WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

215 E. PARKWAY DRIVE
CAMBRIDGE CITY, INDIANA

BIDS & CONSTRUCTION
01.06.2025
GMB PROJECT # 5-6394

GENERAL INFORMATION

G0.01	GENERAL NOTES DIMENSIONS AND LEGENDS
G1.01	BUILDING SEPARATION PLAN
G1.1A	UNIT 'A' CODE COMPLIANCE PLAN
~~G1.1B~~	~~UNIT 'B' CODE COMPLIANCE PLAN~~ - (REMOVED BULL 001)
~~G1.1C~~	~~UNIT 'C' CODE COMPLIANCE PLAN~~ - (REMOVED BULL. 001)
~~G1.1D~~	~~UNIT 'D' CODE COMPLIANCE PLAN~~ - (REMOVED BULL. 001)
~~G1.1E~~	~~UNIT 'E' CODE COMPLIANCE PLAN~~ - (REMOVED BULL. 001)
G1.2A	UNIT 'A' CODE COMPLIANCE PLAN - BUILDIING SEPERATION (ADDED BUL. 001)
G2.1A	UNIT 'A' SECOND FLOOR CODE COMPLIANCE PLAN
G3.01	FIRST FLOOR PHASING PLAN

CIVIL

C0.00	PROJECT INFORMATION SHEET
C1.01	SITE DEMOLITION SHEET
C2.01	SITE PLAN
C3.01	SITE GRADING, DRAINAGE, & UTILITY PLAN
C3.02	SITE UTILITY DETAILS
C7.01	STORMWATER POLLUTION PREVENTION PLAN
C7.02	STORMWATER POLLUTION PREVENTION DETAILS
C8.01	SITE DETAILS
C8.02	SITE DETAILS

STRUCTURAL

S0.01	STRUCTURAL GENERAL INFORMATION
S0.02	STRUCTURAL SCHEDULES
S0.03	SNOW DRIFT PLAN
S0.04	MASONRY REINFORCING PLAN
S1.1A	UNIT 'A' FLOOR AND LOW ROOF DEMOLITION PLAN
S2.1A	UNIT 'A' FOUNDATION PLAN
S3.1A	UNIT 'A' FLOOR AND LOW ROOF FRAMING PLAN
S7.01	FOUNDATION DETAILS
S7.02	FRAMING DETAILS
S7.03	FRAMING DETAILS

ARCHITECTURAL

A1.1A	UNIT 'A' FIRST FLOOR DEMOLITION PLAN
A1.2A	UNIT 'A' FIRST FLOOR FLOOR CUTTING PLAN
A2.1A	UNIT 'A' FIRST FLOOR PLAN
A2.2A	UNIT 'A' SECOND FLOOR PLANS
A2.3A	UNIT 'A' ROOF PLAN
A2.80	ENLARGED PLANS
A2.81	ENLARGED PLANS
A3.1A	UNIT 'A' FIRST FLOOR REFLECTED CEILING PLAN
A4.01	EXTERIOR ELEVATIONS
A5.01	DOOR & FRAME SCHEDULES
A6.01	BUILDING SECTIONS
A6.02	BUILDING SECTIONS
A6.03	BUILDING SECTIONS
A6.10	WALL SECTIONS
A6.11	WALL SECTIONS
A6.12	WALL SECTIONS
A6.13	WALL SECTIONS
A6.14	WALL SECTIONS
A7.01	DOOR DETAILS
A7.02	DOOR DETAILS
A7.03	WALL AND WINDOW DETAILS
A7.04	DETAILS
A7.05	DETAILS
A8.01	INTERIOR ELEVATIONS
A8.02	INTERIOR ELEVATIONS
A8.03	INTERIOR ELEVATIONS
A9.01	ROOM SIGNAGE
A9.1A	UNIT 'A' FIRST FLOOR FINISH PLAN
A9.2A	UNIT 'A' SECOND FLOOR FINISH PLAN

PLUMBING

P0.01	PLUMBING GENERAL INFORMATION
P1.1A	UNIT 'A' PLUMBING DEMOLITION PLAN
P2.1A	UNIT 'A' PLUMBING PLAN
P2.80	ENLARGED PLUMBING PLANS

MECHANICAL

M0.01	MECHANICAL GENERAL INFORMATION
M1.01A	UNIT 'A' FIRST FLOOR MECHANICAL DEMOLITION PLAN
M2.1A	UNIT 'A' FIRST FLOOR HVAC PLAN
M3.1A	UNIT 'A' FIRST FLOOR HYDRONIC PLAN
M6.01	MECHANICAL SECTIONS
M7.01	MECHANICAL DETAILS
M8.01	MECHANICAL & CONTROL DIAGRAMS
M9.01	MECHANICAL SCHEDULES

ELECTRICAL

E0.01	ELECTRICAL SYMBOL LEGENDS & GENERAL NOTES
E1.1A	UNIT 'A' FIRST FLOOR ELECTRICAL DEMOLITION PLAN
E2.1A	UNIT 'A' FIRST FLOOR POWER & COMMUNICATIONS PLAN
E3.1A	UNIT 'A' FIRST FLOOR LIGHTING PLAN
E4.01	POWER DISTRIBUTION ONE-LINE DIAGRAMS
E5.01	POWER DISTRIBUTION EQUIPMENT SCHEDULES
E5.10	LIGHTING FIXTURE SCHEDULE
E7.01	ELECTRICAL DETAILS
ES2.01	SITE ELECTRICAL PLAN

VICINITY MAP

CIVIL ENGINEER

JPS CONSULTING ENGINEERS
9635 COUNSELORS ROW, SUITE 116
INDIANAPOLIS, IN 46240
P. 317.617.4240
WWW.JPSCONSULTINGENGINEERS.COM

OWNER'S REPRESENTATIVE

MAZE DESIGN, INC.
2601 NATIONAL ROAD WEST
RICHMOND, IN 47374
765.962.1300
DI@MAZEDESIGNINC.COM

OWNER

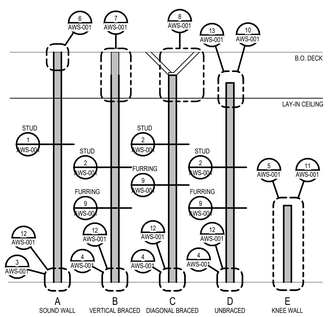
WESTERN WAYNE SCHOOLS
215 E. PARKWAY DRIVE
ENTRANCE #33
CAMBRIDGE CITY, IN 47327
(765) 478-5375
WWW.WWAYNE.K12.IN.US

ARCHITECT + ENGINEER

GMB
38 WEST MAIN STREET
CARMEL, IN 46032
P. 317.641.0674
WWW.GMB.COM

DAVID MICHAEL BOLT · REGISTERED · No. AR11500077 · STATE OF INDIANA · ARCHITECT

3.18.2025



WALL HEIGHT DIAGRAM

WALL TAG & HEIGHT DIAGRAM

3/8" = 1'-0"

INTERIOR WALL TAG

- WALL CONSTRUCTION TYPE
  - S = STUD
  - M = MASONRY
  - F = FURRING
- WALL MAKE-UP (SEE WALL DETAILS)
- FRAMING SIZE OR MASONRY SIZE (SEE FRAMING WIDTH SCHEDULE)
- WALL HEIGHT (SEE WALL HEIGHT DIAGRAM)

S-13A

FRAMING WIDTH SCHEDULE

CALLOUT	FRAMING SIZE	AISI IDENTIFICATION
.5	7/8"	SEE COLD-FORMED METAL FRAMING SCHEDULE
1	1 1/2"	
2	2 1/2"	
3	3 5/8"	
4	4"	
6	6"	
8	8"	

NOTE:
MASONRY SIZES TO BE LABELED NOMINALLY
8 = 8" = 7 5/8" CMU

GENERAL FLOOR PLAN NOTES:

1. DIMENSIONS GIVEN ARE TO THE FACE OF MASONRY UNITS OR TO THE FINISHED FACE OF METAL STUD PARTITION WALLS.
2. REFERENCE STRUCTURAL DRAWINGS FOR CONCRETE SLAB SIZES AND SLAB RELATED INFORMATION.
3. INTERIOR STUD WALLS ARE TO USE 3 5/8" METAL STUD FRAMING UNLESS OTHERWISE NOTED.
4. TURN UP VAPOR RETARDER MATERIAL AT JOINTS BETWEEN FLOOR SLAB AND FOUNDATION WALL UNLESS NOTED OTHERWISE.
5. SEE FOUNDATION PLANS FOR FLOOR SLAB RECESSES FOR TILE, WOOD FLOOR, ETC. (VERIFY RECESS REQUIRED BY MFR.)
6. EXTEND ALL INTERIOR WALL PARTITIONS (MASONRY OR STUDS) TO BOTTOM OF DECK ABOVE UNLESS NOTED OTHERWISE.
7. REFERENCE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FOR ITEMS NOT SHOWN. COORDINATE AS REQUIRED INCLUDING NECESSARY FRAMING, BLOCKING, ETC.
8. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF ANY CABINETRY, FRAMES, STRUCTURAL ITEMS, ETC.
9. PROVIDE PAINTED ACCESS PANELS IN WALLS AND CEILINGS TO PROVIDE ACCESS TO CONCEALED ITEMS INCLUDING BUT NOT LIMITED TO VALVES, CONTROLS, MECH. EQUIPMENT, ETC. ACCESS PANELS MAY NOT ALWAYS BE SHOWN ON PLANS. IT IS THE SUB CONTRACTOR RESPONSIBILITY TO DETERMINE LOCATIONS. COORDINATE LOCATIONS WITH OTHER GENERAL CONTRACTOR / SITE SUPERVISOR.
10. COORDINATE WALLS WITH COLUMNS AND OTHER ENCASED ITEMS. COLUMNS ARE TO BE CONTAINED WITHIN WALLS. THE FRAMING CONTRACTOR SHALL INCREASE FRAMING SIZE TO ACCOMMODATE COLUMNS, DRAIN LEADERS, PIPING, ELECTRICAL PANELS, ETC. WHERE WALLS REQUIRE EXTRA WIDTH THE ENTIRE WALL SHALL BE WIDENED UNLESS APPROVED BY ARCHITECT.
11. ALL GUARDRAILS AND HANDRAILS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE 2015 M.E.C., ANSI ICC A117.1-2009 & AMERICANS WITH DISABILITIES ACT GUIDELINES. THE MOST STRINGENT SHALL PREVAIL.
12. PROVIDE MINIMUM CLEARANCES AT ALL DOORS PER DETAILS. SEE G0.01 FOR REQUIREMENTS.
13. FOR ALL CABINETRY, SEE INTERIOR ELEVATIONS FOR LAYOUTS. FIELD VERIFY CLEAR WIDTHS PRIOR TO FABRICATION.
14. ALL EXTERIOR BLOCK CORNERS ARE TO BE BULLNOSE BLOCK EXCEPT CONCRETE BLOCK COLUMNS, PIERS AND WALLS TO RECEIVE TILE - UNLESS NOTED OTHERWISE.
15. CONTRACTOR TO MAINTAIN / REPAIR RATING OF EXISTING PARTITIONS AS AFFECTED BY DEMOLITION / NEW CONSTRUCTION. TYPICAL THROUGHOUT.
16. SEAL ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS WITH APPROVED FIRESTOPPING.
17. WHERE SPECIALTY BLOCK IS REQUIRED AT THE SAME HEIGHT ON BOTH SIDES OF A WALL USE (2) SPECIALTY BLOCKS BACK TO BACK TO MAINTAIN THE FINISHED WALL APPEARANCE BOTH SIDES OF THE WALL. COORDINATE WITH STRUCTURAL FOR LINTELS CONDITIONS PER SPECIFICATIONS.
18. WALLS TO BE PATCHED WITH LIKE MATERIALS WHERE EXISTING WALLS HAVE BEEN COMPROMISED FROM DEMOLITION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO REMOVAL AND REINSTALLATION OF CASEWORK AND WALL MOUNTED EQUIPMENT IN ORDER TO ACHIEVE SAID PATCH. IN AREAS WHERE BLOCK OR BRICK HAVE BEEN USED, NEW MASONRY TO BE TOOTHED IN AND MATCH EXISTING. AREAS AND FINISHES IN QUESTION SHALL BE COORDINATED WITH ARCHITECT.
19. SEE STRUCTURAL FRAMING PLANS FOR ADDITIONAL WALL REINFORCING REQUIREMENTS. MINIMUM REINFORCING (FOR ALL WALLS NOT OTHERWISE NOTED ON STRUCTURAL PLANS):
    A. ALL BEARING WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.
    B. ALL EXTERIOR WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.
    C. ALL INTERIOR NON-BEARING WALLS OVER 16'-0" HIGH SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.

GENERAL PROJECT NOTES:

1. FINISH FLOOR ELEVATION = 942.19' = 100'-0"
2. DRAWINGS ARE NOT TO BE SCALED WHEN A DIMENSION IS IN QUESTION. VERIFY W/ ARCHITECT.
3. DETAILS SHOWN BUT NOT CALLED OUT STILL APPLY, UNLESS OTHERWISE NOTED.
4. GENERAL TRADES CONTRACTOR SHALL COORDINATE ALL TRADES INCLUDING OWNER FURNISHED EQUIPMENT, INCLUDING DIMENSIONS OF SUCH AS THEY RELATE TO HIS/HER OWN WORK.
5. ALL EXPOSED SURFACES SHALL BE FINISHED. CONTACT ARCHITECT FOR DIRECTION IF FINISH IS NOT LISTED.
6. NO UTILITIES INCLUDING BUT NOT LIMITED TO, PIPING AND CONDUIT SHALL BE EXPOSED UNLESS APPROVED BY ARCHITECT.
7. GYPSUM BOARD WALLS AND BULKHEADS SHALL HAVE CONTROL JOINTS AT A 20'-0" O.C. MAXIMUM AND AS SHOWN ON DRAWINGS.
8. ANY CONTRACTOR IS TO STOP WORK IMMEDIATELY IN AREA IF ABATEMENT MATERIAL(S) ARE ENCOUNTERED. NOTIFY GENERAL CONTRACTOR OF SUSPECTED AREA SO PROPER ABATEMENT CAN BE DONE. (UNDER A SEPARATE ABATEMENT CONTRACT AS NEGOTIATED BY OWNER.)
9. AT ALL AREAS OF WORK WHERE EXISTING MASONRY BLOCK AND BRICK WALLS ARE BEING MODIFIED OR CONNECTED TO NEW MASONRY AND/OR BRICK MUST BE TOOTHED, UNLESS NOTED OTHERWISE ON DRAWINGS.
10. CONTRACTOR SHALL VERIFY LOCATIONS OF UTILITIES PRIOR TO EXCAVATION, TRENCHING, ETC. AND SHALL REPAIR OR REPLACE ANY DAMAGED UTILITIES AS A RESULT OF CONSTRUCTION.
11. ALL TRADES ARE TO COORDINATE ANY DEMOLITION, CAPPING OR ABANDONMENT OF EXISTING MECHANICAL, ELECTRICAL, PLUMBING OR ARCHITECTURAL ITEMS.
12. ANY DEMOLITION OR CONSTRUCTION WHICH DAMAGES ADJACENT SURFACES IS TO BE REPAIRED TO MATCH THE EXISTING SURFACE DAMAGED (MATERIALS & FINISHES) AND ALL REPAIR WORK IS TO BE COORDINATED WITH NEW CONSTRUCTION.
13. CONTRACTOR IS TO PROVIDE TEMPORARY SHORING AND BRACING FOR EXISTING ROOF/FLOOR STRUCTURE AS REQUIRED UNTIL PERMANENT WALLS & LINTELS ARE INSTALLED.
14. SITE SECURITY AND SAFETY ARE THE CONTRACTORS RESPONSIBILITY. SITE SHALL BE SECURED (FENCED IF REQUIRED) BY CONTRACTOR.
15. ALL ITEMS TO BE SAVED AND/OR RELOCATED ARE TO BE STORED IN A PROPER MANNER SO NO DAMAGE WILL OCCUR TO THESE ITEMS DURING THEIR STORAGE PERIOD.
16. ALL CONSTRUCTION AND MATERIALS ARE TO BE INSTALLED BY THE MANUFACTURERS SPECIFICATIONS AND/OR RECOMMENDATIONS UNLESS DIRECTED OTHERWISE BY ARCHITECT.
17. SEE SPECIFICATIONS FOR STEEL LINTEL SIZES FOR WALL OPENINGS NOT DETAILED (e.g. HVAC DUCTS, ETC.).
18. REFER TO GENERAL INFORMATION SHEET G0.01 FOR TYPICAL BARRIER FREE AND ACCESSIBLE DIMENSIONS.
19. SEE FLOOR PLANS FOR WALL REINFORCING REQUIRED. (SEE WALL REINFORCING SCHEDULE)
20. FURNISH & INSTALL 2x12 HORIZONTAL WOOD BLOCKING BETWEEN STUDS WHERE REQUIRED FOR MOUNTING OF UPPER CABINETS. GRAB BARS OR OTHER EQUIPMENT AS REQUIRED FOR PROPER SUPPORT.
21. COORDINATE ALL CONSTRUCTION PRACTICE TOLERANCES WITH OTHER TRADES WHOSE WORK MAY BE AFFECTED, DIRECTLY OR INDIRECTLY, WITH YOUR SPECIFIC TRADE. IN ALL CASES, THE MOST STRINGENT TOLERANCE SHALL APPLY AND SHALL BE COORDINATED THRU THE GENERAL CONTRACTOR, JOB SUPERINTENDENT AND/OR CONSTRUCTION MANAGER AND FIELD OBSERVATION PERSON AS APPLICABLE.
22. REFER TO FLOOR PLANS, SCHEDULES AND EXTERIOR ELEVATIONS FOR WINDOW FRAME TYPES.
23. REFER TO FLOOR PLANS, SCHEDULES AND INTERIOR ELEVATIONS FOR BORROWED LITE FRAME TYPES.
24. AT MASONRY CAVITY WALL LOCATION, PROVIDE APPROPRIATE SEPARATION IN REGARDS TO INTERIOR AIR EXFILTRATION AND EXTERIOR AIR AND WATER INFILTRATION THRU WALL. PROVIDE NECESSARY AIR AND WATER BARRIERS REQUIRED, INCLUDING DAMS, TO PREVENT WALL LEAKAGE.

CODE NOTES:

1. FIRE DEPARTMENT ACCESS AND WATER SUPPLY SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF VERTICAL CONSTRUCTION.
2. FIRE STOP ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES AND CONCEALED WALL SPACES AT THE CEILING, FLOOR, AND ROOF LEVELS.
3. INSTALL SOLID BLOCK BEHIND ALL RECESSED WALL UNITS AS REQUIRED TO MAINTAIN FIRE RATINGS.
4. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS SHALL BE IDENTIFIED WITH STENCILING AT INTERVALS NOT TO EXCEED 30'. REFER TO CODE PLAN FOR WALLS REQUIRED TO BE PROTECTED.
5. ALL PENETRATIONS AT SMOKE AND FIRE RATED WALLS, FLOORS, CEILINGS, ETC. SHALL BE PROTECTED, SEALED OR DAMPERED USING ONLY U.L. AND / OR I.C.B.O. APPROVED METHODS, MATERIALS AND INSTALLATION.
6. SEE REFLECTED CEILING PLANS AND LIGHTING PLANS FOR EXIT SIGNAGE LOCATIONS.
7. ALL EXITS TO BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF KEY OR SPECIAL KNOWLEDGE.
8. PANIC HARDWARE TO BE PROVIDED AT EACH EXIT DOOR FROM ROOMS WITH AN OCCUPANT LOAD 50 OR MORE INCLUDING MAIN CORRIDOR EXIT DOORS.
9. ALL ELEVATORS SHALL COMPLY WITH A.D.A., A.D.A.G.G. AND A.N.S.I. REQUIREMENTS.
10. SPECIAL STRUCTURAL INSPECTIONS ARE REQUIRED. REVIEW GENERAL STRUCTURAL NOTES AND SPECIFICATIONS FOR REQUIREMENTS.
11. FIRE SPRINKLERS AND FIRE ALARM SYSTEM SHALL BE PROVIDED PER NFPA NO. 13, 70 & 72. SUBMIT ALL REQUIRED DRAWING AND INFORMATION TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY RELATED WORK. OBTAIN APPROVAL OF COMPLETED SYSTEMS PRIOR TO FINAL ACCEPTANCE.

ACCESSIBILITY NOTES:

1. PUBLIC ENTRANCES: AT LEAST 60% SHALL BE ACCESSIBLE.
2. ACCESSIBLE ENTRANCES TO THE BUILDING SHALL BE IDENTIFIED BY THE INTERNATIONAL SIGN OF ACCESSIBILITY.
3. AN ACCESSIBLE ROUTE OF NOT LESS THAN 3 FT. WIDE MUST BE PROVIDED TO ALL PORTIONS OF THE BUILDING AND BETWEEN THE BUILDING AND THE PUBLIC WAY. ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM SLOPE OF 1:20 AND A MAXIMUM CROSS SLOPE OF 1:50.
4. ACCESSIBLE ROUTE SHALL BE WITHOUT STEPS OR CHANGES IN LEVEL GREATER THAN 1/2" WITHOUT AN APPROVED RAMP.
5. ACCESSIBLE RAMPS THAT ARE REQUIRED BY ANSI A 117.1 SHALL NOT HAVE A SLOPE THAT EXCEEDS 1FT. IN 12 FEET. RAMPS AND GROUND SURFACES SHALL BE OF A SLIP RESISTANT SURFACE.
6. THRESHOLDS MUST BE 1/2" OR LESS IN HEIGHT.
7. ALL ACCESSIBLE PARKING SPACES MUST HAVE A SIGN THAT INCLUDES THE INTERNATIONAL SIGN OF ACCESSIBILITY. PARKING SPACE WILL BE OUTLINED IN A CONTRASTING COLOR WITH THE INTERNATIONAL SIGN OF ACCESSIBILITY PAINTED IN THE CENTER.
8. ALL ALARMS TO MEET ACCESSIBILITY REQUIREMENTS.

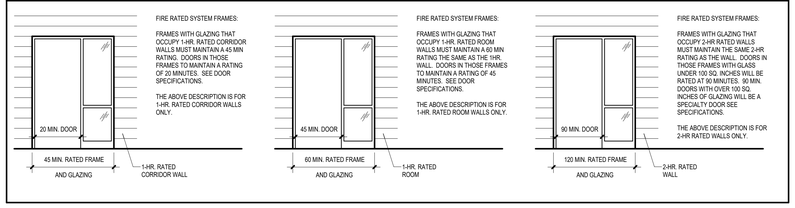
STRUCTURAL NOTES:

1. CONSTRUCTION AND/OR CONTROL JOINTS IN CONCRETE SHALL BE ON A 12'-0" SQUARE GRID (MAX.) UNLESS OTHERWISE NOTED. ALL CONSTRUCTION JOINTS SHALL BE DOWELED W/ 1/2" SMOOTH DOWELS AT 24" O.C. SEE DETAILS.
2. PROVIDE CONTINUOUS U-BLOCK BOND BEAMS AT THE LOCATIONS INDICATED ON WALL SECTIONS OR DETAILS. FILL U-BLOCKS WITH CONCRETE AND REINFORCE WITH (2) #5 BARS CONTINUOUS UNLESS NOTED OTHERWISE ON DRAWINGS.

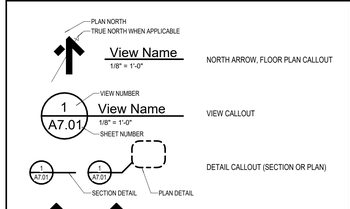
ABBREVIATIONS

A.D.A.	=	AMERICANS WITH DISABILITY ACT	ISO.	=	ISOCYANURATE
A.F.F.	=	ABOVE FINISHED FLOOR	INSUL.	=	INSULATION
ALT.	=	ALTERNATE	MFR.	=	MANUFACTURER
ALUM.	=	ALUMINUM	MAX.	=	MAXIMUM
BD.	=	BOARD	M.B.	=	MARKER BOARD
B.F.	=	BARRIER FREE	M.B.C.	=	MICHIGAN BUILDING CODE
BATT.	=	BATTEN INSULATION	MECH.	=	MECHANICAL
B.O.	=	BOTTOM OF	MIN.	=	MINIMUM
BRG.	=	BEARING	MISC.	=	MISCELLANEOUS
C.J.	=	CONTROL JOINT	M.J.	=	MASONRY JOINT
CLG.	=	CEILING	M.O.	=	MASONRY OPENING
CONC.	=	CONCRETE	MTL.	=	METAL
CONT.	=	CONTINUOUS	N.I.C.	=	NOT IN CONTRACT
CONF.	=	CONFERENCE	NOM.	=	NOMINAL
CORR.	=	CORRIDOR	O.C.	=	ON CENTER
DIA.	=	DIAMETER	OPP.	=	OPPOSITE
DIM.	=	DIMENSION	P.LAM	=	PLASTIC LAMINATE
DW.	=	DISHWASHER	P.T.	=	PRESSURE TREATED
D.F.	=	DRINKING FOUNTAIN	REQ.	=	REQUIRED
DN.	=	DOWN	REINF.	=	REINFORCING
DS.	=	DOWNSPOUT	R.D.	=	ROOF DRAIN
EQ.	=	EQUAL	SIM.	=	SIMILAR TO
EL.	=	ELEVATION	SPEC.	=	SPECIFICATION
EX.	=	EXISTING	STD.	=	STANDARD
EXP.	=	EXPANSION	STOR.	=	STORAGE
EXT.	=	EXTERIOR	S.S.	=	STAINLESS STEEL
F.D.	=	FLOOR DRAIN	T.	=	TOILET
F.E.	=	FIRE EXTINGUISHER	T.B.	=	TACK BOARD
F.E.C.	=	FIRE EXTINGUISHER CABINET	T&G	=	TONGUE AND GROOVE
F.E.R.C.	=	FIRE EXT. RECESSED CABINET	T.O.F.	=	TOP OF FOOTING
F.E.S.C.	=	FIRE EXT. SEMI-RECESSED CABINET	T.O.M.	=	TOP OF MASONRY
FIN.	=	FINISHED	T.O.W.	=	TOP OF WALL
FLR.	=	FLOOR	TYP.	=	TYPICAL
F.R.T.	=	FIRE RETARDANT TREATED	U.N.O.	=	UNLESS NOTED OTHERWISE
GA.	=	GAUGE	V.I.F.	=	VERIFY IN FIELD
GALV.	=	GALVANIZED	VERT.	=	VERTICAL
GYP.	=	GYPSUM BOARD	VEST.	=	VESTIBULE
H.D.	=	HAND DRYER	W/	=	WITH
HORIZ.	=	HORIZONTAL	W.W.F.	=	WELDED WIRE FABRIC
H.S.S.	=	HOLLOW STRUCTURAL SECTION			

FIRE RATED FRAMES



GENERAL ANNOTATION LEGEND



NON-LOAD BEARING COLD-FORMED METAL FRAMING SCHEDULE

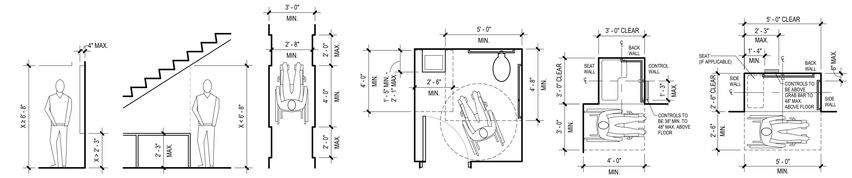
	DEPTH	GAUGE (33 KSI)	FLANGE WIDTH	IDENTIFICATION AISI S100/S200	LOCATION / USE
STUDS & JOISTS	2 1/2"	20	1 1/4"	250S125-30	BULKHEADS & MISC. FRAMING
	3 5/8"	20	1 1/4"	362S125-30	INTERIOR WALLS & BULKHEADS
	6"	18	1 5/8"	600S162-43	
	3 5/8"	20	1 5/8"	362S162-33	INTERIOR JAMBS
	6"	18	1 5/8"	600S162-43	
	6"	16	1 5/8"	600S162-54	EXTERIOR WALLS
TRACK	2 1/2"	20	1 1/4"	250T125-30	BULKHEADS & MISC. FRAMING
	3 5/8"	20	1 1/4"	362T125-30	INTERIOR WALLS & BULKHEADS
	3 5/8"	20	2 1/2"	362T250-33	DEFLECTION TRACK
	6"	18	1 1/4"	600T125-43	INTERIOR WALLS & BULKHEADS
	6"	16	1 1/2"	600T150-54	EXTERIOR WALLS
FURRING (HAT)	7/8"	20	N/A	087F125-33	WHERE NOTED
	1 1/2"	20	N/A	150F125-33	WHERE NOTED

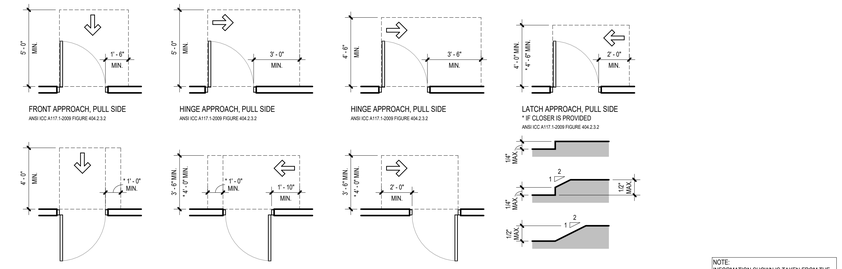
NOTE: ALL MEMBERS IN THIS SCHEDULE ARE SIZED FOR MAXIMUM 15' TALL WALLS, NOTE THAT 6" INTERIOR STUDS CAN SPAN A MAXIMUM HEIGHT OF 28'
SEE COLD-FORMED METAL HEADER SCHEDULE FOR SPECIFIC JAMB & HEADER REQUIREMENT

INTERIOR, NON-LOAD BEARING COLD-FORMED METAL HEADER SCHEDULE

ROUGH OPENING	MATERIAL	HEADER SHAPE
6'-0" MAX.	HEADER: (2) 362S162-33 JOISTS (2) 362T125-33 TRACKS JAMBS: (1) 362S162-33 STUD EACH END (1) 362T125-33 TRACK	
10'-0" MAX.	HEADER: (2) 600S162-33 JOISTS (2) 362T125-33 TRACKS JAMBS: (2) 362S162-33 STUDS EACH END (1) 362T125-33 TRACK	
12'-0" MAX.	HEADER: (2) 1000S162-43 JOISTS (1) 362S162-33 HORIZONTAL (3) 362T125-33 TRACKS JAMBS: (2) 362S162-33 STUDS EACH END (1) 362T125-33 TRACK	

ALL HEADERS IN THIS SCHEDULE ARE SIZED FOR INTERIOR, NON-LOAD BEARING WALLS ONLY
BASED ON 12' WALL HEIGHT / 5 psf INTERNAL LOAD / 50 plf VERTICAL DEAD LOAD

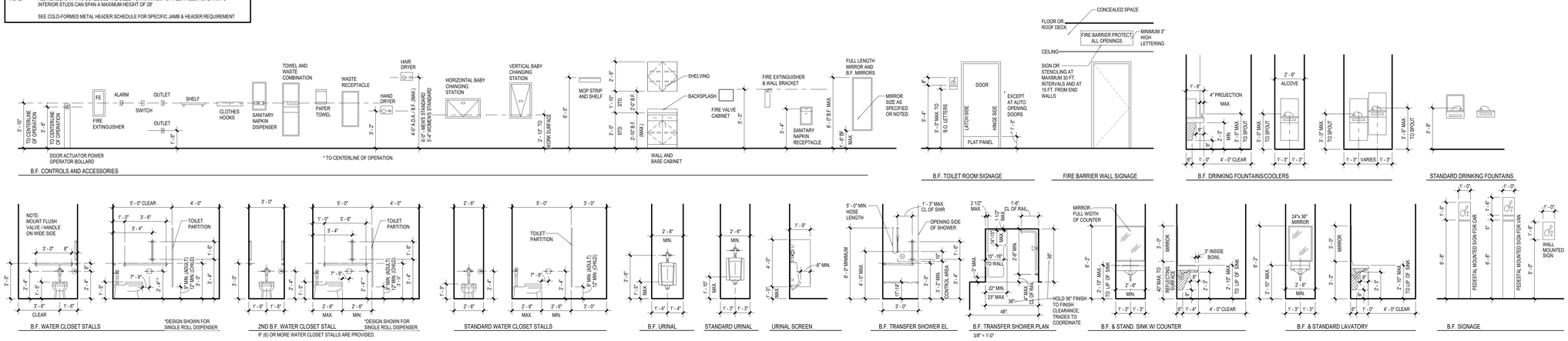




NOTE:
INFORMATION SHOWN IS TAKEN FROM THE AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) AND IS FOR REFERENCE ONLY AS DESCRIBED IN ANSI ICC A117.1-2009

ACCESSIBLE BUILDING LEGEND

1/4" = 1'-0"



BARRIER FREE ADA DIMENSIONS

1/4" = 1'-0"

gmb
Maze Design, Inc.
DAVID MICHAEL BOLT REGISTERED No. AR11500077 STATE OF INDIANA ARCHITECT
3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

DRAWN NCB
REVIEWED AGS

PROJECT NO. 5-6394

GENERAL NOTES
DIMENSIONS AND LEGENDS

G0.01

PLUMBING FIXTURE COUNTS

NO.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
				MALE	FEMALE	MALE	FEMALE		
1	ASSEMBLY (1,694 OCCUPANTS)	A-4	GYM WITH SPECTATOR SEATING	1 PER 75 REQUIRED 12 ACTUAL 23	1 PER 40 REQUIRED 22 ACTUAL 22	1 PER 200 REQUIRED 5 ACTUAL 12	1 PER 150 REQUIRED 6 ACTUAL 11	1 PER 1000 REQUIRED 2 ACTUAL 8	1 SERVICE SINK REQUIRED 1 ACTUAL 1
				2 ADDITIONAL B.F. UNISEX		1 ADDITIONAL B.F. UNISEX			
3	EDUCATIONAL (300 STUDENTS 30 STAFF)	E	EDUCATIONAL FACILITIES	1 PER 50 REQUIRED 4 ACTUAL 10	1 PER 50 REQUIRED 4 ACTUAL 7	1 PER 50 REQUIRED 4 ACTUAL 6	1 PER 50 REQUIRED 4 ACTUAL 7	1 PER 100 REQUIRED 4 ACTUAL X	1 SERVICE SINK REQUIRED 1 ACTUAL 1
				1 ADDITIONAL B.F. UNISEX		2 ADDITIONAL B.F. UNISEX			

LIFE SAFETY NOTES

1. CODE: 2012 INDIANA BUILDING CODE
2. CONSTRUCTION TYPE: II (000)
   UNPROTECTED WITH NO AUTOMATIC FIRE SPRINKLER SYSTEM
   HAZARD OF CONTENTS: ORDINARY HAZARD
3. OCCUPANCY: EDUCATIONAL OCCUPANCY (SPACES SUBJECT TO "ASSEMBLY" OCCUPANCY NOTED ON PLAN)
4. AREA & HEIGHT:
   ALLOWABLE AREA: 14,500 SQ. FT. (REFER TO CALCULATIONS ON SHEET)
   ALLOWABLE HEIGHT: 1 STORY
   SMOKE COMPARTMENTS: MINIMUM OF 2 COMPARTMENTS, MAXIMUM OF 30,000 SQ. FT. EACH
5. SEPARATION & PROTECTION:
   CORRIDORS SHALL BE 1 HR RATED
   FIRE AREAS: SEPARATED W/ 2-HR FIRE SEPARATION & 90-MIN. OPENING PROTECTIVES.
   BOILER & FURNACE ROOMS, STORAGE AREAS, AND CUSTODIAL CLOSETS: 1-HR RATED SEPARATION & OPENING PROTECTIVES WHERE REQUIRED.
6. OCCUPANT LOAD: (BASED ON FOLLOWING - SEE PLAN)
   ASSEMBLY (CONFERENCE, DINING, GYMNASIUM): 1/15 SF NET
   BUSINESS: 1/100 SF GROSS
   CLASSROOMS: 1/20 SF NET
   KITCHENS: 1/100 SF GROSS
   LIBRARIES (READING AREAS): 1/50 SF NET
   LIBRARIES (STACK AREAS): 1/100 SF GROSS
   LOCKERS: 1/7 SF NET, OR 1/15 SF GROSS INCLUDING SHOWERS, TOILETS & DRYING
   MECHANICAL EQUIPMENT: 1/300 SF GROSS
   SHOPS, LABS, VOC. ROOMS: 1/50 SF NET
   STAGES: 1/15 SF NET
   STORAGE: 1/300 SF GROSS
7. EGRESS REQUIREMENTS:
   A. 6'-0" MINIMUM CORRIDOR WIDTH (CORRIDOR CAPACITY = OCCUPANT LOAD/REQUIRED NUMBER OF EXITS)
   B. EGRESS WIDTHS - 0.2" PER PERSON (LEVEL OR RAMPED)
   C. 200' MAXIMUM TRAVEL DISTANCE
   D. 20' DEAD-END MAXIMUM TRAVEL IN CORRIDOR
   E. 75' MAXIMUM COMMON PATH OF TRAVEL
   F. EXITS:
      (1) 2 REMOTE EXITS REQUIRED FOR EDUCATIONAL SPACES >50 PEOPLE OR >1,000 SQ. FT. IN AREA
      (2) MINIMUM NUMBER PER OCCUPANTS: 2 IF < 501, 3 IF < 1001, 4 IF > 1000
      (3) WINDOWS FOR RESCUE REQUIRED IN BUILDINGS NOT PROTECTED BY AUTOMATIC SPRINKLER SYSTEM
      (4) PANIC HARDWARE AT AREAS >100 OCCUPANT LOAD IF DOOR PROVIDED WITH LATCH OR LOCK.
      (5) DISCHARGE: ALL EXITS SHALL TERMINATE AT A PUBLIC WAY OR AN EXTERIOR EXIT DISCHARGE
   G. HORIZONTAL EXITS:
      (1) SUBSTITUTED FOR NO MORE THAN ONE-HALF OF REQUIRED EXITS
      (2) FIRE BARRIERS SEPARATING BUILDING AREAS WITH HORIZ. EXITS BETWEEN SHALL BE 2-HOUR RATED
      (3) WHERE SERVING BOTH SIDES OF FIRE BARRIER ADJACENT OPENINGS REQUIRED WITH DOORS SWINGING IN OPPOSITE DIRECTIONS
   H. DOORS:
      (1) MINIMUM CLEAR WIDTH SHALL BE 32"
      (2) SIDE HINGED
      (3) SWING IN DIRECTION OF TRAVEL WHERE OCCUPANT LOAD IS > 50
      (4) SELF-CLOSING OR AUTOMATIC-CLOSING IN FIRE BARRIERS AND HORIZONTAL EXITS
8. INTERIOR FINISH:
   A. EXITS - CLASS A.
   B. ALL OTHER - CLASS A OR B.
   C. INTERIOR WALL & CEILING FINISH IF LESS THAN 10% OF AGGREGATE WALL & CEILING AREAS OF ANY ROOM MAY BE CLASS C.
9. OTHER PROVISIONS:
   BUILDING CONSTRUCTION - INDIANA BUILDING CODE 2012
   ELECTRICAL - 2023 NFPA 70 (NEC) AS AMENDED BY MICHIGAN PART 8 RULES
   MECHANICAL - INDIANA MECHANICAL CODE 2014
   PLUMBING - INDIANA PLUMBING CODE 2012
   FIRE ALARM SYSTEM - NFPA 70 & 72
   FIRE EXTINGUISHERS - NFPA 10
   FIRE SPRINKLERS - NFPA 13

FIRESTOPPING REQUIREMENT

ALL OPENINGS AROUND MECHANICAL, PLUMBING, ELECTRICAL, AND STRUCTURAL PENETRATIONS THRU A FIRE RESISTIVE RATED ASSEMBLY (INCLUDING FLOORS) SHALL BE SEALED WITH FIRE RATED FIRESTOPPING IN COMPLIANCE WITH ASTM E814 AND EQUIVALENT TO FIRE RATING REQUIRED. PENETRATIONS THRU SMOKE RESISTIVE NON-FIRE RATED ROOM, WALLS SHALL BE SEALED SMOKE TIGHT

GENERAL CODE NOTES:

A. FIRE DEPARTMENT ACCESS AND WATER SUPPLY SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF VERTICAL CONSTRUCTION.

B. FIRE STOP ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES AND CONCEALED WALL SPACES AT THE CEILING, FLOOR, AND ROOF LEVELS.

C. INSTALL SOLID BLOCK BEHIND ALL RECESSED WALL UNITS AS REQUIRED TO MAINTAIN FIRE RATINGS.

D. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS SHALL BE IDENTIFIED WITH STENCILING AT INTERVALS NOT TO EXCEED 30'. REFER TO CODE PLAN FOR WALLS REQUIRED TO BE PROTECTED.

E. ALL PENETRATIONS AT SMOKE AND FIRE RATED WALLS, FLOORS, CEILINGS, ETC. SHALL BE PROTECTED, SEALED OR DAMPERED USING ONLY U.L. AND / OR C.B.O. APPROVED METHODS, MATERIALS AND INSTALLATION.

F. SEE REFLECTED CEILING PLANS AND LIGHTING PLANS FOR EXIT SIGNAGE LOCATIONS.

G. ALL EXITS TO BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF KEY OR SPECIAL KNOWLEDGE.

H. ALL ELEVATORS SHALL COMPLY WITH A.D.A., A.D.A.G.G. AND A.N.S.I. REQUIREMENTS.

I. SPECIAL STRUCTURAL INSPECTIONS ARE REQUIRED. REVIEW GENERAL STRUCTURAL NOTES AND SPECIFICATIONS FOR REQUIREMENTS.

J. FIRE SPRINKLERS AND FIRE ALARM SYSTEM SHALL BE PROVIDED PER NFPA NO. 13, 70 & 72. SUBMIT ALL REQUIRED DRAWING AND INFORMATION TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY RELATED WORK. OBTAIN APPROVAL OF COMPLETED SYSTEMS PRIOR TO FINAL ACCEPTANCE.

LEGEND - CODE COMPLIANCE PLAN

2-HR FW

FIRE WALLS (IBC SECTION 706)
CREATE SEPARATE BUILDINGS. 2-HOUR FIRE RESISTANCE RATING, STRUCTURALLY ENGINEERED. 90-MINUTE SELF-CLOSING DOORS. GLAZING ONLY ALLOWED IF DESIGNED AND TESTED AS A WALL. GLAZED OPENINGS ARE PERMITTED IF RATED AS A WALL, PER ASTM E119 AND SECTION 716.2 (IBC) IN MAXIMUM SIZE TESTED.

2-HR FB

2-HR FIRE BARRIER (IBC SECTION 707 / NFPA 101 - 8.3)
FIRE BARRIER (2-HOUR FIRE RESISTANCE RATING REQUIRED). INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE. 90-MINUTE SELF-CLOSING DOORS (100 SQUARE INCHES MAXIMUM DOOR VISION PANEL). GLAZED OPENINGS ARE PERMITTED IF 2-HOUR RATED, PER ASTM E119 AND TABLE 716.5 (IBC) AND TABLE 8.3.4.2 (NFPA 101). OPENING SHALL BE LESS THAN 25% OF THE COMMON CORRIDOR WALL PER ROOM.

1-HR FB

1-HR FIRE BARRIER (IBC SECTION 707 / NFPA 101 - 8.3)
FIRE BARRIER (1-HOUR FIRE RESISTANCE RATING REQUIRED). INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE. OPENING SHALL BE LESS THAN 25% OF THE WALL. OPENING PROTECTIVES DEPEND ON TYPE OF ASSEMBLY PER TABLE 716.5 (IBC) AND TABLE 8.3.4.2 (NFPA 101).

CORRIDOR

(CORRIDOR) FIRE BARRIER (IBC SECTION 707 / NFPA 101 - 8.3)
CORRIDOR FIRE BARRIER (1-HOUR FIRE RESISTANCE RATING REQUIRED). INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE. 20-MINUTE SELF-CLOSING DOORS. GLAZED OPENINGS ARE PERMITTED IF 3/4-HOUR RATED, PER ASTM E119 IN THE MAXIMUM SIZE TESTED. OPENING SHALL BE LESS THAN 25% OF THE COMMON CORRIDOR WALL PER ROOM.

1-HR SB

SMOKE BARRIER (IBC SECTION 709 / NFPA 101 - 8.5)
SMOKE BARRIER (1-HOUR FIRE RESISTANCE RATING REQUIRED). DIVIDE BUILDING INTO COMPARTMENTS TO RESTRICT MOVEMENT OF SMOKE. INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE 20-MINUTE SELF-CLOSING OR SMOKE ACTIVATED LABEL DOORS. GLAZED OPENINGS ARE PERMITTED IF 3/4-HOUR RATED, PER ASTM E119 IN THE MAXIMUM SIZE TESTED. OPENING SHALL BE LESS THAN 25% OF THE COMMON CORRIDOR WALL PER ROOM.

SMOKE SP

SMOKE PARTITION (IBC SECTION 710 / NFPA 101 - 8.4)
SMOKE PARTITION (NO FIRE RESISTANCE RATING) FROM FLOOR SLAB TIGHT TO ROOF DECK OR SOLID CEILING ABOVE. GLAZED OPENINGS ARE PERMITTED (NO RATING REQUIRED) "PER NFPA 101 14.3.6(2)(B) SELF-CLOSING DOORS PER 8.4.3.5 ARE NOT REQUIRED FOR NORMALLY OCCUPIED CLASSROOMS"

64" W.

BUILDING EXIT WITH EGRESS WIDTH

46

OCCUPANT LOAD

20

DENOTES FIRE RESISTANCE RATING OF OPENING PROTECTIVE (IN MINUTES)

P

DENOTES PANIC HARDWARE DEVICE ON EACH DOOR LEAF

FE

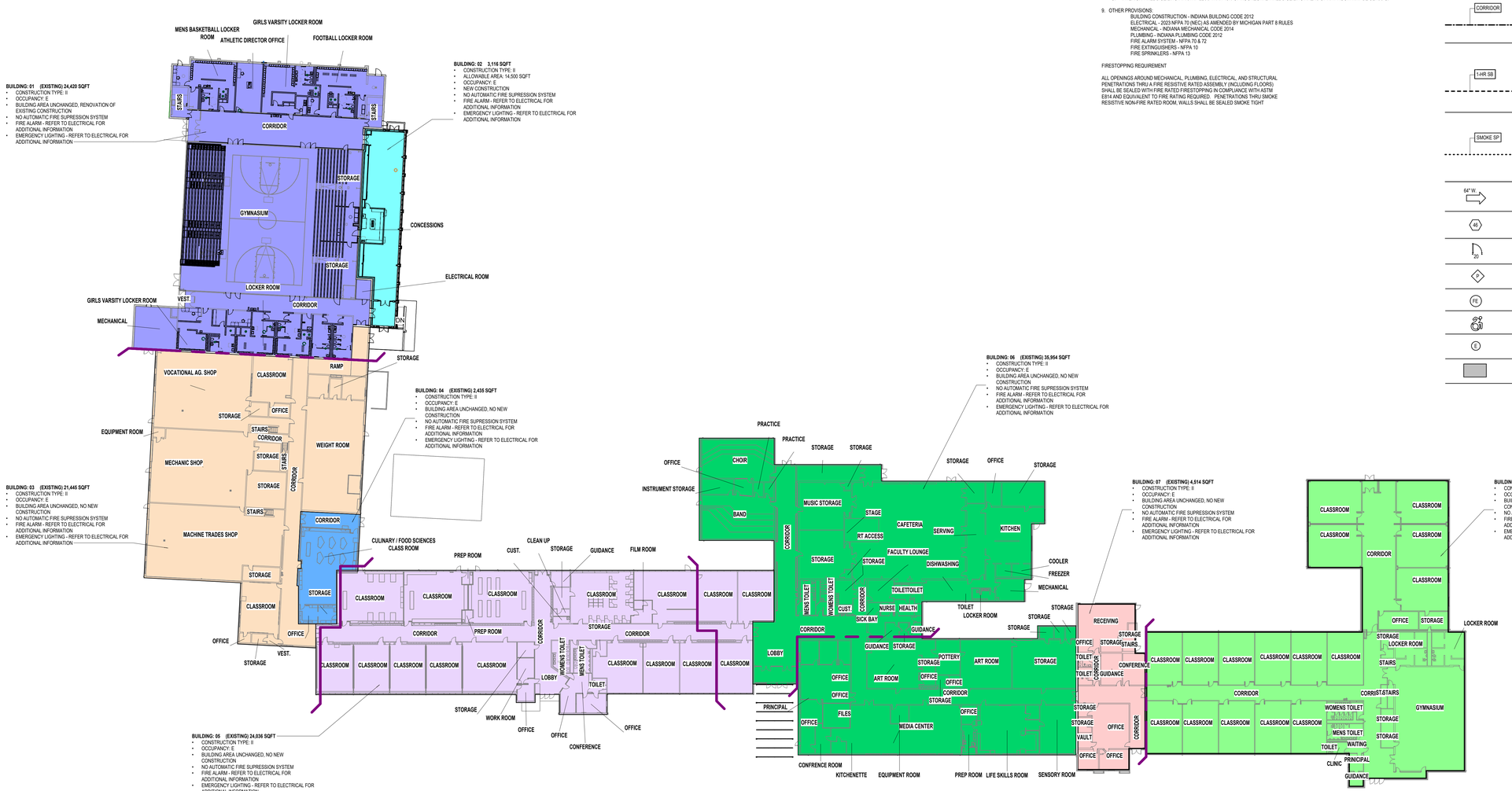
FIRE EXTINGUISHER

"ACCESSIBLE" ROUTE/ENTRANCE/EGRESS

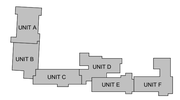
E

EGRESS WINDOW LOCATION

NOT IN SCOPE



CODE COMPLIANCE PLAN
1/32" = 1'-0"



KEYPLAN

gmb
Maze Design, Inc.

DAVID MICHAEL BOLT · REGISTERED · No. AR11500077 · STATE OF INDIANA · ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
01.22.2025 ADDENDUM 002
03.13.2025 BULLETIN 001

DRAWN NCB
REVIEWED AGS

PROJECT NO. 5-6394

BUILDING SEPARATION PLAN

G1.01

Autodesk Docs://5-6394 Western Wayne Schools Additions & Renovations/5-6394A 2025.rvt
3/13/2025 10:31:47 AM

PLUMBING FIXTURE COUNTS

NO.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
				MALE	FEMALE	MALE	FEMALE		
1	ASSEMBLY (1,694 OCCUPANTS)	A-4	GYM WITH SPECTATOR SEATING	1 PER 75 REQUIRED 12 ACTUAL 23 2 ADDITIONAL B.F. UNISEX	1 PER 40 REQUIRED 22 ACTUAL 22	1 PER 200 REQUIRED 5 ACTUAL 12 1 ADDITIONAL B.F. UNISEX	1 PER 150 REQUIRED 6 ACTUAL 11	1 PER 1000 REQUIRED 2 ACTUAL 8	1 SERVICE SINK REQUIRED 1 ACTUAL 1
3	EDUCATIONAL (300 STUDENTS 30 STAFF)	E	EDUCATIONAL FACILITIES	1 PER 50 REQUIRED 4 ACTUAL 10 1 ADDITIONAL B.F. UNISEX	1 PER 50 REQUIRED 4 ACTUAL 7	1 PER 50 REQUIRED 4 ACTUAL 6 2 ADDITIONAL B.F. UNISEX	1 PER 50 REQUIRED 4 ACTUAL 7	1 PER 100 REQUIRED 4 ACTUAL X	1 SERVICE SINK REQUIRED 1 ACTUAL 1

GENERAL CODE NOTES:

A. FIRE DEPARTMENT ACCESS AND WATER SUPPLY SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF VERTICAL CONSTRUCTION.

B. FIRE STOP ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES AND CONCEALED WALL SPACES AT THE CEILING, FLOOR, AND ROOF LEVELS.

C. INSTALL SOLID BLOCK BEHIND ALL RECESSED WALL UNITS AS REQUIRED TO MAINTAIN FIRE RATINGS.

D. ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS SHALL BE IDENTIFIED WITH STENCILING AT INTERVALS NOT TO EXCEED 30'. REFER TO CODE PLAN FOR WALLS REQUIRED TO BE PROTECTED.

E. ALL PENETRATIONS AT SMOKE AND FIRE RATED WALLS, FLOORS, CEILINGS, ETC. SHALL BE PROTECTED, SEALED OR DAMPERED USING ONLY U.L. AND / OR I.C.B.O. APPROVED METHODS, MATERIALS AND INSTALLATION.

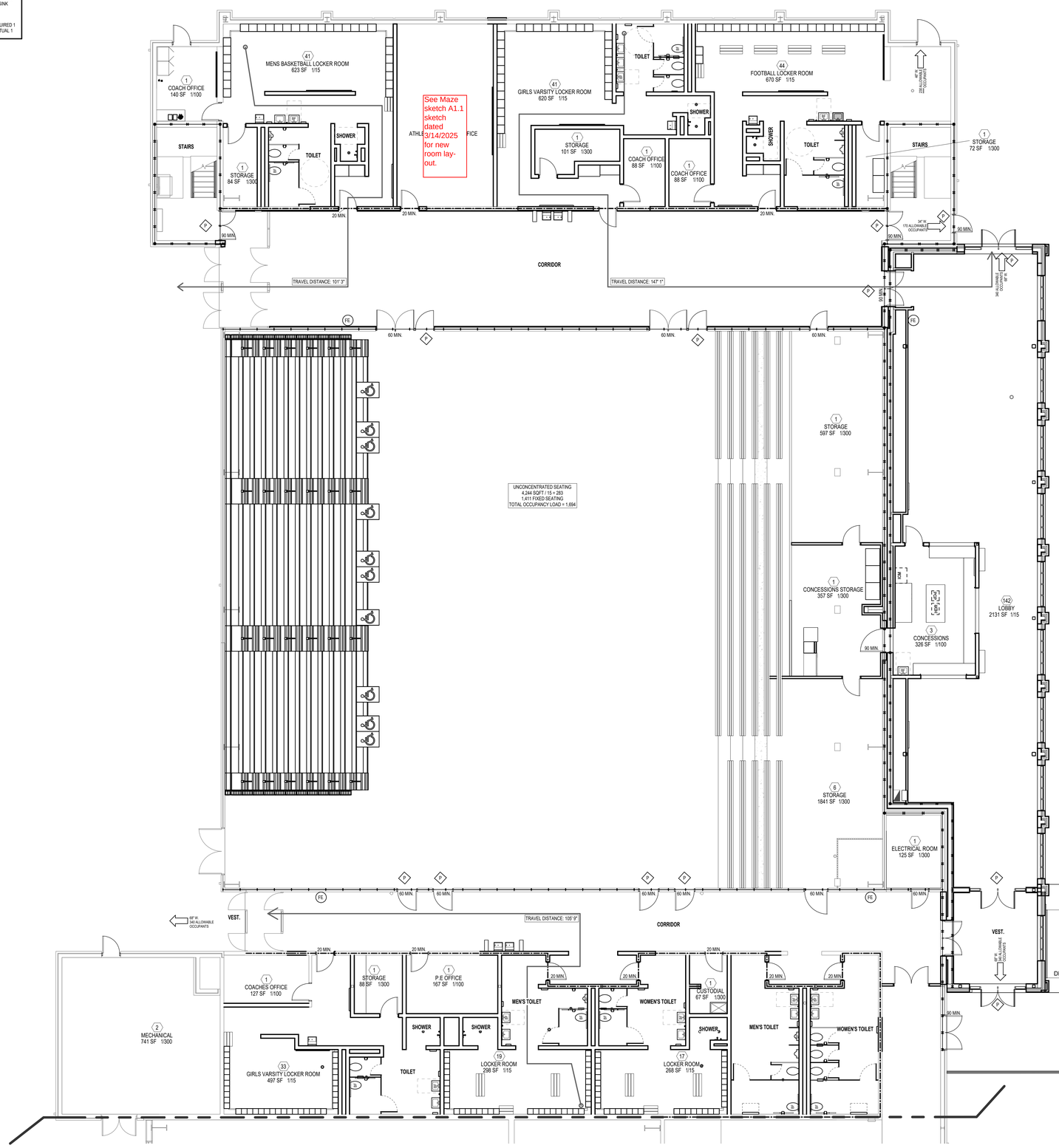
F. SEE REFLECTED CEILING PLANS AND LIGHTING PLANS FOR EXIT SIGNAGE LOCATIONS.

G. ALL EXITS TO BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF KEY OR SPECIAL KNOWLEDGE.

H. ALL ELEVATORS SHALL COMPLY WITH A.D.A., A.D.A.G.G. AND A.N.S.I. REQUIREMENTS.

I. SPECIAL STRUCTURAL INSPECTIONS ARE REQUIRED. REVIEW GENERAL STRUCTURAL NOTES AND SPECIFICATIONS FOR REQUIREMENTS.

J. FIRE SPRINKLERS AND FIRE ALARM SYSTEM SHALL BE PROVIDED PER NFPA NO. 13, 70 & 72. SUBMIT ALL REQUIRED DRAWING AND INFORMATION TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY RELATED WORK. OBTAIN APPROVAL OF COMPLETED SYSTEMS PRIOR TO FINAL ACCEPTANCE.



UNIT 'A' CODE COMPLIANCE PLAN
1/8" = 1'-0"

LIFE SAFETY NOTES

1. CODE: 2012 INDIANA BUILDING CODE
2. CONSTRUCTION TYPE: II (000)
   UN-PROTECTED WITH NO AUTOMATIC FIRE SPRINKLER SYSTEM
   HAZARD OF CONTENTS: ORDINARY HAZARD
3. OCCUPANCY: EDUCATIONAL OCCUPANCY (SPACES SUBJECT TO "ASSEMBLY" OCCUPANCY NOTED ON PLAN)
4. AREA & HEIGHT:
   ALLOWABLE AREA: 14,500 SQ. FT. (REFER TO CALCULATIONS ON SHEET)
   ALLOWABLE HEIGHT: 1 STORY
   SMOKE COMPARTMENTS: MINIMUM OF 2 COMPARTMENTS, MAXIMUM OF 30,000 SQ. FT. EACH
5. SEPARATION & PROTECTION:
   CORRIDORS SHALL BE 1 HR RATED.
   FIRE AREAS: SEPARATED W/ 2-HR FIRE SEPARATION & 90MIN. OPENING PROTECTIVES.
   BOILER & FURNACE ROOMS, STORAGE AREAS, AND CUSTODIAL CLOSETS: 1-HR RATED SEPARATION & OPENING PROTECTIVES WHERE REQUIRED.
6. OCCUPANT LOAD: (BASED ON FOLLOWING - SEE PLAN)
   ASSEMBLY (CONFERENCE, DINING, GYMNASIUM): 1/15 SF NET
   BUSINESS: 1/100 SF GROSS
   CLASSROOMS: 1/20 SF NET
   KITCHENS: 1/100 SF GROSS
   LIBRARIES (READING AREAS): 1/50 SF NET
   LIBRARIES (STACK AREAS): 1/100 SF GROSS
   LOCKERS: 1/7 SF NET, OR 1/15 SF GROSS INCLUDING SHOWERS, TOILETS & DRYING
   MECHANICAL EQUIPMENT: 1/300 SF GROSS
   SHOPS, LABS, VOC. ROOMS: 1/50 SF NET
   STAGES: 1/15 SF NET
   STORAGE: 1/300 SF GROSS
7. EGRESS REQUIREMENTS:
   A. 6'-0" MINIMUM CORRIDOR WIDTH (CORRIDOR CAPACITY = OCCUPANT LOAD/REQUIRED NUMBER OF EXITS)
   B. EGRESS WIDTHS - 0.2" PER PERSON (LEVEL OR RAMPED)
   C. 200' MAXIMUM TRAVEL DISTANCE
   D. 20' DEAD-END MAXIMUM TRAVEL IN CORRIDOR.
   E. 75' MAXIMUM COMMON PATH OF TRAVEL
   F. EXITS:
      (1) 2 REMOTE EXITS REQUIRED FOR EDUCATIONAL SPACES >50 PEOPLE OR >1,000 SQ. FT. IN AREA
      (2) MINIMUM NUMBER PER OCCUPANTS: 2 IF < 501, 3 IF < 1001, 4 IF > 1000
      (3) WINDOWS FOR RESCUE REQUIRED IN BUILDINGS NOT PROTECTED BY AUTOMATIC SPRINKLER SYSTEM
      (4) PANIC HARDWARE AT AREAS >100 OCCUPANT LOAD IF DOOR PROVIDED WITH LATCH OR LOCK.
      (5) DISCHARGE: ALL EXITS SHALL TERMINATE AT A PUBLIC WAY OR AN EXTERIOR EXIT DISCHARGE
   G. HORIZONTAL EXITS:
      (1) SUBSTITUTED FOR NO MORE THAN ONE-HALF OF REQUIRED EXITS
      (2) FIRE BARRIERS SEPARATING BUILDING AREAS WITH HORIZ. EXITS BETWEEN SHALL BE 2-HOUR RATED
      (3) WHERE SERVING BOTH SIDES OF FIRE BARRIER ADJACENT OPENINGS REQUIRED WITH DOORS SWINGING IN OPPOSITE DIRECTIONS
   H. DOORS:
      (1) MINIMUM CLEAR WIDTH SHALL BE 32"
      (2) SIDE HINGED
      (3) SWING IN DIRECTION OF TRAVEL WHERE OCCUPANT LOAD IS > 50
      (4) SELF-CLOSING OR AUTOMATIC-CLOSING IN FIRE BARRIERS AND HORIZONTAL EXITS
8. INTERIOR FINISH:
   A. EXITS - CLASS A
   B. ALL OTHER - CLASS A OR B.
   C. INTERIOR WALL & CEILING FINISH IF LESS THAN 10% OF AGGREGATE WALL & CEILING AREAS OF ANY ROOM MAY BE CLASS C.
9. OTHER PROVISIONS:
   BUILDING CONSTRUCTION - INDIANA BUILDING CODE 2012
   ELECTRICAL - 2023 NFPA 70 (NEC) AS AMENDED BY MICHIGAN PART 8 RULES
   MECHANICAL - INDIANA MECHANICAL CODE 2014
   PLUMBING - INDIANA PLUMBING CODE 2012
   FIRE ALARM SYSTEM - NFPA 70 & 72
   FIRE EXTINGUISHERS - NFPA 10
   FIRE SPRINKLERS - NFPA 13

FIRESTOPPING REQUIREMENT

ALL OPENINGS AROUND MECHANICAL, PLUMBING, ELECTRICAL, AND STRUCTURAL PENETRATIONS THRU A FIRE RESISTIVE RATED ASSEMBLY (INCLUDING FLOORS) SHALL BE SEALED WITH FIRE RATED FIRESTOPPING IN COMPLIANCE WITH ASTM E814 AND EQUIVALENT TO FIRE RATING REQUIRED. PENETRATIONS THRU SMOKE RESISTIVE NON-FIRE RATED ROOM, WALLS SHALL BE SEALED SMOKE TIGHT

LEGEND - CODE COMPLIANCE PLAN

2-HR FW — **FIRE WALLS (IBC SECTION 706)**
CREATE SEPARATE BUILDINGS. 2-HOUR FIRE RESISTANCE RATING, STRUCTURALLY ENGINEERED. 90-MINUTE SELF-CLOSING DOORS. GLAZING ONLY ALLOWED IF DESIGNED AND TESTED AS A WALL. GLAZED OPENINGS ARE PERMITTED IF RATED AS A WALL, PER ASTM E119 AND SECTION 716.2 (IBC) IN MAXIMUM SIZE TESTED.

2-HR FB — **2-HR FIRE BARRIER (IBC SECTION 707 / NFPA 101 - 8.3)**
FIRE BARRIER (2-HOUR FIRE RESISTANCE RATING REQUIRED). INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE. 90-MINUTE SELF-CLOSING DOORS (100 SQUARE INCHES MAXIMUM DOOR VISION PANEL). GLAZED OPENINGS ARE PERMITTED IF 2-HOUR RATED, PER ASTM E119 AND TABLE 716.5 (IBC) AND TABLE 8.3.4.2 (NFPA 101). OPENING SHALL BE LESS THAN 25% OF THE COMMON CORRIDOR WALL PER ROOM.

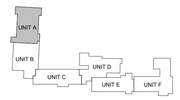
1-HR FB — **1-HR FIRE BARRIER (IBC SECTION 707 / NFPA 101 - 8.3)**
FIRE BARRIER (1-HOUR FIRE RESISTANCE RATING REQUIRED). INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE. OPENING SHALL BE LESS THAN 25% OF THE WALL. OPENING PROTECTIVES DEPEND ON TYPE OF ASSEMBLY PER TABLE 716.5 (IBC) AND TABLE 8.3.4.2 (NFPA 101).

