Harrison REMC - ADDITION & RENOVATION

1165 OLD FOREST RD, CORYDON, IN 47112
BID DOCUMENTS

DESIGN TEAM

ARCHITECT/ENGINEER

TowerPinkster
Architecture · Engineering · Interiors

320 PEARL STREET, SUITE 100
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STRUCTURAL ENGINEER

BROWN+KUBICAN STRUCTURAL ENGINEERS

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CIVIL ENGINEER

HERITAGE ENGINEERING

603 NORTH SHORE DRIVE, UNIT 204
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MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEER

CMTA

10411 MEETING STREET
PROSPECT. KY 40059
PHONE: 502.326.3085

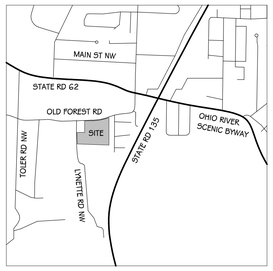
REFERENCED CODES

BUILDING:	2014 INDIANA BUILDING CODE (IBC 2012 WITH AMENDMENTS)
ENERGY:	2010 INDIANA ENERGY CONSERVATION CODE
PLUMBING:	2012 INDIANA PLUMBING CODE
MECHANICAL:	2014 INDIANA MECHANICAL CODE
FUEL GAS:	2014 INDIANA FUEL AND GAS CODE
ELECTRICAL:	2009 INDIANA ELECTRICAL CODE
BARRIER-FREE:	2010 ADA STANDARDS FOR ACCESSIBILE DESIGN
USE GROUP:	B/S-1
CONSTRUCTION TYPE:	IIB
AUTOMATIC SPRINKLERS:	NO

PROJECT AREA

TOTAL FINISHED PROJECT: 37,988 SQ. FT.

SITE ADDRESS



HARRISON REMC
1165 OLD FOREST RD NW
CORYDON, IN 47112

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KYLE A. WILSON
REGISTERED
NO. AR11900004
STATE OF
INDIANA
ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

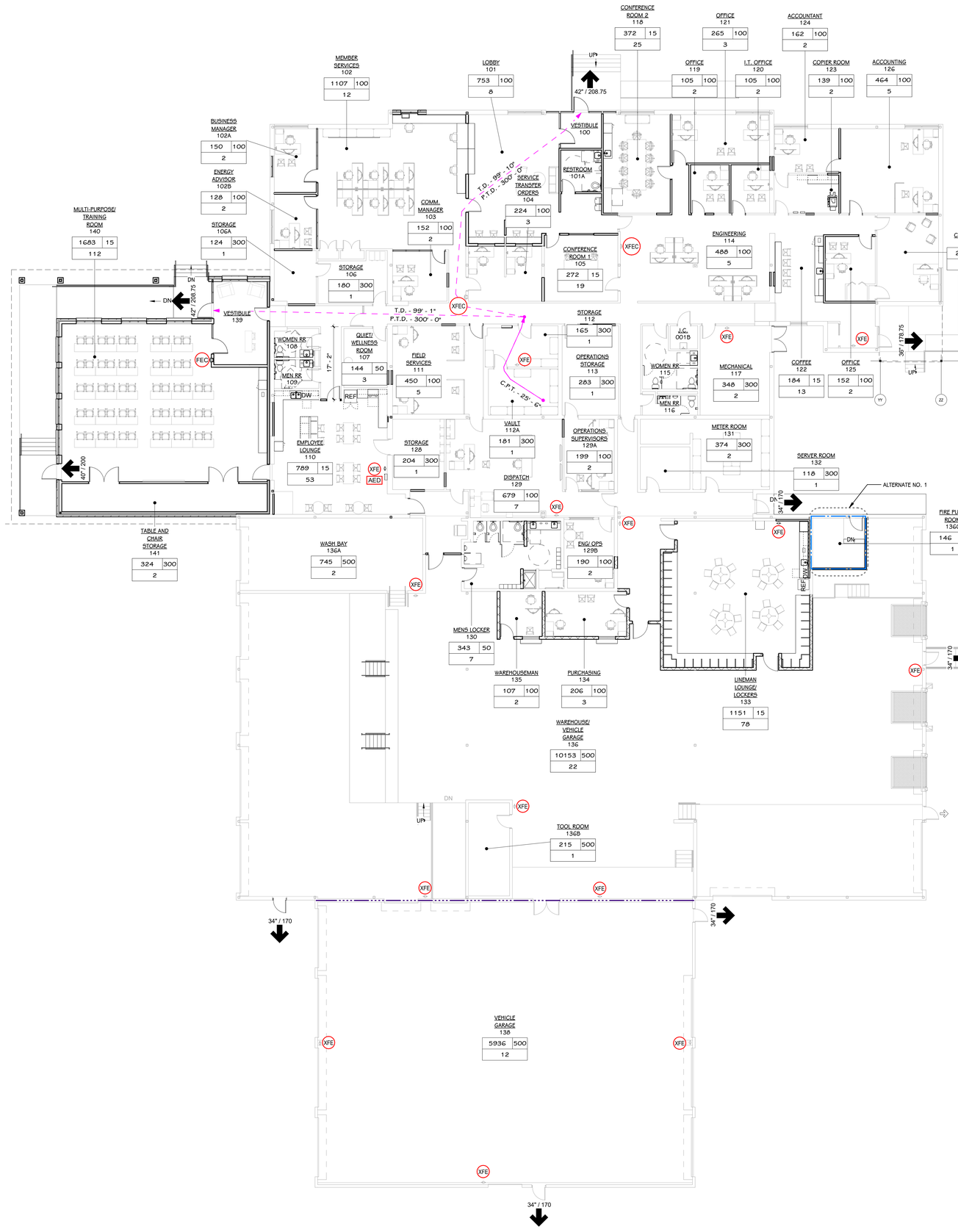
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

DATE
April 24, 2025

SHEET TITLE
COVER SHEET

SHEET NUMBER
G 001
24179.00



FIRST FLOOR CODE COMPLIANCE PLAN - BUILDING 1

3/32" = 1'-0"

ALLOWABLE BUILDING AREA AND HEIGHT

Section 507.3 The area of a Group B, F, M, or S building no more than one story above grade plane of any construction type, or the area of a Group A-4 building no more than one story above grade plan of other than Type V construction, shall not be limited where the building is provided with an automatic sprinkler system throughout in accordance with Section 903.3.1.1 and is surrounded and adjoined by public ways or yards not less than 60 feet in width.

OCCUPANCY SEPARATION - NONSEPARATED

Section508.3.2 Non separated occupancies - Allowable area and height... shall be based on the most restrictive allowances of the occupancy groups under consideration.

Section508.3.3 Separation. No separation is required between non separated occupancies. Must meet Chapter 5 (allowable area & height) and Chapter 9 (fire protection)

FIRE WALLS

Section 706.1 Each portion of a building separated by a one or more fire walls... shall be considered a separate building.

FIRE EXTINGUISHERS

Section 906 Portable Fire Extinguishers shall be provided

FIRE ALARM SYSTEM

Section 907 No fire alarm system required. Existing building contains a fire alarm system that will be extended into the addition.

OCCUPANT LOAD

Section 1004 Occupant Load. In determining the means of egress requirements, the number of occupants for whom means of egress facilities shall be provided shall be established by the largest number computed in accordance with Sections 1004.1.1 through 1004.1.3.

Table 1004.1.2 Maximum Floor Area Allowances per occupant

CALCULATED OCCUPANCY: BUILDING 1

Assembly Areas (unconcentrated)	= 2,472 s.f.	
Business Areas	= 7,681 s.f.	
Locker rooms	= 1,496 s.f.	
Warehouse	= 17,775 s.f.	
Stor/Mech Areas	= 2,153 s.f.	
Circulation/Restrooms	= 2,841 s.f.	
TOTAL	= 34,420 s.f.	= 395 occupants
Actual anticipated occupants:		*= 52 employees*
		= 115 guests
		= 167 occupants

MEANS OF EGRESS

Table 1014.3 Common Path of Travel shall not exceed 100 feet.

Section 1015.1 Two exits or exit access doorways from any space shall be provided...

1015.2.1 Where two exits or exit access doorways are required from any portion of the exit access, the exit doors or exit access doorways shall be placed a distance apart equal to not less than one-third (when fully sprinklered) of the length of the maximum overall diagonal dimension.

Section 1016.2 Travel distance limitations. Exits shall be located on each story such that the maximum length of exit access travel... does not exceed the distances given in Table 1016.2

Table 1016.2 Exit Access Travel Distance - 300 feet

Section 1023.3 Exit passageway enclosures shall have walls, floors and ceilings of not less than a 1-hour fire-resistance rating, and not less than that required for any connecting interior exit stairway or ramp.

Section 1018.4 Dead end corridors shall not exceed 50 feet in length.

Section 1021.1 Exits from stories

Table 1021.2(2) Maximum occupants per story exceeds 29 occupants (S): 2 exits required

ACCESSIBILITY

Section 1104 Accessible routes within the site shall be provided

Section 1105 Accessible entrances - 60% of all public entrances shall be accessible

Section 1106 Accessible parking shall be provided - up to 100 parking spaces (4 Accessible spaces required)

Section 1109.2 Toilet and Bathing Facilities - Each toilet and bathing room shall be accessible

Section 1109.4 Kitchenettes - Where kitchens and kitchenettes are provided they shall be accessible

2012 Indiana Plumbing Code:

PLUMBING FIXTURES REQUIRED PER USE

Section 2902.1.1 Exception 2: The actual number of occupants for whom each occupied space, floor or building is designed, although less than those determined by calculation, shall be permitted to be used in the dertimation of the design occupant load for future calculations.

FIXTURES REQUIRED (PROVIDED)

Water Closets:
= 3 male (4 WC, 4 UR)
= 3 female (5)

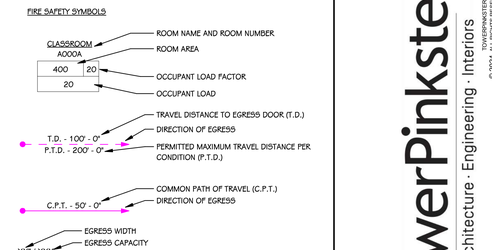
Lavatories:
= 3 male (3)
= 3 female (4)

Drinking Fountains: = 2 (2)

Service Sink: = 1 per building (1)

CODE COMPLIANCE KEY

FIRE SAFETY SYMBOLS



FIRE SAFETY SYMBOLS

XFE	EXISTING FIRE EXTINGUISHER
XFEC	EXISTING FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
AED	AUTOMATED EXTERNAL DEFIBRILLATOR (AED) RECESSED CABINET
KNOX	KNOX BOX

FIRE-RATING KEY

COORDINATE ALL REQUIRED DAMPERS WITH MECHANICAL.

DESIGNATION	RATING	PRIORITY
	4 HOUR FIRE WALL	1
	2 HOUR FIRE BARRIER	2
	1 HOUR FIRE BARRIER	3

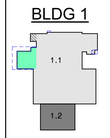
1. ALL PENETRATIONS THROUGH A FIRE OR SMOKE RATED PARTITION SHOULD BE SEALED WITH AN APPROVED U.L. RATED PRODUCT.
2. THE TOPS OF ALL FIRE RATED PARTITIONS SHALL BE SEALED TO THE CONTINUOUS STRUCTURE ABOVE WITH A U.L. RATED SYSTEM OR ASSEMBLY.
3. WOOD BLOCKING IN FIRE-RATED PARTITIONS SHALL BE NON-COMBUSTIBLE TREATED WOOD.
4. REFER TO SPECIFICATION U.L. RATING INFORMATION.
5. FIRE-RATED WALLS ENDING INTO AN ACOUSTICAL DECK MUST HAVE THE FLUTES FILLED, REFER TO TOP OF WALL DETAIL AT ACOUSTIC DECK SHOWN ON THIS SHEET.

- FOR MASONRY WALLS THE MASON SHALL FILL VOIDS AND FIRE SPRAY WITH UL LISTED MATERIAL
- FOR STUD WALLS USE FIRE SAFING AND FIRE CAULK.

REFERENCED CODE

BUILDING:	2014 INDIANA BUILDING CODE (IBC 2012 w/ AMENDMENTS
ENERGY:	2010 INDIANA ENERGY CONSERVATION CODE
PLUMBING:	2012 INDIANA PLUMBING CODE
MECHANICAL:	2014 INDIANA MECHANICAL CODE
FUEL GAS:	2014 INDIANA FUEL AND GAS CODE
ELECTRICAL:	2009 INDIANA ELECTRICAL CODE
BARRIER FREE:	-
USE GROUP:	B/S-2
CONSTRUCTION TYPE:	IIB
SPRINKLERS:	FULLY SPRINKLERED

PROJECT AREA



All buildings are separated by fire walls, therefore allowable areas are calculated separately. Total building 1 area provided for reference only.

BLDG 1.1 B/S-2	
EXISTING	28,566 s.f.
NEW FLOOR AREA	2,479 s.f.
DEMO CANOPY	- 405 s.f.
NEW CANOPY	+ 1439 s.f.
TOTAL	28,353 s.f.
BLDG 1.2 S-2	
TOTAL	6,120 s.f.
BLDG 1 TOTAL	38,199 s.f.
BLDG 2 S-2	
TOTAL	20,000 s.f.

BLDG 1 AREA OF CONSTRUCTION:

NEW CONSTRUCTION	3,726 s.f.
RENOVATION	14,262 s.f.
TOTAL	17,988 s.f.

BLDG 2 AREA OF CONSTRUCTION:

NEW CONSTRUCTION	20,000 s.f.
TOTAL	20,000 s.f.

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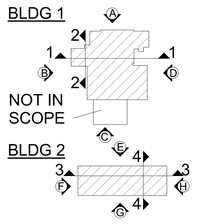
HARRISON REMC - RENOVATION



KEY PLAN

SCALE: NO SCALE

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KYLE A. WILSON REGISTERED NO. AR11900004 STATE OF INDIANA ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

DATE
April 24, 2025

SHEET TITLE
FIRST FLOOR CODE COMPLIANCE PLAN BUILDING 1

SHEET NUMBER
G 101
24179.00

ALLOWABLE BUILDING AREA
Building Area Allowance: based on most restrictive (nonseparated occupancy)
5-2 Allowed Table 503 26,000

Allowed Building Height: 55 feet (3 Stories)

OCCUPANCY SEPARATION - NONSEPARATED
Section 508.3.2 Non separated occupancies - Allowable area and height... shall be based on the most restrictive allowances of the occupancy groups under consideration.
Section 508.3.3 Separation. No separation is required between non separated occupancies. Must meet Chapter 5 (allowable area & height) and Chapter 9 (fire protection)

FIRE AREAS
Section 903.2.10 An automatic sprinkler system shall be provided in Group S-2 buildings no more than one store above grade plan, with a fire area exceeding 12,000 square feet.

Section 901.7 Where buildings, or portions thereof, are divided into fire areas so as not to exceed the limits established for requiring a fire protection system in accordance with this chapter, such fire areas shall be separated by fire barriers constructed in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 711, or both, having a fire-resistance rating of not less than that determined in accordance with Section 707.3.10.

Section 707.3.10 S-2 = 2 hour fire resistance rating required

Section 707.5 Fire barriers shall extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above and shall be securely attached thereto.

Section 707.6 Exception 3. Openings shall not be limited to 156 square feet (15m²) or an aggregate width of 25% of the length of the wall where the opening protective has been tested in accordance with ASTM E119 or UL263 and has a minimum fire-resistance rating not less than the fire-resistance rating of the wall.

FIRE EXTINGUISHERS
Section 906 Portable Fire Extinguishers shall be provided

FIRE ALARM SYSTEM
Section 907 No fire alarm system required

OCCUPANT LOAD
Section 1004 Occupant Load. In determining the means of egress requirements, the number of occupants for whom means of egress facilities shall be provided shall be established by the largest number computed in accordance with Sections 1004.1.1 through 1004.1.3.

Table 1004.1.2 Maximum Floor Area Allowances per occupant

CALCULATED OCCUPANCY

Warehouse	= 20,000 s.f.	
TOTAL	= 20,000 s.f.	= 40 occupants

MEANS OF EGRESS
Table 1014.3 Common Path of Travel shall not exceed 75 feet.

Section 1015.1 Two exits or exit access doorways from any space shall be provided...
1015.2.1 Where two exits or exit access doorways are required from any portion of the exit access, the exit doors or exit access doorways shall be placed a distance apart equal to not less than one-half (when non-sprinklered) of the length of the maximum overall diagonal dimension.

Section 1016.2 Travel distance limitations. Exits shall be located on each story such that the maximum length of exit access travel... does not exceed the distances given in Table 1016.2
Table 1016.2 Exit Access Travel Distance - 300 feet

Section 1023.3 Exit passageway enclosures shall have walls, floors and ceilings of not less than a 1-hour fire-resistance rating, and not less than that required for any connecting interior exit stairway or ramp.

Section 1018.4 Dead end corridors shall not exceed 20 feet in length.

Section 1021.1 Exits from stories
Table 1021.2(2) Maximum occupants per story exceeds 29 occupants (S): 2 exits required

ACCESSIBILITY
Section 1104 Accessible routes within the site shall be provided
Section 1105 Accessible entrances - 60% of all public entrances shall be accessible

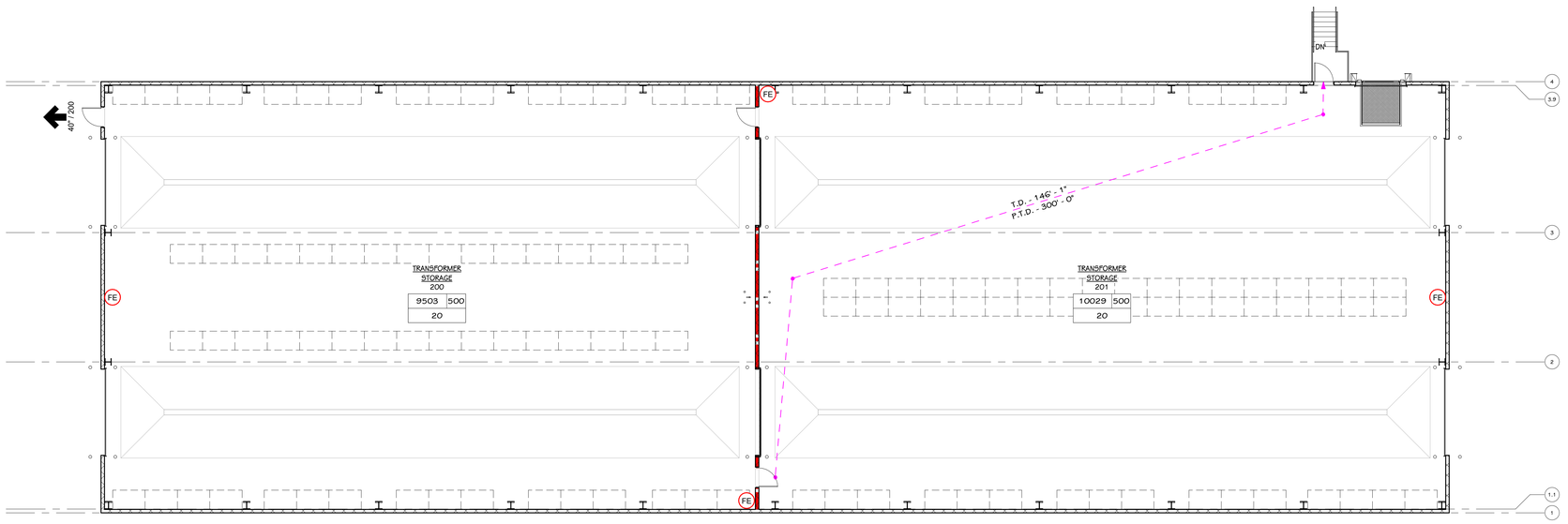
2012 Indiana Plumbing Code:

PLUMBING FIXTURES REQUIRED PER USE

Section 2901.1 Scope
Exception: Storage buildings that are normally unoccupied, unheated, and used for storage only, where plumbing is not part of the construction project and plumbing is not otherwise required by the rules of the commission are exempt from this chapter.

Section 2902.3.1 Access to the required facilities shall be from within the building or from the exterior of the building.

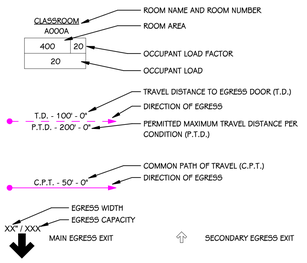
Section 2902.3.2 In occupancies other than covered and open mall buildings, the required public and employee toilet facilities shall be located not more than one story above or below the space required to be he provided with toilet facilities, and the path of travel to such facilites shall not exceed a distance of 500 feet.



FIRST FLOOR CODE COMPLIANCE PLAN - BUILDING 2 - ALTERNATE NO. 2A
3/32" = 1'-0"

CODE COMPLIANCE KEY

FIRE SAFETY SYMBOLS



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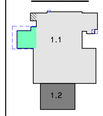
ELECTRICAL:	2009 INDIANA ELECTRICAL CODE
BARRIER FREE:	
USE GROUP:	S-2
CONSTRUCTION TYPE:	IIB
SPRINKLERS:	NON-SPRINKLERED

PROJECT AREA

BLDG 1



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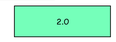
TOTAL	6,120 s.f.
BLDG 1 TOTAL	38,199 s.f.

BLDG 2



BLDG 2 S-2	
TOTAL	20,000 s.f.

BLDG 1 AREA OF CONSTRUCTION:

NEW CONSTRUCTION	3,726 s.f.
RENOVATION	14,262 s.f.
TOTAL	17,988 s.f.

BLDG 2 AREA OF CONSTRUCTION:

NEW CONSTRUCTION	20,000 s.f.
TOTAL	20,000 s.f.

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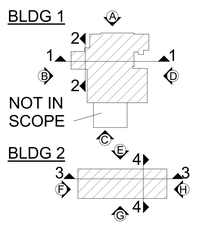
HARRISON REMC - RENOVATION



KEY PLAN
SCALE: NO SCALE

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1165 OLD FOREST RD, CORYDON, IN 47112

DATE
April 24, 2025

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FIRST FLOOR CODE COMPLIANCE PLAN BUILDING 2

SHEET NUMBER
G102
24179.00

CONSTRUCTION PLANS
for
HARRISON REMC MAIN CAMPUS
1165 OLD FOREST ROAD
CORYDON, IN 47112

INDIANA

N.T.S.

GENERAL NOTES:

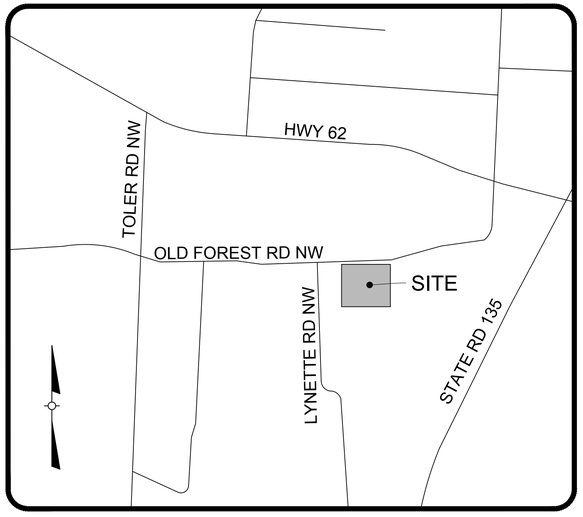
1. ALL AREAS DISTURBED BY THE CONTRACTOR'S ACTIVITIES SHALL BE SEEDED, STRAWED/MULCHED & PROTECTED FROM EROSION PER THE SPECIFICATIONS.
2. CONTRACTOR TO COORDINATE ANY NEEDED UTILITY RELOCATIONS WITH APPROPRIATE UTILITY COMPANY. COSTS ASSOCIATED WITH ANY NECESSARY UTILITY RELOCATIONS SHALL BE AT THE OWNER'S OR UTILITY COMPANIES EXPENSE, PROVIDED THAT THE COSTS ARE AGREED UPON PRIOR TO COMMENCING THE WORK.
3. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL MATERIALS USED TO COMPLETE THE PROJECT.
4. CONTRACTOR TO USE INDOT #8 STONE BACKFILL UNDER ALL STRUCTURES PLACED ON DISTURBED EARTH UNLESS OTHERWISE INDICATED ON THE PLANS.
5. ALL EX. STRUCTURES, PIPES, UTILITIES, ETC. DISTURBED DURING CONSTRUCTION SHALL BE REPLACED IN KIND UNLESS OTHERWISE NOTED.
6. BACKFILL TYPE 1–GRANULAR BACKFILL MATERIAL SHALL BE INDOT #8 IN ACCORDANCE WITH INDOT STANDARD SPECS. GRANULAR BACKFILL LIMITS SHALL INCLUDE ALL WORK WITHIN PAVED AREAS & ALL WORK WITHIN 5' OF PAVED AREAS (UNLESS SHOWN OTHERWISE ON THE PLANS).
7. BACKFILL TYPE 2–IN AREAS NOT REQUIRING GRANULAR BACKFILL MATERIAL, THE TRENCH SHALL BE CAREFULLY BACKFILLED WITH CLEAN EARTH FILL MATERIAL FREE OF ROCKS LARGER THAN 2", FROZEN LUMPS OF SOIL, WOOD OR OTHER EXTRANEOUS MATERIAL.

EPSC NOTES

1. THE APPROVED STORM WATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND–DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE REVIEWED AND APPROVED BY LOCAL GOVERNING AGENCY. EROSION AND SEDIMENT CONTROL BMPS SHALL BE INSTALLED PER THE PLAN AND LOCAL GOVERNING AGENCY'S STANDARDS.
2. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO ROADWAYS. ALL TRUCKS & EQUIPMENT WILL HAVE THE DIRT REMOVED FROM TIRES BEFORE ENTERING A PUBLIC ROADWAY. A WASH AREA WILL BE SET UP. THIS AREA WILL BE PROTECTED WITH SEDIMENT CONTROLS. SOIL TRACKED ONTO THE ROADWAYS SHALL BE REMOVED DAILY.
3. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND CATCH BASINS. STOCKPILES SHALL BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.
4. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICAL, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.
5. SEDIMENT–LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, OR CATCH BASIN.
6. CONTRACTOR MUST MAINTAIN THE EROSION AND SEDIMENT CONTROL PLAN AT ALL TIMES.
7. PORTABLE SANITARY FACILITIES AND FUEL TANKS ARE NOT SHOWN ON THIS PLAN. CONTRACTOR TO COORDINATE LOCATION(S) WITH OWNER AT PRE–CONSTRUCTION MEETING AND ADD LOCATIONS ON PLAN. PLAN MUST BE UPDATED AT ALL TIMES TO REFLECT CURRENT SITE CONDITIONS.
8. CONCRETE WASHOUT AREA IS NOT SHOWN ON THIS PLAN. CONTRACTOR TO COORDINATE LOCATION(S) WITH OWNER AT PRE–CONSTRUCTION MEETING AND ADD LOCATIONS ON PLAN. CONTRACTOR SHALL MAINTAIN CONCRETE WASHOUT AREA.
9. PROPER STORAGE, MATERIALS HANDLING, AND SPILL PREVENTION AND CLEAN–UP MEASURES SHALL BE IMPLEMENTED TO MINIMIZE SURFACE WATER OR GROUND WATER CONTAMINATION. REPORT ANY SPILLS TO IDEM EMERGENCY RESPONSE IMMEDIATELY (1–888–233–7745).
10. CONTRACTOR SHALL UPDATE AND MAINTAIN THIS PLAN THROUGHOUT THE CONSTRUCTION PROCESS.
11. CONTRACTOR SHALL KEEP A COPY OF THE IDEM NOTICE OF INTENT ON SITE.

THE CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR SITE SAFETY

1. IT SHALL BE THE RESPONSIBILITY OF ANY AND ALL CONTRACTORS INVOLVED IN THIS PROJECT TO DO WHATEVER IS NECESSARY TO COMPLY FULLY WITH THE " WILLIAMS – STEIGER OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970".



LOCATION MAP
NOT TO SCALE

OWNER

HARRISON REMC
1165 OLD FOREST ROAD
CORYDON, IN 47112

IMPERVIOUS AREAS

EXISTING	176,556 S.F.
PROPOSED	237,010 S.F.
CHANGE	+60,454 S.F.

AREA OF DISTURBANCE

4.08 ACRES

Sheet List Table

Sheet Number	Sheet Title
C0.0	COVER SHEET
C0.1	GENERAL NOTES
C1.0	EXISTING CONDITIONS PLAN
C2.0	SITE PLAN
C2.1	COMPOSITE DRAINAGE PLAN
C3.0	GRADING PLAN
C3.1	BUILDING ADDITION GRADING PLAN
C4.0	DETAIL SHEET
ER1	EROSION CONTROL PLAN
ER2	EROSION CONTROL NOTES

UTILITY CONTACTS:

WATER:	TOWN OF CORYDON WATER CONTACT: DAVE COBURN (812) 738–3958
ELECTRIC:	HARRISON COUNTY REMC CONTACT: JASON FLOCK (812) 738–4115 (EXT. 268)
CABLE:	TIME WARNER CABLE CONTACT: NATHEN HOWERTON (502) 357–4400
TELEPHONE:	FRONTIER COMMUNICATIONS CONTACT: DAVE BOOK (812) 738–5517
GAS:	VECTREN ENERGY CONTACT: PAUL SCHROEDER (812) 948–4954
STORM:	HARRISON COUNTY ENGINEER'S OFFICE CONTACT: KEVIN RUSSEL, P.E. (812) 738–4600
SANITARY:	HARRISON COUNTY REGIONAL SEWER DISTRICT CONTACT: ROBERT WOOSLEY, P.E. (502) 727–0079

Revision	Date	Description	Detailed By	Chk'd By	Approved By
–	–	–	–	–	–

UTILITY NOTE:

ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. PRIOR TO ANY EXCAVATION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE NECESSARY UTILITY AGENCIES AND OBTAIN THE PRECISE LOCATION OF THEIR FACILITIES. THE CONTRACTOR SHALL FAMILIARIZE THEMSELF WITH ALL UTILITY REQUIREMENTS AS SET OUT ON THE PLANS, IN THE SPECIFICATIONS, AND IN THE SPECIAL PROVISIONS.

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TEMPORARY BENCHMARKS

TBM#1
DESCRIPTION:
ELEVATION:
COORDINATES:

ENGINEER:
HERITAGE ENGINEERING, LLC
642 South 4th Street
Suite 104
Louisville, KY 40202
(502) 562–1412
(502) 562–1413 Fax

603 North Shore Drive
Unit 204
Jeffersonville, IN 47130
(812) 280–8201
(812) 280–8281 Fax

OWNER/DEVELOPER:
HARRISON REMC
1165 OLD FOREST RD
CORYDON, IN 47112

PROJECT:
CONSTRUCTION PLANS
FOR
HARRISON REMC
MAIN CAMPUS
1165 OLD FOREST ROAD
CORYDON, IN 47112
COVER SHEET

CASEY J. DEYOUNG
REGISTERED
NO. 11500081
STATE OF INDIANA
PROFESSIONAL ENGINEER

JOB NO:	24071
HORIZ. SCALE:	N/A
VERTICAL SCALE:	N/A
DESIGNED BY:	DJ
DETAILED BY:	SDK
CHECKED BY:	CJD
DATE:	4/24/25

SHEET
C0.0
of 10

CONSTRUCTION SET

X:\AA–Projects–2024\24071 – Harrison REMC Campus\Construction – Main Campus\24071– COVER.dwg PLOT DATE: April 24, 2025 – 9:53am

GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIAL, EQUIPMENT, TOOLS, AND SERVICES REQUIRED TO COMPLETE CONSTRUCTION AND MATERIAL TESTING FOR THE WORK. ALL WORK SHALL BE PERFORMED IN A SAFE AND REASONABLE WORKING MANNER IN ACCORDANCE WITH THE BEST PRACTICES AND PROCEDURES.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL, ORDINANCES, REGULATIONS AND REQUIREMENTS NECESSARY TO COMPLETE THE WORK; THIS INCLUDES PROVISIONS FOR MAINTENANCE OF TRAFFIC, CONSTRUCTION AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

PAVEMENTS

1. ASPHALT CONCRETE SURFACE SHALL BE CLASS I TYPE A, COMPACTED DEPTH AS SHOWN.
2. ASPHALT CONCRETE BINDER SHALL BE CLASS I COMPACTED DEPTH AS SHOWN.
3. STONE BASE AND SUBBASE SHALL BE PLACED AND COMPACTED IN SEPARATE COURSES.
4. TACK COAT SHALL BE APPLIED AT THE RATE OF 0.1 GALLONS PER SQ. YD. WITH INSTALLATION OF SURFACE ASPHALT. WHEN THE FINAL SURFACE ASPHALT INSTALLATION OCCURS AT A DIFFERENT TIME THAN THAT OF THE ASPHALT BASE COURSE, AND ASPHALTIC TACK COAT SHALL BE APPLIED AT THE SAME RATE OF 0.1 GALLONS PER SQ. YD. THE ASPHALTIC TACK COAT SHALL BE APPLIED UNIFORMLY AND OUT TO THE EDGES OF THE BASE COURSE TO INSURE PROPER ADHESION OF SURFACES.

SIDEWALKS, CURBS, DRAINAGE

1. ALL CONCRETE TO BE A MINIMUM OF 3,500 PSI UNLESS OTHERWISE SPECIFIED.
2. THE CONTRACTOR SHALL PROVIDE AN EXPANSION JOINT BETWEEN THE CURB AND GRATE ON ALL CURB INLETS.
3. CONSTRUCT ½" EXPANSION JOINTS AT ALL BREAKS IN ALIGNMENT, AT ALL DRAINAGE BOXES AND OTHER FIXED OBJECTS, AT THE BEGINNING AND ENDING POINTS OF CURVES AND AT THE BEGINNING, QUARTER, MIDDLE AND ENDING POINTS OF SEMICIRCULAR CURVES.
4. ON LONG STRAIGHT, LINEAR RUNS OF CURBING, CONSTRUCT EXPANSION JOINTS A MAXIMUM OF EVERY 30' ON CENTER AND CONTROL/SCORE JOINTS EVERY 10' ON CENTER.
5. EXPANSION JOINTS WILL NOT BE REQUIRED AT THE QUARTER POINTS FOR SEMI CIRCLES HAVING RADII OF 5' OR LESS.
6. A MINIMUM OF (12) INCH DEPTH OF COVER OVER ALL CULVERT PIPES IS REQUIRED. A MINIMUM OF SIX (6) INCH ENCLOSED CLASS A CONCRETE ENCASEMENT WITH A MINIMUM PROTECTION INTO THE PAVEMENT STRUCTURE FOR ANY PIPE WITH REDUCED COVER IS REQUIRED.
7. ALL PIPE BACKFILL MUST MEET AASHTO H-20 LOADING REQUIREMENTS.

SIGNING & PAVEMENT MARKINGS

1. ALL SIGNS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION.
2. ALL SIGNS SHALL BE RETRO REFLECTIVE INCLUDING MESSAGE, BORDER, AND BACKGROUND.
3. STREET SIGNS SHALL HAVE A WHITE LEGEND ON A GREEN BACKGROUND.
4. REFER TO SECTION 2A.14 LETTERING AND DIMENSIONS
   "STANDARD HIGHWAY SIGNS "BOOK"
   "STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS".
5. ALL ARROWS, TRACKING AND STOP BARS SHALL BE THERMOPLASTIC, NOT PAINTED.

MISCELLANEOUS

1. ALL EMBANKMENT BACKFILL AND SUBGRADE MATERIALS SHALL BE CONSTRUCTED AND COMPACTED TO 95% OF MAXIMUM DENSITY AND PLUS 2 OR MINUS 4 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
2. THE DEVELOPER WILL UTILIZE A REGISTERED GEOTECHNICAL ENGINEER TO TEST, VERIFY AND REPORT TO PROVIDE SATISFACTORY ASSURANCE OF EMBANKMENT AND PAVEMENT STABILITY. ALL EMBANKMENT SECTIONS IN EXCESS OF FOUR (4) FOOT DEPTH SHOULD BE TESTED AT ONE (1) FOOT LAYERS. CONTRACTOR SHALL UTILIZE A REGISTERED GEOTECHNICAL ENGINEER TO TEST, VERIFY AND REPORT ALL EMBANKMENT IN EXCESS OF FOUR (4) FOOT DEPTH.
3. ANY UNSUITABLE SOILS AND OTHER MATERIALS ENCOUNTERED DURING CONSTRUCTION OF THE ROADWAY SECTION WILL BE REMOVED TO THE DEPTH AND WIDTH SPECIFIED BY THE GEOTECHNICAL ENGINEER. THE EXCAVATION WILL BE BACKFILLED WITH SELECTED MATERIALS AND COMPACTED IN ACCORDANCE WITH EMBANKMENT SPECIFICATIONS.
4. CONTRACTOR SHALL NOTIFY OWNER/DEVELOPER BEFORE CONSTRUCTION BEGINS SO THAT OWNER MAY ENGAGE A GEOTECHNICAL ENGINEER FOR COMPACTION TESTING.
5. ACTIONS SHALL BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY. ANY WORK PERFORMED BY A PUBLIC AGENCY TO CORRECT THE CONDITIONS WILL BE CHARGED TO THE DEVELOPER.
6. THE CONTRACTOR WILL PREGRADE THE ENTIRE ROADWAY SECTION WITHIN THE RIGHT-OF-WAY LIMITS, INCLUDING THE ROADWAY SLOPES, DRAINAGE DITCHES AND ROADWAY CROSS-SECTION AS SHOWN ON THE TYPICAL ROADWAY SECTION PRIOR TO PLACEMENT OF THE ROCK BASE COURSE.
7. ALL FIRE HYDRANTS WILL BE INSTALLED IN ACCORDANCE WITH THE CURRENT ORDINANCES.
8. IF ANY UTILITY LINES ARE ENCOUNTERED DURING CONSTRUCTION, EXTREME CAUTION SHOULD BE EXERCISED AND THE UTILITY COMPANY NOTIFIED IMMEDIATELY. ANY DAMAGES SHALL BE REPAIRED IMMEDIATELY AT THE DIRECTION OF THE UTILITY COMPANY INCLUDING TEMPORARY AND PERMANENT WORK AT NO ADDITIONAL EXPENSE TO OWNER/DEVELOPER.
9. ALL EXISTING TRAFFIC, WARNING, AND REGULATORY SIGNING WILL BE LOCATED, MAINTAINED DURING ALL CONSTRUCTION ACTIVITIES, AND IMMEDIATELY REPLACED AFTER CONSTRUCTION IS COMPLETED BY THE CONTRACTOR.
10. LANDSCAPING SHALL BE SELECTED AND PLACED IN SUCH A MANNER AS TO INSURE ADEQUATE AND SAFE "SIGHT DISTANCE" FOR MOTORIST USING THE ROADS TO BE CONSTRUCTED WITHIN THIS SUBDIVISION.
11. A LANDSCAPING PLAN SHOWING THE TYPE AND LOCATION OF ALL PLANTINGS WITHIN THE ROAD RIGHT-OF-WAY SHALL BE PREPARED AND SUBMITTED FOR APPROVAL. THE ULTIMATE (OR MATURE) HEIGHT AND SPREAD OF THE VARIOUS TYPE OF PLANTINGS SHALL BE SPECIFIED ON THE PLAN.

ABBREVIATIONS

PROPOSED	PR.
EXISTING	EX.
DO NOT DISTURB	DND
TO BE REMOVED	TBR
FINISHED FLOOR ELEVATION	F.F.E.
TOP OF GRATE	TG
TOP OF LID	T/L
INVERT ELEVATION	I.E.
PROPERTY SERVICE CONNECTION	PSC
MANHOLE	MH
STORM MANHOLE	STRMH
SANITARY MANHOLE	SANMH
JUNCTION BOX	JB
CATCH BASIN	CB
TEMPORARY BENCHMARK	TBM
RIGHT OF WAY	R/W
PROPERTY LINE	PL
BUILDING	BLDG.
LANDSCAPE BUFFER AREA	L.B.A.
PROPOSED PARKING COUNTS	# SPACES
EXISTING PARKING COUNTS	# Ex. Spaces
TOP OF CURB	TOC
BASE OF CURB	BOC

LEGEND

EX. EDGE OF PAVEMENT	EX. FIRE HYDRANT
EX. CURB	EX. WATER VALVE
EX. CURB TO BE REMOVED	EX. IRRIGATION VALVE
EX. SHOULDER	EX. WATER SHUTOFF
EX. STRIPING	EX. WATER METER
EX. PROPERTY LINE	EX. MONITORING WELL
EX. PROPERTY LINE TO BE REMOVED	EX. WELL
EX. RIGHT OF WAY	EX. SANITARY SEWER
EX. EASEMENT	EX. 4" PSC
EX. FENCE	EX. 6" PSC
EX. WATER LINE	EX. CLEAN OUT
EX. PROPERTY SERVICE CONNECTION	EX. STORM MANHOLE
EX. SWALE	EX. CATCH BASIN TYPE 1
EX. GAS LINE	EX. CATCH BASIN TYPE 2
EX. OVERHEAD ELECTRIC LINE	EX. DOWN SPOUT
EX. UNDERGROUND ELECTRIC LINE	EX. TELEPHONE MANHOLE
EX. ELECTRIC LINE	EX. TELEPHONE PEDESTAL
EX. UNDERGROUND TELEPHONE LINE	EX. ELECTRIC MANHOLE
EX. FIBER OPTIC LINE	EX. TRANSFORMER
EX. CABLE LINE	EX. ELECTRIC METER
EX. LANDSCAPE BUFFER LINE	EX. LIGHT POLE
EX. TREE LINE	EX. POWER POLE
EX. MAJOR & MINOR CONTOURS	EX. GUYWIRE
EX. SANITARY SEWER	EX. GAS VALVE
EX. STORM SEWER	EX. GAS METER
EX. RIP RAP	EX. DRILL HOLE
EX. BUILDING	EX. TEST PIT
EX. CONCRETE	EX. SIGN
EX. TRACKS	EX. MAILBOX
EX. BUILDING SETBACK LINE	EX. BOLLARD
EX. 25' BUFFER AREA FOR BLUE LINE STREAM	EX. SHRUB
EX. FORM DISTRICT TRANSITION ZONE (FDTZ)	EX. TREE
EX. SPOT ELEVATION	EX. TREE TO BE REMOVED
PR. EDGE OF PAVEMENT	PR. HYDRANT
PR. CURB	PR. WATER VALVE
PR. SHOULDER	PR. IRRIGATION VALVE
PR. STRIPING	PR. WATER SHUTOFF
PR. PROPERTY LINE	PR. WATER METER
PR. SITE PROPERTY LINE	PR. MONITORING WELL
PR. RIGHT OF WAY	PR. WELL
PR. EASEMENT	PR. SANITARY SEWER
PR. FENCE	PR. 4" PSC
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PR. SANITARY SEWER	PR. ELECTRIC METER
PR. STORM SEWER	PR. LIGHT POLE
PR. ROOF DRAIN	PR. POWER POLE
PR. RIP RAP	PR. GUYWIRE
PR. SILT FENCE	PR. SIGN
PR. REINFORCED SILT FENCE	PR. GAS VALVE
PR. EROSION PROTECTION	PR. GAS METER
PR. LIMITS OF DISTURBANCE	PR. DRILL HOLE
PR. SAW CUT	PR. MAILBOX
PR. HEAVY DUTY PAVEMENT	PR. BOLLARD
PR. LIGHT DUTY PAVEMENT	TEMPORARY BENCHMARK
PR. BUILDING	PR. SHRUB
PR. CONCRETE	PR. TREE
PR. GRAVEL	
PR. TREE CANOPY PROTECTION AREA	
PR. DRAINAGE COMPOSITE BOUNDARIES	
PR. SPOT ELEVATION	

Revision	Date	Description	Detailed By	Chk'd By	Approved By
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TEMPORARY BENCHMARKS

TBM#1
DESCRIPTION:
ELEVATION:
COORDINATES:

ENGINEER:
HERITAGE ENGINEERING, LLC
642 South 4th Street
Suite 104
Louisville, KY 40202
(502) 562-1412
(502) 562-1413 Fax
603 North Shore Drive
Unit 204
Jeffersonville, IN 47130
(812) 280-8201
(812) 280-8281 Fax

OWNER/DEVELOPER:
HARRISON REMC
1165 OLD FOREST RD
CORYDON, IN 47112

PROJECT:
CONSTRUCTION PLANS
FOR
HARRISON REMC
MAIN CAMPUS
1165 OLD FOREST ROAD
CORYDON, IN 47112
GENERAL NOTES

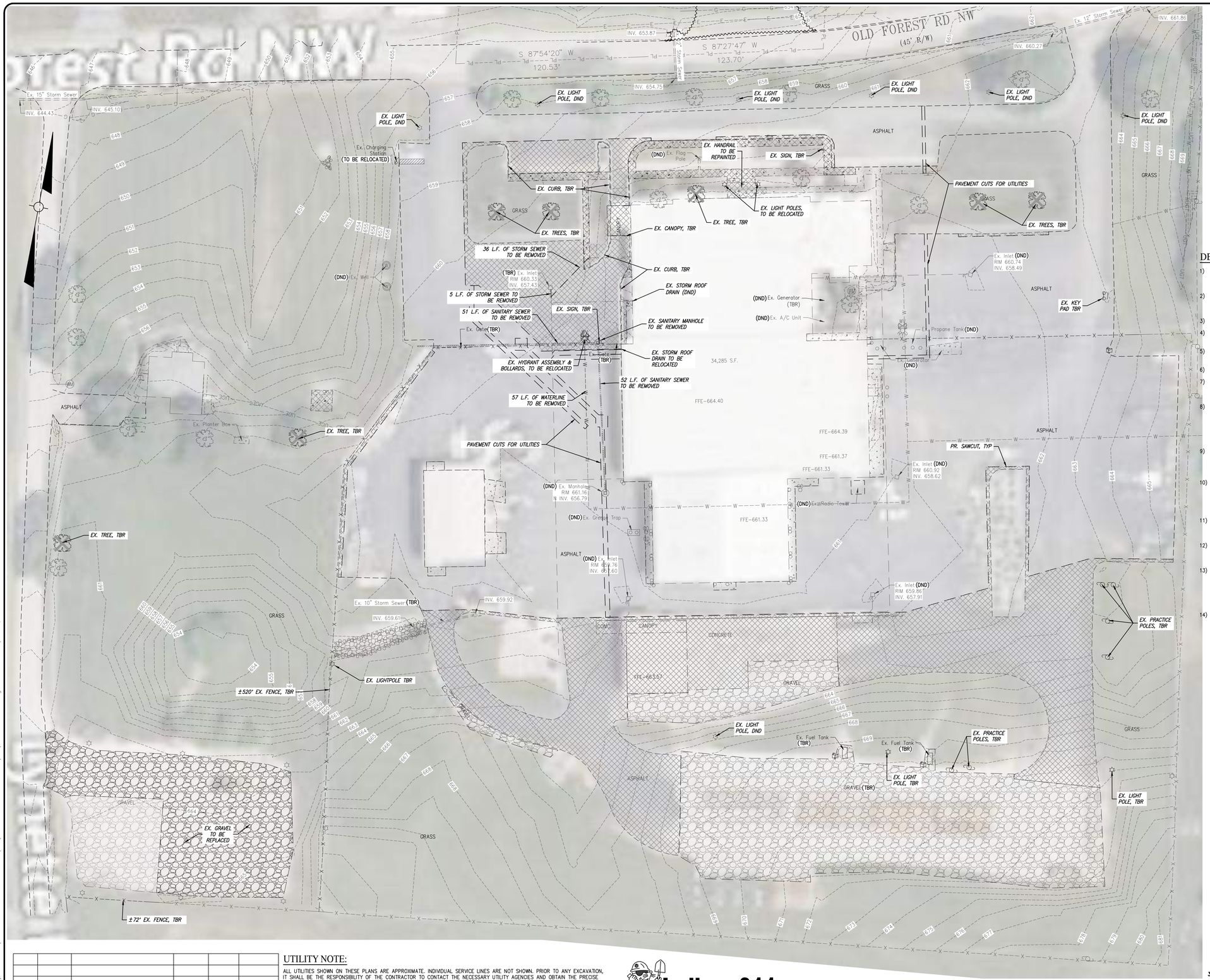
CASEY J. DEYOUNG
REGISTERED
NO. 11500081
STATE OF INDIANA
PROFESSIONAL ENGINEER

JOB NO:	24071
HORIZ. SCALE:	N/A
VERTICAL SCALE:	N/A
DESIGNED BY:	DJ
DETAILED BY:	SDK
CHECKED BY:	CJD
DATE:	4/24/25

SHEET
C0.1
of 10

CONSTRUCTION SET

X:\A4-Projects-2024\24071 - Harrison REMC Campus\Construction - Main Campus\24071- COVER.dwg PLOT DATE: April 24, 2025 - 9:53am



DEMOLITION NOTES:

1) THE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE.
2) ABANDON AND FILL WITH GROUT, REMOVE AND REPLACE WITH CONTROLLED FILL, OR RELOCATE EX. UTILITIES WHICH WILL INTERFERE WITH THE NEW CONSTRUCTION. COORDINATE WITH UTILITY COMPANIES.
3) REMOVE ALL OTHER OBSTRUCTIONS AS REQUIRED WITHIN THE DEVELOPED AREA.
4) COMPLETELY REMOVE ANY EXISTING UNDERGROUND CISTERNS, VAULTS, TANKS, ETC. BACKFILL VOIDS WITH COMPACTED GRANULAR BACKFILL PER THE GEOTECHNICAL REPORT.
5) THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE CONSTRUCTION.
6) ALL TREES INSIDE THE LIMITS OF DISTURBANCE SHALL BE REMOVED.
7) SHOULD THE DRIPLINE OF A TREE FALL WITHIN THE LIMITS OF CONSTRUCTION BUT STILL BE PROPOSED TO REMAIN; IT SHALL BE CONSIDERED PRESERVED BUT NOT SAVED. EVERY EFFORT TO PRESERVE THE TREE SHOULD BE MADE.
8) CONSTRUCTION FENCING SHALL BE ERECTED AT THE EDGE OF THE AREA OF DEVELOPMENT PRIOR TO ANY GRADING OR CONSTRUCTION TO PROTECT THE EXISTING TREE STANDS AND THEIR ROOT SYSTEMS FROM COMPACTION. THE FENCING SHALL ENCLOSE THE ENTIRE AREA BENEATH THE TREE CANOPY AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETED. NO PARKING, MATERIAL STORAGE, OR CONSTRUCTION ACTIVITIES ARE PERMITTED WITHIN THE PROTECTED AREA.
9) CARE MUST BE TAKEN TO REMOVE THE ENTIRE ROOTBALL OF TREES TO BE REMOVED. THE RESULTING EXCAVATION MUST BE BACKFILLED WITH PROPERLY PLACED AND COMPACTED FILL TO AVOID LOCALIZED SOFT SPOTS THAT CAN COMPROMISE THE PERFORMANCE OF THE PROPOSED CONSTRUCTION.
10) IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO PERFORM ALL ENVIRONMENTAL SITE ASSESSMENTS AND PROPERLY REMOVE AND DISPOSE OF ANY HAZARDOUS MATERIALS ENCOUNTERED WITHIN EXISTING STRUCTURES. THESE MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, ASBESTOS. ALL FEDERAL, STATE AND LOCAL ABATEMENT REGULATIONS SHALL BE FOLLOWED.
11) ALL EPSC MEASURES SHALL BE INSTALLED PRIOR TO DEMOLITION OF ANY KIND. SEE SWPP PLAN. A COPY OF THE SWPP PLAN SHALL BE ON SITE AT ALL TIMES DURING CONSTRUCTION.
12) SHOULD THE CONTRACTOR DAMAGE EXISTING CONDITIONS OUTSIDE OF THE LIMITS OF DISTURBANCE BOUNDARIES THE COST FOR ALL REPAIRS SHALL BE BORNE BY THE CONTRACTOR.
13) COORDINATE ALL EARTHWORK AROUND THE EXISTING SINKHOLES WITH GEOTECHNICAL ENGINEER. ALTHOUGH REMEDIAL MEASURES WILL BE DETERMINED AT THE TIME OF EXCAVATION BASED ON ACTUAL CONDITIONS ENCOUNTERED, THEY ARE EXPECTED TO CONSIST OF EXCAVATION TO A THROAT IN THE BEDROCK SURFACE, SLOPING BACK THE SURROUNDING SOILS, AND INSTALLATION OF A GEOSYNTHETIC FILTER WRAPPED STONE ENVELOPE CAPPED WITH COMPACTED CLAY.
14) CONTRACTOR SHALL PROTECT EXISTING SINKHOLE AREA FROM BEING DISTURBED AND PREVENT SEDIMENT FROM ENTERING THE SINKHOLE ACCORDING TO THE EROSION CONTROL PLAN.

EX. CURB TO BE REMOVED
EX. ASPHALT & CONCRETE TO BE REMOVED
EX. TREE TO BE REMOVED
PR. LIMITS OF DISTURBANCE

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 INCH = 30FEET

Revision	Date	Description	Detailed By	Chk'd By	Approved By
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TEMPORARY BENCHMARKS

TBM#1
DESCRIPTION:
ELEVATION:
COORDINATES:

ENGINEER:
HERITAGE ENGINEERING, LLC
642 South 4th Street
Suite 100
Louisville, KY 40202
(502) 562-1412
(502) 562-1413 Fax

603 North Shore Drive
Unit 204
Jeffersonville, IN 47130
(812) 280-8201
(812) 280-8281 Fax

OWNER/DEVELOPER:
HARRISON REMC
1165 OLD FOREST RD
CORYDON, IN 47112

PROJECT:
CONSTRUCTION PLANS
FOR
HARRISON REMC
MAIN CAMPUS
1165 OLD FOREST ROAD
CORYDON, IN 47112
EXISTING CONDITIONS PLAN

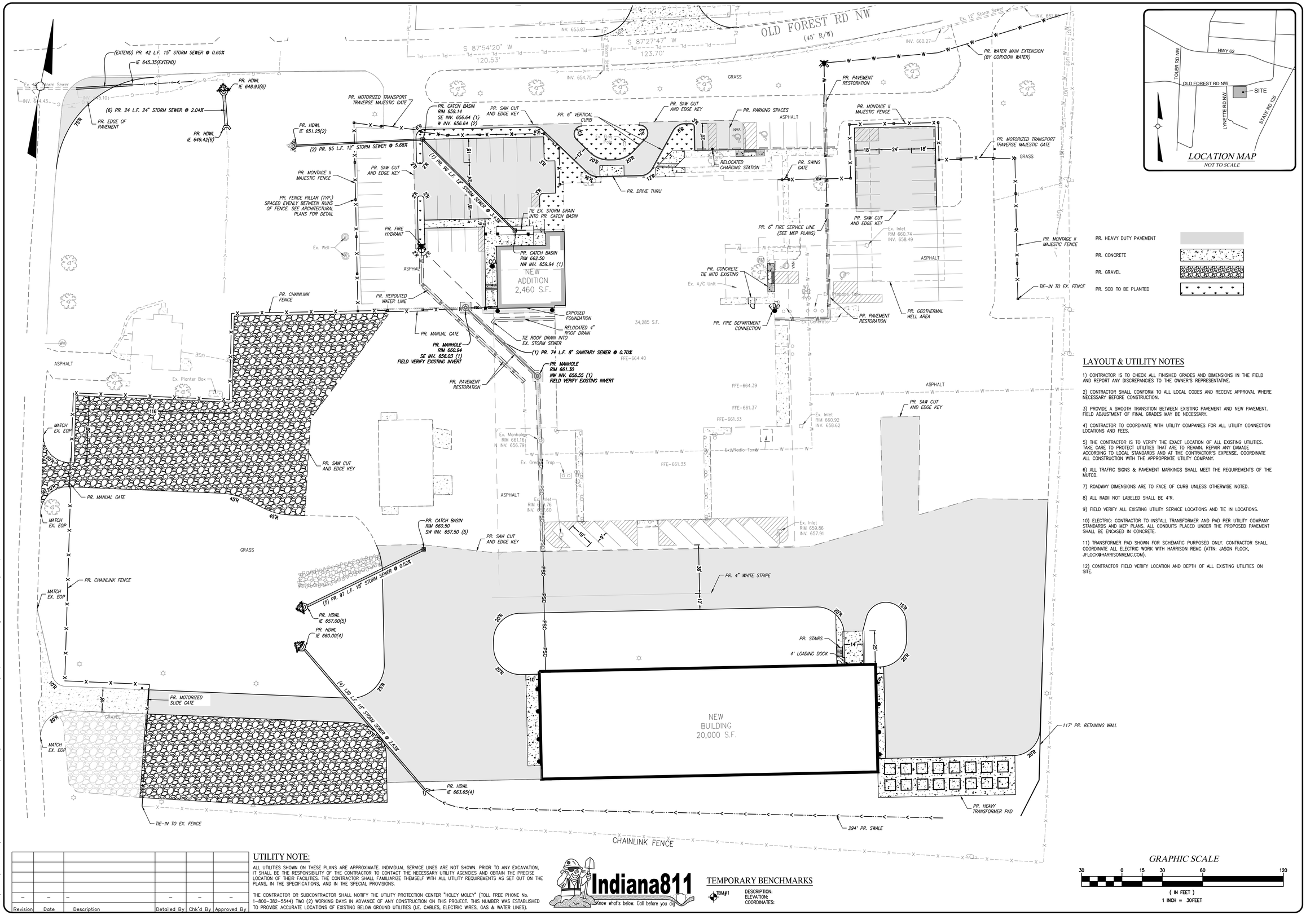
CASEY J. DEYOUNG
REGISTERED
NO. 11500081
STATE OF INDIANA
PROFESSIONAL ENGINEER

JOB NO:	24071
HORIZ. SCALE:	1"=30'
VERTICAL SCALE:	N/A
DESIGNED BY:	DJ
DETAILED BY:	SDK
CHECKED BY:	CJD
DATE:	4/24/25

SHEET
C1.0
of 10

CONSTRUCTION SET

X:\AA-Projects-2024\24071 - Harrison REMC Campus\Construction - Main Campus\24071- DEMO.dwg PLOT DATE: April 24, 2025 - 9:53am



LAYOUT & UTILITY NOTES

1) CONTRACTOR IS TO CHECK ALL FINISHED GRADES AND DIMENSIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.

2) CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE CONSTRUCTION.

3) PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY.

4) CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES FOR ALL UTILITY CONNECTION LOCATIONS AND FEES.

5) THE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.

6) ALL TRAFFIC SIGNS & PAVEMENT MARKINGS SHALL MEET THE REQUIREMENTS OF THE MUTCD.

7) ROADWAY DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

8) ALL RADII NOT LABELED SHALL BE 4'R.

9) FIELD VERIFY ALL EXISTING UTILITY SERVICE LOCATIONS AND TIE IN LOCATIONS.

10) ELECTRIC: CONTRACTOR TO INSTALL TRANSFORMER AND PAD PER UTILITY COMPANY STANDARDS AND MEP PLANS. ALL CONDUITS PLACED UNDER THE PROPOSED PAVEMENT SHALL BE ENCASED IN CONCRETE.

11) TRANSFORMER PAD SHOWN FOR SCHEMATIC PURPOSED ONLY. CONTRACTOR SHALL COORDINATE ALL ELECTRIC WORK WITH HARRISON REMC (ATTN: JASON FLOCK, JFLOCK@HARRISONREMC.COM).

12) CONTRACTOR FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES ON SITE.

Revision	Date	Description	Detailed By	Chk'd By	Approved By
–	–	–	–	–	–

UTILITY NOTE:

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THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER "HOLEY MOLEY" (TOLL FREE PHONE No. 1-800-382-5544) TWO (2) WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS & WATER LINES).

Indiana811 Know what's below. Call before you dig

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GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 INCH = 30FEET

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FOR
HARRISON REMC
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1165 OLD FORREST ROAD
CORYDON, IN 47112
SITE PLAN

CASEY J. DEYOUNG
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X:\AA-Projects-2024\24071 - Harrison REMC Campus\Construction - Main Campus\24071- SITE.dwg PLOT DATE: April 24, 2025 - 9:53am

Line No.	DnStrm Line No.	Drainage Area	Runoff Coeff	Total Area	Total CxA	Tc	Intensity 10yr	Intensity 100yr	10-Year Q	100-Year Q	Diameter	Length	Invert Dwn	Invert Up	Slope %	Capacity Full	10-Yr Velocity	100-Yr Velocity	Rim Elev.	HGL 10UpStrm	HGL 100 UpStrm
1	2	0.07	0.95	0.07	0.07	10.0	5.44	7.58	0.36	0.50	12	96	656.64	659.94	3.43	6.59	1.77	1.94	662.50	660.19	660.23
2	Outfall	0.15	0.95	0.22	0.21	13.5	4.73	6.85	0.99	1.43	12	95	651.25	656.64	5.68	8.49	3.17	4.08	659.14	657.06	657.15
4	Outfall	1.13	0.62	1.13	0.70	10.0	5.44	7.58	3.81	5.31	15	139	660.00	663.65	2.63	10.46	4.94	6.33	NA	664.44	664.58
5	Outfall	0.40	0.95	0.40	0.38	10.0	5.44	7.58	2.07	2.88	18	97	657.00	657.50	0.52	7.54	2.81	3.40	660.50	658.04	658.14
6	Outfall	See Detention Analysis									24	24	648.93	649.42	2.04	32.32	1.01	1.18	NA	649.47	649.48

LOCATION MAP
NOT TO SCALE

GRADING NOTES

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2) TOPSOIL IS TO BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPILED AND REDISTRIBUTED OVER GRADED AREAS TO A MINIMUM DEPTH OF 6".

3) ALL VEGETATED AREAS INCLUDING SLOPES ARE TO BE MULCHED AND SEEDED AS SOON AS POSSIBLE AFTER GRADING IS COMPLETED. CONSTRUCT SILT BARRIERS AS SHOWN ON DRAWINGS PRIOR TO BEGINNING GRADING OPERATIONS. FINAL GROUND COVER IN ALL VEGETATED AREAS TO BE SEEDED.

4) ALL NEW STRUCTURES AND EXISTING STRUCTURES SHALL HAVE SEDIMENT REMOVED PRIOR TO FINAL ACCEPTANCE.

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11) IMPORTING FILL MATERIAL FROM AN OFF-SITE LOCATION WITHOUT PRIOR WRITTEN APPROVAL FROM THE PROJECT ENGINEER IS STRICTLY PROHIBITED. IDENTIFICATION OF OFF-SITE BORROW LOCATIONS AND MATERIAL MUST BE COORDINATED AND DOCUMENTED WITH THE EROSION CONTROL PLAN.

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ALL WASTE MATERIALS THAT MAY LEACH POLLUTANTS (PAINT & PAINT CONTAINERS, CAULK TUBES, OIL/GREASE CONTAINERS, LIQUIDS OF ANY KIND, SOLUBLE MATERIALS, ETC.) WILL BE COLLECTED & STORED IN A COVERED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL & STATE SOLID WASTE MANAGEMENT REGULATIONS. CONSTRUCTION DEBRIS & OTHER WASTES THAT DO NOT LEACH POLLUTANTS WILL BE DEPOSITED IN A COVERED OR OPEN TOPPED DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY, & THE TRASH WILL BE HAULED TO AN APPROVED LANDFILL. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE OFFICE TRAILER & THE INDIVIDUAL WHO MANAGES THE DAY TO DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

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SINKHOLE NOTE

1) REFERENCE GEOTECH REPORT BEFORE PERFORMING ANY WORK ON OR AROUND THE EXISTING SINKHOLES.

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PROJECT:
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FOR
HARRISON REMC
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1165 OLD FORREST ROAD
CORYDON, IN 47112
COMPOSITE DRAINAGE PLAN

CASEY J. DEYOUNG
REGISTERED
NO. 11500081
STATE OF
INDIANA
PROFESSIONAL ENGINEER

JOB NO:	24071
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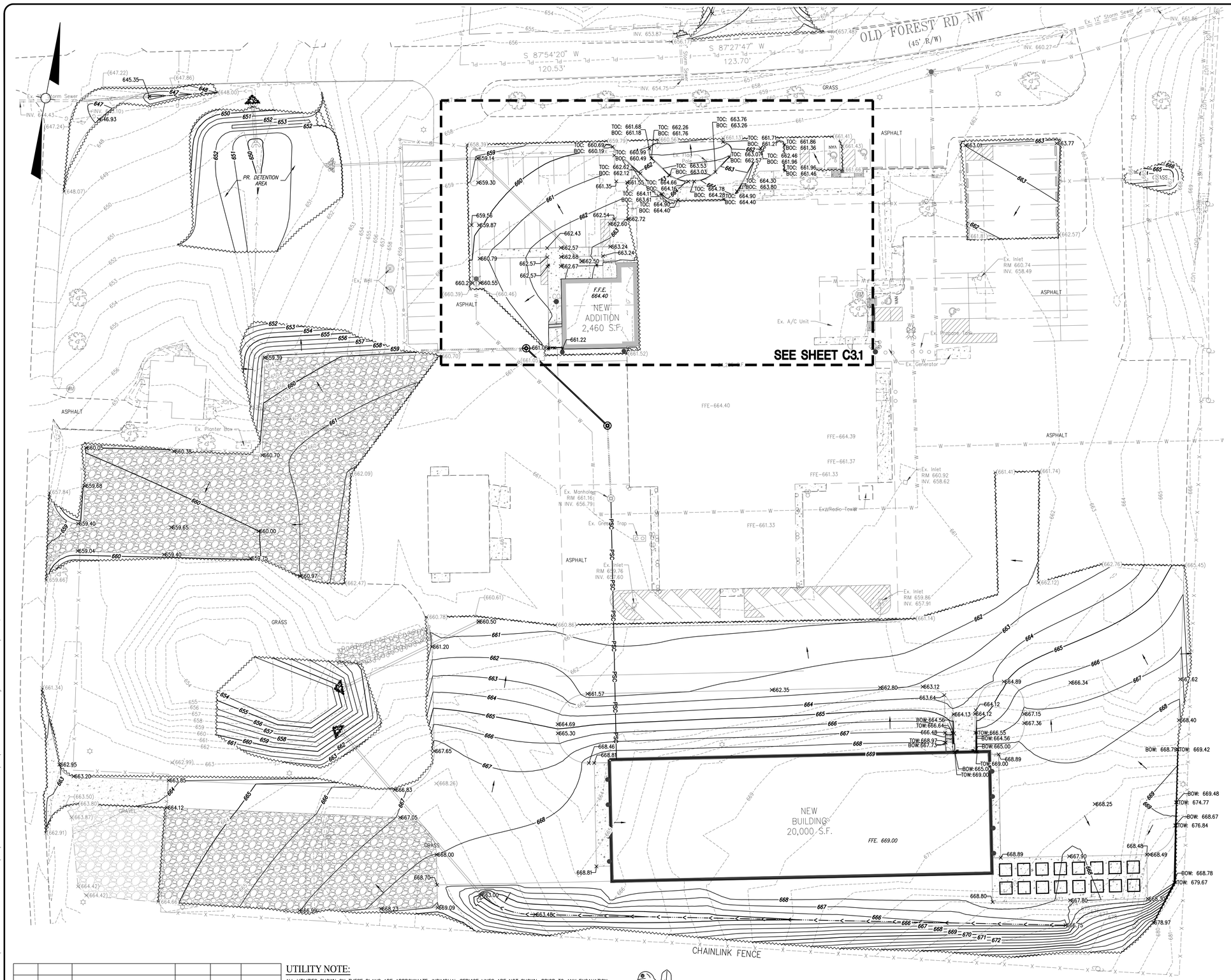
CONSTRUCTION SET

X:\AA-Projects-2024\24071 - Harrison REMC Campus\Construction - Main Campus\24071- CDP.dwg PLOT DATE: April 24, 2025 - 9:54am



LOCATION MAP
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GRADING PLAN

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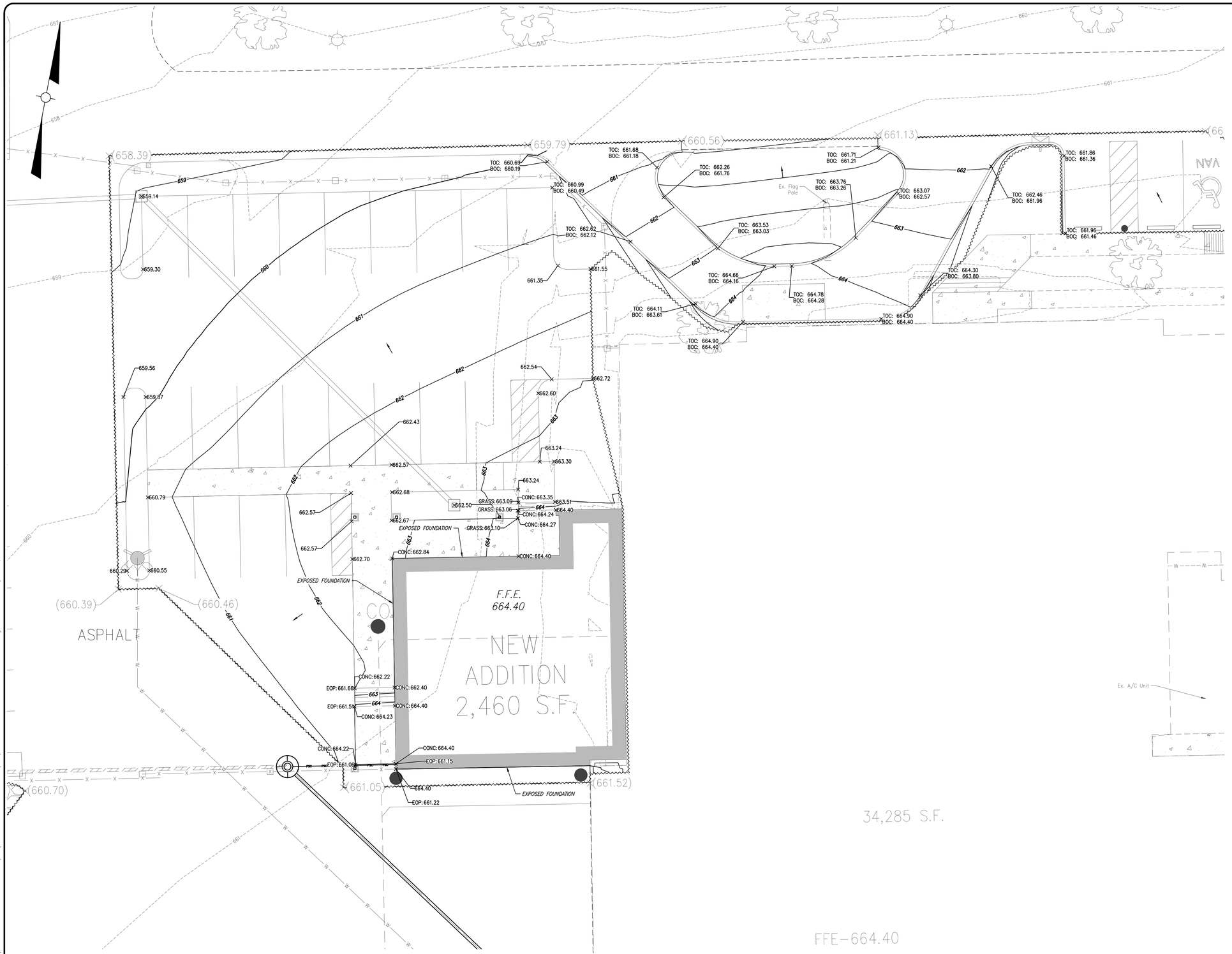

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Louisville, KY 40202
(502) 562-1412
(502) 562-1413 Fax
603 North Shore Drive
Unit 204
Jeffersonville, IN 47130
(812) 280-8201
(812) 280-8281 Fax

OWNER/DEVELOPER:
HARRISON REMC
1165 OLD FOREST RD
CORYDON, IN 47112

PROJECT:
CONSTRUCTION PLANS
FOR
HARRISON REMC
MAIN CAMPUS
1165 OLD FOREST ROAD
CORYDON, IN 47112
BUILDING ADDITION GRADING PLAN

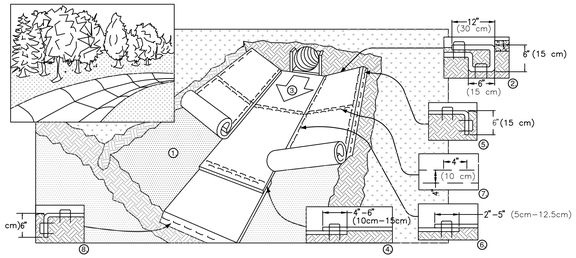
CASEY J. DEYOUNG
REGISTERED
NO. 11500081
STATE OF INDIANA
PROFESSIONAL ENGINEER

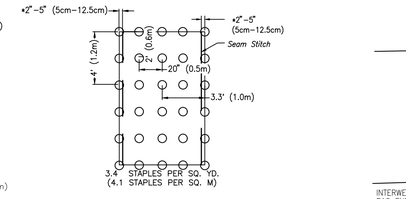
JOB NO:	24071
HORIZ. SCALE:	1"= 10'
VERTICAL SCALE:	N/A
DESIGNED BY:	DJ
DETAILED BY:	SDK
CHECKED BY:	CJD
DATE:	4/24/25

SHEET
C3.1
of 10

CONSTRUCTION SET

X:\AA-Projects-2024\24071 - Harrison REMC Campus\Construction - Main Campus\24071- BUILDING ADDITION GRADING.dwg PLOT DATE: April 24, 2025 - 9:55am





"D" PATTERN

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.

2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.

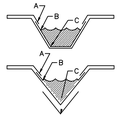
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES ≈ IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM , STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.

4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" (10cm-15cm) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10cm) APART AND 4" (10cm) ON CENTER TO SECURE BLANKETS.

5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

6. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"-5" (5cm-12.5cm) (DEPENDING ON BLANKET TYPE) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN w WITH THE COLORED SEAM STITCH ON THE BLANKET BEING OVERLAPPED.

7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9m-12m) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10cm) APART AND 4" (10cm) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL. 8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

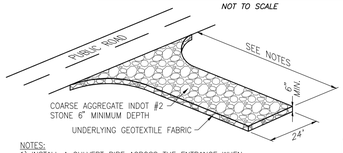


CRITICAL POINTS
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. BOTTOM/SIDE SLOPE VERTICES

NOTE:
* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.

** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 cm) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

EROSION CONTROL BLANKET INSTALLATION
NOT TO SCALE

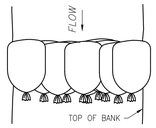


NOTES:
1) INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.

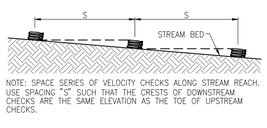
2) DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.

3) FOR SITES LESS THAN 5 ACRES, 100'.
FOR SITES GREATER THAN 5 ACRES, 150'.

STABILIZED CONSTRUCTION ENTRANCE
N.T.S



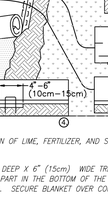
TYPICAL PLAN



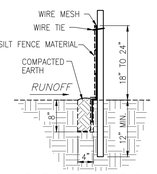
NOTE: SPACE SERIES OF VELOCITY CHECKS ALONG STREAM REACH. USE SPACING "S" SUCH THAT THE CRESTS OF DOWNSTREAM CHECKS ARE THE SAME ELEVATION AS THE TOE OF UPSTREAM CHECKS.

TYPICAL PROFILE

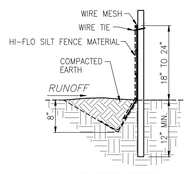
SILT FENCE INSTALLATION



FABRIC ATTACHMENT DETAIL



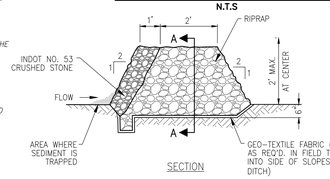
FLAT-BOTTOM TRENCH SECTION



V-SHAPED TRENCH SECTION

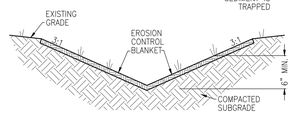
REINFORCED SILT FENCE
N.T.S

HEADWALL INLET PROTECTION
N.T.S



SECTION

ROCK CHECK DAM
N.T.S

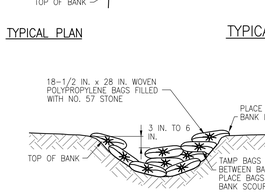


EARTH SWALE DETAIL
N.T.S

TYPICAL PLAN

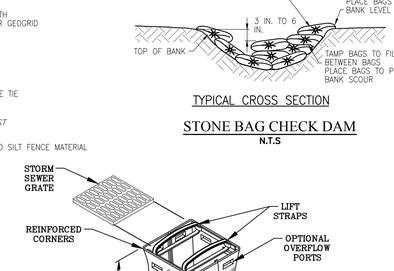
NOTE: SPACE SERIES OF VELOCITY CHECKS ALONG STREAM REACH. USE SPACING "S" SUCH THAT THE CRESTS OF DOWNSTREAM CHECKS ARE THE SAME ELEVATION AS THE TOE OF UPSTREAM CHECKS.

TYPICAL PROFILE



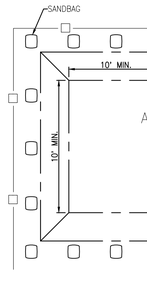
TYPICAL CROSS SECTION

STONE BAG CHECK DAM
N.T.S

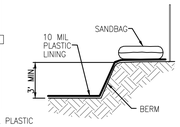


DETAIL OF INLET SEDIMENT CONTROL DEVICE

DANDY SACK
N.T.S

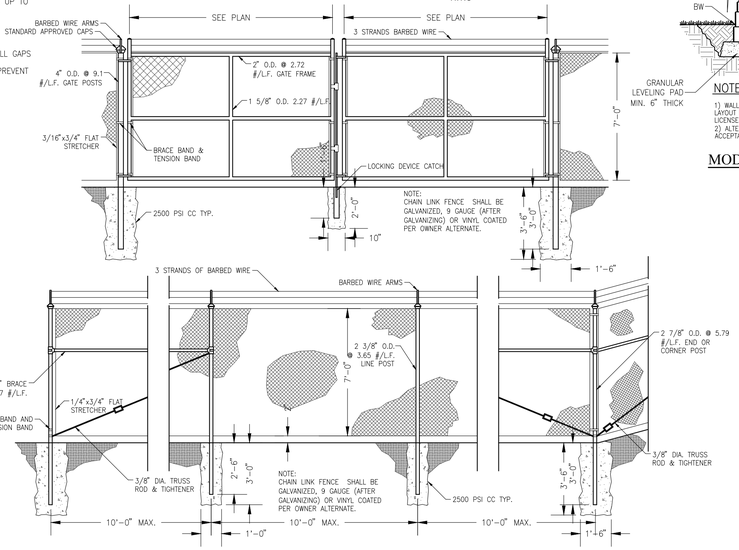


PLAN

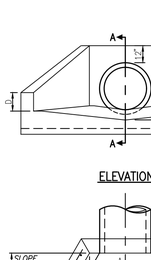


SECTION A–A

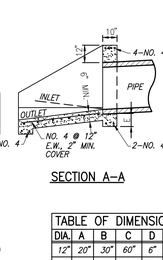
CONCRETE WASHOUT AREA
N.T.S



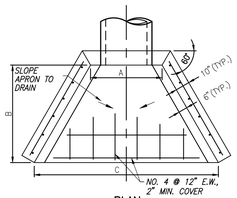
CHAIN LINK FENCE AND GATE
N.T.S



ELEVATION



SECTION A–A

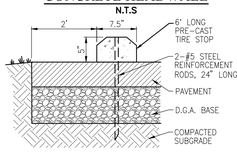


PLAN

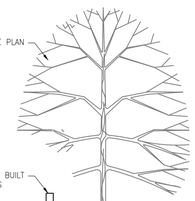
TABLE OF DIMENSIONS					
DIA.	A	B	C	D	E
12"	20"	30"	60"	6"	8"
15"	23"	36"	72"	6"	8"
18"	28"	42"	84"	9"	8"
24"	34"	48"	96"	9"	8"
30"	40"	54"	108"	12"	10"
36"	48"	60"	120"	15"	10"
42"	54"	66"	132"	18"	10"
48"	60"	72"	144"	21"	12"
54"	66"	78"	156"	24"	12"
60"	72"	84"	168"	24"	12"

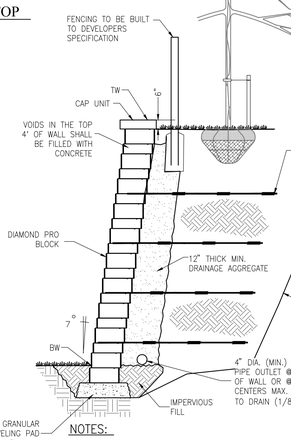
NOTE: ALL EDGES OF EXPOSED CONCRETE TO BE CHAMFERED ONE INCH.

CONCRETE HEADWALL
N.T.S



CONCRETE TIRE STOP
NO SCALE

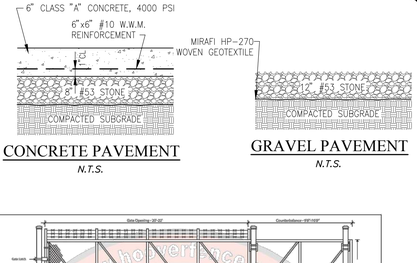




NOTES:
1) WALLS ARE TO BE DESIGN/BUILD. CONTRACTORS SUBMIT BIDS BASED ON LAYOUT INCLUDING ESTIMATED LABOR, MATERIALS, AND FINAL ENGINEERING COSTS. LICENSED ENGINEER IS TO PROVIDE FINAL WALL DESIGN.
2) ALTERNATE LARGER BLOCK WALL RETAINING SYSTEM OPTIONS SHALL BE ACCEPTABLE.

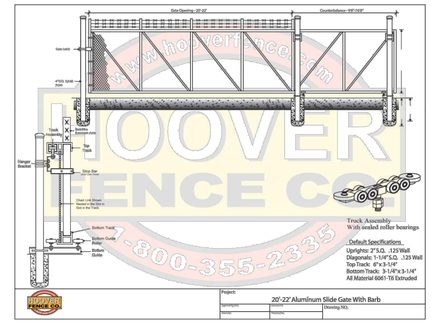
MODULAR RETAINING WALL
N.T.S

ASPHALT PAVEMENT
N.T.S.



CONCRETE PAVEMENT
N.T.S.

GRAVEL PAVEMENT
N.T.S.



HOOVER FENCE CO.
1-800-355-2335

MATERIAL PROPERTY DATA SHEET

WESTERN GREEN

BioNet® SC150BN™
Extended Term • Double Net • Coconut/Straw Matrix • Biodegradable • Erosion Control Blanket

DESCRIPTION

SC150BN Extended Term Erosion Control Blanket consists of 30% coconut fibers and 70% weed free agricultural straw manufactured into a continuous matrix. The coconut/straw matrix is confined by a biodegradable, jute/scrim net on top and bottom, mechanically (stitch) bound on two-inch centers with a biodegradable, cotton thread. SC150BN is intended for slope and channel erosion control applications requiring up to twenty-four months of functional longevity. The material is fully degradable. The net, thread, and the fiber matrix is biodegradable. Actual field longevity is dependent on soil and climatic conditions.

Each roll of SC150 is made in the USA and manufactured under Western Green's Quality Assurance Program to ensure a continuous distribution of fibers and consistent thickness.

Material Content		
Matrix	Straw/Coconut	
Netting	Top & Bottom Net: Jute Scrim, Biodegradable, Leno Weave	Double Net
Thread	Biodegradable Cotton or Rayon	

Standard Roll Sizes				
Width	6 ft	(2.4 m)	16 ft	(4.9 m)
Length	112 ft	(34.1 m)	563 ft	(171.0 m)
Weight ± 10%	53 lb	(24.1 kg)	530 lb	(240.5 kg)
Area	100 sy	(83.6 m²)	1000 SY	(836.0 m²)

Material available in custom roll sizes

Approvals & Classification	
Classification	FHWA, Type 3.B / ECTC: Type 3.B
TTI Approvals	N/A
SETRIT Number	ECP-2020-01-019

Index Property	Test Method	Typical	
Thickness	ASTM D6525	0.30 in.	(8 mm)
Mass/Unit Area	ASTM D6566	8.5 oz/sy	(290 g/m²)
Tensile Strength – MD	ASTM D6818	210 lbs/ft	(3.1 kN/m)
Tensile Strength – TD	ASTM D6818	190 lbs/ft	(2.8 kN/m)
Elongation – MD	ASTM D6818	15%	
Elongation – TD	ASTM D6818	15%	
Density/Specific Gravity	D792	N/A	
Light Penetration	ASTM D6567	12%	
Biomass Improvement	ASTM D7322	550%	
Water Absorption	ASTM D1117	350%	

Design Parameters		
Property	Unvegetated	Vegetated[1]
RUSLE C Factor[2]	0.03	N/A
Slope Maximum Gradient[3]	2H:1V	N/A
Permissible Shear Stress[4]	2.1 psf (100 Pa)	N/A
Permissible Velocity[4]	8.0 fps (2.4 m/s)	N/A
Manning's n Roughness (HEC-15)		
n_{min}	n_{typ}	n_{max}
0.045	0.056	0.033

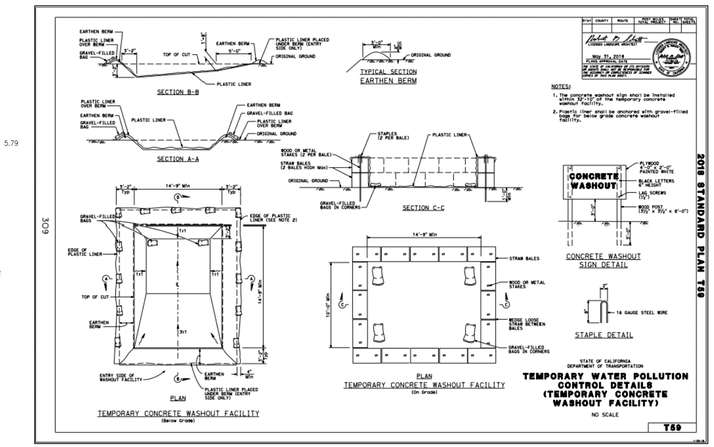
1. Maximum Gradient is recommendation for typical installations.
2. Hydraulic thresholds compliant with ASTM D6459/ASTM but not guaranteed for typical applications.
3. Vegetated values dependent on established stand of vegetation.

Rev. 4.2023
Scan for additional and updated product information, or click here.

NORTH AMERICAN GREEN

Western Green • 4609 E. Boonville-New Harmony Rd. Evansville, IN 47725 • (800) 772-2040

westerngreen.com



NOTES:
1. The temporary washout sign shall be installed within 30' to 50' of the temporary concrete washout facility.
2. Property liner shall be anchored with gravel-filled bags below grade concrete washout facility.

–	–	–		–	–	–
Revision	Date	Description		Detailed By	Chk'd By	Approved By

UTILITY NOTE:

ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. PRIOR TO ANY EXCAVATION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE NECESSARY UTILITY AGENCIES AND OBTAIN THE PRECISE LOCATION OF THEIR FACILITIES. THE CONTRACTOR SHALL FAMILIARIZE THEMSELF WITH ALL UTILITY REQUIREMENTS AS SET OUT ON THE PLANS, IN THE SPECIFICATIONS, AND IN THE SPECIAL PROVISIONS.

THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER "HOLEY MOLEY" (TOLL FREE PHONE No. 1-800-382-5544) TWO (2) WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS & WATER LINES).

Indiana811 Know what's below. Call before you dig

TEMPORARY BENCHMARKS

TBM#1
DESCRIPTION:
ELEVATION:
COORDINATES:

ENGINEER:
HERITAGE ENGINEERING, LLC
642 South 4th Street
Suite 204
Louisville, KY 40202
(502) 562-1412
(502) 562-1413 Fax

603 North Shore Drive
Unit 204
Jeffersonville, IN 47130
(812) 280-8201
(812) 280-8281 Fax

OWNER/DEVELOPER:
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1165 OLD FOREST RD
CORYDON, IN 47112

PROJECT:
CONSTRUCTION PLANS
FOR
HARRISON REMC
MAIN CAMPUS
1165 OLD FOREST ROAD
CORYDON, IN 47112
DETAIL SHEET

CASEY J. DEYOUNG
REGISTERED
NO. 11500081
STATE OF INDIANA
PROFESSIONAL ENGINEER

JOB NO:	24071
HORIZ. SCALE:	N/A
VERTICAL SCALE:	N/A
DESIGNED BY:	DJ
DETAILED BY:	SDK
CHECKED BY:	CJD
DATE:	4/24/25

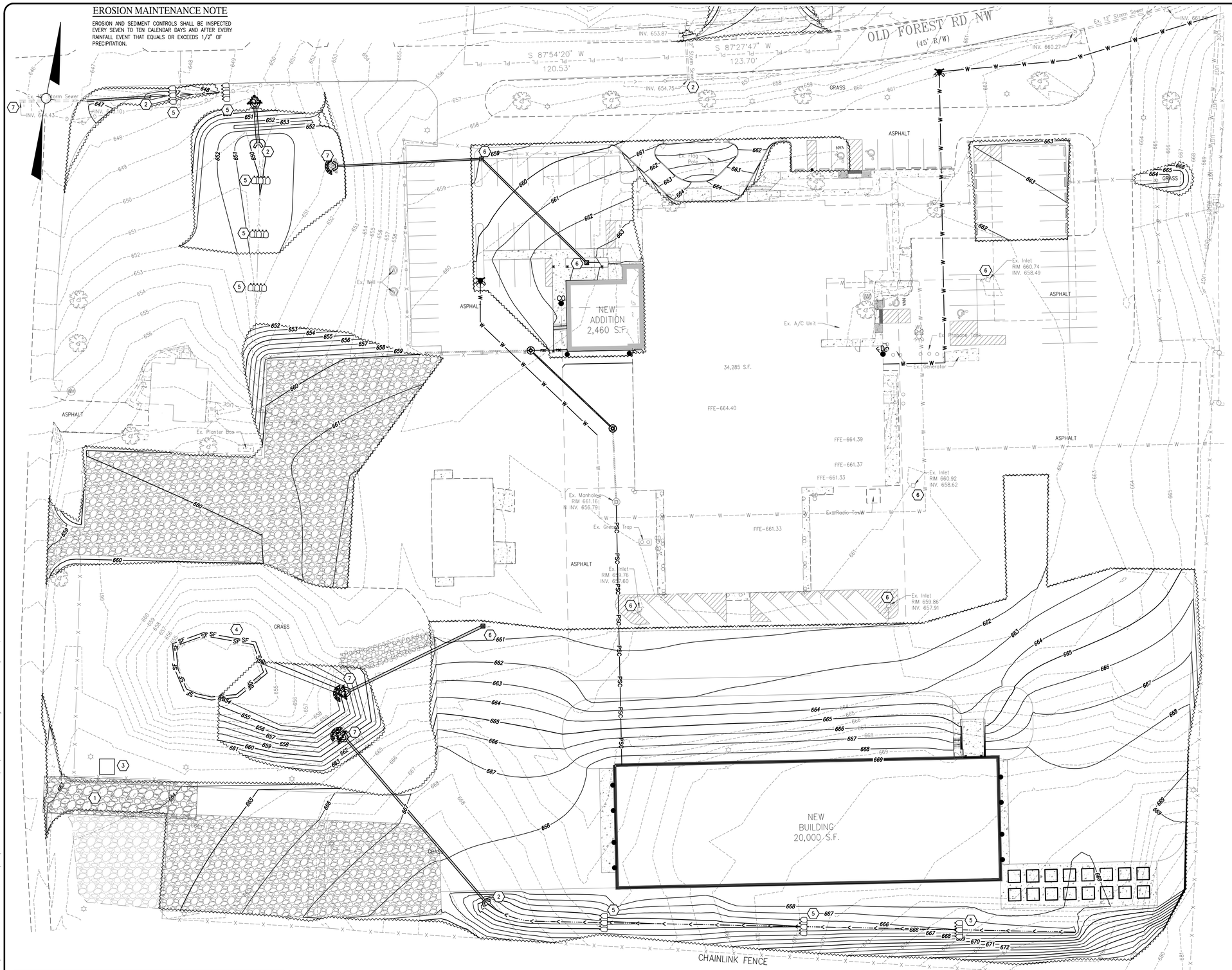
SHEET
C4.0
of 10

CONSTRUCTION SET

X:\A-Projects--2024\24071 - Harrison REMC Campus\Construction - Main Campus\24071- DETAILS.dwg PLOT DATE: April 24, 2025 - 9:55am

EROSION MAINTENANCE NOTE

EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED EVERY SEVEN TO TEN CALENDAR DAYS AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 1/2" OF PRECIPITATION.



LOCATION MAP
NOT TO SCALE

PHASING & SEQUENCING

PHASE I (BEFORE DEMOLITION & SITE CLEARING.)

