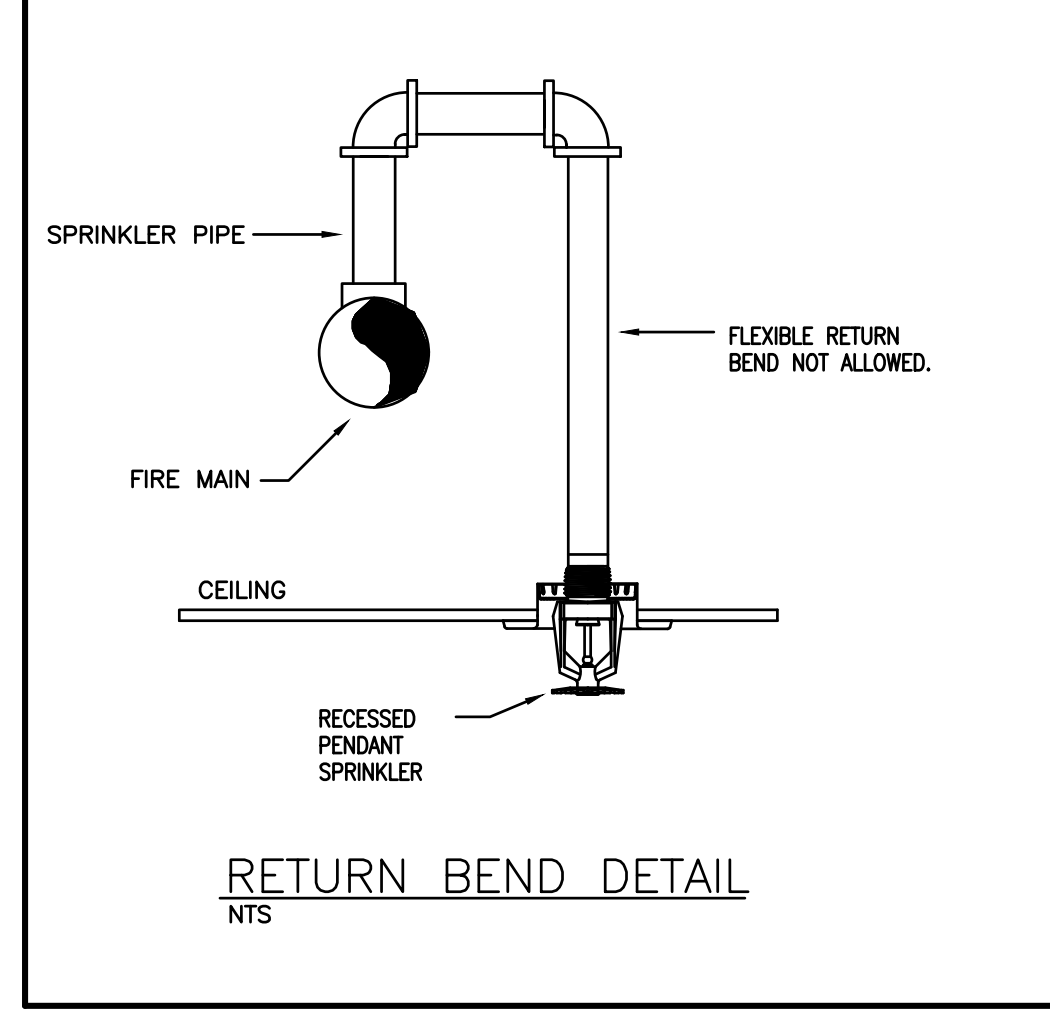
**NOTE:**  
LIGHT FIXTURE INSTALLED IN CONDUIT FOR LIGHT FIXTURES SHALL BE RUN ON EXTERIOR TOP OF COOLERS AND FREEZERS BY 1/2" DIA. CONDUIT RUN ON INTERIOR CEILING SHALL BE REJECTED. SEE DETAIL ON SHEET K-301 FOR LIGHT FIXTURE INSTALLATION. LIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC) 300.7

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**DUCT/PIPE PENETRATION OF SMOKE/FIRE BARRIERS**  
 NTS



**RETURN BEND DETAIL**  
 NTS

- FIRE PROTECTION DESIGN NOTES:**
- THE EXISTING BUILDING IS 100% PROTECTED WITH A FULLY AUTOMATIC FIRE PROTECTION SYSTEM DESIGNED IN ACCORDANCE WITH NFPA (13 & 14), STATE AND LOCAL CODE.
  - REFER TO NOTES ON PLANS FOR THE EXTENT OF THE RENOVATION AND EXTENSION OF THE EXISTING SPRINKLER SYSTEM DUE TO THE SCOPE OF THE NEW WORK. THE SYSTEMS SHALL BE DESIGNED IN ACCORDANCE WITH NFPA (13 & 14), STATE AND LOCAL CODE.
  - THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL OBTAIN AND UTILIZE ALL APPLICABLE ARCHITECTURAL FLOOR PLANS, SECTIONS, AND REFLECTED CEILING PLANS FOR LAYOUT OF SPRINKLERS. REFER TO A COMPLETE SET OF DOCUMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL PLANS AND SPECIFICATIONS FOR COORDINATION OF TRADES, ROOMS, STRUCTURE, AND EQUIPMENT).
  - ALL AREAS ARE TO BE PROVIDED WITH QUICK RESPONSE SPRINKLERS (EXCEPTIONS PER NFPA SHALL BE APPLIED, E. MECHANICAL SPACES, ETC.). REFER TO FLOOR PLANS FOR LOCATIONS AND SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS AND MODELS.
  - ALL SPRINKLERS LOCATIONS SHALL BE COORDINATED WITH ALL OTHER CEILING RELATED DEVICES. REFER TO ARCHITECTURAL DRAWINGS.
  - WHERE CEILING ARE INDICATED, ALL SPRINKLER PIPING MUST BE INSTALLED ABOVE CEILING. SPRINKLER PIPING MUST BE COORDINATED WITH OTHER TRADES. PIPING MUST OFFSET AS REQUIRED TO AVOID CONFLICTS WITH DUCTWORK, CONDUIT, ALL EQUIPMENT, ETC.
  - HVAC DUCTWORK MAINS SHALL BE INSTALLED PRIOR TO FIRE PROTECTION PIPING. PROVIDE DRAIN VALVES IN THE FIRE PROTECTION SYSTEM WHERE NECESSARY TO COMPLETELY DRAIN THE SYSTEM.
  - PROVIDE ALL REQUIRED DRAIN PIPING TO TEST FLOW SWITCHES. DISCHARGE DRAIN PIPING TO OUTDOORS.
  - SIZE ALL FIRE PROTECTION PIPING IN ACCORDANCE WITH NFPA 13. PIPE SIZING SHALL BE ACCOMPLISHED USING HYDRAULIC CALCULATIONS.
  - CONTRACTOR TO PROVIDE UPDATED FLOW TEST. SUBMIT HYDRAULIC CALCULATIONS AND SYSTEMS DESIGN FOR REVIEW TO THE M/E ENGINEER. REFER TO CHART ON THIS SHEET FOR PREVIOUS FLOW INFORMATION.
  - THE SPARE SPRINKLERS, WRENCH AND CABINET SHALL BE LOCATED IN THE BOILER ROOM.
  - ONLY CERTIFIED TECHNICIANS APPROVED BY THE LOCAL WATER COMPANY SHALL INSTALL OR TEST BACKFLOW PREVENTERS.
  - CERTIFIED CONTRACTOR SHALL TEST BACKFLOW PREVENTER AFTER INSTALLATION. PROVIDE TEST RESULTS (INCLUDE IN OPERATION AND MAINTENANCE MANUALS).
  - BUILDING SHALL BE CLASSIFIED AS LIGHT/ORDINARY HAZARD. LIGHT HAZARD AREAS (E. GENERAL POPULATION, UNITS, OFFICES RESTROOM, ETC.) SHALL BE PROVIDED WITH A SPRINKLER DENSITY OF 0.100GPM/150SQFT. ORDINARY HAZARD GROUP 1 AREAS (E. STORAGE ROOMS, MECHANICAL ROOMS, ETC.) SHALL BE PROVIDED WITH A SPRINKLER DENSITY OF 0.150GPM/150SQFT. AREA REDUCTION METHOD SHALL NOT BE APPLIED. COORDINATE ALL REQUIRED SPRINKLER DENSITIES WITH THE OWNERS INSURANCE UNDERWRITER AND USE THE GREATER. PROVIDE PLACARD AT INCOMING FIRE SERVICE.
  - COORDINATE ALL SPRINKLER PIPE ROUTINGS WITH ALL ELECTRICAL EQUIPMENT.
  - THE CONTRACTOR SHALL INSURE THAT ALL PENETRATIONS OF THE AIR BARRIER BE SEALED TO MAINTAIN AN AIR TIGHT BUILDING.
  - ALL AREAS HAVING CEILING SHALL BE PROVIDED WITH RECESSED PENDANT STYLE SPRINKLERS UNLESS NOTED OTHERWISE.
  - ALL AREAS HAVING NO CEILING SHALL BE PROVIDED WITH UPRIGHT TYPE SPRINKLERS.
  - ALL AREAS HAVING HARD CEILING SHALL BE PROVIDED WITH CONCEALED SPRINKLER HEADS WITH COVER PLATES TO MATCH CEILING COLOR.
  - COLOR FINISHES OF ALL SPRINKLERS/ESCUTCHEONS/COVER PLATES SHALL BE COORDINATED WITH ARCHITECT.
  - ARCHITECTURAL REFLECTED CEILING PLANS SHALL BE UTILIZED AS AN AID IN LOCATING SPRINKLERS BUT DOES NOT RELIEVE THE SPRINKLER CONTRACTOR FROM PROVIDING A FULLY PROTECTED BUILDING SPRINKLER LAYOUT. CONTRACTOR SHALL ALSO COORDINATE ALL SPRINKLER LOCATION WITH ALL TRADE DRAWINGS (LIGHTING, FIRE ALARM, SECURITY, HVAC, ETC.)
  - COORDINATE LOCATIONS OF THE FOLLOWING FIRE PROTECTION APPARATUS' WITH THE LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION: FIRE DEPARTMENT CONNECTION (F.D.C.), FIRE POST INDICATOR VALVE (P.I.V.), FIRE ALARM BELLS, ETC. COORDINATION SHALL ALSO INCLUDE VERIFICATION OF ALL HOSE CONNECTION SIZES, THREAD TYPES.
  - ALL SPRINKLER DRAIN PIPING SHALL BE DISCHARGED TO THE BUILDING EXTERIOR AT AN APPROVED LOCATION OR TO A BUILDING DRAIN CAPABLE OF HANDLING FULL FLOW.
  - ALL SPRINKLERS LOCATED IN IDF/ADF, ELECTRICAL ROOMS, AND KITCHEN SHALL BE HIGH TEMPERATURE SPRINKLERS WITH PROTECTIVE WIRE CAGES.
  - PROVIDE SPRINKLER COVERAGE BENEATH THE LOWEST LEVEL OF STAIR TREADS WHERE THE AREAS COULD BE UTILIZED FOR POTENTIAL STORAGE. SPRINKLER PIPING SHALL BE CONCEALED INSIDE WALL. UTILIZE SIDEWALL STYLE SPRINKLERS.
  - PROVIDE HEAVY DUTY SPRINKLER GUARDS FOR ALL SPRINKLERS LOCATED IN STORAGE / MECHANICAL ROOMS. WHERE SPRINKLERS ARE LOCATED BELOW 8', PROVIDE CONCEAL TYPE SPRINKLERS.
  - AREAS WHERE CEILING ARE 8'-0" OR LOWER. CONTRACTOR SHALL UTILIZE CONCEALED TYPE SPRINKLERS.
  - PAINT ALL EXPOSED PIPE TO MATCH ADJACENT CONDITIONS. THIS DOES NOT APPLY TO MECHANICAL ROOMS.
  - A 2-HOUR ELEVATOR SHAFT IS EXEMPT FROM FIRE PROTECTION SYSTEM PER STATE OF INDIANA AMENDMENT TO THE BUILDING CODE SECTION 903.3.1.1.1. A FIRE SUPPRESSION SYSTEM IS NOT REQUIRED.

- GENERAL NOTES (APPLICABLE TO ALL DRAWINGS):**
- EACH CONTRACTOR, SUPPLIER AND OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS AND AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
  - PLANS ARE DIAGRAMMATIC. NOT ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
  - INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND/OR THE COLLECTION OF CONDENSATION THEREON.
  - OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
  - ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT DONE SO SHALL BE REMOVED AND REINSTALLED SATISFACTORILY.
  - WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
  - DO NOT SCALE FROM DRAWINGS. PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
  - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL MATCH EXISTING ADJACENT SURFACES AND BE IN ACCORD WITH OWNER STANDARDS FOR SUCH WORK.
  - THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER LOCATIONS, DEPTHS, ELEVATIONS AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC. AT THE TIME OF BID.
  - ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
  - COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, ETC. WITH ALL MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
  - THE PURPOSE AND INTENT OF ALL THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
  - ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
  - INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
  - ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE. IN WRITING, DO NOT SUPPORT EQUIPMENT FROM WALLS OR PARTITIONS.
  - DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
  - THE GENERAL CONTRACTOR FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. EACH TRADE SHALL COORDINATE THEIR WORK WITH OTHER TRADES AND THE GENERAL CONTRACTOR.
  - VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT.
  - ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, DUCTWORK, ETC. DO NOT BLOCK ACCESS TO VALVES, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
  - ANY VALVES USED FOR TESTING PURPOSES THAT ARE NOT SHOWN ON THESE DRAWINGS MUST MINIMALLY MEET THE QUALITY AND PERFORMANCE OF THE VALVES LISTED IN THE SPECIFICATIONS AND BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
  - IN AREAS WITH WORK ABOVE AN EXISTING CEILING (LAY-IN, DRYWALL, SPLINE, ETC.), THE CONTRACTOR SHALL CUT AND PATCH THE CEILING AND GRID AS REQUIRED TO PERFORM THE WORK. ANY EXISTING LAY-IN CEILING OR GRID DAMAGED OR BROKEN SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. REFER TO ARCHITECTURAL DRAWINGS FOR AREAS WHERE NEW CEILING ARE TO BE INSTALLED.
  - INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE. CAP ABANDONED PIPING AND DUCTWORK.
  - ANY WORK REQUIRED OUTSIDE OF THE PROJECTS LIMITS SHALL BE PERFORMED AT NIGHTS OR ON WEEKENDS.

**FIRE PROTECTION LEGEND**

"SEMI-RECESSED" SPRINKLER HEAD WITH REMOVABLE ESCUTCHEON PLATE	
UPRIGHT TYPE SPRINKLER HEAD	
SIDEWALL TYPE SPRINKLER HEAD	
FIRE PROTECTION PIPING TO BE REMOVED	
NEW FIRE PROTECTION PIPING	
EXISTING FIRE PROTECTION PIPING	
FIRE VALVE CABINET	
POINT OF DEMOLITION TERMINATION	
DOUBLE CHECK VALVE	
NEW O.S.&Y VALVE	
TAMPER SWITCH	
FLOW SWITCH	
PIPING RISE UP	
PIPING DOWN	
CONNECT TO EXISTING	
FIRE DEPARTMENT HOSE VALVE CONNECTION	

OWNER  
 NORTH HARRISON COMMUNITY SCHOOLS

PROJECT TITLE  
 NORTH HARRISON ELEMENTARY SCHOOL

2024 ADDITIONS AND RENOVATIONS

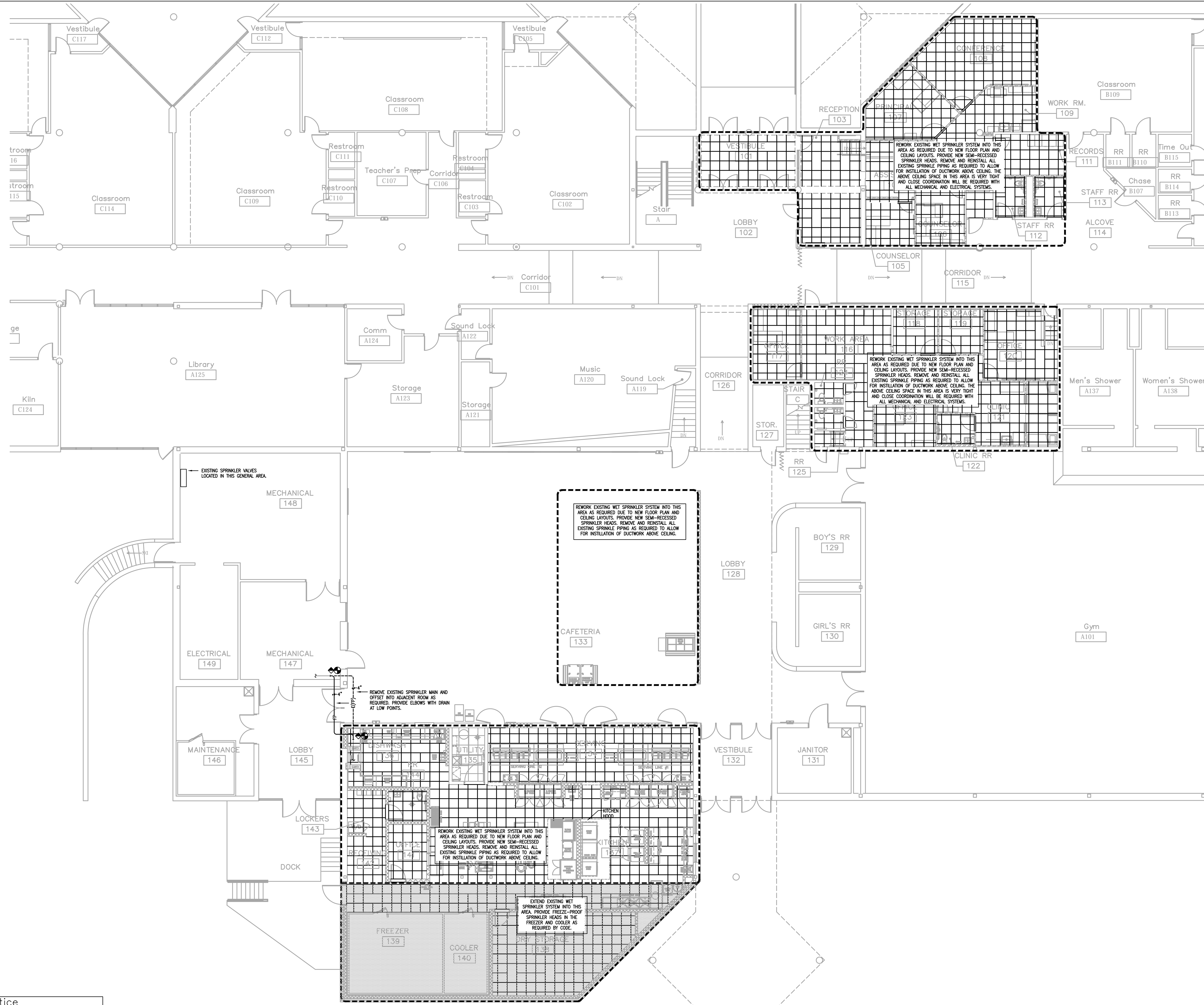
1115 W WHISKEY RUN RD. NW  
 RAMSEY, IN 47166

ISSUED FOR PUBLIC BIDDING DATE 04-03-2024

SHEET NUMBER  
 FP100

DATE  
 APRIL 3, 2024

**CMTA**  
 A L.L. BECKETT COMPANY  
 10411 Meeting Street,  
 Prospect, Kentucky 40059  
 502.326.3085 | 502.326.2691  
 www.cmta.com



- GENERAL NOTES:**
- INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS WILL BE ABANDONED IN PLACE.
  - PATCH HOLES IN WALLS, FLOORS, CEILINGS, ROOFS, ETC. TO MATCH ADJACENT SURFACES AS A RESULT OF MECHANICAL SYSTEMS PATCH SHALL BE PERFORMED BY QUALIFIED TRADESMAN. PAINT ALL WALLS FROM CORNER TO CORNER TO MATCH ADJACENT CONDITIONS.
  - WHERE WORK IS REQUIRED ABOVE EXISTING CEILINGS AND/OR OUTSIDE OF WORKSCOPE AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT, PATCH, REMOVAL, AND REINSTALLATION (OR REPLACEMENT IF DAMAGED) OF ALL CEILING TILES, HARD CEILINGS, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THIS CONTRACTOR'S EXPENSE.
  - MECHANICAL CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER MECHANICAL EQUIPMENT DEMOLITION.
  - MECHANICAL CONTRACTOR SHALL DISPOSE OF DEMOLISHED MECHANICAL EQUIPMENT AND COORDINATE WITH THE CONSTRUCTION MANAGER.
  - PRIOR TO START OF DEMOLITION WORK, MECHANICAL CONTRACTOR SHALL VERIFY WITH ELECTRICAL CONTRACTOR THAT POWER FEEDS AND CONTROL WIRING HAVE BEEN DISCONNECTED AND LOCKED OUT FROM MECHANICAL EQUIPMENT WHICH IS TO BE REMOVED.
  - MECHANICAL CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK. WITHIN ALL AREAS OF WORK, ALL INSULATION MISSING OR DAMAGED SHALL BE REPAIRED OR REPLACED FOR ALL EXISTING SYSTEMS.
  - WHERE DUCT WORK OR PIPING IS REMOVED TO A MAIN, CAP AT MAIN AIR/FIELD. FIELD VERIFY EXACT CONDITIONS. PROVIDE ALL MATERIALS AS REQUIRED. PROVIDE NEW ISOLATIONS VALVES AT MAINS AS REQUIRED, OR OVERWHERE NEW WORK TIES INTO EXISTING, AS A STANDARD FOR THE PROJECT. FIELD VERIFY EXACT EXTENT OF WORK PRIOR TO BID.
  - REMOVE ALL EXISTING ABANDONED PIPING ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGERS, INSULATION, VALVES, ETC. CAP ALL AT MAINS AS REQUIRED.
  - REMOVE ALL EXISTING ABANDONED DUCTWORK ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGERS, INSULATION, VALVES, ETC. CAP ALL AT MAINS AS REQUIRED.

REWORK EXISTING WET SPRINKLER SYSTEM INTO THIS AREA AS REQUIRED DUE TO NEW FLOOR PLAN AND CEILING LAYOUTS. PROVIDE NEW SEMI-RECESSED SPRINKLER HEADS. REMOVE AND REINSTALL ALL EXISTING SPRINKLE PIPING AS REQUIRED TO ALLOW FOR INSTALLATION OF DUCTWORK ABOVE CEILING.

REWORK EXISTING WET SPRINKLER SYSTEM INTO THIS AREA AS REQUIRED DUE TO NEW FLOOR PLAN AND CEILING LAYOUTS. PROVIDE NEW SEMI-RECESSED SPRINKLER HEADS. REMOVE AND REINSTALL ALL EXISTING SPRINKLE PIPING AS REQUIRED TO ALLOW FOR INSTALLATION OF DUCTWORK ABOVE CEILING. THE ABOVE CEILING SPACE IN THIS AREA IS VERY TIGHT AND CLOSE COORDINATION WILL BE REQUIRED WITH ALL MECHANICAL AND ELECTRICAL SYSTEMS.

REWORK EXISTING WET SPRINKLER SYSTEM INTO THIS AREA AS REQUIRED DUE TO NEW FLOOR PLAN AND CEILING LAYOUTS. PROVIDE NEW SEMI-RECESSED SPRINKLER HEADS. REMOVE AND REINSTALL ALL EXISTING SPRINKLE PIPING AS REQUIRED TO ALLOW FOR INSTALLATION OF DUCTWORK ABOVE CEILING.

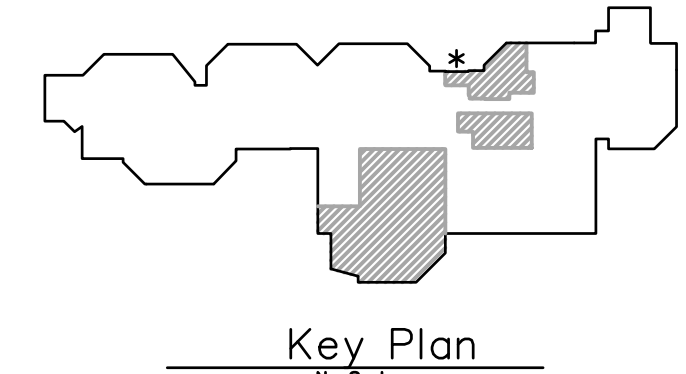
EXTEND EXISTING WET SPRINKLER SYSTEM INTO THIS AREA. PROVIDE FREEZE-PROOF SPRINKLER HEADS IN THE FREEZER AND COOLER AS REQUIRED BY CODE.

REMOVE EXISTING SPRINKLER MAIN AND OFFSET INTO ADJACENT ROOM AS REQUIRED. PROVIDE ELBOWS WITH DRAIN AT LOW POINTS.

EXISTING SPRINKLER VALVES LOCATED IN THIS GENERAL AREA.

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**Fire Protection Floor Plan**  
 Scale: 1/8" = 1'-0"



**TowerPinkster**  
 Architecture · Engineering · Interiors  
© 2023 ALL RIGHTS RESERVED

**ISSUED FOR** Public Bidding      **DATE** 04-03-2024

**PROJECT TITLE**  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITIONS AND  
 RENOVATIONS

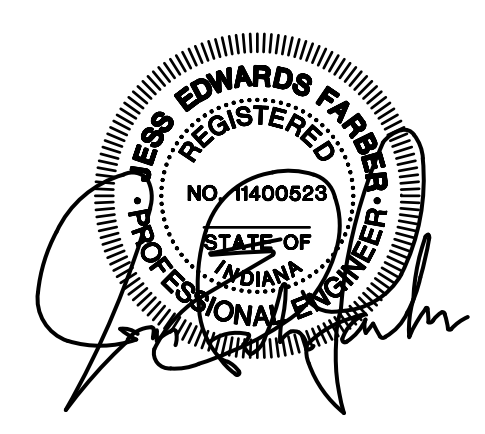
**OWNER**  
 NORTH HARRISON  
 COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, IN 47166

**SHEET TITLE**  
 Fire Protection Floor Plan

**SHEET NUMBER**  
**FP200**

**DATE**  
 APRIL 3, 2024





ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
**NORTH HARRISON  
ELEMENTARY SCHOOL**

OWNER  
**NORTH HARRISON  
COMMUNITY SCHOOLS**

PLUMBING LEGEND, GENERAL NOTES, SCHEDULES  
AND DETAILS

DATE  
**APRIL 3, 2024**

SHEET NUMBER  
**P100**

1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

2024 ADDITIONS AND  
RENOVATIONS

**GENERAL NOTES**

- EACH CONTRACTOR, SUPPLIER AND, OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS AND AVOID CONFLICT WITH ANY OTHER BUILDING SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
- ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
- ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT DONE SO SHALL BE REMOVED AND REINSTALLED SATISFACTORILY.
- WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
- DO NOT SCALE FROM DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAD OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL MATCH ADJACENT SURFACES. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCT WORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.
- THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER LOCATIONS, DEPTHS, ELEVATIONS AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC AT THE TIME OF BID.
- WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATIONS IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANY WAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER.
- ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
- DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.
- COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, ETC. WITH ALL MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
- THE PURPOSE AND INTENT OF ALL THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
- ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
- ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING. REFER TO SEISMIC PROTECTION SPECIFICATIONS.
- DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- THE GENERAL CONTRACTOR FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC.
- VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT.
- THE GENERAL CONTRACTOR SHALL ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, DUCTWORK, ETC. DO NOT BLOCK ACCESS TO VALVES, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
- PROVIDE 1/2" ARMAFLEX CLOSED CELL, SELF SEALING PIPE INSULATION WHERE WATER PIPING COMES INTO CONTACT WITH CONCRETE. THIS APPLIES TO DOMESTIC AND SPRAYGROUND PIPING.
- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF PLUMBING VENTS THRU ROOF.

**PLUMBING LEGEND**

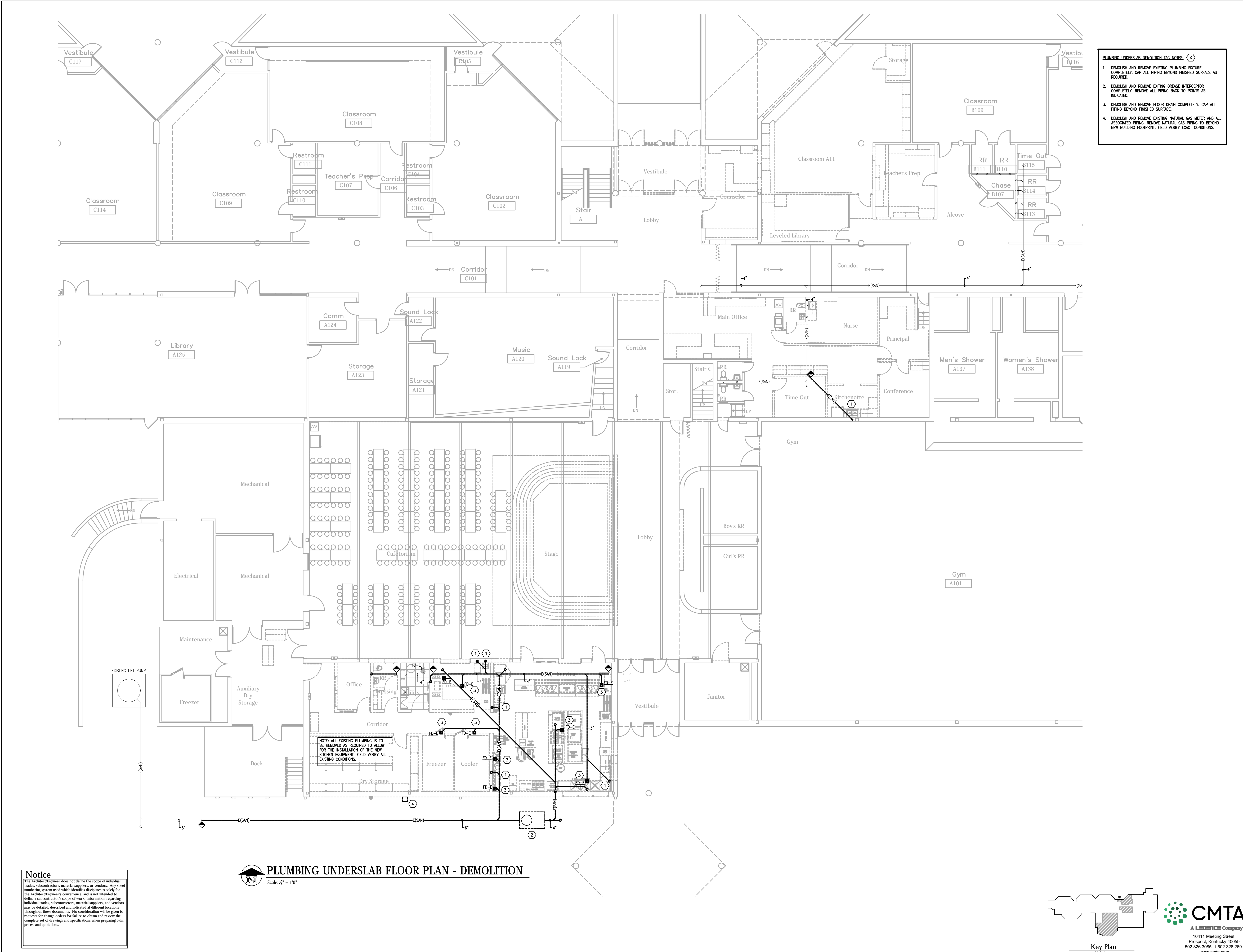
ABOVE FINISHED FLOOR	AFF
CAST IRON	CI
CLEANOUT	CO
COLD WATER	CW
ELECTRICAL CONTRACTOR	EC
EXTERIOR CLEANOUT	ECO
FLOOR DRAIN	FD
FREEZE PROOF WALL HYDRANT	FPWH
GENERAL CONTRACTOR	GC
HOSE BIBB	HB
HOT WATER	HW
MECHANICAL CONTRACTOR	MC
NOT TO SCALE	NTS
OPEN RECEPTACLE	OR
PLUMBING CONTRACTOR	PC
POLYVINYL CHLORIDE	PVC
TRAP PRIMER	TP
TYPICAL	TRP
VENT THROUGH ROOF	VTR
WATER HAMMER ARRESTOR	WHA
WATER HEATER	WH
SANITARY PIPING	— SAN —
SANITARY VENT PIPING	— V —
DOMESTIC COLD WATER PIPING	— — —
DOMESTIC HOT WATER PIPING (110° F)	— — —
UNION	— U —
DIAL THERMOMETER	— T —
PRESSURE GAUGE	— G —
CHECK VALVE	— C —
DOUBLE CHECK VALVE ASSEMBLY	— DC —
BALL VALVE	— B —
BALL VALVE IN RISER	— BR —
PIPING ELBOW (TURNED UP/DOWN)	— E —
PIPING TEE (TURNED UP/DOWN)	— T —
PRESSURE REDUCING VALVE	— R —

**PLUMBING FIXTURE SCHEDULE**

DESIGNATOR	FIXTURE	CW	HW	SAN	VENT
P-1	WATER CLOSET - FLUSH VALVE, WALL-MOUNTED - ADA HEIGHT	1/2"	---	4"	2"
P-1A	WATER CLOSET - FLUSH VALVE, WALL-MOUNTED - ADA HEIGHT	1/2"	---	4"	2"
P-1B	WATER CLOSET - FLUSH VALVE, WALL-MOUNTED - ADA HEIGHT	3/4"	---	4"	2"
P-2	LAVATORY - WALL-HUNG, BACKSPASH - ADA COMPLIANT	1/2"	1/2"	2"	1 1/2"
P-3	STAINLESS STEEL 17" X 20" X 15" SINGLE BOWL DROP-IN ADA SINK	1/2"	1/2"	2"	1 1/2"
P-4	WASHING MACHINE CONNECTION BOX	3/4"	3/4"	2"	---
P-5	ICE MAKER CONNECTION BOX	1/2"	---	---	---
FD-1	FLOOR DRAIN	---	---	3"	2"
FD-2	FLOOR DRAIN	---	---	3"	2"

- NOTES:
- PIPE SIZES ARE AS INDICATED UNLESS OTHERWISE NOTED ON FLOOR PLANS AND RISER DIAGRAMS. MINIMUM 2" SANITARY PIPING UNDERGROUND.
  - PROVIDE ALL REQUIRED PIPING TO FIXTURES INDICATED ON THE FLOOR PLANS, INDICATED WITH A "T" DESIGNATION. PROVIDE PIPING OF SIZE INDICATED IN THIS SCHEDULE.
  - PIPE ALL EQUIPMENT (SUPPLIED BY OTHERS) AS REQUIRED TO OBTAIN A FULL AND OPERATIONAL SYSTEM. PROVIDE BACKFLOW PROTECTION AS/IF REQUIRED BY THE DETAILS AND BY THE KENTUCKY PLUMBING CODE. ALL EQUIPMENT SHALL BE CONNECTED PER THE MANUFACTURER'S REQUIREMENTS. THE PLUMBING CONTRACTOR SHALL ALSO INSTALL ANY DRAIN PIPING CONNECTIONS AND SPILL INDIRECTLY TO EITHER AN OPEN RECEPTACLE OR FLOOR DRAIN. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT OF ALL EQUIPMENT.

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

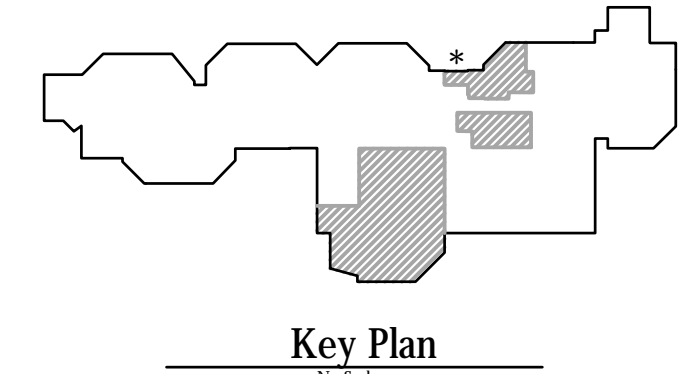


- PLUMBING UNDERSLAB DEMOLITION TAG NOTES:**
1. DEMOLISH AND REMOVE EXISTING PLUMBING FIXTURE COMPLETELY. CAP ALL PIPING BEYOND FINISHED SURFACE AS REQUIRED.
  2. DEMOLISH AND REMOVE EXISTING GREASE INTERCEPTOR COMPLETELY. REMOVE ALL PIPING BACK TO POINTS AS INDICATED.
  3. DEMOLISH AND REMOVE FLOOR DRAIN COMPLETELY. CAP ALL PIPING BEYOND FINISHED SURFACE.
  4. DEMOLISH AND REMOVE EXISTING NATURAL GAS METER AND ALL ASSOCIATED PIPING. REMOVE NATURAL GAS PIPING TO BEYOND NEW BUILDING FOOTPRINT. FIELD VERIFY EXACT CONDITIONS.

NOTE: ALL EXISTING PLUMBING IS TO BE REMOVED AS REQUIRED TO ALLOW FOR THE INSTALLATION OF THE NEW KITCHEN EQUIPMENT. FIELD VERIFY ALL EXISTING CONDITIONS.

**PLUMBING UNDERSLAB FLOOR PLAN - DEMOLITION**  
 Scale: 1/8" = 1'-0"

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any shared numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**CMTA**  
 A L... Company  
 10411 Meeting Street,  
 Prospect, Kentucky 40059  
 502.326.3005 | 502.326.2691  
 www.cmta.com

**TowerPinkster**  
 Architecture · Engineering · Interiors  
 © 2024. ALL RIGHTS RESERVED.

ISSUED FOR: Public Bidding DATE: 04-03-2024

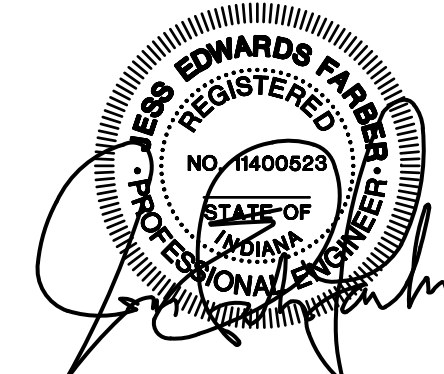
PROJECT TITLE: NORTH HARRISON ELEMENTARY SCHOOL  
 2024 ADDITIONS AND RENOVATIONS

OWNER: NORTH HARRISON COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, IN 47166

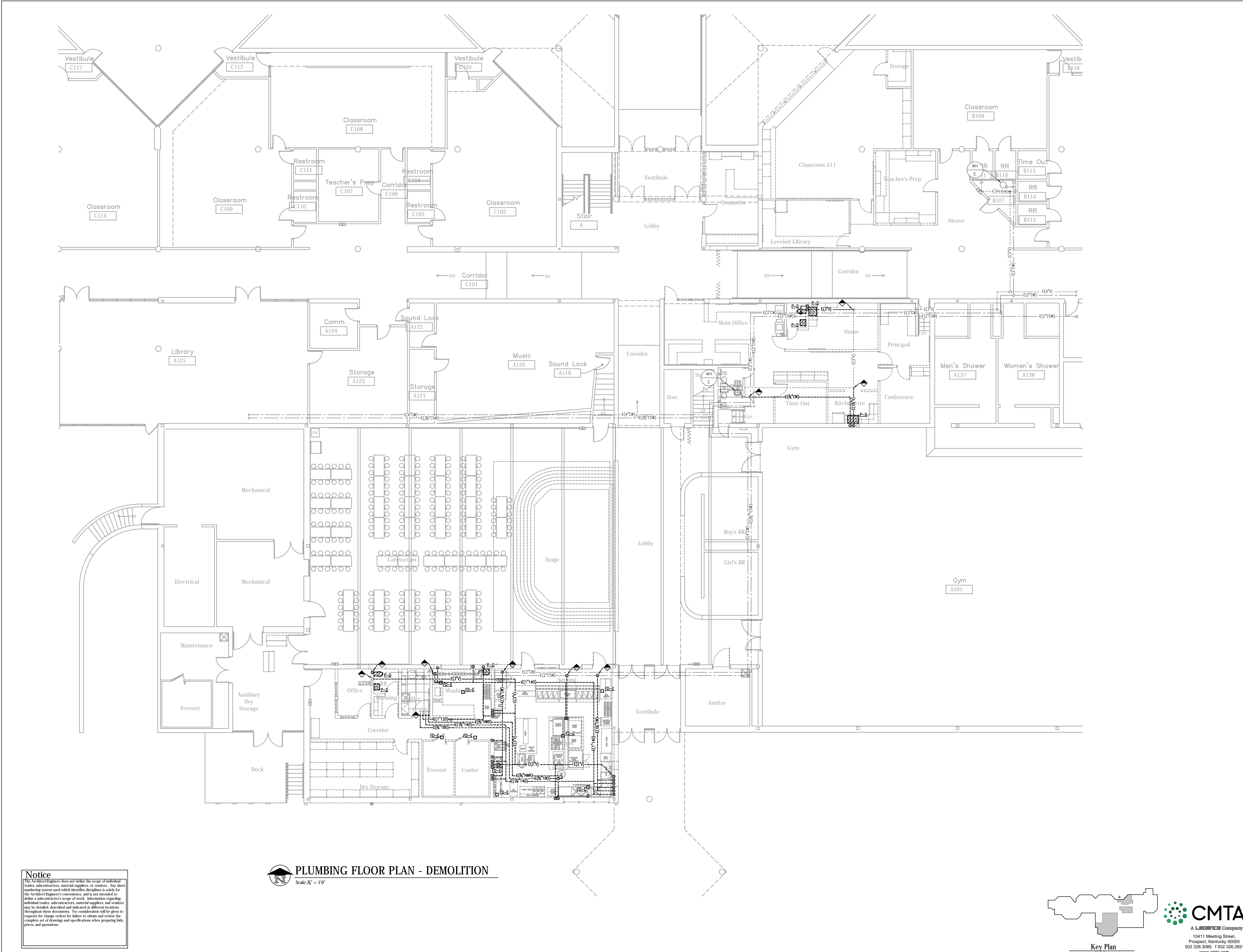
PLUMBING FLOOR PLAN - UNDERSLAB DEMOLITION

DATE: APRIL 3, 2024

SHEET NUMBER: P200

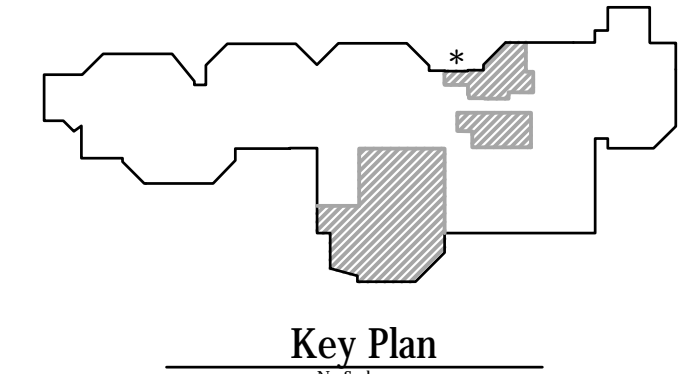






**PLUMBING FLOOR PLAN - DEMOLITION**  
 Scale: 1/8" = 1'-0"

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**CMTA**  
 A L... Company  
 10411 Meeting Street,  
 Prospect, Kentucky 40059  
 502.326.3005 | 502.326.2691  
 www.cmta.com