CORRIDOR — **(CORRIDOR) FIRE BARRIER (IBC SECTION 707 / NFPA 101 - 8.3)**
CORRIDOR FIRE BARRIER (1-HOUR FIRE RESISTANCE RATING REQUIRED). INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE. 20-MINUTE SELF-CLOSING DOORS. GLAZED OPENINGS ARE PERMITTED IF 3/4-HOUR RATED, PER ASTM E119 IN THE MAXIMUM SIZE TESTED. OPENING SHALL BE LESS THAN 25% OF THE COMMON CORRIDOR WALL PER ROOM.

1-HR SB — **SMOKE BARRIER (IBC SECTION 709 / NFPA 101 - 8.5)**
SMOKE BARRIER (1-HOUR FIRE RESISTANCE RATING REQUIRED). DIVIDE BUILDING INTO COMPARTMENTS TO RESTRICT MOVEMENT OF SMOKE. INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE 20-MINUTE SELF-CLOSING OR SMOKE ACTIVATED LABEL DOORS. GLAZED OPENINGS ARE PERMITTED IF 3/4-HOUR RATED, PER ASTM E119 IN THE MAXIMUM SIZE TESTED. OPENING SHALL BE LESS THAN 25% OF THE COMMON CORRIDOR WALL PER ROOM.

SMOKE SP — **SMOKE PARTITION (IBC SECTION 710 / NFPA 101 - 8.4)**
SMOKE PARTITION (NO FIRE RESISTANCE RATING) FROM FLOOR SLAB TIGHT TO ROOF DECK OR SOLID CEILING ABOVE. GLAZED OPENINGS ARE PERMITTED (NO RATING REQUIRED) "PER NFPA 101 14.3.6(2)(B) SELF-CLOSING DOORS PER 8.4.3.5 ARE NOT REQUIRED FOR NORMALLY OCCUPIED CLASSROOMS"

64" W. — BUILDING EXIT WITH EGRESS WIDTH
46 — OCCUPANT LOAD
20 — DENOTES FIRE RESISTANCE RATING OF OPENING PROTECTIVE (IN MINUTES)
P — DENOTES PANIC HARDWARE DEVICE ON EACH DOOR LEAF
FE — FIRE EXTINGUISHER
"ACCESSIBLE" ROUTE/ENTRANCE/EGRESS
E — EGRESS WINDOW LOCATION
NOT IN SCOPE



KEYPLAN

gmb
Maze Design, Inc.

DAVID MICHAEL BOLT · REGISTERED · No. AR11500077 · STATE OF INDIANA · ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

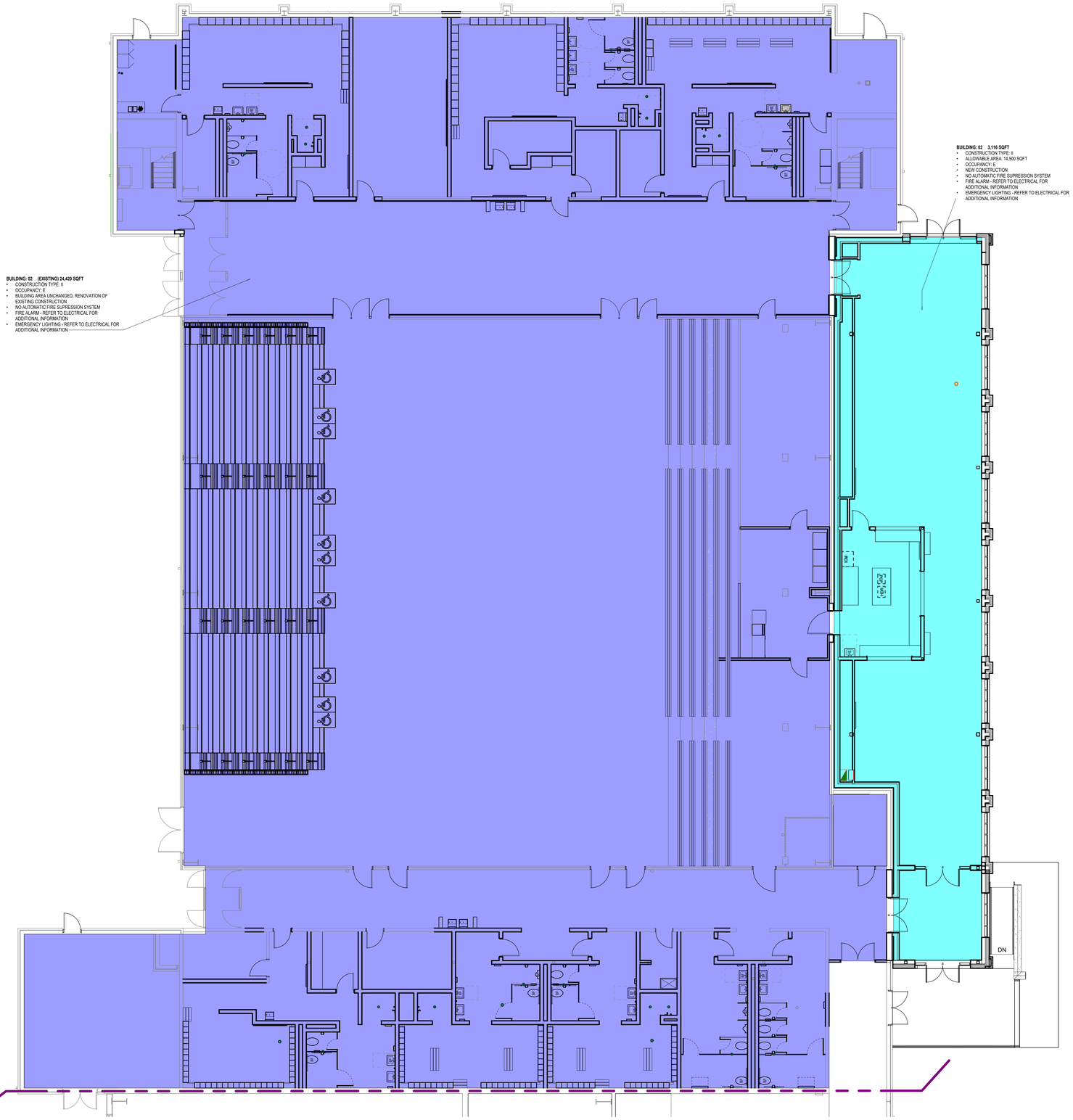
ISSUANCES
01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

DRAWN NCB
REVIEWED AGS

PROJECT NO. 5-6394

UNIT 'A' CODE COMPLIANCE PLAN

G1.1A



LIFE SAFETY NOTES

1. CODE: 2012 INDIANA BUILDING CODE
2. CONSTRUCTION TYPE: II (000)
   UN-PROTECTED WITH NO AUTOMATIC FIRE SPRINKLER SYSTEM
   HAZARD OF CONTENTS: ORDINARY HAZARD
3. OCCUPANCY: EDUCATIONAL OCCUPANCY (SPACES SUBJECT TO "ASSEMBLY" OCCUPANCY NOTED ON PLAN)
4. AREA & HEIGHT:
   ALLOWABLE AREA: 14,500 SQ. FT. (REFER TO CALCULATIONS ON SHEET)
   ALLOWABLE HEIGHT: 1 STORY
   SMOKE COMPARTMENTS: MINIMUM OF 2 COMPARTMENTS, MAXIMUM OF 30,000 SQ. FT. EACH
5. SEPARATION & PROTECTION:
   CORRIDORS SHALL BE 1 HR RATED.
   FIRE AREAS: SEPARATED W/ 2-HR FIRE SEPARATION & 90MIN. OPENING PROTECTIVES.
   BOILER & FURNACE ROOMS, STORAGE AREAS, AND CUSTODIAL CLOSETS: 1-HR RATED SEPARATION & OPENING PROTECTIVES WHERE REQUIRED.
6. OCCUPANT LOAD: (BASED ON FOLLOWING - SEE PLAN)
   ASSEMBLY (CONFERENCE, DINING, GYMNASIUM): 1/15 SF NET
   BUSINESS: 1/100 SF GROSS
   CLASSROOMS: 1/20 SF NET
   KITCHENS: 1/100 SF GROSS
   LIBRARIES (READING AREAS): 1/50 SF NET
   LIBRARIES (STACK AREAS): 1/100 SF GROSS
   LOCKERS: 1/7 SF NET, OR 1/15 SF GROSS INCLUDING SHOWERS, TOILETS & DRYING
   MECHANICAL EQUIPMENT: 1/300 SF GROSS
   SHOPS, LABS, VOC. ROOMS: 1/50 SF NET
   STAGES: 1/15 SF NET
   STORAGE: 1/300 SF GROSS
7. EGRESS REQUIREMENTS:
   A. 6'-0" MINIMUM CORRIDOR WIDTH (CORRIDOR CAPACITY = OCCUPANT LOAD/REQUIRED NUMBER OF EXITS)
   B. EGRESS WIDTHS - 0.2" PER PERSON (LEVEL OR RAMPED)
   C. 200' MAXIMUM TRAVEL DISTANCE
   D. 20' DEAD-END MAXIMUM TRAVEL IN CORRIDOR.
   E. 75' MAXIMUM COMMON PATH OF TRAVEL
   F. EXITS:
      (1) 2 REMOTE EXITS REQUIRED FOR EDUCATIONAL SPACES >50 PEOPLE OR >1,000 SQ. FT. IN AREA
      (2) MINIMUM NUMBER PER OCCUPANTS: 2 IF < 501, 3 IF < 1001, 4 IF > 1000
      (3) WINDOWS FOR RESCUE REQUIRED IN BUILDINGS NOT PROTECTED BY AUTOMATIC SPRINKLER SYSTEM
      (4) PANIC HARDWARE AT AREAS >100 OCCUPANT LOAD IF DOOR PROVIDED WITH LATCH OR LOCK.
      (5) DISCHARGE: ALL EXITS SHALL TERMINATE AT A PUBLIC WAY OR AN EXTERIOR EXIT DISCHARGE
   G. HORIZONTAL EXITS:
      (1) SUBSTITUTED FOR NO MORE THAN ONE-HALF OF REQUIRED EXITS
      (2) FIRE BARRIERS SEPARATING BUILDING AREAS WITH HORIZ. EXITS BETWEEN SHALL BE 2-HOUR RATED
      (3) WHERE SERVING BOTH SIDES OF FIRE BARRIER ADJACENT OPENINGS REQUIRED WITH DOORS SWINGING IN OPPOSITE DIRECTIONS
   H. DOORS:
      (1) MINIMUM CLEAR WIDTH SHALL BE 32"
      (2) SIDE HINGED
      (3) SWING IN DIRECTION OF TRAVEL WHERE OCCUPANT LOAD IS > 50
      (4) SELF-CLOSING OR AUTOMATIC-CLOSING IN FIRE BARRIERS AND HORIZONTAL EXITS
8. INTERIOR FINISH:
   A. EXITS - CLASS A
   B. ALL OTHER - CLASS A OR B.
   C. INTERIOR WALL & CEILING FINISH IF LESS THAN 10% OF AGGREGATE WALL & CEILING AREAS OF ANY ROOM MAY BE CLASS C.
9. OTHER PROVISIONS:
   BUILDING CONSTRUCTION - INDIANA BUILDING CODE 2012
   ELECTRICAL - 2023 NFPA 70 (NEC) AS AMENDED BY MICHIGAN PART 8 RULES
   MECHANICAL - INDIANA MECHANICAL CODE 2014
   PLUMBING - INDIANA PLUMBING CODE 2012
   FIRE ALARM SYSTEM - NFPA 70 & 72
   FIRE EXTINGUISHERS - NFPA 10
   FIRE SPRINKLERS - NFPA 13

FIRESTOPPING REQUIREMENT

ALL OPENINGS AROUND MECHANICAL, PLUMBING, ELECTRICAL, AND STRUCTURAL PENETRATIONS THRU A FIRE RESISTIVE RATED ASSEMBLY (INCLUDING FLOORS) SHALL BE SEALED WITH FIRE RATED FIRESTOPPING IN COMPLIANCE WITH ASTM E814 AND EQUIVALENT TO FIRE RATING REQUIRED. PENETRATIONS THRU SMOKE RESISTIVE NON-FIRE RATED ROOM, WALLS SHALL BE SEALED SMOKE TIGHT

LEGEND - CODE COMPLIANCE PLAN

2-HR FW — **FIRE WALLS (IBC SECTION 706)**
CREATE SEPARATE BUILDINGS. 2-HOUR FIRE RESISTANCE RATING, STRUCTURALLY ENGINEERED. 90-MINUTE SELF-CLOSING DOORS. GLAZING ONLY ALLOWED IF DESIGNED AND TESTED AS A WALL. GLAZED OPENINGS ARE PERMITTED IF RATED AS A WALL, PER ASTM E119 AND SECTION 716.2 (IBC) IN MAXIMUM SIZE TESTED.

2-HR FB — **2-HR FIRE BARRIER (IBC SECTION 707 / NFPA 101 - 8.3)**
FIRE BARRIER (2-HOUR FIRE RESISTANCE RATING REQUIRED). INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE. 90-MINUTE SELF-CLOSING DOORS (100 SQUARE INCHES MAXIMUM DOOR VISION PANEL). GLAZED OPENINGS ARE PERMITTED IF 2-HOUR RATED, PER ASTM E119 AND TABLE 716.5 (IBC) AND TABLE 8.3.4.2 (NFPA 101). OPENING SHALL BE LESS THAN 25% OF THE COMMON CORRIDOR WALL PER ROOM.

1-HR FB — **1-HR FIRE BARRIER (IBC SECTION 707 / NFPA 101 - 8.3)**
FIRE BARRIER (1-HOUR FIRE RESISTANCE RATING REQUIRED). INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE. OPENING SHALL BE LESS THAN 25% OF THE WALL. OPENING PROTECTIVES DEPEND ON TYPE OF ASSEMBLY PER TABLE 716.5 (IBC) AND TABLE 8.3.4.2 (NFPA 101).

CORRIDOR — **(CORRIDOR) FIRE BARRIER (IBC SECTION 707 / NFPA 101 - 8.3)**
CORRIDOR FIRE BARRIER (1-HOUR FIRE RESISTANCE RATING REQUIRED). INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE. 20-MINUTE SELF-CLOSING DOORS. GLAZED OPENINGS ARE PERMITTED IF 3/4-HOUR RATED, PER ASTM E119 IN THE MAXIMUM SIZE TESTED. OPENING SHALL BE LESS THAN 25% OF THE COMMON CORRIDOR WALL PER ROOM.

1-HR SB — **SMOKE BARRIER (IBC SECTION 709 / NFPA 101 - 8.5)**
SMOKE BARRIER (1-HOUR FIRE RESISTANCE RATING REQUIRED). DIVIDE BUILDING INTO COMPARTMENTS TO RESTRICT MOVEMENT OF SMOKE. INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE 20-MINUTE SELF-CLOSING OR SMOKE ACTIVATED LABEL DOORS. GLAZED OPENINGS ARE PERMITTED IF 3/4-HOUR RATED, PER ASTM E119 IN THE MAXIMUM SIZE TESTED. OPENING SHALL BE LESS THAN 25% OF THE COMMON CORRIDOR WALL PER ROOM.

SMOKE SP — **SMOKE PARTITION (IBC SECTION 710 / NFPA 101 - 8.4)**
SMOKE PARTITION (NO FIRE RESISTANCE RATING) FROM FLOOR SLAB TIGHT TO ROOF DECK OR SOLID CEILING ABOVE. GLAZED OPENINGS ARE PERMITTED (NO RATING REQUIRED) "PER NFPA 101 14.3.6(2)(B) SELF-CLOSING DOORS PER 8.4.3.5 ARE NOT REQUIRED FOR NORMALLY OCCUPIED CLASSROOMS"

64" W. — BUILDING EXIT WITH EGRESS WIDTH

46 — OCCUPANT LOAD

20 — DENOTES FIRE RESISTANCE RATING OF OPENING PROTECTIVE (IN MINUTES)

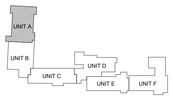
P — DENOTES PANIC HARDWARE DEVICE ON EACH DOOR LEAF

FE — FIRE EXTINGUISHER

"ACCESSIBLE" ROUTE/ENTRANCE/EGRESS

E — EGRESS WINDOW LOCATION

NOT IN SCOPE



KEYPLAN

UNIT 'A' CODE COMPLIANCE PLAN - BUILDIING SEPERATION
1/8" = 1'-0"

gmb
Maze Design, Inc.
DAVID MICHAEL BOLT REGISTERED No. AR11500077 STATE OF INDIANA ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES
01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

DRAWN NCB
REVIEWED AGS

PROJECT NO. 5-6394

UNIT 'A' CODE COMPLIANCE PLAN - BUILDIING SEPERATION (ADDED BUL. 001)

G1.2A

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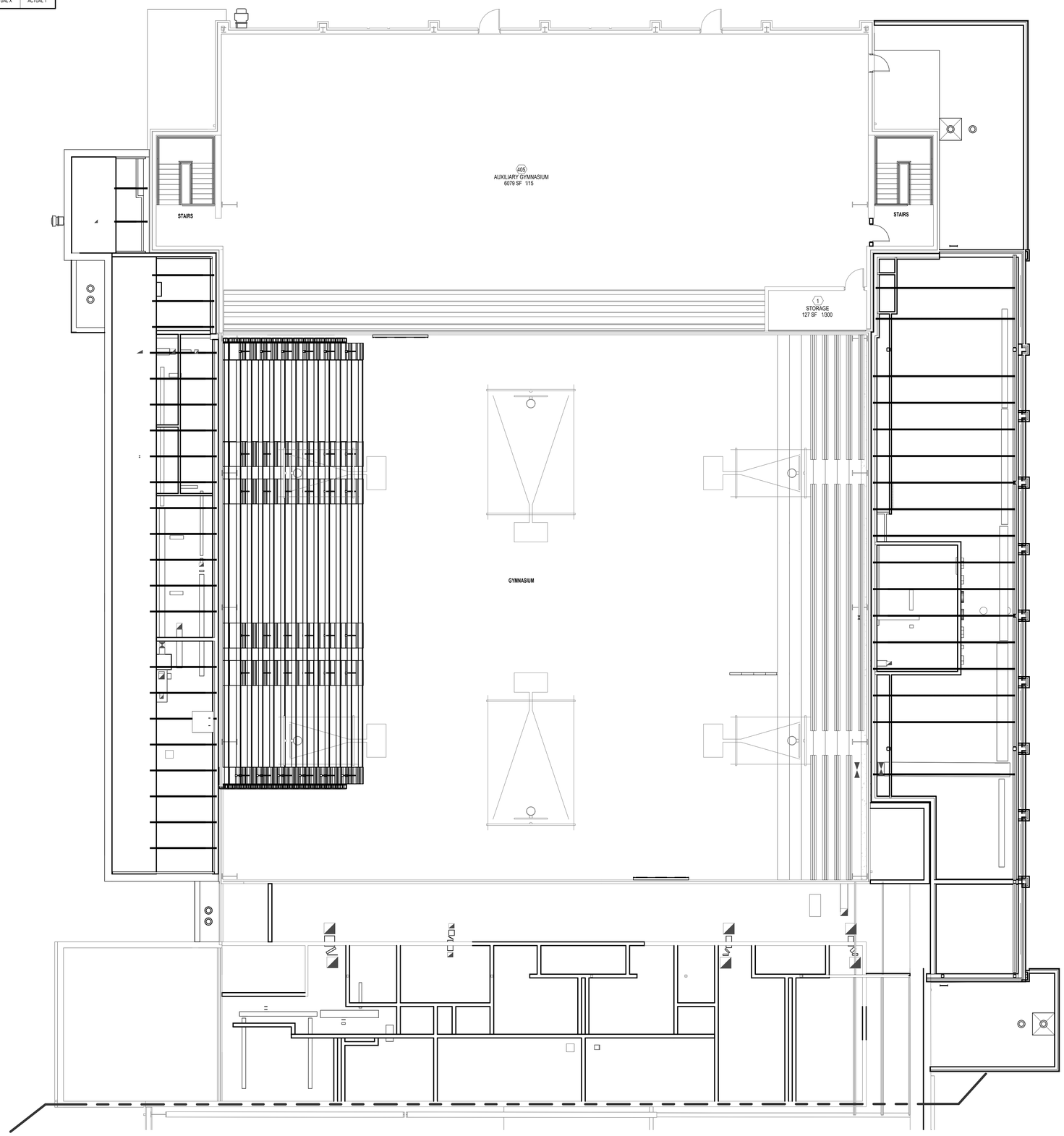
PLUMBING FIXTURE COUNTS

NO.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
				MALE	FEMALE	MALE	FEMALE		
1	ASSEMBLY (1,694 OCCUPANTS)	A-4	GYM WITH SPECTATOR SEATING	1 PER 75 REQUIRED 12 ACTUAL 23 4 ADDITIONAL B.F. UNISEX	1 PER 40 REQUIRED 22 ACTUAL 20	1 PER 200 REQUIRED 5 ACTUAL 12 1 ADDITIONAL B.F. UNISEX	1 PER 150 REQUIRED 6 ACTUAL 11	1 PER 1000 REQUIRED 2 ACTUAL X	1 SERVICE SINK REQUIRED 1 ACTUAL 1
3	EDUCATIONAL (300 STUDENTS XX STAFF)	E	EDUCATIONAL FACILITIES	1 PER 50 REQUIRED 4 ACTUAL 10 1 ADDITIONAL B.F. UNISEX	1 PER 50 REQUIRED 4 ACTUAL 7	1 PER 50 REQUIRED 4 ACTUAL 6 2 ADDITIONAL B.F. UNISEX	1 PER 50 REQUIRED 4 ACTUAL 7	1 PER 100 REQUIRED 4 ACTUAL X	1 SERVICE SINK REQUIRED 1 ACTUAL 1



UNIT 'A' SECOND FLOOR CODE COMPLIANCE PLAN
1/8" = 1'-0"

LIFE SAFETY NOTES

1. CODE: NFPA 101, 2012 LIFE SAFETY CODE, AS AMENDED BY STATE FIRE MARSHAL
   2012 INDIANA BUILDING CODE
2. CONSTRUCTION TYPE: II (000)
   UN-PROTECTED WITH AUTOMATIC FIRE SPRINKLER SYSTEM
   HAZARD OF CONTENTS: ORDINARY HAZARD
3. OCCUPANCY: EDUCATIONAL OCCUPANCY (SPACES SUBJECT TO "ASSEMBLY" OCCUPANCY NOTED ON PLAN)
4. AREA & HEIGHT:
   ALLOWABLE AREA: 142,672 SQ. FT. (REFER TO CALCULATIONS ON SHEET)
   ALLOWABLE HEIGHT: 1 STORY
   SMOKE COMPARTMENTS: MINIMUM OF 2 COMPARTMENTS, MAXIMUM OF 30,000 SQ. FT. EACH
5. SEPARATION & PROTECTION:
   CORRIDORS SHALL BE SMOKE TIGHT.
   FIRE AREAS SEPARATED W/ 2-HR FIRE SEPARATION & 90-MIN. OPENING PROTECTIVES.
   BOILER & FURNACE ROOMS, STORAGE AREAS, AND CUSTODIAL CLOSETS: 1-HR RATED SEPARATION & OPENING PROTECTIVES WHERE REQUIRED.
6. OCCUPANT LOAD: (BASED ON FOLLOWING - SEE PLAN)
   ASSEMBLY (CONFERENCE, DINING, GYMNASIUM): 1/15 SF NET
   BUSINESS: 1/100 SF GROSS
   CLASSROOMS: 1/20 SF NET
   KITCHENS: 1/100 SF GROSS
   LIBRARIES (READING AREAS): 1/50 SF NET
   LIBRARIES (STACK AREAS): 1/100 SF GROSS
   LOCKERS: 1/7 SF NET, OR 1/15 SF GROSS INCLUDING SHOWERS, TOILETS & DRYING
   MECHANICAL EQUIPMENT: 1/300 SF GROSS
   SHOPS, LABS, VOC. ROOMS: 1/50 SF NET
   STAGES: 1/15 SF NET
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7. EGRESS REQUIREMENTS:
   A. 6'-0" MINIMUM CORRIDOR WIDTH (CORRIDOR CAPACITY = OCCUPANT LOAD/REQUIRED NUMBER OF EXITS)
   B. EGRESS WIDTHS - 0.2" PER PERSON (LEVEL OR RAMPED)
   C. 200' MAXIMUM TRAVEL DISTANCE
   D. 20' DEAD-END MAXIMUM TRAVEL IN CORRIDOR.
   E. 75' MAXIMUM COMMON PATH OF TRAVEL
   F. EXITS:
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      (4) PANIC HARDWARE AT AREAS >100 OCCUPANT LOAD IF DOOR PROVIDED WITH LATCH OR LOCK.
      (5) DISCHARGE: ALL EXITS SHALL TERMINATE AT A PUBLIC WAY OR AN EXTERIOR EXIT DISCHARGE
   G. HORIZONTAL EXITS:
      (1) SUBSTITUTED FOR NO MORE THAN ONE-HALF OF REQUIRED EXITS
      (2) FIRE BARRIERS SEPARATING BUILDING AREAS WITH HORIZ. EXITS BETWEEN SHALL BE 2-HOUR RATED
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FIRE BARRIER (1-HOUR FIRE RESISTANCE RATING REQUIRED). INSTALL FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE. OPENING SHALL BE LESS THAN 25% OF THE WALL. OPENING PROTECTIVES DEPEND ON TYPE OF ASSEMBLY PER TABLE 716.5 (IBC) AND TABLE 8.3.4.2 (NFPA 101).

CORRIDOR — **(CORRIDOR) FIRE BARRIER (IBC SECTION 707 / NFPA 101 - 8.3)**
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64" W. — BUILDING EXIT WITH EGRESS WIDTH

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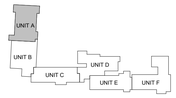
P — DENOTES PANIC HARDWARE DEVICE ON EACH DOOR LEAF

FE — FIRE EXTINGUISHER

"ACCESSIBLE" ROUTE/ENTRANCE/EGRESS

E — EGRESS WINDOW LOCATION

NOT IN SCOPE



KEYPLAN

gmb
Maze Design, Inc.

DAVID MICHAEL BOLT · REGISTERED · No. AR11500077 · STATE OF INDIANA · ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

DRAWN NCB
REVIEWED AGS

PROJECT NO. 5-6394

UNIT 'A' SECOND FLOOR CODE COMPLIANCE PLAN

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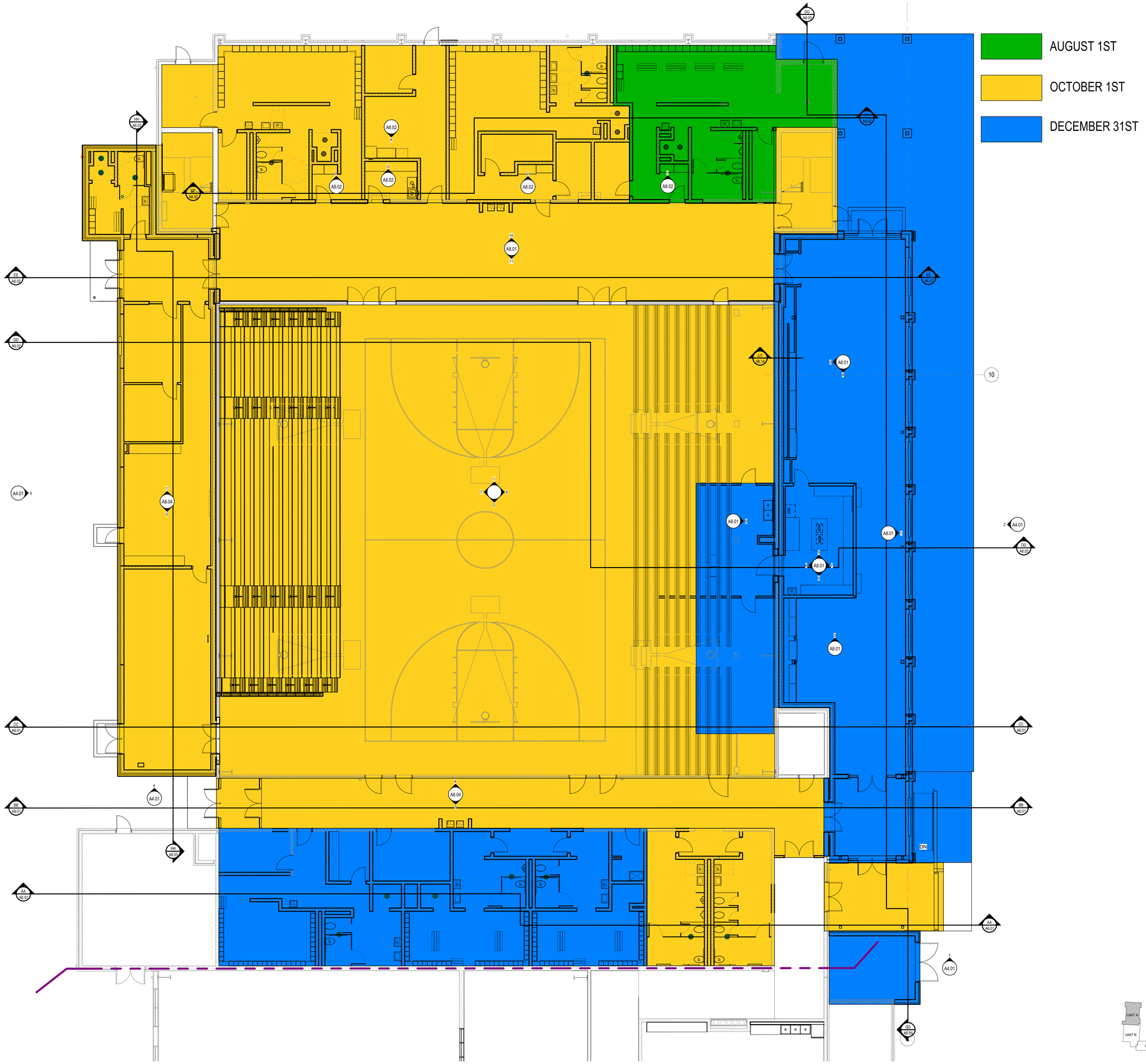
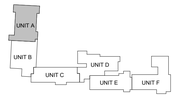


FIRST FLOOR PHASING PLAN
1/8" = 1'-0"



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WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

DRAWN NCB
REVIEWED AGS

PROJECT NO. 5-6394

FIRST FLOOR PHASING PLAN

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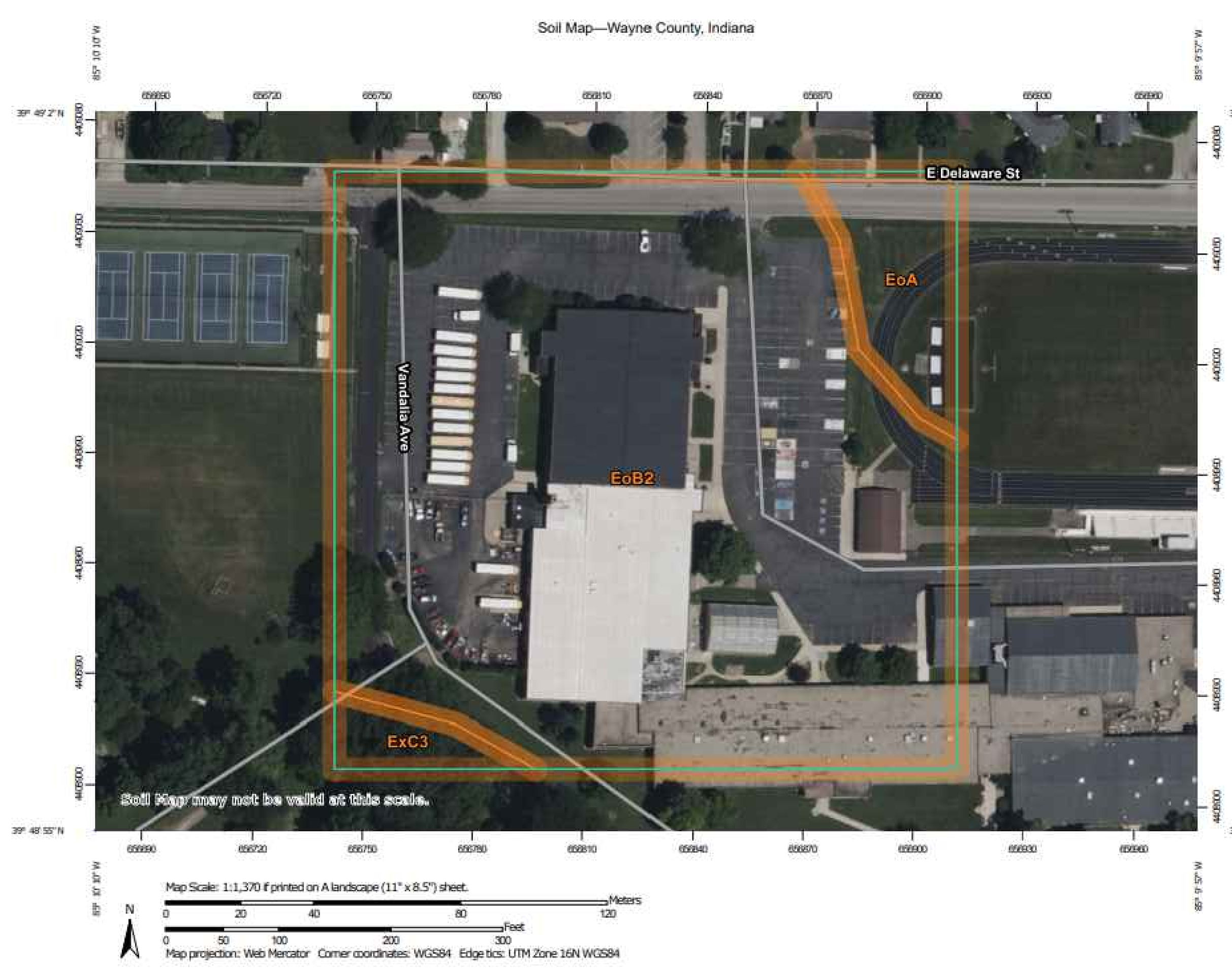


Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
EoA	Eldean loam, 0 to 2 percent slopes	0.5	7.0%
EoB2	Eldean loam, 2 to 6 percent slopes, eroded	6.2	90.5%
ExC3	Eldean clay loam, 6 to 18 percent slopes, severely eroded	0.2	2.5%
Totals for Area of Interest		**6.8**	**100.0%**

SOILS MAP

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND FEDERAL AGENCIES PRIOR TO STARTING CONSTRUCTION.
2. CONTRACTOR SHALL VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING SEWERS PRIOR TO START OF CONSTRUCTION.
3. CONTRACTOR SHALL MAINTAIN A COMPLETE AND OPERABLE UTILITY SYSTEM AT ALL TIMES.
4. CONTRACTOR SHALL INCLUDE COSTS FOR CUTTING AND PATCHING AS REQUIRED IN THEIR BID PROPOSAL TO COMPLETELY INSTALL THE WORK INDICATED.
5. CONTRACTOR SHALL INCLUDE ALL TAP FEES, PERMIT FEES AND APPLICATION FEES IN THEIR BID PROPOSAL AS NECESSARY TO COMPLETELY INSTALL THE WORK INDICATED.
6. INFORMATION SHOWN WAS OBTAINED FROM AN OWNER FURNISHED SITE SURVEY OF EXISTING CONDITIONS AND IS UNCONFIRMED. CONTRACTOR IS REQUIRED TO FIELD VERIFY THIS INFORMATION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES SO MODIFICATION CAN BE MADE.
7. CONTRACTOR SHALL COORDINATE EXACT UTILITY LOCATIONS WITH THE OWNER AND LOCAL UTILITY COMPANIES PRIOR TO COMMENCING ANY WORK. UTILIZE THE INDIANA UNDERGROUND UTILITY LOCATION SERVICE AT 811 OR 800-382-5544 PRIOR TO ANY EXCAVATION ON THE SITE.

SITE SYMBOLS AND ABBREVIATIONS

REFER TO SHEET ES1 FOR EXISTING SURVEY SYMBOLS AND ABBREVIATIONS

678 NEW CONTOUR LINE
123.45 NEW SPOT ELEVATION
123.45 / 123.45 TOP OF NEW CURB / CURB GUTTER
BOLLARD
CO CLEANOUT
DS DOWNSPOUT
AD AREA DRAIN
SAN NEW UTILITY
(RCP) PIPE MATERIAL
FDC FIRE DEPARTMENT CONNECTION
GM GAS METER
E ELECTRIC MANHOLE

INV. 123.45 INVERT ELEVATION
STR- NEW STRUCTURE
CONSTRUCTION LIMIT LINE
SWALE
DIRECTION OF FLOW
NEW UTILITY TO EXISTING UTILITY
VALVE
FENCE
FH FIRE HYDRANT
FLAG POLE
TEE
T TRANSFORMER
PIV POST INDICATOR VALVE
ACCESSIBLE PARKING SYMBOL

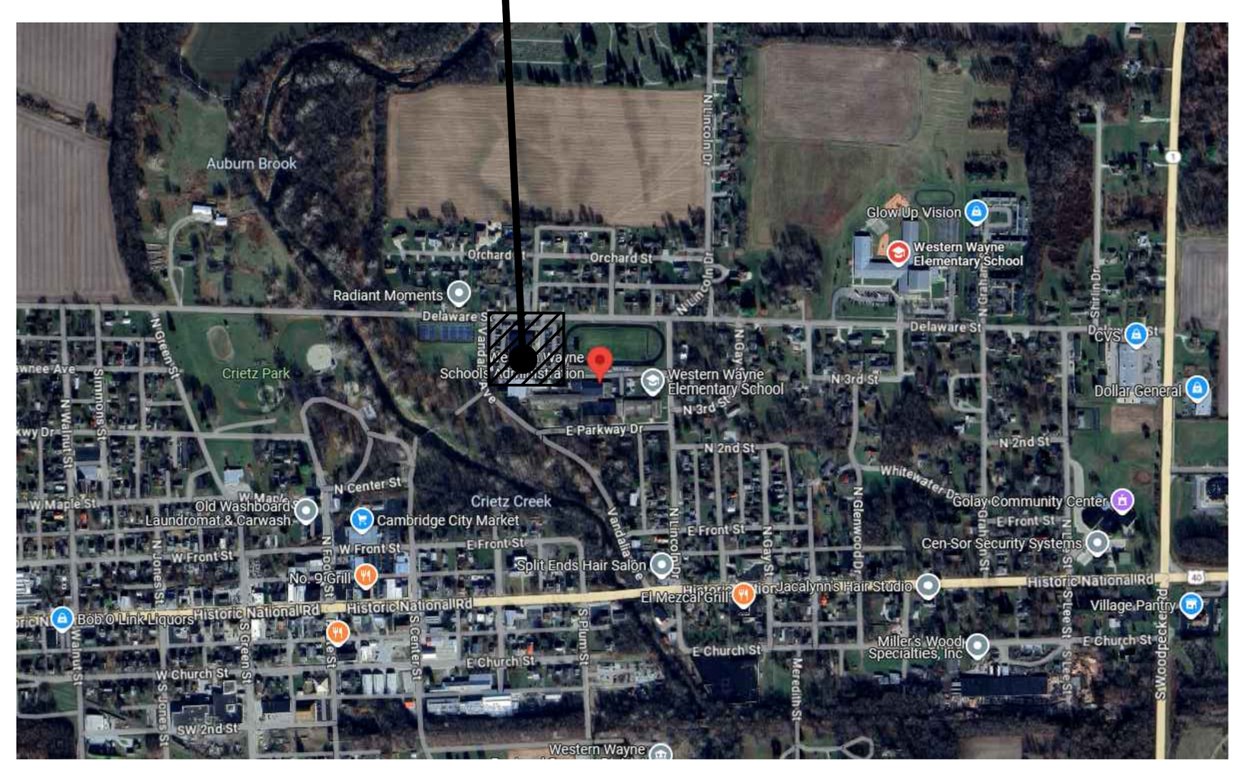
LIGHTED BOLLARD
HELIPAD LIGHT
LIGHT POLE BASE
POWER POLE
SEWER STRUCTURE
STORM INLET
W WATER METER
END SECTION
WIND SOCK
SIGN
HANDHOLE/PULL BOX
PARKING BUMPER
ADA RAMP

AD - AREA DRAIN
BW - BOTTOM OF WALL
CB - CATCH BASIN
CO - CLEANOUT
DIP - DUCTILE IRON PIPE
DS - DOWNSPOUT
E - ELECTRIC
EG - EXISTING GRADE
EX - EXISTING
FDC - FIRE DEPARTMENT CONNECTION
FH - FIRE HYDRANT
G - GAS
ST - STEAM
CWS - CHILLED WATER SUPPLY

HDPE - HIGH DENSITY POLYETHYLENE PIPE
ME - MATCH EXISTING
INV - INVERT ELEVATION
MH - MANHOLE
O/H - OVERHEAD
PIV - POST INDICATOR VALVE
PVC - POLYVINYL CHLORIDE PIPE
RCP - REINFORCED CONCRETE PIPE
SAN - SANITARY SEWER
STM - STORM SEWER
T - TELEPHONE
TOC - TOP OF CASTING ELEVATION
CWR - CHILLED WATER RETURN

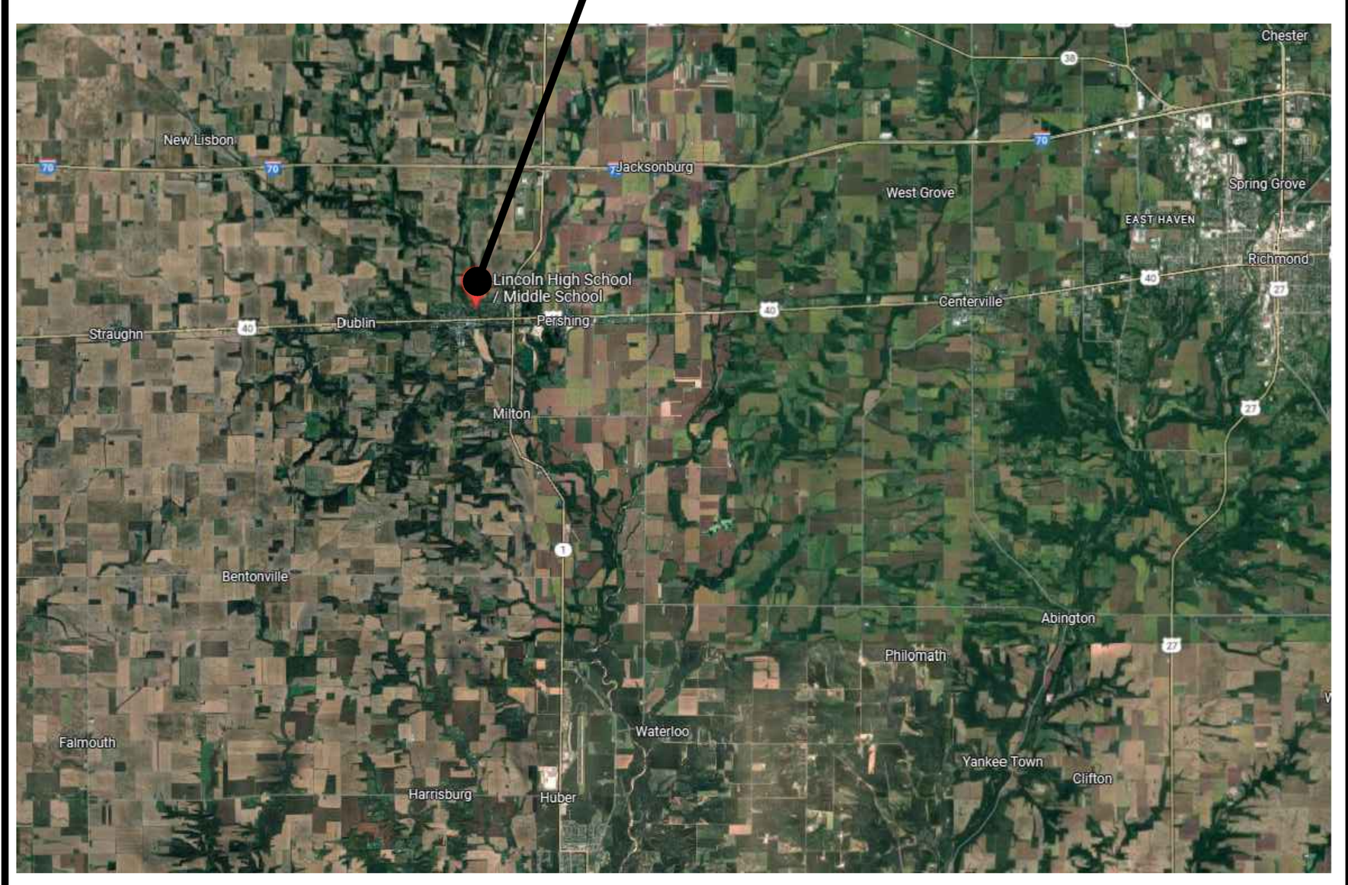
TW - TOP OF WALL
(TYP) - TYPICAL
U/G - UNDERGROUND
W - WATER
WV - WATER VALVE
C - CONDUIT
COMM - COMMUNICATION/ FIBER OPTICS
GV - GAS VALVE
HP - HIGH POINT
LP - LOW POINT

PROJECT SITE

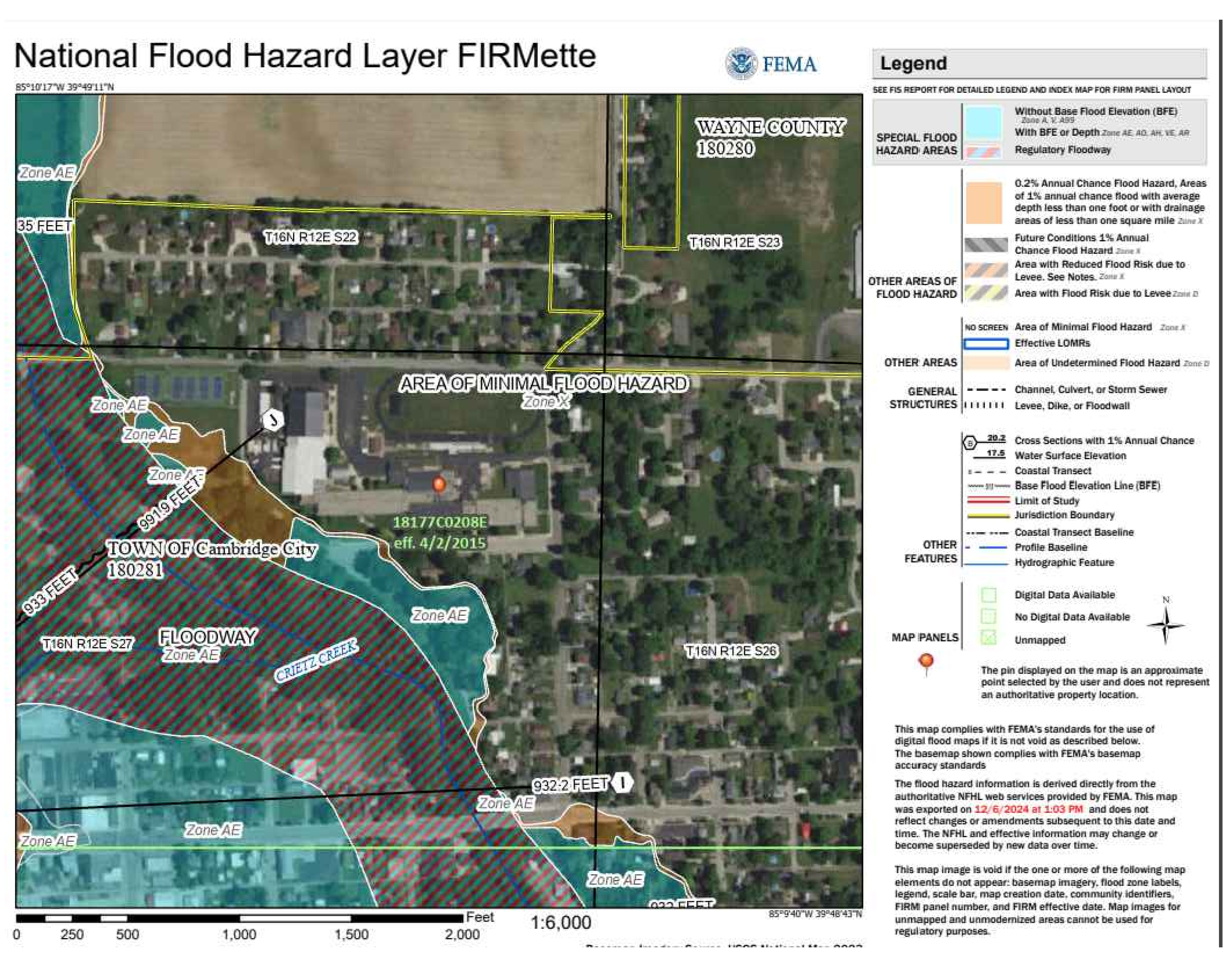


LOCATION MAP

PROJECT SITE



VICINITY MAP



FLOOD MAP

gmb
Maze
Design, Inc.

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1
WESTERN WAYNE SCHOOLS
CAMBRIDGE CITY, INDIANA

ISSUANCES
01.06.2025 BIDS & CONSTRUCTION

DRAWN CLM
REVIEWED ADS
PROJECT NO. 5-6394

PROJECT INFORMATION SHEET
C0.00

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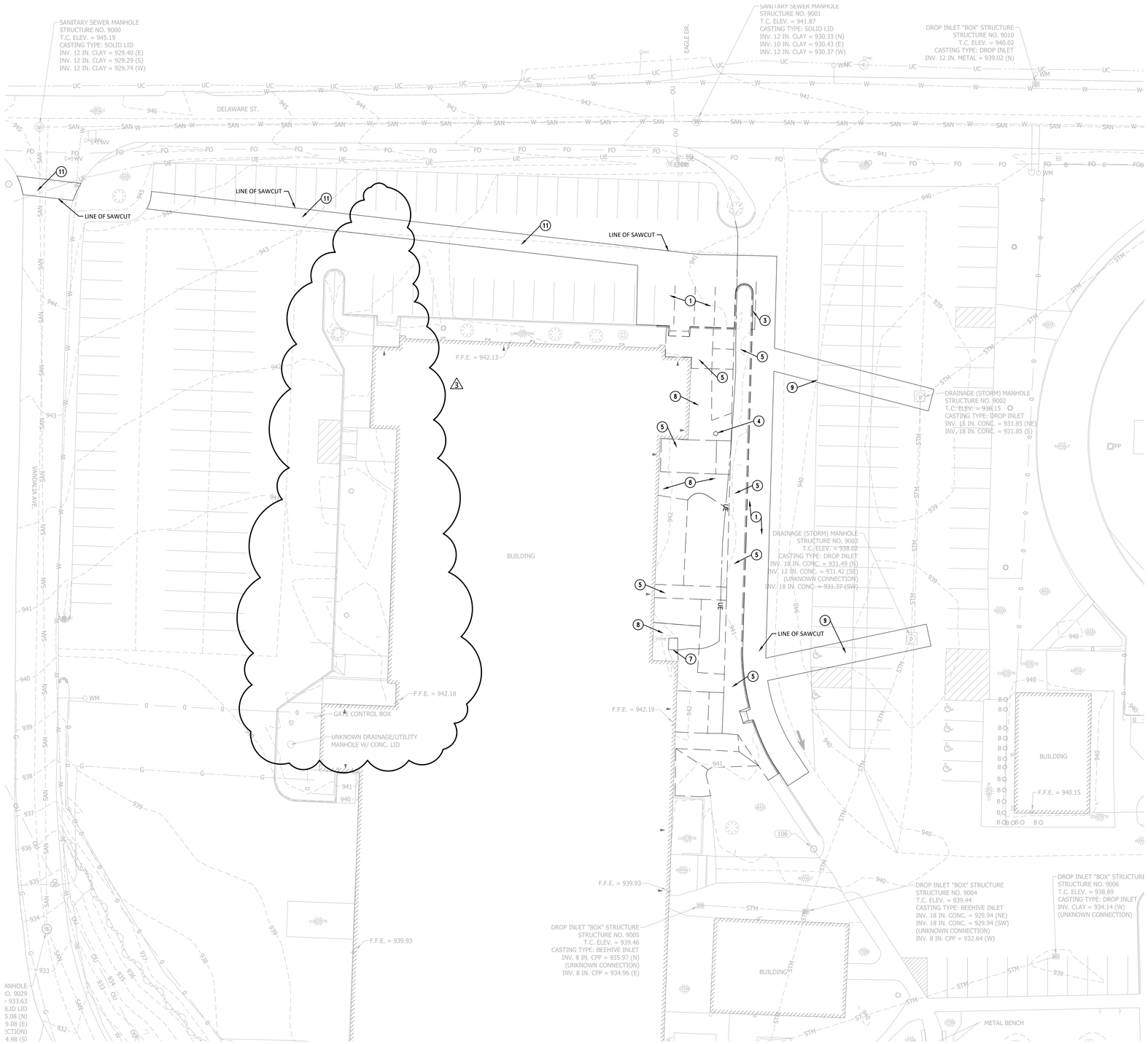

PLAN NOTES

1. REMOVE EXISTING ASPHALT PAVEMENT COMPLETE. MAKE STRAIGHT SAW-CUT AT TERMINATION.
2. NOT USED.
3. REMOVE EXISTING CONCRETE WALK AND CURB COMPLETE. MAKE STRAIGHT SAW-CUT AT NEXT ADJACENT JOINT.
4. REMOVE EXISTING PLANTINGS COMPLETE.
5. REMOVE EXISTING CONCRETE WALK COMPLETE.
6. NOT USED △3
7. RELOCATE TRANSFORMER.
8. REMOVE GRAVEL.
9. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT AS NEEDED TO INSTALL STORM SEWER LINE. PATCH ASPHALT AND RESTORE AREA BACK TO ORIGINAL CONDITION AFTER STORM LINE IN INSTALLED AND OPERATIONAL.
10. NOT USED. △3
11. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT AS NEEDED TO INSTALL ELECTRICAL LINE. PATCH ASPHALT AND RESTORE AREA BACK TO ORIGINAL CONDITION AFTER ELECTRICAL LINE IS INSTALLED AND OPERATIONAL.

0 20 40 FEET
SCALE:1"=20'

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

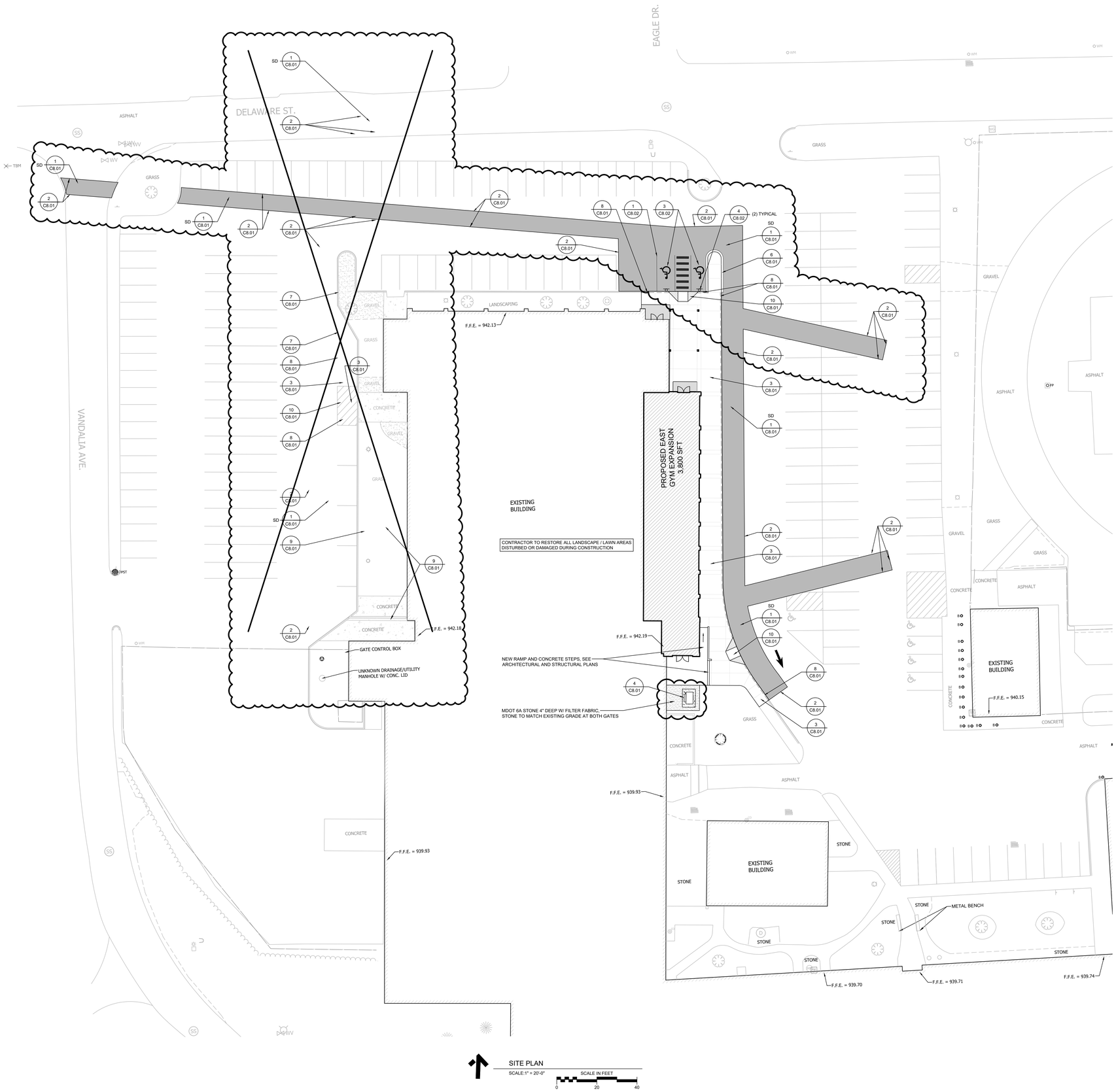
01.06.2025	BIDS & CONSTRUCTION	
1	01.16.2025	ADDENDUM #1
2	01.22.2025	ADDENDUM #2
3	03.19.2025	BULLETIN #1

DRAWN CLM
REVIEWED ADS

PROJECT NO. 5-6394

SITE DEMOLITION SHEET

C1.01



SITE PLAN

SCALE:1" = 20'-0"

SCALE IN FEET

0 20 40

GENERAL NOTES:

1. DO NOT BURY ANY DEBRIS, ROOTS, TOPSOIL OR OTHER MATERIALS.
2. PROPOSED WORK TO COMPLY WITH ALL APPLICABLE REGULATIONS AND REQUIREMENTS; RELATED LOCAL, COUNTY AND STATE CODES AND ORDINANCES; AND APPLICABLE ACCIDENT AND FIRE PROTECTION REGULATIONS.
3. PROTECT THE SITE, ADJACENT PROPERTY AND UTILITY SERVICES FROM DAMAGE OR DISRUPTION OF SERVICE/ACCESS. DAMAGE TO EXISTING STRUCTURE, SITE OR UTILITIES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
4. ALL TREES TO REMAIN SHALL BE CAREFULLY PROTECTED. DO NOT DRIVE HEAVY EQUIPMENT WITHIN THE TREE'S DRIP LINE OR 12 FT OF TREE TRUNKS, WHICHEVER IS GREATER. BRANCHES WHICH ARE DAMAGED DURING DEMOLITION OF STRUCTURES AND/OR SURFACES SHALL BE CUT OUT AS DIRECTED BY THE ARCHITECT/ENGINEER. ANY ROOTS OF TREES BEING SAVED WHICH ARE EXPOSED DUE TO DEMOLITION/REMOVAL SHALL BE COVERED WITHIN 6 HOURS WITH SOIL. DAMAGED TREES MAY BE REPLACED AT THE DISCRETION OF THE ARCHITECT/ENGINEER AT THE EXPENSE OF THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FOR WORK IN ROW AND ON ANY UTILITY CONNECTIONS OR ABANDONMENT PRIOR TO THE START OF CONSTRUCTION.
6. CONTRACTORS TO REVIEW ALL SHEETS FOR RELATED INFORMATION.
7. LIST OF STANDARD ABBREVIATIONS -

"A.F.F."	=	ABOVE FINISHED FLOOR
"C/L"	=	CENTER LINE
"F.F.E"	=	FINISH FLOOR ELEVATION
"U.N.O"	=	UNLESS NOTED OTHERWISE

TRAFFIC MARKING AND SIGNAGE NOTES:

1. CONTRACTOR TO PROVIDE TRAFFIC MARKINGS AS SHOWN ON THIS PLAN. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING MARKINGS.
2. ALL SIGNAGE AND MARKINGS MUST MEET MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES STANDARD SHAPES AND SIZES.
3. ALL BARRIER FREE PARKING SPACES SHALL BE PER MOST RECENT VERSION OF MICHIGAN BARRIER FREE CODE.

LAYOUT LEGEND	
SYMBOL	DESCRIPTION
	STANDARD CURB & GUTTER
	STANDARD DUTY CONCRETE
	STANDARD DUTY PAVEMENT
	SIGN & POST

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

DAVID MICHAEL BOLT REGISTERED No. AR11500077 STATE OF INDIANA ARCHITECT

ISSUANCES

01.06.2025	BIDS & CONSTRUCTION
03.13.2025	BULLETIN 001

DRAWN	NRE
REVIEWED	CLM
PROJECT NO.	5-6394

SITE PLAN

C2.01

811 Know what's below. Call before you dig.

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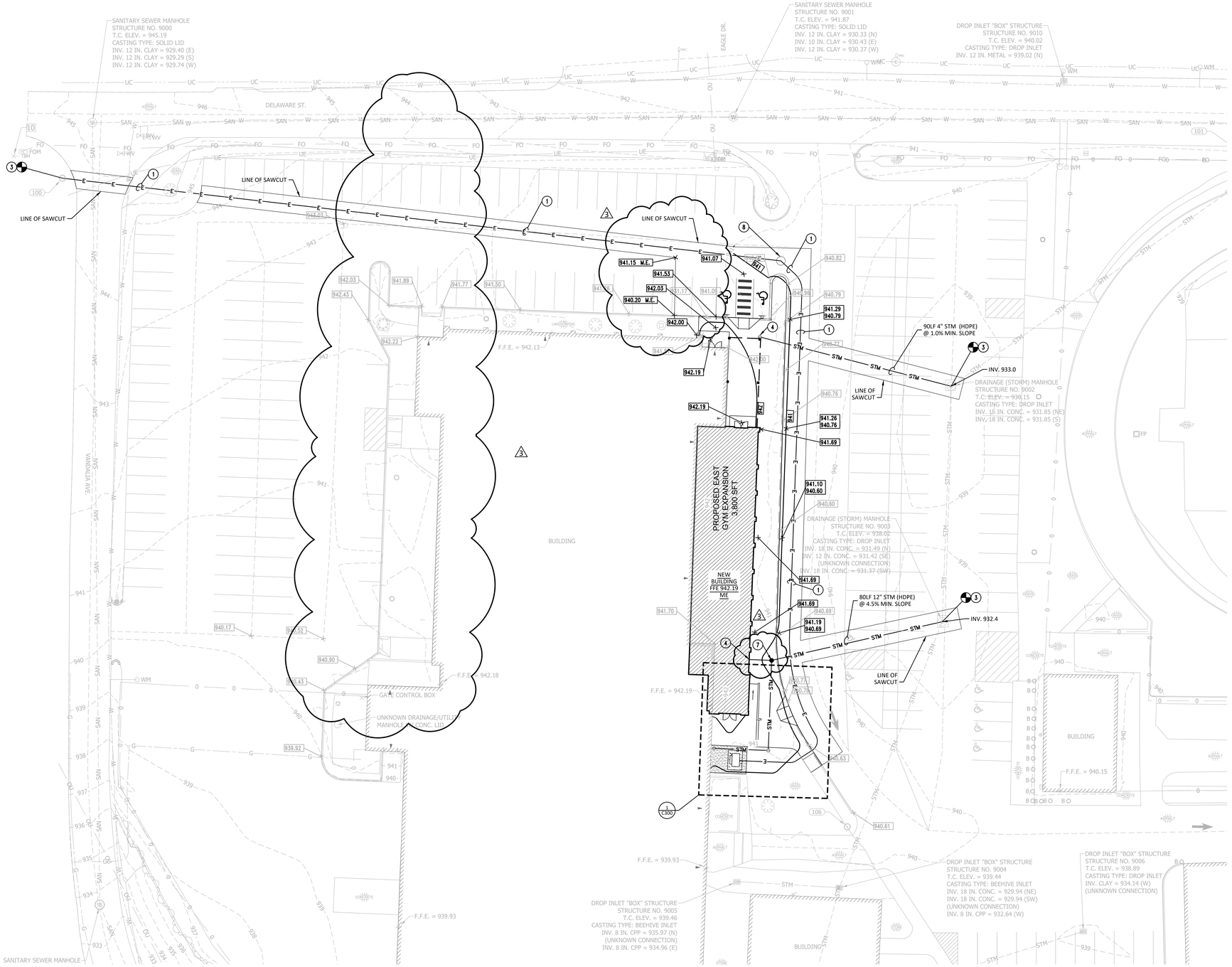


GENERAL NOTES

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND FEDERAL AGENCIES PRIOR TO STARTING CONSTRUCTION.