1. CONTACT SWCD FOR A PRE-CONSTRUCTION MEETING BEFORE INSTALLING ANY EROSION CONTROL.
2. CLEAR ONLY AREA NECESSARY FOR CONSTRUCTION ENTRANCE & CONCRETE WASHOUT AREA – COORDINATE WITH OWNER.
3. CONSTRUCT CONSTRUCTION ENTRANCE.
4. CONSTRUCT SILT FENCES AROUND EXISTING SINKHOLE.

PHASE II (CLEARING & GRADING OF SITE.)

1. BEGIN CLEARING, SINKHOLE COMPENSATION GRADING, TREE REMOVAL, & DEMOLISHING OF THE SITE INSIDE PHASE II DISTURBANCE AREAS.
2. BEGIN GRADING OF THE SITE INSIDE DISTURBANCE AREA, CREATING AND MAINTAINING A POSITIVE FLOW TO EXISTING SINKHOLE.
3. DISTURBED AREAS WHERE CONSTRUCTION WILL CEASE FOR 7 DAYS WILL BE STABILIZED WITH EROSION CONTROLS.
4. INSTALL EROSION CONTROL BLANKETS ON ALL SLOPES STEEPER THAN 20% DISTURBED.
5. SEDIMENT CONTROL STRUCTURES SHALL BE CLEANED ONCE DEPOSITED SEDIMENT REACHES 1/3 THE HEIGHT OF THE STRUCTURE.

PHASE III (INFRASTRUCTURE INSTALLATION.)

1. INSTALL OTHER STORM PIPES & INLET PROTECTION ON STORM STRUCTURES AS SITE IS BROUGHT TO GRADE.
2. INSTALL SITE UTILITIES.
3. ALL BMP'S NEED TO BE MAINTAINED AFTER EVERY EVENT GREATER THAN 0.5 INCH OF PRECIPITATION.

PHASE IV (COMPLETE DEMOLITION, GRADING OF SITE)

1. COMPLETE GRADING OF SLAB AREAS WITH A PROCESS THAT WILL MAINTAIN POSITIVE FLOW TO BMP'S.
2. PERMANENT STABILIZED AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
3. COMPLETE UTILITY INSTALLATION.

PHASE V (FINALIZE SITE FOR PAVEMENT ACTIVITIES, PAVEMENT & FINAL STABILIZATION.)

1. PREPARE PAVEMENT SUBGRADE.
2. FINALIZE SITE FOR PAVEMENT ACTIVITIES.
3. INSTALL CONCRETE & GRAVEL PAVEMENT.
4. REMOVE ALL REMAINING TEMPORARY CONTROL BMP'S AND STABILIZE ANY AREAS DISTURBED BY THESE REMOVALS.
5. PREPARE FINAL SEEDING AND LANDSCAPING.
6. MONITOR STABILIZED AREAS UNTIL FINAL STABILIZATION.
7. ONCE CONSTRUCTION HAS BEEN COMPLETED AND SITE HAS BEEN STABILIZED REMOVE SILT FENCES FROM AROUND SINKHOLE.
8. ONCE GRASS HAS BEEN ESTABLISHED IN DITCHES, REMOVE STONE BAGS AND ROCK DITCH CHECK.

OWNER

HARRISON REMC
1165 OLD FOREST ROAD
CORYDON, IN 47112

AREA OF DISTURBANCE

4.08 ACRES

EROSION CONTROL NOTES

1) THE APPROVED EROSION CONTROL PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EROSION CONTROL PLAN MUST BE REVIEWED AND APPROVED BY LOCAL GOVERNING AGENCY.

2) ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO ADJACENT RETAIL PARKING & PUBLIC ROADWAYS. SOIL TRACKED ONTO THE PARKING & ROADWAY SHALL BE REMOVED DAILY.

3) SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES, AND CATCH BASINS. SOIL STOCKPILES SHALL BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH USE OF SILT FENCE.

4) WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 7 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.

5) SEDIMENT LADEN GROUND WATER ENCOUNTERED DURING THE TRENCHING, BORING, OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE, AND/OR CATCH BASIN.

6) SPREAD EXCESS DIRT ON SITE IN THE AREA DELINEATED ON THE PLANS AND MAINTAIN EXISTING DRAINAGE PATTERNS IN THE AREA.

7) EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED EVERY 7-10 CALENDAR DAYS AND AFTER EVERY REAINFALL EVENT THAT EQUALS OR EXCEEDS 1/2" OF PRECIPITATION.

EROSION CONTROL DETAILS

	TYPE	DETAIL
1	TEMPORARY CONSTRUCTION ENTRANCE	SEE DETAIL SHEET
2	HEADWALL INLET PROTECTION	SEE DETAIL SHEET
3	CONCRETE WASHOUT AREA	SEE DETAIL SHEET
4	REINFORCED SILT FENCE	SEE DETAIL SHEET
5	STONE BAG CHECK DAM	SEE DETAIL SHEET
6	DANDY SACK	SEE DETAIL SHEET
7	ROCK CHECK DAM	SEE DETAIL SHEET

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 INCH = 30FEET

Revision	Date	Description	Detailed By	Chk'd By	Approved By
–	–	–	–	–	–

UTILITY NOTE:

ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. PRIOR TO ANY EXCAVATION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE NECESSARY UTILITY AGENCIES AND OBTAIN THE PRECISE LOCATION OF THEIR FACILITIES. THE CONTRACTOR SHALL FAMILIARIZE THEMSELF WITH ALL UTILITY REQUIREMENTS AS SET OUT ON THE PLANS, IN THE SPECIFICATIONS, AND IN THE SPECIAL PROVISIONS.

THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER "HOLEY MOLEY" (TOLL FREE PHONE No. 1-800-382-5544) TWO (2) WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS & WATER LINES).

Indiana811
Know what's below. Call before you dig

TEMPORARY BENCHMARKS

TBM#1
DESCRIPTION:
ELEVATION:
COORDINATES:

LEGEND

EROSION CONTROL BLANKET

ENGINEER:
HERITAGE ENGINEERING, LLC
642 South 4th Street
Suite 100
Louisville, KY 40202
(502) 562-1412
(502) 562-1413 Fax

603 North Shore Drive
Unit 204
Jeffersonville, IN 47130
(812) 280-8201
(812) 280-8281 Fax

OWNER/DEVELOPER:
HARRISON REMC
1165 OLD FOREST RD
CORYDON, IN 47112

PROJECT:
CONSTRUCTION PLANS
FOR
HARRISON REMC
MAIN CAMPUS
1165 OLD FOREST ROAD
CORYDON, IN 47112
EROSION CONTROL PLAN

CASEY J. DEYOUNG
REGISTERED
NO. 11500081
STATE OF
INDIANA
PROFESSIONAL ENGINEER

JOB NO:	24071
HORIZ. SCALE:	1"=30'
VERTICAL SCALE:	N/A
DESIGNED BY:	DJ
DETAILED BY:	SDK
CHECKED BY:	CJD
DATE:	4/24/25

SHEET
ER1
of 10

CONSTRUCTION SET

X:\A-Projects-2024\24071 - Harrison REMC Campus\Construction - Main Campus\24071- ER.dwg PLOT DATE: April 24, 2025 - 9:55am

SOIL EROSION CONTROL NOTES

ALL EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL STANDARDS. AN EPA EQUIVALENT NOTICE OF INTENT LETTER SHALL BE POSTED IN THE JOB TRAILER AT ALL TIMES. THIS SITE SHALL BE PROTECTED BY MEANS DESCRIBED IN THE ACCOMPANYING PLANS. IF THERE ARE ANY QUESTIONS REGARDING EROSION CONTROL MEASURES, THE CIVIL ENGINEER OF RECORD MUST BE CONTACTED.

A COPY OF THIS SHEET AND THE EROSION CONTROL PLAN MUST BE KEPT ON-SITE THROUGH THE DURATION OF CONSTRUCTION ACTIVITY. ANY CHANGES MADE TO THIS PLAN MUST BE NOTED, DATED, AND INITIALED BY THE GENERAL CONTRACTOR.

I. GENERAL

THE INTENT OF THIS PLAN IS TO CONTROL EROSION THAT MAY RESULT IN EXCAVATION AND INSTALLATION OF THE PROPOSED INFRASTRUCTURE. THE ITEMS INDICATED ARE THE ENGINEER'S BEST ESTIMATE OF REQUIREMENTS; MORE CONTROL MAY BE NEEDED DEPENDING ON SITE CONDITIONS, SEASON, ETC. CONTRACTOR SHALL INSTALL ADDITIONAL MEASURES AS NECESSARY TO COMPLY WITH THIS INTENT. ALL CHANGES TO THE SWPPP MUST BE NOTED.

A. BEST MANAGEMENT PRACTICES PLAN, WITH ALL SEDIMENT AND EROSION CONTROL PLANS, SHALL BE KEPT ON-SITE WITH COPIES OF ALL INSPECTION REPORTS.
B. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO ANY LAND DISTURBING ACTIVITY TAKING PLACE.

II. IMPLEMENTATION

A. PERMANENT SURFACE STABILIZATION SPECIFICATION

IN ADDITION TO THE BEST MANAGEMENT PRACTICES CONCERNING EROSION CONTROL, ONCE CONSTRUCTION HAS BEEN COMPLETED, THE AREA SHALL BE PERMANENTLY STABILIZED.

IN AREAS OF REMEDIATION, SEVERELY ERODED AND UNSTABLE AREAS OF THE SITE, INCLUDING ANY STEEPLY SLOPING AREAS SHALL BE EVALUATED AND APPROPRIATE STABILIZATION METHODS DETERMINED. UTILIZING METHODS BEYOND SEED AND STRAW (I.E. EROSION CONTROL BLANKETS) WILL LIKELY RESULT IN BETTER STABILIZATION RESULTS. THE CONTRACTOR IS TO US HIS BEST JUDGEMENT IN DECIDING THE BEST METHOD.

B. IF SEED AND STRAW ARE CHOSEN FOR STABILIZATION, SEED AND STRAW SHALL BE BROADCAST EITHER BY HAND OR APPROVED SOWING EQUIPMENT, UNIFORMLY OVER THE AREA, THE SEED SHALL BE DRILLED OR RAKED A DEPTH OF APPROXIMATELY ONE HALF INCH (1/2") AND THE SEEDED AREAS SHALL BE LIGHTLY RAKED TO COVER THE SEED. ALL RIDGES SHALL BE SMOOTHED OUT AND ALL FURROWS AND WHEEL TRACKS, LIKELY TO DEVELOP INTO WASHES, SHALL BE REMOVED.

SOIL AMENDMENTS – SELECT MATERIALS AND RATES AS DETERMINED BY A SOIL TEST OR FERTILIZER SHALL BE APPLIED AT THE RATE OF 600 POUNDS OF 12-12-12 ANALYSIS, OR EQUIVALENT PER ACRE AND SHALL BE INCORPORATED INTO THE SOIL AT A DEPTH OF AT LEAST TWO (2) INCHES. THE INCORPORATION OF THE FERTILIZER MAY BE A PART OF THE TILLAGE OPERATION AND SHALL BE APPLIED NOT LESS THAN 24 HOURS NOR MORE THAN 48 HOURS BEFORE THE SEED IS SOWN.

AFTER THE SEED HAS BEEN SOWN, THE SEEDED AREAS SHALL BE MULCHED WITH CLEAN STRAW AT THE RATE OF ONE (1) BALE PER 1,000 SQUARE FEET (APPROXIMATELY TWO INCHES LOOSED DEPTH) AND THOROUGHLY WATERED. THE SEED BEDS SHALL BE ANCHORED TO PREVENT REMOVAL BY WIND OR WATER OR COVERED WITH MANUFACTURED EROSION CONTROL BLANKET.

THE CONTRACTOR SHALL APPLY THE SPECIFIED VEGETATION WITH THE CONSIDERATION OF SEASONAL PLANTING TIMES. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES THAT WILL ALLOW FINAL SEEDING OF THE SITE TO BE COMPLETED IN THE LATE FALL OR EARLY SPRING. IF CONSTRUCTION ACTIVITIES DO NOT ALLOW FINAL SEEDING TO OCCUR AT THE OPTIMAL TIME, THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES TO SECURE THE SITE FROM POTENTIAL PROBLEMS.

C. IF EROSION CONTROL BLANKETS ARE CHOSEN FOR STABILIZATION, SELECT THE TYPE AND WEIGHT OF EROSION CONTROL BLANKET TO FIT THE SITE CONDITIONS (E.G., SLOPE, CHANNEL, FLOW VELOCITY) PER THE MANUFACTURER'S SPECIFICATIONS.
PREPARE THE SEEDBED, ADD SOIL AMENDMENTS, AND PERMANENTLY SEED (SEE PERMANENT SEEDING CHART THIS SHEET) THE AREA IMMEDIATELY FOLLOWING SEEDBED PREPARATION.
LAY EROSION CONTROL BLANKETS ON THE SEEDED AREA SO THAT THEY ARE IN CONTINUOUS CONTACT WITH THE SOIL WITH EACH UP-SLOPE OR UP-STREAM BLANKET OVERLAPPING THE DOWN-SLOPE OR DOWN-STREAM BLANKET BY AT LEAST EIGHT INCHES, OR FOLLOW MANUFACTURER'S RECOMMENDATIONS.
TUCK THE UPPERMOST EDGE OF THE UPPER BLANKETS INTO A CHECK SLOT (SLIT TRENCH), BACKFILL WITH SOIL AND TAMP DOWN. IN CERTAIN APPLICATIONS, THE MANUFACTURER MAY REQUIRE ADDITIONAL CHECK SLOTS AT SPECIFIC LOCATIONS DOWN SLOPE FROM THE UPPERMOST EDGE OF THE UPPER BLANKETS.
ANCHOR THE BLANKETS IN PLACE BY DRIVING STAPLES, PINS, OR STAKES THROUGH THE BLANKET AND INTO THE UNDERLYING SOIL. FOLLOW AN ANCHORING PATTERN APPROPRIATE FOR THE SITE CONDITIONS AND AS RECOMMENDED BY THE MANUFACTURER.
CONTRACTOR TO MAINTAIN EROSION CONTROL BLANKET PER THE INDIANA STORM WATER QUALITY MANUEL INSTRUCTIONS.

D. CONTRACTOR SHALL REMOVE ANY UNSUITABLE MATERIAL FROM THE SITE LEFT FROM THE EROSION CONTROL MEASURES.

E. PERMANENT SEEDING SHALL BE APPLIED IN ACCORDANCE WITH THE INDIANA STORM WATER QUALITY MANUAL. PERMANENT SEEDING CHARTS CAN BE FOUND ON THIS SHEET.

F. FINAL STABILIZATION WILL BE CONSIDERED ACHIEVED WHEN PERENNIAL VEGETATIVE COVER HAS A DENSITY OF SEVENTY PERCENT (70%) ON ALL UNPAVED AREAS OR AN EQUIVALENT PERMANENT STABILIZATION MEASURE HAVE BEEN EMPLOYED. IMPLEMENTATION AND MAINTENANCE WILL BE ACCORDING TO SECTIONS C2 AND C5 – THIS SHEET.

GENERAL SEEDING

SEASONAL SOIL PROTECTION CHART

STABILIZATION PRACTICE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING						**********	**********	**********	**********			
DORMANT SEEDING												
TEMPORARY SEEDING						**********	**********	**********				
SODDING						**********	**********	**********				
MULCHING												

********** DENOTES IRRIGATION NEED DURING THOSE DESIGNATED MONTHS

G. INSPECTION AND MAINTENANCE INSTRUCTIONS:

THE FOLLOWING WILL APPLY TO MAINTAINING EROSION AND SEDIMENT CONTROL FACILITIES:

1. ALL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE INSPECTED REGULARLY TO ENSURE THEY ARE EFFECTIVE IN THE EVENT OF RAINFALL. MEASURES SHALL BE INSPECTED ONCE A WEEK (MINIMUM) AND WITHIN TWENTY-FOUR (24) HOURS AFTER EACH RAINFALL EVENT. ANY DAMAGED OR NONFUNCTIONAL FACILITY SHALL BE REPAIRED OR REPLACED IMMEDIATELY. WEEKLY INSPECTION REPORTS SHALL BE KEPT ON FILE IN THE CONSTRUCTION TRAILER.
2. SILT FENCE BARRIERS SHALL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES ONE-THIRD THE HEIGHT OF THE BARRIER.
3. SEEDED AREAS SHALL BE CHECKED REGULARLY TO ENSURE A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RE-SEEDED AS NECESSARY.
4. IF ANY FACILITY IS DAMAGED DURING MAINTENANCE, OR OTHERWISE, THE DAMAGED SHALL BE REPAIRED IMMEDIATELY.
5. IF SILT HAS OBSTRUCTED THE SEDIMENT CONTROL FACILITY TO THE POINT OF ELIMINATING ALL FILTERING EFFECTIVENESS, THE STRUCTURE SHALL BE REMOVED AND REPLACED WITH A NEW STRUCTURE IN ACCORDANCE WITH THE ASSOCIATED DETAIL.
6. TIRES SHALL BE WASHED PRIOR TO ENTERING A PAVED ROADWAY.

H. MAINTAINING EFFECTIVENESS:

CONTRACTOR SHALL INSPECT OVERALL PERFORMANCE OF EROSION AND SEDIMENT CONTROL FACILITIES AND AREAS DOWNSTREAM. IF SILT IS APPARENT DOWNSTREAM FROM STRUCTURES, SOME FAILURE HAS OCCURRED. IF SEDIMENT IS OBSERVED DOWNSTREAM, NOTIFY THE CIVIL ENGINEER. THE CIVIL ENGINEER WILL INSPECT THE CONDITION AND AFTER INSPECTION, DIRECT THE REMOVAL OF ACCUMULATED SEDIMENT DOWNSTREAM AND ADD ADDITIONAL STRUCTURAL MEASURES AS NECESSARY. CONTRACTOR SHALL IMPLEMENT SOLUTIONS TO PROBLEM AREAS AS RECOMMENDED.

III. COMPLETION

A. PROJECT CLOSE OUT:

THE FOLLOWING SHALL BE DONE AT THE END OF THE PROJECT:

1. INSPECT SITE TO ENSURE THAT GROUND COVER IS COMPLETE AND ADEQUATE. ALL AREAS SHOULD HAVE SUFFICIENT GROUND COVER (MINIMUM 80% VEGETATIVE COVER) WITH NO APPARENT EROSION.
2. WHEN GROUND COVER INSPECTION IS MADE AND APPROVED, ALL STRUCTURAL EROSION CONTROL FACILITIES MAY BE REMOVED ALONG WITH ANY ACCUMULATED SILT AND DEBRIS. AREAS DISTURBED BY STRUCTURE REMOVAL SHALL BE FINE GRADED, GRASSED, AND MULCHED AS REQUIRED.
3. IF GROUND COVER INSPECTION IS MADE AND PROBLEMS DISCOVERED, PERFORM APPROPRIATE REPAIR MEASURES AND RE-INSPECT PRIOR TO STRUCTURE REMOVAL.

B. MISCELLANEOUS ISSUES
1. NO FUEL OR OIL SHALL BE STORED ON SITE WITHOUT PROPER CONTAINMENT.
2. NO OILS OR GAS SHALL BE DUMPED ON SITE.
3. DE-WATERING OPERATIONS ARE NOT REQUIRED ON THIS PROJECT. IF REQUIRED, PUMPED GROUND WATER SHALL BE ROUTED THROUGH SILT CONTROL FACILITY TO FILTER WATER PRIOR TO DISCHARGE.
4. PROJECT SITE SHALL BE KEPT CLEAR OF ALL TRASH AND CONSTRUCTION DEBRIS. CONTRACTOR SHALL HAVE TRASH COLLECTED WEEKLY AND PLACED IN DUMPSTER TO BE HAULED OFF-SITE.
5. ALL WATER SUPPLIES WILL BE PROVIDED FROM PUBLIC WATER SUPPLY.
6. ALL HUMAN WASTE SHALL BE IN PORTABLE RESTROOM FACILITY OR IN TOILET CONNECTED TO PUBLIC SEWER SYSTEM. WASTES SHALL BE DISPOSED OF BY A LICENSED VENDOR OR IN A PUBLIC SANITARY SEWER SYSTEM.
7. ANY SPILLED OIL, GAS, ETC. RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE CONTAINED AND CLEANED IMMEDIATELY. CONTAMINATED SOILS SHALL BE DISPOSED OF IN AN APPROVED MANNER AT A LICENSED LANDFILL.
8. DUST SUPPRESSION OPERATIONS SHALL BE PERFORMED BY MEANS OF A WATER TRUCK DISTRIBUTING A FINE MIST OF WATER ON THE SITE SURFACE. CONCENTRATED STREAMS OF WATER SPRAY SHOULD BE AVOIDED.
9. ANY NON-STORM DISCHARGES SUCH AS, BUT NOT LIMITED TO, FIRE HYDRANT FLUSHINGS, WASH WATERS, DUST CONTROL, IRRIGATION DRAINAGE, ETC., THAT DO NOT CONTAIN HAZARDOUS MATERIALS SHALL BE PREVENTED FROM ALLOWING SEDIMENT TRANSPORT INTO STORM SEWERS. FLUSHINGS THAT CONTAIN HAZARDOUS MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWERS AND SHALL BE COLLECTED AND DISPOSED OF IN AN APPROVED MANNER.

Assessment of Construction Plan Elements (Section A)

A1 Index showing location of required Plan Elements
The location of required plan elements can be found outlined under each specific element pertaining to storm water quality measures on this sheet.

A2 Vicinity map depicting the project site location in relationship to recognizable local landmarks, towns, and major roads.
See Cover Sheet.

A3 Narrative describing the nature and purpose of the project
PROJECT CONSISTS OF A BUILDING ADDITION AND PROPOSED STORAGE BUILDING FOR THE HARRISON COUNTY REMC THAT DRAINS TO AN EXISTING SINKHOLE.

A4 Latitude & longitude to nearest fifteen (15) seconds
LATITUDE: 38.218292
LONGITUDE: -86.148841

A5 Legal Description of Project Site
004-00029-00 PT SE QR; 26-3-3; 4.686AC; SURVEY FILED 4-15-2024

A6 11x17-inch plat showing building lot numbers/boundaries and road layout/names
Attached

A7 Boundaries of the one hundred (100) year floodplains, floodway fringes, and floodways.
According to FEMA Firm Panel number 18061C0209D dated 10/16/14 the PROJECT IS LOCATED IN ZONE X.

A8 Land use of all adjacent Properties.
ADJACENT PROPERTIES ARE INDUSTRIAL LOTS.

A9 Identification of a U.S. EPA approved or established TMDL:
According to the WMP and TMDL Reports Search (WATRS) Tool, The site is located in Subwatershed [HUC 12]: INDIAN CREEK 051401041004.

A10 Name(s) of receiving water(s).
According to DNR the receiving waters is INDIAN CREEK.

A11 Identification of discharges to a water on the current 303(d) list of impaired water and the pollutant(s) for which it is impaired.
Runoff from the site will eventually discharge into INDIAN CREEK which IS on the 303(d) list.

A12 Soils map of the predominate soil types.
See This Sheet.

A13 Identification and location of all known wetlands, lakes, and water courses on or adjacent to the project site.
See Sheet ER1.

A14 Identification of any other state or federal water quality permits or authorizations that are required for construction activities.
None known.

A15 Identification and delineation of existing cover, including natural buffers.
EXISTING COVER IS GRASS AND TREES. SEE SHEET C1.0 FOR TREE CLEARING AREA.

A16 Existing site topography at an interval appropriate to indicate drainage patterns.
Refer to Sheet ER1.

A17 Identification(s) where run-off enters the project site.
RUNOFF ENTERS THE SITE FROM THE EAST SIDE OF THE PROPERTY.

A18 Location(s) where run-off discharges from the project site prior to land disturbance.
RUNOFF EXITS THE SITE THROUGH THE SINKHOLE ON THE WEST SIDE OF THE PROPERTY.

A19 Location of all existing structures on the project site.
Refer to Sheet ER1.

A20 Existing permanent retention or detention facilities, including manmade wetlands, designed for the purpose of stormwater management.
NONE.

A21 Locations where stormwater may be directly discharged into ground water, such as abandoned wells, sinkholes, or karst features.
SEE SHEET C3.0 FOR SINKHOLE LOCATION.

A22 Size of the project area expressed in acres
Approximately 10.26 Acres.

A23 Total expected land disturbance expressed in acres.
Approximately 4.08 Acres.

A24 Proposed final topography.
Refer to Sheet ER1.

A25 Locations and approximate boundaries of all disturbed areas.
For limits of disturbance refer to Sheets C1.0, C3.0, & ER1.

A26 Locations, size, and dimensions of all stormwater drainage systems such as culverts, stormwater sewer, and conveyance channels.
Refer to Sheets ER1.

A27 Locations of specific points where stormwater and non-stormwater discharges will leave the project site.
Post disturbance discharge points are the same as pre-disturbance discharge points.

A28 Location of all proposed site improvements, including roads, utilities, lot delineation and identification, proposed structures, and common areas.
Refer to Sheet ER1.

A29 Location of all on-site and off-site soil stockpiles and borrow areas.
Locations of proposed soil stockpiles and/or borrow/disposal areas will be located per the contractors discretion within the limits of disturbance. Stockpiles should be placed in accessible locations that will not interfere with other construction activities or block drainage. Stockpiles should be inspected daily. check for damage to perimeter barrier, repair immediately.

A30 Construction support activities that are expected to be part of this project..
The only support activities expected for the project is construction staging. Staging areas will be located per the contractor's discretion within the limits of disturbance. Location of support activities, where possible, should avoid sensitive areas, such as proximity to water resources or sensitive resource features (i.e., karst).

A31 Location of any in-stream activities that are planned for the project including, but not limited to, stream crossings and pump arounds.
NONE KNOWN.

PROJECT CONTACT INFORMATION	
PROJECT OWNER:	HARRISON COUNTY REMC
CONTACT:	DAVID LETT
ADDRESS:	1165 OLD FOREST ROAD
CITY:	CORYDON
STATE:	INDIANA
ZIP:	47112
PHONE:	812-738-4115
EMAIL:	dlett@harrisonremc.com

Revision	Date	Description	Detailed By	Chk'd By	Approved By
–	–	–	–	–	–

UTILITY NOTE:

ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. PRIOR TO ANY EXCAVATION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE NECESSARY UTILITY AGENCIES AND OBTAIN THE PRECISE LOCATION OF THEIR FACILITIES. THE CONTRACTOR SHALL FAMILIARIZE THEMSELF WITH ALL UTILITY REQUIREMENTS AS SET OUT ON THE PLANS, IN THE SPECIFICATIONS, AND IN THE SPECIAL PROVISIONS.

THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER "HOLEY MOLEY" (TOLL FREE PHONE No. 1-800-382-5544) TWO (2) WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS & WATER LINES).

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TEMPORARY BENCHMARKS

TBM#1
DESCRIPTION:
ELEVATION:
COORDINATES:

Storm Water Pollution Plan – Construction Component (Section B)

B1 Description of potential pollutant generating sources and pollutants, including all potential non-stormwater discharges.
The primary potential pollutant source during construction is sediment caused by stormwater runoff. Fluid leaks from construction equipment are also possible.

B2 Stable construction entrance locations and specifications (at all points of ingress and egress)
Temporary construction entrance shown on ER1. Contractor responsible for tracking (including those responsible for independent construction activities), shall be vigilant of tracking on roads. Sediment discharged or tracked onto roadways must be removed by those responsible for tracking at a minimum by the end of the day of discovery.

B3 Specifications for temporary and permanent surface stabilization (include sequencing).
The duration of time which an area remains exposed shall be kept to a practical minimum.
Stabilization must be initiated by the end of the seventh day the area is left idle. The stabilization activity must be completed within SEVEN (7) days after initiation.
Initiation of stabilization includes, but it not limited to, the seeding and/or planting of the exposed area and applying mulch or other temporary surface stabilization methods where appropriate. Areas that are not accessible due to an unexpected and disruptive event that prevents construction activities are not considered idle. Areas that have been compacted may be excluded from the stabilization requirement when the areas are intended to be impervious surfaces associated with the final land use, provided run-off from the area is directed to appropriate sediment control measures. Topsoil replacement (if deemed necessary) shall take place from March 1 to October 31. Stockpile topsoil (if necessary) at all other times of the year. See "Seasonal Soil Protection Chart" this sheet, "Temporary Seeding Chart" Cover Sheet and "Permanent Seeding Chart" Cover Sheet.Temporary seeding shall utilize seed species, application rates, and dates set forth in the Indiana Stormwater Quality Manual. See Sheet ER1 for construction sequencing. TEMPORARY EROSION CONTROL BLANKET SHALL BE BIONET SC150BN FOR WESTERN GREEN. SEE DETAILS ON SPECIFICATIONS C4.0

B4 Sediment control measures for concentrated flow areas.
Refer to Sheet ER1 for location, and Sheet ER2 for details.

B5 Sediment control measures for sheet flow areas.
Refer to Sheet ER1 for location and Sheet ER1 and ER2 for details.

B6 Runoff control measures (e.g. diversions, rock check dams, slope drains, etc.)
Refer to Sheet ER1 for location and Sheet ER2 for detail.

B7 Storm water outlet protection location and specifications.
Refer to Sheet ER1 for location and Sheet ER2 for details.

B8 Grade stabilization structure locations and specifications.
Outlet outfalls will be stabilized with rip-rap. Refer to Sheet ER1 and Sheet ER2 for locations and details.

B9 Dewatering applications and management methods.
N/A

B10 Measures utilized for work within waterbodies.
N/A

B11 Monitoring and maintenance guidelines for each proposed stormwater quality measure.
The approved erosion prevention and sediment control (EPSC) plan shall be implemented prior to any additional land disturbing activity on the construction site. Any modification to the approved ESPC plan must be reviewed and approved by the engineer. ESPC BMP'S shall be installed per the controlling jurisdiction's standards.

At the end of each day the contractor shall inspect and maintain all erosion control measures. If, in the event there are some unforeseen complications, the contractor shall contact the engineer immediately.

The following will apply to maintaining erosion and sediment control facilities:

All erosion and sediment control facilities shall be inspected regularly to ensure they are effective in the event of rainfall. Measures shall be inspected once a week (minimum) and within twenty-four (24) hours after each rainfall event. Any damaged or non-functional facility shall be repaired or replaced immediately. weekly inspection reports shall be kept on file in the construction trailer.

Silt fence barriers shall be checked regularly for undermining or deterioration of the fabric. sediment shall be removed when the level of deposition reaches one-third the height of the barrier.

Seeded areas shall be checked regularly to ensure a good stand is maintained. Areas should be fertilized and re-seeded as necessary.

Temporary construction entrances (including individual lot entrances) shall be inspected daily. Reshape pad as needed for drainage and runoff control. Top dress with clean aggregate as needed. Immediately remove mud and sediment tracked or washed onto public roads. Flushing should only be used if the water can be conveyed into a sediment trap or basin.

If any facility is damaged during maintenance or otherwise, the damaged portion shall be removed and replaced according to the associated detail. If silt has obstructed the sediment control facility to the point of eliminating all filtering effectiveness, the structure shall be removed and replaced with a new structure in accordance with the associated detail.

Maintenance procedures described in the block and gravel curb inlet protection detail shall be followed for all block and gravel curb inlet protection.
Maintenance procedures for marsh mat type inlet protection shall include checking all inlets after each storm event, removing accumulated sediment from settling areas when the capacity is decreased by half, removing sediment from the settling area or unclogging weep holes in the fabric if the inlet does not drain within 48 hrs, immediately replacing tears in fabric (this may require replacing the entire mat depending on the amount of damage), periodically removing additional debris from the shallow pools that develop.

Straw wattles shall be inspected within 24 hours of a rain event and at least once every seven calendar days. Remove sediment deposits promptly (to ensure adequate storage volume for the next rain), taking care not to undermine the entrenched wattles. Inspect for deterioration or damage from construction activities; replace damaged wattles immediately. When the contributing drainage area has been stabilized, remove all of the straw wattles and sediment deposits, grade the site to blend with the surrounding area, and stabilize.

REINFORCED SILT FENCE MAINTENANCE STEPS INCLUDE: REGULARLY CHECK FOR AND REMOVE SEDIMENT BUILDUP IF IT EXCEEDS SIX INCHES. INSPECT THE FABRIC FOR ANY TEARS, CLOGS, OR LOOSENESS AND REPAIR OR REPLACE IT AS NEEDED. ENSURE THAT ALL POSTS ARE STABLE AND REPLACE ANY THAT ARE BROKEN OR UNSTABLE. INSPECT THE JOINTS WHERE FENCES ARE JOINED TO ENSURE THEY ARE SOLID, USE J-HOOKS TO BREAK UP LONG RUNS OF FENCE AND CREATE MULTIPLE STORAGE AREAS, WHICH HELPS IN MANAGING WATER FLOW.

STONE BAG AND ROCK CHECK DAM MAINTENANCE INCLUDES: INSPECT THE CHECK DAM EVERY 7 DAYS AND WITHIN 24 HOURS AFTER ANY RAINFALL EVENT THAT PRODUCES 0.5 INCHES OR MORE OF PRECIPITATION, REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ABOUT ONE-THIRD OF THE ORIGINAL HEIGHT OF THE DAM, CLEAR ANY LARGE DEBRIS, TRASH, AND LEAVES THAT MAY OBSTRUCT THE FLOW, LOOK FOR SIGNS OF EROSION AROUND THE EDGES AND UNDERNEATH THE DAM. REPAIR ANY EROSION PROMPTLY BY ADDING ADDITIONAL STONES OR USING GEOTEXTILE FABRIC, AND ONCE THE CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED, REMOVE THE CHECK DAM AND STABILIZE THE DISTURBED AREA WITH SEED, SOIL STABILIZATION MATTING, OR SOD.

HEADWALL INLET PROTECTION MAINTENANCE INCLUDES: CONDUCT REGULAR INSPECTIONS, ESPECIALLY DURING LOW WATER LEVELS, TO CHECK THE STRUCTURAL INTEGRITY OF THE HEADWALL AND THE SEAL BETWEEN THE PIPE AND HEADWALL, CLEAR ANY DEBRIS, SEDIMENT, OR PLANT GROWTH AROUND THE HEADWALL TO PREVENT BLOCKAGES AND ENSURE SMOOTH WATER FLOW, MONITOR AND REPAIR ANY EROSION AROUND THE HEADWALL TO MAINTAIN STABILITY AND PREVENT UNDERMINING OF THE STRUCTURE, AFTER SIGNIFICANT STORM EVENTS, CHECK ALL CONTROLS AND REMOVE ACCUMULATED SEDIMENT TO MAINTAIN THE CAPACITY AND FUNCTIONALITY OF THE INLET PROTECTION

CONCRETE WASHOUT MAINTENANCE INCLUDES: USING LEAK PROOF CONTAINERS TO COLLECT AND RETAIN ALL SOLIDS AND LIQUIDS, INSPECT AND CLEAN DAILY, AND USE NON-COLLAPSING COVER TO PREVENT OVERFLOW.

B12 Planned construction sequence that describes the implementation of stormwater quality measures in relation to land disturbance.
Refer to Sheet ER1 for construction sequencing table.

B13 Erosion & sediment control specifications for individual building lots.
Refer to Sheet ER1.

B14 Material handling and spill prevention and spill response plan meeting the requirements in 327 IAC 2-6.1.

In the event of a spill call the following emergency response number – EPA 1-800-424-8802; IDEM 317-233-6381.

Oil and chemicals shall not be stored on site, however in the case of stored oil or chemicals on side, the contractor shall provide spill containment dikes or secondary containment around stored oil and chemical drums.

When vehicle and equipment is necessary on the site, the contractor shall have designated areas, located away from water courses, to prevent contaminants from accessing waterways.

The contractor shall have secondary containment, such as a drain pan or drop cloth, to catch spill and leaks when removing or changing fluids. The contractor shall regularly inspect on-site vehicles and equipment for leaks and repair immediately.

If fueling must occur on-site, the contractor shall have a designated location on the site. This location shall be located away from drainage courses, to prevent runoff of spills. The contractor shall have a stockpile of spill cleanup material where it will be readily accessible. The contractor shall carry out all Federal and State requirements regarding stationary above ground storage tanks with special attention given to secondary containment.

The contractor shall be responsible for the clean-up and management of solid wastes that include but are not limited to: packaging materials including wood, paper and plastic, scrap or surplus materials. Waste containers shall be placed in designated areas away from storm drains, or waterways. The contractor shall make sure toxic liquid wastes are not disposed of in dumpsters designated for construction debris.

Spill prevention and control applies to chemicals and hazardous substances including: soil stabilizers, herbicides, fertilizers, fluids, lubricants and other petroleum distillates. If spills occur, the area shall be cleaned up immediately using the appropriate measures that provide a safe means for cleaning and removal of contaminates.

These following measures should be utilized for best management practices concerning spill prevention and cleanup:

1) Hazardous materials and wastes should be stored in covered containers and protected for vandalism.
2) Place a stockpile of spill cleanup materials where it will be readily accessible.
3) Train employees in spill prevention and cleanup procedures for the site.

General Rules concerning the cleanup of contaminants:

1) Clean up leaks and spills immediately.
2) On paved surfaces, clean up spill with as little water as possible. Use a rag for small spills, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be sent to either a certified laundry or disposed of as a hazardous waste.
3) Never hose down or bury dry material spills. Clean up as much of the materials possible and dispose of properly.

Significant or hazardous spills that cannot be controlled by personnel in the immediate vicinity, shall implement the following steps:

1) Notify the Engineer immediately.
2) Strive for containment of the spill.
3) Plug or otherwise seal off leaking vessels or pipes, if possible.
4) Notify the local emergency response by dialing 911. In addition to 911, the contractor will notify the proper county officials. It is the contractor's responsibility to have all emergency phone numbers at the construction site.
5) If spilled material enters a waterway, DO NOT use chemicals to disperse, emulsify or sink the oil or hazardous substance, unless otherwise advised by state or federal officials. Contain the spilled material on the surface using booms or other barriers.

NEVER RISK PERSONAL SAFETY TO STOP A LEAK OR SPILL.

B15 Material handling and storage procedures associated with construction activities.
Appropriate measures must be implemented to manage wastes or unused building materials including, but not limited to garbage, debris, cleaning wastes, wastewater, concrete or cementitious washout water, mortar/masonry products, soil stabilizers, lime stabilization materials, and other substances. Wastes and unused building materials must be managed and disposed of in accordance with all applicable statutes and regulations. Proper storage and handling of materials, such as fuels or hazardous wastes, and spill prevention and clean-up measures must be implemented to minimize the potential for pollutants to contaminate surface or ground water or degrade soil quality.

Concrete or cementitious washout areas, where permissible, must be identified for the site and locations clearly posted. Wash water must be directed into leak-proof containers or leak-proof containment areas which are located and designed to divert stormwater run-off away from the measure and sized to prevent the discharge and/or overflow of the wash water.

Storm Water Pollution Prevention Plan – Post Construction Component (Section C)

C1 Description of pollutants and their sources associated with the proposed land use
The long-term pollutants expected from the proposed site are those that relate to vehicle traffic, lawn maintenance and landscape vehicle use. The vehicular pollution sources are: leaking fuel, oil or fluids (brake & antifreeze), brake dust, metals, rubber fragments and road grit, salts and sands. Lawn maintenance pollution sources include exposed soil, leaves, mulch, trash, debris, fertilizers & pesticides. The typical pollution sources in a landscaping environment are: trash, mulch, cleaning agents, chemicals, and the aforementioned vehicular pollution sources.

C2 Description of proposed post construction storm water quality measures (include a written description of how these measures will reduce discharge of expected pollutants)
All grass area will be maintained with regular mowing and pruning during growing seasons. Stormwater inlet and outlet structures shall be inspected regularly and kept free of debris.

C3 Plan details for each stormwater measures.
Permanent stormwater quality measures include seeding and stabilizing all disturbed areas. The owner will perform regular maintenance with regular mowing and pruning during growing seasons of the lawn. Pavement will be kept clean of debris and rubbish.

C4 Sequence describing storm water quality measure implementation
All existing erosion control measures and monitoring of such, as shown on the plan, will not be removed until final stabilization has occurred. Final stabilization of the site will be accomplished using permanent seeding and paving of all open areas.

C5 Description of maintenance guidelines for post construction storm water quality measures
Maintenance of all stormwater pollution prevention measures will be the responsibility of the project owner utilizing procedures outlined on these plans.The maintenance guidelines consist mostly of good housekeeping measures. Any grassed or vegetated areas that experience erosion from rainfall events should be repaired and re-vegetated as soon as possible. Trash and litter should be picked up and properly disposed of to prevent it from getting into the storm drainage system and waterways.

Erosion of steep banks, any berms, or any swales shall be addressed as soon as it becomes visible. Remediation shall include filling the eroded area with suitable soil and re-establishing vegetation immediately, preferable by utilizing sod.

Any pavement adjacent to the site should be monitored for sediment coming from vegetated/mulched areas. If post-construction erosion is occurring, the source should be re-stabilized as soon as possible by seeding, sod, or mulching.

C6 Entity that will be responsible for operation and maintenance of the post-construction stormwater measures.
Upon final completion of the project, maintenance of all stormwater pollution prevention measures will be the responsibility of the property owner.

SOILS MAP
NOT TO SCALE

SOILS MAP LEGEND

UrlC – URBAN LAND-CRIDER-VERTREES COMPLEX, KARST, ROLLING
VcaC3 – VERTREES-CRIDER-CANEYVILLE COMPLEX, KARST, ROLLING, SEVERELY ERODED
VcbD2 – VERTREES-CRIDER-CANEYVILLE SILT LOAMS, KARST, HILLY, ERODED
VccD3 – VERTREES-HAGGATT-CANEYVILLE COMPLEX, KARST, HILLY, SEVERELY ERODED

ENGINEER:
HERITAGE ENGINEERING, LLC
642 South 4th Street Suite 104
Louisville, KY 40202
(502) 562-1412
(502) 562-1413 Fax
603 North Shore Drive Unit 204
Jeffersonville, IN 47130
(812) 280-8201
(812) 280-8281 Fax

OWNER/DEVELOPER:
HARRISON REMC
1165 OLD FOREST RD
CORYDON, IN 47112

PROJECT:
CONSTRUCTION PLANS FOR HARRISON REMC MAIN CAMPUS
1165 OLD FOREST ROAD
CORYDON, IN 47112
EROSION CONTROL NOTES

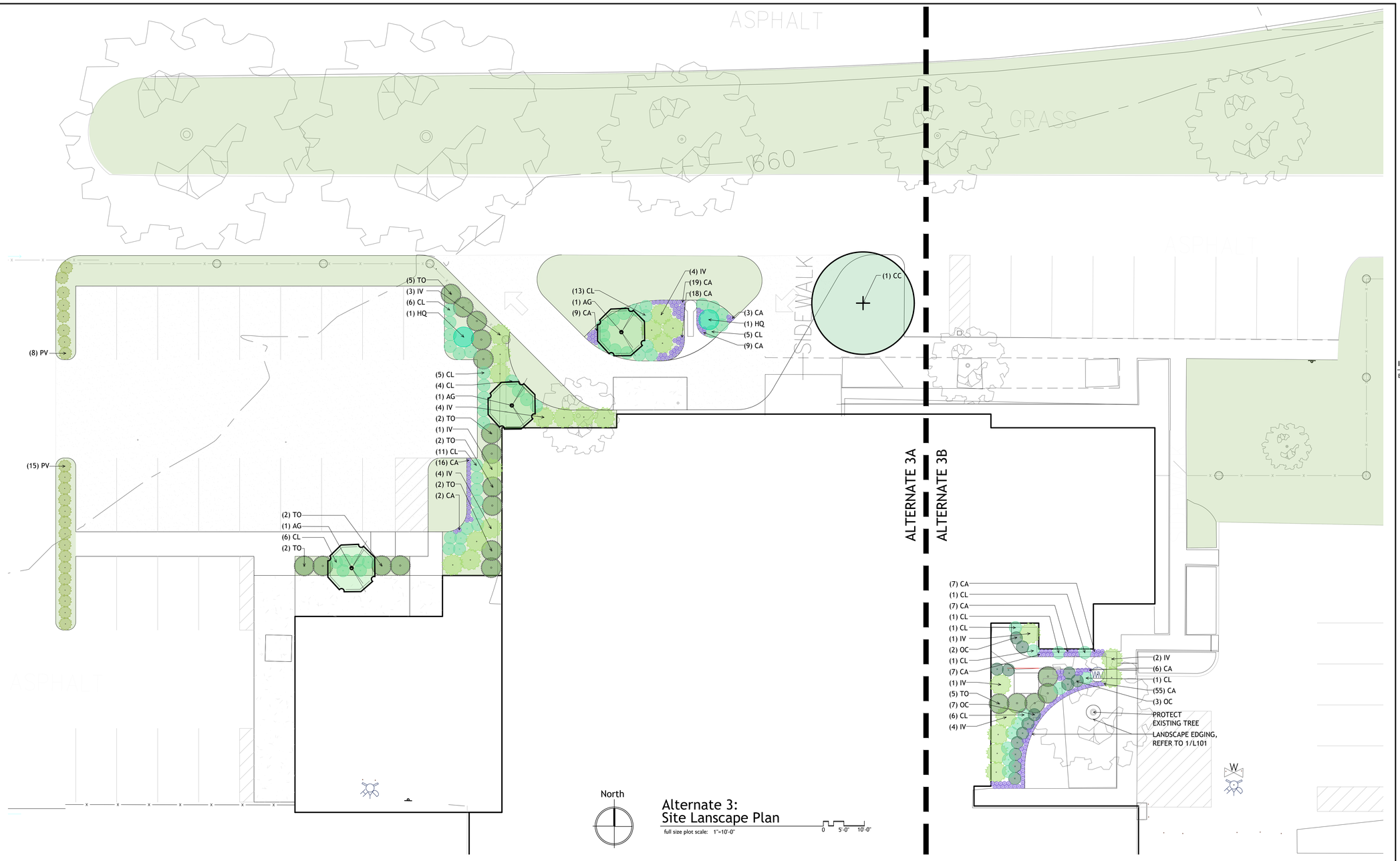
CASEY J. DEYOUNG REGISTERED NO. 11500081 STATE OF INDIANA PROFESSIONAL ENGINEER

JOB NO:	24071
HORIZ. SCALE:	N/A
VERTICAL SCALE:	N/A
DESIGNED BY:	DJ
DETAILED BY:	SDK
CHECKED BY:	CJD
DATE:	4/24/25

SHEET
ER2
of 10

CONSTRUCTION SET

X:\A-Projects-2024\24071 - Harrison REMC Campus\Construction - Main Campus\24071-ER.dwg PLOT DATE: April 24, 2025 - 9:55am



North

Alternate 3: Site Lanscape Plan

full size plot scale: 1"=10'-0" (0, 5'-0", 10'-0")

Alternate 3A: Plant Schedule

Key	Botanical Name	Common Name	Qty.	Size	Spacing	Comments
Trees						
AG	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	3	Mulit-trunk	AS SHOWN	
CC	Cercis canadensis	Eastern Redbud	1	Single Trunk	AS SHOWN	
Shrubs						
IV	Itea virginica	Virginia Sweetspire	16	2 GAL	AS SHOWN	
HQ	Hydrangea quercifolia	Oakleaf Hydrangea	2	24"-36"HGT.	AS SHOWN	
TO	Thuja occidentalis 'Rheingold'	Rheingold Arborvitae	15	3 GAL	AS SHOWN	
Ground Cover						
CA	Carex albicans	White-tinged Sedge	76	3" POT	AS SHOWN	
CL	Asparagaceae	Hosta 'City Lights'	50	QUART	AS SHOWN	
PV	Panicum virgatum	Switchgrass 'Shenandoah'	23	2 GAL	AS SHOWN	

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.

General Planting Notes

1. ALL NEW PLANT BEDS TO RECEIVE HARDWOOD MULCH TO MATCH EXISTING.
2. SOD/SEED AREAS TO BE CONTAINED BY CURBING AND PAVEMENT, EXCEPT WHERE MULCH IS SPECIFIED.
3. MULCH ALL PLANTS AND PLANT BEDS, AS PER THE DETAILS, UNLESS OTHERWISE NOTED.
4. HARDWOOD MULCH TO BE LAYERED A MINIMUM OF THREE (3) INCHES AROUND ALL TREES, SHRUBS, AND PLANTING BEDS. SEE DETAIL 2/L101 & 3/L101 FOR TREE AND SHRUB PLANTING DETAILS.
5. SEE CIVIL DRAWINGS FOR GRADING PLAN.
6. REMOVE ALL BROKEN, DISEASED, OR WEAK BRANCHES.
7. MAKE ALL CUTS LEVEL, HAVING AS LITTLE STUB AS POSSIBLE.
8. SAUCERS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING PLANTING.
9. ALL ROOT BALLS REMOVED FROM CANS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
10. SCARIFY ALL EDGES AND WALLS OF PLANT PITS EIGHT (8) INCHES.
11. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF PLANT MATERIAL AS PER THE PLANS.
12. ALL TREES MUST BE STRAIGHT-TRUNKED AND FULL HEADED.
13. NEVER CUT A LEADER WHEN PRUNING.
14. MAINTENANCE FOR ALL PLANT MATERIAL SHALL INCLUDE WATERING, SPRAYING, MULCHING, FERTILIZING, PRUNING, ETC., AND IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR UNTIL FINAL APPROVAL BY THE LANDSCAPE ARCHITECT AND OWNER.
15. ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER BEFORE, DURING, AND AFTER INSTALLATION.
16. ALL PLANT MATERIAL SHALL CONFORM TO THE SIZE AND QUALITY AS SPECIFIED IN "AMERICAN STANDARDS FOR NURSERY STOCK" - CURRENT EDITION.
17. ALL PLANT MATERIAL SHALL BE INSTALLED AT THE SAME DEPTH AS GROWN AT THE NURSERY.
18. ALL UNHEALTHY OR DEAD PLANT MATERIAL SHALL BE REPLACED WITHIN ONE YEAR, OR BY THE NEXT PLANTING PERIOD, WHICHEVER OCCURS FIRST, WHILE OTHER DEFECTIVE PLANT MATERIAL SHALL BE REPLACED OR REPAIRED WITHIN THREE (3) MONTHS.

Landscape Notes

1. It shall be the responsibility of the landscape Contractor to determine and/or verify the location of existing pipe lines and utilities of every type below, on or above ground which may interfere with his operations. He/She shall enter into the Contract in full understanding of the conditions that may be encountered. Upon award of the Contract, the Landscape Contractor shall inform the Project Engineer of any such utilities and structures that his plan of operations may affect in sufficient time to arrange for the work of removing, relocating , or reconstructing as may be necessary.
2. All existing pipes, poles, wires, cable, fences, property line markers, and other structures must be preserved in place, without being temporarily or permanently relocated, and shall be carefully supported and protected from damage by the Landscape Contractor. Should such items be damaged they shall be restored by their respective Owner at the expense of the Landscape Contractor to the condition in which it was found immediately before the work had begun. Bench marks and other reference points shall be carefully maintained and if disturbed or destroyed shall be replaced by the Contractor to the satisfaction of the Project Engineer and at no additional cost to the Owner.
3. On paved surfaces the Landscape Contractor shall not use or operate tractors, bulldozers or other power-operated equipment which would damage such surfaces. All surfaces which have been damaged by the Landscape Contractor's operation shall be restored to the condition in which it was found immediately before the work had begun.

Alternate 3B: Plant Schedule

Key	Botanical Name	Common Name	Qty.	Size	Spacing	Comments
Trees						
Shrubs						
IV	Itea virginica	Virginia Sweetspire	8	2 GAL	AS SHOWN	
TO	Thuja occidentalis 'Rheingold'	Rheingold Arborvitae	5	3 GAL	AS SHOWN	
Ground Cover						
CA	Carex albicans	White-tinged Sedge	82	3" POT	AS SHOWN	
CL	Asparagaceae	Hosta 'City Lights'	11	QUART	AS SHOWN	
OC	Osmundastrum cinnamomeum	Cinnamon Fern	12	2 GAL	AS SHOWN	

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ISSUED FOR	DATE
Bidding Only	04/25/2025

PROJECT TITLE
HARRISON REMC

OWNER
HARRISON REMC

CORYDON, IN

DATE
04/25/2025

SHEET TITLE
Alternate 3:
Site Landscape Plan

SHEET NUMBER
L100
24-179.00

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

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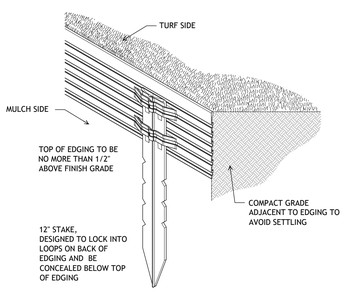
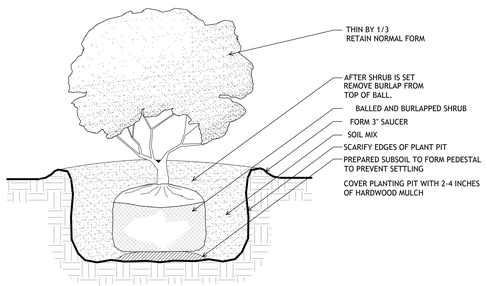
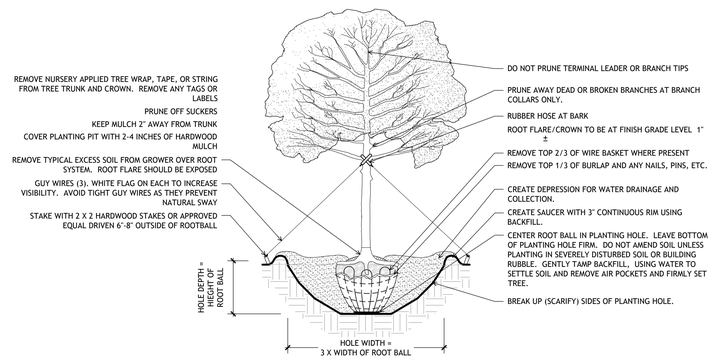


1 L-101 Aluminum Landscape Edging
NOT TO SCALE



2 L-101 Typical Shrub Planting
NOT TO SCALE



3 L-101 Typical Tree Planting
NOT TO SCALE

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ISSUED FOR	DATE
Bidding Only	04/25/2025

PROJECT TITLE
HARRISON REMC

OWNER
HARRISON REMC

CORYDON, IN

SHEET TITLE
Alternate 3:
Site Landscape Details

DATE
04/25/2025

SHEET NUMBER
L101
24-179.00

GENERAL NOTES

DESIGN LOADS

STRUCTURAL RISK CATEGORY ..... CATEGORY II

FLOOR LIVE LOAD

SLAB ON GRADE (STORAGE BUILDING)	250 PSF
LOBBIES AND FIRST FLOOR CORRIDORS	100 PSF
OFFICES	
** (PLUS NON-REDUCED 15 PSF PARTITION LOAD ALLOWANCE)	*50 PSF
(LIVE LOADS ARE REDUCED PER KBC SECTION 1607.10)	

ROOF LIVE LOAD ..... 20 PSF MIN

ROOF SNOW LOAD (PER ASCE 7-10)

GROUND SNOW LOAD	P_g =	15 PSF
IMPORTANCE FACTOR	I_s =	1.0
SNOW EXPOSURE FACTOR	C_e =	0.9
THERMAL FACTOR		
(OFFICE BUILDING)	C_t =	1.0
(CANOPIES/STORAGE BUILDING)	C_t =	1.2
FLAT-ROOF SNOW LOAD* (P_f = 0.7$C_eC_tI_sP_g$)		
(OFFICE BUILDING)	P_f =	9.5 PSF
(CANOPIES/STORAGE BUILDING)	P_f =	11.4 PSF
MINIMUM-ROOF SNOW LOAD (I_sP_g)	P_m =	15 PSF
SLOPED-ROOF SNOW LOAD* (P_s = C_s P_f)		
(OFFICE BUILDING)	P_s =	9.5 PSF
(CANOPIES/STORAGE BUILDING)	P_s =	11.4 PSF
*(INCREASE FOR DRIFTING PER ASCE 7-10, SECTIONS 7.7 & 7.8)		
MAXIMUM SNOW DRIFT HEIGHT	hd =	1.1 FT
MAXIMUM SNOW DRIFT MAGNITUDE (P_d = hd*γ)	P_d =	17.1 PSF
MAXIMUM SNOW DRIFT WIDTH	w =	4.3 FT

WIND LOAD (PER ASCE 7-10)

ULTIMATE DESIGN WIND SPEED	V_{ULT}=	115 MPH
NOMINAL DESIGN WIND SPEED	V_{ASD}=	89 MPH
WIND EXPOSURE		EXPOSURE C
ENCLOSURE		ENCLOSED
INTERNAL PRESSURE COEFFICIENT	GC_{pi} =	± 0.18
END ZONE WIDTH (OFFICE BUILDING)	a =	6 FT
END ZONE WIDTH (STORAGE BUILDING)	a =	8 FT

OFFICE BUILDING:

COMPONENTS & CLADDING EXTERNAL PRESSURE ULTIMATE (LRFD) LOADS (PSF)

EFFECTIVE WIND AREA (SQ FT)	LOCATION PER ASCE 7-10: (1)	(2)	(3)	(4)	(5)
≤10	16.7 -26.5	16.7 -46.1	16.7 -68.1	28.9 -31.4	28.9 -38.7
20	15.2 -25.7	15.2 -42.4	15.2 -63.7	27.6 -30.1	27.6 -36.1
50	13.2 -24.8	13.2 -37.5	13.2 -57.9	25.9 -28.3	25.9 -32.7
100	11.8 -24.0	11.8 -33.8	11.8 -53.4	24.6 -27.0	24.6 -30.1
500	↓	↓	↓	21.6 -24.0	21.6 -24.0

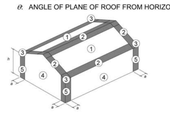
STORAGE BUILDING:

COMPONENTS & CLADDING EXTERNAL PRESSURE ULTIMATE (LRFD) LOADS (PSF)

EFFECTIVE WIND AREA (SQ FT)	LOCATION PER ASCE 7-10: (1)	(2)	(3)	(4)	(5)
≤10	17.6 -28.0	17.6 -48.7	17.6 -72.0	28.0 -30.3	28.0 -37.3
20	16.1 -27.2	16.1 -44.8	16.1 -67.3	26.7 -29.1	26.7 -34.8
50	14.0 -26.2	14.0 -39.6	14.0 -61.1	25.1 -27.4	25.1 -31.5
100	12.4 -25.4	12.4 -35.7	12.4 -56.5	23.9 -26.2	23.9 -29.1
500	↓	↓	↓	21.0 -23.3	21.0 -23.3

NOTES:

1. WIND LOADING PROVIDED ARE ULTIMATE (LRFD) LOADING. FOR ALLOWABLE STRESS DESIGN MULTIPLY LOADS PROVIDED BY 0.6.
2. LOADING PROVIDED IS FOR WORST CASE ROOF HEIGHT. DELEGATED DESIGNERS MAY RECALCULATE LOADS FOR SPECIFIC COMPONENT HEIGHTS USING PARAMETERS SPECIFIED.
3. PRESSURES SHOWN ARE APPLIED NORMAL TO THE SURFACE.
4. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
5. FOR HIP ROOFS WITH $\theta \leq 25°$, ZONE 3 SHALL BE TREATED AS ZONE 2.
6. EACH COMPONENT MUST BE DESIGNED FOR MAXIMUM POSITIVE AND NEGATIVE FORCES.
7. FOR COMPONENTS HAVING EFFECTIVE AREAS IN BETWEEN TABULATED VALUES, DESIGN LOADS MAY BE INTERPOLATED. OTHERWISE DESIGN LOAD MUST BE TAKEN FROM THE NEXT LOWEST EFFECTIVE AREA.
8. INTERNAL PRESSURE FOR ENCLOSED BUILDING IS INCLUDED IN ABOVE VALUES.
9. THE NET C&C PRESSURE (INCLUDING INTERNAL PRESSURE) FOR ANY COMPONENT SHALL NOT BE TAKEN LESS THAN 16 PSF ACTING IN EITHER DIRECTION NORMAL TO THE SURFACE.
10. NOTATION:
    - *a*: 10 PERCENT OF LEAST HORIZONTAL DIMENSION OR 0.4*h*, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3 FT.
    - *h*: MEAN ROOF HEIGHT, IN FEET, EXCEPT THAT EAVE HEIGHT SHALL BE USED FOR ROOF ANGLES $\theta < 10°$
    - θ: ANGLE OF PLANE OF ROOF FROM HORIZONTAL, IN DEGREES.



EARTHQUAKE DESIGN DATA

COUNTY / STATE		HARRISON/INDIANA
IMPORTANCE FACTOR	I_E =	1.0
MAPPED SHORT PERIOD RESPONSE ACCELERATION	S_S =	0.242
MAPPED 1 SECOND PERIOD RESPONSE ACCELERATION	S_1 =	0.117
SITE CLASS		CLASS C
DESIGN SHORT PERIOD SPECTRAL RESPONSE COEFFICIENT	S_{DS} =	0.194
DESIGN 1 SECOND PERIOD SPECTRAL RESPONSE COEFFICIENT	S_{D1} =	0.132
SEISMIC DESIGN CATEGORY		CATEGORY B

STORAGE BUILDING:

BASIC STRUCTURAL SYSTEM	SEE PEMB MANUFACTURER
SEISMIC RESISTING SYSTEM	SEE PEMB MANUFACTURER
RESPONSE MODIFICATION FACTOR	SEE PEMB MANUFACTURER
SEISMIC RESPONSE COEFFICIENT	SEE PEMB MANUFACTURER
METHOD OF ANALYSIS	SEE PEMB MANUFACTURER
SEISMIC BASE SHEAR	SEE PEMB MANUFACTURER

OFFICE BUILDING:

BASIC STRUCTURAL SYSTEM	BEARING WALL SYSTEM
SEISMIC RESISTING SYSTEM	LIGHT-FRAMED (COLD-FORMED STEEL) WALLS SHEATHED WITH STEEL SHEETS
RESPONSE MODIFICATION FACTOR	R = 6.5
SEISMIC RESPONSE COEFFICIENT	C_S = 0.03
METHOD OF ANALYSIS	EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC BASE SHEAR	= 2.5 KIPS

DESIGN STRESSES

CONCRETE (STRENGTH DESIGN) MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS:

FOOTINGS	f'_c =	3,000 PSI
INTERIOR SLABS ON GRADE, GRADE BEAMS, AND WALLS	f'_c =	4,000 PSI
CONCRETE EXPOSED TO FREEZE/THAW	f'_c =	4,500 PSI
REINFORCING BARS (ASTM A615 GRADE 60)	f_y =	60,000 PSI
WELDED WIRE FABRIC (ASTM A1064)	f_y =	65,000 PSI
WIDE FLANGE AND TEE SHAPES DESIGNATED AS W AND WT (ASTM A992)	f_y =	50,000 PSI
WIDE FLANGE AND TEE SHAPES DESIGNATED AS M, S, MT AND ST (ASTM 36)	f_y =	36,000 PSI
CHANNELS, ANGLES, PLATES AND BARS (ASTM A572)	f_y =	50,000 PSI
STEEL ROOF DECK (ASTM A653)	f_y =	33,000 PSI
HOLLOW STRUCTURAL SECTIONS - RECTANGULAR STEEL TUBES (ASTM A500 GRADE C)	f_y =	50,000 PSI
STRUCTURAL STEEL PIPE (ASTM A53 GRADE B)	f_y =	35,000 PSI
SOIL BEARING PRESSURE FOR FOUNDATIONS (NATIVE SOIL OR FILL)		2,500 PSF

DESIGN CRITERIA

1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2014 INDIANA BUILDING CODE WITH AMENDMENTS (2012 IBC).
2. MAXIMUM ESTIMATED DEFLECTIONS (IN INCHES) ARE AS FOLLOWS:

	LIVE LOAD	DEAD + LIVE LOAD
ROOF MEMBERS	L/360	L/240
FLOOR MEMBERS SPANDREL	L/480	L/360
WHERE L = SPAN LENGTH BETWEEN CENTERLINE OF SUPPORTS (INCHES) FOR CANTILEVERS, L = TWICE THE LENGTH OF THE CANTILEVER.		

3. NO PROVISION HAS BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

GENERAL

1. THE REQUIREMENTS OF THESE GENERAL NOTES APPLY UNLESS NOTED OTHERWISE ON PLANS OR IN SPECIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL CONTRACT DOCUMENTS, ADDENDA, AND SUPPLEMENTARY INFORMATION AND DISTRIBUTING SUCH TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS. THIS SHALL INCLUDE TRANSMITTAL AND SUBMITTAL OF SHOP DRAWINGS, FABRICATION, AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES THAT MAY EXIST.
4. ANY DISCREPANCIES BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
5. DO NOT SCALE DRAWINGS.
6. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION AND IS THEREFORE DEPENDENT UPON DIAPHRAGM ACTION OF THE ROOF DECK AND FLOOR SLAB AND ATTACHMENT TO THE SHEAR WALLS AND FRAMES FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY BRACING REQUIRED TO PROPERLY CONSTRUCT THE BUILDING UNTIL THESE ELEMENTS ARE COMPLETE AND CAPABLE OF PROVIDING THIS SUPPORT.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS TO CONSTRUCT THE STRUCTURE, INCLUDING VERIFICATION OF LOAD CAPACITY OF THE STRUCTURE, NEW OR EXISTING, TO SUPPORT CONSTRUCTION ACTIVITIES, EQUIPMENT, ETC. AND FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED. DAMAGE TO THE STRUCTURE CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE CORRECTED BY THE RESPONSIBLE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
8. SHOP DRAWINGS MUST BE CHECKED AND STAMPED BY THE CONTRACTOR PRIOR TO SUBMISSION.
9. NON-STRUCTURAL ELEMENTS OF THE BUILDING (ARCHITECTURAL FINISHES, MASONRY VENEER AND ASSOCIATED TIES, INSULATION, SHEATHING, DUCTWORK, PIPING, FOUNDATION/FLOOR/ROOF DRAINS, ETC.) ARE TYPICALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. WHERE NON-STRUCTURAL ELEMENTS ARE SHOWN ON THE STRUCTURAL DRAWINGS, THEY ARE SHOWN FOR REFERENCE AND DESIGN INTENT ONLY. NON-STRUCTURAL ELEMENTS SHALL BE CONSTRUCTED AS SHOWN ON THE ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS.
10. ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS ARE IDEALIZED ELEVATIONS BASED ON DECK THICKNESS AND SLOPES SHOWN ON DRAWINGS AND DO NOT ACCOUNT FOR BEAM OR JOIST CAMBER. IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO COORDINATE ANY CAMBER OF THEIR WORK WITH OTHER TRADES AND ADJUST ELEVATIONS AS NECESSARY TO ACCOUNT FOR DEAD LOAD DEFLECTION AND THIS CAMBER.
11. WALL OPENINGS AND TERMINATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE DIAGRAMMATIC ONLY. WALL TERMINATIONS AND OPENING JAMBS, HEADS, AND SILLS SHALL BE CONSTRUCTED AS SHOWN ON THE ARCHITECTURAL DRAWINGS. WHERE VENEERS WRAP JAMBS, DETAIL AND FABRICATE LINTELS TO BEAR ON SOLID STRUCTURE. DO NOT BEAR LINTELS OR BEAMS ON VENEERS (BRICKS, SIDING, ETC.). IF THE ARCHITECTURAL DRAWINGS DO NOT INCLUDE DETAILS FOR ANY OF THESE CONDITIONS, CONSULT WITH ARCHITECT FOR DIRECTION.
12. EXISTING CONSTRUCTION SHOWN IS BASED ON EXISTING CONSTRUCTION DOCUMENTS AND/OR GENERAL CONSTRUCTION PRACTICE AND IS NOT GUARANTEED TO BE TRUE OR EXACT. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS RELEVANT TO THEIR WORK PRIOR TO CONSTRUCTION.
13. DETAILS LABELED TYPICAL ON THESE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR AND SHALL APPLY REGARDLESS OF WHETHER THEY ARE KEYED ON THE PLANS. CONSTRUCTION NOT SPECIFICALLY INDICATED BY DETAIL OR SECTION SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.

FOUNDATION CONSTRUCTION

1. FOUNDATIONS ON THIS PROJECT ARE DESIGNED IN ACCORDANCE WITH RECOMMENDATIONS MADE BY PAUL PRIMAVERA & ASSOCIATES, GEOTECHNICAL ENGINEERS, IN THEIR REPORT DATED JULY 25, 2024. THE GEOTECHNICAL REPORT IS PROVIDED AS REFERENCE INFORMATION AVAILABLE TO BIDDERS, BUT IS NOT PART OF THE CONTRACT DOCUMENTS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE OR LIABLE FOR THE ACCURACY OF THE INFORMATION PRESENTED IN THE GEOTECHNICAL REPORT.
2. ELEVATIONS GIVEN ARE TO THE TOP OF FOOTINGS.
3. ALL FOOTINGS SHALL BE SUPPORTED ON UNDISTURBED SOIL CAPABLE OF SUPPORTING DESIGN LOADS WITHOUT APPRECIABLE SETTLEMENT. CONTRACTOR SHALL PROBE BEARING STRATA WITH DRIVEN RODS, REMOVE SHALLOW BEDROCK (AND OVERLYING SOIL) WITHIN ONE FOOTING WIDTH BELOW BOTTOM OF FOOTING, AND REPLACE WITH ENGINEERED SOIL BACKFILL.
4. IN GRANULAR SOILS (SANDS AND GRAVEL) THE SOIL SHALL BE MECHANICALLY TAMPED TO A HARD SURFACE IMMEDIATELY PRIOR TO PLACING FOOTING.
5. LOCATE EXISTING UNDERGROUND UTILITIES IN AREAS OF CONSTRUCTION. COORDINATE WITH UTILITY COMPANIES FOR ANY SHUT-OFF REQUIREMENTS OF STILL-ACTIVE LINES.
6. EXISTING FOUNDATIONS:
   A. EXISTING FOUNDATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. EXACT CONDITIONS MUST BE VERIFIED AT TIME OF CONSTRUCTION.
   B. WHEN NEW FOOTINGS MEET EXISTING FOOTINGS, THEY SHALL BE STEPPED AT A RATIO OF 2 HORIZONTAL TO 1 VERTICAL.
   C. UNLESS NOTED OTHERWISE, NEW FOOTINGS SHALL NOT BEAR BELOW EXISTING FOOTINGS.
7. PROVIDE MINIMUM (2) #5 CONTINUOUS IN ALL FOOTINGS DIRECTLY UNDER MASONRY WALLS.
8. BEFORE BACKFILL, ALL WALLS MUST BE ADEQUATELY BRACED. FOR BACKFILL REQUIREMENTS, SEE SPECIFICATIONS AND/OR GEOTECHNICAL ENGINEER'S REPORT.
9. RETAINING WALLS SHALL NOT BE BACKFILLED UNTIL COMPRESSIVE STRENGTH TESTS DEMONSTRATE THAT THE CONCRETE HAS DEVELOPED 100% OF THE REQUIRED 28-DAY COMPRESSIVE STRENGTH FOR THE CLASS OF CONCRETE SPECIFIED. THE CONTRACTOR MAY ELECT TO PREPARE ADDITIONAL TEST CYLINDERS IN ORDER TO DEMONSTRATE THAT THE REQUIRED COMPRESSIVE STRENGTH PRIOR TO THE MANDATORY 28-DAY COMPRESSIVE STRENGTH TESTS. IN NO CASE SHALL WALLS BE BACKFILLED PRIOR TO SEVEN (7) DAYS FROM PLACEMENT.
10. FOR PLACEMENT AND COMPACTION OF FILL UNDER SLABS ON GRADE, SEE SPECIFICATIONS. IF NOT NOTED OTHERWISE, COMPACT ALL FILL TO 98% OF OPTIMUM LABORATORY DENSITY IN ACCORDANCE WITH ASTM D698 STANDARD PROCTOR METHOD. PLACE FILL IN 6" TO 8" LAYERS AND COMPACT WITH VIBRATORY TAMPING EQUIPMENT.
11. WHERE ELECTRICAL CONDUIT CONGREGATES BELOW ELECTRICAL ROOMS AND PANELS, CONTRACTOR SHALL HOLD DOWN SUBGRADE ATHROPRIATELY FOR CONDUIT TO BE BELOW SLAB. COVER CONDUIT WITH FLOWABLE FILL (LEAN CONCRETE) TO BOTTOM OF SLAB ELEVATION.
12. SEE ARCHITECTURAL AND SITE DRAWINGS FOR CONTOUR AND LAYOUT OF SITE WALKS AND BREEZEWAYS. SLOPE EXTERIOR CONCRETE 1/8"/ FT AWAY FROM BUILDING, UNLESS NOTED OTHERWISE.
13. HIGH PLASTICITY ("FAT") CLAYS WITH A PLASTICITY INDEX OF 30 OR MORE WHICH ARE PRESENT WITHIN 2 FEET OF FINAL SUBGRADE ELEVATION OR FOOTING BEARING ELEVATION SHALL BE UNDERCUT FOR THE ENTIRE BUILDING AREA TO A DISTANCE OF 5 FEET OUTSIDE LINE BUILDING FOOTPRINT PERIMETER, AT UNDERCUT ELEVATION AND FURTHER UNDERCUT SOFT AND YIELDING MATERIALS TO FIRM MATERIAL AT THE DIRECTION OF THE SPECIAL INSPECTOR. BACKFILL UNDERCUT WITH ON-SITE LEAN CLAY SOILS OR BORROW MATERIALS WITH A PLASTICITY INDEX LESS THAN 15.
14. FOUNDATION CONCRETE SHALL BE PLACED IMMEDIATELY FOLLOWING EXCAVATION. A LEAN CONCRETE (1,500 PSI) MAT SHALL BE PLACED OVER THE PREPARED BEARING MATERIALS IF EXCAVATION MUST REMAIN OPEN DURING INCLEMENT WEATHER OR FOR MORE THAN 72 HOURS.
15. CONTRACTOR SHALL EXERCISE CAUTION THAT DENSE GRADED AGGREGATE BLANKET BELOW FLOOR SLAB DOES NOT BECOME SATURATED DURING CONSTRUCTION. CONTRACTOR SHALL CAST FLOOR SLAB OR PROVIDE TEMPORARY PROTECTION FOR SUBGRADE UNTIL SLAB IS CAST TO PREVENT WATER INFILTRATION INTO SUBGRADE.
16. SURFACE RUNOFF SHALL BE DIRECTED AWAY FROM FOUNDATION EXCAVATIONS AND NOT BE PERMITTED TO POND WITHIN THE BUILDING FOOTPRINT. PROVIDE DRAINAGE TRENCHES FROM FOUNDATION EXCAVATIONS TO DIRECT RAINWATER OUT OF EXCAVATIONS.

CONCRETE CONSTRUCTION

1. ALL CONCRETE CONSTRUCTION TO BE IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 301, ACI 318 AND ACI DETAILING MANUAL, EXCEPT THAT CONSTRUCTION AND REMOVAL OF FORMS SHALL BE INSPECTED BY THE CONTRACTOR'S ENGINEER.
2. FURNISH BAR SUPPORTS WHERE NECESSARY DURING CONSTRUCTION.
3. PROVIDE PLASTIC, PLASTIC-COATED (NOT PLASTIC-TIPPED) OR STAINLESS STEEL CHAIRS IN ALL CONCRETE EXPOSED TO VIEW IN COMPLETED STRUCTURE.
4. PROVIDE PIPE SLEEVES AND INSERTS IN CONCRETE WORK WHERE REQUIRED. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
5. CONSTRUCTION JOINTS SHALL BE POSITIONED SO AS NOT TO CHANGE THE STRUCTURAL DESIGN REQUIREMENTS. RATIO OF LENGTH TO WIDTH OF POUR SHALL NOT EXCEED 2. LOCATION OF ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE ENGINEER.
6. WELDING OF REINFORCING BARS (INCLUDING TACK WELDING) IS NOT PERMITTED.
7. PROVIDE HORIZONTAL KEYWAY CONSTRUCTION JOINTS IN WALLS AND WALL FOOTINGS; MINIMUM 1 1/2" DEPTH WITH HEIGHT EQUAL TO ONE-THIRD OF MEMBER DEPTH, UNLESS OTHERWISE SHOWN OR NOTED.
8. ALL EXPOSED CORNERS OF CONCRETE SHALL BE CHAMFERED 45 DEGREES. MINIMUM CHAMFER TO BE 1/2". CURVE THE LEADING EDGE OF STAIR TREADS TO 1/2" RADIUS.
9. REINFORCING FOR SLABS ON GROUND (IN FLAT SHEETS) SHALL BE IN THE MIDDLE OF THE SLAB, UNLESS NOTED OTHERWISE, AND SHALL BE CONTINUOUS OR SUPPORTED AND MAINTAINED IN THIS POSITION DURING PLACEMENT OF CONCRETE.
10. BEND ALL HORIZONTAL WALL AND FOOTING BARS 1'-0" AROUND CORNERS OR PROVIDE CORNER BARS WITH 2'-0" LAP.
11. PROVIDE FOUNDATION DOWELS FOR ALL WALLS AND PIERS SAME SIZE AND SPACING AS VERTICAL STEEL.
12. PROVIDE FOUNDATION DOWELS FOR MASONRY WALLS SAME SIZE AND SPACING AS VERTICAL STEEL. ALL DOWELS SHALL BE WITHIN 8" LATERALLY OF WALL REINFORCING ABOVE AND IN LINE WITH THE WALL REINFORCING. PROVIDE DOWELS FOR ALL ADDITIONAL WALL REINFORCING AT CORNERS, ENDS, JAMBS, INTERSECTIONS AND BOTH SIDES OF CONTROL JOINTS. ONLY DOWELS AT THESE ADDITIONAL LOCATIONS MAY BE POST INSTALLED / DRILLED AND ADHESIVE FASTENED WITH EMBEDMENT AS REQUIRED TO DEVELOP FULL YIELD STRENGTH OF REINFORCING.
13. WHERE POCKETS OR VOIDS ARE FORMED INTO CONCRETE WALL FOR STEEL COLUMNS, FILL POCKET WITH CONCRETE AFTER THE STEEL MEMBER HAS BEEN INSTALLED.
14. SPLICES: ALL REINFORCING SPLICES SHALL BE AS TENSION LAP, U.N.O.
   A. LAP ALL COMPRESSION SPLICES 30 BAR DIAMETERS OF THE LARGER BAR.
   B. LAP ALL TENSION SPLICES (ALL SPLICES EXCEPT COMPRESSION SPLICES, U.N.O.) IN ACCORDANCE WITH THE FOLLOWING TABLE. MODIFY LENGTHS AS NOTED:

BAR SIZE	CONCRETE COMPRESSIVE STRENGTH 3,000 PSI	4,000 PSI	5,000 PSI
#3	21"	19"	17"
#4	29"	25"	22"
#5	36"	31"	28"
#6	43"	37"	33"
#7	62"	54"	48"

1. INCREASE SPLICE LENGTH BY THE FOLLOWING:
2. NOTE: INCREASED LENGTHS ARE ACCUMULATIVE
1. HORIZONTAL TOP BARS WITH GREATER THAN 12" OF CONCRETE BELOW +30 %
2. BAR SPACING LESS THAN 2 BAR DIAMETERS +50 %

15. CONCRETE PROTECTION FOR REINFORCEMENT: COVER
   A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ..... 3"
   B. CONCRETE EXPOSED TO EARTH OR WEATHER
      NO. 6 THROUGH NO. 18 BARS ..... 2"
      NO. 5 BAR, W31 OR D31 WIRE AND SMALLER ..... 1 ½"
   C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
      SLABS AND WALLS,
      NO. 11 BAR AND SMALLER ..... ¾"
      COLUMNS
      PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS ..... 1 ½"

LOOSE LINTEL SCHEDULE

1. THIS SCHEDULE IS FOR LINTELS OVER MASONRY OPENINGS NOT OTHERWISE SHOWN OR NOTED ON DRAWINGS, INCLUDING NON-BEARING PARTITION WALLS AND VENEERS.
   A. ANGLES AND SUPPORT PLATES EXPOSED TO WEATHER OR CAVITY INTERIOR SHALL BE HOT-DIP GALVANIZED.
   B. MINIMUM BEARING LENGTH FOR ANGLES FOR MASONRY VENEERS SHALL BE 6" EACH END. MINIMUM BEARING LENGTH FOR TUBES AND WIDE FLANGE IN CMU BEARING WALLS SHALL BE 8" EACH END.
   C. SEE TYPICAL DETAILS FOR BOND BEAM CONSTRUCTION.
   D. PROVIDE STEEL LINTELS ABOVE ALL PENETRATIONS 16" AND WIDER THROUGH MASONRY WALLS OR MASONRY VENEERS; INCLUDING DUCT PENETRATIONS, LOUVERS, GROUPED CONDUITS, WINDOWS, ET CETERA.

2. FOR MASONRY VENEER PROVIDE:

SPAN LIMITS	ANGLE SIZE
0" TO 4'-0"	L3 1/2x3 1/2x5/16
4'-1" TO 5'-0"	L4x3 1/2x5/16 L.D.V.
5'-7" TO 7'-6"	L5x3 1/2x5/16 L.D.V.
7'-7" TO 9'-6"	L6x3 1/2x3/8 L.D.V.

3. FOR 8" MASONRY WALLS PROVIDE:

SPAN LIMITS	LINTEL SIZE
0" TO 6'-0"	8" BOND BEAM TYPE ML8 SEE DET F/S4.2 OR (2) L4x3 1/2x5/16 L.D.V.
6'-1" TO 9'-6"	16" BOND BEAM TYPE ML16 SEE DET F/S4.2

MASONRY WALL CONSTRUCTION

1. MASONRY WALLS SHOWN ON STRUCTURAL DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530/ASCE 5/TMS 402).
2. MASONRY WALLS SHOWN ON STRUCTURAL DRAWINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6/TMS 602) AND THE PROJECT SPECIFICATIONS. IF THERE ARE ANY CONFLICTS BETWEEN THE TWO, THE MORE RESTRICTIVE REQUIREMENT SHALL BE APPLICABLE.
3. DETERMINE COMPRESSIVE STRENGTH OF MASONRY (f'_m) BY THE UNIT STRENGTH METHOD (SECTION 1.4B.2 OF ACI 530.1/ASCE 6/TMS 602). THE STRENGTH OF GROUT SHALL BE DETERMINED BY TESTS IN ACCORDANCE WITH ASTM C1019.
4. MATERIALS:
   C.M.U. ..... ASTM C55 OR C90
   GROUT ..... ASTM C476
   MORTAR ..... TYPE S
5. USE TYPE S MORTAR FOR C.M.U. IN ALL STRUCTURAL BEARING, SHEAR, AND CURTAIN WALLS.
6. INTERSECTING BEARING WALLS SHALL BE ANCHORED BY ONE OF THE FOLLOWING METHODS:
   A. FIFTY PERCENT OF THE UNITS AT THE INTERSECTION SHALL BE LAID IN AN OVERLAPPING MASONRY BONDING PATTERN, WITH ALTERNATE UNITS HAVING A BEARING OF NOT LESS THAN 3" ON THE UNIT BELOW.
   B. WALLS SHALL BE TIED BY GALVANIZED STEEL STRAPS 1 1/2" x 1/4" x 24" WITH 2" BEND AT 90° EACH END. GROUT STRAPS SOLID INTO CORES OF BLOCK AT 24" MAXIMUM VERTICAL SPACING.
   C. THE ABOVE DO NOT APPLY AT CONTROL JOINTS OR WHERE NON-LOAD-BEARING PARTITIONS ABUT BEARING WALLS.
7. UNLESS NOTED OTHERWISE, PROVIDE GALVANIZED STEEL SLEEVE / 8 GA WIRE STABILIZING ANCHORS AT 24" O.C. VERTICAL AT ALL JOINTS BETWEEN MASONRY PARTITIONS AND IN-PLACE MASONRY CONSTRUCTION (BEARING OR EXISTING WALL CONSTRUCTION). FASTEN ANCHOR TO IN-PLACE WALL W/ (2) 3/16"Ø x 1 1/4" MASONRY SCREWS.
8. CORNERS OF BEARING AND EXTERIOR WALLS SHALL BE BUILT IN RUNNING BOND.
9. ALL STRUCTURAL WALLS SHALL BE LAID IN RUNNING BOND. STACK BOND IS NOT ALLOWED.
10. GROUT CELLS (2 MINIMUM) BELOW LINTEL BEARING AT JAMBS DOWN TO FOUNDATION OR BOND BEAM, WHICHEVER OCCURS FIRST.
11. NO CHASES, RISERS, CONDUITS, OR TOOTHING OF MASONRY SHALL OCCUR IN MASONRY WALLS WITHIN 18 INCHES OF BEAM BEARING CENTERLINE.
12. PROVIDE SHOP DRAWINGS THAT INDICATE SIZE, SPACING, BENDING DETAILS, AND TYPE OF ALL REINFORCING BARS PLACED IN MASONRY WALLS. COMPLY WITH ACI SP-066(04) "ACI DETAILING MANUAL." PROVIDE WALL ELEVATION VIEWS OF ALL REINFORCED WALLS SHOWING LOCATIONS OF ALL HORIZONTAL AND VERTICAL DEFORMED BAR REINFORCING, WIDTH AND DEPTH OF GROUTING, OPENINGS, TOP OF BOND BEAM ELEVATIONS, AND DIMENSIONED LOCATIONS OF CONTROL JOINTS. COORDINATE SIZE AND LOCATION OF ALL WALL PENETRATIONS WITH MEP CONTRACTORS, AND DIMENSION ON WALL ELEVATIONS, PRIOR TO SUBMITTAL OF SHOP DRAWINGS. INCOMPLETE SUBMITTALS WILL BE REJECTED WITHOUT REVIEW.
13. PROVIDE HORIZONTAL JOINT REINFORCEMENT PER ASTM A951, GALVANIZED, AT 16" CENTERS VERTICALLY. SEE SPECIFICATIONS, UNLESS NOTED OTHERWISE, PROVIDE A GALVANIZED LADDER TYPE JOINT REINFORCEMENT.
14. WELDING OF REINFORCING BARS (INCLUDING TACK WELDING) IS NOT PERMITTED.
15. LAP SPLICES FOR REINFORCING CENTERED IN CORES TO BE IN ACCORDANCE WITH THE FOLLOWING TABLE.

BAR SIZE	WALL THICKNESS 8" CMU
#3	18"
#4	25"
#5	31"
#6	37"
#7	79"
#8	112"

16. SEE DETAILS AND SCHEDULES FOR LOCATIONS AND SIZES OF HORIZONTAL AND VERTICAL REINFORCEMENT.
17. REINFORCE BOND BEAMS WITH (2) #5 CONTINUOUS, UNLESS NOTED OTHERWISE. PROVIDE CORNER BARS FOR ALL BOND BEAM REINFORCEMENT.
18. IN ADDITION TO SPACING INDICATED IN SCHEDULE, PROVIDE VERTICAL BARS AT ALL CORNERS, ENDS, JAMBS, INTERSECTIONS AND BOTH SIDES OF CONTROL JOINTS.
19. EXTEND ALL VERTICAL REINFORCEMENT THRU MID-HEIGHT BOND BEAMS. EXTEND VERTICAL REINFORCING INTO BOND BEAMS A

16. STUDS AND JOIST ENDS SHALL BE SAWN TO FIT SQUARELY AND EVENLY AGAINST THE CONNECTING MEMBER. STUDS SHALL NOT BE THERMALLY CUT.
17. ALIGN BEARING WALL STUDS DIRECTLY BELOW FLOOR JOISTS AND ROOF TRUSSES. SEE PLAN FOR LAYOUT.
18. CONSTRUCT ALL CORNERS AND INTERSECTIONS WITH NOT LESS THAN THREE STUDS.
19. PROVIDE AND INSTALL A MINIMUM OF TWO FULL-HEIGHT STUDS (IN ADDITION TO JACK STUD OR STUDS) AT THE JAMBS OF ALL OPENINGS (WINDOWS, DOORS, LOUVERS, ETC.) EXCEEDING 2'-0" IN WIDTH.
20. SPLICES OR CUTOUTS IN THE FLANGES OF EXTERIOR WALL STUDS ARE PROHIBITED. EXTERIOR WALL STUDS SHALL RUN FULL HEIGHT FROM FLOOR TO FLOOR OR FLOOR TO ROOF WITHOUT SPLICE.
21. SEE HEADER SCHEDULE FOR HEADER SIZE AND NUMBER OF JACK STUDS.
22. SEE COLD-FORMED METAL FRAMING SCHEDULE FOR MATERIAL SIZES AND SPACINGS.
23. WHERE A DEFLECTION CLIP OR STATICRIGID CLIP IS NOTED TO COLD-FORMED FRAMING, CLIP SHALL OCCUR AT EACH MEMBER IN THE FRAMING SYSTEM UNLESS NOTED OTHERWISE (e.g. CLIP NOTED TO STUD WALL FRAMING SHALL OCCUR AT EACH STUD IN THE WALL SYSTEM).
24. THE OWNER MAY EMPLOY AN INDEPENDENT TESTING AGENCY TO PERFORM FIELD TESTS AND INSPECTION OF COLD-FORMED CONSTRUCTION FOR CONFORMANCE WITH CONTRACT DOCUMENTS. THE CONTRACTOR SHALL FACILITATE AND ALLOW ACCESS TO THE WORK FOR TESTS AND INSPECTIONS TO BE PERFORMED.
25. SUBMIT REPORTS DETAILING RESULTS OF ALL INSPECTIONS AND TESTING TO THE ARCHITECT/ENGINEER FOR APPROVAL WITHIN FIVE DAYS OF COMPLETION OF THE TESTS.
26. FIELD MODIFICATIONS OF COLD-FORMED STEEL SYSTEMS SHALL NOT BE ALLOWED WITHOUT PRIOR APPROVAL BY ENGINEER OF RECORD.

PRE-ENGINEERED STEEL BUILDING CONSTRUCTION

1. PRE-ENGINEERED BUILDING CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE BUILDING STRUCTURE
2. CONTRACTOR SHALL SUBMIT DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF INDIANA FOR REVIEW BY THE ARCHITECT AND ENGINEER.
3. STRUCTURE SHALL BE DESIGNED FOR:
   A. STRUCTURE SELFWEIGHT (INCLUDING ROOF SYSTEM).
   B. COLLATERAL DEAD LOAD OF 10 PSF.
   C. SNOW, WIND, EARTHQUAKE AND ROOF LIVE LOAD AS SHOWN IN "DESIGN LOADS" SECTION.
   D. ROOF TOP MECHANICAL UNITS (COORDINATE WITH MECHANICAL CONTRACTOR).
4. LIMIT BUILDING DRIFT TO **H/300** UNDER LOAD COMBINATIONS THAT INCLUDE WIND. DRIFT LIMITATIONS FOR SEISMIC LOADING ARE DEFINED IN THE INDIANA BUILDING CODE.
5. IN ADDITION TO THE BUILDING FRAME, THE PRE-ENGINEERED BUILDING CONTRACTOR SHALL DESIGN, PROVIDE, AND INSTALL:
   A. ANCHOR BOLTS (DIAMETER SELECTION FOR SHEAR AND TENSION)
   B. FRAMING FOR WALL OPENINGS
   C. FRAMING FOR ROOF OPENINGS
6. COLUMN PIERS AND FOOTINGS ARE DESIGNED ASSUMING PINNED COLUMN BASES. FIXED COLUMN BASES ARE NOT PERMITTED.
7. THE COMPLETE FOUNDATION SYSTEM (INCLUDING HAIRPINS) MUST BE INSTALLED PRIOR TO ERECTING THE STEEL STRUCTURE.
8. METAL ROOFING SHALL BE ASSUMED TO HAVE ZERO CAPACITY FOR DIAPHRAGM ACTION.
9. DEFLECTION OF FRAME BEAM SHALL NOT EXCEED L/120, WHERE L IS THE DISTANCE FROM EAVE TO EAVE.

NOTE:
THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DESIGNING, SUPPLYING, AND INSTALLING ALL TEMPORARY SHORING NECESSARY TO INSTALL NEW STRUCTURAL ELEMENTS. THE DESIGN OF THE SHORING SHALL BE DONE BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF INDIANA. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT (FOR THEIR RECORDS) TEMPORARY SHORING DRAWINGS (PLANS AND ANY NECESSARY DETAILS) THAT ARE SEALED, SIGNED AND DATED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.