SHEET TITLE  
 PLUMBING FLOOR PLAN - DEMOLITION

SHEET NUMBER  
**P201**

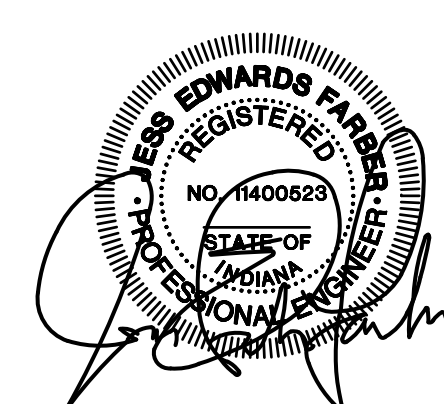
DATE  
 APRIL 3, 2024

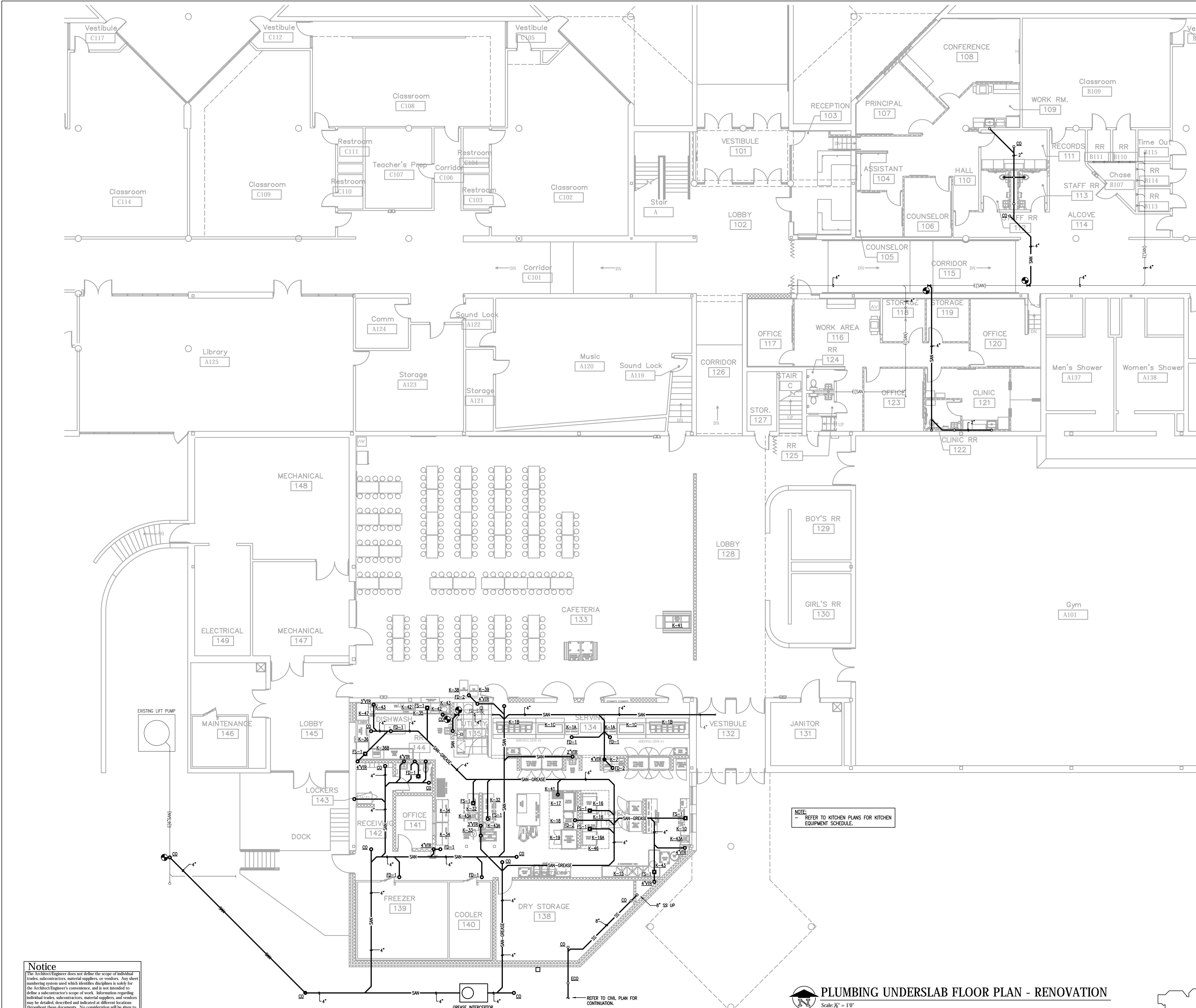
OWNER  
 NORTH HARRISON  
 COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, IN 47166

PROJECT TITLE  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITIONS AND  
 RENOVATIONS

ISSUED FOR  
 Public Bidding

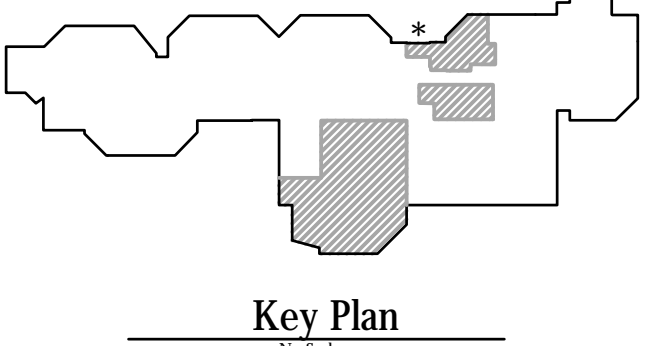
DATE  
 04-03-2024





**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**PLUMBING UNDERSLAB FLOOR PLAN - RENOVATION**  
 Scale: 1/8" = 1'-0"



**TowerPinkster**  
 Architecture · Engineering · Interiors  
 © 2024. ALL RIGHTS RESERVED.

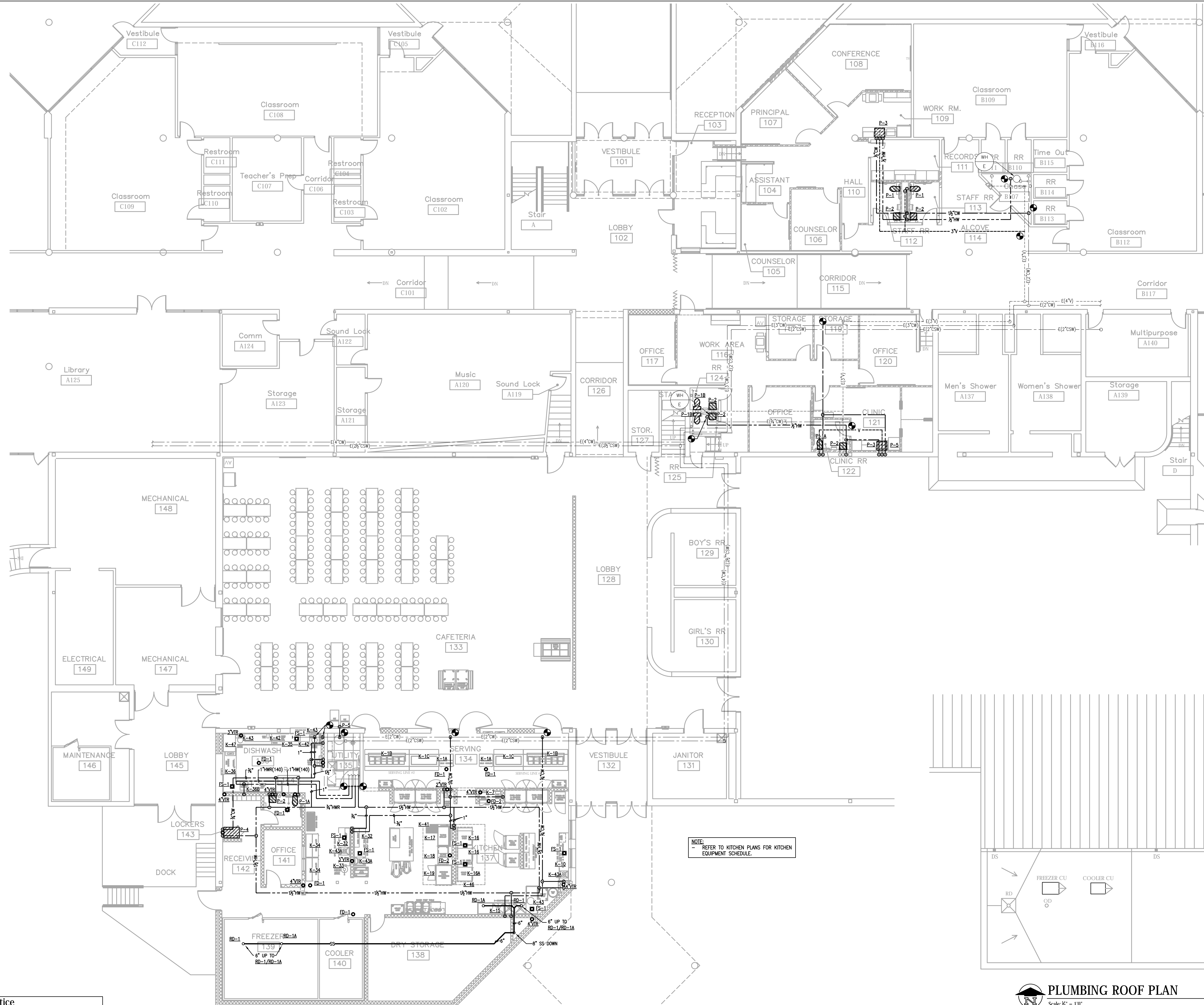
**Professional Seal:**  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF KENTUCKY  
 NO. 1400823  
 ISSUED FOR: Public Bidding  
 DATE: 04-03-2024

**PROJECT TITLE:**  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITIONS AND  
 RENOVATIONS

**OWNER:**  
 NORTH HARRISON  
 COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, IN 47166

**SHEET TITLE:**  
 PLUMBING FLOOR PLAN - UNDERSLAB  
 RENOVATION

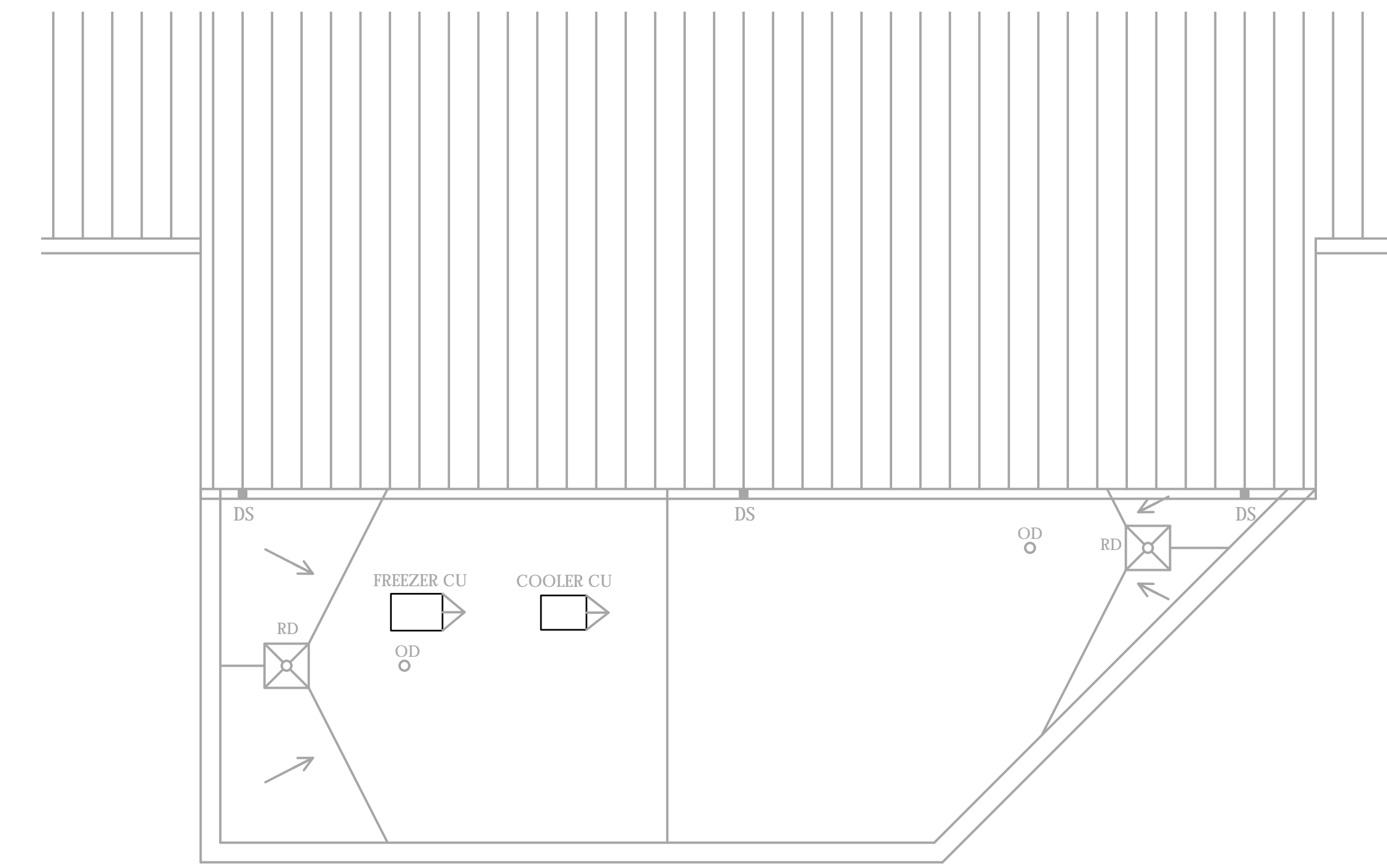
**SHEET NUMBER:**  
**P300**  
 DATE: APRIL 3, 2024



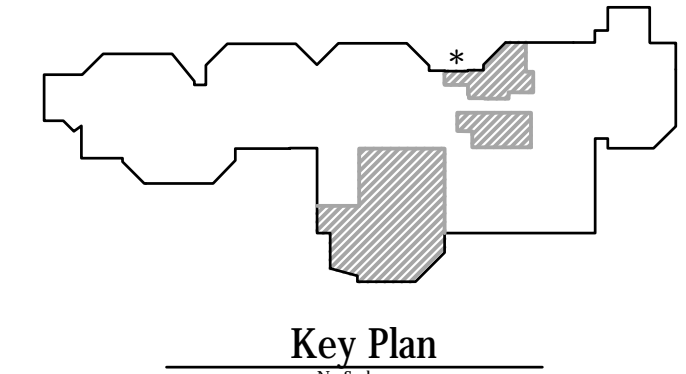
**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any drawing numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**PLUMBING FLOOR PLAN - RENOVATION**  
 Scale: 1/8" = 1'-0"

NOTE: REFER TO KITCHEN PLANS FOR KITCHEN EQUIPMENT SCHEDULE.



**PLUMBING ROOF PLAN**  
 Scale: 1/8" = 1'-0"



Key Plan



SHEET TITLE  
 PLUMBING FLOOR PLAN - RENOVATION

SHEET NUMBER  
**P301**

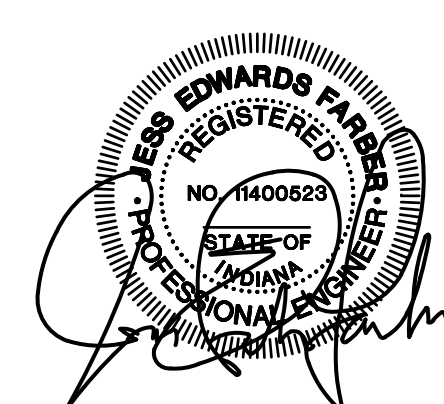
DATE  
 APRIL 3, 2024

OWNER  
 NORTH HARRISON  
 COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, IN 47166

PROJECT TITLE  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITIONS AND  
 RENOVATIONS

ISSUED FOR  
 Public Bidding

DATE  
 04-03-2024



MECHANICAL LEGEND

AFC	ABOVE FINISHED CEILING		CONCENTRIC REDUCER		DUCTWORK DEMOLITION
AFF	ABOVE FINISHED FLOOR		BUTTERFLY VALVE		EXISTING DUCTWORK TO REMAIN
TYP	TYPICAL		CHECK VALVE		SUPPLY AIR DUCT - INSIDE DIMENSION - 20"HORZ.X12"VERT. (TURNED UP/DOWN)
NTS	NOT TO SCALE		GLOBE VALVE		RETURN AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)
NO	NORMALLY OPEN		GATE VALVE (NORMALLY OPEN)		EXHAUST AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)
NC	NORMALLY CLOSED		GATE VALVE (NORMALLY CLOSED)		OUTSIDE AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)
	CONNECT TO EXISTING		PETE'S PLUG OR EQUIVALENT		RELIEF AIR DUCT - INSIDE DIMENSION - (TURNED UP/DOWN)
	TAGGED NOTE		STRAINER		FLEXIBLE DUCT
	DEMOLISH TO THIS POINT		GAS COCK		ACCESS DOOR IN BOTTOM OF DUCT
	DEMOLISH TO THIS POINT AND CAP		BALANCING COCK		ACCESS DOOR IN SIDE OF DUCT
	EXISTING PIPING (THIN SOLID LINE)		BALL VALVE		OPPOSED BLADE DAMPER (MOTORIZED)
	REMOVE EXISTING PIPING (THIN BROKEN LINE)		SAFETY OR RELIEF VALVE		VOLUME DAMPER (MANUAL)
	CONDENSATE DRAIN LINE		PRESSURE REDUCING VALVE (WATER)		FIRE DAMPER
	CHILLED WATER SUPPLY		REDUCED PRESSURE BACKFLOW PREVENTER		TURNING VANES
	CHILLED WATER RETURN		CONTROL VALVE (2-WAY)		DEFLECTOR (AT REGISTER OR BRANCH)
	HOT WATER SUPPLY		CONTROL VALVE (3-WAY)		TRANSITION - PIPING
	HOT WATER RETURN		TRIPLE DUTY VALVE		DIRECTION OF FLOW (PIPING)
	DUAL TEMP (HOT/COLD) SUPPLY		DIGITAL THERMOMETER		TEMPERATURE SENSOR WITH STAINLESS STEEL COVER PLATE
	DUAL TEMP (HOT/COLD) RETURN		MANUAL AIR VENT		THERMOSTAT
	REFRIGERANT PIPING, SIZE PER MANUFACTURER RECOMMENDATIONS		PIPING ELBOW (TURNED UP/DOWN)		DIFFERENTIAL PRESSURE SENSOR (HYDRONIC)
	MECHANICAL EQUIPMENT DESIGNATOR		PIPING TEE (TURNED UP/DOWN)		PRESSURE GAUGE & COCK
	INDICATES AIR DISTRIBUTION DEVICE SPECIFICATION (L=LOUVER, T=TRANSFER GRILLE, S=SUPPLY DIFFUSER OR REGISTER, R=RETURN GRILLE OR REGISTER, E=EXHAUST GRILLE OR REGISTER)		FLEXIBLE CONNECTOR		DUCT-MOUNTED STATIC PRESSURE SENSOR
			FLANGE		DUCT-MOUNTED SMOKE DETECTOR
			UNION		CARBON DIOXIDE SENSOR
			FAN SWITCH		HUMIDITY SENSOR
			EMERGENCY BOILER SHUT-OFF SWITCH		
			DIAL THERMOMETER		

- GENERAL NOTES (APPLICABLE TO ALL DRAWINGS):
- EACH CONTRACTOR, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THE PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS AND AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
  - PLANS ARE DIAGRAMMATIC. NOT ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROFESSIONAL'S DISCRETION.
  - INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC., IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND/OR THE COLLECTION OF CONDENSATION THEREON.
  - OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
  - ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT DONE SO SHALL BE REMOVED AND REINSTALLED SATISFACTORILY.
  - WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
  - DO NOT SCALE FROM DRAWINGS. PRINTING DISTORTIONS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR CONTRACTOR'S.
  - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL MATCH EXISTING ADJACENT SURFACES AND BE IN ACCORD WITH OWNER STANDARDS FOR SUCH WORK.
  - TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCT WORK ELBOWS. REFER TO SPECIFICATION SECTION 15810 FOR MORE DETAIL.
  - THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE; HOWEVER, LOCATIONS, DEPTHS, ELEVATIONS AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO VERIFICATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC. AT THE TIME OF BID.
  - WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, HAVE SUCH PENETRATIONS IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANY WAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER.
  - ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
  - COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, ETC. WITH ALL MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
  - THE PURPOSE AND INTENT OF ALL THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
  - ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
  - INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
  - ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING. DO NOT SUPPORT EQUIPMENT FROM WALLS OR PARTITIONS.
  - DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
  - THE GENERAL CONTRACTOR FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. EACH TRADE SHALL COORDINATE THEIR WORK WITH OTHER TRADES AND THE GENERAL CONTRACTOR.
  - VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT.
  - ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, DUCTWORK, ETC. DO NOT BLOCK ACCESS TO VALVES, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
  - EXISTING CONDUIT AND WIRING. EXISTING CONDUIT AND WIRING MAY BE SUPPORTED BY EXISTING DUCT AND PIPING HANGERS. COORDINATE WORK WITH ELECTRICAL AND GENERAL CONTRACTOR TO RE-SUPPORT WIRING BEFORE CUTTING HANGERS. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY NOT COORDINATING WORK.
  - INCLUDE IN BID ALL COST ASSOCIATED WITH DRAINING AND FILLING ALL PIPING SYSTEMS AS REQUIRED TO INSTALL WORK.
  - PATCH HOLES IN WALLS, FLOORS, CEILINGS, ROOFS, ETC. TO MATCH ADJACENT SURFACES AS A RESULT OF REMOVAL OF MECHANICAL SYSTEMS. PATCHING SHALL BE PERFORMED BY QUALIFIED TRADESMAN.
  - WHERE THERMOSTATS AND OTHER WALL-MOUNTED CONTROL DEVICES ARE REMOVED AND NOT REPLACED PATCH WALL TO MATCH EXISTING CONDITIONS.
  - ANY VALVES USED FOR TESTING PURPOSES THAT ARE NOT SHOWN ON THESE DRAWINGS MUST MINIMALLY MEET THE QUALITY AND PERFORMANCE OF THE VALVES LISTED IN THE SPECIFICATIONS AND BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
  - INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE. CAP ABANDONED PIPING AND DUCTWORK.
  - EQUIVALENT DUCT SIZES ARE ALLOWED. DUCTWORK MAY BE FLATTENED AS REQUIRED TO ALLOW FOR FIT. DUCT MAY NOT BE FLATTENED LESS THEN (1) IN HEIGHT TO (4) IN WIDTH.
  - WHERE WORK IS REQUIRED ABOVE EXISTING CEILINGS AND/OR OUTSIDE OF WORKSCOPE AREA, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CUT, PATCH, REMOVAL AND REINSTALLATION (OR REPLACEMENT IF DAMAGED) OF ALL CEILING TILES, HARD CEILINGS, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THIS CONTRACTOR'S EXPENSE.
  - ALL SYSTEM SHUTDOWN PLANS SHALL BE SUBMITTED FOR REVIEW A MINIMUM OF 2 WEEKS IN ADVANCE. ALL COORDINATION SHOULD BE ACCOMPLISHED PRIOR TO SUBMISSION. MAJOR SHUTDOWN WILL REQUIRE 4 WEEKS BEFORE APPROVAL.
  - MECHANICAL CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER MECHANICAL EQUIPMENT DEMOLITION.
  - MECHANICAL CONTRACTOR SHALL DISPOSE OF DEMOLISHED MECHANICAL EQUIPMENT AND COORDINATE WITH THE CONSTRUCTION MANAGER.
  - PRIOR TO START OF DEMOLITION WORK, MECHANICAL CONTRACTOR SHALL VERIFY WITH ELECTRICAL CONTRACTOR THAT POWER FEEDS AND CONTROL WIRING HAVE BEEN DISCONNECTED AND LOCKED OUT FROM MECHANICAL EQUIPMENT WHICH IS TO BE REMOVED.
  - MECHANICAL CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK.
  - WHERE DUCT WORK OR PIPING IS REMOVED TO A MAN. CAP AT MAIN AIRTIGHT. FIELD VERIFY EXACT CONDITIONS. PROVIDE ALL MATERIALS AS REQUIRED. PROVIDE NEW ISOLATIONS VALVES AT WINGS AS REQUIRED, OR EXISTING NEW WORK TIES INTO EXISTING, AS A STANDARD FOR THE PROJECT. FIELD VERIFY EXACT EXTENT OF WORK PRIOR TO BID.
  - REFER TO ARCHITECTURAL PLAN FOR PROJECT LIST OF ALL ALTERNATES.

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any above numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

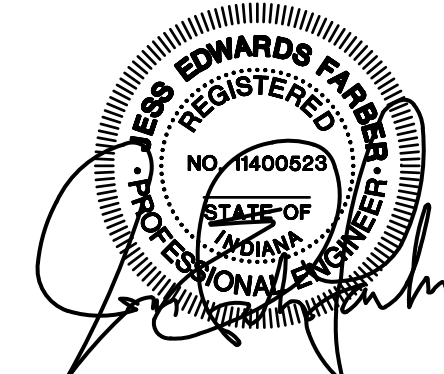


SHEET TITLE  
 MECHANICAL LEGEND AND GENERAL NOTES

OWNER  
 NORTH HARRISON  
 COMMUNITY SCHOOLS

PROJECT TITLE  
 NORTH HARRISON  
 ELEMENTARY SCHOOL

ISSUED FOR  
 Public Bidding



**TowerPinkster**  
 Architecture · Engineering · Interiors  
 © 2024. ALL RIGHTS RESERVED.

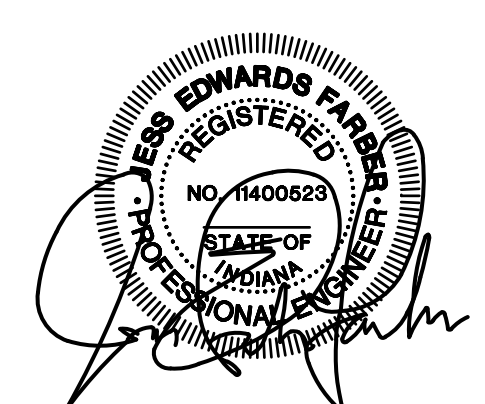
SHEET NUMBER  
**M100**

1115 W WHISKEY RUN RD. NW  
 RAMSEY, IN 47166

2024 ADDITIONS AND  
 RENOVATIONS

DATE  
 APRIL 3, 2024

MECHANICAL LEGEND AND GENERAL NOTES



ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
**NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITIONS AND  
RENOVATIONS**

OWNER  
**NORTH HARRISON  
COMMUNITY SCHOOLS**  
1115 W WHISKEY RUN RD, NW  
RAMSEY, IN 47166

SHEET TITLE  
**MECHANICAL FLOOR PLAN - DEMOLITION**

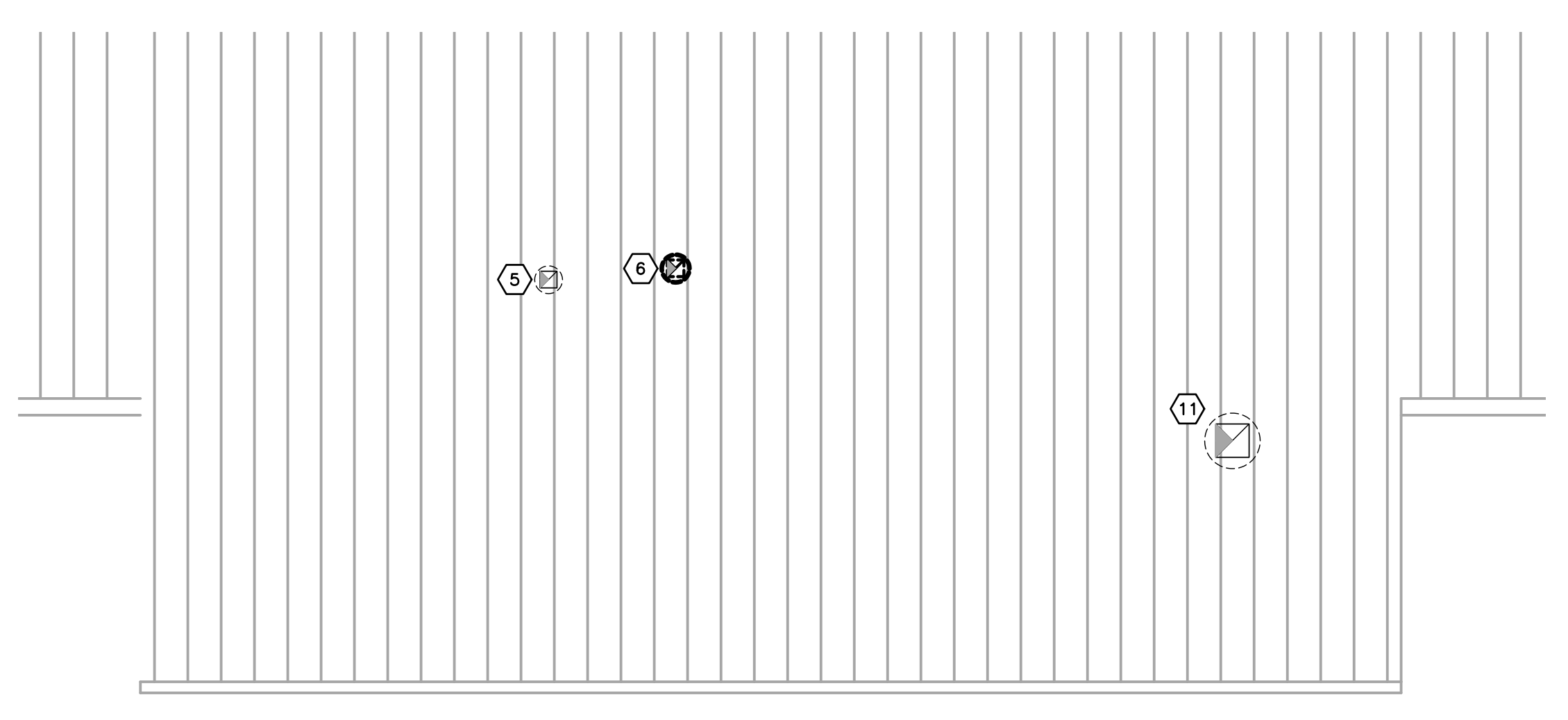
SHEET NUMBER  
**M200**

DATE  
APRIL 3, 2024

- GENERAL NOTES - MECHANICAL DEMOLITION:**
- INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE.
  - PATCH HOLES IN WALLS, FLOORS, CEILINGS, ROOFS, ETC. TO MATCH ADJACENT SURFACES AS A RESULT OF MECHANICAL SYSTEMS PATCH SHALL BE PERFORMED BY QUALIFIED TRADESMAN. PAINT ALL WALLS FROM CORNER TO CORNER TO MATCH ADJACENT CONDITIONS.
  - WHERE WORK IS REQUIRED ABOVE EXISTING CEILINGS AND/OR OUTSIDE OF WORKSCOPE AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT, PATCH, REMOVAL, AND REINSTALLATION (OR REPLACEMENT IF DAMAGED) OF ALL CEILING TILES, HARD CEILINGS, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THIS CONTRACTOR'S EXPENSE.
  - MECHANICAL CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER MECHANICAL EQUIPMENT DEMOLITION.
  - MECHANICAL CONTRACTOR SHALL DISPOSE OF DEMOLISHED MECHANICAL EQUIPMENT AND COORDINATE WITH THE CONSTRUCTION MANAGER.
  - PRIOR TO START OF DEMOLITION WORK, MECHANICAL CONTRACTOR SHALL VERIFY WITH ELECTRICAL CONTRACTOR THAT POWER FEEDS AND CONTROL WIRING HAVE BEEN DISCONNECTED AND LOCKED OUT FROM MECHANICAL EQUIPMENT WHICH IS TO BE REMOVED.
  - MECHANICAL CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK. WITHIN ALL AREAS OF WORK, ALL INSULATION MISSING OR DAMAGED SHALL BE REPAIRED OR REPLACED FOR ALL EXISTING SYSTEMS.
  - WHERE DUCT WORK OR PIPING IS REMOVED TO A MAIN, CAP AT MAIN AIRSIDE. FIELD VERIFY EXACT CONDITIONS. PROVIDE ALL MATERIALS AS REQUIRED. PROVIDE NEW ISOLATIONS VALVES AT MAINS AS REQUIRED, OR EVERYWHERE NEW WORK TIES INTO EXISTING AS A STANDARD FOR THE PROJECT. FIELD VERIFY EXACT EXTENT OF WORK PRIOR TO BID.
  - REMOVE ALL EXISTING ABANDONED PIPING ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGERS, INSULATION, VALVES, ETC. CAP ALL AT MAINS AS REQUIRED.
  - REMOVE ALL EXISTING ABANDONED DUCTWORK ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGERS, INSULATION, VALVES, ETC. CAP ALL AT MAINS AS REQUIRED.

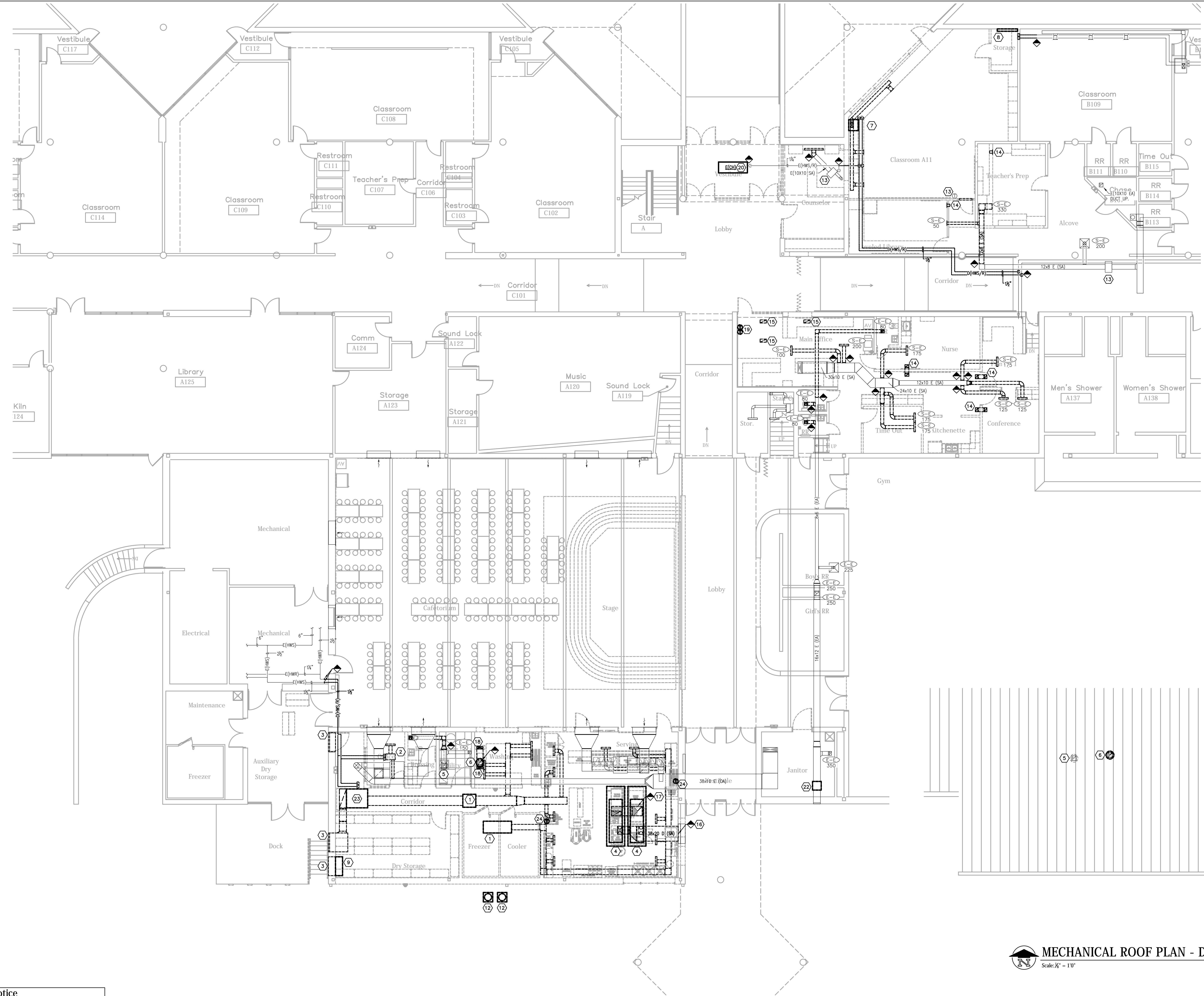
- MECHANICAL DEMOLITION TAG NOTES (X)**
- DIS SPLIT UNIT, AND ALL ASSOCIATED PIPING, TO BE REMOVED COMPLETELY.
  - VAV BOX TO BE REMOVED COMPLETELY.
  - WALL LOUVER TO BE REMOVED. WALL TO BE INFILLED. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
  - KITCHEN HOOD, EXHAUST FAN, AND MAKEUP AIR UNIT TO BE REMOVED COMPLETELY.
  - 300 CFM EXHAUST FAN TO REMAIN.
  - 1000 CFM DISHWASHER EXHAUST FAN AND ALL ASSOCIATED DUCTWORK TO BE REMOVED COMPLETELY AND REPLACED. REFER TO SHEET M009 FOR ADDITIONAL INFORMATION.
  - UNIT VENTILATOR TO BE REMOVED COMPLETELY.
  - RADIANT HEATER TO BE REMOVED COMPLETELY, INCLUDING ALL DUCTWORK AND PIPING.
  - PTAC UNIT TO BE REMOVED COMPLETELY.
  - HEATING BLOWER COIL TO BE REMOVED COMPLETELY.
  - EXISTING EXHAUST HOOD TO REMAIN.
  - CONDENSING UNIT, AND ALL ASSOCIATED PIPING, TO BE REMOVED COMPLETELY.
  - VAV BOX TO REMAIN.
  - TRANSFER DUCT TO BE REMOVED COMPLETELY.
  - RETURN GRILLE TO BE REMOVED COMPLETELY.
  - DEMOLISH AND REMOVE ALL EXISTING MAKE-UP AIR DUCTWORK BACK TO LOUVER AS INDICATED. CAP LOUVER WITH INSULATED SHEET METAL CAP.
  - 24x24 VERTICAL EXHAUST DUCT TO REMAIN.
  - DISCONNECT AND REMOVE EXHAUST DUCTWORK FROM EXISTING DISHWASHER SYSTEM.
  - EXISTING THERMOSTATS TO BE REMOVED AND RELOCATED. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
  - DEMOLISH, REMOVE, AND REPLACE EXISTING CABINET HEATER. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
  - DISCONNECT AND REMOVE EXISTING THERMOSTAT.
  - EXISTING INLINE EXHAUST FAN TO BE REMOVED AND REPLACED.
  - EXISTING AIR HANDLING UNIT TO BE REMOVED COMPLETELY.
  - EXISTING THERMOSTAT TO BE COMPLETELY REMOVED.

**MECHANICAL ROOF PLAN - DEMOLITION**  
Scale: 1/8" = 1'-0"

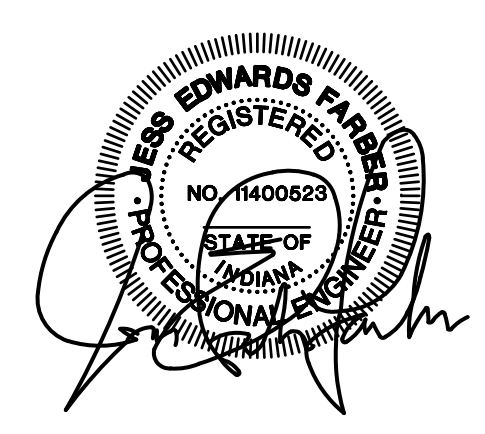


**MECHANICAL FLOOR PLAN - DEMOLITION**  
Scale: 1/8" = 1'-0"

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**CMTA**  
A L.L. COMPANY  
10411 Meeting Street,  
Prospect, Kentucky 40059  
502.326.3005 | 502.326.2691  
www.cmta.com

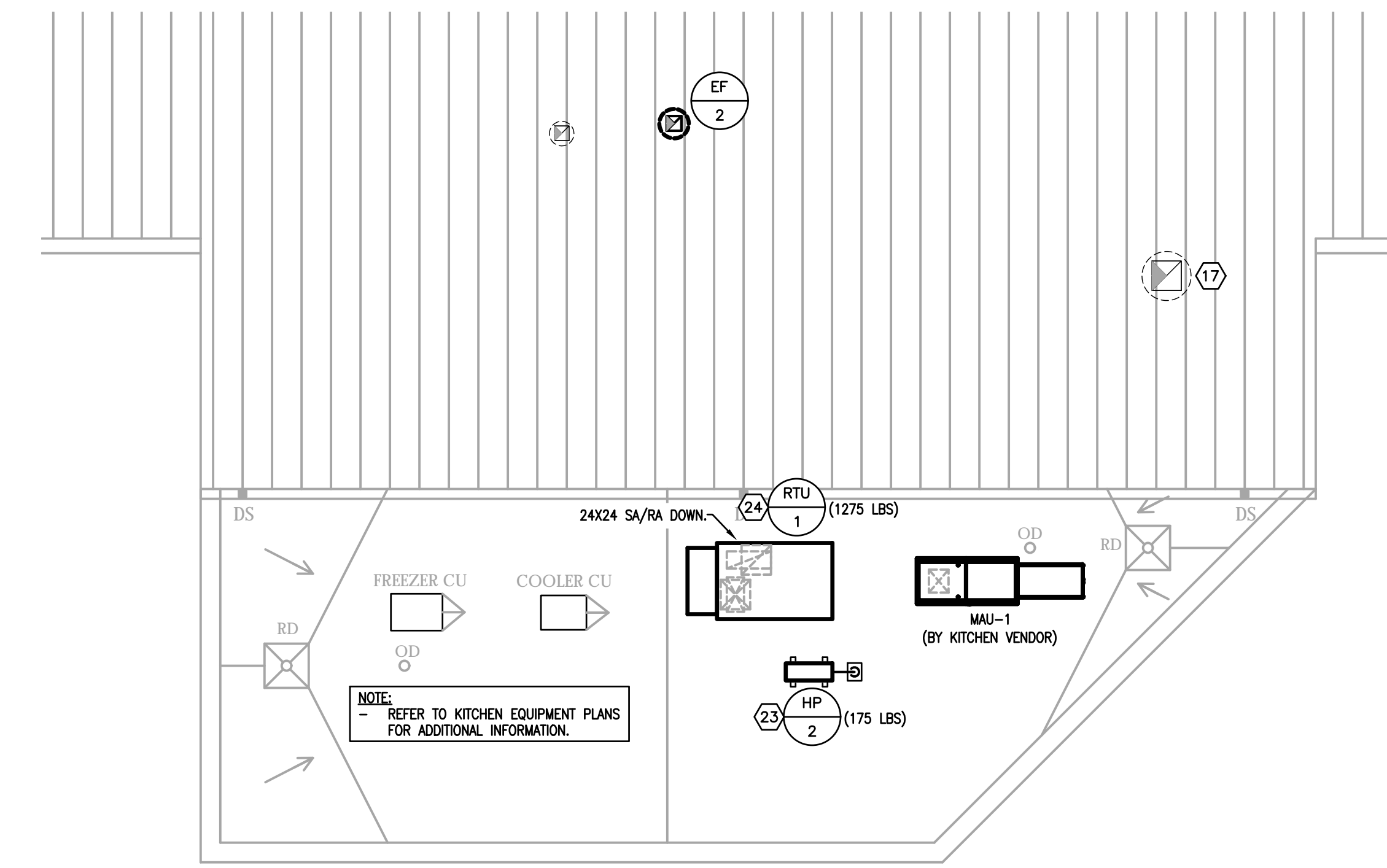


ISSUED FOR DATE  
Public Bidding 04-03-2024

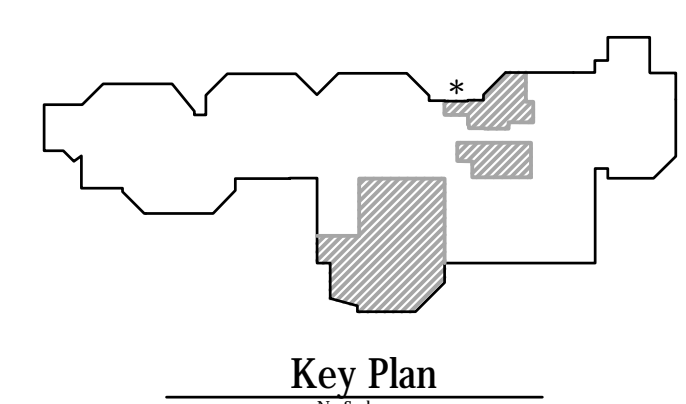
- MECHANICAL TAG NOTES:**
- CONNECT TO 16x4 DISHWASHER EXHAUST.
  - 12x6 TRANSFER OPENING ABOVE CEILING.
  - DRYER EXHAUST, INSTALL PER CODE REQUIREMENTS.
  - RE-BALANCE EXISTING EXHAUST GRILLE TO FLOW INDICATED.
  - EXISTING 24x24 EA DUCT UP. CONNECT KITCHEN EXHAUST FAN DISCHARGE TO DUCT AS REQUIRED.
  - ARCHITECTURAL SOFFIT TO BE INSTALLED AS INDICATED. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
  - REMOVE AND REINSTALL EXISTING CABINET HEATER. RECONNECT HEATER TO EXISTING HOT WATER PIPING AS INDICATED.
  - KITCHEN EXHAUST FAN ON PLATFORM. CONNECT TO EXISTING RISER AS REQUIRED. REFER TO KITCHEN VENDOR PLANS FOR ADDITIONAL INFORMATION.
  - 16"x8" KITCHEN HOOD SUPPLY AIR. BALANCE TO 234 CFM EACH.
  - 36"x8" KITCHEN HOOD MAKEUP AIR. BALANCE TO 624 CFM EACH.
  - REFRIGERANT PIPING UP TO CONDENSING UNIT ON ROOF.
  - SPILL CONDENSATE DRAIN LINE AT FLOOR DRAIN NEXT TO COOLER AS INDICATED.
  - 20X20 OA UP TO MAKE-UP AIR UNIT ON ROOF. REFER TO KITCHEN VENDOR PLANS FOR ADDITIONAL INFORMATION.
  - 24X24 SA/RA UP TO RTU-1 ON ROOF.
  - SPILL 3/4" CONDENSATE TO GRADE. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
  - RELOCATE EXISTING THERMOSTAT TO NEW LOCATION AS INDICATED.
  - NEW KITCHEN EXHAUST HOOD. REFER TO KITCHEN VENDOR PLANS FOR ADDITIONAL INFORMATION.
  - TRANSITION TO FAN OPENINGS. PROVIDE VIBRATION ISOLATORS AT DUCT CONNECTIONS.
  - NEW DISHWASHER EXHAUST DUCT TO BE STAINLESS STEEL. PROVIDE ACCESS DOORS AT ALL ELBOWS. PROVIDE NO TURNING VANES IN ELBOWS.
  - PROVIDE CONCRETE PAD UNDER NEW UNIT.
  - PROVIDE AND INSTALL ROUND ZONE DAMPER SIMILAR TO CARRIER MODEL. DAMPER TO BE SAME SIZE AS DUCTWORK. INTERLOCK TO THERMOSTAT. REFER TO SPECIFICATIONS. (TYPICAL)
  - DOC TEMPERATURE CONTROL PANEL. REFER TO SPECIFICATIONS.
  - ROUTE REFRIGERANT PIPING DOWN TO INDOOR UNIT. REFER TO PIPING PENETRATION DETAIL. INSTALL UNIT ON THYCURB EQUIPMENT RAIS.
  - PIPE CONDENSATE TO ROOFDRAN FULL SIZE.
  - REFER TO SPECIFICATIONS FOR EXHAUST DUCT CONSTRUCTION INFORMATION.
  - 16" ROUND EXHAUST DUCT TO HOOD. BALANCE TO 2,343 CFM.