B. CONTRACTOR SHALL VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING SEWERS PRIOR TO START OF CONSTRUCTION.

C. CONTRACTOR SHALL MAINTAIN A COMPLETE AND OPERABLE UTILITY SYSTEM AT ALL TIMES.

D. CONTRACTOR SHALL INCLUDE COSTS FOR CUTTING AND PATCHING AS REQUIRED IN THEIR BID PROPOSAL TO COMPLETELY INSTALL THE WORK INDICATED.

E. CONTRACTOR SHALL INCLUDE ALL TAP FEES, PERMIT FEES AND APPLICATION FEES IN THEIR BID PROPOSAL AS NECESSARY TO COMPLETELY INSTALL THE WORK INDICATED.

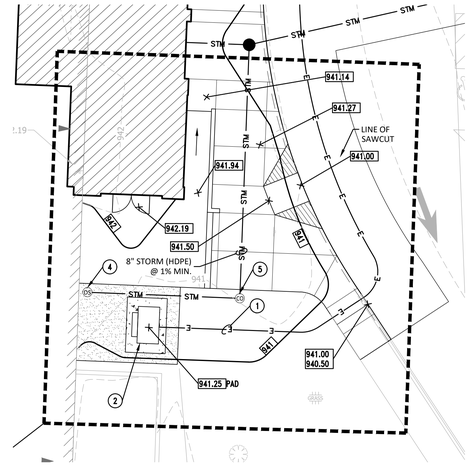
F. INFORMATION SHOWN WAS OBTAINED FROM AN OWNER FURNISHED SITE SURVEY OF EXISTING CONDITIONS AND IS UNCONFIRMED. CONTRACTOR IS REQUIRED TO FIELD VERIFY THIS INFORMATION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES SO MODIFICATION CAN BE MADE.

G. CONTRACTOR SHALL COORDINATE EXACT UTILITY LOCATIONS WITH THE OWNER AND LOCAL UTILITY COMPANIES PRIOR TO COMMENCING ANY WORK. UTILIZE THE INDIANA UNDERGROUND UTILITY LOCATION SERVICE AT 811 OR 800-382-5544 PRIOR TO ANY EXCAVATION ON THE SITE.

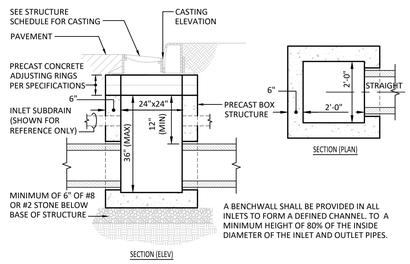
H. NEW STORM INLET REFER TO DETAIL. SOLID TOP CASTING, TYPE NEENAH R-1772. TOP OF CASTING 941.0: INVERT IN OF 8" PIPES AT 937.0: 12" STORM INVERT OUT OF STRUCTURE AT 936.0.

○ PLAN NOTES

1. NEW ELECTRICAL LINE. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. NEW TRANSFORMER. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR TO FIELD VERIFY EXISTING STORM SEWER LOCATION, ELEVATION AND SIZE.
4. COORDINATE SIZE, LOCATION AND ELEVATION OF PIPING WITH PLUMBING PLANS.
5. NEW EXTERIOR CLEANOUT.
6. WATER AND SEWER CROSSING, MINIMUM 18" CLEARANCE OR USE CONCRETE CRADLE.
7. NEW STORM INLET. REFER TO DETAIL.
8. NEW ELECTRICAL MANHOLE. REFER TO ELECTRICAL PLANS FOR MORE INFORMATION.



1 ENLARGEMENT
SCALE: 1"=10'



A BENCHWALL SHALL BE PROVIDED IN ALL INLETS TO FORM A DEFINED CHANNEL. TO A MINIMUM HEIGHT OF 80% OF THE INSIDE DIAMETER OF THE INLET AND OUTLET PIPES.

2 INLET BOX DETAIL (24"x24")
NO SCALE

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

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DRAWN CLM
REVIEWED ADS

PROJECT NO. 5-6394

SITE GRADING, DRAINAGE, & UTILITY PLAN

C3.01

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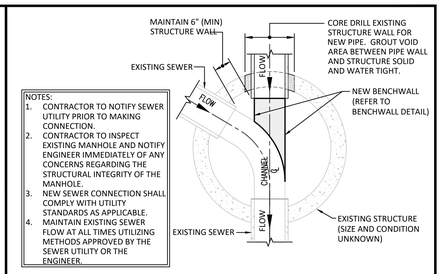
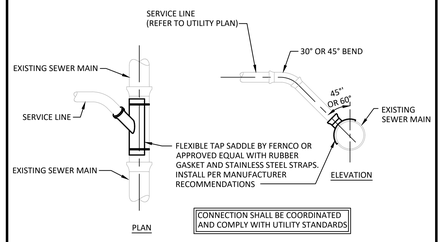
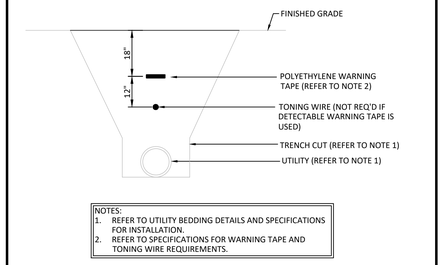


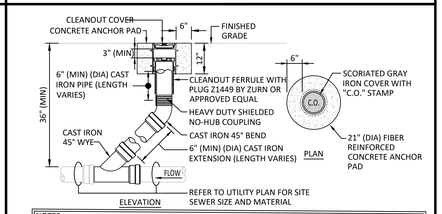
5 NEW STORM PIPE TO EXISTING STORM MANHOLE DETAIL
(FOR EXISTING STRUCTURE DIAMETERS GREATER THAN 48")



4 SERVICE CONNECTION TO EXISTING SEWER
NO SCALE



3 UTILITY DETECTABLE WARNING TAPE DETAIL
NO SCALE



2 EXTERIOR CLEANOUT DETAIL
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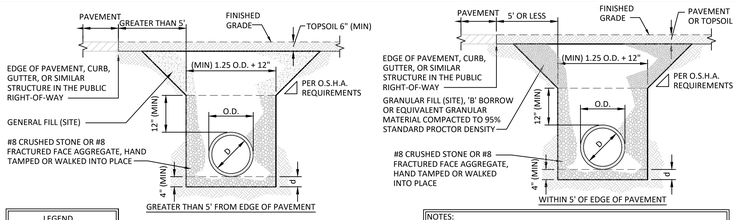
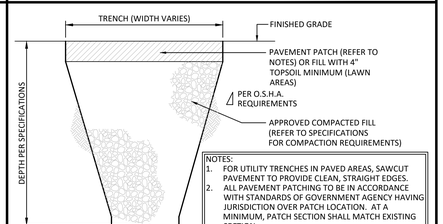


LEGEND
O.D. = OUTSIDE DIAMETER
D = INSIDE DIAMETER
d = DEPTH OF BEDDING MATERIAL BELOW PIPE

NOTES:
1. ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED 6" TO 12" BALANCED LIFTS.
2. A MINIMUM OF 9" CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE.
3. BEDDING SHALL BE SHAPED TO RECEIVE THE PIPE BELL SO THAT THE PIPE BARREL IS UNIFORMLY SUPPORTED.
4. REFER TO SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

6 FLEXIBLE PIPE (PVC & HDPE) BEDDING DETAIL
NO SCALE



1 UTILITY TRENCH CUT DETAIL
NO SCALE

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

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SITE UTILITY DETAILS

C3.02

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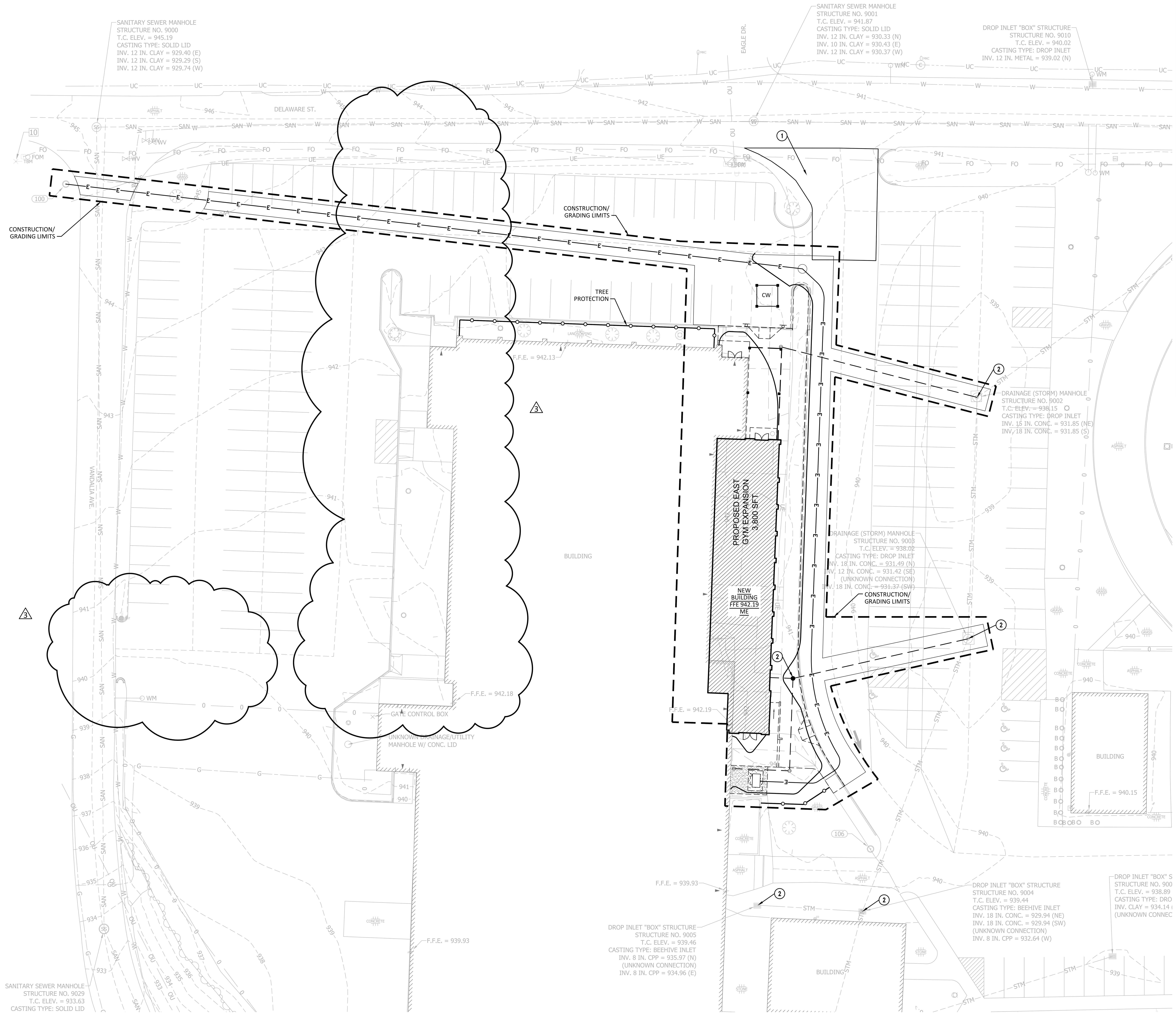

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GENERAL NOTES

A. TEMPORARILY SEED ALL DISTURBED AREA.
B. REFER TO LANDSCAPE SHEETS FOR AREAS OF PERMANENT SEEDING AND/OR SOD.
C. REFER TO STORMWATER POLLUTION PREVENTION NOTES AND DETAIL SHEETS.
D. ALL PROPOSED EROSION AND SEDIMENT CONTROL SHALL BE IN CONFORMANCE WITH CHAPTER 600 OF THE CITY OF INDIANAPOLIS STORMWATER SPECIFICATIONS MANUAL, LATEST EDITION. DISCREPANCIES BETWEEN THE PLANS AND THE MANUAL SHALL NOT ALLEVIATE THE CONTRACTOR FROM ADHERING TO THE REQUIREMENTS AS SET FORTH IN THE MANUAL.
E. ADDITIONAL EROSION CONTROL AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.

○ PLAN NOTES

1. CONSTRUCTION ENTRANCE UTILIZING EXISTING ASPHALT PAVEMENT. CONTRACTOR TO SWEEP AND CLEAN PAVEMENT AS NEEDED TO PREVENT SEDIMENT TRACKING ONTO ADJACENT ROADWAYS.

2. BASKET INLET PROTECTION.

PLAN SYMBOLS

CW	CONCRETE WASHOUT AREA
	SILT FENCE
	PROPOSED STORM SEWERS
	CONSTRUCTION/GRADING LIMITS
	PROPOSED CONTOURS
	PROPOSED IMPROVEMENTS

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

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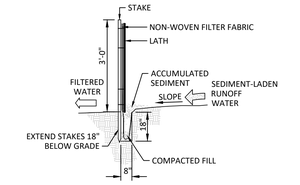
REVIEWED ADS

PROJECT NO. 5-6394

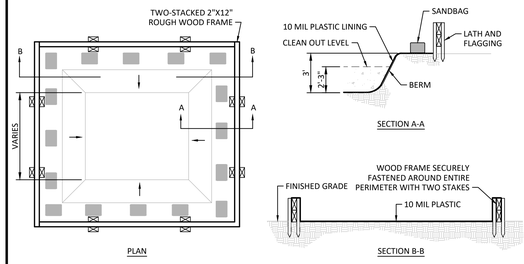
STORMWATER POLLUTION PREVENTION PLAN

C7.01



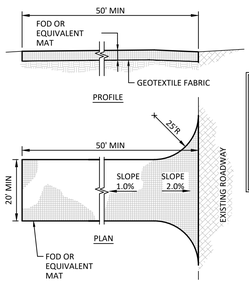
NOTES:
1. INSTALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL PRACTICES PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES.
2. REFER TO SPECIFICATIONS FOR SILT FENCE INFORMATION. INSTALL AND MAINTAIN PER MANUFACTURER'S RECOMMENDATIONS.

3 SILT FENCE DETAIL
NO SCALE



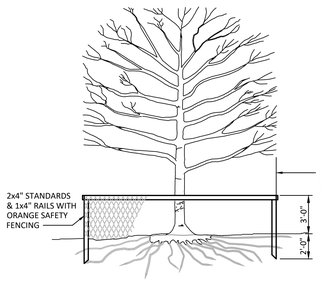
NOTES:
1. PORTLAND CEMENT CONCRETE WASTE SHALL NOT BE ALLOWED TO ENTER STORM DRAINS OR WATERCOURSES.
2. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED AT LEAST 50 FEET FROM OPEN DRAINAGE FACILITIES AND WATERCOURSES. EACH FACILITY SHALL BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
3. PERFORM WASHOUT OF MIX TRUCK CHUTES IN DESIGNATED AREAS ONLY.
4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE RESTORED TO ORIGINAL GROUND WITH BERM AND SIMILAR SOIL MATERIALS.
5. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 12 INCHES. MAINTAINING TEMPORARY WASHOUT FACILITIES SHALL INCLUDE REMOVING AND LEGALLY DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITY TO A FUNCTIONAL CONDITION.
6. EXISTING FACILITIES MUST BE CLEANED, OR NEW FACILITIES CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
7. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY FOR DAMAGE (TEARS IN THE LINER, MISSING SANDBAGS, ETC.). DAMAGED FACILITIES SHALL BE REPAIRED BEFORE FURTHER USE.
8. CONTRACTOR TO INSTALL TEMPORARY SIGNAGE OF SUFFICIENT MATERIALS TO INDICATE THE LOCATION OF THE WASHOUT AREA TO MIX TRUCK DRIVERS.

2 CONCRETE WASHOUT AREA DETAIL
NO SCALE



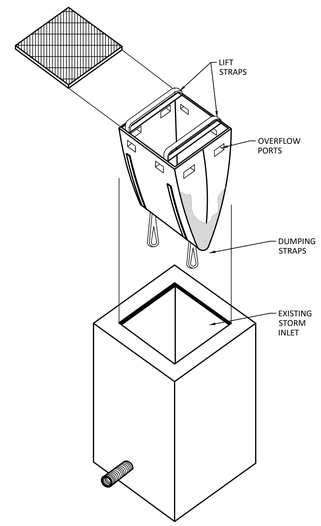
NOTES:
1. CONTRACTOR SHALL ACQUIRE ALL PERMITS AND APPROVAL FROM AGENCY HAVING JURISDICTION OF ROADWAY.
2. RESHAPE PAD AS NEEDED FOR RUNOFF CONTROL. TOP DRESS WITH CLEAN MATS AS NEEDED. INSPECT WEEKLY.
3. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ON TO EXISTING ROADWAY.
4. REPAIR DAMAGE TO EXISTING PAVEMENT IMMEDIATELY.

5 CONSTRUCTION ENTRANCE DETAIL
NO SCALE



NOTES:
1. BEFORE STARTING TREE PROTECTION, MEET WITH REPRESENTATIVES OF THE OWNER, AND ARCHITECT. REVIEW TREE PROTECTION PROCEDURES AND RESPONSIBILITIES. NOTIFY PARTICIPANTS AT LEAST 1 WEEK BEFORE CONVENING CONFERENCE.
2. INSTALL TEMPORARY FENCING LOCATED AS INDICATED OR OUTSIDE THE DRIP LINE & CRITICAL ROOT ZONE OF TREES TO PROTECT REMAINING VEGETATION FROM CONSTRUCTION DAMAGE.
3. PROTECT TREE ROOT SYSTEM FROM DAMAGE DUE TO NOXIOUS MATERIALS CAUSED BY RUNOFF OR SPILLAGE WHILE MIXING, PLACING, OR STORING CONSTRUCTION MATERIALS. PROTECT ROOT SYSTEMS FROM FLOODING, ERODING, OR EXCESSIVE WETTING CAUSED BY DEWATERING OPERATIONS.
4. DO NOT STORE CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL WITHIN THE DRIP LINE & CRITICAL ROOT ZONE OF REMAINING TREES. DO NOT PERMIT VEHICLES OR FOOT TRAFFIC WITHIN THE DRIP LINE & CRITICAL ROOT ZONE. PREVENT SOIL COMPACTION OVER ROOT SYSTEMS.
5. DO NOT EXCAVATE OR TRENCH WITH-IN DRIP LINE OF TREES UNLESS OTHERWISE INDICATED.

4 TREE PROTECTION DETAIL
NO SCALE



REQUIREMENTS
1. THE INLET PROTECTION UNIT SHALL BE A SEWN GEOTEXTILE FABRIC UNIT.
2. THE UNIT SHALL HAVE LIFTING STRAPS TO ALLOW REMOVAL OF THE UNIT AND MANUAL INSPECTION OF THE STORM WATER SYSTEM.

INSTALLATION
1. REMOVE THE GRATE FROM THE INLET AND STAND ON END.
2. MOVE THE TOP BY LIFTING STRAP OUT OF THE WAY AND PLACE THE GRATE INTO THE UNIT SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS.
3. INSERT THE GRATE INTO THE INLET UTILIZING THE LIFTING DEVICES.

MAINTENANCE
REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM AROUND THE UNIT FOLLOWING EACH STORM EVENT. LOOK INTO THE UNIT FOLLOWING EACH STORM EVENT AND AT REGULAR INTERVALS. THE UNIT MUST BE EMPTIED IF IT IS MORE THAN 1/3 FULL OF ACCUMULATED SEDIMENT. EMPTY THE UNIT BY USING THE LIFTING STRAPS TO LIFT IT OUT OF THE INLET AND REMOVE THE GRATE. TRANSPORT THE UNIT TO AN APPROPRIATE LOCATION TO REMOVE CONTENTS. UTILIZING THE DUMPING STRAPS ON THE OUTSIDE AT THE BOTTOM OF THE UNIT, TURN THE UNIT UPSIDE DOWN, EMPTYING THE CONTENTS. REINSTALL THE UNIT.

NOTES:
1. CURB INLET PROTECTION SHALL BE DANDY SACK OR APPROVED EQUAL

1 INLET PROTECTION DETAIL
NO SCALE

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

REGISTERED LANDSCAPE ARCHITECT No. PE10200271 STATE OF INDIANA PROFESSIONAL ENGINEER

ISSUANCES

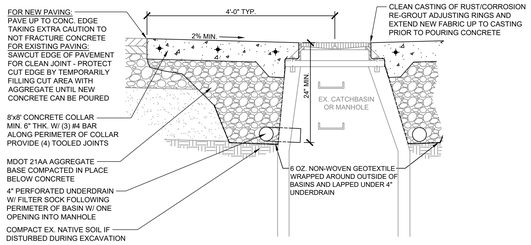
01.06.2025 BIDS & CONSTRUCTION

DRAWN CLM
REVIEWED ADS

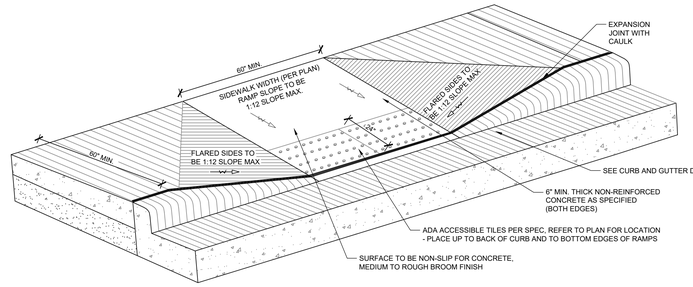
PROJECT NO. 5-6394

STORMWATER POLLUTION PREVENTION DETAILS

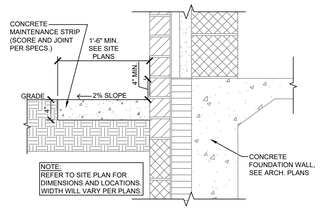
C7.02



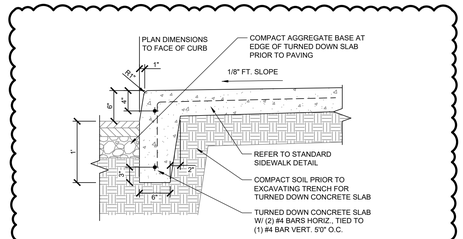
13 C8.01 CONCRETE - BASIN COLLAR
NOT TO SCALE



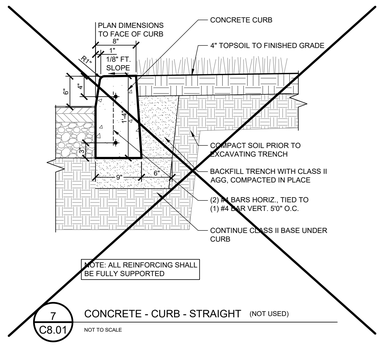
10 C8.01 CONCRETE - CURB RAMP
NOT TO SCALE



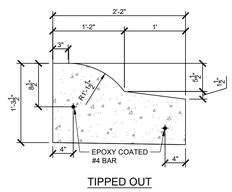
9 C8.01 CONCRETE - MAINTENANCE STRIP
NOT TO SCALE



8 C8.01 CONCRETE - CURB - STRAIGHT - INTEGRAL SIDEWALK EDGE
NOT TO SCALE

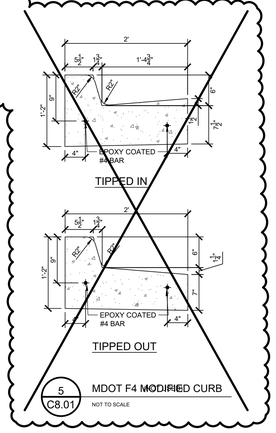


7 C8.01 CONCRETE - CURB - STRAIGHT (NOT USED)
NOT TO SCALE



TIPPED OUT

6 C8.01 MDOT B2 MODIFIED CURB
NOT TO SCALE



5 C8.01 MDOT F4 MODIFIED CURB
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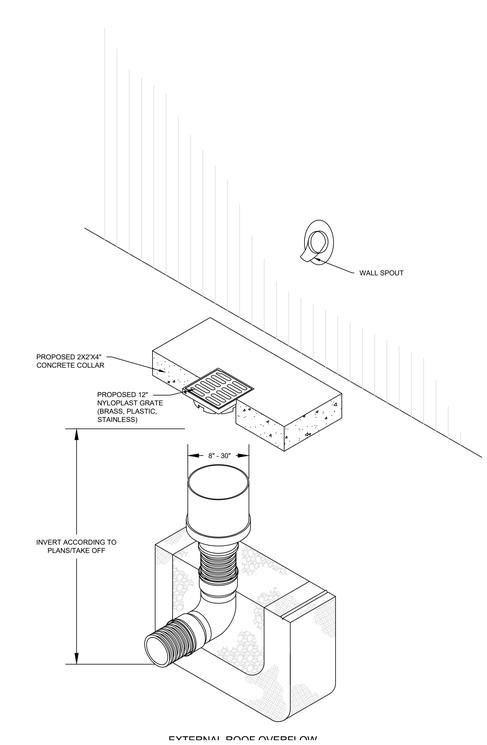
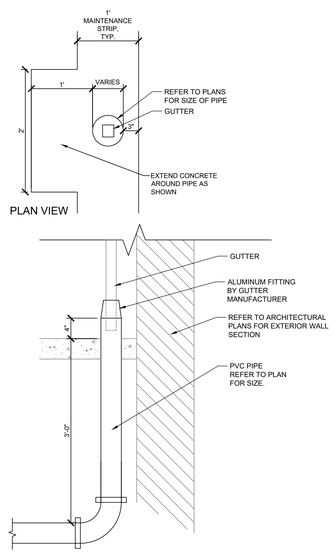


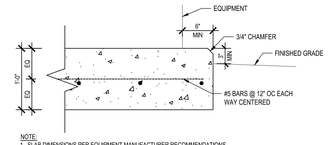
EXTERNAL ROOF OVERFLOW

12 C8.01 EXTERNAL ROOF OVERFLOW NYLOPLAST INLINE DRAIN WITH IRON GRATE
NOT TO SCALE



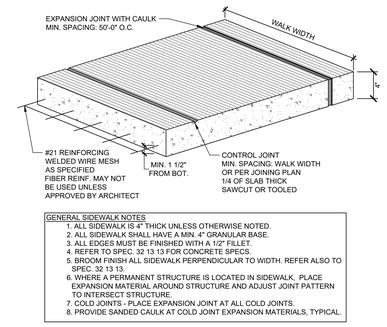
11 C8.01 DOWNSPOUT CONNECTION DETAIL
NOT TO SCALE

COORDINATE THE USE OF THIS DETAIL WITH
STRUCTURAL / MECH / ELECTRICAL BEFORE USING -
WE DO NOT WANT TO DUPLICATE DETAILS



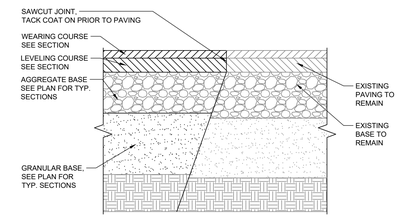
NOTE:
1. SLAB DIMENSIONS PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.
2. ANY SLAB OPENINGS ARE TO BE COORDINATED WITH EQUIPMENT MANUFACTURER.
3. SLAB TO BE POURED ON COMPACTED BASE - COORD W/ CIVIL & GEOTECH.

4 C8.01 CONCRETE - PAD - EXTERIOR EQUIPMENT
NOT TO SCALE

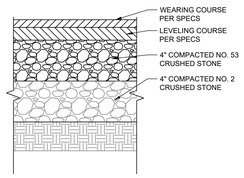


GENERAL SIDEWALK NOTES
1. ALL SIDEWALK IS 4" THICK UNLESS OTHERWISE NOTED.
2. ALL SIDEWALK SHALL HAVE A MIN. 4" GRANULAR BASE.
3. ALL EDGES MUST BE FINISHED WITH A 1/2" FILLET.
4. REFER TO SPEC. 32 13 13 FOR CONCRETE SPECS.
5. BROOM FINISH ALL SIDEWALK PERPENDICULAR TO WIDTH. REFER ALSO TO SPEC. 32 13 13.
6. WHERE A PERMANENT STRUCTURE IS LOCATED IN SIDEWALK, PLACE EXPANSION MATERIAL AROUND STRUCTURE AND ADJUST JOINT PATTERN TO INTERSECT STRUCTURE.
7. COLD JOINTS - PLACE EXPANSION JOINT AT ALL COLD JOINTS.
8. PROVIDE SANDED CAULK AT COLD JOINT EXPANSION MATERIALS, TYPICAL.

3 C8.01 CONCRETE - PAVEMENT - TYPICAL WALK
NOT TO SCALE



2 C8.01 NEW TO EXISTING PAVEMENT TRANSITION
NOT TO SCALE



1 C8.01 STANDARD PAVEMENT SECTION
NOT TO SCALE

gmb
Maze
Design, Inc.

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

DAVID MICHAEL BOLT
REGISTERED
No.
AR11500077
STATE OF
INDIANA
ARCHITECT

ISSUANCES

01.06.2025	BIDS & CONSTRUCTION
03.13.2025	BULLETIN 001

DRAWN	NRE
REVIEWED	CLM
PROJECT NO.	5-6394

SITE DETAILS

C8.01

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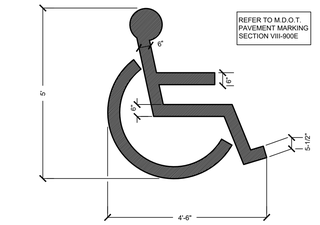
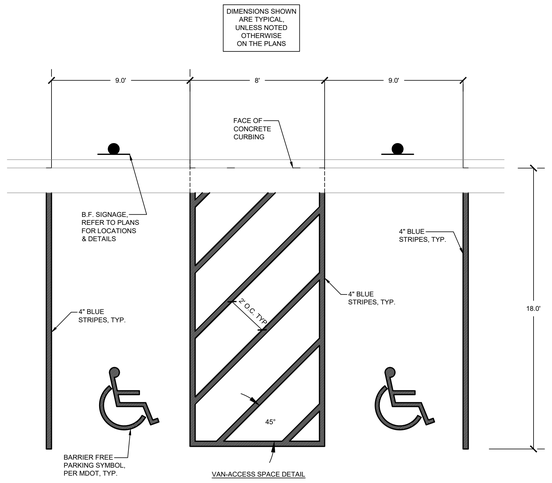
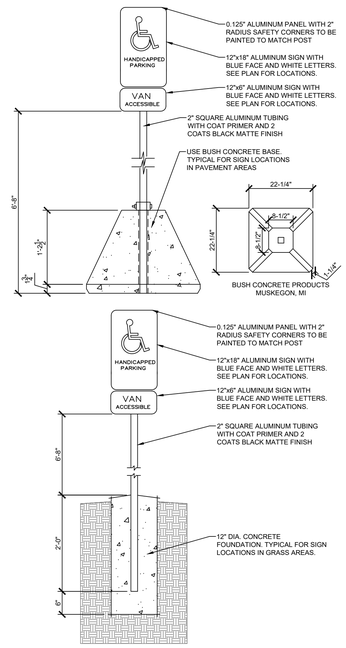


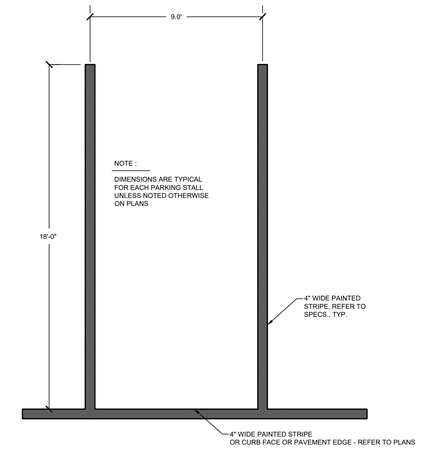
3 C8.02 M3_BARRIER FREE PARKING SYMBOL
NOT TO SCALE



2 C8.02 M2_BARRIER FREE PARKING STRIPING AT CURB
NOT TO SCALE



4 C8.02 SIGN - PARKING - BARRIER FREE SIGN
NOT TO SCALE



1 C8.02 M1_STANDARD PARKING SPACE STRIPING
NOT TO SCALE

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gmb
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Design, Inc.

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

DAVID MICHAEL BOLT
REGISTERED
No.
AR11500077
STATE OF
INDIANA
ARCHITECT

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

DRAWN NRE
REVIEWED CLM
PROJECT NO. 5-6394

SITE DETAILS

C8.02

ABBREVIATIONS

A/E	ARCHITECT / ENGINEER	HORIZ	HORIZONTAL
ABV	ABOVE	HT	HEIGHT
AFF	ABOVE FINISHED FLOOR	ID	INSIDE DIAMETER
ALT	ALTERNATE	IF	INSIDE FACE
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	INT	INTERIOR
		LLH	LONG LEG HORIZONTAL
ARCH	ARCHITECT	LLV	LONG LEG VERTICAL
B.O.	BOTTOM OF	LW	LONG WAY
BFF	BELOW FINISHED FLOOR	MAX	MAXIMUM
BLDG	BUILDING	MBC	MICHIGAN BUILDING CODE
BLW	BELOW	MECH	MECHANICAL
BP	BEARING PLATE	MFR	MANUFACTURER
BRG	BEARING	MIN	MINIMUM
C/C	CENTER-TO-CENTER	MISC	MISCELLANEOUS
CANT	CANTILEVER	NIC	NOT IN CONTRACT
CBP	COLUMN BASE PLATE	NOM	NOMINAL
CIP	CAST-IN-PLACE	NTS	NOT TO SCALE
CJ	CONTROL JOINT	O/O	OUT-TO-OUT
CJP	COMPLETE JOINT PENETRATION WELD	OC	ON CENTER
		OD	OUTSIDE DIAMETER
CL	CENTERLINE	OF	OUTSIDE FACE
CLG	CEILING	OPP	OPPOSITE HAND
CLR	CLEAR	PAR	PARALLEL
COL	COLUMN	PEMB	PRE-ENGINEERED METAL BUILDING
CONC	CONCRETE		
CONN	CONNECTION	PERP	PERPENDICULAR
CONT	CONTINUOUS	PL	PLATE
COORD	COORDINATE	RAD	RADIUS
DA	DECK ANGLE	REQ	REQUIRED
DBE	DECK BEARING ELEVATION	REQ'D	REQUIRED
DIA	DIAMETER	REINF	REINFORCE
DIM	DIMENSION	RD	ROOF DRAIN
DP	DECK PLATE	RXN	REACTION
EA	EACH	SC	SLIP CRITICAL
EF	EACH FACE	SF	STEP FOOTING
EL	ELEVATION	SIM	SIMILAR
EQ	EQUAL	SOG	SLAB ON GRADE
EOR	ENGINEER OF RECORD	SPEC	SPECIFICATION
ES	EACH SIDE	STD	STANDARD
EW	EACH WAY	STL	STEEL
EX	EXISTING	SW	SHORT WAY
EXP	EXPANSION	T.O.	TOP OF
EXT	EXTERIOR	T&B	TOP AND BOTTOM
FD	FLOOR DRAIN	TYP	TYPICAL
FDN	FOUNDATION	UNO	UNLESS NOTED OTHERWISE
FF	FINISH FLOOR		
FLR	FLOOR	VERT	VERTICAL
FTG	FOOTING	VIF	VERIFY IN FIELD
GA	GAUGE	W	WITH
GALV	GALVANIZED	W/O	WITHOUT
GYP	GYPSUM BOARD	WWF	WELDED WIRE FABRIC
HD	HOLD DOWN ANCHOR		

MASONRY NOTES

1. VERTICAL REINFORCING BARS SHALL HAVE DOWELS INTO THE FOUNDATION AND EXTEND INTO THE CONTINUOUS BOND BEAM AT THE TOP OF THE WALL.
2. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL BLOCK CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICAL. DOWELS MAY BE GROUTED INTO A CELL ADJACENT TO THE VERTICAL WALL REINFORCING.
3. CONTINUOUS BOND BEAMS TO HAVE (2) #5 BARS IN 8" WALLS & (3) #5 BARS IN 12" WALLS, TYP.
4. CONTROL JOINTS SHALL BE LOCATED AT 24'-0" OC MAX. SEE S0.02 FOR ADDITIONAL DETAILS.
5. ALL BAR LAPS TO BE PER "MINIMUM MASONRY REINFORCEMENT LAP LENGTH" SCHEDULE.
6. CORES WITH VERTICAL REINFORCING SHALL BE GROUTED SOLID FOR FULL HEIGHT OF WALL. ALL GROUT SHALL BE CONSOLIDATED BY VIBRATION WITHIN CORES.
7. 16" CMU MASONRY WALL MUST BE SINGLE WYTHE NOT (2) 8" WYTHES.
8. FULL HEIGHT VERTICAL REINFORCING SHALL BE REQUIRED ON BOTH SIDES OF ALL BEARING WALL OPENINGS.
9. CELL FOAM FILL ALL BLOCK WALLS AT TOILET ROOMS DIRECTLY ADJACENT TO CLASSROOMS. SEE ARCHITECTURE FOR REQUIREMENTS.
10. ALL CORNERS & INTERSECTIONS (INTERIOR, EXTERIOR, BEARING & NON-BEARING WALLS) TO HAVE RIGID ANCHORS CONNECTING THE WALLS AT 32" OC VERTICALLY UNLESS MASONRY BLOCK IS TOOTHED TOGETHER A MINIMUM OF 4".
11. ALL TEMPORARY BRACING DURING CONSTRUCTION AS REQUIRED BY THE GOVERNING BUILDING CODE FOR LATERAL LOADING IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. LINTELS SHALL OCCUR AT ALL OPENINGS GREATER THAN 2'-0".
13. LINTELS AT NON LOAD BEARING WALL OPENINGS ARE NOT SHOWN ON PLAN. CONTRACTOR TO COORDINATE OPENING LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. PROVIDE LINTELS PER THE NON LOAD BEARING LINTEL SCHEDULE.
14. MASONRY CORES SHALL BE GROUTED FULL 3 COURSES DOWN MINIMUM BELOW ALL LINTEL, BEAM AND JOIST BEARING LOCATIONS ON BOTH NEW AND EXISTING MASONRY. POCKET WALL AS NECESSARY, GROUT, AND PATCH WALL TO MATCH ADJACENT MATERIAL.

FRAMING LEGEND

UB / L1	DENOTES LINTEL TYPE (SEE SCHEDULE)
BP1	DENOTES BEARING PLATE TYPE (SEE SCHEDULE)
CBP1	DENOTES COLUMN BASE PLATE TYPE (SEE SCHEDULE)
W16x36 (S)	DENOTES BEAM WITH STUDS ON TOP FLANGE (MINIMUM 3/4" DIA.)
TOS	DENOTES TOP OF STEEL ELEVATION
BOS	DENOTES BOTTOM OF STEEL ELEVATION
BOD	DENOTES BOTTOM OF DECK ELEVATION
	MOMENT CONNECTION
EOD	EDGE OF DECK
TCX	TOP CHORD EXTENSION
BCX	BOTTOM CHORD EXTENSION
ST. SLOPE	DENOTES STRUCTURE SLOPES DOWN
EX W16x36	THE "EX" DENOTES EXISTING STEEL TO REMAIN (ALL OTHER MEMBERS NOT NOTED WITH AN "EX." SHALL BE NEW & FURNISHED AS PART OF THIS CONTRACT)
VIF	VERIFY IN FIELD
T-1	DENOTES ENGINEERED WOOD TRUSS TYPE (SEE SCHEDULE)

FOUNDATION LEGEND

TOW	DENOTES TOP OF WALL ELEVATION
TOP	DENOTES TOP OF PIER ELEVATION
TOL	DENOTES TOP OF LEDGE ELEVATION
TOF	DENOTES TOP OF FOOTING ELEVATION
FF	DENOTES TOP OF SLAB / FINISH FLOOR ELEVATION
SF	STEP FOOTING (SEE TYP DETAIL)
F3x3 (96'-0")	FOOTING MARK (TOF ELEV) - SEE SCHEDULE FOR SIZE & REINFORCING
P2 (99'-4")	PIER MARK (TOP ELEV) SEE SCHEDULE FOR SIZE & REINFORCING
	CONCRETE FOUNDATION WALL & FOOTING
	MASONRY WALL & CONCRETE FOOTING

METAL DECK ATTACHMENT

USE THE FOLLOWING GUIDELINES FOR SECURING THE METAL ROOF DECK TO ITS SUPPORTING STRUCTURE.

1. ALL 1.5 B DECK - USE 5/8" PUDDLE WELDS ON 36/4 PATTERN WITH #10 SCREW SIDELAP FASTENERS MINIMUM 2 PER SPAN, OR USE HILTI FASTENERS PER OS 31.00 ON 36/4 PATTERN WITH #10 SCREW SIDELAP FASTENERS MIN. 2 PER SPAN EXCEPT AT AUDITORIUM AND STAGE. ROOF USE 36/7 PATTERN WITH SIDELAP FASTENERS AT 24" OC.

FLOOR & ROOF LEGEND

1.5B##	1 1/2" WIDE RIB DECK - ## INDICATES GAUGE
1.5BA##	1 1/2" WID RIB ACOUSTICAL DECK - ## INDICATES GAUGE

GENERAL FOUNDATION NOTES

1. PLAN ELEVATION 100'-0" = SITE DATUM PER CIVIL
2. FOUNDATIONS WILL BE PLACED IN BOTH THE NATIVE SOIL AND NEW SAND FILL. PRIOR TO PLACING CONCRETE THE BEARING SURFACE SHALL BE COMPACTED TO A DENSITY OF 95.0 PERCENT OF ITS MAXIMUM DENSITY AS DETERMINED BY ASTM D1557. REFERENCE THE SOILS REPORT FOUND IN THE SPECIFICATIONS FOR ADDITIONAL RECOMMENDATIONS.
3. ON SITE EXCAVATED SOILS MAY BE USED FOR BACKFILLING OF FOUNDATIONS EXCEPT AT RETAINING WALLS WHERE CLEAN SAND MEETING MDOT CLASS II STANDARDS SHALL BE USED. THE WATER CONTENT OF ALL CLAY MATERIALS BEING PLACED SHALL BE 15.0 PERCENT OR LESS. FOLLOW THE RECOMMENDED INSTALLATION AND COMPACTION PROCEDURES FOR FILL AS OUTLINED IN THE SPECIFICATIONS AND SOILS REPORT.
4. STEP FOOTINGS AT A MINIMUM 3 UNITS HORIZONTAL TO ONE (1) UNIT VERTICAL, WITH MAXIMUM 24" VERTICAL STEP. SEE TYP STEPPED FOOTING DETAIL.
5. LAP CONTINUOUS REINFORCING PER SCHEDULE. PROVIDE CORNER BARS FOR HORIZONTAL REINFORCING OF SAME SIZE.
6. SET FOUNDATION SLEEVES ON TOP OF FOOTING UNLESS NOTED OTHERWISE.
7. INSTALL UNDERGROUND DRAINAGE AROUND PERIMETER FOUNDATIONS AS SHOWN IN TYPICAL FOUNDATION DRAIN DETAIL. PROVIDE POSITIVE DRAINAGE OUTLET TO SITE STORM SYSTEM.
8. ON SITE WITH CLAY SOIL CONDITIONS, PROVIDE PVC WEEP HOLE SLEEVES THRU BOTTOM OF FOUNDATION WALL AT APPROXIMATELY 50 FOOT CENTERS TO DRAIN INTERIOR FILL.
9. CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATIONS OF OPENINGS, EQUIPMENT PADS, EMBEDDED ITEMS, RECESSES, DRAINS, PIPE SLEEVES, ELECTRICAL CONDUITS, ETC BEFORE POURING CONCRETE. CONTRACTOR SHALL BE AWARE AND VERIFY THE LOCATIONS OF ALL UNDERGROUND TANKS, UTILITIES, ETC. DO NOT DAMAGE EXISTING UTILITIES DURING EXCAVATION.
10. REFER TO FOUNDATION PLANS FOR LOCATED FOOTING STEPS. FIELD CONDITIONS, PENETRATIONS OR OTHER EQUIPMENT MAY DICTATE FURTHER FOOTING STEPS. CONTRACTOR SHALL REFER TO MECHANICAL, PLUMBING, AND CIVIL DRAWINGS FOR UTILITY LOCATIONS AND LOCATE OTHER STEPPED FOOTINGS AS REQUIRED.

GENERAL SLAB NOTES

1. FLOOR SLABS ON GRADE SHALL BE MINIMUM 4" THICK CONCRETE WITH SYNTHETIC FIBER REINFORCEMENT PER SPECIFICATIONS. SLABS AT RADIANT FLOORS, AT GYMNASIUM, THE COMMONS AREAS, AND STAGE SHALL BE MINIMUM 5" THICK. SEE PLANS FOR WHERE WWF IS REQUIRED.
2. ALL FLOOR SLABS ON GRADE SHALL BE PLACED ON 10 MIL VAPOR BARRIER OVER MINIMUM 8" COMPACTED CLEAN SAND FILL MEETING MDOT CLASS II STANDARDS PLACED ON COMPACTED SUITABLE SUB-GRADE (UNO IN GEOTECHNICAL REPORT FOR THE SPECIFIC PROJECT).
3. INSTALL CONSTRUCTION AND/OR CONTROL JOINTS FOR SLABS ON GRADE ON A MAXIMUM "3 X THICKNESS" SQUARE GRID (EG - 12'-0" FOR 4" SLAB) OR AS SHOWN ON THE FLOOR FINISH PLANS. REFERENCE TYP CONSTRUCTION AND CONTROL JOINT DETAILS. FLOOR SLABS AT GYMNASIUM, WEIGHT ROOM, AND STAGE SHALL BE MONOLITHIC POURS WITHOUT ANY JOINTS.
4. SLAB EDGE DETAIL: PROVIDE BOND BREAKER AT ALL SLAB TO WALL LOCATIONS. SEE SPECIFICATION.

FOUNDATION ELEVATIONS

(UNLESS OTHERWISE NOTED ON PLANS)

TOP OF FOUNDATION WALLS = EL 102' - 5 7/8"

TOP OF CONCRETE PIERS = EL 101' - 9 7/8"

TOP OF EXTERIOR FOOTINGS = EL 98' - 9 7/8"

TOP OF INTERIOR FOOTINGS = EL 101' - 9 7/8"

GENERAL STRUCTURAL NOTES

1. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION, AND WITH THE ARCHITECT'S APPROVAL MAKE ANY AND ALL NECESSARY MODIFICATIONS TO ENSURE A PROPER FIT.
2. COORDINATE ALL WORK INCLUDING DEMOLITION WITH ALL OTHER TRADES AND WITH THE REQUIREMENTS FOUND IN THE CONSTRUCTION DOCUMENTS.
3. THE EXISTING STRUCTURAL PLANS ARE DIAGRAMMATIC AND ARE BASED ON EXISTING OWNER DOCUMENTS AND LIMITED FIELD INVESTIGATION. VARYING & HIDDEN CONDITIONS MAY EXIST. IF DISCREPANCIES ARE FOUND, NOTIFY THE ARCHITECT & ENGINEER FOR DIRECTION / RESOLUTION BEFORE CONTINUING WORK IN THOSE AREAS.

STRUCTURAL DESIGN DATA

BUILDING CODE: INDIANA BUILDING CODE 2014 & ASCE 7-10

1. RISK CATEGORY: I I I
2. ROOF SNOW LOAD:

GROUND SNOW LOAD (Pg)	20 psf
FLAT ROOF SNOW LOAD (Pf)	22 psf
SNOW EXPOSURE FACTOR (Ce)	1.0
SNOW LOAD IMPORTANCE FACTOR (Is)	1.1
THERMAL FACTOR (Ct)	1.0

ADDITIONAL SNOW DRIFT LOAD:

ALL STRUCTURAL FRAMING INCLUDING JOISTS & TRUSSES HAVE BEEN DESIGNED FOR ADDITIONAL DRIFTING SNOW IN COMPLIANCE WITH THE BUILDING CODE AND ASCE 7-10

ROOF DEAD LOAD:

ROOF FRAMING (NO FUTURE FLOOR)	
ROOF DECK	3 psf
ROOFING	2 psf
INSULATION	2 psf
STRUCTURE	4 psf
MEP / FIRE PROTECTION	5 psf
MISC	2 psf
CEILING	2 psf
	20 psf
HANGING ATHLETIC EQUIP (GYM ONLY - BOT CHORD)	10 psf

3. WIND LOAD:

ULTIMATE WIND SPEED (3 SEC. GUST)	120 mph
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT (Gcpi)	0.18

COMPONENTS & CLADDING PRESSURE (asd):

FLAT ROOFS (BASED ON 20 SF)	
UPLIFT WITHIN 1'6" OF CORNER	56 psf
UPLIFT WITHIN 16' OF EDGE	43 psf
UPLIFT INTERIOR	33 psf
WALLS	21 psf

COMPONENTS & CLADDING PRESSURE (ult):

FLAT ROOFS (BASED ON 20 SF)	
UPLIFT WITHIN 1'6" OF CORNER	94 psf
UPLIFT WITHIN 16' OF EDGE	71 psf
UPLIFT INTERIOR	54 psf
WALLS	35 psf

4. SEISMIC DESIGN:

SEISMIC IMPORTANCE FACTOR (Ie)	1.25
SPECTRAL RESPONSE:	
Ss	0.139
S1	0.076
Sds	0.148
Sd1	0.121
SITE CLASS	D
SEISMIC DESIGN CATEGORY	B

SEISMIC FORCE RESISTING SYSTEM:
COMBINATION OF ORDINARY REINFORCED MASONRY SHEAR WALLS AND STEEL MOMENT-RESISTING FRAMES

MASONRY SHEAR WALL SEISMIC RESPONSE COEFFICIENT (Cs)	0.093
STEEL MOMENT-FRAME SEISMIC RESPONSE COEFFICIENT (Cs)	0.053
MASONRY SHEAR WALL RESPONSE MODIFICATION FACTOR (R)	2.0
STEEL MOMENT-FRAME RESPONSE MODIFICATION FACTOR (R)	3.5

ANALYSIS PROCEDURE:
EQUIVALENT LATERAL FORCE

DESIGN BASE SHEAR:

UNIT A = 258 KIPS

5. DESIGN SOIL BEARING CAPACITY (ASSUMED):

COLUMN FOOTINGS	3000 psf
WALL FOOTINGS	2500 psf

6. DESIGN STRESSES:

CONCRETE	
FOOTINGS & FOUNDATIONS	f'c = 4000 psi
SLABS-ON-GRADE	f'c = 4000 psi
ELEVATED SLABS & TOPPINGS	f'c = 4000 psi
PRECAST	f'c = 5000 psi
REINF. STEEL	Fy = 60,000 psi
STEEL	
W SHAPES	Fy = 50,000 psi
RECT HSS SHAPES	Fy = 50,000 psi
ROUND HSS & PIPE SHAPES	Fy = 46,000 psi
ALL OTHER SHAPES	Fy = 36,000 psi
WELDING ELECTRODE	E70XX
METAL DECK (FLOOR & ROOF)	Fy = 50,000 psi
MASONRY	
CMU	2500 psi units fm = 2200 psi
GROUT	f'c = 2200 psi

GENERAL STEEL FRAMING NOTES

1. SEE ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL REQUIRED NOT LIMITED TO ANGLES, PLATES, CHANNELS, RAILINGS, AND POSTS.
2. MASONRY CORES SHALL BE GROUTED FULL 3 COURSES DOWN MINIMUM BELOW ALL LINTEL, BEAM AND JOIST BEARING LOCATIONS ON BOTH NEW AND EXISTING MASONRY. POCKET WALL AS NECESSARY, GROUT, AND PATCH WALL TO MATCH ADJACENT MATERIAL.
3. ROOF DECK TO BE 1.5B 20 GA PAINTED - WELDED 36/4 PATTERN (12" OC) WITH (2) SIDE LAP FASTENERS PER SPAN UNLESS NOTED OTHERWISE. ALL CANOPY ROOF DECK TO BE GALVANIZED.
4. FURNISH & INSTALL 20 GA FLAT PLATE FILLERS & COVERS AT DECK EDGES AND AT TRANSITION LINES OF ORIENTATION CHANGES AS REQ'D.
5. FURNISH & INSTALL ALL JOIST BRIDGING & BRACING AS NOTED OR AS REQUIRED BY THE STEEL JOIST INSTITUTE (SJI).
6. PROVIDE FRAMES FOR ROOF SUMPS AND FOR ALL OTHER ROOF OPENINGS REQUIRED ON PLANS PER TYPICAL ROOF FRAME DETAILS.
7. STEEL MEMBERS EXPOSED TO EXTERIOR CONDITIONS (INCLUDING LINTELS) REQUIRE GALVANIZING. ALL CANOPY STEEL TO BE GALVANIZED EVEN WHERE NOT LEFT EXPOSED TO VIEW.
8. DESIGN JOISTS FOR A NET WIND UPLIFT FORCE OF 25 PSF AND FOR ANY MECHANICAL LOADS AS INDICATED ON PLANS.
9. DESIGN JOIST SEATS FOR A MINIMUM ROLLOVER FORCE OF 2000 LBS.
10. ALL COLUMN, BASE PLATE, AND ANCHOR BOLTS BELOW GRADE MUST BE ENCASED IN CONCRETE OR COATED W/ BITUMINOUS MATERIAL.
11. PROVIDE BEARING PLATE WITH SLOTTED HOLES PER LINTEL SCHEDULE AT ONE END OF ALL STEEL BEAMS WHERE THE BEAM RUNS PARALLEL TO THE CMU WALLS SUPPORTING IT.
12. COORDINATE AND FIELD VERIFY ALL MECHANICAL EQUIPMENT & OPENING LOCATIONS & SIZES FOR SUPPORTS & FRAMES.
13. UNO ON PLANS, BEAMS OR JOISTS ARE EQUALLY SPACED BETWEEN COLUMNS OR ALONG GIRDERS.
14. IT IS THE FABRICATOR'S RESPONSIBILITY TO DESIGN AND DETAIL ALL MOMENT CONNECTIONS IN ACCORDANCE WITH CURRENT AISC STANDARDS AND SPECIFICATIONS BASED ON THE LOADS PROVIDED. SHOP DRAWINGS (THAT INDICATE ALL CONNECTION REQUIREMENTS) AND CALCULATIONS SHALL BE SEALED BY A REGISTERED ENGINEER IN THE STATE OF MICHIGAN AND SUBMITTED FOR REVIEW.
15. IT IS THE FABRICATOR'S RESPONSIBILITY TO DESIGN AND DETAIL ALL STEEL BEAM SPLICES (WHETHER INDICATED IN DRAWINGS OR PROVIDED FOR ERECTION REASONS) IN ACCORDANCE WITH CURRENT AISC STANDARDS AND SPECIFICATIONS BASED ON THE LOADS PROVIDED. SHOP DRAWINGS AND CALCULATIONS SHALL BE SEALED BY A REGISTERED ENGINEER IN THE STATE OF MICHIGAN AND SUBMITTED FOR REVIEW. SEE SPEC FOR ADDITIONAL INFO.
16. UNO, DESIGN FOR MIN 10K SHEAR REACTION

gmb
Maze Design, Inc.
STATE OF MICHIGAN
PAMELA GORYL
ENGINEER
No. 6201067483
REGISTERED PROFESSIONAL ENGINEER
03/17/2025

WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

WESTERN WAYNE

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

DRAWN SFG

REVIEWED AND

PROJECT NO. 5-6394

STRUCTURAL GENERAL INFORMATION

S0.01

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MINIMUM MASONRY REINFORCEMENT LAP LENGTHS

BAR SIZE	VERTICAL BARS IN TENSION-SINGLE BARS IN CORE		VERTICAL BARS IN TENSION-DOUBLE BARS IN CORE	
	8" CMU-SINGLE BAR	12" CMU-SINGLE BAR	8" CMU-DOUBLE BAR	12" CMU-DOUBLE BAR
#4	25"	25"	25"	25"
#5	25"	25"	25"	25"
#6	38"	25"	50"	28"
#7	54"	34"	72"	40"
#8	82"	52"	116"	64"

- MECHANICAL SPLICES MAY BE USED IN LIEU OF LAPPED SPLICES. MECHANICAL SPLICE MUST DEVELOP 125% OF BAR TENSION STRENGTH

MASONRY OPENING REQUIREMENTS

01 FOUNDATION DOWELS PER DRAWINGS

02 LINTEL - MASONRY OR STEEL PER PLANS & SCHEDULE

03 CONTINUE VERTICAL WALL REINFORCING IN KNEE WALL BELOW OPENING (WHERE APPLICABLE)

04 CONTINUE VERTICAL WALL REINFORCING OVER OPENING (AT MASONRY LINTEL, ANCHOR WITH STD ACI 90 DEGREE HOOK)

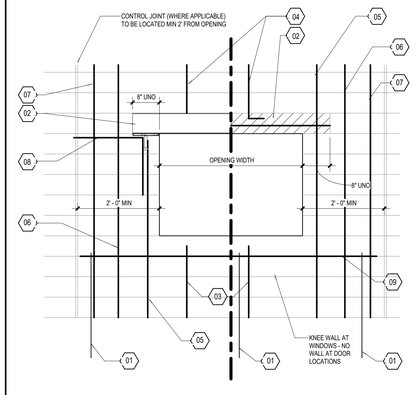
05 ADD (1) #5 VERTICAL BAR IN GROUTED FIRST CORE AT JAMBS- RUN FULL HEIGHT OF WALL EXCEPT AT CONTROL JOINT OR STEEL LINTEL LOCATIONS WHERE BAR TERMINATES AT LINTEL BOTTOM

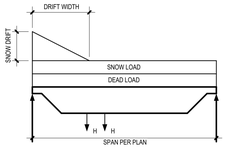
06 AT OPENING WIDTHS OF 4'-1" THRU 8'-0" ADD (1) #5 VERTICAL BAR IN GROUTED SECOND CORE AT JAMBS - RUN FULL HEIGHT OF WALL (IN ADDITION TO SCHEDULED REINFORCING)

07 AT OPENING WIDTHS OVER 8'-1" ADD (1) #5 VERTICAL BAR IN GROUTED SECOND AND THIRD CORE AT JAMBS - RUN FULL HEIGHT OF WALL (IN ADDITION TO SCHEDULED REINFORCING)

08 AT TERMINATED VERTICAL REINFORCING PROVIDE #4 DOWELS (20"x20") GROUTED INTO ADJACENT CORES

09 PROVIDE LADDER JOINT REINFORCING IN BED JOINT OF FIRST COURSE BELOW THE SILL- RUN FROM CONTROL JOINT TO CONTROL JOINT





JOIST LOADING SCHEDULE

JOIST / JOIST GIRDER	UNIFORM DEAD LOAD (psf)	UNIFORM SNOW LOAD (psf)	MAX SNOW DRIFT LOAD (psf)	WIDTH OF SNOW DRIFT (ft)	HANGER LOAD "H" (lb)
12KSP1	20	25	63	10	-
14KSP1	20	25	63	10	-
14KSP2	20	25	66	11	-
18KSP1	20	25	63	10	-

NOTES:
1. SEE PLAN FOR TRIBUTARY WIDTH OF EACH JOIST.
2. * ON PLAN INDICATES JOIST OR JOIST GIRDER THAT IS PART OF A MOMENT FRAME. REFER TO DETAIL & MOMENT CONNECTION SCHEDULE FOR ADDITIONAL INFO.
3. ALL JOISTS & JOIST GIRDERS TO BE DESIGNED FOR MAX LIVE LOAD DEFLECTION OF SPAN/360.

LINTEL SCHEDULE

MARK	MATERIAL	SHAPE
U8	(1) COURSE MASONRY LINTEL (MATCH WALL THICKNESS) W/ (2) #5 BARS AND CONCRETE FILL	
U16	(2) COURSE MASONRY LINTEL (MATCH WALL THICKNESS) W/ (2) #5 BARS AND CONCRETE FILL	
U24	(3) COURSE MASONRY LINTEL (MATCH WALL THICKNESS) W/ (2) #5 BARS AND CONCRETE FILL	
L1	L3 1/2" x 3 1/2" x 5/16" (ONE FOR EACH 4" OF MASONRY)	8" WALL
L2	L5" x 3 1/2" x 5/16" LLV (ONE FOR EACH 4" OF MASONRY)	12" WALL
L3	W8x10 + 3/8" BOT PLATE	
L4	W8x18 + 3/8" BOT PLATE	
L5	W8x24 + 3/8" BOT PLATE	
L6	W16x26 + 3/8" BOT PLATE	
L7	W16x36 + 3/8" BOT PLATE (NO PL REQ'D FOR 8" WALL)	
L8	HSS8x4x1/4 + 3/8" BOT PLATE	
L9	HSS16x4x5/16 + 3/8" BOT PLATE	

ALL STEEL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.

ALL MASONRY LINTELS ARE TO HAVE THEIR ENTIRE DEPTH FILLED IN A SINGLE POUR (NO COLD JOINTS).

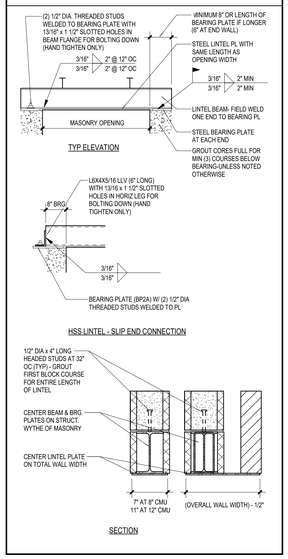
COPE BOT FLANGE OF LINTEL TO 6" WIDTH WHERE REQ TO FIT ON BEARING PLATE.

SEE DETAIL BELOW FOR ADDITIONAL REQUIREMENTS.

AT ELEVATOR SHAFTS, LINTEL TO EXTEND ACROSS ENTIRE LENGTH OF WALL (NOT JUST THE DOOR OPENING ITSELF).

AT W16 OR LARGER, PROVIDE WELD ON VENEER ANCHORS & ADJUSTABLE TIES AT 16" OC (BOTH FACES).

FOR OPENINGS NOT SHOWN, PROVIDE L1 FOR OPENINGS UP TO 4'-0" AND L2 FOR OPENINGS UP TO 6'-0". CONTACT ARCH / EGR FOR LARGER OPENINGS.



NON LOAD BEARING LINTEL SCHEDULE

MASONRY OPENING	WALL TYPE	LINTEL
0'-0" TO 4'-0"	4" BRICK	L1
	6" / 8" / 10" / 12" CMU	U8 or L1
4'-0" TO 6'-6"	4" BRICK	L2
	6" CMU	L5 x 5 x 5/16
	8" CMU	L2
	10" / 12" CMU	L3
6'-6" TO 10'-0"	4" BRICK	L6 x 3 1/2 x 1/2 LLV
	6" CMU	L3
	8" / 10" / 12" CMU	L4
10'-0" TO 14'-0"	4" BRICK	-
	6" / 8" / 10" / 12" CMU	L4

FOR OPENINGS UNDER 4'-0", CM TO COORDINATE WHETHER STEEL OR MASONRY LINTELS WILL BE UTILIZED ON THE PROJECT.

CONCRETE REINFORCEMENT LAP SCHEDULE

BAR SIZE	VERTICAL BARS & HORIZONTAL BOTTTOM BARS		HORIZONTAL TOP BARS	
	DEVELOPMENT LENGTH	SPLICE LENGTH	DEVELOPMENT LENGTH	SPLICE LENGTH
#3	15"	19"	19"	25"
#4	19"	25"	25"	33"
#5	24"	31"	31"	41"
#6	29"	37"	37"	49"
#7	42"	54"	54"	71"

- HORIZONTAL BOTTOM BARS ARE THOSE PLACED WITH 12" OR LESS OF FRESH CONCRETE CAST BELOW THE BAR.
- HORIZONTAL TOP BARS ARE THOSE PLACED WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BAR.