SHORING / BRACING DESIGN AND INSTALLATION

1. THE GENERAL TRADES CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ENGINEERING, SUPPLYING, AND INSTALLING ALL TEMPORARY SHORING AND BRACING NECESSARY TO RESIST GRAVITY AND LATERAL LOADS AS THE EXISTING BUILDING IS SELECTIVELY DEMOLISHED AND RECONSTRUCTED WITH NEW STRUCTURAL ELEMENTS. THE DESIGN OF SHORING SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF INDIANA IN CONSIDERATION OF APPLIED, POTENTIAL AND CONSTRUCTION LOADING; CONSTRUCTION METHODS, TECHNIQUES AND SEQUENCE; LOADING AND ANALYSIS OF THE EXISTING STRUCTURE AND ITS ABILITY TO TRANSFER LOADS TO THE SHORING AND BRACING SYSTEM; AND SCHEDULE. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT (FOR THEIR RECORDS) TEMPORARY SHORING DRAWINGS (PLANS AND ALL NECESSARY DETAILS) THAT ARE SEALED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION. SHORING SUBMITTAL SHALL ALSO INCLUDE A WRITTEN DESCRIPTION OF THE INTENDED CONSTRUCTION SEQUENCE, PREPARED BY THE SHORING ENGINEER, AND REVIEWED AND APPROVED BY THE CONSTRUCTION MANAGER PRIOR TO SUBMITTAL TO THE ARCHITECT FOR THEIR RECORDS. SHORING SUBMITTAL SHALL INCLUDE WRITTEN DESCRIPTION OF LOADS AND LOAD COMBINATIONS CONSIDERED. SUBMITTALS SHALL BE RECEIVED FOR RECORD AND ARE NOT CONSIDERED AN ACTION SUBMITTAL BY BROWN & KUBICAN, PSC.
2. CALCULATION OF APPLIED LOADINGS ONTO THE SHORING (INCLUDING, BUT NOT LIMITED TO EXISTING CONSTRUCTION SELFWEIGHT, CONSTRUCTION LIVE LOADS, WIND LOADS, MATERIAL AND EQUIPMENT LOADS) ARE TO BE CALCULATED BY THE SHORING ENGINEER AFTER CONSULTATION WITH THE CONTRACTOR. SHORING ENGINEER SHALL UNDERSTAND WORK SEQUENCES AND OPERATIONS FROM THE CONTRACTOR PRIOR TO PREPARING SHOP DRAWINGS.
3. VERIFICATION OF ALL EXISTING STRUCTURE, SPREADERS, TEMPORARY FOOTINGS, ETC. TO SUPPORT SHORING LOADS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR'S SHORING ENGINEER.
4. SUGGESTED SHORING DETAILS HAVE BEEN INCORPORATED INTO THE CONSTRUCTION DOCUMENTS IN SOME INSTANCES. WHERE PROVIDED, THEY SHALL BE CONSTRUED AS SUGGESTIONS ONLY WHEREIN IF SUCH SCHEME IS USED, THE DESIGN AND DETAILS MUST STILL BE VERIFIED BY (AND FULL RESPONSIBILITY TAKEN BY) THE SHORING ENGINEER.
5. SHORING AND BRACING IS REQUIRED, BUT IS NOT LIMITED TO, THE FOLLOWING:
   A. WHERE DEMOLITION OF FLOOR AND / OR ROOF MEMBERS REMOVE LATERAL BRACING TO WALL, COLUMN, OR PIER MEMBERS.
   B. WHERE NEW OPENINGS IN WALLS MUST BE CREATED.
   C. WHERE DEMOLITION OF BEARING WALLS AND / OR SUPPORT BEAMS REMOVE VERTICAL SUPPORT TO GRAVITY LOAD MEMBERS.
   D. WHERE DEMOLITION OF SHEAR WALLS, BRACED FRAMES, OR OTHER LATERAL LOAD RESISTING SYSTEM REMOVES BUILDING RESISTANCE TO LATERAL WIND, SEISMIC, OR EARTH LOADS.
6. CEASE DEMOLITION OPERATIONS AND NOTIFY ARCHITECT IF ANY EXISTING STRUCTURAL ELEMENT TO REMAIN IN SERVICE DEVELOPS CRACK, BOW, DEFLECTION, ETC. OR IF ANY COMPONENT OF THE EXISTING STRUCTURE APPEARS DAMAGED, CORRODED OR OTHERWISE COMPROMISED.
7. SHORING CONTRACTOR AND THEIR ENGINEER SHALL NOT ASSIGN RESPONSIBILITY FOR ANY PORTION OF THE SHORING AND BRACING TO THE ENGINEER OF RECORD. ANY SUCH DELEGATION OF WORK OR RESPONSIBILITY WILL BE CAUSE FOR REJECTION OF THEIR SUBMITTALS AND APPLICATON OF LIQUIDATED DAMAGES FOR DELAY TO THE CONSTRUCTION SCHEDULE.

EXCAVATIONS BELOW FOUNDATIONS

1. MAKE NO EXCAVATION IMMEDIATELY BELOW ANY SPREAD COLUMN FOOTING. EXCAVATIONS WITHIN INFLUENCE ZONE OF FOUNDATION BEARING STRESS (CONSIDERED TO BE AT A 45 DEGREE OUTWARD AND DOWNWARD DIAGONAL FROM EXTENTS OF FOOTINGS) SHALL HAVE TEMPORARY EXCAVATION STABILIZATION ENGINEERED BY PROFESSIONAL ENGINEER EMPLOYED BY THE CONTRACTOR.
2. BACKFILL ALL EXCAVATIONS BELOW OR WITHIN THE INFLUENCE ZONE OF COLUMN SPREAD OR WALL STRIP FOOTINGS WITH CEMENTITIOUS FLOWABLE FILL OR LEAN CONCRETE. WRAP UTILITIES WITH COMPRESSIBLE FIBER WRAP OR OVERSIZED SLEEVE PRIOR TO CEMENTITIOUS BACKFILL. CONSOLIDATE CEMENTITIOUS BACKFILL FOR FULL SUPPORT UNDER THE FOUNDATION.
3. ANY DAMAGE TO BUILDING CAUSED BY CONTRACTOR'S EXCAVATION ADJACENT TO OR UNDER BUILDING STRUCTURE SHALL BE FULLY REPAIRED OR REPLACED, AS DIRECTED BY ARCHITECT, AT SOLE COST TO THE CONTRACTOR.

ROOF, FLOOR, OR WALL OPENINGS

1. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE NUMBER, SIZE, AND LOCATION OF ALL SLEEVES AND OPENINGS REQUIRED FOR MECHANICAL OR ELECTRICAL ITEMS.
2. SLEEVES AND OPENINGS SHALL BE LOCATED IN A MANNER THAT WILL MAINTAIN THE STRUCTURAL INTEGRITY OF THE ROOF, FLOOR, OR WALL SYSTEM.
3. NO STRUCTURAL ELEMENTS ARE TO BE CUT UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.

OPENINGS / PENETRATIONS / ATTACHMENTS TO STRUCTURE BY OTHER TRADES

1. THE CONTRACTOR SHALL COORDINATE AND VERIFY THE NUMBER, SIZE, AND LOCATION OF ALL SLEEVES AND OPENINGS REQUIRED FOR OTHER TRADES IN STRUCTURAL ELEMENTS.

TO GRADE BEAM FOUNDATIONS:
1. HORIZONTAL PENETRATIONS SHALL OCCUR IN MIDDLE THIRD OF MEMBER DEPTH AND MIDDLE THIRD OF SPAN. MAXIMUM SIZE TO BE 6".
2. VERTICAL PENETRATIONS LARGER THAN 2" ARE PROHIBITED.
3. PENETRATIONS MAY NOT INTERRUPT OR CUT THROUGH REINFORCING.

TO STRUCTURAL STEEL
1. FIELD CUTTING/DRILLING OF HOLES LARGER THAN 3/8" INTO BEAM FLANGES OR COLUMNS IS PROHIBITED EXCEPT WHERE REQUIRED FOR STRUCTURAL STEEL CONNECTIONS.
2. PENETRATIONS / HOLES THROUGH BEAM WEBS MAY BE POSSIBLE. TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR ENGINEERING COST TO VERIFY ADEQUACY AND DESIGN AND FOR INSTALLATION COST OF OPENING AND ANY REINFORCEMENT.

TO NEW OR EXISTING MASONRY BEARING WALLS
1. DO NOT MAKE ANY OPENING FOR DUCT OR PIPE WITHIN 12" EACH SIDE OF BEAM BEARING FOR 16" DOWN FROM BEARING ELEVATION.
2. DUCT OPENINGS SHALL BE CENTERED LATERALLY BETWEEN JOIST OR BEAM BEARING. PROVIDE LINTEL OVER ALL OPENINGS WIDER THAN 16".
3. ALL PIPE OR DUCT PENETRATIONS SHALL BE A MINIMUM OF 8" FROM CENTER OF ANY STRUCTURAL ANCHOR, ANCHOR BOLT, OR OTHER CONNECTION.
4. PIPES AND CONDUIT PENETRATIONS MAY BE CLUSTERED INTO 8" SQUARE OR ROUND CLUSTERS TO BE CONSIDERED A SINGLE PENETRATION WITHOUT LINTEL.
5. MAINTAIN MINIMUM 4" SOLID WALL MATERIAL BETWEEN ANY UTILITY (OR UTILITY CLUSTER) LESS THAN 4" IN DIMENSION. MAINTAIN MINIMUM 8" SOLID WALL MATERIAL BETWEEN UTILITY (OR UTILITY CLUSTER) UP TO 8" IN DIAMETER.
6. MAINTAIN MINIMUM 16" SOLID WALL MATERIAL BETWEEN DUCTS OPENINGS SMALLER THAN 16" IN HORIZONTAL WIDTH. MAINTAIN MINIMUM 24" SOLID WALL MATERIAL BETWEEN DUCTS LARGER THAN 16" IN HORIZONTAL WIDTH.

TO COLD-FORMED METAL TRUSSES / JOISTS / RAFTERS / BEAMS:
1. DO NOT USE DRILLED ANCHORS (WHICH CAUSE SECTION LOSS AND TENSION PUNCHING) THROUGH THE HORIZONTAL CHORDS OR FLANGES OF COLD-FORMED STEEL FRAMING. DO NOT USE DRILLED ANCHORS OR ECCENTRIC CLAMP CONNECTIONS (WHICH CAUSE SECTION LOSS / TENSION PUNCHING OR FLANGE TWISTING) THROUGH THE FLANGES OF COLD-FORMED STEEL FRAMING.
2. ALL CONNECTIONS TO COLD-FORMED STEEL STRUCTURAL FRAMING SHALL HAVE SHEAR PLATES THAT USE SELF-DRILLING SCREWS (IN SHEAR) TO THE VERTICAL FACE OF THE MEMBER WEB / TRUSS CHORD.

TO FLOOR DECK, PLANK, ELEVATED SLABS, ROOF DECK:
1. NO PENETRATIONS LARGER THAN 12" IN DIAMETER / SQUARE SHALL BE FIELD CUT IN THE STRUCTURAL MEMBER WITHOUT APPROVAL OF THE ENGINEER OF RECORD FOR THAT ELEMENT.
2. CUTTING / CORING OF ADJACENT PENETRATIONS, PERPENDICULAR TO THE STRUCTURAL SPAN, SHALL BE AVOIDED. ADJACENT PENETRATIONS THAT REMOVE MORE THAN 20% OF SUCH STRUCTURAL ELEMENT, IN ANY GIVEN 3-FOOT LENGTH, ARE PROHIBITED.

INSPECTION

AN APPROVED INDEPENDENT TESTING LABORATORY SHALL PROVIDE INSPECTION AND TESTING SERVICES PER ASTM E329. REPORTS OF INSPECTION AND TESTING SHALL BE SENT TO THE ARCHITECT. SUCH INSPECTION AND TESTING SHALL INCLUDE:

1. CONCRETE: MIX DATA, DAILY POUR REPORTS, CYLINDER TESTS, SLUMP, ENTRAINED AIR TESTS, AND TEMPERATURE.
2. REINFORCEMENT: PLACEMENT, TYPE, AND SIZE.
3. STRUCTURAL STEEL: WELDING AND BOLTING IN THE SHOP AND FIELD.
4. MASONRY: MORTAR CUBES, MASONRY PRISMS, SIZE AND LOCATION OF PIERS, USE OF PROPER MASONRY UNITS, REINFORCING PLACEMENT, AND GROUTING OPERATIONS.
5. FOUNDATIONS: BEARING SURFACE.
6. EARTH FILL: CERTIFICATION OF ALL FILL MATERIAL AND IN-PLACE DENSITY TESTS.

SITE OBSERVATION BY THE STRUCTURAL ENGINEER

1. THE ENGINEER HAS NO CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES; FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK; FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK; OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ACTS OR OMISSIONS OF THE CONTRACTOR, ANY SUBCONTRACTOR, MATERIAL SUPPLIER, OR AGENTS THEREOF. THE ENGINEER DOES NOT GUARANTEE THE PERFORMANCE OF THE CONTRACTOR AND SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM ITS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR APPLICABLE LAWS, CODES, RULES, OR REGULATIONS. THE CONTRACTOR SHALL MAINTAIN SOLE RESPONSIBILITY FOR DEFECTS AND DEFICIENCIES, INCLUDING PROVIDING TESTING AND INSPECTION ONCE SUCH ARE DISCOVERED, AND FOR PROVIDING ENGINEERED CORRECTIVE ACTION FOR DESIGN TEAM REVIEW.
3. PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF BROWN+KUBICAN, PSC IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHALL NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY, QUANTITY, OR ACCURACY OF THE CONSTRUCTION WORK, BUT RATHER PERIODIC IN EFFORT TO INFORM THE CLIENT ABOUT GENERAL PROGRESS AND TO ADVISE THE CLIENT ABOUT OBSERVED DEFECTS AND DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

RENOVATION AND REUSE OF EXISTING STRUCTURES

1. THE OWNER SHALL UNDERSTAND THAT EXISTING STRUCTURES MAY HAVE BEEN CONSTRUCTED PRIOR TO BUILDING CODE ADOPTION, TO A PREVIOUS CODE EDITION, OR NONCOMPLIANT TO CODE AND THAT THE ENGINEER SHALL NOT BE RESPONSIBLE FOR DISCOVERY OF CONSTRUCTION TECHNIQUES, CONDITION, OR ADEQUACY OF EXISTING STRUCTURE TO REMAIN STRUCTURALLY UNMODIFIED AS PART OF THIS WORK.
2. IN ELECTING TO REUSE AN EXISTING STRUCTURE THE OWNER SHALL REMAIN SOLELY RESPONSIBLE FOR THE CONDITION AND ADEQUACY OF THE EXISTING STRUCTURE, EXCEPT WHERE MODIFIED BY THE CONSTRUCTION PROJECT.
3. DISCOVERY OF AND PROVISION FOR DEFERRED MAINTENANCE AND REPAIR OF THE STRUCTURE ARE NOT INCLUDED IN THE SCOPE OF THE ENGINEER OR CONSTRUCTION DOCUMENTS EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE IN THE CONSTRUCTION DOCUMENTS.
4. IN KEEPING WITH CURRENT CODE PROVISIONS, EXISTING LOAD-CARRYING STRUCTURAL ELEMENTS MAY HAVE NOT BEEN STRENGTHENED, SUPPLEMENTED, REPLACED, OR OTHERWISE ALTERED IF CALCULATIONS SHOWED:
   a. NO MORE THAN 5% INCREASE IN DESIGN GRAVITY LOAD APPLIED TO THAT EXISTING STRUCTURAL ELEMENT AS A RESULT OF THE INTENDED ALTERATIONS.
   b. NO MORE THAN 10% INCREASE IN DEMAND-CAPACITY RATIO OF AN EXISTING LATERAL LOAD-CARRYING ELEMENT OR ALTERATION RESULTING IN A STRUCTURAL IRREGULARITY.

MAINTENANCE STATEMENT AND STRUCTURE LIFESPAN

1. THE ENGINEER MAKES NO CLAIM OR AGREEMENT AS TO THE LIFESPAN OF THE BUILDING STRUCTURE. THE CLIENT AND OWNER SHALL UNDERSTAND THAT STRUCTURAL TYPES DO HAVE LIFESPAN RELATIVE TO INITIAL COST AND MAINTENANCE AND THAT BY REQUESTING OR ACCEPTING A STRUCTURAL SYSTEM OF LOWER INITIAL COST THAT THE USEABLE LIFESPAN WILL DECREASE AND MAINTENANCE INCREASE.
2. ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXTEND LIFESPAN AND TO ENSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. THE ENGINEER SHALL NOT BE HELD LIABLE FOR MAINTENANCE REQUIREMENTS OR DETERIORATION RESULTING FROM LACK OF BUILDING MAINTENANCE.
3. A PLANNED PROGRAM OF MAINTENANCE SHALL INCLUDE ITEMS SUCH AS, BUT NOT LIMITED TO: PAINTING OF STRUCTURAL STEEL AND LINTELS, PROTECTIVE COATING FOR CONCRETE AND TIMBER, SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, TIMELY REPAIR OF SPALLS AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF STRUCTURAL ELEMENTS EXPOSED TO A SALT ENVIRONMENT OR OTHER HARSH CHEMICALS.

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PROJECT TITLE
Harrison REMC - Addition and Renovation

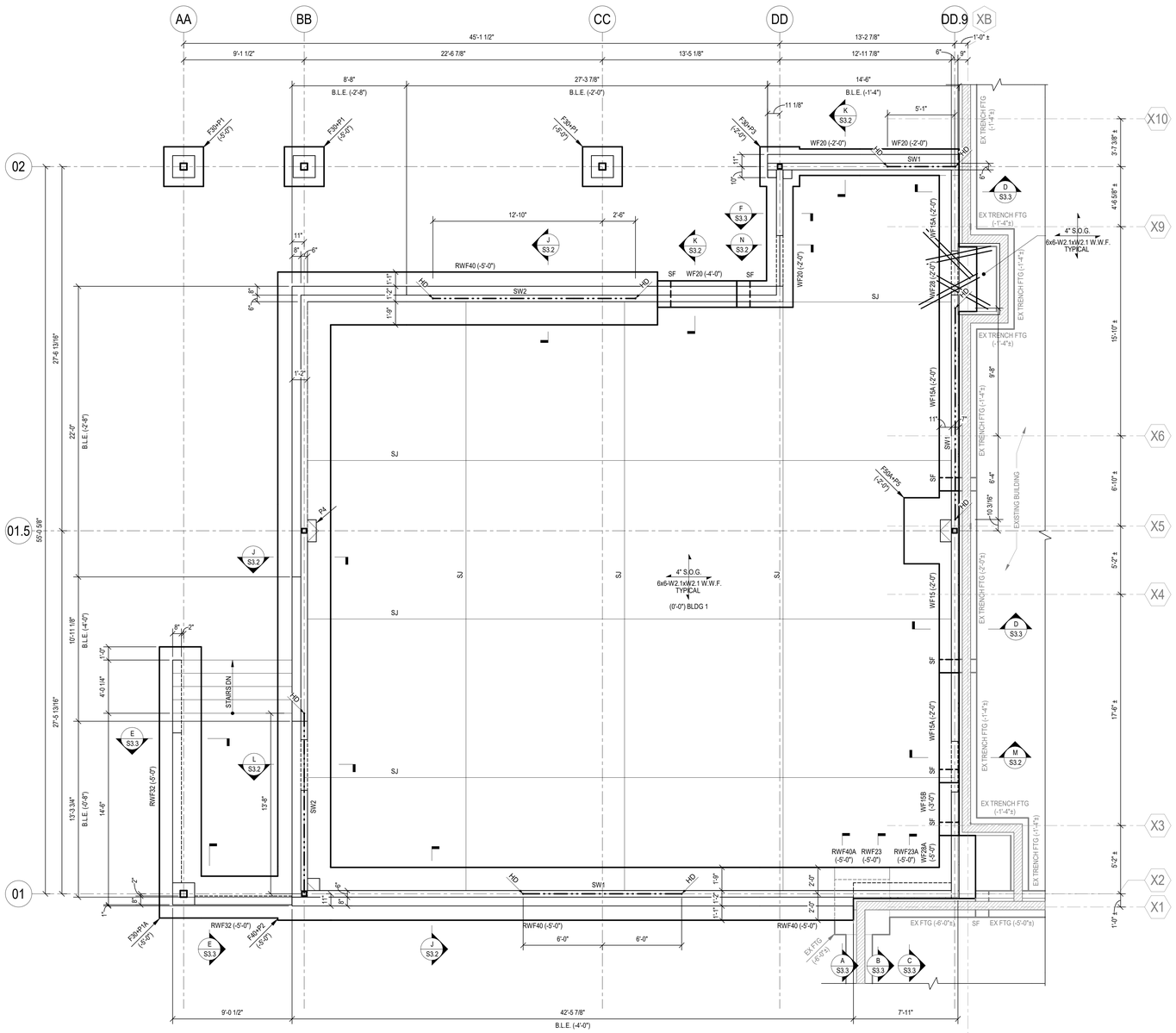
OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
GENERAL NOTES

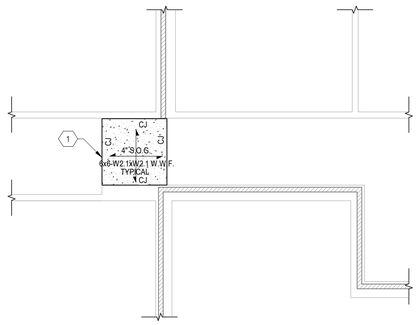
DATE
April 24, 2025

SHEET NUMBER
S1.2
24179.00



A S2.1 OFFICE AREA FOUNDATION PLAN (AREA 1)

1/4" = 1'-0"



B S2.1 EXISTING BUILDING PLAN (AREA 3)

1/4" = 1'-0"

FOUNDATION PLAN NOTES

1. ELEVATIONS SHOWN ARE TO THE TOP OF THE FOUNDATION AND ARE REFERENCED FROM EXISTING FINISHED FIRST FLOOR REFERENCE ELEVATION (0'-0").
2. CENTER ALL WALL FOOTINGS ON WALL CENTERLINE U.N.O.
3. CENTER ALL SPREAD FOOTINGS ON COLUMN GRID INTERSECTION U.N.O.
4. SEE DWGS S1.1 & S1.2 FOR GENERAL NOTES.
5. SEE DWGS S3.1 & S3.2 FOR TYPICAL FOUNDATION DETAILS.
6. SEE DWG S5.1 FOR COLUMN SCHEDULE.
7. SLAB ON GRADE SHALL BE PLACED ON VAPOR RETARDER (SEE SPECIFICATIONS) OVER 6" MINIMUM COMPACTED CRUSHED STONE OR DENSE GRADED AGGREGATE.
8. REINFORCE SLABS ON GRADE AT RE-ENTRANT CORNERS PER DET D/S3.1 REINFORCING BARS MAY NOT BE SHOWN GRAPHICALLY ON PLAN IN ALL LOCATIONS.
9. ALL FOOTINGS SHALL BE SUPPORTED ON UNDISTURBED SOIL CAPABLE OF SUPPORTING DESIGN LOADS WITHOUT APPRECIABLE SETTLEMENT. CONTRACTOR SHALL PROBE BEARING STRATA WITH DRIVEN RODS, REMOVE SHALLOW BEDROCK (AND OVERLYING SOIL) WITHIN ONE FOOTING WIDTH BELOW BOTTOM OF FOOTING, AND REPLACE WITH ENGINEERED SOIL BACKFILL.
10. REMOVE FAT CLAYS WITHIN 2 FEET OF THE FINAL SUBGRADE ELEVATION. SEE GENERAL NOTES.

FOUNDATION LEGEND

F40	= SPREAD FOOTING. SEE SCHEDULE.
WF40	= WALL FOOTING. SEE SCHEDULE.
RWF40	= RETAINING WALL FOOTING. SEE DET M/S3.1.
P1	= COLUMN PIER. SEE DET A/S3.2.
SF	= STEP FOOTING. SEE DET L/S3.1.
(-0'-8")	= TOP OF FOOTING ELEVATION.
2"	= EXTENT OF SLAB DEPRESSION. DEPTH MEASURED FROM ADJACENT TOP OF CONCRETE.
SJ	= SAWN CONTRACTION JOINT. SEE DET C/S3.1.
CJ	= CONSTRUCTION JOINT. SEE DET C/S3.1
	= CONCRETE WALL.
SW1	= EXTENT OF SHEAR WALL. SILL ANCHOR SPACING IS REDUCED AT SHEAR WALLS. SEE DET A/S4.2
HD	= SHEAR WALL HOLDOWN. SEE DET B/S4.2 .
B.L.E.	= BRICK LEDGE ELEVATION.
	= EXISTING CMU WALL.

FOUNDATION TAG NOTES

1 REMOVE 2 FT OF SOIL BELOW NEW SLAB ON GRADE. GEOTECHNICAL ENGINEER TO TEST SUBGRADE AND REPORT BACK TO E.O.R. FILL W/ D.G.A. AND VAPOR RETARDER.

2,500 PSF

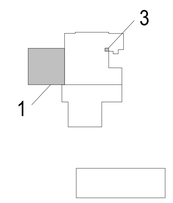
WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING CONT BOTTOM	TRANSVERSE REINFORCING BOTTOM
WF15	1'-6"	3'-0"	(2) #7	#4@36" O.C. T&B
WF15A	1'-6"	2'-4"	(2) #7	#4@36" O.C. T&B
WF15B	1'-6"	1'-4"	(2) #7	#4@36" O.C. T&B
WF20	2'-0"	1'-0"	(3) #5	#4@36" O.C
WF28	2'-10"	2'-4"	(3) #5	#4@36" O.C. T&B
WF28A	2'-9"	1'-10 1/2"	(3) #5	#4@36" O.C.

2,500 PSF

SPREAD FOOTING SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING E.W. BOTTOM	REINFORCING E.W.TOP
F30	3'-0"	3'-0"	1'-0"	(6) #4	-
F40	4'-0"	4'-0"	1'-0"	(8) #4	-
F50A	5'-0"	3'-8"	3'-0"	(7) #7	-



KEY PLAN

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PROJECT TITLE
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OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
FOUNDATION PLAN-BUILDING 1

DATE
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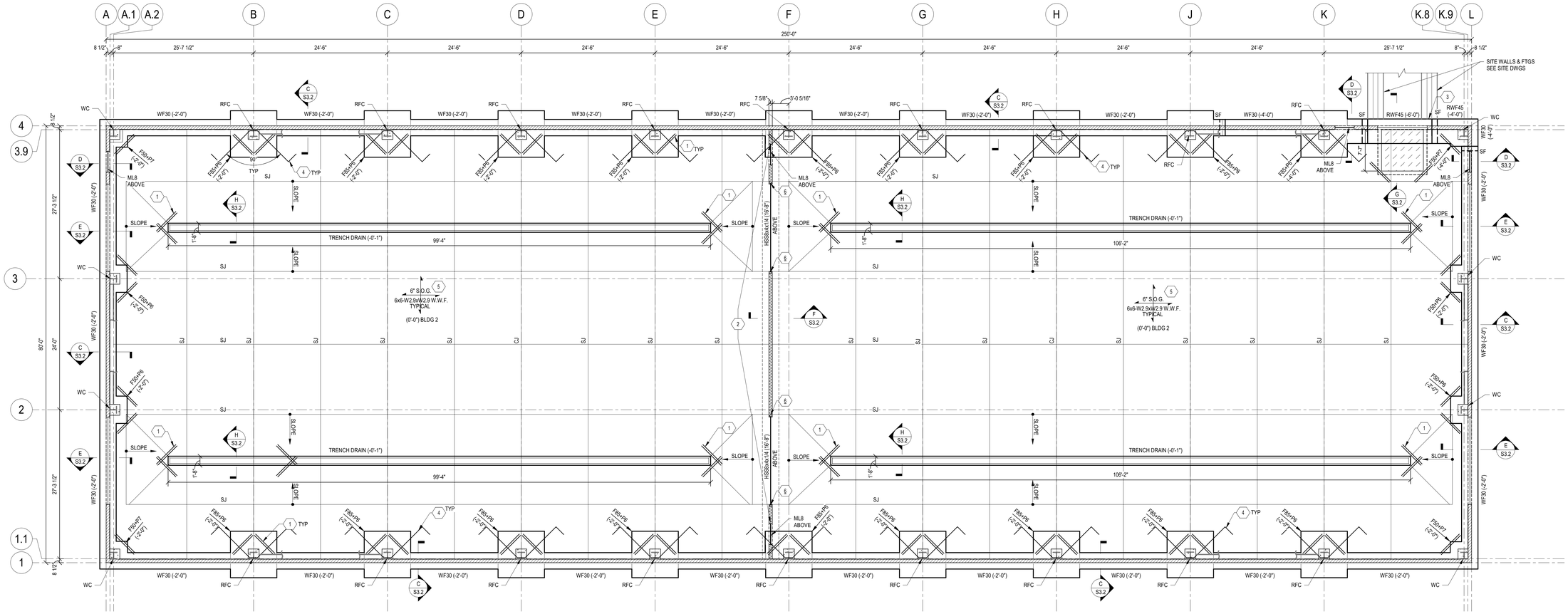
SHEET NUMBER
S2.1
24179.00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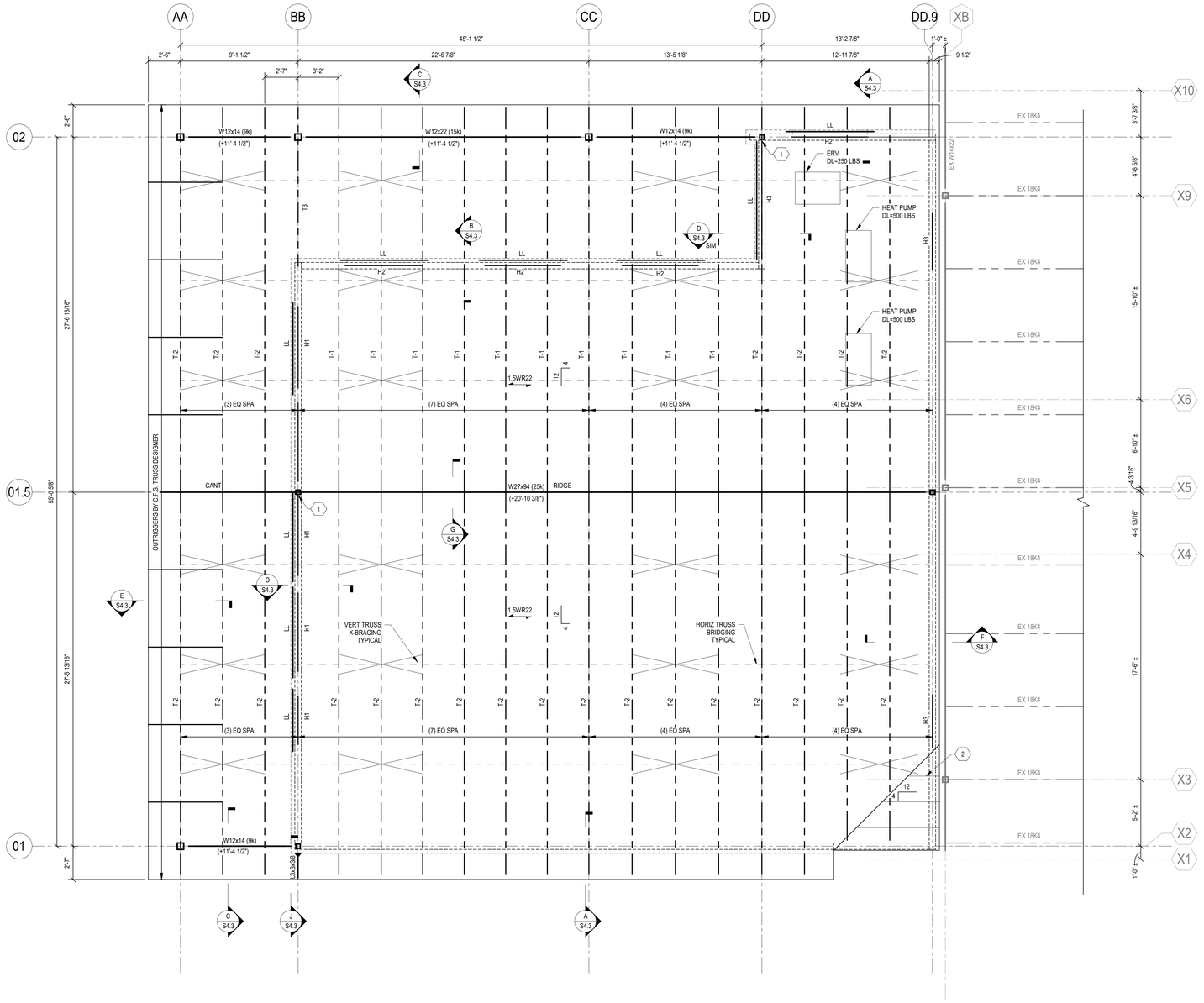
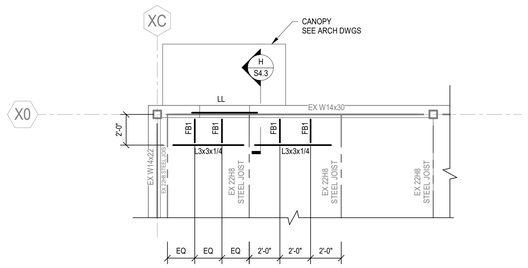


A S2.3 OFFICE AREA ROOF FRAMING PLAN (AREA 1)

1/4" = 1'-0"



B S2.3 CANOPY PLAN (AREA 4)

1/4" = 1'-0"

FRAMING PLAN NOTES

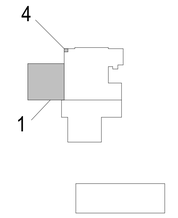
1. ELEVATIONS SHOWN ARE TO THE TOP OF STEEL AND ARE REFERENCED FROM FINISHED FIRST FLOOR REFERENCE ELEVATION (0'-0").
2. SEE DWGS S1.1 & S1.2 FOR GENERAL NOTES.
3. SEE DWGS S4.1 & S4.2 FOR TYPICAL FRAMING DETAILS.
4. SEE DWG S5.1 FOR COLUMN SCHEDULE.
5. SPACE BEAMS / JOISTS EVENLY THROUGHOUT BAY U.N.O.
6. THE QUANTITY OF TRUSSES SHOWN IS CONCEPTUAL. DESIGN, SUPPLY, AND INSTALL THE QUANTITY NECESSARY TO SUPPORT THE APPLICABLE LOADS.

FRAMING LEGEND

1.5WR22	= 1 1/2" 22 GA GALVANIZED WIDE RIB STEEL ROOF DECK.
(+13'-7")	= TOP OF STEEL BEAM ELEVATION REFERENCED FROM FINISHED FIRST FLOOR REFERENCE ELEVATION (0'-0").
	= WALL BELOW DECK.
T-1	= C.F.S. TRUSS SEE DET M/S4.2 FOR TRUSS PROFILES
H1	= C.F.S. HEADER. DEE DET L/S4.1 FOR DETAIL AND M/S4.1 FOR SCHEDULE. MARKS APPLIES TO OPENING BELOW.
12 / 1/4	= ROOF SLOPE.
FB1	= FLANGE BRACE. SEE DET N/S4.2.
CANT	= CANTILEVER BEAM. SEE DET B/S4.1.
LL	= LOOSE LINTEL. SEE GENERAL NOTES.

ROOF TAG NOTES

1. EXTEND HEADER TO ATTACH TO COLUMN. SEE DET H/S4.1.
2. ROOF OVERFRAMING BY C.F.S. TRUSS DESIGNER. SEE ARCH DRAWINGS.



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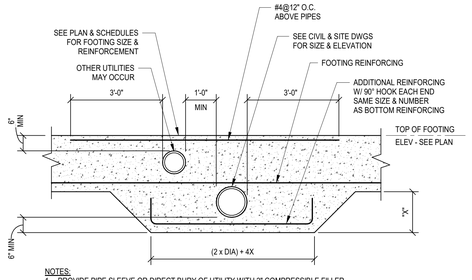
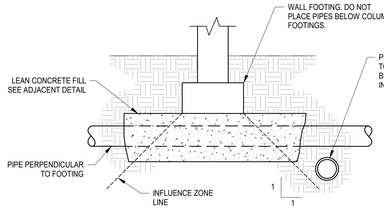
S2.3
24179.00



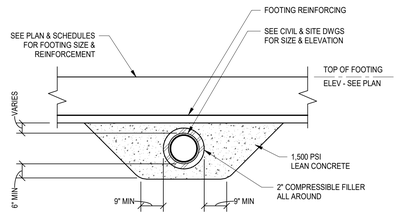
NOTES:
1. PROVIDE PIPE SLEEVE OR DIRECT BURY OF UTILITY WITH 2" COMPRESSIBLE FILLER (SUCH AS FIBERGLASS INSULATION) CONTINUOUSLY PLACED ALL AROUND.
2. DETAIL APPLIES AT TRENCH FOOTINGS ONLY. DO NOT USE THIS DETAIL FOR GRADE BEAMS. DO NOT USE THIS DETAIL FOR COLUMN FOOTINGS.

A S3.1 **TYPICAL FOOTING PENETRATION/SLEEVE DETAIL**
NOT TO SCALE



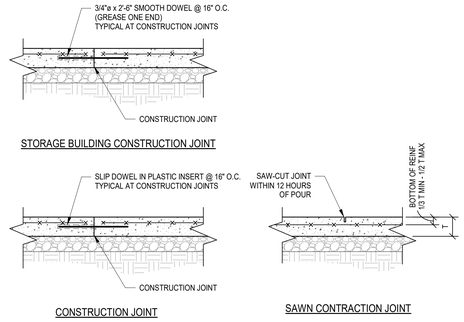
INFLUENCE ZONE

B S3.1 **TYPICAL UTILITY LINE BELOW FOOTING DETAIL**
NOT TO SCALE



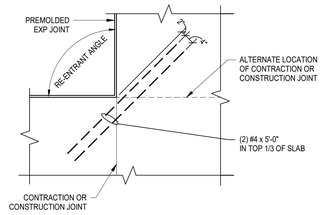
NOTES:
1. PROVIDE CONCRETE PROTECTION AROUND UTILITY LINE WHEN LINE IS WITHIN FOOTING INFLUENCE ZONE. SEE ADJACENT DETAIL FOR INFLUENCE ZONE DEFINITION.
2. DETAIL APPLIES WHEREVER TOP OF PIPE IS WITHIN 4 PIPE DIAMETERS TO BOTTOM OF FOOTING OR IF UTILITY IS INSTALLED AFTER FOOTING PLACEMENT (REGARDLESS OF DEPTH).
3. PROVIDE PIPE SLEEVE OR DIRECT BURY OF UTILITY WITH 2" COMPRESSIBLE FILLER (SUCH AS FIBERGLASS INSULATION) CONTINUOUSLY PLACED ALL AROUND.

C S3.1 **TYPICAL SLAB ON GROUND JOINT DETAIL**
NOT TO SCALE

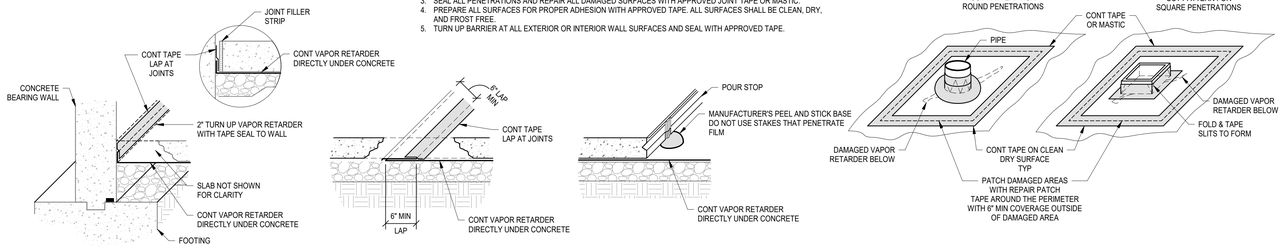


NOTES:
1. JOINTS SHALL BE INSTALLED IN SLABS ON GROUND AT A MAXIMUM SPACING IN FEET OF 3 TIMES THE SLAB THICKNESS IN INCHES IN EACH DIRECTION BY EITHER OF THE ABOVE METHODS. MAXIMUM LENGTH OF ANY SLAB ON GROUND POUR TO BE 100'-0" BETWEEN CONSTRUCTION JOINTS. RATIO OF LENGTH TO WIDTH SHALL NOT EXCEED 2. THIS SPACING OF JOINTS SHALL APPLY UNLESS SPECIFICALLY SHOWN OTHERWISE.
2. REINFORCING SHALL BE DISCONTINUOUS THROUGH CONSTRUCTION JOINTS.

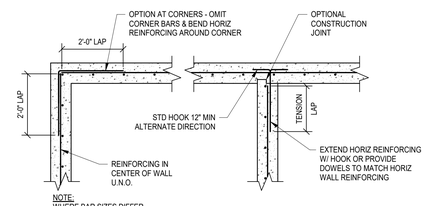
D S3.1 **TYPICAL SLAB ON GRADE JOINT AT RE-ENTRANT CORNER**
NOT TO SCALE



NOTES:
1. PROVIDE VAPOR RETARDER THAT IS RESISTANT TO DETERIORATION WHEN TESTED ACCORDING TO ASTM E 154. SEE SPECIFICATION SECTION 033000.
2. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.
3. SEAL ALL PENETRATIONS AND REPAIR ALL DAMAGED SURFACES WITH APPROVED JOINT TAPE OR MASTIC.
4. PREPARE ALL SURFACES FOR PROPER ADHESION WITH APPROVED TAPE. ALL SURFACES SHALL BE CLEAN, DRY, AND FROST FREE.
5. TURN UP BARRIER AT ALL EXTERIOR OR INTERIOR WALL SURFACES AND SEAL WITH APPROVED TAPE.

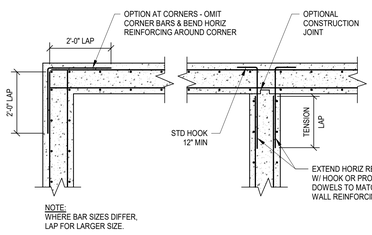


E S3.1 **TYPICAL VAPOR RETARDER DETAILS**
NOT TO SCALE



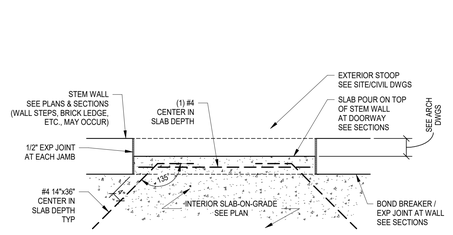
NOTE:
WHERE BAR SIZES DIFFER,
LAP FOR LARGER SIZE.

F S3.1 **TYPICAL CONCRETE WALL REINFORCING DETAIL**
NOT TO SCALE



NOTE:
WHERE BAR SIZES DIFFER,
LAP FOR LARGER SIZE.

G S3.1 **TYPICAL CONCRETE WALL REINFORCING DETAIL**
NOT TO SCALE

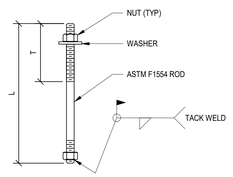


H S3.1 **TYPICAL SLAB-ON-GRADE REINFORCING AT EXTERIOR DOOR DETAIL**
NOT TO SCALE

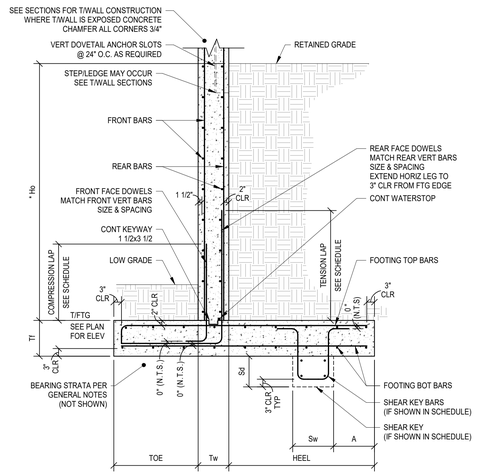
DIAMETER	L	T	PROJECTION	GRADE	MIN WASHER DIM
1/2" **	6 1/2"	3"	2"	36	STD ROUND
5/8"	10"	3"	2"	36	3/16" x 1 3/4" x 1 3/4"
3/4"	1'-7"	5"	3"	36	1/4" x 2" x 2"
1"	2'-0"	6"	4"	36	3/8" x 3" x 3"
1 1/4"	2'-0"	6"	4"	36	1/2" x 3 x 3"
1 1/2"	2'-2"	6"	4"	50	1/2" x 3 1/2" x 3 1/2"

NOTE:
** 1/2"ø BOLT MAY BE ASTM A307 MACHINE BOLT WITH NUT AND WASHER.

SEE PEMB MANUFACTURER DWGS FOR ANCHOR BOLT LAYOUT, SIZE, SPACING AND OTHER PERTINENT INFORMATION NOT INCLUDED ON STRUCTURAL DWGS



J S3.1 **TYPICAL ANCHOR ROD DETAIL**
NOT TO SCALE



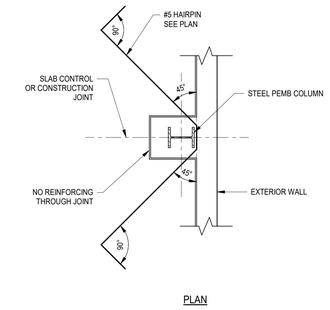
NOTES:
1. GRADE AT HIGH SIDE AND/OR LOW SIDE MAY BE GRASS, PLANTINGS, SITE PAVEMENT, BUILDING FLOOR SLAB, OR OTHER. COORDINATE WITH ADDITIONAL ARCHITECTURAL, STRUCTURAL, AND SITE/CIVIL DRAWINGS FOR PERTINENT INFORMATION.
2. WALL IS DESIGNED FOR DRAINED CONDITION OF THE RETAINED MATERIALS. PROVIDE CONTINUOUS FOUNDATION DRAIN AT BASE OF WALL ON THE RETAINED GRADE SIDE OF WALL. SEE SITE, CIVIL, AND PLUMBING DRAWINGS FOR DRAIN TERMINATION INFORMATION. IF NOT OTHERWISE NOTED, PIPE SHALL DAYLIGHT IN MANNER TO PERMIT DRAINAGE.
3. FOR CONCRETE WALL EXPOSED TO VIEW, COORDINATE WALL JOINTS WITH APPROPRIATE DETAILS
4. UNLESS NOTED OTHERWISE, TERMINATE TOP BARS 2" BELOW TOP OF WALL & PROVIDE HORIZONTAL BAR MAXIMUM 4" BELOW TOP OF WALL EACH FACE OF WALL.
5. WHERE FLOOR SLAB ON GRADE TERMINATES INTO VERTICAL WALL FACE, PROVIDE CONTINUOUS 1/4" EXPANSION JOINT BETWEEN EDGE OF SLAB AND FACE OF WALL.
6. WHERE HOOKED BARS ARE SHOWN, HOOK LENGTH SHALL BE ACI 318 STANDARD 90° HOOK UNLESS NOTED OTHERWISE.

RETAINING WALL SCHEDULE

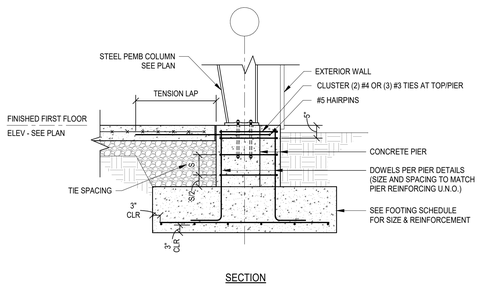
MARK (SEE PLANS)	Ho* (MAX RETAINED HEIGHT MEASURED FROM T/FTG)	DIMENSIONS							REINFORCEMENT				
		FOOTING			SHEAR KEY**				FOOTING		WALL		
		Tw	Tf	TOE	HEEL	Sd	Sw	A	TOP BARS	BOT BARS	FRONT BARS	REAR BARS	SHEAR KEY**
RWF23	5'-0"	1'-2"	1'-0"	---	1'-2"	---	---	---	#5@12" O.C. TRANS + (3) #5 LONGITUDINAL	#5@12" O.C. TRANS + (3) #5 LONGITUDINAL	#5@12" O.C. VERT + #4@12" O.C. HORIZ	#5@12" O.C. VERT+ #4@12" O.C. HORIZ	---
RWF32	5'-0"	8"	1'-0"	1'-0"	1'-4"	---	---	---	#5@12" O.C. TRANS + (5) #5 LONGITUDINAL	#5@12" O.C. TRANS + (5) #5 LONGITUDINAL	#5@12" O.C. VERT + #4@12" O.C. HORIZ	---	---
RWF40	5'-0"	1'-2"	1'-0"	1'-1"	1'-9"	---	---	---	#5@12" O.C. TRANS + (5) #5 LONGITUDINAL	#5@12" O.C. TRANS + (5) #5 LONGITUDINAL	#5@12" O.C. VERT + #4@12" O.C. HORIZ	#5@12" O.C. VERT+ #4@12" O.C. HORIZ	---
RWF45	6'-0"	8"	1'-0"	1'-3"	2'-7"	---	---	---	#5@12" O.C. TRANS + (5) #5 LONGITUDINAL	#5@12" O.C. TRANS + (5) #5 LONGITUDINAL	#5@12" O.C. VERT + #4@12" O.C. HORIZ	---	---

* CONTACT ENGINEER IF MAXIMUM RETAINED HEIGHT NOTED WILL BE EXCEEDED BASED ON FINISHED GRADING.
** --- CONVEYS SHEAR KEY/KEY REINFORCEMENT DOES NOT OCCUR.

M S3.1 **TYPICAL RETAINING WALL DETAIL**
NOT TO SCALE

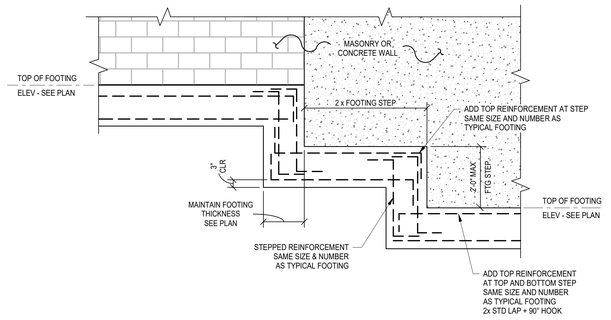


PLAN



SECTION

K S3.1 **TYPICAL PEMB COLUMN AND FOOTING DETAIL**
NOT TO SCALE



L S3.1 **TYPICAL STEP FOOTING DETAIL**
NOT TO SCALE

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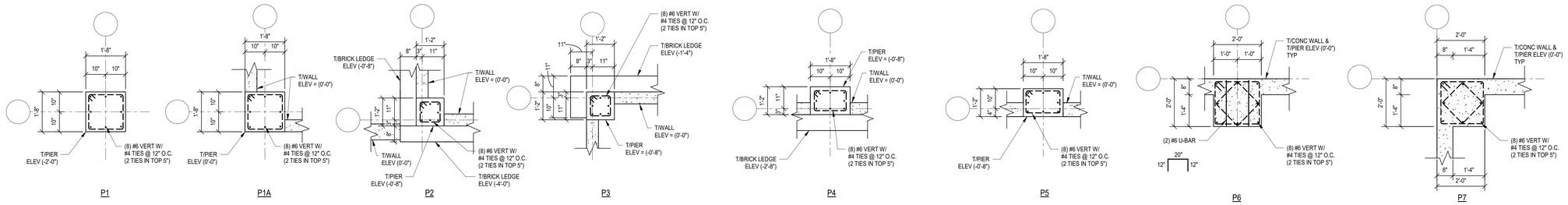
PROJECT TITLE
Harrison REMC - Addition and Renovation

OWNER
HARRISON REMC
Corydon, IN

DATE
April 24, 2025

SHEET TITLE
TYPICAL FOUNDATION DETAILS

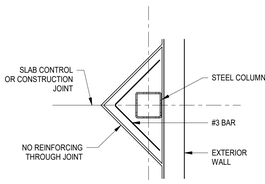
SHEET NUMBER
S3.1
24179.00



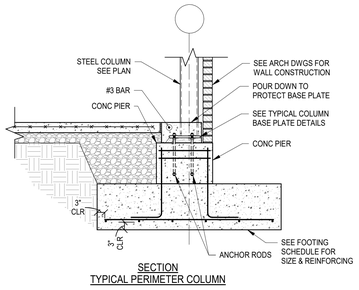
P1 P1A P2 P3 P4 P5 P6 P7

NOTES:
1. SEE PLAN FOR PIER ORIENTATION.
2. WALL REINFORCEMENT NOT SHOWN FOR CLARITY. SEE SECTIONS.

A S3.2 TYPICAL CONCRETE PIER DETAILS
1/2" = 1'-0"

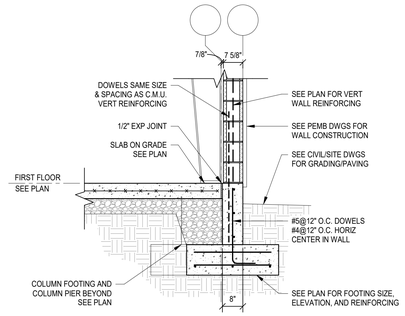


PLAN



SECTION
TYPICAL PERIMETER COLUMN

B S3.2 TYPICAL STEEL COLUMN AND FOOTING DETAIL
1/2" = 1'-0"



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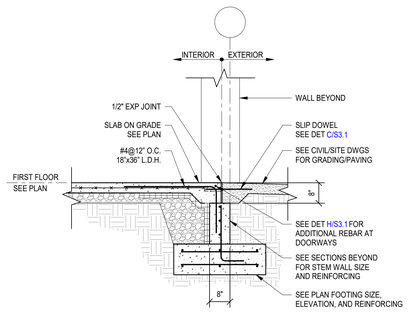
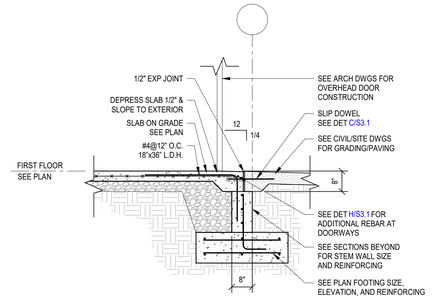
1/2" = 1'-0"



D S3.2 SECTION
1/2" = 1'-0"



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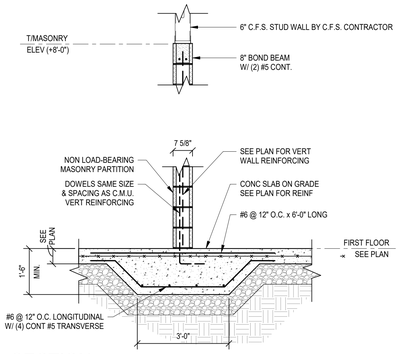

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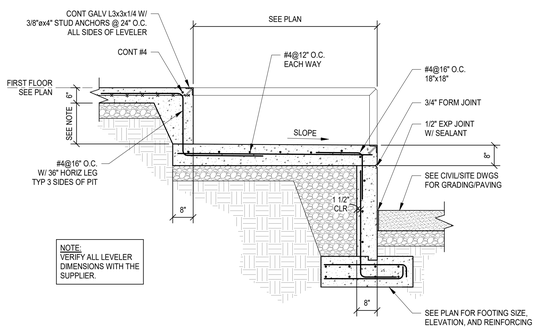

G S3.2 SECTION
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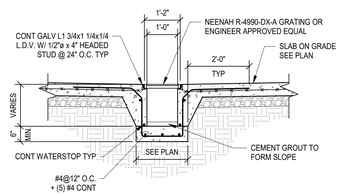

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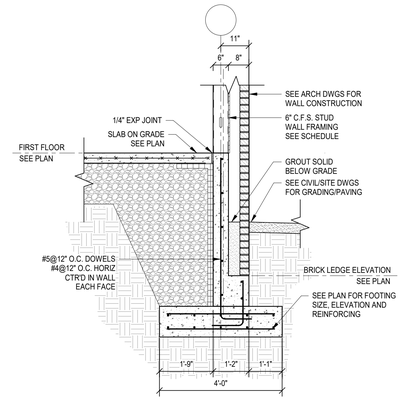
1/2" = 1'-0"



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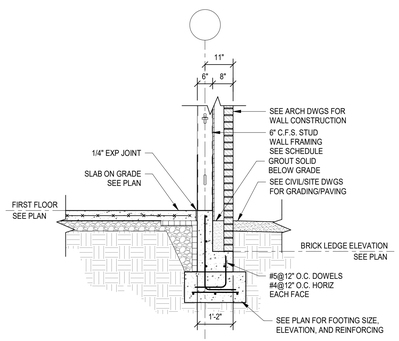

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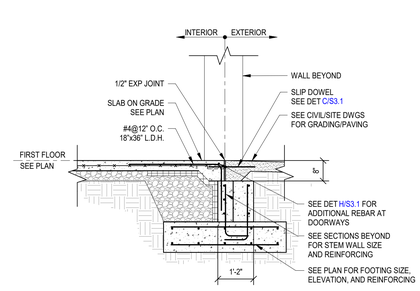

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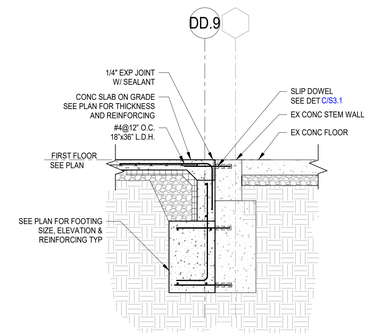
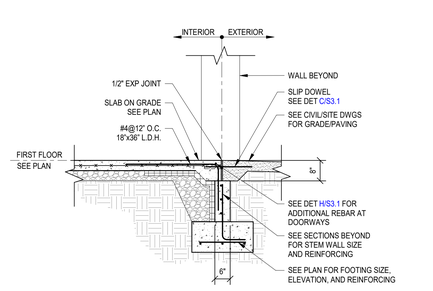
1/2" = 1'-0"



M S3.2 SECTION
1/2" = 1'-0"



N S3.2 SECTION
1/2" = 1'-0"

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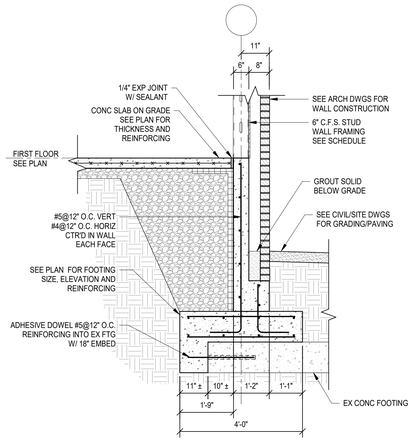
PROJECT TITLE
Harrison REMC - Addition and Renovation

OWNER
HARRISON REMC
Corydon, IN

DATE
April 24, 2025

SHEET TITLE
FOUNDATION SECTIONS

SHEET NUMBER
S3.2
24179.00



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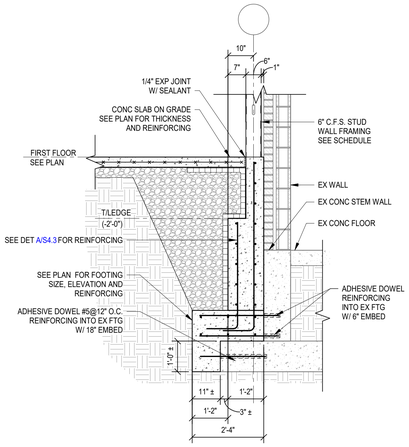

B S3.3 SECTION
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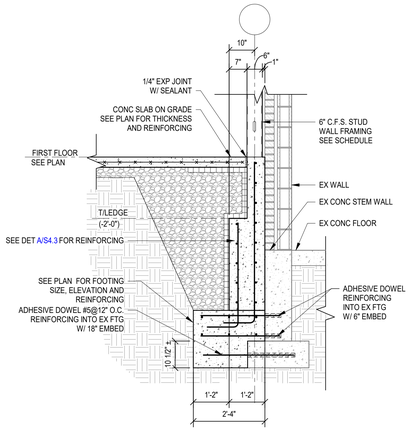

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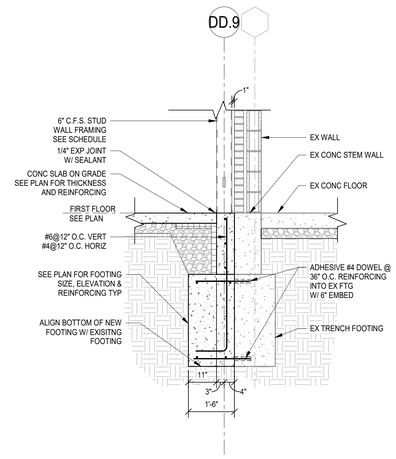

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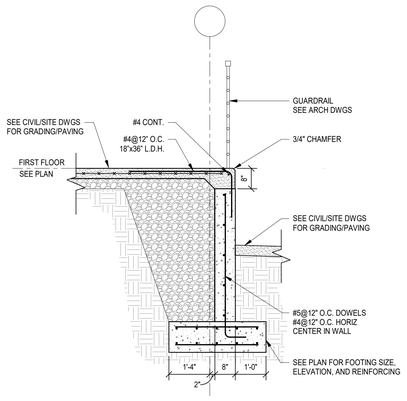

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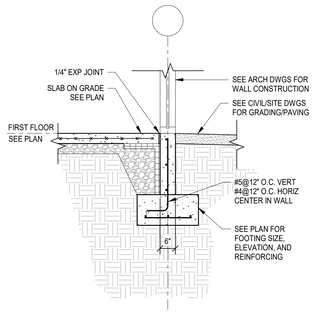

F S3.3 SECTION
1/2" = 1'-0"

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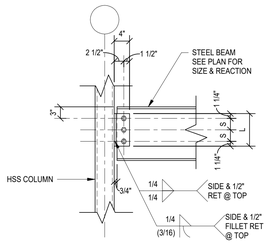
S3.3
24179.00

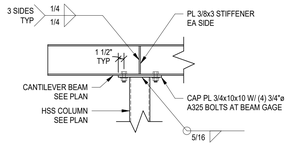


CONNECTION CAPACITY TABLE

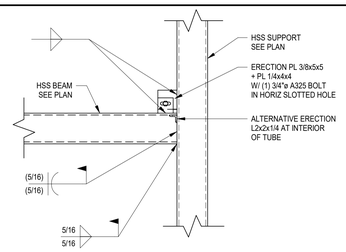
NUMBER OF BOLTS	LENGTH OF WT L (INCHES)	ASD CONNECTION CAPACITY (KIPS)
2	5 1/2	12
3	8 1/2	18
4	11 1/2	26
5	14 1/2	36

NOTES:
1. ALL CONNECTION MATERIAL, WT4x7.5.
2. ALL BOLTS ASTM A325-N, 3/4"ø.
3. ALL WELDS E70XX.
4. BOLT SPACING (S) = 3".
5. SHORT HORIZONTAL SLOTTED HOLES MAY BE USED.

A S4.1 TYPICAL WT SHEAR CONNECTION DETAIL
NOT TO SCALE

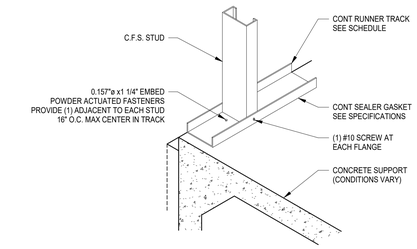


B S4.1 TYPICAL CANTILEVER BEAM DETAILS
NOT TO SCALE

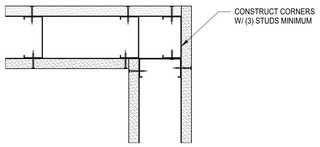


NOTES:
1. FIELD WELD SHALL BE MADE PRIOR TO APPLICATION OF ROOF OR WALL DEAD LOAD.
2. REMOVE ERECTION PLATES AFTER COMPLETION OF FIELD WELD. GRIND SMOOTH WHERE EXPOSED TO VIEW FROM ANY VANTAGE POINT.
3. WHERE BEAM WIDTH MATCHES SUPPORT WIDTH COPE BEAM AROUND SUPPORT CORNERS TO FIT SHAPE.
4. WHERE BEAM WIDTH IS NARROWER THAN SUPPORT FACE PROVIDE FILLET WELD ALL AROUND.
5. WHERE ABUTTING TUBE IS WIDER THAN SUPPORT, PROVIDE 3/8" THICK END PLATE MATCHING BEAM DIMENSIONS WITH PARTIAL PENETRATION GROOVE WELD ALL AROUND.
6. WELD AT ERECTION PLATES TO BE DETERMINED BY FABRICATOR/ERECTOR CONSIDERING ORIENTATION OF PL, MEMBER WEIGHTS, AND ERECTION FORCES.

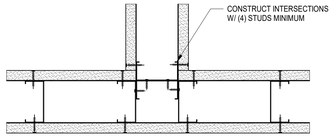
C S4.1 TYPICAL TUBE TO TUBE CONNECTION DETAIL
NOT TO SCALE



D S4.1 TYPICAL WALL BASE AT FOUNDATION/SLAB
NOT TO SCALE

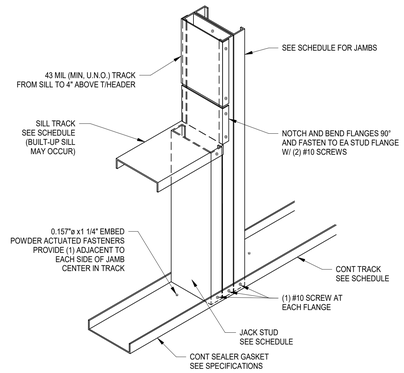


CORNER FRAMING

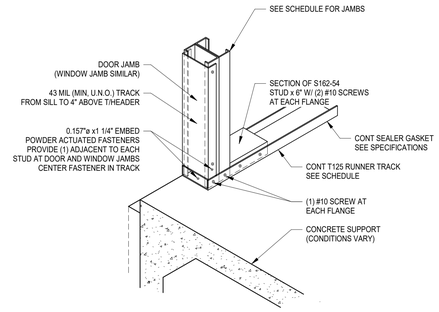


WALL INTERSECTION FRAMING

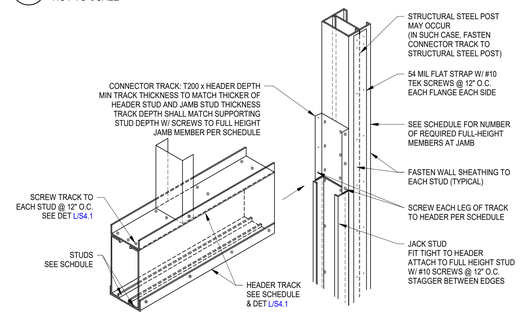
E S4.1 CORNER AND WALL INTERSECTION FRAMING
NOT TO SCALE



F S4.1 TYPICAL JAMB & SILL DETAIL
NOT TO SCALE

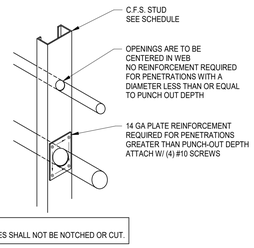


G S4.1 TYPICAL WINDOW/DOOR JAMB BASE AT FOUNDATION/SLAB
NOT TO SCALE



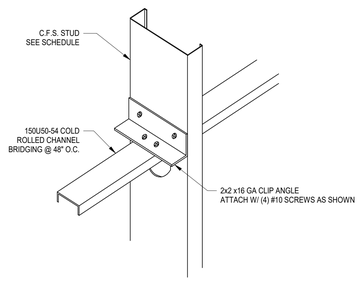
CONNECTION SCREW SCHEDULE		
HEADERS	SCREWS	
	CONNECTOR TRACK TO JAMB (1/2 EACH SIDE)	CONNECTOR TRACK TO HEADER (EACH FLANGE)
ALL 6" DEEP (OR LESS) HEADERS U.N.O.	(6) #10	(3) #10

H S4.1 TYPICAL BOX HEADER FRAMING & JAMB DETAIL
NOT TO SCALE

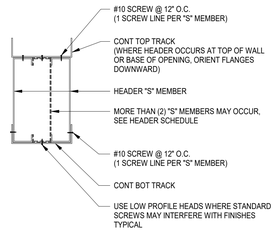


NOTE:
FLANGES SHALL NOT BE NOTCHED OR CUT.

J S4.1 TYPICAL STUD PENETRATION DETAIL
NOT TO SCALE



K S4.1 TYPICAL STUD BRIDGING DETAIL
NOT TO SCALE



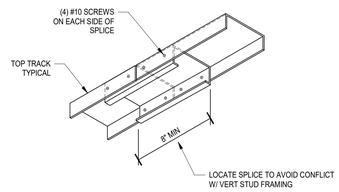
NOTES:
1. WHERE HEADER OCCURS IN EXTERIOR BUILDING WALL, STUFF HEADER WITH SPECIFIED BATT INSULATION PRIOR TO CLOSING OUT BOX SHAPE.
2. SEE HEADER SCHEDULE FOR MEMBER SIZES.

L S4.1 TYPICAL BOX HEADER DETAIL
NOT TO SCALE

LOCATION	MATERIAL AND SPACING
EXTERIOR WALL STUDS	600S162-54 @ 16" O.C. * W/ (2) 600S162-54 BACK-TO BACK W/ (2)#10 SCREWS @ 8" O.C. UNDER ALL TRUSS BEARING
H1 JAMB STUDS	(1) 600S162-54 - JACK STUD + (3) 600S162-54 FULL HEIGHT STUDS + (1) 600T125-54
H2 JAMB STUDS	(1) 600S162-54 - JACK STUD + (2) 600S162-54 FULL HEIGHT STUDS + (2) 600T125-54
H3 JAMB STUDS	(1) 600S162-54 - JACK STUD + (2) 600S162-54 FULL HEIGHT STUDS + (1) 600T125-54
H1 HEADER	(2) 600S162-54 + (2) 600T125-54 BOX HEADER
H2 HEADER	(2) 600S200-68 + (2) 600T125-54 BOX HEADER
H3 HEADER	(2) 600S162-54 + (2) 600T125-54 BOX HEADER
RUNNER TRACK	600T125-54
TOP PLATE	600T125-54
SILL TRACK	600T125-54

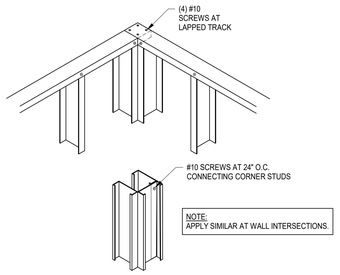
* PLUS BRIDGING PER DETAIL E/S4.1 @ 48" O.C.
DOUBLE EVERY THIRD STUD (@ 48" O.C.) UNDER ALL TRUSS BEARING.
INSTALL DOUBLE STUDS BACK TO BACK (WEB TO WEB) AND
CONNECT W/ #10 SCREWS @ 12" O.C. STAGGERED BETWEEN EDGES.

M S4.1 COLD-FORMED METAL FRAMING SCHEDULE
NOT TO SCALE



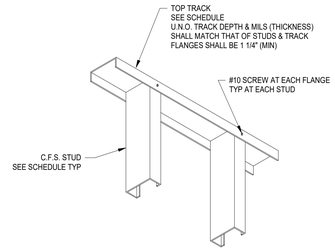
NOTE:
1. SILL SPLICE NOT REQUIRED FOR SILL TRACK FASTENED TO CONCRETE OR STRUCTURAL STEEL SUPPORT WITH (1) P.A.F. WITHIN 4"±2" FROM END OF MEMBER ON EACH SIDE OF JOINT.

N S4.1 TYPICAL TOP TRACK SPLICE DETAIL
NOT TO SCALE



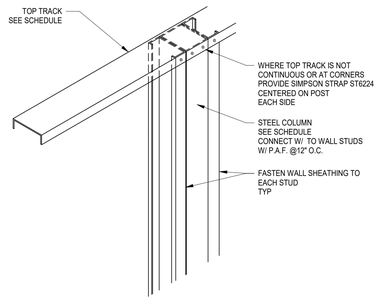
NOTE:
APPLY SIMILAR AT WALL INTERSECTIONS.

P S4.1 TYPICAL TOP TRACK AT CORNER DETAIL
NOT TO SCALE

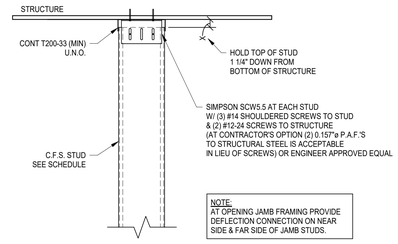


(NON-DEFLECTION CONDITION)

Q S4.1 TYPICAL TOP TRACK DETAIL
NOT TO SCALE



R S4.1 CFS STUD TO STEEL POST CONNECTION
NOT TO SCALE



NOTE:
AT OPENING JAMB FRAMING PROVIDE DEFLECTION CONNECTION ON NEAR SIDE & FAR SIDE OF JAMB STUDS.

DEFLECTION CLIP CONNECTION
TO BOTTOM OF STRUCTURE

S S4.1 TYPICAL SLIP CONNECTION DETAIL
NOT TO SCALE

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No. PE11900485
STATE OF INDIANA
PROFESSIONAL ENGINEER
BROWN + KUBICAN, PSC
4/24/25

ISSUED FOR DATE

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502-749-2061
www.brownkubican.com

PROJECT TITLE
Harrison REMC - Addition and Renovation

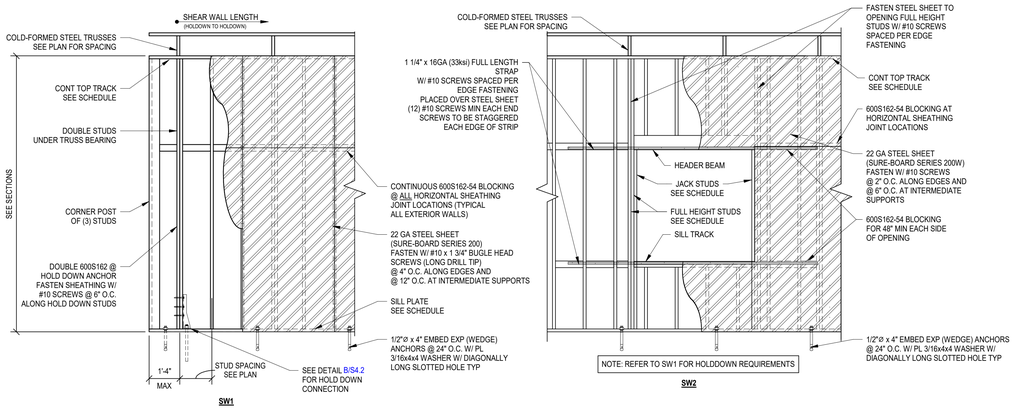
OWNER
HARRISON REMC
Corydon, IN

DATE
April 24, 2025

SHEET TITLE
TYPICAL FRAMING DETAILS

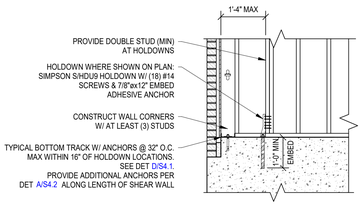
SHEET NUMBER
S4.1
24179.00

NOTE: SPLICES IN TRACKS ARE NOT PERMITTED @ SHEAR WALLS



A S4.2 TYPICAL SHEAR WALL FRAMING

NOT TO SCALE

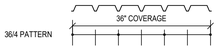


B S4.2 TYPICAL SHEAR WALL HOLDOWN ANCHORAGE DETAIL

NOT TO SCALE

FASTEN STEEL FLOOR AND ROOF DECK AS INDICATED BELOW FOR EACH DIAPHRAGM ZONE AS MARKED ON PLAN.

A. FASTEN DECK UNITS AT ENDS AND AT INTERMEDIATE SUPPORTS WITH FASTENERS AS NOTED IN SCHEDULE ACCORDING TO THE FOLLOWING PATTERNS.



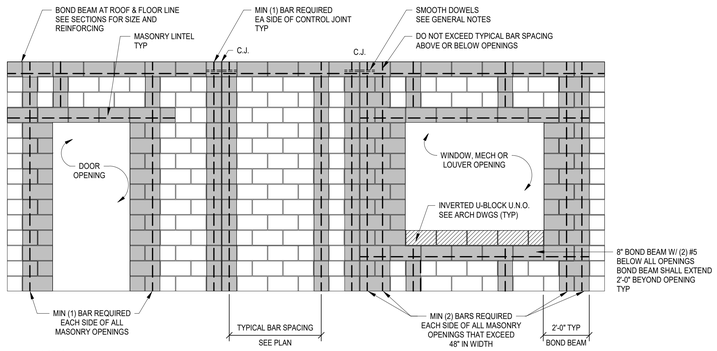
DIAPHRAGM ZONE	DECK TYPE	PANEL ENDS AND INTERMEDIATE SUPPORTS	DECK SIDE LAPS
ROOF	1.5WR22	#10 TEK SCREW OR P.A.F. @ 36/4 PATTERN	#10 TEK SCREW @ 24" O.C. MAX

B. FASTEN DECK SIDE LAPS, INCLUDING DECK TO CLOSURE PLATES, WITH #10 SELF DRILLING SCREWS AS NOTED IN SCHEDULE.

C. FASTEN DECK PERIMETER SIDE EDGES (PARALLEL TO DECK SPAN), INCLUDING CLOSURE PLATES, TO STEEL SUPPORTS WITH #12 TEK SCREWS OR P.A.F. PIN (ROOF DECK OR FORM DECK) SPACED AT 12" ON CENTER.

C S4.2 STEEL FLOOR/ROOF DECK FASTENING SCHEDULE

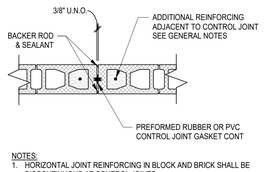
NOT TO SCALE



NOTES:
1. SEE MASONRY GENERAL NOTES FOR REINFORCING NOT SHOWN AND GROUTING PROCEDURES.
2. CONTROL JOINTS SHALL EXTEND FULL HEIGHT OF WALL AND ALIGN FROM FLOOR TO FLOOR.
3. CONTROL JOINTS SHALL BE LOCATED OUTSIDE MASONRY OPENING JAMB REINFORCING.

D S4.2 TYPICAL MASONRY WALL REINFORCING DETAIL

NOT TO SCALE



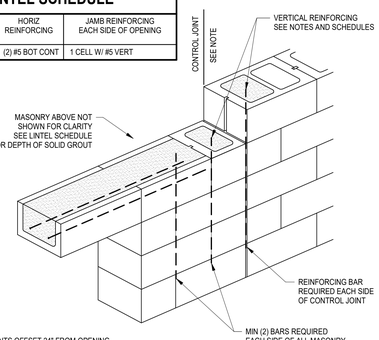
NOTES:
1. HORIZONTAL JOINT REINFORCING IN BLOCK AND BRICK SHALL BE DISCONTINUOUS AT CONTROL JOINTS.
2. SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.
3. UNLESS OTHERWISE SHOWN OR NOTED, SPACING OF CONTROL JOINTS SHALL NOT EXCEED 25 FEET AT EXTERIOR WALLS AND 32 FEET AT INTERIOR WALLS.

E S4.2 TYPICAL C.M.U. CONTROL JOINT DETAIL (C.J.)

NOT TO SCALE

LINTEL SCHEDULE

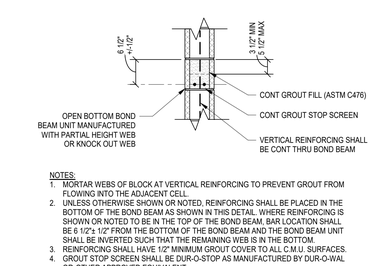
MARK	DEPTH	HORIZ REINFORCING	JAMB REINFORCING EACH SIDE OF OPENING
ML8	8"	(2) #5 BOT CONT	1 CELL W/ #5 VERT



NOTES:
1. PROVIDE CONTROL JOINTS OFFSET 24" FROM OPENING. ON BOTH SIDES OF OPENINGS WIDER THAN 6'-8" AND ON ONE SIDE OF OPENINGS 6'-8" WIDE AND LESS.
2. REINFORCING SHALL HAVE 1/2" MINIMUM GROUT COVER TO SURFACE OF BOND BEAM.
3. REINFORCING SHALL BE LOCATED 3" MAXIMUM FROM BOTTOM OF LINTEL BLOCK.
4. WHERE JAMB IS LESS THAN 2'-0" WIDE, HOOK HORIZONTAL LINTEL BARS AT ENDS.

F S4.2 TYPICAL MASONRY LINTEL BEARING DETAIL

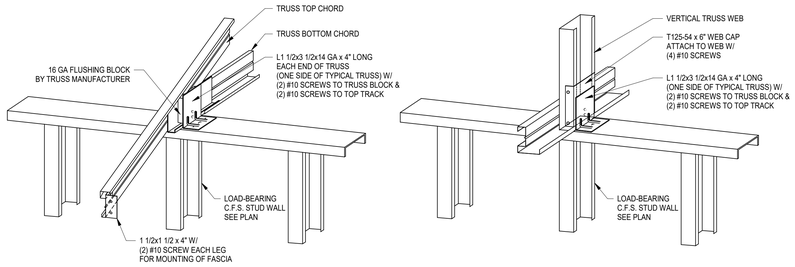
NOT TO SCALE



NOTES:
1. MORTAR WEBS OF BLOCK AT VERTICAL REINFORCING TO PREVENT GROUT FROM FLOWING INTO THE ADJACENT CELL.
2. UNLESS OTHERWISE SHOWN OR NOTED, REINFORCING SHALL BE PLACED IN THE BOTTOM OF THE BOND BEAM AS SHOWN IN THIS DETAIL. WHERE REINFORCING IS SHOWN OR NOTED TO BE IN THE TOP OF THE BOND BEAM, BAR LOCATION SHALL BE 6 1/2"± 1/2" FROM THE BOTTOM OF THE BOND BEAM AND THE BOND BEAM UNIT SHALL BE INVERTED SUCH THAT THE REMAINING WEB IS IN THE BOTTOM.
3. REINFORCING SHALL HAVE 1/2" MINIMUM GROUT COVER TO ALL C.M.U. SURFACES.
4. GROUT STOP SCREEN SHALL BE DUR-O-STOP AS MANUFACTURED BY DUR-O-WAL OR OTHER APPROVED EQUIVALENT.
5. USE LINTEL BLOCK WHERE BOND BEAM OCCURS DIRECTLY ABOVE WINDOW, DOOR, OR LOUVER OPENING.

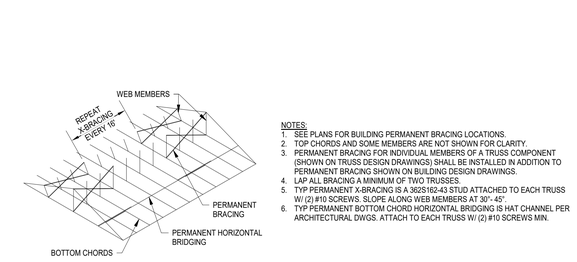
G S4.2 TYPICAL C.M.U. BOND BEAM DETAIL

NOT TO SCALE



H S4.2 TYPICAL TRUSS BEARING DETAIL AT C.F.S. WALL

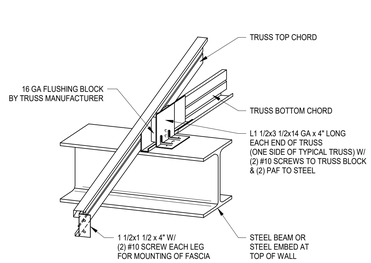
NOT TO SCALE

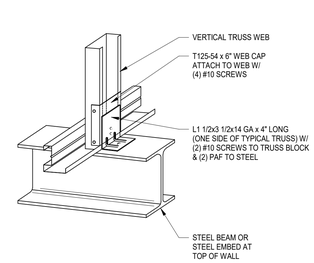


NOTES:
1. SEE PLANS FOR BUILDING PERMANENT BRACING LOCATIONS.
2. TOP CHORDS AND SOME MEMBERS ARE NOT SHOWN FOR CLARITY.
3. PERMANENT BRACING FOR INDIVIDUAL MEMBERS OF A TRUSS COMPONENT (SHOWN ON TRUSS DESIGN DRAWINGS) SHALL BE INSTALLED IN ADDITION TO PERMANENT BRACING SHOWN ON BUILDING DESIGN DRAWINGS.
4. LAP ALL BRACING A MINIMUM OF TWO TRUSSES.
5. TYP PERMANENT X-BRACING IS A 362S162-43 STUD ATTACHED TO EACH TRUSS W/ (2) #10 SCREWS. SLOPE ALONG WEB MEMBERS AT 30°- 45°.
6. TYP PERMANENT BOTTOM CHORD HORIZONTAL BRIDGING IS HAT CHANNEL PER ARCHITECTURAL DWGS. ATTACH TO EACH TRUSS W/ (2) #10 SCREWS MIN.

J S4.2 TYPICAL MINIMUM PERMANENT TRUSS BRACING

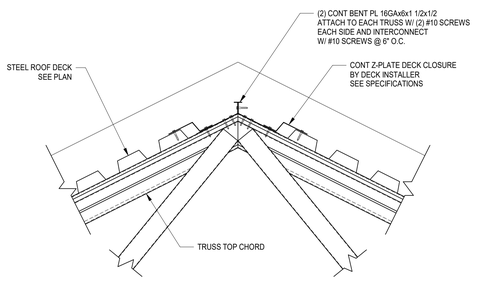
NOT TO SCALE





K S4.2 TYPICAL TRUSS BEARING DETAIL AT STEEL

NOT TO SCALE

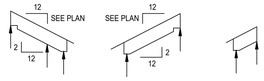


L S4.2 TYPICAL RIDGE PLATE DETAIL

NOT TO SCALE

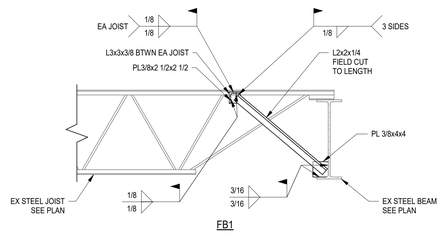
NOTE:
WEB CONFIGURATION AND TRUSS-TRUSS CONNECTIONS PER MANUFACTURER.

NOTE:
TRUSS PROFILES ARE DEPENDENT UPON TRUSS CHORD MEMBER DEPTHS BASED ON TRUSS MANUFACTURER'S DESIGN. TRUSS MANUFACTURER TO CLOSELY COORDINATE WITH ALL OTHER TRADES IF TRUSS DESIGN DIFFERS FROM THESE DRAWINGS IN ANY WAY.



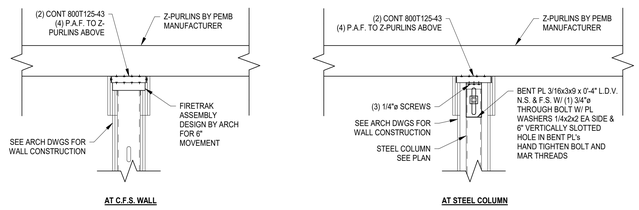
M S4.2 TYPICAL LIGHT GAUGE METAL TRUSS PROFILES

NOT TO SCALE



N S4.2 TYPICAL FLANGE BRACE DETAIL

NOT TO SCALE



P S4.2 TYPICAL DEFLECTION CONNECTION @ STORAGE BUILDING

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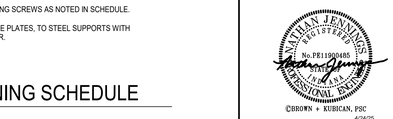


BROWN + KUBICAN, PSC
4/24/25

ISSUED FOR DATE

BROWN+KUBICAN
STRUCTURAL ENGINEERS
8900 Greeneway Commons Pl #201
Louisville, KY 40220
502-749-2061
www.brownkubican.com

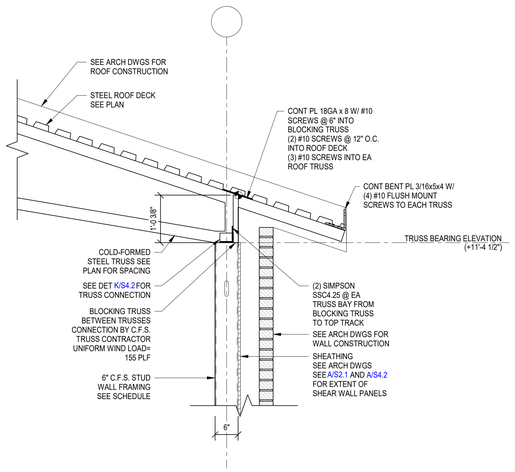
PROJECT TITLE
Harrison REMC - Addition and Renovation

OWNER
HARRISON REMC
Corydon, IN

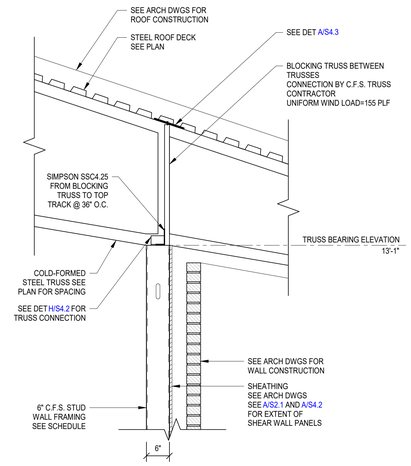
SHEET TITLE
TYPICAL FRAMING DETAILS

DATE
April 24, 2025

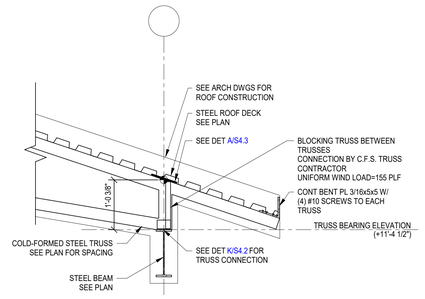
SHEET NUMBER
S4.2
24179.00



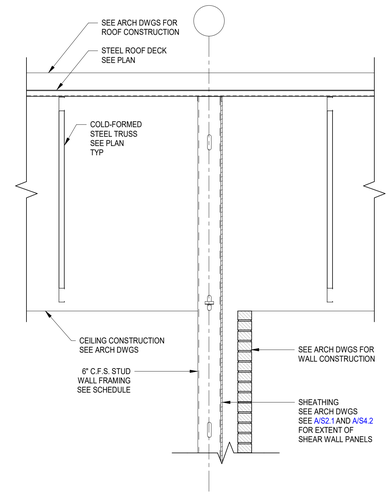
A S4.3 **SECTION**
3/4" = 1'-0"



B S4.3 **SECTION**
3/4" = 1'-0"



C S4.3 **SECTION**
3/4" = 1'-0"



D S4.3 **SECTION**
3/4" = 1'-0"

E S4.3 **SECTION**
3/4" = 1'-0"

F S4.3 **SECTION**
3/4" = 1'-0"

G S4.3 **SECTION**
3/4" = 1'-0"

H S4.3 **SECTION**
1" = 1'-0"

J S4.3 **SECTION**
3/4" = 1'-0"

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NATHAN JENNINGS REGISTERED PROFESSIONAL ENGINEER No.PE11900485 STATE OF INDIANA
BROWN + KUBICAN, PSC
4/24/25

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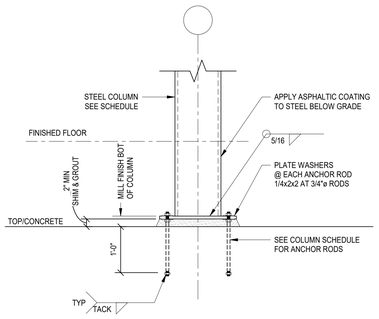
SHEET TITLE
FRAMING SECTIONS

SHEET NUMBER
S4.3
24179.00

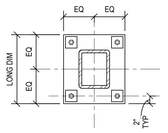
STEEL COLUMN SCHEDULE

T.O.S. RIDGE									T.O.S. RIDGE
20'-10 3/8" TRUSS BEARING ELEVATION									20'-10 3/8" TRUSS BEARING ELEVATION
11'-4 1/2" FIRST FLOOR	HSS6x6x3/8 ZRP	HSS6x6x3/8 ZRP	HSS4x4x3/8	HSS4x4x3/8	HSS6x6x3/8 ZRP	HSS6x6x3/8 ZRP	HSS4x4x3/8	HSS4x4x3/8	11'-4 1/2" FIRST FLOOR
0"									0"
BASE PLATE	3/4x14x14	3/4x14x14	3/4x8 1/2x8 1/2	3/4x14x8 1/2	3/4x14x14	3/4x14x14	3/4x8 1/2x8 1/2	3/4x14x8 1/2	
ANCHOR RODS	3/4ø	3/4ø	3/4ø	3/4ø	3/4ø	3/4ø	3/4ø	3/4ø	
BASE PL TYPE	A	A	C	B	A	A	C	B	
CAP PLATE	1/2x7x7	1/2x7x7	1/2x5x5	SEE DET B/S.1	1/2x7x7	1/2x7x7	1/2x5x5	1/2x5x5	
NOTES									
Column Locations	AA-01	AA-02	BB-01	BB-01.5	BB-02	CC-02	DD-02	DD.9-01.5	

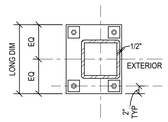
COLUMN SCHEDULE NOTES:
1. SEE PLAN FOR TOP OF FOUNDATION OR PIER ELEVATION.
2. SEE DETAIL A/S5.1 FOR BASE PLATE INFORMATION.
3. CAP PLATES SHALL BE WELDED TO COLUMN WITH ALL-AROUND 1/4" FILLET WELD U.N.O.
4. WHERE COLUMN EXTENDS TO UNDERSIDE OF ROOF DECK, SLOPE TOP OF COLUMN TO MATCH ROOF DECK SLOPE.
5. COORDINATE BOTTOM OF BASE PLATE ELEVATION WITH SUPPORTING FOUNDATION ELEMENT ELEVATION GIVEN ON PLAN (FOOTING, PIER, PIER CAP, OR GRADE BEAM) & DETAIL A/S3.2.
6. ZRP=ZINC RICH PRIMER. SEE SPECIFICATION.