**DUCT RUNOUT SCHEDULE**

GRILLE	DUCT SIZE	GRILLE	DUCT SIZE	GRILLE	DUCT SIZE
S-1	6"	R-1	6"	E-1	6"
S-2	8"	R-2	8"	E-2	8"
S-3	10"	R-3	10"	E-3	10"
S-4	10x4	R-4	12"	E-4	12"
		R-5	14"	E-5	14"
		R-6	24x24		
		R-6A	12x12		



**MECHANICAL ROOF PLAN**  
Scale: 1/4" = 10'



Key Plan



**MECHANICAL FLOOR PLAN - RENOVATION**  
Scale: 1/8" = 10'

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

PROJECT TITLE  
**NORTH HARRISON  
ELEMENTARY SCHOOL**

OWNER  
**NORTH HARRISON  
COMMUNITY SCHOOLS**

SHEET TITLE  
**MECHANICAL FLOOR PLAN - RENOVATION**

SHEET NUMBER  
**M300**

2024 ADDITIONS AND  
RENOVATIONS

1115 W WHISKEY RUN RD, NW  
RAMSEY, IN 47166

DATE  
APRIL 3, 2024



ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
**NORTH HARRISON  
ELEMENTARY SCHOOL**

OWNER  
**NORTH HARRISON  
COMMUNITY SCHOOLS**

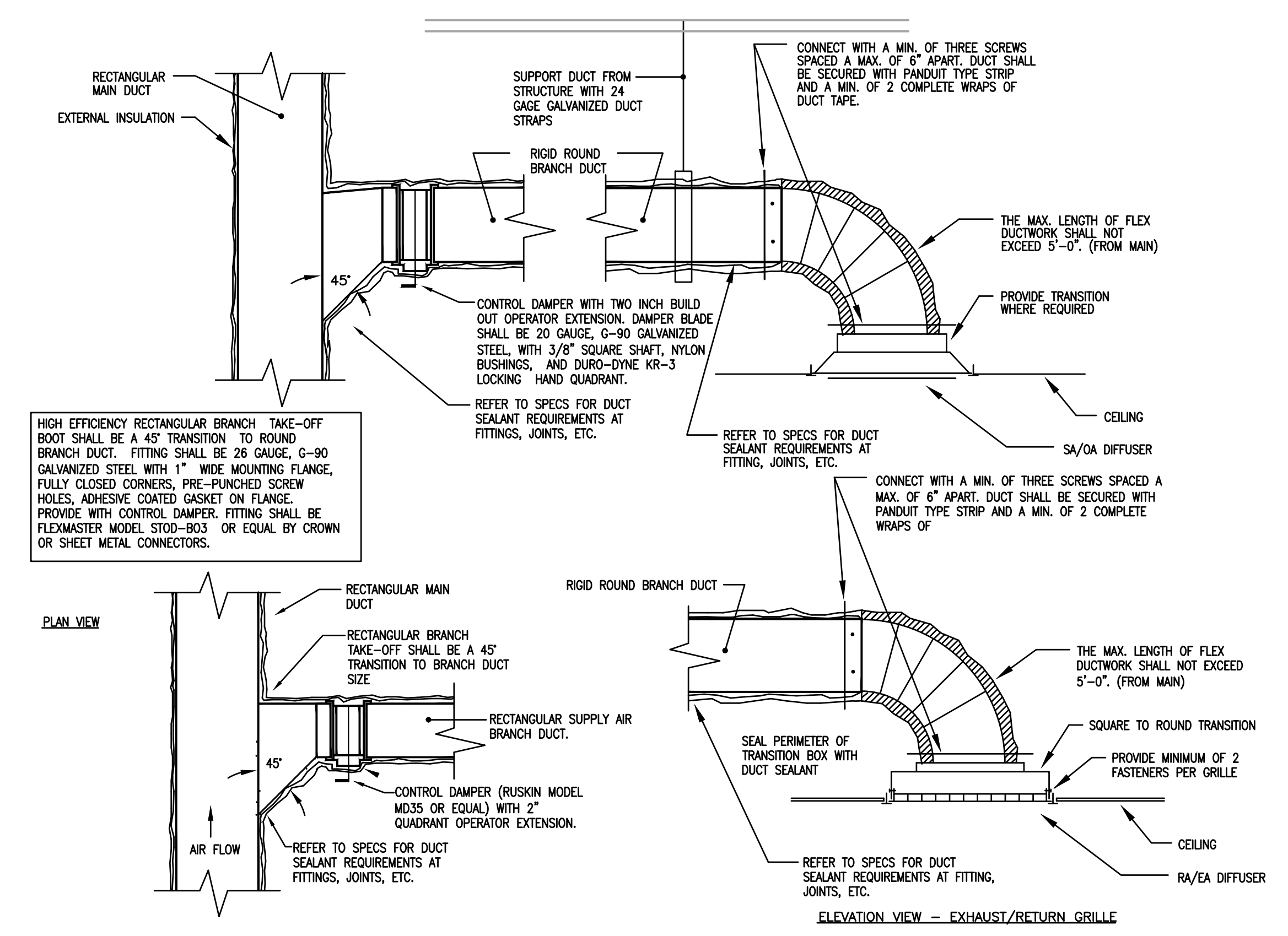
SHEET TITLE  
**MECHANICAL DETAILS**

2024 ADDITIONS AND  
RENOVATIONS

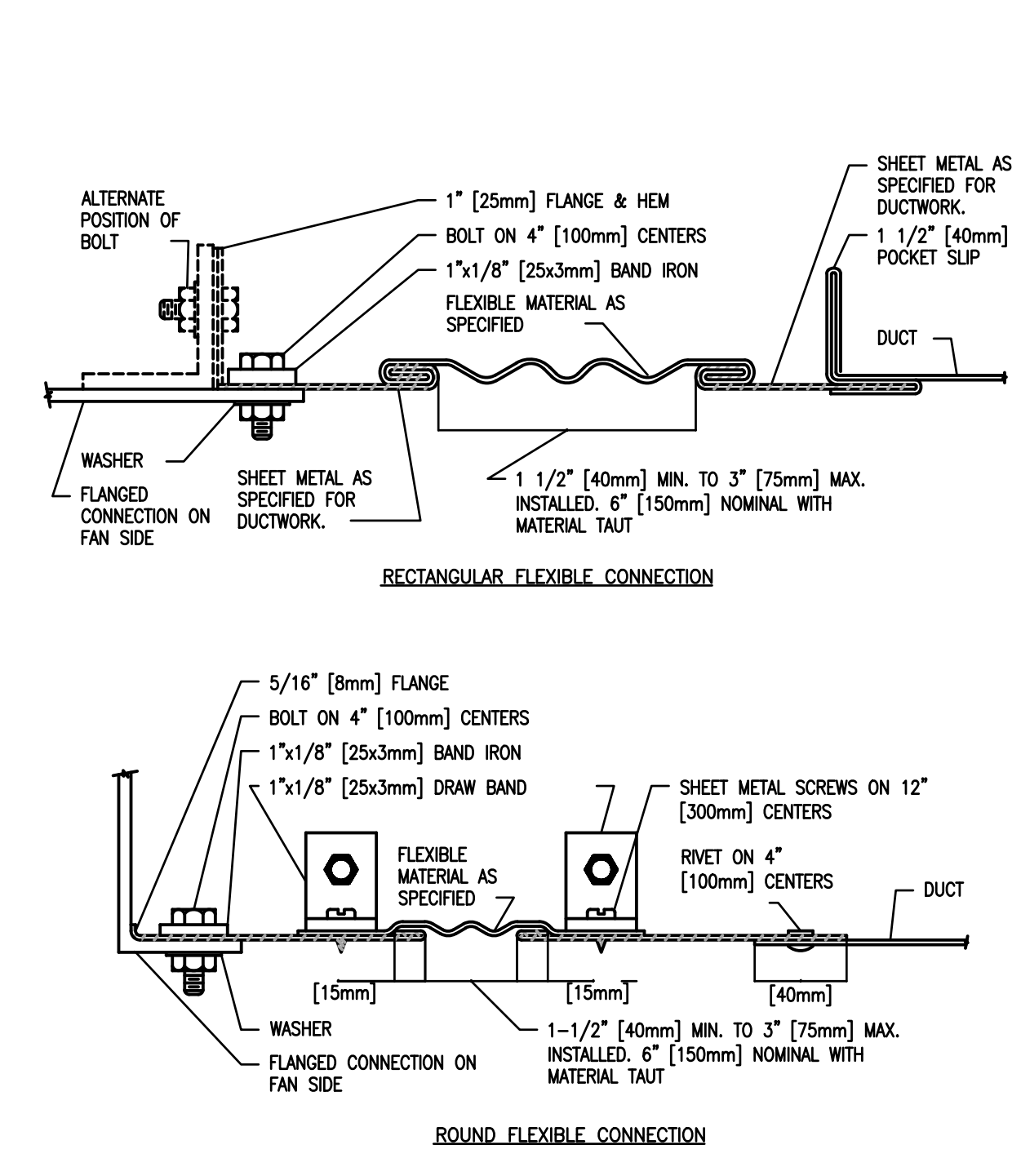
1115 W WHISKEY RUN RD, NW  
RAMSEY, IN 47166

DATE  
APRIL 3, 2024

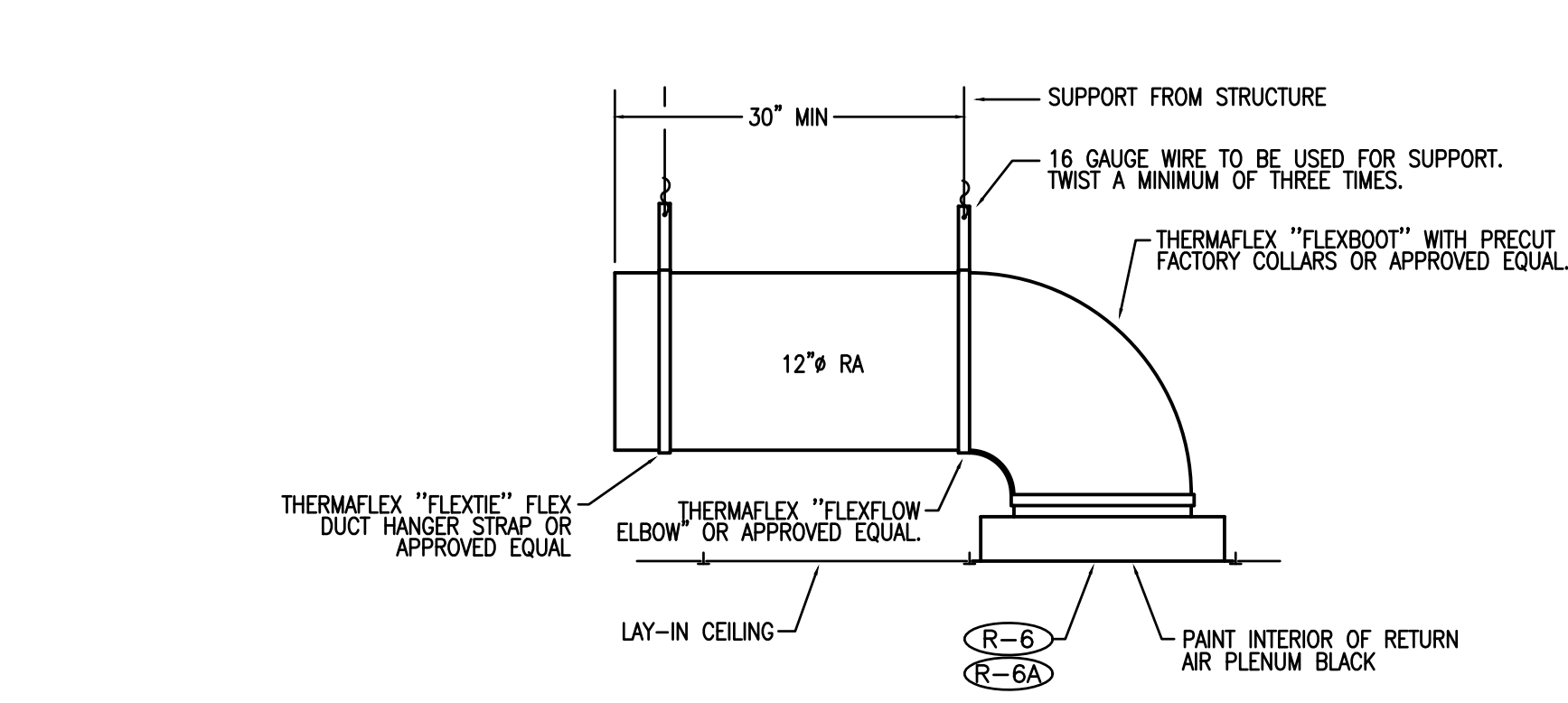
SHEET NUMBER  
**M400**



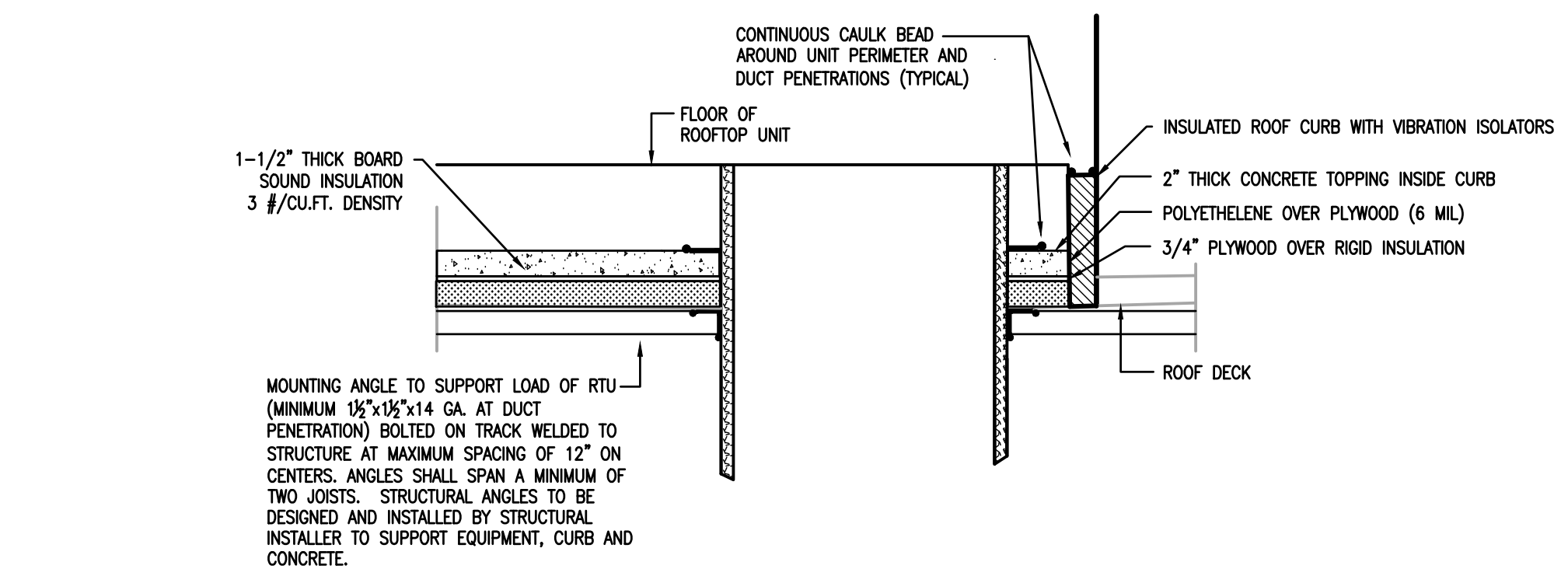
**01 RECTANGULAR-TO-RECTANGULAR-TO-ROUND TAKEOFF DETAIL**  
NOT TO SCALE



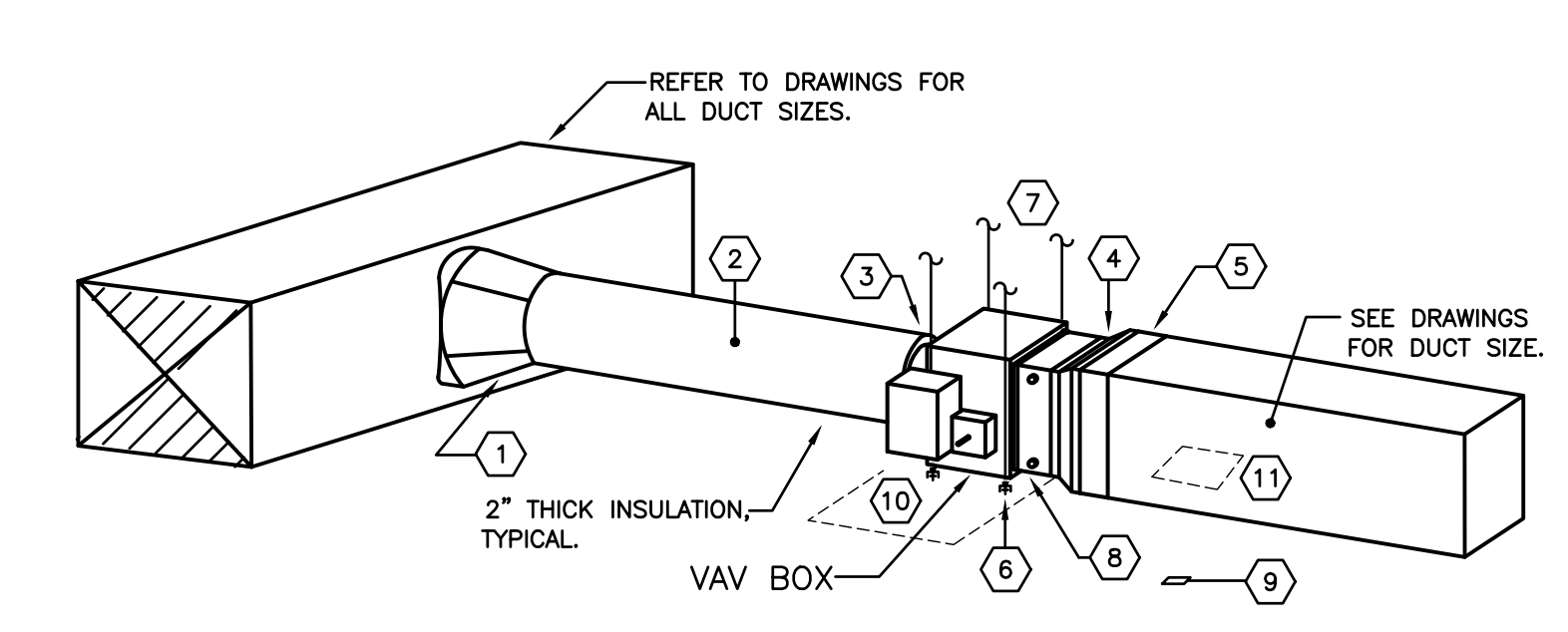
**05 FLEXIBLE DUCT CONNECTOR DETAIL**  
NOT TO SCALE



**09 PLENUM RETURN DETAIL**  
NOT TO SCALE

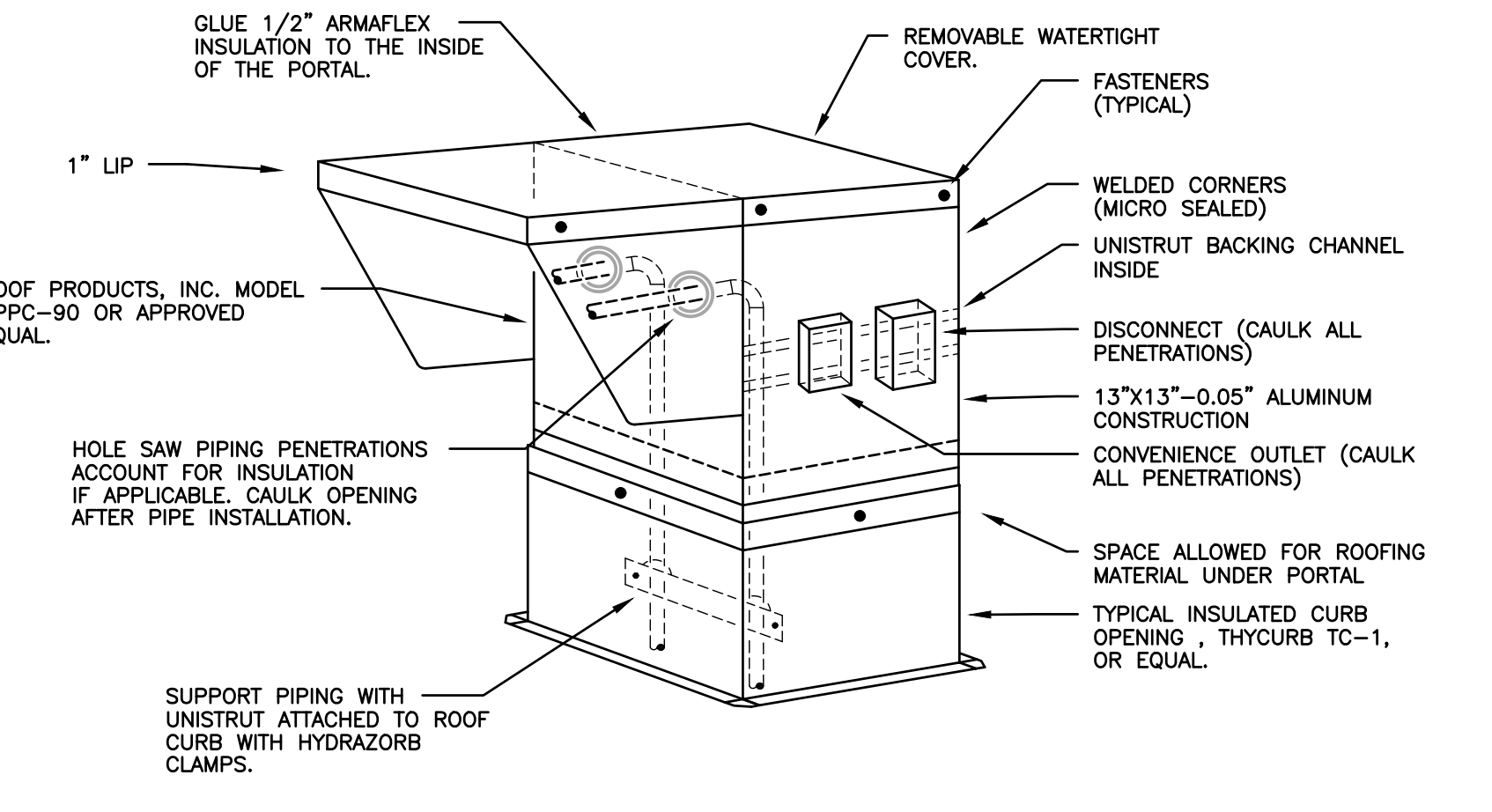


**10 ROOFTOP UNIT DUCT PENETRATION DETAIL**  
NOT TO SCALE

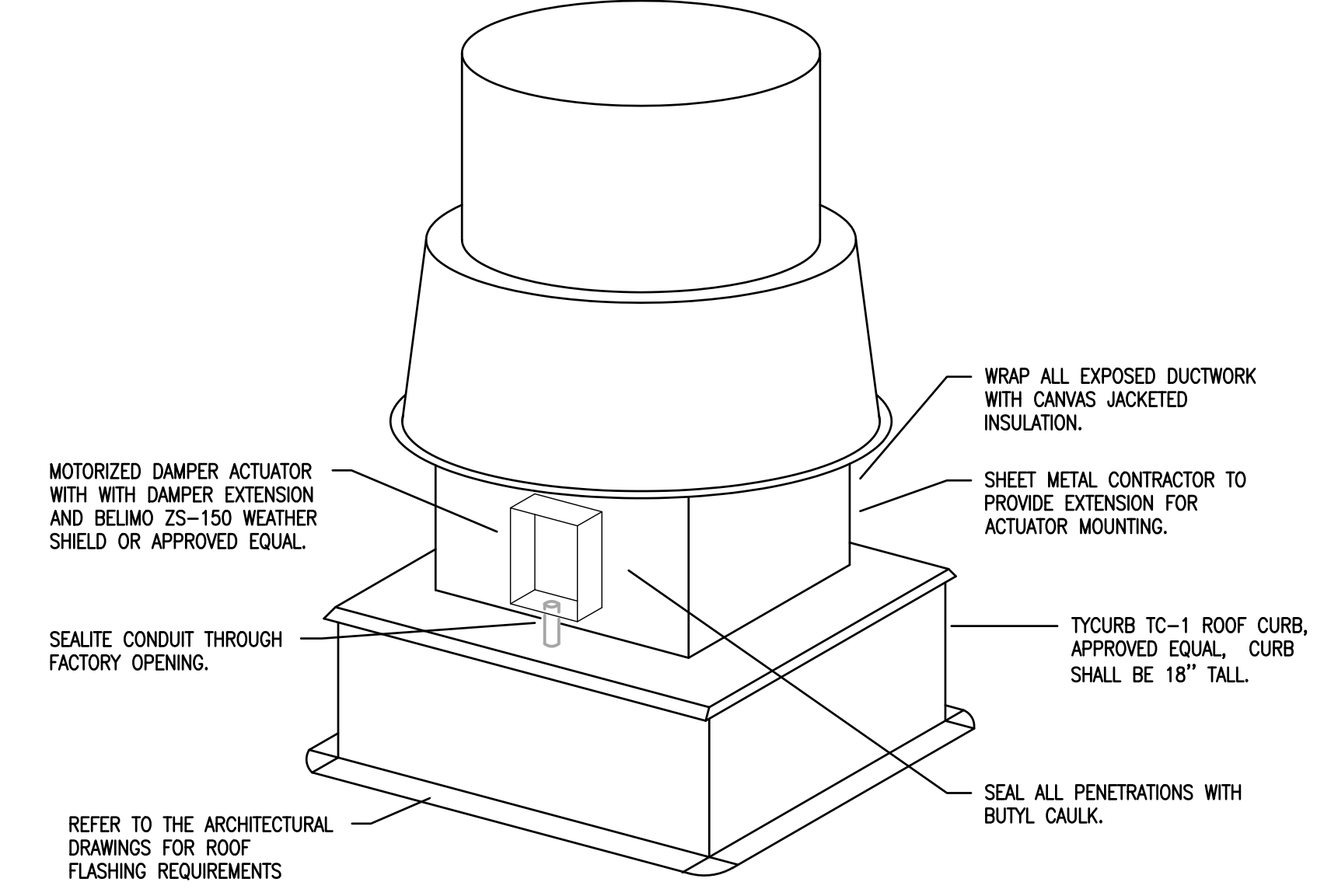


**11 VAV BRANCH DUCT CONNECTION DETAIL**  
NOT TO SCALE

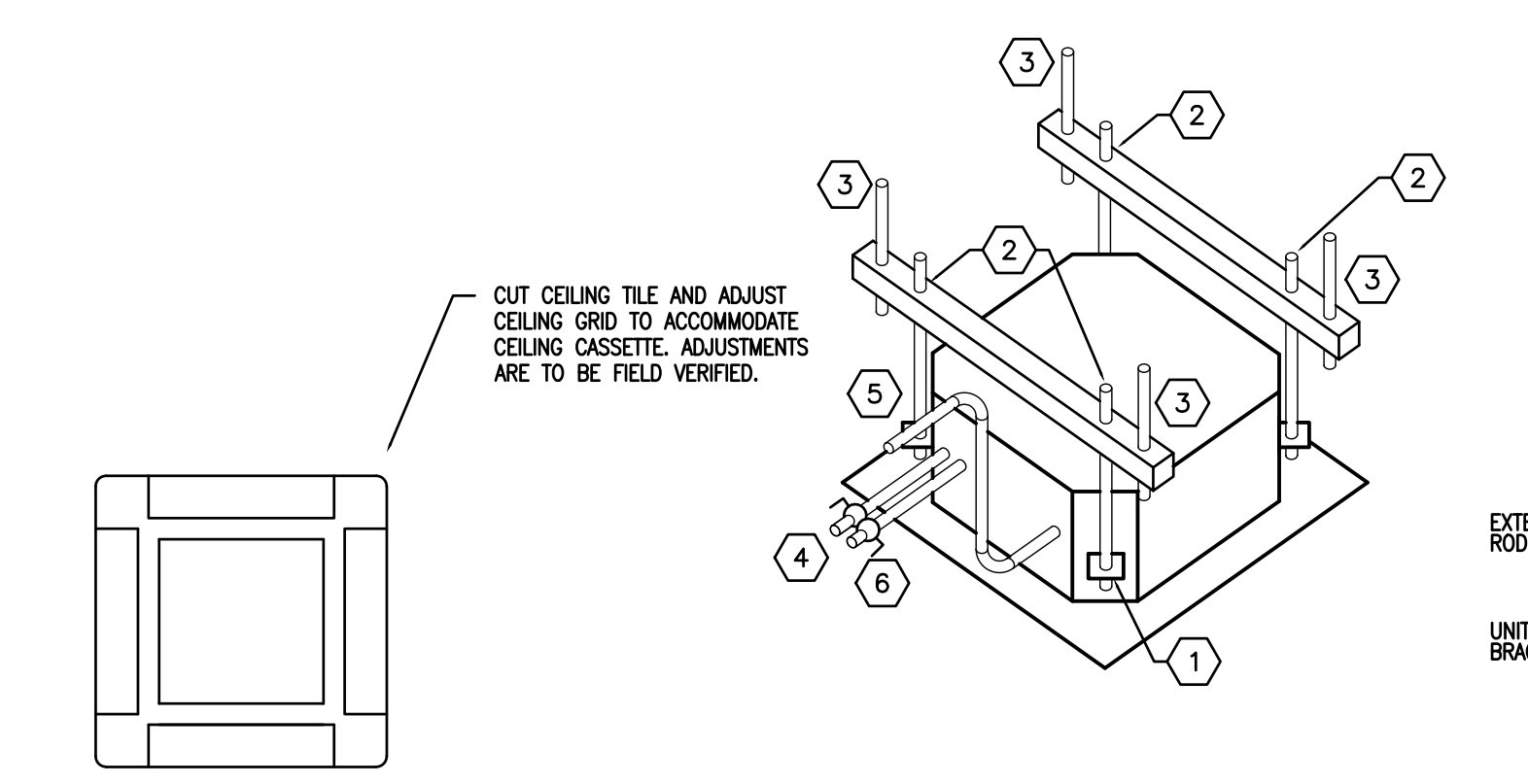
- TAGGED NOTES (X)**
- HIGH EFFICIENCY DUCT TAKE-OFF.
  - MAINTAIN A MINIMUM OF THREE DUCT DIAMETERS BETWEEN TAKE-OFF AND VAV UNIT. NO FLEXIBLE DUCTWORK ALLOWED ON THE INLET SIDE OF THE UNIT.
  - MAINTAIN INSULATION TO EDGE OF VAV UNIT.
  - PROVIDE TRANSITION BETWEEN VAV UNIT AND DUCT.
  - PROVIDE FLEXIBLE CONNECTION BETWEEN VAV UNIT AND DUCT.
  - UNI-STRUT WITH ISOLATION PAD.
  - SUPPORT UNIT FROM STRUCTURE.
  - FULLY INSULATE THE HOT WATER COIL.
  - PROVIDE LAMACOOD PLATE ON THE CEILING GRID WITH VAV IDENTIFICATION. SEE SPECIFICATIONS FOR ADDITIONAL DETAIL.
  - PROVIDE VAV BOX WITH BOTTOM ACCESS PANEL.
  - PROVIDE ACCESS PANEL IN DUCTWORK DOWNSTREAM OF COIL.



**06 PIPE CHASE / ROOF CURB DETAIL**  
NOT TO SCALE



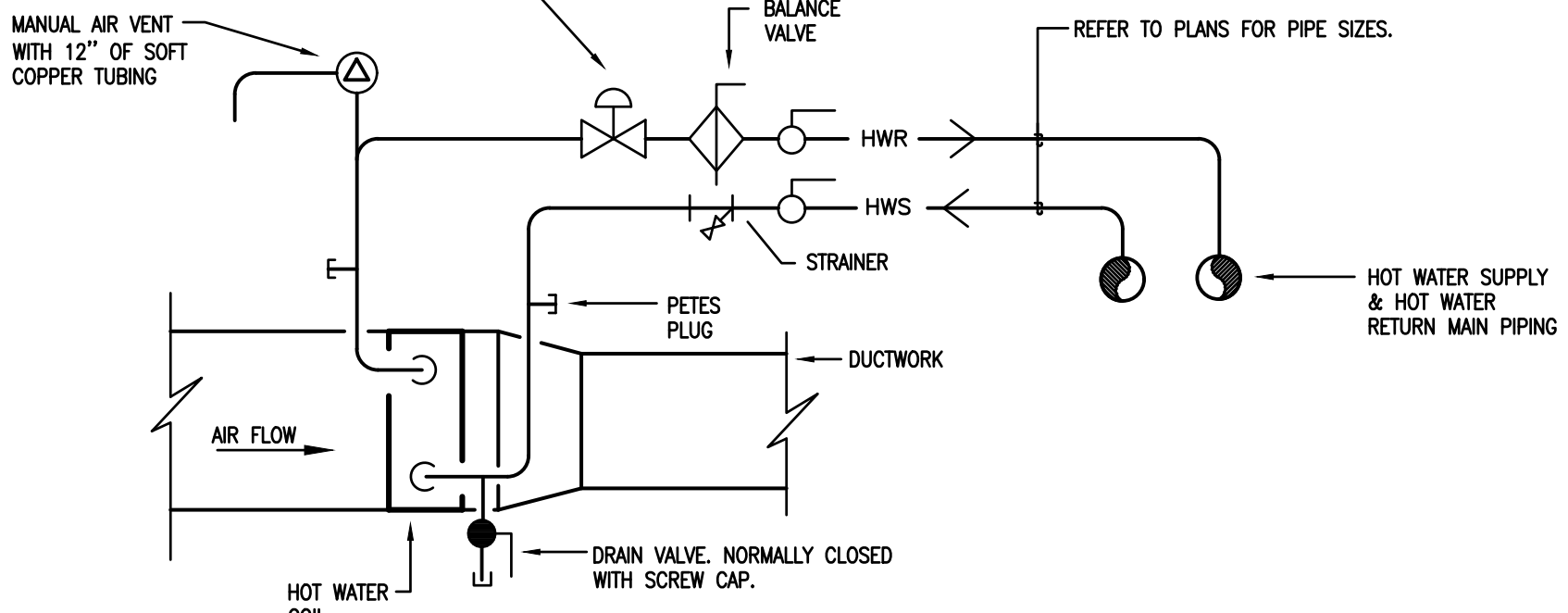
**02 ROOFTOP EXHAUST FAN MOTORIZED DAMPER ACTUATOR DETAIL**  
NOT TO SCALE



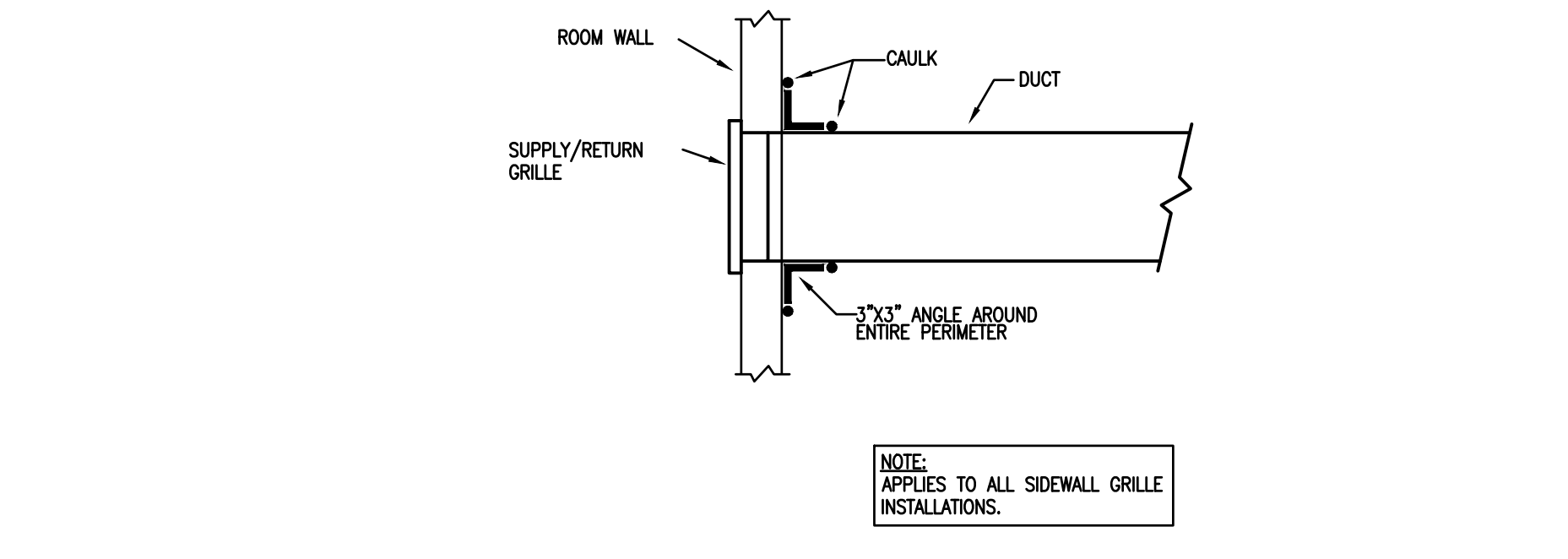
**12 VRF SPLIT SYSTEM INDOOR UNIT INSTALLATION DETAIL**  
NOT TO SCALE

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

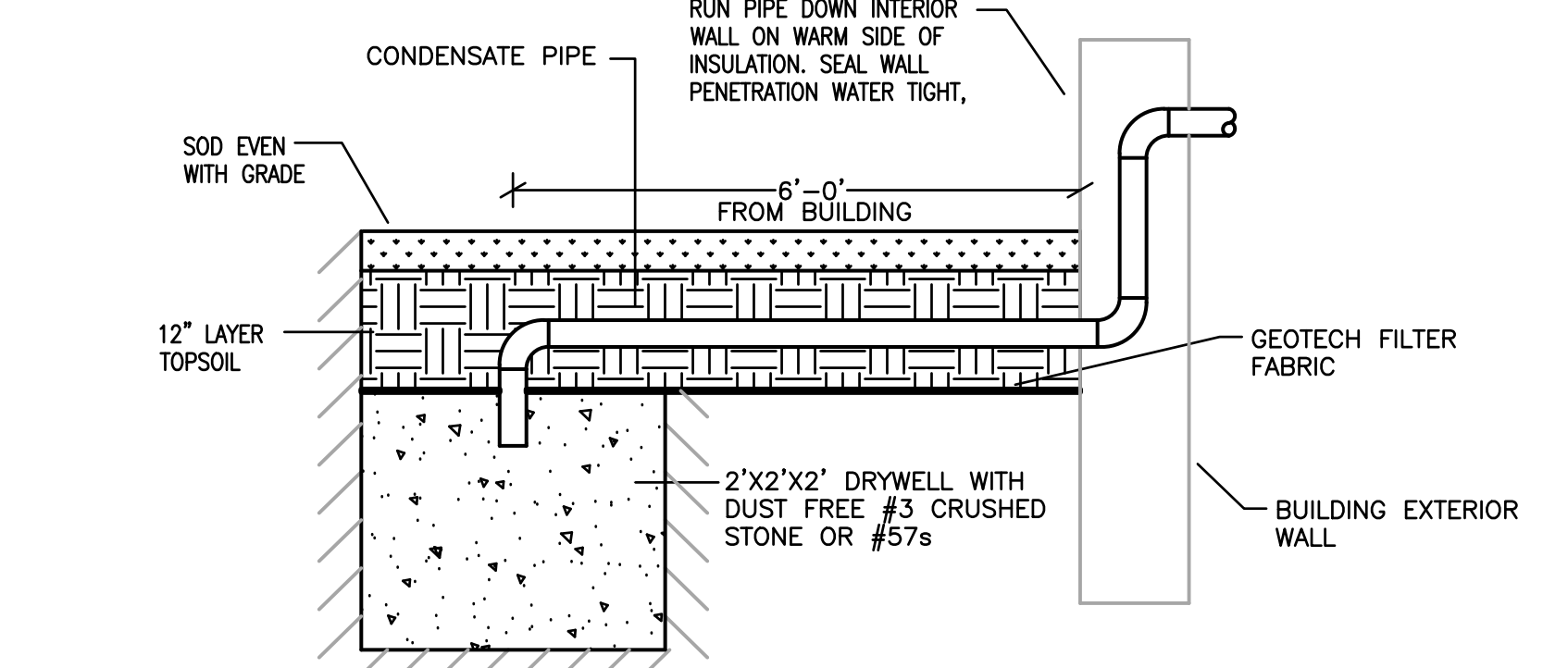
- TAG NOTES -CEILING CASSETTE UNITS:**
- PROVIDE VIBRATION ISOLATION GROMMET AT UNIT SUPPORT. REFER TO DETAIL TYPICAL.
  - PROVIDE ALL THREADED ROD SUPPORT FROM UNISTRUT. TYPICAL.
  - SUPPORT UNISTRUT FROM STRUCTURE. PROVIDE ALL THREADED ROD AND VIBRATION ISOLATION GROMMET AT UNISTRUT. REFER TO DETAIL TYPICAL.
  - INSTALL REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATION.
  - CONDENSATE PIPING. REFER TO DRAWINGS FOR ROUTING AND CONDENSATE PIPE SIZE.
  - INSTALL BALL VALVES IN REFRIGERANT BRANCH LINES TO UNIT.