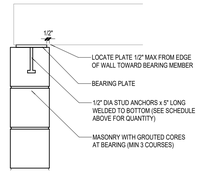
BEARING PLATE SCHEDULE

MARK	MATERIAL
BP1	3/8" x 4" x 8" STEEL PLATE W/ 1 ANCHOR
BP2	3/8" x 7" x 7" STEEL PLATE W/ 1 ANCHOR
BP2A	3/8" x 7" x 12" STEEL PLATE W/ 1 ANCHOR (USED AT ONE END OF HSS LINTELS)
BP3	1/2" x 6" x 9" STEEL PLATE W/ 1 ANCHOR
BP4	3/4" x 7" x 12" STEEL PLATE W/ 2 ANCHORS
BP5	1" x 7" x 12" STEEL PLATE W/ 2 ANCHORS
BP6	1" x 11" x 11" STEEL PLATE W/ 4 ANCHORS
BP7	1 1/2" x 7" x 20" STEEL PLATE W/ 4 ANCHORS

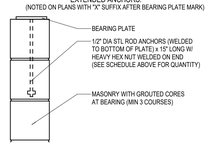
UNO, PROVIDE
- BP2 AT ALL K JOIST & BEAM BEARING LOCATIONS
- BP2 OR BP2A AT LINTEL BEARING LOCATIONS
- BP3 AT LH JOIST BEARING LOCATIONS

UNO:
- BEAMS ARE TO EXTEND TO WITHIN 1/2" OF FAR SIDE OF BEARING PLATE.
- AT BEAMS, PROVIDE MIN 2" OF 3/16" WELD EACH SIDE OF FLANGE TO PLATE
- AT JOISTS, WELD TO PLATE PER SJI REQUIREMENTS

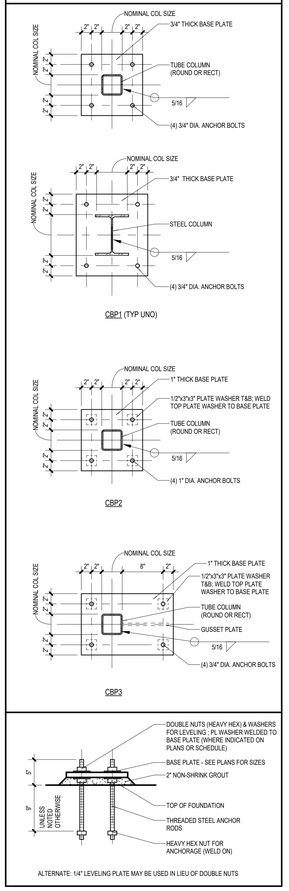
STANDARD ANCHORS:



EXTENDED ANCHORS:
(NOTED ON PLANS WITH "X" SUFFIX AFTER BEARING PLATE MARK)



COLUMN BASE PLATE SCHEDULE



ALTERNATE: 1/4" LEVELING PLATE MAY BE USED IN LIEU OF DOUBLE NUTS

FOOTING SCHEDULE

MARK	SIZE WIDTH	SIZE LENGTH	SIZE THK	REINFORCING
F24	24"	CONT.	12"	(2) #5 BARS CONT
F30	30"	CONT.	12"	(2) #5 BARS CONT
F36	36"	CONT.	12"	(3) #5 BARS CONT
F60	60"	CONT.	14"	(6) #5 BARS LONG WAY #5 BARS @ 12" OC SHORT WAY
F3x3	3'-0"	3'-0"	12"	(3) #5 BARS EACH WAY
F4x4	4'-0"	4'-0"	14"	(5) #5 BARS EACH WAY
F4x6	4'-0"	6'-0"	16"	(5) #5 BARS LONG WAY (7) #5 BARS SHORT WAY
F6x6	6'-0"	6'-0"	16"	(7) #6 BARS EACH WAY
TS	2x WALL WIDTH	CONT.	8"	(2) #5 BARS CONTINUOUS (SEE TYP THICKENED SLAB DETAIL)

UNLESS NOTED OTHERWISE. SEE TYPICAL WALL FOOTING AND TYPICAL COLUMN FOOTING DETAILS FOR ADDITIONAL INFORMATION. THICKENED SLAB REQUIRED UNDER ALL NEW NON-BEARING CMU WALLS (8" OR LARGER BLOCK).

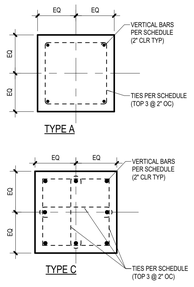
PIER SCHEDULE

MARK	SIZE WIDTH	SIZE LENGTH	SIZE HEIGHT	TYPE	REINFORCING
P1	18"	18"	VARIES	A	(4) #6 BARS VERTICAL & #3 TIES
P2	22"	22"	VARIES	A	(4) #7 BARS VERTICAL & #3 TIES
P3	24"	24"	VARIES	A	(4) #8 BARS VERTICAL & #3 TIES
P6	24"	48"	VARIES	C	(8) #8 BARS VERTICAL & #3 TIES

UNLESS NOTED OTHERWISE. SEE TYPICAL PIER DETAIL FOR ADDITIONAL INFO.

PROVIDE TOP (3) TIES @ 2" OC, REMAINDER @ 12" OC.

PROVIDE DOWELS INTO FOOTING TO MATCH VERTICAL REINF.



PIER DETAILS

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

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PROJECT NO. 5-6394

STRUCTURAL SCHEDULES

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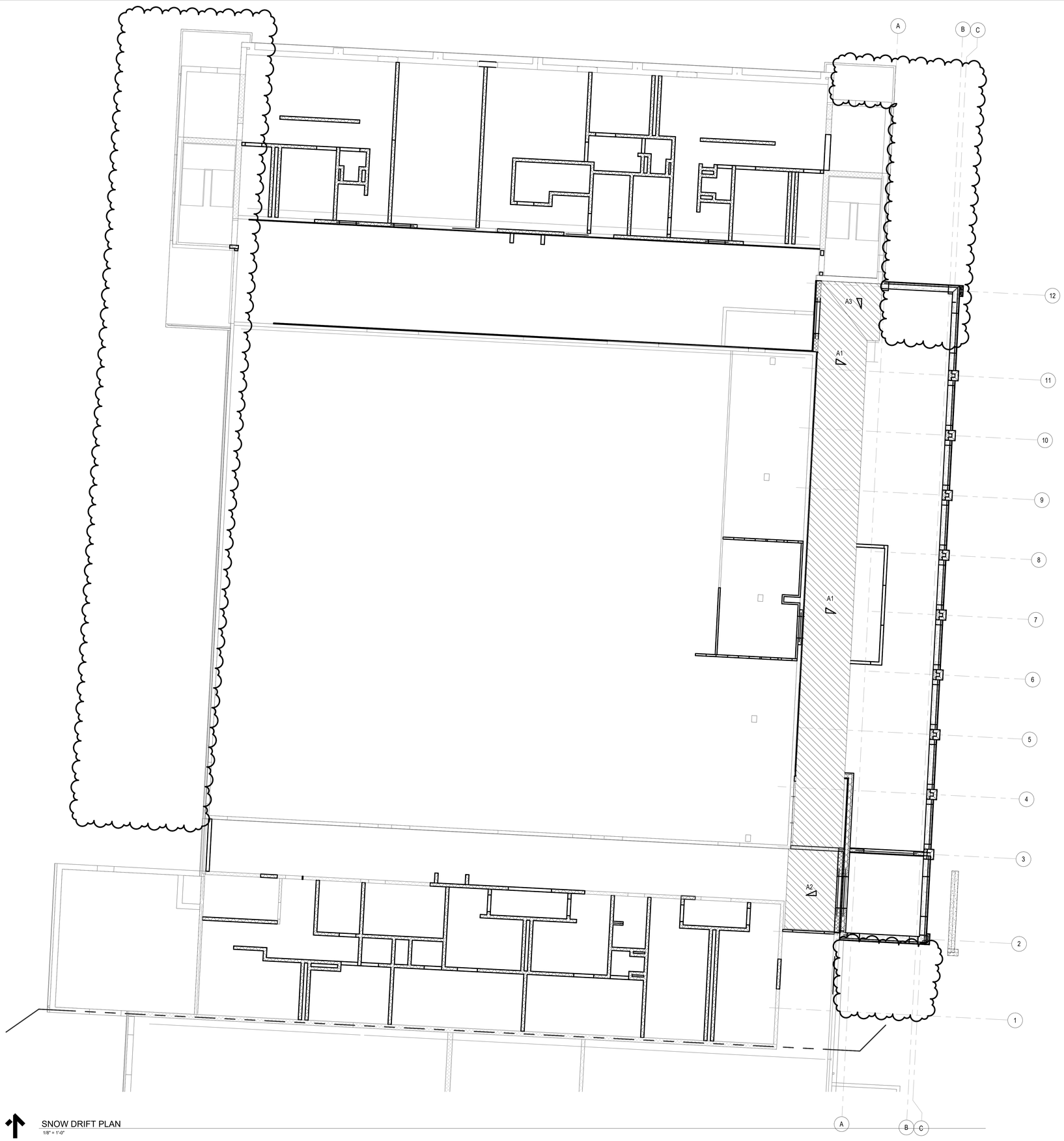
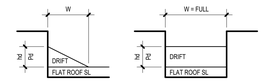


SNOW DRIFT PLAN
1/8" = 1'-0"

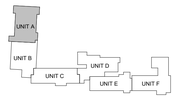
DRIFT LOAD SCHEDULE

MARK	TYPE	DRIFT		
		hd (feet)	Pd (psf)	W (feet)
A1	T	2.44	40.5	9.76
A2	T	2.34	36	10.10
A3	T	2.50	41.5	10.10



DRIFT TYPE 'T'

DRIFT TYPE 'F'



KEYPLAN

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PAMELA GORYL
ENGINEER
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SNOW DRIFT PLAN

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DENOTES ADDITIONAL WALL REINFORCING REQUIRED:

- (J2) (2) #5 VERT. BARS IN GROUTED CORES FROM TOP OF FOUNDATION TO BOTTOM OF LINTEL
- (J3) PROVIDE BARS THAT MATCH WALL REINFORCING IN EACH OF FIRST (3) CORES ADJACENT TO OPENING
- (J4) (4) #5 VERT BARS W/ #2 TIES @ 8" OC IN GROUTED CORES FROM TOP OF FOUNDATION TO BOTTOM OF LINTEL
- (SB) GROUTED ALL CORES SOLID FROM TOP OF FOUNDATION TO BOTTOM OF BEAM FOR FULL LENGTH OF SPREADER BEAM
- (H) DOWEL ADDITIONAL REINFORCING BARS AT JAMBS INTO FOOTING

NOTE:

REINFORCING NOTATION APPLIES TO ENTIRE LENGTH OF WALL (NOT JUST THE SECTION OF WALL WHERE THE NOTE HAPPENS TO BE) INCLUDING ABOVE AND BELOW OPENINGS WITHIN THE WALL NOTED.

SHEAR WALLS:

REQUIRE (1) VERTICAL BAR IN EACH OF FIRST (2) CORES AT EACH END, GROUTED FULL HEIGHT AND DOWELED INTO FOUNDATION. INDICATED AS THUS ON PLAN.

SHEAR WALL

CMU WALL CONTROL JOINTS

NOTE:

SPACE MASONRY WALL CONTROL JOINTS A MAXIMUM OF 3 TIMES THE WALL HEIGHT EXCEPT AS LIMITED TO LENGTHS GIVEN IN THE PLAN DETAIL BELOW.

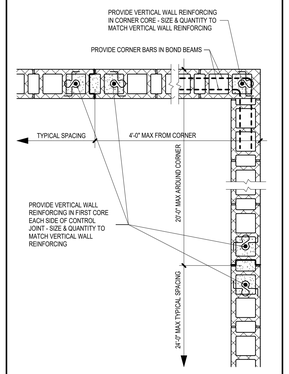
PROVIDE CONTROL JOINTS AT:
- CHANGES IN WALL HEIGHT OR THICKNESS.
- AT CONSTRUCTION JOINTS IN FOUNDATION WALLS, ROOFS AND FLOORS.
- AT COLUMNS.
- AT RETURN ANGLES IN L-SHAPED, T-SHAPED, AND U-SHAPED STRUCTURES.

DO NOT LOCATE CONTROL JOINTS WITHIN 2' - 0" OF AN ADJACENT OPENING.

GROUT, CONCRETE, REINFORCING BARS, HORIZONTAL JOINT REINFORCEMENT, AND BOND BEAMS SHALL BE DISCONTINUOUS AT CONTROL JOINTS FOR FULL HEIGHT OF WALL EXCEPT AT ROOF LEVEL, FLOOR LEVELS, AND TOP OF WALLS.

EXTEND CONTROL JOINTS THRU FACING IF IT IS RIGIDLY BONDED TO MASONRY. CONTROL JOINTS NEED NOT EXTEND THRU FACING WHEN BOND IS FLEXIBLE (SUCH AS WITH METAL VENEER TIES).

MASONRY CONTROL JOINTS NEED NOT ALIGN WITH VENEER MOVEMENT JOINTS.



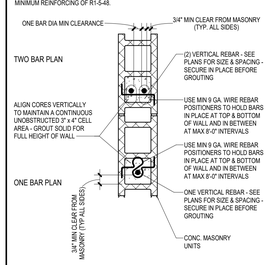
WALL PLAN DETAIL

CMU WALL REINFORCING SCHEDULE

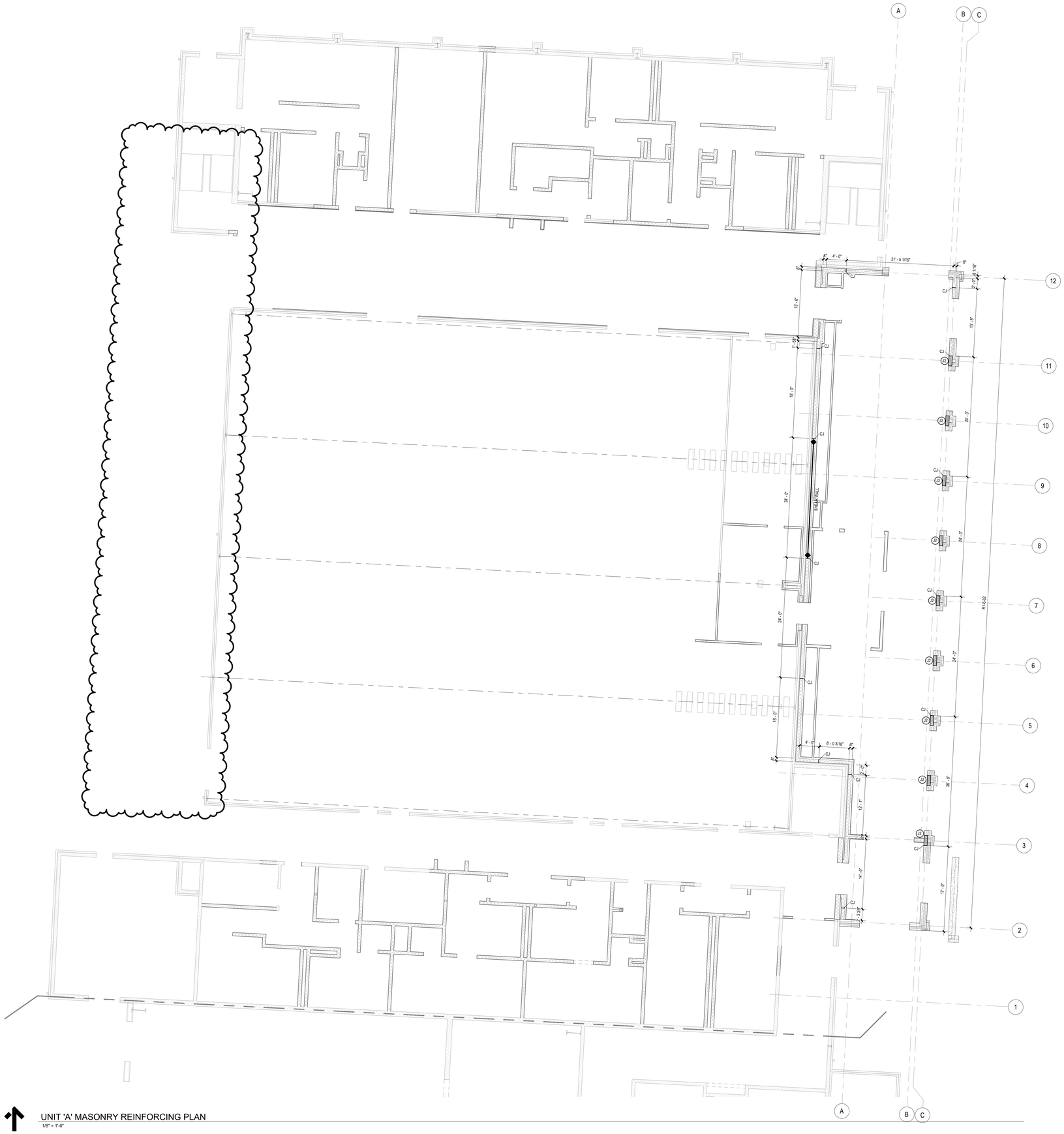
MARK	NUMBER OF BARS	BAR SIZE (GRADE 60)	BAR SPACING	REMARKS
R1-5-48	ONE	#5	48" OC	CENTER IN CORE
R1-6-32	ONE	#6	32" OC	CENTER IN CORE
R1-6-40	ONE	#6	40" OC	ONE EACH FACE

NOTE:

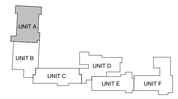
MINIMUM REINFORCING (FOR ALL WALLS NOT OTHERWISE NOTED) :
ALL BEARING WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.
ALL EXTERIOR WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.
ALL INTERIOR NON-BEARING WALLS OVER 16'-0" HIGH SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.



WALL REINFORCING DETAIL



UNIT 'A' MASONRY REINFORCING PLAN
1/8" = 1'-0"



KEYPLAN

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

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MASONRY REINFORCING PLAN

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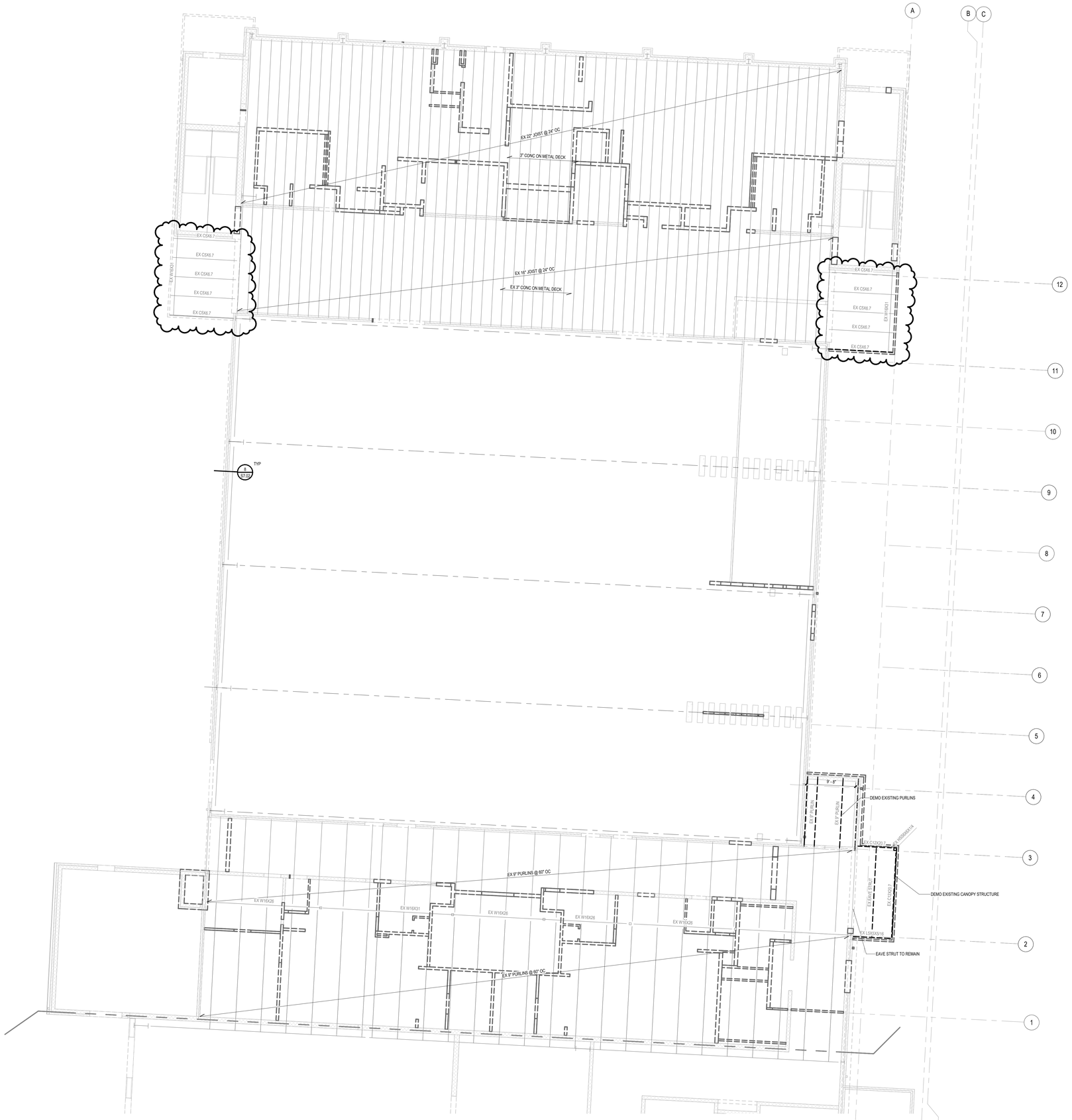
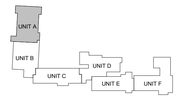


UNIT 'A' FLOOR AND LOW ROOF DEMOLITION PLAN

1/8" = 1'-0"



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UNIT 'A' FLOOR AND LOW ROOF DEMOLITION PLAN

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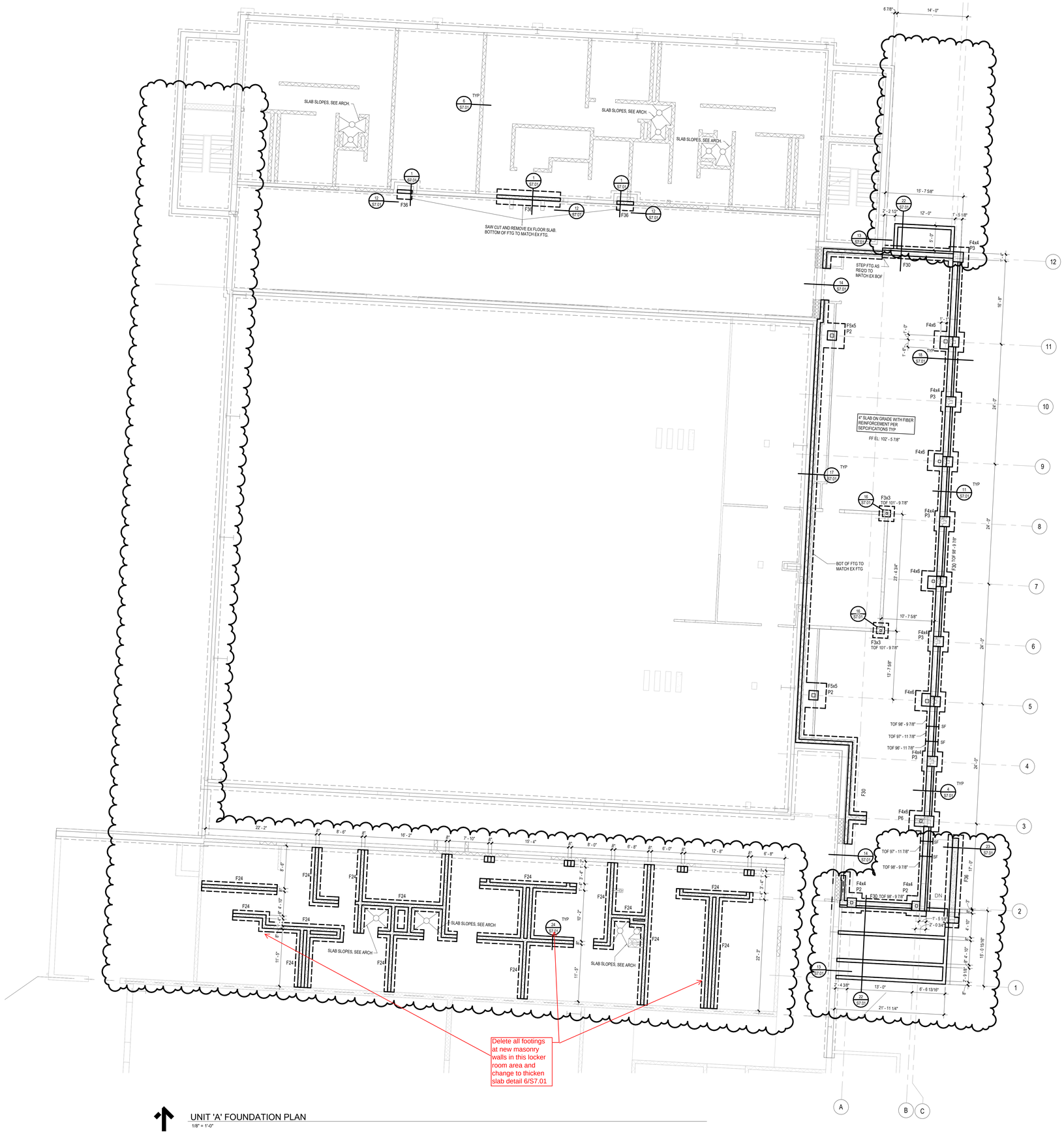

UNIT 'A' FOUNDATION PLAN

1/8" = 1'-0"

KEYPLAN

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Design, Inc.
STATE OF MICHIGAN
PAMELA GORYL
ENGINEER
No. 6201067463
REGISTERED PROFESSIONAL ENGINEER
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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

WESTERN WAYNE SCHOOLS

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UNIT 'A' FOUNDATION PLAN

S2.1A

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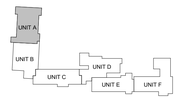
UNIT 'A' FLOOR AND LOW ROOF FRAMING PLAN
1/8" = 1'-0"



KEYPLAN

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Maze
Design, Inc.
STATE OF MICHIGAN
PAMELA GORYL
ENGINEER
No. 6201067483
LICENSED PROFESSIONAL ENGINEER
03/17/2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
01.16.2025 ADDENDUM 001
03.13.2025 BULLETIN 001

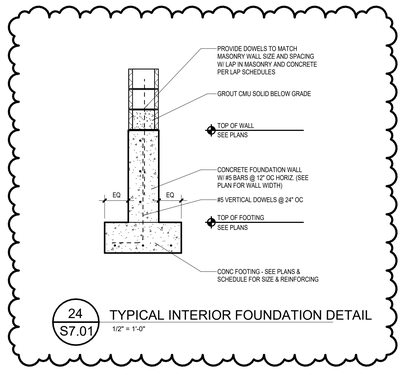
DRAWN SFG
REVIEWED AND

PROJECT NO. 5-6394

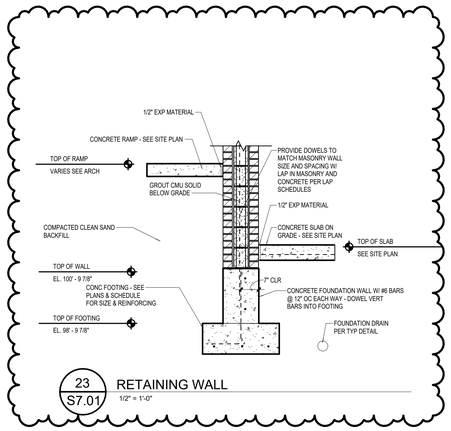
UNIT 'A' FLOOR AND LOW ROOF FRAMING PLAN

S3.1A

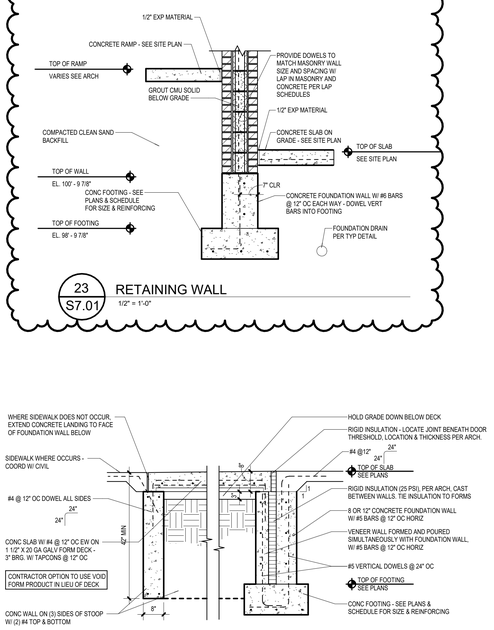
Autodesk Docs://5-6394 Western Wayne Schools Additions & Renovations/5-6394S 2025.rvt
3/12/2025 3:24:01 PM



24 S7.01 TYPICAL INTERIOR FOUNDATION DETAIL
1/2" = 1'-0"

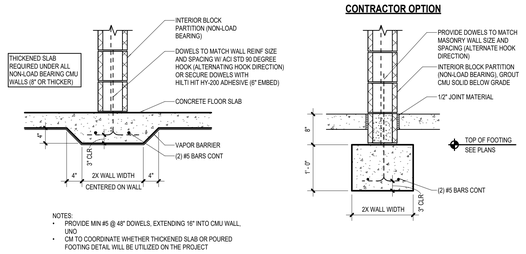


23 S7.01 RETAINING WALL
1/2" = 1'-0"



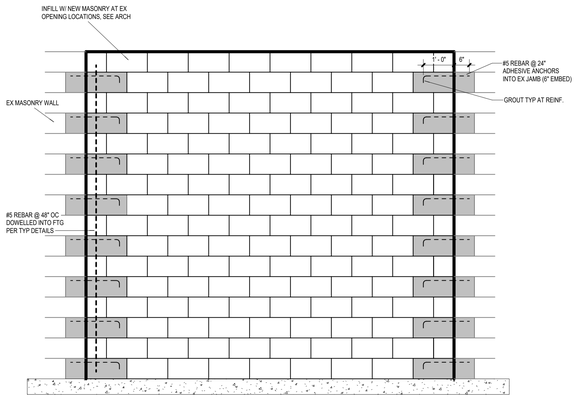
NOTE: COORDINATE THRESHOLD & SIDEWALK SLAB JOINT LOCATIONS & SLOPES WITH ARCH/CIVIL

22 S7.01 TYPICAL THRESHOLD DETAIL
1/2" = 1'-0"

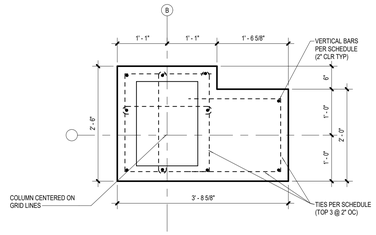


NOTES:
- PROVIDE MIN #5 @ 48" DOWELS, EXTENDING 16" INTO CMU WALL, UNO
- CM TO COORDINATE WHETHER THICKENED SLAB OR POURED FOOTING DETAIL WILL BE UTILIZED ON THE PROJECT

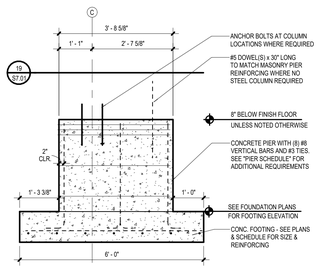
21 S7.01 TYPICAL THICKENED SLAB
3/4" = 1'-0"



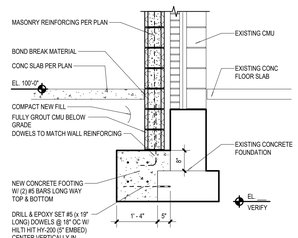
20 S7.01 MASONRY WALL INFILL
1/2" = 1'-0"



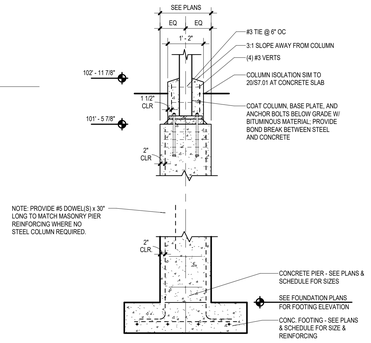
19 S7.01 PLAN VIEW OF MOMENT FRAME/X-BRACING PIER
3/4" = 1'-0"



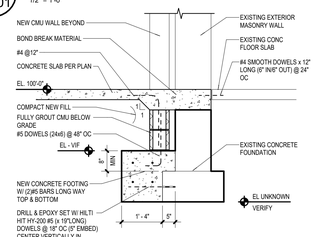
18 S7.01 MOMENT FRAME/X-BRACING PIER
1/2" = 1'-0"



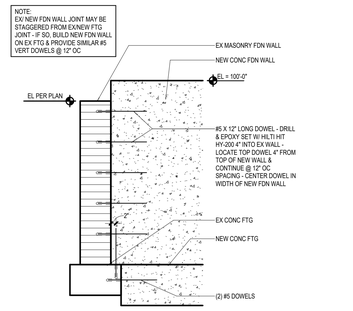
17 S7.01 FOUNDATION DETAIL
1/2" = 1'-0"



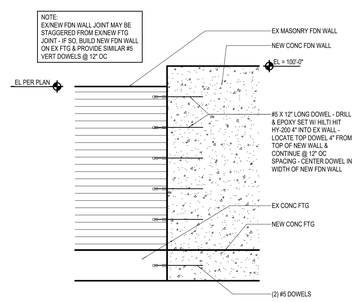
15 S7.01 TYPICAL PIER DETAIL
1/2" = 1'-0"



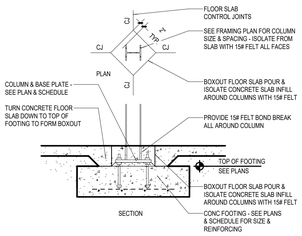
14 S7.01 THRESHOLD AT EXISTING
1/2" = 1'-0"



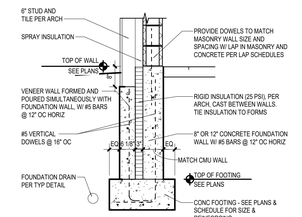
13 S7.01 FOUNDATION TO EXISTING
1/2" = 1'-0"



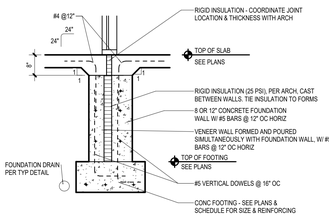
12 S7.01 FOUNDATION TO EXISTING
1/2" = 1'-0"



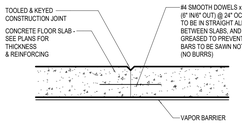
16 S7.01 FLOOR SLAB BOXOUT AT COLUMN
1/2" = 1'-0"



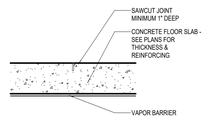
11 S7.01 FOUNDATION WALL WITH STUD AND TILE
1/2" = 1'-0"



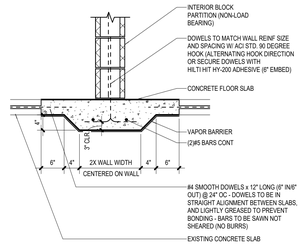
10 S7.01 FOUNDATION WALL AT GLASS
1/2" = 1'-0"



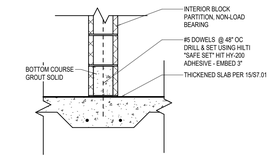
9 S7.01 TYPICAL CONSTRUCTION JOINT DETAIL
1" = 1'-0"



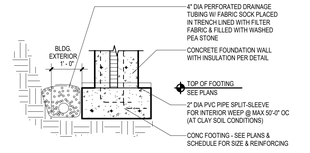
8 S7.01 TYPICAL CONTROL JOINT DETAIL
1 1/2" = 1'-0"



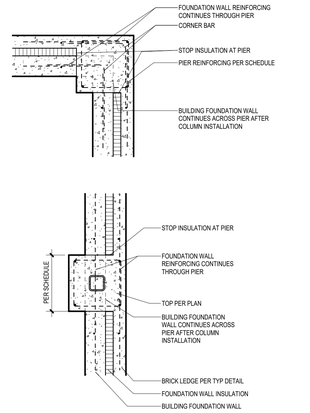
7 S7.01 THICKENED SLAB IN EXISTING
3/4" = 1'-0"



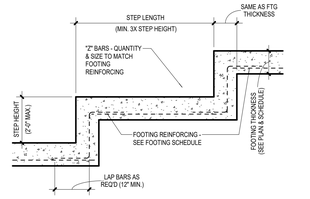
6 S7.01 TYPICAL LOWER FLOOR PARTITION
3/4" = 1'-0"



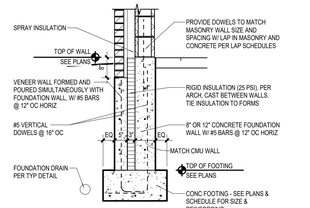
5 S7.01 TYPICAL FOUNDATION DRAIN
1/2" = 1'-0"



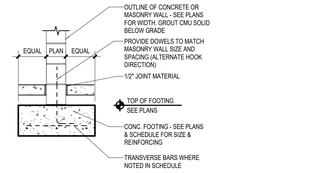
4 S7.01 PIER AT EXTERIOR WALL
1/2" = 1'-0"



3 S7.01 TYPICAL STEPPED FOOTING DETAIL
3/8" = 1'-0"



2 S7.01 FOUNDATION WALL WITH VENEER
1/2" = 1'-0"



1 S7.01 TYPICAL STRIP FOOTING
1/2" = 1'-0"

gmb Maze Design, Inc.
STATE OF MICHIGAN · PAMELA GORYL · ENGINEER · No. 6201067463 · LICENSED PROFESSIONAL ENGINEER
Pamela Goryl
03/17/2025

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CAMBRIDGE CITY, INDIANA

ISSUANCES
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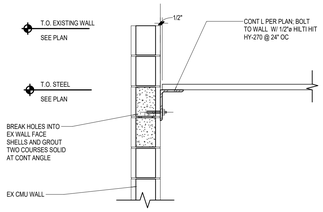
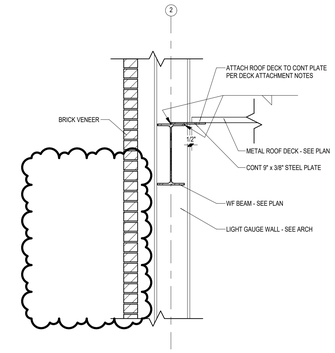
REVIEWED PMB
PROJECT NO. 5-6394

FOUNDATION DETAILS

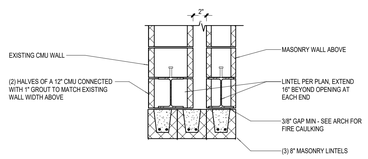
S7.01



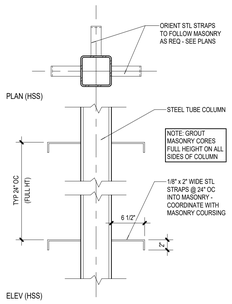


15 S7.02 MOMENT FRAME EDGE DETAIL @ CANOPY
3/4" = 1'-0"

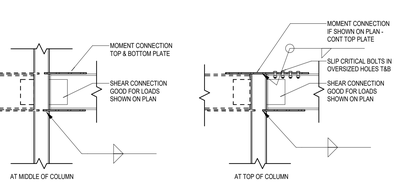
14 S7.02 JOIST BEARING ON MASONRY WALL
3/4" = 1'-0"



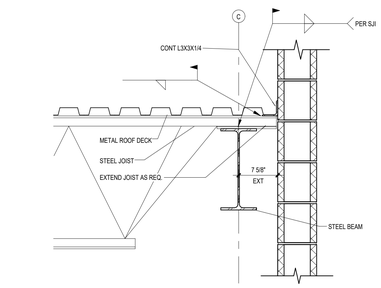
18 S7.02 DECK BEARING ON EXISTING MASONRY
3/4" = 1'-0"



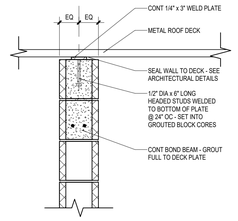
17 S7.02 FRAMING DETAIL
1" = 1'-0"



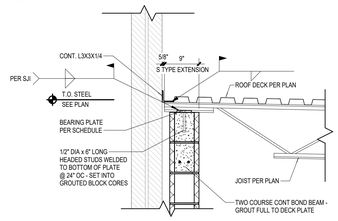
16 S7.02 HSS MOMENT CONNECTION TABLE
1/2" = 1'-0"



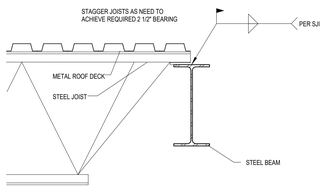
10 S7.02 JOIST BEARING ON BEAM
1" = 1'-0"



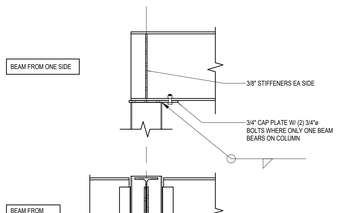
9 S7.02 WALL WELD PLATE DETAIL
1" = 1'-0"



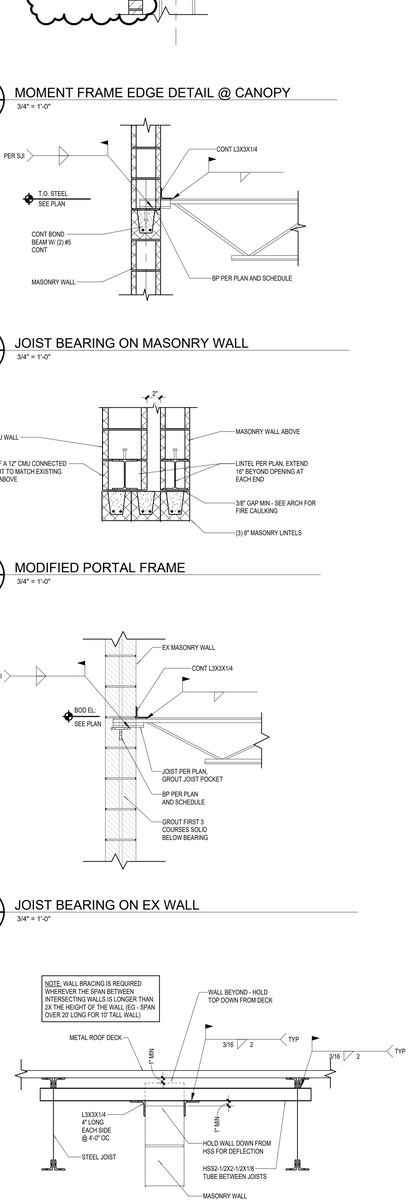
8 S7.02 JOIST BEARING CONDITION
3/4" = 1'-0"



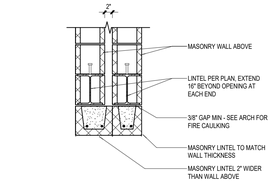
7 S7.02 JOIST BEARING ON BEAM
1" = 1'-0"



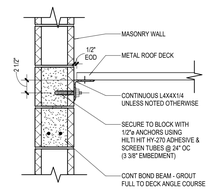
6 S7.02 TYPICAL BEAM AT HSS COLUMN
3/4" = 1'-0"



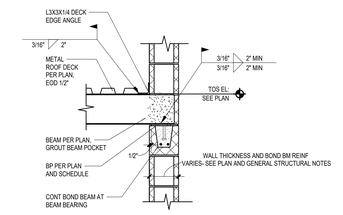
11 S7.02 WALL BRACING DETAIL
1" = 1'-0"



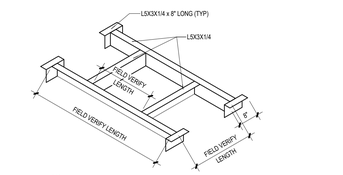
5 S7.02 PORTAL FRAME
3/4" = 1'-0"



4 S7.02 TYPICAL ROOF DECK ANGLE
1" = 1'-0"



3 S7.02 TYPICAL BEAM BEARING
3/4" = 1'-0"

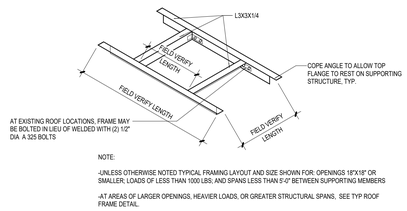


NOTE:

-UNLESS OTHERWISE NOTED TYPICAL FRAMING LAYOUT AND SIZE SHOWN FOR TYPICAL ROOF EQUIPMENT OPENINGS. SEE FRAMING PLAN (& COORD W/ ARCH & MECH PLANS) FOR LOCATIONS.

-AT LARGE OPENINGS, SEE FRAMING PLANS FOR FRAME MEMBER SIZES

2 S7.02 TYPICAL ROOF FRAME DETAIL
1/2" = 1'-0"



NOTE:

-UNLESS OTHERWISE NOTED TYPICAL FRAMING LAYOUT AND SIZE SHOWN FOR: OPENINGS 18"X18" OR SMALLER; LOADS OF LESS THAN 1000 LBS; AND SPANS LESS THAN 5'-0" BETWEEN SUPPORTING MEMBERS

-AT AREAS OF LARGER OPENINGS, HEAVIER LOADS, OR GREATER STRUCTURAL SPANS, SEE TYP ROOF FRAME DETAIL.

1 S7.02 SMALL ROOF FRAME DETAIL
1/2" = 1'-0"

gmb
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S7.02

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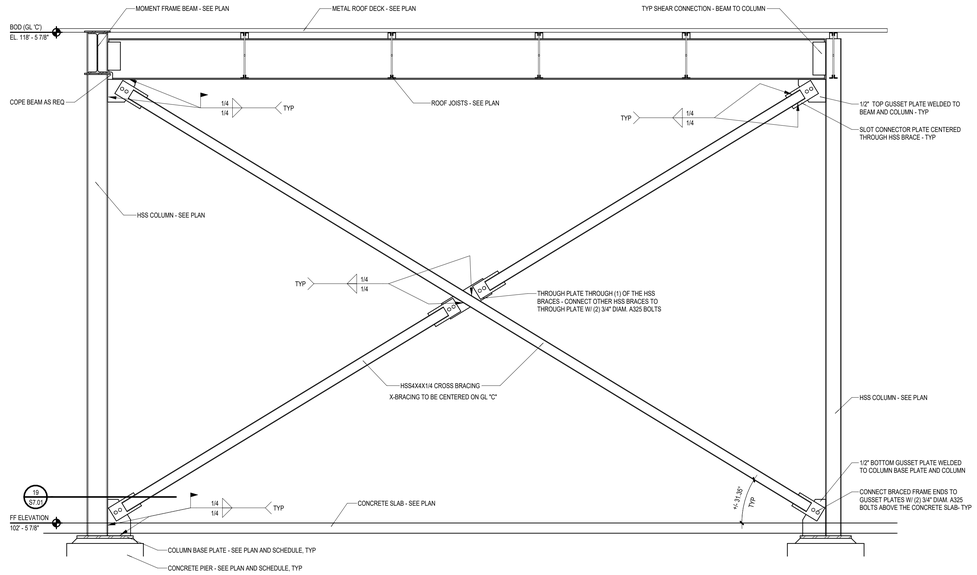

1
S7.03
CROSS-BRACING DETAIL - FULL BAY
1/2" = 1'-0"

ISSUANCES

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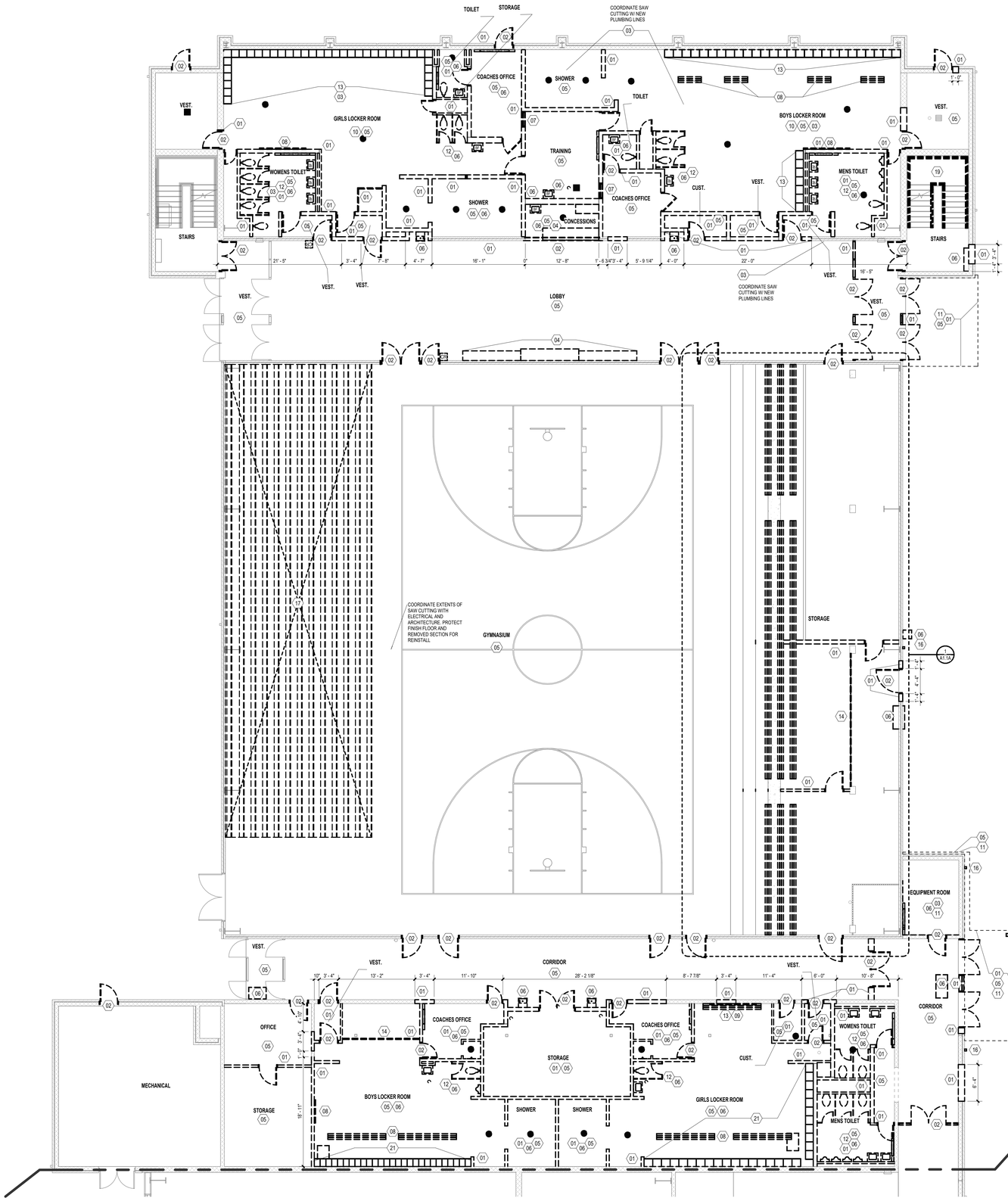
FRAMING DETAILS

S7.03



UNIT 'A' FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION NOTES

- DEMOLITION CONTRACTOR IS TO STOP WORK IMMEDIATELY IN AREA IF ASBESTOS IS ENCOUNTERED. NOTIFY CONSTRUCTION MANAGER OF SUSPECTED AREA SO PROPER ABATEMENT CAN BE DONE. (UNDER A SEPARATE ASBESTOS ABATEMENT CONTRACT AS NEGOTIATED BY OWNER.)
- ALL MASONRY BLOCK AND BRICK WALLS TO BE REMOVED MUST BE TOOTHED TO RECEIVE NEW MASONRY, UNLESS NOTED OTHERWISE ON DRAWINGS.
- DEMOLITION CONTRACTOR IS TO PROVIDE TEMPORARY SHORING AND BRACING FOR EXISTING ROOF/FLOOR STRUCTURE AS REQUIRED UNTIL PERMANENT WALLS & LINTELS ARE INSTALLED. REFER TO STRUCTURAL & ARCHITECTURAL DRAWINGS FOR BEARING CONDITIONS.
- ALL TRADES ARE TO COORDINATE ANY DEMOLITION, CAPPING OR ABANDONMENT OF EXISTING MECHANICAL, ELECTRICAL, PLUMBING OR ARCHITECTURAL ITEMS.
- ALL ITEMS TO BE SAVED AND/OR RELOCATED ARE TO BE STORED IN A PROPER MANNER SO NO DAMAGE WILL OCCUR TO THESE ITEMS DURING THEIR STORAGE PERIOD.
- ALL DEMOLITION WHICH DAMAGES ADJACENT SURFACES IS TO BE REPAIRED TO MATCH THE EXISTING SURFACE DAMAGED (MATERIALS & FINISHES) AND ALL REPAIR WORK IS TO BE COORDINATED WITH NEW CONSTRUCTION. FOR NEW OPENINGS IN EXISTING WALLS, COORDINATE NEW LINTELS W/ MASONRY CONTRACTOR.
- PATCH WALLS & ROOF TO MATCH EXISTING CONSTRUCTION BEHIND REMOVAL OF WALL LOUVERS, EXHAUST FANS, INTAKE HOODS & CABINET HEATERS. VERIFY SEQUENCE OF REMOVAL W/ CONSTRUCTION MANAGER. SEE MECHANICAL AND ELECTRICAL DEMOLITION SHEETS FOR WALL, ROOF & FLOOR OPENINGS TO BE PATCHED.
- ALL TRADES ARE TO COORDINATE THE REMOVAL OF EXISTING LOOSE EQUIPMENT WITH ARCHITECT AND/OR OWNER. ADDITIONAL EQUIPMENT FOUND THAT IS NOT NOTED ON DEMOLITION PLAN SHALL BE REMOVED AS PART OF GENERAL DEMOLITION AFTER VERIFICATION WITH ARCHITECT/OWNER.

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02 REMOVE EXISTING BORROWED LITE OR DOOR & DOOR FRAME. (DOOR LINTEL TO REMAIN UNLESS OTHERWISE NOTED ON PLAN - SEE STRUCTURAL FOR ADDITIONAL INFORMATION). WHERE DOOR FRAMES ARE TO REMAIN, PROTECT FRAMES FROM DAMAGE. SAND AND PREP FOR NEW PAINT FINISH UNDER SECTION 09 90 00. SEE DOOR SCHEDULE FOR REQUIRED NEW DOORS AND FRAMES OR ONLY NEW DOORS.

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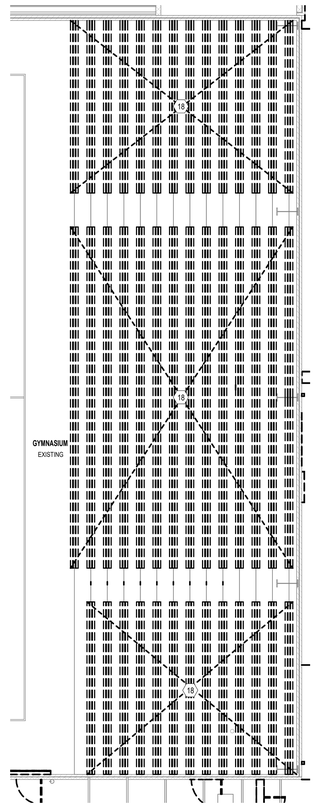

1 A1.1A BLEACHER DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION LEGEND

- EXISTING WALL TO BE DEMOLISHED
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gmb
Maze Design, Inc.
DAVID MICHAEL BOLT REGISTERED No. AR11500077 STATE OF INDIANA ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

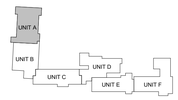
01.06.2025 BIDS & CONSTRUCTION
01.16.2025 ADDENDUM 001
01.22.2025 ADDENDUM 002
03.13.2025 BULLETIN 001

DRAWN JHB
REVIEWED AGS

PROJECT NO. 5-6394

UNIT 'A' FIRST FLOOR DEMOLITION PLAN

A1.1A



KEYPLAN

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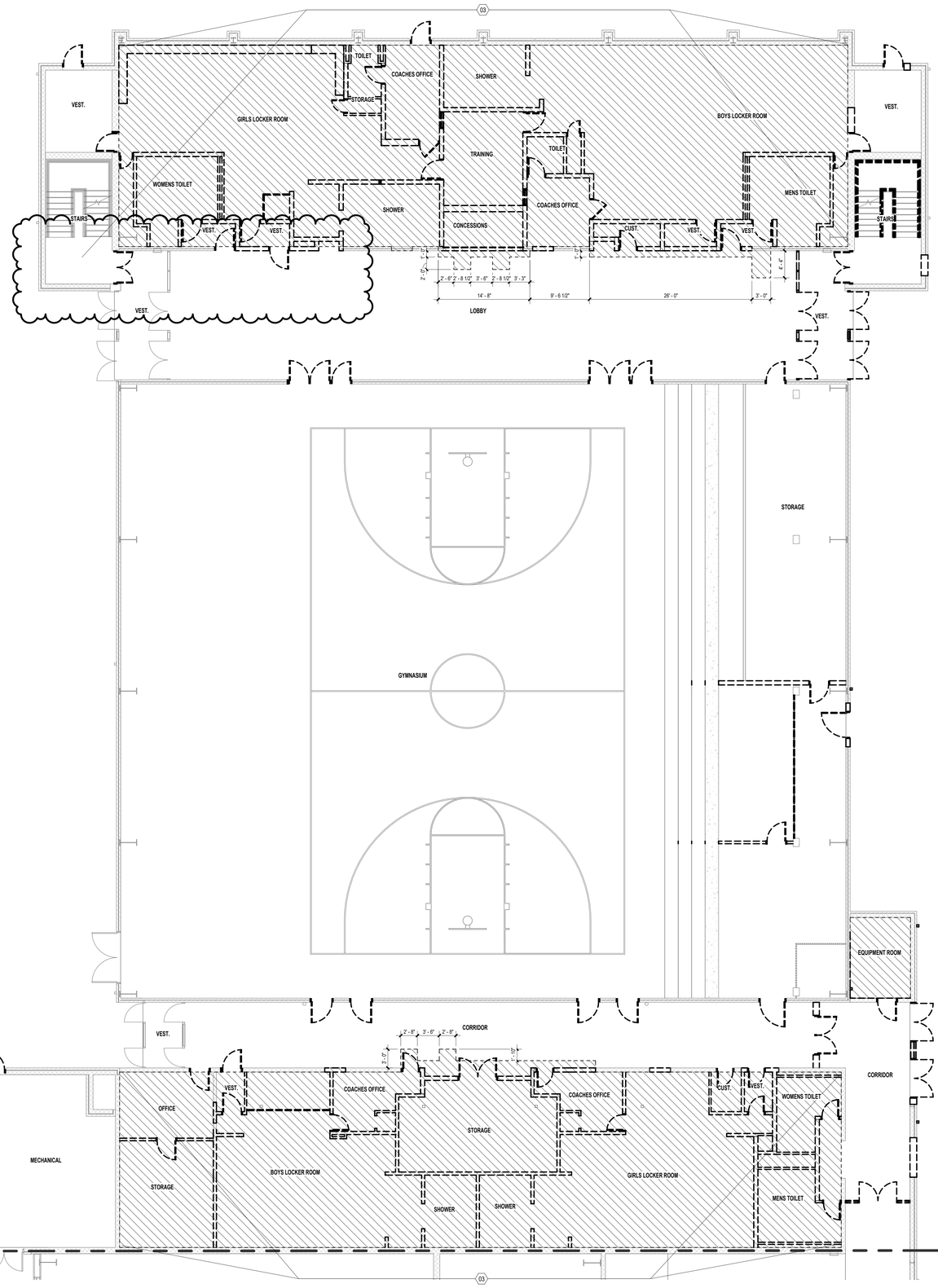

UNIT 'A' FIRST FLOOR FLOOR CUTTING PLAN

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- ALL TRADES ARE TO COORDINATE ANY DEMOLITION, CAPPING OR ABANDONMENT OF EXISTING MECHANICAL, ELECTRICAL, PLUMBING OR ARCHITECTURAL ITEMS.
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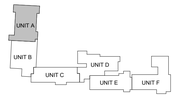

KEYPLAN

gmb
Maze Design, Inc.

DAVID MICHAEL BOLT REGISTERED No. AR11500077 STATE OF INDIANA ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

DRAWN JHB
REVIEWED AGS

PROJECT NO. 5-6394

UNIT 'A' FIRST FLOOR FLOOR CUTTING PLAN

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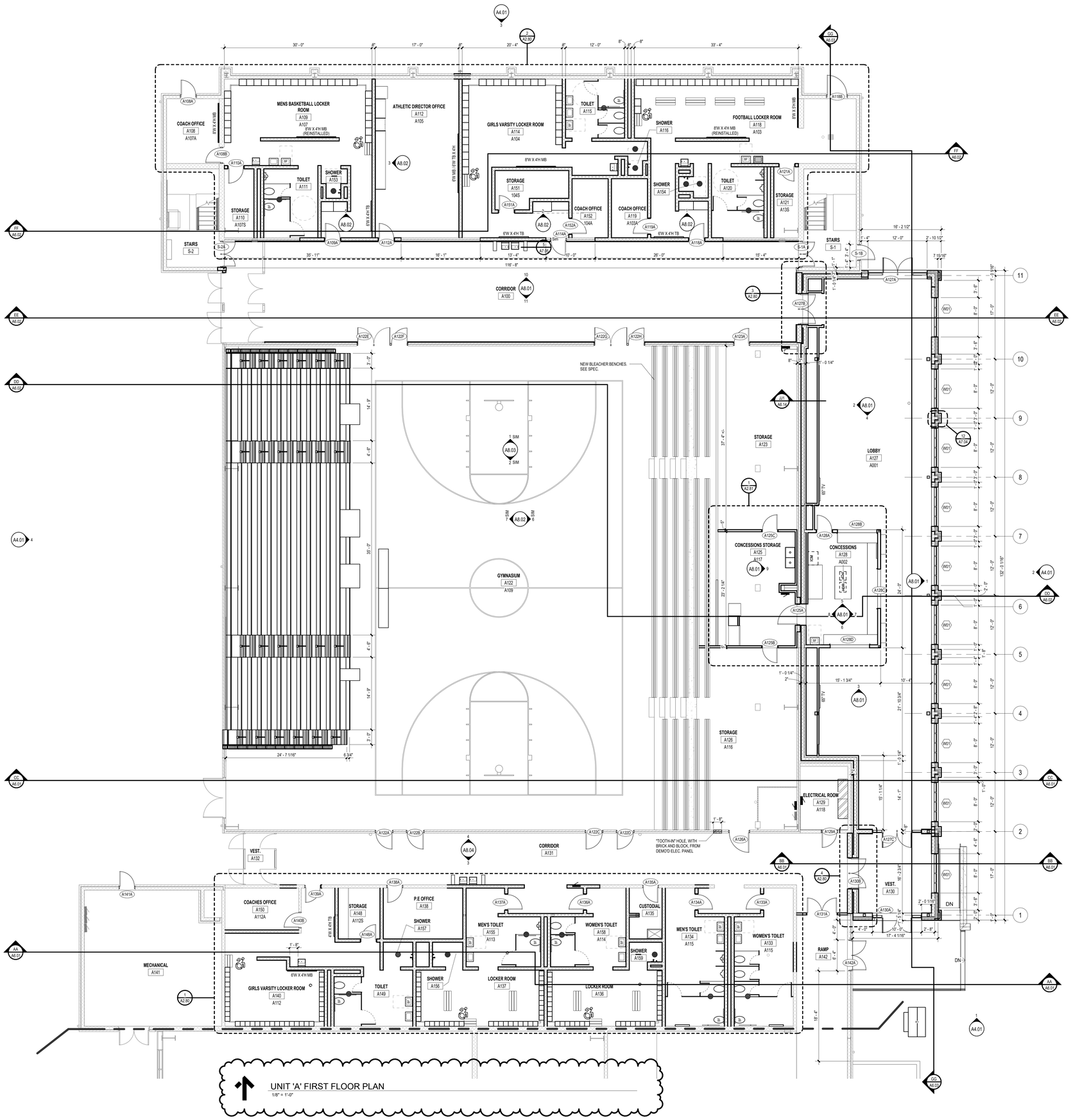

GENERAL FLOOR PLAN NOTES:

1. DIMENSIONS GIVEN ARE TO THE FACE OF MASONRY UNITS OR TO THE FINISHED FACE OF METAL STUD PARTITION WALLS.
2. REFERENCE STRUCTURAL DRAWINGS FOR CONCRETE SLAB SIZES AND SLAB RELATED INFORMATION.
3. INTERIOR STUD WALLS ARE TO USE 3 5/8" METAL STUD FRAMING UNLESS OTHERWISE NOTED.
4. TURN UP VAPOR RETARDER MATERIAL AT JOINTS BETWEEN FLOOR SLAB AND FOUNDATION WALL UNLESS NOTED OTHERWISE.
5. SEE FOUNDATION PLANS FOR FLOOR SLAB RECESSES FOR TILE, WOOD FLOOR, ETC. (VERIFY RECESS REQUIRED BY MFR.)
6. EXTEND ALL INTERIOR WALL PARTITIONS (MASONRY OR STUDS) TO BOTTOM OF DECK ABOVE UNLESS NOTED OTHERWISE.
7. REFERENCE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FOR ITEMS NOT SHOWN. COORDINATE AS REQUIRED INCLUDING NECESSARY FRAMING, BLOCKING, ETC.
8. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF ANY CABINETRY, FRAMES, STRUCTURAL ITEMS, ETC.
9. PROVIDE PAINTED ACCESS PANELS IN WALLS AND CEILINGS TO PROVIDE ACCESS TO CONCEALED ITEMS INCLUDING BUT NOT LIMITED TO VALVES, CONTROLS, MECH. EQUIPMENT, ETC. ACCESS PANELS MAY NOT ALWAYS BE SHOWN ON PLANS. IT IS THE SUB CONTRACTOR RESPONSIBILITY TO DETERMINE LOCATIONS. COORDINATE LOCATIONS WITH OTHER GENERAL CONTRACTOR / SITE SUPERVISOR.
10. COORDINATE WALLS WITH COLUMNS AND OTHER ENCASED ITEMS. COLUMNS ARE TO BE CONTAINED WITHIN WALLS. THE FRAMING CONTRACTOR SHALL INCREASE FRAMING SIZE TO ACCOMMODATE COLUMNS, DRAIN LEADERS, PIPING, ELECTRICAL PANELS, ETC. WHERE WALLS REQUIRE EXTRA WIDTH THE ENTIRE WALL SHALL BE WIDENED UNLESS APPROVED BY ARCHITECT.
11. ALL GUARDRAILS AND HANDRAILS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE 2015 M.B.C., ANSI ICC A117.1-2009 & AMERICANS WITH DISABILITIES ACT GUIDELINES. THE MOST STRINGENT SHALL PREVAIL.
12. PROVIDE MINIMUM CLEARANCES AT ALL DOORS PER DETAILS. SEE G0.01 FOR REQUIREMENTS.
13. FOR ALL CABINETRY, SEE INTERIOR ELEVATIONS FOR LAYOUTS. FIELD VERIFY CLEAR WIDTHS PRIOR TO FABRICATION.
14. ALL EXTERIOR BLOCK CORNERS ARE TO BE BULLNOSE BLOCK EXCEPT CONCRETE BLOCK COLUMNS, PIERS AND WALLS TO RECEIVE TILE - UNLESS NOTED OTHERWISE
15. CONTRACTOR TO MAINTAIN / REPAIR RATING OF EXISTING PARTITIONS AS AFFECTED BY DEMOLITION / NEW CONSTRUCTION. TYPICAL THROUGHOUT.
16. SEAL ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS WITH APPROVED FIRESTOPPING.
17. WHERE SPECIALTY BLOCK IS REQUIRED AT THE SAME HEIGHT ON BOTH SIDES OF A WALL USE (2) SPECIALTY BLOCKS BACK TO BACK TO MAINTAIN THE FINISHED WALL APPEARANCE BOTH SIDES OF THE WALL. COORDINATE WITH STRUCTURAL FOR LINTELS CONDITIONS PER SPECIFICATIONS.
18. WALLS TO BE PATCHED WITH LIKE MATERIALS WHERE EXISTING WALLS HAVE BEEN COMPROMISED FROM DEMOLITION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO REMOVAL AND REINSTALLATION OF CASEWORK AND WALL MOUNTED EQUIPMENT IN ORDER TO ACHIEVE SAID PATCH. IN AREAS WHERE BLOCK OR BRICK HAVE BEEN USED, NEW MASONRY TO BE TOOTHED IN AND MATCH EXISTING. AREAS AND FINISHES IN QUESTION SHALL BE COORDINATED WITH ARCHITECT.
19. SEE STRUCTURAL FRAMING PLANS FOR ADDITIONAL WALL REINFORCING REQUIREMENTS. MINIMUM REINFORCING (FOR ALL WALLS NOT OTHERWISE NOTED ON STRUCTURAL PLANS):
    A. ALL BEARING WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.
    B. ALL EXTERIOR WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.
    C. ALL INTERIOR NON-BEARING WALLS OVER 16'-0" HIGH SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.