NOTES:
1. GROUT SHALL BE 8,000 P.S.I. NON-SHRINK, NON-METALLIC GROUT.
2. LEVELING PLATES ARE OPTIONAL.
3. ANCHOR RODS SHALL BE ASTM F1554 ROD WITH NUTS AND WASHERS AS SHOWN. WELD BOTTOM NUT (BELOW) TO ANCHOR ROD PRIOR TO INSTALLING ROD.
4. HOLES IN BASE PLATES SHALL BE 5/16" OVERSIZE, UNLESS NOTED OTHERWISE.
5. ANCHOR ROD BELOW COLUMN INTENDED FOR VERTICAL SUPPORT DURING ERECTION ONLY. NO TOP NUT/WASHER NEED BE PROVIDED (BASE PL TYPE C).
6. LONG DIMENSION OF BASE PLATE SHALL BE PARALLEL TO LONG DIMENSION OF HSS COLUMN, UNLESS NOTED OTHERWISE.



TYPE A



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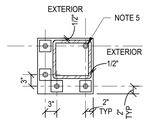
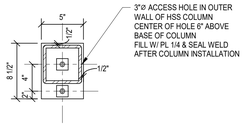


TYPE C



TYPE D

TYPICAL STEEL COLUMN BASE PLATE SETTING DETAIL

A / S5.1

3/4" = 1'-0"

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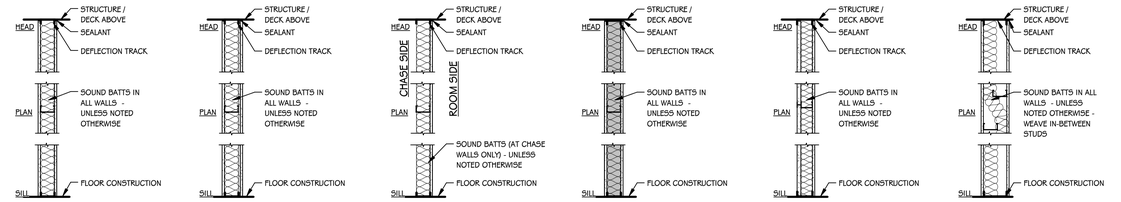


1. METAL STUDS @ 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES; (1 HOUR FIRE) U.L. ASSEMBLY U465 WHERE NOTED ON PLANS

METAL STUD WALL

1.1. METAL STUDS @ 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES AND (1) LAYER 1/2" BULLET RESISTANT PANEL BENEATH GYPSUM ON PUBLIC SIDE

METAL STUD WALL

2. METAL STUDS @ 16" O.C. WITH 5/8" GYPSUM BOARD ON ROOM SIDE - BRACE WALL @ 4'-0" O.C. MAXIMUM.

METAL STUD CHASE WALL OR FURRING

4. METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYPSUM BOARD BOTH SIDES TO DECK

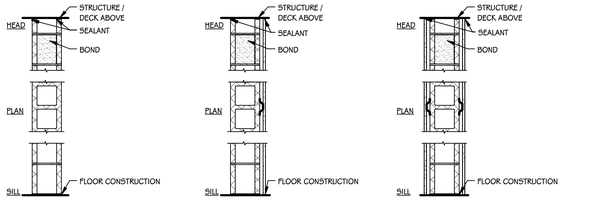
STRUCTURAL METAL STUD WALL

5. METAL CH STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYPSUM BOARD ON ROOM SIDE AND 1" TYPE "X" GYPSUM BOARD PANEL ON CHASE SIDE

METAL STUD CHASE WALL (1 HOUR FIRE) U.L. ASSEMBLY U415

8. 6" TOP AND BOTTOM TRACK WITH 3 5/8" METAL STUD FRAMING @ 16" O.C. (OFFSET) WITH 5/8" GYPSUM BOARD BOTH SIDES

METAL STUD SOUND WALL



9. 4" CONCRETE MASONRY UNITS
10. 6" CONCRETE MASONRY UNITS
11. 8" CONCRETE MASONRY UNITS
12. 10" CONCRETE MASONRY UNITS
13. 12" CONCRETE MASONRY UNITS

CMU WALL (3 HOUR FIRE) U.L. ASSEMBLY - U904

9. 4" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD
10. 6" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD
11. 8" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD
12. 10" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD
13. 12" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD

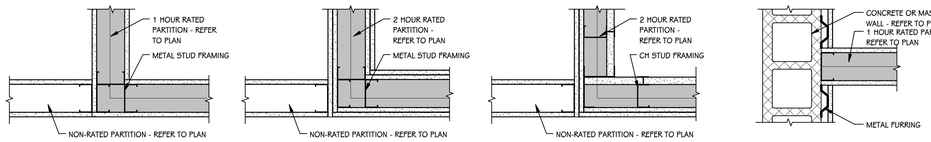
CMU WALL WITH FURRING

9. 4" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES
10. 6" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES
11. 8" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES
12. 10" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES
13. 12" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES

CMU WALL WITH FURRING BOTH SIDES

INTERIOR PARTITION TYPES

3/4" = 1'-0"

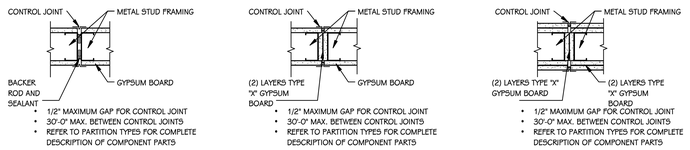


INTERSECTION OF NON-RATED AT 1 HOUR RATED PARTITION

INTERSECTION OF NON-RATED AT 2 HOUR RATED PARTITION - U.L. ASSEMBLY U425

INTERSECTION OF NON-RATED AT 2 HOUR RATED PARTITION - U.L. ASSEMBLY U438

INTERSECTION OF CONCRETE/MASONRY AT 1 HOUR RATED PARTITION



- 1/2" MAXIMUM GAP FOR CONTROL JOINT
- 30'-0" MAX. BETWEEN CONTROL JOINTS
- REFER TO PARTITION TYPES FOR COMPLETE DESCRIPTION OF COMPONENT PARTS

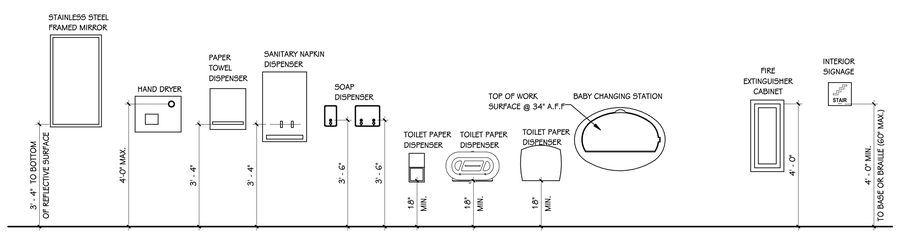
GYPSUM BOARD CONTROL JOINT NON-RATED PARTITION

GYPSUM BOARD CONTROL JOINT 1 HOUR RATED PARTITION

GYPSUM BOARD CONTROL JOINT 2 HOUR RATED PARTITION

FIRE RATED WALL PLAN DETAILS

SCALE: NONE



TYPICAL MOUNTING HEIGHTS

1/2" = 1'-0"

GENERAL NOTES - ARCHITECTURAL - PARTITIONS

1 NOT ALL WALL TYPES MAY BE USED ON PROJECT.

2 REFER TO CODE COMPLIANCE PLANS FOR LOCATIONS OF SMOKE AND FIRE-RATED PARTITIONS.

3 ALL PARTITIONS EXTEND TO BOTTOM OF STRUCTURE, UNLESS NOTED OTHERWISE.

4 LINE OF STRUCTURE/DECK AS SHOWN AT THE HEAD CONDITION OF EACH PARTITION TYPE IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS. TERMINATE RATED PARTITIONS AT UNDERSIDE OF STRUCTURAL DECK TO MAINTAIN RATING. PROVIDE APPROPRIATE FRAMING AND GYPSUM BOARD TO OFFSET AROUND STRUCTURE OR OTHER OBSTRUCTIONS, SUCH AS PIPING OR DUCTWORK.

5 PARTITIONS MAY TERMINATE AT STRUCTURAL MEMBERS WITH A RATING GREATER THAN OR EQUAL THE PARTITION, PROVIDED THAT RATING IS CONTINUOUS TO STRUCTURAL DECK ABOVE.

6 NON-RATED PARTITIONS THAT EXTEND TO STRUCTURE SHALL TERMINATE AT UNDERSIDE OF STRUCTURAL DECK TO MAINTAIN A CONTINUOUS PLANE OF GYPSUM BOARD AS A NOISE, SMOKE OR OTHER TYPE OF BARRIER.

7 ALL PARTITIONS EXTENDING TO STRUCTURE ABOVE SHALL TERMINATE WITH DEFLECTION TRACK - REFER TO INTERIOR PARTITION TYPE DETAIL ON THIS SHEET.

8 ALL GYPSUM BOARD PARTITIONS NOT EXTENDING TO THE STRUCTURE MUST BE BRACED.

9 UL DESIGN NUMBERS REFER TO THE FIRE RESISTANCE DIRECTORY; UNDERWRITERS LABORATORY, LATEST EDITION.

10 MISCELLANEOUS NON-RATED CHASES TO BE 5/8" GYPSUM BOARD ON 3 5/8" METAL STUD FRAMING AT 16" O.C., UNLESS NOTED OTHERWISE.

11 MISCELLANEOUS FURRING AROUND COLUMNS TO BE 5/8" GYPSUM BOARD ON 1 1/2" STUDS, UNLESS NOTED OTHERWISE.

12 FIRE-RATED PARTITIONS TO HAVE FIRE-STOPPING SEALANTS AT HEAD, SILL JUNCTURE WITH DISSIMILAR MATERIALS, ETC. AND AROUND ALL PENETRATIONS AND OPENINGS.

13 CONSTRUCT ALL PARTITIONS WITH SOUND ATTENUATION BATTS WITH THE FOLLOWING SOUND BATT THICKNESS: 2 1/2" OR LESS METAL STUD - 1 1/2" THICKNESS, 3 5/8" OR LARGER METAL STUD - 3" THICKNESS. UNLESS NOTED OTHERWISE.

PARTITION STUD KEY - METAL, CH, AND WOOD

METAL STUD/FURRING

DESIGNATION	SIZE
A	GYPSUM BOARD DIRECT APPLIED TO CMU
B	7/8"
C	1 1/2"
D	1 5/8"
E	2 1/2"
F	3 1/2"
G	3 5/8"
H	4
J	5 1/2"
K	6"
L	8"
M	10"
N	12"
P	OPEN
Q	OPEN

METAL STUD/FURRING

DESIGNATION	SIZE
R	2 1/2"
S	4"
T	6"

METAL STUD/FURRING

DESIGNATION	SIZE
U	2"x4"
V	2"x6"
W	2"x8"

PARTITION TYPE TAG (REFER TO FLOOR PLANS)

PARTITION TYPE NUMBER — STUD SIZE DESIGNATION — FIRE RATING, IF REQUIRED

GENERAL NOTES - ARCHITECTURAL - DEMOLITION

1 CONTRACTORS ARE REQUIRED TO INSPECT/REVIEW THE EXISTING BUILDING PRIOR TO RELATED DEMOLITION WORK. UNLESS NOTED OTHERWISE, REMOVAL OF ANY WALL, FLOOR OR CEILING INCLUDES ALL GENERAL MECHANICAL AND ELECTRICAL ITEMS WHICH ARE A PART OF, OR ATTACHED TO IT.

2 CONTRACTOR SHALL VERIFY ALL EXISTING JOB SITE CONDITIONS AND DIMENSIONS AND BE RESPONSIBLE FOR THE SAME ADVISE CONSTRUCTION MANAGER OF ANY AND ALL DISCREPANCIES.

3 PATCH FLOORS, WALLS AND CEILINGS DAMAGED DURING CONSTRUCTION AND DEMOLITION AS REQUIRED. FINISH TO MATCH EXISTING.

4 ACCOMMODATE NEW CONSTRUCTION IF NOT INDICATED.

5 PROTECT ALL EXISTING FINISHES THROUGHOUT PROJECT.

6 REFER TO DEMOLITION ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.

7 REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL PLANS FOR ADDITIONAL DEMOLITION NOTES.

8 SALVAGE ALL UNISTRUT AND PROTECT FOR RE-USE IN NEW CONSTRUCTION, IF REQUIRED.

9 AT LOCATIONS OF REMOVED WALLS, ALL ASSOCIATED ITEMS ATTACHED TO THE WALL ARE TO BE REMOVED. SUCH AS: DOORS, WINDOWS, FRAMES, MARKERBOARDS, TACKBOARDS, TACK STRIPS, ETC.

GENERAL NOTES - ARCHITECTURAL - NEW CONSTRUCTION

1 THE OWNER RESERVES THE RIGHT TO REMOVE ANY ITEM FROM THE PROJECT PRIOR TO COMMENCEMENT OF CONTRACTED DEMOLITION WORK.

2 ALL EXISTING CONDITIONS SHOULD BE FIELD VERIFIED BEFORE WORK BEGINS.

3 DIMENSIONS GIVEN ARE ACTUAL AND ARE TO THE FACE OF MASONRY UNITS OR TO THE FACE OF STUD FRAMING, UNLESS NOTED OTHERWISE.

4 DETAILS SHOWN ILLUSTRATE DESIGN INTENT, NOT ALL POSSIBLE CONDITIONS. FOR CONDITIONS NOT SHOWN, USE DETAILS CLOSEST TO CONDITION IN QUESTION.

5 EXTEND ALL INTERIOR WALL PARTITIONS FROM FLOOR TO STRUCTURE/DECK ABOVE UNLESS NOTED OR DETAILED OTHERWISE.

6 WITHIN BUILDING INTERIOR PROVIDE BULLNOSE BLOCK IN CMU WALL ASSEMBLIES AT ALL EXPOSED OUTSIDE CORNERS, INCLUDING WINDOW AND DOOR JAMBS, UNLESS NOTED OR DETAILED OTHERWISE. PROVIDE SQUARE CORNERS AT ALL LOCATIONS FINISHED WITH WALL TILE, REFER TO FINISH PLANS (1100 SHEETS) FOR LOCATIONS.

7 TOOTH-IN MASONRY AT NEW OPENINGS IN EXISTING WALLS.

8 TOOTH-IN NEW MASONRY INFILL INTO EXISTING OPENINGS AT ALL BULLNOSE BLOCK LOCATIONS.

9 STUD WALLS SPANNING OVER 12'-0" IN HEIGHT SHALL BE A MINIMUM OF 20 GAGE.

10 DOORS OPENINGS ARE TO BE 4" FROM CORNER OF ROOM, UNLESS NOTED OR DIMENSIONED OTHERWISE.

11 FIRESTOP ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES AND CONCEALED WALL SPACES AT CEILING, FLOOR AND ROOF LEVELS.

12 FIRESEAL ALL PENETRATIONS, SUCH AS, PIPES, DUCTS, CONDUITS, ETC. THROUGH FIRE AND/OR SMOKE RATED ASSEMBLIES.

13 FOR CONTROL JOINT (C.J.) LOCATIONS REFER TO EXTERIOR ELEVATIONS AND/OR FLOOR PLANS.

14 PAINT ALL ELECTRICAL PANEL COVERS AND ACCESS PANELS TO MATCH ADJACENT FINISHES. USING OIL-BASED PAINT, NOT LATEX WALL PAINT.

15 PROVIDE WOOD BLOCKING IN WALLS THAT REQUIRE WALL MOUNTED EQUIPMENT OR ACCESSORIES. COORDINATE WITH EQUIPMENT OR ACCESSORY MANUFACTURER.

16 PROVIDE ALL ASSOCIATED CURBS FOR ROOF TOP EQUIPMENT AND MECHANICAL ROOF TOP UNITS. LARGE VOIDS BELOW THE AIR HANDLING UNITS SHALL BE FILLED WITH INSULATION AS SPECIFIED FOR NOISE CONTROL.

17 ALL EXISTING ROOF TOP PENETRATIONS BEING REMOVED REQUIRE ROOF PATCHING TO MATCH EXISTING ADJACENT.

18 AT AREAS THAT REQUIRE DEMOLITION OF ADJACENT MATERIALS OR FINISHES FOR THE INSTALLATION OF NEW WORK, THE DISTURBED ITEMS (INTENDED TO BE E.T.R.) SHALL BE PATCHED OR RESTORED TO ORIGINAL CONDITION.

TYPICAL SYMBOLS AND REFERENCES

ROOM IDENTIFICATION TAG

ROOM
100
ROOM NUMBER

NOTE: ROOM NAMES AND NUMBERS ON PLANS ARE FOR CONSTRUCTION PURPOSES ONLY. COORDINATE WITH OWNER REGARDING PROPOSED NUMBERS FOR ALL SIGNAGE, SCHEDULE AND PANEL DESIGNATIONS.

DETAIL TITLE

DETAIL NUMBER
1
A
DETAIL TITLE
1" =
SHEET NUMBER

UNIT MATCHLINES

UNIT A
UNIT B

TYPICAL NOTATION SYMBOLS

DETAIL REFERENCE BUBBLE
DETAIL NUMBER
SHEET NUMBER

DETAIL REFERENCE BUBBLE
DETAIL NUMBER
SHEET NUMBER

EXTERIOR ELEVATION REFERENCE BUBBLE
ELEVATION LETTER
SHEET NUMBER

BUILDING SECTION REFERENCE BUBBLE
SECTION NUMBER
SHEET NUMBER

INTERIOR ELEVATION REFERENCE BUBBLE
ELEVATION NUMBER
SHEET NUMBER

ELEVATION AND SECTION REFERENCE SYMBOLS

ELEVATION TAG - EXISTING
FINISH FLOOR ELEVATION — ELEVATION TAG FOR EXTERIOR ELEVATIONS AND BUILDING SECTIONS
100'- — ELEVATION TAG FOR FLOOR PLANS AND REFLECTED CEILING PLANS

ELEVATION TAG - NEW
FINISH FLOOR ELEVATION — ELEVATION TAG FOR EXTERIOR ELEVATIONS AND BUILDING SECTIONS
100'- — ELEVATION TAG FOR FLOOR PLANS AND REFLECTED CEILING PLANS

WORKING POINT LAYOUT TAG

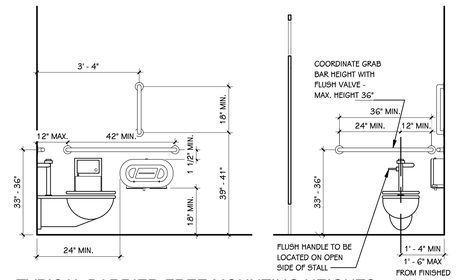
100'-0" ; — DISTANCE IN THE "Y" DIRECTION FROM THE "X" BASE LINE
DISTANCE IN THE "X" DIRECTION FROM THE "Y" BASE LINE

BORROWED LIGHT AND DOOR IDENTIFICATION

SHEET NUMBER
ELEVATION NUMBER
DOOR NUMBER - CORRESPONDS TO THE ROOM NUMBER
A101
LETTER DESIGNATES MORE THAN ONE IN ROOM

SYMBOLS

BARRIER-FREE
B — REVISION IDENTIFIER (ADDENDUM AND BULLETIN)
1 — COLUMN BUBBLE AND LINE

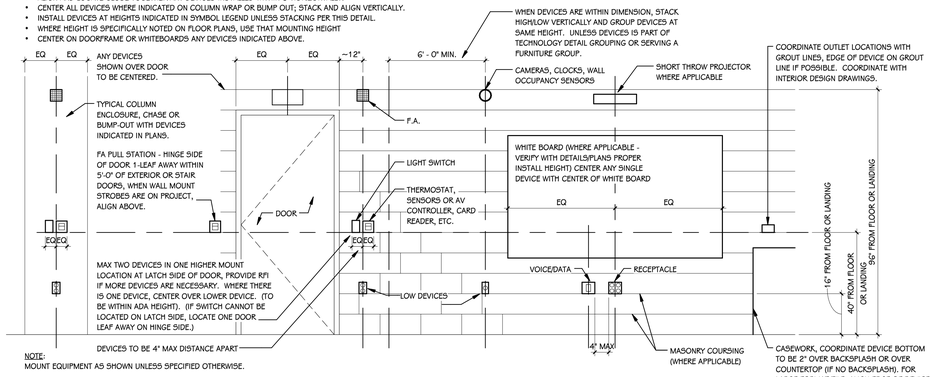


TYPICAL BARRIER-FREE MOUNTING HEIGHTS

1/2" = 1'-0"

ALIGNMENT NOTES

- ALIGN AND LOCATE CLOSE TOGETHER ANY DEVICES INSTALLED WITHIN 6' HORIZONTALLY.
- CENTER ALL DEVICES WHERE INDICATED ON COLUMN WRAP OR BUMP OUT; STACK AND ALIGN VERTICALLY.
- INSTALL DEVICES AT HEIGHTS INDICATED IN SYMBOL LEGEND UNLESS STACKING PER THIS DETAIL.
- WHERE HEIGHT IS SPECIFICALLY NOTED ON FLOOR PLANS, USE THAT MOUNTING HEIGHT
- CENTER ON DOORFRAME OR WHITEBOARDS ANY DEVICES INDICATED ABOVE.



NOTE:
MOUNT EQUIPMENT AS SHOWN UNLESS SPECIFIED OTHERWISE.

DEVICE ALIGNMENT GUIDELINES

SCALE: NONE

LIST OF ABBREVIATIONS

ACP	ACOUSTICAL PANEL CEILING
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
ANOD	ANODIZED
CFMF	COLD FORMED METAL FRAMING
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
DCMU	DECORATIVE CONCRETE MASONRY UNIT
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FRT	FIRE RESISTANT TREATED
FV	FIELD VERIFY
GYP BD	GYPSUM BOARD
HM	HOLLOW METAL
LVL	LAMINATED VENEER LUMBER
MCM	METAL COMPOSITE MATERIAL WALL PANEL
OC	ON CENTER
PT	PRESERVATIVE TREATED
PNT	PAINT
SS	STAINLESS STEEL
SSM	SOLID SURFACE MATERIAL
TYP	TYPICAL
VIF	VERIFY IN FIELD
WD	WOOD

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KYLE A. WILSON REGISTERED NO. AR11900004 STATE OF INDIANA ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

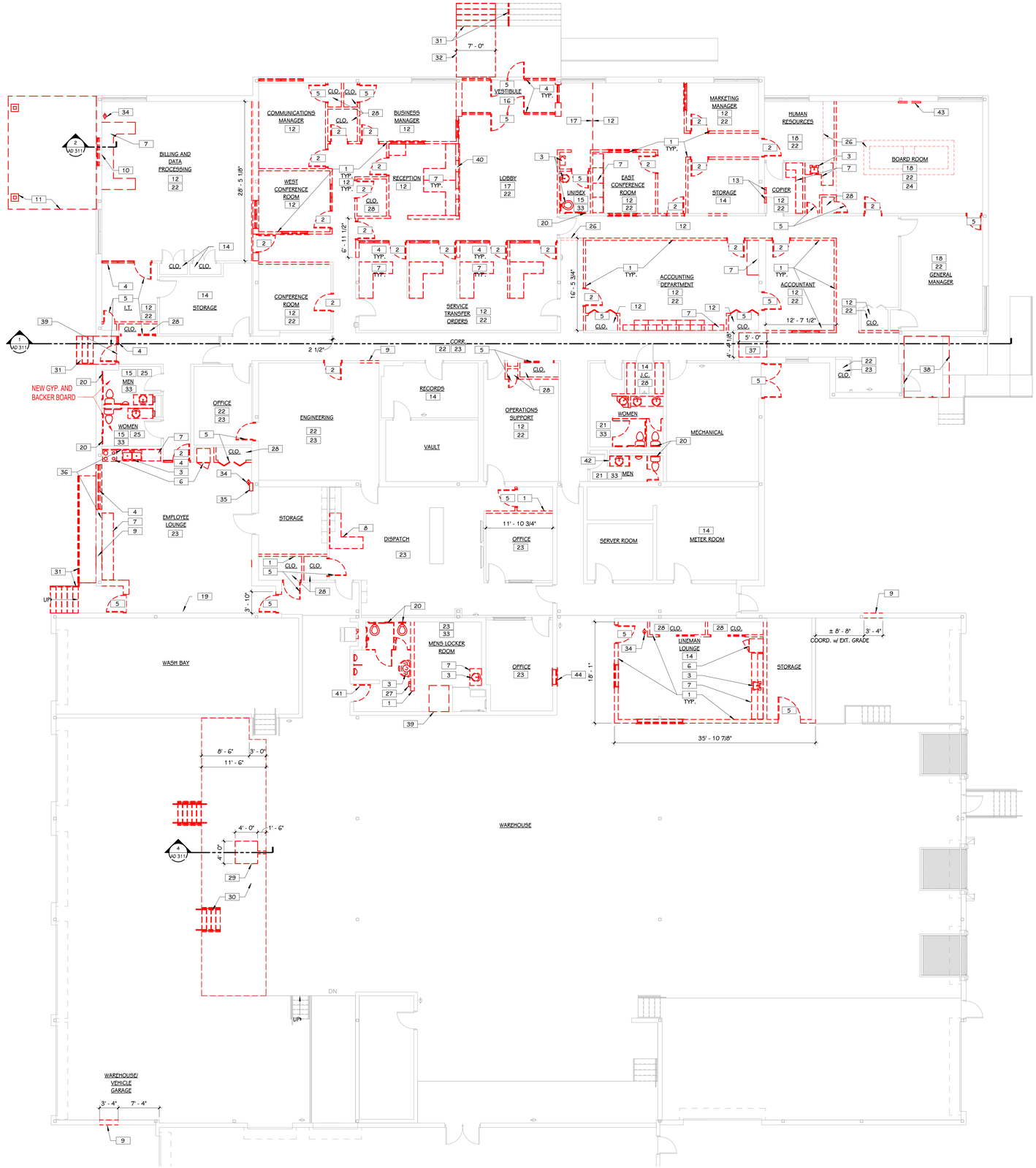
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

SHEET TITLE
GENERAL ARCHITECTURAL NOTES, INTERIOR PARTITION TYPES AND DEVICE ALIGNMENT GUIDELINES

DATE
April 24, 2025

SHEET NUMBER
AG 001
24179.00



FIRST FLOOR DEMOLITION - BUILDING 1

1/8" = 1'-0"

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KEYED NOTES - ARCHITECTURAL - DEMOLITION

1 REMOVE AND DISCARD ENTIRE WALL ASSEMBLY INCLUDING FINISHES, FRAMING, AND ASSOCIATED MEP SYSTEMS

2 REMOVE AND DISCARD DOOR FRAME; RETAIN DOOR PANEL AND HARDWARE

3 REMOVE AND DISCARD EXISTING PLUMBING FIXTURES

4 REMOVE AND DISCARD STOREFRONT SYSTEM

5 REMOVE AND DISCARD DOOR FRAME , PANEL, AND HARDWARE

6 SALVAGE EXISTING APPLIANCES AND RETURN TO OWNER.

7 COMPLETELY REMOVE CASEWORK (BASE CABINETS, TALL CABINETS, AND/OR WALL CABINETS AS APPLICABLE). PREP FOR NEW CONSTRUCTION.

8 PARTIALLY REMOVE AND DISCARD EXISTING CASEWORK; SEE ENLARGED DEMOLITION DETAIL

9 PROVIDE ROUGH OPENING FOR NEW DOOR; SEE DOOR SCHEDULE

10 REMOVE AND DISCARD EXISTING DRIVE THRU WINDOW AND WALL BENEATH; SEE SECTION DETAIL

11 REMOVE AND DISCARD EXISTING DRIVE THRU CANOPY AND FRAMING COMPLETE

12 COMPLETELY REMOVE MODULAR CARPET TILE, MASTIC, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FINISHES.

13 REMOVE AND RETAIN MAIL ORGANIZERS

14 COMPLETELY REMOVE VCT, MASTIC, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES

15 COMPLETELY REMOVE MOSAIC TILE FLOORING, MORTAR BED, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.

16 COMPLETELY REMOVE EXISTING CARPET TILE INSET, MASTIC, AND PORCELAIN TILE. INFILL RECESS WITH SELF LEVELING COMPOUND. PREP FOR NEW FINISHES.

17 COMPLETELY REMOVE PORCELAIN TILE FLOOR, BASE AND MORTAR BED. PREP FOR NEW FINISHES.

18 COMPLETELY REMOVE BROADLOOM CARPET, MASTIC AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.

19 CAREFULLY REMOVE EXISTING WALL MOUNTED TELEVISION. SEE ARCHITECTURAL PLAN FOR REINSTALLATION. PREP FOR NEW WALL FINISHES. PATCH AND REPAIR WALL SURFACES.

20 EXISTING TOILET SEAT COVER DISPENSERS. REMOVE AND SALVAGE FOR REINSTALLATION.

21 COMPLETELY REMOVE VINYL TILE, MASTIC, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.

22 REMOVE VINYL WALLCOVERING AND ANY ADHESIVE RESIDUE FROM WALLS (AND BULKHEADS WHERE APPLICABLE.) PREP FOR NEW WALL FINISHES.

23 COMPLETELY REMOVE EPOXY FLOOR COATING. PREP FOR NEW FINISHES

24 REMOVE EXISTING WALL MOUNTED TRIM INCLUDING CHAIR RAIL, TV CABINET, AND CROWN MOLDING FROM ALL WALLS WITHIN ROOM. SKIM COAT WALL SURFACES. PREP FOR NEW FINISHES.

25 COMPLETELY REMOVE WALL TILE. REMOVE GYP. BD. BEHIND TILE. PREP FOR NEW FINISHES.

26 REMOVE BULKHEAD/SOFFIT ABOVE; SEE DEMO CEILING PLAN

27 REMOVE AND SALVAGE ELECTRIC HAND DRYER

28 REMOVE AND DISCARD EXISTING SHELVING, CLOSET RODS, SUPPORTS, AND ALL HARDWARE. PREP FOR NEW FINISHES.

29 REMOVE AND DISCARD EXISTING IN-FLOOR SCALE

30 REMOVE AND DISCARD CONCRETE SLAB, ASSOCIATED RETAINING WALL AND STAIRS; SEE SECTION DETAIL

31 REMOVE AND DISCARD EXISTING STAIR/RAMP AND ASSOCIATED GUARDRAIL/HANDRAIL

32 REMOVE AND DISCARD PORTION OF EXISTING EXTERIOR CONCRETE SLAB

33 REMOVE ALL TOILET ACCESSORIES WITHIN ENTIRE ROOM. PREP FOR NEW CONSTRUCTION

34 REMOVE AND SALVAGE FIRE EXTINGUISHER

35 REMOVE AND SALVAGE AED

36 REMOVE CERAMIC TILE BACKSPLASH. PREP FOR NEW CONSTRUCTION

37 SAW CUT AND REMOVE SECTION OF SLAB ON GRADE WITH DIFFERENTIAL SETTLEMENT

38 REMOVE AND DISCARD EXISTING METAL CANOPY AND ASSOCIATED COLUMN

39 TEMPORARY CLOSURE OF EXIT WILL BE REQUIRED DURING CONSTRUCTION OF ADDITION. PROVIDE TEMPORARY SIGNAGE TO REDIRECT EGRESS THROUGH EMPLOYEE LOUNGE TO WAREHOUSE.

40 REMOVE PARTIAL HEIGHT WALL AND STONE VENEER

41 REMOVE AND DISCARD DOOR PANEL; EXISTING FRAME TO REMAIN

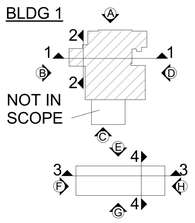
42 COMPLETELY REMOVE PORTION OF FRP. PREP FOR NEW FINISHES.

43 REMOVE AND SALVAGE DRY ERASE BOARD. RETURN TO OWNER.

44 REMOVE AND DISCARD WINDOW; INFILL EXISTING WALL

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN

SCALE: NO SCALE

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PROJECT TITLE
HARRISON REMC - ADDITION & RENOVATION

OWNER
HARRISON REMC

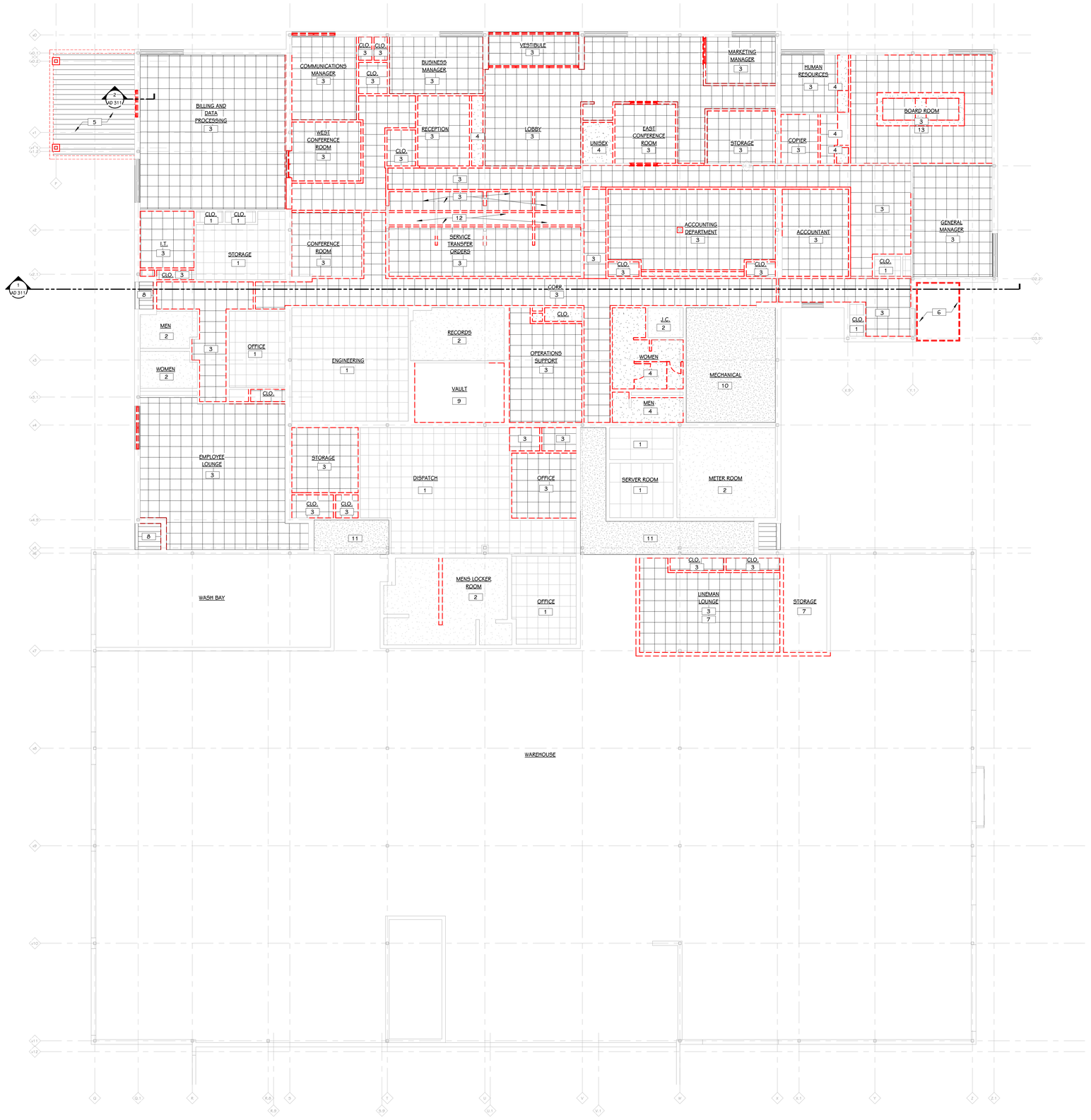
1165 OLD FOREST RD, CORYDON, IN 47112

SHEET TITLE
FIRST FLOOR DEMOLITION PLAN

DATE
April 24, 2025

SHEET NUMBER
AD 101

24179.00



OVERALL FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN
1/8" = 1'-0"

GENERAL NOTES - REFLECTED CEILINGS - DEMOLITION

1 ALL ACOUSTICAL CEILING TILES THAT ARE REMOVED ARE TO BE RETAINED AND PROTECTED DURING CONSTRUCTION. TILES DEEMED IN GOOD CONDITION WILL BE RE-USED IN AREAS WHERE THE CEILING IS MARKED TO REMAIN.

2 IN AREAS WHERE CEILING TILES AND GRID ARE MARKED TO REMAIN, CAREFULLY REMOVE ACOUSTICAL CEILING TILES AND GRID AS NEEDED TO FACILITATE INSTALLATION OF THE SPRINKLER SYSTEM. RETAIN AND PROTECT REMOVED TILES AND GRID DURING CONSTRUCTION AND RE-INSTALL IN EXISTING LOCATION IF IN GOOD CONDITION.

3 IN AREAS WHERE GYPSUM BOARD CEILING IS MARKED TO REMAIN, CUT AND REMOVE SECTIONS OF CEILING ONLY AS NEEDED TO FACILITATE INSTALLATION OF THE SPRINKLER SYSTEM. INSTALL NEW GYPSUM BOARD, PATCH AND REPAINT CEILING AS NOTED ON INTERIOR FINISH PLANS.

KEYED NOTES - REFLECTED CEILINGS - DEMOLITION

1 EXISTING CEILING TILE AND GRID TO REMAIN

2 EXISTING GYPSUM CEILING TO REMAIN

3 REMOVE AND DISCARD CEILING GRID; REMOVE AND RETAIN CEILING TILES IN GOOD CONDITION (WITHOUT STAINS, DISCOLORATION, OR DAMAGE), DISCARD OTHERS

4 REMOVE AND DISCARD GYP BOARD CEILING AND FRAMING COMPLETE

5 REMOVE AND DISCARD EXISTING DRIVE THRU CANOPY AND FRAMING COMPLETE

6 REMOVE AND DISCARD EXISTING METAL CANOPY AND FRAMING

7 REMOVE AND DISCARD CEILING JOISTS AND OSB PANELS ABOVE CMU

8 REMOVE AND DISCARD EXTERIOR SOFFIT

9 EXISTING PRECAST CONCRETE PLANK CEILING TO REMAIN; DRILL OPENINGS FOR SPRINKLER HEADS AS NEEDED

10 EXISTING PLASTER CEILING TO REMAIN

11 REMOVE AND DISCARD PLASTER CEILING COMPLETE

12 REMOVE AND DISCARD GYP BOARD BULKHEAD AND FRAMING COMPLETE

13 COMPLETELY REMOVE GYP. BD. TRAY CEILING AND ALL ASSOCIATED FRAMING

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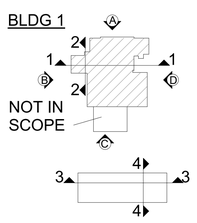
HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
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PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

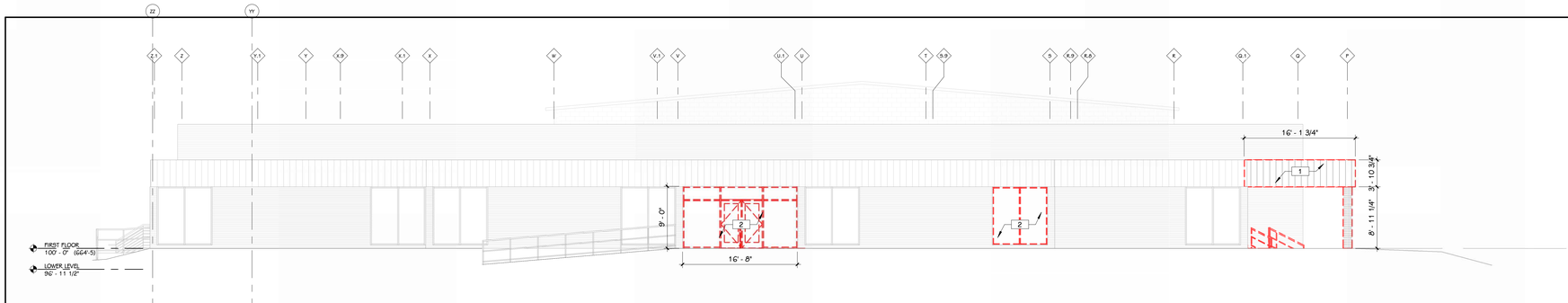
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

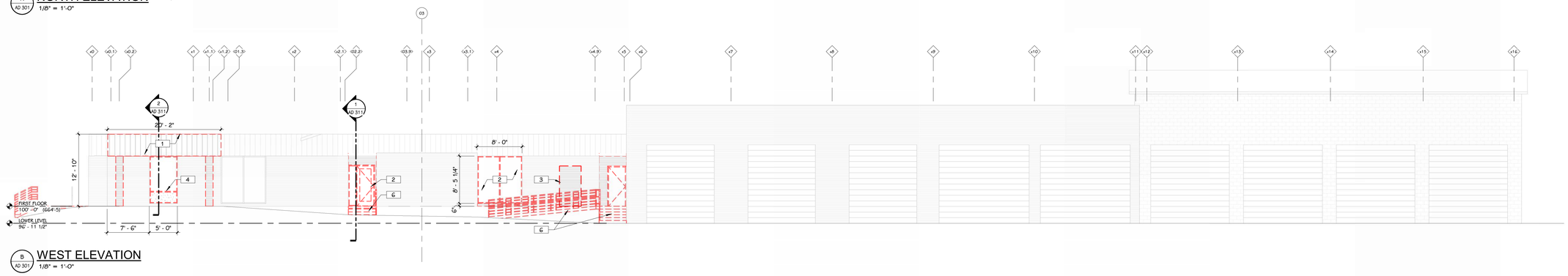
SHEET TITLE
FIRST FLOOR DEMOLITION CEILING PLAN

DATE
April 24, 2025

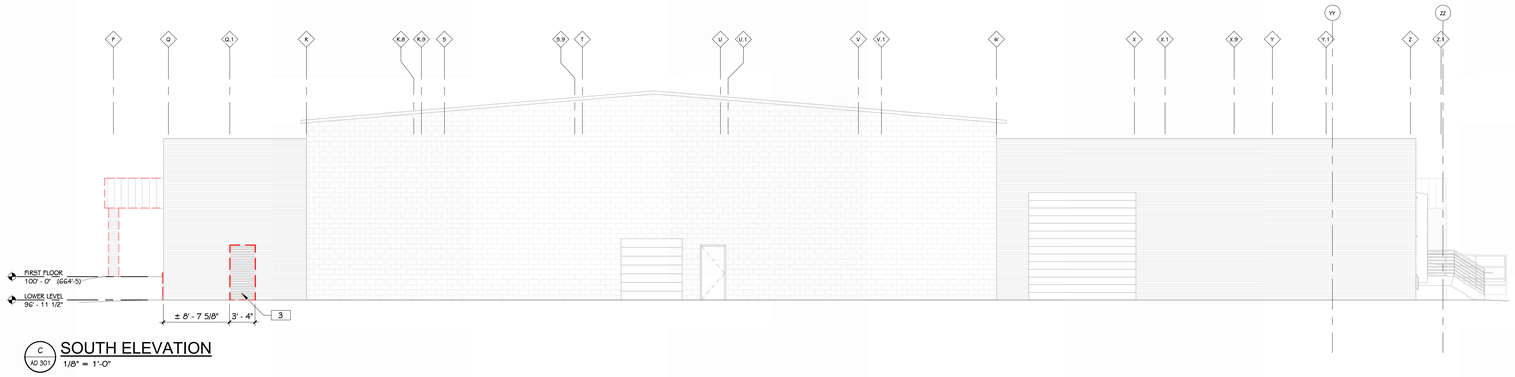
SHEET NUMBER
AD 201
24179.00



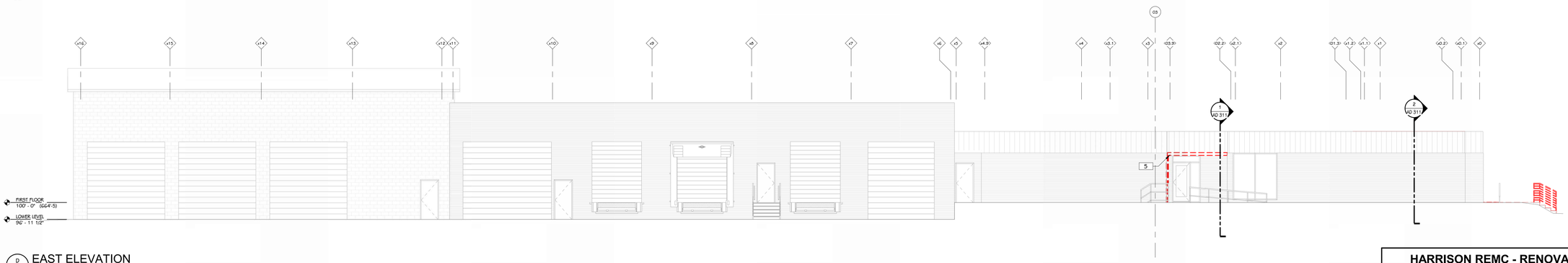
A AD 301 NORTH ELEVATION
1/8" = 1'-0"



B AD 301 WEST ELEVATION
1/8" = 1'-0"



C AD 301 SOUTH ELEVATION
1/8" = 1'-0"



D AD 301 EAST ELEVATION
1/8" = 1'-0"

KEYED NOTES - ELEVATION - DEMOLITION

1 REMOVE AND DISCARD EXISTING DRIVE THRU CANOPY AND FRAMING COMPLETE

2 REMOVE AND DISCARD STOREFRONT SYSTEM

3 PROVIDE ROUGH OPENING FOR NEW DOOR; SEE PROPOSED FLOOR PLAN DOOR SCHEDULE

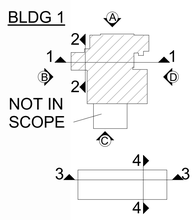
4 REMOVE AND DISCARD EXISTING DRIVE THRU WINDOW; SEE SECTION DETAIL

5 REMOVE AND DISCARD EXISTING METAL CANOPY AND FRAMING

6 REMOVE AND DISCARD CONCRETE STAIRS, RAMP, AND ASSOCIATED RAILINGS

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

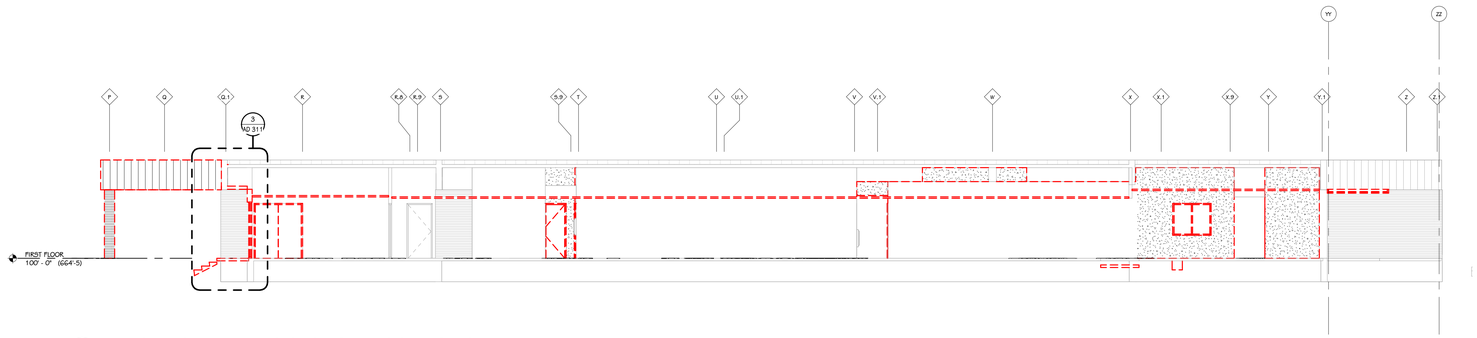
OWNER
HARRISON REMC

1165 OLD FOREST
RD, CORYDON, IN
47112

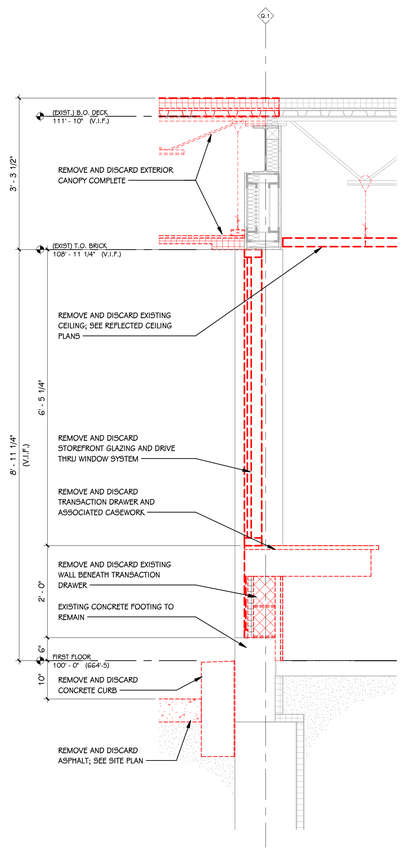
SHEET TITLE
EXTERIOR DEMOLITION ELEVATIONS

DATE
April 24, 2025

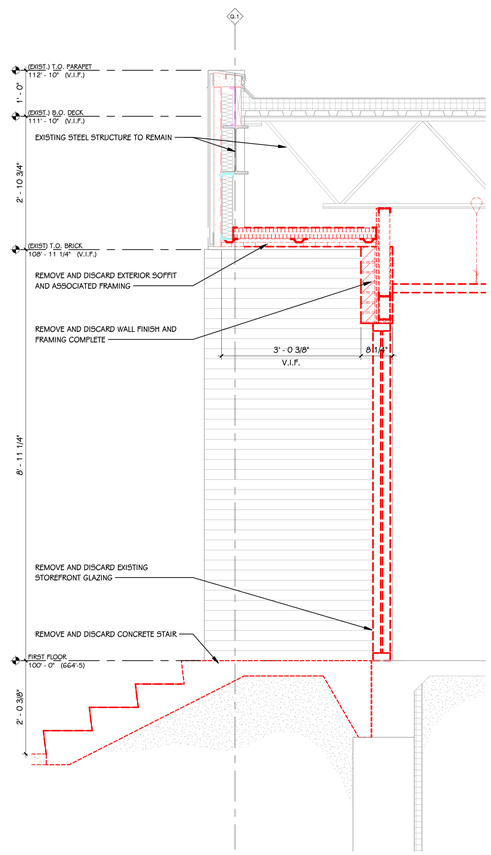
SHEET NUMBER
AD 301
24179.00



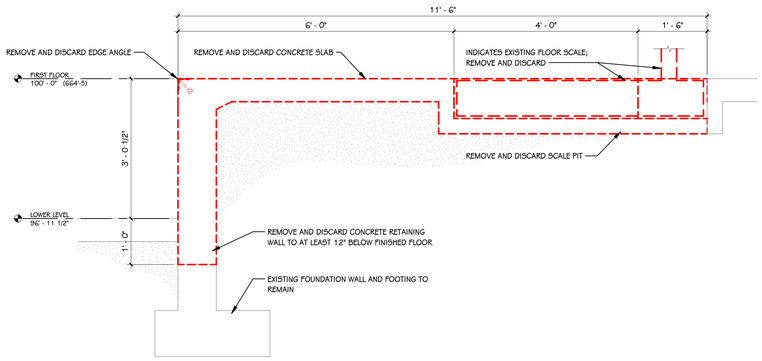
1 AD 311 DEMOLITION BUILDING SECTION - LOOKING NORTH
1/8" = 1'-0"



2 AD 311 WALL DEMOLITION SECTION
3/4" = 1'-0"



3 AD 311 WALL DEMOLITION SECTION
3/4" = 1'-0"



4 AD 311 DEMOLITION SECTION DETAIL
3/4" = 1'-0"

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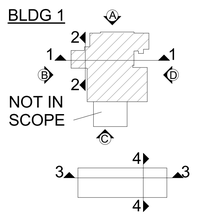
HARRISON REMC - RENOVATION



KEY PLAN
SCALE: NO SCALE

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PROJECT TITLE
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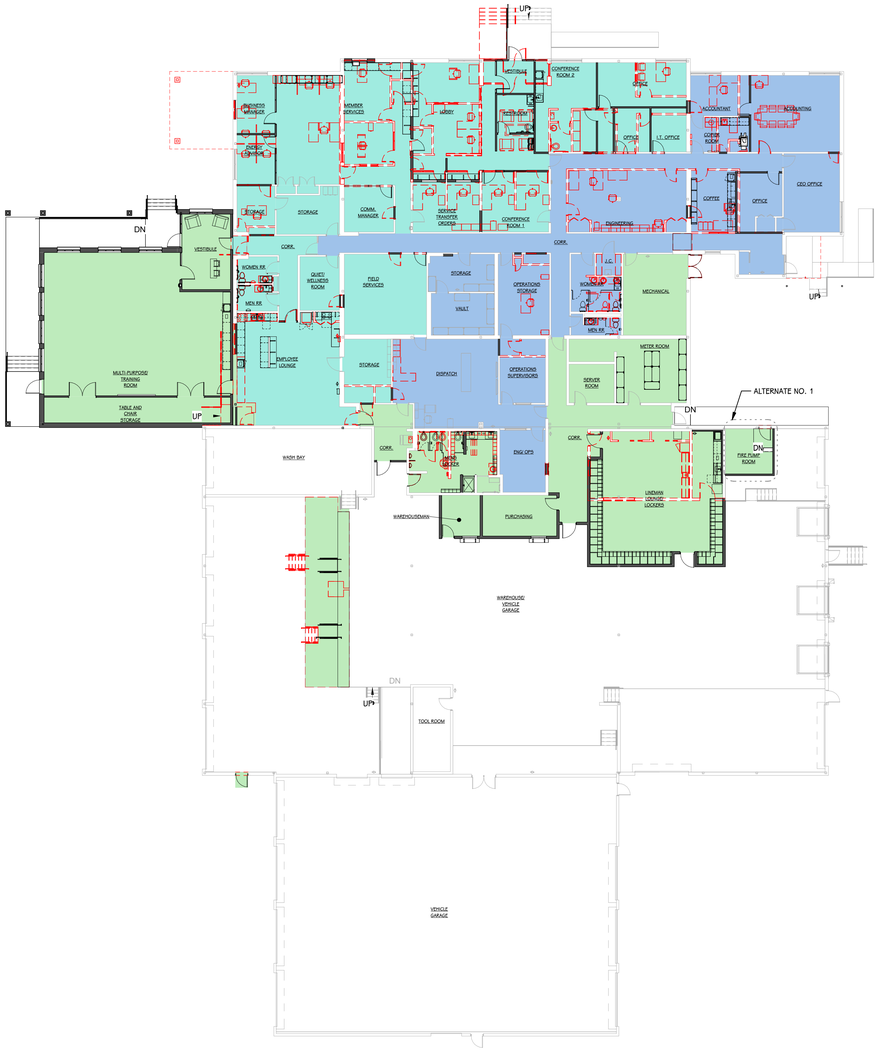
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

SHEET TITLE
BUILDING & WALL DEMOLITION SECTIONS

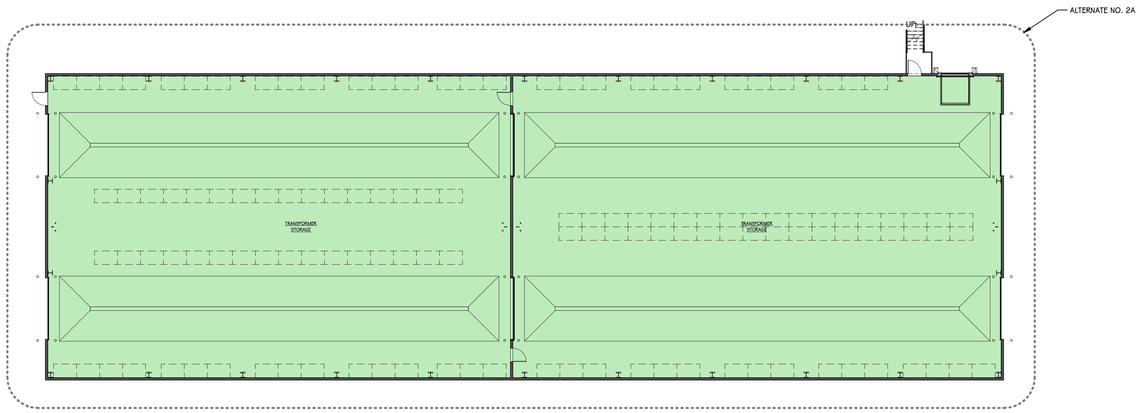
DATE
April 24, 2025

SHEET NUMBER
AD 311
24179.00



Construction Phase

- Not in Scope
- Phase 1
- Phase 2
- Phase 3



OVERALL PHASING PLAN
1/16" = 1'-0"

PHASING PLAN GENERAL NOTES

1 PHASING PLAN IS SCHEMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE G.C. TO COORDINATE THE CONSTRUCTION SCHEDULE.

2 THE OFFICES ARE TO REMAIN FUNCTIONAL DURING CONSTRUCTION. G.C. WILL COORDINATE RELOCATION OF WORKERS WITH THE OWNER BEFORE AND DURING EACH PHASE OF CONSTRUCTION.

3 CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING TEMPORARY BARRIERS TO PROTECT INHABITANTS FROM CONSTRUCTION DEBRIS AND PREVENT INHABITANTS FROM ENTERING AREAS OF ACTIVE CONSTRUCTION AND RENOVATION THAT PRESENT POTENTIALLY HARMFUL CONDITIONS.

4 CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXITS IN ACCORDANCE WITH REQUIREMENTS OF CONSTRUCTION DOCUMENTS, VARIANCES, AND STATE FIRE MARSHAL THROUGHOUT THE PROJECT. THIS INCLUDES KEEPING ALL CONSTRUCTION MATERIALS AND DEBRIS FROM THESE, AS WELL AS, EXITS AND EXIT PATHWAYS.

DESCRIPTION OF WORK

PHASE 1: CONDUCT ALL SITE DEMOLITION, RE-GRADING, AND ALL NECESSARY SITE WORK IN PREPERATION FOR NEW ADDITION AND NEW STORAGE BUILDING. OWNER TO COORDINATE REMOVAL OF STORAGE ITEMS FROM ABOVE EXISTING LINEMAN LOUNGE. DEMOLISH EXISTING LINEMAN LOUNGE AS NOTED ON DEMOLITION PLAN. POUR NEW FOUNDATIONS AND FOOTINGS. INSTALL NEW STRUCTURAL FRAMING. INFILL OPENINGS IN EXISTING EXTERIOR WALL AND FLOOR SLAB ADJACENT TO NEW BUILDING ADDITION. COMPLETE EXTERIOR AND INTERIOR FINISHES FOR NEW BUILDING ADDITION AND NEW TRANSFORMER STORAGE BUILDING. INSTALL ALL NEW WALLS, DOORS, WINDOWS, PLUMBING FIXTURES, CASEWORK, AND FINISHES IN SELECTED ROOMS

PHASE 2: COORDINATE RELOCATION OF ALL OFFICES IN PHASE WITH OWNER. COMPLETE ALL DEMOLITION IN PHASE. COMPLETE ALL MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL WORK IN PHASE. INSTALL NEW WALLS, DOORS, WINDOWS, PLUMBING, FIXTURES, CASEWORK, AND FINISHES IN SELECTED ROOMS AS SHOWN ON PLAN. INSTALL NEW DRIVE THRU WINDOW AT NEW MEMBER SERVICES AREA.

PHASE 3: COORDINATE RELOCATION OF ALL OFFICES IN PHASE WITH OWNER. COMPLETE ALL DEMOLITION IN PHASE. COMPLETE ALL MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL WORK IN PHASE. INSTALL NEW WALLS, DOORS, WINDOWS, PLUMBING, FIXTURES, CASEWORK, AND FINISHES IN SELECTED ROOMS AS SHOWN ON PLAN.

KEY - PHASING PLAN

- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- NEW CONSTRUCTION

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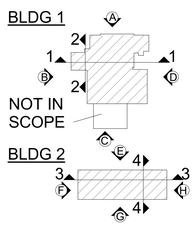
HARRISON REMC - RENOVATION



KEY PLAN
SCALE: NO SCALE

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SHEET TITLE
PHASING PLAN

DATE
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SHEET NUMBER
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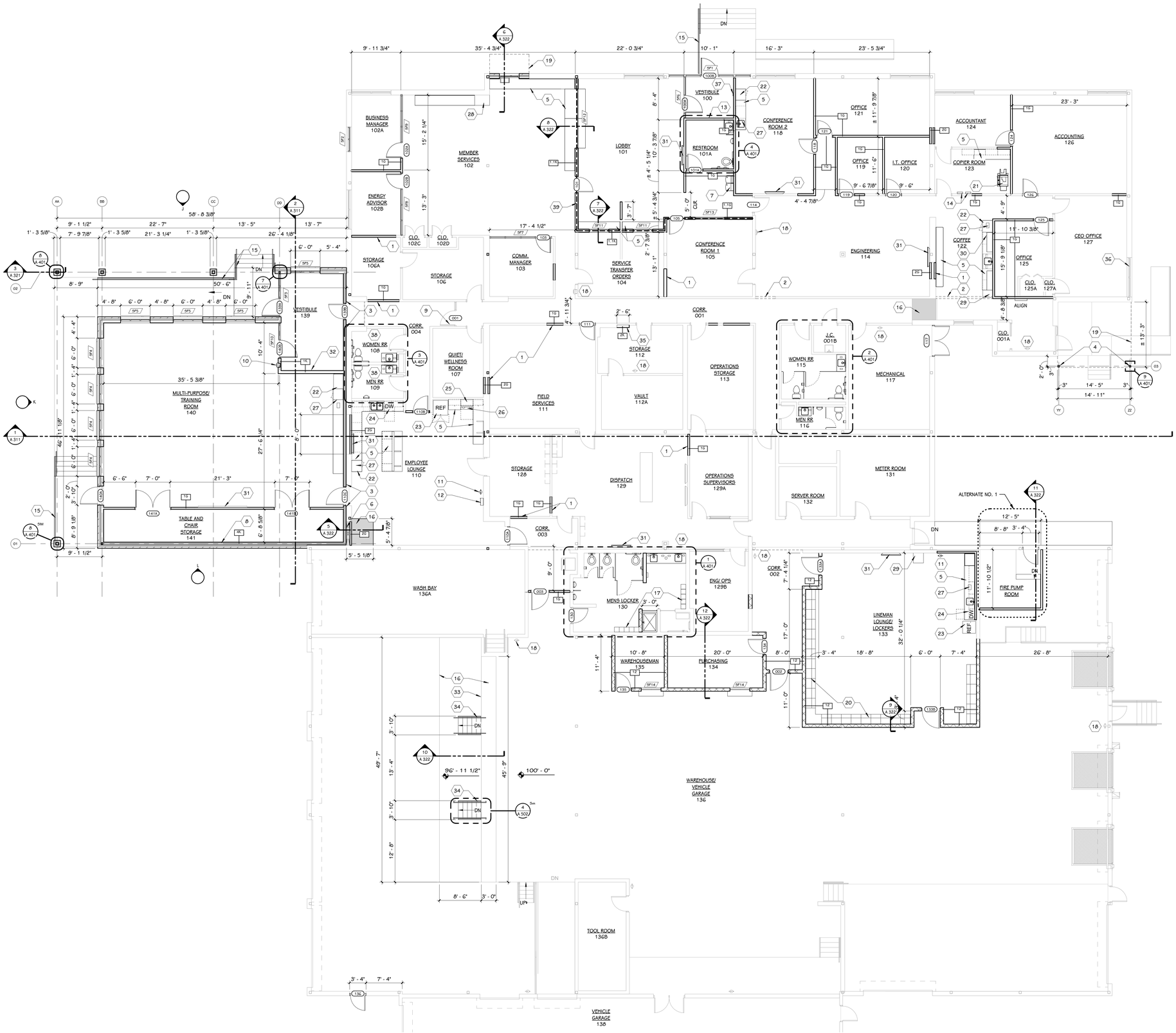

FIRST FLOOR PLAN - BUILDING 1

1/8" = 1'-0"

KEY - FLOOR PLAN

ROOM NAME
1001 — ROOM NAME / ROOM NUMBER

XX/XXX — DOOR TAG; SEE DOOR SCHEDULE

XXX — CURTAINWALL/STOREFRONT TAG; SEE FRAME ELEVATIONS

W — WALL ASSEMBLY TYPE

1Y — FIRE RATING (IN MINUTES)

KEYED NOTES - ARCHITECTURAL - CONSTRUCTION

1 NEW INFILL WALL AS SCHEDULED

2 INDICATES BULKHEAD/SOFFIT ABOVE

3 PROVIDE EXPANSION JOINT AND COVER BETWEEN EXISTING BUILDING AND ADDITION

4 NEW METAL POST FOR MAPES CANOPY AS SPECIFIED BY VENDOR; PROVIDE NEW CONCRETE FOOTING; SEE STRUCTURAL

5 NEW CASEWORK / COUNTERTOP; SEE INTERIOR ELEVATIONS

6 SERVICE CHASE FOR MECHANICAL, ELECTRICAL, AND PLUMBING SERVICE TO NEW ADDITION

7 NEW HI-LO WATER DRINKING FOUNTAIN AND BOTTLE FILLER; PROVIDE PRT BLOCKING IN WALL AS REQUIRED

8 STRUCTURAL METAL STUD FRAMED LOAD-BEARING WALL; SEE STRUCTURAL

9 PROVIDE ACCESS CONTROL TO EXISTING DOOR AS SPECIFIED BY SECURITY CONSULTANT

10 INSTALL NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET

11 RE-INSTALL EXISTING FIRE EXTINGUISHER IN NEW LOCATION

12 RE-INSTALL EXISTING AED CABINET IN NEW LOCATION

13 RE-INSTALL EXISTING DECORATVIE PLAQUES IN VESTIBULE; CENTERED HORIZONTALLY ON THE WALL

14 RE-INSTALL EXISTING MAIL ORGANIZER IN NEW LOCATION; COORDINATE FINAL LOCATION w/ OWNER

15 NEW EXTERIOR GUARDRAIL AND HANDRAIL; SEE TYPICAL DETAILS

16 POUR NEW CONCRETE SLAB AND DOWEL INTO EXISTING SLAB; SEE SECTION DETAIL AND STRUCTURAL DRAWINGS

17 3-TIER SOLID PLASTIC LOCKERS. SEE SPECIFICATION 10 5100.01

18 EXISTING FIRE EXTINGUISHER TO REMAIN

19 INDICATES PREFABRICATED METAL CANOPY ABOVE

20 METAL ATHLETIC LOCKERS. SEE SPECIFICATION 10 5100.01

21 COPIER. OFOI

22 UNDER-COUNTER REFRIGERATOR. OFOI. COORDINATE WITH CASEWORK AS REQUIRED

23 REFRIGERATOR. OFOI. COORDINATE WITH CASEWORK AS REQUIRED

24 DISHWASHER. OFOI. COORDINATE WITH CASEWORK AS REQUIRED

25 RANGE HOOD. OFOI. COORDINATE WITH CASEWORK AS REQUIRED

26 RANGE. OFOI. COORDINATE WITH CASEWORK AS REQUIRED

27 COFFEE MAKER. OFOI. COORDINATE WITH CASEWORK AS REQUIRED

28 FILING CABINET. OFOI. COORDINATE WITH CASEWORK AS REQUIRED

29 FREESTANDING WATER COOLER. OFOI. COORDINATE WITH CASEWORK AS REQUIRED

30 ICE MAKER. OFOI. COORDINATE WITH CASEWORK AS REQUIRED

31 WALL MOUNTED TV; CONTRACTOR TO PROVIDE WOOD BLOCKING; CONFIRM EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER. OFOI

32 NEW BRONZE DEDICATION PLAQUE

33 NEW CONCRETE RETAINING WALL

34 NEW STEEL STAIR, GUARDRAIL, AND HANDRAIL

35 FUR OUT NEW WALL TO ACCOMODATE NEW ELECTRICAL PANEL

36 PROVIDE TINT FILM AT WINDOW

37 REINSTALL PLAQUE ON EAST WALL OF VESTIBULE

38 INSTALL NEW TILE BACKER BOARD ON ALL WALLS

39 LINE INDICATES BULLET RESISTANT CONSTRUCTION; SEE WALL TYPES AND SECTIONS

HARRISON REMC - RENOVATION

BLDG 1

NOT IN SCOPE

KEY PLAN

SCALE: NO SCALE

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KYLE A. WILSON
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NO. AR11900004
STATE OF INDIANA
ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

SHEET TITLE
FIRST FLOOR PLAN - BUILDING 1

DATE
April 24, 2025

SHEET NUMBER
A101
24179.00

KEY - FLOOR PLAN

ROOM NAME
1001 — ROOM NAME / ROOM NUMBER

XXXX — DOOR TAG; SEE DOOR SCHEDULE

XXX — CURTAINWALL/STOREFRONT TAG; SEE FRAME ELEVATIONS

W — WALL ASSEMBLY TYPE
FIRE RATING (IN MINUTES)

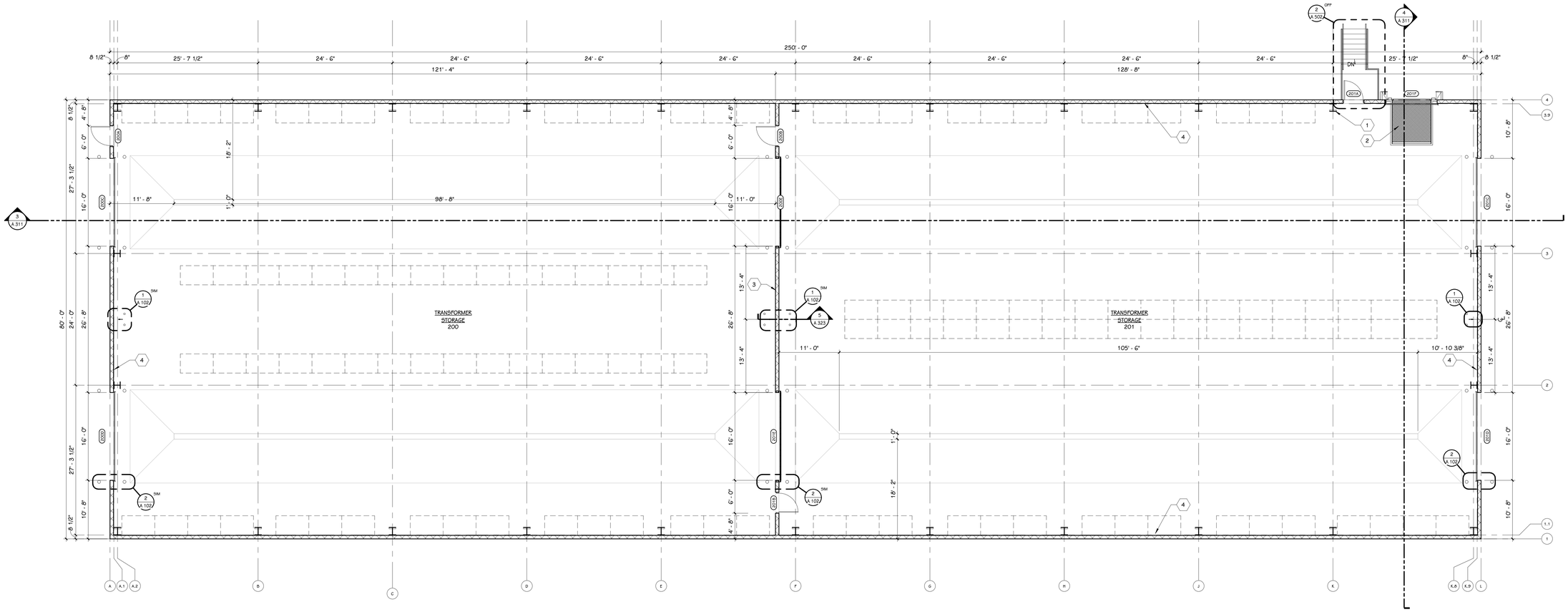
KEYED NOTES - ARCHITECTURAL - CONSTRUCTION

1 PRE-ENGINEERED METAL BUILDING FRAMING (BY PEMB CONTRACTOR); PRIME & PAINT AS SCHEDULED

2 DOCK LEVELER AS SPECIFIED; SEE WALL SECTION

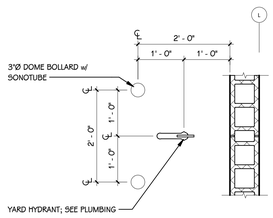
3 3 HOUR FIRE BARRIER; FIRE CAULK ALL PENETRATIONS; SEE WALL SECTIONS

ALTERNATE NO. 2B - INSTALL 26 GAUGE LINER PANELS TO INTERIOR FACE OF METAL BUILDING WALL GIRTS AT ALL EXTERIOR WALLS FROM TOP OF CMU TO BOTTOM OF ROOF PURLINS



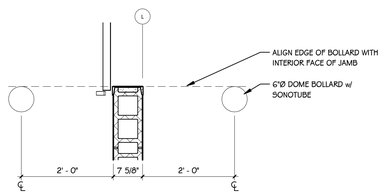
FIRST FLOOR PLAN - BUILDING 2 - ALTERNATE NO. 2A

1/8" = 1'-0"



YARD HYDRANT BOLLARD DETAIL

1 / A 102 — 3/4" = 1'-0"



BOLLARD PLAN DETAIL

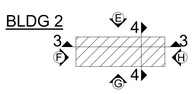
2 / A 102 — 3/4" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1

NOT IN SCOPE

BLDG 2



KEY PLAN

SCALE: NO SCALE

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PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

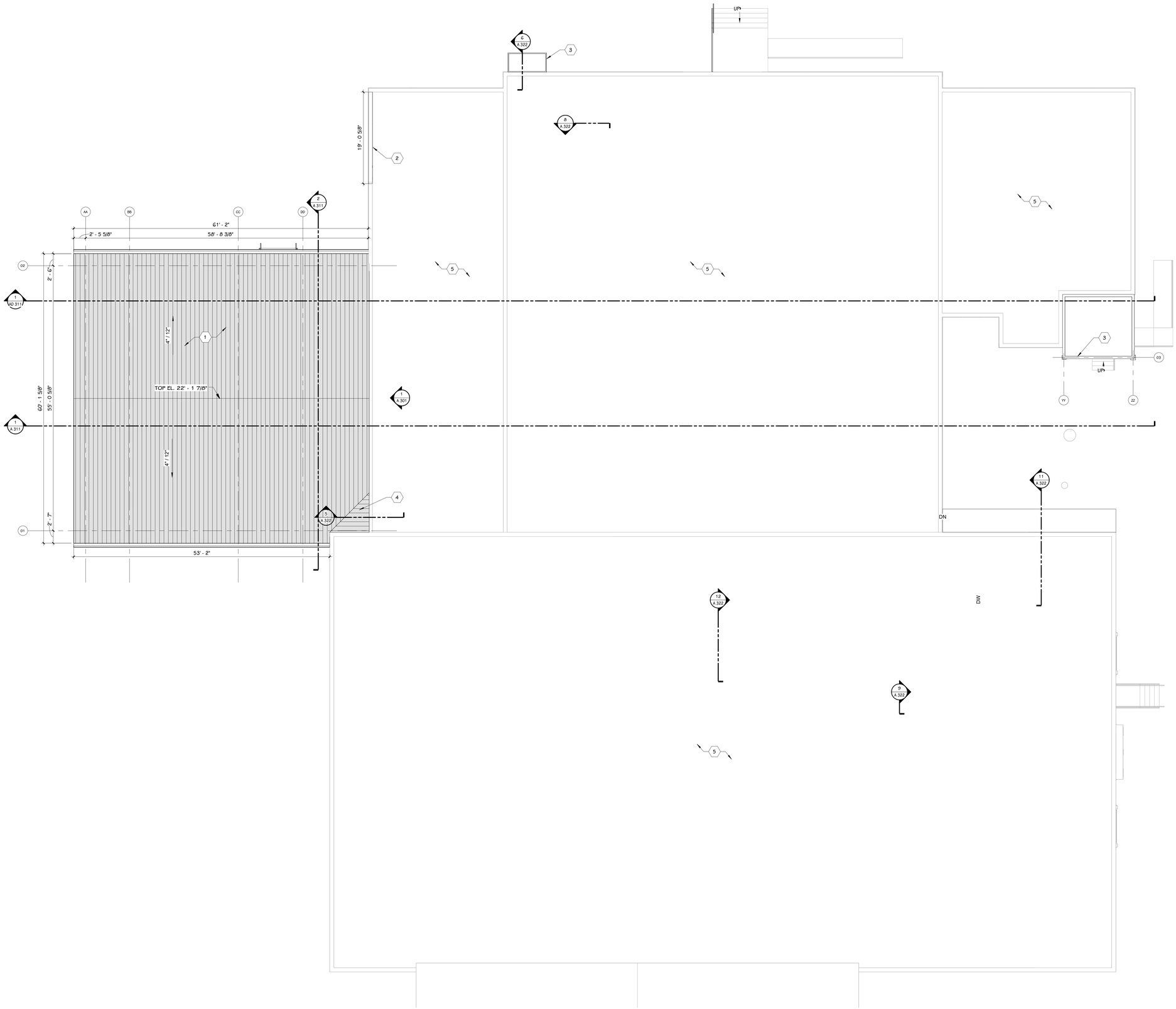
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

SHEET TITLE
FIRST FLOOR PLAN - BUILDING 2

DATE
April 24, 2025

SHEET NUMBER
A 102
24179.00



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

KEYED NOTES - ARCHITECTURAL - ROOF

1 NEW STANDING SEAM METAL ROOF; SEE FINISH SCHEDULE

2 INFILL PARAPET TO MATCH EXISTING

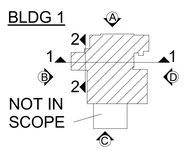
3 NEW MAPES CANOPY SYSTEM; SEE ENLARGED PLAN, SECTION, AND MANUFACTURER SPEC

4 OVERBUILD COLD FORMED STEEL TRUSS TO ALLOW ROOF TO DRAIN TOWARDS GUTTER

5 EXISTING ROOF; PROTECTU DURING CONSTRUCTION

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

OWNER
HARRISON REMC

1165 OLD FOREST
RD, CORYDON, IN
47112

SHEET TITLE
ROOF PLAN - BUILDING 1

DATE
April 24, 2025

SHEET NUMBER
A 103
24179.00

KEYED NOTES - ARCHITECTURAL - ROOF

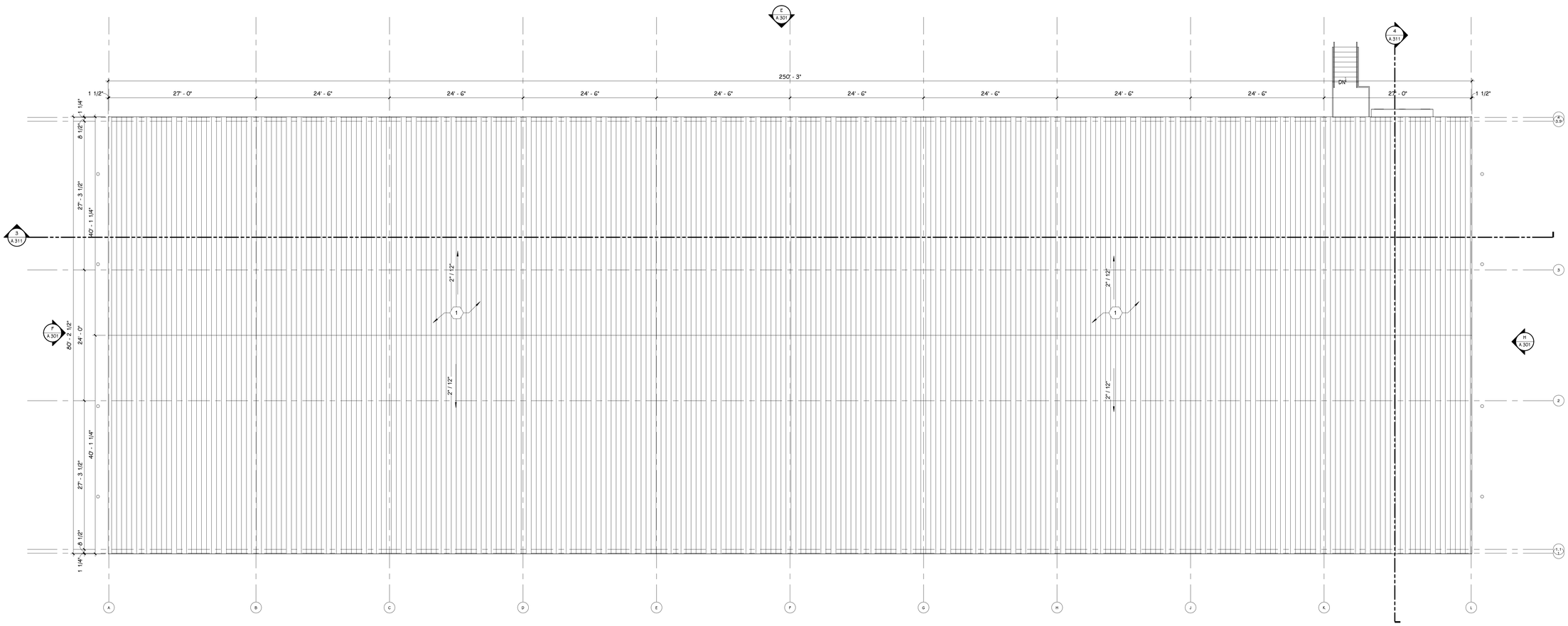
1 NEW STANDING SEAM METAL ROOF; SEE FINISH SCHEDULE

2 INFILL PARAPET TO MATCH EXISTING

3 NEW MAPES CANOPY SYSTEM; SEE ENLARGED PLAN, SECTION, AND MANUFACTURER SPEC

4 OVERBUILD COLD FORMED STEEL TRUSS TO ALLOW ROOF TO DRAIN TOWARDS GUTTER

5 EXISTING ROOF; PROTECTU DURING CONSTRUCTION



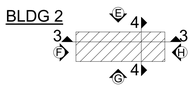
ROOF PLAN - BUILDING 2 - ALTERNATE NO. 2A
1/8" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1

NOT IN SCOPE

BLDG 2



KEY PLAN
SCALE: NO SCALE

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PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

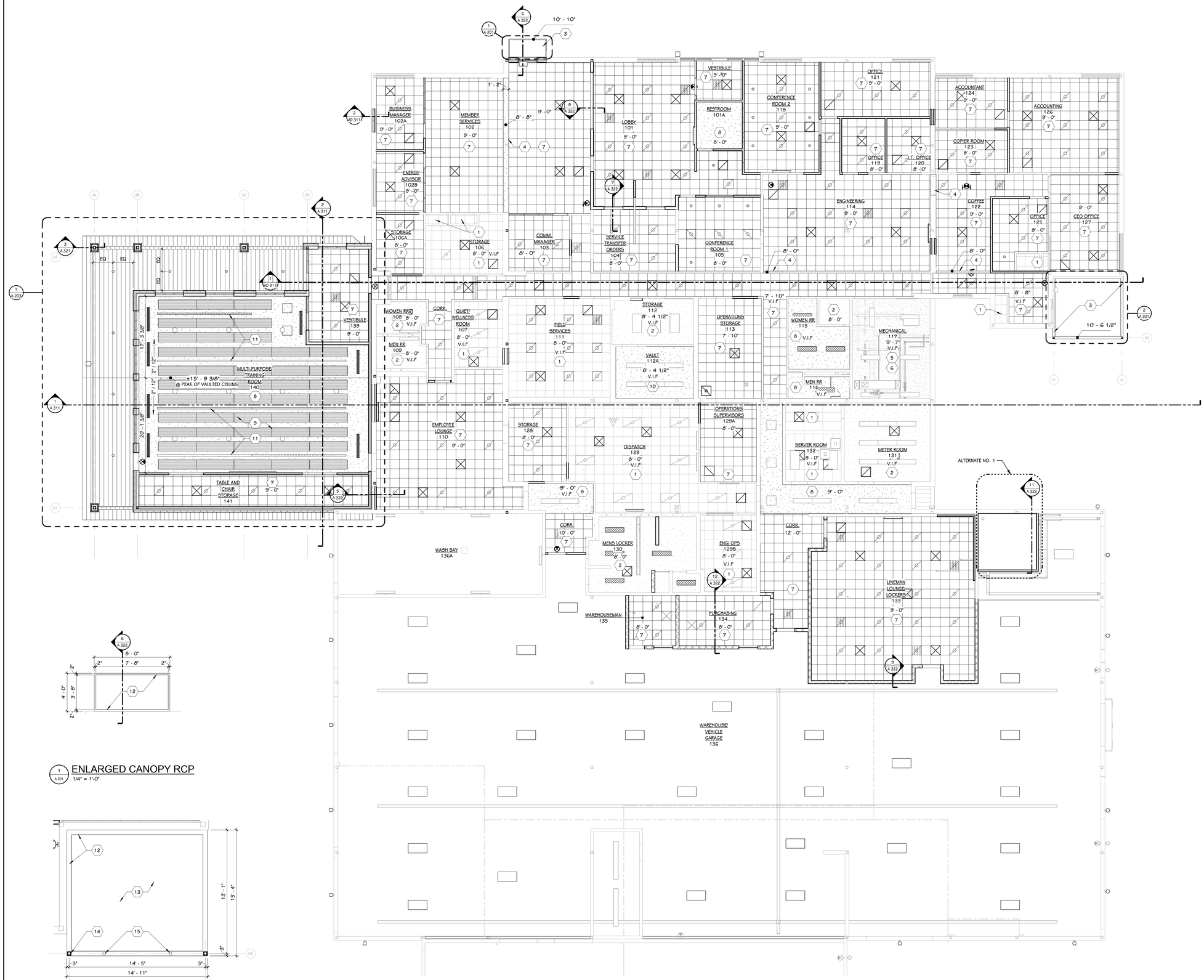
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

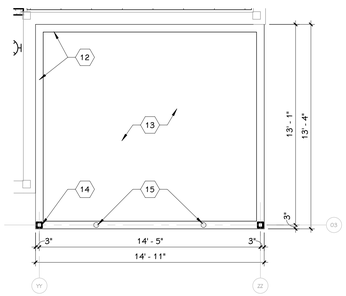
SHEET TITLE
ROOF PLAN - BUILDING 2

DATE
April 24, 2025

SHEET NUMBER
A104
24179.00



1 A 201 ENLARGED CANOPY RCP
1/4" = 1'-0"



2 A 201 ENLARGED CANOPY RCP
1/4" = 1'-0"

FIRST FLOOR REFLECTED CEILING PLAN - BUILDING 1
1/8" = 1'-0"

KEY - REFLECTED CEILING

- GYPSUM BOARD
- ACOUSTICAL LAY-IN CEILING SYSTEM
- OR — LIGHTING - REFER TO ELECTRICAL LIGHTING PLAN
- MECHANICAL - REFER TO MECHANICAL SHEET METAL PLAN

GENERAL NOTES - REFLECTED CEILINGS

1. RE-USE EXISTING CEILING TILES DEEMED IN GOOD CONDITION WHENEVER POSSIBLE. PRIORITIZE AREAS WHERE EXISTING GRID IS TO REMAIN, THEN ACCESSORY STORAGE SPACES AND BACK OF HOUSE SPACES. ALL ACOUSTICAL CEILING TILES THAT ARE REMOVED ARE TO BE RETAINED AND PROTECTED DURING CONSTRUCTION. TILES DEEMED IN GOOD CONDITION WILL BE RE-USED IN AREAS WHERE THE CEILING IS MARKED TO REMAIN.
2. IN AREAS WHERE CEILING TILES AND GRID ARE MARKED TO REMAIN, CAREFULLY REMOVE ACOUSTICAL CEILING TILES AND GRID AS NEEDED TO FACILITATE INSTALLATION OF THE SPRINKLER SYSTEM. RETAIN AND PROTECT REMOVED TILES AND GRID DURING CONSTRUCTION AND RE-INSTALL IN EXISTING LOCATION IF IN GOOD CONDITION.
3. IN AREAS WHERE GYPSUM BOARD CEILING IS MARKED TO REMAIN, CUT AND REMOVE SECTIONS OF CEILING ONLY AS NEEDED TO FACILITATE INSTALLATION OF THE SPRINKLER SYSTEM. INSTALL NEW GYPSUM BOARD, PATCH AND REPAINT CEILING AS NOTED ON INTERIOR FINISH PLANS.
4. WHERE CEILING TILE IS LESS THAN 3" AT PERIMETER OF ROOM PROVIDE A CUT 2x4 TILE IN LIEU OF FULL 2x2 TILE AND SMALL PIECE OF TILE OR DOUBLE GRID - MATCH 2x2 FOR STYLE AND COLOR.
5. REFER TO MECHANICAL, ELECTRICAL, AND EQUIPMENT DRAWINGS FOR CLARIFICATION OF SYMBOLS USED ON REFLECTED CEILING PLAN TO ILLUSTRATE LAYOUT OF ITEMS WITHIN CIELING SYSTEM.
6. ALL CEILING HEIGHTS ARE TO BE NOTED. COORDINATE THE FINISHED CEILING HEIGHT WITH ALL OTHER TRADES, AND WITH ALL MECHANICAL, ELECTRICAL, AND OTHER EQUIPMENT AND ITMES ABOVE CEILING.
7. UNLESS SPECIFICALLY DIRECTED OTHERWISE, LOCATE ALL GRILLES, REGISTERS, DIFFUSERS, FIXTURES, OR OTHER SUCH EQUIPMENT FLUSH WITH CEILING SURFACE AND CENTERED ON TILE.
8. SEE FINISH PLAN FOR TYPE AND STYLE OF CEILING SYSTEMS.

KEYED NOTES - ARCHITECTURAL - REFLECTED CEILING

1 EXISTING CEILING TILE AND GRID TO REMAIN

2 EXISTING GYP BD CEILING TO REMAIN

3 NEW CUSTOM PREFABRICATED METAL CANOPY; MAPES LUMIDECK USED AS BASIS OF DESIGN; SEE SECTIONS AND DETAILS

4 NEW GYP BD ON METAL STUD BULKHEAD; FINISH TO MATCH ADJACENT WALLS

5 ALL CEILING ITEMS TO BE MOUNTED BELOW EXISTING CEILING

6 EXISTING PLASTER CEILING TO REMAIN

7 NEW CEILING TILE AND GRID AS SCHEDULED; SEE INTERIOR FINISH PLAN

8 NEW GYP BD CEILING; PRIME & PAINT AS SCHEDULED; SEE INTERIOR FINISH PLANS

9 FRASCH LINYFELT ACOUSTICAL CEILING TREATMENT.

10 EXISTING PRECAST CONCRETE PLANK CEILING TO REMAIN; DRILL OPENINGS FOR SPRINKLER HEADS AS NEEDED

11 LINEAR PENDANT LIGHTING; SEE ELECTRICAL

12 MAPES CANOPY SYSTEM FRAMING; SEE VENDOR DRAWINGS

13 METAL DECK SLOPED TO DRAIN AS SPECIFIED BY CANOPY VENDOR

14 NEW METAL POST AS SPECIFIED BY CANOPY VENDOR

15 DRAIN HOLE AND DOWNSPOUTS PROVIDED BY CANOPY VENDOR

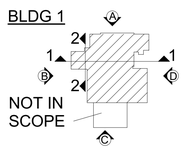
16 PENDANT MICROPHONE ARRAY BY OWNER VENDOR; PROVIDE JUNCTION BOX FOR POWER AND DATA

17 PENDANT SPEAKER ARRAY BY OWNER VENDOR; PROVIDE JUNCTION BOX FOR POWER AND DATA

18 ALTERNATE NO. 2B - INSTALL 26 GAUGE LINER PANELS TO INTERIOR FACE OF METAL BUILDING WALL GIRTS AT ALL EXTERIOR WALLS FROM TOP OF CMU TO BOTTOM OF ROOF PURLINS

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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KYLE A. WILSON REGISTERED NO. AR1900004 STATE OF INDIANA ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

SHEET TITLE
FIRST FLOOR REFLECTED CEILING PLAN - BUILDING 1

DATE
April 24, 2025

SHEET NUMBER
A 201
24179.00

KEY - REFLECTED CEILING

- GYPSUM BOARD
- ACOUSTICAL LAY-IN CEILING SYSTEM
- OR — LIGHTING - REFER TO ELECTRICAL LIGHTING PLAN
- MECHANICAL - REFER TO MECHANICAL SHEET METAL PLAN

GENERAL NOTES - REFLECTED CEILINGS

1. RE-USE EXISTING CEILING TILES DEEMED IN GOOD CONDITION WHENEVER POSSIBLE. PRIORITIZE AREAS WHERE EXISTING GRID IS TO REMAIN, THEN ACCESSORY STORAGE SPACES AND BACK OF HOUSE SPACES ALL ACOUSTICAL CEILING TILES THAT ARE REMOVED ARE TO BE RETAINED AND PROTECTED DURING CONSTRUCTION. TILES DEEMED IN GOOD CONDITION WILL BE RE-USED IN AREAS WHERE THE CEILING IS MARKED TO REMAIN.
2. IN AREAS WHERE CEILING TILES AND GRID ARE MARKED TO REMAIN, CAREFULLY REMOVE ACOUSTICAL CEILING TILES AND GRID AS NEEDED TO FACILITATE INSTALLATION OF THE SPRINKLER SYSTEM. RETAIN AND PROTECT REMOVED TILES AND GRID DURING CONSTRUCTION AND RE-INSTALL IN EXISTING LOCATION IF IN GOOD CONDITION.
3. IN AREAS WHERE GYPSUM BOARD CEILING IS MARKED TO REMAIN, CUT AND REMOVE SECTIONS OF CEILING ONLY AS NEEDED TO FACILITATE INSTALLATION OF THE SPRINKLER SYSTEM. INSTALL NEW GYPSUM BOARD, PATCH AND REPAINT CEILING AS NOTED ON INTERIOR FINISH PLANS.
4. WHERE CEILING TILE IS LESS THAN 3" AT PERIMETER OF ROOM PROVIDE A CUT 2x4 TILE IN LIEU OF FULL 2x2 TILE AND SMALL PIECE OF TILE OR DOUBLE GRID - MATCH 2x2 FOR STYLE AND COLOR.
5. REFER TO MECHANICAL, ELECTRICAL, AND EQUIPMENT DRAWINGS FOR CLARIFICATION OF SYMBOLS USED ON REFLECTED CEILING PLAN TO ILLUSTRATE LAYOUT OF ITEMS WITHIN CIELING SYSTEM.
6. ALL CEILING HEIGHTS ARE TO BE NOTED. COORDINATE THE FINISHED CEILING HEIGHT WITH ALL OTHER TRADES, AND WITH ALL MECHANICAL, ELECTRICAL, AND OTHER EQUIPMENT AND ITMES ABOVE CEILING.
7. UNLESS SPECIFICALLY DIRECTED OTHERWISE, LOCATE ALL GRILLES, REGISTERS, DIFFUSERS, FIXTURES, OR OTHER SUCH EQUIPMENT FLUSH WITH CEILING SURFACE AND CENTERED ON TILE.
8. SEE FINISH PLAN FOR TYPE AND STYLE OF CEILING SYSTEMS.