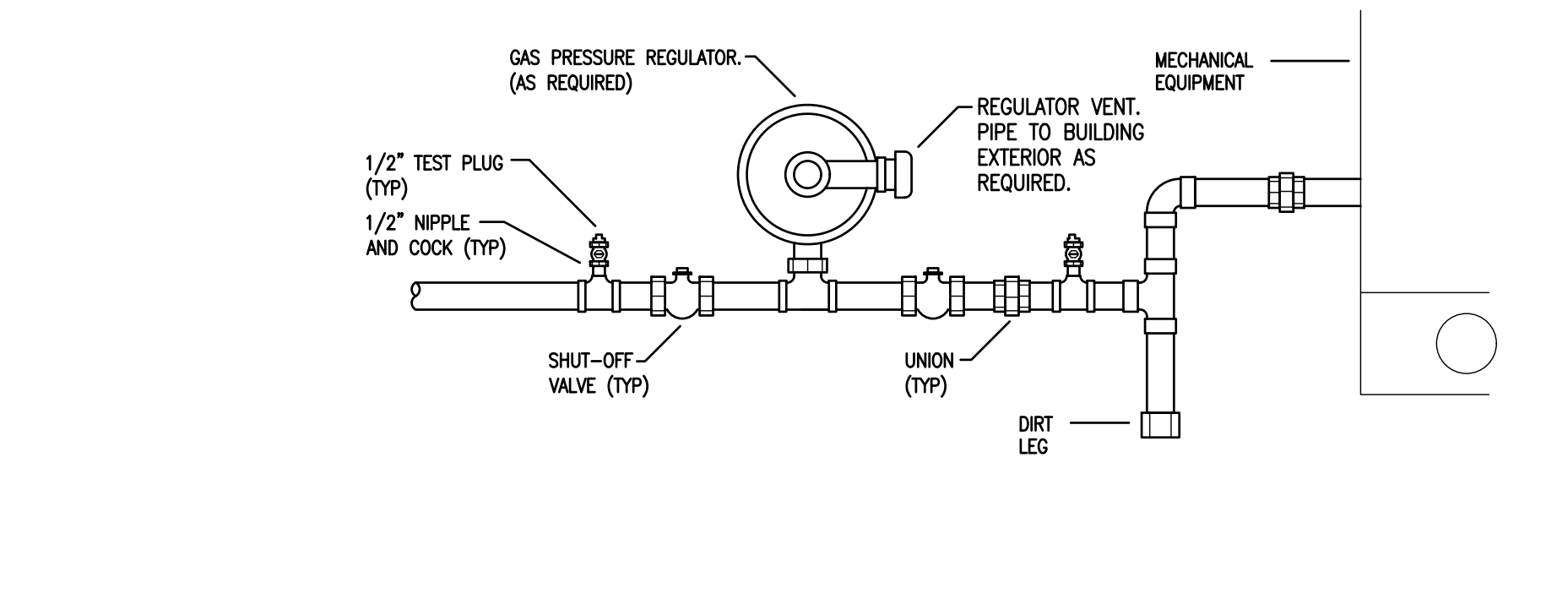
**07 HOT WATER HEATING COIL PIPING SCHEMATIC**  
NOT TO SCALE



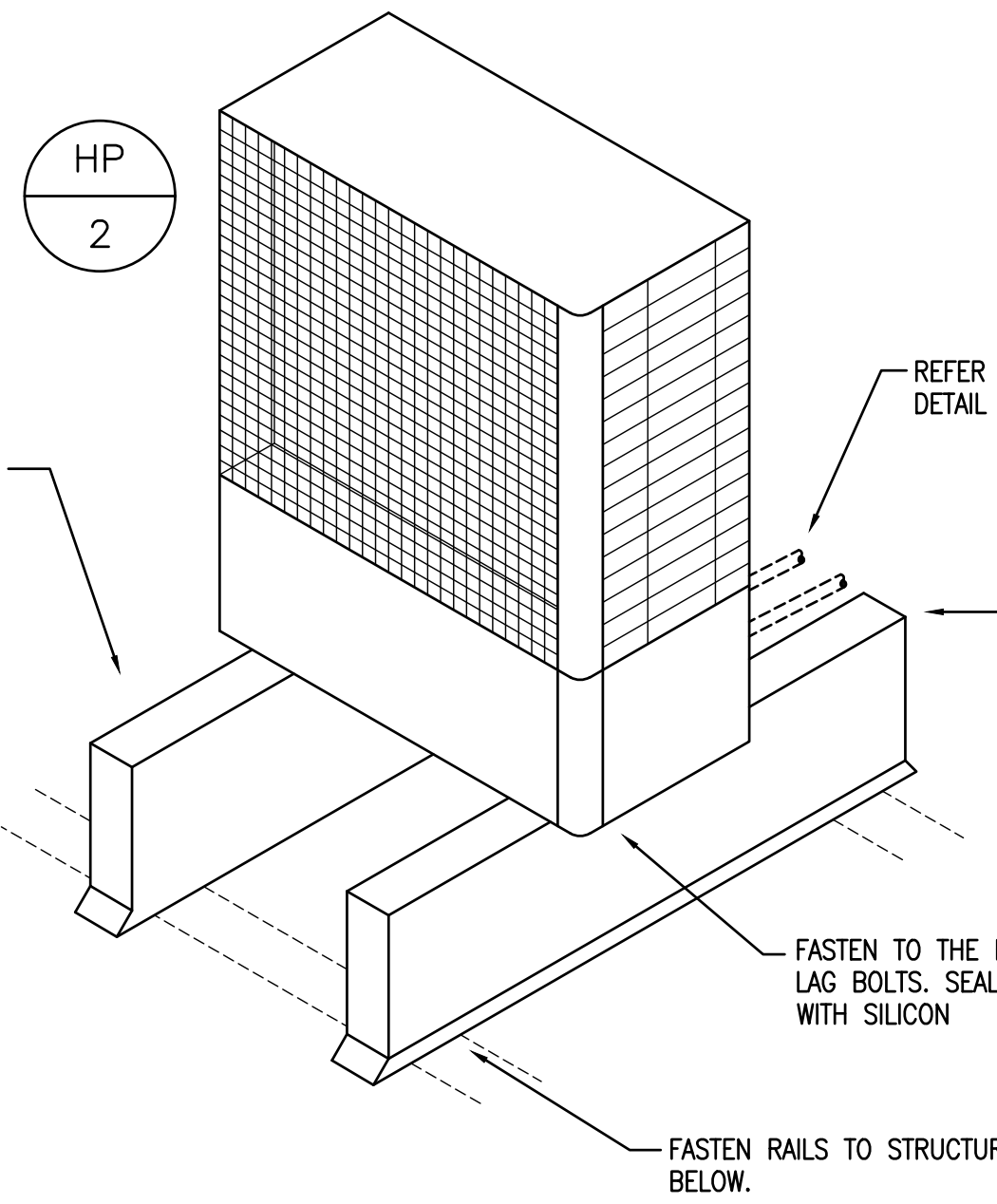
**03 SIDEWALL SUPPLY/RETURN/EXHAUST DETAIL**  
NOT TO SCALE



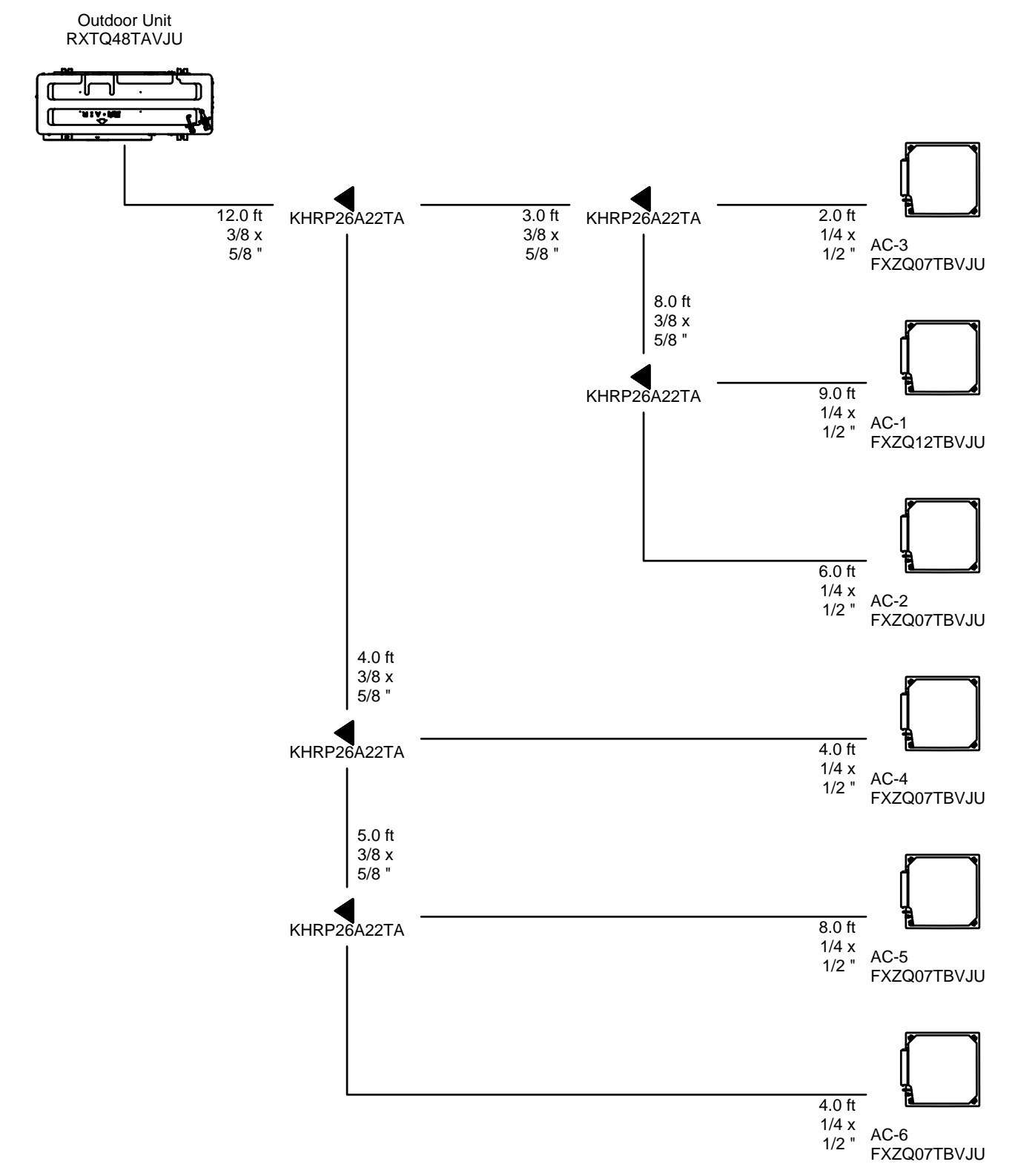
**08 CONDENSATE DRYWELL DETAIL**  
NOT TO SCALE



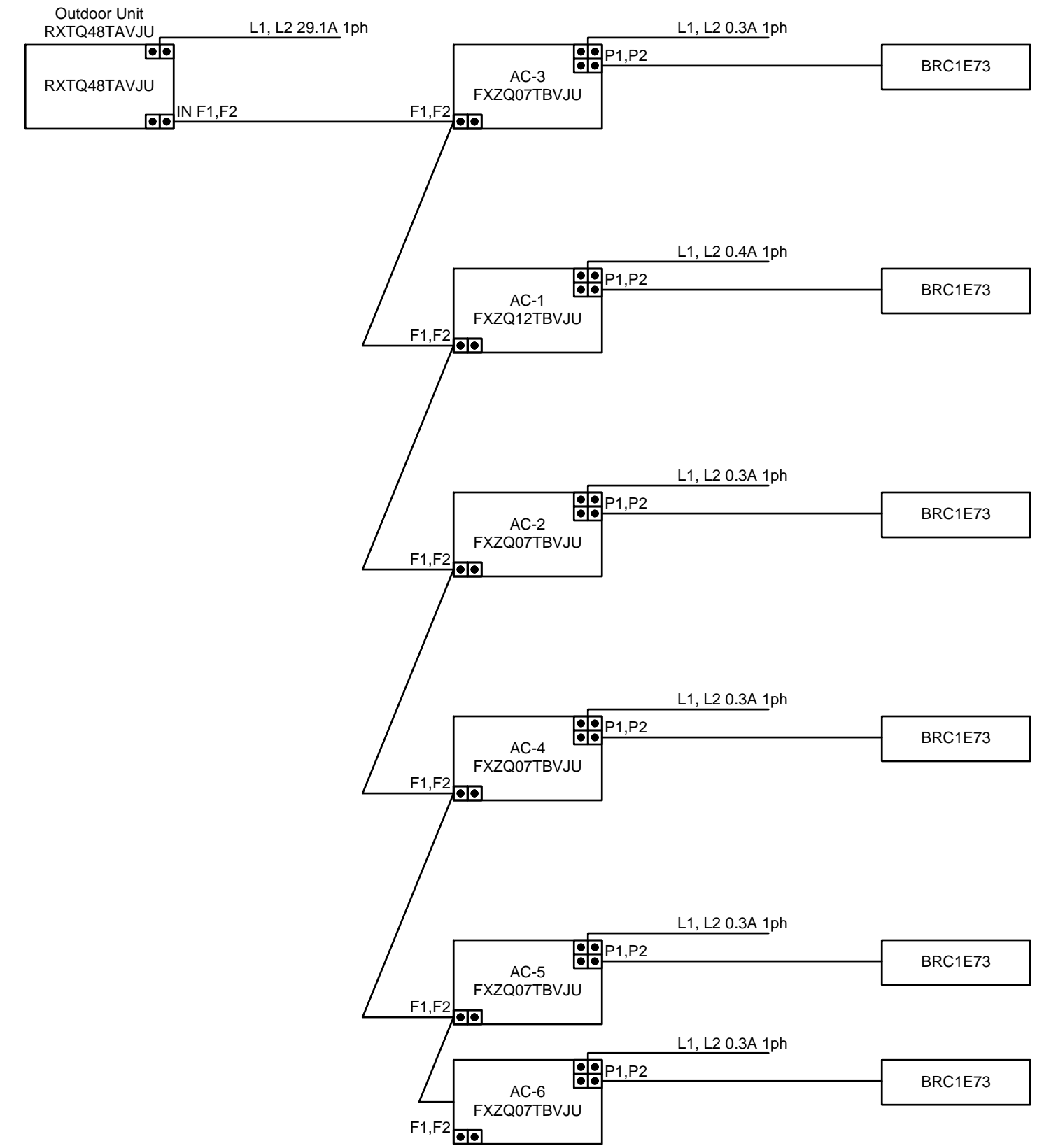
**04 MECHANICAL EQUIPMENT GAS CONNECTION DETAIL**  
NOT TO SCALE



**03 ROOF MOUNTED CONDENSING UNIT DETAIL**  
NOT TO SCALE



**01 VRF PIPING LAYOUT**  
NOT TO SCALE



**02 VRF WIRING DIAGRAM**  
NOT TO SCALE

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



SHEET TITLE  
MECHANICAL DETAILS

SHEET NUMBER  
**M401**

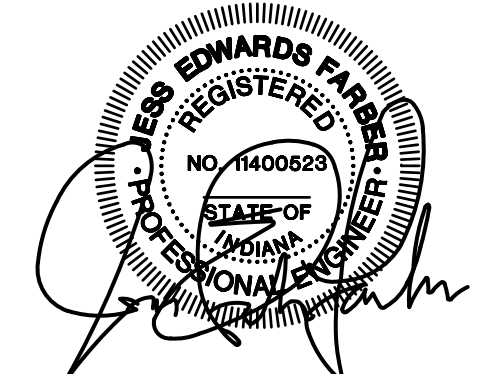
DATE  
APRIL 3, 2024

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITIONS AND  
RENOVATIONS

ISSUED FOR  
Public Bidding

DATE  
04-03-2024





DUCTLESS SPLIT SYSTEM	
SYMBOL (INDOOR UNIT)	AC-7
MANF. & MODEL	DAIKIN FQZ24AMJU
AREA SERVED	DRY STORAGE ROOM
CONFIGURATION	2-TON ROUNDLOW SENSING CASSETTE HEATPUMP
AIRFLOW	800 CFM
SYMBOL (OUTDOOR UNIT)	HP-2
MANF. & MODEL	DAIKIN RZQ24TKUJA
COOLING CAPACITY (MBH)	24.0 (EAT: 80F/67F / 95F AMBIENT)
HEATING CAPACITY (MBH)	27.0 (AT 47F OUTDOOR)
SEER / HSPF	18.6 / 9.1
REFRIGERANT TYPE	R-410a
V/ø/HZ	208/1/60
MCA / MAX FUSE	16.5 / 20

**REMARKS:**

- PROVIDE SINGLE POINT ELECTRICAL CONNECTION FOR OUTDOOR UNIT. INDOOR UNIT POWERED FROM OUTDOOR UNIT. MECHANICAL CONTRACTOR RESPONSIBLE FOR INTERLOCK WIRING.
- PROVIDE WITH (4) SETS OF FILTERS.
- PROVIDE WITH LOW AMBIENT CONTROL. INCLUDE A CRANKCASE HEATER TO ALLOW FOR OPERATION TO 10 DEG F. (FACTORY MOUNTED OR INSTALLED BY A FACTORY CERTIFIED TECHNICIAN)
- PROVIDE WITH SIGHT GLASS, EXPANSION DEVICE, LINE DRIER, SIZE LINES AND PROVIDE INTERMEDIATE TRAPS PER MANUFACTURER'S INSTRUCTIONS. SUBMIT DETAILED PIPING SCHEMATIC WITH SHOP DRAWINGS.
- PROVIDE WITH UL LISTING.

VARIABLE AIR VOLUME BOX	
SYMBOL	VAV-01
MANUFACTURER & MODEL	JCI/ETH SDK025
BOX TYPE	SINGLE INLET VAV
TOTAL APD AT MAXIMUM CFM	0.50" WG
MAXIMUM AIRFLOW	100
MINIMUM AIRFLOW	50
INLET SIZE	5"
LEAKAGE RATE AT 2.0" SP	2.0%
PRESSURE INDEPENDENT CONTROLS	YES
HOT WATER COIL	
EAT / LAT	55.0F / 130.0F
EWT / LWT	160F / 130F
FLOW (GPM) / WPD	0.4 / 0.5 FT
CAPACITY (MBH)	3.8

**REMARKS:**

- ALL BOXES SHALL BE SINGLE WALL WITH 1/2" FOIL FACED INSULATION.
- ALL HEATING COILS SHALL BE 2-ROWS.
- PROVIDE EACH BOX WITH AN INDEPENDENT CONTROLLER. NO BOX SHALL BE OPERATED BY ANOTHER CONTROLLER LOCATED ON ANOTHER BOX.
- PROVIDE BOTTOM ACCESS PANEL.

EXHAUST FANS		
SYMBOL	EF-1	EF-2
MANF. & MODEL	TWINCITY DSI-120A	TWINCITY VUCB-140
FAN LOCATION	JANITOR 131	KITCHEN ROOF (DISHWASHER EXHAUST)
TYPE	CENTRIFUGAL INLINE	CENTRIFUGAL ROOF / UPBLAST
CFM / TSP	1,700 / 0.5"	1,000 / 1.0"
DRIVE / FAN RPM	DIRECT / 1572	BELT / 1296
HP / VOLTS / PHASE / HZ	0.75 / 115/1/60	0.33 / 115/1/60
SONES	13.0	7.4

**REMARKS:**

- OUTDOOR FANS: PROVIDE WITH NEMA-3R FACTORY MOUNTED NON-FUSED DISCONNECT SWITCH.
- INDOOR FANS: PROVIDE WITH NEMA-1 FACTORY MOUNTED NON-FUSED DISCONNECT SWITCH.
- PROVIDE WITH MOTORIZED BACKDRAFT DAMPER. PROVIDE TRANSFORMER AS REQUIRED TO WIRE TO FAN MOTOR.
- FOR EF-1, PROVIDE WITH HANGING KIT WITH VIBRATION ISOLATORS.
- ROOFTOP FANS SHALL BE PROVIDED WITH EITHER AN INSULATED ROOF CURB ADAPTER OR NEW INSULATED ROOF CURB. FIELD VERIFY EXISTING CURB DIMENSIONS AND REFER TO PLANS.
- ROOFTOP FANS SHALL BE PROVIDED WITH ALUMINUM BIRD SCREENS.
- PROVIDE WITH A FACTORY MOUNTED MOTOR SPEED CONTROLLER.

ELECTRIC HEATER	
SYMBOL	EH-1
MANUF. & MODEL	MARKEL AIR CURTAIN CHTR SERIES
AIRFLOW (HIGH/LOW) (CFM)	4515/744
ELECTRICAL CONNECTION	208V / 3ø / 60 10.4 MCA / 15 MAX FUSE
TOTAL HEAT (kW)	3.0
THERMOSTAT TYPE	UNIT MOUNTED

**REMARKS:**

- PROVIDE WITH INTEGRAL POWER DISCONNECT AND SINGLE POINT CONNECTION.
- THERMAL OVERHEAT PROTECTION.
- PROVIDE WITH MANUFACTURER'S FIELD INSTALLED IN-UNIT TEMPERATURE CONTROL THERMOSTAT. SET TEMPERATURE AT 65F. PROVIDE RELAY FOR THE BAS SYSTEM. REFER TO THE CONTROLS SPECIFICATIONS FOR MORE INFORMATION.
- INTERLOCK TO DOOR FOR CONTROL OF FAN. ELECTRIC HEAT TO BE ENABLED THROUGH BAS.
- PROVIDE WITH HANGING BRACKET.

PACKAGED ROOFTOP UNIT	
SYMBOL	RTU-1
MANUF. & MODEL	DAIKIN DRC090L130C
TYPE	PACKAGED ROOFTOP UNIT WITH GAS HEAT
SUPPLY FAN CFM / ESP	3,360 / 1.0"
MINIMUM OUTSIDE AIR CFM	975 CFM
COOLING CAPACITY (78F/85F ENTERING / 95.0F AMBIENT)	
TOTAL / SENSIBLE (MBH)	87.8 / 71.6
EFFICIENCY AT STD. CONDITIONS	16 IEER / 12.2 EER
GAS HEAT (81% EFFICIENT)	
HIGH HEAT (INPUT/OUTPUT) MBH	130 / 105.3
LOW HEAT (INPUT/OUTPUT) MBH	97.5 / 79.0
ELECTRICAL CHGR.	
V/ø/HZ	208/3/60
MCA / MOP	44.9 / 50
SINGLE POINT CONNECTION	YES

**REMARKS:**

- PROVIDE UNIT WITH:
  - SINGLE POINT POWER CONNECTION WITH FUSED DISCONNECT.
  - BACNET COMMUNICATION TO BUILDING AUTOMATION SYSTEM.
  - PROVIDE WITH ECONOMIZER, POWERED EXHAUST AND CONDENSANCE OUTLET.
  - PROVIDE WITH INTEGRAL SMOKE DETECTOR.
  - UNIT TO HAVE (2) STAGES OF COOLING.
  - FACTORY STARTUP. REFER TO SPECIFICATIONS.
  - 2 YEARS PARTS AND LABOR WARRANTY ON ENTIRE UNIT FROM DATE OF SUBSTANTIAL COMPLETION OR 30 MONTHS FROM STARTUP, WHICHEVER OCCURS FIRST.
  - VIBRATION ISOLATION CURBS. COORDINATE CURBS WITH ROOF TYPE.
  - FOUR (4) COMPLETE SETS OF MERV8 FILTERS.
  - PROVIDE WITH STAINLESS STEEL DRAINPAN.

REGISTERS, GRILLES, AND DIFFUSERS						
SYMBOL	MANUFACTURER & MODEL	MATERIAL & TYPE	CFM RANGE	INLET DUCT SIZE	FACE SIZE	NECK SIZE
S-1	TITUS OMN AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	0-100	6ø	18X18	6ø
S-2	TITUS OMN AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	101-225	8ø	18X18	8ø
S-3	TITUS OMN AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	226-375	10ø	18X18	10ø
S-4	TITUS 300FS	EXTRUDED ALUMINUM DOUBLE DEFLECTION 3/4" SPACING	0-150	10X4	12X6	10X4
E / R-1	TITUS 50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	0-100	6ø	12X12	10X10
E / R-2	TITUS 50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	101-225	8ø	14X14	12X12
E / R-3	TITUS 50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	226-350	10ø	16X16	14X14
E / R-4	TITUS 50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	351-600	12ø	18X18	16X16
E / R-5	TITUS 50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	601-1000	14ø	24X24	24X24
R-6/-6A	TITUS 50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	0 - 600	12ø	24X24 12X12 (A)	24X24 12X12 (A)

**REMARKS: (APPLICABLE TO ALL CEILING DEVICES):**

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LAY-IN, SURFACE MOUNTED OR EXPOSED DEVICE. PROVIDE FILLER PANELS AS REQUIRED.
- ALL PANELS TO BE 24"X24" ALUMINUM PANEL. COLOR TO MATCH CEILING.
- ALL CEILING DEVICE COLOR TO MATCH CEILING.
- PROVIDE MOLDED INSULATION BLANKET FOR ALL SUPPLY GRILLES.
- PROVIDE WITH ROUND DUCT TRANSITION AS REQUIRED.
- ALL SIDEWALL OR DUCT-MOUNTED GRILLES SHALL BE PROVIDED WITH OPPOSED BLADE VOLUME DAMPERS.
- IF NOTED WITH "F" GRILLE SHALL BE A FILTER RETURN GRILLE. PROVIDE WITH (3) SETS OF EXTRA FILTERS.
- R-6 GRILLES ARE TO BE USED FOR PLENUM RETURN. REFER TO DETAIL.
- RETURN AND EXHAUST GRILLES WITH -A SHALL BE PLANES IN A 12"X12" ALUMINUM PANEL. COLOR TO MATCH CEILING.

VARIABLE REFRIGERANT VOLUME - INDOOR UNIT SCHEDULE																		
TAG	BASIS OF DESIGN (DAIKIN)	NOMINAL TONNAGE	TYPE	CONNECTED TO:		SUPPLY FAN AIR FLOW RATE cfm	COOLING CAPACITY		HEATING CAPACITY		ELECTRICAL		DIMENSIONS	WEIGHT	Options and Accessories			
				CONDENSING UNIT	ZONE CHANGEOVER DEVICE		TOTAL BTU/h	SENSIBLE BTU/h	ENTERING AIR °F DB / °F WB	TOTAL BTU/h	ENTERING AIR °Fdb	POWER SUPPLY Voltage - Phase				Min Circuit Amps MCA	Max Overcurrent Protection MOP	WxHxD inch
AC-1	FXZQ12TBVUJ	1.0	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	Outdoor Unit	No	353	10,463	6,335	72.0	63.0	13,990	68.0	208-230V 1ph	0.4	15.0	22.6 x 10.2 x 22.6	36.4	BRC1E73 (1), BYFG60C3W2W (1)
AC-2	FXZQ07TBVUJ	0.6	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	Outdoor Unit	No	307	6,596	4,473	72.0	63.0	8,872	68.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3	BRC1E73 (1), BYFG60C3W2W (1)
AC-3	FXZQ07TBVUJ	0.6	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	Outdoor Unit	No	307	6,596	4,473	72.0	63.0	8,872	68.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3	BRC1E73 (1), BYFG60C3W2W (1)
AC-4	FXZQ07TBVUJ	0.6	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	Outdoor Unit	No	307	6,596	4,473	72.0	63.0	8,872	68.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3	BRC1E73 (1), BYFG60C3W2W (1)
AC-5	FXZQ07TBVUJ	0.6	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	Outdoor Unit	No	307	6,596	4,473	72.0	63.0	8,872	68.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3	BRC1E73 (1), BYFG60C3W2W (1)
AC-6	FXZQ07TBVUJ	0.6	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	Outdoor Unit	No	307	6,596	4,473	72.0	63.0	8,872	68.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3	BRC1E73 (1), BYFG60C3W2W (1)

VARIABLE REFRIGERANT VOLUME - AIR-COOLED CONDENSING UNIT SCHEDULE																										
TAG: ROOM	BASIS OF DESIGN (DAIKIN)	NOMINAL TONNAGE	DESCRIPTION	COOLING CAPACITY		HEATING CAPACITY		REFRIGERANT CHARGE		CONNECTION RATIO (%)	VOLTAGE-PHASE	ELECTRICAL						DIMENSIONS		EFFICIENCY (NonDucted/Ducted or Specific Combo)						
				BTU/h	AMBIENT DESIGN °F DB	BTU/h	AMBIENT DESIGN °F DB / °F WB	Factory Charge (lbs)	Add'l Refrigerant (lbs)			MIN CIRCUIT AMPS (MCA)	MAX OVERCURRENT PROTECTION (MOP)	RUNNING CURRENT(RLA)		WxHxD (Inch)	WEIGHT (lbs)	EER	IEER	COF47	COF17	SCH	SEER	HSPF		
HP-1	RXTQ8TAVUJ	4	Air cooled heat pump (1) 43,844	95.0	36,781	5.0 / 3.0	7.5	1.8	103.1	208-230V 1ph	29.1	29.1	35.0	35.0	19.0	19.0	37.0 x 39.0 x 12.6	176.4	10.3 / 9.4	n/a / n/a	n/a / n/a	n/a / n/a	n/a / n/a	n/a	18 / 16	10 / 9

**Schedule Notes:**

- Manufacturer must be certified, listed, and labeled per AHRI 1230.
- System rating data based on design ambient conditions for cooling and for heating.
- Submitted performance data must be fully der-rated for all components and accessories, including but not limited to, line length, vertical separation, connection ratio, design conditions, condenser coil coating.
- Condensing units must have fully modulating INVERTER compressors.
- Condensing units must have auto changeover functions
- Demand limiting relay contact must be provided.
- EDV actuators must be removable from valve body without disturbing the refrigerant system.
- FCU thermostats must provide +/- 1 degree dead-band set-point and control capability.
- System shall be provided with i-Touch Manager controller with WEB based software for displaying up to 8 DII-Net systems with 128 indoor units per system PC by others.
- Manufacturers submittal must include refrigerant piping diagram with pipe diameters, lengths, and refrigerant volume.
- Substitute manufacturer shall be responsible for additional piping and refrigerant.
- Contractor to verify spig dimensions.
- Installing contractor must have successfully completed manufacturers certified installation class within past 36 months.
- Contractor to furnish and install insulation on refrigerant piping.
- Manufacturers Representative must have local stock of parts and factory certified technician on staff.
- Manufacturers Representative shall provide proof of ongoing installation training at their local facility for at least the past 5 years.
- Manufacturers Representative shall provide proof of continuous sales and support of their products for at least 15 years.
- Mechanical contractor shall be responsible for all direct costs and operating costs increases for 20 years associated with any deviations resulting from changes in design.
- Manufacturer must provide 10 years parts warranty on all FCUs, Condensing Units, and Mode Changeover Devices. Warranty conditions must be clarified during submittal phase.
- 3-phase Air cooled condensing units must have published performance data with 200% indoor connected capacity.
- Condensing units must be furnished with protective coil coating to withstand ASTM B117 salt spray test for a minimum of 3000 hours. Performance of system must be de-rated for coil coating.
- Manufacturer must provide 10 years parts warranty on all FCUs and Condensing Units. Warranty conditions must be clarified during submittal phase.
- Manufacturer must certify and submit system performance at extreme conditions of 122 degrees FDB ambient in cooling mode and -4 degrees FWB in heating mode.

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



SHEET TITLE  
MECHANICAL SCHEDULES

SHEET NUMBER  
M500

DATE  
APRIL 3, 2024

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS

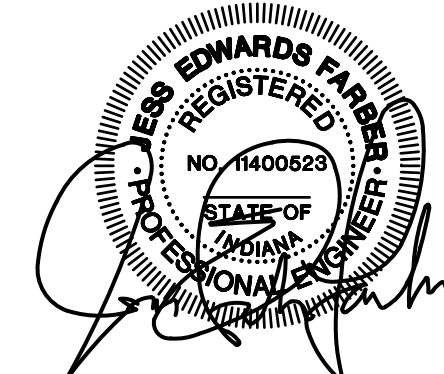
1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL

2024 ADDITIONS AND  
RENOVATIONS

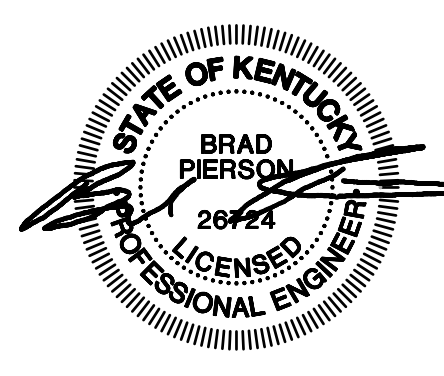
ISSUED FOR  
Public Bidding

DATE  
04-03-2024



**TowerPinkster**  
Architecture-Engineering-Interiors  
© 2024. ALL RIGHTS RESERVED.  
TOWERPINKSTER.COM





ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITIONS AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

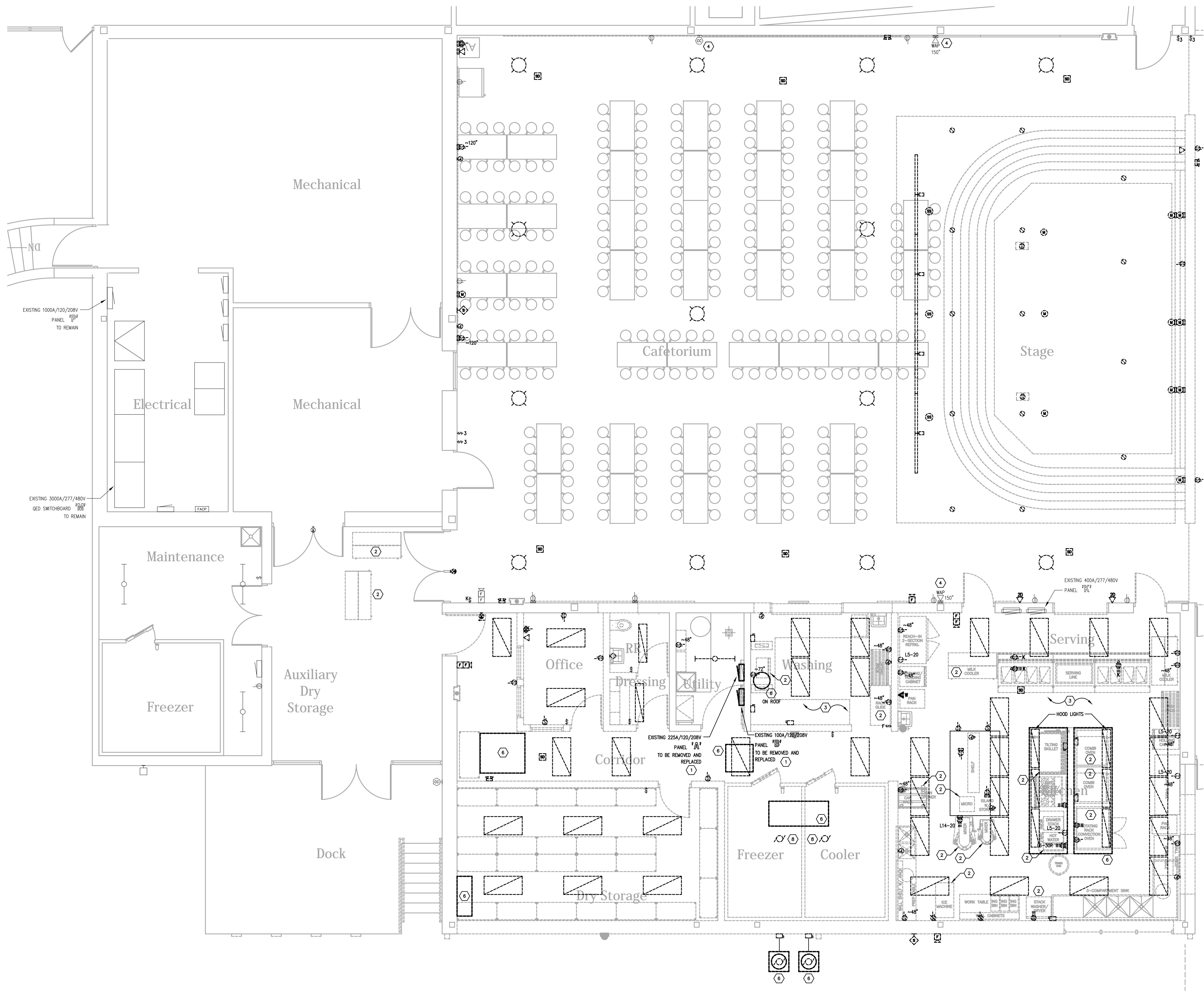
SHEET TITLE  
PARTIAL FIRST FLOOR PLAN -  
ELECTRICAL DEMOLITION - AREA A  
SHEET NUMBER  
E200A  
DATE  
APRIL 3, 2024

**GENERAL DEMOLITION NOTES :**

- DOTTED LINES INDICATE ITEMS FOR REMOVAL (U.O.N.) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- LOCATIONS OF DEVICES, CONNECTIONS, ETC. INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (U.O.N.). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILING WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILING AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILING SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION. PROVIDE NEW PANEL BOARD LABEL PER DETAIL.
- ALL ABANDONED CABLEING ABOVE CEILING SHALL BE REMOVED. PROVIDE NEW J-HOOK SUPPORTS FOR EXISTING UN-SUPPORTED CABLEING TO REMAIN. COORDINATE WITH OWNER PRIOR TO DEMOLITION TO IDENTIFY EXISTING CABLEING TO REMAIN.
- RELOCATE JUNCTION BOXES AND OTHER EXISTING ITEMS REQUIRING ACCESS TO ACCESSIBLE LOCATIONS WHERE NEW WORK BY ANY TRADE WOULD MAKE SUCH ITEMS INACCESSIBLE.
- LARGE EXISTING RECESSED DEVICES INDICATED AS DEMOLISHED (CLOCKS, EXIT SIGNS, SPEAKERS) SHALL BE PROVIDED WITH A BLANK COVER PLATE PAINTED TO MATCH. WHERE STUB OUT TURNS INTO EXPOSED FINISHED SPACE RACEWAYS SHALL BE SEALED FLUSH WITH WALL.
- EXISTING KETS COMPUTER DATA AND POWER BELOW CEILING, SURFACE BACKBOXES AND RACEWAYS ARE TO REMAIN FOR FUTURE USE (U.O.N.) AND BE REUSED. WHERE UNUSED; IN CONFLICT W/ NEW WORK, CONTRACTOR SHALL REMOVE. PROVIDE SS BLANK COVERPLATE FOR EXISTING BOXES. EXISTING LOW VOLTAGE CABLEING SHALL BE COMPLETELY REMOVED IN ALL LOCATIONS.
- CONTRACTOR SHALL RE-WORK ANY EXISTING TO REMAIN CONDUITS OR WALL PENETRATIONS WHERE CONFLICTING WITH NEW MAIN DUCTWORK ROUTING. REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF DUCTWORK AND PIPING.
- EXISTING SPLINE CEILING DEMOLISHED IN MANY LOCATIONS. CONTRACTOR SHALL RESUPPORT EXISTING TO REMAIN CONDUITS. CONTRACTOR SHALL SUPPORT UNSUPPORTED CONDUITS ABOVE CEILING. PROVIDE ALL TIE-RODS FROM STRUCTURE WITH CONDUIT HANGERS/STRAPS PER PER NEC 2017.
- EXISTING CABLEING PATHS TO BE REMOVED BACK TO SOURCE AND REPLACED WITH NEW J-HOOK PATHWAYS PER DETAIL. ALL LOW VOLTAGE CABLEING SHALL BE SUPPORTED.
- PROVIDE NEW MOUNTING BRACKETS FOR ALL REINSTALLED TVS.
- ALL RECEPTACLES SHOWN AS EXISTING TO REMAIN SHALL BE REPLACED IN PLACE WITH NEW TAMPER RESISTANT DEVICE. EXISTING WIRING SHALL BE REUSED UNLESS NOTED OTHERWISE.

**TAGGED NOTES :**

- EXISTING PANEL INDICATED SHALL BE REMOVED AND REPLACED. CONTRACTOR SHALL REWORK EXISTING REMAINING BRANCH CIRCUITS TO NEW PANEL AND PROVIDE NEW BRANCH BREAKERS TO MATCH EXISTING. REFER TO PANEL REPLACEMENT/RELOCATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- EXISTING KITCHEN EQUIPMENT INDICATED TO BE SALVAGED AND REINSTALLED IN NEW KITCHEN. CONTRACTOR SHALL INTERCEPT AND EXTEND EXISTING CIRCUIT TO NEW LOCATION WHERE POSSIBLE. RACEWAYS SHALL BE RE-SUPPORTED AS REQUIRED TO COMPLY WITH NFPA 70.
- EXISTING KITCHEN EQUIPMENT NOT INDICATED WITH A KEYNOTE TO BE REMOVED, PROTECTED DURING CONSTRUCTION AND RETURNED TO OWNER.
- REMOVE AND REINSTALL EXISTING ELECTRICAL DEVICE INDICATED. FIELD VERIFY EXACT CONDITIONS.
- EXISTING ELECTRICAL DEVICE INDICATED SHALL BE REMOVED AND RELOCATED. SEE NEW POWER/SYSTEMS PLANS FOR NEW LOCATION.
- ALL EXISTING MECHANICAL EQUIPMENT AND ALL ASSOCIATED DEVICES, CONDUIT, FEEDERS, DISCONNECTING MEANS, ETC. TO BE REMOVED. COMPLETELY BACK TO SOURCE AS INDICATED. COORDINATE EXACT REQUIREMENTS, LOCATIONS, ETC. WITH MECHANICAL CONTRACTOR.
- EXISTING LIGHT FIXTURE TO BE REMOVED AND REINSTALLED IN EXISTING CEILING. REFER TO NEW LIGHTING PLAN FOR NEW LOCATION.
- COMPRESSORS FOR EXISTING COOLER AND FREEZER TO BE REMOVED AND REINSTALLED ONTO NEW ROOF. REFER TO POWER/SYSTEMS PLANS FOR NEW LOCATIONS.
- EXISTING INTERCOM SYSTEM SHALL REMAIN AT LOCATION INDICATED AS PART OF BASE BID. CONTRACTOR SHALL REMOVE EXISTING DEVICES AND CABLEING WHERE INDICATED ON PLANS AND REPLACE WITH NEW AS PART OF BASE BID. CONTRACTOR SHALL PROVIDE NEW CABLEING BACK TO EXISTING INTERCOM RACK WITH LENGTH TO BE EXTENDED TO OF BACK LOCATED IN STORAGE 127 AS PART OF FUTURE INTERCOM UPGRADE. ALTERNATE PRICE SHALL REMOVE ALL NEW INTERCOM SCOPE FOR A BUILDING-WIDE INTERCOM UPGRADE THAT WOULD BE PART OF A SEPARATE CONTRACT. ALL DEMOLITION SCOPE WOULD REMAIN IN THIS CONTRACT.
- EXISTING CABINET HEATER TO BE REMOVED AND REINSTALLED IN PLACE. PRESERVE EXISTING ELECTRICAL CONNECTIONS AND RECONNECT. COORDINATE EXACT REQUIREMENTS, LOCATIONS, ETC. WITH MECHANICAL CONTRACTOR.