WALL LEGEND

- 5/8" GYP. BOARD BOTH SIDES 3 5/8" LIGHT GA. METAL FRAMING AT 16" O.C. SOUND BATT. FULL HEIGHT OF WALL. WALLS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE
- 2 LAYERS OF 5/8" GYP. BOARD BOTH SIDES 3 5/8" LIGHT GA. METAL FRAMING AT 16" O.C. SOUND BATT FULL HEIGHT OF WALL. WALLS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE
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- CMU WALL SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN (8" TYPICAL U.N.O.)
- BRICK AND CMU WALL W/ 2" SPRAY APPLIED INSULATION SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN. SEE WALL SECTIONS FOR ADDITIONAL DETAILS. BANDING, ETC. (3 5/8" BRICK & 8" CMU TYPICAL U.N.O.)
- CMU WALL W/ GYP. BD. ON 3 5/8" MTL STUDS. SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN. SEE WALL SECTIONS FOR ADDITIONAL DETAILS. BANDING, ETC. (8" CMU TYPICAL U.N.O.)
- CMU WALL W/ 5/8" GYP. BOARD ON 1 1/2" HAT CHANNEL. SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN.
- 5/8" GYP. BOARD ON HAT CHANNEL REPEATING AT 16" O.C.

*FIRE RATINGS AS CALLED FOR ON CODE COMPLIANCE PLAN

*DIMENSIONS GIVEN ARE TO THE FINISHED FACE OF CMU OR GYPSUM WALL BOARD UNLESS NOTED OTHERWISE

FLOOR PLAN KEYNOTES

01 TOOTH-IN NEW CMU AND OR BRICK

02 INFILL WITH GYP. & MTL. STUDS

03 4' - 0" TALL BLOCK WALL

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01.22.2025 ADDENDUM 002
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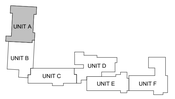
UNIT 'A' FIRST FLOOR PLAN

A2.1A



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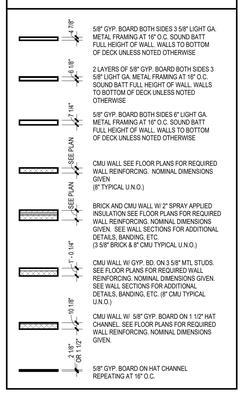
01. REMOVE EXISTING WALL INCLUDING DOORS, WINDOWS, BORROWED LITES, AND ANY EQUIPMENT OR FURNISHINGS ATTACHED TO WALL OR PORTION OF EXISTING WALL AS SHOWN ON FLOOR PLAN (MIN. 4" BELOW FLOOR SLAB) AND AS REQUIRED FOR NEW CONSTRUCTION. FLOOR SURFACE TO BE PATCHED AS REQUIRED TO RECEIVE NEW FLOOR MATERIAL. WALL SURFACE TO BE PATCHED AS REQUIRED TO RECEIVE NEW WALL FINISH. SEE MECHANICAL & ELECTRICAL DEMOLITION NOTES FOR RELATED ITEMS. SUPPORT UNBRACED SECTIONS OF WALL OR ROOF AS REQUIRED.
02. REMOVE EXISTING BORROWED LITE OR DOOR & DOOR FRAME. (DOOR LINTEL TO REMAIN UNLESS OTHERWISE NOTED ON PLAN - SEE STRUCTURAL FOR ADDITIONAL INFORMATION). WHERE DOOR FRAMES ARE TO REMAIN, PROTECT FRAMES FROM DAMAGE. SAND AND PREP FOR NEW PAINT FINISH UNDER SECTION 09 90 00. SEE DOOR SCHEDULE FOR REQUIRED NEW DOORS AND FRAMES OR ONLY NEW DOORS.
03. SAW CUT AND REMOVE FLOOR OR PORTION OF EXISTING FLOOR SLAB AS SHOWN OR DIMENSIONED ON FLOOR PLAN. EXCAVATE, FILL & COMPACT SOIL AS REQUIRED FOR NEW SLAB. COORDINATE WITH MECHANICAL/ELECTRICAL DEMOLITION NOTES FOR RELATED ITEMS & LOCATIONS. INSTALL NEW SLAB TO MATCH EXISTING ELEVATION. SEE STRUCTURAL FOR ADDITIONAL INFORMATION REGARDING SLAB REMOVAL.
04. REMOVE EXISTING CASEWORK/MILLWORK, COUNTER TOPS & BACK SPLASH. SAVE ITEMS AT OWNER'S REQUEST.
05. REMOVE EXISTING SUSPENDED/PLASTER CEILING - INCLUDING ALL FRAMING, TILES, TEES, HANGERS & WIRES USED TO SUPPORT THAT CEILING. REPLACE PER REFL. CEILING PLANS.
06. SEE MECHANICAL DEMOLITION NOTES FOR REMOVAL OF EXIST. PLUMBING/MECHANICAL (i.e. LAVATORIES, SINKS, WATER CLOSETS, URINALS, FIN TUBE, MECH. DUCTWORK, UNIT VENTS, ETC.)
07. REMOVE EXISTING WINDOW, WINDOW WALL WITH ALUMINUM FRAMING WITH METAL PANELS BELOW WINDOW, FRAME, SILL & GLAZING INCLUDING ALL EXISTING WOOD BLOCKING AND FRAMING ABOVE WINDOWS TO ROOF AND/OR MASONRY TIES AT BRICK PIERS AND SIDE WALLS.
08. REMOVE EXISTING EQUIPMENT OR FURNISHINGS SECURED TO FLOOR, WALL OR CEILING AND STORE FOR REUSE BY OWNER.
09. REMOVE EXISTING CHALK, TACK OR WHITE BOARD. REMOVE ALL GLUE RESIDUE, ETC. FROM BLOCK BEHIND BOARD AND PREPARE SURFACE FOR NEW FINISH MATERIALS WHERE REQUIRED.
10. REMOVE EXISTING FLOOR COVERING AND BASE, INCLUDING ALL GLUE RESIDUE, MUDDEDS, ETC. FROM FLOORS & WALLS AND PREPARE SURFACE FOR NEW FINISH MATERIALS, INCLUDING GRINDING, PATCHING AND/OR SELF-LEVELING COMPOUND AS REQUIRED. WALL & FLOOR SURFACE TO RECEIVE NEW FINISH MATERIAL & PATCH TO MATCH EXISTING.
11. REMOVE PORTION OF EXISTING ROOF & STRUCTURE (AS SHOWN ON DEMOLITION PLAN). PROVIDE TEMPORARY WEATHER PROTECTION AS NEEDED AROUND PERIMETER OF ROOF REMOVAL AS REQUIRED. PROVIDE TEMPORARY SHORING & BRACING AS REQUIRED.
12. REMOVE EXISTING TOILET PARTITION, DISPENSERS AND/OR TOILET ACCESSORIES AND REPAIR ADJACENT SURFACES TO RECEIVE NEW FINISHES.
13. REMOVE EXISTING LOCKERS AND LOCKER BASE. CUT SLOPED LOCKER TOP & BASE AS NECESSARY. RE-USE/RELOCATE EXISTING END PANEL(S) AS REQUIRED. REVISE & PREPARE FOR NEW FINISHES.
14. REMOVE FENCE AND PREP AFFECTED FLOORS AND WALLS FOR NEW FINISHES. SAVE ITEMS AT OWNER'S REQUEST.
15. REMOVE EXISTING WINDOW BLINDS. PREP AFFECTED WALLS FOR NEW FINISHES.
16. REMOVE DOWNSPOUT. CLEAN ADJACENT BRICK.
17. REMOVE EXISTING BLEACHER STRUCTURE.
18. REMOVE EXISTING BLEACHER BENCH, AND OTHER FURNISHING ATTACHED TO CONCRETE BLEACHERS. SAVE ITEMS AT OWNER'S REQUEST. PREP FOR INSTALLATION OF NEW BENCHES
19. REMOVE EXISTING RAILING, AND EQUIPMENT ATTACHED TO RAILING AND PREP FOR NEW RAILING AND EQUIPMENT
20. REMOVE AND REPLACE DAMAGED CEILING TILES.
21. REMOVE EXISTING LOCKERS AND ACCESSORIES FOR NEW FINISH AND RE-INSTALLATION. REFER TO ENLARGED FLOOR PLANS FOR ADDITIONAL INFORMATION

DEMOLITION LEGEND

- EXISTING WALL TO BE DEMOLISHED
- PORTION OF EXISTING WALL TO BE DEMOLISHED
- EXISTING OBJECT TO BE DEMOLISHED
- AREA OF FLOOR CUTTING
- AREA OF CEILING REMOVAL AND REINSTALL
- EXISTING WALLS TO REMAIN
- EXISTING OBJECTS TO REMAIN
- XX — DEMOLITION TAG: SEE DEMOLITION NOTES
- ROOM NAME / FLOOR FINISH / CEILING FINISH — EXISTING ROOM FINISH INFORMATION; ROOM NAME, FLOORING TYPE, CEILING TYPE

WALL LEGEND

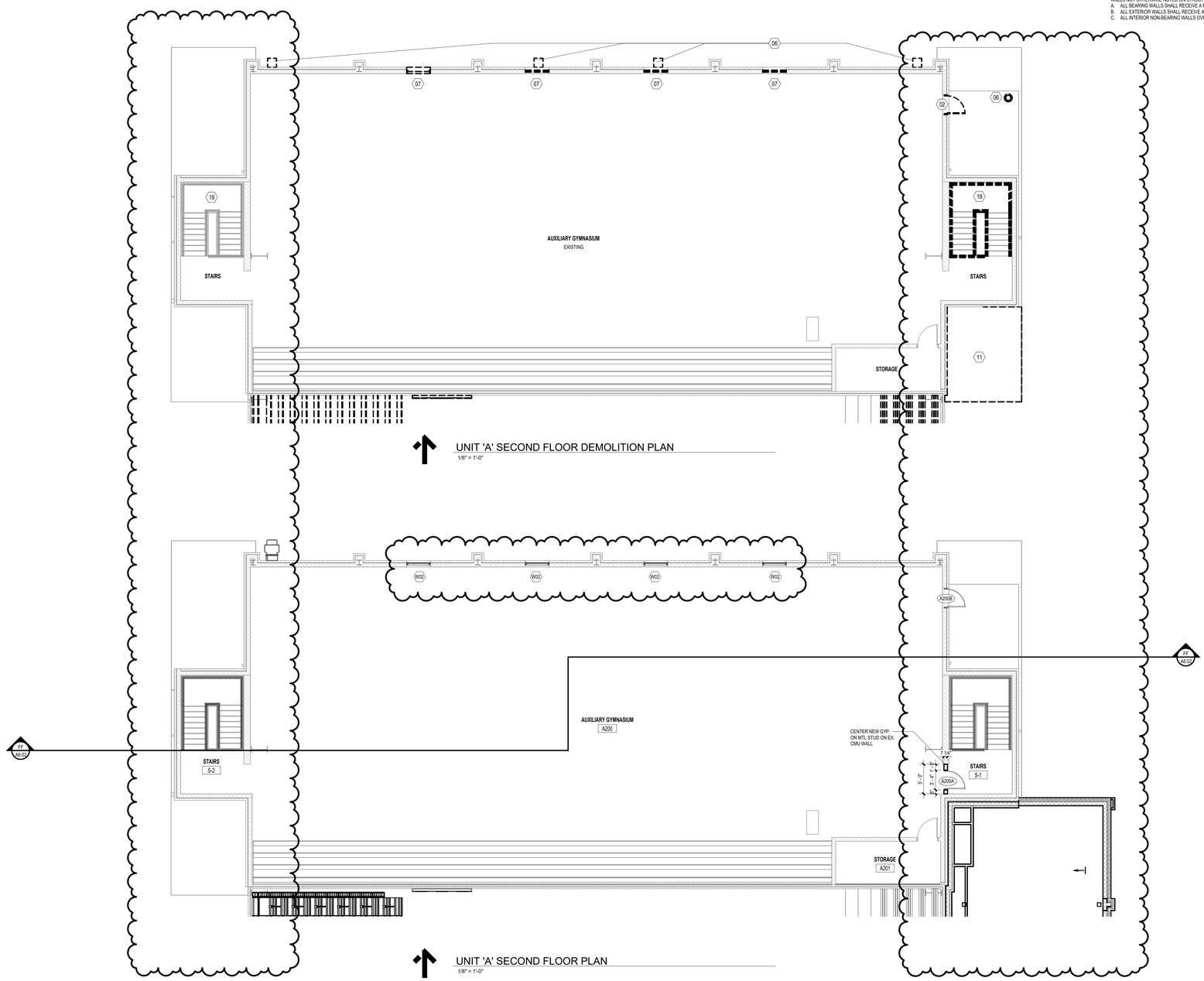


-FIRE RATINGS AS CALLED FOR ON CODE COMPLIANCE PLAN

-DIMENSIONS GIVEN ARE TO THE FINISHED FACE OF CMU OR GYPSUM WALL BOARD UNLESS NOTED OTHERWISE

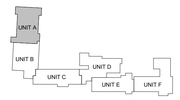
GENERAL FLOOR PLAN NOTES:

1. DIMENSIONS GIVEN ARE TO THE FACE OF MASONRY UNITS OR TO THE FINISHED FACE OF METAL STUD PARTITION WALLS.
2. REFERENCE STRUCTURAL DRAWINGS FOR CONCRETE SLAB SIZES AND SLAB RELATED INFORMATION.
3. INTERIOR STUD WALLS ARE TO USE 3 5/8" METAL STUD FRAMING UNLESS OTHERWISE NOTED.
4. TURN UP VAPOR RETARDER MATERIAL AT JOINTS BETWEEN FLOOR SLAB AND FOUNDATION WALL UNLESS NOTED OTHERWISE.
5. SEE FOUNDATION PLANS FOR FLOOR SLAB RECESSES FOR TILE, WOOD FLOOR, ETC. (VERIFY RECESS REQUIRED BY MFR.)
6. EXTEND ALL INTERIOR WALL PARTITIONS (MASONRY OR STUDS) TO BOTTOM OF DECK ABOVE UNLESS NOTED OTHERWISE.
7. REFERENCE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FOR ITEMS NOT SHOWN. COORDINATE AS REQUIRED INCLUDING NECESSARY FRAMING, BLOCKING, ETC.
8. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF ANY CABINETRY, FRAMES, STRUCTURAL ITEMS, ETC.
9. PROVIDE PAINTED ACCESS PANELS IN WALLS AND CEILINGS TO PROVIDE ACCESS TO CONCEALED ITEMS INCLUDING BUT NOT LIMITED TO VALVES, CONTROLS, MECH. EQUIPMENT, ETC. ACCESS PANELS MAY NOT ALWAYS BE SHOWN ON PLANS. IT IS THE SUB CONTRACTOR RESPONSIBILITY TO DETERMINE LOCATIONS. COORDINATE LOCATIONS WITH OTHER GENERAL CONTRACTOR / SITE SUPERVISOR.
10. COORDINATE WALLS WITH COLUMNS AND OTHER ENCASED ITEMS. COLUMNS ARE TO BE CONTAINED WITHIN WALLS. THE FRAMING CONTRACTOR SHALL INCREASE FRAMING SIZE TO ACCOMMODATE COLUMNS, DRAIN LEADERS, PIPING, ELECTRICAL PANELS, ETC. WHERE WALLS REQUIRE EXTRA WIDTH THE ENTIRE WALL SHALL BE WIDENED UNLESS APPROVED BY ARCHITECT.
11. ALL GUARDRAILS AND HANDRAILS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE 2015 M.B.C., ANSI ICC A117.1-2009 & AMERICANS WITH DISABILITIES ACT GUIDELINES. THE MOST STRINGENT SHALL PREVAIL.
12. PROVIDE MINIMUM CLEARANCES AT ALL DOORS PER DETAILS. SEE G0.01 FOR REQUIREMENTS.
13. FOR ALL CABINETRY, SEE INTERIOR ELEVATIONS FOR LAYOUTS. FIELD VERIFY CLEAR WIDTHS PRIOR TO FABRICATION.
14. ALL EXTERIOR BLOCK CORNERS ARE TO BE BULLNOSE BLOCK EXCEPT CONCRETE BLOCK COLUMNS, PIERS AND WALLS TO RECEIVE TILE - UNLESS NOTED OTHERWISE.
15. CONTRACTOR TO MAINTAIN / REPAIR RATING OF EXISTING PARTITIONS AS AFFECTED BY DEMOLITION / NEW CONSTRUCTION. TYPICAL THROUGHOUT.
16. SEAL ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS WITH APPROVED FIRESTOPPING.
17. WHERE SPECIALTY BLOCK IS REQUIRED AT THE SAME HEIGHT ON BOTH SIDES OF A WALL USE (2) SPECIALTY BLOCKS BACK TO BACK TO MAINTAIN THE FINISHED WALL APPEARANCE BOTH SIDES OF THE WALL. COORDINATE WITH STRUCTURAL FOR LINTELS CONDITIONS PER SPECIFICATIONS.
18. WALLS TO BE PATCHED WITH LIKE MATERIALS WHERE EXISTING WALLS HAVE BEEN CONFIMISED FROM DEMOLITION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO REMOVAL AND REINSTALLATION OF CASEWORK AND WALL MOUNTED EQUIPMENT IN ORDER TO ACHIEVE SAID PATCH. IN AREAS WHERE BLOCK OR BRICK HAVE BEEN USED, NEW MASONRY TO BE TOOTHED IN AND MATCH EXISTING. AREAS AND FINISHES IN QUESTION SHALL BE COORDINATED WITH ARCHITECT.
19. SEE STRUCTURAL FRAMING PLANS FOR ADDITIONAL WALL REINFORCING REQUIREMENTS. MINIMUM REINFORCING (FOR ALL WALLS NOT OTHERWISE NOTED ON STRUCTURAL PLANS):
    A. ALL BEARING WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.
    B. ALL EXTERIOR WALLS SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.
    C. ALL INTERIOR NON-BEARING WALLS OVER 16'-0" HIGH SHALL RECEIVE A MINIMUM REINFORCING OF R1-5-48.



UNIT 'A' SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"

UNIT 'A' SECOND FLOOR PLAN
1/8" = 1'-0"



KEYPLAN

gmb
Maze Design, Inc.
DAVID MICHAEL BOLT REGISTERED No. AR11500077 STATE OF INDIANA ARCHITECT
3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

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REVIEWED AGS

PROJECT NO. 5-6394

UNIT 'A' SECOND FLOOR PLANS

A2.2A

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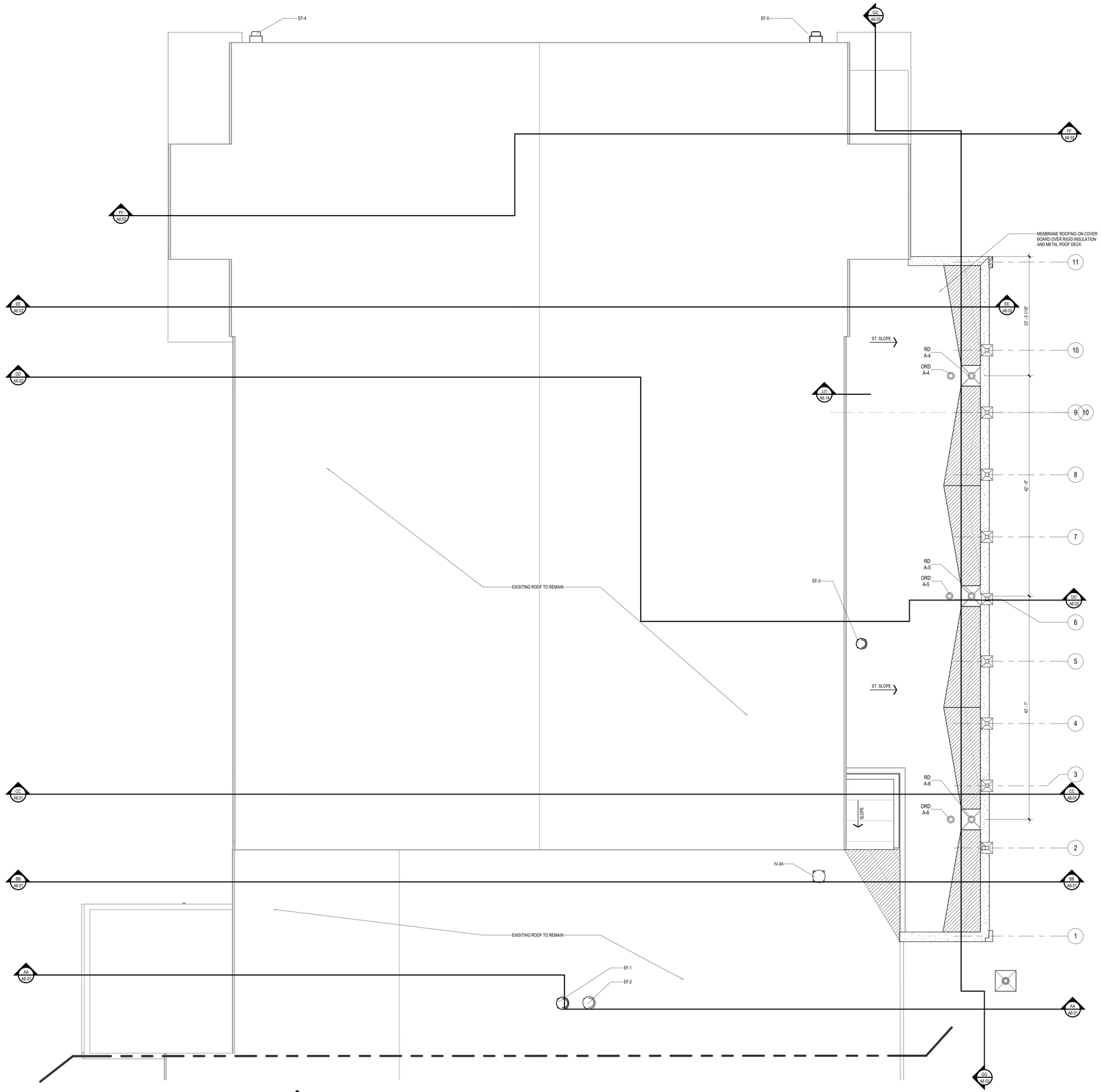

UNIT 'A' ROOF PLAN
1/8" = 1'-0"

LEGEND

- TAPERED RIGID INSULATION (4" - 0" SECTIONS) 1/4" PER FOOT SLOPE UNLESS OTHERWISE NOTED
- TAPERED RIGID INSULATION (4" - 0" SECTIONS @ 1/2" SLOPE PER FOOT AT CRICKETS) CRICKETS SLOPE TO ROOF DRAINS.
- ST. SLOPE — DIRECTION OF STRUCTURAL ROOF SLOPE (SEE STRUCTURAL PLANS FOR ROOF FRAMING SLOPES)
- SLOPE — DIRECTION OF ROOF SLOPE WITH TAPERED INSULATION
- STANDARD ROOF DRAIN
- C-RD-5-1 — ROOF DRAIN LABEL
  - ROOF DRAIN NUMBER
  - ROOF AREA (SEE ROOF KEYPLAN)
  - RD OR ORD
  - C OR NOTHING
- + 7 1/4" — THICKNESS OF TAPERED INSULATION AT PERIMETER OR DRAIN (NOT INCLUDING BASE INSULATION THICKNESS)
- CR#1 — CORE SAMPLE LOCATIONS SEE LEGEND FOR DESCRIPTION
- ROOF HATCH
- ROOF WALKWAY PAD (SEE SPEC. FOR MATERIAL)

GENERAL NOTES

1. ROOF DETAILS - LOCATED ON SHEET A7.04
   - ROOF DRAIN
   - ROOF OVERFLOW DRAIN
   - FASTENING ENHANCEMENT AT CORNER - SEE SPEC AND DETAIL
   - PLUMBING VENT
   - STACK FLASHING
   - METAL COPING SPLICE DETAIL
   - ROOF CURB DETAIL
2. RE-ROOFING EXISTING NAILERS / BLOCKING TO REMAIN: CONTRACTOR TO FIELD VERIFY THE EXISTING NAILERS / BLOCKING WILL COMPLY TO MEET THE WIND UP LIFT CRITERIA. REMOVE ALL DAMAGED NAILERS / BLOCKING AND / OR INSTALL ADDITIONAL FASTENER AS REQUIRED TO COMPLY.
3. REFER TO PLUMBING DRAWINGS FOR LOCATION AND NUMBER OF PLUMBING VENTS THRU ROOF.
4. REFER TO MECHANICAL DRAWINGS TO COORDINATE ALL ROOF PENETRATIONS & LOCATIONS.
5. PROVIDE 1/2" TAPERED CRICKETS AT ALL ROOF HATCHES AND MECHANICAL ROOF PENETRATIONS UNLESS OTHERWISE NOTED. TAPER SHALL PROVIDE DRAINAGE AROUND HATCH AND EQUIPMENT.
6. SEE SPECIFICATION FOR ROOFING SYSTEM TO BE USED AND ROOF PLAN FOR LOCATIONS OF TAPERED INSULATION AND OR SLOPE CHANGES OF ROOF.
7. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL SQUARE FOOTAGE VALUES NOTED ON PLANS
8. IN AREAS WHERE EXISTING ROOF DRAINS ARE BEING REPLACED WITH NEW ROOF DRAIN TO BE INSTALLED IN THE EXACT LOCATION OF EXISTING AND WILL BE CONNECTED TO EXISTING PIPING AS REQUIRED.
9. SCUPPER LOCATIONS TO BE COORDINATED SO THAT THEY DO NOT APPEAR OVER DOORS, WINDOWS OR MECHANICAL LOUVERS
10. STANDARD ROOF ABBREVIATIONS
    RD = ROOF DRAIN
    ORD = OVERFLOW ROOF DRAIN
    EF = EXHAUST FAN
    IV = INTAKE VENT
    RTU = ROOF TOP UNIT
    RV = RELIEF VENT

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3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
01.16.2025 ADDENDUM 001
03.13.2025 BULLETIN 001

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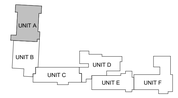
UNIT 'A' ROOF PLAN



KEYPLAN

A2.3A

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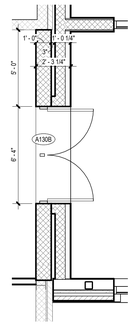
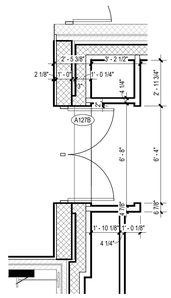
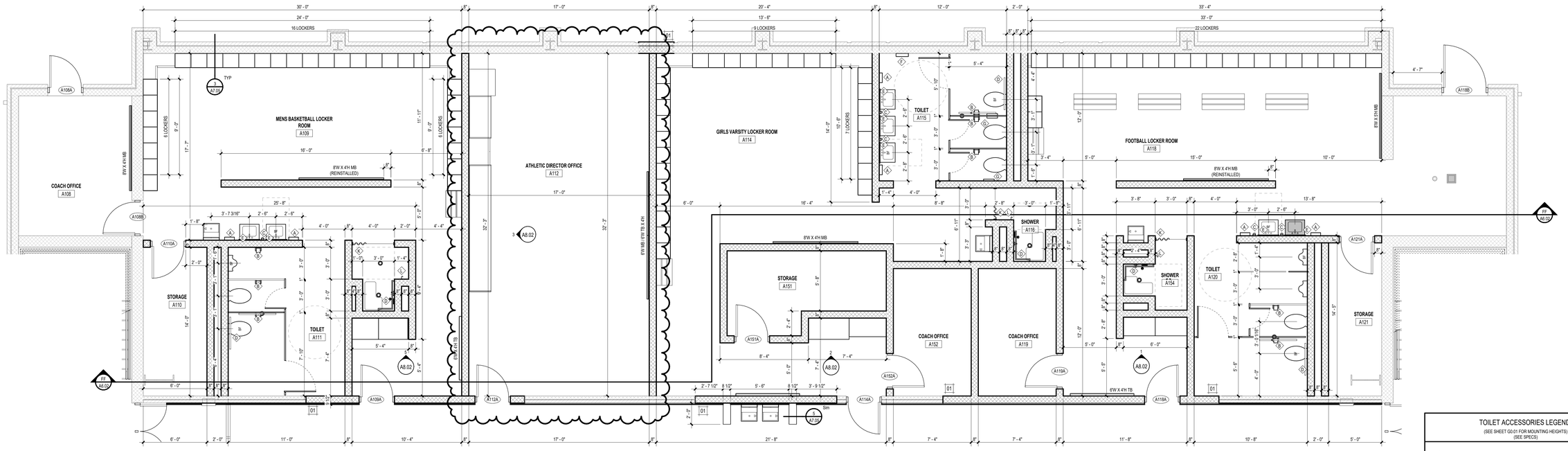


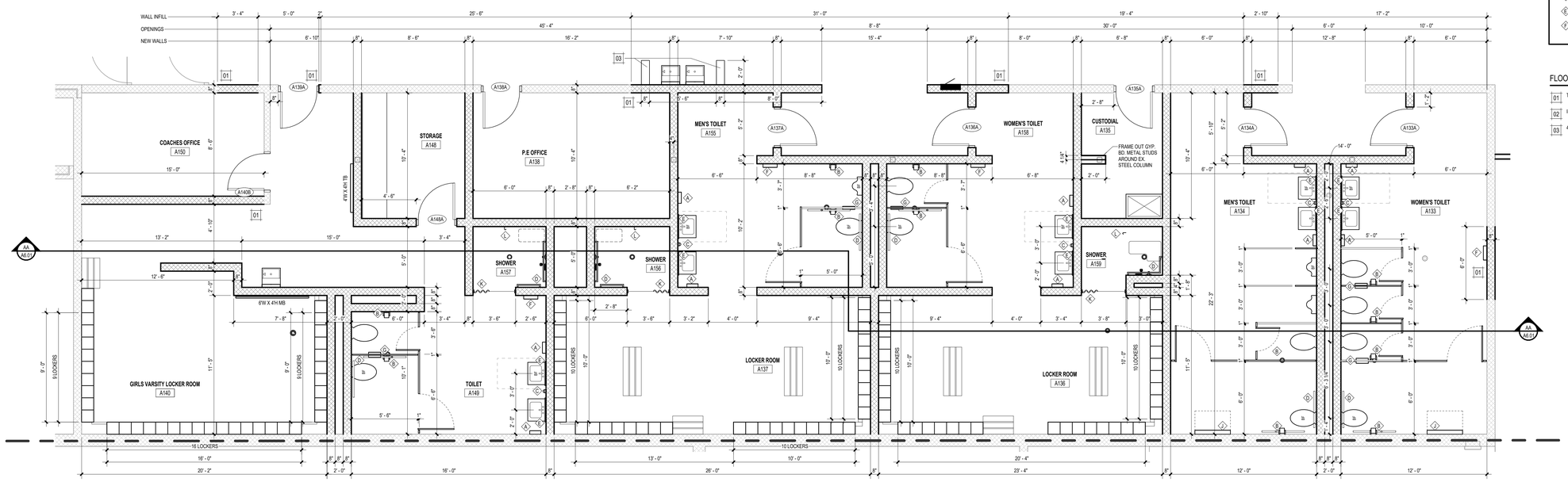
4 A2.80 A130B FIRE PORTAL ENLARGED PLAN
1/4" = 1'-0"



3 A2.80 A127B FIRE PORTAL ENLARGED PLAN
1/4" = 1'-0"



2 A2.80 NORTH LOCKER ROOMS ENLARGED PLAN
1/4" = 1'-0"



1 A2.80 SOUTH LOCKER ROOMS ENLARGED PLAN
1/4" = 1'-0"

TOILET ACCESSORIES LEGEND

(SEE SHEET G0.01 FOR MOUNTING HEIGHTS)
(SEE SPECS)

- A PAPER TOWEL DISPENSER
- B TOILET PAPER DISPENSER
- C SOAP DISPENSER
- D BARRIER FREE GRAB BARS
- E 24" x 36" FRAMED GLASS MIRROR
- F NAPKIN DISPENSER (WALL MOUNTED)
- G NAPKIN DISPOSAL (RECESSED)
- H NAPKIN DISPOSAL (WALL MOUNTED)
- J BABY CHANGING STATION
- K SHOWER ROD AND CURTAIN
- L ROBE HOOK
- M 18" X 36" FRAMED GLASS MIRROR

FLOOR PLAN KEYNOTES

01 TOOTH-IN NEW CMU AND OR BRICK
02 INFILL WITH GYP. & MTL. STUDS
03 4' - 0" TALL BLOCK WALL

WALL LEGEND

5/8" GYP. BOARD BOTH SIDES 3 5/8" LIGHT GA METAL FRAMING AT 16" O.C. SOUND BATT FULL HEIGHT OF WALL. WALLS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE

2 LAYERS OF 5/8" GYP. BOARD BOTH SIDES 3 5/8" LIGHT GA. METAL FRAMING AT 16" O.C. SOUND BATT FULL HEIGHT OF WALL. WALLS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE

5/8" GYP. BOARD BOTH SIDES 6" LIGHT GA. METAL FRAMING AT 16" O.C. SOUND BATT FULL HEIGHT OF WALL. WALLS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE

CMU WALL SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN (8" TYPICAL U.N.O.)

BRICK AND CMU WALL W/ 2" SPRAY APPLIED INSULATION SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN. SEE WALL SECTIONS FOR ADDITIONAL DETAILS. BANDING, ETC. (3 5/8" BRICK & 8" CMU TYPICAL U.N.O.)

CMU WALL W/ GYP. BD. ON 3 5/8" MTL STUDS. SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN. SEE WALL SECTIONS FOR ADDITIONAL DETAILS. BANDING, ETC. (8" CMU TYPICAL U.N.O.)

CMU WALL W/ 5/8" GYP. BOARD ON 1 1/2" HAT CHANNEL SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN.

5/8" GYP. BOARD ON HAT CHANNEL REPEATING AT 16" O.C.

-FIRE RATINGS AS CALLED FOR ON CODE COMPLIANCE PLAN

-DIMENSIONS GIVEN ARE TO THE FINISHED FACE OF CMU OR GYPSUM WALL BOARD UNLESS NOTED OTHERWISE

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Maze Design, Inc.
DAVID MICHAEL BOLT REGISTERED No. AR11500077 STATE OF INDIANA ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES
01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

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REVIEWED AGS

PROJECT NO. 5-6394

ENLARGED PLANS

A2.80

WALL LEGEND

4 7/8"	5/8" GYP. BOARD BOTH SIDES 3 5/8" LIGHT GA. METAL FRAMING AT 16" O.C. SOUND BATT FULL HEIGHT OF WALL. WALLS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE
6 1/8"	2 LAYERS OF 5/8" GYP. BOARD BOTH SIDES 3 5/8" LIGHT GA. METAL FRAMING AT 16" O.C. SOUND BATT FULL HEIGHT OF WALL. WALLS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE
7 1/4"	5/8" GYP. BOARD BOTH SIDES 6" LIGHT GA. METAL FRAMING AT 16" O.C. SOUND BATT FULL HEIGHT OF WALL. WALLS TO BOTTOM OF DECK UNLESS NOTED OTHERWISE
SEE PLAN	CMU WALL SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN (8" TYPICAL U.N.O.)
SEE PLAN	BRICK AND CMU WALL W/ 2" SPRAY APPLIED INSULATION SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN. SEE WALL SECTIONS FOR ADDITIONAL DETAILS, BANDING, ETC. (3 5/8" BRICK & 8" CMU TYPICAL U.N.O.)
5" - 0 1/4"	CMU WALL W/ GYP. BD. ON 3 5/8" MTL STUDS. SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN. SEE WALL SECTIONS FOR ADDITIONAL DETAILS, BANDING, ETC. (8" CMU TYPICAL U.N.O.)
10 1/8"	CMU WALL W/ 5/8" GYP. BOARD ON 1 1/2" HAT CHANNEL. SEE FLOOR PLANS FOR REQUIRED WALL REINFORCING. NOMINAL DIMENSIONS GIVEN.
2 5/8" ON 1'-0"	5/8" GYP. BOARD ON HAT CHANNEL REPEATING AT 16" O.C.

-FIRE RATINGS AS CALLED FOR ON CODE COMPLIANCE PLAN

-DIMENSIONS GIVEN ARE TO THE FINISHED FACE OF CMU OR GYPSUM WALL BOARD UNLESS NOTED OTHERWISE

TOILET ACCESSORIES LEGEND

(SEE SHEET G0.01 FOR MOUNTING HEIGHTS)
(SEE SPECS)

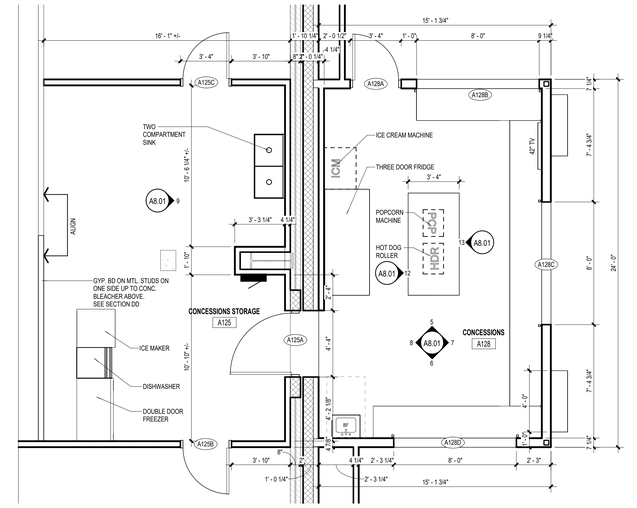
- (A) PAPER TOWEL DISPENSER
- (B) TOILET PAPER DISPENSER
- (C) SOAP DISPENSER
- (D) BARRIER FREE GRAB BARS
- (E) 24" x 36" FRAMED GLASS MIRROR
- (F) NAPKIN DISPENSER (WALL MOUNTED)
- (G) NAPKIN DISPOSAL (RECESSED)
- (H) NAPKIN DISPOSAL (WALL MOUNTED)
- (J) BABY CHANGING STATION
- (K) SHOWER ROD AND CURTAIN
- (L) ROBE HOOK
- (M) 18" X 36" FRAMED GLASS MIRROR

FLOOR PLAN KEYNOTES

01 TOOTH-IN NEW CMU AND OR BRICK

02 INFILL WITH GYP. & MTL. STUDS

03 4' - 0" TALL BLOCK WALL



1 / A2.81 UNIT 'A' CONCESSIONS ENLARGED PLAN

1/4" = 1'-0"

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3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
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PROJECT NO. 5-6394

ENLARGED PLANS

A2.81

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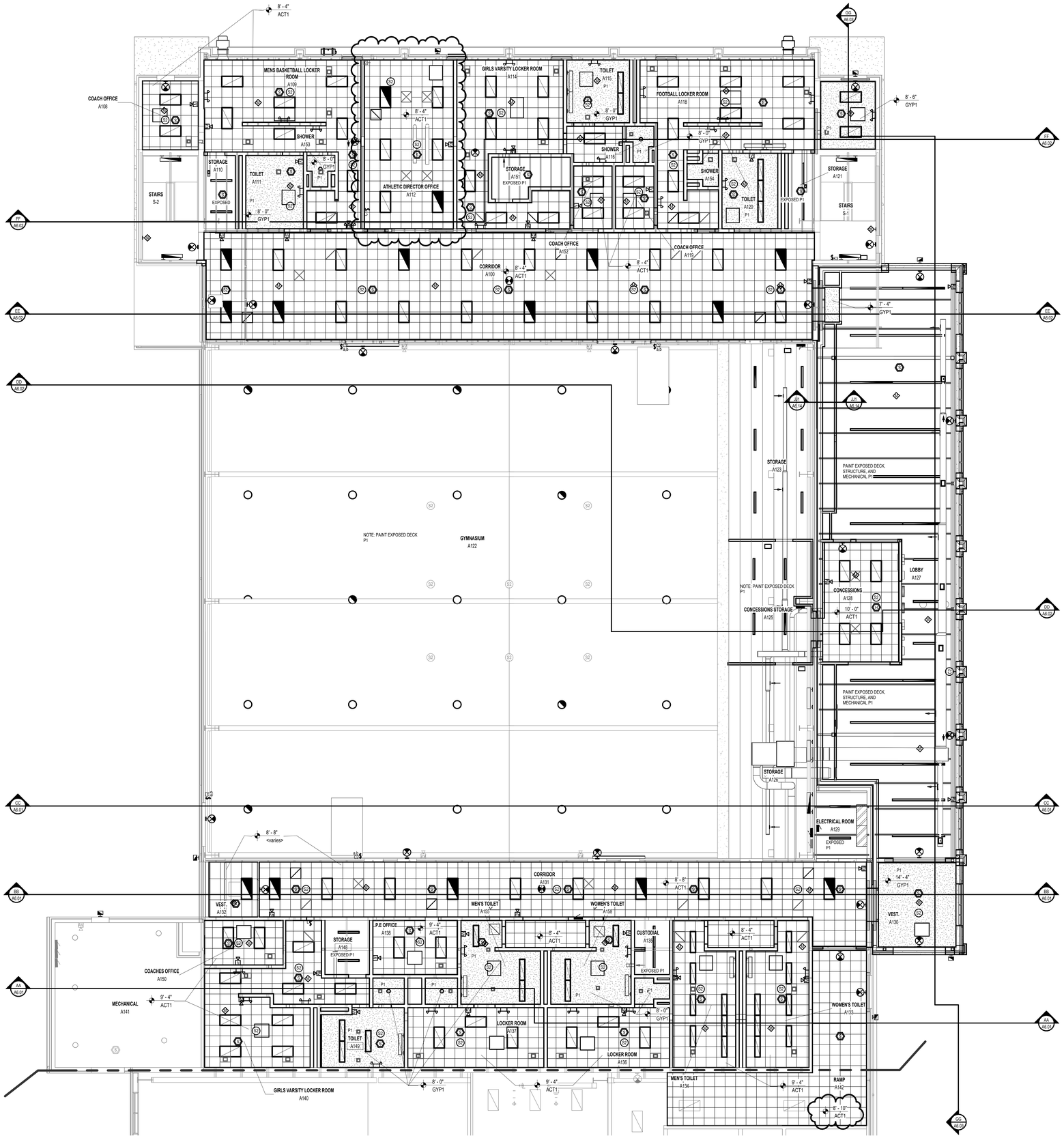

UNIT 'A' FIRST FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

GENERAL REFLECTED CEILING NOTES:

1. CONTRACTOR SHALL FOLLOW GRID PATTERN ESTABLISHED ON THE REFLECTED CEILING PLAN. ANY VARIATIONS SHALL BE APPROVED BY THE ARCHITECT.
2. CEILING TILE TYPE AS SPECIFIED. CEILING HEIGHTS NOTED ON REFLECTED CEILING PLANS. CEILING ELEVATIONS ARE FROM THAT ROOM'S FINISH FLOOR.
3. WIRE CEILING SYSTEM FROM STRUCTURE ABOVE AND WIRE FOR ADDITIONAL LOAD AT LIGHTS, CEILING DIFFUSERS, AND OTHER DEVICES. WIRING TO METAL DECK IS STRICTLY PROHIBITED.
4. UNLESS OTHERWISE NOTED, CEILING TO BE SUSPENDED METAL TEE AND ACOUSTICAL TILE 2' - 0" x 2' - 0" OR 2' - 0" x 4' - 0" TYPICAL. SEE SPECIFICATIONS FOR MANUFACTURER AND STYLE.
5. PENDANT MOUNTED FIXTURES CENTERED ON GRID REQUIRE GRID TO BE CUT AND SUPPORTED ON EACH SIDE.
6. MOUNT SPEAKERS AND SUPPLY AIR DIFFUSERS IN THE CENTER OF WHOLE CEILING PANELS. ADHERE A RIGID PANEL BACKER TO PANELS AT LOCATIONS WHICH INDICATE SPEAKERS, DIFFUSERS, LIGHTS, SMOKE DETECTORS, EXIT LIGHTS AND FIRE PROTECTION SPRINKLERS.
7. PROVIDE 2' - 0" CEILING GRID CROSS-TEE AT EACH RETURN AIR GRILLE.
8. PROVIDE AN ADDITIONAL CROSS-TEE AT EACH SLOT DIFFUSER.
9. REFER TO THE MECHANICAL DRAWINGS FOR LOUVERS REQUIRED TO BE FRAMED IN GYPSUM BOARD BULKHEADS.
10. ALL CEILING HEIGHTS ARE SUBJECT TO CHANGE TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS - COORDINATE CHANGES WITH ARCHITECT & AFFECTED DISCIPLINES.
11. SOME CORRIDOR CEILING PANEL LAYOUTS HAVE BEEN ADJUSTED AT A CHANGE IN CORRIDOR DIRECTION TO ACCOMMODATE LIGHTING LAYOUT.

REFLECTED CEILING LEGEND

- 10' - 2" / XXX1 — HEIGHT ABOVE FINISH FLOOR / CEILING TYPE — CEILING TAG
- ACT1 — ACOUSTICAL CEILING TILE SYSTEM; GRID SPACING: 24" X 24"; SUPPORT: SUSPENSION SYSTEM
- ACT2 — ACOUSTICAL CEILING TILE SYSTEM; GRID SPACING: 48" X 24"; SUPPORT: SUSPENSION SYSTEM
- GYP1 — GYPSUM BOARD CEILING OR BULKHEAD; C.J. SPACED 30' - 0" O.C. MAX. UNLESS SHOWN OTHERWISE; SUPPORT: SUSPENSION SYSTEM OR METAL STUD FRAMING; PAINT: PX UNLESS NOTED OTHERWISE
- MP1 — METAL PANEL SOFFIT; C.J. SPACED 30' - 0" O.C. MAX. UNLESS SHOWN OTHERWISE; SUPPORT: METAL STUD FRAMING
- AREA OF CEILING REMOVAL AND REINSTALL
- C.J. — CONTROL JOINT
- E.J. — EXPANSION JOINT
- CUT TILE
- RECESSED LIGHT FIXTURE
- SURFACE / PENDANT MOUNT LIGHT FIXTURE
- MECHANICAL SUPPLY DIFFUSER / RETURN GRILLE / EXHAUST GRILLE / LINEAR SLOT DIFFUSER
- EXIT SIGN (CEILING OR WALL-MOUNTED)
- ELECTRICAL DEVICES (CEILING OR WALL-MOUNTED)

NOTE: REFER TO STRUCTURAL, PLUMBING/FIRE PROTECTION, MECHANICAL, AND ELECTRICAL/TECHNOLOGY FOR MORE DETAILED SYMBOL LEGENDS. SHOWN FOR GENERAL COORDINATION, NOT ALL SYMBOLS ARE INDICATED. NOTIFY ARCHITECT OF ANY/ALL DISCREPANCIES

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3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
01.16.2025 ADDENDUM 001
03.13.2025 BULLETIN 001

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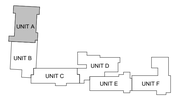
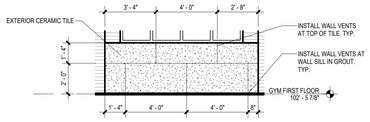
UNIT 'A' FIRST FLOOR REFLECTED CEILING PLAN

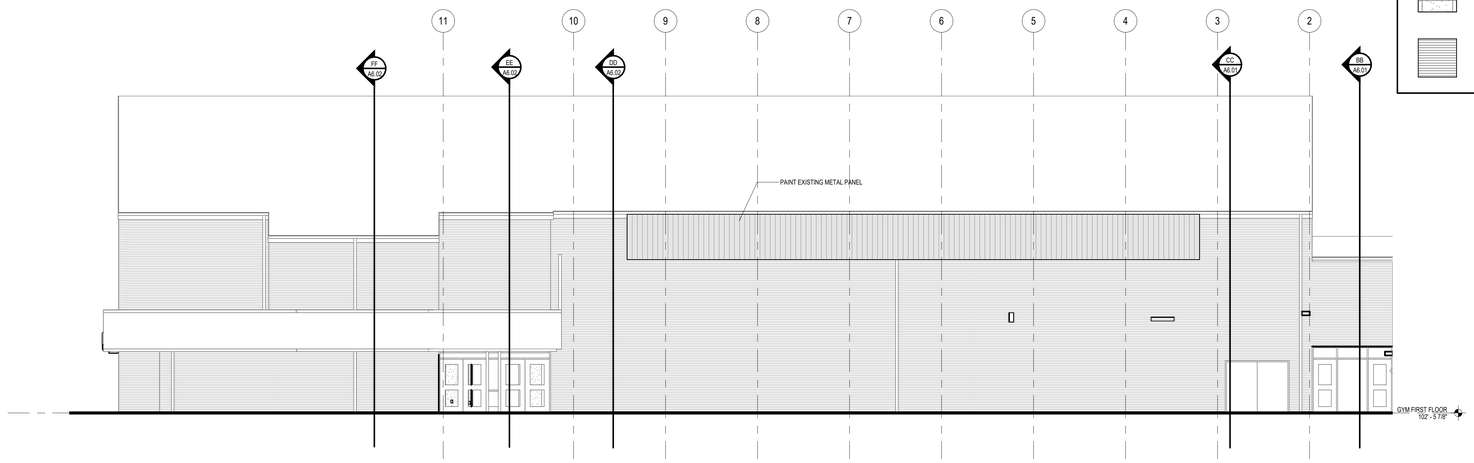
A3.1A



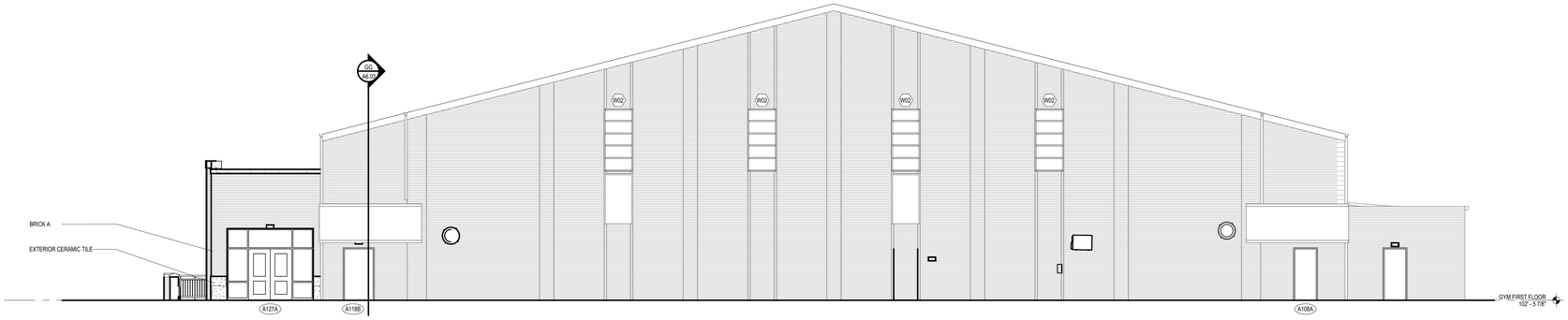
KEYPLAN



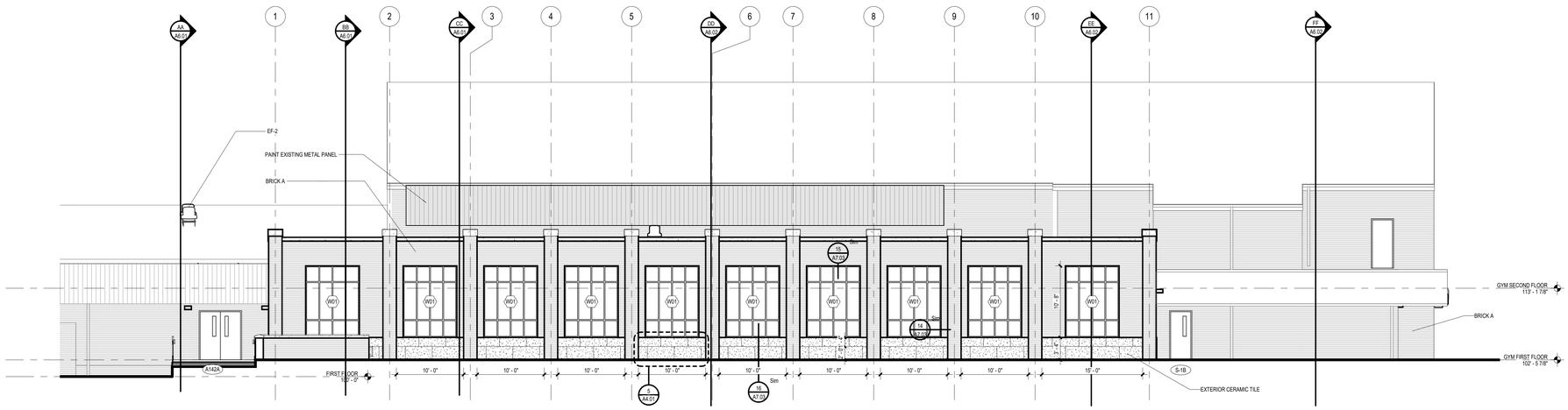
5 A4.01 EXTERIOR WALL TILE CALLOUT
1/4" = 1'-0"



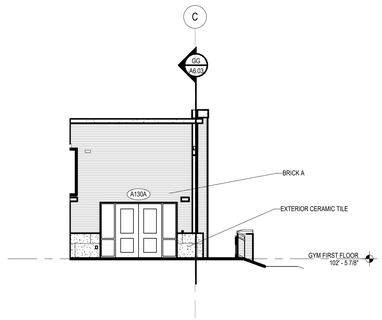
4 A4.01 WEST ELEVATION
1/8" = 1'-0"



3 A4.01 NORTH ELEVATION
1/8" = 1'-0"



2 A4.01 EAST ELEVATION
1/8" = 1'-0"



1 A4.01 PARTIAL SOUTH ELEVATION - EAST
1/8" = 1'-0"

MATERIAL LEGEND
(BASIS OF DESIGN)

METAL PANEL (EXTERIOR)
MFR: ALPOLIC
COLOR: CBF BLUE
SIZE: 24 X 48

CERAMIC TILE WALL (EXTERIOR TILE)
MFR: CERCOM
STYLE: IN CONTRO
COLOR: CREAM
SIZE: 24 X 48
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

4" FACE BRICK (EXTERIOR)
MFR: BELDING BRICK COMPANY
COLOR: COMMODORE FULL RANGE VELOUR
SIZE: 4

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EXTERIOR ELEVATIONS

A4.01

GLAZING NOTES:

ALL EXTERIOR WINDOWS AND DOOR LITES:
1" INSULATED PER SPECIFICATIONS.

INTERIOR DOOR & BORROWED LITES:
1/4" CLEAR TYPICAL EXCEPT FIRE-RATED - SEE SPECIFICATIONS.

GLASS TO BE TEMPERED AS REQUIRED BY SPECIFICATIONS AND APPLICABLE CODES.

MAXIMUM GLASS AREA PER FIRE RATING:
- 180 MIN. LABEL = NO GLASS
- 90 MIN. LABEL = 100 SQ.IN.
- 45 MIN. LABEL = 1296 SQ.IN.
- 20 MIN. LABEL = AS TESTED

VERIFY COMPLIANCE TO ALL APPLICABLE CODES.

ADJUST LITE SIZE BASED ON SCHEDULED FIRE RATING AS NECESSARY.