KEYED NOTES - ARCHITECTURAL - REFLECTED CEILING

1 EXISTING CEILING TILE AND GRID TO REMAIN

2 EXISTING GYP BD CEILING TO REMAIN

3 NEW CUSTOM PREFABRICATED METAL CANOPY; MAPES LUMIDECK USED AS BASIS OF DESIGN; SEE SECTIONS AND DETAILS

4 NEW GYP BD ON METAL STUD BULKHEAD; FINISH TO MATCH ADJACENT WALLS

5 ALL CEILING ITEMS TO BE MOUNTED BELOW EXISTING CEILING

6 EXISTING PLASTER CEILING TO REMAIN

7 NEW CEILING TILE AND GRID AS SCHEDULED; SEE INTERIOR FINISH PLAN

8 NEW GYP BD CEILING; PRIME & PAINT AS SCHEDULED; SEE INTERIOR FINISH PLANS

9 FRASCH LINYFELT ACOUSTICAL CEILING TREATMENT.

10 EXISTING PRECAST CONCRETE PLANK CEILING TO REMAIN; DRILL OPENINGS FOR SPRINKLER HEADS AS NEEDED

11 LINEAR PENDANT LIGHTING; SEE ELECTRICAL

12 MAPES CANOPY SYSTEM FRAMING; SEE VENDOR DRAWINGS

13 METAL DECK SLOPED TO DRAIN AS SPECIFIED BY CANOPY VENDOR

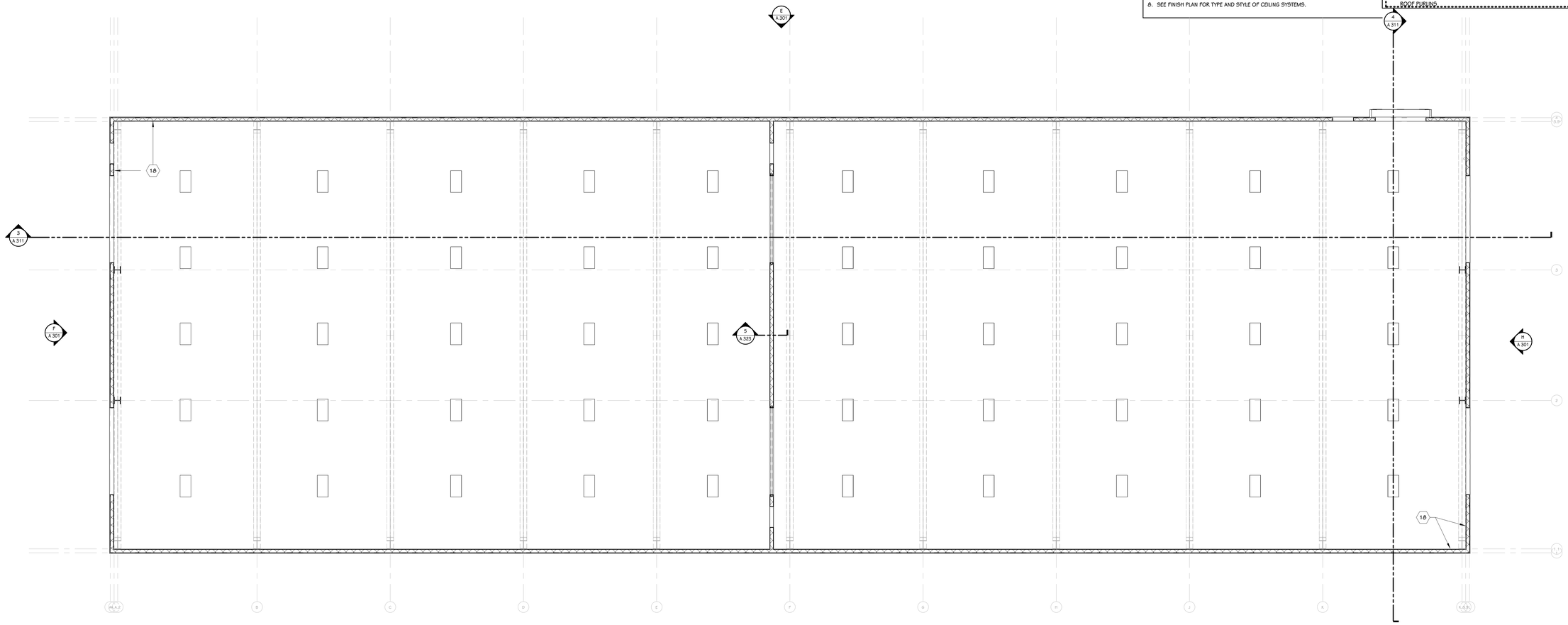
14 NEW METAL POST AS SPECIFIED BY CANOPY VENDOR

15 DRAIN HOLE AND DOWNSPOUTS PROVIDED BY CANOPY VENDOR

16 PENDANT MICROPHONE ARRAY BY OWNER VENDOR; PROVIDE JUNCTION BOX FOR POWER AND DATA

17 PENDANT SPEAKER ARRAY BY OWNER VENDOR; PROVIDE JUNCTION BOX FOR POWER AND DATA

18 ALTERNATE NO. 2B - INSTALL 26 GAUGE LINER PANELS TO INTERIOR FACE OF METAL BUILDING WALL GIRTS AT ALL EXTERIOR WALLS FROM TOP OF CMU TO BOTTOM OF ROOF PURLINS



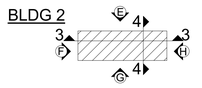
FIRST FLOOR REFLECTED CEILING PLAN - BUILDING 2 - ALTERNATE NO. 2A
1/8" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1

NOT IN SCOPE

BLDG 2



KEY PLAN
SCALE: NO SCALE

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STATE OF
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ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

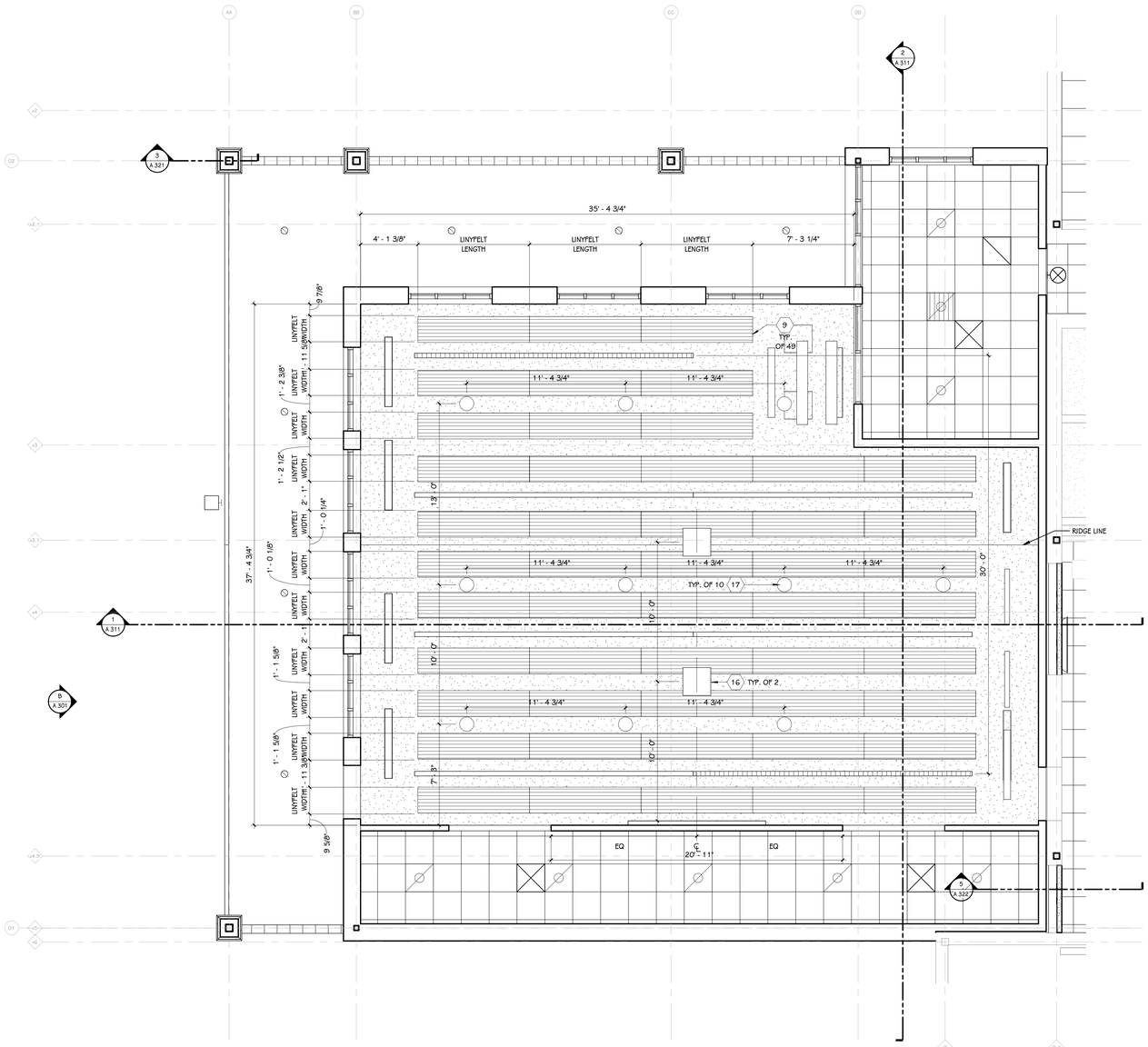
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

SHEET TITLE
FIRST FLOOR REFLECTED CEILING PLAN - BUILDING 2

DATE
April 24, 2025

SHEET NUMBER
A 202
24179.00



MULTIPURPOSE ROOM ENLARGED REFLECTED CEILING PLAN
1/4" = 1'-0"

KEY - REFLECTED CEILING

- GYPSUM BOARD
- ACOUSTICAL LAY-IN CEILING SYSTEM
- OR — LIGHTING - REFER TO ELECTRICAL LIGHTING PLAN
- MECHANICAL - REFER TO MECHANICAL SHEET METAL PLAN

GENERAL NOTES - REFLECTED CEILINGS

1. RE-USE EXISTING CEILING TILES DEEMED IN GOOD CONDITION WHENEVER POSSIBLE. PRIORITIZE AREAS WHERE EXISTING GRID IS TO REMAIN, THEN ACCESSORY STORAGE SPACES AND BACK OF HOUSE SPACES. ALL ACOUSTICAL CEILING TILES THAT ARE REMOVED ARE TO BE RETAINED AND PROTECTED DURING CONSTRUCTION. TILES DEEMED IN GOOD CONDITION WILL BE RE-USED IN AREAS WHERE THE CEILING IS MARKED TO REMAIN.
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2 EXISTING GYP BD CEILING TO REMAIN

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4 NEW GYP BD ON METAL STUD BULKHEAD; FINISH TO MATCH ADJACENT WALLS

5 ALL CEILING ITEMS TO BE MOUNTED BELOW EXISTING CEILING

6 EXISTING PLASTER CEILING TO REMAIN

7 NEW CEILING TILE AND GRID AS SCHEDULED; SEE INTERIOR FINISH PLAN

8 NEW GYP BD CEILING; PRIME + PAINT AS SCHEDULED; SEE INTERIOR FINISH PLANS

9 FRASCH LINYFELT ACOUSTICAL CEILING TREATMENT.

10 EXISTING PRECAST CONCRETE PLANK CEILING TO REMAIN; DRILL OPENINGS FOR SPRINKLER HEADS AS NEEDED

11 LINEAR PENDANT LIGHTING; SEE ELECTRICAL

12 MAPES CANOPY SYSTEM FRAMING; SEE VENDOR DRAWINGS

13 METAL DECK SLOPED TO DRAIN AS SPECIFIED BY CANOPY VENDOR

14 NEW METAL POST AS SPECIFIED BY CANOPY VENDOR

15 DRAIN HOLE AND DOWNSPOUTS PROVIDED BY CANOPY VENDOR

16 PENDANT MICROPHONE ARRAY BY OWNER VENDOR; PROVIDE JUNCTION BOX FOR POWER AND DATA

17 PENDANT SPEAKER ARRAY BY OWNER VENDOR; PROVIDE JUNCTION BOX FOR POWER AND DATA

18 ALTERNATE NO. 2B - INSTALL 26 GAUGE LINER PANELS TO INTERIOR FACE OF METAL BUILDING WALL GIRTS AT ALL EXTERIOR WALLS FROM TOP OF CMU TO BOTTOM OF ROOF PURLINS

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KYLE A. WILSON
REGISTERED
NO. AR11900004
STATE OF INDIANA
ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

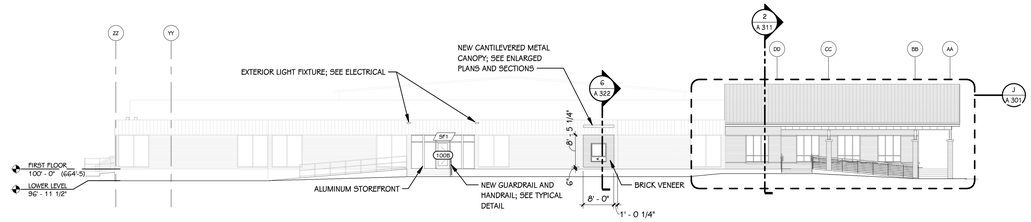
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

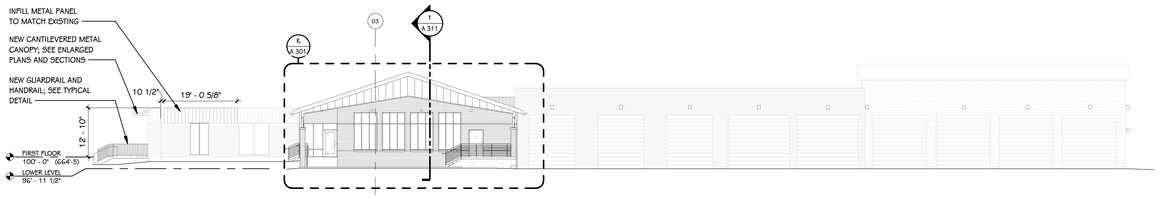
SHEET TITLE
ENLARGED REFLECTED CEILING PLAN

DATE
April 24, 2025

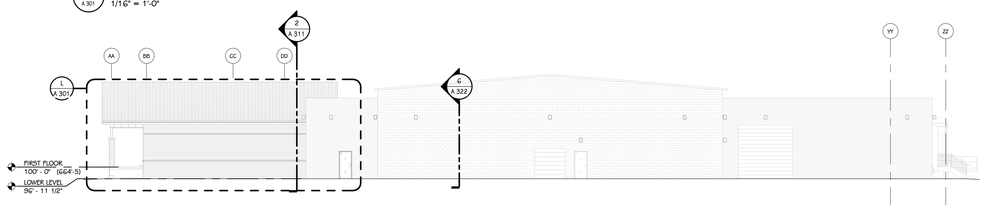
SHEET NUMBER
A 203
24179.00



A A.301 **NORTH ELEVATION**
1/16" = 1'-0"

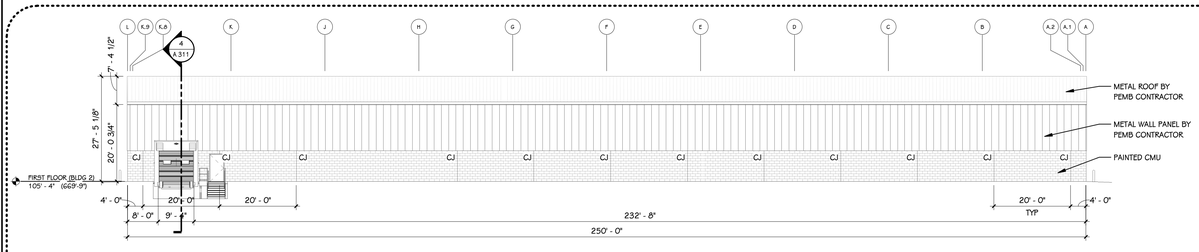


B A.301 **WEST ELEVATION**
1/16" = 1'-0"

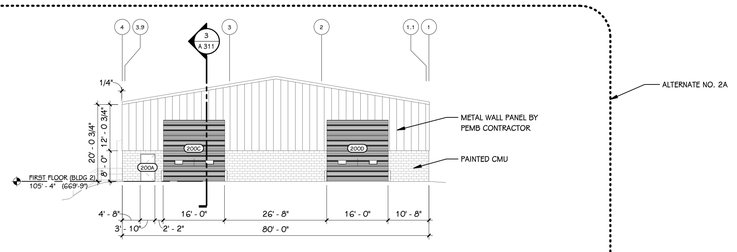


C A.301 **SOUTH ELEVATION**
1/16" = 1'-0"

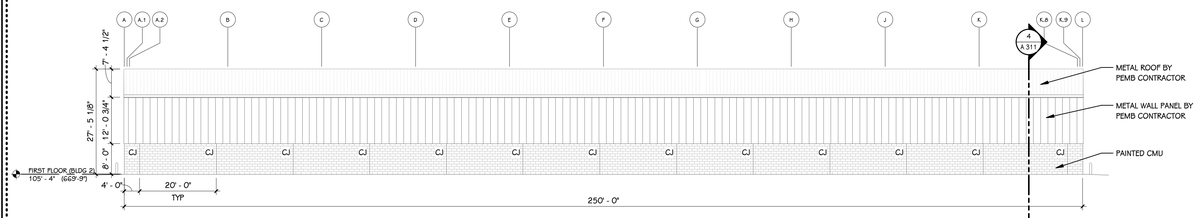
D A.301 **EAST ELEVATION**
1/16" = 1'-0"



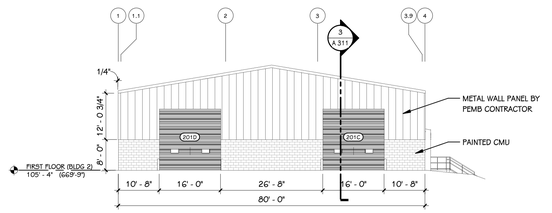
E A.301 **BUILDING TWO NORTH ELEVATION - ALTERNATE NO. 2A**
1/16" = 1'-0"



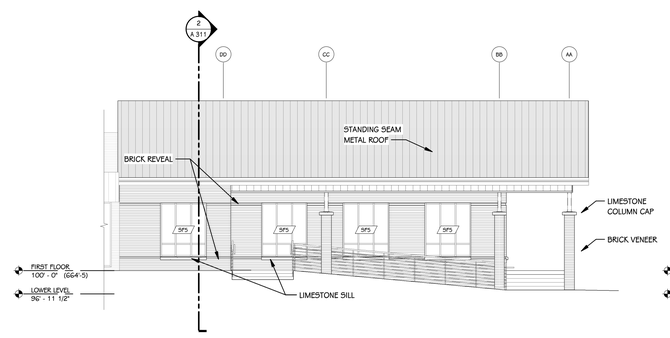
F A.301 **BUILDING TWO WEST ELEVATION - ALTERNATE NO. 2A**
1/16" = 1'-0"



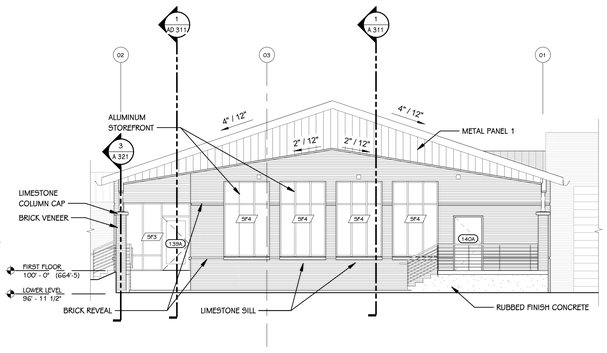
G A.301 **BUILDING TWO SOUTH ELEVATION - ALTERNATE 2A**
1/16" = 1'-0"



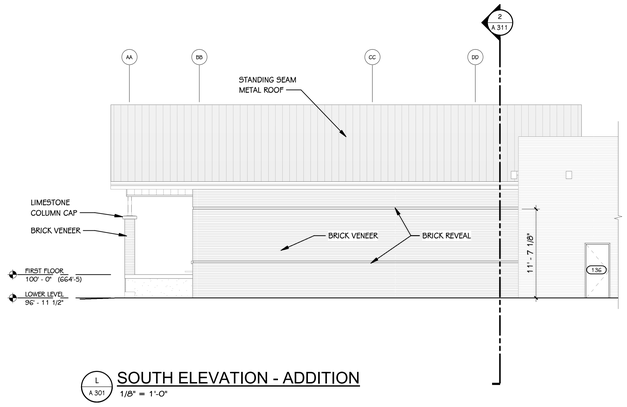
H A.301 **BUILDING TWO EAST ELEVATION - ALTERNATE NO. 2A**
1/16" = 1'-0"



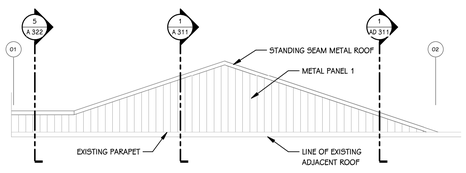
J A.301 **NORTH ELEVATION - ADDITION**
1/8" = 1'-0"



K A.301 **WEST ELEVATION - ADDITION**
1/8" = 1'-0"



L A.301 **SOUTH ELEVATION - ADDITION**
1/8" = 1'-0"



1 A.301 **EAST ELEVATION - ADDITION**
1/8" = 1'-0"

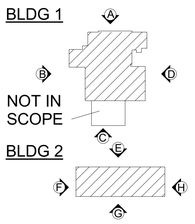
EXTERIOR ELEVATION KEY

- BRICK VENEER, COLOR: GLEN-GERY - BEIGE GRAY VELOUR
- METAL PANEL 1, COLOR: TBD: TO MATCH EXISTING METAL PANEL
- STANDING SEAM ROOF, COLOR: METAL SALES - BROWN

CJ = CONTROL JOINT, COLOR:
EJ - BUILDING EXPANSION JOINT, COLOR:

HARRISON REMC - RENOVATION

BLDG 1
NOT IN SCOPE
BLDG 2



KEY PLAN
SCALE: NO SCALE

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SHEET TITLE
EXTERIOR ELEVATIONS

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SHEET NUMBER
A 301
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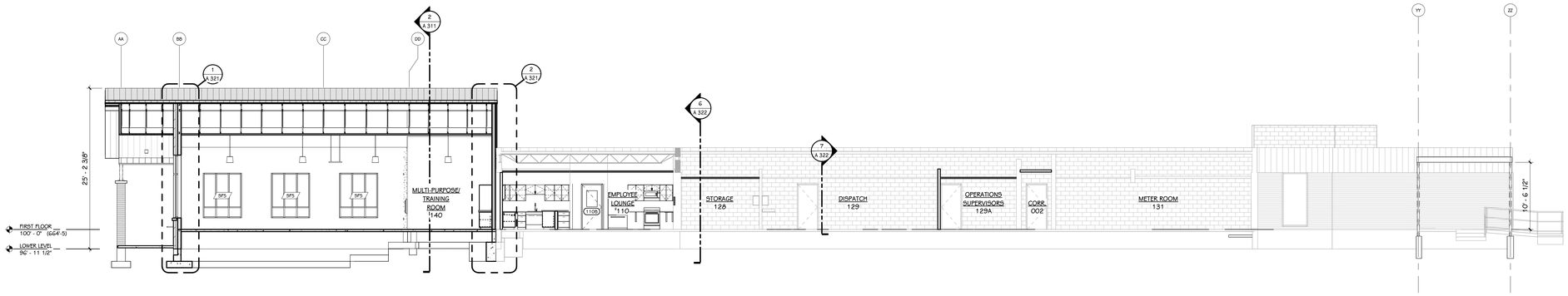
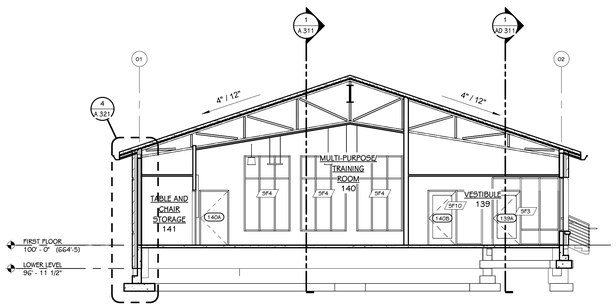


1 A.311 BUILDING SECTION - FACING NORTH
1/8" = 1'-0"



2 A.311 BUILDING SECTION - FACING WEST
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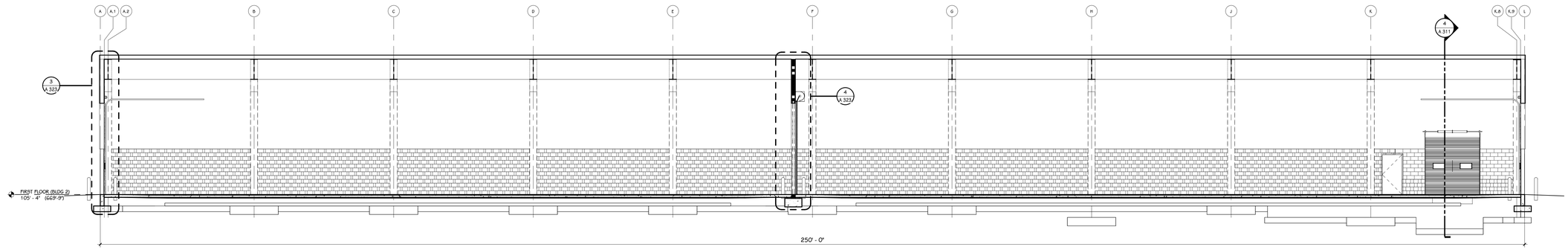
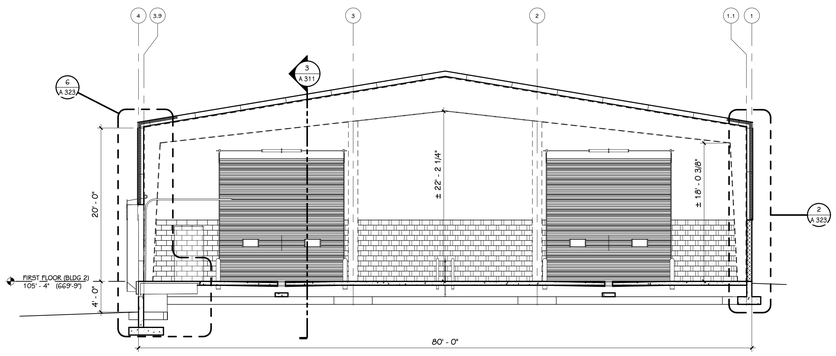


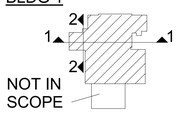
3 A.311 BUILDING TWO SECTION- ALTERNATE NO. 2A - FACING NORTH
1/8" = 1'-0"



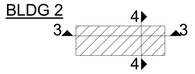
4 A.311 BUILDING TWO SECTION - ALTERNATE NO. 2A - FACING EAST
1/8" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1



BLDG 2



KEY PLAN
SCALE: NO SCALE

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BUILDING SECTIONS

DATE
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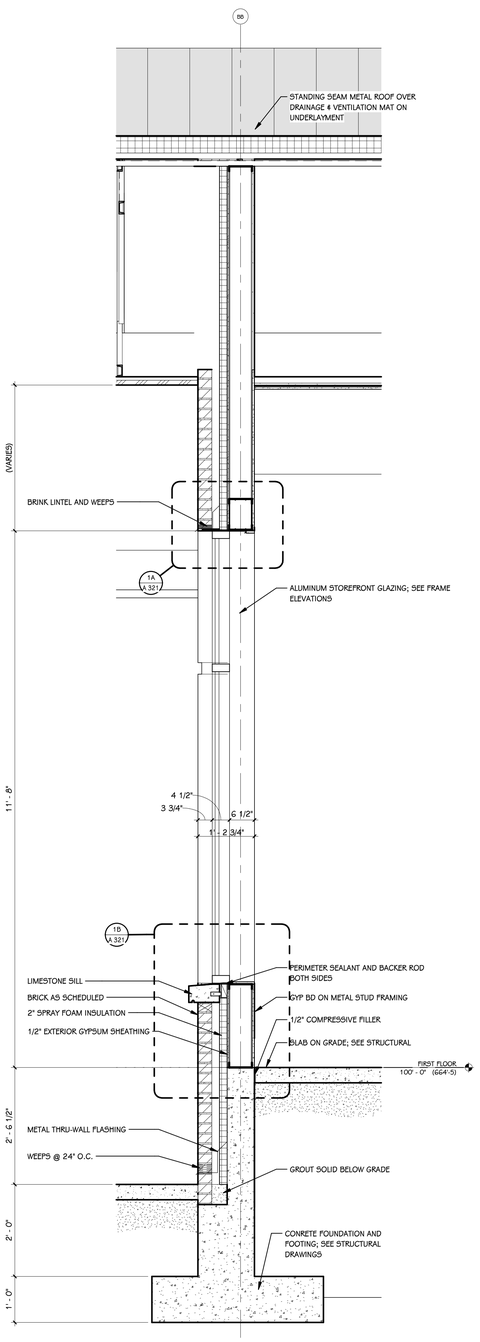
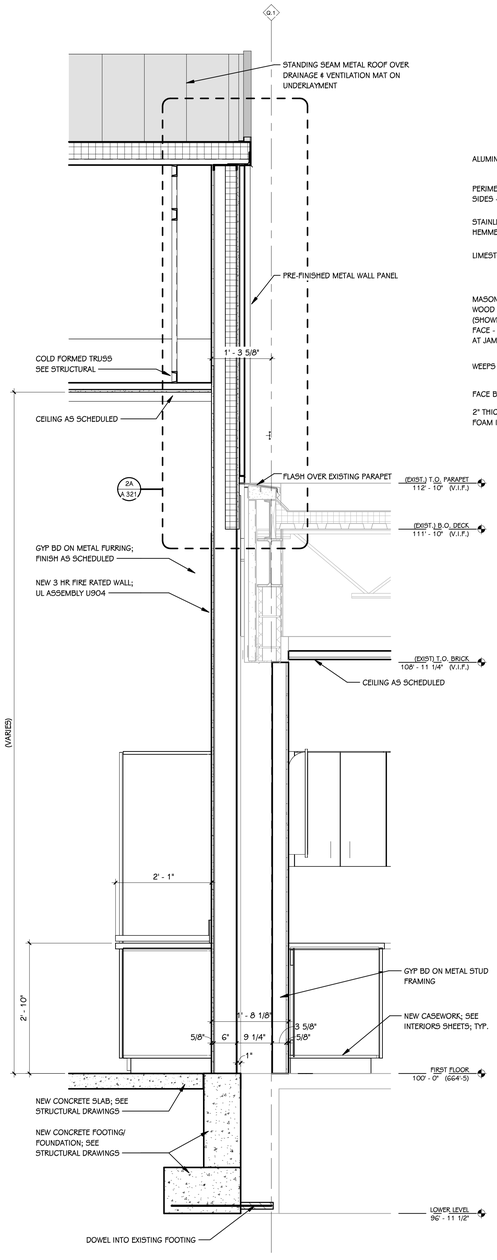
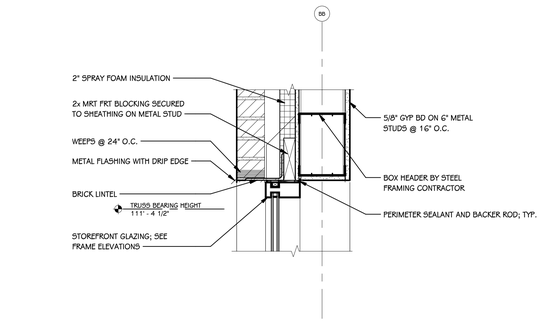


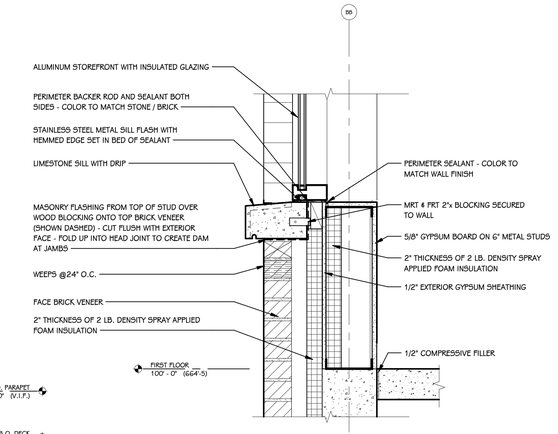
1 A 321 WALL SECTION
3/4" = 1'-0"



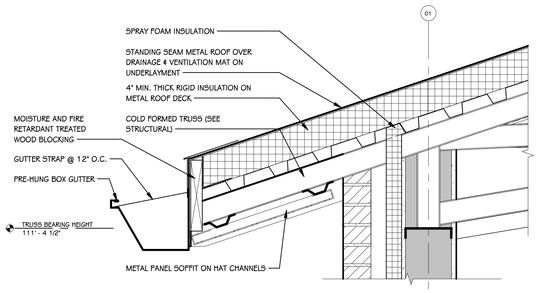
2 A 321 WALL SECTION
3/4" = 1'-0"



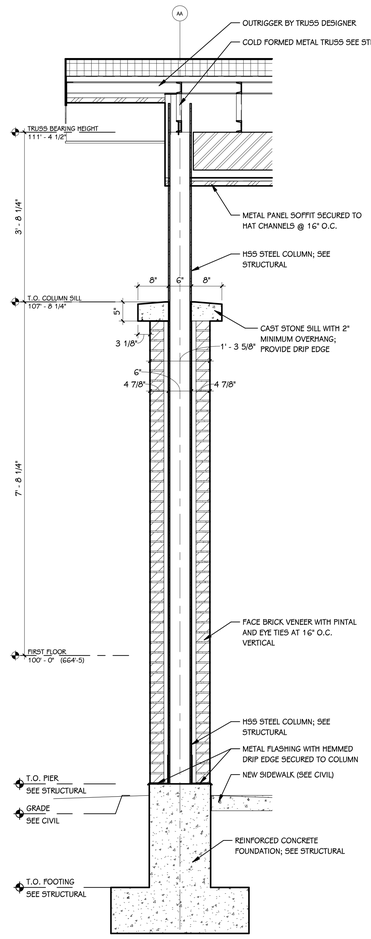
1A A 321 SECTION DETAIL
1 1/2" = 1'-0"



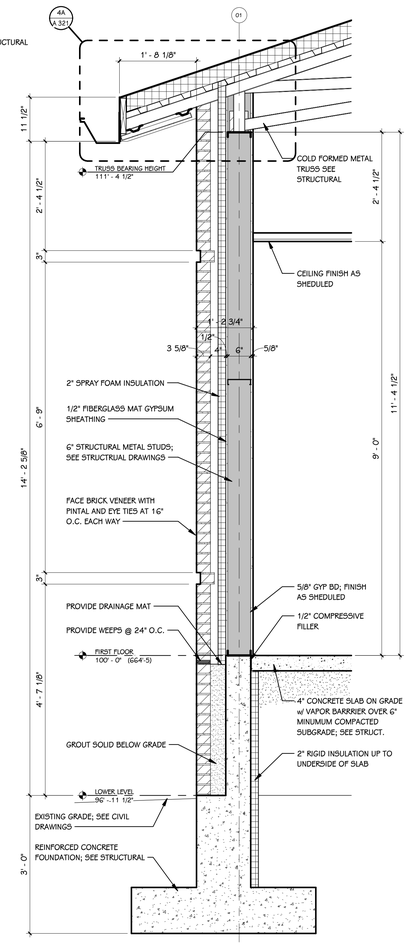
1B A 321 SECTION DETAIL
1 1/2" = 1'-0"



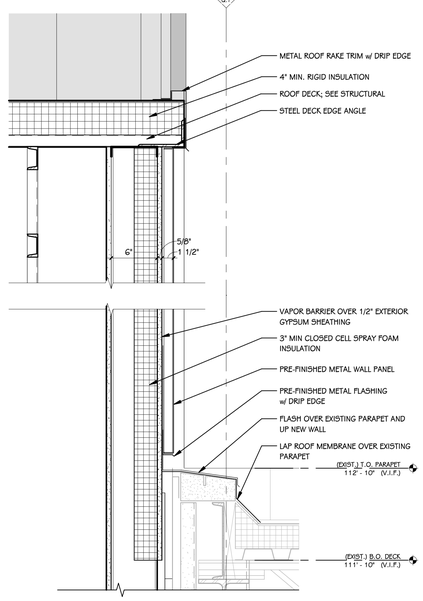
4A A 321 SECTION DETAIL
1 1/2" = 1'-0"



3 A 321 WALL SECTION
3/4" = 1'-0"



4 A 321 WALL SECTION
3/4" = 1'-0"



2A A 321 SECTION DETAIL
1 1/2" = 1'-0"

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SHEET TITLE
WALL SECTIONS AND DETAILS

DATE
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SHEET NUMBER
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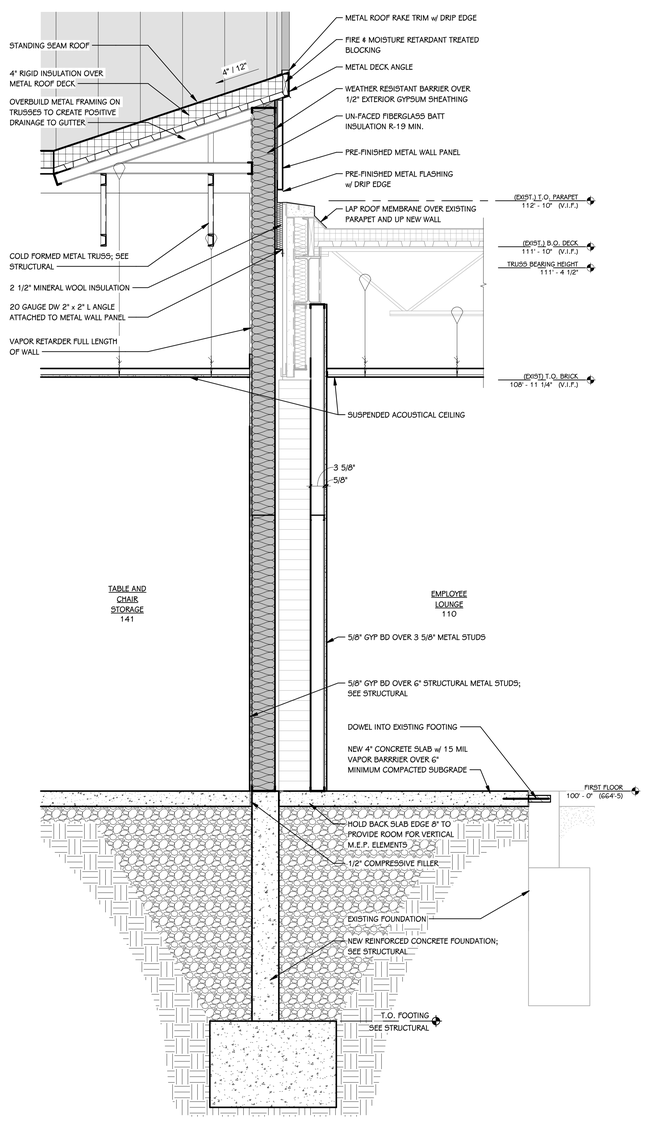
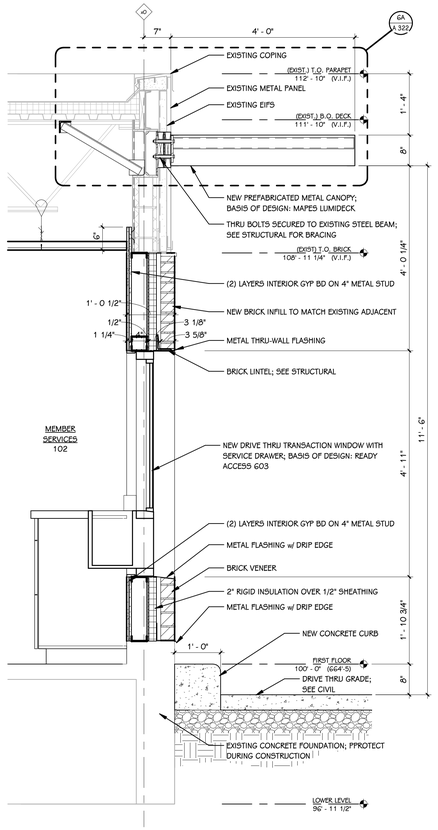
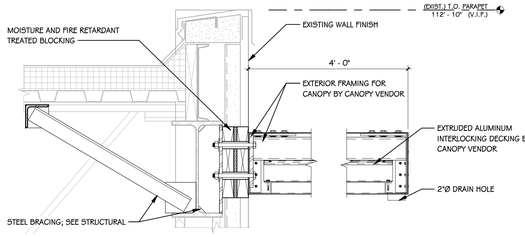


5 / A 322 WALL SECTION
3/4" = 1'-0"

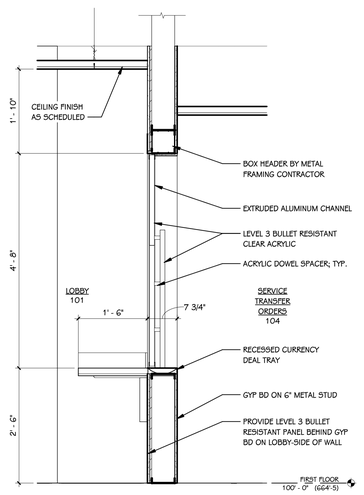


6 / A 322 WALL SECTION
3/4" = 1'-0"

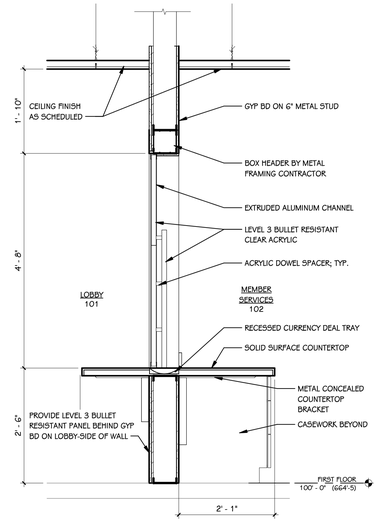


6A / A 322 SECTION DETAIL
1 1/2" = 1'-0"

PREFABRICATED METAL CANOPY; BASIS OF DESIGN: MAPES LUMIDECK



7 / A 322 WALL SECTION
3/4" = 1'-0"



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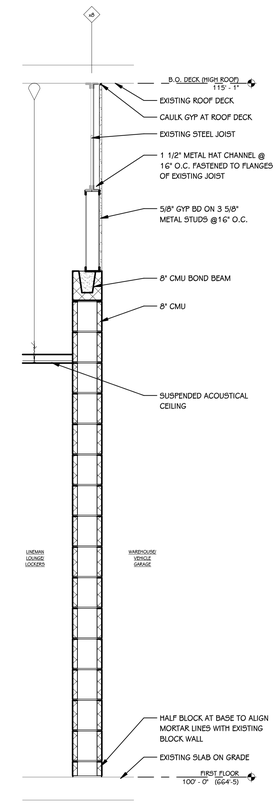
3/4" = 1'-0"



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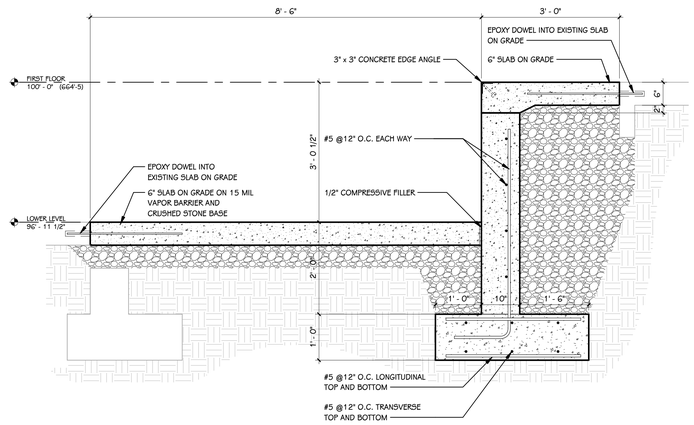
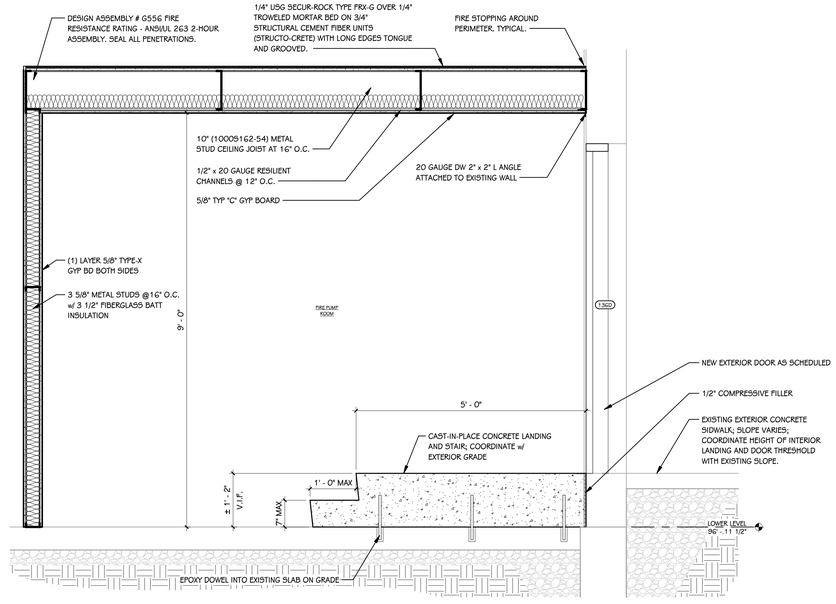
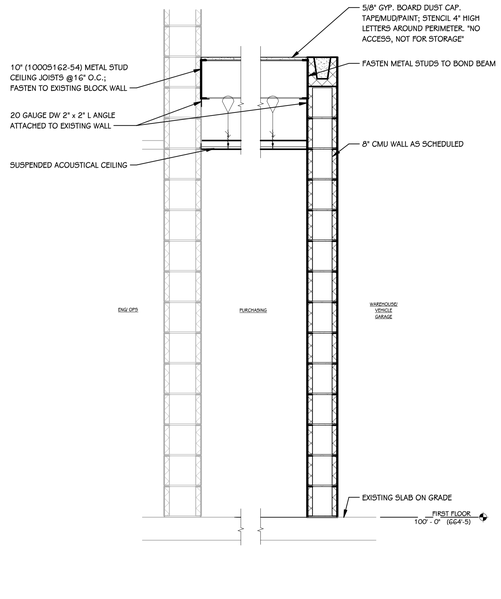
3/4" = 1'-0"



10 / A 322 SECTION DETAIL
3/4" = 1'-0"



11 / A 322 WALL SECTION
3/4" = 1'-0"



12 / A 322 WALL SECTION
3/4" = 1'-0"

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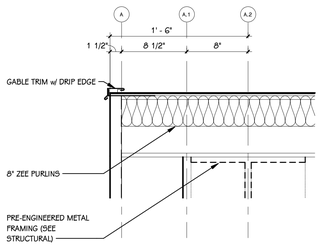
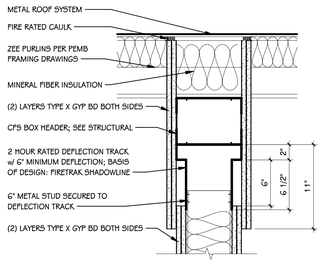
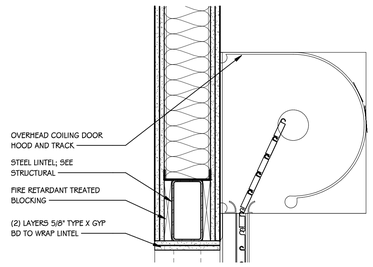


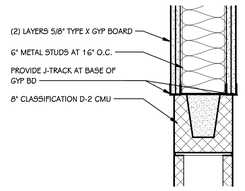
3A A 323 SECTION DETAIL
1 1/2" = 1'-0"



4A A 323 SECTION DETAIL
1 1/2" = 1'-0"



4B A 323 SECTION DETAIL
1 1/2" = 1'-0"



5B A 323 SECTION DETAIL
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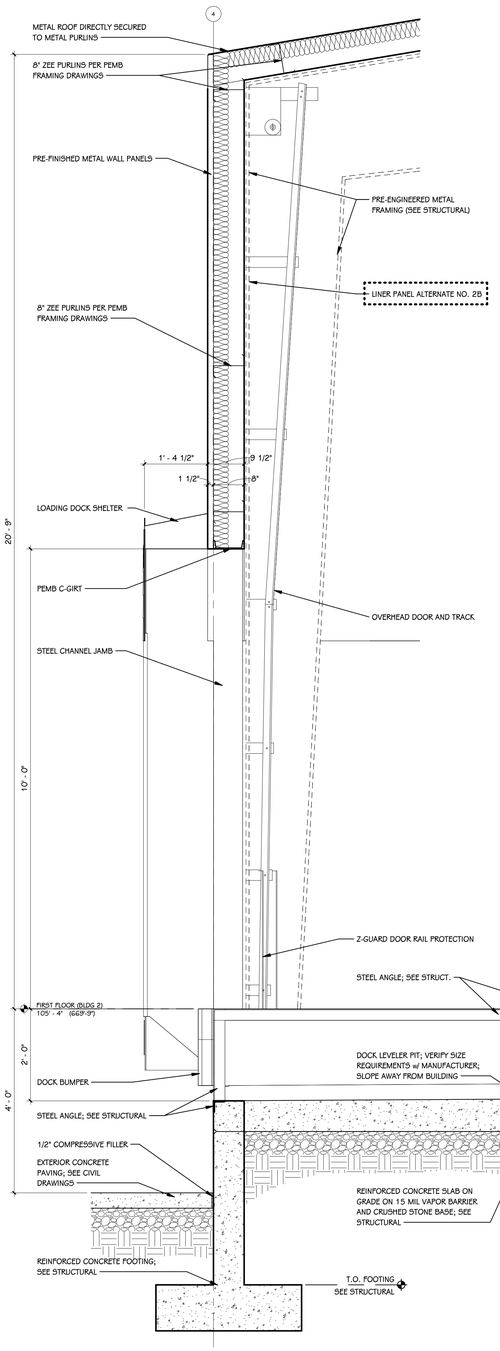
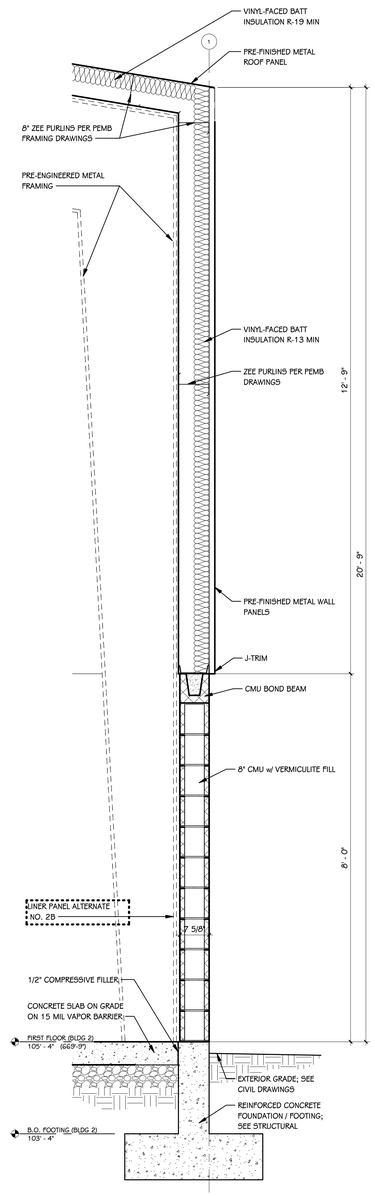


6 A 323 WALL SECTION
3/4" = 1'-0"



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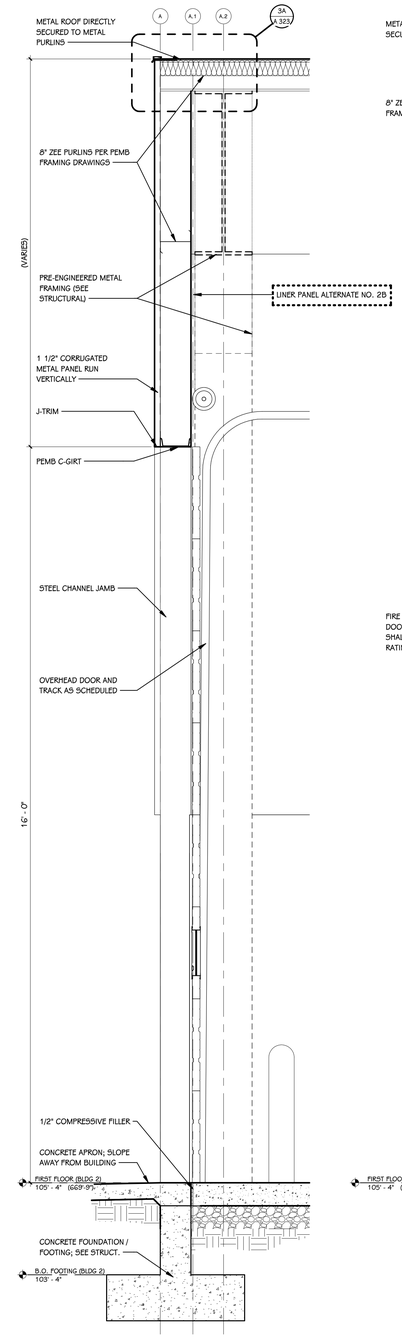
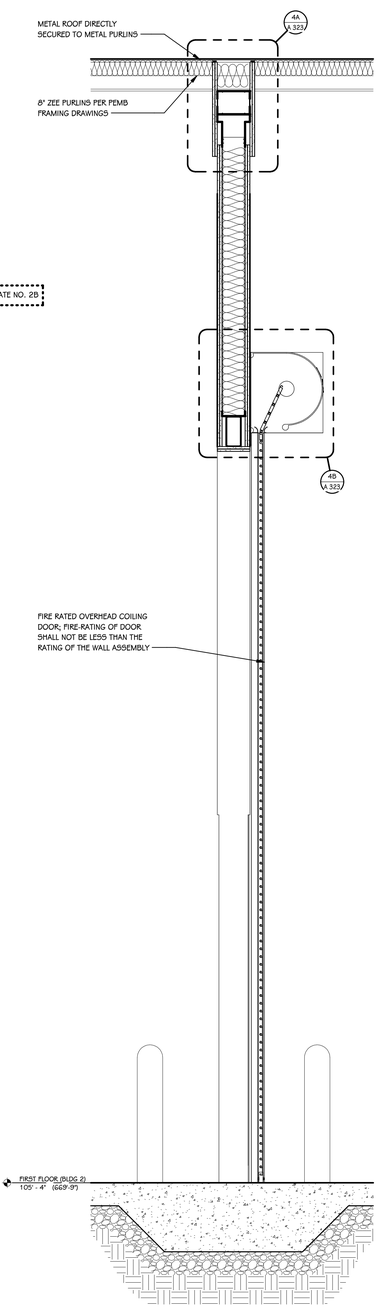
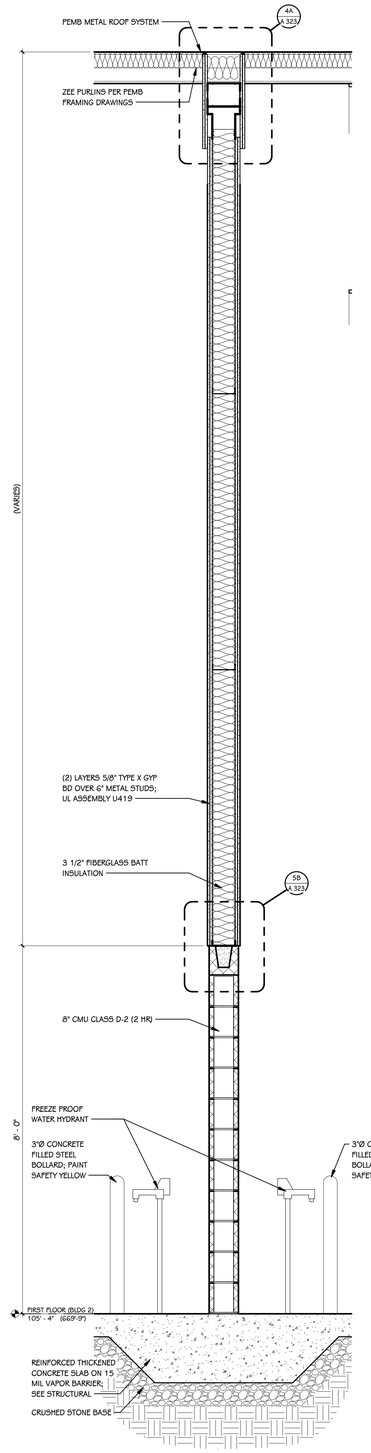
3/4" = 1'-0"



3 A 323 WALL SECTION
3/4" = 1'-0"



4 A 323 WALL SECTION
3/4" = 1'-0"



5 A 323 WALL SECTION
3/4" = 1'-0"

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KYLE A. WILSON
REGISTERED
NO. AR11900004
STATE OF INDIANA
ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

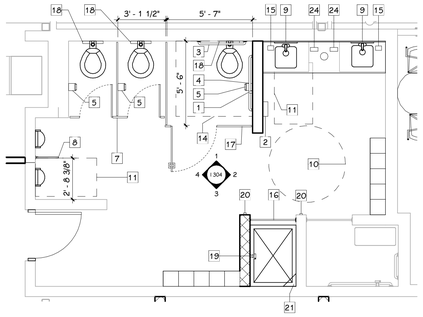
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

SHEET TITLE
WALL SECTIONS AND DETAILS

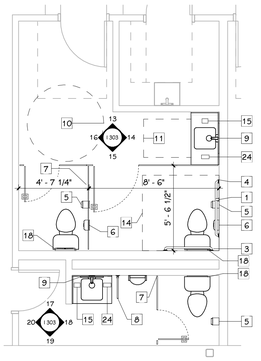
DATE
April 24, 2025

SHEET NUMBER
A 323
24179.00

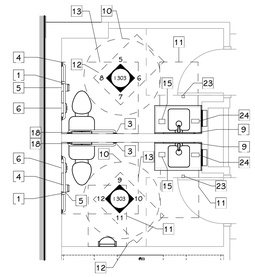


NOTE: ALL EXISTING TOILET ACCESSORIES WITHIN EXISTING SHOWER TO REMAIN

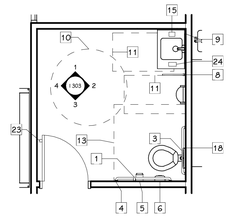
1 A 401 130 - MENS LOCKER ROOM PLAN
1/4" = 1'-0"



2 A 401 115 & 116 - RESTROOM PLAN
1/4" = 1'-0"



3 A 401 108-109 - RESTROOM PLAN
1/4" = 1'-0"



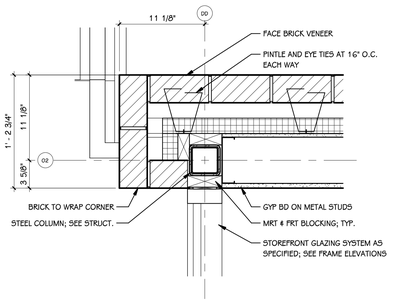
4 A 401 101A - RESTROOM PLAN
1/4" = 1'-0"

KEYED NOTES - TOILET ACCESSORY

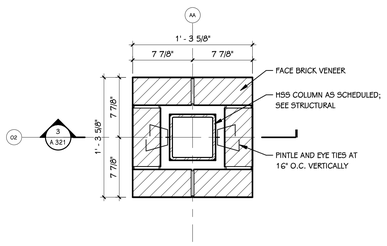
1	18" VERTICAL GRAB BAR. SURFACE-MOUNTED, MOUNT PER ICC/ANSI AND ADA
2	RE-INSTALLED HAND DRYER
3	36" GRAB BAR. SURFACE-MOUNTED, MOUNT PER ICC/ANSI AND ADA
4	42" GRAB BAR. SURFACE-MOUNTED, MOUNT PER ICC/ANSI AND ADA
5	TOILET PAPER DISPENSER. SURFACE-MOUNTED, MOUNT PER ICC/ANSI AND ADA. COORDINATE WITH GRAB BARS AND SANITARY NAPKIN DISPOSAL IF APPLICABLE
6	SANITARY NAPKIN DISPOSAL. SURFACE-MOUNTED, MOUNT PER ICC/ANSI AND ADA. COORDINATE WITH GRAB BARS AND TOILET PAPER DISPENSER IF APPLICABLE
7	TOILET PARTITION - 6" AFF AND TYP. HEIGHT
8	18" DEEP URINAL PRIVACY SCREEN
9	MIRROR. SURFACE-MOUNTED, MOUNT PER ICC/ANSI AND ADA. MOUNT CENTERED ON LAVATORY
10	CLEAR FLOOR SPACE - 60" DIAMETER WHEELCHAIR TURNING SPACE
11	CLEAR FLOOR SPACE - 30" x 48" AT LAVATORY, SINK, OR URINAL
12	CLEAR FLOOR SPACE - 30" x 48" SPACE ALLOWED IN SINGLE OCCUPANCY ROOM BEYOND DOOR SWING
13	CLEAR FLOOR SPACE - 56" x 60" AT WATER CLOSET
14	CLEAR FLOOR SPACE - 59" x 60" AT TOILET COMPARTMENT
15	SOAP DISPENSER; OFOI
16	SHOWER CURTAIN ROD
17	ADA TOILET STALL - 6" AFF AND TYP. HEIGHT. PROVIDE PULL ON BOTH SIDES OF DOOR PER ADA
18	EXISTING TOILET SEAT COVER DISPENSER TO BE RE-INSTALLED
19	ADA GRAB BAR WITH SHOWER HEAD HOLDER
20	DOUBLE ROBE HOOK
21	CORNER SHOWER SHELF
23	COAT HOOK; SURFACE-MOUNTED; MOUNT PER ICC/ANSI AND ADA
24	PAPER TOWEL DISPENSER; OFOI

NOTES - TOILET ACCESSORY

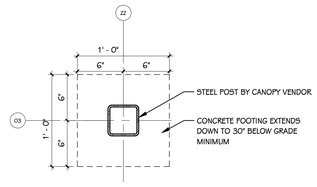
1. OF = OWNER FURNISHED, OI = OWNER INSTALLED, CF = CONTRACTOR FURNISHED, CI = CONTRACTOR INSTALLED.
2. DIMENSIONS INDICATED ARE TYPICAL UNLESS NOTED OTHERWISE ON PLANS.
3. GENERIC PLUMBING FIXTURES ARE SHOWN. REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS FOR FIXTURE TYPES, MANUFACTURERS AND MOUNTING HEIGHTS.
4. CODE REQUIRED INTERIOR SIGNAGE - INCLUDES MINIMUM REQUIRED SIGN TYPES REQUIRED FOR OCCUPANCY AS DICTATED BY IBC, IFC, AND NFPA. COORDINATE WITH ANY OWNER-PROVIDED SIGNAGE.
5. REFER TO MOUNTING HEIGHT DETAILS ON SHEET G-002
6. PROVIDE WOOD BLOCKING FOR ALL WALL-HUNG ACCESSORIES



7 A 401 PLAN DETAIL
1 1/2" = 1'-0"



8 A 401 PLAN DETAIL
1 1/2" = 1'-0"



9 A 401 PLAN DETAIL
1 1/2" = 1'-0"

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ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

OWNER
HARRISON REMC

1165 OLD FOREST
RD, CORYDON, IN
47112

SHEET TITLE
ENLARGED TOILET ROOM PLANS,
FLOOR PLANS, AND PLAN DETAILS

DATE
April 24, 2025

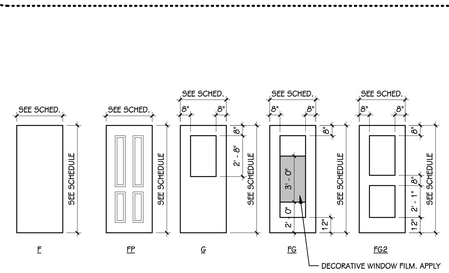
SHEET NUMBER
A 401
24179.00

BUILDING 1 DOOR SCHEDULE

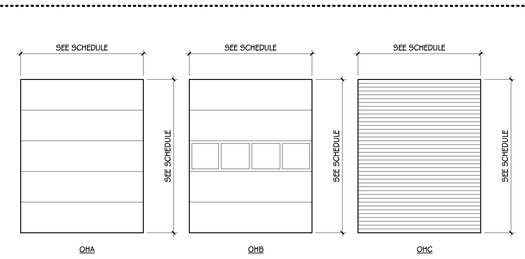
NUMBER		ROOM NAME	FIRE RATING (MINUTES)		DOOR		SIZE		FRAME		DETAILS		GLASS	ACCESS CONTROLS			HDWR. SET	REMARKS
DOOR	ROOM		DOOR	FRAME	TYPE	MAT	WIDTH	HEIGHT	ELEV	MAT	HEAD	JAMB		AUTO - ASSIST	CARD READER	ELEC. LOCK HDWR.		
002	002	CORR.	-	-	G	FRP	3' - 6"	7' - 0"	F2	HM	4/A501	5/A501	-	Yes	Yes	Yes	5	-
003	003	CORR.	-	-	G	FRP	3' - 6"	7' - 0"	F1	HM	1/A501	2/A501	-	No	Yes	No	5	-
100A	100	VESTIBULE	-	-	FG	HM	3' - 6"	7' - 0"	5F6	AL	-	-		Yes	Yes	Yes	2	-
100B	100	VESTIBULE	-	-	FG	HM	3' - 6"	7' - 0"	5F1	AL	-	-		Yes	Yes	Yes	1	-
101	101	LOBBY	-	-	G	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	EXIST	No	Yes	Yes	5	RE-USE EXISTING WOOD HALF-GLASS DOOR PANEL
101A	101A	RESTROOM	-	-	F	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	-	No	No	No	11	RE-USE EXISTING FLUSH WOOD DOOR PANEL
102A	102A	BUSINESS MANAGER	-	-	FG	HM	3' - 0"	7' - 0"	5F9	AL	-	-		No	Yes	Yes	6	-
102B	102B	ENERGY ADVISOR	-	-	FG	HM	3' - 0"	7' - 0"	5F8	AL	-	-		No	Yes	No	6	-
103	103	COMM. MANAGER	-	-	FG	HM	3' - 0"	7' - 0"	5F7	AL	-	-		No	Yes		6	-
105	105	CONFERENCE ROOM 1	-	-	G	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	EXIST	No	No	Yes	5	RE-USE EXISTING WOOD HALF-GLASS DOOR PANEL
110A	110	EMPLOYEE LOUNGE	-	-	G	HM	3' - 6"	7' - 0"	F1	HM	4/A501	5/A501	TEMP. CLR	No	Yes	No	5	-
110B	110	EMPLOYEE LOUNGE	-	-	G	HM	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	TEMP. CLR	No	No	Yes	4	-
110C	110	EMPLOYEE LOUNGE	-	-	F	HM	3' - 6"	7' - 0"	F1	HM	-	-	-	No	No	Yes	4	-
111	111	FIELD SERVICES	-	-	G	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	EXIST	No	No	No	4	RE-USE EXISTING WOOD HALF-GLASS DOOR PANEL
117	117	MECHANICAL	-	-	F	HM	6' - 0"	7' - 0"	F2	HM	-	-		No	No	No	9	-
118	118	CONFERENCE ROOM 2	-	-	G	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	EXIST	No	No	No	6	RE-USE EXISTING WOOD HALF-GLASS DOOR PANEL
119	119	OFFICE	-	-	G	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	EXIST	No	No	No	6	RE-USE EXISTING WOOD HALF-GLASS DOOR PANEL
120	120	I.T. OFFICE	-	-	G	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	EXIST	No	No	No	6	RE-USE EXISTING WOOD HALF-GLASS DOOR PANEL
121	121	OFFICE	-	-	G	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	EXIST	No	No	No	6	RE-USE EXISTING WOOD HALF-GLASS DOOR PANEL
124	124	ACCOUNTANT	-	-	G	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	EXIST	No	No	No	6	RE-USE EXISTING WOOD HALF-GLASS DOOR PANEL
125	125	OFFICE			FP	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	-	No	Yes	Yes	6	RE-USE EXISTING DOOR PANEL FROM BOARD ROOM
126	126	ACCOUNTING	-	-	F	WD	3' - 0"	7' - 0"	F1	HM	1/A501	2/A501	-	No	Yes	No	5	RE-USE EXISTING FLUSH WOOD DOOR PANEL
130	130	MEN'S LOCKER	-	-	F	FRP	3' - 0"	7' - 0"	EXIST	EXIST	4/A501	5/A501	-	No	No	No	13	-
133A	133	LINEMAN LOUNGE/ LOCKERS	-	-	G	FRP	3' - 6"	7' - 0"	F2	HM	4/A501	5/A501	-	No	No	No	7	-
133B	133	LINEMAN LOUNGE/ LOCKERS	-	-	G	FRP	3' - 6"	7' - 0"	F2	HM	4/A501	5/A501	-	No	Yes	Yes	8	-
134	134	PURCHASING	-	-	G	WD	3' - 0"	7' - 0"	F2	HM	4/A501	5/A501	EXIST	No	No	No	6	RE-USE EXISTING WOOD HALF-GLASS DOOR PANEL
135	135	WAREHOUSEMAN	-	-	G	HM	3' - 0"	7' - 0"	F2	HM	4/A501	5/A501	TEMP. CLR	No	No	No	6	-
136	136	WAREHOUSE/ VEHICLE GARAGE	-	-	F	HM	3' - 0"	7' - 0"	F2	HM	-	-	-	No	Yes	Yes	3	-
136D	136C	FIRE PUMP ROOM	45	45	F	HM	3' - 0"	7' - 0"	F1	HM	4/A501	5/A501	-	No	No	No	12	-
139A	139	VESTIBULE	-	-	FG	HM	3' - 6"	7' - 0"	5F3	AL	-			Yes	Yes	No	1	-
139B	004	CORR.	-	-	G	HM	3' - 0"	7' - 0"	F2	HM	1/A501	2/A501	TEMP. CLR	No	No	No	4	-
140A	140	MULTI-PURPOSE/ TRAINING ROOM	-	-	F	HM	3' - 6"	7' - 0"	F1	HM	-	-	-	No	Yes	Yes	3	-
140B	140	MULTI-PURPOSE/ TRAINING ROOM	-	-	FG	HM	3' - 6"	7' - 0"	5F10	AL	-			No	No	No	7	-
141A	141	TABLE AND CHAIR STORAGE	-	-	F	WD	7' - 0"	7' - 0"	F1	HM	1/A501	2/A501	-	No	No	No	10	RE-USE EXISTING FLUSH WOOD DOOR PANEL
141B	141	TABLE AND CHAIR STORAGE	-	-	F	WD	7' - 0"	7' - 0"	F1	HM	1/A501	2/A501	-	No	No	No	10	RE-USE EXISTING FLUSH WOOD DOOR PANEL

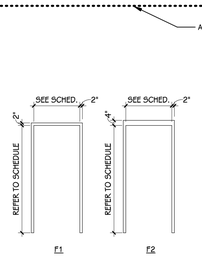
BUILDING 2 DOOR SCHEDULE

NUMBER		ROOM NAME	FIRE RATING		DOOR		SIZE		FRAME		DETAILS		GLASS	ACCESS CONTROL			HDWR. SET	REMARKS
DOOR	ROOM		DOOR	FRAME	TYPE	MAT	WIDTH	HEIGHT	ELEV	MAT	HEAD	JAMB		AUTO ASSIST	CARD READER	ELEC. LOCK HDWR.		
200A	200	TRANSFORMER STORAGE	-	-	F	HM	3' - 6"	7' - 0"	F2	HM	4/A501	5/A501	-	No	Yes	Yes	3	-
200B	200	TRANSFORMER STORAGE	90	90	F	HM	3' - 6"	7' - 0"	F2	HM	4/A501	5/A501	-	No	No	No	4	-
200C	200	TRANSFORMER STORAGE	-	-	OHB	HM	16' - 0"	16' - 0"										
200D	200	TRANSFORMER STORAGE	-	-	OHB	HM	16' - 0"	16' - 0"							No			
200E	200	TRANSFORMER STORAGE	180	180	OHC	HM	16' - 0"	16' - 0"					-	No	No			
201A	201	TRANSFORMER STORAGE	-	-	F	HM	3' - 6"	7' - 0"	F2	HM	4/A501	5/A501	-	No	Yes	Yes	3	-
201B	201	TRANSFORMER STORAGE	90	90	F	HM	3' - 6"	7' - 0"	F2	HM	4/A501	5/A501	-	No	No	No	4	-
201C	201	TRANSFORMER STORAGE	-	-	OHB	HM	16' - 0"	16' - 0"										
201D	201	TRANSFORMER STORAGE	-	-	OHB	HM	16' - 0"	16' - 0"										
201E	201	TRANSFORMER STORAGE	180	180	OHC	HM	16' - 0"	16' - 0"					-	No	No			
201F	201	TRANSFORMER STORAGE	-	-	OHB	HM	9' - 4"	10' - 0"										

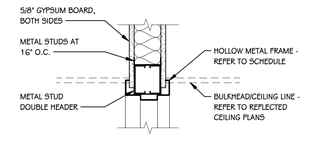


DOOR PANEL ELEVATIONS
SCALE: NONE

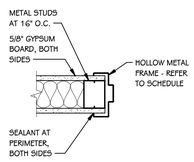




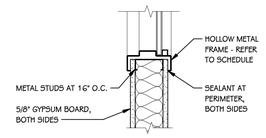
FRAME ELEVATIONS
SCALE: NONE



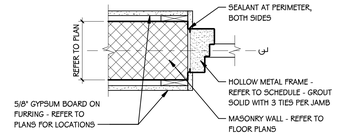
1 A 501 STUD WALL HEAD DETAIL
1 1/2" = 1'-0"



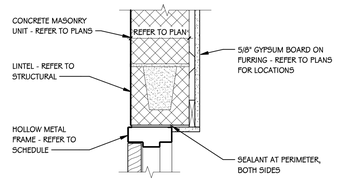
2 A 501 STUD WALL JAMB DETAIL
1 1/2" = 1'-0"



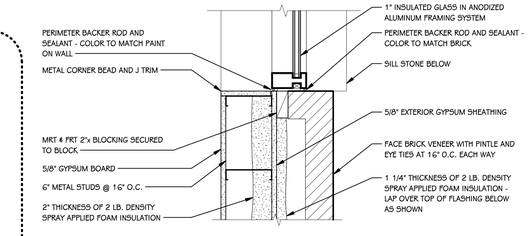
3 A 501 STUD WALL SILL DETAIL
1 1/2" = 1'-0"



4 A 501 MASONRY JAMB DETAIL
1 1/2" = 1'-0"

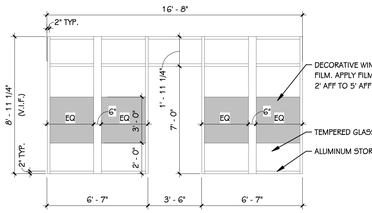


5 A 501 MASONRY HEAD DETAIL
1 1/2" = 1'-0"

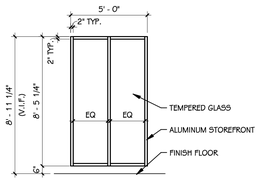


6 A 501 STEEL STUD WITH BRICK VENEER WINDOW JAMB DETAIL
1 1/2" = 1'-0"

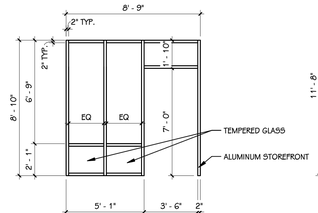
ALTERNATE NO. 2A



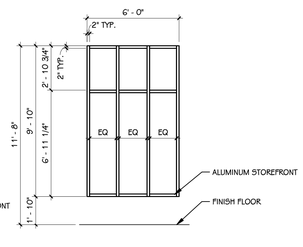
5F1
(EXTERIOR STOREFRONT)



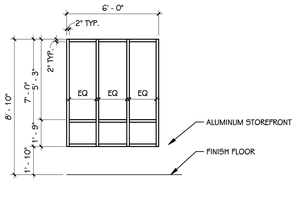
5F2
(EXTERIOR STOREFRONT)



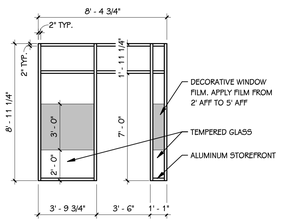
5F3
(EXTERIOR STOREFRONT)



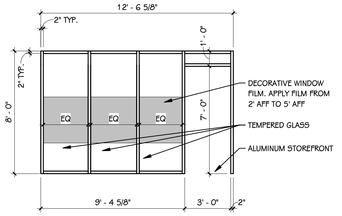
5F4
(EXTERIOR STOREFRONT)



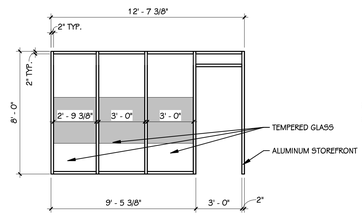
5F5
(EXTERIOR STOREFRONT)



5F6
(INTERIOR STOREFRONT)



5F7
(INTERIOR STOREFRONT)



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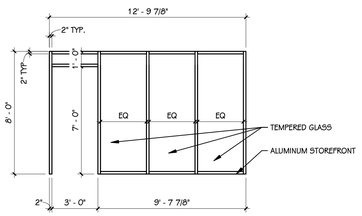

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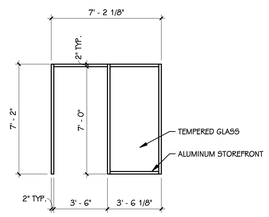

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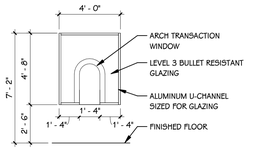

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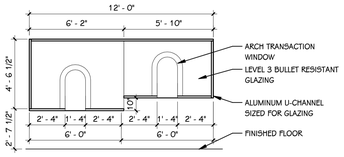

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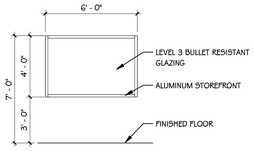

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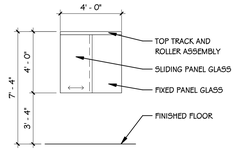

5F14
(INTERIOR STOREFRONT)

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ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

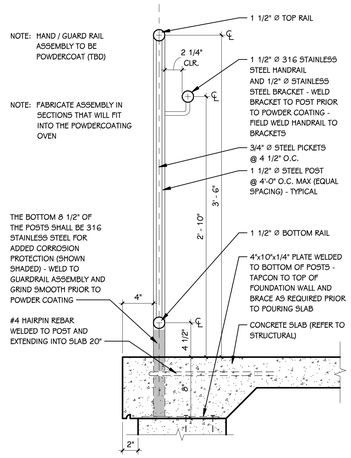
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

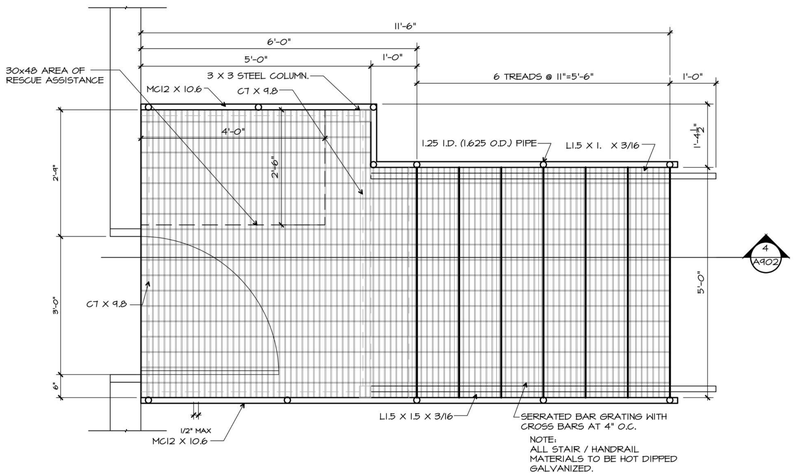
SHEET TITLE
DOOR SCHEDULES, FRAME ELEVATIONS, HEAD AND JAMB DETAILS

DATE
April 24, 2025

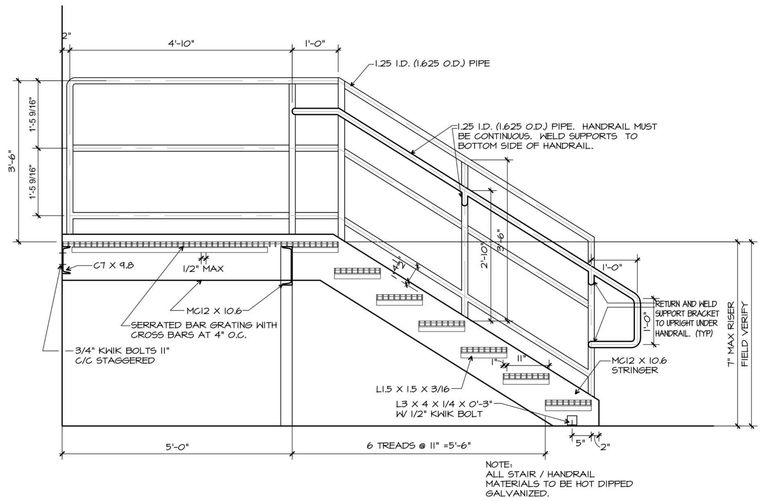
SHEET NUMBER
A 501
24179.00



1 / A 502 TYPICAL EXTERIOR HAND / GUARD RAIL SECTION
1 1/2" = 1'-0"



2 A502 Stair Detail
SCALE: 3/4"=1'-0"



3 A502 Stair Detail
SCALE: 3/4"=1'-0"

4 A 502 STAIR PLAN
3/4" = 1'-0"

5 A 502 STAIR SECTION
3/4" = 1'-0"

6 A 502 TYPICAL FENCE AND PIER DETAIL
1/4" = 1'-0"

7 A 502 BOLLARD DETAIL
1" = 1'-0"

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PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

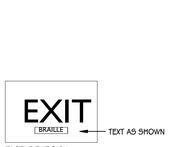
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

SHEET TITLE
MISCELLANEOUS DETAILS

DATE
April 24, 2025

SHEET NUMBER
A 502
24179.00



TACTILE EXIT SIGN
6"W x 4"H
TYPE "A"

FIRE EXTINGUISHER SIGN
8-1/2"W x 9"H
TYPE "B"

RESTROOM IDENTIFICATION SIGN
6-1/2"W x 9"H
TYPE "C"

RESTROOM IDENTIFICATION SIGN
6-1/2"W x 9"H
TYPE "D"

ROOM NAME IDENTIFICATION SIGN
6-1/2"x 9"
TYPE "E"

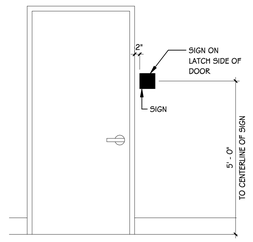
ROOM NAME IDENTIFICATION SIGN
8"x 4"
TYPE "F"

MAXIMUM OCCUPANCY SIGN
8"W X 5"H
TYPE "G"

RESTROOM IDENTIFICATION SIGN
6-1/2"W x 9"H
TYPE "H"

Typical Interior Signage Elevations

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



Interior Signage Mounting

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

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PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

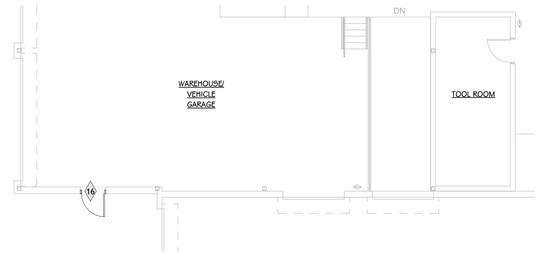
OWNER
HARRISON REMC

1165 OLD FOREST
RD, CORYDON, IN
47112

SHEET TITLE
INTERIOR SIGNAGE

DATE
April 24, 2025

SHEET NUMBER
A 901
24179.00



WAREHOUSE/VEHICLE GARAGE FINISH PLAN
1/8" = 1'-0"

General Finish Plan Notes:

1. CONTRACTOR IS RESPONSIBLE TO PROVIDE A SMOOTH AND LEVEL TRANSITION BETWEEN DIFFERENT FLOOR FINISHES. CONTRACTOR TO PROVIDE TRANSITION STRIP BETWEEN ALL DISSIMILAR FLOORING MATERIALS. SEE THIS SHEET FOR DETAILS.
2. 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.
3. ALL COLUMNS IN ROOMS AND AREAS ARE TO BE FINISHED TO MATCH WALL SURFACES OF THAT SPACE OR ADJACENT WALLS, UNLESS OTHERWISE NOTED.
4. SEE REFLECTED CEILING PLANS FOR ALL CEILING HEIGHTS AND CLARIFICATION OF MATERIALS.
5. TRANSITIONS BETWEEN DISSIMILAR FLOORING MATERIALS SHOULD OCCUR AT CENTER LINE OF DOOR OPENING. U.O.N
6. INSTALL ALL MATERIALS PER MANUFACTURER'S RECOMMENDATIONS INCLUDING ADHESIVES AND PRIMERS.

FINISH SCHEDULE

Flooring

- C1 — MODULAR CARPET TILE- "INTERFACE" 9.845" X 39.38" PATTERN- EG16 COLOR- 103347 PLATINUM INSTALLATION- ASHLAR
- C2 — MODULAR WALK-OFF CARPET- "INTERFACE" 19.69" X 19.69" PATTERN- SR 899 COLOR- 104936 SMOKE INSTALLATION- MONOLITHIC
- V1 — LUXURY VINYL TILE- "INTERFACE" 9.845" X 39.38" PATTERN- CLIFF COLOR- A02403 LIMESTONE INSTALLATION- ASHLAR
- V2 — LUXURY VINYL TILE- "INTERFACE" 19.69" X 19.69" PATTERN- RIDGE COLOR- A02304 AGATE INSTALLATION- QUARTER-TURN
- PT1 — PORCELAIN TILE- "ATLAS CONCORDE" 8" X 40" PATTERN- HOMELAND COLOR- RYE GROUT COLOR- TO BE SELECTED BY ARCHITECT INSTALLATION- STAGGERED JOINT

Flooring cont.

- PT2 — PORCELAIN TILE- "ATLAS CONCORDE" 12" X 24" PATTERN- FORGE COLOR- ALUMINUM GROUT COLOR- COLOR TO BE SELECTED BY ARCHITECT INSTALLATION- 33% OFFSET
- SC — SEALED CONCRETE- "SONNEBORN" "KURE-N-SEAL" COLOR- CLEAR (1) COATS FOLLOWING CLEANING 4 PRIOR TO FINAL INSPECTION
- FC — CONCRETE FLOOR COATING- SEE SPECIFICATION 09 97 23 COLOR TO BE SELECTED BY ARCH.