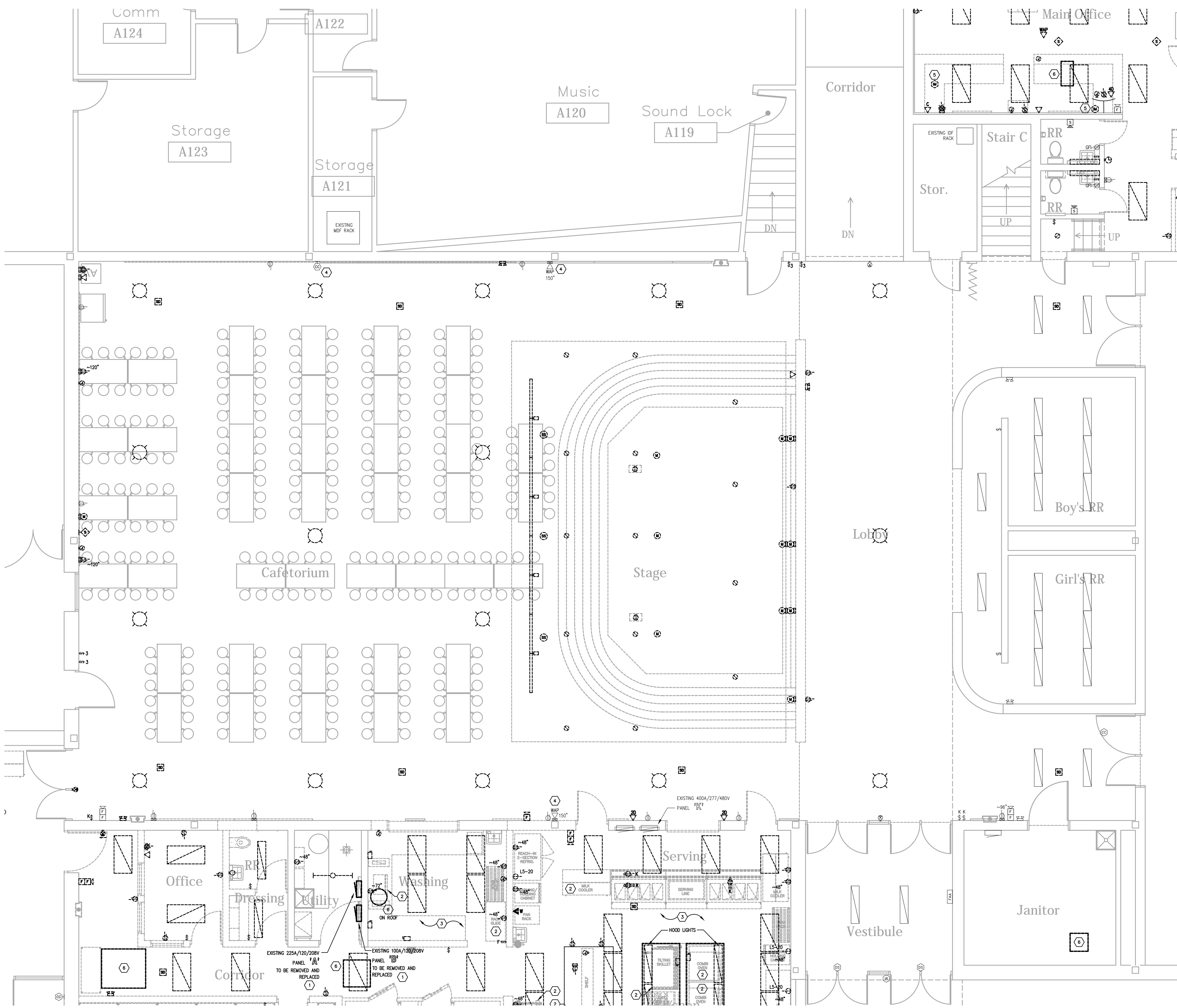


**PARTIAL FIRST FLOOR PLAN - ELECTRICAL DEMOLITION - AREA A**  
SCALE: 1/4" = 1'-0" 1  
E200A

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any show numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**Key Plan**

**CMTA**  
A L.L. BECKETT Company  
10411 Meeting Street,  
Prospect, Kentucky 40059  
502.326.3085 | 502.326.2691  
www.cmta.com



**GENERAL DEMOLITION NOTES :**

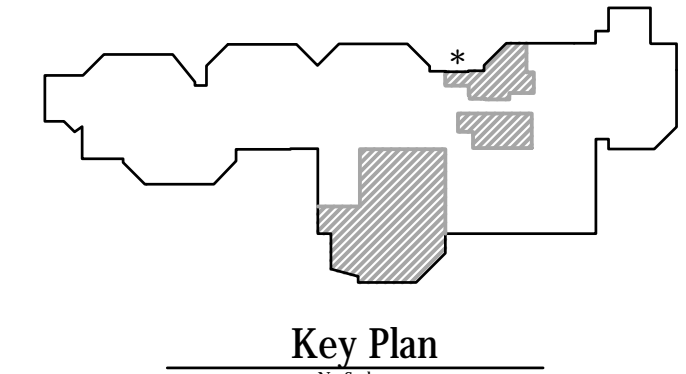
- A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (U.O.N.) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "TREE" DEMOLITION "WORKING ORDER". "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- C. LOCATIONS OF DEVICES, CONNECTIONS, ETC. INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGNOSTIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPRIETARY TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (U.O.N.). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- E. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- H. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- I. UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- J. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- K. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURERS AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- L. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION. PROVIDE NEW PANEL BOARD LABEL PER DETAIL.
- M. ALL ABANDONED CABLING ABOVE CEILING SHALL BE REMOVED. PROVIDE NEW J-HOOK SUPPORTS FOR EXISTING UN-SUPPORTED CABLING TO REMAIN. COORDINATE WITH OWNER PRIOR TO DEMOLITION TO IDENTIFY EXISTING CABLING TO REMAIN.
- N. RELOCATE JUNCTION BOXES AND OTHER EXISTING ITEMS REQUIRING ACCESS TO ACCESSIBLE LOCATIONS WHERE NEW WORK BY ANY TRADE WOULD MAKE SUCH ITEMS UNACCESSIBLE.
- O. LARGE EXISTING RECESSED DEVICES INDICATED AS DEMOLISHED (CLOCKS, EXIT SIGNS, SPEAKERS) SHALL BE PROVIDED WITH A BLANK COVER PLATE PAINTED TO MATCH. WHERE STUB OUT TURNS INTO EXPOSED FINISHED SPACE RACEWAYS SHALL BE SEALED FLUSH WITH WALL.
- P. EXISTING KETS COMPUTER DATA AND POWER BELOW CEILING, SURFACE BACKBOXES AND RACEWAYS ARE TO REMAIN FOR FUTURE USE WHERE POSSIBLE. U.O.N. AND BE REUSED. WHERE UNREUSED IN CONFLICT W/ NEW WORK, CONTRACTOR SHALL REMOVE - PROVIDE SS BLANK COVERPLATE FOR EXISTING BOXES. EXISTING LOW VOLTAGE CABLING SHALL BE COMPLETELY REMOVED IN ALL LOCATIONS.
- Q. CONTRACTOR SHALL RE-WORK ANY EXISTING TO REMAIN CONDUITS OR WALL PENETRATIONS WHERE CONFLICTING WITH NEW MAIN DUCTWORK ROUTING. REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF DUCTWORK AND PIPING.
- R. EXISTING SPLINE CEILING DEMOLISHED IN MANY LOCATIONS. CONTRACTOR SHALL RE-SUPPORT EXISTING TO REMAIN CONDUITS. CONTRACTOR SHALL SUPPORT UNSUPPORTED CONDUITS ABOVE CEILING. PROVIDE ALL TIE RODS FROM STRUCTURE WITH CONDUIT HANGERS/STRAPS PER NEC 2017.
- S. EXISTING CABLING PATHS TO BE REMOVED BACK TO SOURCE AND REPLACED WITH NEW J-HOOK PATHWAYS PER DETAIL. ALL LOW VOLTAGE CABLING SHALL BE SUPPORTED.
- T. PROVIDE NEW MOUNTING BRACKETS FOR ALL REINSTALLED TVS.
- U. ALL RECEPTACLES SHOWN AS EXISTING TO REMAIN SHALL BE REPLACED IN PLACE WITH NEW TAMPER RESISTANT DEVICE. EXISTING WIRING SHALL BE REUSED UNLESS NOTED OTHERWISE.

**TAGGED NOTES :**

- 1. EXISTING PANEL INDICATED SHALL BE REMOVED AND REPLACED. CONTRACTOR SHALL REMOVE EXISTING REMAINING BRANCH CIRCUITS TO NEW PANEL AND PROVIDE NEW BRANCH BREAKERS TO MATCH EXISTING. REFER TO PANEL REPLACEMENT/RELOCATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- 2. EXISTING KITCHEN EQUIPMENT INDICATED TO BE SALVAGED AND REINSTALLED IN NEW KITCHEN. CONTRACTOR SHALL INTERCEPT AND EXTEND EXISTING CIRCUIT TO NEW LOCATION WHERE POSSIBLE. RACEWAYS SHALL BE RE-SUPPORTED AS REQUIRED TO COMPLY WITH NFPA 70.
- 3. EXISTING KITCHEN EQUIPMENT NOT INDICATED WITH A KEYNOTE TO BE REMOVED, PROTECTED DURING CONSTRUCTION AND RETURNED TO OWNER.
- 4. REMOVE AND REINSTALL EXISTING ELECTRICAL DEVICE INDICATED. FIELD VERIFY EXACT CONDITIONS.
- 5. EXISTING ELECTRICAL DEVICE INDICATED SHALL BE REMOVED AND RELOCATED. SEE NEW POWER/SYSTEMS PLANS FOR NEW LOCATION.
- 6. ALL EXISTING MECHANICAL EQUIPMENT AND ALL ASSOCIATED DEVICES, CONDUIT, FEEDERS, DISCONNECTING MEANS, ETC. TO BE REMOVED. COMPLETELY BACK TO SOURCE AS INDICATED. COORDINATE EXACT REQUIREMENTS, LOCATIONS, ETC. WITH MECHANICAL CONTRACTOR.
- 7. EXISTING LIGHT FIXTURE TO BE REMOVED AND REINSTALLED IN EXISTING CEILING REFER TO NEW LIGHTING PLAN FOR NEW LOCATION.
- 8. COMPRESSORS FOR EXISTING COOLER AND FREEZER TO BE REMOVED AND REINSTALLED ONTO NEW ROOF. REFER TO POWER/SYSTEMS PLANS FOR NEW LOCATIONS.
- 9. EXISTING INTERCOM SYSTEM SHALL REMAIN AT LOCATION INDICATED AS PART OF BASE BID. CONTRACTOR SHALL REMOVE EXISTING DEVICES AND CABLING WHERE INDICATED ON PLANS AND REPLACE WITH NEW AS PART OF BASE BID. CONTRACTOR SHALL PROVIDE NEW CABLING BACK TO EXISTING INTERCOM RACK WITH LENGTH TO BE EXTENDED TO BEYOND RACK LOCATED IN STORAGE 127 AS PART OF FUTURE INTERCOM UPGRADE. ALTERNATE PRICE SHALL REMOVE ALL NEW INTERCOM SCOPE FOR A BUILDING-WIDE INTERCOM UPGRADE THAT WOULD BE PART OF A SEPARATE CONTRACT. ALL DEMOLITION SCOPE WOULD REMAIN IN THIS CONTRACT.
- 10. EXISTING CABINET HEATER TO BE REMOVED AND REINSTALLED IN PLACE. PRESERVE EXISTING ELECTRICAL CONNECTIONS AND RECONNECT. COORDINATE EXACT REQUIREMENTS, LOCATIONS, ETC. WITH MECHANICAL CONTRACTOR.

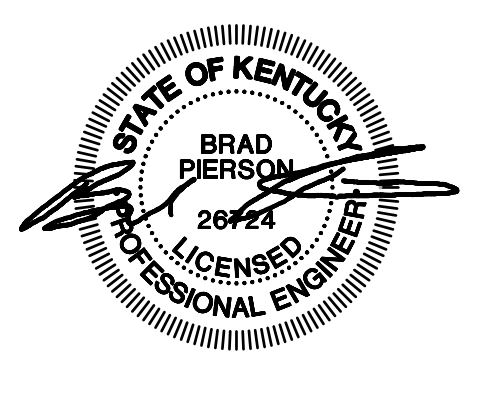
**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any show numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**PARTIAL FIRST FLOOR PLAN - ELECTRICAL DEMOLITION - AREA B**  
 SCALE: 1/4" = 1'-0"  
 1 E200B



**CMTA**  
 A L... Company  
 10411 Meeting Street,  
 Prospect, Kentucky 40059  
 502.326.3085 f.502.326.2691  
 www.cmta.com

**TowerPinkster**  
 Architecture - Engineering - Interiors  
 © 2024. ALL RIGHTS RESERVED.

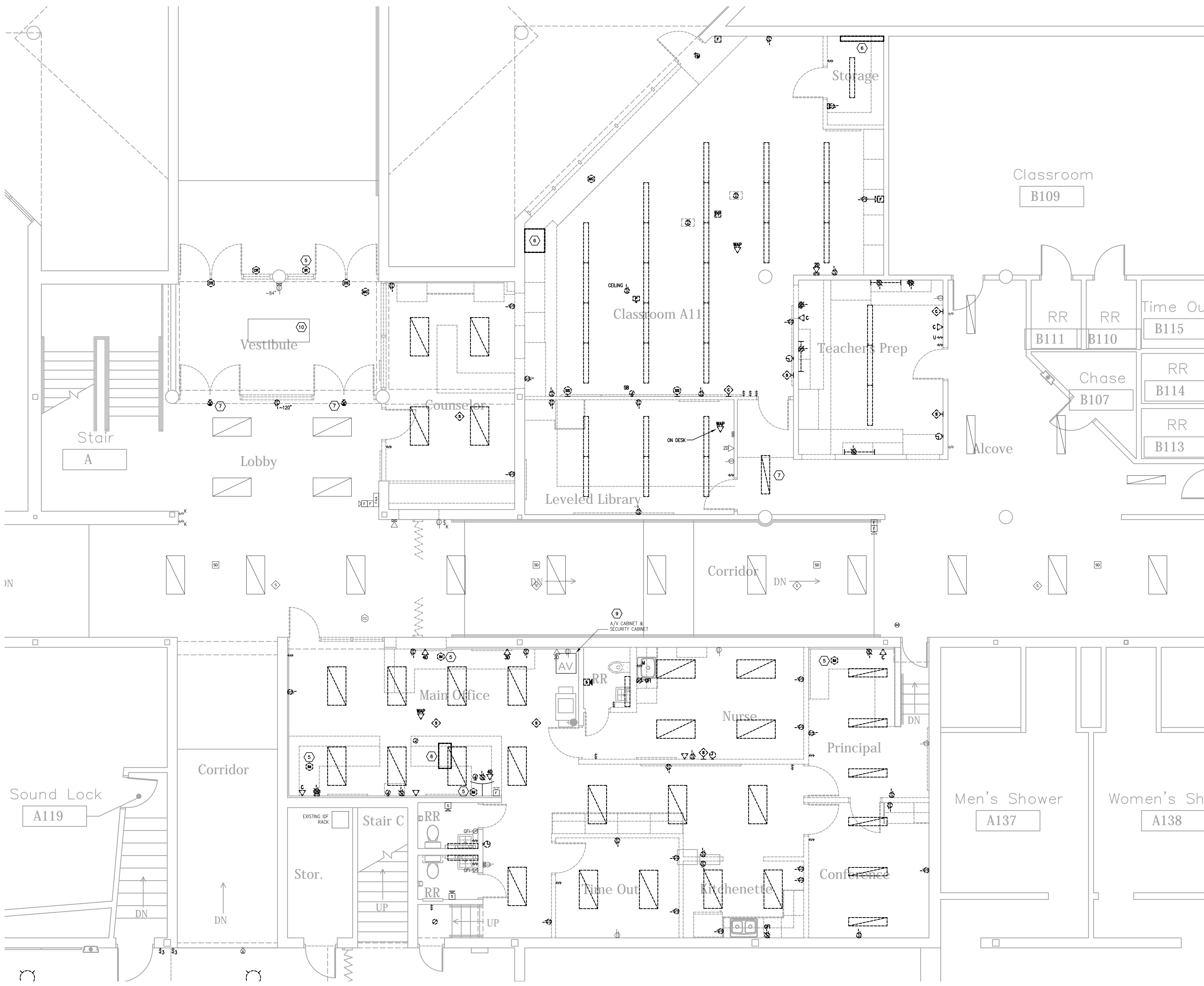


ISSUED FOR DATE  
 Public Bidding 04-03-2024

PROJECT TITLE  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITIONS AND  
 RENOVATIONS

OWNER  
 NORTH HARRISON  
 COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, IN 47166

SHEET TITLE  
 PARTIAL FIRST FLOOR PLAN -  
 ELECTRICAL DEMOLITION - AREA B  
 SHEET NUMBER  
**E200B**  
 DATE  
 APRIL 3, 2024



**GENERAL DEMOLITION NOTES :**

- A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (U.O.N) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS : THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUIT SHALL REMAIN IN "TREE" DEMOLITION "WORKING ORDER". "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- C. LOCATIONS OF DEVICES, CONNECTIONS, ETC. INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (U.O.N). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- E. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- H. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- I. UNUSED/ABANDONED CONDUITS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- J. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- K. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- L. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION. PROVIDE NEW PANEL BOARD LABEL PER DETAIL.
- M. ALL ABANDONED CABLING ABOVE CEILING SHALL BE REMOVED. PROVIDE NEW J-HOOK SUPPORTS FOR EXISTING UN-SUPPORTED CABLING TO REMAIN. COORDINATE WITH OWNER PRIOR TO DEMOLITION TO IDENTIFY EXISTING CABLING TO REMAIN.
- N. RELOCATE JUNCTION BOXES AND OTHER EXISTING ITEMS REQUIRING ACCESS TO ACCESSIBLE LOCATIONS WHERE NEW WORK BY ANY TRADE WOULD MAKE SUCH ITEMS UNACCESSIBLE.
- O. LARGE EXISTING RECESSED DEVICES INDICATED AS DEMOLISHED (CLOCKS, EXIT SIGNS, SPEAKERS) SHALL BE PROVIDED WITH A BLANK COVER PLATE PAINTED TO MATCH. WHERE STUB OUT TURNS INTO EXPOSED FINISHED SPACE RACEWAYS SHALL BE SEALED FLUSH WITH WALL.
- P. EXISTING KETS COMPUTER DATA AND POWER BELOW CEILING, SURFACE BACKBOXES AND RACEWAYS ARE TO REMAIN FOR FUTURE USE WHERE POSSIBLE. U.O.N AND BE REUSED. WHERE UNUSED: IN CONFLICT W/ NEW WORK, CONTRACTOR SHALL REMOVE - PROVIDE SS BLANK COVERPLATE FOR EXISTING BOXES. EXISTING LOW VOLTAGE CABLING SHALL BE COMPLETELY REMOVED IN ALL LOCATIONS.
- Q. CONTRACTOR SHALL RE-WORK ANY EXISTING TO REMAIN CONDUITS OR WALL PENETRATIONS WHERE CONFLICTING WITH NEW MAIN DUCTWORK ROUTING. REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF DUCTWORK AND PIPING.
- R. EXISTING SPLINE CEILINGS DEMOLISHED IN MANY LOCATIONS. CONTRACTOR SHALL RESUPPORT EXISTING TO REMAIN CONDUITS. CONTRACTOR SHALL SUPPORT UNSUPPORTED CONDUITS ABOVE CEILING. PROVIDE ALL TIEBACK RISERS FROM STRUCTURE WITH CONDUIT HANGERS/STRAPS PER NEC 2017.
- S. EXISTING CABLING PATHS TO BE REMOVED BACK TO SOURCE AND REPLACED WITH NEW J-HOOK PATHWAYS PER DETAIL. ALL LOW VOLTAGE CABLING SHALL BE SUPPORTED.
- T. PROVIDE NEW MOUNTING BRACKETS FOR ALL REINSTALLED TVS.
- U. ALL RECEPTACLES SHOWN AS EXISTING TO REMAIN SHALL BE REPLACED IN PLACE WITH NEW TAMPER RESISTANT DEVICE. EXISTING WIRING SHALL BE REUSED UNLESS NOTED OTHERWISE.

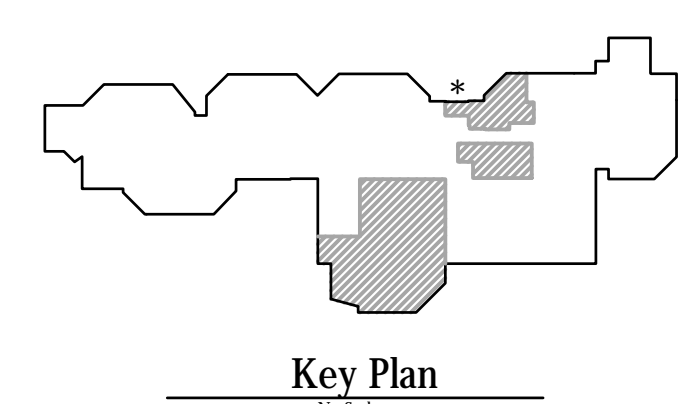
**TAGGED NOTES :**

- 1. EXISTING PANEL INDICATED SHALL BE REMOVED AND REPLACED. CONTRACTOR SHALL REWORK EXISTING REMAINING BRANCH CIRCUITS TO NEW PANEL AND PROVIDE NEW BRANCH BREAKERS TO MATCH EXISTING. REFER TO PANEL REPLACEMENT/RELOCATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- 2. EXISTING KITCHEN EQUIPMENT INDICATED TO BE SALVAGED AND REINSTALLED IN NEW KITCHEN. CONTRACTOR SHALL INTERCEPT AND EXTEND EXISTING CIRCUIT TO NEW LOCATION WHERE POSSIBLE. RACEWAYS SHALL BE RE-SUPPORTED AS REQUIRED TO COMPLY WITH NFPA 70.
- 3. EXISTING KITCHEN EQUIPMENT NOT INDICATED WITH A KEYNOTE TO BE REMOVED, PROTECTED DURING CONSTRUCTION AND RETURNED TO OWNER.
- 4. REMOVE AND REINSTALL EXISTING ELECTRICAL DEVICE INDICATED. FIELD VERIFY EXACT CONDITIONS.
- 5. EXISTING ELECTRICAL DEVICE INDICATED SHALL BE REMOVED AND RELOCATED. SEE NEW POWER/SYSTEMS PLANS FOR NEW LOCATION.
- 6. ALL EXISTING MECHANICAL EQUIPMENT AND ALL ASSOCIATED DEVICES, CONDUIT, FEEDERS, DISCONNECTING MEANS, ETC. TO BE REMOVED. COMPLETELY BACK TO SOURCE AS INDICATED. COORDINATE EXACT REQUIREMENTS, LOCATIONS, ETC. WITH MECHANICAL CONTRACTOR.
- 7. EXISTING LIGHT FIXTURE TO BE REMOVED AND REINSTALLED IN EXISTING CEILING REFER TO NEW LIGHTING PLAN FOR NEW LOCATION.
- 8. COMPRESSORS FOR EXISTING COOLER AND FREEZER TO BE REMOVED AND REINSTALLED ONTO NEW ROOF. REFER TO POWER/SYSTEMS PLANS FOR NEW LOCATIONS.
- 9. EXISTING INTERCOM SYSTEM SHALL REMAIN AT LOCATION INDICATED AS PART OF BASE BID. CONTRACTOR SHALL REMOVE EXISTING DEVICES AND CABLING WHERE INDICATED ON PLANS AND REPLACE WITH NEW AS PART OF BASE BID. CONTRACTOR SHALL PROVIDE NEW CABLING BACK TO EXISTING INTERCOM RACK WITH LENGTH TO BE EXTENDED TO BEYOND RACK LOCATED IN STORAGE 127 AS PART OF FUTURE INTERCOM UPGRADE. ALTERNATE PRICE SHALL REMOVE ALL NEW INTERCOM SCOPE FOR A BUILDING-WIDE INTERCOM UPGRADE THAT WOULD BE PART OF A SEPARATE CONTRACT. ALL DEMOLITION SCOPE WOULD REMAIN IN THIS CONTRACT.
- 10. EXISTING CABINET HEATER TO BE REMOVED AND REINSTALLED IN PLACE. PRESERVE EXISTING ELECTRICAL CONNECTIONS AND RECONNECT. COORDINATE EXACT REQUIREMENTS, LOCATIONS, ETC. WITH MECHANICAL CONTRACTOR.

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any show numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**PARTIAL FIRST FLOOR PLAN - ELECTRICAL DEMOLITION - AREA C**  
 SCALE: 1/4" = 1'-0"

1  
 E200C



**CMTA**  
 A L... Company  
 10411 Meeting Street,  
 Prospect, Kentucky 40059  
 502.326.3085 f.502.326.2891  
 www.cmta.com

**TowerPinkster**  
 Architecture - Engineering - Interiors  
 © 2023. ALL RIGHTS RESERVED.

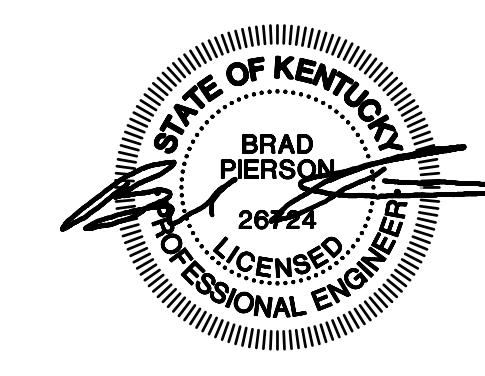


ISSUED FOR: Public Bidding  
 DATE: 04-03-2024

PROJECT TITLE  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITIONS AND  
 RENOVATIONS

OWNER  
 NORTH HARRISON  
 COMMUNITY SCHOOLS  
 1115 W WHISKEY RUN RD. NW  
 RAMSEY, IN 47166

SHEET TITLE  
 PARTIAL FIRST FLOOR PLAN -  
 ELECTRICAL DEMOLITION - AREA C  
 SHEET NUMBER  
**E200C**  
 DATE  
 APRIL 3, 2024



ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
**NORTH HARRISON  
ELEMENTARY SCHOOL**

OWNER  
**NORTH HARRISON  
COMMUNITY SCHOOLS**

1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

SHEET TITLE  
**PARTIAL FIRST FLOOR PLAN -  
LIGHTING - AREA A**

SHEET NUMBER  
**E300A**

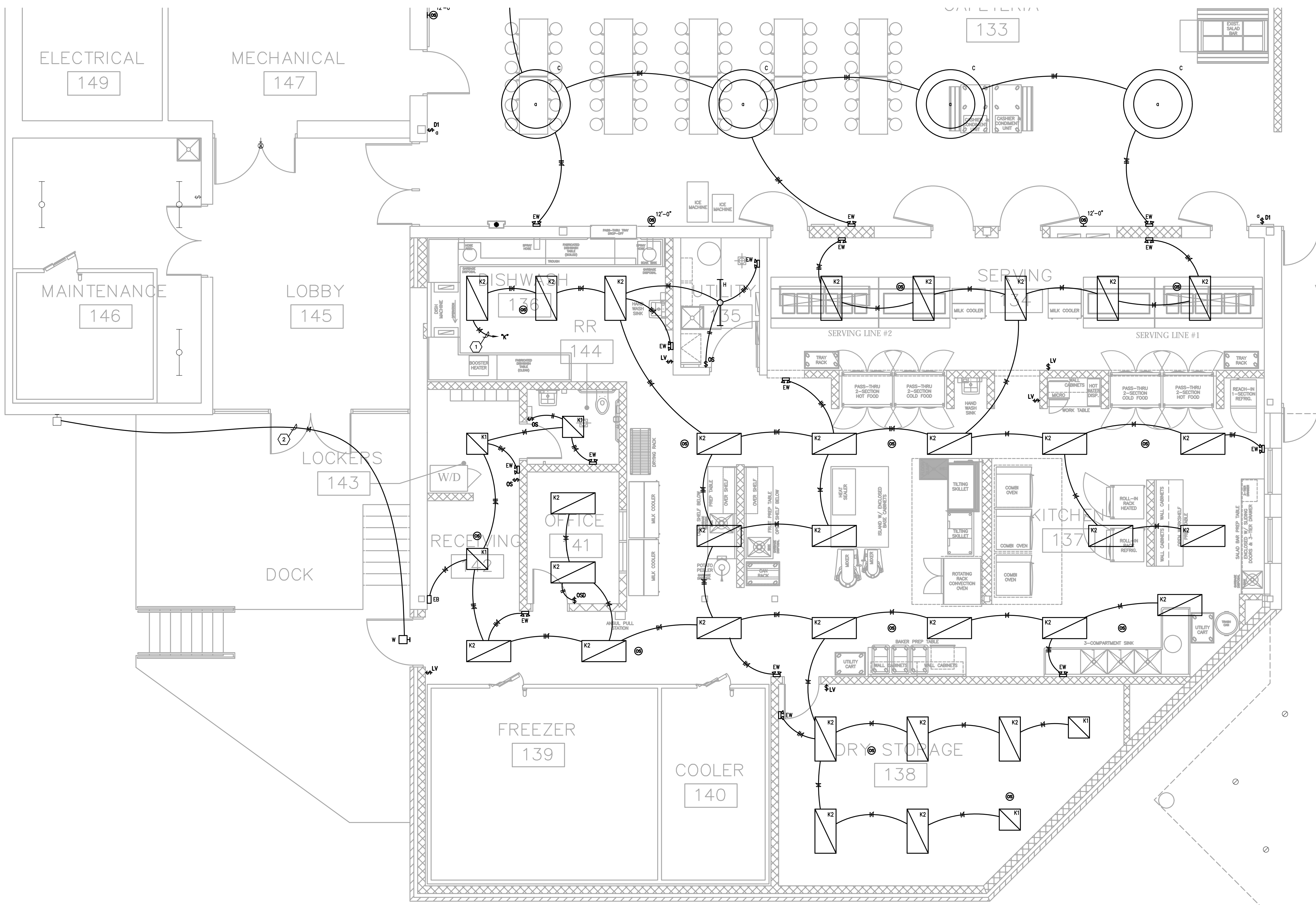
DATE  
APRIL 3, 2024

**GENERAL NEW WORK NOTES (LIGHTING):**

- A. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PUSH-OUT" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- B. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES ETC. REFER ALSO TO THE ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF LIGHT FIXTURES. ETC. NOTIFY THE ENGINEER OF DISCREPANCY BETWEEN BOTH FOR RULING.
- C. ALL NEW WIRING SHALL BE #12 WITH A #12 INSULATED GROUND WIRE (I.O.N.). CONDUIT SHALL BE 3/4" MINIMUM.
- D. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(2), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIPLE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- E. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED. THE CONTRACTOR SHALL USE THE EXISTING CORRIDOR LIGHT FIXTURES FOR TEMPORARY LIGHTING WHERE POSSIBLE.
- F. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. ALSO, MARK INSIDES OF ALL JUNCTION BOX COVERS WITH PANEL AND CIRCUIT NUMBER.
- G. CUT AND PATCH EXISTING WALL ABOVE/BELOW PANELS AS REQUIRED FOR INSTALLATION OF NEW CIRCUIT HOMERUNS. FIELD EXACT REQUIREMENTS. PATCH WALL TO MATCH EXISTING.
- H. CONTRACTOR SHALL ATTEMPT TO "FISH" ALL NEW CABLING/ CIRCUITS AS INDICATED WITHIN CONDUIT INSIDE EXISTING WALLS. IF DETERMINED TO NOT BE POSSIBLE (E.G. SLUSH FILLED CONCRETE BLOCK EXISTING WALLS), CONTRACTOR SHALL THEN ROUTE SURFACE MOUNTED WIRING (OR APPROVED EQUAL) PAINTED TO MATCH ADJACENT SURFACES WHERE IT IS NECESSARY FOR NEW CABLING RUNS. SECURELY MOUNT TWO-HOLE STRIPS ON 2"-0" CENTERS IN WALL/CEILING CORNERS AND "OUT OF SITE" AS MUCH AS POSSIBLE. SIZE WIREMOUNT TO SUIT CABLING AS REQUIRED. SEE DETAIL.
- I. ALL CEILING MOUNTED DEVICES SHALL BE SUPPORTED FROM STRUCTURAL JOISTS ONLY. NO DEVICES SHALL BE SUPPORTED FROM BLUE TEES.
- J. CONTRACTOR SHALL KEEP RECORD OF ALL CIRCUIT POLE NUMBERS FOR ALL NEW CIRCUITS TO EXISTING PANELBOARDS ON AS BUILT DOCUMENTS.
- K. CONTRACTOR SHALL INDICATE ALL EMERGENCY TRANSFER DEVICE "ET" INSTALLATION LOCATIONS ON AS BUILT SET OF PLANS. REFER TO DETAIL FOR LOCATION AND LABELING REQUIREMENTS.
- L. IN ROOMS WHERE EXISTING LIGHTING IS BEING REPLACED, EXISTING RECEPTACLE BRANCH CIRCUITS MAY BE UTILIZING SAME RACEWAY AND CIRCUIT. EXISTING BRANCH CIRCUITS SERVING RECEPTACLES SHALL REMAIN AND OLD SWITCHING BE REMOVED. LIGHTING BRANCH CIRCUITS AND RACEWAYS ARE TO BE COMPLETELY NEW UNLESS OTHERWISE INDICATED.
- M. ALL OCCUPANCY AND VACANCY SENSORS IN ROOM SHALL BE CONNECTED TO WORK AS THE AREA CONTROLLER FOR ENTIRE ROOM. DETECTION OF OCCUPANCY BY ONE SENSOR SHALL ENABLE ALL LIGHTS IN THE ROOM TO OPERATE (TYPICAL).
- N. CONTRACTOR SHALL MINIMIZE BEAM CROSSINGS IN CLASSROOMS AT EXPOSED BEAMS. WHERE BEAM IS EXPOSED ROUTE IN SURFACE 3/4" EXIT IN A NEAT, ORDERLY FASHION GROUPED WITH OTHER RACEWAY CROSSINGS. EXIT TO BE PAINTED TO MATCH ADJACENT SURFACES.
- O. PROVIDE ALL EXIT SIGNS WITH AN UNSWITCHED EMERGENCY HOT CONDUCTOR FOR CONSTANT ILLUMINATION.
- P. PROVIDE ALL EMERGENCY LIGHTING TRANSFER DEVICES (ET) WITH AN UNSWITCHED NORMAL POWER CONDUCTOR FROM LIGHTING CIRCUIT SERVING THE SAME AREA AS THE EMERGENCY LIGHTING ASSOCIATED WITH THE TRANSFER DEVICE.
- Q. CLASSROOM LIGHTING AND PROJECTOR LOCATIONS TO BE COORDINATED SUCH THAT LIGHTING DOORS DO NOT INTERFERE WITH PROJECTOR LOCATIONS. EC SHALL COORDINATE WITH GC AND CEILING GRID INSTALLER PRIOR TO ROUGH-IN FOR FINAL LAYOUT.
- R. WHERE #MC IS INDICATED, LIGHTING IS TO BE CONTROLLED BY CONTROLLABLE BREAKER PANEL.
- S. IN CORRIDORS, STAIRS, LOBBIES, AND OTHER COMMON AREAS, CONTRACTOR SHALL AVOID ROUTING SURFACE MOUNTED RACEWAYS ALONG WALLS. PENETRATE WALL FROM SPACE OPPOSITE OF COMMON AREAS WHERE POSSIBLE. WHERE HORIZONTAL SURFACE MOUNTED RACEWAYS ARE UTILIZED, CONTRACTOR SHALL NOT MOUNT BELOW CEILING PLANE.
- T. CIRCUITING IS DIAGRAMMATIC. PROVIDE AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.
- U. WHERE EXISTING RECESSED EXIT SIGNS AND LIGHT FIXTURES ARE REMOVED COMPLETELY FROM HARD SURFACES THAT WILL REMAIN EXPOSED, CONTRACTOR SHALL PROVIDE STEEL COVER PLATE CONCEAL ENTIRE EXISTING OPENING. BACKPLATE SHALL BE PRE-FINISHED AND FIELD PAINTED TO MATCH ADJACENT FINISHES WHERE FINISHED AND STAINLESS STEEL WHERE MOUNTED ON EXPOSED CONCRETE.
- V. MC CABLING MAY BE USED FOR LIGHT FIXTURE CONNECTIONS WITHIN ROOMS. WHERE LOW VOLTAGE DIMMING/CONTROLS ARE REQUIRED TO BE ROUTED TO THE LIGHT FIXTURES, THE CONTRACTOR SHALL USE MC CABLING WITH ADDITIONAL 16/2 THIN CABLING RATED FOR BODY. THE CONTRACTOR SHALL ROUTE WIRING IN GUT INTO ROOMS TO WITHIN 4" OF FIXTURES. MC CABLING MAY BE USED TO CONNECT BETWEEN FIXTURES THAT ARE A MAXIMUM OF 8' APART ON CENTERS. MC CABLING SHALL BE SUPPORTED FROM STRUCTURE AND SHALL NOT BE SUPPORTED FROM NEW OR EXISTING CEILING ASSEMBLIES. THE CONTRACTOR SHALL PROVIDE UN-SWITCH SPANNING STRUCTURAL MEMBERS WHERE REQUIRED FOR SUPPORT OF ALL RACEWAYS AND WIRING. THIS NOTE SHALL ONLY APPLY TO LIGHTING CIRCUITS.

**TAGGED NOTES :**

1. ROUTE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/EXIST 200/1P BREAKER IN EXISTING PANEL INDICATED.
2. CONNECT NEW LIGHTING FIXTURES TO EXISTING CIRCUIT. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND AS INDICATED.
3. EXISTING LIGHT FIXTURE INDICATED TO BE REMOVED AND REINSTALLED IN EXISTING CEILING. RECONNECT TO EXISTING CIRCUIT SERVING FIXTURE.



**PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA A**

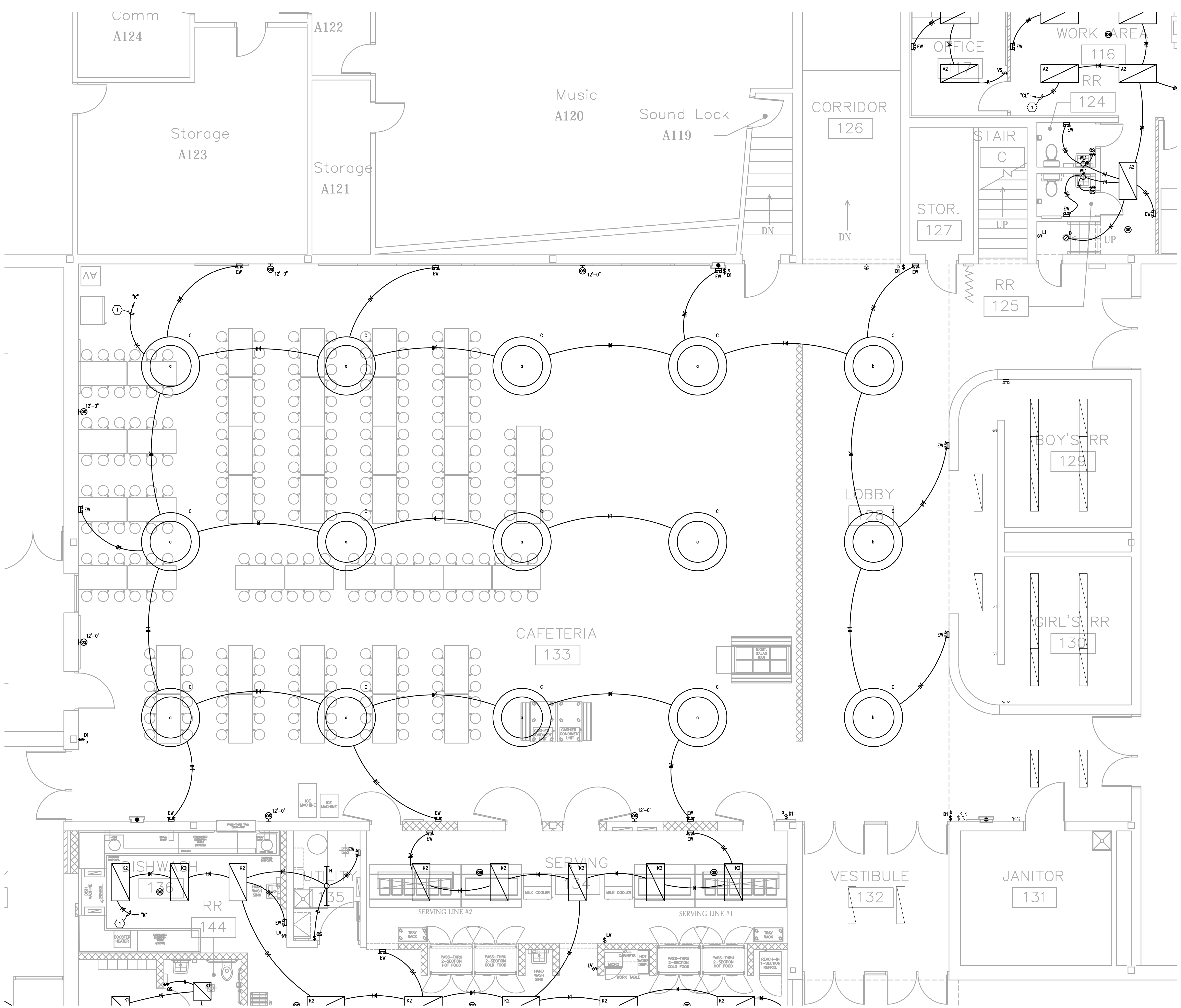
SCALE: 1/4" = 1'-0"

1  
ES00A

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any scope numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**Key Plan**

**CMTA**  
A L. L. BECKETT Company  
10411 Meeting Street,  
Prospect, Kentucky 40059  
502.326.3065 | 502.326.2691  
www.cmta.com



**GENERAL NEW WORK NOTES (LIGHTING):**

- A. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSIDE" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- B. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES ETC. REFER ALSO TO THE ARCHITECT'S CASWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF LIGHT FIXTURES. ETC. NOTIFY THE ENGINEER OF DISCREPANCY BETWEEN BOTH FOR RULING.
- C. ALL NEW WIRING SHALL BE #12 WITH A #12 INSULATED GROUND WIRE (I.O.N.). CONDUIT SHALL BE 3/4" MINIMUM.
- D. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(2), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIPLE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- E. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED. THE CONTRACTOR SHALL USE THE EXISTING CORRIDOR LIGHT FIXTURES FOR TEMPORARY LIGHTING WHERE POSSIBLE.
- F. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. ALSO, MARK INSIDES OF ALL JUNCTION BOX COVERS WITH PANEL AND CIRCUIT NUMBER.
- G. CUT AND PATCH EXISTING WALL ABOVE/BELOW PANELS AS REQUIRED FOR INSTALLATION OF NEW CIRCUIT HOMERUNS. FIELD VERIFY EXACT REQUIREMENTS. PAINT WALL TO MATCH EXISTING.
- H. CONTRACTOR SHALL ATTEMPT TO "FISH" ALL NEW CABLING / CIRCUITS AS INDICATED WITHIN CONDUIT INSIDE EXISTING WALLS. IF DETERMINED TO NOT BE POSSIBLE (E.G. SLUSH FILLED CONCRETE BLOCK EXISTING WALLS), CONTRACTOR SHALL THEN ROUTE SURFACE MOUNTED WIRING (OR APPROVED EQUAL) PAINTED TO MATCH ADJACENT SURFACES WHERE IT IS NECESSARY FOR NEW CABLING RUNS. SECURELY MOUNT TWO-HOLE STRIPS ON 2"-O" CENTERS IN WALL/CEILING CORNERS AND "OUT OF SITE" AS MUCH AS POSSIBLE. SIZE WIRE/CONDUIT TO SUIT CABLING AS REQUIRED. SEE DETAIL.
- I. ALL CEILING MOUNTED DEVICES SHALL BE SUPPORTED FROM STRUCTURAL JOISTS ONLY. NO DEVICES SHALL BE SUPPORTED FROM BULB TEES.
- J. CONTRACTOR SHALL KEEP RECORD OF ALL CIRCUIT POLE NUMBERS FOR ALL NEW CIRCUITS TO EXISTING PANELBOARDS ON AS BUILT DOCUMENTS.
- K. CONTRACTOR SHALL INDICATE ALL EMERGENCY TRANSFER DEVICE "ET" INSTALLATION LOCATIONS ON AS BUILT SET OF PLANS. REFER TO DETAIL FOR LOCATION AND LABELING REQUIREMENTS.
- L. IN ROOMS WHERE EXISTING LIGHTING IS BEING REPLACED, EXISTING RECEPTACLE BRANCH CIRCUITS MAY BE UTILIZING SAME RACEWAY AND CIRCUIT. EXISTING BRANCH CIRCUITS SERVING RECEPTACLES SHALL REMAIN AND OLD SWITCHING BE REMOVED. LIGHTING BRANCH CIRCUITS AND RACEWAYS ARE TO BE COMPLETELY NEW UNLESS OTHERWISE INDICATED.
- M. ALL OCCUPANCY AND VACANCY SENSORS IN ROOM SHALL BE CONNECTED TO WORK AS ONE CONTROLLER FOR ENTIRE ROOM. DETECTION OF OCCUPANCY BY ONE SENSOR SHALL ENABLE ALL LIGHTS IN THE ROOM TO OPERATE (TYPICAL).
- N. CONTRACTOR SHALL MINIMIZE BEAM CROSSINGS IN CLASSROOMS AT EXPOSED BEAMS. WHERE BEAM IS EXPOSED ROUTE IN SURFACE 3/4" EXIT IN A NEAT, ORDERLY FASHION GROUPOUT WITH OTHER RACEWAY CROSSINGS. EXIT TO BE PAINTED TO MATCH ADJACENT SURFACES.
- O. PROVIDE ALL EXIT SIGNS WITH AN UNSWITCHED EMERGENCY HOT CONDUCTOR FOR CONSTANT ILLUMINATION.
- P. PROVIDE ALL EMERGENCY LIGHTING TRANSFER DEVICES (ET) WITH AN UNSWITCHED NORMAL POWER CONDUCTOR FROM LIGHTING CIRCUIT SERVING THE SAME AREA AS THE EMERGENCY FIXTURES ASSOCIATED WITH THE TRANSFER DEVICE.
- Q. CLASSROOM LIGHTING AND PROJECTOR LOCATIONS TO BE COORDINATED SUCH THAT LIGHTING DOORS DO NOT INTERFERE WITH PROJECTOR LOCATIONS. EC SHALL COORDINATE WITH GC AND CEILING GRID INSTALLER PRIOR TO ROUGH-IN FOR FINAL LAYOUT.
- R. WHERE #MC IS INDICATED, LIGHTING IS TO BE CONTROLLED BY CONTROLLABLE BREAKER PANEL.
- S. IN CORRIDORS, STAIRS, LOBBIES, AND OTHER COMMON AREAS, CONTRACTOR SHALL AVOID ROUTING SURFACE MOUNTED RACEWAYS ALONG WALLS. PENETRATE WALL FROM SPACE OPPOSITE OF COMMON AREAS WHERE POSSIBLE. WHERE HORIZONTAL SURFACE MOUNTED RACEWAYS ARE UTILIZED, CONTRACTOR SHALL NOT MOUNT BELOW CEILING PLANE.
- T. CIRCUITING IS DIAGRAMMATIC. PROVIDE AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.
- U. WHERE EXISTING RECESSED EXIT SIGNS AND LIGHT FIXTURES ARE REMOVED COMPLETE FROM HARD SURFACES THAT WILL REMAIN EXPOSED, CONTRACTOR SHALL PROVIDE STEEL COVER PLATE CONCEAL ENTIRE EXISTING OPENING. BACKPLATE SHALL BE PRE-FINISHED AND FIELD PAINTED TO MATCH ADJACENT FINISHES WHERE FINISHED AND STAINLESS STEEL WHERE MOUNTED ON EXPOSED CONCRETE.
- V. MC CABLING MAY BE USED FOR LIGHT FIXTURE CONNECTIONS WITHIN ROOMS. WHERE LOW VOLTAGE DIMMING/CONTROLS ARE REQUIRED TO THE LIGHT FIXTURES, THE CONTRACTOR SHALL USE MC CABLING WITH ADDITIONAL 16/2 THIN CABLING RATED FOR ROOF. THE CONTRACTOR SHALL ROUTE WIRING IN CEILING INTO ROOMS TO WITHIN 4" OF FIXTURES. MC CABLING MAY BE USED TO CONNECT BETWEEN FIXTURES THAT ARE A MAXIMUM OF 8' APART ON CENTERS. MC CABLING SHALL BE SUPPORTED FROM STRUCTURE AND SHALL NOT BE SUPPORTED FROM NEW OR EXISTING CEILING ASSEMBLIES. THE CONTRACTOR SHALL PROVIDE UN-STRUT SPANNING STRUCTURAL MEMBERS WHERE REQUIRED FOR SUPPORT OF ALL RACEWAYS AND WIRING. THIS NOTE SHALL ONLY APPLY TO LIGHTING CIRCUITS.