NOTE: ALL SIDELITES AND TRANSOMS W/ 20 MIN. DOORS REQUIRE 45 MIN. RATED GLAZING

- (E) = EGRESS PANE
- (GF) = GRAPHIC FILM
- (SA) = SAFETY GLAZING
- (SF) = SECURITY FILM
- (SE) = SECURITY GLAZING
- (ST) = SELF TINTING GLAZING
- = SPANDREL PANEL
- = LOUVER PANEL

DOOR NUMBERING LEGEND

DOOR NUMBERING

A101A
- 'A' FIRST DOOR
- '1' SECOND DOOR
- ROOM NUMBER

DOOR NAME / SIZE

3'-0" x 7'-2" x 1 3/4"
- DOOR SIZE

(PR.) 3'-0" x 7'-2" x 1 3/4"
- DOOR SIZE
- PAIR OF DOORS, NO FIXED MULLION

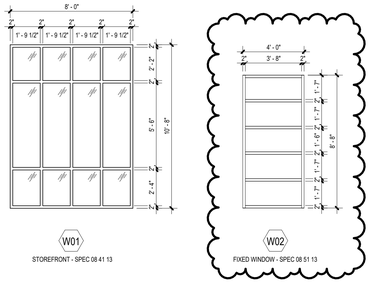
(2) 3'-0" x 7'-2" x 1 3/4"
- DOOR SIZE
- TWO DOORS, WITH FIXED MULLION BETWEEN THEM

3'-0" x 7'-2" x 1 3/4" (5'-4")
- OVERALL FRAME WIDTH AND / OR HEIGHT SEE FRAME LEGEND
- DOOR SIZE

NOTE:
STANDARD DOOR AND FRAME DIMENSIONS ARE GIVEN IN: WIDTH x HEIGHT x THICKNESS

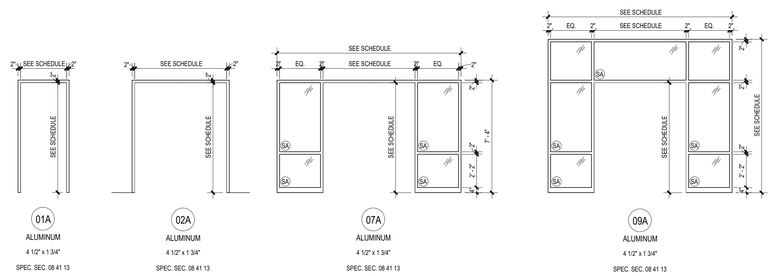
DOOR & FRAME SCHEDULE UNIT 'A'

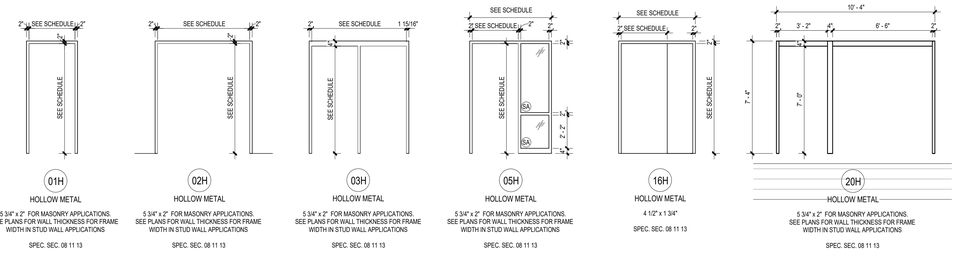
DOOR NUMBER	DOOR SIZE	DOOR TYPE	FRAME TYPE	FIRE RATING	HDWR SET NO.	ELEC. HARDWARE	REMOVABLE MULLION	DETAILS			REMARKS
								HEAD	JAMB	SILL	
A											
A108A	3' 0" x 7' 2" x 1 3/4"	H01	01H		04	■		8/A7.01	8/A7.01		
A108B	3' 0" x 7' 2" x 1 3/4"	W01	01H		08	■		6/A7.01	6/A7.01		
A109A	3' 0" x 7' 2" x 1 3/4"	H01	01H	20 MIN.	08			1/A7.01	1/A7.01		
A110A	3' 0" x 7' 2" x 1 3/4"	H01	01H		12	■		1/A7.01	1/A7.01		
A112A	3' 0" x 7' 2" x 1 3/4"	H01	01H	20 MIN.	08			1/A7.01	1/A7.01		
A118A	3' 0" x 7' 2" x 1 3/4"	H01	01H	20 MIN.	08	■		1/A7.01	1/A7.01		
A118B	4' x 7' 2" x 1 3/4"	H01	01H		27			8/A7.01	8/A7.01		
A119A	3' 0" x 7' 2" x 1 3/4"	H01	01H		08	■		1/A7.01	1/A7.01		
A121A	3' 0" x 7' 2" x 1 3/4"	H01	01H		12	■		1/A7.01	1/A7.01		
A122A	3' 4" x 7' 6" x 1 3/4"	H01	01H	60 MIN.	16	■		5/A7.01	5/A7.01		
A122B	3' 4" x 7' 6" x 1 3/4"	H01	01H	60 MIN.	17	■		5/A7.01	5/A7.01		
A122C	3' 4" x 7' 6" x 1 3/4"	H01	01H	60 MIN.	17	■		5/A7.01	5/A7.01		
A122D	3' 4" x 7' 6" x 1 3/4"	H01	01H	60 MIN.	16	■		5/A7.01	5/A7.01		
A122E	(PR) 3' 0" x 7' 2" x 1 3/4"	H01	21H (PR)	60 MIN.	19		■	5/A7.01	5/A7.01		
A122F	3' 0" x 7' 2" x 1 3/4"	A05	20H	60 MIN.	17			5/A7.01	5/A7.01		
A122G	(PR) 3' 0" x 7' 2" x 1 3/4"	H01	21H (PR)	60 MIN.	19		■	5/A7.01	5/A7.01		
A122H	3' 0" x 7' 2" x 1 3/4"	H01	20H	60 MIN.	17			5/A7.01	5/A7.01		
A123A	3' 0" x 7' 2" x 1 3/4"	H01	01H	60 MIN.	09	■		5/A7.01	5/A7.01		NEW LINTEL NEEDED
A125A	4' x 7' 2" x 1 3/4"	H01	01H	90 MIN.	07	■		7/A7.02	6/A7.02		
A125B	3' 0" x 7' 2" x 1 3/4"	H01	01H		10	■		1/A7.01	1/A7.01		
A125C	3' 0" x 7' 2" x 1 3/4"	H01	01H		10	■		1/A7.01	1/A7.01		
A126A	4' 0" x 7' 6" x 1 3/4"	H01	01H	60 MIN.	09	■		5/A7.01	5/A7.01		
A127A	PR. 3' 0" x 7' 2" x 1 3/4" (12'-0")	A05	09A		24		■	13/A7.01	10/A7.01	9/A7.01	
A127B	PR. 3' 0" x 7' 2" x 1 3/4"	H02	02H	90 MIN.	20	■	■	2/A7.02	4/A7.02		
A127C	PR. 3' 0" x 7' 2" x 1 3/4" (10'-0")	A05	07A		22	■	■	3/A7.01	3/A7.01		
A128A	3' 0" x 7' 2" x 1 3/4"	H02	01H		06	■		1/A7.01	1/A7.01		
A128B	8'-0" x 4'-0" (FACE MOUNT)		RO1		29			1/A7.02	1/A7.02	1/A7.02	
A128C	8'-0" x 4'-0" (FACE MOUNT)		RO1		29			1/A7.02	1/A7.02	1/A7.02	
A128D	8'-0" x 4'-0" (FACE MOUNT)		RO1		29			1/A7.02	1/A7.02	1/A7.02	
A129A	3' 0" x 7' 2" x 1 3/4"	H01	01H	60 MIN.	09	■		6/A7.01	6/A7.01		
A130A	PR. 3' 0" x 7' 2" x 1 3/4" (10'-0")	A05	07A		25		■	12/A7.01	11 & 14/A7.01	9/A7.01	
A130B	PR. 3' 0" x 7' 2" x 1 3/4"	A01	02H		22	■	■	2/A7.02	4/A7.02		
A131A	PR. 3' 0" x 7' 2" x 1 3/4"	A01	02H		23			3/A7.01	3/A7.01		
A133A	3' 0" x 7' 2" x 1 3/4"	H01	01H	20 MIN.	05	■		1/A7.01	1/A7.01		
A134A	3' 0" x 7' 2" x 1 3/4"	H01	01H	20 MIN.	05	■		1/A7.01	1/A7.01		
A135A	3' 0" x 7' 2" x 1 3/4"	H01	01H	20 MIN.	08	■		5/A7.01	5/A7.01		
A136A	3' 0" x 7' 2" x 1 3/4"	H01	01H	20 MIN.	05	■		1/A7.01	1/A7.01		
A137A	3' 0" x 7' 2" x 1 3/4"	H01	01H	20 MIN.	05	■		1/A7.01	1/A7.01		
A138A	3' 0" x 7' 2" x 1 3/4"	H01	01H	20 MIN.	08	■		5/A7.01	5/A7.01	5/A7.01	
A139A	3' 0" x 7' 2" x 1 3/4"	H01	01H	20 MIN.	08	■		5/A7.01	5/A7.01	5/A7.01	
A140B	3' 0" x 7' 2" x 1 3/4"	H01	01H		08	■		1/A7.01	1/A7.01		
A141A	3' 0" x 7' 2" x 1 3/4"	H01	01H		03			8/A7.01	8/A7.01		
A142A	PR. 3' 0" x 7' 2" x 1 3/4"	A02	02H	90 MIN.	30			8/A7.01	8/A7.01	5/A7.01	
A148A	3' 0" x 7' 2" x 1 3/4"	H01	01H		12	■		1/A7.01	1/A7.01		
A151A	3' 0" x 7' 2" x 1 3/4"	H01	01H		12			1/A7.01	1/A7.01		
A152A	3' 0" x 7' 2" x 1 3/4"	H01	01H		12			1/A7.01	1/A7.01		
A200A	3' 0" x 7' 2" x 1 3/4"	H01	01H		31	■		7/A7.01	2/A7.01		
A200B	3' 0" x 7' 2" x 1 3/4"	H01	01H					8/A7.01	8/A7.01		
S-1A	PR. 2' 6" x 7' 2" x 1 3/4"	H01	02H	90 MIN.	21		■	6/A7.01	6/A7.01		
S-1B	3' 0" x 7' 2" x 1 3/4"	H02	01H	90 MIN.	28	■		8/A7.01	8/A7.01		
S-2A	PR. 2' 6" x 7' 2" x 1 3/4"	H01	02H	90 MIN.	21		■	6/A7.01	6/A7.01		



WINDOW LEGEND

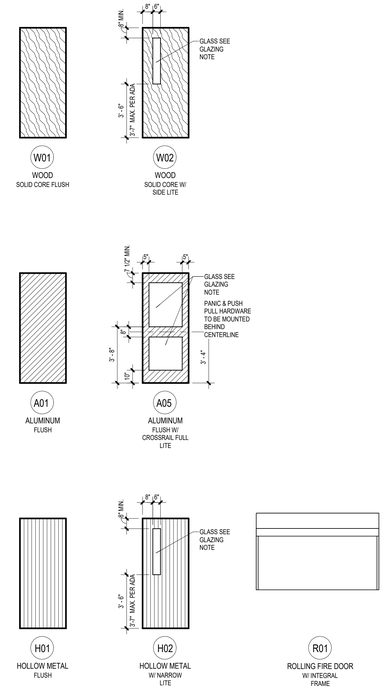
1/4" = 1'-0"





DOOR FRAME LEGEND

1/4" = 1'-0"



DOOR TYPE LEGEND

1/4" = 1'-0"

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CAMBRIDGE CITY, INDIANA

ISSUANCES
01.06.2025 BIDS & CONSTRUCTION
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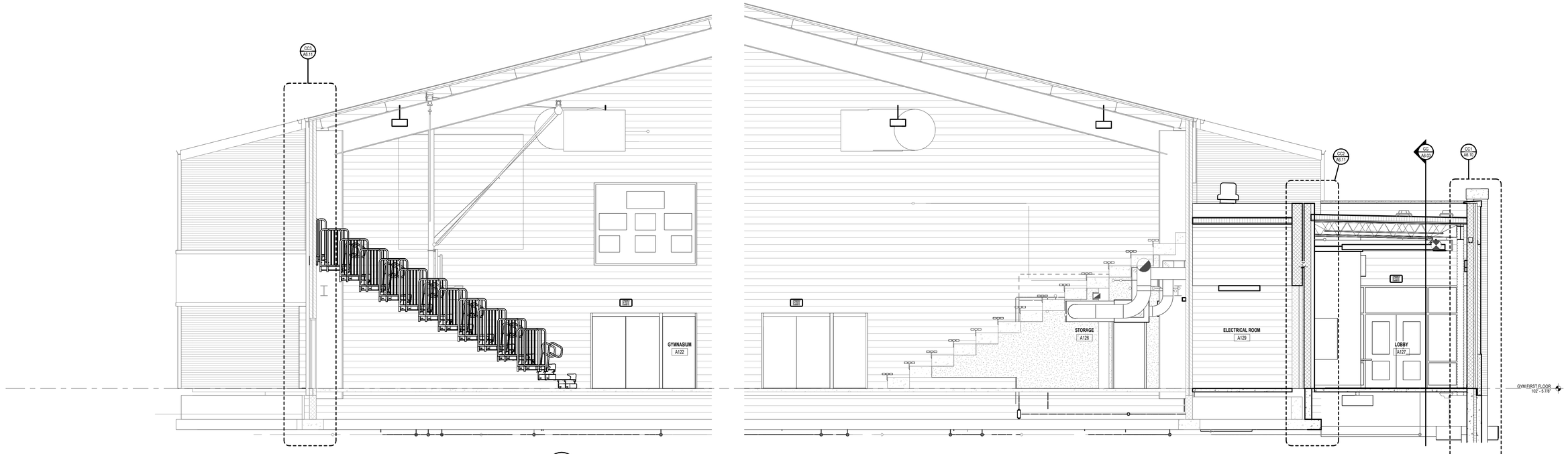
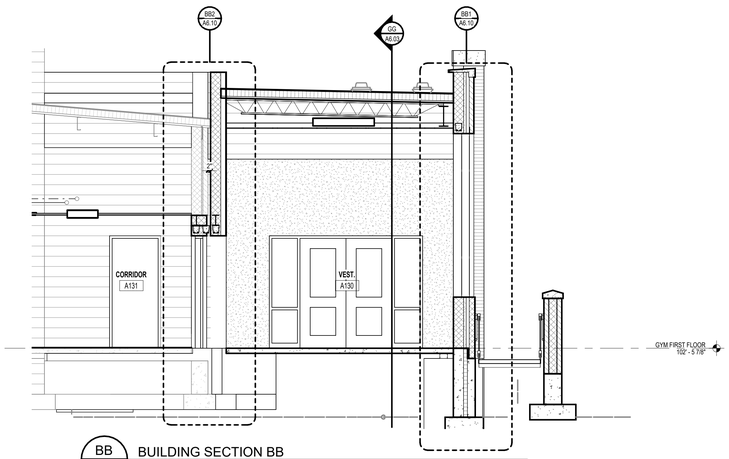
DOOR & FRAME SCHEDULES

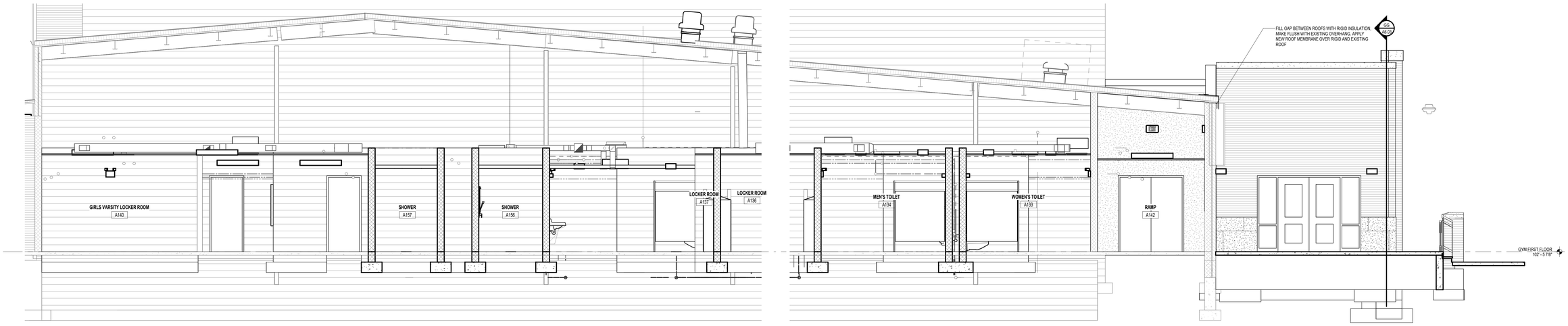
A5.01



CC A6.01 BUILDING SECTION CC
1/4" = 1'-0"



BB A6.01 BUILDING SECTION BB
1/4" = 1'-0"



AA A6.01 BUILDING SECTION AA
1/4" = 1'-0"

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ISSUANCES

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01.16.2025 ADDENDUM 001
03.13.2025 BULLETIN 001

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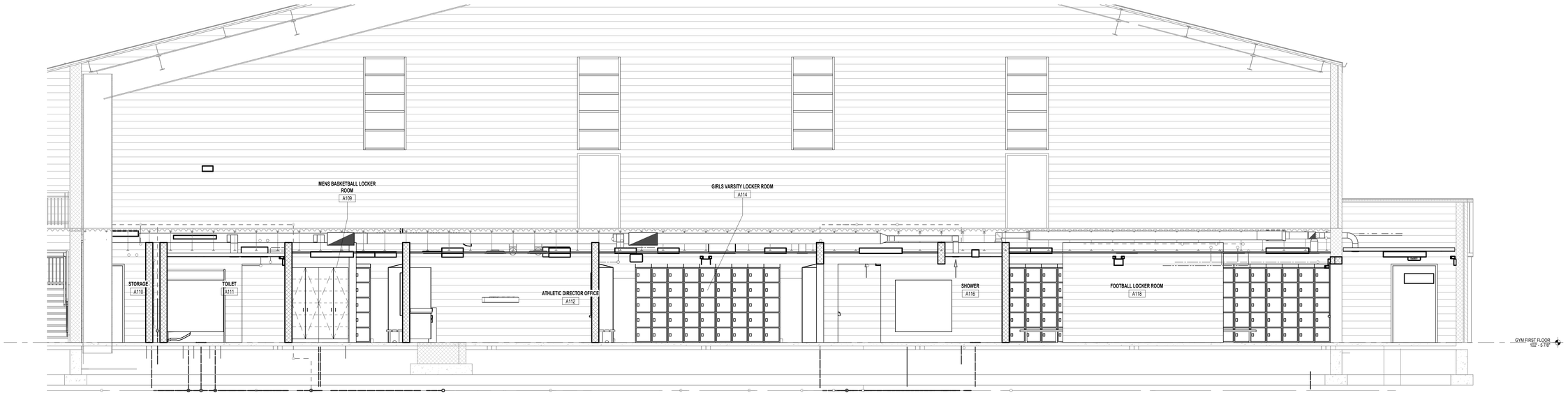
REVIEWED AGS

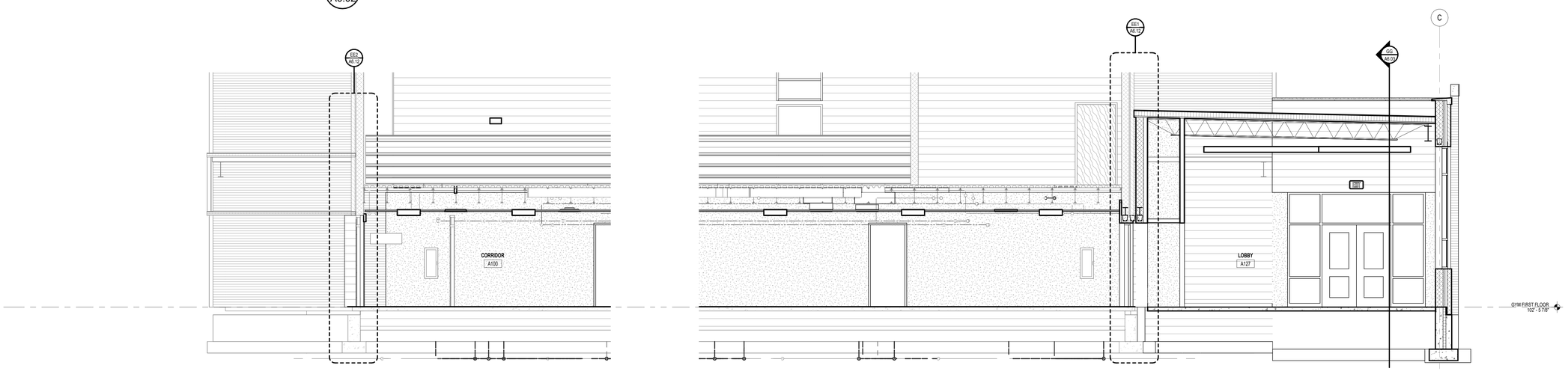
PROJECT NO. 5-6394

BUILDING SECTIONS

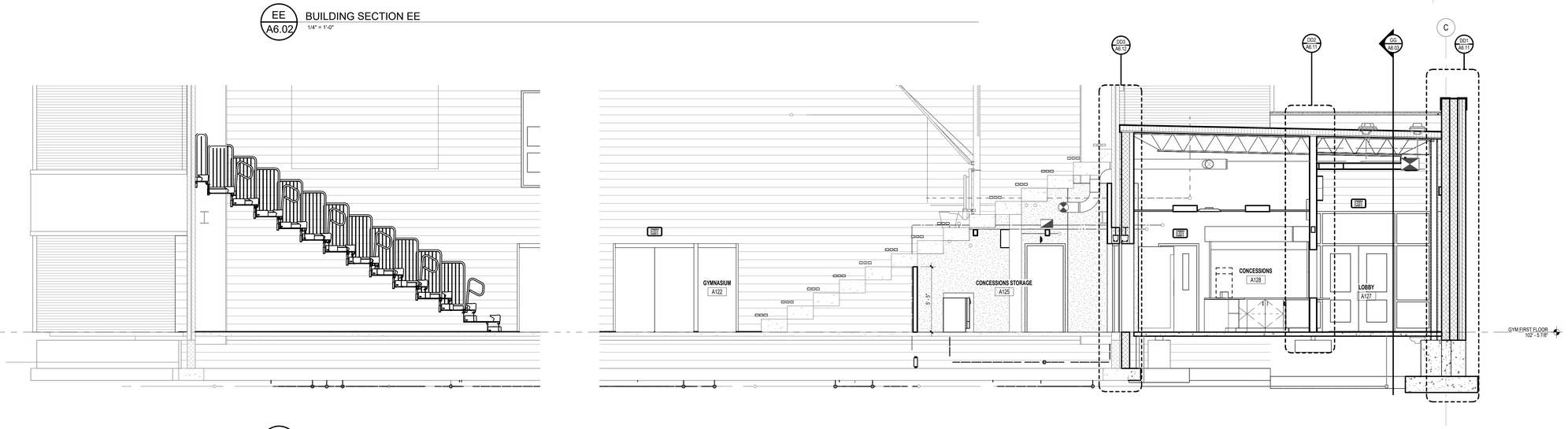
A6.01



FF A6.02 BUILDING SECTION FF
1/4" = 1'-0"



EE A6.02 BUILDING SECTION EE
1/4" = 1'-0"



DD A6.02 BUILDING SECTION DD
1/4" = 1'-0"

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CAMBRIDGE CITY, INDIANA

ISSUANCES

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03.13.2025 BULLETIN 001

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PROJECT NO. 5-6394

BUILDING SECTIONS

A6.02

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WESTERN WAYNE SCHOOLS

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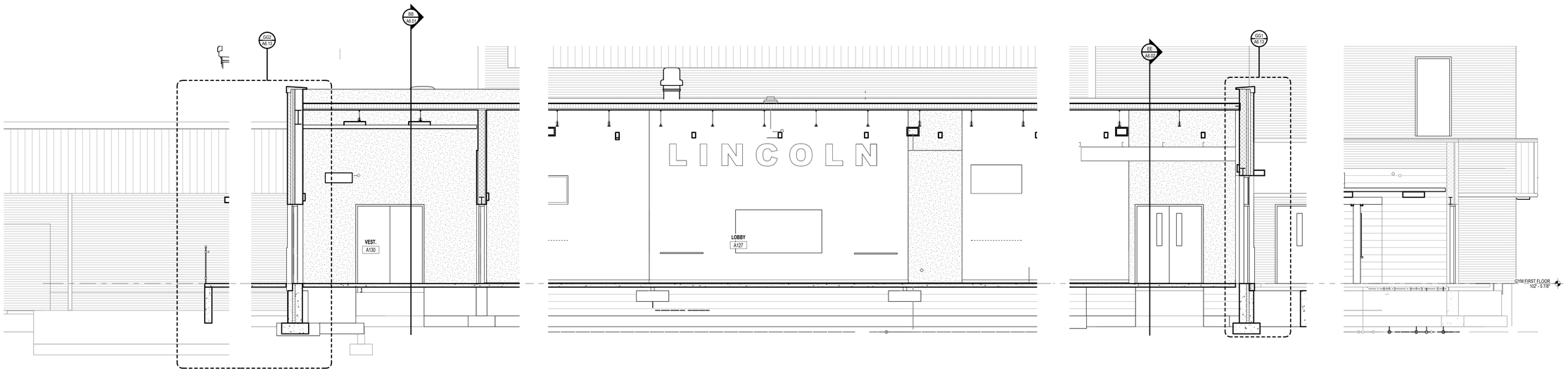

GG
A6.03
BUILDING SECTION GG
1/4" = 1'-0"

ISSUANCES

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BUILDING SECTIONS

A6.03

Autodesk Docs://5-6394 Western Wayne Schools Additions & Renovations/5-6394A 2025.rvt
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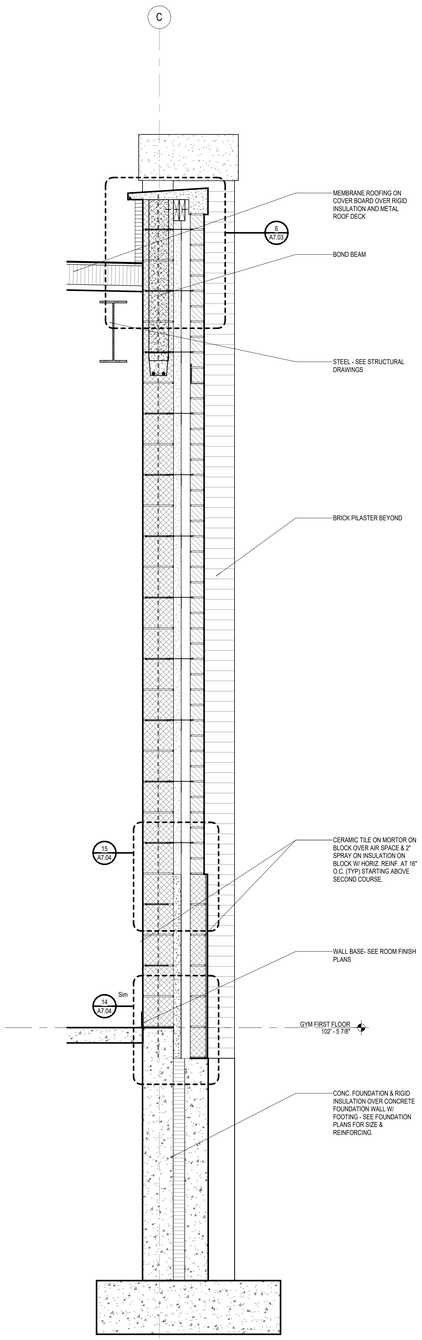
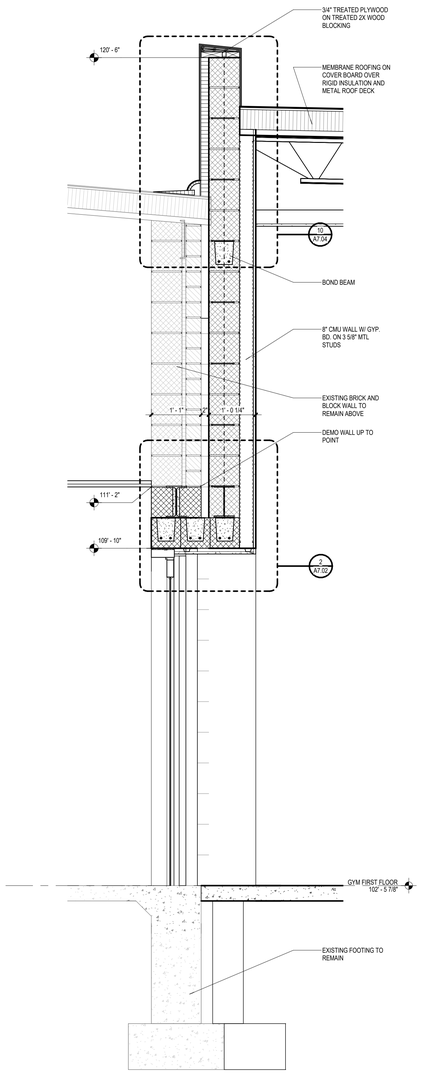
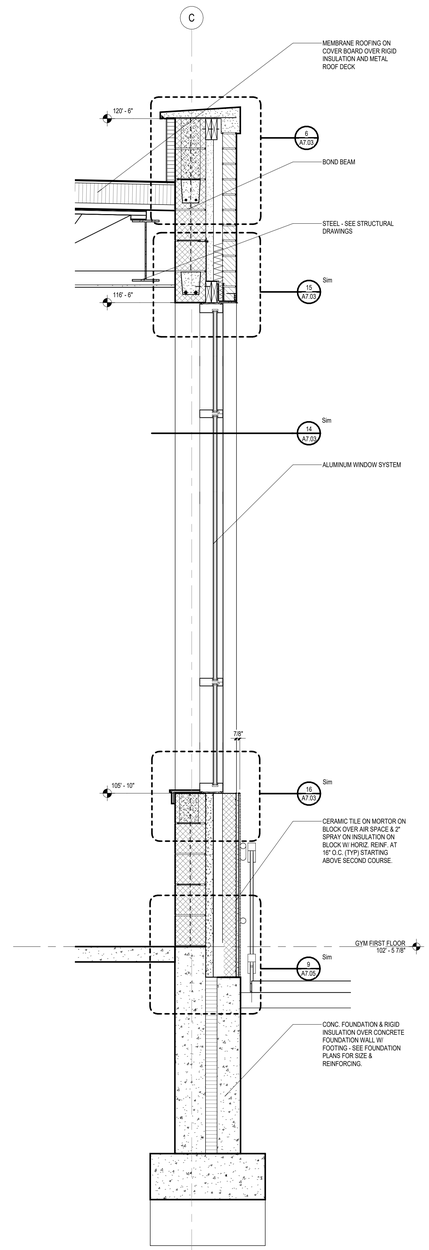


CC1 / A6.10 WALL SECTION CC1
3/4" = 1'-0"



BB2 / A6.10 WALL SECTION BB2
3/4" = 1'-0"



BB1 / A6.10 WALL SECTION BB1
3/4" = 1'-0"

gmb
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DAVID MICHAEL BOLT REGISTERED No. AR11500077 STATE OF INDIANA ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
01.16.2025 ADDENDUM 001
03.13.2025 BULLETIN 001

DRAWN JHB
REVIEWED AGS

PROJECT NO. 5-6394

WALL SECTIONS

A6.10

Autodesk Docs://5-6394 Western Wayne Schools Additions & Renovations/5-6394A 2025.rvt
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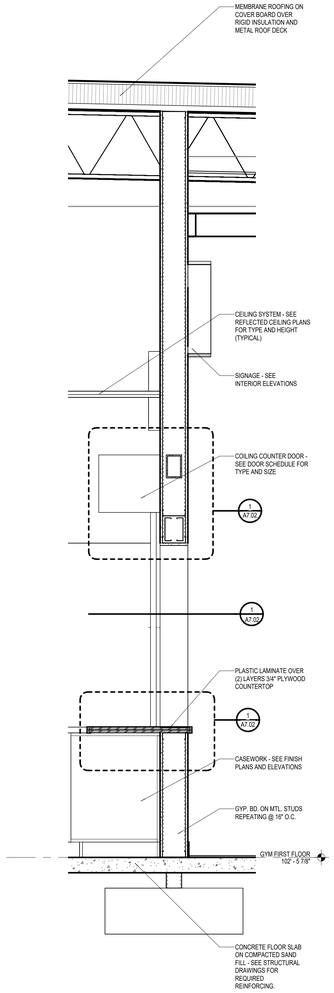

DD2 / A6.11 WALL SECTION DD2
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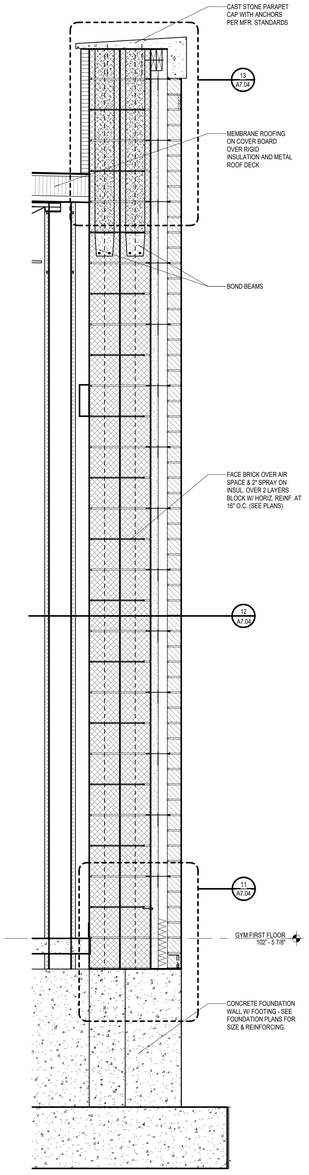
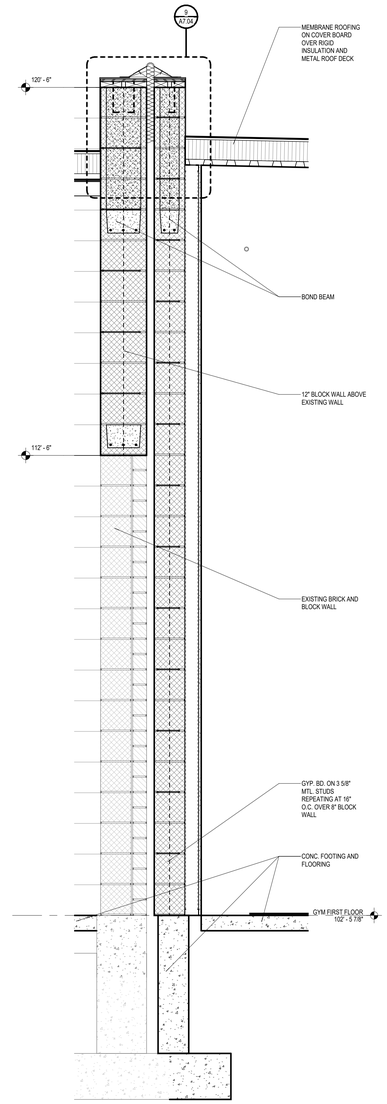


DD1 / A6.11 WALL SECTION DD1
3/4" = 1'-0"



CC2 / A6.11 WALL SECTION CC2
3/4" = 1'-0"

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3.18.2025

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WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

WESTERN WAYNE SCHOOLS

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

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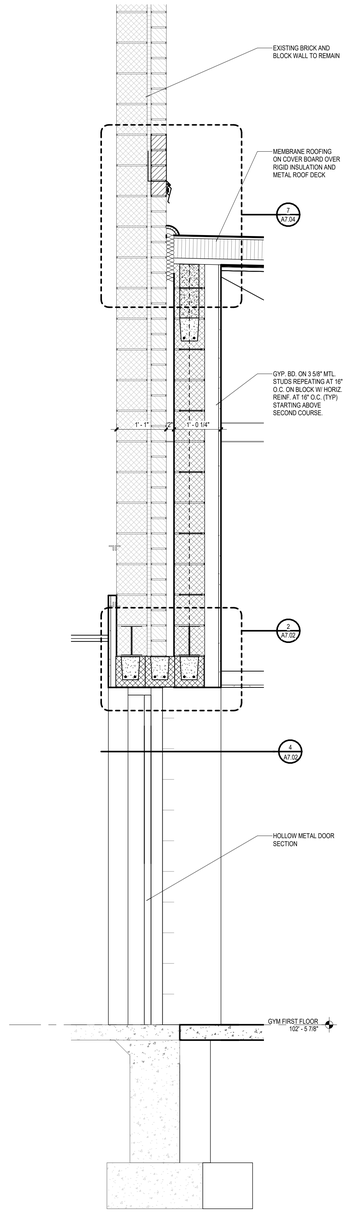
REVIEWED AGS

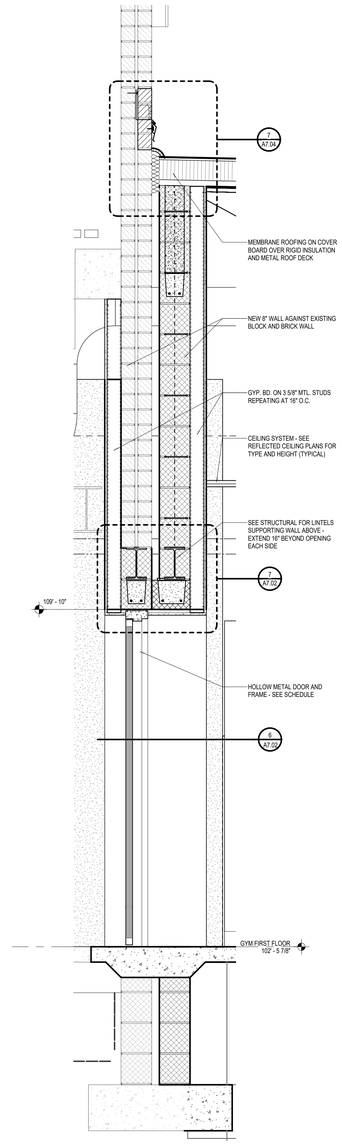
PROJECT NO. 5-6394

WALL SECTIONS

A6.11



EE1 / A6.12 WALL SECTION EE1
3/4" = 1'-0"



DD3 / A6.12 WALL SECTION DD3
3/4" = 1'-0"

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3.18.2025

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WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

WESTERN WAYNE SCHOOLS

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

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REVIEWED AGS

PROJECT NO. 5-6394

WALL SECTIONS

A6.12

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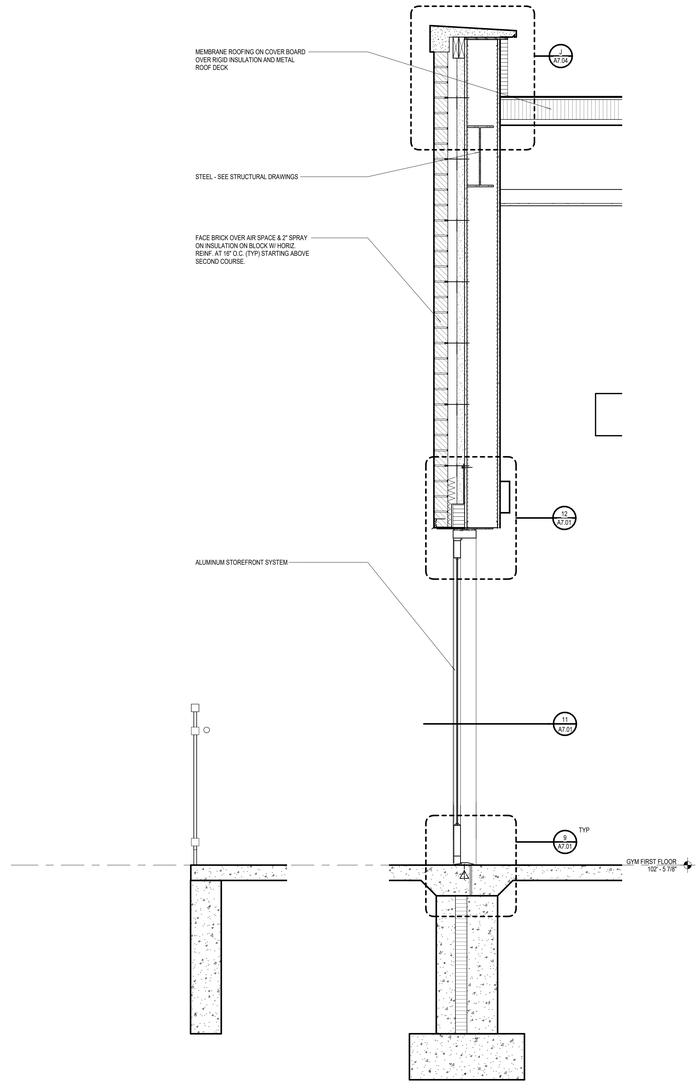

GG2 / A6.13 WALL SECTION GG2

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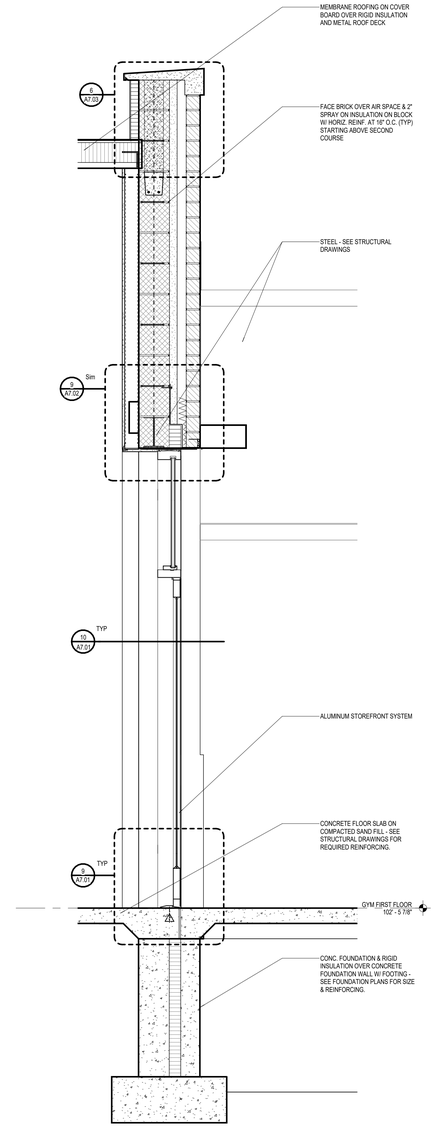

GG1 / A6.13 WALL SECTION GG1

3/4" = 1'-0"

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CAMBRIDGE CITY, INDIANA

WESTERN WAYNE SCHOOLS

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

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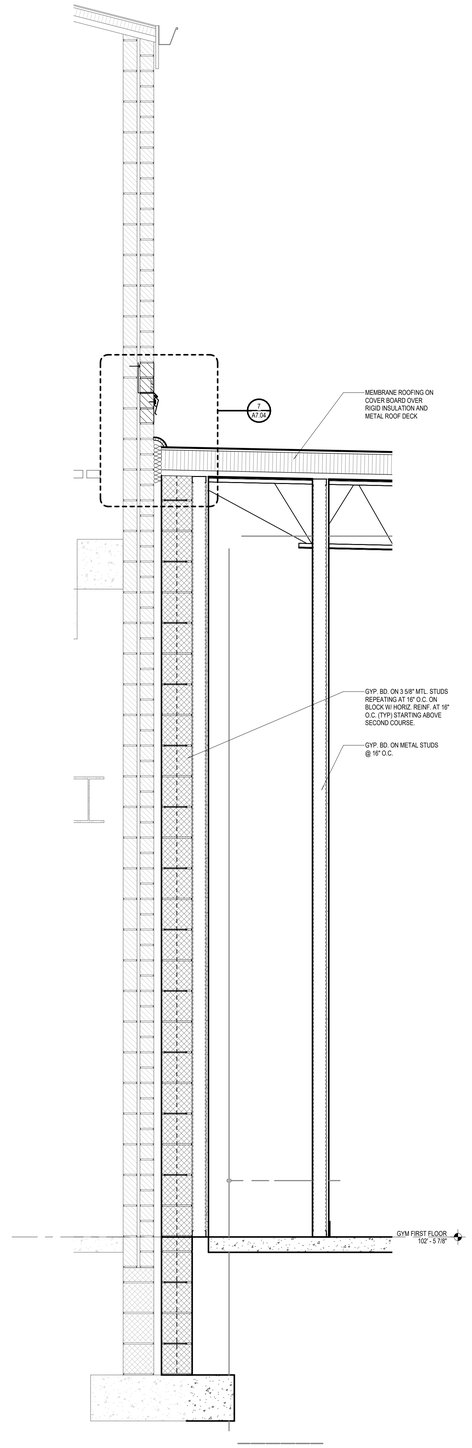
REVIEWED AGS

PROJECT NO. 5-6394

WALL SECTIONS

A6.13



JJ1 / A6.14 WALL SECTION JJ1

3/4" = 1'-0"

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3.18.2025

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WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

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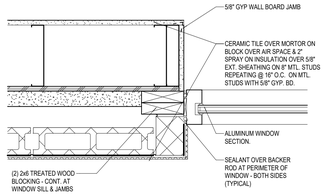
REVIEWED AGS

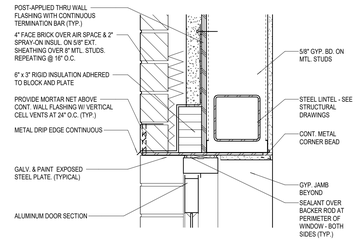
PROJECT NO. 5-6394

WALL SECTIONS

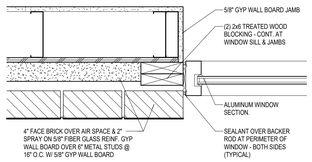
A6.14



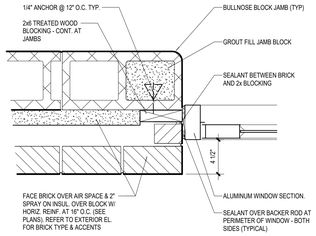
14 A7.01 DOOR IN METAL STUD JAMB DETAIL
1 1/2" = 1'-0"



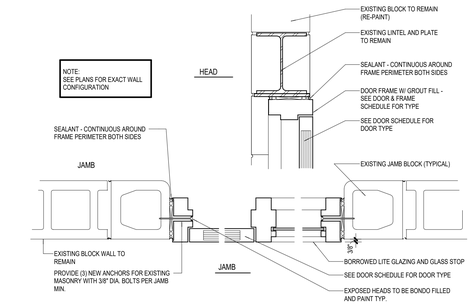
12 A7.01 DOOR IN METAL STUD HEAD DETAIL
1 1/2" = 1'-0"



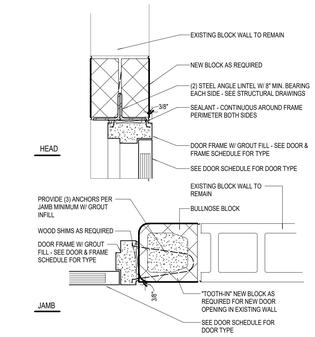
11 A7.01 DOOR IN METAL STUD JAMB DETAIL
1 1/2" = 1'-0"



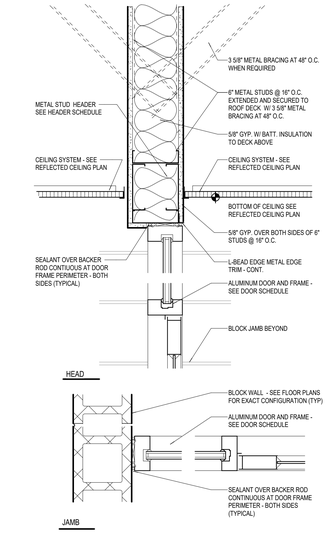
10 A7.01 EXTERIOR DOOR JAMB DETAIL
1 1/2" = 1'-0"



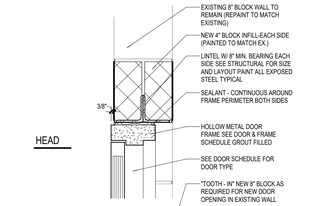
7 A7.01 NEW DOOR & SIDELITE IN EX. OPENING
1 1/2" = 1'-0"



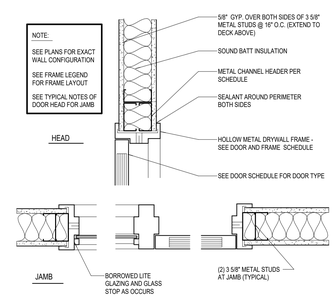
6 A7.01 NEW DOOR / EXISTING OPENING
1 1/2" = 1'-0"



3 A7.01 VESTIBULE DOOR DETAIL
1 1/2" = 1'-0"



5 A7.01 NEW DOOR & FRAME IN EXISTING WALL
1 1/2" = 1'-0"

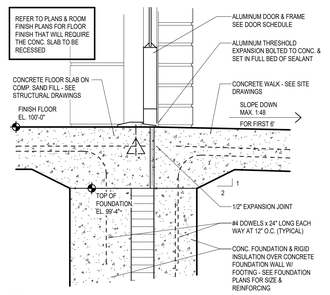


2 A7.01 HOLLOW METAL GYP DOOR FRAME
1 1/2" = 1'-0"

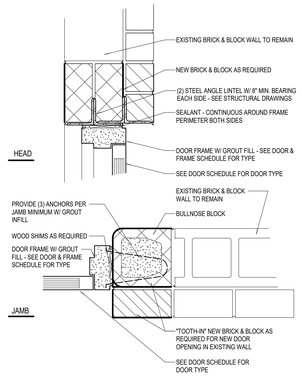
STEEL LINTEL PER STRUCTURAL

CMU LINTEL PER STRUCTURAL

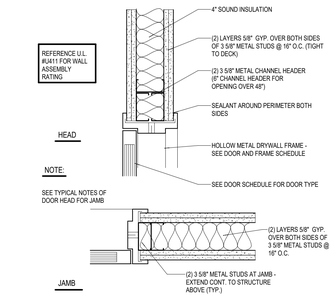
13 A7.01 EXTERIOR DOOR HEAD DETAIL
1 1/2" = 1'-0"



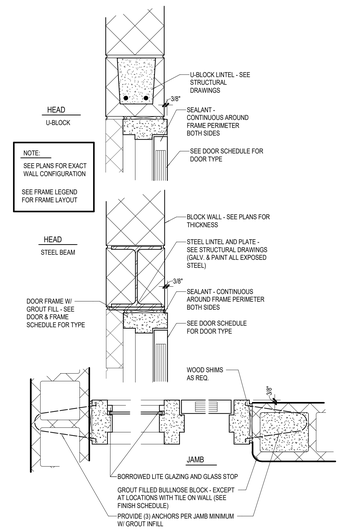
9 A7.01 EXTERIOR DOOR SILL DETAIL
1 1/2" = 1'-0"



8 A7.01 NEW DOOR / EXISTING WALL
1 1/2" = 1'-0"



4 A7.01 FIRE RATED DOOR DETAIL
1 1/2" = 1'-0"



1 A7.01 HOLLOW METAL MASONRY DOOR FRAME
1 1/2" = 1'-0"

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Maze Design, Inc.
DAVID MICHAEL BOLT REGISTERED No. AR11500077 STATE OF INDIANA ARCHITECT

3.18.2025

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WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
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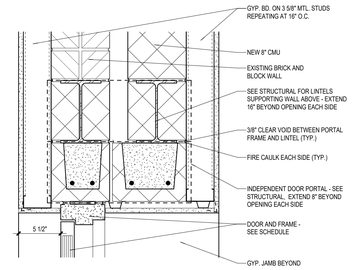
03.13.2025 BULLETIN 001

DRAWN JHB
REVIEWED AGS

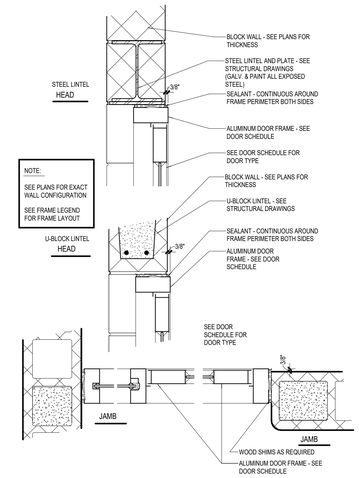
PROJECT NO. 5-6394

DOOR DETAILS

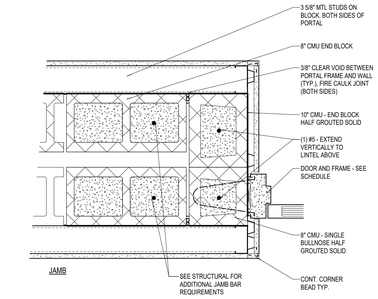
A7.01



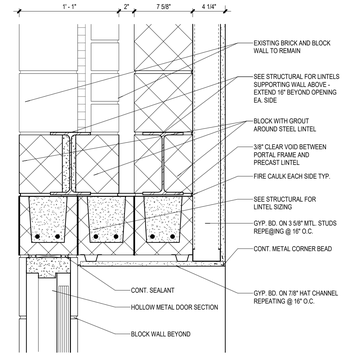
7 A7.02 A125A FIRE PORTAL HEAD DETAIL
1 1/2" = 1'-0"



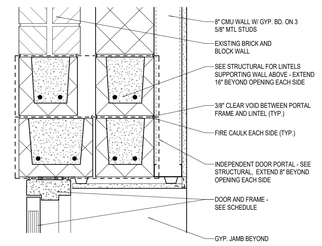
3 A7.02 ALUMINUM DOOR W/ SIDE LITE DETAIL
1 1/2" = 1'-0"



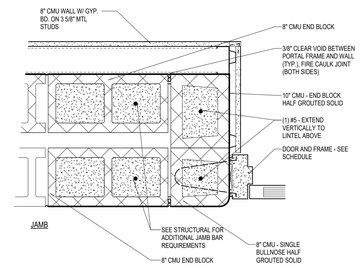
6 A7.02 A125A FIRE PORTAL JAMB DETAIL
1 1/2" = 1'-0"



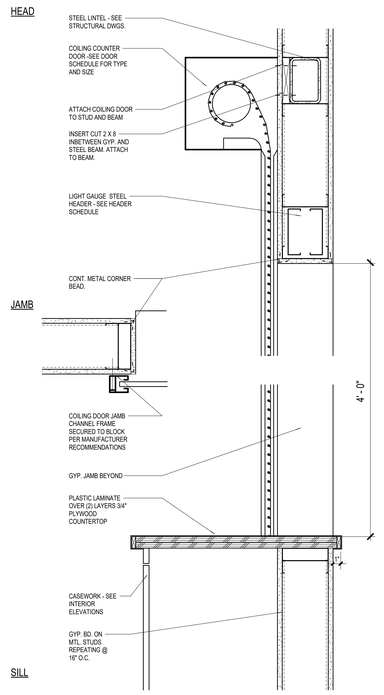
2 A7.02 FIRE PORTAL HEAD DETAIL
1 1/2" = 1'-0"



5 A7.02 A106A FIRE PORTAL HEAD DETAIL
1 1/2" = 1'-0"



4 A7.02 A106A FIRE PORTAL JAMB DETAIL
1 1/2" = 1'-0"



1 A7.02 COILING CONCESSIONS DOOR DETAIL
1 1/2" = 1'-0"

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3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

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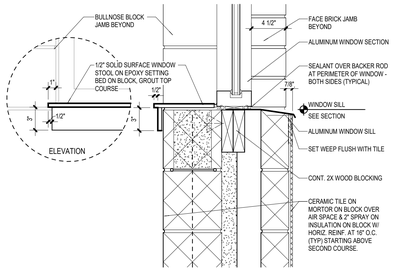
PROJECT NO. 5-6394

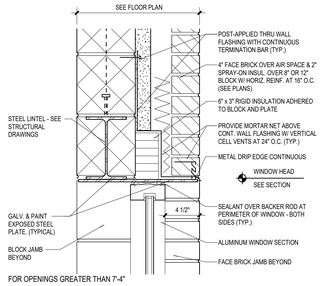
DOOR DETAILS

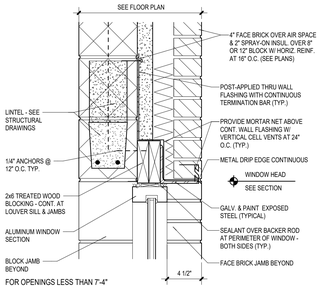
A7.02



16 A7.03 WINDOW SILL DETAIL W/ TILE

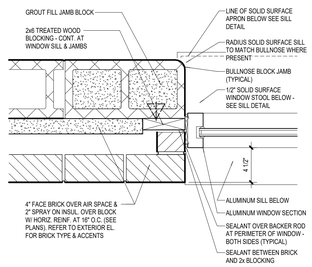
1 1/2" = 1'-0"





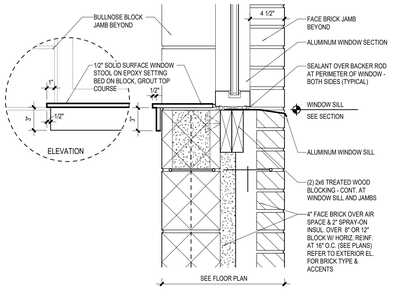
15 A7.03 WINDOW HEAD DETAIL

1 1/2" = 1'-0"



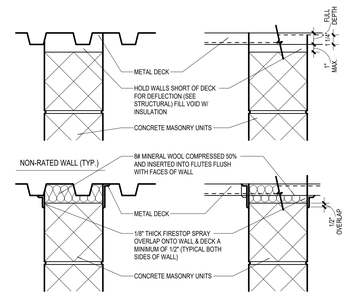
14 A7.03 WINDOW JAMB DETAIL

1 1/2" = 1'-0"



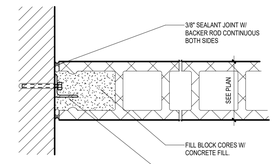
13 A7.03 WINDOW SILL DETAIL

1 1/2" = 1'-0"



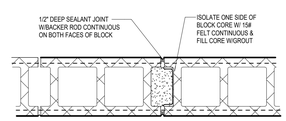
12 A7.03 TOP OF WALL DETAILS

1 1/2" = 1'-0"



11 A7.03 BLOCK CONNECTION TO EX. WALL

1 1/2" = 1'-0"



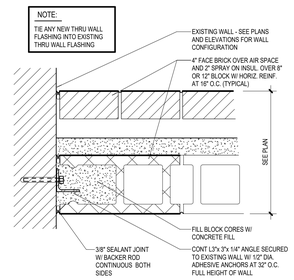
NOTE:

SEE STRUCTURAL FOR ADDITIONAL INFORMATION AND JOINT LOCATIONS

BLOCK CONTROL JOINTS NEED NOT ALIGN WITH MOVEMENT JOINTS

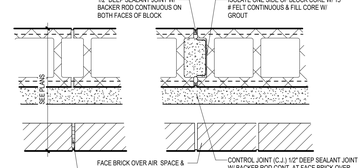
10 A7.03 BLOCK CONTROL JOINT DETAIL

1 1/2" = 1'-0"



9 A7.03 MASONRY CONNECTION TO EXIST. WALL

1 1/2" = 1'-0"



NOTE:

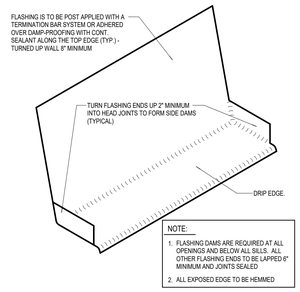
SEE PLANS & ELEVATIONS FOR MASONRY JOINT LOCATIONS - SPACE 20 FEET APART MAXIMUM

DO NOT CONTINUE JOINT REINF. THRU BLOCK CONTROL JOINT

BLOCK CONTROL JOINTS NEED NOT ALIGN WITH MOVEMENT JOINTS

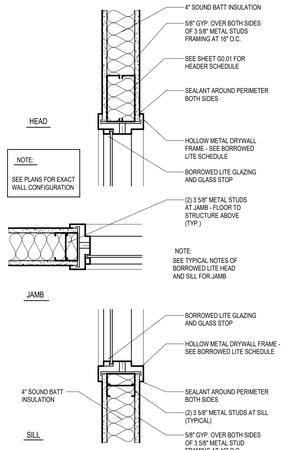
8 A7.03 MASONRY & CONTROL JOINT DETAIL

1 1/2" = 1'-0"



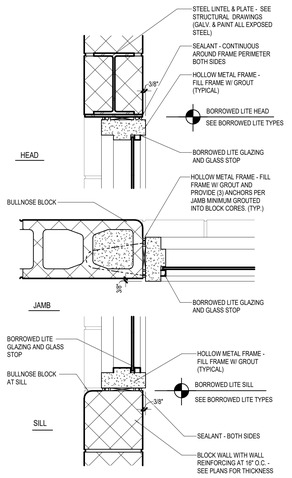
19 A7.03 TYPICAL FLASHING & DAM DETAIL

1 1/2" = 1'-0"



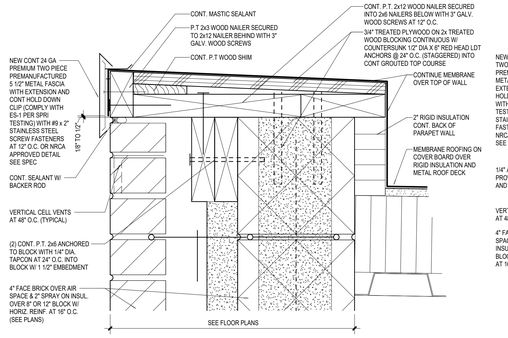
18 A7.03 GYP. BD. BORROWED LITE DETAIL

1 1/2" = 1'-0"



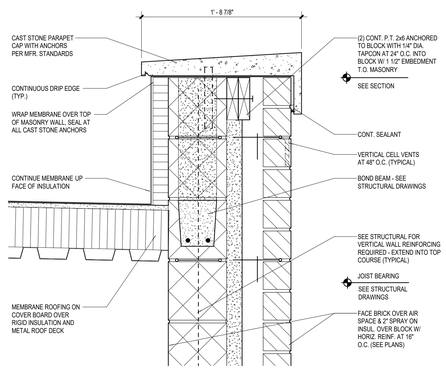
17 A7.03 HOLLOW METAL BORROWED LITE

1 1/2" = 1'-0"



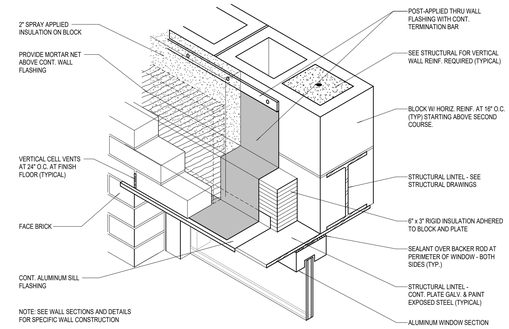
7 A7.03 TYPICAL ENLARGED WALL COPING - CONTRACTOR'S CHOICE

3" = 1'-0"



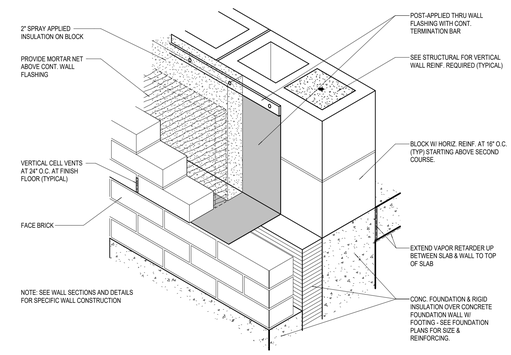
6 A7.03 STONE CAP DETAIL

1 1/2" = 1'-0"



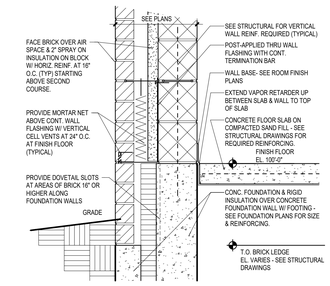
5 A7.03 FRAME HEAD FLASHING

1 1/2" = 1'-0"



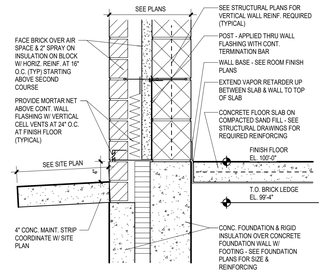
4 A7.03 MASONRY WALL BASE FLASHING

1 1/2" = 1'-0"



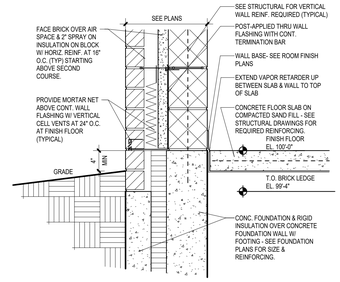
3 A7.03 TYP. WALL BASE DETAIL

1" = 1'-0"



2 A7.03 TYPICAL WALL BASE DETAIL

1" = 1'-0"



1 A7.03 TYP. WALL BASE DETAIL

1" = 1'-0"

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3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

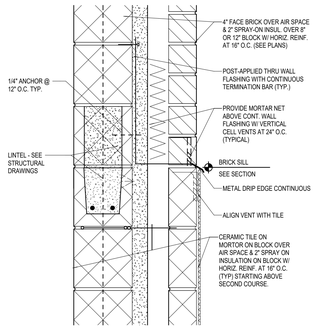
01.06.2025 BIDS & CONSTRUCTION
01.16.2025 ADDENDUM 001
03.13.2025 BULLETIN 001

DRAWN JHB
REVIEWED AGS

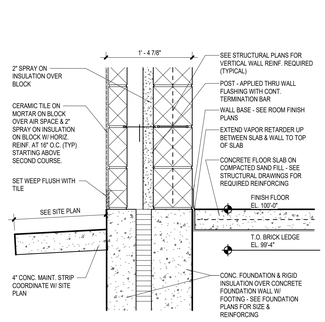
PROJECT NO. 5-6394

WALL AND WINDOW DETAILS

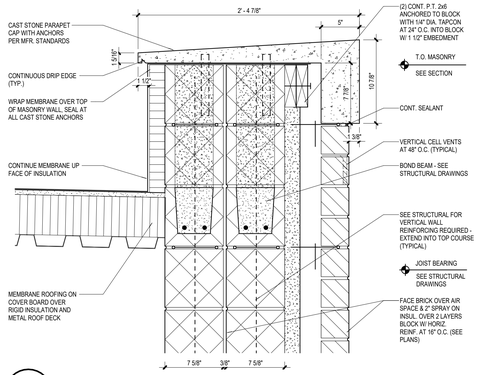
A7.03



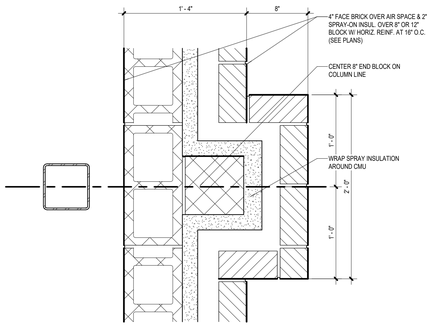
15 A7.04 BRICK TO TILE TRANSITION
1 1/2" = 1'-0"



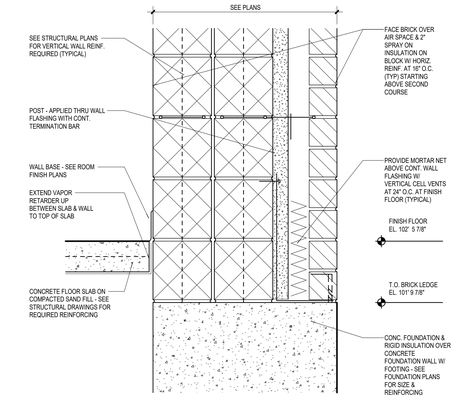
14 A7.04 TYPICAL WALL BASE DETAIL
1" = 1'-0"



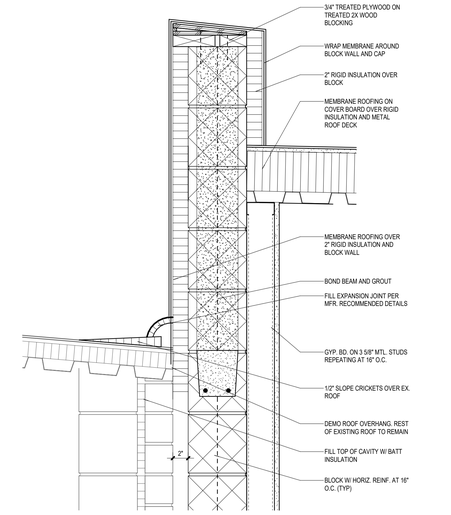
13 A7.04 STONE CAP DETAIL @ PILASTER
1 1/2" = 1'-0"



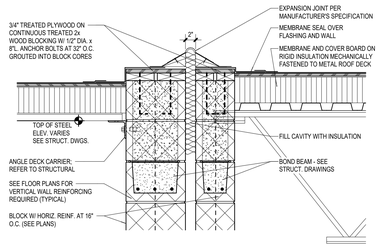
12 A7.04 PILASTER PLAN DETAIL
1 1/2" = 1'-0"



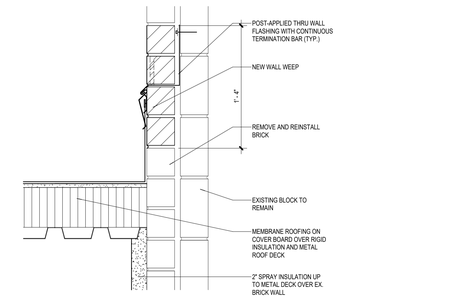
11 A7.04 PILASTER BASE DETAIL
1 1/2" = 1'-0"



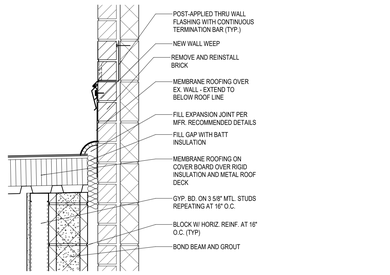
10 A7.04 EXPANSION JOINT DETAIL
1 1/2" = 1'-0"



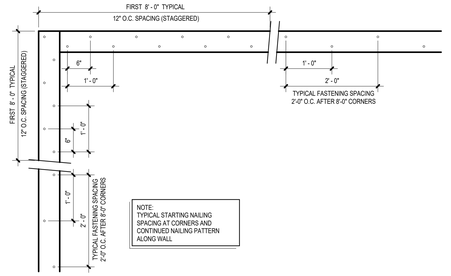
9 A7.04 2-HR DOUBLE FIRE WALL T.O.W. DETAIL
1" = 1'-0"



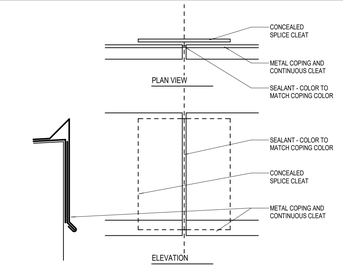
8 A7.04 NEW ROOF TO EX. WALL DETAIL
1 1/2" = 1'-0"



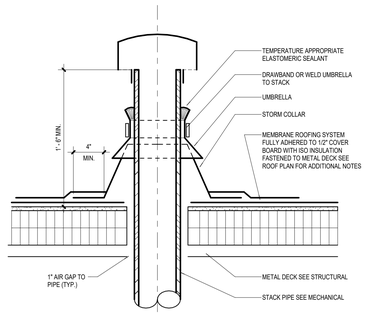
7 A7.04 NEW ROOF TO EX. WALL EXPANSION JOINT DETAIL
1" = 1'-0"