Base

- B1 — RUBBER MILLWORK BASE- "TARKETT" REVEAL COLOR- BURNT UMBER 6" HIGH
- EF — EXISTING BASE- NO FINISH WORK REQUIRED UNLESS OTHERWISE NOTED
- NB — NO BASE- NO FINISH WORK REQUIRED UNLESS OTHERWISE NOTED

Walls

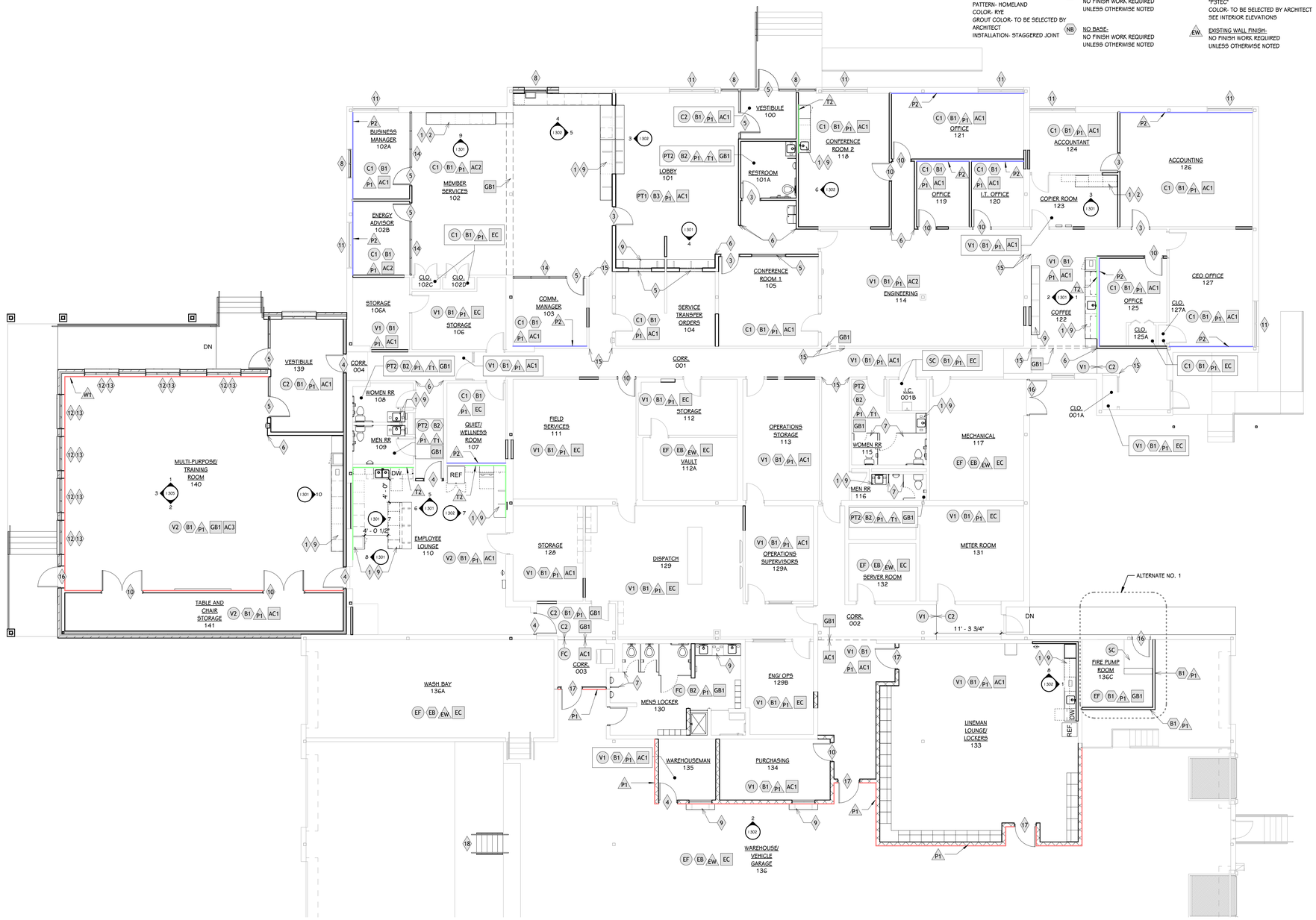
- P1 — FIELD PAINT- FINISH PAINT, ALL EXPOSED SURFACES: "SHERWIN WILLIAMS" COLOR- SW 7006 EXTRA WHITE
- P2 — ACCENT PAINT- FINISH PAINT, ALL EXPOSED SURFACES: "SHERWIN WILLIAMS" COLOR- SW 6220 INTERESTING AQUA
- T1 — PORCELAIN WALL TILE- "ATLAS CONCORDE" FORGE 12" X 24" COLOR- ALUMINUM INSTALLATION- SEE ELEVATIONS ON I-300 SERIES DRAWINGS
- T2 — GLAZED CERAMIC WALL TILE- "DALTILE" ARTIGIANO 3" X 12" COLOR- ROMAN SKYLLINE AR98 INSTALLATION- SEE ELEVATIONS ON I-300 SERIES DRAWINGS
- W1 — WALL PROTECTION- "P3TEC" PATTERN- INFINITY COLOR- IVORY HEIGHT- 3' 6 1/2" TOP CAP TRIM "P3TEC" COLOR- TO BE SELECTED BY ARCHITECT SEE INTERIOR ELEVATIONS
- EW — EXISTING WALL FINISH- NO FINISH WORK REQUIRED UNLESS OTHERWISE NOTED

Ceilings

- AC1 — ACOUSTICAL CEILING- SEE SPECIFICATION SECTION 09 51 13
- AC2 — ACOUSTICAL CEILING (HIGH NRC)- SEE SPECIFICATION SECTION 09 51 13
- AC3 — ACOUSTICAL CEILING PANELS- "TRASCH" LINYFELT VARIABLE HEIGHT LAYOUT 8' X 2' COLOR- 44 IVORY SEE A 203 FOR INSTALLATION LOCATIONS
- GB1 — GYPSUM BOARD CEILING- FINISH PAINT ALL EXPOSED SURFACES "SHERWIN WILLIAMS" COLOR- SW 7006 EXTRA WHITE SMOOTH TEXTURE AND FINISH REQUIRED
- ES — EXPOSED STRUCTURE- NO FINISH WORK REQUIRED
- EC — EXISTING CEILING- NO FINISH WORK REQUIRED UNLESS OTHERWISE NOTED

Specialties

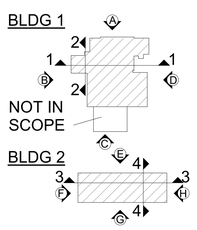
1. PLASTIC LAMINATE CASEWORK- ALL EXPOSED SURFACES; "WILSONART" COLOR- MAGNOLIA 5012K-19
2. PLASTIC LAMINATE COUNTERTOP- ALL EXPOSED SURFACES; "WILSONART" COLOR- PEARL SOAPSTONE 4886-38
3. WOOD DOOR & HOLLOW METAL FRAME- DOOR SPECIES- WHITE OAK PLAIN SLICED STAIN COLOR- CUSTOM STAIN TO MATCH EXISTING DOORS METAL FRAME- FINISH PAINT, ALL EXPOSED SURFACES; "SHERWIN WILLIAMS" COLOR- SW 7069 IRON ORE
4. HOLLOW METAL DOOR & FRAME- FINISH PAINT, ALL EXPOSED SURFACES "SHERWIN WILLIAMS" COLOR- SW 7069 IRON ORE
5. ALUMINUM STOREFRONT- PRE-FINISHED
6. CORNER GUARD- "MOMENTUM" P3TEC CORNER GUARD 4'-0" HIGH, 1 1/2" LEG LENGTH COLOR- CG130 CHINA CLAY
7. SOLID PLASTIC TOILET PARTITIONS & URINAL SCREEN- "TINY HIDERS" COLOR- BLACK TEXTURE- ORANGE PEEL
8. WINDOW SHADES- "SHEERWEAVE" STYLE- 2360 10% OPENNESS COLOR- V21 CHARCOAL
9. SOLID SURFACE COUNTERTOP- ALL EXPOSED SURFACES; "CORIAN" COLOR- NEUTRAL CONCRETE
10. SALVAGED WOOD DOOR AND METAL FRAME- METAL FRAME- FINISH PAINT, ALL EXPOSED SURFACES; "SHERWIN WILLIAMS" COLOR- SW 7069 IRON ORE TOUCH UP STAIN ON WOOD DOORS
11. EXISTING WINDOW SHADES- EXISTING WINDOW SHADES TO REMAIN
12. DUAL WINDOW SHADES- DUAL ROLLER SHADES; MESH SHADE FABRIC- "SHEERWEAVE" STYLE 2360, 10% OPENNESS; COLOR- V21 CHARCOAL; BLACKOUT SHADE FABRIC- "SHEERWEAVE" STYLE 7100 BLACKOUT, 0% OPENNESS COLOR- V21 CHARCOAL
13. SOLID SURFACE WINDOW SILL- ALL EXPOSED SURFACES; "CORIAN" COLOR- DEEP NOCTURNE
14. DECORATIVE WINDOW FILM- "3M" CRYSTAL GLASS FINISHES STYLE- 77255E-324 FROSTED CRYSTAL SEE WINDOW ELEVATIONS FOR PLACEMENT AND DIMENSIONS
15. CORNER GUARD- "INPRO" 150 HIGH IMPACT CORNER GUARD 8'-0" HIGH, 3" WING COLOR- TO BE SELECTED BY ARCHITECT
16. HOLLOW METAL DOOR & FRAME- FINISH PAINT, ALL EXPOSED INTERIOR SURFACES "SHERWIN WILLIAMS" COLOR- MATCH ADJACENT WALL FINISH PAINT, ALL EXPOSED EXTERIOR SURFACES "SHERWIN WILLIAMS" COLOR- TO BE SELECTED BY ARCHITECT
17. FRP DOOR AND HOLLOW METAL FRAME- PRE-FINISHED DOOR COLOR- TO BE SELECTED BY ARCHITECT FINISH PAINT FRAME, ALL EXPOSED SURFACES "SHERWIN WILLIAMS" COLOR- 7006 EXTRA WHITE
18. STEEL STAIRS, GUARDRAILS AND HANDRAILS FINISH PAINT, ALL EXPOSED SURFACES "SHERWIN WILLIAMS" COLOR- TO BE SELECTED BY ARCHITECT



FIRST FLOOR FINISH PLAN - AREA A
1/8" = 1'-0"

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

HARRISON REMC - RENOVATION



KEY PLAN
SCALE: NO SCALE

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KYLE A. WILSON
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NO. AR1900004
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ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
HARRISON REMC - ADDITION & RENOVATION

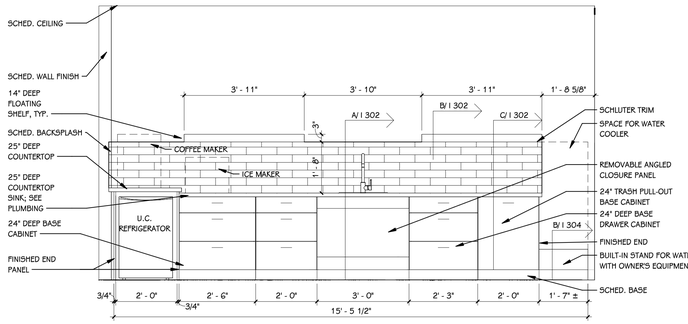
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

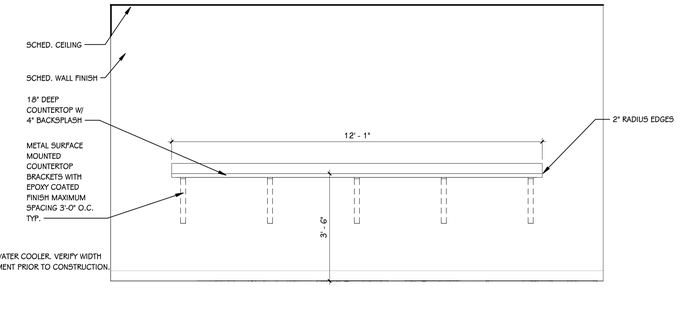
SHEET TITLE
FIRST FLOOR FINISH PLAN & SCHEDULE - BUILDING 1

DATE
April 24, 2025

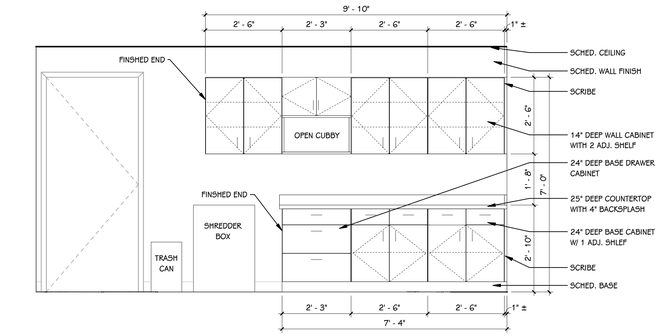
SHEET NUMBER
I 101
24179.00



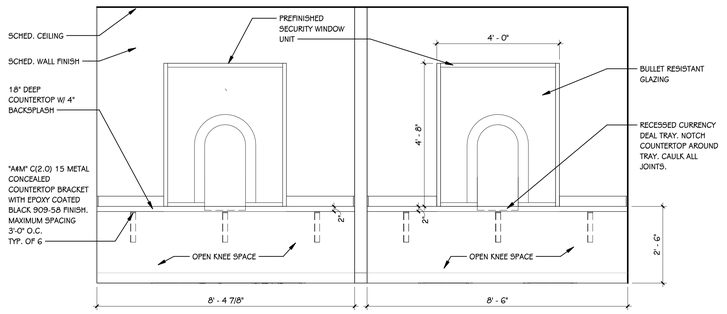
1 / I 301 Coffee East Casework Elevation
1/2" = 1'-0"



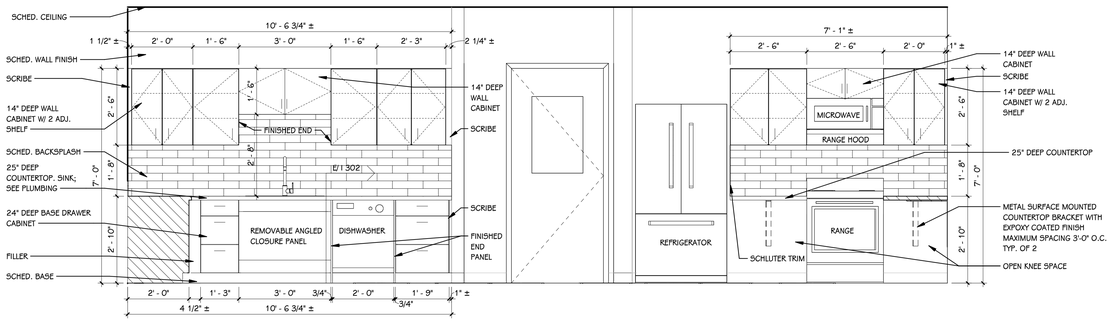
2 / I 301 Coffee West 122 Casework Elevation
1/2" = 1'-0"



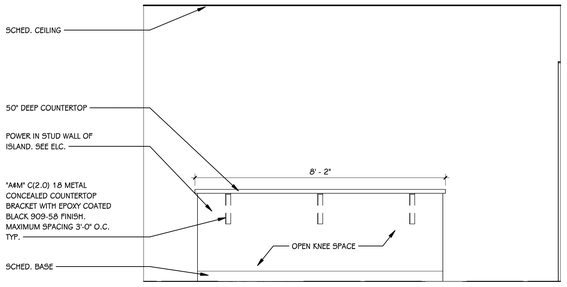
3 / I 301 Copier 123 Casework Elevation
1/2" = 1'-0"



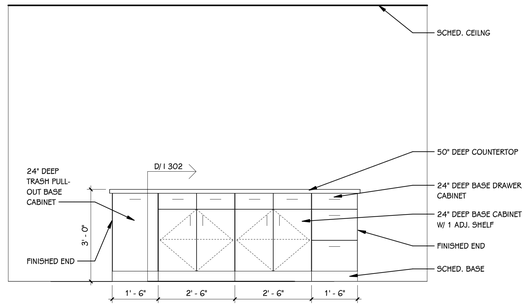
4 / I 301 Service Transfer Orders 104 Casework Elevation
1/2" = 1'-0"



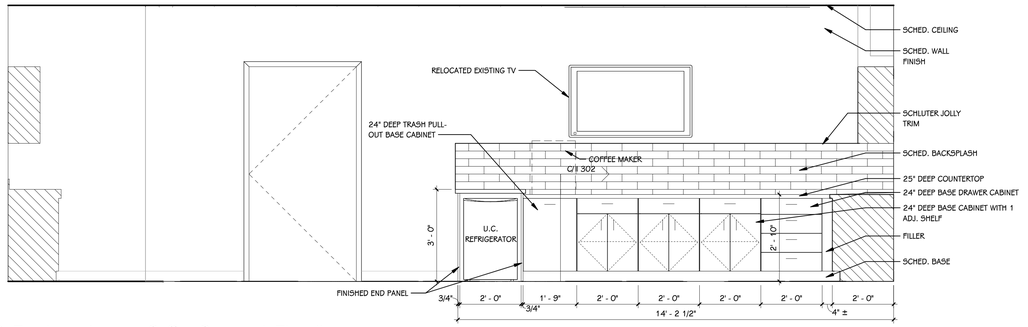
5 / I 301 Employee Lounge 110 Casework Elevation
1/2" = 1'-0"



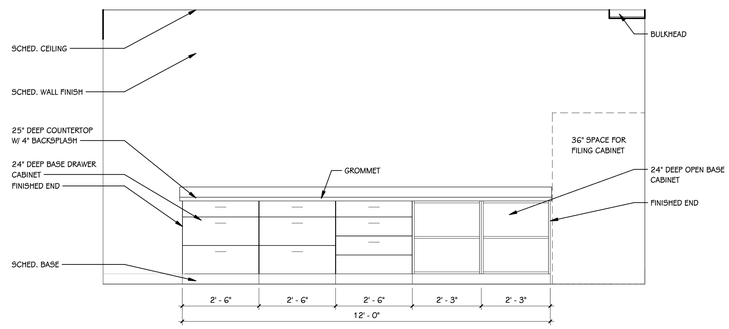
6 / I 301 Employee Lounge 110 Island Casework Elevation
1/2" = 1'-0"



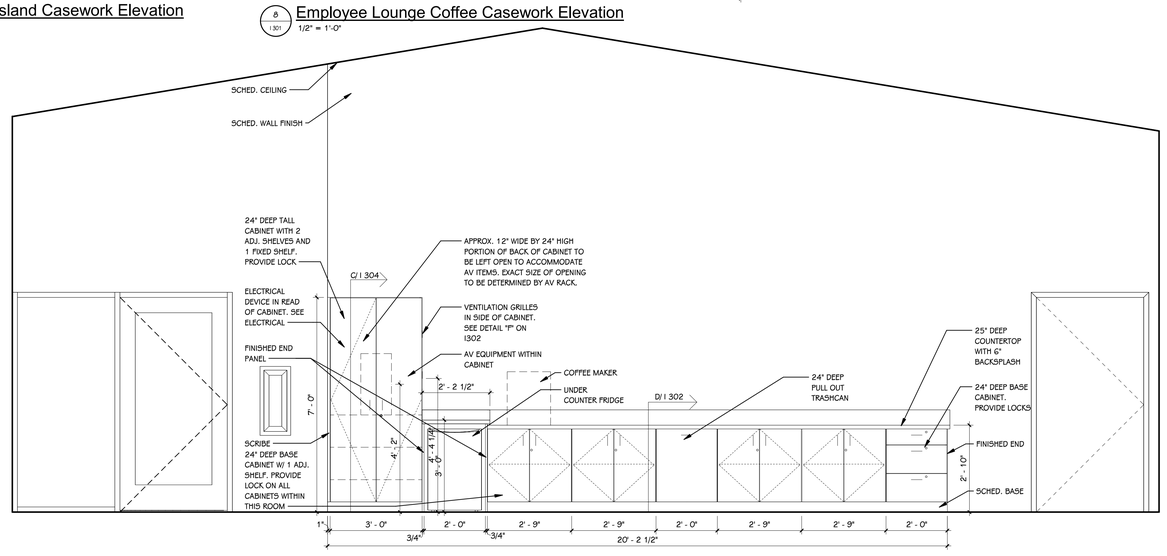
7 / I 301 Employee Lounge 110 Island Casework Elevation
1/2" = 1'-0"



8 / I 301 Employee Lounge Coffee Casework Elevation
1/2" = 1'-0"



9 / I 301 Member Services 110 North Casework Elevation
1/2" = 1'-0"



10 / I 301 Multi-Purpose/Training Room 140 Casework Elevation
1/2" = 1'-0"

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PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

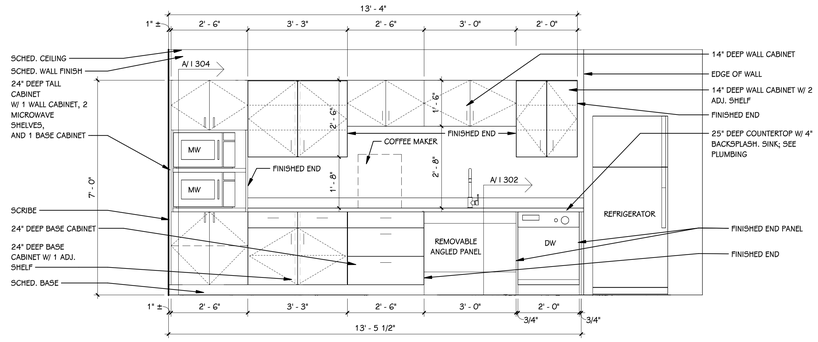
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

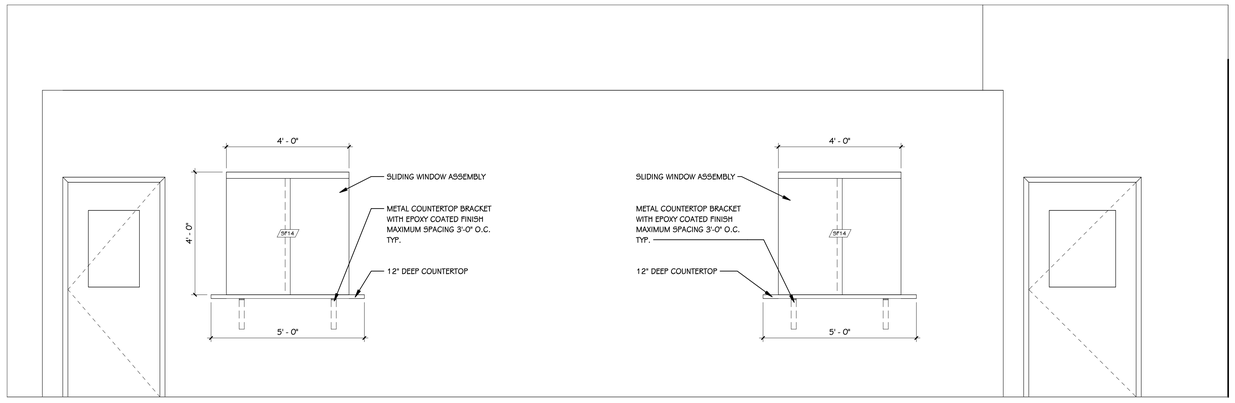
SHEET TITLE
INTERIOR ELEVATIONS

DATE
April 24, 2025

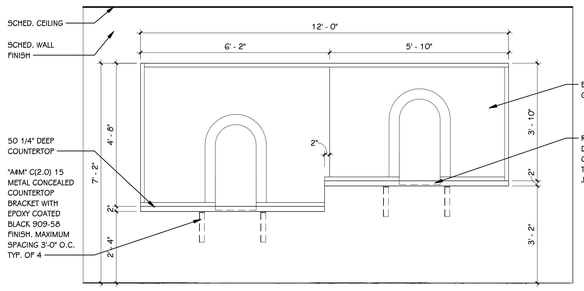
SHEET NUMBER
I 301
24179.00



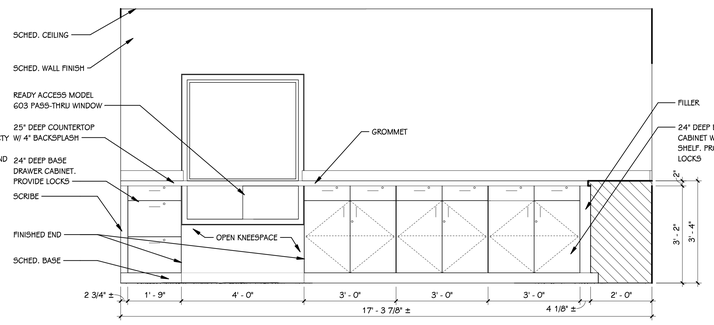
1 / I 302 Lineman Lounge 133 Casework Elevation
1/2" = 1'-0"



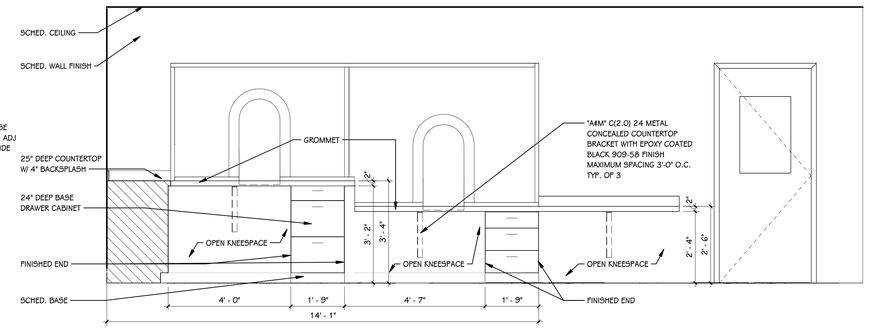
2 / I 302 Warehouse 136 North Casework Elevation
1/2" = 1'-0"



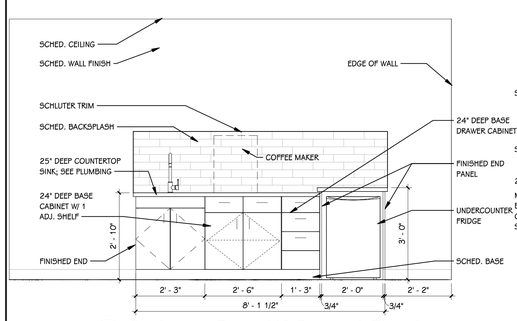
3 / I 302 Lobby Reception 101 Casework Elevation
1/2" = 1'-0"



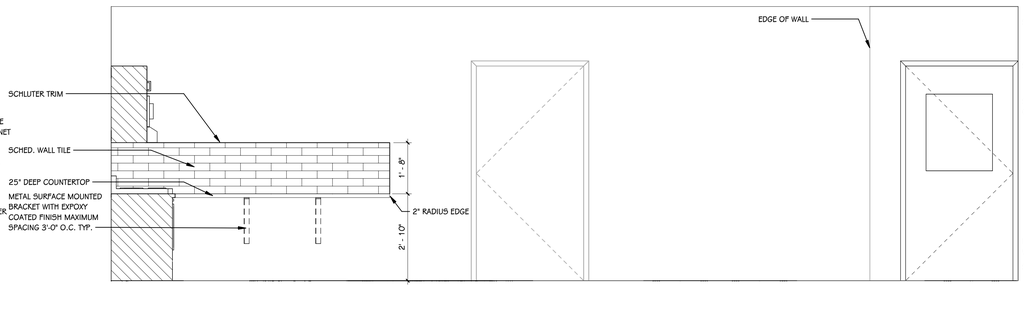
4 / I 302 Drive-Thru 102 Casework Elevation
1/2" = 1'-0"



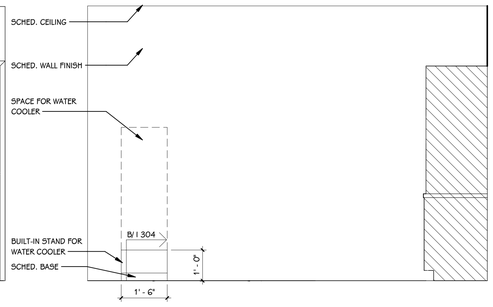
5 / I 302 Employee Side Reception 102 Casework Elevation
1/2" = 1'-0"



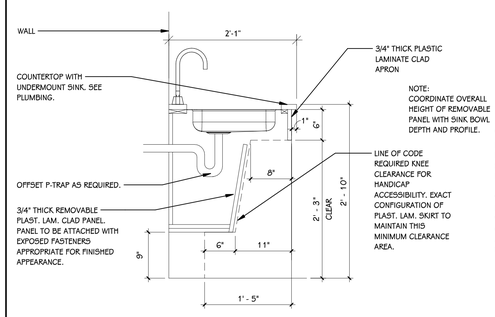
6 / I 302 Conference Room 118 Casework Elevation
1/2" = 1'-0"



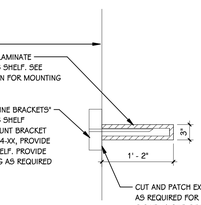
7 / I 302 Employee Lounge East 110 Casework Elevation
1/2" = 1'-0"



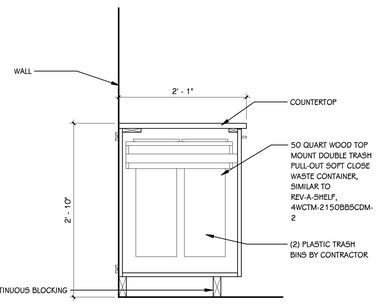
8 / I 302 Lineman Lounge 133 North Elevation
1/2" = 1'-0"



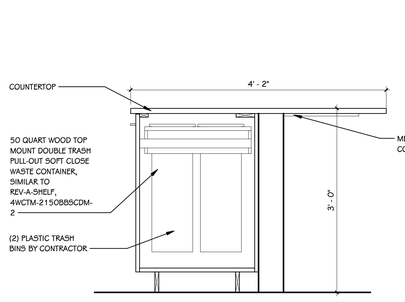
A / I 302 Sink Detail
1" = 1'-0"



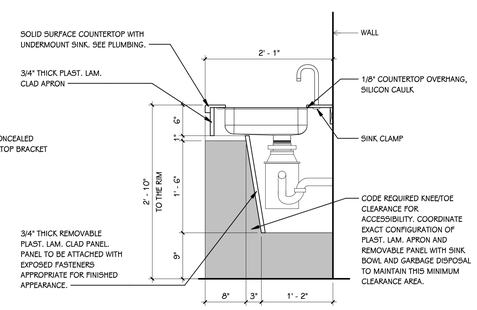
B / I 302 Floating Shelf Detail
1" = 1'-0"



C / I 302 Pull Out Trash Cabinet Detail
1" = 1'-0"



D / I 302 Pull Out Trash Island Cabinet Detail
1" = 1'-0"



E / I 302 Sink with Garbage Disposal Detail
1" = 1'-0"

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NO. AR11900004
STATE OF
INDIANA
ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

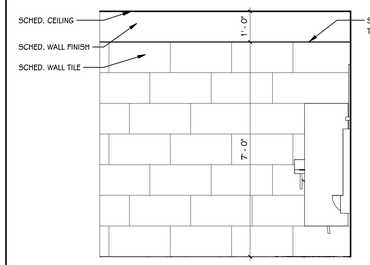
OWNER
HARRISON REMC

1165 OLD FOREST
RD, CORYDON, IN
47112

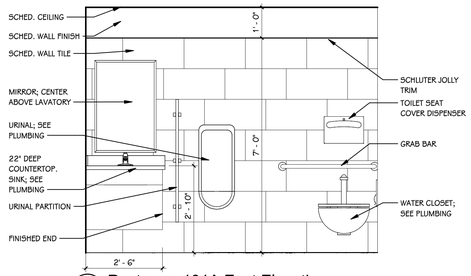
SHEET TITLE
INTERIOR ELEVATIONS

DATE
April 24, 2025

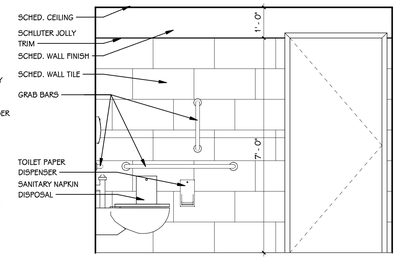
SHEET NUMBER
I 302
24179.00



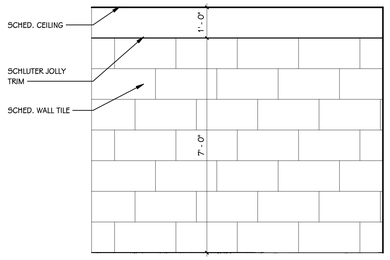
1 / I 303 Restroom 101A North Elevation
1/2" = 1'-0"



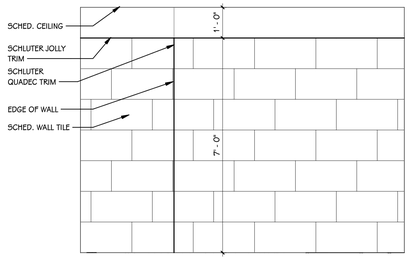
2 / I 303 Restroom 101A East Elevation
1/2" = 1'-0"



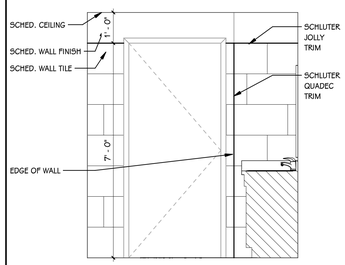
3 / I 303 Restroom 101A South Elevation
1/2" = 1'-0"



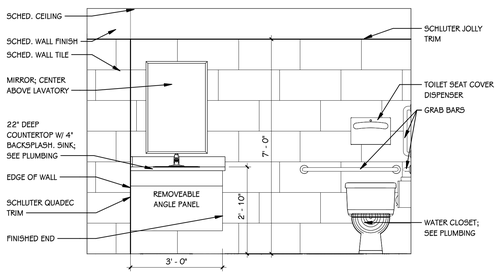
4 / I 303 Restroom 101A West Elevation
1/2" = 1'-0"



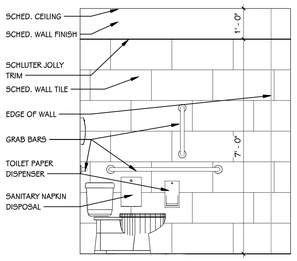
5 / I 303 Restroom 108 North Elevation
1/2" = 1'-0"



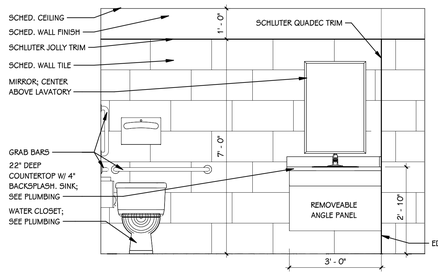
6 / I 303 Restroom 108 East Elevation
1/2" = 1'-0"



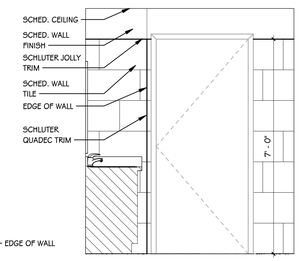
7 / I 303 Restroom 108 South Elevation
1/2" = 1'-0"



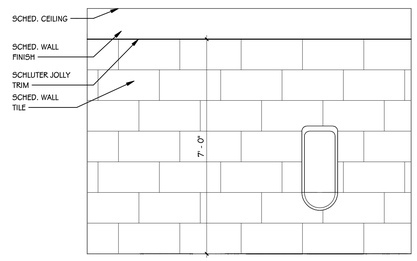
8 / I 303 Restroom 108 West Elevation
1/2" = 1'-0"



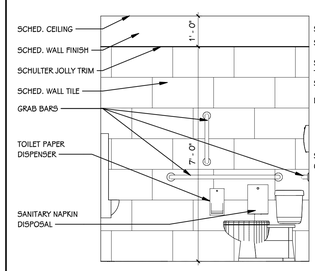
9 / I 303 Restroom 109 North Elevation
1/2" = 1'-0"



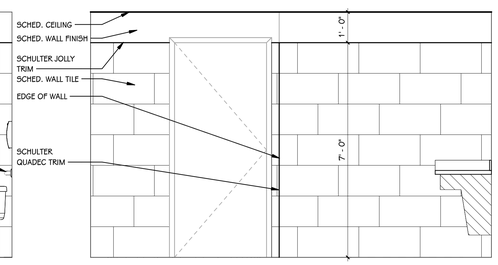
10 / I 303 Restroom 109 East Elevation
1/2" = 1'-0"



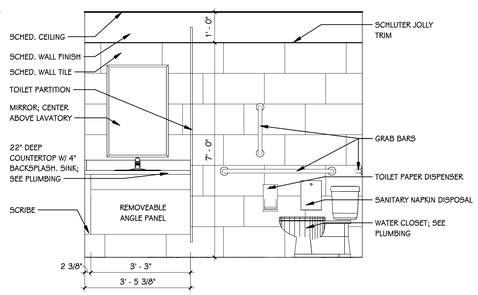
11 / I 303 Restroom 109 South Elevation
1/2" = 1'-0"



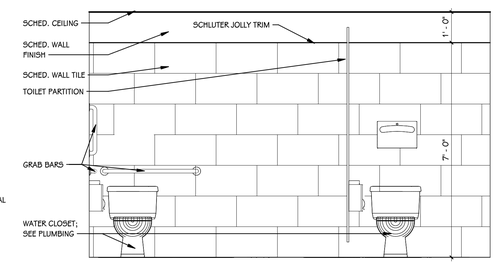
12 / I 303 Restroom 109 West Elevation
1/2" = 1'-0"



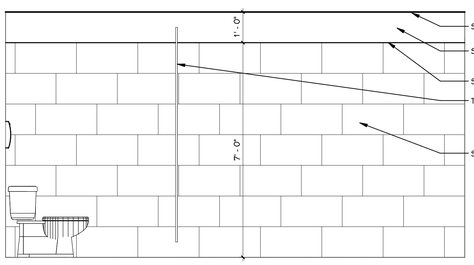
13 / I 303 Women's 115 North Elevation
1/2" = 1'-0"



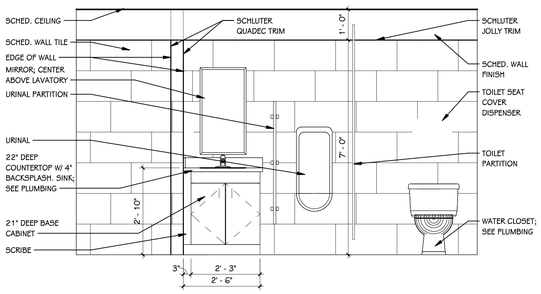
14 / I 303 Women's 115 East Elevation
1/2" = 1'-0"



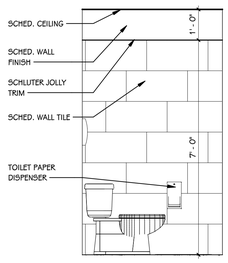
15 / I 303 Women's 115 South Elevation
1/2" = 1'-0"



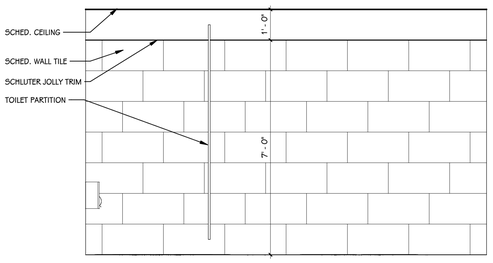
16 / I 303 Women's 115 West Elevation
1/2" = 1'-0"



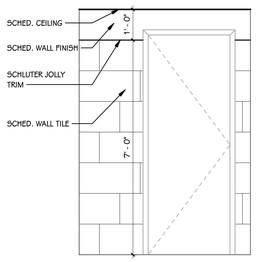
17 / I 303 Men's 116 North Elevation
1/2" = 1'-0"



18 / I 303 Men's 116 East Elevation
1/2" = 1'-0"



19 / I 303 Men's 116 South Elevation
1/2" = 1'-0"



20 / I 303 Men's 116 West Elevation
1/2" = 1'-0"

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KYLE A. WILSON
REGISTERED
NO. AR11900004
STATE OF INDIANA
ARCHITECT

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

PROJECT TITLE
Harrison REMC - ADDITION & RENOVATION

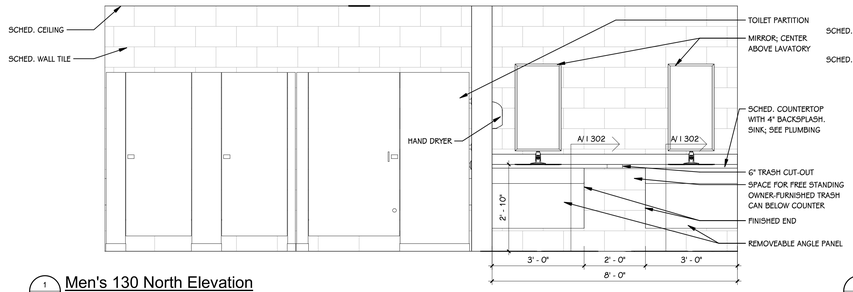
OWNER
HARRISON REMC

1165 OLD FOREST RD, CORYDON, IN 47112

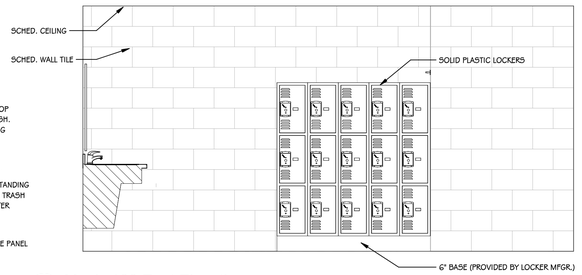
SHEET TITLE
INTERIOR ELEVATIONS

DATE
April 24, 2025

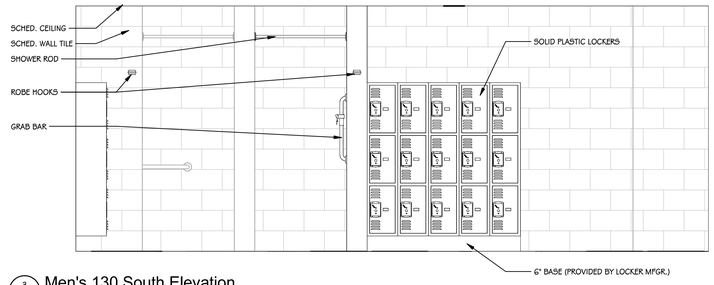
SHEET NUMBER
I 303
24179.00



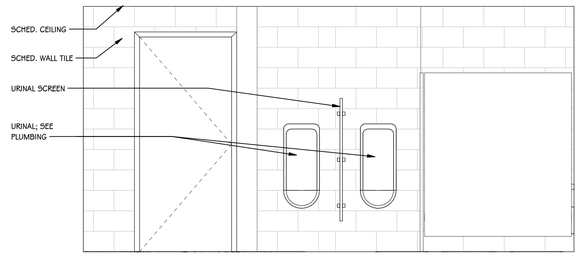
1 / I 304 Men's 130 North Elevation
1/2" = 1'-0"



2 / I 304 Men's 130 East Elevation
1/2" = 1'-0"

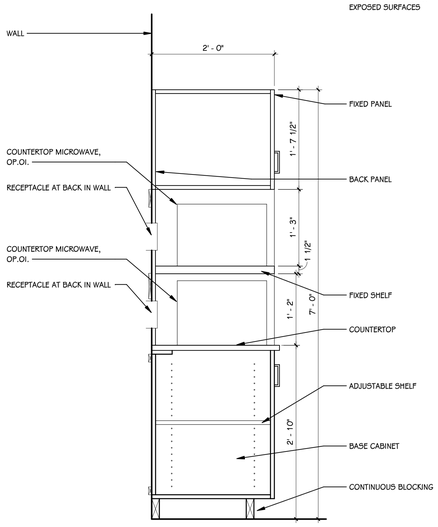


3 / I 304 Men's 130 South Elevation
1/2" = 1'-0"

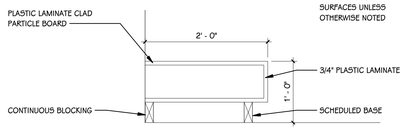


4 / I 304 Men's 130 West Elevation
1/2" = 1'-0"

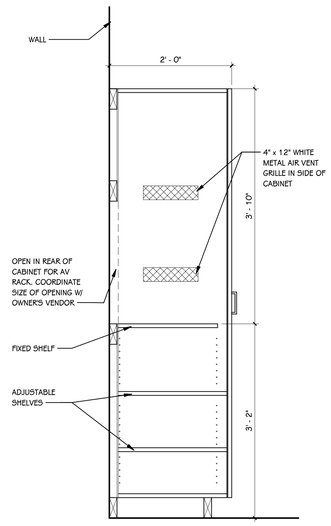
NOTE:
PLASTIC LAMINATE ALL EXPOSED SURFACES



A / I 304 Microwave Cabinet Detail
1" = 1'-0"



B / I 304 Water Cooler Stand Detail
1" = 1'-0"



C / I 304 AV Cabinet Detail
1" = 1'-0"

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SHEET TITLE
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DATE
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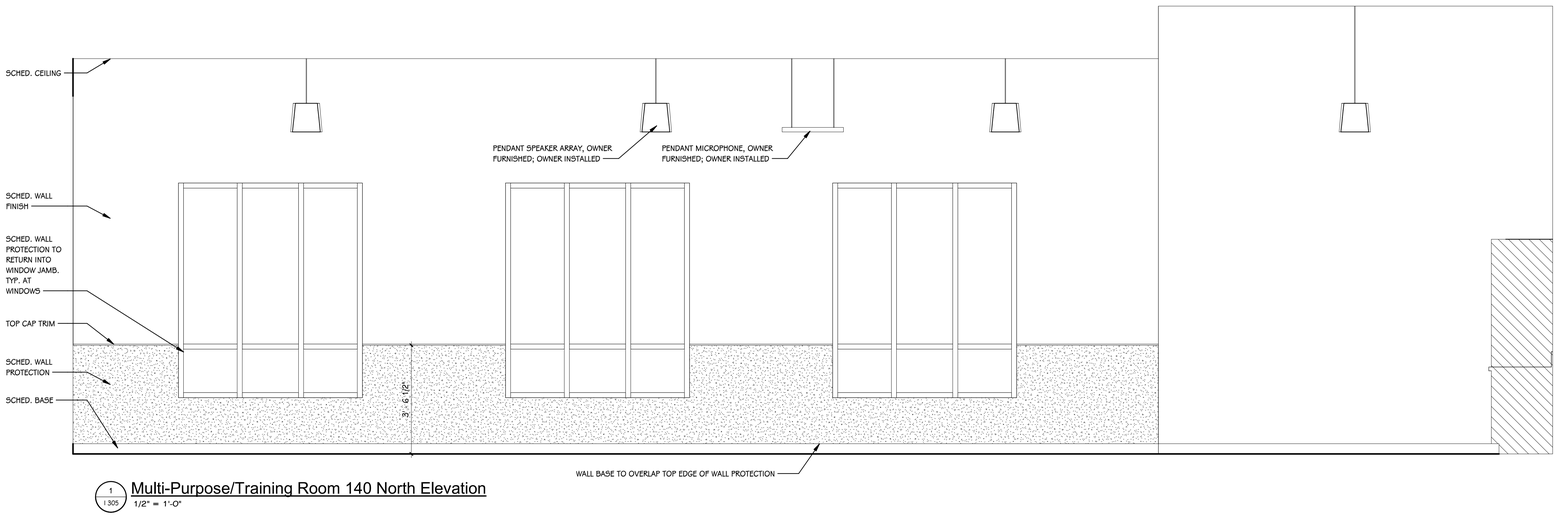
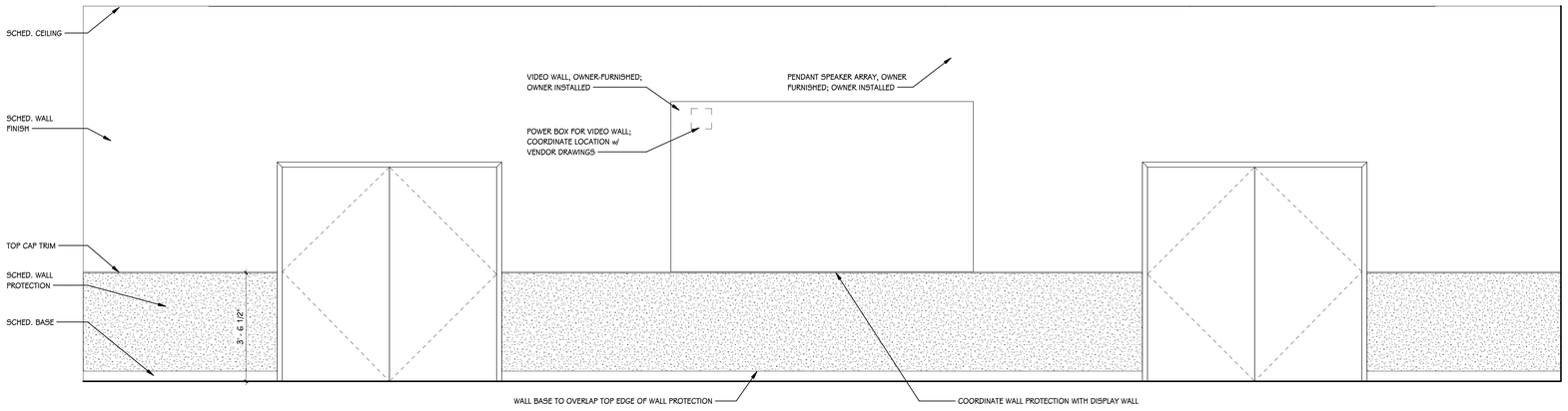
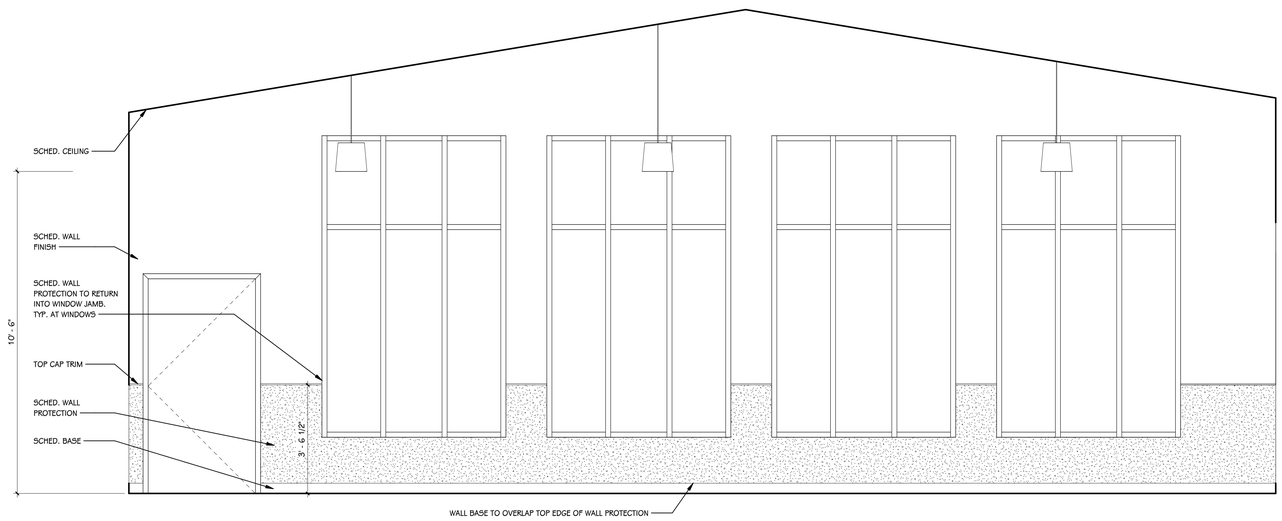
SHEET NUMBER
I304
24179.00



1 / I-305 Multi-Purpose/Training Room 140 North Elevation
1/2" = 1'-0"



2 / I-305 Multi-Purpose/Training Room 140 South Elevation
1/2" = 1'-0"



3 / I-305 Multi-Purpose/Training Room 140 West Elevation
1/2" = 1'-0"

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DATE
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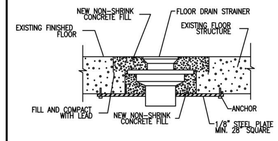
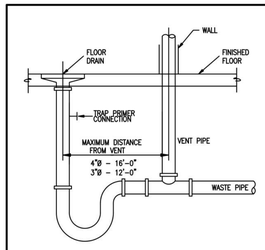
I 305
24179.00



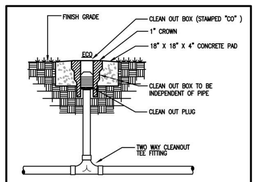
NEW FLOOR DRAIN IN EXISTING SLAB

NOT TO SCALE



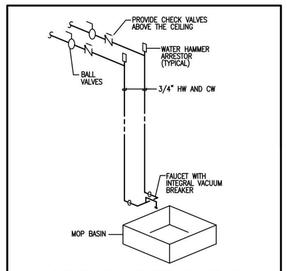
FLOOR DRAIN DETAIL

NOT TO SCALE



2-WAY EXTERIOR CLEANOUT DETAIL

NOT TO SCALE



MOP BASIN DETAIL (P-8)

NOT TO SCALE

GENERAL NOTES

1. 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.
2. 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 PROPOSERS' DISCRETION.
3. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
4. 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.
5. 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.
6. DO NOT SCALE FROM DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
7. 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.
8. TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCT WORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.
9. 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.
10. 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.
11. ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
12. 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.
13. 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).
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. PROVIDE ½" ARMAFLEX CLOSED CELL, SELF SEALING PIPE INSULATION WHERE WATER PIPING COMES INTO CONTACT WITH CONCRETE. THIS APPLIES TO DOMESTIC AND SPRAYGROUND PIPING.
23. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF PLUMBING VENTS THRU ROOF.

PLUMBING FIXTURE SCHEDULE

DESIGNATOR	FIXTURE	CW	HW	SAN	VENT
P-1	WATER CLOSET – FLUSH TANK – FLOOR-SET	1"	---	4"	2"
P-1A	WATER CLOSET – FLUSH TANK – FLOOR-SET – ADA HEIGHT	1"	---	4"	2"
P-1B	WATER CLOSET – FLUSH VALVE – FLOOR-SET	1½"	---	4"	2"
P-1C	WATER CLOSET – FLUSH VALVE – FLOOR-SET – ADA HEIGHT	1½"	---	4"	2"
P-2	URINAL	¾"	---	2"	1½"
P-3	LAVATORY – UNDERMOUNT PORCELAIN SINGLE HANDLE FAUCET SINK – ADA COMPLIANT	½"	½"	2"	1½"
P-4	STAINLESS STEEL 17"x20"x5" SINGLE BOWL UNDERMOUNT W/ INTEGRAL SPRAYER	½"	½"	2"	1½"
P-4A	STAINLESS STEEL 17"x20"x5" SINGLE BOWL UNDERMOUNT ADA SINK W/ INTEGRAL SPRAYER	½"	½"	2"	1½"
P-5	SHOWER – FITTING SET WITH DRAIN	½"	½"	2"	1½"
P-6	STAINLESS STEEL DUAL COMPARTMENT UNDERMOUNT ADA SINK	½"	½"	2"	1½"
P-7	DRINKING FOUNTAIN / BOTTLE FILL STATION	½"	---	1½"	1½"
P-8	JANITOR MOP BASIN	¾"	¾"	3"	2"
P-9	WATER CONNECTION BOX	½"	---	---	---
FD-1	FINISHED SPACE FLOOR DRAIN	---	---	3"	2"
FD-2	UTILITY FLOOR DRAIN	---	---	4"	4"

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 "P" 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.

PLUMBING LEGEND

ABOVE FINISHED FLOOR	AFF
BELOW FINISHED FLOOR	BFF
CAST IRON	CI
CLEANOUT	CO
COLD WATER	CW
DOMESTIC WATER CIRCULATING PUMP	DP
ELECTRICAL CONTRACTOR	EC
EXPANSION TANK	ET
EXTERIOR CLEANOUT	ECO
FLOOR DRAIN	FD
FLOOR SINK	FS
FREEZE PROOF WALL HYDRANT	FPWH
FREEZE PROOF ROOF HYDRANT	FPRH
GENERAL CONTRACTOR	GC
GREASE INTERCEPTOR	GI
HOSE BIBB	HB
HOT WATER	HW
INVERT ELEVATION	IE
MECHANICAL CONTRACTOR	MC
MIXING VALVE	MV
NEUTRALIZATION TANK	NT
OWNER FURNISHED CONTRACTOR INSTALLED	OFCI
OPEN RECEPTACLE	OR
OPEN RECEPTACLE	OR
PLUMBING CONTRACTOR	PC
POLYVINYL CHLORIDE	PVC
ROOF DRAIN	RD
SUMP PUMP	SP
TRAP PRIMER	TP
TRENCH DRAIN	TD
TYPICAL	TYP
VENT THROUGH ROOF	VTR
WATER HAMMER ARRESTOR	WHA
WATER HEATER	WH
WATER SOFTENER	WS
EXISTING SANITARY PIPING	E(SAN)
EXISTING STORM PIPING	E(SS)
EXISTING OVERFLOW STORM PIPING	E(OSS)
EXISTING SANITARY VENT PIPING	E(V)
EXISTING DOMESTIC COLD WATER PIPING	E(CW)
EXISTING SOFTENED DOMESTIC COLD WATER	E(CSW)
EXISTING DOMESTIC HOT WATER PIPING	E(HW)
EXISTING DOMESTIC HOT WATER RETURN PIPING	E(HWR)
EXISTING NATURAL GAS PIPING	E(GAS)
DEMO SANITARY PIPING	D-E(SAN)
DEMO STORM PIPING	D-E(SS)
DEMO OVERFLOW STORM PIPING	D-E(OSS)
DEMO SANITARY VENT PIPING	D-E(V)
DEMO DOMESTIC COLD WATER PIPING	D-E(CW)
DEMO DOMESTIC HOT WATER PIPING	D-E(HW)
DEMO DOMESTIC HOT WATER RETURN PIPING	D-E(HWR)
DEMO NATURAL GAS PIPING	D-E(GAS)
SANITARY PIPING	SAN
GREASE WASTE PIPING	GW
STORM PIPING	SS
OVERFLOW STORM PIPING	OSS
GREASE WASTE PIPING	GL
OIL WASTE PIPING	OIL
SANITARY VENT PIPING	V
DOMESTIC COLD WATER PIPING	
DOMESTIC HOT WATER PIPING (120° F)	
DOMESTIC HOT WATER RETURN PIPING (120° F)	
DOMESTIC HOT WATER PIPING (140° F)	140
DOMESTIC HOT WATER RETURN PIPING (140° F)	140R
FILTERED COLD WATER	FCW
DEIONIZED WATER	DI
TRAP PRIMER PIPING	TP
RELIEF VALVE DISCHARGE	RVD
PRESSURE RELIEF VALVE	
UNION	
DIAL THERMOMETER	
PRESSURE GAUGE	
GATE VALVE	
BALANCING VALVE	
SOLENOID VALVE	
GAS SHUT-OFF VALVE	
CHECK VALVE	
DOUBLE CHECK VALVE ASSEMBLY	
BALL VALVE	
BALL VALVE IN RISER	
PIPING ELBOW (TURNED UP/DOWN)	
PIPING TEE (TURNED UP/DOWN)	
REDUCED PRESSURE BACKFLOW PREVENTER	
PRESSURE REDUCING VALVE	

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DOUGLAS R. HUNDLEY REGISTERED NO. PE122005 STATE OF INDIANA PROFESSIONAL ENGINEER

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

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10411 Meeting Street | Louisville, KY 40059 | 502.329.3065 | cmta.com

PROJECT TITLE
Harrison REMC - Additions and Renovations

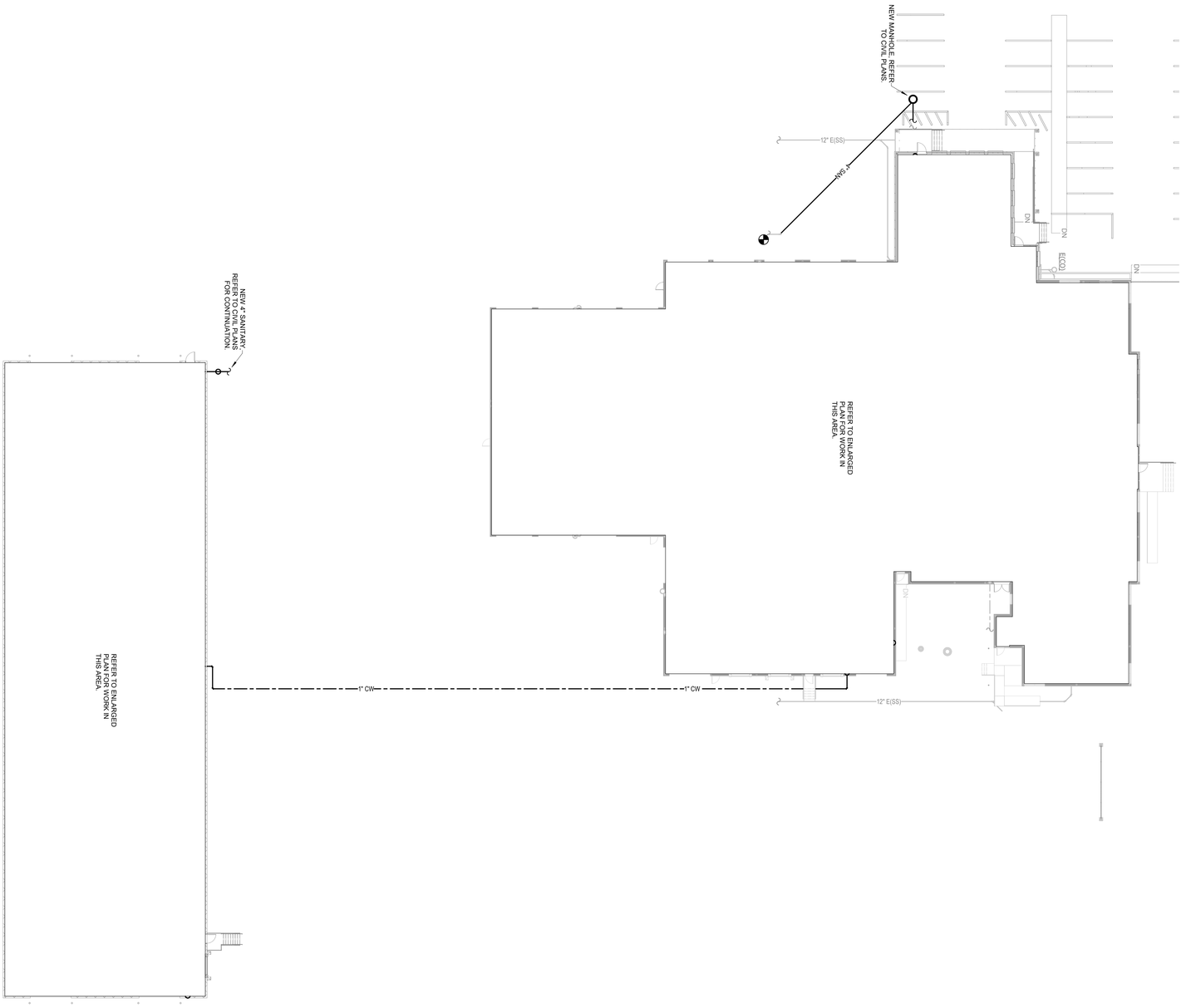
OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
PLUMBING LEGEND AND GENERAL NOTES

DATE
April 16, 2025

SHEET NUMBER
P100
24179.00

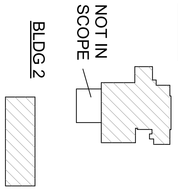


PLUMBING - SITE PLAN

1" = 20'-0"

KEY PLAN

SCALE: NO SCALE



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SHEET TITLE
PLUMBING SITE UTILITY PLAN

SHEET NUMBER
P101
24179.00

DATE
April 16, 2025

OWNER
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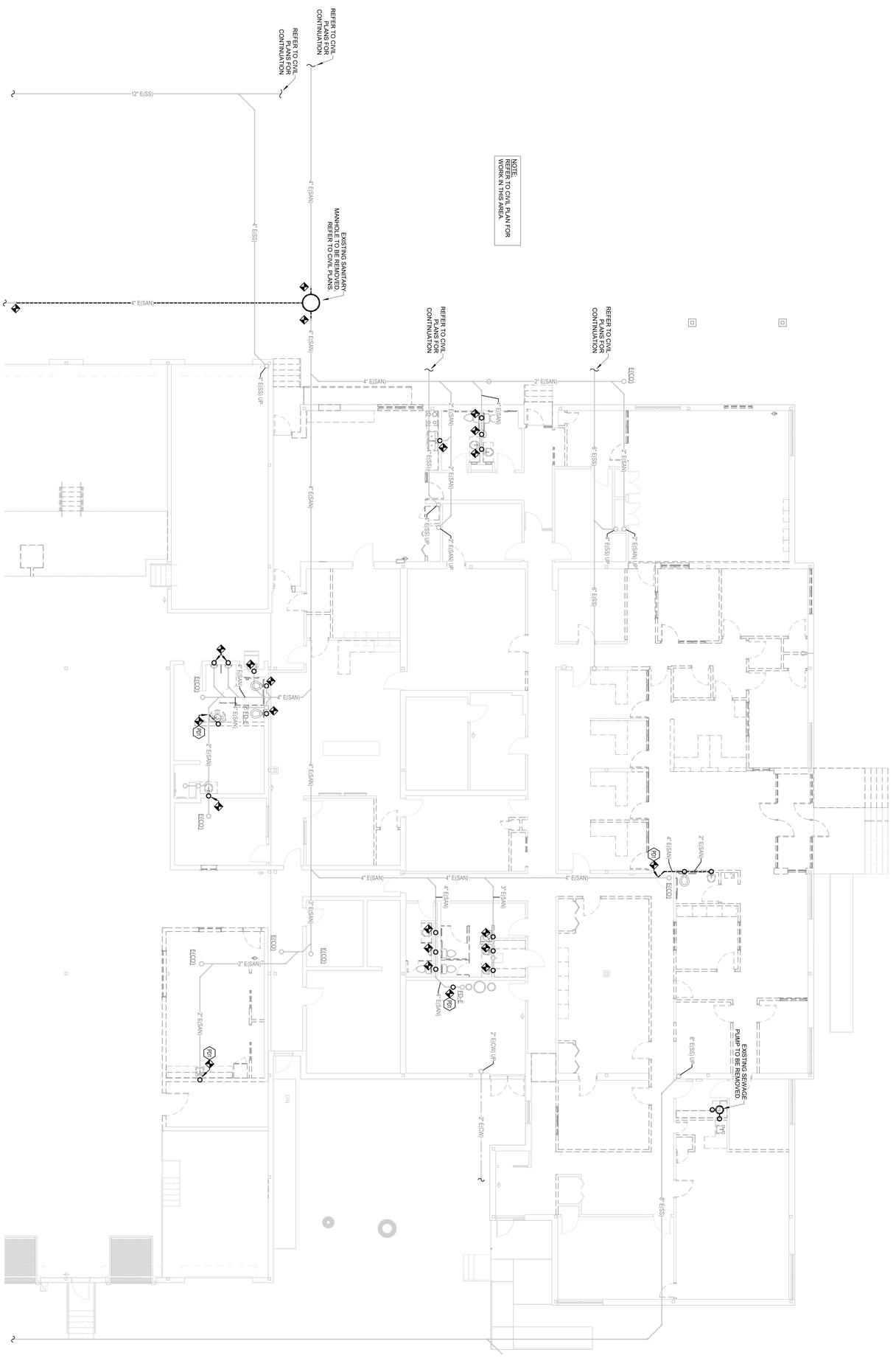

Building 1 - Plumbing Underslab - Demolition
1/8" = 1'-0"

TAGGED NOTES

PD1 EXISTING SANITARY PIPING TO BE REMOVED COMPLETELY AND CAPPED AT MAIN

KEY PLAN

SCALE: NO SCALE

BLDG 1

NOT IN SCOPE

HARRISON REMC - RENOVATION

SHEET TITLE
PLUMBING UNDERSLAB DEMOLITION - BUILDING 1

SHEET NUMBER
P201
24179.00

DATE
April 16, 2025

OWNER
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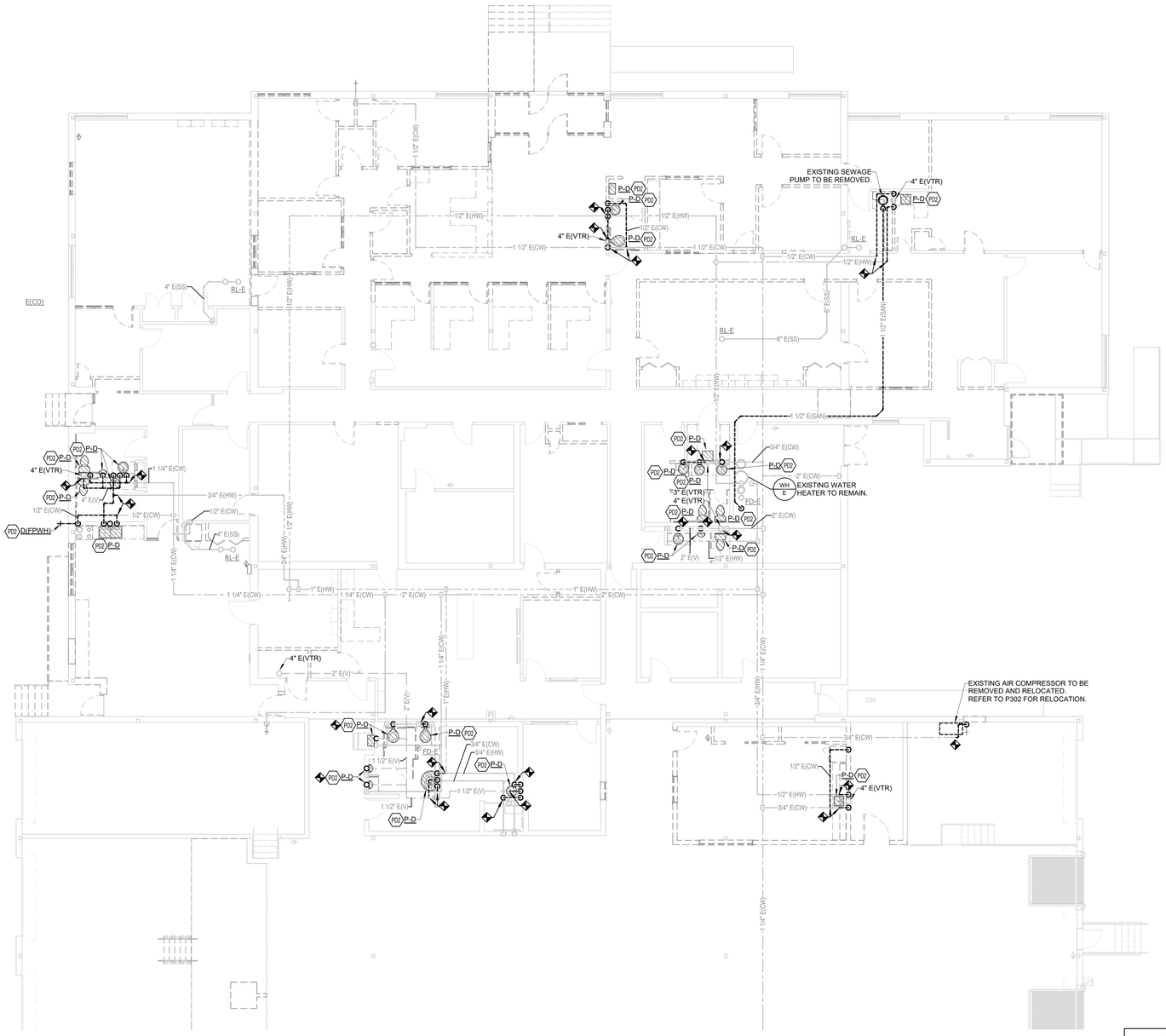
TAGGED NOTES

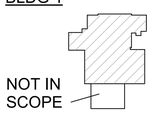
PD2 REMOVE EXISTING FIXTURE AS REQUIRED. CAP ALL PLUMBING BEYOND FINISHED SURFACES AT MAINS AND CAP PER CODE.



Building 1 - Plumbing - Demolition
1/8" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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PROFESSIONAL ENGINEER

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PROJECT TITLE
Harrison REMC - Additions and Renovations

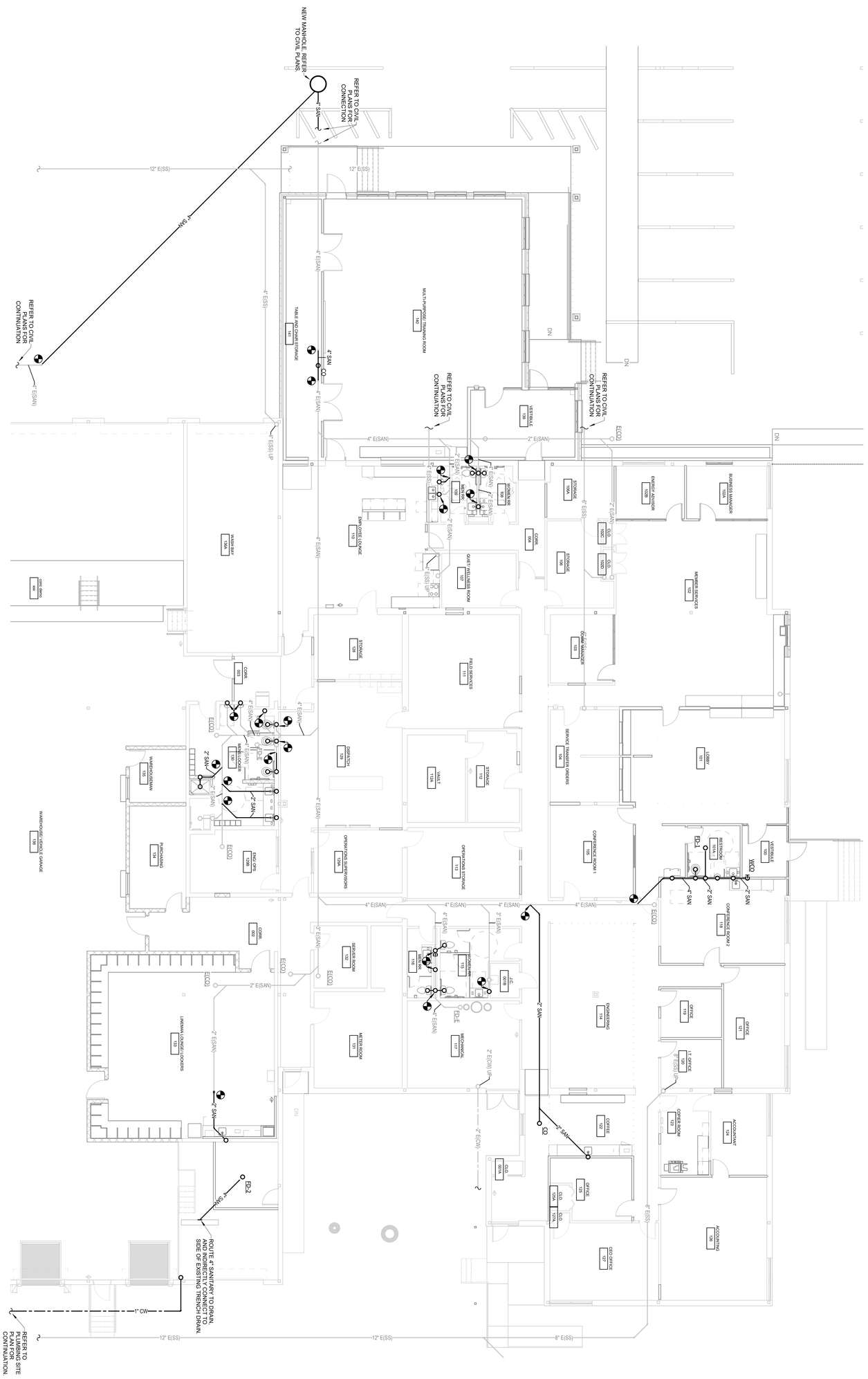
OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
PLUMBING DEMOLITION - BUILDING 1

DATE
April 16, 2025

SHEET NUMBER
P202
24179.00



Building 1 - Plumbing Underslab

1/8" = 1'-0"

KEY PLAN

SCALE: NO SCALE

BLDG 1

NOT IN SCOPE

HARRISON REMC - RENOVATION

SHEET TITLE
PLUMBING UNDERSLAB - BUILDING 1

SHEET NUMBER
P301
24179.00

DATE
April 16, 2025

OWNER
HARRISON REMC

Corydon, IN

PROJECT TITLE
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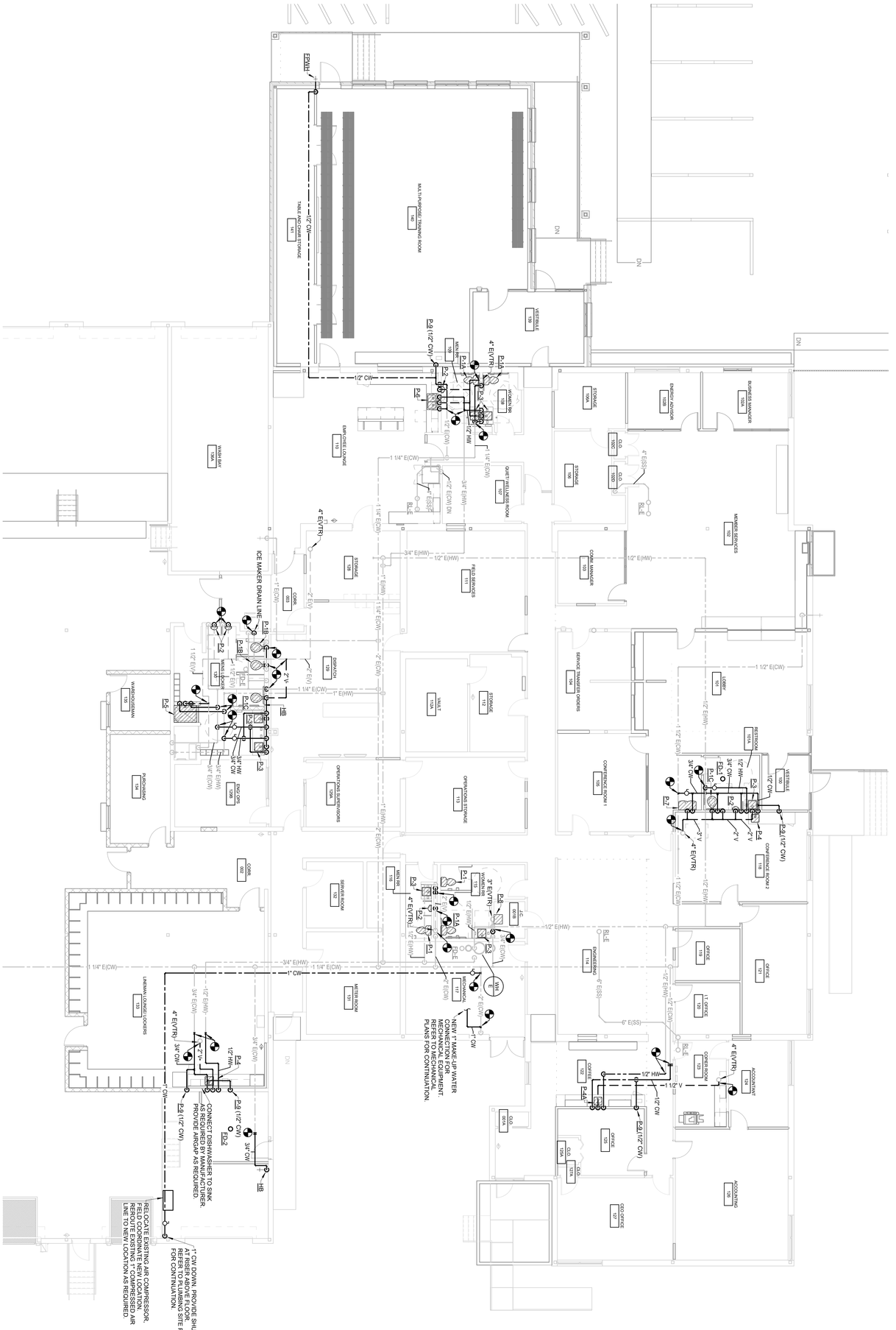

Building 1 - Plumbing

1/8" = 1'-0"

KEY PLAN

SCALE: NO SCALE

BLDG 1

NOT IN SCOPE

HARRISON REMC - RENOVATION

SHEET TITLE
PLUMBING - BUILDING 1

SHEET NUMBER
P302
24179.00

DATE
April 16, 2025

OWNER
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Corydon, IN

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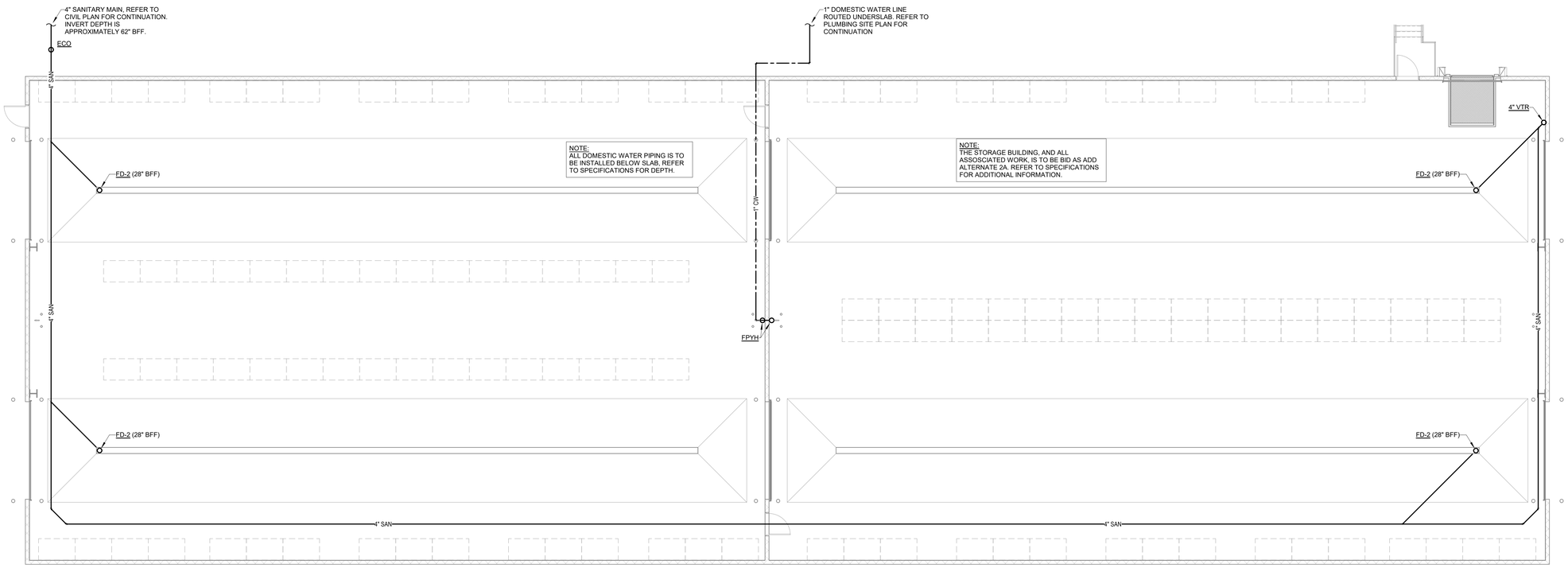

Building 2 - Plumbing Underslab
1/8" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1

NOT IN SCOPE

BLDG 2

KEY PLAN
SCALE: NO SCALE

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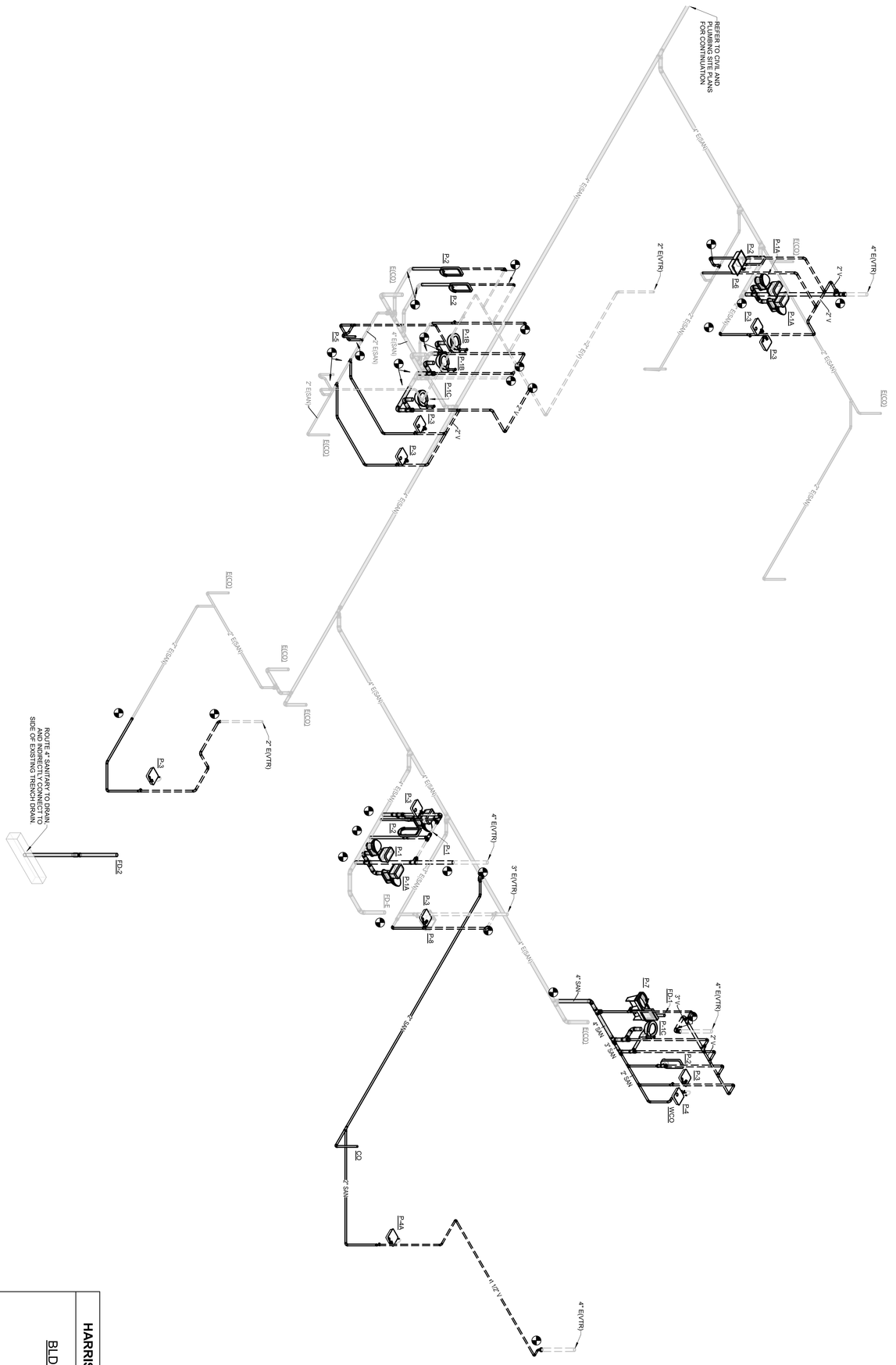
SHEET TITLE
PLUMBING UNDERSLAB - BUILDING 2

DATE
April 16, 2025

SHEET NUMBER
P303
24179.00



Plumbing Riser - Building 1

KEY PLAN
SCALE: NO SCALE

NOT IN SCOPE

BLDG 1

HARRISON REMC - RENOVATION

SHEET TITLE
PLUMBING - SANITARY RISER - BUILDING 1

SHEET NUMBER
P400
24179.00

DATE
April 16, 2025

OWNER
HARRISON REMC

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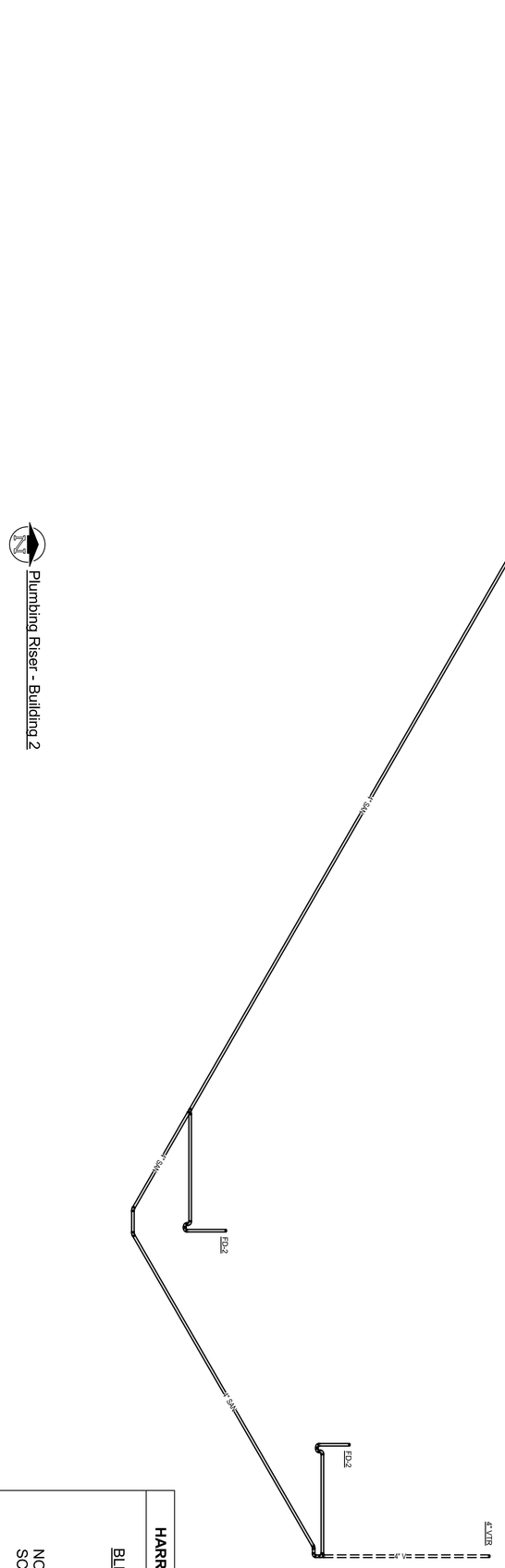
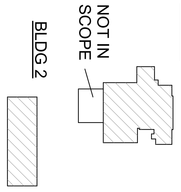


Plumbing Riser - Building 2

KEY PLAN
SCALE: NO SCALE



HARRISON REMC - RENOVATION

SHEET TITLE
PLUMBING - SANITARY RISER - BUILDING 2

SHEET NUMBER
P401
24179.00

DATE
April 16, 2025

OWNER
HARRISON REMC

Corydon, IN

PROJECT TITLE
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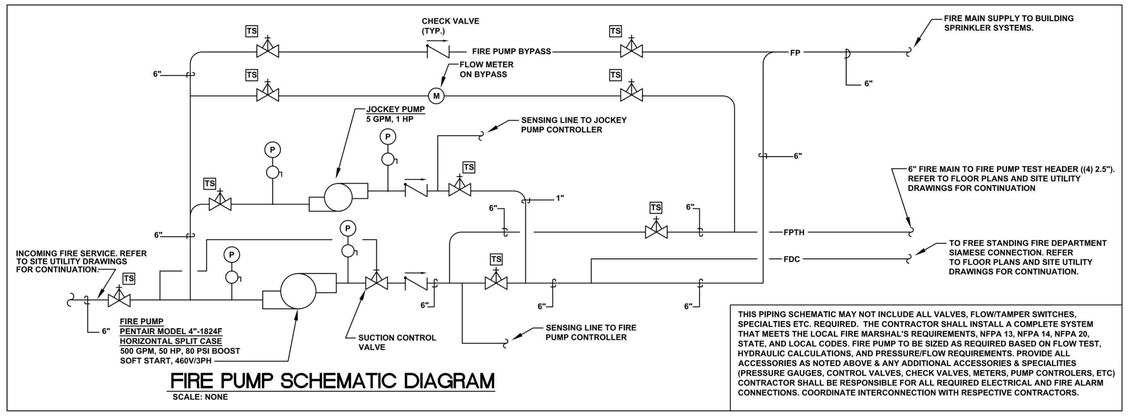


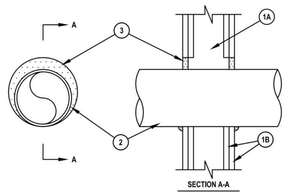
FIRE PUMP SCHEMATIC DIAGRAM

SCALE: NONE

THIS PIPING SCHEMATIC MAY NOT INCLUDE ALL VALVES, FLOW/TAMPER SWITCHES, SPECIALTIES ETC. REQUIRED. THE CONTRACTOR SHALL INSTALL A COMPLETE SYSTEM THAT MEETS THE LOCAL FIRE MARSHAL'S REQUIREMENTS, NFPA 13, NFPA 14, NFPA 20, STATE, AND LOCAL CODES. FIRE PUMP TO BE SIZED AS REQUIRED BASED ON FLOW TEST, HYDRAULIC CALCULATIONS, AND PRESSURE/FLOW REQUIREMENTS. PROVIDE ALL ACCESSORIES AS NOTED ABOVE & ANY ADDITIONAL ACCESSORIES & SPECIALITIES (PRESSURE GAUGES, CONTROL VALVES, CHECK VALVES, METERS, PUMP CONTROLERS, ETC) CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED ELECTRICAL AND FIRE ALARM CONNECTIONS. COORDINATE INTERCONNECTION WITH RESPECTIVE CONTRACTORS.

System No. W-L-1054

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings —1 and 2 Hr (See Items 1 and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings —1 and 2 Hr (See Items 1 and 3)
L Rating at 400 F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr
	L Rating at Ambient — Less Than 1 CFM/sq ft
	L Rating at 400 F — Less Than 1 CFM/sq ft



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. (819 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls.

   The F and FH Ratings of the firestop system are equal to the fire rating of the wall assembly.

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. (57 mm). Pipe may be installed with continuous point contact. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) . diam steel conduit.
   D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.

3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant

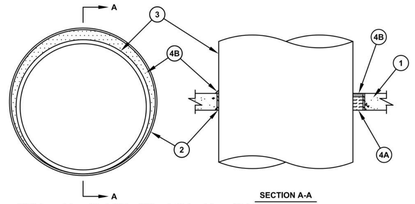
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

U.L. NO W-L-1054 DETAIL

NOT TO SCALE

System No. C-AJ-1155

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 and 3 Hr (See Item 3)	F Rating — 2 and 3 Hr (See Item 3)
T Rating —0 Hr	FT Rating — 0 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Rating — 2 and 3 Hr (See Item 3)
L Rating At 400 F — 4 CFM/sq ft	FTH Rating — 0 Hr
W Rating — Class 1 (See Item 4)	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — 4 CFM/sq ft



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 32 in. (813 mm).
   See Concrete Blocks (CAZT) category in Fire Resistance Directory for names of manufacturers.

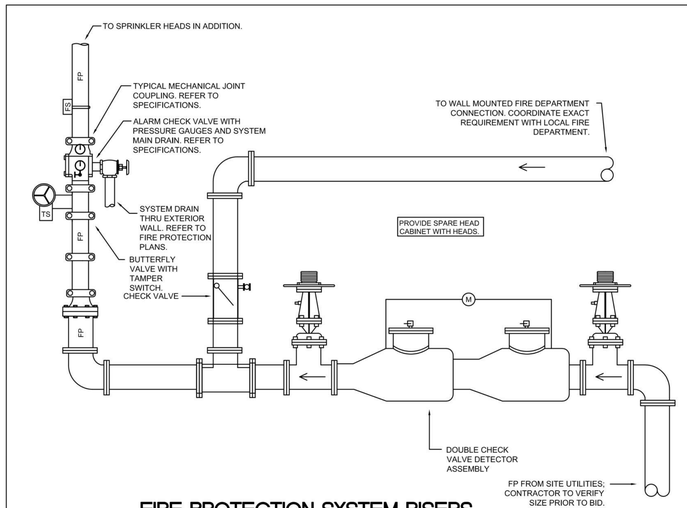
2. Metallic Sleeve (Optional) — Nom 32 in. (813 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe cast or grouted into floor or wall assembly, flush with floor or wall assembly.