**TAGGED NOTES :**

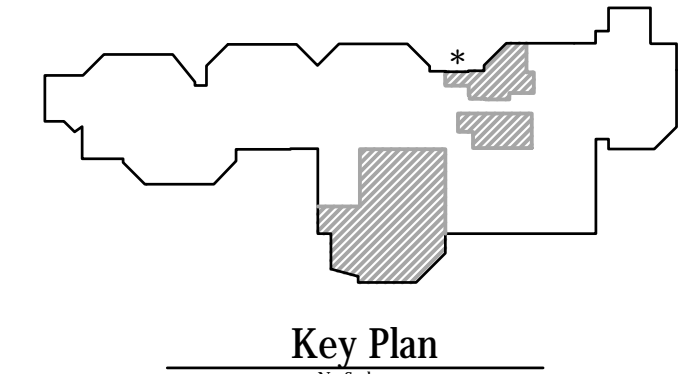
1. ROUTE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 200/1P BREAKER IN EXISTING PANEL INDICATED.
2. CONNECT NEW LIGHTING FIXTURES TO EXISTING CIRCUIT. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND AS INDICATED.
3. EXISTING LIGHT FIXTURE INDICATED TO BE REMOVED AND REINSTALLED IN EXISTING CEILING. RECONNECT TO EXISTING CIRCUIT SERVING FIXTURE.

**PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA B**

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

1  
ES00B

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any drawing numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**SHEET TITLE**  
PARTIAL FIRST FLOOR PLAN -  
LIGHTING - AREA B

**SHEET NUMBER**  
**E300B**

**DATE**  
APRIL 3, 2024

**OWNER**  
NORTH HARRISON  
COMMUNITY SCHOOLS

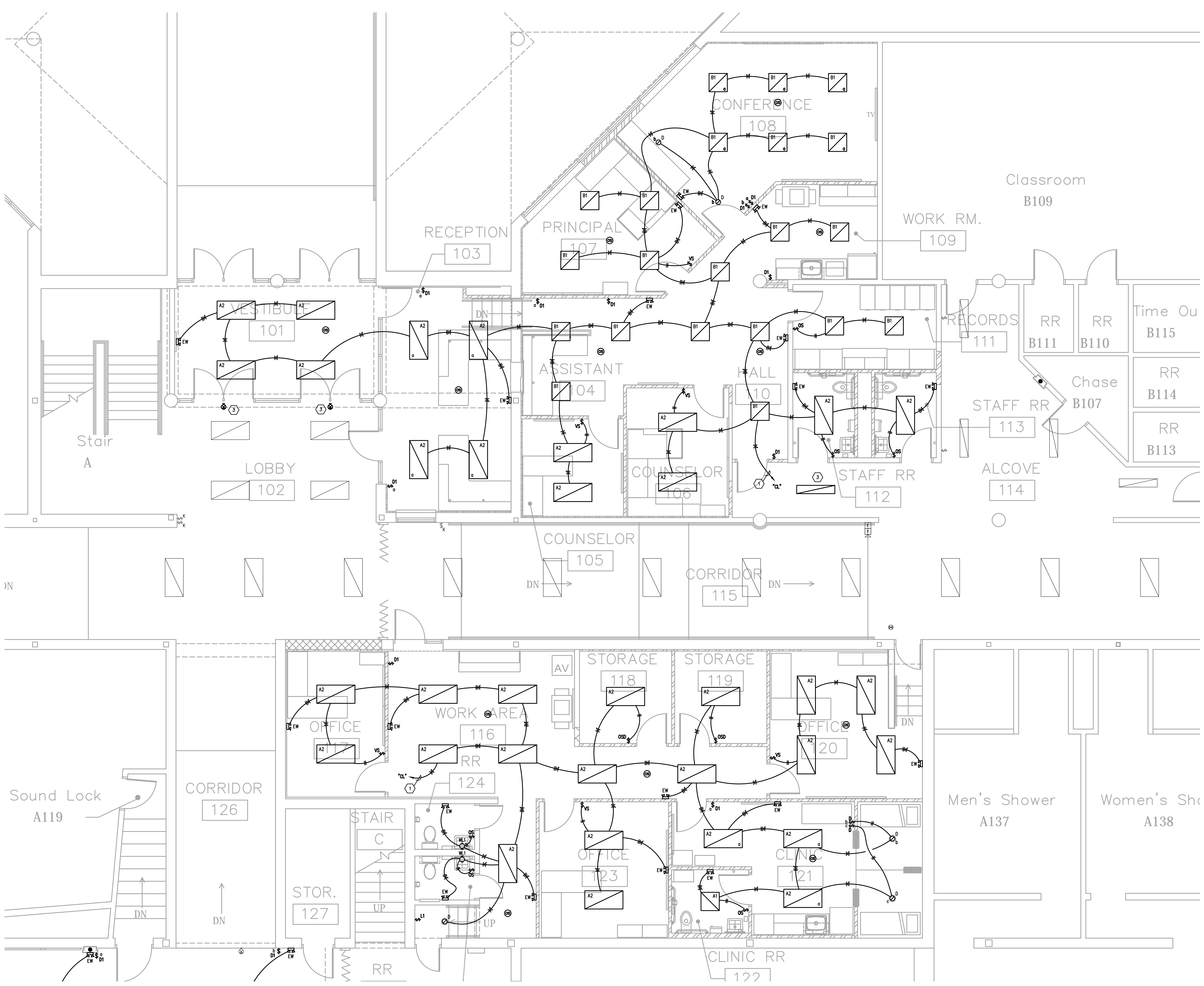
**PROJECT TITLE**  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITIONS AND  
RENOVATIONS

1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

**ISSUED FOR**  
Public Bidding

**DATE**  
04-03-2024



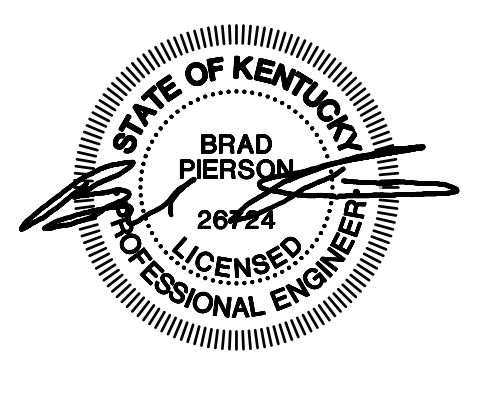


**GENERAL NEW WORK NOTES (LIGHTING):**

- A. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPED DIRECTORIES FOR ALL PANELS AFFECTED.
- B. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES ETC. REFER ALSO TO THE ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF LIGHT FIXTURES. ETC. NOTIFY THE ENGINEER OF DISCREPANCY BETWEEN BOTH FOR RULING.
- C. ALL NEW WIRING SHALL BE #12 WITH A #12 INSULATED GROUND WIRE (I.O.N.). CONDUIT SHALL BE 3/4" MINIMUM.
- D. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(2), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIPLE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- E. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED. THE CONTRACTOR SHALL USE THE EXISTING CORRIDOR LIGHT FIXTURES FOR TEMPORARY LIGHTING WHERE POSSIBLE.
- F. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. ALSO, MARK INSIDES OF ALL JUNCTION BOX COVERS WITH PANEL AND CIRCUIT NUMBER.
- G. CUT AND PATCH EXISTING WALL ABOVE/BELOW PANELS AS REQUIRED FOR INSTALLATION OF NEW CIRCUIT HOMERUNS. FIELD VERIFY EXACT REQUIREMENTS.
- H. CONTRACTOR SHALL ATTEMPT TO "FISH" ALL NEW CABLING/ CIRCUITS AS INDICATED WITHIN CONDUIT INSIDE EXISTING WALLS. IF DETERMINED TO NOT BE POSSIBLE (E.G. SLUSH FILLED CONCRETE BLOCK EXISTING WALLS), CONTRACTOR SHALL THEN ROUTE SURFACE-MOUNTED WIRING (OR APPROVED EQUAL) PAINTED TO MATCH ADJACENT SURFACES WHERE IT IS NECESSARY FOR NEW CABLING RUNS. SECURELY MOUNT TWO-HOLE STRAPS ON 2"-O" CENTERS IN WALL/CEILING CORNERS AND "OUT OF SITE" AS MUCH AS POSSIBLE. SIZE WIRING TO SUIT CABLING AS REQUIRED. SEE DETAIL.
- I. ALL CEILING MOUNTED DEVICES SHALL BE SUPPORTED FROM STRUCTURAL JOISTS ONLY. NO DEVICES SHALL BE SUPPORTED FROM BLUE TEES.
- J. CONTRACTOR SHALL KEEP RECORD OF ALL CIRCUIT POLE NUMBERS FOR ALL NEW CIRCUITS TO EXISTING PANELBOARDS OR AS BUILT DOCUMENTS.
- K. CONTRACTOR SHALL INDICATE ALL EMERGENCY TRANSFER DEVICE "ET" INSTALLATION LOCATIONS ON AS BUILT SET OF PLANS. REFER TO DETAIL FOR LOCATION AND LABELING REQUIREMENTS.
- L. IN ROOMS WHERE EXISTING LIGHTING IS BEING REPLACED, EXISTING RECEPTACLE BRANCH CIRCUITS MAY BE UTILIZING SAME RACEWAY AND CIRCUIT. EXISTING BRANCH CIRCUITS SERVING RECEPTACLES SHALL REMAIN AND OLD SWITCHING BE REMOVED. LIGHTING BRANCH CIRCUITS AND RACEWAYS ARE TO BE COMPLETELY NEW UNLESS OTHERWISE INDICATED.
- M. ALL OCCUPANCY AND VACANCY SENSORS IN ROOM SHALL BE CONNECTED TO WORK AS ONE CONTROLLER FOR ENTIRE ROOM. DETECTION OF OCCUPANCY BY ONE SENSOR SHALL ENABLE ALL LIGHTS IN THE ROOM TO OPERATE (TYPICAL).
- N. CONTRACTOR SHALL MINIMIZE BEAM CROSSINGS IN CLASSROOMS AT EXPOSED BEAMS, WHERE BEAM IS EXPOSED ROUTE IN SURFACE 3/4" EXIT IN A NEAT, ORDERLY FASHION GROUPOUT WITH OTHER RACEWAY CROSSINGS. EXIT TO BE PAINTED TO MATCH ADJACENT SURFACES.
- O. PROVIDE ALL EXIT SIGNS WITH AN UNSWITCHED EMERGENCY HOT CONDUCTOR FOR CONSTANT ILLUMINATION.
- P. PROVIDE ALL EMERGENCY LIGHTING TRANSFER DEVICES (ET) WITH AN UNSWITCHED NORMAL POWER CONDUCTOR FROM LIGHTING CIRCUIT SERVING THE SAME AREA AS THE EMERGENCY FIXTURES ASSOCIATED WITH THE TRANSFER DEVICE.
- Q. CLASSROOM LIGHTING AND PROJECTOR LOCATIONS TO BE COORDINATED SUCH THAT LIGHTING DOORS DO NOT INTERFERE WITH PROJECTOR LOCATIONS. EC SHALL COORDINATE WITH GC AND CEILING GRID INSTALLER PRIOR TO ROUGH-IN FOR FINAL LAYOUT.
- R. WHERE #MC IS INDICATED, LIGHTING IS TO BE CONTROLLED BY CONTROLLABLE BREAKER PANEL.
- S. IN CORRIDORS, STAIRS, LOBBIES, AND OTHER COMMON AREAS, CONTRACTOR SHALL AVOID ROUTING SURFACE MOUNTED RACEWAYS ALONG WALLS. PENETRATE WALL FROM SPACE OPPOSITE OF COMMON AREAS WHERE POSSIBLE. WHERE HORIZONTAL SURFACE MOUNTED RACEWAYS ARE UTILIZED, CONTRACTOR SHALL NOT MOUNT BELOW CEILING PLANE.
- T. CIRCUITING IS DIAGRAMMATIC. PROVIDE AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.
- U. WHERE EXISTING RECESSED EXIT SIGNS AND LIGHT FIXTURES ARE REMOVED COMPLETE FROM HARD SURFACES THAT WILL REMAIN EXPOSED, CONTRACTOR SHALL PROVIDE STEEL COVER PLATE CONCEAL ENTIRE EXISTING OPENING. BACKPLATE SHALL BE PRE-FINISHED AND FIELD PAINTED TO MATCH ADJACENT FINISHES WHERE FINISHED AND STAINLESS STEEL WHERE MOUNTED ON EXPOSED CONCRETE.
- V. MC CABLING MAY BE USED FOR LIGHT FIXTURE CONNECTIONS WITHIN ROOMS. WHERE LOW VOLTAGE DIMMING/CONTROLS ARE REQUIRED TO BE ROUTED TO THE LIGHT FIXTURES, THE CONTRACTOR SHALL USE MC CABLING WITH ADDITIONAL 16/2 THIN CABLING RATED FOR BODY. THE CONTRACTOR SHALL ROUTE WIRING IN EMT INTO ROOMS TO WITHIN 4" OF FIXTURES. MC CABLING MAY BE USED TO CONNECT BETWEEN FIXTURES THAT ARE A MAXIMUM OF 8' APART ON CENTERS. MC CABLING SHALL BE SUPPORTED FROM STRUCTURE AND SHALL NOT BE SUPPORTED FROM NEW OR EXISTING CEILING ASSEMBLIES. THE CONTRACTOR SHALL PROVIDE UN-STRUT SPANNING STRUCTURAL MEMBERS WHERE REQUIRED FOR SUPPORT OF ALL RACEWAYS AND WIRING. THIS NOTE SHALL ONLY APPLY TO LIGHTING CIRCUITS.

**TAGGED NOTES :**

1. ROUTE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/EXIST 200/1P BREAKER IN EXISTING PANEL INDICATED.
2. CONNECT NEW LIGHTING FIXTURES TO EXISTING CIRCUIT. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND AS INDICATED.
3. EXISTING LIGHT FIXTURE INDICATED TO BE REMOVED AND REINSTALLED IN EXISTING CEILING. RECONNECT TO EXISTING CIRCUIT SERVING FIXTURE.



ISSUED FOR: Public Bidding  
DATE: 04-03-2024

PROJECT TITLE  
**NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITIONS AND  
RENOVATIONS**

OWNER  
**NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166**

SHEET NUMBER  
**E3000**  
DATE  
**APRIL 3, 2024**

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any drawing numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA C**  
SCALE: 1/4" = 1'-0"

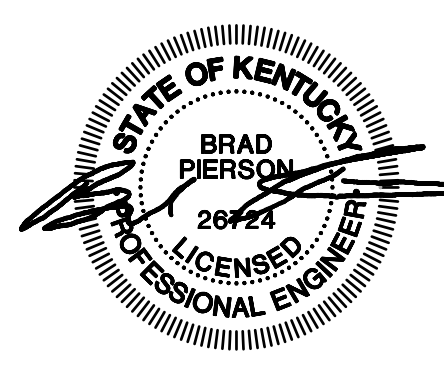
1  
E3000

**Key Plan**

**CMTA**  
A L... Company  
10411 Meeting Street,  
Prospect, Kentucky 40059  
502.326.3085 | 502.326.2691  
www.cmta.com

SHEET TITLE  
**PARTIAL FIRST FLOOR PLAN -  
LIGHTING - AREA C**





ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS

1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

SHEET TITLE  
PARTIAL FIRST FLOOR PLAN -  
POWER/SYSTEMS - AREA A

SHEET NUMBER  
**E400A**

DATE  
APRIL 3, 2024

**GENERAL NEW WORK NOTES (POWER/SYSTEMS) :**

- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DENOTE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.5(E).
- LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOXES, ISLANDS, ETC.) OR SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITHIN CONCRETE SLABS.
- REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RANS FOR SYSTEM CABLING INSTALLATION.
- ALL RECEPTACLES SHOWN AS EXISTING TO REMAIN SHALL BE REPLACED IN PLACE WITH NEW TAMPER RESISTANT DEVICE. EXISTING WIRING SHALL BE REUSED UNLESS NOTED OTHERWISE.

**TAGGED NOTES :**

- CUT AND PATCH FLOOR FOR NEW RACEWAYS TO FLOOR BOXES, ROUTE CONCEALED IN NEW WALL INFILL.
- PROVIDE 6"x6" BOX FOR TERMINATION OF CAFETERIA T.V. CONDUITS. ROUTE SURFACE CONDUITS IN STORAGE A123 AND STUB THRU WALL INTO CAFETERIA. FIELD VERIFY EXACT ROUTES.
- PROVIDE ADDITIONAL SINGLE-GANG BOX AND 1-1/4" CONDUIT TO A.V. RACK IN CAFETERIA.
- CONNECT NEW ELECTRICAL DEVICES IN CIRCUIT TO EXISTING CIRCUIT INDICATED. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND AS INDICATED.
- PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/1P BREAKER(S) IN EXISTING PANEL INDICATED.
- PROVIDE # OF #10 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 30A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
- PROVIDE # OF #8 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 40A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
- PROVIDE # OF #6 CONDUCTORS AND #10 GROUND IN 1" CONDUIT TO NEW/SPARE 60A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
- PROVIDE NEW 300A/3P CIRCUIT BREAKER IN EXISTING DISTRIBUTION PANEL INDICATED FOR REPLACEMENT PANEL "A". REMOVE EXISTING SPARE BREAKERS AS REQUIRED TO CREATE SPACE. FIELD VERIFY EXACT CONDITIONS.
- PROVIDE # OF #8 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 40A/2P BREAKER(S) IN EXISTING PANEL INDICATED.
- WIRE NEW DOOR POWER SUPPLY INTO BUILDING FIRE ALARM SYSTEM.
- PROVIDE 30A/600V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
- PROVIDE 60A/600V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
- PROVIDE 60A/240V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
- NEW ELECTRICAL DEVICES IN "CAFETERIA 133" OR HOKE SURF-THRU'S INTO ADJACENT ROOMS FOR NEW ELECTRICAL CIRCUITS. NO SURFACE RACEWAYS ARE TO BE USED IN THE CAFETERIA.
- PROVIDE POWER AND NETWORK DATA DROP TO HVAC CONTROL PANEL. PROVIDE 120V CONNECTION AND DATA BOXES AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- PROVIDE ALL NECESSARY CONNECTIONS FROM EXISTING FIRE ALARM SIGNALING LOOP TO FIRE SUPPRESSION SYSTEM.
- HOOD CONTROL PANEL. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN. REFER TO VENDOR DRAWINGS FOR FURTHER REQUIREMENTS.
- KITCHEN EXHAUST FAN TO BE MOUNTED TO PLATFORM ABOVE CEILING. REFER TO VENDOR DRAWINGS FOR FURTHER REQUIREMENTS.
- PROVIDE RACEWAY AND WIRING FOR CONTROL CONNECTION FROM HOOD CONTROL PANEL AS REQUIRED BY KITCHEN HOOD INSTALLATION DRAWINGS.
- ROUTE CIRCUIT INDICATED THROUGH KITCHEN HOOD CONTROL CONTRACTOR FOR EMERGENCY SHUTDOWN. REFER TO KITCHEN HOOD CONTROL SCHEMATIC FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR FOR HOOD EQUIPMENT EMERGENCY SHUTDOWN. MOUNT ABOVE CEILING AT ACCESSIBLE LOCATION. REFER TO KITCHEN HOOD CONTROL SCHEMATIC FOR ADDITIONAL REQUIREMENTS.
- PROVIDE ROUGH-IN, CONDUIT, AND WIRING FOR HOOD FIRE SUPPRESSION ACTIVATION STATION. COORDINATE EXACT REQUIREMENTS WITH KITCHEN VENDOR SHOP DRAWINGS.
- PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/2P BREAKER IN EXISTING PANEL INDICATED.
- EXISTING INTERCOM SYSTEM SHALL REMAIN AT LOCATED INDICATED AS PART OF BASE BID. CONTRACTOR SHALL REMOVE EXISTING DEVICES AND CABLING WHERE INDICATED ON PLANS AND REPLACE WITH NEW AS PART OF BASE BID. CONTRACTOR SHALL PROVIDE NEW CABLING BACK TO EXISTING INTERCOM RACK WITH LENGTH TO BE EXTENDED TO TOP RACK LOCATED IN STORAGE 127 AS PART OF FUTURE INTERCOM UPGRADE. ALTERNATE PRICE SHALL REMOVE ALL NEW INTERCOM SCOPE FOR A BUILDING-WIDE INTERCOM UPGRADE THAT WOULD BE PART OF A SEPARATE CONTRACT. ALL DEMOLITION SCOPE WOULD REMAIN IN THIS CONTRACT.
- PROVIDE 30A/240V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
- PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/3P BREAKER IN EXISTING PANEL INDICATED.
- PROVIDE NETWORK DROP TO WALK-IN EQUIPMENT FOR TEMPERATURE MONITORING. COORDINATE EXACT LOCATION WITH VENDOR.

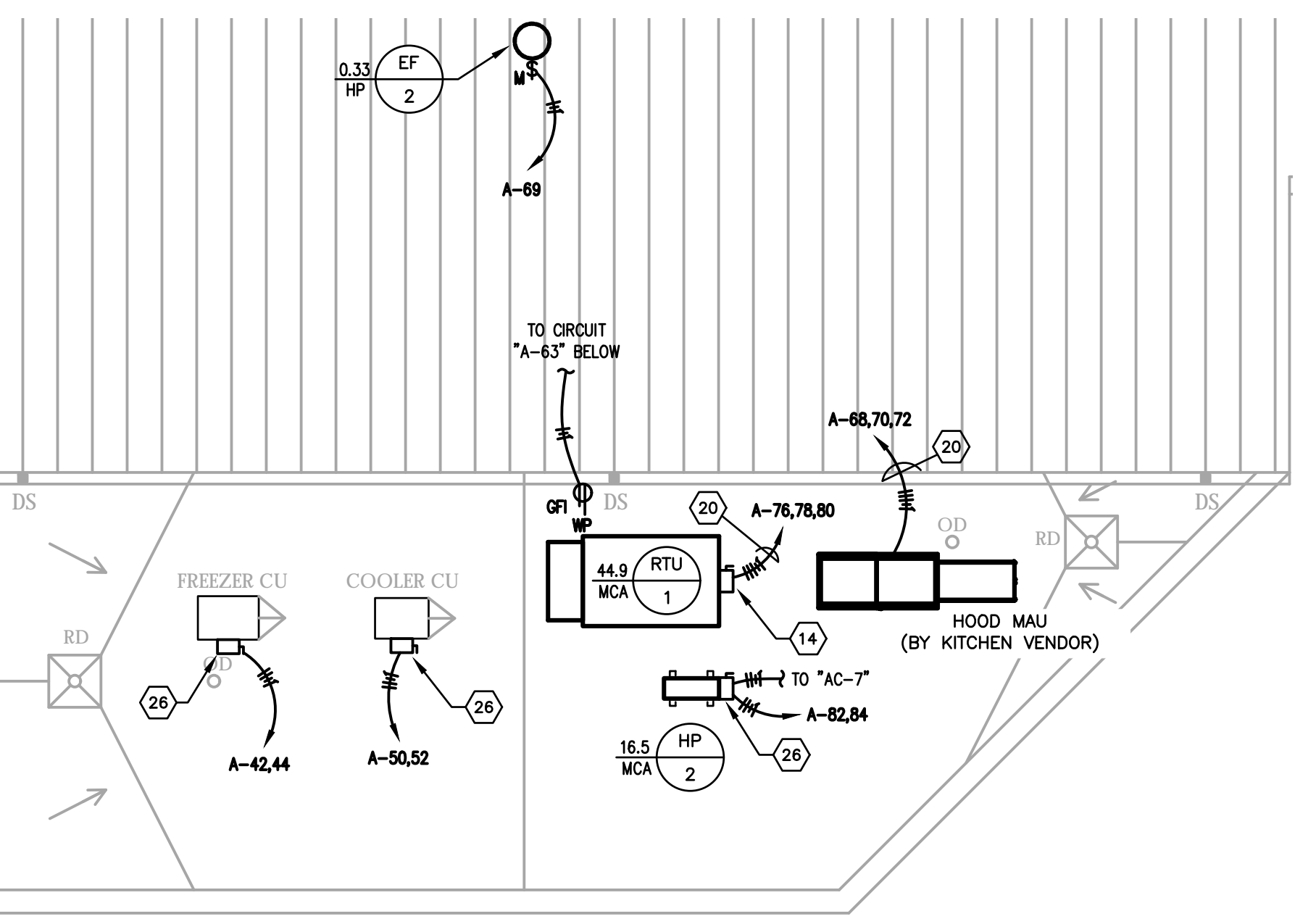
**EQUIPMENT SCHEDULE :**

ITEM	QTY	DESCRIPTION	HP	KW	AMP	VOLT	PH	REMARKS
1	2	MILK COOLER (EX.)	1/3	2.2	115	1		
2	2	SERVING COUNTER, 6-WELL	1/5	6.9	208	1		
3	2	SERVING COUNTER, FROST-TOP	1/4	3.7	115	1		
4	2	REFRIGERATOR, 2-SEC. PASS	1/2	5.9	120	1		
5	2	HOT FOOD HOLDING, 2-SEC		3.0	208	1		
6	1	MICROWAVE (EX.)		3.8	15.0	120	1	
7	1	HOT WATER DISPENSER (EX.)		5.0	24.0	208	1	
8	1	REFRIGERATOR, 1-SEC. REACH-IN	1/4	2.2	115	1		
9	1	REFRIGERATOR, 1-SEC. ROLL-IN	1/3	8.9	115	1		
10	2	COMBI OVEN (EX.)		37.4	480	3		
11	1	COMBI OVEN		37.4	480	3		
12	1	TILTING SKILLET (EX.)		17.7	15.5	480	3	
13	1	TILTING SKILLET		22.0	480	3		
14	1	ROTATING RACK OVEN (EX.)	3/4	18.0	23.0	480	3	PROVIDE 120V/1PH CORD FOR CONTROLS.
15	1	HOT FOOD HOLDING, 1-SEC. ROLL		9.6	208	1		
16	1	MIXER (EX.)	1/2	10.2	115	1		
17	1	MIXER (EX.)	2.0	5.8	200	3		
18	1	HEAT SEALER (EX.)		7.0	120	1		
19	1	POTATO PEELER	1.0	16.6	115	1		
20	2	MILK COOLER (EX.)	1/3	3.0	120	1		
21	1	DISHMACHINE (EX.)	2.0	25.0	480	3		
22	1	BOOSTER HEATER		47.9	208	3		
23	2	ICE MACHINE (EX.)			120	1		
24	2	CASHER STAND (EX.)			120	1		
25	1	SALAD BAR UNIT (EX.)			120	1		
26	3	GARBAGE DISPOSAL & PANEL	2.0	4.4	208	3		
27	3	GARBAGE DISPOSAL & PANEL	1.5	2.4	208	3		
28	1	EXHAUST HOOD SYSTEM (COOK)			208	3		

\* COORDINATE EXACT EQUIPMENT LOCATIONS WITH OWNER'S FINAL LAYOUT PRIOR TO ROUGH-IN.  
\*\* "EX." IS EXISTING EQUIPMENT TO BE RELOCATED.

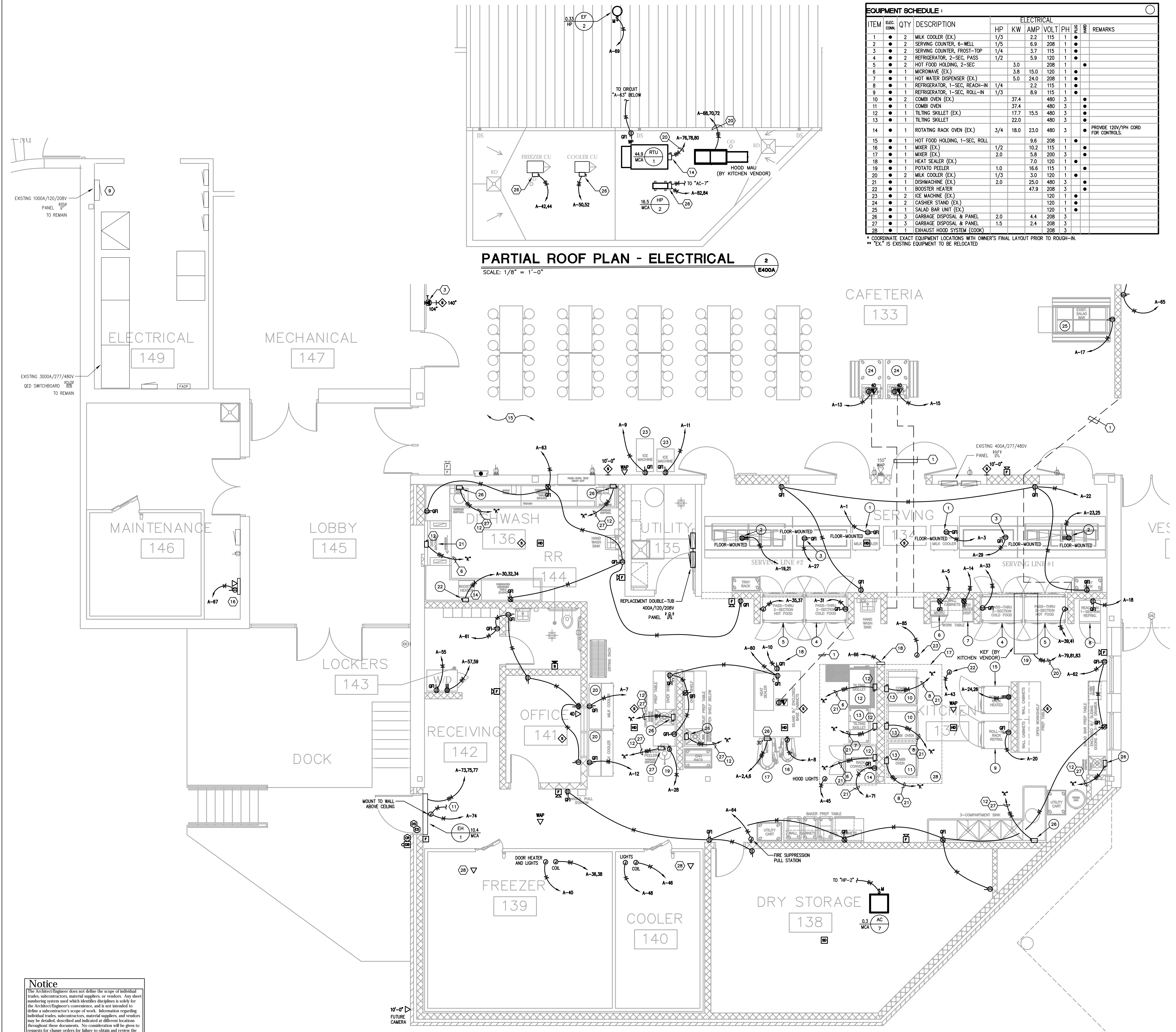
**PARTIAL ROOF PLAN - ELECTRICAL**

SCALE: 1/8" = 1'-0" E400A

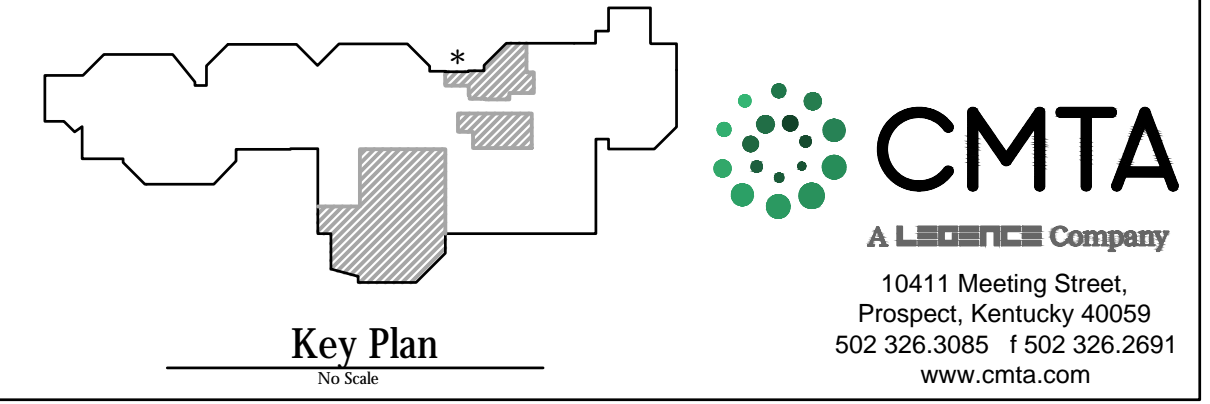


**PARTIAL FIRST FLOOR PLAN - POWER/SYSTEMS - AREA A**

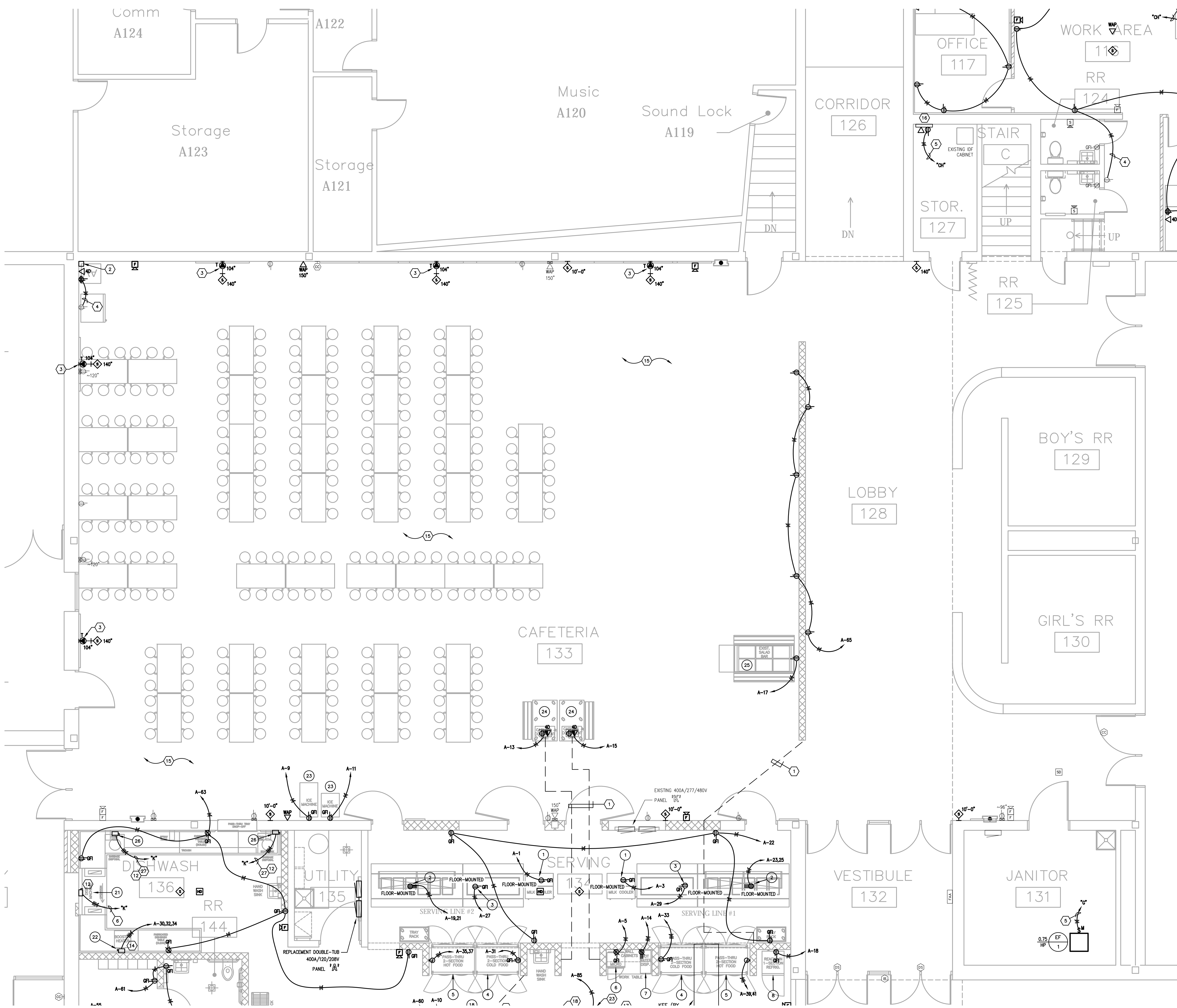
SCALE: 1/4" = 1'-0" E400A



**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any scope numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**CMTA**  
A L.L. COMPANY  
10411 Meeting Street,  
Prospect, Kentucky 40059  
502.326.3065 F.502.326.2691  
www.cmta.com



**GENERAL NEW WORK NOTES (POWER/SYSTEMS) :**

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(1) AND USE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.2(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- F. NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOXES, ISLANDS, ETC.) OR SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITHIN CONCRETE SLABS.
- G. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEAD SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- H. THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT SUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "SUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- I. CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT SUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.
- J. ALL RECEPTACLES SHOWN AS EXISTING TO REMAIN SHALL BE REPLACED IN PLACE WITH NEW TAMPER RESISTANT DEVICE. EXISTING WIRING SHALL BE REUSED UNLESS NOTED OTHERWISE.

**TAGGED NOTES :**

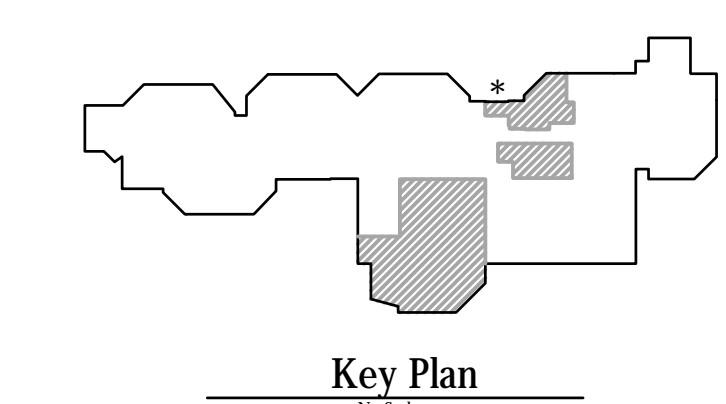
1. CUT AND PATCH FLOOR FOR NEW RACEWAYS TO FLOOR BOXES. ROUTE CONCEALED IN NEW WALL INFILL.
2. PROVIDE 6"x6" BOX FOR TERMINATION OF CAFETERIA T.V. CONDUITS. ROUTE SURFACE CONDUITS IN STORAGE A123 AND STUB THRU WALL INTO CAFETERIA. FIELD VERIFY EXACT ROUTES.
3. PROVIDE ADDITIONAL SINGLE-GANG BOX AND 1-1/4" CONDUIT TO A.V. RACK IN CAFETERIA.
4. CONNECT NEW ELECTRICAL DEVICES IN CIRCUIT TO EXISTING CIRCUIT INDICATED. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND AS INDICATED.
5. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/1P BREAKER(S) IN EXISTING PANEL INDICATED.
6. PROVIDE # OF #10 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 30A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
7. PROVIDE # OF #8 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 40A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
8. PROVIDE # OF #6 CONDUCTORS AND #10 GROUND IN 1" CONDUIT TO NEW/SPARE 60A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
9. PROVIDE NEW 300A/3P CIRCUIT BREAKER IN EXISTING DISTRIBUTION PANEL INDICATED FOR REPLACEMENT PANEL "A". REMOVE EXISTING SPARE BREAKERS AS REQUIRED TO CREATE SPACE. FIELD VERIFY EXACT CONDITIONS.
10. PROVIDE # OF #8 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 40A/2P BREAKER(S) IN EXISTING PANEL INDICATED.
11. WIRE NEW DOOR POWER SUPPLY INTO BUILDING FIRE ALARM SYSTEM.
12. PROVIDE 30A/600V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
13. PROVIDE 60A/600V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
14. PROVIDE 60A/240V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
15. NEW ELECTRICAL DEVICES IN "CAFETERIA 133" TO HAVE POKE-THRU'S INTO ADJACENT ROOMS FOR NEW ELECTRICAL CIRCUITS. NO SURFACE RACEWAYS ARE TO BE VISIBLE IN THE CAFETERIA.
16. PROVIDE POWER AND NETWORK DATA DROP TO HVAC CONTROL PANEL. PROVIDE 120V CONNECTION AND DATA BOXES AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
17. PROVIDE ALL NECESSARY CONNECTIONS FROM EXISTING FIRE ALARM SIGNALING LOOP TO FIRE SUPPRESSION SYSTEM.
18. HOOD CONTROL PANEL. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN. REFER TO VENDOR DRAWINGS FOR FURTHER REQUIREMENTS.
19. KITCHEN EXHAUST FAN TO BE MOUNTED TO PLATFORM ABOVE CEILING. REFER TO VENDOR DRAWINGS FOR FURTHER REQUIREMENTS.
20. PROVIDE RACEWAY AND WIRING FOR CONTROL CONNECTION FROM HOOD CONTROL PANEL AS REQUIRED BY KITCHEN HOOD INSTALLATION DRAWINGS.
21. ROUTE CIRCUIT INDICATED THROUGH KITCHEN HOOD CONTROL CONTRACTOR FOR EMERGENCY SHUTDOWN. REFER TO KITCHEN HOOD CONTROL SCHEMATIC FOR ADDITIONAL REQUIREMENTS.
22. PROVIDE CONTRACTOR FOR HOOD EQUIPMENT EMERGENCY SHUTDOWN. MOUNT ABOVE CEILING AT ACCESSIBLE LOCATION. REFER TO KITCHEN HOOD CONTROL SCHEMATIC FOR ADDITIONAL REQUIREMENTS.
23. PROVIDE ROUGH-IN, CONDUIT, AND WIRING FOR HOOD FIRE SUPPRESSION ACTIVATION STATION. COORDINATE EXACT REQUIREMENTS WITH KITCHEN VENDOR SHOP DRAWINGS.
24. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/2P BREAKER IN EXISTING PANEL INDICATED.
25. EXISTING INTERCOM SYSTEM SHALL REMAIN AT LOCATED INDICATED AS PART OF BASE BID. CONTRACTOR SHALL REMOVE EXISTING DEVICES AND CABLING WHERE INDICATED ON PLANS AND REPLACE WITH NEW AS PART OF BASE BID. CONTRACTOR SHALL PROVIDE NEW CABLE BACK TO EXISTING INTERCOM RACK WITH LENGTH TO BE EXTENDED TO UP RACK LOCATED IN STORAGE 127 AS PART OF FUTURE INTERCOM UPGRADE. ALTERNATE PRICE SHALL REMOVE ALL NEW INTERCOM SCOPE FOR A BUILDING-WIDE INTERCOM UPGRADE THAT WOULD BE PART OF A SEPARATE CONTRACT. ALL DEMOLITION SCOPE WOULD REMAIN IN THIS CONTRACT.
26. PROVIDE 30A/240V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
27. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/3P BREAKER IN EXISTING PANEL INDICATED.
28. PROVIDE NETWORK DROP TO WALK-IN EQUIPMENT FOR TEMPERATURE MONITORING. COORDINATE EXACT LOCATION WITH VENDOR.