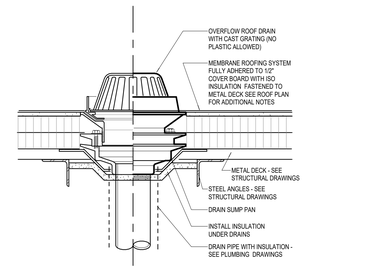
6 A7.04 WOOD NAILER SECUREMENT CRITERIA
3/4" = 1'-0"



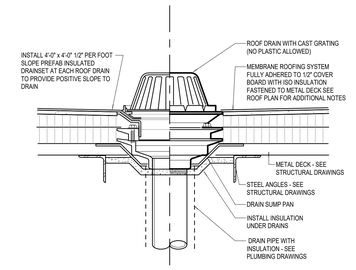
5 A7.04 METAL COPING SPLICE DETAIL
3" = 1'-0"



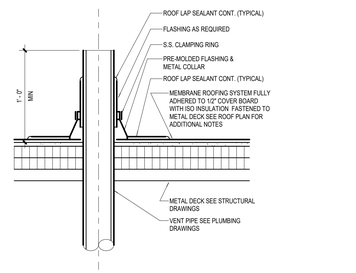
4 A7.04 STACK FLASHING DETAIL
1 1/2" = 1'-0"



3 A7.04 ROOF DRAIN OVERFLOW DETAIL
1 1/2" = 1'-0"



2 A7.04 SINGLE ROOF DRAIN DETAIL
1 1/2" = 1'-0"



1 A7.04 TYPICAL ROOF VENT DETAIL
1 1/2" = 1'-0"

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3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
01.16.2025 ADDENDUM 001
03.13.2025 BULLETIN 001

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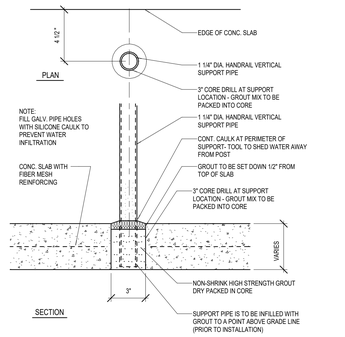
REVIEWED AGS

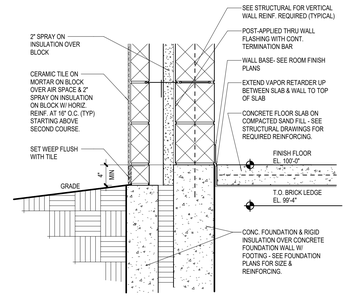
PROJECT NO. 5-6394

DETAILS

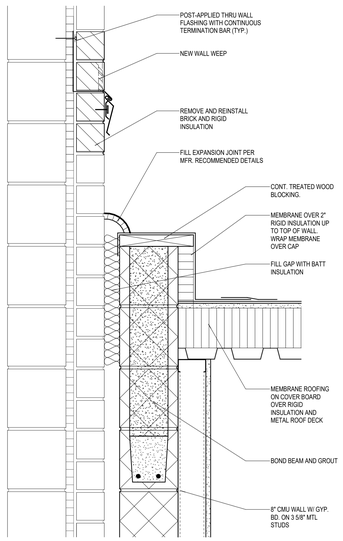
A7.04



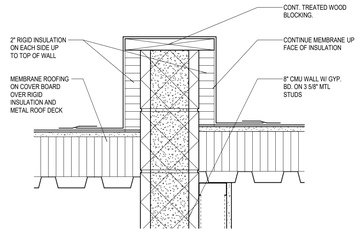
10 A7.05 EXTERIOR HANDRAIL SUPPORT DETAIL
1 1/2" = 1'-0"



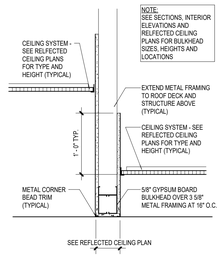
9 A7.05 TYP. WALL BASE DETAIL
1" = 1'-0"



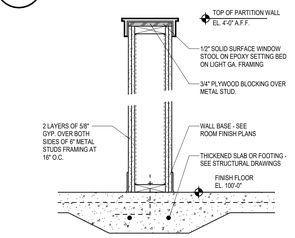
8 A7.05 EXPANSION JOINT @ ROOF CURB
1 1/2" = 1'-0"



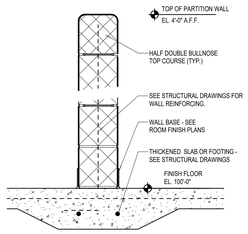
7 A7.05 WALL CAP DETAIL
1 1/2" = 1'-0"



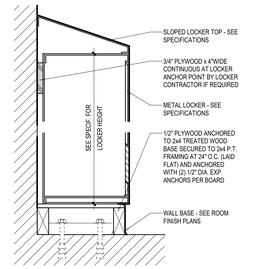
6 A7.05 SMALL BULKHEAD DETAIL
1" = 1'-0"



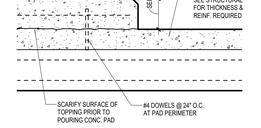
5 A7.05 GYP. ON METAL STUDS PARTITION WALL DETAIL
1" = 1'-0"



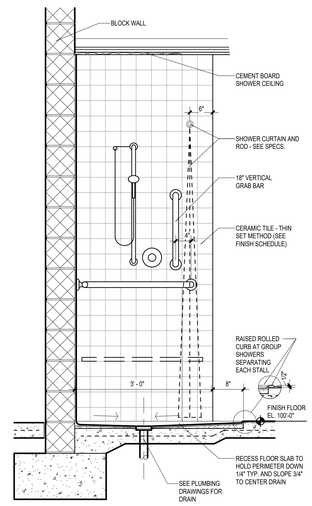
4 A7.05 BLOCK PARTITION WALL DETAIL
1" = 1'-0"



3 A7.05 WOOD LOCKER BASE DETAIL
1 1/2" = 1'-0"



2 A7.05 CONC. EQUIPMENT PAD ON PRECAST
1" = 1'-0"



1 A7.05 BARRIER FREE INDIVIDUAL SHOWER
3/4" = 1'-0"

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WESTERN WAYNE SCHOOLS

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01.16.2025 ADDENDUM 001
03.13.2025 BULLETIN 001

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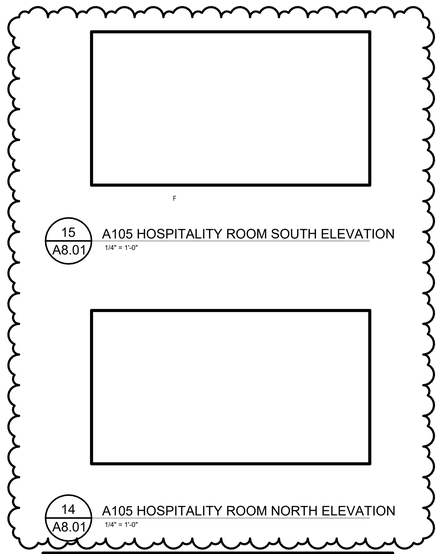
REVIEWED AGS

PROJECT NO. 5-6394

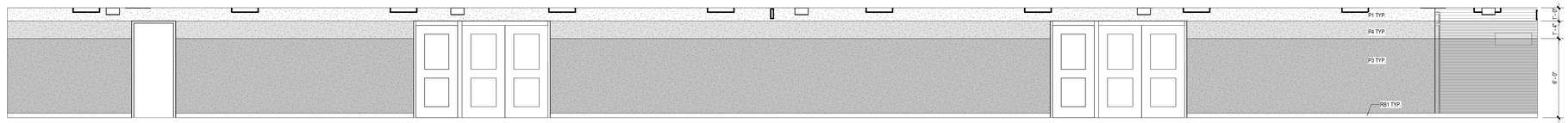
DETAILS

A7.05

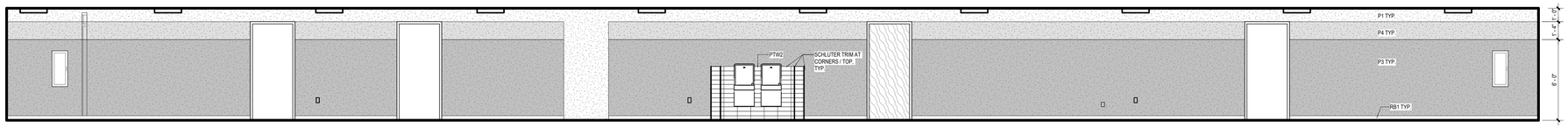


15 A8.01 A105 HOSPITALITY ROOM SOUTH ELEVATION
1/4" = 1'-0"

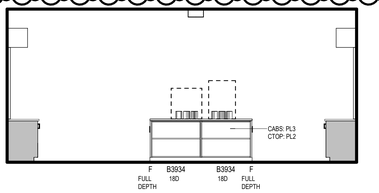
14 A8.01 A105 HOSPITALITY ROOM NORTH ELEVATION
1/4" = 1'-0"



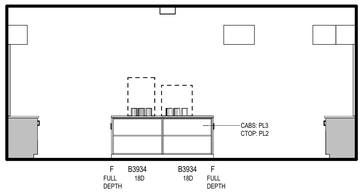
11 A8.01 A100 LOBBY SOUTH ELEVATION
1/4" = 1'-0"



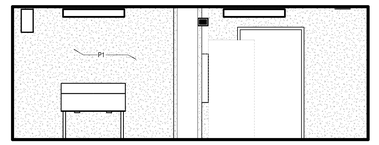
10 A8.01 A100 LOBBY NORTH ELEVATION
1/4" = 1'-0"



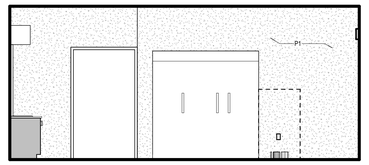
13 A8.01 A128 CONCESSION ISLAND WEST ELEVATION
1/4" = 1'-0"



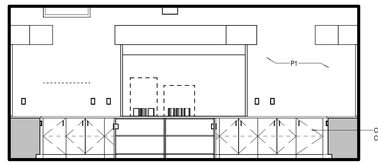
12 A8.01 A128 CONCESSION ISLAND EAST ELEVATION
1/4" = 1'-0"



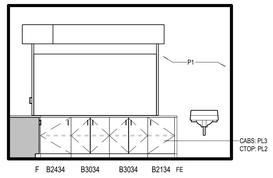
9 A8.01 A125 CONCESSIONS STORAGE ELEVATION
1/4" = 1'-0"



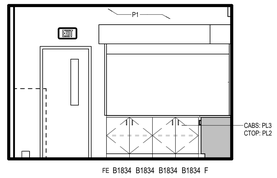
8 A8.01 A128 CONCESSIONS WEST ELEVATION
1/4" = 1'-0"



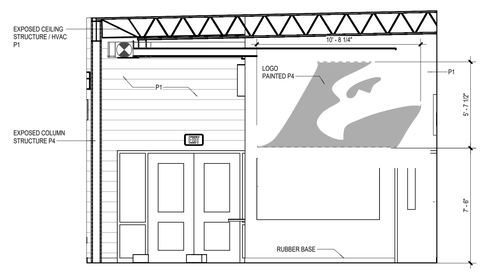
7 A8.01 A128 CONCESSIONS EAST ELEVATION
1/4" = 1'-0"



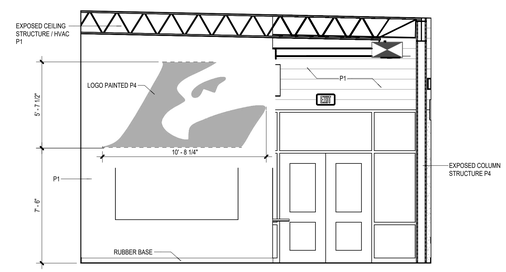
6 A8.01 A128 CONCESSIONS SOUTH ELEVATION
1/4" = 1'-0"



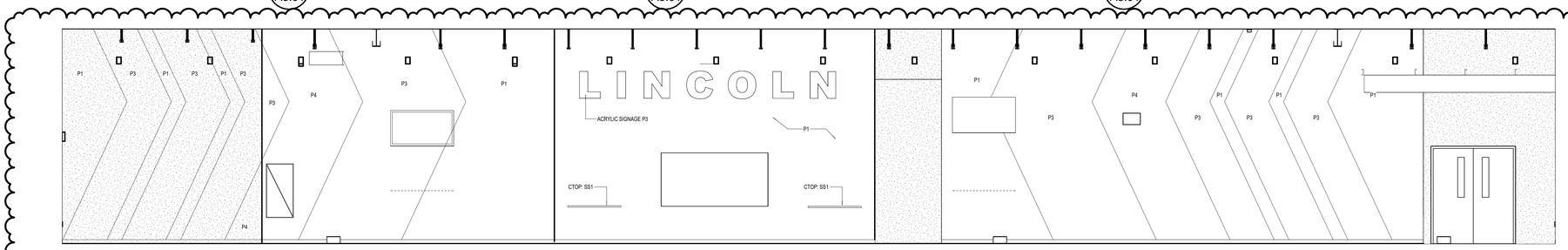
5 A8.01 A128 CONCESSIONS NORTH ELEVATION
1/4" = 1'-0"



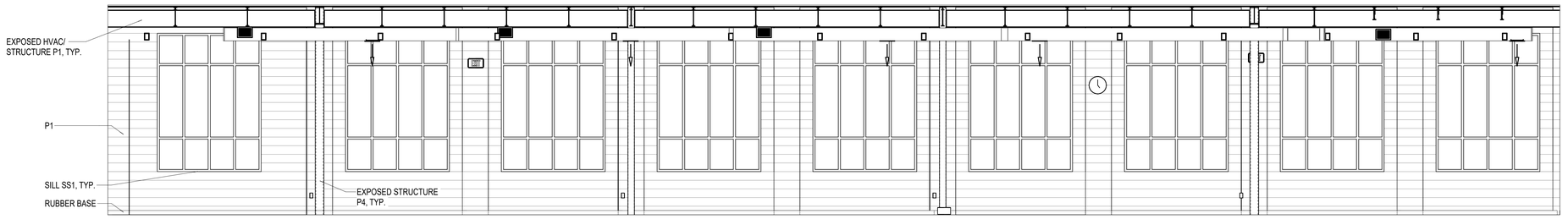
4 A8.01 A127 LOBBY SOUTH ELEVATION
1/4" = 1'-0"



3 A8.01 A127 LOBBY NORTH ELEVATION
1/4" = 1'-0"



2 A8.01 A127 LOBBY WEST ELEVATION
1/4" = 1'-0"



1 A8.01 A127 LOBBY EAST ELEVATION
1/4" = 1'-0"

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3.18.2025

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WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
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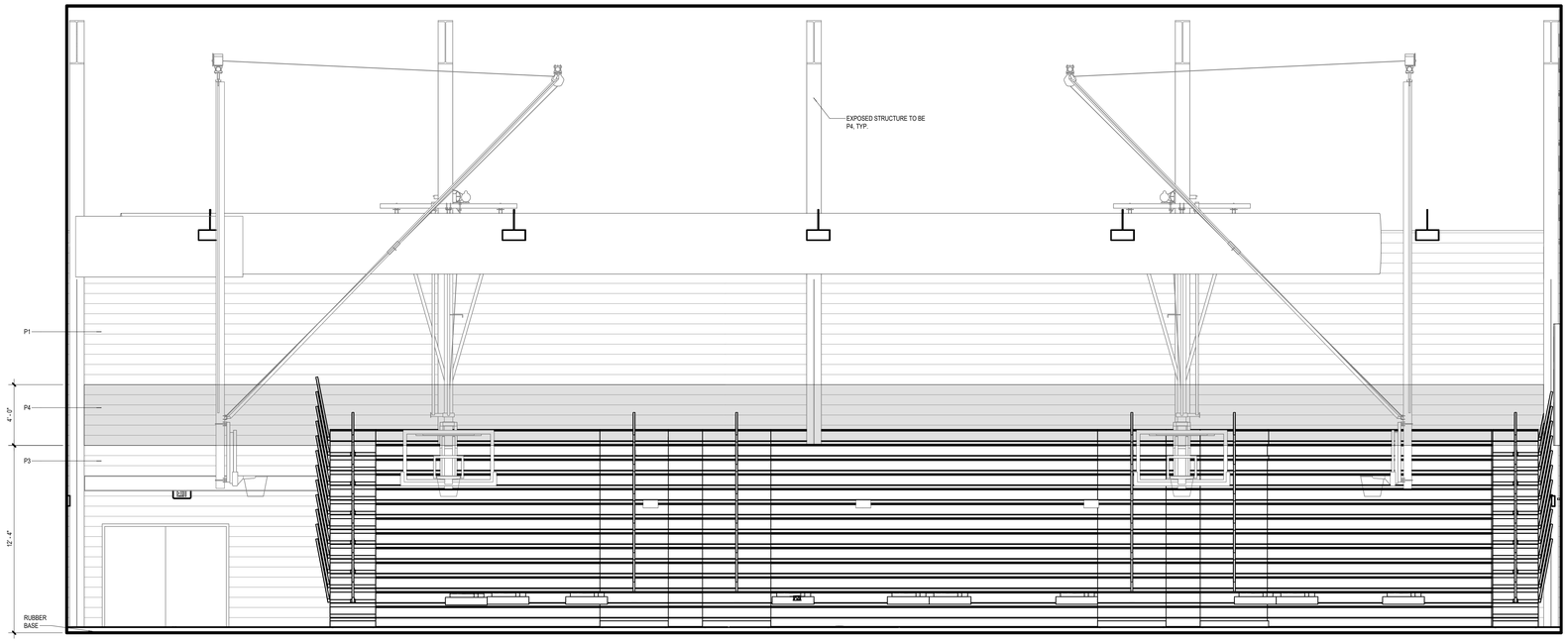
PROJECT NO. 5-6394

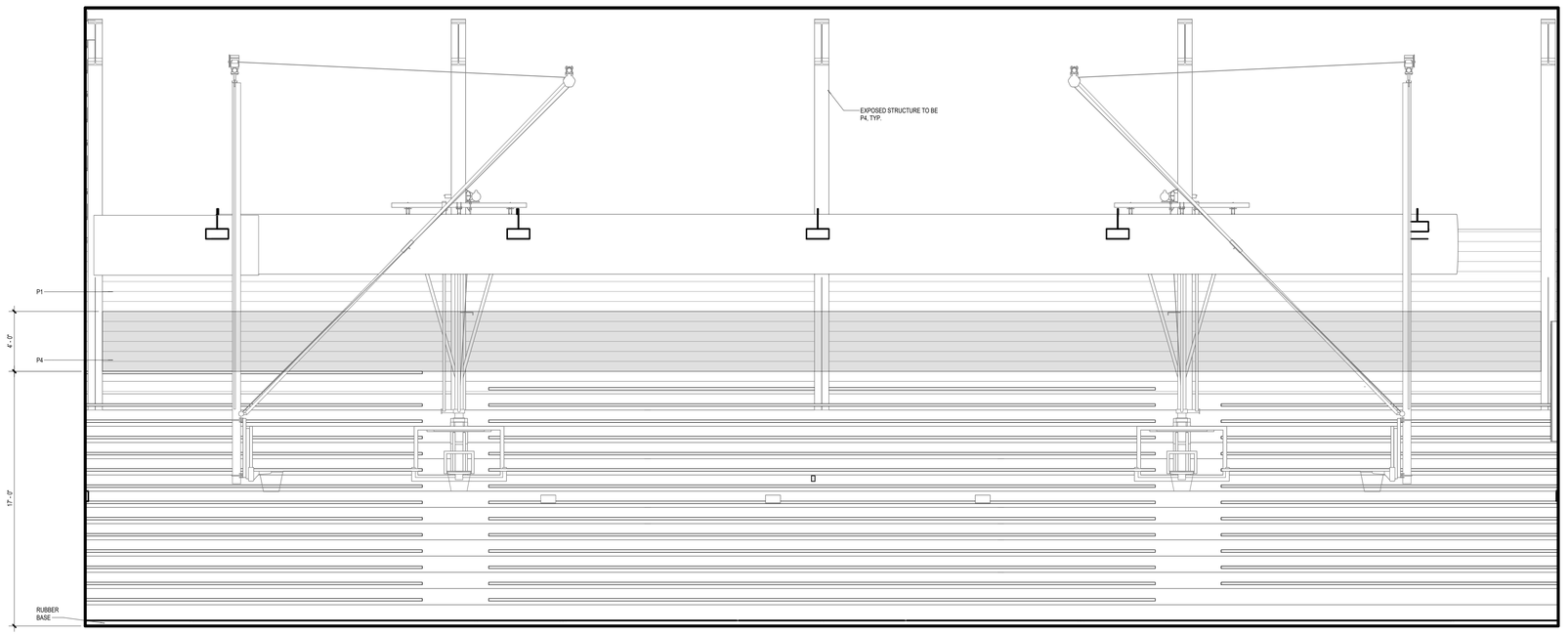
INTERIOR ELEVATIONS

A8.01

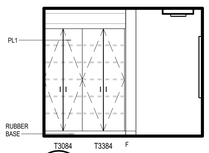
Autodesk Docs://5-6394 Western Wayne Schools Additions & Renovations/5-6394A 2025.rvt
3/13/2025 7:36:25 AM



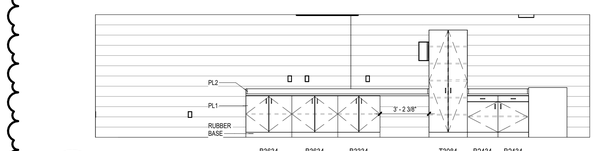
7 A8.02 A122 GYMNASIUM WEST ELEVATION
1/4" = 1'-0"



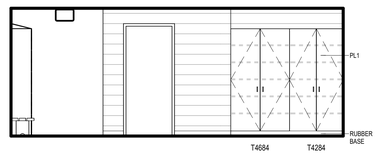
6 A8.02 A122 GYMNASIUM EAST ELEVATION
1/4" = 1'-0"



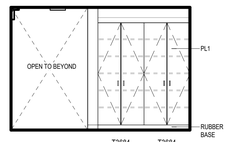
5 A8.02 A109 MENS BASKETBALL NORTH ELEVATION
1/4" = 1'-0"



3 A8.02 A112 ATHLETIC DIRECTORS OFFICE
1/4" = 1'-0"



2 A8.02 A114 GIRLS VARSITY LOCKER ROOM NORTH ELEVATION
1/4" = 1'-0"



1 A8.02 A118 FOOTBALL LOCKER ROOM NORTH ELEVATION
1/4" = 1'-0"

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DAVID MICHAEL BOLT REGISTERED No. AR11500077 STATE OF INDIANA ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

WESTERN WAYNE SCHOOLS

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

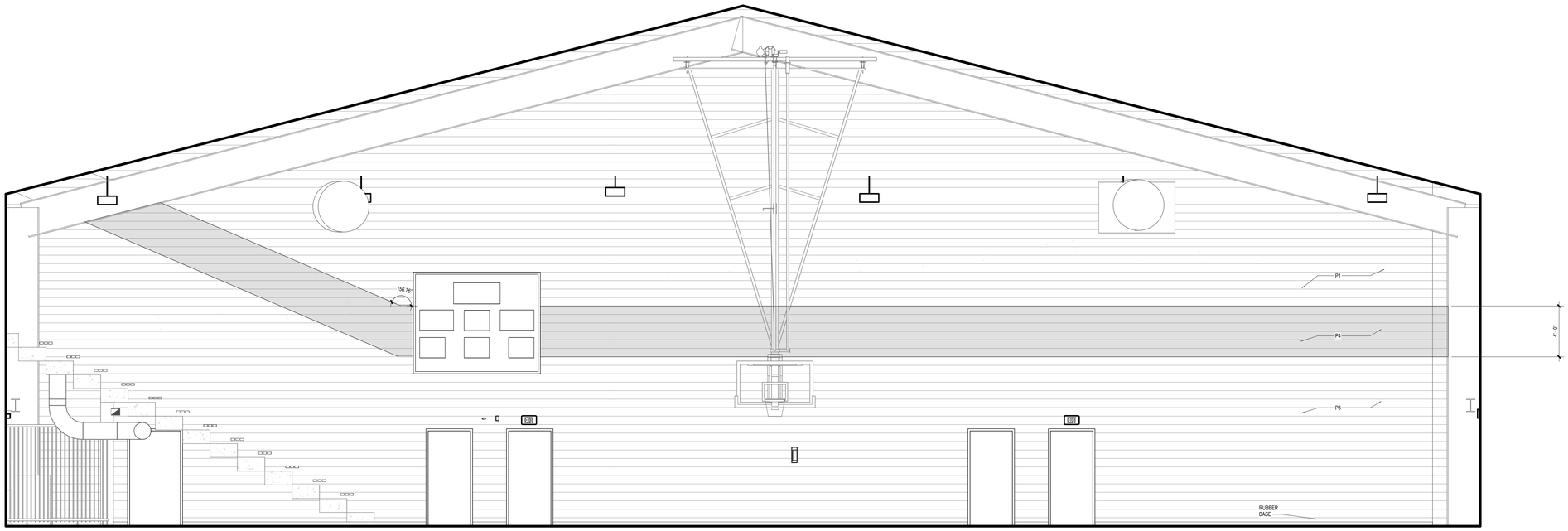
DRAWN JMD
REVIEWED AGS

PROJECT NO. 5-6394

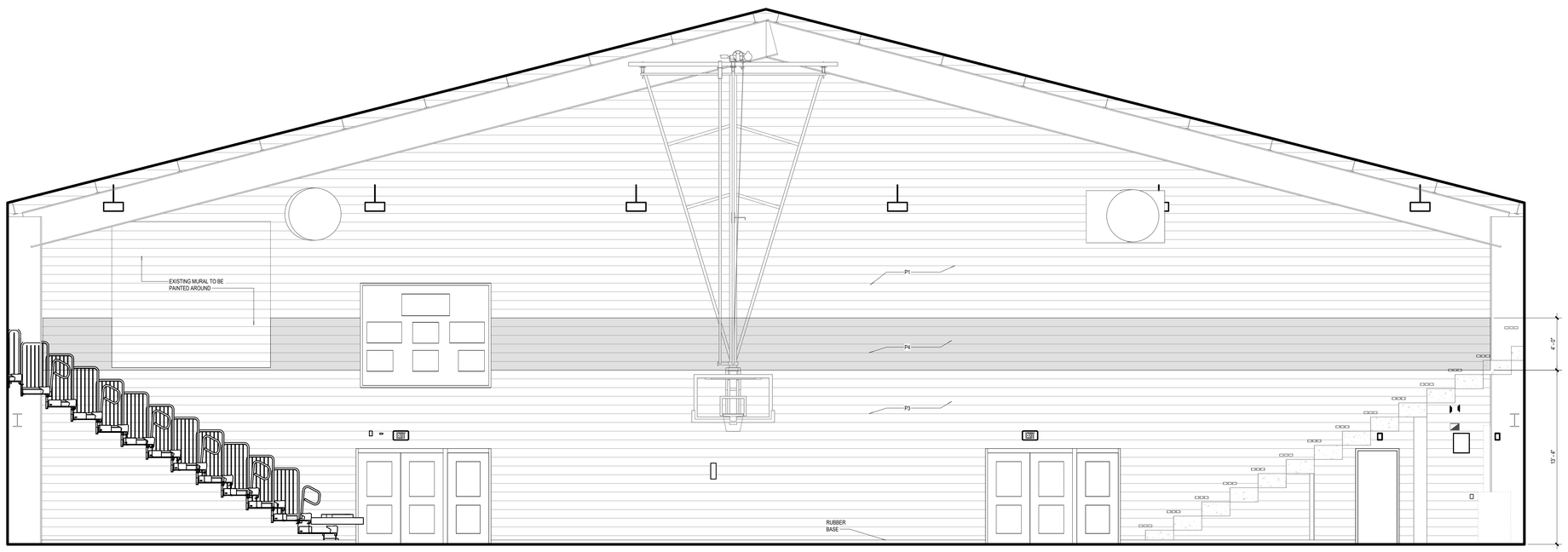
INTERIOR ELEVATIONS

A8.02

Autodesk Docs://5-6394 Western Wayne Schools Additions & Renovations/5-6394A 2025.rvt
3/13/2025 7:36:30 AM



2 / A8.03 A122 GYMNASIUM SOUTH ELEVATION
1/4" = 1'-0"



1 / A8.03 A122 GYMNASIUM NORTH ELEVATION
1/4" = 1'-0"

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No. AR11500077
STATE OF INDIANA
ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

WESTERN WAYNE SCHOOLS

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

DRAWN JMD

REVIEWED AGS

PROJECT NO. 5-6394

INTERIOR ELEVATIONS

A8.03

Autodesk Docs://5-6394 Western Wayne Schools Additions & Renovations/5-6394A 2022.rvt
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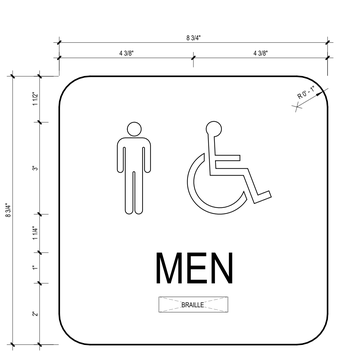
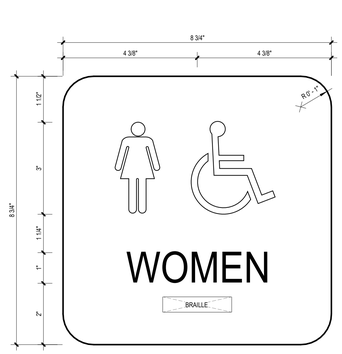


SIGNAGE TYPE C

6" = 1'-0"

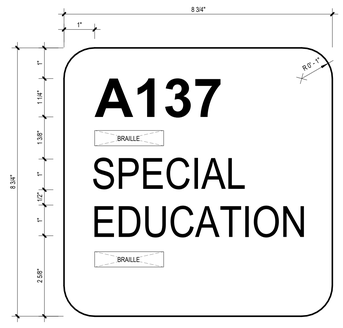


SIGNAGE TYPE D

6" = 1'-0"

SIGNAGE TYPE E

6" = 1'-0"



SIGNAGE TYPE B

6" = 1'-0"

ROOM SIGNAGE SCHEDULE UNIT 'A'

GMB ROOM NAME	GMB ROOM NUMBER	SIGNAGE TYPE	OWNER ROOM NAME	OWNER ROOM NUMBER	BACK PLATE	ROOM SIGNAGE COMMENTS
OFFICE	A103	B	OFFICE	A110		
ATHLETIC STORAGE	A104	B	ATHLETIC STORAGE	A110S		
HOSPITALITY ROOM	A105	B	HOSPITALITY	A111		
STORAGE	A106	B	STORAGE	A111A		
REF LOCKER ROOM	A107	B	REF LOCKER ROOM	A108		
COACH OFFICE	A108	B	COACH OFFICE	A107A		
MENS BASKETBALL LOCKER ROOM	A109	B	MENS BASKETBALL LOCKER	A107		
STORAGE	A110	B	STORAGE	A107S		
A.T. ROOM	A112	B	ATHLETIC TRAINING	A105		
LAUNDRY	A113	B	LAUNDRY	A106		
GIRLS VARSITY LOCKER ROOM	A114	B	GIRLS VARSITY	A104		
FOOTBALL LOCKER ROOM	A118	B	FOOTBALL LOCKER ROOM	A103		
COACH OFFICE	A119	B	COACH OFFICE	A103A		
STORAGE	A121	B	STORAGE	A13S		
GYMNASIUM	A122	B	GYMNASIUM	A109		4 SIGNS
CONCESSIONS STORAGE	A125	B	CONCESSION STORAGE	A117		2 SIGNS
STORAGE	A126	B	STORAGE	A116		
LOBBY	A127	B	LOBBY	A001		3 SIGNS
CONCESSIONS	A128	B	CONCESSIONS	A002		
ELECTRICAL ROOM	A129	B	ELECTRICAL	A118		
WOMEN'S TOILET	A133	D	WOMENS TOILET	A115		
MEN'S TOILET	A134	C	MENS TOILET	A115		
GIRLS VARSITY LOCKER ROOM	A140	B	GIRLS VARSITY	A112		
OFFICE	A143	B	OFFICE	A105A		
STORAGE	A148	B	STORAGE	A112S		
COACHES OFFICE	A150	B	COACH OFFICE	A112A		
STORAGE	A151	B	STORAGE	104S		
COACH OFFICE	A152	B	COACH OFFICE	104A		
MEN'S TOILET	A155	B/ C	MENS LOCKER	A113		
WOMEN'S TOILET	A158	B / D	WOMENS LOCKER	A114		

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Design, Inc.

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3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

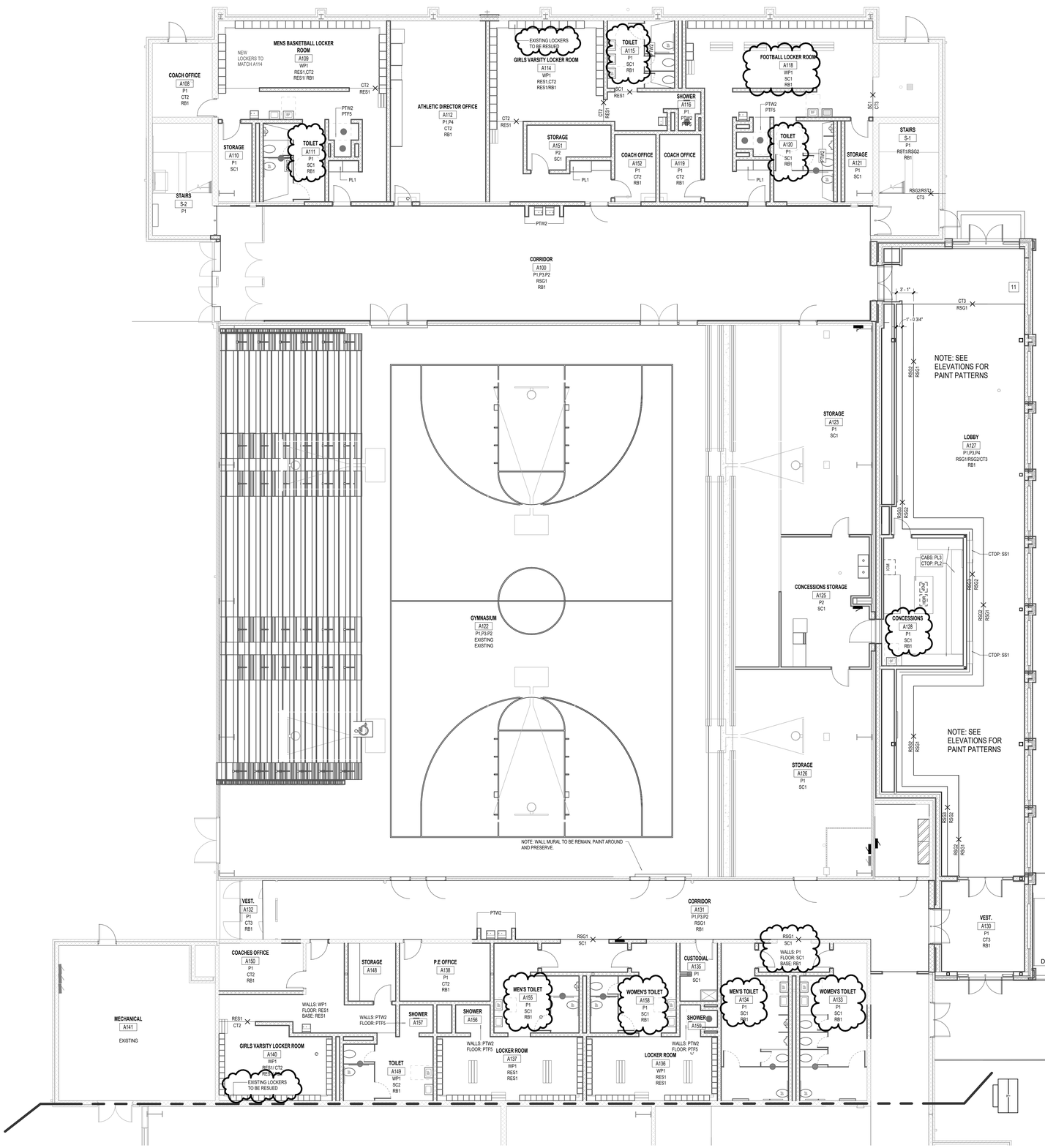
DRAWN JMD

REVIEWED AGS

PROJECT NO. 5-6394

ROOM SIGNAGE

A9.01



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

GENERAL FINISH NOTES :

1. ALL CERAMIC TILE OR PORCELAIN TILE FLOORS TO RECEIVE CERAMIC TILE BASE; U.N.O.
2. ALL AREAS OF CARPET, LVT, SEALED CONCRETE, OR OTHER RESILIENT FLOORING TO RECEIVE RUBBER BASE; U.N.O. ON FINISH PLANS.
3. IT IS THE RESPONSIBILITY OF ALL TRADES TO COORDINATE PREPARATION OF SURFACES TO RECEIVE FINISH PRODUCT. CONSULT WITH MANUFACTURERS RECOMMENDED PRACTICES.
4. ALL REDUCERS TO COORDINATE APPROPRIATELY WITH ABUTTING MATERIAL HEIGHT.
5. INSTALL 4" H. RUBBER BASE (RB) AT CASEWORK TOE KICKS, INSIDE OF FLOORLESS CASEWORK, AND VERTICAL SUPPORTS.
6. SEE SPECIFICATIONS FOR RESILIENT ACCESSORY INFORMATION.
7. PAINT ALL EXPOSED MECHANICAL AND ELECTRICAL ITEMS INTENDED TO RECEIVE FIELD PAINT TO MATCH ADJACENT SURFACES; U.N.O.
8. DOOR AND WINDOW FRAMES TO BE PAINTED P2; U.N.O.
9. EXPOSED CEILINGS, DECK, DUCTWORK, STRUCTURE AND OTHER MISC. EXPOSED ITEMS TO BE PAINTED; U.N.O. ON INTERIOR ELEVATIONS, CEILING PLANS OR FINISH PLANS.
10. FACE & UNDERSIDE OF BULKHEADS TO BE PAINTED P1; U.N.O. ON FINISH PLANS OR NOTED ON INTERIOR ELEVATIONS.
11. REFER TO CEILING PLANS & CEILING SPECIFICATIONS FOR SPECIAL CEILING DESIGNATIONS AND ACT TYPES.
12. REFER TO INTERIOR ELEVATION SHEETS FOR MORE DETAILED PAINT AND INTERIOR FINISH INFORMATION.
13. WHERE PORCELAIN/CERAMIC TILE IS APPLIED ON THE WALL BASE, PROVIDE (METAL TRANSITION STRIP AT EXPOSED TILE EDGES); REFER TO SPECIFICATIONS AND/OR ELEVATIONS FOR TYPE, FINISH AND LOCATION INFORMATION.
14. WHERE PORCELAIN/CERAMIC TILE IS APPLIED ON THE WALL SURFACE, PROVIDE METAL TRANSITION STRIP AT EXPOSED TILE EDGES INCLUDING EXTERIOR CORNERS; REFER TO SPECIFICATIONS AND/OR ELEVATIONS FOR TYPE, FINISH AND LOCATION INFORMATION.
15. ALL WALL TILE INSTALLATIONS SHOULD BE FULL HEIGHT; UNLESS NOTED OR SHOWN OTHERWISE ON INTERIOR ELEVATIONS.
16. WHERE WALL TILE IS SPECIFIED TO BE FULL HEIGHT THAT SHALL INCLUDE THE TOP OF ANY WALLS THAT DO NOT EXTEND TO THE CEILING PLANE. U.N.O.
17. ALIGN FLOOR TILE GROUT JOINTS WITH WALL TILE GROUT JOINTS WHERE APPLICABLE.
18. WHERE MATERIALS TRANSITION AT DOOR THRESHOLD, TRANSITION SHOULD OCCUR AT THE CENTER OF THE DOOR IN THE CLOSE POSITION.
19. FOR ALL TILE INSTALLATIONS; REFER TO SPECIFICATIONS FOR TRIM FINISH INFORMATION
20. MECHANICAL & ELECTRICAL ROOM FINISHES: AS A TYPICAL; PAINT WALLS, DO NOT PAINT EXPOSED STRUCTURE; DO NOT PROVIDE WALL BASE. TYPICAL UNLESS NOTED OTHERWISE ON FINISH PLANS.
21. WHERE SEALED CONCRETE (SC), IS SPECIFIED, REFER TO SPECIFICATION SECTION 09 90 00 PAINTING, FOR SYSTEM TYPE.
22. REFER TO SPECIFICATIONS FOR ALL PAINT TYPES.
23. ALL PAINTED WALLS IN TOILET ROOMS, KITCHENS, LOCKER ROOMS, SCIENCE ROOMS, STEM AND MAKERSPACES SHALL RECEIVE EPOXY PAINT.
24. ALL STAIR AND GUARDRAIL RAILINGS, HANDRAILS, STRINGERS, RISERS, ETC ARE TO BE PAINTED P2; U.N.O.
25. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF OWNER FURNISHED EQUIPMENT, INCLUDED DIMENSIONS OF SUCH AS THEY RELATE TO THEIR OWN WORK.
26. REMOVE, SALVAGE AND RE-INSTALL EXISTING ROOM SIGNAGE PRIOR TO PAINTING WALLS IN AREAS OF WORK, TYP.
27. REMOVE AND SALVAGE ALL WALL MOUNTED FURNISHINGS AND ARTWORK PRIOR TO PAINTING. COORDINATE SALVAGE AND RE-INSTALLATION WITH OWNER.
28. DO NOT PAINT OVER EXISTING GLAZED FACE BLOCK OR EXPOSED BRICK. U.N.O.
29. PROTECT ALL FINISHES DURING CONSTRUCTION.

FINISH SYMBOLS :

ROOM NAME
WALL FINISH
FLOOR FINISH
BASE FINISH

CPT1 / VCT1 — FLOORING TRANSITION

W.P. 1 — WORK POINT

FINISH KEYNOTES :

01 MANUAL ROLLER SHADE LOCATION. PROVIDE FULL WIDTH OF WINDOW ASSEMBLY AT EACH LOCATION REFER TO SPECIFICATION

02 MOTORIZED ROLLER SHADES LOCATION. PROVIDE FULL WIDTH OF WINDOW ASSEMBLY AT EACH LOCATION REFER TO SPECIFICATION

07 PAINT WALLS: P1 FROM FINISHED FLOOR TO 6'AFF. P4 STARTING 6'AFF FOR 2 COURCES, THEN P3 AT 7'-4" FOR TWO COURCES. SEE ELEVATIONS.

08 PAINT WALLS: P2 ABOVE TILED WEINSCOT TO 6'-8"AFF. P3 STARTING 6'-8"AFF FOR 2 COURCES, THEN P1 FOR 1 COURSE. SEE ELEVATIONS.

09 PAINT FRAME AND 8" AROUND DOOR TO FINISHED CEILING: P4

10 PAINT LATCH SIDE OF WALL: P4 1'-4"W, P3 8" W

11 WINDOW SILLS TO BE SS1

FINISH LEGEND :

ACT1 ACOUSTICAL CEILING TILE (CLASSROOMS / COORIDORS)
MFR: ARMSTRONG
STYLE: FINE FISSURED 1728
COLOR: WHITE
SIZE: 24 X24

ACT2 ACOUSTICAL CEILING TILE (LOCKER ROOM / KITCHEN)
MFR: ARMSTRONG
STYLE: CERAMAGUARD 605
COLOR: WHITE
SIZE: 24 X 24

CT1 CARPET TILE (USED IN BP2)
MFR: MANNINGTON COMMERCIAL
STYLE: SCRPT
COLOR: BOROUGH 15217
SIZE: 24" X 24"
INSTALLATION: MONOLITHIC ? (VERIFY)

CT2 CARPET TILE
MFR: J+J FLOORING
STYLE: KINETEX Z FACTOR
COLOR: 2882
SIZE: 18" X 36"
INSTALLATION: ASHLAR

CT3 CARPET TILE (WALK OFF TILE)
MFR: MILLIKEN
STYLE: OBEX TILE - CUT CONTOUR
COLOR: GRAY W/ NAVY
SIZE: 19.7" X 19.7"
INSTALLATION: ASHLAR

CT4 CARPET TILE (MEDIA CENTER) (USED IN BP2)
MFR: MANNINGTON
STYLE: RULE 30
COLOR: GENS
SIZE: 18 X 36
INSTALLATION: ASHLAR

CT5 CARPET TILE (MEDIA CENTER) (USED IN BP2)
MFR: MANNINGTON
STYLE: RULE 30
COLOR: PHOENIX
SIZE: 18 X 36
INSTALLATION: ASHLAR

LVT1 LUXURY VINYL TILE (USED IN BP2)
MFR: MOHAWK GROUP
STYLE: TERRAZZO C2180
COLOR: 725 RANDAZZO
SIZE: 12" X 24"

LVT2 LUXURY VINYL TILE (USED IN BP2)
MFR: INTERFACE
STYLE: TEXTURED WOODGRAINS
COLOR: A0A65 GREY DUNE
SIZE: 9.845" X 39.38"

LVT3 LUXURY VINYL TILE (USED IN BP2)
MFR: INTERFACE
STYLE: STUDIO SET
COLOR: ELECTRIC BLUE A00721
SIZE: 9.845" X 39.38"

PTW1 PORCELAIN TILE WALL (USED IN BP2)
MFR: MEDITERRANEA
STYLE: CHICAGO
COLOR: SOUTH SIDE
SIZE: 4 X 8
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

PTW2 CERAMIC TILE WALL
MFR: AMERICAN OLEAN
STYLE: COLOR STORY
COLOR: BALANCE GLOSSY
SIZE: 4 X 12
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

PTW3 CERAMIC TILE WALL (EXTERIOR TILE)
MFR: CERCOM
STYLE: IN CONTRO
COLOR: CREAM
SIZE: 24 X 48
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

PTW4 CERAMIC TILE WALL
MFR: AMERICAN OLEAN
STYLE: COLOR STORY
COLOR: SAPPHIRE SKY GLOSSY
SIZE: 4 X 12
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

PTF5 CERAMIC TILE WALL
MFR: AMERICAN OLEAN
STYLE: UNGLAZED MOSAICS
COLOR: CONFIDENT BLEND
SIZE: 1X1
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

P1 PAINT (GENERAL)
MFR: SHERWIN WILLIAMS
COLOR: EXTRA WHITE SW7006

P2 PAINT (TRIM)
MFR: SHERWIN WILLIAMS
COLOR: MINDFUL GRAY SW7016

P3 PAINT (ACCENT BLUE)
MFR: SHERWIN WILLIAMS
COLOR: CUSTOM R=37, G=52, B=122

P4 PAINT (ACCENT YELLOW)
MFR: SHERWIN WILLIAMS
COLOR: CUSTOM R=244, G=168, B=29

PL1 PLASTIC LAMINATE
MFR: WILSONART
STYLE: WOOLAMAI BRUSH 4746
FINISH: 60 MATTE FINISH

PL2 PLASTIC LAMINATE (COUNTERTOP)
MFR: WILSONART
STYLE: PRESSED LINEN 4991
FINISH: 39 FINE VELVET

PL3 PLASTIC LAMINATE (MILLWORK) (USED IN BP2)
MFR: WILSONART
STYLE: SESAME VELVET ELM 15603
FINISH: 31 TRACELESS

PL4 PLASTIC LAMINATE (MILLWORK) (USED IN BP2)
MFR: WILSONART
STYLE: LAPIS BLUE D417
FINISH: 60 MATTE

PL5 PLASTIC LAMINATE (MILLWORK) (USED IN BP2)
MFR: WILSONART
STYLE: PEARL SOAPSTONE
FINISH: 38 FINE VELVET

RB1 RUBBER BASE
MFR: TARKETT
STYLE: JOHNSONITE BASEWORKS
COLOR: MEDIUM GREY 28
SIZE: 4" H

RES1 RESINOUS FLOORING SYSTEM
MFR: SHERWIN WILLIAMS
STYLE: RESILFLOR DECO FLAKE 1/4"
COLOR: CUSTOM SELECT

RSG1 RESILIENT SHEET GOODS
MFR: MANNINGTON (DARK GRAY)
STYLE: BIOSPEC MD
COLOR: PEPPERCORN 15502
SIZE: STANDARD ROLL

RSG2 RESILIENT SHEET GOODS (BLUE)
MFR: MANNINGTON
STYLE: BIOSPEC MD
COLOR: ISLAND SKY 15434
SIZE: ROLL

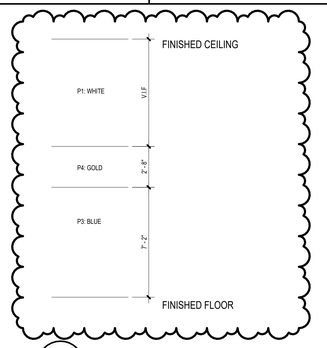
RSG3 RESILIENT SHEET GOODS
MFR: MANNINGTON (LT GRAY)
STYLE: BIOSPEC MD
COLOR: KOALA 15505
SIZE: ROLL

RST1 RUBBER STAIR TREAD SYSTEM
MFR: TARKETT
STYLE: ANGLE FIT TREAD & RISER
TEXTURE: RAISED SQUARE TREADRISER :VRNSQTR
COLOR: 20 CHARCOAL

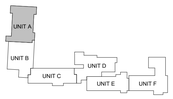
SC1 SEALED CONCRETE
SEE SPECS.

SS1 SOLID SURFACE MATERIAL
MFR: DURAT
COLOR: 790 DARK BLUE

TS1 TRANSITION STRIP
MFR: SCHLUTER
STYLE: ECK-A
COLOR: ANNODIZED
SIZE:



1 / A9.1A WP1 - ATHLETIC PAINT PATTERN TYPICAL
1/4" = 1'-0"



KEYPLAN

gmb
Maze Design, Inc.

DAVID MICHAEL BOLT · REGISTERED · No. AR11500077 · STATE OF INDIANA · ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

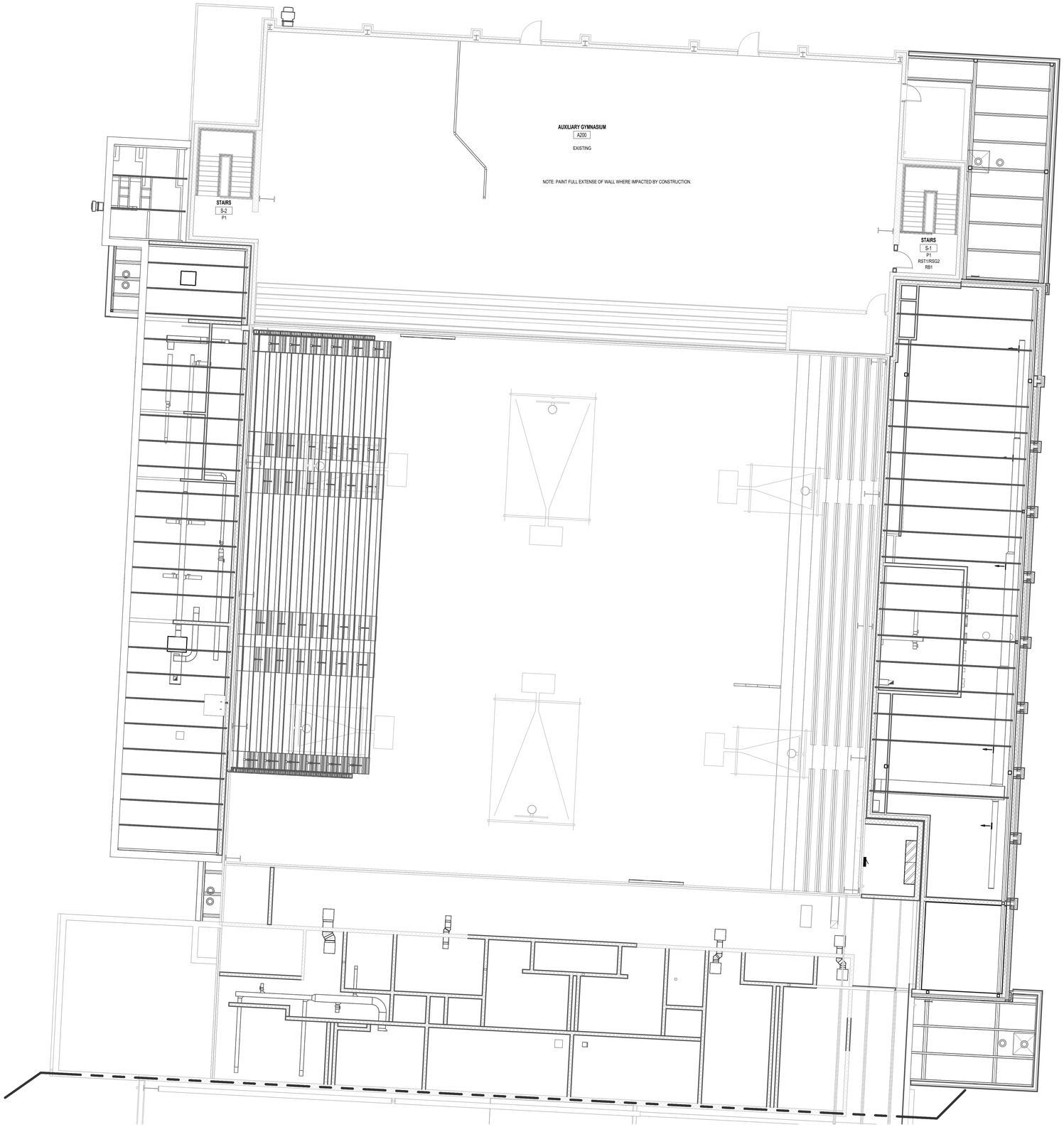
ISSUANCES
01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

DRAWN JMD
REVIEWED AGS

PROJECT NO. 5-6394

UNIT 'A' FIRST FLOOR FINISH PLAN

A9.1A



UNIT 'A' SECOND FLOOR FINISH PLAN

1/8" = 1'-0"

GENERAL FINISH NOTES :

1. ALL CERAMIC TILE OR PORCELAIN TILE FLOORS TO RECEIVE CERAMIC TILE BASE; U.N.O.
2. ALL AREAS OF CARPET, LVT, SEALED CONCRETE, OR OTHER RESILIENT FLOORING TO RECEIVE RUBBER BASE; U.N.O. ON FINISH PLANS.
3. IT IS THE RESPONSIBILITY OF ALL TRADES TO COORDINATE PREPARATION OF SURFACES TO RECEIVE FINISH PRODUCT. CONSULT WITH MANUFACTURERS RECOMMENDED PRACTICES.
4. ALL REDUCERS TO COORDINATE APPROPRIATELY WITH ABUTTING MATERIAL HEIGHT.
5. INSTALL 4" H. RUBBER BASE (RB) AT CASEWORK TOE KICKS, INSIDE OF FLOORLESS CASEWORK, AND VERTICAL SUPPORTS.
6. SEE SPECIFICATIONS FOR RESILIENT ACCESSORY INFORMATION.
7. PAINT ALL EXPOSED MECHANICAL AND ELECTRICAL ITEMS INTENDED TO RECEIVE FIELD PAINT TO MATCH ADJACENT SURFACES; U.N.O.
8. DOOR AND WINDOW FRAMES TO BE PAINTED P2; U.N.O.
9. EXPOSED CEILINGS, DECK, DUCTWORK, STRUCTURE AND OTHER MISC. EXPOSED ITEMS TO BE PAINTED; U.N.O. ON INTERIOR ELEVATIONS, CEILING PLANS OR FINISH PLANS.
10. FACE & UNDERSIDE OF BULKHEADS TO BE PAINTED P1; U.N.O. ON FINISH PLANS OR NOTED ON INTERIOR ELEVATIONS.
11. REFER TO CEILING PLANS & CEILING SPECIFICATIONS FOR SPECIAL CEILING DESIGNATIONS AND ACT TYPES.
12. REFER TO INTERIOR ELEVATION SHEETS FOR MORE DETAILED PAINT AND INTERIOR FINISH INFORMATION.
13. WHERE PORCELAIN/CERAMIC TILE IS APPLIED ON THE WALL BASE, PROVIDE (METAL TRANSITION STRIP AT EXPOSED TILE EDGES); REFER TO SPECIFICATIONS AND/OR ELEVATIONS FOR TYPE, FINISH AND LOCATION INFORMATION.
14. WHERE PORCELAIN/CERAMIC TILE IS APPLIED ON THE WALL SURFACE, PROVIDE METAL TRANSITION STRIP AT EXPOSED TILE EDGES INCLUDING EXTERIOR CORNERS; REFER TO SPECIFICATIONS AND/OR ELEVATIONS FOR TYPE, FINISH AND LOCATION INFORMATION.
15. ALL WALL TILE INSTALLATIONS SHOULD BE FULL HEIGHT; UNLESS NOTED OR SHOWN OTHERWISE ON INTERIOR ELEVATIONS.
16. WHERE WALL TILE IS SPECIFIED TO BE FULL HEIGHT THAT SHALL INCLUDE THE TOP OF ANY WALLS THAT DO NOT EXTEND TO THE CEILING PLANE. U.N.O.
17. ALIGN FLOOR TILE GROUT JOINTS WITH WALL TILE GROUT JOINTS WHERE APPLICABLE.
18. WHERE MATERIALS TRANSITION AT DOOR THRESHOLD, TRANSITION SHOULD OCCUR AT THE CENTER OF THE DOOR IN THE CLOSE POSITION.
19. FOR ALL TILE INSTALLATIONS; REFER TO SPECIFICATIONS FOR TRIM FINISH INFORMATION
20. MECHANICAL & ELECTRICAL ROOM FINISHES: AS A TYPICAL; PAINT WALLS, DO NOT PAINT EXPOSED STRUCTURE; DO NOT PROVIDE WALL BASE. TYPICAL UNLESS NOTED OTHERWISE ON FINISH PLANS.
21. WHERE SEALED CONCRETE (SC), IS SPECIFIED, REFER TO SPECIFICATION SECTION 09 90 00 PAINTING, FOR SYSTEM TYPE.
22. REFER TO SPECIFICATIONS FOR ALL PAINT TYPES.
23. ALL PAINTED WALLS IN TOILET ROOMS, KITCHENS, LOCKER ROOMS, SCIENCE ROOMS, STEM AND MAKERSPACES SHALL RECEIVE EPOXY PAINT.
24. ALL STAIR AND GUARDRAIL RAILINGS, HANDRAILS, STRINGERS, RISERS, ETC ARE TO BE PAINTED P2; U.N.O.
25. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF OWNER FURNISHED EQUIPMENT, INCLUDED DIMENSIONS OF SUCH AS THEY RELATE TO THEIR OWN WORK.
26. REMOVE, SALVAGE AND RE-INSTALL EXISTING ROOM SIGNAGE PRIOR TO PAINTING WALLS IN AREAS OF WORK; TYP.
27. REMOVE AND SALVAGE ALL WALL MOUNTED FURNISHINGS AND ARTWORK PRIOR TO PAINTING. COORDINATE SALVAGE AND RE-INSTALLATION WITH OWNER.
28. DO NOT PAINT OVER EXISTING GLAZED FACE BLOCK OR EXPOSED BRICK. U.N.O.
29. PROTECT ALL FINISHES DURING CONSTRUCTION.

FINISH SYMBOLS :

ROOM NAME
WALL FINISH
FLOOR FINISH
BASE FINISH

CPT1 / VCT1 — FLOORING TRANSITION

W.P. 1 — WORK POINT

FINISH KEYNOTES :

01 MANUAL ROLLER SHADE LOCATION. PROVIDE FULL WIDTH OF WINDOW ASSEMBLY AT EACH LOCATION REFER TO SPECIFICATION

02 MOTORIZED ROLLER SHADES LOCATION. PROVIDE FULL WIDTH OF WINDOW ASSEMBLY AT EACH LOCATION REFER TO SPECIFICATION

06 PAINT LOCKERS P3

07 PAINT WALLS; P1 FROM FINISHED FLOOR TO 6'AFF. P4 STARTING 6'AFF FOR 2 COURCES, THEN P3 AT 7'-4" FOR TWO COURCES. SEE ELEVATIONS.

08 PAINT WALLS; P2 ABOVE TILED WEINSCOT TO 6'-8"AFF. P3 STARTING 6'-8"AFF FOR 2 COURCES, THEN P1 FOR 1 COURSE. SEE ELEVATIONS.

09 PAINT FRAME AND 8" AROUND DOOR TO FINISHED CEILING: P4

10 PAINT LATCH SIDE OF WALL: P4 1'-4"W, P3 8" W

11 WINDOW SILLS TO BE SS1

FINISH LEGEND :

ACT1 ACOUSTICAL CEILING TILE (CLASSROOMS / COORIDORS)
MFR: ARMSTRONG
STYLE: FINE FISSURED 1728
COLOR: WHITE
SIZE: 24 X24

ACT2 ACOUSTICAL CEILING TILE (LOCKER ROOM / KITCHEN)
MFR: ARMSTRONG
STYLE: CERAMAGUARD 605
COLOR: WHITE
SIZE: 24 X 24

CT1 CARPET TILE (USED IN BP2)
MFR: MANNINGTON COMMERCIAL
STYLE: SCRPT
COLOR: BOROUGH 15217
SIZE: 24" X 24"
INSTALLATION: MONOLITHIC ? (VERIFY)

CT2 CARPET TILE
MFR: J+J FLOORING
STYLE: KINETEX Z FACTOR
COLOR: 2882
SIZE: 18" X 36"
INSTALLATION: ASHLAR

CT3 CARPET TILE (WALK OFF TILE)
MFR: MILLIKEN
STYLE: OBEX TILE - CUT CONTOUR
COLOR: GRAY W/ NAVY
SIZE: 19.7" X 19.7"
INSTALLATION: ASHLAR

CT4 CARPET TILE (MEDIA CENTER) (USED IN BP2)
MFR: MANNINGTON
STYLE: RULE 30
COLOR: GENS
SIZE: 18 X 36
INSTALLATION: ASHLAR

CT5 CARPET TILE (MEDIA CENTER) (USED IN BP2)
MFR: MANNINGTON
STYLE: RULE 30
COLOR: PHOENIX
SIZE: 18 X 36
INSTALLATION: ASHLAR

LVT1 LUXURY VINYL TILE (USED IN BP2)
MFR: MOHAWK GROUP
STYLE: TERRAZZO C2180
COLOR: 725 RANDAZZO
SIZE: 12" X 24"

LVT2 LUXURY VINYL TILE (USED IN BP2)
MFR: INTERFACE
STYLE: TEXTURED WOODGRAINS
COLOR: A0A05 GREY DUNE
SIZE: 9.845" X 39.38"

LVT3 LUXURY VINYL TILE (USED IN BP2)
MFR: INTERFACE
STYLE: STUDIO SET
COLOR: ELECTRIC BLUE A00721
SIZE: 9.845" X 39.38"

PTW1 PORCELAIN TILE WALL (USED IN BP2)
MFR: MEDITERRANEA
STYLE: CHICAGO
COLOR: SOUTH SIDE
SIZE: 4 X 8
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

PTW2 CERAMIC TILE WALL
MFR: AMERICAN OLEAN
STYLE: COLOR STORY
COLOR: BALANCE GLOSSY
SIZE: 4 X 12
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

PTW3 CERAMIC TILE WALL (EXTERIOR TILE)
MFR: CERCOM
STYLE: IN CONTRO
COLOR: CREAM
SIZE: 24 X 48
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

PTW4 CERAMIC TILE WALL
MFR: AMERICAN OLEAN
STYLE: COLOR STORY
COLOR: SAPPHIRE SKY GLOSSY
SIZE: 4 X 12
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

PTF5 CERAMIC TILE WALL
MFR: AMERICAN OLEAN
STYLE: UNGLAZED MOSAICS
COLOR: CONFIDENT BLEND
SIZE: 1X1
GROUT: TBD
CONTACT: VIRGINIA TILE, LISA MCLEAN

P1 PAINT (GENERAL)
MFR: SHERWIN WILLIAMS
COLOR: EXTRA WHITE SW7006

P2 PAINT (TRIM)
MFR: SHERWIN WILLIAMS
COLOR: MINDFUL GRAY SW7016

P3 PAINT (ACCENT BLUE)
MFR: SHERWIN WILLIAMS
COLOR: CUSTOM R=37, G=52, B=122

P4 PAINT (ACCENT YELLOW)
MFR: SHERWIN WILLIAMS
COLOR: CUSTOM R=244, G=168, B=29

PL1 PLASTIC LAMINATE
MFR: WILSONART
STYLE: WOOLAMAI BRUSH 4746
FINISH: 60 MATTE FINISH

PL2 PLASTIC LAMINATE (COUNTERTOP)
MFR: WILSONART
STYLE: PRESSED LINEN 4991
FINISH: 38 FINE VELVET

PL3 PLASTIC LAMINATE (MILLWORK) (USED IN BP2)
MFR: WILSONART
STYLE: SESAME VELVET ELM 15603
FINISH: 31 TRACELESS

PL4 PLASTIC LAMINATE (MILLWORK) (USED IN BP2)
MFR: WILSONART
STYLE: LAPIS BLUE D417
FINISH: 60 MATTE

PL5 PLASTIC LAMINATE (MILLWORK) (USED IN BP2)
MFR: WILSONART
STYLE: PEARL SOAPSTONE
FINISH: 38 FINE VELVET

RB1 RUBBER BASE
MFR: TARKETT
STYLE: JOHNSONITE BASEWORKS
COLOR: MEDIUM GREY 28
SIZE: 4" H

RES1 RESINOUS FLOORING SYSTEM
MFR: SHERWIN WILLIAMS
STYLE: RESIFLOR DECO FLAKE 114*
COLOR: REBEL BLUE

RSG1 RUBBER SHEET GOODS
MFR: NORA (DARK GRAY)
STYLE: NORAMENT GRANO
COLOR: BLACK PEPPER 5304
SIZE: ROLL

RSG2 RUBBER SHEET GOODS (BLUE)
MFR: NORA
STYLE: NORAMANENT GRANO
COLOR: SASSAFRAS 5320
SIZE: ROLL

RSG3 RUBBER SHEET GOODS
MFR: NORA (LT GRAY)
STYLE: NORAMENT GRANO
COLOR: FRANKINCENSE 5303
SIZE: ROLL

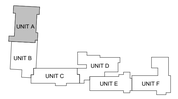
RST1 RUBBER STAIR TREAD SYSTEM
MFR: TARKETT
STYLE: ANGLE FIT TREAD & RISER
TEXTURE: RAISED SQUARE TREADRISER :VIRNSQTR
COLOR: 20 CHARCOAL

SC1 SEALED CONCRETE
SEE SPECS.