3. Through Penetrants — One metallic pipe or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The annular space shall be min 0 in. (point contact) to max 12 in. (305 mm). When maximum annular space exceeds 2-1/4 in. (57 mm) the F Rating is 2 hr. The following types and sizes of metallic pipes or tubing may be used:
   A. Steel Pipe — Nom 20 in. (508 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 20 in. (508 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or nom 6 in. (152 mm) diam (or smaller) steel conduit.
   D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe

4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top end of sleeve for floors or from both ends of sleeve for walls to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with the top end of the sleeve for floors, or with both ends of the sleeve for walls. Min 1/2 in. (13 mm) thick bead of all material to be installed around pipe at interface of sleeve for point contact installations. W Rating applies only when FS-ONE MAX Intumescent Sealant is used. For the W Rating, max annular space is 1-7/8 in. (48 mm) and an additional film of sealant shall be applied over the sleeve (when used) lapping at least 1/2 in. (13 mm) onto top surface of floor or both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

U.L. NO C-AJ-1155 DETAIL

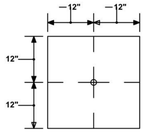


FIRE PROTECTION SYSTEM RISERS

NTS

FIRE PROTECTION LEGEND

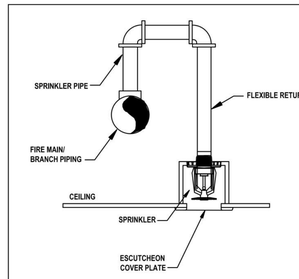
"SEMI-RECESSED" SPRINKLER HEAD WITH REMOVABLE ESCUTCHEON PLATE	●
UPRIGHT TYPE SPRINKLER HEAD	◎
SIDEWALL TYPE SPRINKLER HEAD	▶
FIRE PROTECTION PIPING TO BE REMOVED	E(FP)
NEW FIRE PROTECTION PIPING	FP
EXISTING FIRE PROTECTION PIPING	E(FP)
FIRE VALVE CABINET	FVC
POINT OF DEMOLITION TERMINATION	◆
DOUBLE CHECK VALVE	⋈
NEW O.S.&Y VALVE	⋈
TAMPER SWITCH	TS
FLOW SWITCH	FS
PIPING RISE UP	○
PIPING DOWN	⊙
CONNECT TO EXISTING	◒
FIRE DEPARTMENT HOSE VALVE CONNECTION	HV ▶



SPRINKLERS TO BE INSTALLED IN CENTER OF 2x2 CEILING TILES.

2x2 CEILING TILE DETAIL

SCALE: NONE



RETURN BEND DETAIL

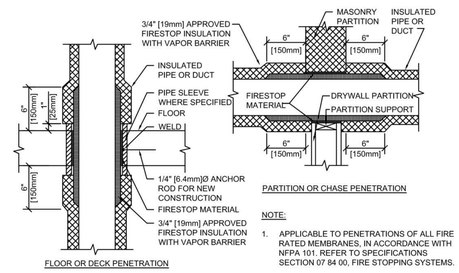
SCALE: NONE CONCEALED

EXISTING FLOW TEST

STATIC:	78 psi
RESIDUAL:	12 psi
FLOW:	581 gpm
DATE:	2.26.2025
HYDRANT:	RED OAK CT. NW
BY:	TOWN OR CORYDON WATER SYSTEM

SPRINKER DESIGN NOTE:

SCO GUIDELINES DO NOT ALLOW AREA REDUCTION METHOD.



NOTE:

1. APPLICABLE TO PENETRATIONS OF ALL FIRE RATED MEMBRANES, IN ACCORDANCE WITH NFPA 101. REFER TO SPECIFICATIONS SECTION 07 84 00, FIRE STOPPING SYSTEMS.

DUCT/PIPE PENETRATION OF SMOKE/FIRE BARRIERS

NTS

GENERAL FIRE PROTECTION NOTES:

A. THE OUTLINED AREA SHALL BE 100% PROTECTED WITH A FULLY AUTOMATIC FIRE PROTECTION SYSTEM DESIGNED IN ACCORDANCE WITH NFPA (13-2013, 14-2013, 20-2013), STATE AND LOCAL CODES.

B. THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL OBTAIN AND UTILIZE ALL APPLICABLE ARCHITECTURAL FLOOR PLANS, SECTIONS, AND REFLECTED CEILING PLANS FOR LAYING OUT SPRINKLERS. REFER TO A COMPLETE SET OF DOCUMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL PLANS AND SPECIFICATIONS FOR COORDINATION OF TRADES, ROOMS, STRUCTURE, AND EQUIPMENT).

C. ALL AREAS ARE TO BE PROVIDED WITH QUICK RESPONSE SPRINKLERS (EXCEPTIONS PER NFPA MAY BE APPLIED, IE MECHANICAL SPACES, ETC.). REFER TO FLOOR PLANS FOR LOCATIONS AND SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS AND MODELS.

D. ALL SPRINKLERS LOCATIONS SHALL BE COORDINATED WITH ALL OTHER CEILING RELATED DEVICES. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO CEILING CONSTRUCTION.

E. ALL SPRINKLER PIPING MUST BE INSTALLED ABOVE CEILINGS. SPRINKLER PIPING MUST BE COORDINATED WITH OTHER TRADES. PIPING MUST OFFSET AS REQUIRED TO AVOID CONFLICTS WITH DUCTWORK, PIPING, CONDUIT, ALL EQUIPMENT, LIGHTS, CABLE TRAYS, ETC.

F. 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.

G. PROVIDE ALL REQUIRED DRAIN PIPING TO TEST FLOW SWITCHES. DISCHARGE DRAIN PIPING TO OUTDOORS.

H. SIZE ALL FIRE PROTECTION PIPING IN ACCORDANCE WITH NFPA 13. PIPE SIZING SHALL BE ACCOMPLISHED USING HYDRAULIC CALCULATIONS.

I. 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. PROVIDE FIRE PUMP SIZING BASED ON FLOW TEST AND HYDRAULIC CALCULATIONS.

J. THE SPARE SPRINKLERS, WRENCH AND CABINET SHALL BE LOCATED IN THE FIRE PUMP ROOM.

K. ONLY CERTIFIED TECHNICIANS APPROVED BY THE LOCAL WATER COMPANY SHALL INSTALL OR TEST BACKFLOW PREVENTERS.

L. CERTIFIED CONTRACTOR SHALL TEST BACKFLOW PREVENTER AFTER INSTALLATION. PROVIDE TEST RESULTS (INCLUDE IN OPERATION AND MAINTENANCE MANUALS).

M. BUILDING SHALL BE CLASSIFIED AS LIGHT/ORDINARY HAZARD. LIGHT HAZARD AREAS (IE. GENERAL POPULATION, BEDROOMS, RESTROOMS, ETC.) SHALL BE PROVIDED WITH A SPRINKLER DENSITY OF 0.10GPM/1500SQFT. ORDINARY HAZARD GROUP I AREAS (IE STORAGE ROOMS, MECHANICAL ROOMS, ETC.) SHALL BE PROVIDED WITH A SPRINKLER DENSITY OF 0.15GPM/1500SQFT. 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.

N. COORDINATE ALL SPRINKLER PIPE ROUTINGS WITH ALL ELECTRICAL EQUIPMENT.

O. THE CONTRACTOR SHALL INSURE THAT ALL PENETRATIONS OF THE AIR BARRIER BE SEALED TO MAINTAIN AN AIR TIGHT BUILDING.

P. FLOOR CONTROL VALVE ASSEMBLIES FOR EACH FIRE ZONE SHALL CONSIST OF, BUT ARE NOT LIMITED TO THE FOLLOWING: CONTROL VALVE WITH FLOW & TAMPER SWITCH, PRESSURE GAUGES, DRAIN VALVE WITH BYPASS, ETC.

Q. ALL AREAS HAVING CEILING SHALL BE PROVIDED WITH CONCEALED STYLE SPRINKLERS UNLESS NOTED OTHERWISE.

R. COLOR FINISHES OF ALL SPRINKLERS/ESCUTCHEONS/COVER PLATES SHALL BE COORDINATED WITH ARCHITECT/CEILING.

S. ALL AREAS HAVING NO CEILINGS SHALL BE PROVIDED WITH UPRIGHT TYPE SPRINKLERS.

T. 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.)

U. COORDINATE LOCATIONS OF THE FOLLOWING FIRE PROTECTION APARATUS' WITH THE LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION: FIRE DEPARTMENT CONNECTION (F.D.C.), FIRE PUMP TEST HEADER (F.P.T.H.), POST INDICATOR VALVE (P.I.V.), FIRE ALARM BELLS, ETC. COORDINATION SHALL ALSO INCLUDE VERIFICATION OF ALL HOSE CONNECTION SIZES, THREAD TYPES.

V. 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.

W. ALL SPRINKLERS LOCATED IN IDF/MDF AND ELECTRICAL ROOMS SHALL BE HIGH TEMPERATURE SPRINKLERS WITH PROTECTIVE WIRE CAGES. DO NOT ROUTE SPRINKLER PIPING THROUGH THE IDF/MDF ROOMS AND DO NOT LOCATE SPRIKLERS PIPING ABOVE EQUIPMENT.

X. 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 WALLS AND UTILIZE SIDEWALL STYLE SPRINKLERS.

Y. PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW FLOATING CLOUDS 48" OR GREATER IN SIZE. NO EXPOSED PIPING TO BE LOCATED BELOW ANY SUSPENDED CEILING ASSEMBLIES.

Z. PROVIDE SEISMIC BRACING AS REQUIRED BY NFPA AND LOCAL BUILDING CODE STANDARDS AND REGULATIONS FOR SEISMIC DESIGN CATEGORY C.

AA. ALL SPRINKLERS LOCATED IN SHOWER RELATED AREA SHALL BE CORROSION RESISTANT STYLE SPRINKLERS.

FIRE STOPPING NOTES:

1. FIRE STOPPING IS CRITICAL AND MUST BE ACCOMPLISHED.

   ALL PIPES MUST BE FIRESTOPPED WHERE THEY PENETRATE FIRE RESISTIVE, FIRE RATED, AND SMOKE RESISTIVE WALLS OR FLOORS. ALL FLOORS CORRIDOR WALLS, STAIR WALLS, MECHANINCAL ROOM WALLS, STORAGE ROOM WALLS AND OTHER HAZARDOUS ROOM WALLS ARE ONE HOUR RATED.

2. A FOUR-HOUR TRAINING SESSION SHALL BE CONDUCTED BY MANUFACTURER OF THE FIRESTOPPING MATERIAL. THIS SHALL BE DONE PRIOR TO THE INSTALLATION OF THE MATERIAL. CONTACT FACILITY ENGINEER AND CMTA TO ADVISE OF DATE AND TIME OF THIS MEETING.

3. ALL PENETRATIONS WILL BE REVIEWED BY THE FACILITY ENGINEER OR CMTA. PRIOR TO INSPECTION, ALL CEILING TILES BENEATH THE PENETRATIONS SHALL BE REMOVED BY THE CONTRACTOR.

NOTE:

HAZARD CLASSIFICATIONS FOR ALL AREAS SHALL NOT BE LESS THAN REQUIRED BY NFPA 13-2013 AND THE AUTHORITY HAVING JURISDICTION. AS A MINIMUM REQUIREMENT, AREAS SHALL TYPICALLY BE CLASSIFIED AS LIGHT HAZARD, EXCEPT THE FOLLOWING WHICH SHALL BE CLASSIFIED AS ORDINARY HAZARD (UNLESS DESIGNATED BY AUTHORITIES HAVING JURISDICTION OR AS INDICATED ON PLANS):

A. STORAGE ROOMS (ORDINARY HAZARD GROUP I)
B. MECHANICAL ROOMS (ORDINARY HAZARD GROUP I)
C. ELECTRICAL ROOMS (ORDINARY HAZARD GROUP I)
D. JANITOR ROOMS (ORDINARY HAZARD GROUP I)
E. MDF AND IDF (IT) ROOMS (ORDINARY HAZARD GROUP I)

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DOUGLAS R. HUNDLEY JR. REGISTERED NO. PE122051 STATE OF INDIANA PROFESSIONAL ENGINEER

ISSUED FOR | DATE
BID DOCUMENTS | 2025.04.24

CMTA
A LEGENCE Company
104-11 Meeting Street | Louisville, KY 40059 | 502.329.3065 | cmta.com

PROJECT TITLE
Harrison REMC - Additions and Renovations

OWNER
HARRISON REMC

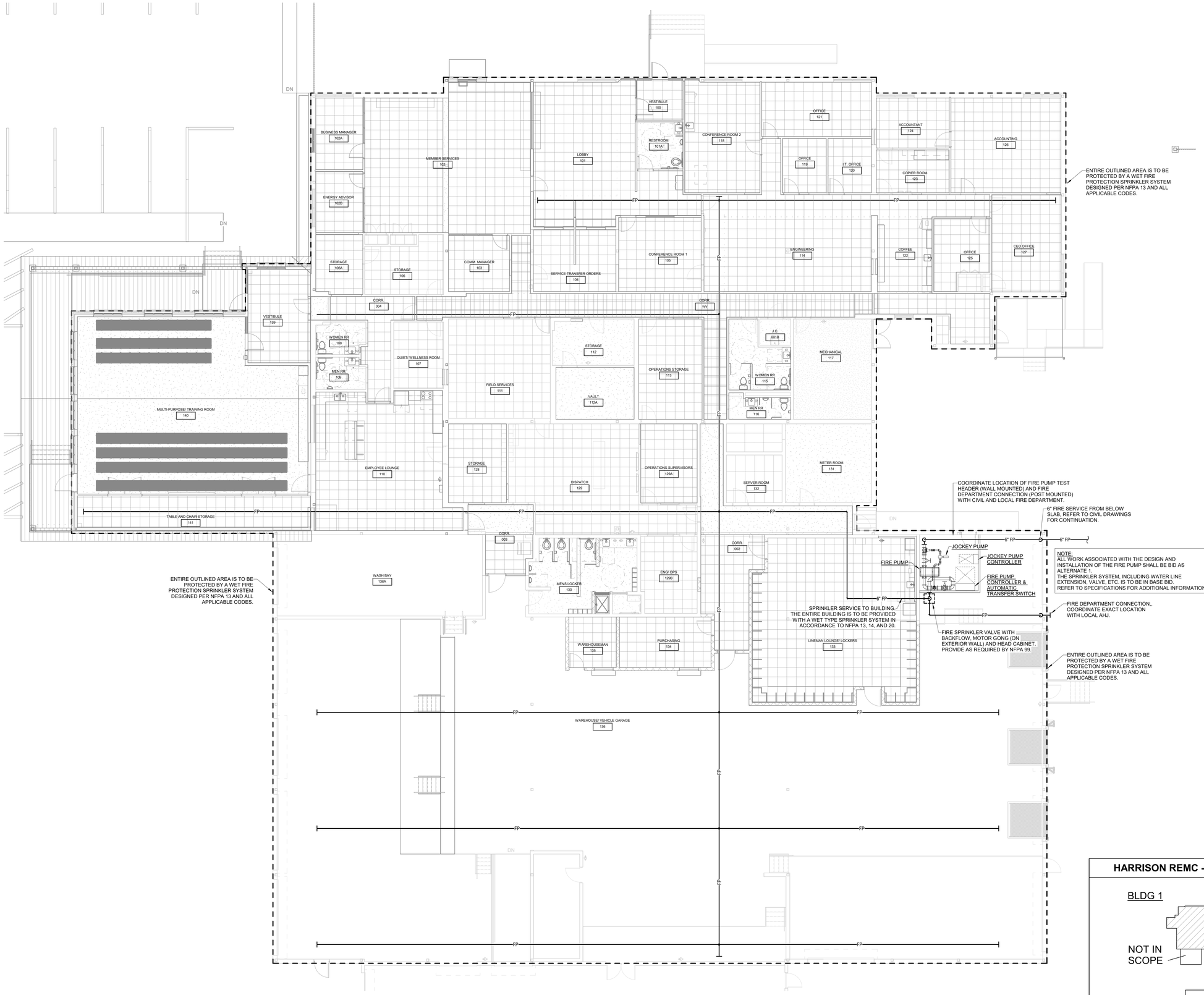
Corydon, IN

SHEET TITLE
FIRE PROTECTION LEGEND AND GENERAL NOTES

DATE
April 16, 2025

SHEET NUMBER
FP100

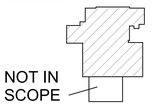
24179.00



Building 1 - Fire Protection
1/8" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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DOUGLAS R. HUNDLEY — REGISTERED — NO. PE12200511 — STATE OF INDIANA — PROFESSIONAL ENGINEER

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

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PROJECT TITLE
Harrison REMC - Additions and Renovations

OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
FIRE PROTECTION - BUILDING 1

DATE
April 16, 2025

SHEET NUMBER
FP200
24179.00

MECHANICAL LEGEND

AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
TYP	TYPICAL
NTS	NOT TO SCALE
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
	CONNECT TO EXISTING
	TAGGED NOTE
	DEMOLISH TO THIS POINT
	DEMOLISH TO THIS POINT AND CAP
E(NAME)	EXISTING PIPING (THIN SOLID LINE)
E(NAME)	REMOVE EXISTING PIPING (THIN BROKEN LINE)
CD	CONDENSATE DRAIN LINE
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
DTS	TOWER AND BOILER SUPPLY
DTR	TOWER AND BOILER RETURN
GS	GEOTHERMAL SUPPLY
GR	GEOTHERMAL RETURN
REFRIG	REFRIGERANT PIPING, SIZE PER MANUFACTURER RECOMMENDATIONS
	MECHANICAL EQUIPMENT DESIGNATOR
	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)

	CONCENTRIC REDUCER
	BUTTERFLY VALVE
	CHECK VALVE
	GLOBE VALVE
	GATE VALVE (NORMALLY OPEN)
	GATE VALVE (NORMALLY CLOSED)
	PETE'S PLUG OR EQUIVALENT
	STRAINER
	GAS COCK
	BALANCING COCK
	BALL VALVE
	SAFETY OR RELIEF VALVE
	PRESSURE REDUCING VALVE (WATER)
	REDUCED PRESSURE BACKFLOW PREVENTER
	CONTROL VALVE (2-WAY)
	CONTROL VALVE (3-WAY)
	TRIPLE DUTY VALVE
	DIGITAL THERMOMETER
	MANUAL AIR VENT
A	AUTOMATIC AIR VENT
	PIPING ELBOW (TURNED UP/DOWN)
	PIPING TEE (TURNED UP/DOWN)
	FLEXIBLE CONNECTOR
	FLANGE
	UNION
S	FAN SWITCH
B_S	EMERGENCY BOILER SHUT-OFF SWITCH
	DIAL THERMOMETER

	DUCTWORK DEMOLITION
	EXISTING DUCTWORK TO REMAIN
20X12 SA	SUPPLY AIR DUCT – INSIDE DIMENSION – 20"HORZ.X12"VERT. (TURNED UP/DOWN)
20X12 RA	RETURN AIR DUCT – INSIDE DIMENSION – (TURNED UP/DOWN)
20X12 EA	EXHAUST AIR DUCT – INSIDE DIMENSION – (TURNED UP/DOWN)
20X12 OA	OUTSIDE AIR DUCT – INSIDE DIMENSION – (TURNED UP/DOWN)
20X12 REA	RELIEF AIR DUCT – INSIDE DIMENSION – (TURNED UP/DOWN)
	FLEXIBLE DUCT
AD	ACCESS DOOR IN BOTTOM OF DUCT
AD	ACCESS DOOR IN SIDE OF DUCT
M	OPPOSED BLADE DAMPER (MOTORIZED)
	VOLUME DAMPER (MANUAL)
FD	FIRE DAMPER
	TURNING VANES
	DEFLECTOR (AT REGISTER OR BRANCH)
	TRANSITION – PIPING
	DIRECTION OF FLOW (PIPING)
T_S	TEMPERATURE SENSOR WITH STAINLESS STELL COVER PLATE
T	THERMOSTAT
D_P	DIFFERENTIAL PRESSURE SENSOR (HYDRONIC)
P	PRESSURE GAUGE & COCK
P_S	DUCT-MOUNTED STATIC PRESSURE SENSOR
D_S	DUCT-MOUNTED SMOKE DETECTOR
CO_2	CARBON DIOXIDE SENSOR
H_S	HUMIDITY SENSOR

GENERAL NOTES (APPLICABLE TO ALL DRAWINGS):

1. 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.
2. 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 PROPOSERS' DISCRETION.
3. INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC., IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND/OR THE COLLECTION OF CONDENSATION THEREON.
4. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
5. 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.
6. 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.
7. DO NOT SCALE FROM DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
8. 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.
9. TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCT WORK ELBOWS. REFER TO SPECIFICATION SECTION 15810 FOR MORE DETAIL.
10. 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.
11. 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.
12. ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
13. 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).
14. 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.
15. 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.
16. 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.
17. 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
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. INCLUDE IN BID ALL COST ASSOCIATED WITH DRAINING AND FILLING ALL PIPING SYSTEMS AS REQUIRED TO INSTALL WORK.
24. 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.
25. WHERE THERMOSTATS AND OTHER WALL-MOUNTED CONTROL DEVICES ARE REMOVED AND NOT REPLACED PATCH WALL TO MATCH EXISTING CONDITIONS.
26. 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.
27. INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE. CAP ABANDONED PIPING AND DUCTWORK.
28. 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.
29. 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.
30. 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.
31. MECHANICAL CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER MECHANICAL EQUIPMENT DEMOLITION.
32. MECHANICAL CONTRACTOR SHALL DISPOSE OF DEMOLISHED MECHANICAL EQUIPMENT AND COORDINATE WITH THE CONSTRUCTION MANAGER.
33. 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.
34. MECHANICAL CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK.
35. WHERE DUCT WORK OR PIPING IS REMOVED TO A MAIN, CAP AT MAIN AIRTIGHT. 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.
36. REFER TO ARCHITECTURAL PLAN FOR PROJECT LIST OF ALL ALTERNATES.

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ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

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PROJECT TITLE
Harrison REMC - Additions and Renovations

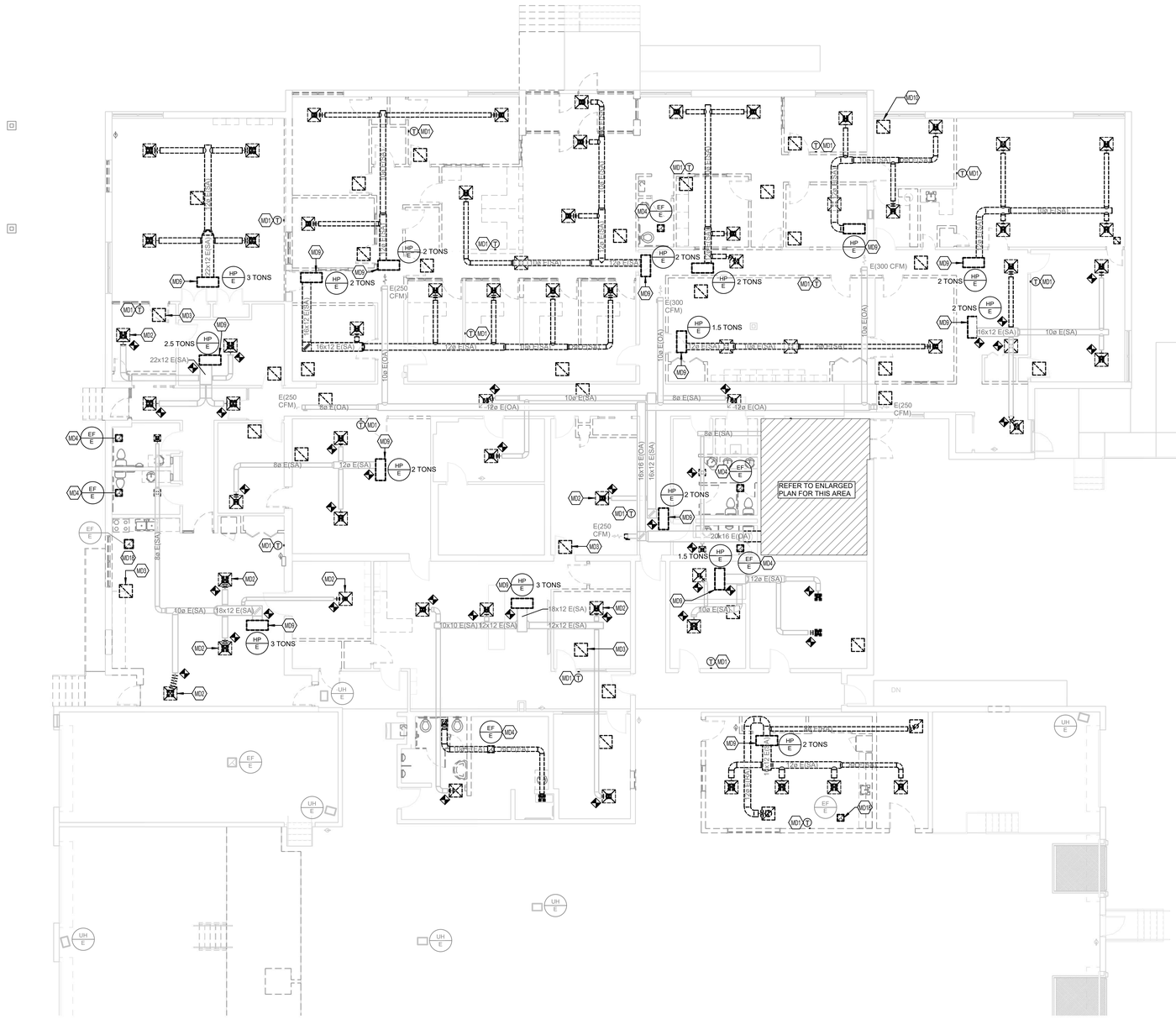
OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
MECHANICAL LEGEND AND GENERAL NOTES

DATE
April 16, 2025

SHEET NUMBER
M100
24179.00



Building 1 - Air Distribution - Demolition
1/8" = 1'-0"

GENERAL NOTES - MECHANICAL DEMOLITION:

A. INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE.

B. 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.

C. 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 CONTARCTOR'S EXPENSE.

D. MECHANICAL CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER MECHANICAL EQUIPMENT DEMOLITION.

E. MECHANICAL CONTRACTOR SHALL DISPOSE OF DEMOLISHED MECHANICAL EQUIPMENT AND COORDINATE WITH THE CONSTRUCTION MANAGER.

F. 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.

G. 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.

H. WHERE DUCT WORK OR PIPING IS REMOVED TO A MAIN, CAP AT MAIN AIRTIGHT. FIELD VERIFY EXACT CONDITIONS. PROVIDE ALL MATERIALS AS REQUIRED. PROVIDE NEW ISOLATION 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.

I. REMOVE ALL EXISTING ABANDONED PIPING ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGARS, INSULATION, VALVES, ETC. CAP ALL MAINS AS REQUIRED.

J. REMOVE ALL EXISTING ABANDONED DUCTWORK ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGARS, INSULATION, VALVES, ETC. CAP AT ALL MAINS AS REQUIRED.

K. 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 THE CONTRACTOR'S EXPENSE.

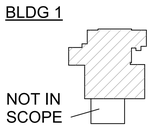
TAGGED NOTES

##

MD1 EXISTING THERMOSTAT TO BE REMOVED COMPLETELY.
MD2 EXISTING SUPPLY GRILLE TO BE REMOVED. GRILLE TO BE REINSTALLED IN NEW CEILING GRID LAYOUT.
MD3 EXISTING RETURN GRILLE TO BE REMOVED. GRILLE TO BE REINSTALLED IN NEW CEILING GRID LAYOUT.
MD4 EXISTING ROOFTOP EXHAUST FAN TO BE REMOVED COMPLETELY. CAP EXISTING CURB PER DETAIL.
MD9 EXISTING HEAT PUMP UNIT, INCLUDING ALL PIPING, CONTROLS, HANGERS, ETC. TO BE REMOVED COMPLETELY UP TO LOCATION AS SHOWN.
MD10 EXISTING PLEUNUM RETURN GRILLE TO BE REMOVED. (TYP)
MD18 EXISTING EXHAUST FAN GRILLE TO BE REMOVED AND RELOCATED. EXHAUST FAN ON ROOF TO REMAIN.

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

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PROJECT TITLE
Harrison REMC - Additions and Renovations

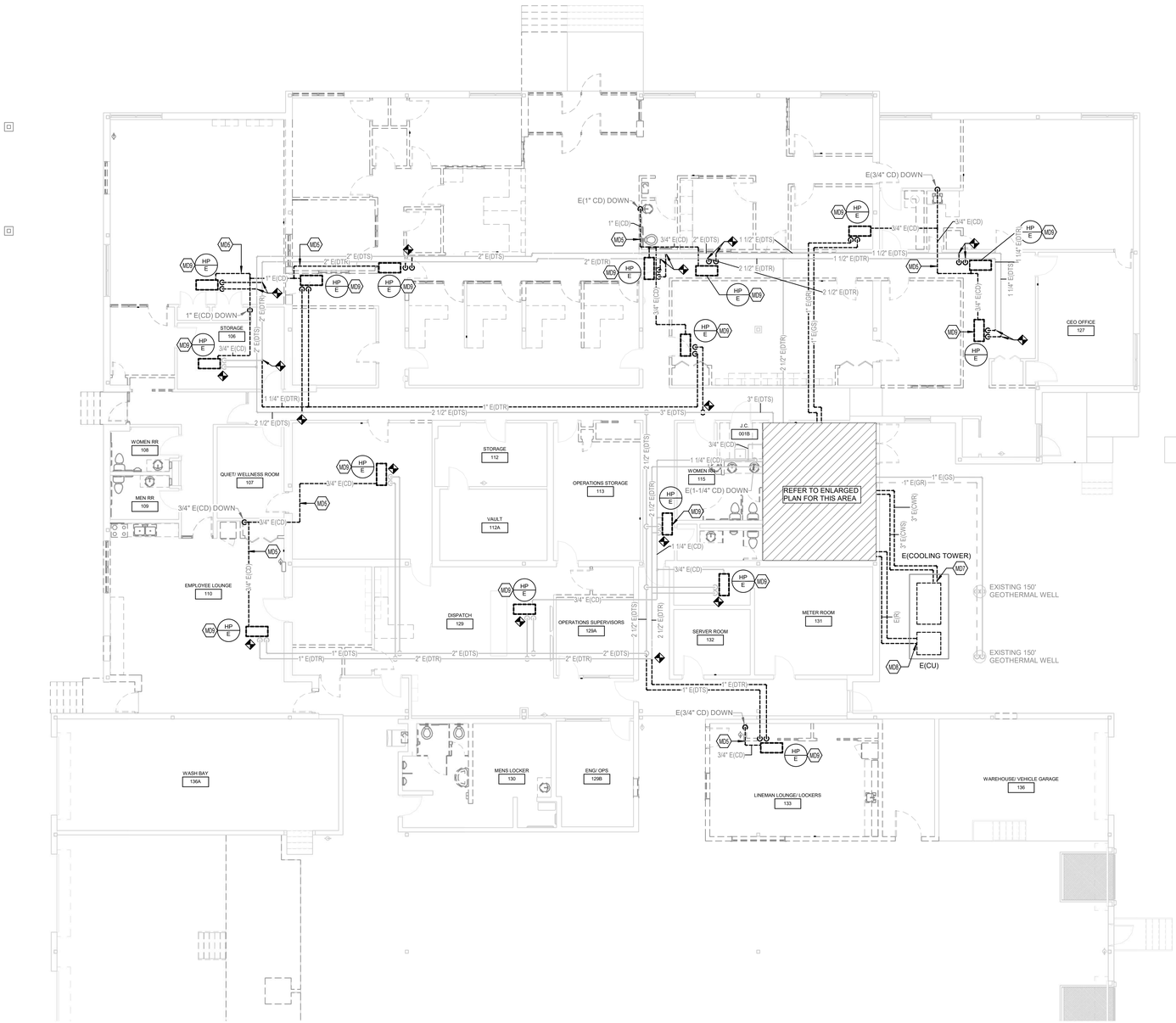
OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
AIR DISTRIBUTION DEMOLITION - BUILDING 1

DATE
April 16, 2025

SHEET NUMBER
M201
24179.00



Building 1 - Hydronics - Demolition
1/8" = 1'-0"

GENERAL NOTES - MECHANICAL DEMOLITION:

A. INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE.

B. 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.

C. 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 CONTARCTOR'S EXPENSE.

D. MECHANICAL CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER MECHANICAL EQUIPMENT DEMOLITION.

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H. WHERE DUCT WORK OR PIPING IS REMOVED TO A MAIN, CAP AT MAIN AIRTIGHT. FIELD VERIFY EXACT CONDITIONS. PROVIDE ALL MATERIALS AS REQUIRED. PROVIDE NEW ISOLATION 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.

I. REMOVE ALL EXISTING ABANDONED PIPING ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGARS, INSULATION, VALVES, ETC. CAP ALL MAINS AS REQUIRED.

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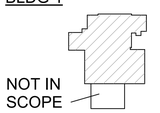
TAGGED NOTES

##

MD5 EXISTING CONDENSATE PIPING TO BE REMOVED COMPLETELY.
MD7 EXISTING COOLING TOWER AND UNDERGRADE PIPING TO BE COMPLETELY REMOVED.
MD8 EXISTING CONDENSING UNIT AND REFRIGERANT PIPING TO BE REMOVED COMPLETELY.
MD9 EXISTING HEAT PUMP UNIT, INCLUDING ALL PIPING, CONTROLS, HANGERS, ETC. TO BE REMOVED COMPLETELY UP TO LOCATION AS SHOWN.

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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BID DOCUMENTS	2025.04.24

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PROJECT TITLE
Harrison REMC - Additions and Renovations

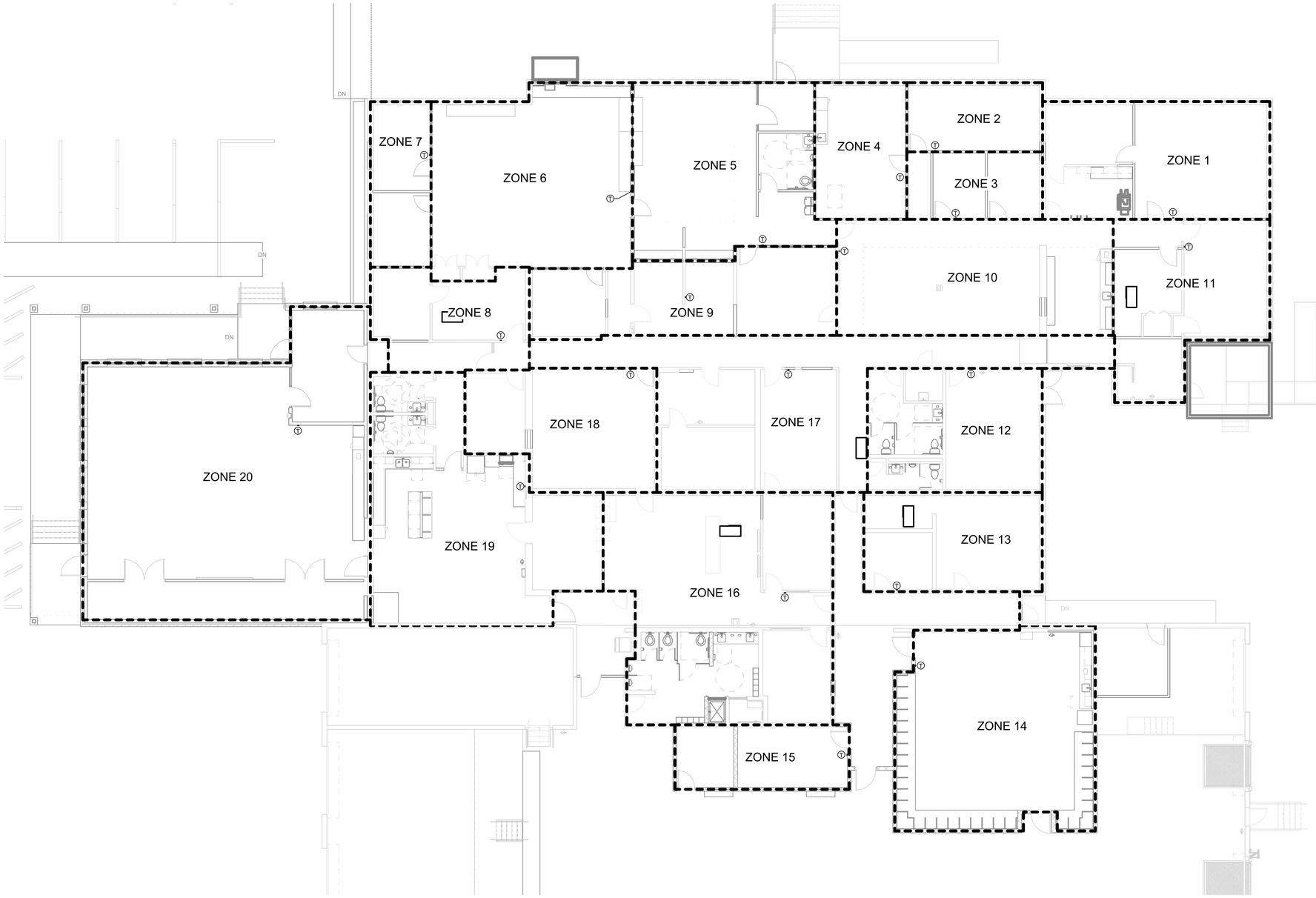
OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
HYDRONICS DEMOLITION - BUILDING 1

DATE
April 16, 2025

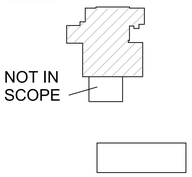
SHEET NUMBER
M202
24179.00



Building 1 - Zoning
1/8" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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PROJECT TITLE
Harrison REMC - Additions and Renovations

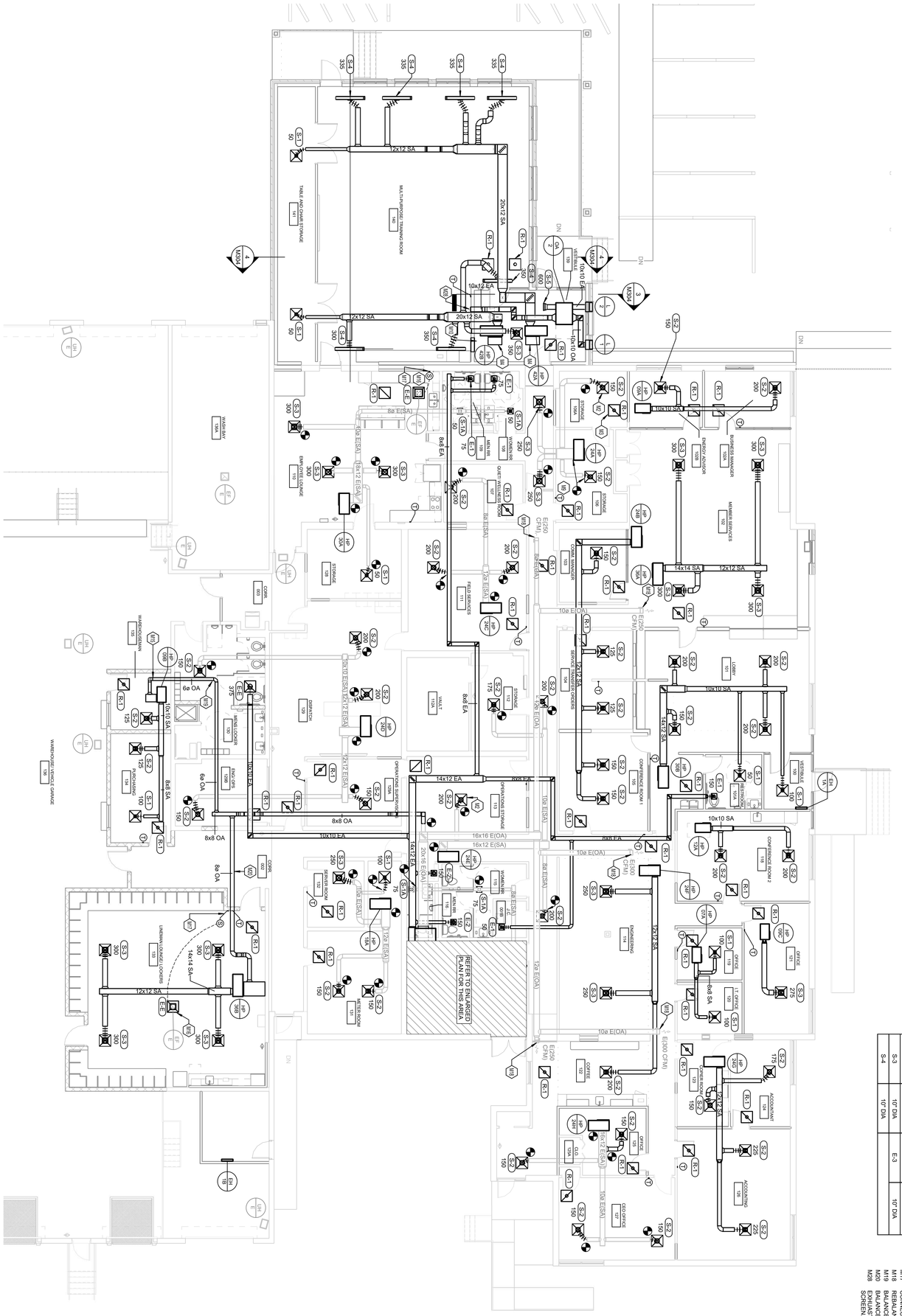
OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
ZONING - BUILDING 1

DATE
April 16, 2025

SHEET NUMBER
M300
24179.00



SHEET TITLE
AIR DISTRIBUTION - BUILDING 1

SHEET NUMBER
M301
24179.00

DATE
April 16, 2025

OWNER
HARRISON REMC

Corydon, IN

PROJECT TITLE
Harrison REMC - Additions and Renovations

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DOUGLAS R. HUMPHREY - REGISTERED - PROFESSIONAL ENGINEER - STATE OF INDIANA - NO. PE10200

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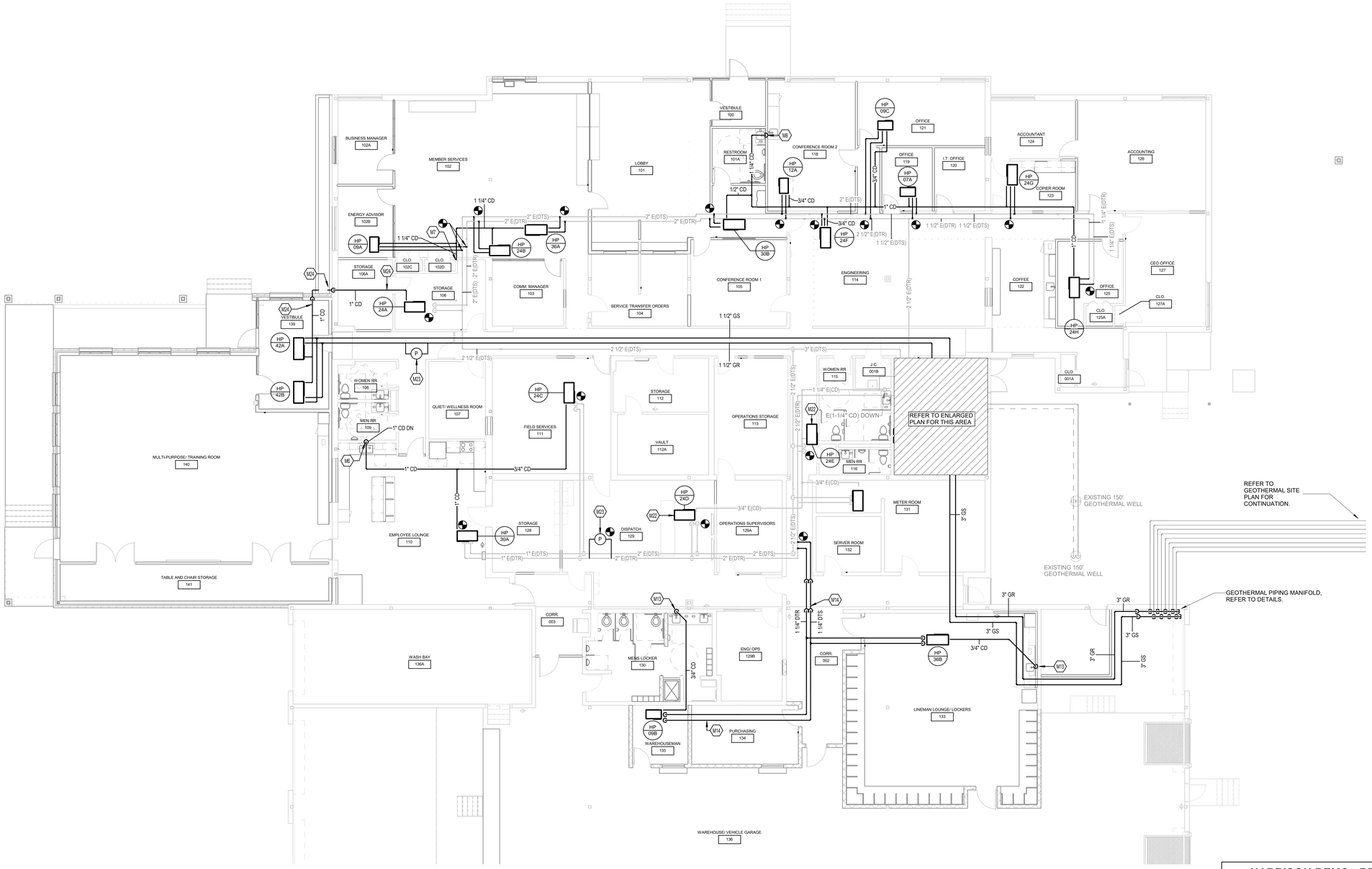
PIPING RUNOUT SCHEDULE

UNIT	GS/GR PIPE SIZE	CONDENSATE
HP-07	3/4"	3/4"
HP-09	3/4"	3/4"
HP-12	3/4"	3/4"
HP-18	3/4"	3/4"
HP-24	1"	3/4"
HP-30	1"	3/4"
HP-36	1 1/4"	3/4"
HP-42	1 1/4"	1"

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 CELING TILES, HARD CEILINGS, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.

TAGGED NOTES

- M6 SPILL 1" CONDENSATE TO SINK PIPING BELOW.
- M7 NEW 1-1/4" CONDENSATE PIPING TO CONNECT TO EXISTING CONDENSATE DRAIN.
- M8 SPILL 1-1/4" CONDENSATE TO SINK PIPING BELOW.
- M13 SPILL 3/4" CONDENSATE TO SINK PIPING BELOW.
- M14 PAINT ALL EXPOSED PIPING WHITE.
- M22 FURNISH AND INSTALL NEW HEAT PUMP UNIT IN LOCATION AS SHOWN. CONNECT TO EXISTING HYDRONIC PIPING AND CONDENSATE DRAIN.
- M23 FURNISH AND INSTALL DIFFERENTIAL PRESSURE SENSOR IN LOCATION AS SHOWN. REFER TO SCHEMATIC.
- M24 PIPE 1" CONDENSATE PIPING DOWN INTERIOR WALL AND SPILL TO GRADE.



Building 1 - Hydronics
1/8" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1

NOT IN SCOPE

KEY PLAN
SCALE: NO SCALE

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ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

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PROJECT TITLE
Harrison REMC - Additions and Renovations

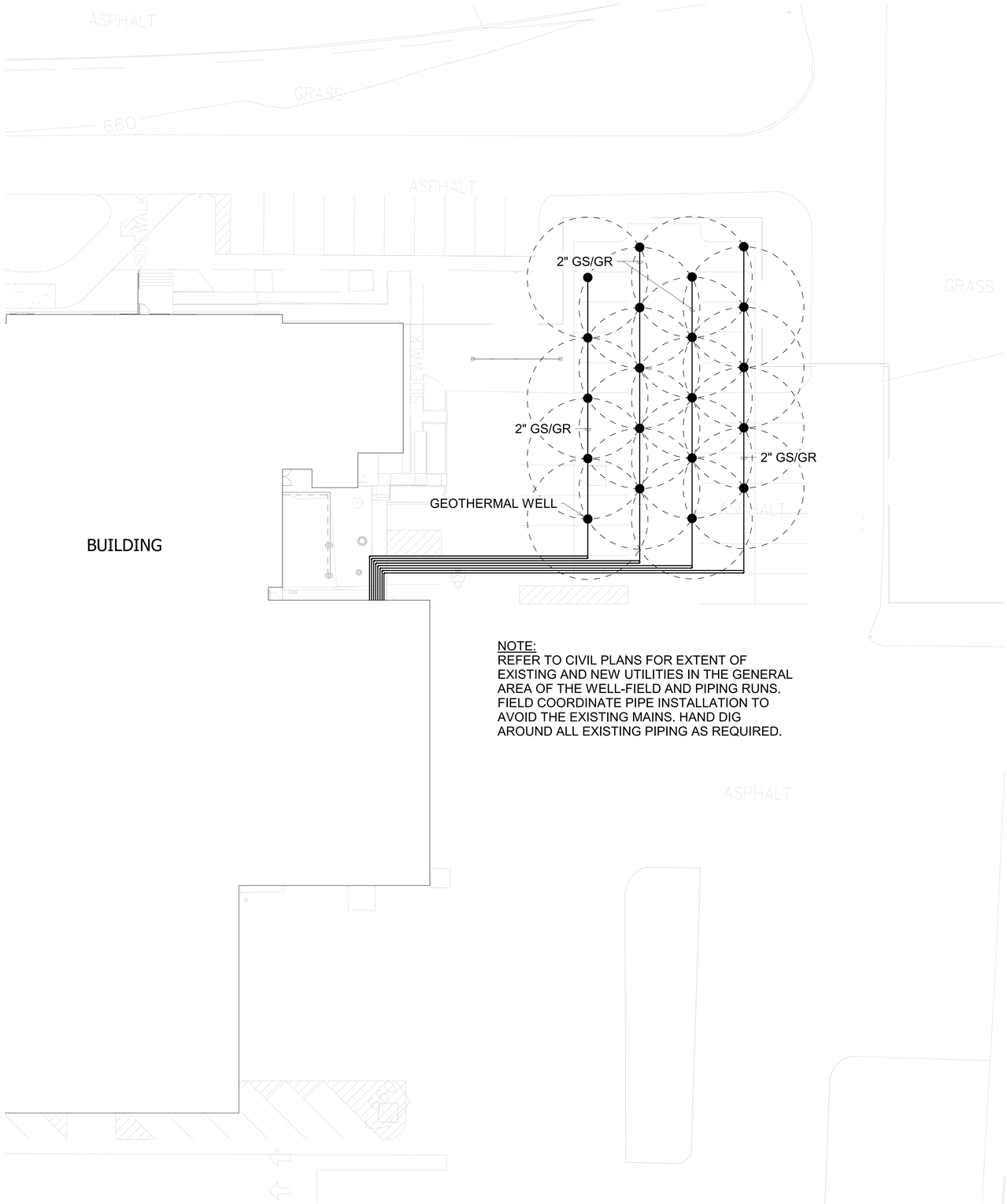
OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
HYDRONICS - BUILDING 1

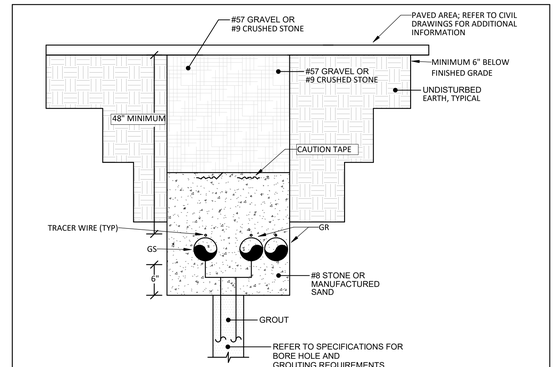
DATE
April 16, 2025

SHEET NUMBER
M302
24179.00

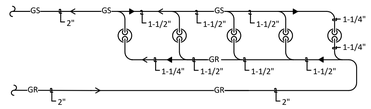


Geothermal Plan
1/16" = 1'-0"

NOTE:
REFER TO CIVIL PLANS FOR EXTENT OF EXISTING AND NEW UTILITIES IN THE GENERAL AREA OF THE WELL-FIELD AND PIPING RUNS. FIELD COORDINATE PIPE INSTALLATION TO AVOID THE EXISTING MAINS. HAND DIG AROUND ALL EXISTING PIPING AS REQUIRED.



TYPICAL CIRCUIT PIPING SCHEMATIC
(TYPICAL OF 4)



GEOTHERMAL PIPING INSTALLATION DETAIL

NOT TO SCALE

WELLFIELD INFORMATION

- NUMBER OF WELLS - 20
- NUMBER OF INDEPENDENT CIRCUITS - 4
- NUMBER OF WELLS PER CIRCUIT - 5
- DEPTH OF WELL - 400'0"
- WELL PIPE SIZE - 1-1/4"
- WELL SPACING - 20' O/C
- PIPE DEPTH - 48" MINIMUM (REFER TO SPECIFICATIONS)

GENERAL NOTES

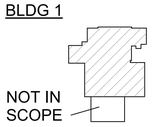
ALL GEOTHERMAL PIPING AND EACH INDIVIDUAL WELL INSTALLED AS PART OF THIS PROJECT SHALL BE SURVEYED BY PROFESSIONAL LAND SURVEYOR. REFER TO SPECIFICATION FOR MORE DETAIL. SURVEYOR IS TO BE EMPLOYED BY MECHANICAL CONTRACTOR.

WELL FIELD FLUSHING & PURGING REQUIREMENTS:

1. THE ENTIRE WELL FIELD SHALL BE FLUSHED WITH WATER TO REMOVE ANY DEBRIS (DIRT, PIPING SHAVINGS AND OTHER FOREIGN MATERIALS) TRAPPED WITHIN THE PIPING. REFER TO SPECIFICATION SECTION 201305 AND 230200 FOR MORE INFORMATION.
2. FILL THE WELL FIELD WITH CLEAN WATER AND PURGE. PURGING FLOW RATE FOR A BORE SHALL BE A MINIMUM FLOW AS REQUIRED TO ENSURE MINIMUM VELOCITY OF 4 FPS IS MAINTAINED. THIS TOTAL FLOW RATE SHALL BE MAINTAINED FOR A MINIMUM OF (1) HOUR (PER CIRCUIT) TO REMOVE AIR AND DEBRIS FROM THE HEAT EXCHANGER LOOP.
3. THE WELL FIELD PURGE SHALL BE WITNESSED AND VERIFIED BY A TEST & BALANCE (T&B) CONTRACTOR AND OWNER. THE T&B CONTRACTOR SHALL VERIFY THAT THE MINIMUM FLOW RATE AND VELOCITY IS ACHIEVED. ADDITIONALLY, THE T&B CONTRACTOR SHALL MEASURE THE TOTAL HEAD REQUIRED TO FLOW THE MINIMUM PURGE RATE REQUIREMENTS.
4. AFTER FLUSHING AND PURGING IS COMPLETE, BUT PRIOR TO BACKFILL THE CONTRACTOR SHALL TEST THE SYSTEM TO CONFIRM THERE HAVE NOT BEEN ANY FABRICATION OR INSTALLATION ERRORS. THIS SHALL BE ACCOMPLISHED BY MEASURING AND RECORDING CIRCUIT PRESSURE DIFFERENTIALS (WITH PURGING FLOW RATES) AT THE SUPPLY AND RETURN PIPING WITHIN THE BUILDING. THE PRESSURE DROP THROUGH THE CIRCUITS (UTILIZING ACTUAL INSTALLATION CONFIGURATION) SHALL BE ESTIMATED BY THE CONTRACTOR AND REVIEWED BY THE ENGINEER. IF INCONSISTENCIES ARISE FROM THIS PROCESS, THIS CONTRACTOR SHALL INVESTIGATE AND REMEDY THE PROBLEMS AND RE-TEST THE CIRCUIT(S) AT NO ADDITIONAL COST.

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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DOUGLAS R. HUNDLEY
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NO. PE12220051
STATE OF INDIANA
PROFESSIONAL ENGINEER

ISSUED FOR	DATE
BID DOCUMENTS	2025.04.24

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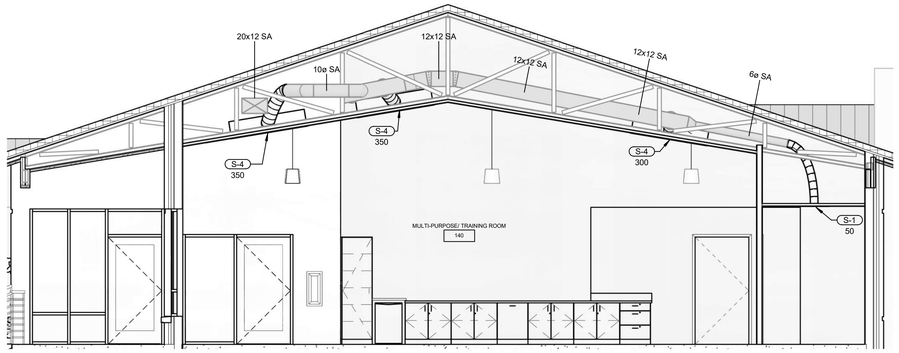
PROJECT TITLE
Harrison REMC - Additions and Renovations

OWNER
HARRISON REMC
Corydon, IN

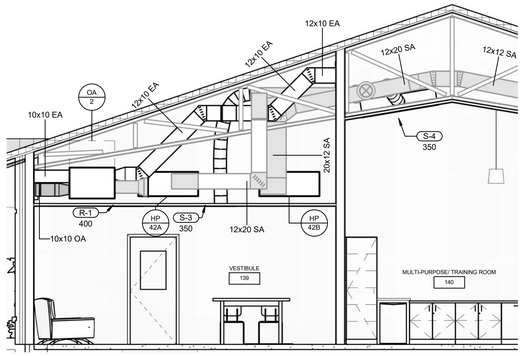
SHEET TITLE
GEOTHERMAL PIPING PLAN

DATE
April 16, 2025

SHEET NUMBER
M303
24179.00



Mechanical Section 4
1/4" = 1'-0"



Mechanical Section 3
1/4" = 1'-0"

TAGGED NOTES

- M18 REBALANCE TO AIRFLOW NOTED ON PLAN.
- M21 FURNISH AND INSTALL NEW HEAT PUMP UNIT IN SAME LOCATION AS PREVIOUS. CONNECT TO EXISTING DUCTWORK AND PIPING.
- M25 ROUTE 16X12 EA DUCT UP TO OA-1.
- M26 ROUTE 22X12 OA DUCT UP TO OA-1 USING EXISTING OUTSIDE AIR DUCT PENETRATION, VERIFY LOCATION IN FIELD.
- M27 DDC CONTROL PANEL, REFER TO SPECIFICATIONS.
- MD11 EXISTING AIR HANDLING UNIT AND REFRIGERANT PIPING TO BE REMOVED COMPLETELY.
- MD12 EXISTING OUTSIDE AIR INTAKE ROOF PENETRATION TO BE REMOVED. REMOVE ALL DUCTWORK, ROOF CURB, AND HOOD ON ROOF. PATCH PER MANUFACTURER REQUIREMENTS.
- MD13 EXISTING BOILER TO BE REMOVED COMPLETELY.
- MD14 EXISTING AIR SEPERATOR AND EXPANSION TANK TO BE REMOVED COMPLETELY.
- MD15 EXISTING PUMPS TO BE REMOVED COMPLETELY.
- MD16 EXISTING CHILLED AND HOT WATER PIPING TO BE REMOVED UP TO POINT INDICATED. CAP AND VALVE PIPING TO BE RECONNECTED.
- MD17 REMOVE EXISTING GEOTHERMAL SUPPLY AND RETURN PIPING UP TO RISE IN FLOOR.
- MD19 DEMOLISH EXISTING HEAT PUMP. ALL ASSOCIATED PIPING AND DUCTWORK TO REMAIN.

GENERAL NOTES - MECHANICAL DEMOLITION:

A. INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE.

B. 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.

C. 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 CONTARCTOR'S EXPENSE.

D. MECHANICAL CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER MECHANICAL EQUIPMENT DEMOLITION.

E. MECHANICAL CONTRACTOR SHALL DISPOSE OF DEMOLISHED MECHANICAL EQUIPMENT AND COORDINATE WITH THE CONSTRUCTION MANAGER.

F. 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.

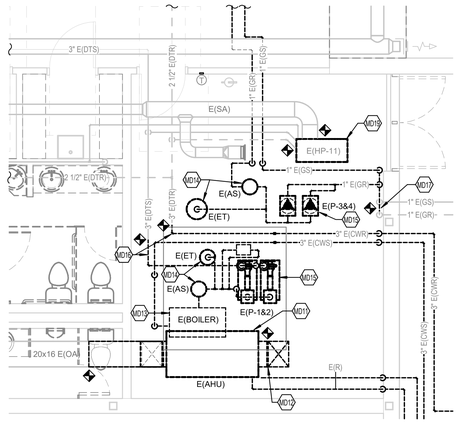
G. MECHANICAL CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK. WITHIN ALL AREAS OF WORK, ALL INSULATION MISSING OR DAMAGED SHALL BE REPAIRED OR REPLACED FOR ALL EXISTING SYSTEMS.

H. WHERE DUCT WORK OR PIPING IS REMOVED TO A MAIN, CAP AT MAIN AIRTIGHT. FIELD VERIFY EXACT CONDITIONS. PROVIDE ALL MATERIALS AS REQUIRED. PROVIDE NEW ISOLATION 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.

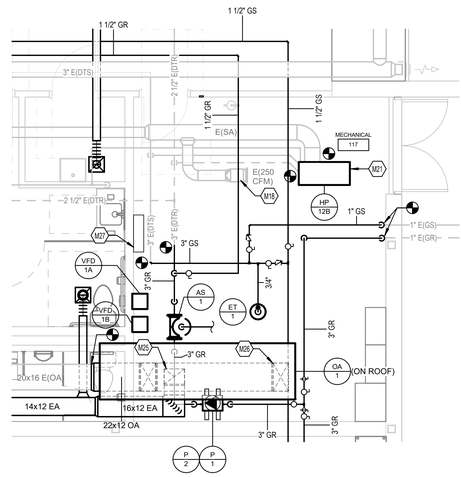
I. REMOVE ALL EXISTING ABANDONED PIPING ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGARS, INSULATION, VALVES, ETC. CAP ALL MAINS AS REQUIRED.

J. REMOVE ALL EXISTING ABANDONED DUCTWORK ABOVE CEILINGS COMPLETELY INCLUDING ALL HANGARS, INSULATION, VALVES, ETC. CAP AT ALL MAINS AS REQUIRED.

K. 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 CELING TILES, HARD CEILINGS, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.



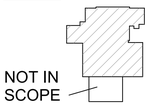
Building 1 - Enlarged Mechanical Room - Demolition
1/4" = 1'-0"



Building 1 - Enlarged Mechanical Room
1/4" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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OWNER
HARRISON REMC

Corydon, IN

SHEET TITLE
ENLARGED PLANS

DATE
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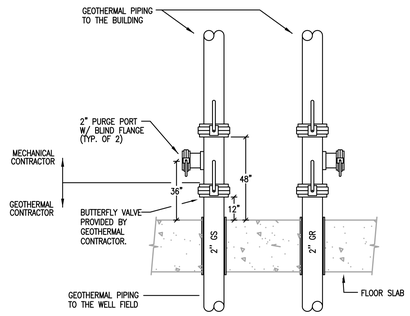
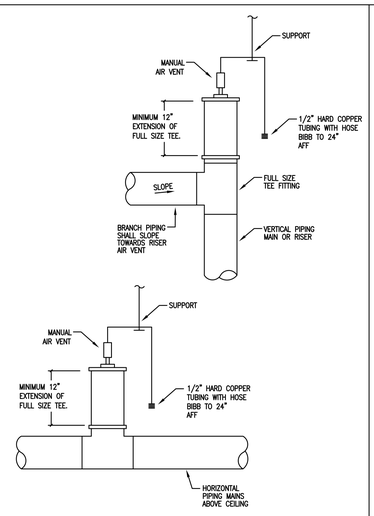
SHEET NUMBER
M304
24179.00



GEOTHERMAL PURGE PORT DETAIL

NOT TO SCALE



HYDRONIC MANUAL AIR VENT DETAIL

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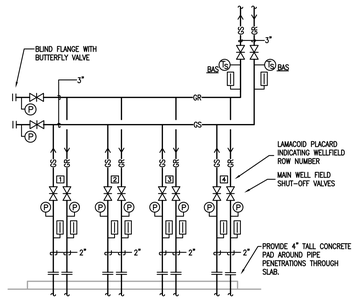
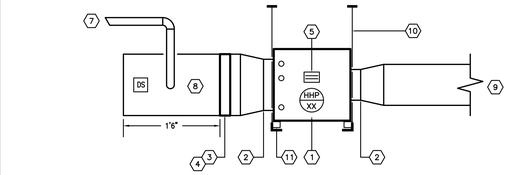


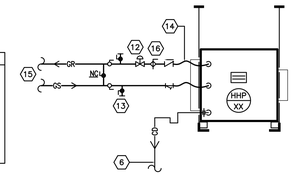
WELLFIELD MANIFOLD PIPING SCHEMATIC

NOT TO SCALE



AIR-SIDE CONNECTIONS

PIPING RUNOUT SCHEDULE		
HEAT PUMP	GS/RS PIPE	CONDENSATE
HP-07	¾"	¾"
HP-09	¾"	¾"
HP-12	¾"	¾"
HP-18	¾"	¾"
HP-24	1"	¾"
HP-30	1"	¾"
HP-36	1¼"	¾"
HP-42	1¼"	1"



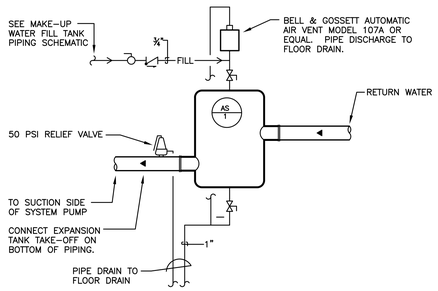
WATER-SIDE CONNECTIONS

HEAT PUMP DETAIL TAG NOTES: (X)

1. VERTICAL HEAT PUMP UNIT. DO NOT BLOCK ACCESS PANEL FOR HEAT PUMP UNIT WITH ANY OBJECT. VERIFY ON FLOOR PLANS REQUIRED CONFIGURATION. (STRAIGHT THROUGH OR END SUPPLY OUTLET)
2. PROVIDE FLEXIBLE CANVAS CONNECTIONS AT UNIT CONNECTION.
3. TRANSITION FROM SIDE ACCESS FILTER SECTION TO FULL SIZE OF UNIT INLET DIMENSION.
4. SIDE ACCESS FILTER SECTION. REFER TO SPECIFICATIONS FOR SIZE REQUIREMENTS. PROVIDE MAGNAHELIC GAUGE TAPS FOR DIFFERENTIAL PRESSURE MONITORING VIA A MANUAL/PORTABLE GAUGE.
5. IDENTIFICATION PLACARD; REFER TO SPECIFICATIONS FOR MORE INFORMATION. THE PLACARD SHALL INCLUDE THE ELECTRIC PANEL NAME AND CIRCUIT NUMBER FEEDING THE EQUIPMENT.
6. ROUTE CONDENSATE DRAIN AS INDICATED ON THE FLOOR PLANS. REFER TO RUNOUT SCHEDULE FOR PROPER SIZING.
7. CONNECT OUTSIDE AIR DUCT TO RETURN AIR DUCT. REFER TO PLANS FOR SIZES. THIS IS ONLY AS SHOWN ON THE PLANS.
8. 24" LONG RETURN AIR PLENUM. INTERNALLY LINE WITH SOUND ABSORPTION INSULATION. PLEASE IS TO BE OPEN ON ONE END WITH ½" MESH SCREEN COVERING OPENING.
9. SUPPLY DUCTWORK. REFER TO FLOOR PLANS FOR DUCT SIZE.
10. SUPPORT FROM OVERHEAD STRUCTURE WITH THREADED ROD.
11. PROVIDE VIBRATION ISOLATORS AT UNIT SUPPORT LOCATIONS.
12. 2-WAY CONTROL VALVE.
13. PURGE PORT, PROVIDE A NIBCO G757X WITH ¾" THREADED HOSE CONNECTION, TYPICAL.
14. FLEXIBLE HOSE KITS, REFER TO SPECIFICATIONS 15700 FOR FURTHER REQUIREMENTS.
15. REFER TO FLOOR PLANS FOR CONTINUATION OF CS/CR PIPING. REFER TO THE PIPING RUNOUT SCHEDULE FOR PROPER SIZING.
16. AUTOMATIC FLOW CONTROL VALVE.
17. DUCT-MOUNTED SMOKE DETECTOR, REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. INSTALL AS REQUIRE MY MANUFACTURER.

HORIZONTAL HEAT PUMP INSTILLATION DETAIL

NOT TO SCALE



AIR SEPERATOR DETAIL

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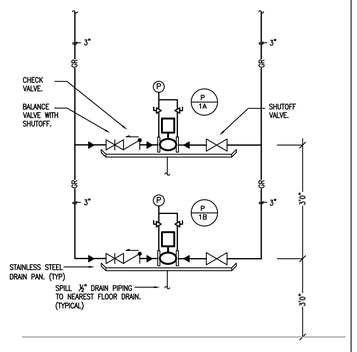

PUMP INSTILLATION DETAIL

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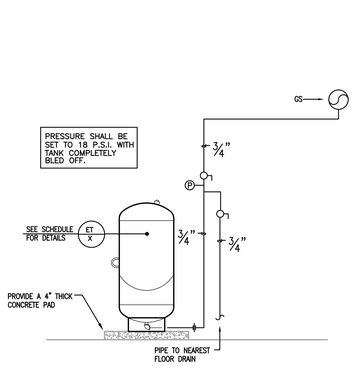
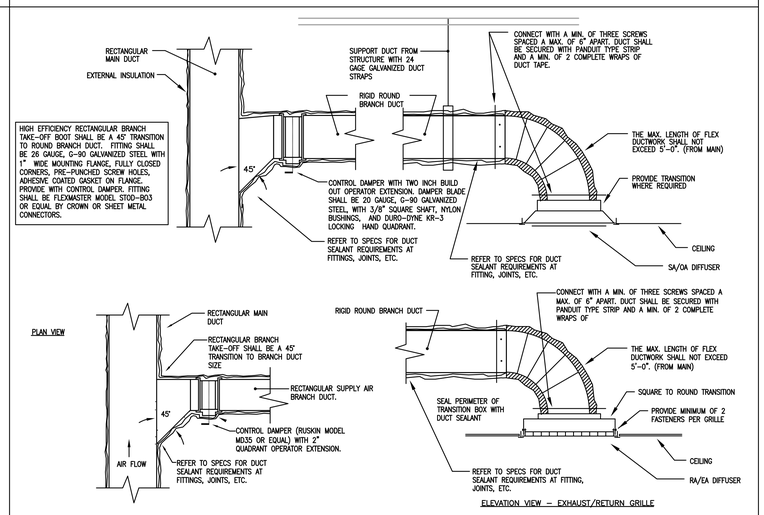


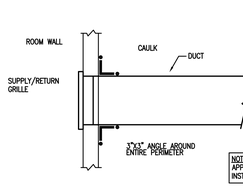
EXPANSION TANK PIPING DETAIL

NOT TO SCALE



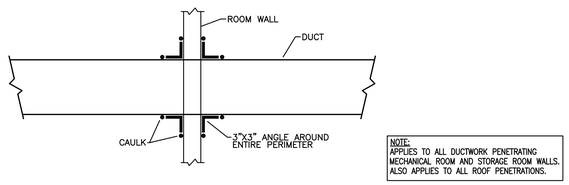
RECTANGULAR-TO-RECTANGULAR-TO-ROUND TAKEOFF DETAIL

NOT TO SCALE



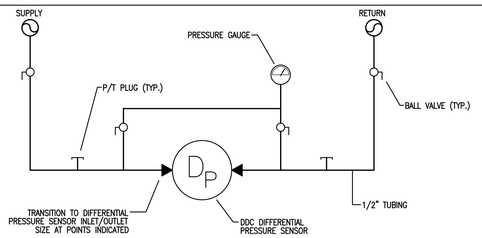
SIDEWALL SUPPLY/RETURN GRILLE DETAIL

NOT TO SCALE



DUCT WALL/FLOOR PENETRATION DETAIL

NOT TO SCALE



DIFFERENTIAL PRESSURE SENSOR DETAIL

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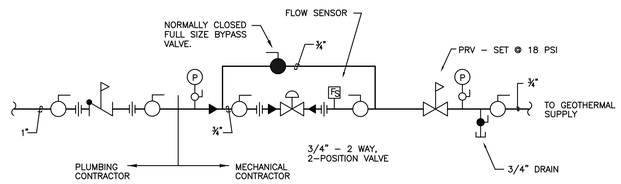

FILL SYSTEM PIPING DETAIL

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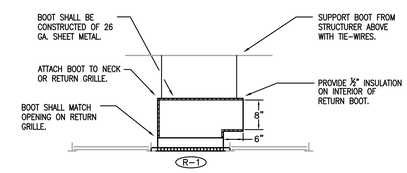

RETURN BOOT DETAIL

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MECHANICAL DETAILS

DATE
April 16, 2025

SHEET NUMBER
M401

24179.00

HORIZONTAL WATER-TO-AIR HEAT PUMP UNITs

SYMBOL	HP-07_*	HP-09_*	HP-12_*	HP-18_*	HP-24_*	HP-30_*	HP-36_*	HP-42_*
MANF. & MODEL	BOSCH EP007TVT	BOSCH EP009TVT	BOSCH EP012TVT	BOSCH EP018TVT	BOSCH EP018JVT	BOSCH EP030JVT	BOSCH EP036JVT	BOSCH EP042JVT
NOMINAL CFM/ESP	300 / 0.5"	330 / 0.5"	385 / 0.5"	600 / 0.6"	800 / 0.6"	1040 / 0.6"	1200 / 0.7"	1400 / 1.0"
FAN MOTOR	PSC	PSC	PSC	ECM	ECM	ECM	ECM	ECM
VOLTS/PHASE/HZ	208/1/60	208/1/60	208/1/60	208/1/60	208/3/60	208/3/60	208/3/60	208/3/60
MCA/MOP	4.1 / 15	5.2 / 15	6.7 / 15	12.1 / 15	11.7 / 15	11.7 / 15	18.5 / 25	19.0 / 25
REVERSE CYCLE HEATING CAPACITY -- 70°F EAT - 50°F EWT								
TOTAL HEAT (MBH)	6.6	9.2	11.5	14.2	24.2	25.5	32.5	35.8
HEAT OF ABSORPTION (MBH)	5.2	7.3	8.8	10.8	18.5	20.0	25.7	28.1
COP @ ARI	3.96	4.09	3.77	3.93	3.9	4.39	4.13	4.31
COOLING CAPACITY -- 80°F/67°F EAT - 90°F EWT								
TOTAL (MBH)	6.2	8.5	11.3	14.9	24.1	26.1	32.5	37.0
SENSIBLE (MBH)	6.1	7.3	9.1	12.2	19.7	23.0	26.0	31.7
HEAT OF REJECTION (MBH)	8.0	10.8	14.5	18.6	30.0	32.7	40.4	46.6
EER @ ARI	11.4	11.7	11.5	13.5	13.4	13.4	13.7	13.1
GPM/WPD (FT)	1.5 / 0.5	1.5 / 0.5	2.0 / 0.6	3.0 / 1.2	4.5 / 1.6	5.5 / 0.8	7.0 / 1.3	8.0 / 1.6

REMARKS:
1. ALL HEAT PUMP SHALL BE PROVIDED WITH AN INTEGRAL DISCONNECT. IF A FUSED DISCONNECT IS REQUIRED, MANUFACTURER IS TO PROVIDE ACCORDINGLY. BASIS OF DESIGN UNIT IS CAPABLE OF USING A STANDARD PANEL BREAKER SIZE FOR OVER-CURRENT PROTECTION. MECHANICAL CONTRACTOR RESPONSIBLE FOR ELECTRICAL MODIFICATIONS FOR NON-STANDARD BREAKERS.
2. MERV-7 FILTERS SHALL BE INSTALLED REMOTELY IN EXTERNAL FILTER RACKS. DO NOT PROVIDE UNITS WITH INTEGRAL FILTERS.
3. UNIT SHALL BE ARI STANDARD 330 LISTED FOR CLOSED-LOOP GROUND SOURCE HEAT PUMP APPLICATIONS.
4. PROVIDE WITH FACTORY MOUNTED OR FIELD-MOUNTED, WIRED, PROGRAMMED CONTROLLER FOR INTERFACE WITH BLDG CONTROLS SYSTEM. CONTROLLER MUST BE INSTALLED WITHIN UNIT CABINET. NO EXCEPTIONS.
5. PROVIDE HEAT PUMP WITH COMPRESSOR SOUND BLANKET PACKAGE, STAINLESS STEEL DRAIN PAN, INTEGRAL CONDENSATE P-TRAP & CONDENSATE OVERFLOW SWITCH.
6. PROVIDE HOT GAS REHEAT CAPABLE OF DELIVERING ROOM TEMPERATURE DEHUMIDIFIED AIR FOR HP-42A &B, MAXIMUM AIR PRESSURE DROP OF HOT GAS REHEAT COIL IS 0.10"wg.
7. PROVIDE WITH FACTORY START-UP UTILIZING MANUFACTURER'S STANDARD FORMS AND FORMS PROVIDED IN SPECIFICATIONS.
8. LABOR WARRANTY FOR HEAT PUMPS SHALL BE PROVIDED THROUGH THE EQUIPMENT VENDORS THROUGHOUT THE WARRANTY PERIOD REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

AIR SEPARATOR

SYMBOL	AS-1
MANUF. & MODEL	BELL AND GOSSETT SRS 3N
INLET / OUTLET SIZE	3"
GPM	190
MAX WPD	0.5" AT DESIGN FLOW

REMARKS:
1. SEPARATOR MUST UTILIZE A STAINLESS STEEL COALESCING MEDIUM TO AID IN THE SEPARATION OF AIR AND DIRT WITHIN THE ENTRAINED WATER.
2. UNIT IS AN AIR AND DIRT SEPARATOR.
3. UNIT IS TO BE ASME RATED WITH INTERNAL AIR PRESSURE CHARGE.

VAR. FREQ. DRIVE

SYMBOL	VFD-1A & 1B
MANUFACTURER & MODEL	ABB ACH550
SERVICE	P-1A & P-1B
MOTOR HP	3.0
V/ø/Hz	208/3/60
FUSED DISCONNECT	YES
BYPASS STARTER	YES
ENCLOSURE TYPE	NEMA 1

PUMPS

SYMBOL	P-1A & 1B
MANUFACTURER & MODEL	BELL & GOSSETT SERIES e-90 2AAC
SERVICE	GS/GR LOOP
TYPE	IN-LINE CLOSE COUPLED
GPM / TDH	100 / 50 FT
MOTOR HP / RPM	3.0 / 3600
V/ø/Hz	208/3/60
EFFICIENCY	74.2%
IMPELLER DIAMETER	4.25"

REMARKS:
1. PUMP EFFICIENCIES LISTED ARE MINIMUM EFFICIENCIES ACCEPTABLE. DO NOT SUBMIT LESS EFFICIENT PUMPS.

EXP. TANKS

SYMBOL	ET-1
MANUF. & MODEL	BELL & GOSSETT MODEL D15V
TYPE	VERTICAL DIAPHRAGM TYPE
SERVICE	HEAT PUMP LOOP
TANK VOLUME	7.8 GAL
ACCEPT. VOLUME	2.5 GAL
PHYSICAL SIZE	26"H X 12"DIA
AIR PRESSURE CHARGE	18 PSIG

OUTSIDE AIR UNITS

SYMBOL	OA-1	OA-2
MANF. & MODEL	GREENHECK RVE-20-30D-0-1	GREENHECK MINIVENT-750-VG
CONFIGURATION	ROOFTOP / DOWNFLOW	INDOOR / HORRIZONTAL
SINGLE POINT CONNECTION	YES - SEE BELOW	YES - SEE BELOW
VOLTAGE / PHASE	208 / 3ø	120 / 1ø
MCA / MOP	93.6 / 100	20.5 / 25.0
OA FAN DESIGN CFM / ESP	1,600 / 0.75" WG	400 / 0.5" WG
EA FAN DESIGN CFM / ESP	1,150 / 0.75" WG	400 / 0.5" WG
ENERGY RECOVERY WHEEL		
MINIMUM EFFECTIVENESS	75.8%	81.0%
OUTSIDE AIR SIDE		
CFM	1,600	400
EAT - SUMMER (DB/WB)	93.4°F / 78.7°F	93.4°F / 78.7°F
LAT - SUMMER (DB/WB)	82.9°F / 70.4°F	77.8°F / 65.9°F
EAT - WINTER (DB/WB)	8.0°F / 5.6°F	8.0°F / 5.8°F
LAT - WINTER (DB/WB)	42.1°F / 36.3°F	61.0°F / 48.9°F
EXHAUST AIR SIDE		
CFM	1,150	400
EAT - SUMMER (DB/RH)	75.0°F / 50% RH	75.0°F / 50% RH
EAT - WINTER (DB/RH)	72.0°F / 35% RH	72.0°F / 35% RH
HEATING		
TYPE / KW	ELECTRIC / 24.5	
EAT / LAT (DB)	41.2°F / 90.5°F	
CONTROL	SCR	

REMARKS:
1. FEATURES:
   - 1.1. GALVANIZED STEEL EXTERIOR HOUSING.
   - 1.2. DESICCANT WHEEL ENERGY RECOVERY.
   - 1.3. SINGLE POINT ELECTRICAL CONNECTION WITH FUSED DISCONNECT AND FACTORY RECEPTACLE. RECEPTACLE FOR OA-1 ONLY.
   - 1.4. INTERNALLY MOUNTED CONTROL CENTER WITH STARTERS, CONTROL TRANSFORMERS, AND CONTROL FUSING.
   - 1.5. ENTIRE UNIT SHALL BE DOUBLE WALL CONSTRUCTION. INSULATE WITH 1", 3# DENSITY INSULATION.
2. ACCESSORIES:
   - 2.1. WEATHER-HOODS (OA-1 ONLY)
   - 2.2. MERV 8 FILTERS FOR OUTDOOR AND EXHAUST AIR STREAMS.
   - 2.3. VIBRATION ISOLATION ROOF CURB. COORDINATE WITH ROOF TYPE. (OA-1 ONLY).
   - 2.4. HANGING BRACKETS WITH VIBRATION ISOLATION. (OA-2 ONLY).
   - 2.5. LOW LEAKAGE OUTDOOR/EXHAUST AIR DAMPERS.
   - 2.6. PAINTED EXTERIOR (OA-1 ONLY).
   - 2.7. =PROVIDE FIVE (5) EXTRA FILTERS.
   - 2.8. FACTORY CONTROLS AND THERMOSTATS.

REGISTERS, GRILLES, AND DIFFUSERS

SYMBOL	MANUFACTUER & MODEL	MATERIAL & TYPE	CFM RANGE	INLET DUCT SIZE	FACE SIZE
S-1/1A	TITUS OMNI AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	0-100	6ø	18X18 4X4
S-2	TITUS OMNI AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	101-250	8ø	18X18
S-3	TITUS OMNI AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	251-375	10ø	18X18
S-4	PRICE SDS-100	LINEAR SUPPLY DIFFUSERS, 3 SLOT, 4' LONG, ALUMINUM CONSTRUCTION. PROVIDE WITH INSULATED PLENUM.	335	10ø	48X6
R-1	TITUS 50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	0-1000	22X22	24X24
E-1/1A	TITUS 50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	0-100	6"ø	12X12
E-2	TITUS 50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	101-225	8"ø	14X14
E-3	TITUS 50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	251-375	10"ø	16X16

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" (or 12"x12") 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.
- FOR LINEAR GRILLES PROVIDE AN EXTERNALLY INSULATED PLENUM ON THE INSIDE FACE OF THE GRILLE AND CONNECT ROUND DUCTWORK TO PLENUM. INTERIOR OF PLENUM SHOULD BE FLAT BLACK.

ELECTRIC HEATER

SYMBOL	EH-1A & B
MANUF. & MODEL	MARKEL 3320 SERIES
MOUNTING TYPE	SURFACE WALL MOUNT
NOMINAL AIRFLOW (CFM)	175
ELECTRICAL CONNECTION	120V / 1ø / 60
TOTAL HEAT (kW)	1.5

REMARKS:
1. PROVIDE WITH INTEGRAL POWER DISCONNECT AND SINGLE POINT CONNECTION.
2. PROVIDE WITH MANUFACTURER'S FIELD INSTALLED IN-UNIT TEMPERATURE CONTROL THERMOSTAT. SET TEMPERATURE AT 65°F. PROVIDE RELAY FOR THE BAS SYSTEM. REFER TO THE CONTROLS SPECIFICATIONS FOR MORE INFORMATION.
3. PROVIDE WITH KIT FOR RECESSED MOUNTING AS REQUIRED.

LOUVERS

SYMBOL	L-1	L-2
MANUF. & MODEL	GREENHECK ESD-635	GREENHECK ESD-635
SERVICE	OUTSIDE AIR	EXHAUST AIR
DEPTH	6" DEPTH	6" DEPTH
CONSTRUCTION	EXTRUDED ALUMINUM	EXTRUDED ALUMINUM
CFM / APD	400 / 0.01" WG	400 / 0.01" WG
PHYSICAL SIZE	16"W X 12"H	16"W X 12"H
FREE AREA (SQ. FT.)	MINIMUM 1.0 SQ.FT.	MINIMUM 1.0 SQ.FT.

REMARKS:
1. FREE AREA LISTED IS MINIMUM ACCEPTABLE. ALTERNATE LOUVER MANUFACTURERS SHALL MEET OR EXCEED AREA LISTED. NO EXCEPTIONS!
2. ALL LOUVERS SHALL BE EXTRUDED ALUMINUM AND COATED WITH FACTORY BAKED ENAMEL. CUSTOM PAINT COLOR AS SELECTED BY ARCHITECT.
3. PROVIDE WITH BIRD SCREEN AND DRAINABLE BLADE.