**Notice**  
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**PARTIAL FIRST FLOOR PLAN - POWER/SYSTEMS - AREA B**

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

1  
E400B



**CMTA**  
 A L.L. COMPANY  
 10411 Meeting Street,  
 Prospect, Kentucky 40059  
 502.326.3085 f.502.326.2691  
 www.cmta.com

SHEET TITLE  
 PARTIAL FIRST FLOOR PLAN -  
 POWER/SYSTEMS - AREA B

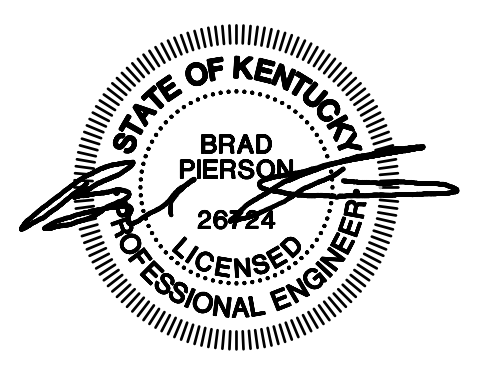
SHEET NUMBER  
**E400B**

OWNER  
 NORTH HARRISON  
 COMMUNITY SCHOOLS

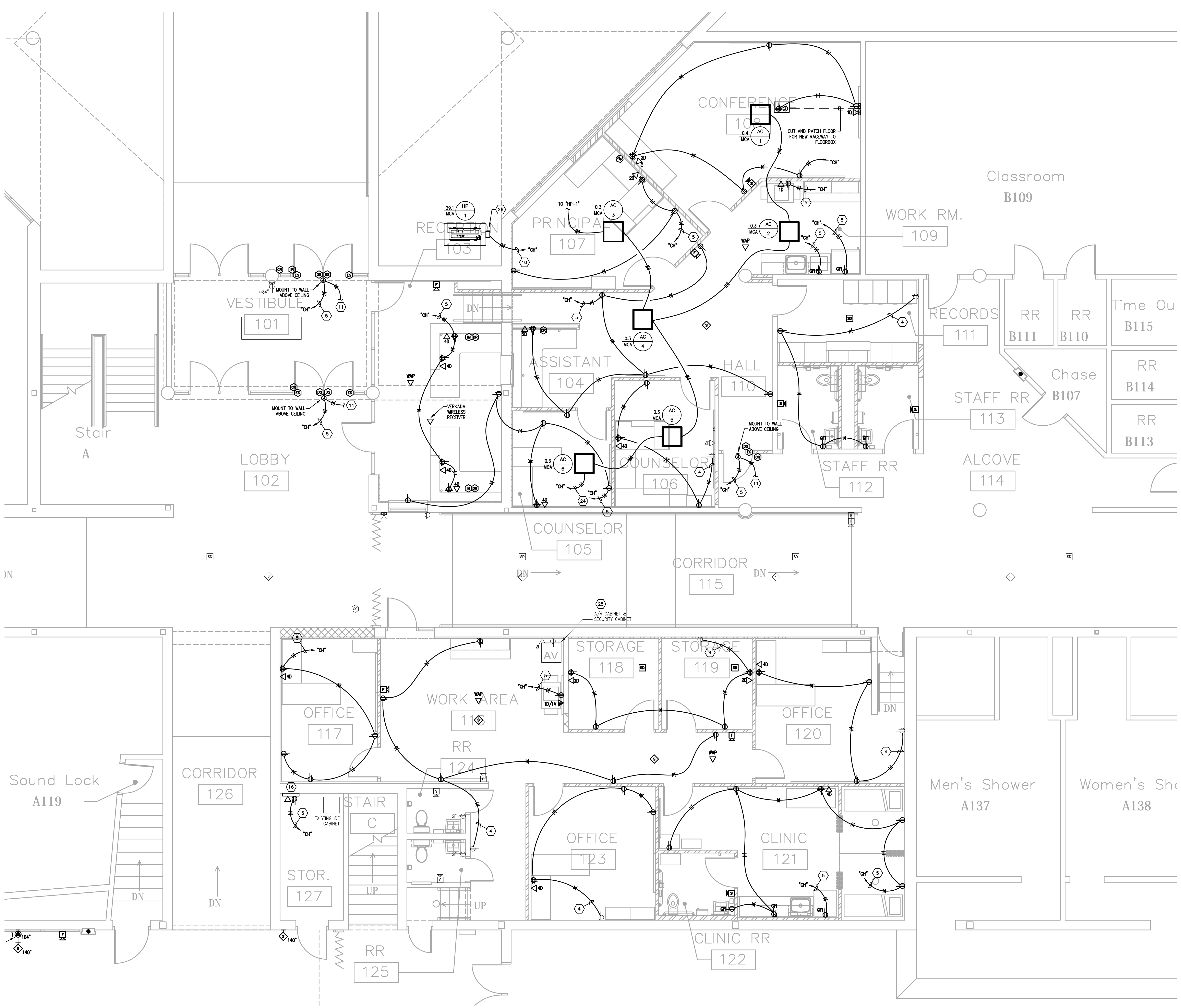
PROJECT TITLE  
 NORTH HARRISON  
 ELEMENTARY SCHOOL  
 2024 ADDITIONS AND  
 RENOVATIONS

ISSUED FOR  
 Public Bidding

DATE  
 04-03-2024



**TowerPinkster**  
 Architecture - Engineering - Interiors  
 © 2024. ALL RIGHTS RESERVED.

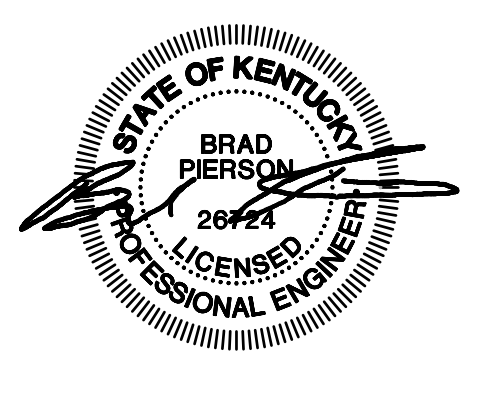


**GENERAL NEW WORK NOTES (POWER/SYSTEMS) :**

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DEBATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- F. NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOXES, ISLANDS, ETC.) OR SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITHIN CONCRETE SLABS.
- G. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEADING SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.
- H. THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- I. CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.
- J. ALL RECEPTACLES SHOWN AS EXISTING TO REMAIN SHALL BE REPLACED IN PLACE WITH NEW TAMPER RESISTANT DEVICE. EXISTING WIRING SHALL BE REUSED UNLESS NOTED OTHERWISE.

**TAGGED NOTES :**

1. CUT AND PATCH FLOOR FOR NEW RACEWAYS TO FLOOR BOXES. ROUTE CONCEALED IN NEW WALL INFILL.
2. PROVIDE 4"x4" BOX FOR TERMINATION OF CAFETERIA T.V. CONDUITS. ROUTE SURFACE CONDUITS IN STORAGE A123 AND STUB THRU WALL INTO CAFETERIA. FIELD VERIFY EXACT ROUTES.
3. PROVIDE ADDITIONAL SINGLE-GANG BOX AND 1-1/4" CONDUIT TO A.V. RACK IN CAFETERIA.
4. CONNECT NEW ELECTRICAL DEVICES IN CIRCUIT TO EXISTING CIRCUIT INDICATED. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND AS INDICATED.
5. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/1P BREAKER(S) IN EXISTING PANEL INDICATED.
6. PROVIDE # OF #10 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 30A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
7. PROVIDE # OF #8 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 40A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
8. PROVIDE # OF #6 CONDUCTORS AND #10 GROUND IN 1" CONDUIT TO NEW/SPARE 60A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
9. PROVIDE NEW 300A/3P CIRCUIT BREAKER IN EXISTING DISTRIBUTION PANEL INDICATED FOR REPLACEMENT PANEL "A". REMOVE EXISTING SPARE BREAKERS AS REQUIRED TO CREATE SPACE. FIELD VERIFY EXACT CONDITIONS.
10. PROVIDE # OF #8 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 40A/2P BREAKER(S) IN EXISTING PANEL INDICATED.
11. WIRE NEW DOOR POWER SUPPLY INTO BUILDING FIRE ALARM SYSTEM.
12. PROVIDE 30A/600V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
13. PROVIDE 60A/600V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
14. PROVIDE 60A/240V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
15. NEW ELECTRICAL DEVICES IN "CAFETERIA 133" TO HAVE POKE-THRU'S INTO ADJACENT ROOMS FOR NEW ELECTRICAL CIRCUITS. NO SURFACE RACEWAYS ARE TO BE ROSE IN THE CAFETERIA.
16. PROVIDE POWER AND NETWORK DATA DROP TO HVAC CONTROL PANEL. PROVIDE 120V CONNECTION AND DATA BOXES AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
17. PROVIDE ALL NECESSARY CONNECTIONS FROM EXISTING FIRE ALARM SIGNALING LOOP TO FIRE SUPPRESSION SYSTEM.
18. HOOD CONTROL PANEL. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN. REFER TO VENDOR DRAWINGS FOR FURTHER REQUIREMENTS.
19. KITCHEN EXHAUST FAN TO BE MOUNTED TO PLATFORM ABOVE CEILING. REFER TO VENDOR DRAWINGS FOR FURTHER REQUIREMENTS.
20. PROVIDE RACEWAY AND WIRING FOR CONTROL CONNECTION FROM HOOD CONTROL PANEL AS REQUIRED BY KITCHEN HOOD INSTALLATION DRAWINGS.
21. ROUTE CIRCUIT INDICATED THROUGH KITCHEN HOOD CONTROL CONTRACTOR FOR EMERGENCY SHUTDOWN. REFER TO KITCHEN HOOD CONTROL SCHEMATIC FOR ADDITIONAL REQUIREMENTS.
22. PROVIDE CONTRACTOR FOR HOOD EQUIPMENT EMERGENCY SHUTDOWN. MOUNT ABOVE CEILING AT ACCESSIBLE LOCATION. REFER TO KITCHEN HOOD CONTROL SCHEMATIC FOR ADDITIONAL REQUIREMENTS.
23. PROVIDE ROUGH-IN, CONDUIT, AND WIRING FOR HOOD FIRE SUPPRESSION ACTIVATION STATION. COORDINATE EXACT REQUIREMENTS WITH KITCHEN VENDOR SHOP DRAWINGS.
24. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/1P BREAKER IN EXISTING PANEL INDICATED.
25. EXISTING INTERCOM SYSTEM SHALL REMAIN AT LOCATED INDICATED AS PART OF BASE BID. CONTRACTOR SHALL REMOVE EXISTING DEVICES AND CABLING WHERE INDICATED ON PLANS AND REPLACE WITH NEW AS PART OF BASE BID. CONTRACTOR SHALL PROVIDE NEW CABLING BACK TO EXISTING INTERCOM RACK WITH LENGTH TO BE EXTENDED TO UP RACK LOCATED IN STORAGE 127 AS PART OF FUTURE INTERCOM UPGRADE. ALTERNATE PRICE SHALL REMOVE ALL NEW INTERCOM SCOPE FOR A BUILDING-WIDE INTERCOM UPGRADE THAT WOULD BE PART OF A SEPARATE CONTRACT. ALL DEMOLITION SCOPE WOULD REMAIN IN THIS CONTRACT.
26. PROVIDE 30A/240V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
27. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/3P BREAKER IN EXISTING PANEL INDICATED.
28. PROVIDE NETWORK DROP TO WALK-IN EQUIPMENT FOR TEMPERATURE MONITORING. COORDINATE EXACT LOCATION WITH VENDOR.



ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITIONS AND  
RENOVATIONS

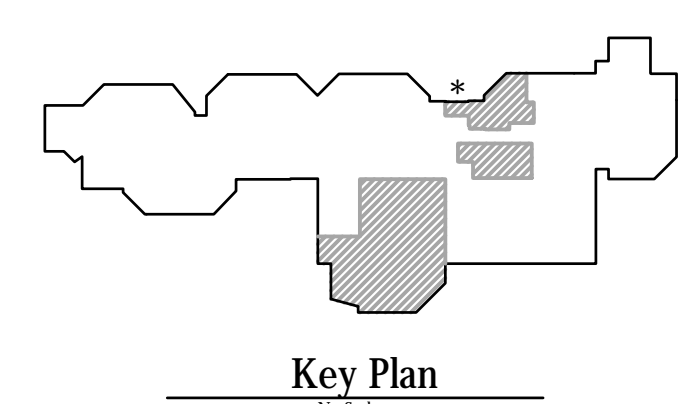
OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

SHEET NUMBER  
PARTIAL FIRST FLOOR PLAN -  
POWER/SYSTEMS - AREA C  
DATE  
APRIL 3, 2024  
**E400C**

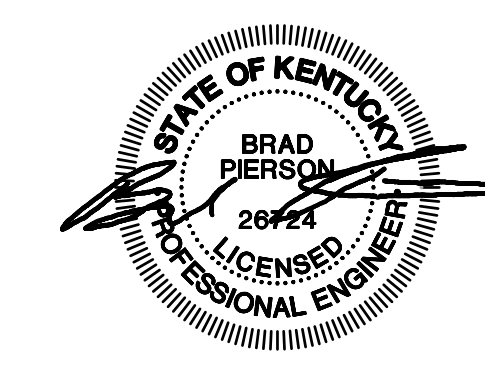
**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any show numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**PARTIAL FIRST FLOOR PLAN - POWER/SYSTEMS - AREA C**  
SCALE: 1/4" = 1'-0"

1  
E400C



**CMTA**  
A L.L. BERKELEY Company  
10411 Meeting Street,  
Prospect, Kentucky 40059  
502.326.3085 f.502.326.2691  
www.cmta.com



ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITIONS AND  
RENOVATIONS

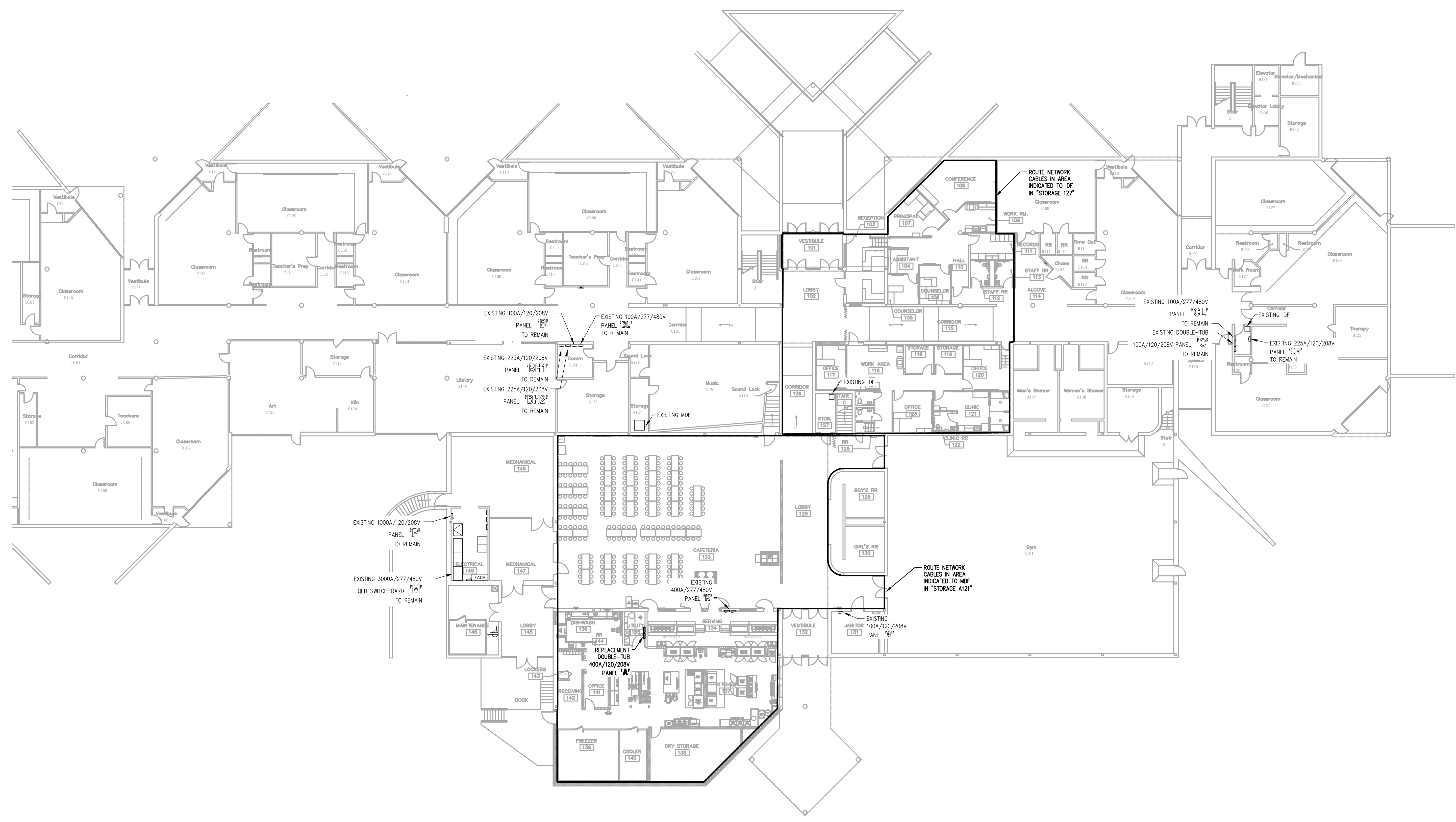
OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

SHEET TITLE  
ELECTRICAL INTERCONNECTIONS PLAN  
DATE  
APRIL 3, 2024  
SHEET NUMBER  
**E500**

- GENERAL INTERCONNECTION NOTES :**
- THE CONTRACTOR SHALL VISIT SITE AND VERIFY THAT HE IS ABLE TO INSTALL PULL BOXES AS REQUIRED AND CONDUITS AS INDICATED. IF THERE IS A CONFLICT, CONTRACTOR SHALL NOTIFY ENGINEER 10 DAYS PRIOR TO BID. NO PRICE CHANGE WILL BE GIVEN FOR ANY ALTERNATE ROUTINGS OF CONDUIT AFTER THE CONTRACT HAS BEEN AWARDED. NOTIFY FACILITY ENGINEER AT LEAST 24 HOURS IN ADVANCE OF ANY VISIT.
  - ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES (WHETHER EXISTING OR NEW).
  - COORDINATE ALL WORK WITH ARCHITECTURAL/MECHANICAL PHASING AND APPROPRIATE FACILITY STAFF. WORK IN CERTAIN AREAS SHALL BE DONE ON WEEKENDS AND/OR AT NIGHT. COORDINATE ALL REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO BID.
  - REMOVE AND RE-INSTALL ALL CEILING TILES, HARD CEILINGS AND GRID MEMBERS NECESSARY TO PERFORM WORK REQUIRED. TO ENSURE NEW REPLACEMENT CEILING TILES MATCH EXISTING TILES, ETC. IN AREA, THE CONTRACTOR SHALL REMOVE TILES FROM DESIGNATED ROOM(S) AND USE THESE TO REPLACE DAMAGED CEILING TILES. ALL NEW CEILING TILES SHALL BE INSTALLED IN "DESIGNATED" ROOM(S) AT CLOSE OF PROJECT. COORDINATE "DESIGNATED" ROOM(S) WITH FACILITY ENGINEER. REPLACE TILES WITH NEW IF ACCEPTABLE OWNER.

**TAGGED NOTES :**

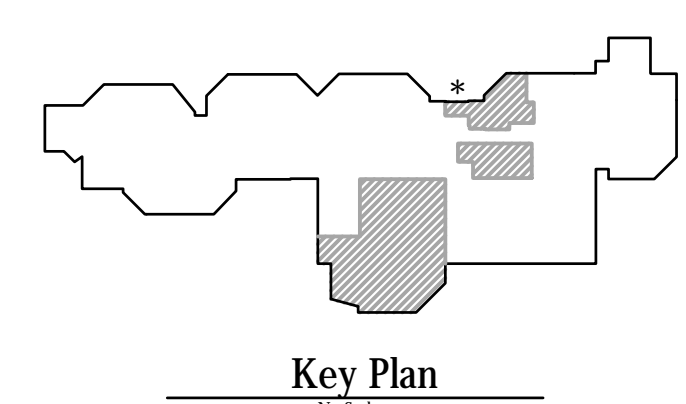
- NOT USED.



**PARTIAL FIRST FLOOR PLAN - ELECTRICAL INTERCONNECTIONS**  
SCALE: 1/16" = 1'-0"

1  
E50

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**CMTA**  
A L. B. COMPANY  
10411 Meeting Street,  
Prospect, Kentucky 40059  
502.326.3065 F 502.326.2691  
www.cmta.com



LIGHT FIXTURE SCHEDULE :

TYPE	DESCRIPTION	MODEL	LAMPS	REMARKS	VOLTAGE
A2	RECESSED LAY-IN 2'x4' DIMMABLE LED FLAT PANEL WITH ALUMINUM HOUSING, POLYCARBONATE LENS AND FLANGE MOUNTING KIT FOR HARD CEILING	TOS #88-24-FMK-36-35-L-F HUBBELL EQUAL COOPER EQUAL PHILIPS EQUAL	5500 LUMENS @50 INPUT WATTS	0-10V DIMMABLE DRIVER WITH LESS THAN 10% THD BALLAST.	UNV
B1	SAME AS "A2" EXCEPT WITH 2'x2' HOUSING	TOS #88-22-FMK-36-35-L-F HUBBELL EQUAL COOPER EQUAL PHILIPS EQUAL	4400 LUMENS @40 INPUT WATTS	0-10V DIMMABLE DRIVER WITH LESS THAN 10% THD BALLAST.	UNV
C	PENDANT LED RING FIXTURE	SPI # API1997-L226W-120/277V-4000K-80-DIM1-H10-FB00-MA-MB02 OR EQUAL	23,088 LUMENS @226 INPUT WATTS	PROVIDE AIRCRAFT CABLING AS REQUIRED TO MOUNT EACH FIXTURE AT 24"-0" AFF.	UNV
D	4" RECESSED CAN LIGHT FIXTURE	HALO # HC4-20-0010-HM4-12-840-41-MD-C OR EQUAL	2000 LUMENS @22 INPUT WATTS		UNV
EW	20W EMERGENCY REMOTE BATTERY WITH SELF-DIAGNOSTICS	SURE-LITES # INV20-NC-S-SD OR EQUAL			UNV
H	48" INDUSTRIAL STRIP FIXTURE	LITHONIA # Z1LD-48-ASR-3000LM-FST-MVOLT-40K-80CRI COOPER EQUAL LIGHTOLIER EQUAL HUBBELL EQUAL	3000 LUMENS @25 INPUT WATTS		UNV
K1	2'x2' LAY-IN LED TROFFER WITH FLAT WHITE EXTRUDED ALUMINUM DOOR FRAME, WITH NEOPRIME GASKETING AND INVERTED A12.125 LENS	LITHONIA #26TL2 40L RW A12125 G21 LP355 CLR ABC LATIC COOPER EQUAL LIGHTOLIER EQUAL	4000 LUMENS @35 INPUT WATTS	0-10V DIMMABLE DRIVER TO 1%.	UNV
K2	2'x4' LAY-IN LED TROFFER WITH FLAT WHITE EXTRUDED ALUMINUM DOOR FRAME, WITH NEOPRIME GASKETING AND INVERTED A12.125 LENS	LITHONIA #26TL4 72L RW A12125 G21 LP355 CLR ABC LATIC COOPER EQUAL LIGHTOLIER EQUAL	7200 LUMENS @53 INPUT WATTS	0-10V DIMMABLE DRIVER TO 1%.	UNV
X1	UNIVERSAL MOUNT EXIT SIGN, INTEGRAL BATTERY	LITHONIA # LQC-W-R-ELN COOPER EQUAL LIGHTOLIER EQUAL HUBBELL EQUAL	LED		UNV
EB	125W REMOTE EMERGENCY BATTERY INVERTER	ISOLITE #ESMINI 125 LC MB COOPER EQUAL LIGHTOLIER EQUAL HUBBELL EQUAL	166 INPUT WATTS	COORDINATE LOCATION WITH EQUIPMENT TO ALLOW ACCESS FOR MAINTENANCE AND TESTING.	UNV
WL1	LED VANITY LIGHT WITH EXTRUDED ALUMINUM HOUSING AND ACRYLIC DIFFUSER	BROWNLEE LIGHTING # FLOW-RD-MINI-1260-BN-X-HOB-BN-40K COOPER EQUAL LIGHTOLIER EQUAL	750 LUMENS @8 INPUT WATTS		UNV
W	EXTERIOR WALL MOUNT LED FIXTURE WITH DIE CAST ALUMINUM HOUSING, IMPACT-RESISTANT TEMPERED GLASS LENS WITH MULTIPLE LIGHT ENGINES	LITHONIA #WST LED P3 40K VW MVOLT SF COOPER EQUAL LIGHTOLIER EQUAL	7200 LUMENS @53 INPUT WATTS	FIXTURE SHALL HAVE FULL CUTOFF. FIXTURE SHALL BE MOUNTED AT 10'-0" AFF UNLESS NOTED OTHERWISE. FINISH SHALL BE BLACK.	UNV

LIGHTING CONTROLS SEQUENCE OF OPERATIONS:

- DAYLIGHT PHOTOCELL OPERATION: DEVICE SHALL BE SET TO MAINTAIN DESIGNED ARTIFICIAL ILLUMINATION LEVEL IN EACH ZONE/AREA.
- ALL LUMINAIRES WITHIN A DAYLIGHT ZONE SHALL BE SEPARATELY CONTROLLED FROM THE REST OF THE GENERAL LIGHTING IN THE SPACE. THESE LUMINAIRES SHALL BE CONTROLLED USING AUTOMATIC DAYLIGHT HARVESTING CONTROLS. THE DAYLIGHT HARVESTING CONTROLS SHALL PROVIDE SMOOTH AND CONTINUOUS DIMMING. DIMMING SHALL BE INITIATED WHEN TOTAL ILLUMINATION (COMBINED DAYLIGHT AND ELECTRIC LIGHTING) REACHES 150% OF THE MAINTAINED DESIGN ILLUMINANCE PROVIDED BY THE ELECTRIC LIGHTING ONLY.
- VACANCY SENSOR OPERATION: DEVICE SHALL BE MANUAL ON AND AUTOMATIC OFF. LIGHTING TO TURN OFF AFTER 20 MINUTES OF NO OCCUPANCY.
- OCCUPANCY SENSOR OPERATION: DEVICE SHALL BE AUTOMATIC ON AND AUTOMATIC OFF. LIGHTING TO TURN OFF AFTER 15 MINUTES OF NO OCCUPANCY.
- VACANCY SENSOR WITH DIMMING CONTROLS: PROVIDE 70% OF LIGHT IN ZONE WHEN WALL SWITCH IS ACTIVATED. OCCUPANT SHALL BE ABLE TO ADJUST FROM 0% TO 100% 'ON' WITH RAISE/LOWER BUTTONS.
- OCCUPANCY SENSOR WITH DIMMING CONTROLS: PROVIDE 70% OF LIGHT IN ZONE WHEN OCCUPANCY SENSOR IS ACTIVATED. OCCUPANT SHALL BE ABLE TO ADJUST FROM 0% TO 100% 'ON' WITH RAISE/LOWER BUTTONS.
- OCCUPANCY SENSOR CONTROL ZONES WITHOUT MANUAL OR DIGITAL SWITCHING SHALL BE CONTROLLED BY OCCUPANCY SENSORS ONLY.
- INTERIOR LIGHTING RELAY CABINET(S) WITH OCCUPANCY SENSOR OVERRIDES:
  - TEMPERATURE CONTROLS CONTRACTOR SHALL INTERFACE WITH BUILDING AUTOMATION SYSTEM.
  - OCCUPIED AND UNOCCUPIED SCHEDULES VIA THE BUILDING AUTOMATION SYSTEM TIME CLOCK AND USER SCHEDULES.
- OCCUPIED MODE: ALL RELAYS SHALL CLOSE, INTERIOR LIGHT FIXTURES 'ON'.
- DURING OCCUPIED MODE, OCCUPANTS SHALL BE ABLE TO CONTROL LIGHT FIXTURES FROM LOCAL SWITCHES AND DIMMERS.
- UNOCCUPIED MODE: ALL RELAYS SHALL OPEN AND TURN ALL INTERIOR LIGHT FIXTURES 'OFF'.
- EXIT SIGNS, EMERGENCY LIGHTING CHARGING, SENSING CIRCUITS AND NIGHT LIGHTS SHALL REMAIN 'ON', BYPASS RELAYS.
- WHEN AN OCCUPANCY SENSOR IS INITIATED, LIGHTS IN CONTROL ZONE ASSOCIATED WITH OCCUPANCY SENSOR TURN 'ON' FOR 20 MINUTES.
- EXTERIOR LIGHTING CONTRACTOR CABINET(S):
  - EXTERIOR LIGHTING INCLUDES BUILDING MOUNTED LIGHTING.
  - EXTERIOR LIGHTING SHALL BE CONTROLLED VIA BUILDING AUTOMATION SYSTEM.
  - EXTERIOR SCHEDULE SHALL BE VIA THE BUILDING AUTOMATION SYSTEM TIME CLOCK AND PHOTOCELL.
- INTERIOR LIGHTING SEQUENCE OF OPERATION:
  - INTERIOR LIGHTING SHALL BE CONTROLLED VIA STAND-ALONE OCCUPANCY SENSORS.
  - OCCUPANCY SENSORS SHALL BE INTO BAS AS INDICATED BY DETAILS.
  - REFER TO COMMON AREA LIGHTING CONTROL ZONE DIAGRAMS. ZONES HAVE BEEN GIVEN A DESIGNATION FOR CLARITY. OCCUPANCY SENSORS IN EACH ZONE SHALL BE TIED TOGETHER AND SHALL CONTROL LIGHT FIXTURES WITH IN EACH ZONE VIA POWER PACKS.
  - AREAS SUCH AS CLASSROOMS, STORAGE ROOMS, CONFERENCE ROOMS, OFFICES, ETC HAVE BEEN INDICATED ON LIGHTING CONTROL ZONE DIAGRAM FOR CLARITY. OCCUPANCY SENSORS IN THESE AREAS SHALL BE TIED TOGETHER AND CONTROL LIGHTING IN RESPECTIVE AREA/ROOM.

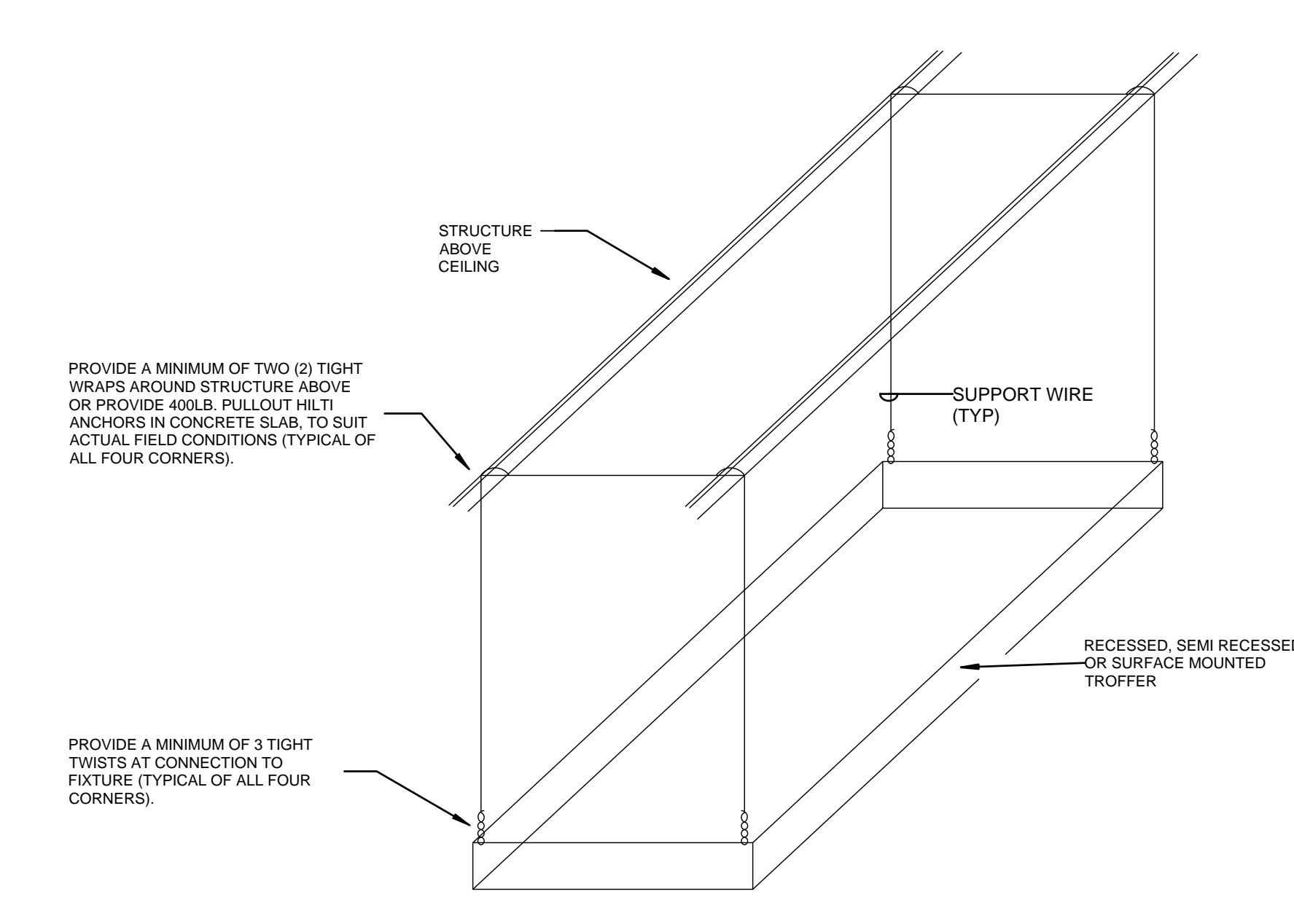
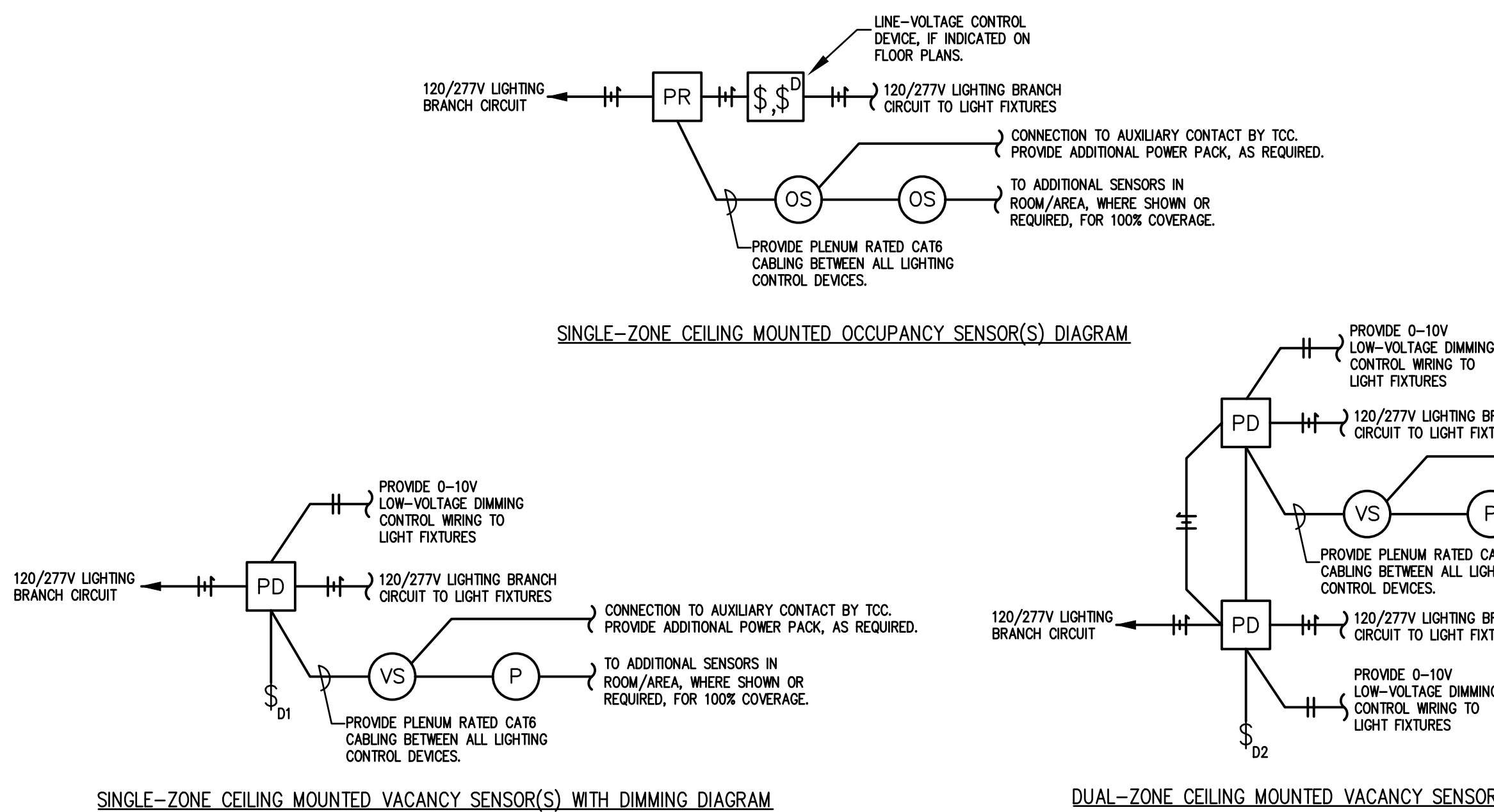
GENERAL LIGHTING CONTROL NOTES:

- PROVIDE  $\square$  AND  $\square$  FOR NON-DIMMABLE ZONES.
- PROVIDE  $\square$  AND  $\square$  WHEN CONTROLLING EMERGENCY LIGHTING BRANCH CIRCUIT.
- VERIFY ALL WIRING REQUIREMENTS WITH MANUFACTURER OF LIGHTING CONTROL DEVICES PRIOR TO ROUGH-IN. THIS SCHEMATIC DIAGRAM IS MEANT TO BE ILLUSTRATIVE ONLY.
- LIGHTING CONTROL SYSTEM SHALL COMPLY WITH ENERGY CODE.
- LIGHTING CONTROL DEVICES SHALL BE SENSOR SWITCH (A/LIGHT), WATSTOPPER (DLM) OR COOPER CONTROLS. ALL DEVICES SHALL BE FURNISHED BY ONE MANUFACTURER.
- ALL LIGHTING CONTROLS SHALL BE STAND-ALONE. SYSTEMS THAT REQUIRE HEAD-END SOFTWARE ARE NOT ACCEPTABLE.
- CILING SENSORS AND PHOTOCELLS SHALL NOT BE SUPPORTED BY THE CEILING TILES. PROVIDE MOUNTING BRACKET TO SUPPORT SENSORS AND PHOTOCELLS FROM THE CEILING GRID.
- ALL POWER PACKS AND RELAYS SHALL BE CONCEALED, READILY ACCESSIBLE AND LOCATED ABOVE AN ACCESSIBLE CEILING.
- ALL OCCUPANCY AND VACANCY SENSORS SHALL BE DUAL-TECHNOLOGY TYPE.
- PROVIDE J-HOOKS ON 2' CENTERS ABOVE ACCESSIBLE CEILING FOR ALL LOW-VOLTAGE CABLING. J-HOOK INSTALLATION SHALL NOT INTERFERE WITH REMOVAL OF CEILING TILES. ADD SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE AREAS WALLS. PROVIDE CABLING IN CONDUIT IF CEILING IS OPEN OR ABOVE INACCESSIBLE CEILING.
- PROVIDE AN EXTRA 1' OF COILED-UP, LOW-VOLTAGE CONTROL WIRING ABOVE ALL CEILING MOUNTED OCCUPANCY/VACANCY SENSOR AND PHOTOCELLS.
- ALL DIGITAL WALL STATIONS SHALL HAVE CUSTOM ENGRAVED BUTTONS. EXACT ENGRAVING SHALL BE COORDINATED DURING SHOP DRAWING REVIEW.
- ALL CONTROL STATIONS SHALL HAVE FACTORY ENGRAVED BUTTON FACES.
- WHERE MULTIPLE CIRCUITS SERVE ONE ZONE, PROVIDE ADDITIONAL POWER PACKS AS REQUIRED TO CONTROL ALL CIRCUITS IN ZONE TOGETHER. PROVIDE ALL ACCESSORIES, DEVICES AND CABLING FOR OPERATION AS DESCRIBED.
- ALL 0-10V WIRING AND CATEGORY CABLING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR FOR A COMPLETE AND OPERATIONAL SYSTEM.
- THE INTERFACE CONNECTION FROM THE POWER PACKS AUXILIARY RELAYS TO THE BUILDING AUTOMATION SYSTEM SHALL BE PROVIDED BY THE TEMPERATURE CONTROLS CONTRACTOR (TCC).
- PROVIDE REMOTE TEST SWITCHES FOR EMERGENCY RELAY CONTROLLERS 'ER' AND/OR 'ET' LOCATED ABOVE ACCESSIBLE CEILING. TEST SWITCH SHALL BE LOCATED WITHIN THE AREA THAT THE 'ET' IS SERVING. COORDINATE EXACT LOCATION WITH ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN.
- ADJUST SENSOR LOCATION AND SENSITIVITY LEVELS TO MINIMIZE NUISANCE TRIPPING AND FALSE OFF'S.
- SET AUTOMATIC OFF INTERVAL AT 20 MINUTES.
- POWER PACKS LOCATED IN GYMNASIUMS AND AREAS SUBJECT TO DAMAGE SHALL BE INSTALLED IN A NEMA 1 METAL ENCLOSURE.
- SUBMIT FULL SIZE MANUFACTURER SHOP DRAWINGS, WITH BILL OF MATERIALS, INDICATING ALL DEVICE LOCATIONS, OCCUPANCY/VACANCY SENSOR COVERAGE PATTERNS AND RISER DIAGRAMS. PROVIDE ADDITIONAL OCCUPANCY SENSORS, AS REQUIRED, FOR 100% COVERAGE.
- CONTRACTOR SHALL VERIFY ALL ROOM NAMES AND NUMBERS USED FOR LABELING IS IN ACCORDANCE WITH FINAL DESIGNATIONS CHOSEN BY THE OWNER AND ARCHITECT.
- EXACT LOCATION OF ALL DEVICES SHALL BE INDICATED ON RECORD/AS-BUILT DRAWINGS.
- EXTRA MATERIALS: PROVIDE TWO (2) OF EACH LIGHTING CONTROL DEVICE UTILIZED. EXTRA MATERIALS SHALL BE HANDER OVER TO THE OWNER AT SUBSTANTIAL COMPLETION.
- FURNISH ALL REQUIRED CONTROL WIRING AND ALL COMPONENTS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
- COORDINATE AL DEVICE BACK BOX SIZES, LOCATIONS, MOUNTING HEIGHTS, ETC. WITH MANUFACTURER RECOMMENDATIONS AND WIRING DIAGRAM PRIOR TO CONSTRUCTION.

LIGHTING CONTROL LEGEND

LIGHT SWITCH, SPEC. GENERAL PURPOSE	SEE SPEC.	\$
LIGHT SWITCH, 3-WAY	SEE SPEC.	\$3
FULL RANGE SLIDE DIMMER WITH ON/OFF BUTTON, 277VAC RATED	LEVITON WATSTOPPER	\$0
DIGITAL WALL SWITCH, ON/OFF, SINGLE ZONE	SENSOR SWITCH FROM WATSTOPPER	\$11
DIGITAL ON/OFF WALL SWITCH WITH DIMMING, SINGLE ZONE	SENSOR SWITCH FROM WATSTOPPER	\$01
OCCUPANCY SENSOR WALL SWITCH, DUAL TECHNOLOGY, SINGLE POLE (BOW AT 120VAC, 1200W AT 277VAC)	SENSOR SWITCH FROM WATSTOPPER	\$06
VACANCY SENSOR WALL SWITCH, DUAL TECHNOLOGY, SINGLE POLE (BOW AT 120VAC, 1200W AT 277VAC)	SENSOR SWITCH FROM WATSTOPPER	\$06
OCCUPANCY SENSOR WALL SWITCH WITH 0-10V DIMMING, DUAL TECHNOLOGY, SINGLE POLE	SENSOR SWITCH FROM WATSTOPPER	\$010
CEILING MOUNTED EXTENDED RANGE DUAL-TECHNOLOGY OCCUPANCY SENSOR, WITH AUXILIARY RELAY FOR CONNECTION TO BAS BY TCC.	SENSOR SWITCH FROM WATSTOPPER	\$0
	SENSOR SWITCH FROM WATSTOPPER	\$0

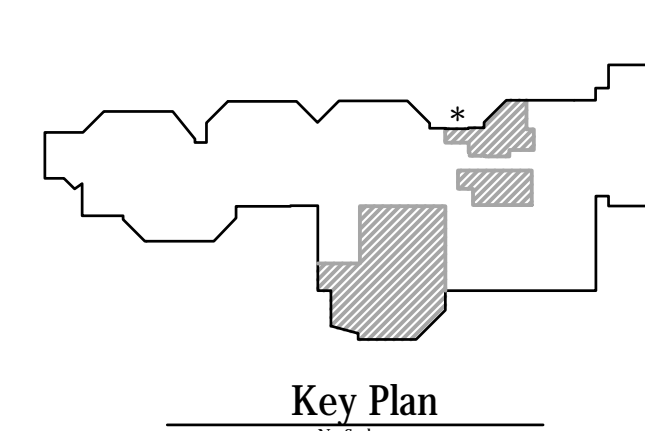
- OCCUPANCY SENSORS SHALL BE PROGRAMMED AS MANUAL ON, AUTOMATIC OFF.
- VACANCY SENSORS SHALL BE PROGRAMMED AS MANUAL ON, AUTOMATIC OFF.
- OR EQUAL BY WATSTOPPER OR COOPER CONTROLS.
- SENSOR AUTOMATIC OFF INTERVAL TO BE SET AT 20 MIN.
- ADJUST SENSOR LOCATION AND SENSITIVITY LEVELS TO MINIMIZE NUISANCE TRIPPING AND FALSE OFF'S.
- ALL DEVICES SHALL BE LOCATED IN ACCESSIBLE LOCATIONS APPROVED BY ENGINEER.
- REFER TO SPECIFICATION FOR DEVICE FINISHES.