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ISSUED FOR | DATE
BID DOCUMENTS | 2025.04.24

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PROJECT TITLE
Harrison REMC - Additions and Renovations

OWNER
HARRISON REMC
Corydon, IN

SHEET TITLE
MECHANICAL SCHEDULES

DATE
April 16, 2025

SHEET NUMBER
M501
24179.00

DESCRIPTION	MOUNTING HEIGHT (TO CENTER OF BOX)	DRAWING SYMBOL
SWITCHES		
LIGHT SWITCH-GENERAL PURPOSE	46"	$
EXAM LIGHT SWITCH	46"	$X
NIGHT LIGHT SWITCH WITH CONSTANTLY ILLUMINATED HANDLE	46"	$N
SURGICAL LIGHT INTENSITY CONTROL	46"	$SL
DIMMER SWITCH	46"	$D
THREE-WAY SWITCH	46"	$3
FOUR-WAY SWITCH	46"	$4
KEYED SWITCH	46"	$K
OCCUPANCY OR VACANCY SENSOR SWITCH	46"	$OS, $VS
LIGHT SWITCH FOR UNDER-CABINET LIGHTS	46"	$U
ILLUMINATED HANDLE LIGHT SWITCH (ILLUMINATED WHEN LOAD IS OFF)	46"	$IL
LOW VOLTAGE MOMENTARY SWITCH	46"	$LV
PILOT LIGHT SWITCH (ILLUMINATED WHEN LOAD IS ON)	46"	$PL
NON-REVERSING MOTOR STARTER SNAP SWITCH	AS NOTED	$M
MOMENTARY CONTACT SWITCH	46"	$MC
HAND-OFF-AUTO 3-POSITION SWITCH	46"	$HOA
TIMER SWITCH	46"	$T
OCCUPANCY OR VACANCY SENSOR, CEILING MOUNT	CLG	OS VS
PHOTO-CELL, AS NOTED	AS NOTED	PC
EMERGENCY AUTOMATIC TRANSFER SWITCH FOR LIGHTING CONTROLS (REFER TO DETAIL)		ATS
POWER OUTLETS		
SIMPLEX RECEPTACLE	1'-6"	
DUPLEX RECEPTACLE-SAFETY TYPE, TAMPER-RESISTANT	1'-6"	S
DUPLEX RECEPTACLE	1'-6"	
SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTERTOP 4" ABOVE BACKSPLASH, OR AT 46" WHERE NO COUNTER IS PRESENT		
FILLED CENTER BAR INDICATES INTEGRAL GROUND FAULT PROTECTION (GFCI).	1'-6"	
DEAD FRONT GFCI DEVICE, LABEL AND INSTALL IN READILY ACCESSIBLE LOCATION		
FILLED OUTER BARS INDICATES INTEGRAL INTEGRAL USB OUTLETS IN ADDITION TO POWER RECEPTACLES	1'-6"	
GANG RECEPTACLE IN COMBINATION WITH SWITCH (PROVIDE DIVIDER IF LIGHTING CIRCUIT IS 277V)	46"	C/S
DUPLEX RECEPTACLE, CEILING MOUNTED	CLG	
QUADRUPLEX RECEPTACLE	1'-6"	
JUNCTION BOX, CEILING OR WALL		J, HJ
VOLTAGE/1PH RECEPTACLE, AS NOTED	AS NOTED	
VOLTAGE/3PH RECEPTACLE, AS NOTED	1'-6"	
"DOG-HOUSE" TYPE TWIN DUPLEX RECEPTACLE WITH ONE DUPLEX RECEPTACLE ON BOTH SIDES	ON CNTR.	DP
SS INDICATES SURGE SUPPRESION TYPE OUTLET(S)		SS
GROUND FAULT PROTECTED DUPLEX WITH WEATHER-PROOF "WHILE IN USE" TYPE DIE-CAST METAL COVERPLATE WITH LOCKABLE ENCLOSURE AT OUTLET - SEE SPECIFICATIONS	2'-2"	WP
ELECTRIC WATER COOLER RECEPTACLE. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR TO CONCEAL OUTLET(S) BEHIND COOLER, PROVIDE MULTIPLE RECEPTACLES WHERE REQUIRED BY MANUFACTURER, PROVIDE READILY ACCESSIBLE DEAD FRONT GFCI DEVICE AT 18" ADJACENT TO WATER COOLER FOR PROTECTION OF WATER COOLER RECEPTACLE(S)		EWC
FIRE ALARM		
MAIN CONTROL PANEL CENTRAL PROCESSING UNIT (CPU)	6'-6" TO TOP	FACP
PULL STATION : DOUBLE ACTION	46" TO LEVER	F
KEYED, LOCKED PULL STATION : DOUBLE ACTION. STATION SHALL ONLY BE OPERABLE VIA KEY IN POSSESSION OF STAFF.	46" TO LEVER	F K
AUDIO/VISUAL NOTIFICATION APPLIANCE	WALL, CLG	F (V) (A)
AUDIO-ONLY NOTIFICATION APPLIANCE	WALL, CLG	A (A)
VISUAL-ONLY NOTIFICATION APPLIANCE	WALL, CLG	V (V)
BELL / LIGHT	80"	BL
BELL ONLY	80"	B
PHOTO-ELECTRIC SMOKE DETECTOR	CLG	SD
PHOTO-ELECTRIC SMOKE DETECTOR FOR PATIENT ROOM MONITORING (SEE RISER)	CLG	SD P
PROJECTED BEAM SMOKE DETECTOR; EMITTER (BE) AND RECEIVER (BR)		BE, BR
HEAT DETECTOR	CLG	HD
CARBON MONOXIDE DUCT DETECTOR	ABV CLG	CD
CARBON MONOXIDE ALARM: SINGLE STATION W/SOUNDER BASE.	CLG	CM
CARBON MONOXIDE AUDIO/VISUAL NOTIFICATION APPLIANCE	WALL	F CM
DOOR HOLDER : WALL TYPE	WALL	DH
DOOR HOLDER : CLOSURE TYPE	ABV DOOR	DH C
DUCT SMOKE DETECTOR	ABV CLG	DD
CONNECTION TO SPRINKLER FLOW SWITCH WITH ADDRESSABLE MODULE		FS
CONNECTION TO SPRINKLER TAMPER SWITCH WITH ADDRESSABLE MODULE		TS
PRESSURE SWITCH		PS
REMOTE L.C.D. FIRE ALARM ANNUNCIATOR	54"	FAA
REMOTE FIRE ALARM ANNUNCIATOR W/ MICROPHONE	54"	FAAM
POST INDICATOR VALVE		PIV
POWER SUPPLY/CONTROL FOR AUDIO/VISUAL DEVICES	46"	NAC
TRANSPONDER CABINET	46"	TRAN
GRAPHICS DISPLAY TERMINAL		GDT
FIRE ALARM CONTROL EXTENDER		EXT
ISOLATION MODULE	WALL	I
ZONE ADDRESSABLE MODULE		Z
H.V.A.C. SMOKE DAMPER CONNECTION		SM
FLUSH MOUNTED REMOTE ALARM INDICATING STATION/TEST SWITCH	7'-6"	RI
FIREMAN'S PHONE JACK	4'-6"	FP
FIREMAN'S KNOX BOX CONNECTION		KB
ADDRESSABLE RELAY MODULE		R
INDICATES VANDAL-PROOF POLYCARBONATE COVER. VANDAL PROOF COVERS SHALL BE UL LISTED FOR USE WITH THE SPECIFIC DEVICE THEY ARE PROTECTING		PC
INDICATES CHIME/AUDIBLE NOTIFACTION		CH
DEVICE USED FOR ELEVATOR CONTROL		EL

DESCRIPTION	MOUNTING HEIGHT (TO CENTER OF BOX)	DRAWING SYMBOL
LIGHTING		
REFER TO LUMINAIRE SCHEDULE FOR EXACT FIXTURE SPECIFICATIONS, MOUNTING HEIGHTS, ETC.		
SURFACE OR SUSPENDED CEILING FIXTURE (SLASH INDICATES RECESSED)		
POLE MOUNTED AREA LIGHT		
EMERGENCY BATTERY WALL-PACK		
WALL MOUNT FIXTURE		
FLOODLIGHT		
SURGICAL/EXAM LIGHT		SL, XL
EXIT LIGHT (CEILING, END, WALL MOUNT)		
STRIP FIXTURE		
CROSS-HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY-CRITICAL BRANCH		
PARALLEL-HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY-LIFE SAFETY BRANCH		
MISCELLANEOUS		
CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE; ARROW(S) INDICATE(S) HOME RUN & # OF CIRCUITS: HASHMARKS INDICATE # OF CONDUCTORS. DASHED LINE INDICATES CONDUIT BELOW FLOOR.		GROUND, NEUTRAL, PHASE
DISCONNECT SWITCH	5'-0"	
MAGNETIC STARTER	5'-0"	
MAGNETIC COMBINATION STARTER	5'-0"	
VARIABLE FREQUENCY DRIVE	5'-0"	
ENCLOSED FLUSH MTD. CIRCUIT BREAKER	5'-0"	
BOX ON ANY DEVICE INDICATES SURFACE MOUNTED BACKBOX/WIREMOLD		
CIRCLE ON ANY DEVICE INDICATES DEVICE FED FROM STUB UP CONDUIT		
WIREWAY WITH REMOVABLE COVER (SIZE AS NOTED)	AS SHOWN	
TRENCH DUCT (SIZE AS NOTED)	AS SHOWN	
PUSHBUTTON STATION	46"	
FLEXIBLE CONDUIT		
PANELBOARD, SURFACE OR FLUSH MOUNTED, HATCHING INDICATES EMERGENCY	6'-6" TO TOP	
TRANSFORMER	AS NOTED	
EQUIPMENT TAG, REFER TO EQUIPMENT SCHEDULE		EQUIP-1
TAGGED NOTE		
REVISION TAG		
MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES)		
WIRE BASKET CABLE TRAY, SIZE AS NOTED	AS SHOWN	
LADDER CABLE TRAY, SIZE AS NOTED	AS SHOWN	
SOLID BOTTOM CABLE TRAY, SIZE AS NOTED	AS SHOWN	
LOW VOLTAGE CABLE PATH		
DOORBELL/ PUSHBUTTON STATION, PROVIDE COMPLETE WITH TRANSFORMER (MOUNT ABOVE CEILING IN CORRIDOR NEAR PUSH-BUTTON) AND ALL ACCESSORIES. POWER FROM NEAREST AVAILABLE 120V NORMAL POWER GENERAL RECEPTACLE CIRCUIT, NUTONE OR EQUAL	46"	DB
DOORBELL/ AUDIO/VISUAL STATION, PROVIDE PROVIDE CONNECTION TO PUSHBUTTON STATION IN AREA. COORDINATE EXACT AUDIO SOUND (CHIME, BUZZER, ETC.) DESIRED WITH OwNER/ARCHITECT, NUTONE OR EQUAL	7'-6"	DB
EQUIPMENT HARDWIRE CONNECTION (SEE DETAIL)		K
KITCHEN EQUIPMENT OUTLET COUPLING CONNECTION (SEE DETAIL)		
MOTOR CONNECTION. REFER TO EQUIPMENT CONNECTION SCHEDULE		C
INDICATES MOUNTING ABOVE COUNTER-TOP, 2" ABOVE BACKSPLASH, NO HIGHER THAN 48"		WG
WIREGUARD - PROVIDE MANUFACTURER'S SPECIFIC GUARD FOR DEVICE NOTED		WP
WEATHERPROOF - NEMA-3R, WET LOCATION LISTED. PROVIDE COVERS, RATINGS, ETC. AS SUITABLE FOR OUTDOORS.		XP
EXPLOSION PROOF - PROVIDE WIRING METHODS, ENCLOSURES, RATINGS, ETC. AS SUITABLE FOR HAZARDOUS LOCATION.		
INDICATES EMERGENCY POWER		E,EM
PLUMBING FIXTURE SOLENOID VALVE/ELECTRIC EYE SENSOR CONNECTION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.		
PLUMBING FIXTURE ELECTRIC EYE TRANSFORMER CONNECTION. TRANSFORMER SHALL BE 120V-24V. MOUNT ABOVE SUSPENDED ACCESSIBLE CEILING IN J-BOX. PROVIDE ADDITIONAL TRANSFORMERS OF SAME TYPE AS/IF NEEDED		Y
PROVIDE CONNECTION TO HAND DRYER (SEE ARCHITECTURAL SPECIFICATIONS)	VERIFY WITH ARCHITECT	
SURGE PROTECTION DEVICE		SPD
GENERATOR ANNUNCIATOR PANEL - SEE SPECIFICATIONS	46"	GEN-A
THERMOSTAT PROVIDED BY MECHANICAL CONTRACTOR; ELECTRICAL CONTRACTOR SHALL PROVIDE BACK-BOX CONDUIT STUB-UP, REFER TO MECHANICAL DRAWINGS FOR LOCATIONS		T
CONDUIT UP		
CONDUIT DOWN		
GROUND BUS BAR ON INSULATED STANDOFFS	2'-0"	
BUS DUCT, AMPERAGES AS NOTED	AS SHOWN	

DESCRIPTION	MOUNTING HEIGHT (TO CENTER OF BOX)	DRAWING SYMBOL
ABBREVIATIONS		
UNLESS OTHERWISE NOTED		UON
OWNER FURNISHED CONTRACTOR INSTALLED		OFCI
OWNER FURNISHED OWNER INSTALLED		OFOI
CONTRACTOR FURNISHED CONTRACTOR INSTALLED		CFCI
CONTRACTOR FURNISHED OWNER INSTALLED		CFOI
INDICATES EMERGENCY POWER		EM
SPECIAL OUTLETS		
FLOORBOX, POWER ONLY, AS SCHEDULED	FLOOR	
FLOORBOX, COMBINATION POWER AND LOW VOLTAGE, REFER TO FLOORBOX SCHEDULE	FLOOR	
FIRE RATED POKE-THRU FLOOR BOX, COORDINATE EXACT COVER REQUIREMENTS WITH ARCHITECTURAL FINISHES, DEVICES AS SCHEDULED	FLOOR	
AUDIO/VISUAL SYSTEM OUTLET WITH DUPLEX RECEPTACLE. REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION	1'-6"	AV
COMBINATION POWER AND DATA OUTLET LOCATION, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION	1'-6"	
COMBINATION POWER AND DATA OUTLET LOCATION, GFCI DUPLEX RECEPTACLE, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION	1'-6"	
OVERHEAD PROJECTOR: PROVIDE DUPLEX RECEPTACLE, ONE DATA, HDMI, 3.5mm AUDIO, AND VGA OUTLET ON (3) PLATES	CLG	
SPECIAL VIDEO SYSTEM SIGNAL INPUT		
SURFACE PLUG-MOLD		
SURFACE WIRE-MOLD		
POWER POLE AS NOTED		PP
TELEVISION		
TELEVISION SPLITTERS/AMPLIFIERS/DISTRIBUTION	46"	TV-HE
TELEVISION SYSTEM OUTLET WITH QUADRUPLEX RECEPTACLE, COORDINATE LOCATION WITH WALL BRACKET WHERE APPLICABLE	7'-0"	T
OVERHEAD PAGING		
PAGING SPEAKER: CEILING	CLG	S
PAGING SPEAKER W/ VOLUME CONTROL	CLG	SV
PAGING SPEAKER: WALL	8'-0"	S
RECESSED WALL MOUNTED PAGING SPEAKER DUKANE 5A606 SPEAKER, ATLAS 417-8WD	8'-0"	S R
WALL MOUNTED PAGING HORN	9'-0"	H
VANDAL PROOF / WEATHERPROOF WALL MOUNTED PAGING SPEAKER, QUAM VP1	SEE FLOOR PLANS	S WP
EXTERIOR VANDAL PROOF / WEATHERPROOF WALL MOUNTED PAGING SPEAKER, SHALL BE PAINTED COLOR SELECTED BY ARCHITECT/OWNNER. QUAM VP6	SEE FLOOR PLANS	S EXT.
CALL INITIATION STATION	46"	C
WALL VOLUME CONTROL	46"	V
LCD WALL DISPLAY		LD
MICROPHONE	CLG	M
PAGING SYSTEM AMPLIFIER/TUNER CABINET	46"	PA
CLOCKS		
ANALOG CLOCK	84"	
ELAPSED TIMER		ET
DIGITAL CLOCK: SINGLE FACE	84"	DC
DIGITAL CLOCK: DUAL FACE	84"	2DC
CLOCK SYSTEM HEAD END	84"	CLOCK
PANEL FURNITURE		
PANEL FURNITURE DUPLEX RECEPTACLE. PROVIDE ALL WIRING AS REQUIRED, COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATIONS WITH OWNER'S PANEL FURNITURE VENDOR		
PANEL FURNITURE DATA/VOICE OUTLET. PROVIDE ALL WIRING AS REQUIRED, COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATIONS WITH OWNER'S PANEL FURNITURE VENDOR		
POWER CONNECTION TO PANEL FURNITURE, PROVIDE SEAL-TIGHT CONDUIT CONNECTION FROM RECESSED WALL BOX TO PANEL FURNITURE. PROVIDE FINAL CONNECTIONS TO PANEL FURNITURE AS REQUIRED BY PANEL FURNITURE VENDOR	1'-6"	FP
COMBINATION POWER AND LOW VOLTAGE CONNECTION TO PANEL FURNITURE. PROVIDE SEAL-TIGHT CONDUIT CONNECTION FROM RECESSED WALL BOX TO PANEL FURNITURE. PROVIDE FINAL CONNECTIONS TO PANEL FURNITURE AS REQUIRED BY PANEL FURNITURE VENDOR	1'-6"	FF
DATA / VOICE		
DATA OUTLET : NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA JACKS	1'-6"	#D
VOICE OUTLET : NUMBER BESIDE OUTLET INDICATES NUMBER OF VOICE JACKS	1'-6"	#V
COMBINATION OUTLET : NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA/VOICE JACKS	1'-6"	#D#V
RF TRACKER ANTENNA	CLG	
TELEMETRY ANTENNA	CLG	
OUTLET (VOICE ONLY) : PAYPHONE TYPE	AS REQ'D.	PAY
MAIN DISTRIBUTION FRAME - REFERENCE DATA SYSTEM SCHEMATICS AND DETAILS FOR ADDITIONAL REQUIREMENTS		MDF
INTERMEDIATE DISTRIBUTION FRAME - REFERENCE DATA SYSTEM SCHEMATICS AND DETAILS FOR ADDITIONAL REQUIREMENTS		IDF
TELECOMMUNICATIONS SYSTEM BACKBOARD. PROVIDE 96"H x 3/4"D FIRE-RETARDENT PLYWOOD BACKBOARD WITH TWO (2) COATS OF NON-CONDUCTIVE, FIRE-RETARDANT LIGHT GRAY PAINT, #3/0 TO GROUND BAR AT MAIN SERVICE SWITCHBOARD, 30-PT GROUND BAR AND A 6'-0", #3 AWG PIGTAIL AT BACKBOARD. INSTALL BOARD AT 2' AFF. (LENGTH OF BOARD AS INDICATED ON FLOOR PLAN)		TEL
WIRELESS ACCESS POINT WITH PROVISIONS FOR (1 DATA OUTLET FOR ANTENNA. PROVIDE A COMPLETE DATA OUTLET WITH FACEPLATE ABOVE CEILING, MOUNTED AT AN ACCESSIBLE HEIGHT NO MORE THAN 24" ABOVE CEILING. AT EACH OUTLET, PROVIDE A 20' COIL OF CABLE AHEAD OF THE OUTLET FOR ADJUSTMENT OF FINAL OUTLET LOCATION. THE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS WITH THE OWNER AND ADJUST OUTLET LOCATIONS AT SUBSTANTIAL COMPLETION TO ACCOMMODATE OWNER'S WAP LOCATIONS. WAP'S ARE OWNER-FURNISHED, OWNER-INSTALLED		WAP

DESCRIPTION	MOUNTING HEIGHT (TO CENTER OF BOX)	DRAWING SYMBOL
SECURITY PANIC ALARM		
PANIC ALARM BUTTON	46"	PB
PANIC ALARM ANNUNCIATOR	46"	PA
AMBER STROBE	80"	AS
PANIC ALARM POWER SUPPLY CABINET	46"	SEC-P
SECURITY INTERCOM		
AUDIO/VIDEO INTERCOM STATION: MASTER WITH SELECTIVE DOOR CONTROLS. POWER SUPPLIES & DOOR RELAY CONTACTS AS REQUIRED FOR OPERATION OF ANY DOOR IN THE SYSTEM AND VIEWING OF ANY AUDIO/VIDEO INTERCOM REMOTE ON THE SYSTEM. AIPHONE#AX-MV W/DESK STAND - COLOR BY ARCHITECT.	18"	IM
SAME AS "IM" EXCEPT WALL MOUNTED	46"	IM W
AUDIO/VIDEO INTERCOM STATION: REMOTE WITH FLUSH-MTD S.S. ENCLOSURE. AIPHONE #AX-DVF.	46"	IR
SECURITY ACCESS CONTROL		
DOOR ALARM/POSITION SWITCH	DOOR FRAME	DA
MAGNETIC LOCK(S)	ABV DOOR	ML
DOOR POWER SUPPLY	ABV CLG	DS
DOOR DELAYED EGRESS/ELECTRIFIED PANIC MECHANISM	ABV DOOR	DP
ELECTRIC STRIKE	AT LATCH	ES
AUTOMATIC DOOR CONNECTION (MAY ALSO HAVE ELECTRIC STRIKE/MAG-LOCK/ELECTRIFIED PANIC CONNECTION - SEE ARCHITECTURAL HARDWARE SPECIFICATIONS).	CLG	AD
DOOR RELEASE PUSH-PLATE / INFRA-RED OPERATOR STATION. PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED.	46"	PIP
DOOR RELEASE KEYSWITCH STATION	6'-0"	KS
DOOR RELEASE KEYPAD STATION	46"	KP
DOOR RELEASE CARD READER STATION. PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED.	46"	CR
SAME AS "CR" EXCEPT MULLION MOUNT	46"	CR M
MOTION SENSOR DOOR CONTROL	CEIL.	MS
PUSH-TO-EXIT BUTTON	46"	PE
ACCESS CONTROL POWER SUPPLIES/CONTROL PANEL	46"	SEC-A
SECURITY CCTV VIDEO SURVEILLANCE		
REMOTE DOOR RELEASE PUSH-BUTTON	8" ACT	RR
CCTV CAMERA: CEILING MOUNT DOME	CLG	CC
CCTV CAMERA: WALL MOUNT DOME	WALL	CC
INDICATES EXTERIOR CAMERA RATED FOR CONDITIONS, WET LOCATION LISTED, WITH AUXILLARY HEATER		WP
INDICATES CAMERA WITH PAN/TILT/ZOOM FUNCTION		PTZ
CCTV POWER SUPPLIES/CONTROL PANEL	46"	SEC-C
SECURITY INTRUSION DETECTION		
MOTION DETECTOR	CLG	MD
MOTION DETECTOR KEYPAD CONTROLLER	46"	MK
SECURITY SYSTEM HEAD END	46"	SEC-M

SYSTEM RESPONSIBILITY MATRIX

SYSTEM	ITEM USED ON PROJECT	DEVICES - O F O I	DEVICES - O F C I	DEVICES - C F C I	CABLING/CONDUCTORS - O F O I	CABLING/CONDUCTORS - O F C I	CABLING/CONDUCTORS - C F C I	BACKBOXES/CONDUIT - O F O I	BACKBOXES/CONDUIT - O F C I	BACKBOXES/CONDUIT - C F C I	SYSTEM SYMBOL
OVERHEAD PAGING	●	●			●				●		◇
FIRE ALARM	●	●			●				●		□
SECURITY: PANIC ALARM	●	●			●				●		⬡
SECURITY: ACCESS CONTROL	●	●			●				●		⬡
SECURITY: VIDEO SURVEILLANCE	●	●			●				●		⬡
TELEVISION	●	●			●				●		⊗
DATA PROCESSING	●	●			●				●		▽
TELEPHONE	●	●			●				●		▼
LOCAL SOUND	●	●			●				●		○

SYSTEM RESPONSIBILITY GENERAL NOTES:

A. REFER TO VENDOR DRAWINGS FOR COMPLETE SCOPE OF WORK RELATING TO VENDOR-FURNISHED EQUIPMENT. ALL WORK INDICATED ON VENDOR DRAWINGS SHALL BE INCLUDED BY THE CONTRACTOR.
B. REFER TO ARCHITECTURAL DOOR HARDWARE SPECIFICATIONS FOR ACCESS CONTROL DEVICE SPECIFICATIONS AND FURTHER REQUIREMENTS.
C. PROVIDE BACKBOXES AND CONDUIT WITH PULL-STRINGS FOR ALL SYSTEMS. CONTRACTOR SHALL VERIFY BACKBOX SIZES, CONDUIT, ETC. AND EXACT INSTALLATION LOCATIONS/REQUIREMENTS WITH SUCCESSFUL VENDORS OF ALL SYSTEMS PRIOR TO CONSTRUCTION.
D. AT ALL SYSTEMS EQUIPMENT CABINET/TERMINAL BOARD LOCATIONS, CONTRACTOR SHALL PROVIDE SIZE AND NUMBER OF CONDUIT STUB-OUTS TO CABLE PATHS AS REQUIRED BY SYSTEM VENDORS, TERMINATE CONDUITS AT CABINET/SON BACKBOARDS AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH APPROPRIATE VENDORS PRIOR TO CONSTRUCTION.
E. REFER TO SPECIFICATIONS FOR REQUIREMENTS APPLICABLE TO ALL SYSTEMS INCLUDING CABLING, CABLE MANAGEMENT, INSTALLATION, GROUNDING, TESTING, LABELING, ETC.
F. WHERE INDICATED AS CFCI, THE CONTRACTOR SHALL PROVIDE THE SYSTEM COMPLETE, INCLUDING ALL ROUGH-INS, CABLING, DEVICES, POWER, ETC. THE CONTRACTOR SHALL CONTACT THE LISTED VENDOR FOR PRICING PRIOR TO BID. ALL SYSTEMS SHALL MATCH EXISTING FACILITY STANDARDS AND BE FULLY COMPATIBLE WITH ANY EXISTING SYSTEMS. ALL SYSTEM VENDORS SHALL COORDINATE EXACT SYSTEM REQUIREMENTS WITH OWNER PRIOR TO BID. NEW COMPONENTS SHALL BE INTERCONNECTED WITH EXISTING SYSTEMS WHERE POSSIBLE. ALL NEW SYSTEM DESIGNS AND PROGRAMMING SHALL BE COORDINATED WITH THE OWNER PRIOR TO ORDERING. ALL PROGRAMMING SHALL BE INCLUDED AS REQUIRED BY THE OWNER. PROVIDE 4 HOURS OF TRAINING FOR EACH SYSTEM.

GENERAL NOTES (LEGEND):

A. EACH CONTRACTOR, PROPOSER, 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 TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.

B. ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.

C. WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES. INCLUDING BUT NOT LIMITED TO NFPA 70 (NEC), NFPA 72, INTERNATIONAL BUILDING CODES, ETC. IN ADDITION, OBSERVE ALL APPLICABLE RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT FROM CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.

D. CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES. WITH ALL AMENDMENTS AS ADOPTED BY THE CURRENT LEGISLATION. REFER TO ELECTRICAL AND STRUCTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

E. ADVISE THE ENGINEER OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.

F. WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.

G. 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.

H. ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVAL AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.

I. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.

J. MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INDICATED *ABOVE FINISHED FLOOR* ARE TO CENTER OF DEVICE UNO. MOUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE UNO. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.

K. DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.

L. REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND FURNITURE, CASEWORK, AND/OR EQUIPMENT. ADDITIONAL OUTLETS MAY BE SHOWN ON ARCHITECTURAL DRAWINGS AND SHALL BE INCLUDED IN THE CONTRACT.

M. FLUSH OR PEDESTAL TYPE FLOOR OUTLETS/BOXES, AS INDICATED ON PLAN, SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.

N. INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION.

O. THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.

P. THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE-NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.

Q. ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER

R. ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEER, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.

S. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.

T. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK AND COLORS WITH ARCHITECT.

U. WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATIONS AS WILL NOT V

FIRST FLOOR ELECTRICAL DEMOLITION

1/8" = 1'-0"

GENERAL NOTES (DEMOLITION):

A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND GRAY SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

B. DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.

C. 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.

D. 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.

E. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). 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).

F. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.

G. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.

H. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.

I. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.

J. UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.

K. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.

L. 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.

M. 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.

KEYNOTES:

D1 EXISTING PANEL INDICATED SHALL BE REMOVED AND REPLACED. EXISTING REMAINING CIRCUITS SHALL BE INTERCEPTED AND EXTENDED TO REPLACEMENT PANEL INDICATED ON NEW WORK PLANS. FIELD VERIFY EXISTING CONDITIONS.

D2 EXISTING ABANDONED GENERATOR SHALL BE REMOVED COMPLETELY.

D3 EXISTING ELECTRICAL DEVICE IN CEILING INDICATED SHALL BE REMOVED AND REINSTALLED IN NEW CEILING. SEE NEW WORK PLANS FOR NEW LOCATION.

D4 EXISTING MECHANICAL/PLUMBING EQUIPMENT INDICATED AND ALL ASSOCAITED DEVICES, CONDUIT, FEEDERS, DISCONNECTING MEANS, ETC. TO BE REMOVED COMPLETELY BACK TO SOURCE. COORDINATE EXACT REQUIREMENTS, LOCATIONS, ETC. WITH MECHANICAL CONTRACTOR.

D5 EXISTING ELECTRICAL DEVICE INDICATE SHALL BE REMOVED AND RELOCATED TO NEW LOCATION SHOWN ON NEW WORK PLANS.

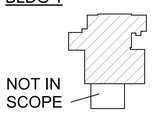
D6 EXISTING LIGHTPOLES TO BE DEMOLISHED. COORDINATE REQUIREMENTS WITH CIVIL ENGINEER.

D7 COORDINATE RELOCATION OF AIR COMPRESSOR WITH MECHANICAL CONTRACTOR.

E3 EXISTING PANELS SHALL BE RELOCATED AS REQUIRED FOR NEW CONSTRUCTION. REFER TO NEW WORK PLANS FOR NEW LOCATIONS.

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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BID DOCUMENTS 04/24/2025

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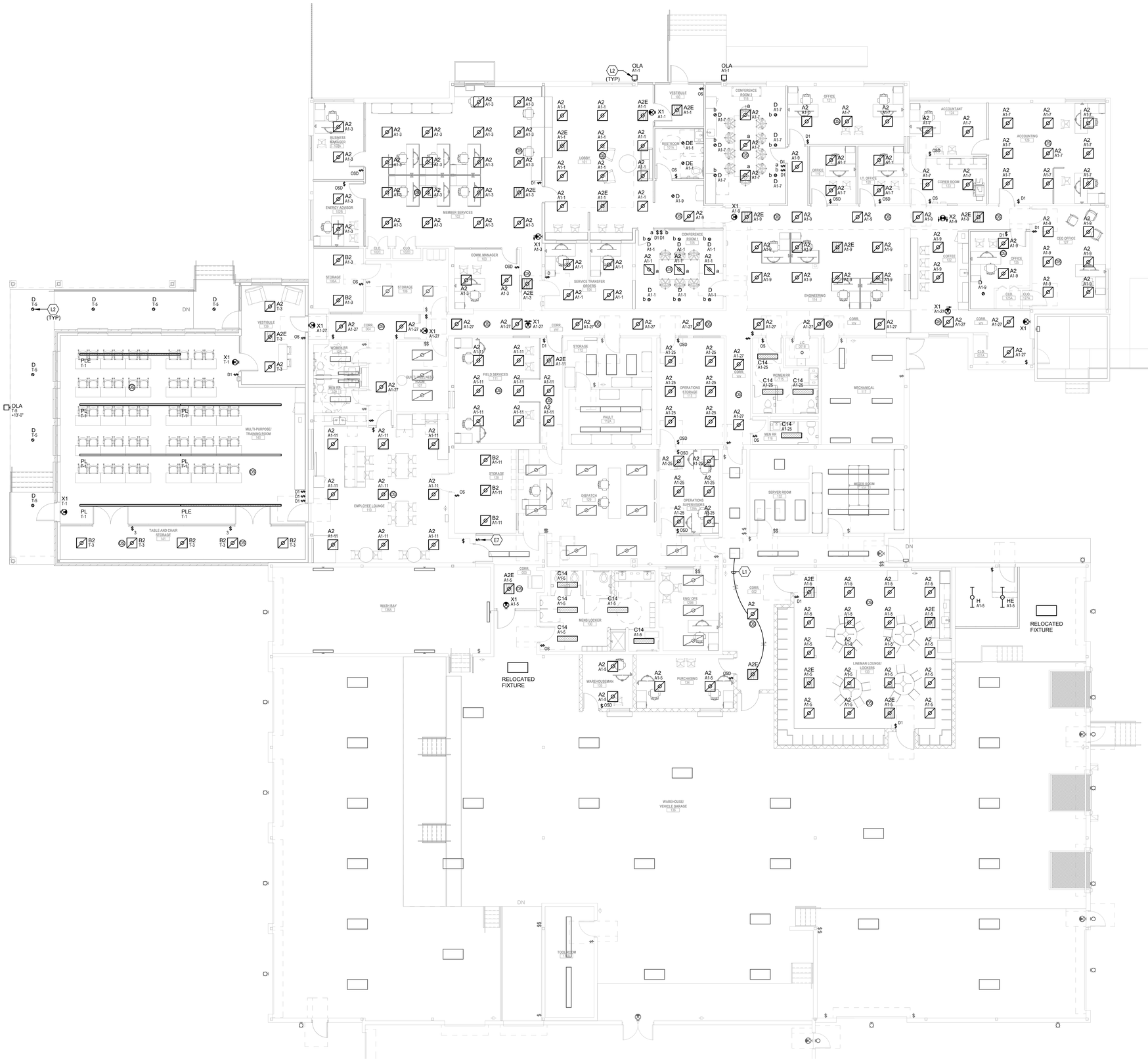
PROJECT TITLE
Harrison REMC - Addition & Renovation

OWNER
Corydon, IN

SHEET TITLE
FIRST FLOOR ELECTRICAL DEMOLITION

DATE
April 24, 2025

SHEET NUMBER
E-200
24179.00



FIRST FLOOR LIGHTING PLAN

1/8" = 1'-0"

GENERAL NOTES (LIGHTING):

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 DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C #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. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.

D. LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.

E. LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.

F. LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.

G. ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.

H. RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.

I. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

KEYNOTES:

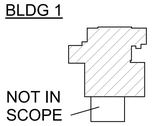
E7 EXISTING ELECTRICAL DEVICE REINSTALLED IN LOCATION INDICATED.

L1 ROUTE # OF #12 CONDUCTORS TO EXISTING LIGHTING CIRCUIT AS INDICATED. PROVIDE UNSWITCHED CONDUCTOR WHERE CONNECTING TO EXIT SIGN OR FIXTURE WITH BATTERY BACKUP.

L2 ROUTE NEW EXTERIOR LIGHT FIXTURES THROUGH EXISTING EXTERIOR LIGHTING CONTACTOR. EXPAND EXISTING EXTERIOR LIGHTING CONTACTOR AS REQUIRED.

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN
SCALE: NO SCALE

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BID DOCUMENTS 04/24/2025

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PROJECT TITLE
Harrison REMC - Addition & Renovation

OWNER
Corydon, IN

SHEET TITLE
FIRST FLOOR LIGHTING PLAN

DATE
April 24, 2025

SHEET NUMBER
E-300
24179.00

GENERAL 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 DERATE 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. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.

D. 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.

E. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.

F. 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.

KEYNOTES:

E1 COORDINATE ALL LOW-VOLTAGE ROUGH-INS WITH OWNER'S VENDOR PRIOR TO BID.

E2 ROUTE #12 CONDUCTORS AND A #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 25A/3P BREAKER IN EXISTING PANEL INDICATED.

E4 RELOCATED PANELS. CONTRACTOR SHALL REWORK EXISTING FEEDERS AND BRANCH CIRCUITS AS REQUIRED FOR RELOCATION. COORDINATE PHASING WITH THE OWNER. OUTAGES SHALL OCCUR DURING NIGHTS AND WEEKENDS TO MINIMIZE OPERATIONAL IMPACT.

E6 COORDINATE RELOCATION OF AIR COMPRESSOR WITH MECHANICAL CONTRACTOR.

E7 EXISTING ELECTRICAL DEVICE REINSTALLED IN LOCATION INDICATED.

E9 ROUTE #12 CONDUCTORS AND A #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/3P BREAKER IN EXISTING PANEL INDICATED.

E10 ROUTE #12 CONDUCTORS AND A #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/2P BREAKER IN EXISTING PANEL INDICATED.

E11 NEW FAN SWITCH TO BE CONNECTED TO EXISTING EXHAUST FAN. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.

P2 ROUTE # OF #12 CONDUCTORS AND A #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/1P BREAKER IN EXISTING PANEL INDICATED.

P3 CUT AND PATCH FLOOR FOR NEW RACEWAYS AS INDICATED.

P4 CUT AND PATCH FLOOR FOR NEW CONDUIT/RACEWAY FROM TV OUTLET LOCATION TO FURNITURE AS INDICATED TO SUPPORT A HARD-WIRED CONNECTION FOR A VIDEO CONFERENCE MICROPHONE. COORDINATE EXACT REQUIREMENTS WITH OWNER.

P5 ROUTE NEW ELECTRICAL DEVICES TO EXISTING ELECTRICAL CIRCUIT AS INDICATED. ROUTE # OF CONDUCTORS AS INDICATED.

P8 PROVIDE REPLACEMENT 225A/208/120V/3PH/4W/MLO PANELBOARD WITH 42 SPACES IN LOCATION INDICATED. FIELD VERIFY AND PROVIDE SAME BREAKERS FROM THE REPLACED PANELBOARD.

P11 ROUTE # OF #3 CONDUCTORS AND A #8 GROUND IN 1-1/4" CONDUIT TO NEW/SPARE 100A/3P BREAKER IN EXISTING PANEL INDICATED.

HARRISON REMC - RENOVATION

BLDG 1

NOT IN SCOPE

KEY PLAN
SCALE: NO SCALE

FIRST FLOOR POWER/SYSTEMS PLAN
1/8" = 1'-0"

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PROJECT TITLE
Harrison REMC - Addition & Renovation

OWNER
Corydon, IN

SHEET TITLE
FIRST FLOOR POWER/SYSTEMS PLAN

DATE
April 24, 2025

SHEET NUMBER
E-400
24179.00

KEYNOTES:

P9 PROVIDE #500KCMIL CONDUCTORS AND A #3 GROUND IN 4" CONDUIT TO OWNER'S METERING CABINET.

P10 PROVIDE #250KCMIL BARE COPPER GROUND TO SERVICE GROUNDING ELECTRODE. BOND TO GROUND AND NEUTRAL BAR AT SERVICE DISCONNECT.

GENERAL 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.

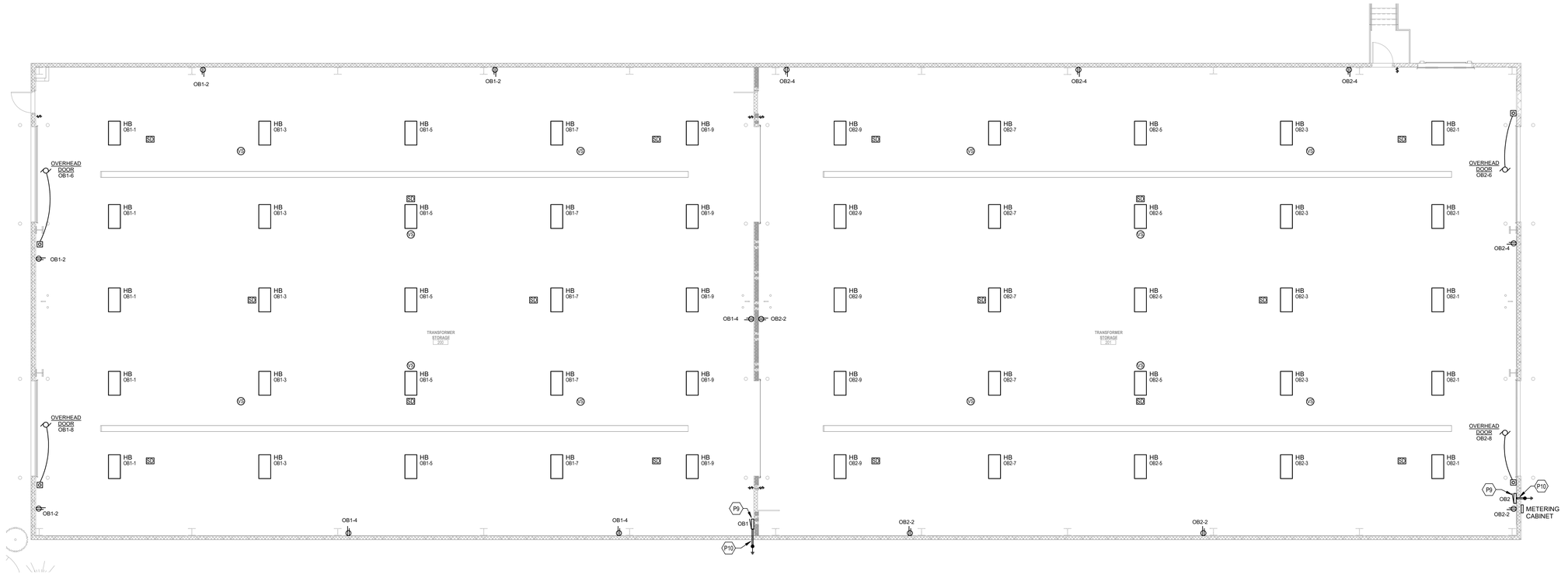
B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE 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. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.

D. 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.

E. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.

F. 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.

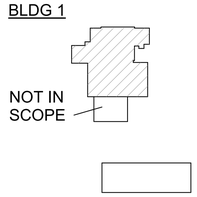


OVERALL ELECTRICAL PLAN - BLDG 2

1/8" = 1'-0"

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN

SCALE: NO SCALE

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BID DOCUMENTS 04/24/2025

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10411 Meeting Street | Louisville, KY 40059 | 502.326.3065 | cmta.com

PROJECT TITLE
Harrison REMC - Addition & Renovation

OWNER
Corydon, IN

SHEET TITLE
STORAGE OUTBUILDING OVERALL ELECTRICAL PLAN

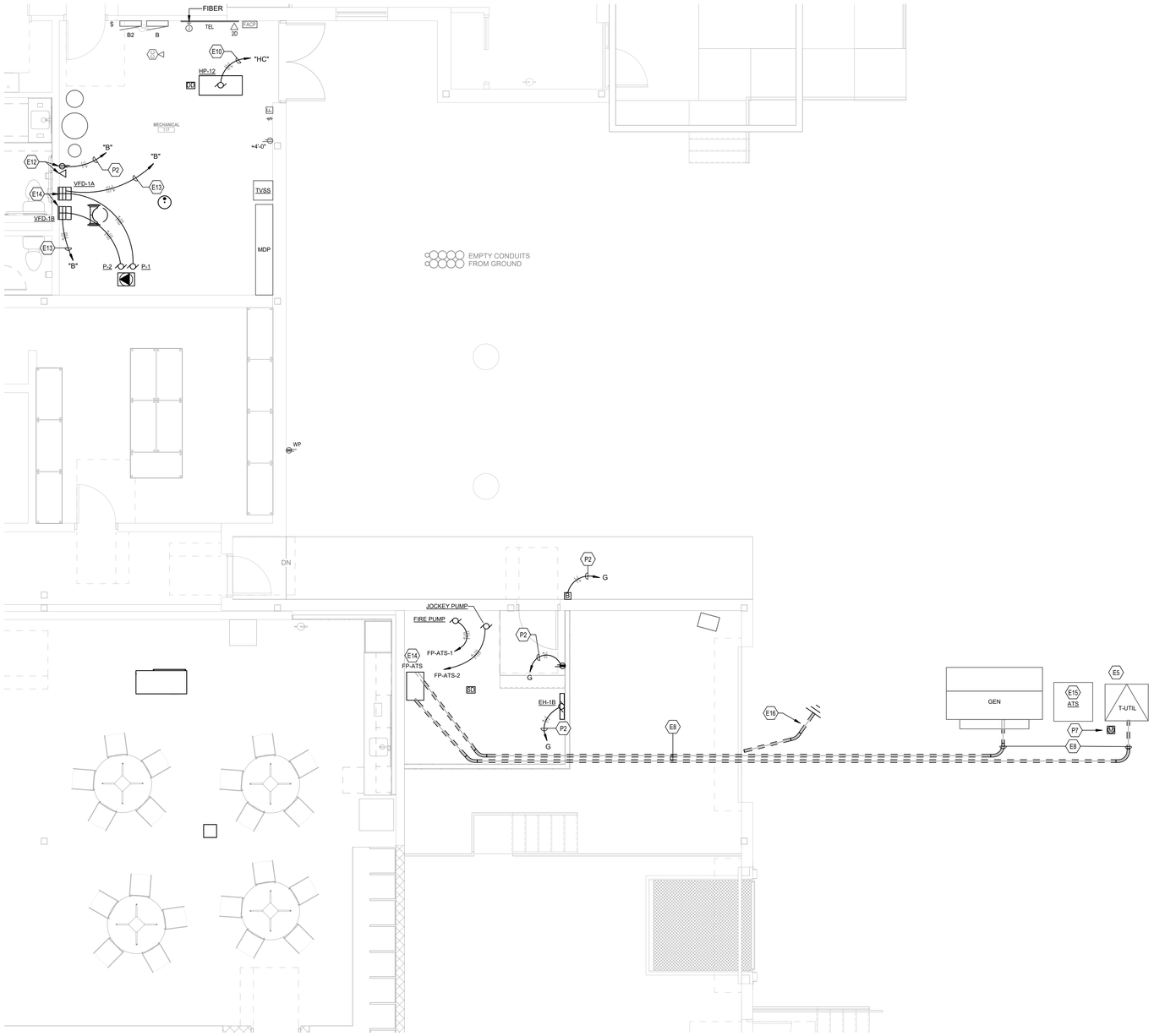
DATE
April 24, 2025

SHEET NUMBER
E-401

24179.00

BEFORE YOU DIG

THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONTACT "BUD (BEFORE YOU DIG)" AT 811 OR 1-800-752-6007 TO OBTAIN UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING ANY TYPE OF EXCAVATION ON THIS PROJECT SHALL CALL "BUD" TO OBTAIN AN AUTHORIZATION NUMBER.



ENLARGED MECH ROOM, MECH YARD, & GENERATOR PAD

1/4" = 1'-0"

GENERAL 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 DERATE 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. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.

D. 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.

E. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.

F. 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.

GENERAL NOTES (SITE):

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 PLAN(S), 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 DIAGRAMMATIC 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 UTILTY 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 TRANSITIONS TO ABOVE GRADE; EXTEND CONDUIT A MINIMUM OF 6" ABOVE GRADE.

J. CONTRACTOR SHALL CONTACT ENGINEER FOR INSPECTION OF TRENCHES PRIOR TO INSTALLATION OF CONDUITS OR RACEWAYS. PROVIDE PHOTOS UPON REQUEST.

K. 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.

KEYNOTES:

E5 CONTRACTOR SHALL REMOVE AND RE-INSTALL PAD MOUNTED UTILITY TRANSFORMER AS REQUIRED FOR INSTALLATION OF FIRE PUMP SERVICE FEEDER. CONTRACTOR SHALL CUT AND PATCH CONCRETE PAD AS REQUIRED FOR NEW RACEWAYS. FIELD VERIFY EXACT REQUIREMENTS.

E8 PROVIDE UNDERGROUND FIRE PUMP SERVICE CONNECTIONS PER POWER RISER AND DUCT BANK DETAILS. FIELD VERIFY BEST ROUTE AND HAND DIG WHERE REQUIRED TO AVOID EXISTING UNDERGROUND UTILITIES. REFER TO POWER RISER AND FEEDER SCHEDULE FOR SIZING REQUIREMENTS. PROVIDE (4) 1" CONDUITS IN TRENCH FOR CONTROL CONNECTIONS TO GENERATOR CONTROLLER.

E10 ROUTE #12 CONDUCTORS AND A #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/2P BREAKER IN EXISTING PANEL INDICATED.

E12 PROVIDE 120V POWER CONNECTION AND DATA CONNECTION TO HVAC CONTROLS IN SPACE INDICATED. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.

E13 ROUTE #10 CONDUCTORS AND A #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 30A/3P BREAKER IN EXISTING PANEL INDICATED.

E14 FIRE PUMP CONTROLLER PROVIDED BY FIRE PROTECTION CONTRACTOR WITH INTEGRAL DISCONNECT SWITCHES AND AUTOMATIC TRANSFER SWITCH. REFER TO POWER RISER FOR ADDITIONAL INFORMATION. COORDINATE ENTIRE ROOM LAYOUT AND REQUIREMENTS WITH FIRE PROTECTION CONTRACTOR PRIOR TO INSTALLATION.

E15 EXISTING SERVICE RATED PAD MOUNTED AUTOMATIC TRANSFER SWITCH TO REMAIN.

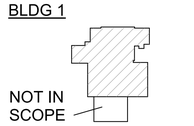
E16 PROVIDE SERVICE GROUNDING ELECTRODE FOR NORMAL POWER FIRE PUMP SERVICE ENTRANCE. REFER TO SERVICE GROUND DETAILS AND POWER RISER FOR FURTHER REQUIREMENTS. FIELD VERIFY EXACT INSTALLATION LOCATION.

P2 ROUTE # OF #12 CONDUCTORS AND A #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/1P BREAKER IN EXISTING PANEL INDICATED.

P7 PROVIDE CT CABLING RACEWAY FOR NEW FIRE PUMP SERVICE ENTRANCE TO EXISTING METER BASE. COORDIANTE EXACT REQUIREMENTS WITH UTILTY COMPANY/OWNER PRIOR TO ROUGH-IN.

HARRISON REMC - RENOVATION

BLDG 1



KEY PLAN

SCALE: NO SCALE

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BID DOCUMENTS 04/24/2025

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10411 Meeting Street | Louisville, KY 40059 | 502.326.3065 | cmta.com

PROJECT TITLE
Harrison REMC - Addition & Renovation

OWNER
Corydon, IN

SHEET TITLE
ENLARGED ELECTRICAL PLANS

DATE
April 24, 2025

SHEET NUMBER
E-500
24179.00

ELECTRICAL FEEDER SCHEDULE

EQUIPMENT NAME	FED FROM	VOLTAGE	RATING	SETS	PHASE SIZE	NEUTRAL SIZE	GROUND SIZE	CONDUIT SIZE
FP-ATS	GEN	208 V	200 A	1	3/0	3/0	4	2"
FP-ATS	T-UTIL	208 V	200 A	1	3/0		4	2"
OA-1	MDP	208 V	100 A	1	3	3	8	1-1/4"
T	MDP	208 V	225 A	1	4/0	4/0	4	2"

GENERAL NOTES (RISER):

A. PROVIDE ENGRAVED LAMACOID LABELS FOR ALL POWER DISTRIBUTION EQUIPMENT FURNISHED OR MODIFIED IN THIS PROJECT, LABELS PER DETAILS AND SPECIFICATIONS.

B. SERVICE EQUIPMENT SHALL BE MARKED WITH THE MAXIMUM AVAILABLE FAULT-CURRENT AT THE EQUIPMENT AND THE DATE THE CALCULATION WAS PERFORMED. APPLY A TYPE-WRITTEN ADHESIVE LABEL WITH WHITE BACKGROUND, 1/2" HIGH BLACK LETTERING.

C. CONTRACTOR SHALL INSTALL SEPARATE CONDUITS, PULL BOXES, ETC. FOR EACH EMERGENCY POWER BRANCH & NORMAL POWER PER NEC FOR COMPLETE SEPARATION OF POWER SERVICES.

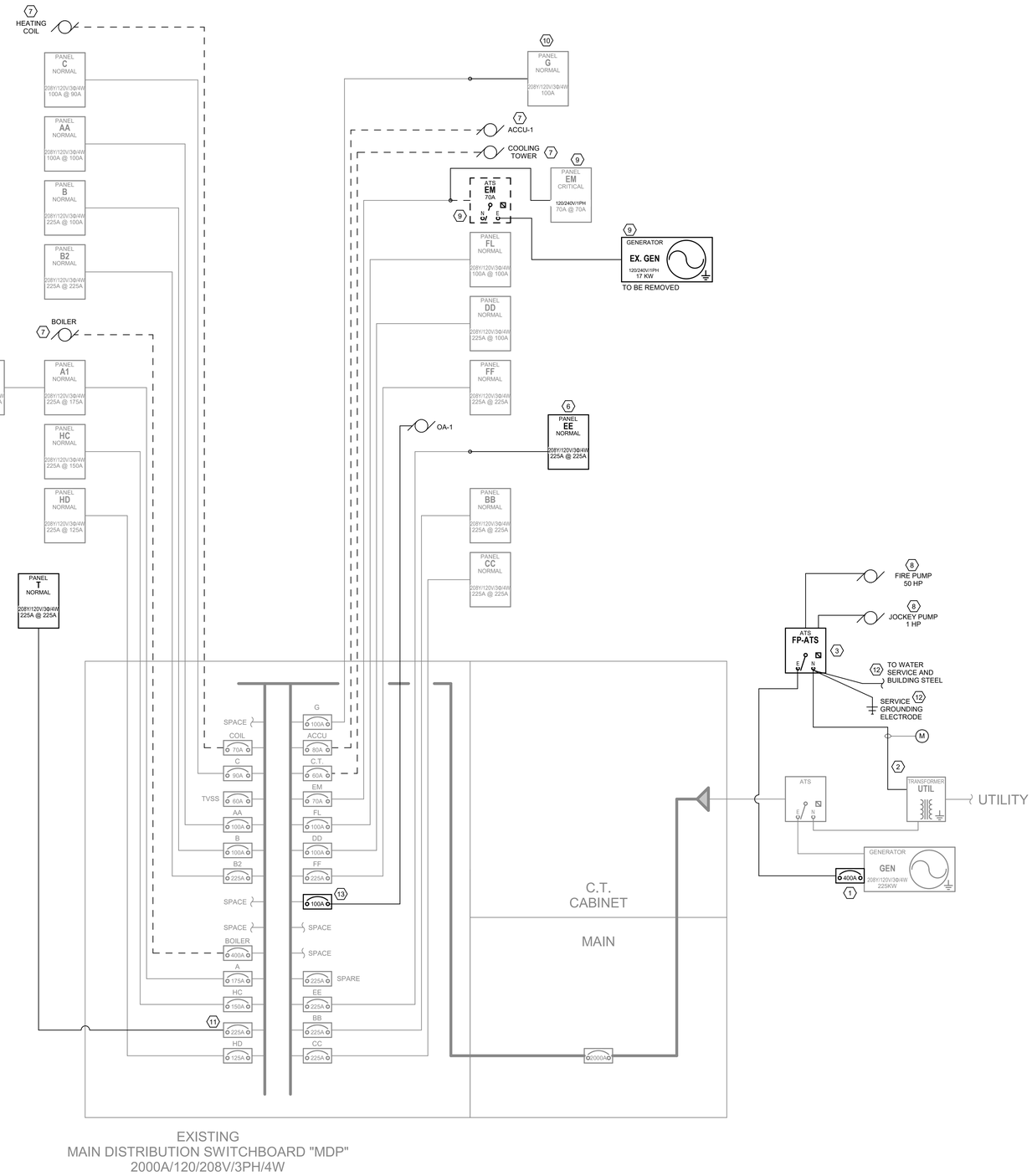
D. ALL CIRCUIT BREAKERS AND/OR DISCONNECTS SERVING THE PRIMARY SIDE OF A TRANSFORMER WHICH ARE NOT WITHIN SITE OF THE TRANSFORMER SHALL BE PROVIDED WITH PERMANENTLY INSTALLED MEANS TO LOCK THE BREAKER IN THE OFF POSITION. SUCH TRANSFORMERS SHALL HAVE THE ROOM NAME AND NUMBER OF THE PRIMARY DISCONNECTING MEANS ENGRAVED ON THE EQUIPMENT NAMEPLATE.

E. REFER TO SPECIFICATIONS FOR ARC FLASH AND RELATED POWER SYSTEM STUDY REQURIEMENTS.

F. ALL CONDUCTORS SHALL BE COPPER.

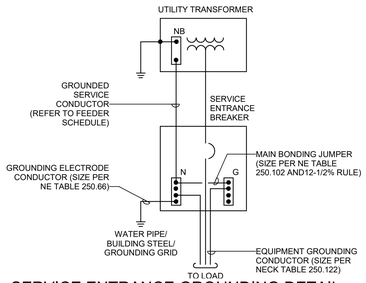
KEYNOTES:

1. CONTRACTOR SHALL MODIFY EXISTING GENERATOR DISTRIBUITON BUS TO ADD NEW BREAKER AS INDICATED FOR NEW FIRE PUMP. GENERATOR SHALL BE MODIFIED BY A CUMMINS CERTIFIED TECHNICIAN FOR A LIKE NEW INSTALLATION.
2. CONTRACTOR SHALL PROVIDE NEW FIRE PUMP SERVICE CONNECTION FROM UTILITY TRANSFORMER LUGS. REFER TO SITE AND FLOORPLANS FOR LOCATION AND INSTALLATION REQUIREMENTS.
3. FIRE PUMP ATS AND CONTROLLER TO BE PROVIDED BY FIRE PROTECTION CONTRACTOR. COORDINATE INSTALLATION REQUIREMENTS WITH GENERAL CONTRACTOR AND FIRE PROTECTION CONTRACTOR. SWITCH SHALL BE PROVIDED WITH INTEGRAL DISCONNECTS AND ATS COMPLYING WITH PART 995 OF NFPA 70. PROVIDE CONTROL CONNECTION TO GENERATOR CONTROLLER. FIRE PUMP LOAD ATS HAVE PRIORITY HIGHER THAN ATS FEEDING MAIN DISTRIBUTION SWITCHBOARD.
4. NOT USED.
5. NOT USED.
6. EXISTING PANEL SHALL BE RELOCATED AND REPLACED. EXTEND EXISTING FEEDER AND REMAINING BRANCH CIRCUITS TO NEW LOCATION. REFER TO FLOOR PLANS AND PANEL RELOCATION DETAIL FOR FURTHER REQUIREMENTS.
7. EXISTING EQUIPMENT INDICATED AND ALL ASSOCIATED WIRING, DISCONNECTS, CONTROLLERS AND RACEWAYS SHALL BE COMPLETELY REMOVED. CONTRACTOR SHALL RELABLE EXISTING BREAKERS AS SPARE. BREAKERS SHALL BE REMOVED WHERE REQUIRED FOR CONNECTION TO NEW DEVICES.
8. PROVIDE CONNECTION FROM FIRE PUMP CONTROLLER TO PUMPS AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH FIRE PROTECTION CONTRACTOR.
9. EXISTING SMALL GENERATOR AND ASSOCIATED TRANSFER SWITCH SHALL BE COMPLETELY REMOVED. CONTRACTOR SHALL PATCH AND REPAIR SURFACE WHERE GENERATOR IS REMOVED ON SITE. CONTRACTOR SHALL REMOVE ALL ABOVE GROUND RACEWAYS, FEEDERS, CONTROL CABLING AND OTHER ASSOCIATED EQUIPMENT. EXISTING PANEL SHALL BE RELOCATED AS REQUIRED FOR NEW FIRE PUMP ROOM. INTERCEPT AND EXTEND EXISTING FEEDER TO NEW LOCATION. FEEDER SHALL NOT PASS THROUGH ANY PORTION OF THE FIRE PUMP ROOM UPON COMPLETION.
10. EXISTING PANEL SHALL BE RELOCATED AND RE-INSTALLED. EXTEND EXISTING FEEDER AND BRANCH CIRCUITS TO NEW LOCATION. REFER TO FLOOR PLANS AND PANEL RELOCATION DETAIL FOR FURTHER REQUIREMENTS.
11. PROVIDE CONNECTION TO EXISTING SPARE BREAKER IN SWITCHBOARD AS INDICATED.
12. PROVIDE SERVICE GROUNDING ELECTRODE AND GROUNDING CONNECTIONS TO WATER SERVICE ENTRY AND BUILDING STEEL. PROVIDE #250 KCMIL COPPER CONNECTIONS.
13. PROVIDE NEW CIRCUIT BREAKER IN EXISTING SWITCHBOARD AS INDICATED. BREAKER SHALL MATCH EXISTING EQUIPMENT AIC RATINGS.
14. PROVIDE METER BASE AND RACEWAY FOR CT CABLING. COORDIANTE EXACT REQUIREMENTS WITH OWNER.



EXISTING
MAIN DISTRIBUTION SWITCHBOARD "MDP"
2000A/120/208V/3PH/4W

ELECTRICAL RISER DIAGRAM
SCALE: NONE



SERVICE ENTRANCE GROUNDING DETAIL
SCALE: NONE

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BID DOCUMENTS 04/24/2025

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PROJECT TITLE
Harrison REMC - Addition & Renovation

OWNER
Corydon, IN

SHEET TITLE
ELECTRICAL RISER DIAGRAM

DATE
April 24, 2025

SHEET NUMBER
E-600
24179.00

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	EQUAL MANUFACTURERS	MOUNTING	LAMPS / CCT	MINIMUM LUMENS	MAXIMUM WATTAGE	VOLTAGE	REMARKS
A2	2'x2' VOLUMETRIC LED TROFFER	LITHONIA #2VTS2-40L-ADP-EZ1-LP840	COOPER, WILLIAMS	RECESSED	LED / 40K	4139	33	120	
A2E	2'x2' VOLUMETRIC LED TROFFER WITH 1400 LUMEN BATTERY BACKUP	LITHONIA #2VTS2-40L-ADP-EZ1-LP840-EL14L	COOPER, WILLIAMS	RECESSED	LED / 40K	4139	33	120	
B2	2'x2' FLAT PANEL LED TROFFER	LITHONIA #CPX-2X2-3200LM-40K-M4	COOPER, WILLIAMS	RECESSED	LED / 40K	3659	32	120	
C14	1'x4' SURFACE MOUNT LED FIXTURE WITH BATTERY BACKUP	LITHONIA #BLWP4-40L-ADP-120-EZ1-LP840-EL14L	COOPER, WILLIAMS	SURFACE	LED / 40K	4236	35	120	
D	6" ROUND RECESSED LED FIXTURE	LITHONIA #LDN6-40/25-L06-AR-LSS-TRW-120-EZ1	COOPER, WILLIAMS	RECESSED	LED / 40K	2504	28	120	
DE	6" ROUND RECESSED LED FIXTURE	LITHONIA #LDN6-40/25-L06-AR-LSS-TRW-120-EZ1-EL	COOPER, WILLIAMS	RECESSED	LED / 40K	2504	28	120	
H	4' SUSPENDED LED STRIP FIXTURE	LITHONIA #ZL1D-L48-ASR-3000LM-FST-MVOLT-40K-80CRI	COOPER, WILLIAMS	SUSPENDED	LED / 40K	3880	25	120	
HB	4' SUSPENDED HIGH BAY LED FIXTURE	LITHONIA #IBG-12000LM-SEF-AFL-GND-MVOLT-40K-80CRI	COOPER, WILLIAMS	SUSPENDED	LED / 40K	11856	77	120	MOUNT AT 25'-0" AFF.
HE	4' SUSPENDED LED STRIP FIXTURE WITH BATTERY BACKUP	LITHONIA #ZL1D-L48-ASR-3000LM-FST-MVOLT-40K-80CRI-E10W	COOPER, WILLIAMS	SUSPENDED	LED / 40K	3880	25	120	
OLA	EXTERIOR WALL MOUNT LED FIXTURE WITH DIE-CAST ALUMINUM HOUSING, BOROSILICATE GLASS LENS WITH ADJUSTABLE LUMEN OUTPUT AND SWITCHABLE COLOR TEMPERATURE	LITHONIA #TWR1-LED-ALO-SWW2-UVOLT-PE-DDBT-XD	COOPER, WILLIAMS	WALL	LED / 40K	8581	59	120	
PL	INDIRECT/DIRECT SUSPENDED LINEAR LED FIXTURE	PEERLESS #PRM4ID-LLP-XXFT-80CRI-40K-I300LMF-500LMF-MIN1-ZT-120-SCT-F2--OJB-SLP	FINELITE "HP-4"	SUSPENDED	LED / 40K	311/FT INDIRECT, 520/FT DIRECT	162	120	PROVIDE LENGTH AS INDICATED ON PLANS. COORDINATE TRIM WITH ARCHITECT PRIOR TO ORDERING.
PLE	INDIRECT/DIRECT SUSPENDED LINEAR LED FIXTURE WITH BATTERY BACKUP	PEERLESS #PRM4ID-LLP-XXFT-80CRI-40K-I300LMF-500LMF-MDLS-MIN1-ZT-120-SCT-EC-F2--OJB-SLP	FINELITE "HP-4"	SUSPENDED	LED / 40K	311/FT INDIRECT, 520/FT DIRECT	162	120	PROVIDE LENGTH AS INDICATED ON PLANS. COORDINATE TRIM WITH ARCHITECT PRIOR TO ORDERING.
X1	UNIVERSAL MOUNT EXIT SIGN WITH INTEGRAL BATTERY	LITHONIA #LQC-W-R-ELN		UNIVERSAL	LED		2	120	
X2	DOUBLE SIDED UNIVERSAL MOUNT EXIT SIGN WITH INTEGRAL BATTERY	LITHONIA #LQC-W-R-ELN		UNIVERSAL	LED		2	120	

GENERAL NOTES (LUMINAIRE SCHEDULE):

A. ALL LUMINAIRES AND COMPONENTS SHALL BE UL LISTED.

B. WHERE LUMINAIRES ARE SHOWN SPLIT-WIRED (HALF EMERGENCY POWER/ HALF NORMAL POWER) ON FLOOR PLANS, LUMINAIRES SHALL BE PROVIDED WITH MULTIPLE ELECTRONIC BALLASTS FOR MULTIPLE POWER CIRCUITS AS INDICATED ON FLOOR PLANS.

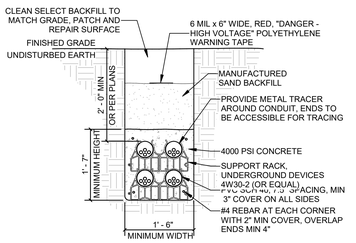
C. PROVIDE BALLASTS FOR FIXTURE LAMP SWITCHING AS INDICATED ON LIGHTING FLOOR PLANS. WHERE A SINGLE FIXTURE IS POWERED FROM NORMAL AND EMERGENCY POWER, HALF OF THE LAMPS WITH A MINIMUM OF TWO LAMPS SHALL BE ON EMERGENCY POWER.

D. CONTRACTOR SHALL FOCUS, AIM AND ADJUST LUMINAIRES UNDER THE SUPERVISION AND DIRECTION OF THE ENGINEER AND ARCHITECT. ALLOW LABOR FOR FINAL FOCUS AND ADJUSTMENTS AFTER DARK. LIFTS AND SCAFFOLDING SHALL BE AVAILABLE.

E. ALL LAY-IN FIXTURES SHALL BE PROVIDED WITH SCREW ON HOLD DOWN CLIPS AND MAXIMUM 6'-0" LONG FLEXIBLE CONDUIT WHIPS.

F. EXIT SIGNS AND FIXTURES THAT ARE HATCHED OR WHERE THE FIXTURE TYPE CONTAINS THE SUFFIX "E" FOR EMERGENCY OPERATION SHALL HAVE AN INTEGRAL 90 MINUTE BATTERY INVERTER IF NOT POWERED FROM AN EMERGENCY GENERATOR.

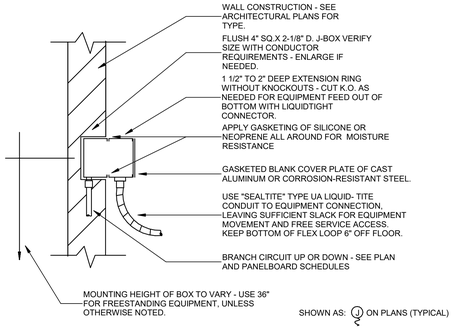
G. ALL BATTERY POWERED FIXTURES SHALL HAVE TEST SWITCHES FACTORY INSTALLED INTEGRAL TO THE REFLECTOR, REMOTE TEST SWITCHES WILL NOT BE ACCEPTED.



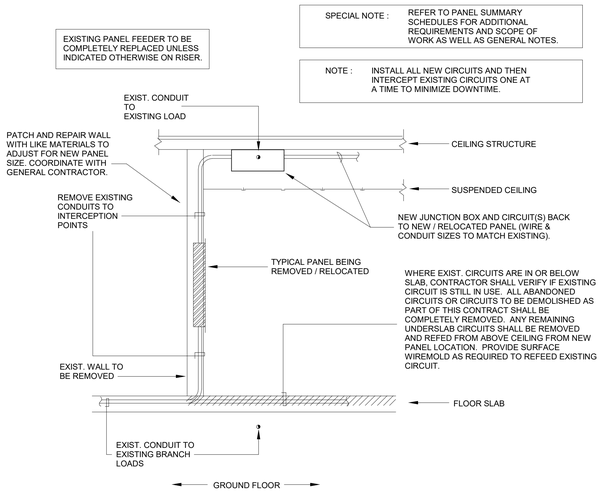
DUCT BANK NOTES:
A. USE RIGID STEEL SWEEPING ELBOWS AT ALL TURNS, WHERE RISING ON UTILITY POWER POLE, TURNING UP INTO PAD MOUNTED UTILITY TRANSFORMER AND TURNING UP INTO BUILDING.
B. REFER TO POWER RISER, FLOOR PLANS AND PLAN NOTES FOR EXACT QUANTITY AND SIZE OF CONDUITS.
C. COMMUNICATIONS/FIBER RACEWAYS SHALL BE ROUTED IN DUCT BANK ENCASED CONSTRUCTION, CONSTRUCTED SAME AS SHOWN, EXCEPT FOR NUMBER AND SIZE OF CONDUIT.
D. POUR CONCRETE AGAINST UNDISTURBED EARTH.
E. REFER TO SPECIFICATIONS FOR EXCAVATION, TRENCHING, BACKFILLING AND GRADING REQUIREMENTS. REFER TO EARTHWORK SPECIFICATIONS FOR GENERAL ROCK REMOVAL AND EARTHWORK REQUIREMENTS.

DUCT BANK 4C
SCALE: NONE

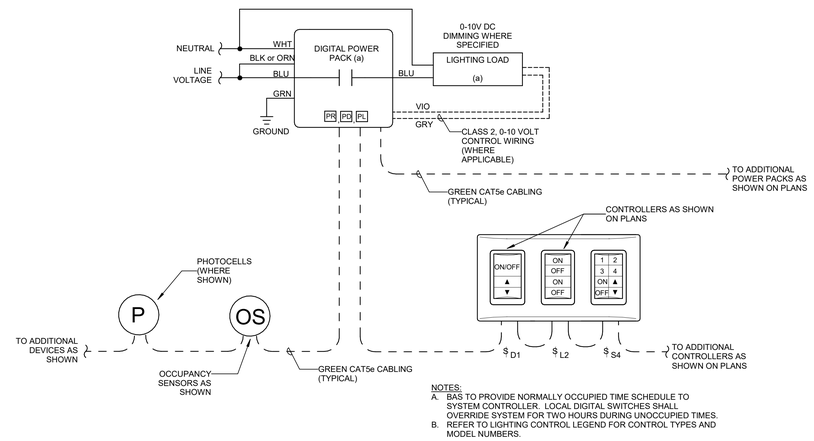
TELEVISION OUTLET INSTALLATION DETAIL
SCALE: NONE



TYPICAL HARD-WIRED CONNECTION
SCALE: NONE

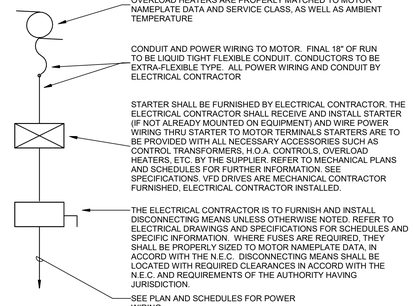


PANEL REMOVAL / RELOCATION DETAIL
SCALE: NONE



NOTES:
A. BAS TO PROVIDE NORMALLY OCCUPIED TIME SCHEDULE TO SYSTEM CONTROLLER. LOCAL DIGITAL SWITCHES SHALL OVERRIDE SYSTEM FOR TWO HOURS DURING UNOCCUPIED TIMES.
B. REFER TO LIGHTING CONTROL LEGEND FOR CONTROL TYPES AND MODEL NUMBERS.

LIGHTING CONTROL WIRING (nLIGHT)
SCALE: NONE



TYPICAL MOTOR/STARTER INSTALLATION
SCALE: NONE

LIGHTING CONTROL LEGEND

WALL SWITCH SENSOR, STAND ALONE, DUAL TECHNOLOGY, SINGLE POLE	SENSOR SWITCH: WSX PDT — $_{VS}$, $_{OS}$
WALL SWITCH SENSOR, STAND ALONE, DUAL TECHNOLOGY, 0-10V DIMMING	SENSOR SWITCH: WSX PDT D — $_{VSD}$, $_{OSD}$
DIGITAL WALL SWITCH, ON/OFF, SINGLE ZONE	SENSOR SWITCH: nPODM — $
DIGITAL WALL SWITCH, DIMMING, SINGLE ZONE	SENSOR SWITCH: nPODM DX — $_{D1}
WALL SWITCH, 277V, STAND ALONE 0-10V DIMMER, SLIDER WITH ON/OFF BUTTON	LEVITON: IPX06-7L — $_{D}
CEILING SENSOR, DUAL TECHNOLOGY, RECESSED	SENSOR SWITCH: nRM PDT 9 — (VS) (OS)

NOTES:
A. OS - OCCUPANCY SENSORS TO BE PROGRAMMED AS AUTOMATIC ON, AUTOMATIC OFF.
B. VS - VACANCY SENSORS TO BE PROGRAMMED AS MANUAL ON, AUTOMATIC OFF.
C. OR EQUAL BY SENSOR SWITCH.
D. SENSOR AUTOMATIC OFF TIME INTERVAL TO BE SET AT 20 MIN.
E. ADJUST SENSOR LOCATION AND SENSITIVITY LEVELS TO MINIMIZE NUISANCE TRIPPING AND FALSE OFFS.
F. ALL DEVICES TO BE LOCATED IN ACCESSIBLE LOCATIONS APPROVED BY ENGINEER.
G. REFER TO SPECIFICATIONS FOR DEVICE FINISHES.

LIGHTING CONTROL LEGEND (nLIGHT)
SCALE: NONE

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ROBERT A. HAAS REGISTERED NO. 10707744 STATE OF INDIANA PROFESSIONAL ENGINEER

BID DOCUMENTS 04/24/2025

CMTA
A LEGENCE Company
10411 Meeting Street | Louisville, KY 40059 | 502.326.3065 | cmta.com

PROJECT TITLE
Harrison REMC - Addition & Renovation

OWNER
Corydon, IN

DATE
April 24, 2025

SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
E-700
24179.00

PANELBOARD AND WIRING SCHEDULE

PANEL: A1 — **MAINS TYPE:** EXISTING — **SCCR (kA):** EXISTING
VOLTAGE: 208Y/120V,3P,4W — **SPD:** — **AVAIL FAULT CURRENT (kA):**
AMPERES: 225 A — **MOUNTING:** FLUSH — **SUPPLY FROM:**

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
LTNG - 100/101/ 101A/104/105	12	12	3/4"	20	1	1	1.0	1.0		2	1	20	3/4"	12	12	UCF - EMPLYE LNGE 110
LTNG - SERVICES 102	12	12	3/4"	20	1	3		0.9	1.2	4	1	20	3/4"	12	12	REC - EMPLYE LNGE 110
LTNG - LINEMAN LOUNGE 133	12	12	3/4"	20	1	5			1.1	6	1	20	3/4"	12	12	DISHWAASHER - LOUNGE 110
LTNG CONFERENCE ROOM 2-1...	12	12	3/4"	20	1	7	0.9	1.0		8	1	20	3/4"	12	12	COFFEE - EMPLYE LNGE 110
LTNG CEO OFFICE 127	12	12	3/4"	20	1	9		0.9	1.0	10	1	20	3/4"	12	12	FRIDGE - EMPLYE LNGE 110
LTNG STORAGE 128	12	12	3/4"	20	1	11			0.7	12	1	20	3/4"	12	12	REC - EMPLYE LNGE 110
REC - MANAGER 102A	12	12	3/4"	20	1	13	0.7	0.8		14						
REC - ADVISOR 102B	12	12	3/4"	20	1	15		1.1	0.8	16	2	20	3/4"	12	12	EQUIP
REC - MEMBER SERVICES 102	12	12	3/4"	20	1	17			0.7	18	1	20	3/4"	12	12	EQUIP
COPIER - MEMBER SERVICES 102	12	12	3/4"	20	1	19	0.4	1.1		20	1	20	3/4"	12	12	REC - FLD SERV. 111
REC - MEMBER SERVICES 102	12	12	3/4"	20	1	21		1.2	1.1	22	1	20	3/4"	12	12	REC - FLD SERV. 111
REC - MANAGER 103	12	12	3/4"	20	1	23			0.7	24	1	20	3/4"	12	12	REC - EMPLYE LNGE 110
LTNG Room 129A, 116, 115-1	12	12	3/4"	20	1	25	0.5	1.1		26	1	20	3/4"	12	12	MEMBER 102 DESKS
LTNG Room 001	12	12	3/4"	20	1	27		0.5	1.1	28	1	20	3/4"	12	12	MEMBER 102 DESKS
EXISTING	--	--	--	20	1	29			0.0	30	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	31	0.0	0.0		32	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	33		0.0	0.0	34	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	35			0.0	36	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	37	0.0	0.0		38	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	39		0.0	0.0	40	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	41			0.0	42	1	20	--	--	--	EXISTING
							TOTAL LOAD (kVA):	8.5 kVA	9.7 kVA	6.1 kVA						
							TOTAL CURRENT (A):	74 A	84 A	51 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
EQUIP	4760 VA	100.00%	4760 VA	**TOTAL CONNECTED LOAD:** 24 kVA
LTNG	6522 VA	100.00%	6522 VA	**TOTAL ESTIMATED DEMAND:** 23 kVA
REC	13000 VA	88.46%	11500 VA	**TOTAL CONNECTED CURRENT:** 67 A
				TOTAL ESTIMATED DEMAND CURRENT: 63 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
EXISTING PANELBOARD.

PANELBOARD AND WIRING SCHEDULE

PANEL: A2 — **MAINS TYPE:** EXISTING — **SCCR (kA):** EXISTING
VOLTAGE: 208Y/120V,3P,4W — **SPD:** — **AVAIL FAULT CURRENT (kA):**
AMPERES: 225 A — **MOUNTING:** FLUSH — **SUPPLY FROM:**

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
REC - LOBBY 101	12	12	3/4"	20	1	1	1.3	1.0		2	1	20	3/4"	12	12	UCF - CONFERENCE 118
REC - SERVICE ORDERS 104	12	12	3/4"	20	1	3		1.3	0.4	4	1	20	3/4"	12	12	REC - CONF. RM. 118
REC - CONFERENCE 105	12	12	3/4"	20	1	5			1.2 0.7	6	1	20	3/4"	12	12	REC - CONF. RM. 118
REC - LOBBY 101	12	12	3/4"	20	1	7	0.5	1.0		8	1	20	3/4"	12	12	CONFER. 118 TV & FURNITURE
EQUIP VESTIBULE 100	12	12	3/4"	20	1	9		0.5	0.0	10	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	11			0.0 0.0	12	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	13	0.0	0.0		14	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	15			0.0 0.0	16	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	17			0.0 0.0	18	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	19	0.0	0.0		20	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	21		0.0	0.0	22	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	23			0.0 0.0	24	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	25	0.0	0.0		26	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	27			0.0 0.0	28	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	29		0.0	0.0	30	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	31	0.0	0.0		32	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	33			0.0 0.0	34	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	35			0.0 0.0	36	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	37	0.0	0.0		38	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	39		0.0	0.0	40	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	41			0.0 0.0	42	1	20	--	--	--	EXISTING
							TOTAL LOAD (kVA):	3.8 kVA	2.1 kVA 1.9 kVA							
							TOTAL CURRENT (A):	32 A	18 A 16 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
EQUIP	1700 VA	100.00%	1700 VA	**TOTAL CONNECTED LOAD:** 8 kVA
REC	6180 VA	100.00%	6180 VA	**TOTAL ESTIMATED DEMAND:** 8 kVA
				TOTAL CONNECTED CURRENT: 22 A
				TOTAL ESTIMATED DEMAND CURRENT: 22 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
EXISTING PANELBOARD.

PANELBOARD AND WIRING SCHEDULE

PANEL: B — **MAINS TYPE:** EXISTING — **SCCR (kA):** EXISTING
VOLTAGE: 208Y/120V,3P,4W — **SPD:** — **AVAIL FAULT CURRENT (kA):**
AMPERES: 225 A — **MOUNTING:** SURFACE — **SUPPLY FROM:**

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
REC - OFFICE 121	12	12	3/4"	20	1	1	0.7	0.9		2	1	20	3/4"	12	12	REC - OFFICE 121
REC - OFFICE 119	12	12	3/4"	20	1	3		0.9	0.7	4	1	20	3/4"	12	12	REC - I.T. OFFICE 120
REC - ACCOUNTANT 124	12	12	3/4"	20	1	5			0.7 0.5	6	1	20	3/4"	12	12	REC - COPIER ROOM 123
COPIER - COPIER RM 123	12	12	3/4"	20	1	7	1.0	0.9		8	1	20	3/4"	12	12	REC - ACCOUNTING 126
REC - ACCOUNTING 126	12	12	3/4"	20	1	9		0.7	0.2	10	1	20	3/4"	12	12	PRINTER - ACCOUNTING 126
						11			0.2 0.3	12						
EQUIP OFFICE 125	12	12	3/4"	20	3	13	0.2	0.3		14	2	20	3/4"	12	12	EQUIP CONFERENCE ROOM 2-1 118-1
						15		0.2	0.3	16						
						17			0.2 0.3	18						
EQUIP COPIER ROOM 123	12	12	3/4"	20	3	19	0.2	0.2		20	2	20	3/4"	12	12	EQUIP OFFICE 119
						21		0.2	0.2	22						
EQUIP OFFICE 121	12	12	3/4"	20	2	23			0.3 0.2	24	3	20	3/4"	12	12	EQUIP CORR. 001
						25	0.3	0.0		26						
EXISTING	--	--	--	20	1	27		0.0	0.0	28	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	29			0.0 0.0	30	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	31	0.0	0.0		32	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	33			0.0 0.0	34	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	35		0.0	0.0	36	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	37	0.0	0.0		38	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	39		0.0	0.0	40	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	41			0.0 0.0	42	1	20	--	--	--	EXISTING
							TOTAL LOAD (kVA):	4.5 kVA	3.3 kVA	2.5 kVA						
							TOTAL CURRENT (A):	39 A	28 A	21 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
EQUIP	3000 VA	100.00%	3000 VA	**TOTAL CONNECTED LOAD:** 10 kVA
REC	7300 VA	100.00%	7300 VA	**TOTAL ESTIMATED DEMAND:** 10 kVA
				TOTAL CONNECTED CURRENT: 29 A
				TOTAL ESTIMATED DEMAND CURRENT: 29 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
EXISTING PANELBOARD.

PANELBOARD AND WIRING SCHEDULE

PANEL: B2 — **MAINS TYPE:** EXISTING — **SCCR (kA):** EXISTING
VOLTAGE: 208Y/120V,3P,4W — **SPD:** — **AVAIL FAULT CURRENT (kA):**
AMPERES: 225 A — **MOUNTING:** SURFACE — **SUPPLY FROM:**

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
REC ENGINEERING-1 114-1	12	12	3/4"	20	1	1	0.9	0.9		2	1	20	3/4"	12	12	REC - PURCHASING 134
REC - COPIER ENGR 114	12	12	3/4"	20	1	3		1.0	1.6	4	1	20	3/4"	12	12	REC -LL 133
REC - COFFEE 122	12	12	3/4"	20	1	5			0.9 1.0	6	1	20	3/4"	12	12	FRIDGE - LLL 133
UCF - COFFEE 122	12	12	3/4"	20	1	7	1.0	1.0		8	1	20	3/4"	12	12	DISHAWHER - LLL 133
REC - OFFICE 125	12	12	3/4"	20	1	9		0.7	1.0	10	1	20	3/4"	12	12	MICROWAVE - LLL 133
REC - WHIMAN 135	12	12	3/4"	20	1	11			1.1 1.0	12	1	20	3/4"	12	12	MICROWAVE - LLL 133
REC - ENGINEERING 114 DESK	12	12	3/4"	20	1	13	0.7	1.0		14	1	20	3/4"	12	12	HAND DRYER - MENS LOCKER 130
REC - ENGINEERING 114 DESK	12	12	3/4"	20	1	15		0.7	0.5	16	1	20	3/4"	12	12	PRINTER - PURCHASING 134
REC	12	12	3/4"	20	1	17			1.0 0.0	18	1	20	--	--	--	EXISTING
COFFEE - COFFEE 122	12	12	3/4"	20	1	19	1.0	0.0		20	1	20	--	--	--	EXISTING
COFFEE - COFFEE 122	12	12	3/4"	20	1	21		1.0	0.0	22	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	23			0.0 0.0	24	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	25	0.0	0.0		26	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	27		0.0	0.0	28	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	29			0.0 0.0	30	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	31	0.0	0.0		32	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	33		0.0	0.0	34	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	35			0.0 0.0	36	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	37	0.0	0.0		38	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	39		0.0	0.0	40	1	20	--	--	--	EXISTING
EXISTING	--	--	--	20	1	41			0.0 0.0	42	1	20	--	--	--	EXISTING
							TOTAL LOAD (kVA):	6.5 kVA	6.5 kVA	5.0 kVA						
							TOTAL CURRENT (A):	56 A	56 A	42 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
EQUIP	2640 VA	100.00%	2640 VA	**TOTAL CONNECTED LOAD:** 18 kVA
REC	15400 VA	82.47%	12700 VA	**TOTAL ESTIMATED DEMAND:** 15 kVA
				TOTAL CONNECTED CURRENT: 50 A
				TOTAL ESTIMATED DEMAND CURRENT: 43 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
EXISTING PANELBOARD.

PANELBOARD AND WIRING SCHEDULE

PANEL: T — **MAINS TYPE:** MLO — **SCCR (kA):** 22,000
VOLTAGE: 208Y/120V,3P,4W — **SPD:** Yes — **AVAIL FAULT CURRENT (kA):**
AMPERES: 225 A — **MOUNTING:** FLUSH — **SUPPLY FROM:** MDP

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
LTNG - MULTIPURPOSE 140	12	12	3/4"	20	1	1	1.1	0.3		2						
LTNG - VEST. 139 & STORAGE 141	12	12	3/4"	20	1	3		0.3	0.3	4	2	50	3/4"	10	8	EV CHARGER
LTNG - ADDITION EXTERIOR	12	12	3/4"	20	1	5			0.3 0.3	6						
REC - STORAGE 141	12	12	3/4"	20	1	7	0.7	0.3		8	2	50	3/4"	10	8	EV CHARGER
REC - MULTIPURPOSE 140	12	12	3/4"	20	1	9		0.7	1.8	10						
REC - MULTIPURPOSE 140	12	12	3/4"	20	1	11			0.7 1.8	12	3	25	3/4"	12	12	HP-42
A/V CABINET - MULTIPURPOSE 140	12	12	3/4"	20	1	13	0.4	1.8		14						
REC - VESTIBULE 139	12	12	3/4"	20	1	15		0.9	1.8	16						
FB-A - MULTIPURPOSE 140	12	12	3/4"	20	1	17			0.4 1.8	18	3	25	3/4"	12	12	HP-42
REC - LED DISPLAY	12	12	3/4"	20	1	19	1.7	1.8		20						
OA-2	12	12	3/4"	25	1	21		0.5	0.0	22	1	20	--	--	--	SPARE
UC FRIG - MULTIPURPOSE 140	12	12	3/4"	20	1	23			1.0 0.0	24	1	20	--	--	--	SPARE
COFFEE - MULTIPURPOSE 140	12	12	3/4"	20	1	25	0.2	0.0		26	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	27		0.0	0.0	28	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	29			0.0 0.0	30	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	31	0.0	0.0		32	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	33			0.0 0.0	34	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	35			0.0 0.0	36	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	37	0.0	0.0		38	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	39		0.0	0.0	40	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	41			0.0 0.0	42	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	43	0.0	0.0		44	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	45		0.0	0.0	46	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	47			0.0 0.0	48	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	49	0.0	0.0		50	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	51		0.0	0.0	52	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	53			0.0 0.0	54	1	20	--	--	--	SPARE
							TOTAL LOAD (kVA):	8.2 kVA	6.3 kVA	6.2 kVA						
							TOTAL CURRENT (A):	69 A	52 A	52 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
EQUIP	12452 VA	100.00%	12452 VA	**TOTAL CONNECTED LOAD:** 21 kVA
LTNG	1648 VA	100.00%	1648 VA	**TOTAL ESTIMATED DEMAND:** 21 kVA
REC	6660 VA	100.00%	6660 VA	**TOTAL CONNECTED CURRENT:** 58 A
				TOTAL ESTIMATED DEMAND CURRENT: 58 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
NEW PANELBOARD.

PANELBOARD AND WIRING SCHEDULE

PANEL: EE — **MAINS TYPE:** MLO — **SCCR (kA):** 22,000
VOLTAGE: 208Y/120V,3P,4W — **SPD:** — **AVAIL FAULT CURRENT (kA):**
AMPERES: 225 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** MDP

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1				2						
						3				4						
						5				6						
						7				8						
						9				10						
						11				12						
						13				14						
						15				16						
						17				18						
						19				20						
						21				22						
						23				24						
						25				26						
						27				28						
						29				30						
						31				32						
						33				34						
						35				36						
						37				38						
						39				40						
						41				42						
							TOTAL LOAD (kVA):	0.0 kVA	0.0 kVA	0.0 kVA						
							TOTAL CURRENT (A):	0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 kVA
				TOTAL ESTIMATED DEMAND: 0 kVA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
NEW REPLACEMENT PANELBOARD

PANELBOARD AND WIRING SCHEDULE

PANEL: HC — **MAINS TYPE:** EXISTING — **SCCR (kA):** EXISTING
VOLTAGE: 208Y/120V,3P,4W — **SPD:** — **AVAIL FAULT CURRENT (kA):**
AMPERES: 225 A — **MOUNTING:** FLUSH — **SUPPLY FROM:**

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
						1	0.2	0.3		2						
EQUIP LOBBY-1 101-1				20	3	3			0.2 0.3	4	2	20				EQUIP COMMUNICATIONS MANAGER 102B
						5			0.2 0.2	6						
						7	0.2	0.2		8						
EQUIP MEMBER SERVICES-1 102-1				20	3	9		0.2	0.2	10	3	20				EQUIP EMPLOYEE LOUNGE-1 110-1
						11			0.2 0.2	12						
						13	0.2	0.2		14						
EQUIP MEMBER SERVICES-1 102-1				20	3	15		0.2	0.2	16	3	20				EQUIP FIELD SERVICES 111
						17			0.2 0.2	18						
						19	0.2	0.2		20						
EQUIP STORAGE 106				20	3	21		0.2	0.2	22	3	20				EQUIP DISPATCH 129
						23			0.2 0.2	24						
						25	0.3	0.2		26						
EQUIP WAREHOUSEMAN 135				20	2	27		0.3	0.2	28	3	20				EQUIP CORR. 001
						29			0.3 0.2	30						
EQUIP MECHANICAL 117				20	2	31	0.3	0.2		32	3	20				EQUIP LINEMAN LOUNGE/ LOCKERS-1 133-1
						33		0.3	0.2	34						
EQUIP METER ROOM 131				20	2	35			0.3 0.0	36	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	37	0.0	0.0		38	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	39		0.0	0.0	40	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	41			0.0 0.0	42	1	20	--	--	--	SPARE
							TOTAL LOAD (kVA):	2.3 kVA	2.3 kVA	2.0 kVA						
							TOTAL CURRENT (A):	19 A	19 A	17 A						

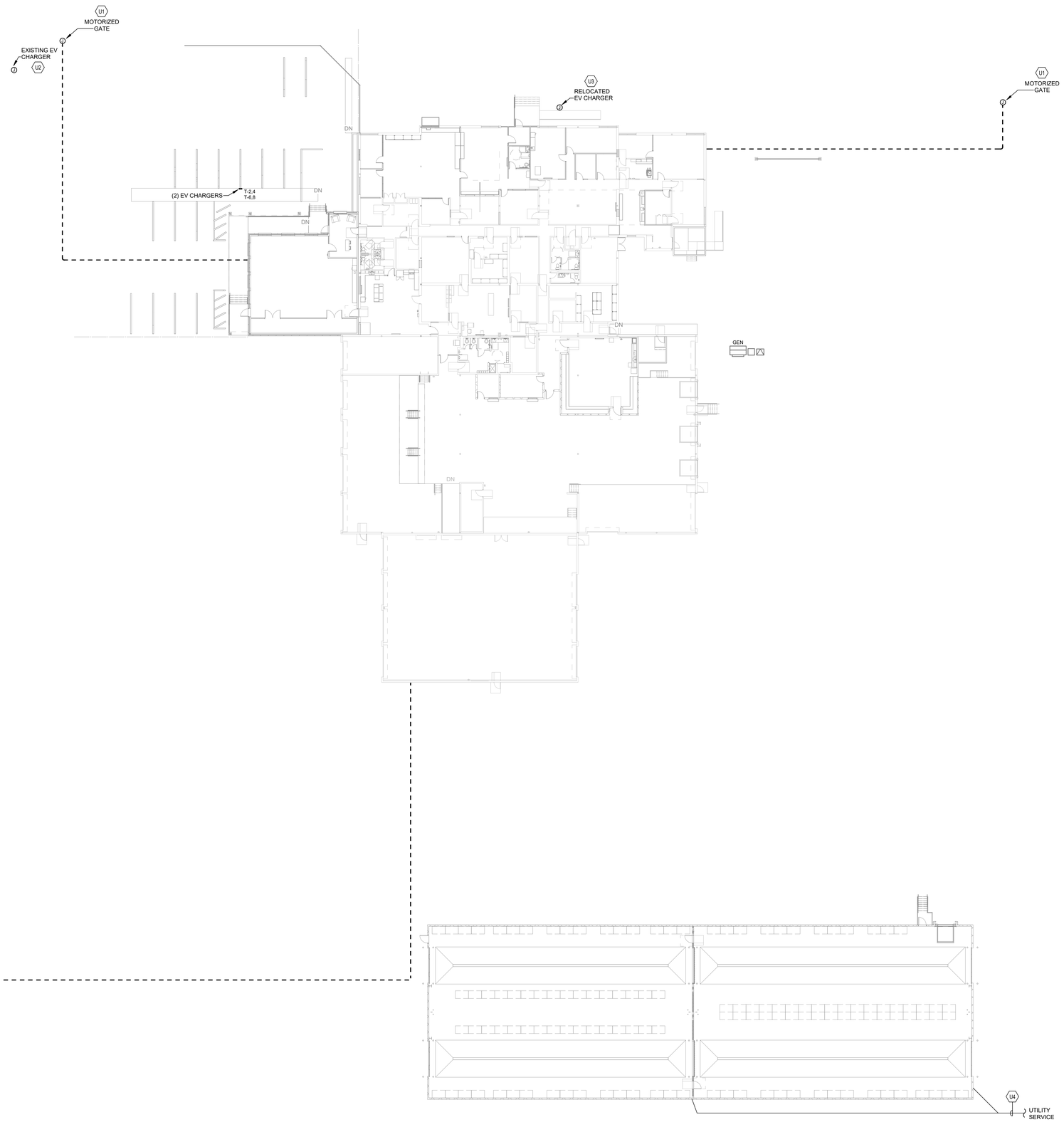
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
EQUIP	6500 VA	100.00%	6500 VA	**TOTAL CONNECTED LOAD:** 7 kVA
				TOTAL ESTIMATED DEMAND: 7 kVA
				TOTAL CONNECTED CURRENT: 18 A
				TOTAL ESTIMATED DEMAND CURRENT: 18 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
EXISTING PANELBOARD.

PANELBOARD AND WIRING SCHEDULE

PANEL: OB1 — **MAINS TYPE:** MLO — **SCCR (kA):** 22,000
VOLTAGE: 208Y/120V,3P,4W — **SPD:** Yes — **AVAIL FAULT CURRENT (kA):**
AMPERES: 400 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** MDP

CIRCUIT DESCRIPTION	WIRE	GND	C	OCP	P	CKT	A	B	C	CKT	P	OCP	C	GND	WIRE	CIRCUIT DESCRIPTION
OUTBUILDING LIGHTING	10	10	3/4"	20	1	1	0.4	0.7		2	1	20	3/4"	12	12	OUTBUILDING RECEPTACLES
OUTBUILDING LIGHTING	10	10	3/4"	20	1	3		0.4	0.5	4	1	20	3/4"	12	12	OUTBUILDING RECEPTACLES
OUTBUILDING LIGHTING	10	10	3/4"	20	1	5			0.4 0.5	6	1	20	3/4"	12	12	OVERHEAD DOOR
OUTBUILDING LIGHTING	10	10	3/4"	20	1	7	0.4	0.5		8	1	20	3/4"	12	12	OVERHEAD DOOR
OUTBUILDING LIGHTING	10	10	3/4"	20	1	9		0.4	0.0	10	1	20	--	--	--	SPARE
SPARE	--	--	--	20	1	11			0.0 0.0	12	1	20	--	--	--	SPARE
SPARE	--	--	--



ELECTRICAL SITE PLAN

1" = 20'-0"

GENERAL NOTES (SITE):

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 PLAN(S), 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 DIAGRAMMATIC 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 UTILTY 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 TRANSITIONS TO ABOVE GRADE; EXTEND CONDUIT A MINIMUM OF 6" ABOVE GRADE.

J. CONTRACTOR SHALL CONTACT ENGINEER FOR INSPECTION OF TRENCHES PRIOR TO INSTALLATION OF CONDUITS OR RACEWAYS. PROVIDE PHOTOS UPON REQUEST.

K. 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.

KEYNOTES:

U1 NEW POWERED GATE. OWNER SHALL PROVIDE SERVICE CONNECTION FROM SERVICE DROP. CONTRACTOR SHALL PROVIDE CONNECTION FROM SERVICE TO GATES. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH OWNER. COORDINATE POWERED GATE LOCATIONS WITH CIVIL PLANS PRIOR TO INSTALLATION.

U2 EXISTING EV CHARGER SHALL BE RELOCATED. COORDINATE REQUIREMENTS WITH OWNER AND CIVIL PLANS.

U3 RELOCATED EV CHARGER. COORDINATE REQUIREMETNS WITH OWNER AND CIVIL PLANS.

U4 UTILITY POWER TO OUTBUILDING. SERVICE TO BE PROVIDED BY THE OWNER. CONTRACTOR SHALL COORDINATE EXACT SCOPE BY OWNER AND BY CONTRACTOR PRIOR TO BID.

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BID DOCUMENTS 04/24/2025

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PROJECT TITLE
Harrison REMC - Addition & Renovation

OWNER
Corydon, IN

SHEET TITLE
ELECTRICAL SITE PLAN

DATE
April 24, 2025

SHEET NUMBER
UE-100
24179.00