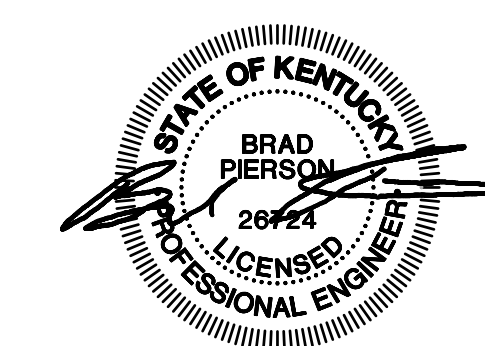
1 STAND-ALONE LIGHTING CONTROL DETAILS  
SCALE: NONE

2 TROFFER SUPPORT DETAIL  
SCALE: NONE

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any show numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**CMTA**  
A L. Company  
10411 Meeting Street,  
Prospect, Kentucky 40059  
502.326.3085 | 502.326.2691  
www.cmta.com

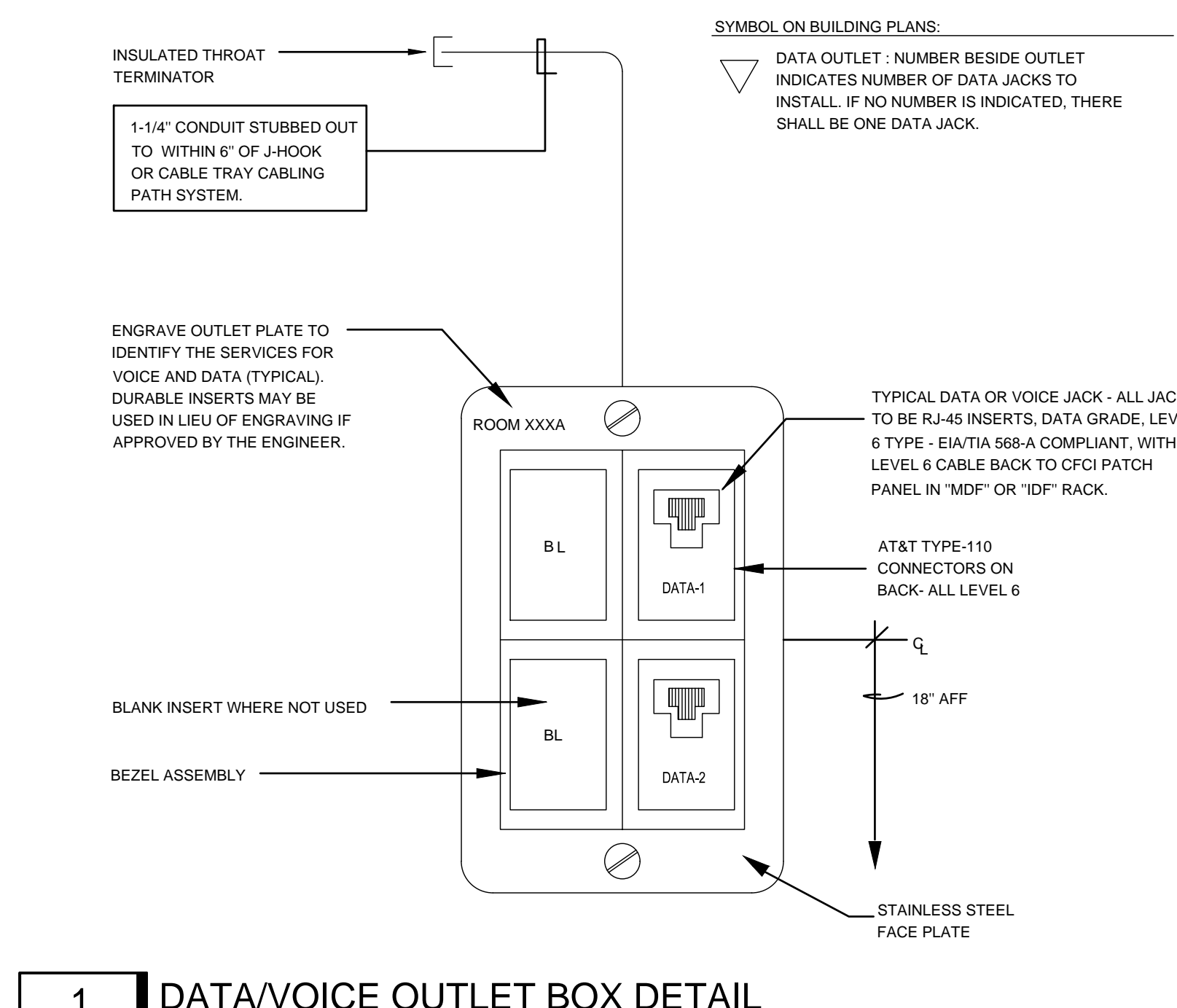


ISSUED FOR DATE  
Public Bidding 04-03-2024

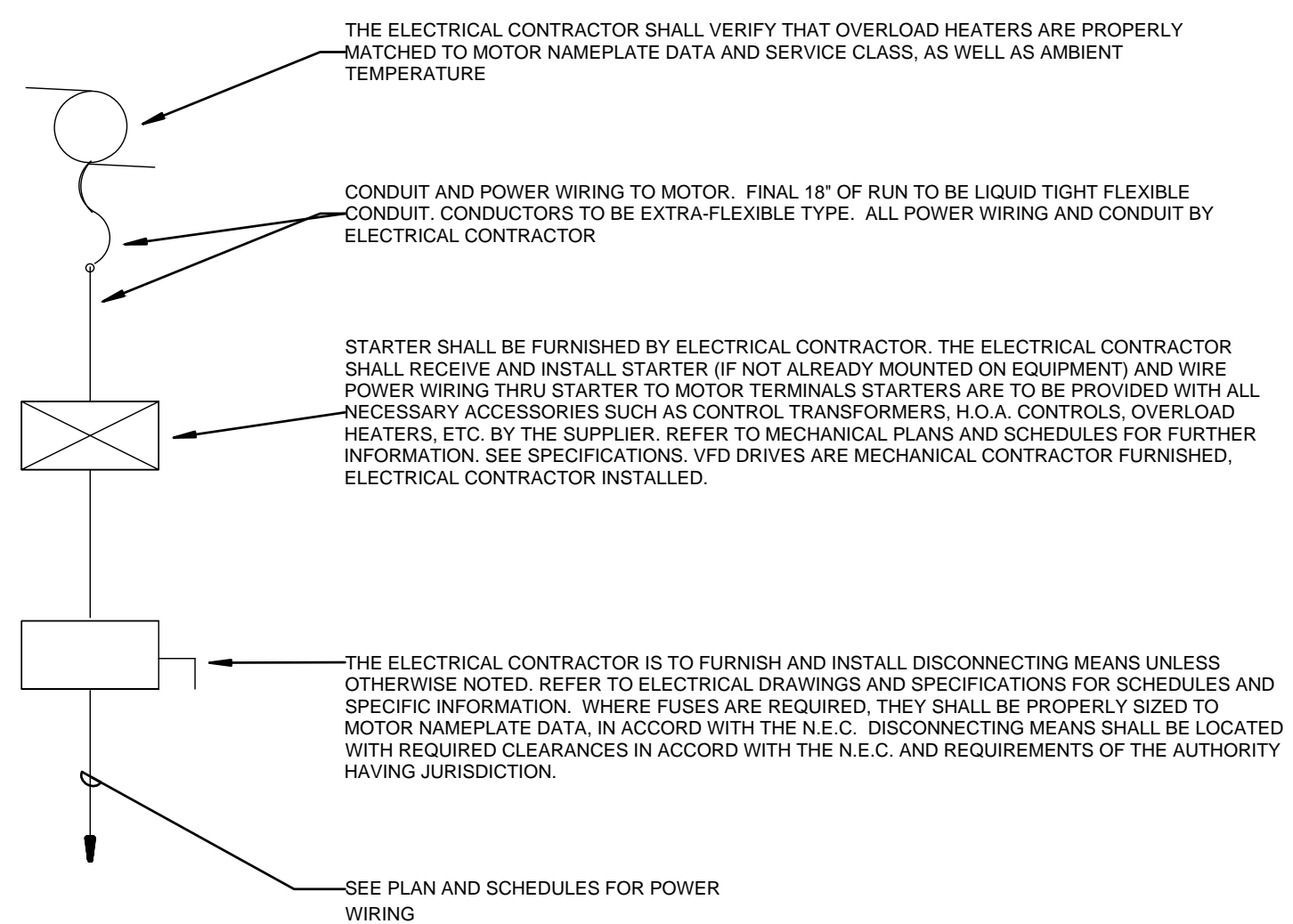
PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITIONS AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

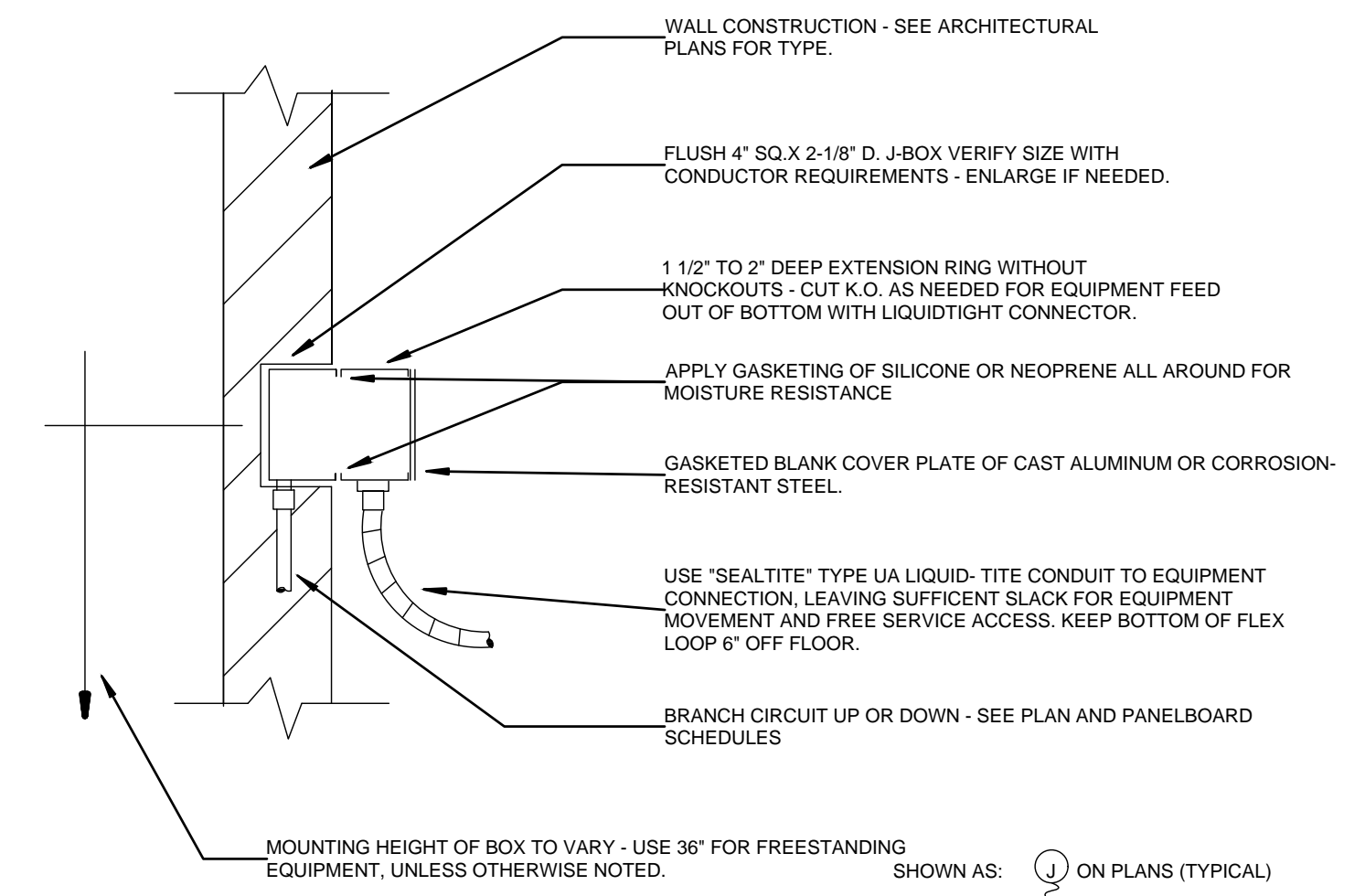
SHEET TITLE  
ELECTRICAL DETAILS  
SHEET NUMBER  
E602  
DATE  
APRIL 3, 2024



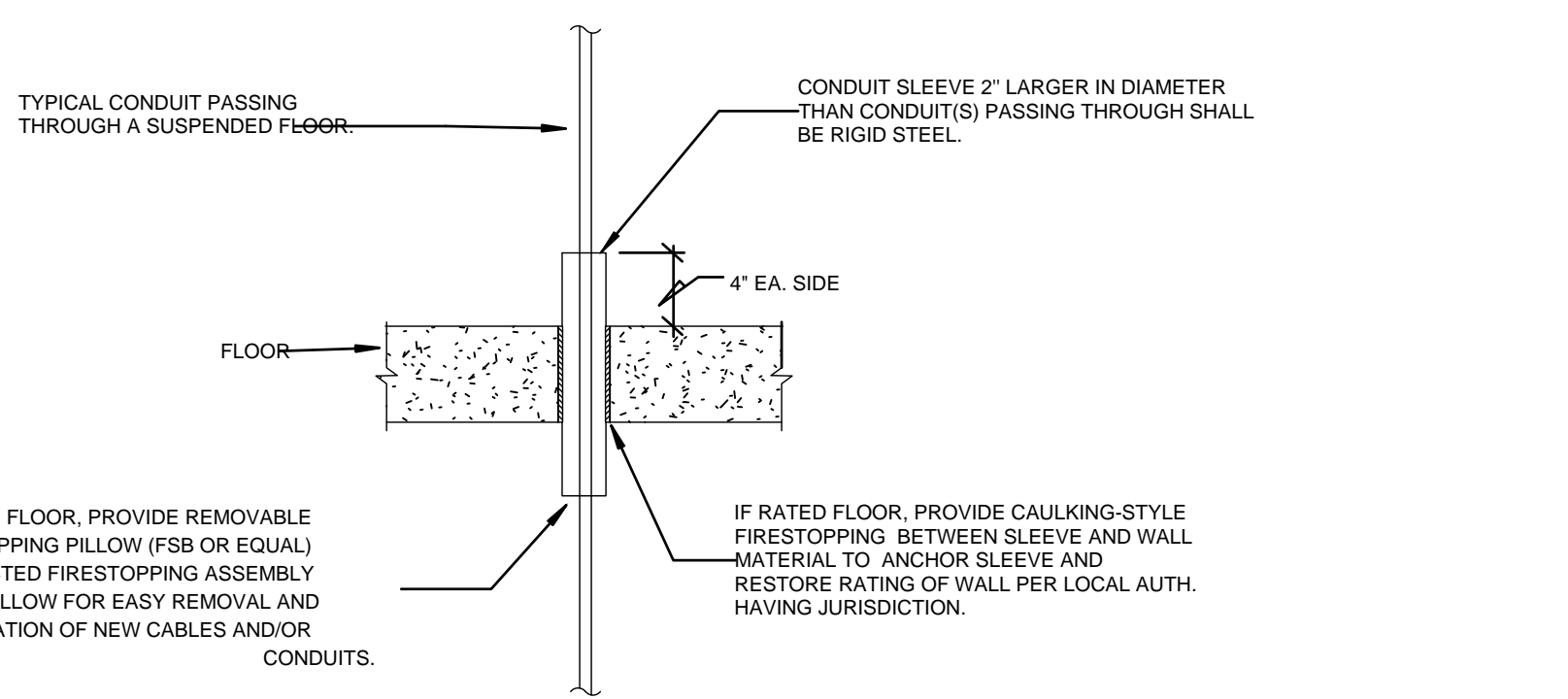
**1 DATA/VOICE OUTLET BOX DETAIL**  
SCALE: NONE



**3 DETAIL OF TYPICAL MOTOR/STARTER INSTALLATION**  
SCALE: NONE

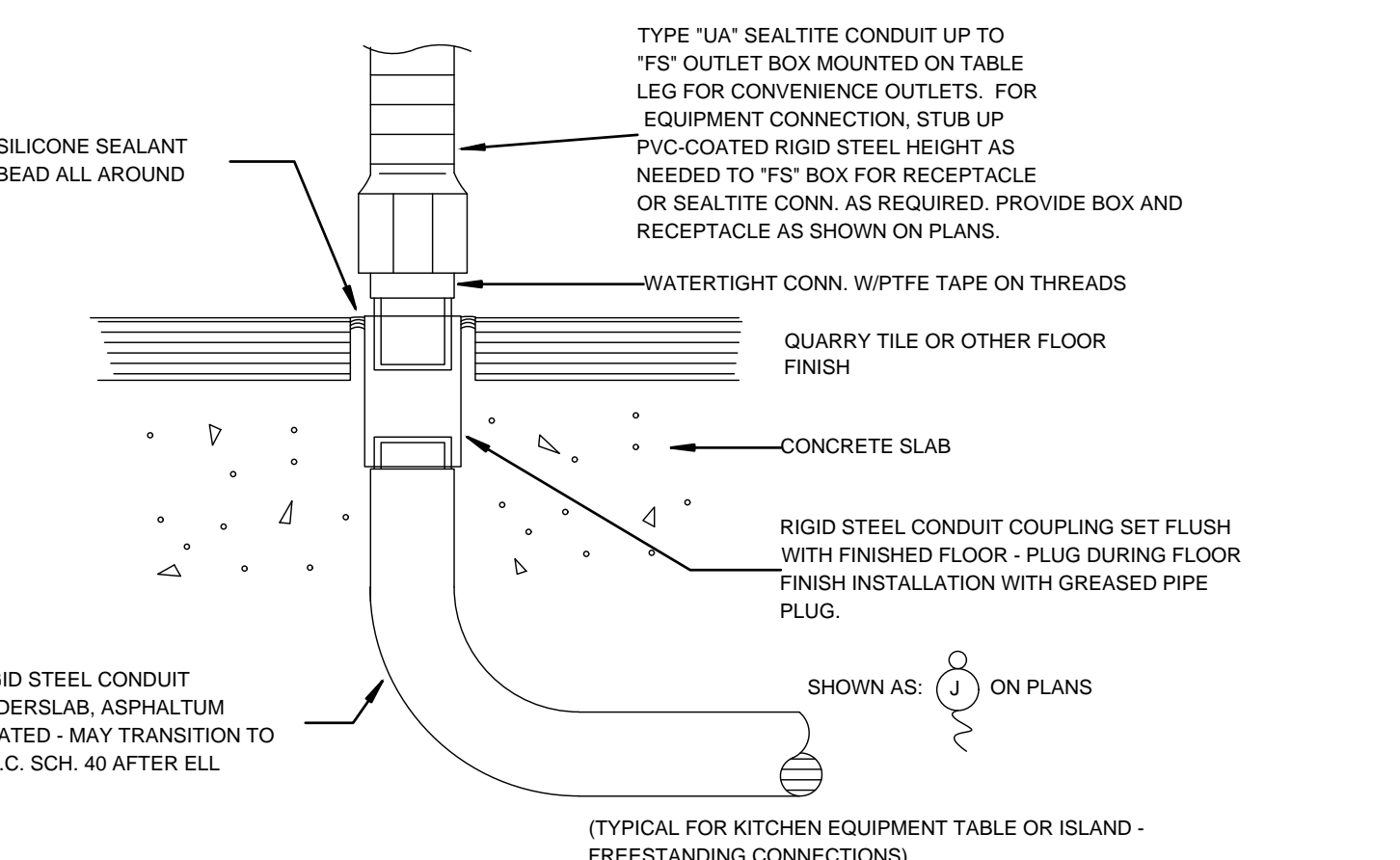


**5 TYPICAL HARD-WIRED CONNECTION**  
SCALE: NONE

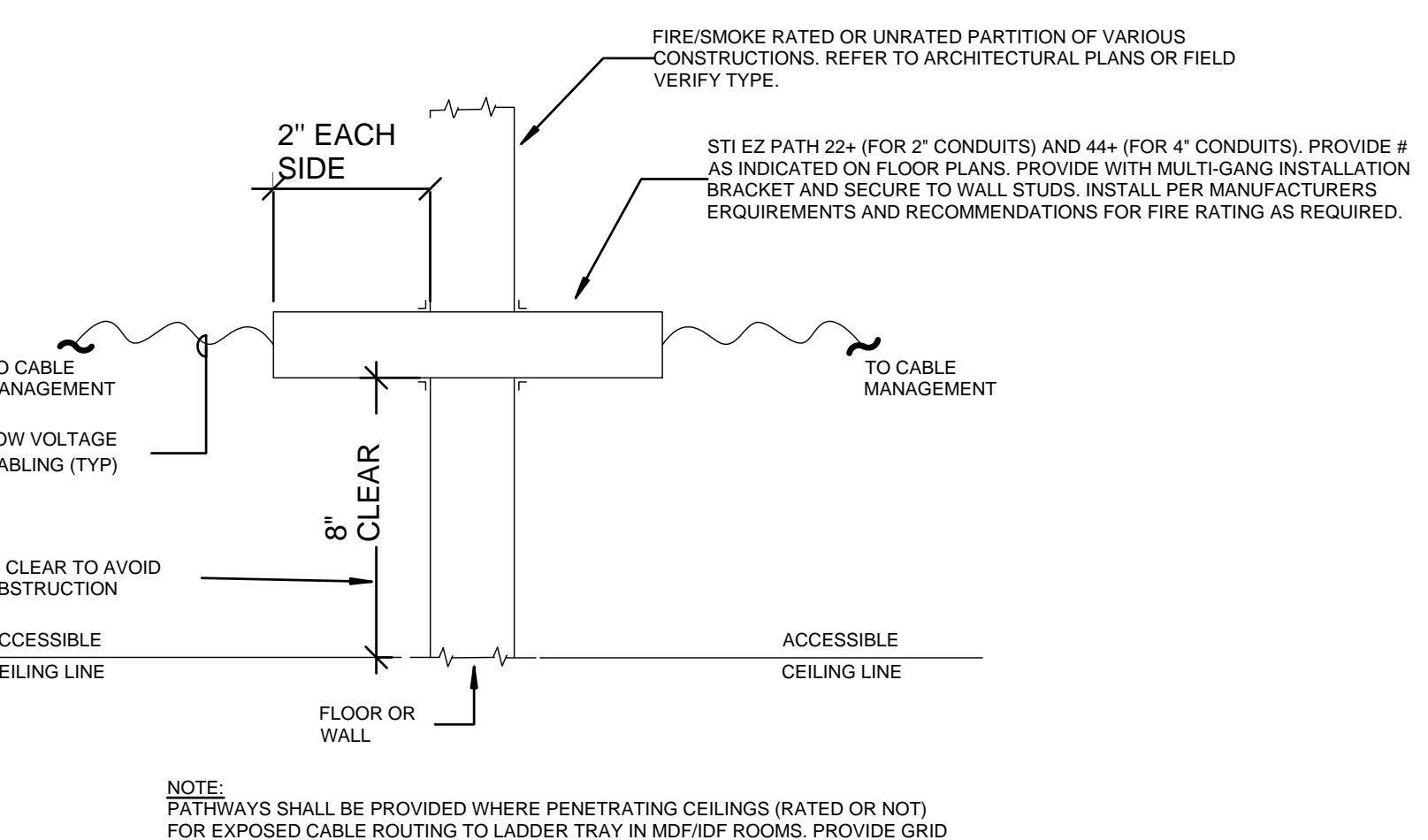


GENERAL FLOOR PENETRATION NOTES:  
• WHERE CONDUITS PENETRATE A FLOOR SLAB AND ARE EXPOSED, PROVIDE SQUARE 4\"/>

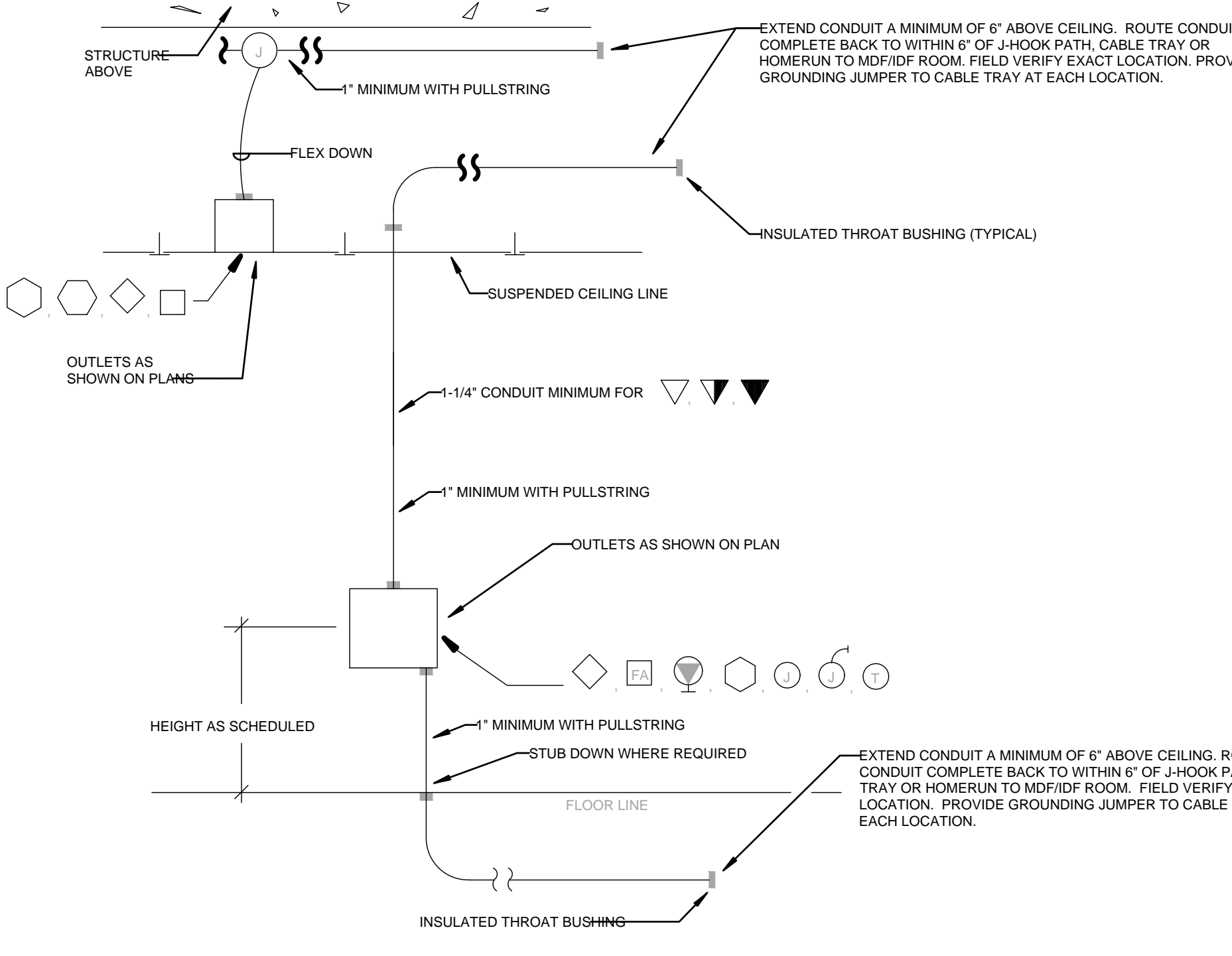
**2 CONDUIT PENETRATION SLEEVE INSTALLATION**  
SCALE: NONE



**4 FLOOR OUTLET COUPLING TO FLEX STUB-UP DETAIL**  
SCALE: NONE

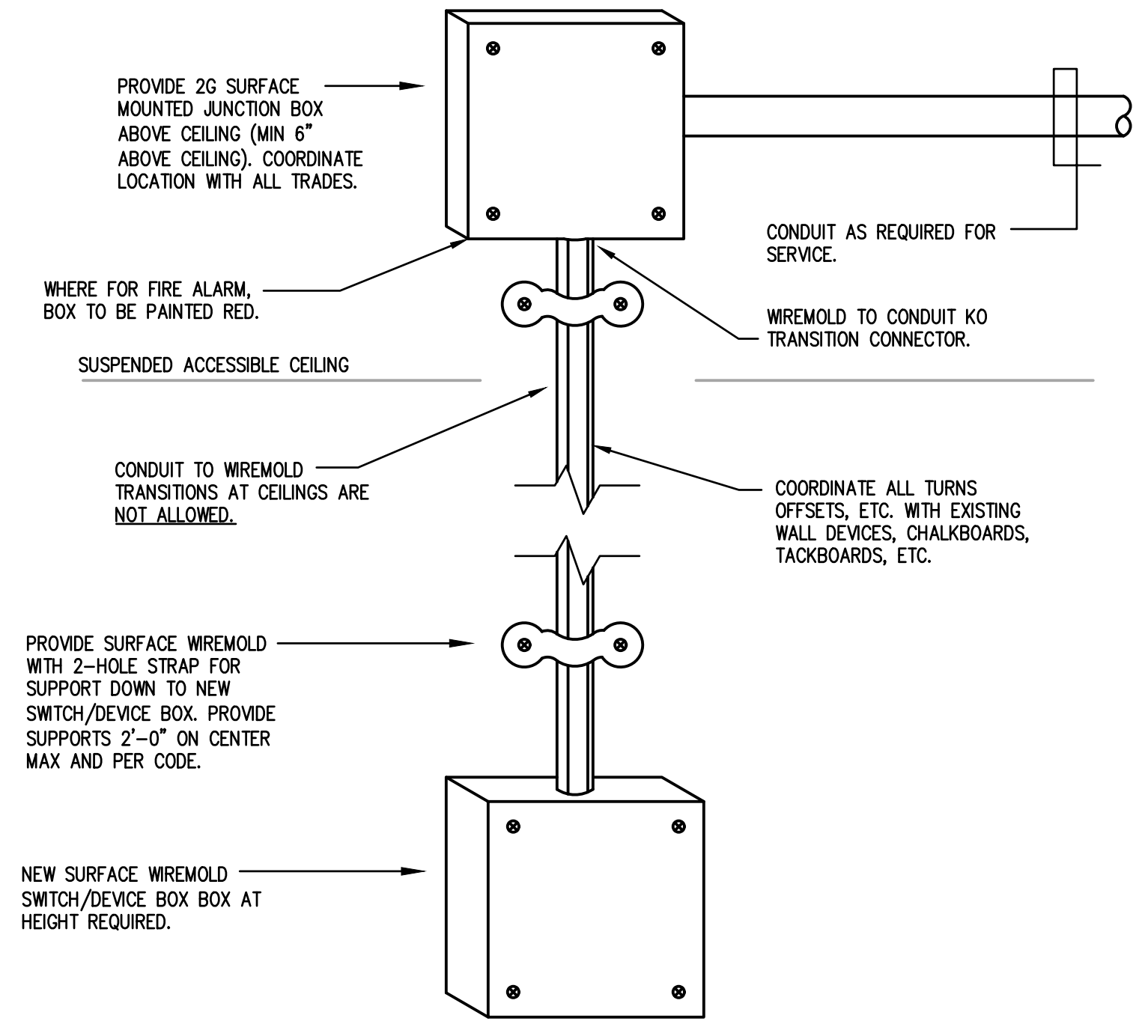


**6 SYSTEMS CABLING SLEEVE INSTALLATION DETAIL**  
SCALE: NONE

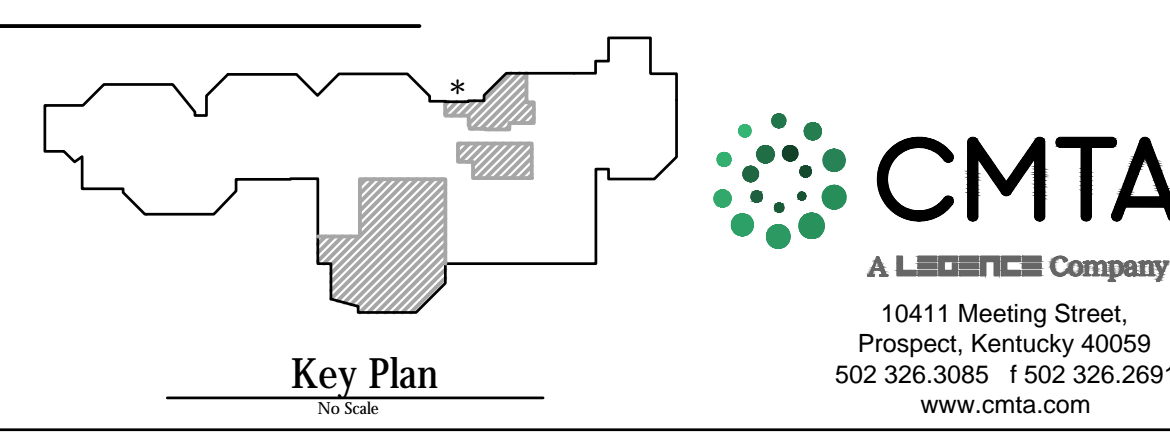


NOTES:  
1. EXTEND CONDUIT TO NEAREST WIRING PATH UNLESS CABLING TERMINATES AT ANOTHER OUTLET IN THE SAME ROOM IN WHICH CASE, STUB CONDUIT OUT ABOVE THE ROOM'S SUSPENDED CEILING. REFER TO GENERAL NOTES LOCATED ON ALL SYSTEMS DRAWINGS.  
2. WHERE OPEN CABLING IS INSTALLED WITHIN ENVIRONMENT AIR PLENUMS, SUCH CABLING SHALL MEET NEC REQUIREMENTS FOR SUCH INSTALLATIONS.  
3. LABEL BACK OF OUTLET BOXES AND ENDS OF CONDUIT WITH UNIQUE NUMBER TO IDENTIFY EACH STUB-UP. USE PERMANENT MARKER PEN, 3/16\"/>

**7 ROUGHING-IN DETAIL FOR STUB-OUTS**  
SCALE: NONE

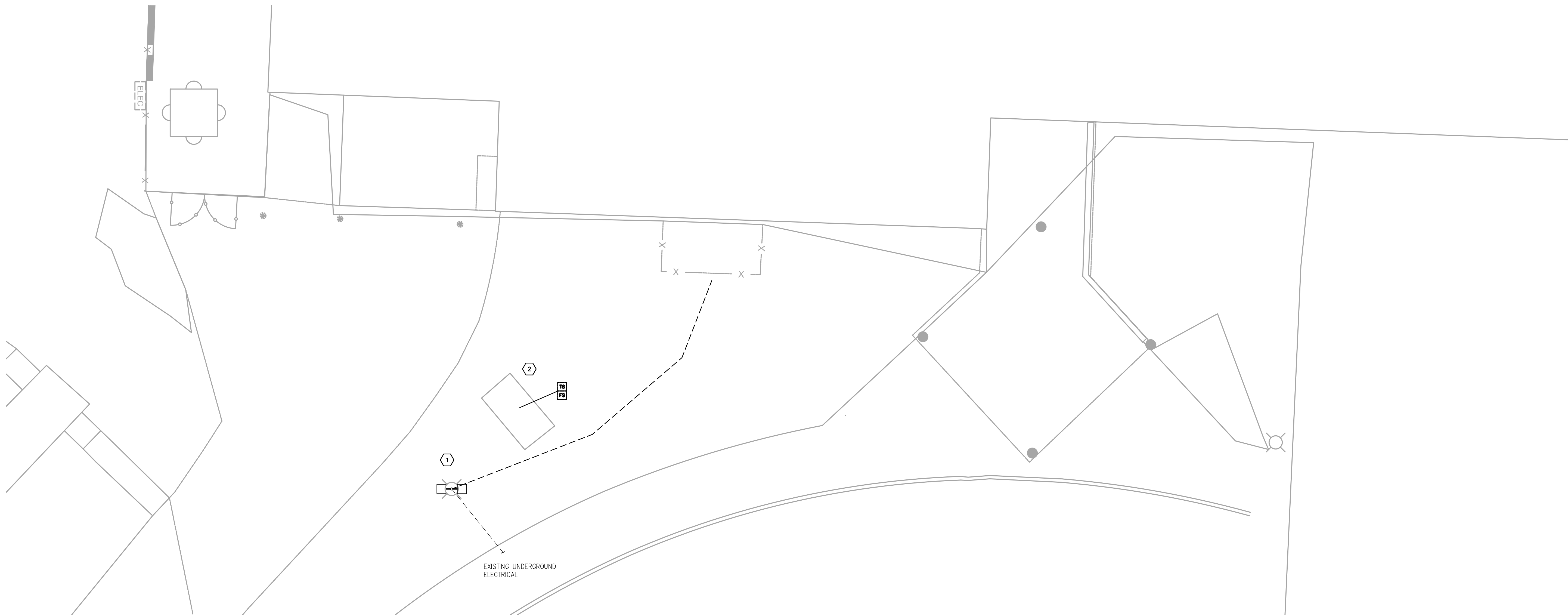


**8 TYPICAL WIREMOLD DEVICE INSTALLATION**  
SCALE: NONE



**CMTA**  
A L. L. BECK Company  
10411 Meeting Street,  
Prospect, Kentucky 40059  
502.326.3085 f.502.326.2691  
www.cmta.com

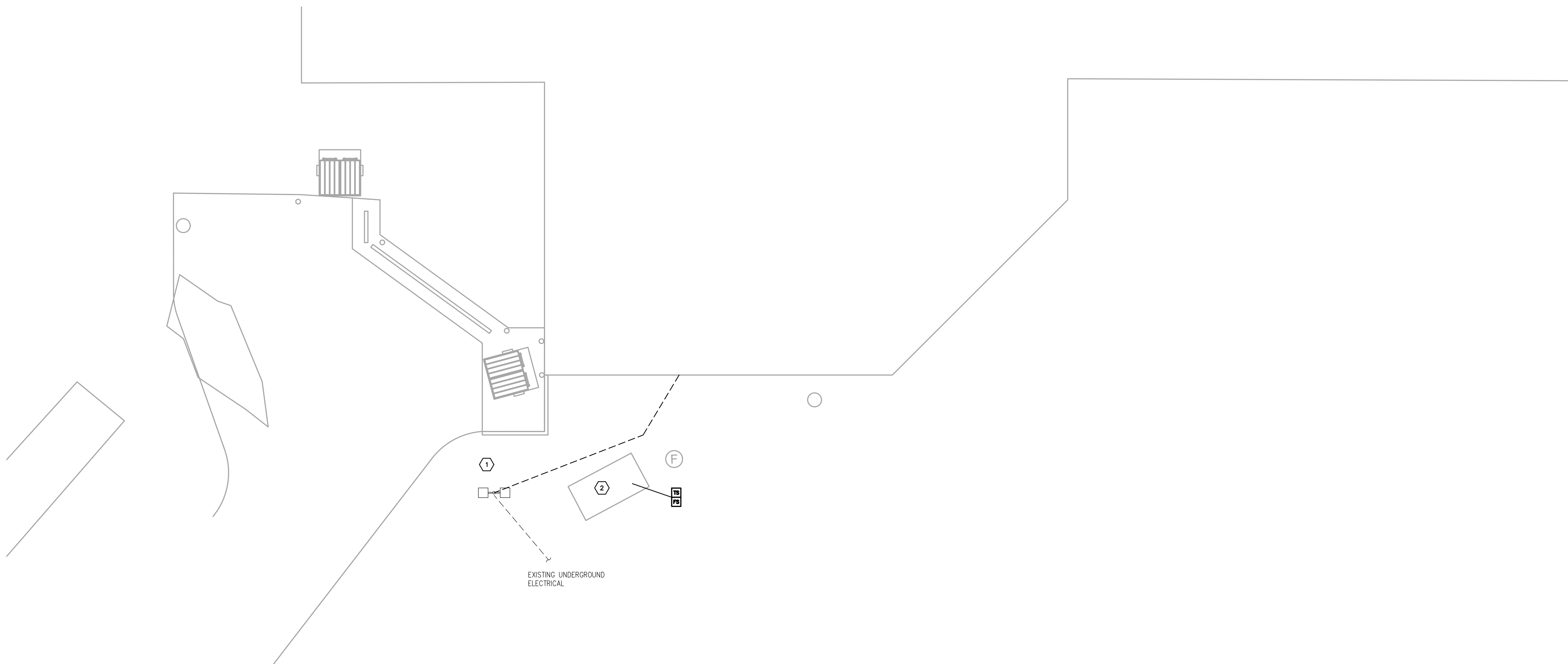
**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any show numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.



**PARTIAL SITE PLAN - ELECTRICAL DEMOLITION**

SCALE: 1/16" = 1'-0"

1  
UE100



**PARTIAL SITE PLAN - NEW ELECTRICAL**

SCALE: 1/16" = 1'-0"

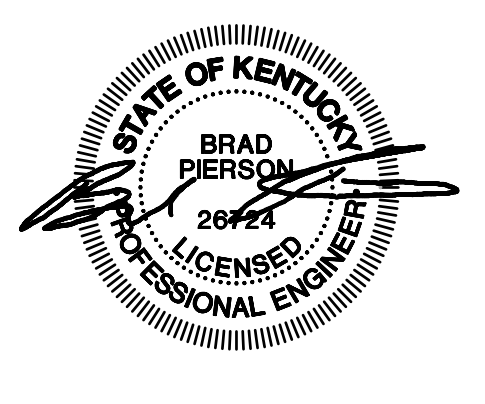
2  
UE100

**GENERAL SITE WORK NOTES :**

- A. DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS AND COORDINATE WITH CIVIL DRAWINGS AND SURVEYS.
- B. REFER ALSO TO ALL OTHER PLANS AND THE SPECIFICATION, BUT ESPECIALLY TO: THE SITE SURVEY, THE ARCHITECTURAL SITE PLAN, THE SITE GRADING PLAN, THE PLANTING PLAN (WHERE AVAILABLE), FOUNDATION PLANS, APPROPRIATE MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE SITE UTILITY PLAN - MECHANICAL & ELECTRICAL. WHERE THERE ARE CONFLICTS AMONG THESE PLANS AND/OR RELATED SPECIFICATIONS, ADVISE THESE ENGINEERS AT LEAST TEN DAYS PRIOR TO SUBMISSION OF BIDS.
- C. ALL FEES AND ANY OTHER COSTS TO UTILITY COMPANIES, MUNICIPALITIES, INSPECTORS, REVIEWING AGENCIES, ETC. ARE TO BE INCLUDED AS A PART OF THIS CONTRACT.
- D. FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.
- E. WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICE IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.
- F. LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGNOSTIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS. EXISTING UTILITIES LOCATIONS MAY VARY. CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS.
- G. PROVIDE LONG RADIUS ELBOWS FOR UNDERGROUND CONDUIT BENDS. WHERE SERVING A UTILITY OWNED TRANSFORMER, THE UTILITY STANDARDS SHALL TAKE PRECEDENCE.
- H. UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE ENGINEER. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES.
- I. PROVIDE GALVANIZED RIGID CONDUIT FOR EXTERIOR UNDERGROUND INSTALLATIONS TO ABOVE GRADE. EXTEND CONDUIT A MINIMUM OF 4' ABOVE GRADE.
- J. CONTRACTOR SHALL PERFORM A SMOKE TEST ON ALL CONDUITS INSTALLED ON SITE AND SHALL TAKE ALL NECESSARY CORRECTIVE ACTION IF NOT FOUND IN COMPLIANCE WITH FACILITY STANDARDS.
- K. CONTRACTOR SHALL CONTACT ENGINEER FOR INSPECTION OF TRENCHES PRIOR TO INSTALLATION OF CONDUITS OR RACEWAYS. PROVIDE PHOTOS UPON REQUEST.
- L. CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED FOR WORK. FINISH GRADE, SEED AND STRAW ALL DISTURBED GREEN SPACES. ALL PATCH AND REPAIR WORK SHALL BE IN ACCORDANCE WITH BOTH CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.

**TAGGED NOTES :**

1. REMOVE EXISTING UNDERGROUND ELECTRICAL CONNECTIONS TO SITE LIGHT POLE AS SHOWN TO ACCOMMODATE BUILDING ADDITION, ROUTE NEW ELECTRICAL FEED FOR SITE LIGHT POLE AS REQUIRED AND RECONNECT TO EXISTING CIRCUIT.
2. RECONNECT EXISTING FIRE ALARM CONNECTIONS FOR FIRE SUPPRESSION SYSTEM VAULT AT NEW LOCATION INDICATED. FIELD VERIFY EXACT CONDITIONS PRIOR TO CONSTRUCTION.



ISSUED FOR DATE  
Public Bidding 04-03-2024

PROJECT TITLE  
NORTH HARRISON  
ELEMENTARY SCHOOL  
2024 ADDITIONS AND  
RENOVATIONS

OWNER  
NORTH HARRISON  
COMMUNITY SCHOOLS  
1115 W WHISKEY RUN RD. NW  
RAMSEY, IN 47166

SHEET NUMBER  
ELECTRICAL SITE PLAN  
DATE  
APRIL 3, 2024  
SHEET NUMBER  
UE100

**Notice**  
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

**Key Plan**

**CMTA**  
A L. B. COMPANY Company  
10411 Meeting Street,  
Prospect, Kentucky 40059  
502.326.3065 | 502.326.2691  
www.cmta.com