SC2 STAINED CONCRETE:
SEE SPECS
COLOR: TRANSLUCENT DARK GRAY

SS1 SOLID SURFACE MATERIAL
MFR: DURAT
COLOR: 790 DARK BLUE

TS1 TRANSITION STRIP
MFR: SCHLUTER
STYLE: ECK-K
COLOR: ANNODIZED
SIZE:



KEYPLAN

gmb
Maze Design, Inc.

DAVID MICHAEL BOLT · REGISTERED · No. AR11500077 · STATE OF INDIANA · ARCHITECT

3.18.2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

DRAWN JMD
REVIEWED AGS

PROJECT NO. 5-6394

UNIT 'A' SECOND FLOOR FINISH PLAN

A9.2A

PLUMBING FIXTURE SCHEDULE

WATER CLOSET DESCRIPTION (WC-1): AMERICAN STANDARD AFWALL MILLENNIUM FLOWISE ELONGATED FLUSHOMETER TOILET MODEL 2257.101, WALL HUNG, SIPHON JET, VITREOUS CHINA CLOSET BOWL, ELONGATED RIM, 1-1/2-INCH TOP SPUD, CHINA BOLT CAPS, 1.6 GPF. COLOR: WHITE.
FLUSH VALVE (FLUSHOMETER) DESCRIPTION: SLOAN REGAL 111 SFSM-1.6-XL-TMO,1.6 GPF, XL SWEAT SOLDER ADAPTER KIT, POLISHED CHROME FINISH, 1.5" FLUSH CONNECTION, FIXTURE CONNECTION TOP SPUD, SINGLE FLUSH, 1" INLET,1" CONTROL STOP, TRUE MECHANICAL OVERRIDE, BATTERY, INFRARED, EXPOSED SENSOR WATER CLOSET FLUSHOMETER.
SEAT DESCRIPTION: BEMIS MODEL 1955SSCT, COMMERCIAL HEAVY-DUTY PLASTIC TOILET SEAT, OPEN FRONT, MOLDED IN BUMPERS, SELF-SUSTAINING HINGE, STAINLESS STEEL BOLTS, WITHOUT COVER. COLOR: WHITE.
WATER CLOSET CARRIER DESCRIPTION: JAY R. SMITH SERIES 200, COMBINATION CARRIER DESIGNED FOR STANDARD OR ACCESSIBLE MOUNTING HEIGHT OF WALL HUNG WATER CLOSET FIXTURE. SINGLE OR DOUBLE, VERTICAL OR HORIZONTAL, HUBLESS OR HUB AND SPIGOT WASTE FITTING AS REQUIRED FOR PIPING ARRANGEMENT, FACEPLATES, COUPLINGS WITH GASKETS, FEET, FIXTURE BOLTS AND HARDWARE MATCHING FIXTURE.

WATER CLOSET DESCRIPTION (WC-1A): AMERICAN STANDARD AFWALL MILLENNIUM FLOWISE ELONGATED FLUSHOMETER TOILET MODEL 2257.101, ACCESSIBLE, WALL HUNG, SIPHON JET, VITREOUS CHINA CLOSET BOWL, ELONGATED RIM, 1-1/2 INCH TOP SPUD, CHINA BOLT CAPS, 1.6 GPF. COLOR: WHITE. INSTALL PER BARRIER FREE AND ADA REQUIREMENTS.
FLUSH VALVE (FLUSHOMETER) DESCRIPTION: SLOAN REGAL 111 SFSM-1.6-XL-TMO,1.6 GPF, XL SWEAT SOLDER ADAPTER KIT, POLISHED CHROME FINISH, 1.5" FLUSH CONNECTION, FIXTURE CONNECTION TOP SPUD, SINGLE FLUSH, 1" INLET,1" CONTROL STOP, TRUE MECHANICAL OVERRIDE, BATTERY, INFRARED, EXPOSED SENSOR WATER CLOSET FLUSHOMETER.
SEAT DESCRIPTION: BEMIS MODEL 1955SSCT, COMMERCIAL HEAVY-DUTY PLASTIC TOILET SEAT, OPEN FRONT, MOLDED IN BUMPERS, SELF-SUSTAINING HINGE, STAINLESS STEEL BOLTS, WITHOUT COVER. COLOR: WHITE.
WATER CLOSET CARRIER DESCRIPTION: JAY R. SMITH SERIES 200, COMBINATION CARRIER DESIGNED FOR STANDARD OR ACCESSIBLE MOUNTING HEIGHT OF WALL HUNG WATER CLOSET FIXTURE. SINGLE OR DOUBLE, VERTICAL OR HORIZONTAL, HUBLESS OR HUB AND SPIGOT WASTE FITTING AS REQUIRED FOR PIPING ARRANGEMENT, FACEPLATES, COUPLINGS WITH GASKETS, FEET, FIXTURE BOLTS AND HARDWARE MATCHING FIXTURE.

URINAL DESCRIPTION (UR-1): AMERICAN STANDARD WASHBROOK FLOWISE 0.5 HIGH EFFICIENCY URINAL MODEL 6590.001, WALL HUNG URINAL, WASHOUT, VITREOUS CHINA, 3/4-INCH TOP SPUD, 0.5 GPF, 2-INCH OUTLET (NPTF). COLOR: WHITE.
FLUSH VALVE (FLUSHOMETER) DESCRIPTION: SLOAN REGAL 186 SFSM-0.5-XL-TMO, 0.5 GPF, XL SWEAT SOLDER ADAPTER KIT, POLISHED CHROME FINISH, 0.75" FLUSH CONNECTION, FIXTURE CONNECTION TOP SPUD, SINGLE FLUSH, 0.75"
INLET, 3/4" CONTROL STOP, TRUE MECHANICAL OVERRIDE, BATTERY, INFRARED, EXPOSED SENSOR URINAL FLUSHOMETER.
URINAL CARRIER DESCRIPTION: JAY R. SMITH SERIES 600, CARRIER WITH HANGER AND BEARING PLATES FOR WALL HUNG URINAL FIXTURE, STEEL UPRIGHTS WITH FEET.

URINAL DESCRIPTION (UR-1A): AMERICAN STANDARD WASHBROOK FLOWISE 0.5 HIGH EFFICIENCY URINAL MODEL 6590.001, WALL HUNG URINAL, WASHOUT, VITREOUS CHINA, 3/4-INCH TOP SPUD, 0.5 GPF, 2-INCH OUTLET (NPTF). COLOR: WHITE.
FLUSH VALVE (FLUSHOMETER) DESCRIPTION: SLOAN REGAL 186 SFSM-0.5-XL-TMO, 0.5 GPF, XL SWEAT SOLDER ADAPTER KIT, POLISHED CHROME FINISH, 0.75" FLUSH CONNECTION, FIXTURE CONNECTION TOP SPUD, SINGLE FLUSH, 0.75"
INLET, 3/4" CONTROL STOP, TRUE MECHANICAL OVERRIDE, BATTERY, INFRARED, EXPOSED SENSOR URINAL FLUSHOMETER.
URINAL CARRIER DESCRIPTION: JAY R. SMITH SERIES 600, CARRIER WITH HANGER AND BEARING PLATES FOR WALL HUNG URINAL FIXTURE, STEEL UPRIGHTS WITH FEET.

LAVATORY DESCRIPTION (LAV-1): AMERICAN STANDARD LUCERNE LAVATORY MODEL 0355.012, WALL HUNG LAVATORY, VITREOUS CHINA, FRONT OVERFLOW, FAUCET LEDGE WITH FAUCET HOLES ON 4 INCH CENTERS, SELF-DRAINING DECK AREA, DRAIN LOCATED NEAR BACK OF BOWL, 21-1/2 INCHES BY 18-1/4 INCHES OVERALL DIMENSIONS. COLOR: WHITE.
FAUCET DESCRIPTION: CHICAGO FAUCETS 802-665ABCP DECK MOUNTED LAVATORY FAUCET WITH VANDAL RESISTANT INDEXED METAL METERING CARTRIDGE, ALL METAL BODY, INTEGRAL HOT LIMIT SAFETY STOP, CAST BRASS WATERWAY, 0.5 GPM VANDAL RESISTANT SPRAY OUTLET. FINISH: POLISHED CHROME.
LAVATORY CARRIER DESCRIPTION JAY R. SMITH SERIES 700, CARRIER WITH CONCEALED ARMS AND TIE ROD FOR WALL MOUNTING, STEEL UPRIGHTS WITH FEET.
CHROME PLATED 17 GAGE BRASS 1-1/4-INCH P-TRAP WITH CLEANOUT, CAST BRASS NUTS, AND ARM WITH ESCUTCHEON.
RIGID SUPPLIES: NPS 1/2 INCH SOLDERED OR THREADED COPPER CONNECTION TO SUPPLY, NPS 3/8 INCH CHROME PLATED BRASS ANGLED STOPS WITH QUARTER TURN ON/OFF OPERATION, BLOW OUT PROOF STEM AND CHROME PLATED METAL DIE CAST HANDLE (NO PLASTIC), CHROME PLATED RIGID COPPER RISERS UPSTREAM OF MIXING VALVE, CHROME PLATED RIGID COPPER RISERS OR STAINLESS STEEL FLEXIBLE SUPPLIES DOWNSTREAM OF MIXING VALVE.

LAVATORY DESCRIPTION (LAV-1A): AMERICAN STANDARD LUCERNE LAVATORY MODEL 0355.012, WALL HUNG LAVATORY, VITREOUS CHINA, FRONT OVERFLOW, FAUCET LEDGE WITH FAUCET HOLES ON 4 INCH CENTERS, SELF-DRAINING DECK AREA, DRAIN LOCATED NEAR BACK OF BOWL, 21-1/2 INCHES BY 18-1/4 INCHES OVERALL DIMENSIONS. COLOR: WHITE. INSTALL PER BARRIER FREE AND ADA REQUIREMENTS.
FAUCET DESCRIPTION: CHICAGO FAUCETS 802-665ABCP DECK MOUNTED LAVATORY FAUCET WITH VANDAL RESISTANT INDEXED METAL METERING CARTRIDGE, ALL METAL BODY, INTEGRAL HOT LIMIT SAFETY STOP, CAST BRASS WATERWAY, 0.5 GPM VANDAL RESISTANT SPRAY OUTLET. FINISH: POLISHED CHROME.
LAVATORY CARRIER DESCRIPTION JAY R. SMITH SERIES 700, CARRIER WITH CONCEALED ARMS AND TIE ROD FOR WALL MOUNTING, STEEL UPRIGHTS WITH FEET.
CHROME PLATED 17 GAGE BRASS 1-1/4-INCH P-TRAP WITH CLEANOUT, CAST BRASS NUTS, AND ARM WITH ESCUTCHEON.
RIGID SUPPLIES: NPS 1/2 INCH SOLDERED OR THREADED COPPER CONNECTION TO SUPPLY, NPS 3/8 INCH CHROME PLATED BRASS ANGLED STOPS WITH QUARTER TURN ON/OFF OPERATION, BLOW OUT PROOF STEM AND CHROME PLATED METAL DIE CAST HANDLE (NO PLASTIC), CHROME PLATED RIGID COPPER RISERS UPSTREAM OF MIXING VALVE, CHROME PLATED RIGID COPPER RISERS OR STAINLESS STEEL FLEXIBLE SUPPLIES DOWNSTREAM OF MIXING VALVE.

SINK DESCRIPTION (S-1): ELKAY DEPENDABILT SERIES MODEL 2C18X18-0X DOUBLE COMPARTMENT SCULLERY SINK, 14 GAUGE TYPE 304 STAINLESS STEEL, OVERALL DIMENSIONS OF 43 INCHES BY 23-13/16 INCHES BY 12 " DEEP, WELDED ¼ INCH RADIUS COVED CORNER COMPARTMENTS WITH DIMENSIONS OF 27 INCHES BY 24 INCHES BY 14 INCHES DEEP AND DRAIN CENTERED IN COMPARTMENT, SINK COMPARTMENT SLOPED TO DRAINS, FULL LENGTH 10-3/4 INCH HIGH BACKSPLASH WITH 45 DEGREE SLOPED TOP, 1-1/2 INCH WIDE INWARD SLOPING TOP CHANNEL RIMS, EXPOSED SURFACES POLISHED TO A SATIN FINISH, NSF CERTIFIED.
FAUCETS DESCRIPTION: T&S BRASS B-0231, WALL MOUNTED DUAL HANDLE SINK FAUCET, LEVER HANDLES, 2.2 GPM FINISH: POLISHED CHROME.
ACCESSORIES: ELKAY LK251 ADJUSTABLE LENGTH STAINLESS STEEL LEGS. CHROME PLATED 17 GAGE BRASS 1-1/2 INCH P-TRAP WITH CLEANOUT AND ARM WITH ESCUTCHEON. RIGID SUPPLIES: NPS 1/2 INCH SOLDERED OR THREADED COPPER CONNECTION TO SUPPLY, NPS 3/8 INCH CHROME PLATED BRASS ANGLED STOPS WITH QUARTER TURN ON/OFF OPERATION, BLOW OUT PROOF STEM AND CHROME PLATED METAL DIE CAST HANDLE (NO PLASTIC), CHROME PLATED RIGID COPPER RISERS UPSTREAM OF MIXING VALVE, CHROME PLATED RIGID COPPER RISERS OR STAINLESS STEEL FLEXIBLE SUPPLIES DOWNSTREAM OF MIXING VALVE. DRAIN: ELKAY LK-99 OR EQUAL DRAIN FITTING AND TAIL PIECE, TYPE 304 STAINLESS STEEL BODY, REMOVABLE CONICAL BASKET STRAINER WITH METAL BALL BEARING LOCKING STEM AND RUBBER STOPPER. FINISH: ULTRA BRIGHT POLISHED.

SHOWER DESCRIPTION (SH-1A): BRADLEY RECESS-MOUNTED ADA COMPLIANT WALL SHOWER MODEL NO. HN200-HD-6 '-0"-S15-HS-VL OR VR, VALVE LEFT OR VALVE RIGHT - REFER TO SHOWER STALL CONFIGURATION FOR VALVE LOCATION. ACCESSIBLE RECESSED-MOUNTING STAINLESS STEEL INDIVIDUAL BARRIER FREE WALL SHOWER UNIT, PREASSEMBLED, LESS GRAB BAR, LESS SEAT, AND LESS CURTAIN. FIXED SHOWER HEAD 6-FEET 0-INCHES ABOVE FINISH FLOOR (BRADLEY SEVERE SERVICE SHOWERHEAD, 1.5 GPM FLOW CONTROL), LEVER HANDLE DIVERTER VALVE, 1.5 GPM HAND HELD SHOWER WITH 60-INCH STAINLESS STEEL FLEXIBLE HOSE AND POST STYLE MOUNTING BRACKET TO SHOWER PANEL, ELEVATED IN-LINE BACKFLOW PREVENTER WITH QUICK-DISCONNECT FOR FLEXIBLE HOSE, LESS BARRIER FREE SEAT, LESS CURTAIN, ROD, AND HOOKS, LESS GRAB BAR.

MOP BASIN DESCRIPTION (MSB-1): CRANE/FIAT MSB 3624, FLUSH TO WALL, ONE-PIECE CAST POLYMER MOP SERVICE BASIN WITH STAINLESS STEEL DOME STRAINER, 36 INCHES BY 24 INCHES BY 10-INCH-HIGH OUTSIDE DIMENSIONS. COLOR: WHITE.FAUCET DESCRIPTION: CHICAGO FAUCETS FITTING 897-RCF, WALL MOUNTED SERVICE SINK FAUCET WITH INTEGRAL STOPS, LEVER HANDLES VACUUM BREAKER SPOUT, HOSE THREAD OUTLET, WALL BRACE, AND PAIL HOOK. FINISH: ROUGH CHROME.
ACCESSORIES:
A. CRANE/FIAT 832-AA HOSE AND HOSE BRACKET.
B. CRANE/FIAT 889-CC MOP HANGER.
C. CRANE/FIAT E77-AA VINYL BUMPER GUARDS (2 REQUIRED).
D. CRANE/FIAT MSG-3624 STAINLESS STEEL WALL GUARDS; CRANE/FIAT 833-AA SILICONE SEALANT (INSTALL ON ALL EXPOSED EDGES).

ELECTRIC WATER COOLER DESCRIPTION (EWC-1A): ELKAY EZH20 SYSTEM MODEL LZSTL8WSLP, ACCESSIBLE, BI-LEVEL WALL MOUNTED WATER COOLER WITH BOTTLE FILLING STATION, 8.0 GALLONS PER HOUR OF 50 DEGREE F WATER WITH 80 DEGREE F INLET WATER TEMPERATURE AND 90 DEGREE F AMBIENT ROOM TEMPERATURE, ELKAY "FLEXI-GUARD" BUBBLER, CONTROLS LOCATED ON FRONT, RIGHT, AND LEFT HAND SIDES, STAINLESS STEEL BASIN POLISHED TO BRIGHT FINISH WITH INTEGRAL GRID DRAIN AND NO EXPOSED FASTENERS, CONTOURED UPPER SHROUD WITH NO EXPOSED FASTENERS, AND ONE PIECE REMOVABLE LOWER SHROUD. BOTTLE FILLING STATION WITH ELECTRONIC SENSOR AND AUTOMATIC 20 SECOND SHUT OFF TIMER, LED LIGHT ILLUMINATING DISPENSING AREA, 1.1 GPM LAMINAR FLOW, WATERSENTRY PLUS FILTER CERTIFIED TO NSF/ANSI 42 AND 53 FOR LEAD REDUCTION, VISUAL MONITOR TO INDICATE WHEN FILTER REPLACEMENT IS NECESSARY, UNIT SHALL AUTOMATICALLY DETECT NEW FILTER AND RESET VISUAL FILTER MONITOR. COLOR: TWO TONE GRAY UPPER SHROUD AND TEXTURED GRAY LOWER SHROUD, 370 WATTS, 120 VAC, 60 HZ, SINGLE PHASE. INSTALL PER BARRIER FREE AND ADA REQUIREMENTS.
ACCESSORIES:
A. SUPPORT: ELKAY MODEL MLP200 IN WALL CARRIER SYSTEM WITH HANGER BRACKET AND (3) VERTICAL STEEL UPRIGHTS WITH FEET.
B. DRAIN AND WASTE FITTING: GRID DRAIN WITH TAILPIECE; CHROME PLATED 17 GAGE BRASS 1-1/4-INCH P-TRAP WITH CLEANOUT AND ARM WITH ESCUTCHEON.
C. SUPPLY: NPS ½ INCH SOLDERED OR THREADED COPPER CONNECTION TO SUPPLY, NPS 3/8 INCH CHROME PLATED BRASS ANGLED STOP WITH QUARTER TURN ON/OFF OPERATION, BLOW OUT PROOF STEM AND CHROME PLATED METAL DIE CAST HANDLE (NO PLASTIC), CHROME PLATED RIGID COPPER RISER OR STAINLESS STEEL FLEXIBLE SUPPLY.
D. FILTER: ELKAY 51300C (3) FILTER REPLACEMENT PACK.

ELECTRIC WATER COOLER DESCRIPTION (EWC-2A): ELKAY EZH20 SYSTEM MODEL LZS8WSLP, ACCESSIBLE, SINGLE WALL MOUNTED WATER COOLER WITH BOTTLE FILLING STATION, 8.0 GALLONS PER HOUR OF 50 DEGREE F WATER WITH 80 DEGREE F INLET WATER TEMPERATURE AND 90 DEGREE F AMBIENT ROOM TEMPERATURE, ELKAY "FLEXI-GUARD" BUBBLER, CONTROLS LOCATED ON FRONT, RIGHT, AND LEFT HAND SIDES, STAINLESS STEEL BASIN POLISHED TO BRIGHT FINISH WITH INTEGRAL GRID DRAIN AND NO EXPOSED FASTENERS, CONTOURED UPPER SHROUD WITH NO EXPOSED FASTENERS, AND ONE PIECE REMOVABLE LOWER SHROUD. BOTTLE FILLING STATION WITH ELECTRONIC SENSOR AND AUTOMATIC 20 SECOND SHUT OFF TIMER, LED LIGHT ILLUMINATING DISPENSING AREA, 1.1 GPM LAMINAR FLOW, WATERSENTRY PLUS FILTER CERTIFIED TO NSF/ANSI 42 AND 53 FOR LEAD REDUCTION, VISUAL MONITOR TO INDICATE WHEN FILTER REPLACEMENT IS NECESSARY, UNIT SHALL AUTOMATICALLY DETECT NEW FILTER AND RESET VISUAL FILTER MONITOR. COLOR: TWO TONE GRAY UPPER SHROUD AND TEXTURED GRAY LOWER SHROUD, 370 WATTS, 120 VAC, 60 HZ, SINGLE PHASE. INSTALL PER BARRIER FREE AND ADA REQUIREMENTS.
ACCESSORIES:
A. SUPPORT: ELKAY MODEL MLP100 IN WALL CARRIER SYSTEM WITH HANGER BRACKET AND (2) VERTICAL STEEL UPRIGHTS WITH FEET.
B. DRAIN AND WASTE FITTING: GRID DRAIN WITH TAILPIECE; CHROME PLATED 17 GAGE BRASS 1-1/4-INCH P-TRAP WITH CLEANOUT AND ARM WITH ESCUTCHEON.
C. SUPPLY: NPS ½ INCH SOLDERED OR THREADED COPPER CONNECTION TO SUPPLY, NPS 3/8 INCH CHROME PLATED BRASS ANGLED STOP WITH QUARTER TURN ON/OFF OPERATION, BLOW OUT PROOF STEM AND CHROME PLATED METAL DIE CAST HANDLE (NO PLASTIC), CHROME PLATED RIGID COPPER RISER OR STAINLESS STEEL FLEXIBLE SUPPLY.
D. FILTER: ELKAY 51300C (3) FILTER REPLACEMENT PACK.

PLUMBING LINE SERVICE DESIGNATIONS

- -AV- - - -	ACID VENT PIPING
—AW—	ACID WASTE PIPING ABOVE GROUND
—AW— — —	ACID WASTE PIPING UNDERGROUND
—CA—	COMPRESSED AIR PIPING
—COND—	CONDENSATE PIPING
—CW— - — - —	DOMESTIC COLD WATER PIPING
—G—	NATURAL GAS PIPING
—GSAN— — —	GREASE LADEN SANITARY DRAIN PIPING
—HW— - - — - - —	DOMESTIC HOT WATER PIPING
—HWR- - — - - - —	DOMESTIC HOT WATER RETURN PIPING
—OSAN—	OIL LADEN SANITARY DRAIN PIPING
—SAN—	SANITARY DRAIN PIPING ABOVE GROUND
—SAN— — —	SANITARY DRAIN PIPING UNDERGROUND
—SAN (FM)—	SANITARY FORCED MAIN DRAIN PIPING
—SCW— - — - —	SOFTENED DOMESTIC COLD WATER PIPING
—ST—	STORM DRAIN PIPING ABOVE GROUND
—ST— — —	STORM DRAIN PIPING UNDERGROUND
—ST(O)—	OVERFLOW STORM DRAIN PIPING
- -V- - - -	SANITARY VENT PIPING
▬ ▬ ▬ ▬	MATCHLINE
—▸—	DIRECTION OF FLOW

NOTE:
NOT ALL PIPE SERVICES MAY BE PRESENT IN CONSTRUCTION DOCUMENTS.

PLUMBING ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDING UNIT
AV	ACID VENT
AVTR	ACID VENT THROUGH ROOF
AW	ACID WASTE
BFP	BACKFLOW PREVENTER
BT	BATHTUB
CA	COMPRESSED AIR
CBV	CALIBRATED BALANCING VALVE
CLG	CEILING
CO	CLEANOUT
COND	CONDENSATE
CONN	CONNECTION
CONT	CONTINUATION
CONTR	CONTRACTOR
COORD	COORDINATE
CW	DOMESTIC COLD WATER
CWFU	COLD WATER FIXTURE UNITS
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNITS
DN	DOWN
DPB	DOMESTIC WATER PRESSURE BOOSTER
DSN	DOWNSPOUT NOZZLE
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EX / EXIST	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLR	FLOOR
FSET	FOOD SERVICE EQUIPMENT TRADES
G	NATURAL GAS
GI	GREASE INTERCEPTOR
GSAN	GREASE LADEN SANITARY
H&C	DOMESTIC HOT AND DOMESTIC COLD WATER
HB	HOSE BIBB
HSS	HOLLOW STRUCTURAL SECTION
HW	DOMESTIC HOT WATER
HWFU	HOT WATER FIXTURE UNITS
HWR	DOMESTIC HOT WATER RETURN
IE	INVERT ELEVATION
IOB	ICE MAKER OUTLET BOX
LOC	LOCATION
LT	LAUNDRY TUB
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MFR	MANUFACTURER
MSB	MOP SERVICE BASIN
MIN	MINIMUM
MV	MIXING VALVE
OA	OUTSIDE AIR
OC	ON CENTER
OD	OVERFLOW ROOF DRAIN
OI	OIL INTERCEPTOR
OSAN	OIL LADEN SANITARY
PSI	POUNDS PER SQUARE INCH
RD	ROOF DRAIN
RFCBV	RESTRICTED FLOW CALIBRATED BALANCING VALVE
RH	ROOF HYDRANT
RPZBFP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
SAN	SANITARY
SAN(FM)	SANITARY FORCED MAIN
SCW	SOFTENED DOMESTIC COLD WATER
SH	SHOWER
ST	STORM
ST(O)	STORM OVERFLOW
TD	TRENCH DRAIN
TYP	TYPICAL
U/G	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
U	URINAL
USGS	UNITED STATES GEOLOGICAL SURVEY
V	SANITARY VENT
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET OR WATER COLUMN
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WMB	WASHING MACHINE OUTLET BOX
WSFU	WATER SUPPLY FIXTURE UNITS

NOTE:
NOT ALL ABBREVIATIONS MAY BE PRESENT IN CONSTRUCTION DOCUMENTS.

PLUMBING SYMBOLS LEGEND

	GATE VALVE
	BALL VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	CALIBRATED BALANCING VALVE
	RELIEF / SAFETY VALVE
	BACKFLOW PREVENTER WITH DRIP PAN
	HOSE BIBB / WALL HYDRANT
	PLUG VALVE
	ANGLE VALVE
S	SOLENOID VALVE
	PIPE RISER UP
	PIPE RISER DOWN
	UNION
	CAP
	"Y" STRAINER W/BLOWDOWN
	FLEXIBLE CONNECTOR
	CONNECT TO EXISTING
	CONCENTRIC REDUCER
	THERMOMETER
FS	FLOW SWITCH
PS	PRESSURE SWITCH
PT	PRESSURE TAP
TW	THERMOWELL
PI	PRESSURE GAUGE & SHUT OFF
F	COMPRESSED AIR COMB. FILTER, REG. & OILER
	PRESSURE REDUCING VALVE, SELF-CONTAINED
	EXT. PRESSURE REDUCING VALVE

NOTE:
NOT ALL SYMBOLS MAY BE PRESENT IN CONSTRUCTION DOCUMENTS.

GENERAL PLUMBING PIPING INSTALLATION NOTES:

1. COORDINATE ROUTING OF PLUMBING PIPING WITH ALL TRADES. ALL SANITARY PIPING TO BE INSTALLED AND VENTED PER PLANS AND ALL APPLICABLE STATE AND LOCAL CODES.
2. REFER TO PROJECT SPECIFICATIONS MANUAL FOR ADDITIONAL REQUIREMENTS.
3. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE THE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INDICATED LOCATIONS AND ARRANGEMENTS WERE USED TO SIZE PIPE AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED ON COORDINATION DRAWINGS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PIPE SLEEVES THROUGH FOUNDATION WALLS WITH OTHER TRADES.
5. INSTALL CLEANOUTS AT THE BASE OF ALL DRAIN PIPE STACKS WITH THE CENTER OF THE PLUG LOCATED AT A MINIMUM OF 12 INCHES ABOVE THE FINISH FLOOR, UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER BUILDING ELEMENTS TO ENSURE ACCESS.
6. INSTALL PIPING IN CONCEALED LOCATIONS UNLESS INDICATED OTHERWISE OR WHERE LOCATED IN EQUIPMENT ROOMS AND SERVICE AREAS. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE.
7. ROUTE PIPING IN WALLS TO FIXTURE AND EQUIPMENT AT PROPER ELEVATION.
8. INSTALL PIPING ABOVE ACCESSIBLE CEILINGS TO ALLOW SUFFICIENT SPACE FOR CEILING TILE REMOVAL.
9. INSTALL PIPING TO PERMIT VALVE SERVICING, FREE OF SAGS AND BENDS, AT INDICATED SLOPES, INSTALL FITTINGS FOR CHANGES OF DIRECTION AND BRANCH CONNECTIONS, AND TO ALLOW THE APPLICATION OF INSULATION.
10. UNLESS NOTED OTHERWISE ON THE PLUMBING PLANS, INSTALL DRAIN PIPING 2" AND SMALLER SLOPED AT 1/4" PER FOOT (MINIMUM), AND DRAIN PIPING 3" AND LARGER SLOPED AT 1/8" PER FOOT (MINIMUM).
11. INSTALL SANITARY VENT PIPING SLOPED (GRADED) BACK TO THE DRAINAGE SYSTEM.
12. INSTALL OVERSIZED PIPE HANGERS ON ALL PIPING SYSTEMS WITH A CONTINUOUS VAPOR BARRIER. REFER TO SPECIFICATION SECTION 22 07 19.
13. PIPE HANGERS SHALL NOT BE ATTACHED TO THE ROOF DECK UNLESS INDICATED OTHERWISE.

GENERAL PLUMBING FOOD SERVICE INSTALLATION NOTES:

1. REFER TO PROJECT SPECIFICATIONS MANUAL FOR ADDITIONAL REQUIREMENTS.
2. COORDINATE PLUMBING ROUGH IN REQUIREMENTS WITH FOOD SERVICE EQUIPMENT TRADES DRAWINGS AND SPECIFICATIONS.
3. COORDINATE LOCATIONS OF FILTRATION EQUIPMENT INSTALLED UPSTREAM OF FOOD SERVICE EQUIPMENT.
4. CONTRACTOR SHALL FURNISH AND INSTALL PRESSURE REDUCING VALVES AND BACKFLOW PREVENTERS WHERE REQUIRED AND NOT FURNISHED BY THE FOOD SERVICE EQUIPMENT TRADES.
5. CONTRACTOR SHALL FURNISH AND INSTALL INDIVIDUAL MIXING VALVES (ASSE 1070) ON WATER SUPPLIES TO ALL SINKS IN FOOD SERVICE AREAS EXCEPT FOR 3 COMPARTMENT SINKS AND MOP SERVICE BASINS. FURNISH AND INSTALL SIGNAGE ABOVE THE 3 COMPARTMENT SINKS AND MOP SERVICE BASINS THAT READS AS FOLLOWS: "CAUTION - HOT WATER RISK OF SCALDING".

FIXTURE UNIT VALUES

	DRAINAGE (NOTE 1)	SUPPLY (NOTE 2)		
FIXTURE	DFU	HWFU	CWFU	TOTAL
WATER CLOSET (FLUSH VALVE)	4	---	10	10
WATER CLOSET (FLUSH TANK)	4		2	2
URINAL (FLUSH VALVE)	2	---	5	5
LAVATORY	1	1.5	1.5	2
SINK	2	1	1	1.4
SHOWER	2	3	3	4
MOP SERVICE BASIN	2	2.25	2.25	3
WASHING MACHINE OUTLET BOX (WITH STANDPIPE)	2	2.25	2.25	3
WALL HYDRANT / HOSE BIBB	---	---	3	3
ELECTRIC WATER COOLER / DRINKING FOUNTAIN	0.5	---	0.25	0.25
FLOOR DRAIN / FLOOR SINK (2" TRAP)	3	---	---	---
FLOOR DRAIN / FLOOR SINK (3" TRAP)	5	---	---	---
FLOOR DRAIN / FLOOR SINK (4" TRAP)	6	---	---	---
FLOOR DRAIN / FLOOR SINK (EMERGENCY)	---	---	---	---

NOTES:
1. DRAINAGE FIXTURE UNIT VALUES (DFU) TAKEN FROM THE INDIANA PLUMBING CODE
2. SUPPLY FIXTURE UNIT VALUES TAKEN FROM THE INDIANA PLUMBING CODE.
3. NOT ALL PLUMBING FIXTURES MAY BE PRESENT IN CONSTRUCTION DOCUMENTS.

GENERAL PLUMBING EQUIPMENT INSTALLATION NOTES:

1. REFER TO PROJECT SPECIFICATIONS MANUAL FOR ADDITIONAL REQUIREMENTS.
2. INSTALL PLUMBING EQUIPMENT, TRIM, FITTINGS, AND OTHER COMPONENTS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. INSTALL PLUMBING EQUIPMENT ON CONCRETE BASE WHERE INDICATED.

GENERAL PLUMBING FIXTURE INSTALLATION NOTES:

1. REFER TO PROJECT SPECIFICATIONS MANUAL FOR ADDITIONAL REQUIREMENTS.
2. ASSEMBLE PLUMBING FIXTURES, TRIM, FITTINGS, AND OTHER COMPONENTS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. INSTALL OFF THE FLOOR SUPPORTS AFFIXED TO BUILDING SUBSTRATE FOR WALL MOUNTING FIXTURES. INSTALL BACK OUTLET WALL MOUNTED FIXTURES ONTO WASTE FITTINGS WITH SEALS AND ATTACH TO SUPPORTS. INSTALL WALL MOUNTED FIXTURES WITH TUBULAR WASTE PIPING ATTACHED TO SUPPORTS.
4. INSTALL COUNTER MOUNTED FIXTURES IN AND ATTACHED TO CASEWORK.
5. INSTALL FIXTURES LEVEL AND PLUMB ACCORDING TO ROUGH IN DRAWINGS.
6. INSTALL WATER SUPPLY WITH STOP ON EACH SUPPLY TO EACH FIXTURE TO BE CONNECTED TO WATER DISTRIBUTION PIPING. ATTACH SUPPLIES TO SUPPORTS OR SUBSTRATE WITHIN PIPE SPACES BEHIND FIXTURES. INSTALL STOPS WHERE THEY CAN BE REACHED FOR OPERATION.
7. INSTALL TRAP AND TUBULAR WASTE PIPING ON DRAIN OUTLET OF EACH FIXTURE TO BE DIRECTLY OR INDIRECTLY CONNECTED TO DRAINAGE SYSTEM.
8. INSTALL FLUSHOMETER VALVES FOR ACCESSIBLE WATER CLOSETS AND URINALS WITH THE HANDLE MOUNTED ON THE WIDE SIDE OF THE COMPARTMENT.
9. INSTALL TANKS FOR ACCESSIBLE, TANK TYPE WATER CLOSETS WITH LEVER HANDLE MOUNTED ON THE WIDE SIDE OF THE COMPARTMENT.
10. SET BATHTUBS, SHOWERS, AND MOP SERVICE BASINS IN A LEVELING BED OF CEMENT GROUT.
11. SEAL JOINTS BETWEEN FIXTURES, WALLS, FLOORS, AND COUNTERTOPS USING SANITARY TYPE, ONE PART, MILDEW RESISTANT SILICONE SEALANT. MATCH SEALANT COLOR TO FIXTURE COLOR.

GENERAL DEMOLITION NOTES:

1. ALL EXISTING PLUMBING FIXTURES, EQUIPMENT, AND ASSOCIATED PIPING SHOWN AS DASHED (HEAVY/BOLD) SHALL BE REMOVED. PROTECT EXISTING WORK WHICH IS TO REMAIN IN PLACE FOR REUSE WITH TEMPORARY COVERS, SHORING, BRACING, AND SUPPORTS. EXISTING DOMESTIC COLD, HOT, HOT WATER RETURN, AND NATURAL GAS PIPING LOCATED IN TUNNELS SHALL BE CAPPED AND ABANDONED IN PLACE.
2. THE OWNER RESERVES THE RIGHT OF FIRST REFUSAL IN OWNERSHIP OF ANY EQUIPMENT AND MATERIALS TO BE REMOVED FROM THE BUILDING SITE. ALL EQUIPMENT TO BE REMOVED AND NOT REUSED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE OWNERS PROPERTY.
3. INVESTIGATION OF EXISTING PLUMBING SYSTEMS WILL BE REQUIRED BY THE CONTRACTOR AS PART OF HIS BID PRICE, SO THAT THE EXACT EXTENT OF DEMOLITION CAN BE ACCURATELY DETERMINED. THE CONTRACTOR'S BID PRICE SHALL ALSO COVER REMOVAL OF SOME PORTIONS OF PLUMBING SYSTEMS NOT EXPLICITLY SHOWN ON THE DEMOLITION DRAWINGS, BUT DISCOVERED DURING THE INVESTIGATION PROCESS. THE CONTRACTOR SHALL WORK WITH THE ARCHITECT/ENGINEER AND THE OWNER TO DETERMINE WHICH PORTIONS OF EXISTING SYSTEMS MUST REMAIN ACTIVE AND WHICH PORTIONS MUST BE DEMOLISHED. REMOVE ALL INACTIVE PIPING TO THE NEAREST ACTIVE MAINS AND CAP. ABANDONED PIPING SYSTEMS BENEATH THE BUILDING SHALL BE CAPPED AT BOTH ENDS.
4. DEMOLITION OF AN ITEM SHALL INCLUDE REMOVAL OF ALL RELATED HANGERS, SUPPORTS, PIPING, AND ACCESSORIES. REMOVAL OF POWER WIRING SHALL BE BY OTHERS UNLESS INDICATED OTHERWISE.
5. CONTRACTOR SHALL PROTECT ALL WALLS, CEILINGS, FLOORS, LIGHTS AND OTHER FINISHED SURFACES WHICH ARE NOT SCHEDULED FOR IMMEDIATE REMOVAL. IF SURFACES OR LIGHTS ARE DAMAGED, CONTRACTOR SHALL REPAIR OR REPLACE TO MATCH ORIGINAL CONDITIONS.
6. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR ALL FLOOR, WALL, AND ROOF REPAIR WORK LEFT BY REMOVED ITEMS.

MINIMUM SIZE CONNECTION

FIXTURE	CW	HW	SAN	VENT
WATER CLOSET (FLUSH VALVE)	1 1/4"	----	4"	2"
URINAL (FLUSH VALVE)	3/4"	----	2"	1 1/2"
LAVATORY	1/2"	1/2"	1 1/4"	1 1/4"
SINK	1/2"	1/2"	1 1/2"	1 1/2"
SHOWER	1/2"	1/2"	2"	1 1/2"
MOP SERVICE BASIN	3/4"	3/4"	3"	1 1/2"
WASHING MACHINE OUTLET BOX (WITH STANDPIPE)	3/4"	3/4"	3" (TRAP)	1 1/2"
ICE MAKER OUTLET BOX	1/2"	----	----	----
WALL HYDRANT / HOSE BIBB	3/4"	----	----	----
ELECTRIC WATER COOLER	1/2"	----	1 1/4"	1 1/4"
DRINKING FOUNTAIN	1/2"	----	1 1/4"	1 1/4"
FLOOR DRAIN / FLOOR SINK	----	----	3"	1 1/2"
FLOOR DRAIN / FLOOR SINK (MECHANICAL ROOM)	----	----	4"	2"

NOTE:
NOT ALL PLUMBING FIXTURES MAY BE PRESENT IN CONSTRUCTION DOCUMENTS.

WATER HAMMER ARRESTOR LEGEND

SYMBOL	PDI RATING	FIXTURE UNIT CAP
Ⓐ	A	1-11
Ⓑ	B	12-32
Ⓒ	C	33-60
Ⓓ	D	61-113
Ⓔ	E	114-154
Ⓕ	F	155-330

NOTE:
PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT OF WATER HAMMER ARRESTORS. REFER TO SPECIFICATION SECTION 22 11 19 AND MANUFACTURERS RECOMMENDATIONS.

NOTE:
SIMILAR FOR INSULATED PIPE. INSULATION SHALL BE CONTINUOUS THROUGH WALL

4 P0.01 PIPE WALL SLEEVE (NON-RATED WALL)

NOT TO SCALE

NOTES:
1. REFER TO SPECIFICATION SECTIONS FOR HANGERS AND SUPPORTS FOR PLUMBING PIPING SUBMITTALS, PRODUCTS, AND INSTALLATION REQUIREMENTS.
2. REFER TO PROJECT SPECIFICATIONS FOR PLUMBING PIPING INSULATION SUBMITTALS (INCLUDING MOCK UPS), PRODUCTS, AND INSTALLATION REQUIREMENTS.

2 P0.01 PIPE HANGER WITH INSULATION DETAIL (ABOVE AMBIENT)

NOT TO SCALE

FIRESTOPPING NOTES:
1. FURNISH AND INSTALL UL LISTED COMPLETE THROUGH FIRESTOP ASSEMBLY.
2. MULTIPLE PIPES MAY BE USED WHEN IN COMPLIANCE WITH FIRE TEST.
3. REFER TO SPECIFICATIONS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND HOUR RATINGS FOR WALLS.

NOTE:
SIMILAR FOR INSULATED PIPE. INSULATION SHALL BE CONTINUOUS THROUGH WALL

3 P0.01 FIRESTOPPING AT BLOCK WALL PENETRATION DETAIL

NOT TO SCALE

NOTES:
1. REFER TO SPECIFICATION SECTIONS FOR HANGERS AND SUPPORTS FOR PLUMBING PIPING SUBMITTALS, PRODUCTS, AND INSTALLATION REQUIREMENTS.
2. REFER TO PROJECT SPECIFICATIONS FOR PLUMBING PIPING INSULATION SUBMITTALS (INCLUDING MOCK UPS), PRODUCTS, AND INSTALLATION REQUIREMENTS (INCLUDING CONTINUOUS VAPOR BARRIER).

1 P0.01 PLUMBING PIPE HANGER WITH INSULATION DETAIL (BELOW AMBIENT)

NOT TO SCALE

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Design, Inc.

TRENT A. DEBOER
No. 11200232
03/17/2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

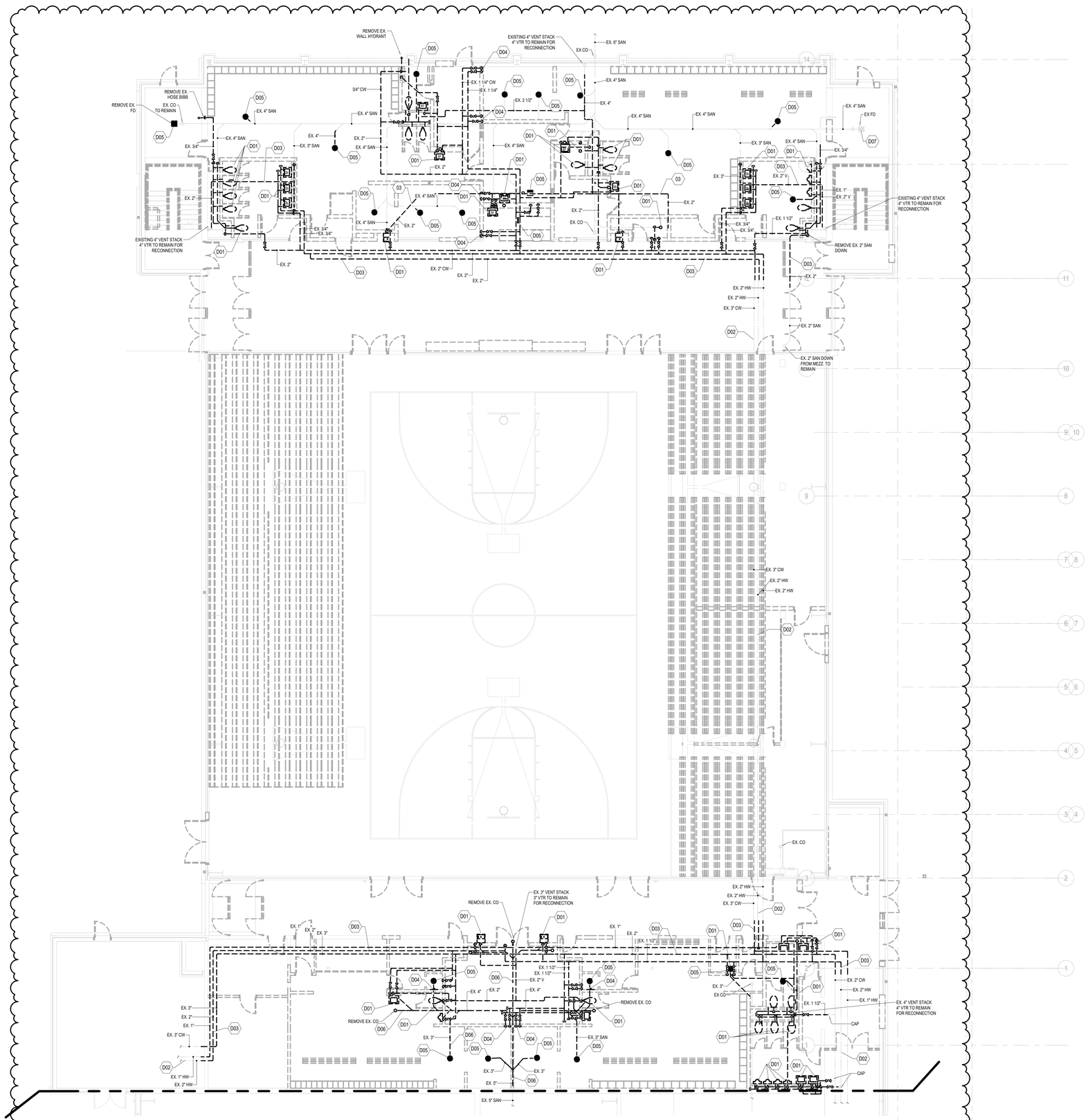
CAMBRIDGE CITY, INDIANA

ISSUANCES	
01.06.2025	BIDS & CONSTRUCTION
01.16.2025	ADDENDUM 001

DRAWN	DAL
REVIEWED	AJM
PROJECT NO.	5-6394

PLUMBING GENERAL INFORMATION

P0.01



UNIT 'A' PLUMBING DEMOLITION PLAN

1/8" = 1'-0"

	PLUMBING DEMO KEYNOTE LEGEND
D01	REMOVE EXISTING PLUMBING FIXTURE, FAUCET, FLUSH VALVE, P-TRAPS, SUPPLIES AND ALL RELATED ACCESSORIES LOCATED IN THIS AREA. CAP WASTE PIPING BELOW FLOOR. REMOVE VENT, HOT WATER AND COLD WATER PIPING BACK TO NEAREST MAIN AND CAP. SAW-CUT AND PATCH CONCRETE FLOOR AS REQUIRED FOR THE REMOVAL AND CAPPING OF PIPING.
D02	EXISTING PIPING LOCATED OVERHEAD ABOVE CEILING TO REMAIN.
D03	REMOVE EXISTING PIPING LOCATED ABOVE CEILING.
D04	REMOVE EXISTING SHOWERS, WALL SHROUD, RELATED PIPING AND THERMOSTATIC MIXING VALVE IN WALL CABINET.
D05	REMOVE EXISTING FLOOR DRAIN AND RELATED PIPING. CAP PIPING BELOW FLOOR. PATCH AND REPAIR EXISTING CONCRETE FLOOR.
D06	REMOVE EXISTING SANITARY DRAIN PIPING LOCATED BELOW FLOOR.
D07	EXISTING FLOOR DRAIN TO REMAIN. CLEAN AND JET DRAIN BODY AND SANITARY PIPING TO ENSURE PROPER DRAINAGE.

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WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

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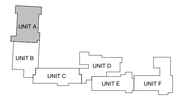

KEYPLAN

UNIT 'A' PLUMBING DEMOLITION PLAN

P1.1A

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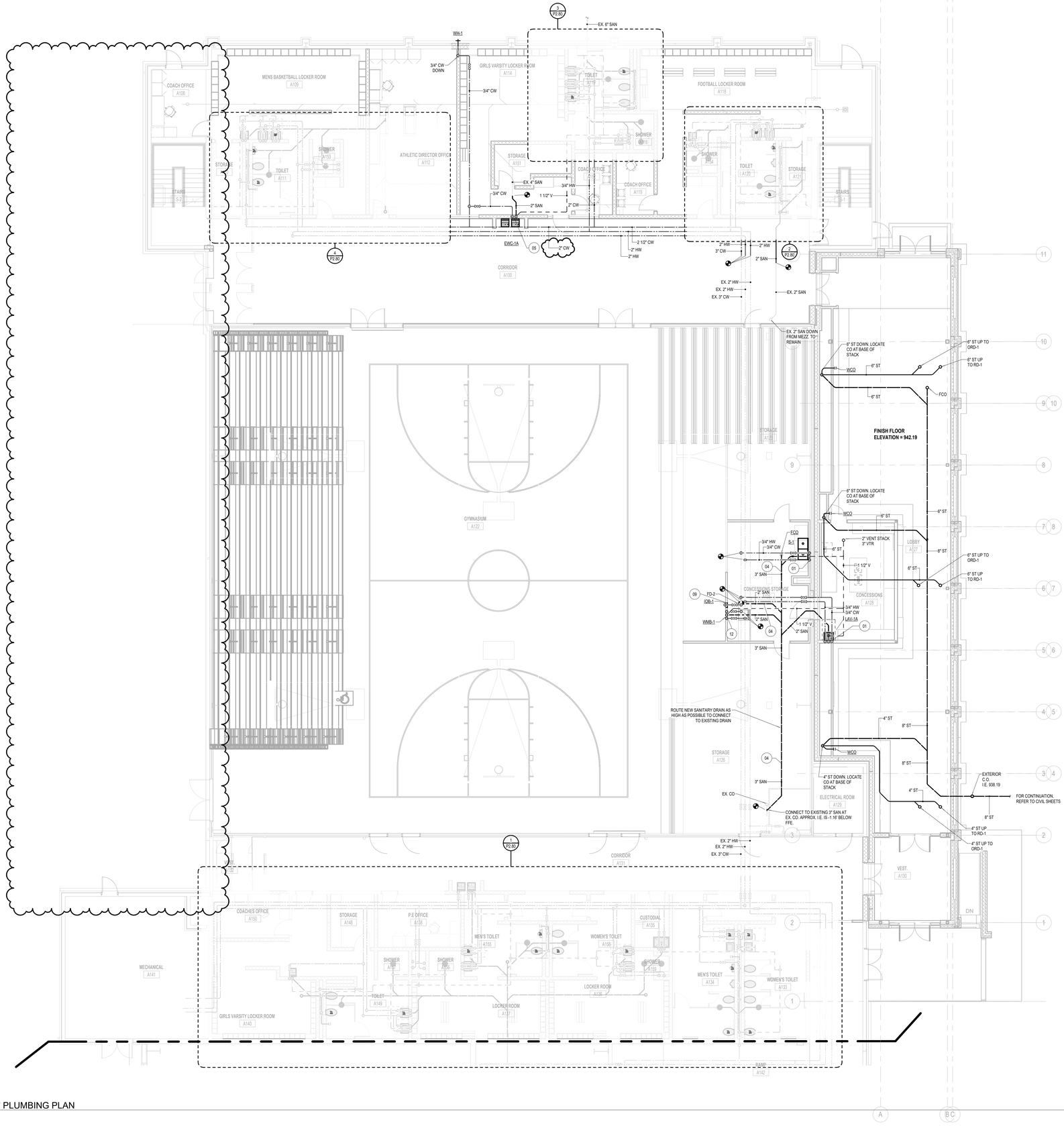
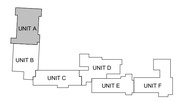
	PLUMBING KEYNOTE LEGEND
01	ROUTE 3/4" HW AND CW DOWN IN WALL, 2" WASTE DOWN AND 1 1/2" VENT UP TO ABOVE CEILING.
04	SAW-CUT EXISTING CONCRETE FLOOR FOR THE INSTALLATION OF NEW PIPING. PATCH AND REPAIR FLOOR TO MATCH SURROUNDING MATERIALS.
05	ROUTE 3/4" COLD WATER DOWN, 2" WASTE DOWN AND 1 1/2" VENT UP.
09	ROUTE 1/2" COLD WATER DOWN TO OUTLET BOX IOB-1. PROVIDE EVERPURE MODEL NO. QL2OWXXXL EV9275-70 WATER FILTER ON WATER SUPPLY SERVING ICE MACHINE. ROUTE AND PROVIDE COPPER INDIRECT WASTE PIPING FROM ICE MACHINE TO FUNNEL FLOOR DRAIN.
12	ROUTE 3/4" HOT AND COLD WATER DOWN TO WASHER BOX. 2" WASTE (STANDPIPE) DOWN AND 1 1/2" VENT UP. FINAL CONNECT WATER SUPPLY AND DRAIN PIPING FROM WASHER BOX TO DISHWASHER.



UNIT 'A' PLUMBING PLAN
1/8" = 1'-0"



KEYPLAN

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REGISTERED
No. 11200232
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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

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01.16.2025 ADDENDUM 001
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UNIT 'A' PLUMBING PLAN

P2.1A

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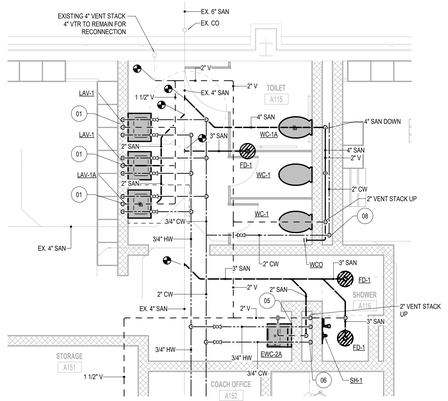
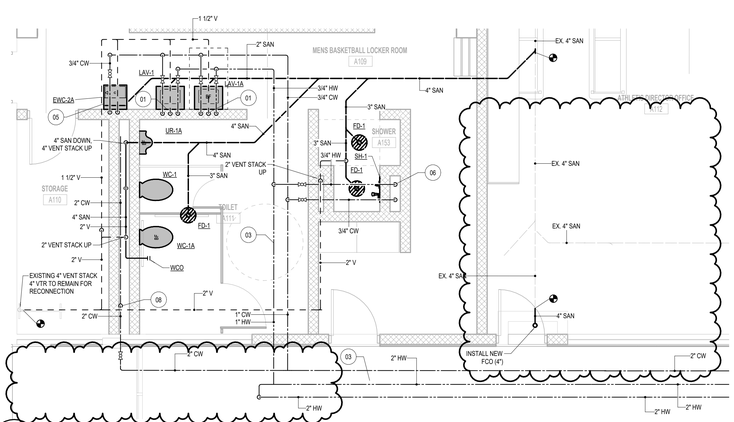
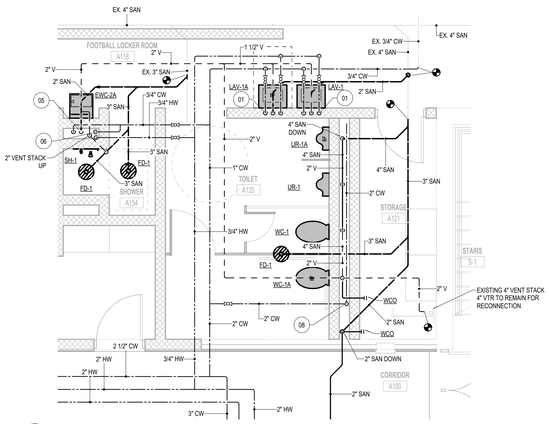
	PLUMBING KEYNOTE LEGEND
01	ROUTE 3/4" HW AND CW DOWN IN WALL, 2" WASTE DOWN AND 1 1/2" VENT UP TO ABOVE CEILING.
02	ROUTE 1 1/2" COLD WATER DOWN. ROUTE PIPE HEADER FULL SIZE AND CONNECT TO EACH FIXTURE. PROVIDE WATER HAMMER ARRESTOR SIZE "A" ON COLD WATER PIPING.
03	ROUTE NEW PIPING ABOVE CEILING.
05	ROUTE 3/4" COLD WATER DOWN, 2" WASTE DOWN AND 1 1/2" VENT UP.
06	ROUTE 3/4" HOT AND COLD WATER DOWN TO SHOWER VALVE CONNECTION.
08	ROUTE 2" COLD WATER DOWN IN CHASE. ROUTE PIPE HEADER FULL SIZE AND CONNECT TO EACH FIXTURE. PROVIDE WHA SIZE "C" ON COLD WATER PIPING.
10	ROUTE 2 1/2" COLD WATER DOWN. ROUTE PIPE HEADER FULL SIZE AND CONNECT TO EACH FIXTURE. PROVIDE WATER HAMMER ARRESTOR SIZE "D" ON COLD WATER PIPING.
11	ROUTE 3/4" HW AND CW DOWN IN WALL, 3" WASTE DOWN AND 2" VENT UP TO ABOVE CEILING.



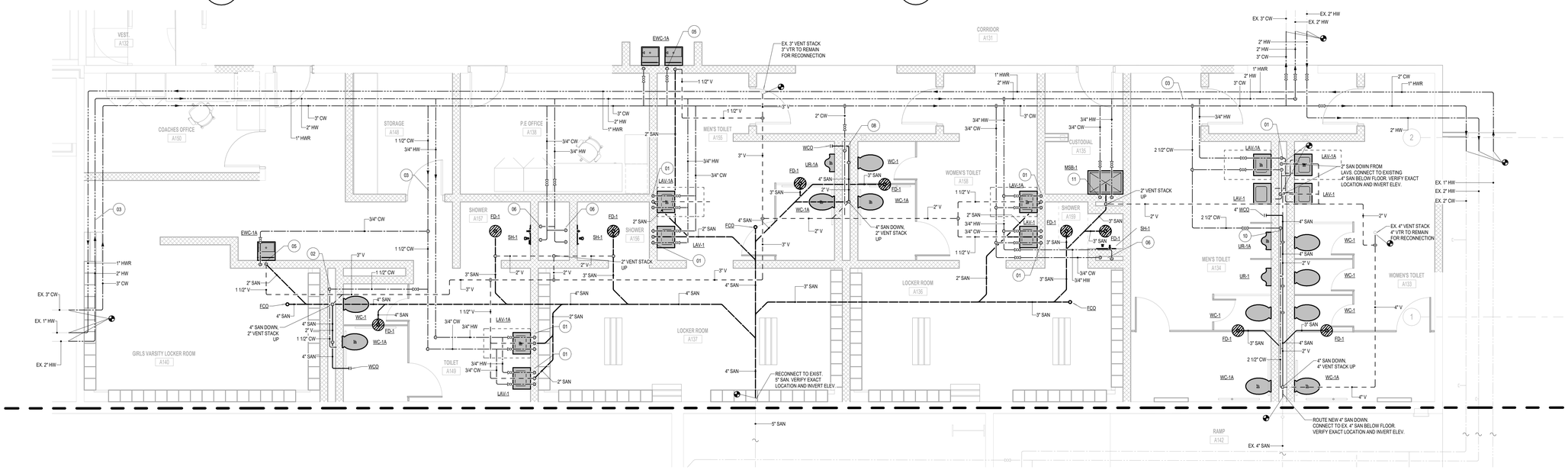
3 P2.80 ENLARGED TOILET AND SHOWER PLUMBING PLAN
1/4" = 1'-0"



4 P2.80 ENLARGED MENS BASKETBALL LOCKER ROOM PLUMBING PLAN
1/4" = 1'-0"



2 P2.80 ENLARGED TOILET PLUMBING PLAN
1/4" = 1'-0"



1 P2.80 ENLARGED VARSITY LOCKER ROOM AND MENS AND WOMENS TOILET PLUMBING PLAN
1/4" = 1'-0"

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CAMBRIDGE CITY, INDIANA

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DRAWN DAL
REVIEWED AJM

PROJECT NO. 5-6394

ENLARGED PLUMBING PLANS

P2.80

GENERAL HYDRONIC PIPING NOTES:

1. ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND ARE INTENDED TO SHOW THE GENERAL LAYOUT OF SYSTEMS AND EQUIPMENT. THE EXACT LOCATIONS OF EQUIPMENT AND THE FINAL PIPING LAYOUTS ARE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE FIELD-DETERMINED. COORDINATE WITH THE BUILDING ARCHITECTURE AND STRUCTURE, AND WITH NEW AND EXISTING MECHANICAL AND ELECTRICAL SYSTEMS. WHERE THE LAYOUT DIFFERS SIGNIFICANTLY FROM DESIGN, COORDINATE WITH THE ARCHITECT/ENGINEER. RECORD ALL DIFFERENCES ON RECORD DRAWINGS.
2. PIPING PLANS DO NOT NECESSARILY INDICATE ALL VALVES, GAUGES, UNIONS AND OTHER ACCESSORIES. REFER TO SCHEMATIC DIAGRAMS AND DETAILS FOR ADDITIONAL INFORMATION.
3. INSTALL ALL THERMOSTATS/SPACE TEMPERATURE SENSORS AT 48 INCHES ABOVE FINISHED FLOOR (TO TOP OF SENSOR), WHERE APPLICABLE, ALIGN WITH LIGHT SWITCHES.
4. ALL THERMOSTATS AND SENSORS LOCATED ON EXTERIOR WALLS SHALL HAVE INSULATED BACKPLATES. PACK ALL WALL OPENINGS WITH FIBERGLASS INSULATION.
5. THE CONTRACTOR SHALL EXAMINE THE CONDITION OF ALL EQUIPMENT PRIOR TO INSTALLATION. DO NOT INSTALL DAMAGED EQUIPMENT.
6. INSTALL PIPING IN A MANNER WHICH ENABLES COMPLETE DRAINAGE OF PIPING AND EQUIPMENT, AND COMPLETE ELIMINATION OF AIR POCKETS. MINIMIZE THE NUMBER OF PIPE RISES AND DROPS. FURNISH AND INSTALL DRAIN VALVES WITH CAPS AT ALL LOW POINTS IN PIPING. FURNISH AND INSTALL MANUAL AIR VENTS AT ALL HIGH POINTS IN PIPING.
7. REFER TO ARCHITECTURAL CODE COMPLIANCE PLANS FOR THE LOCATIONS OF FIRE/SMOKE RATED ASSEMBLIES.
8. REFER TO SPECIFICATION 23 21 13 FOR THE REQUIREMENTS FOR PIPE PENETRATIONS THROUGH BUILDING ASSEMBLIES.
9. WHERE POSSIBLE, INSTALL VALVES, EQUIPMENT AND DEVICES REQUIRING SERVICE OR MAINTENANCE IN ACCESSIBLE LOCATIONS. WHERE NOT POSSIBLE, PROVIDE ACCESS DOORS, SIZED SUITABLY FOR THE REQUIRED PURPOSE. COORDINATE ACCESS DOOR LOCATIONS AND SIZES WITH THE ARCHITECT/ENGINEER.
10. INSTALL VALVES WITH HANDLES ON TOP OR SIDE.
11. PROVIDE MANUFACTURERS' RECOMMENDED CLEARANCES FOR AIR FLOW, ELECTRICAL AND MAINTENANCE AROUND EQUIPMENT. WHERE CLEARANCES ARE ALSO SHOWN ON THE DRAWINGS, PROVIDE THE MORE STRINGENT OF THE REQUIRED CLEARANCES.
12. PROVIDE OVERSIZED PIPE HANGERS ON ALL INSULATED HOT AND COLD PIPING. REFER TO SPECIFICATION 23 07 19.

GENERAL HVAC NOTES:

1. ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND ARE INTENDED TO SHOW THE GENERAL LAYOUT OF SYSTEMS AND EQUIPMENT. THE EXACT LOCATIONS OF EQUIPMENT AND THE FINAL DUCTWORK LAYOUTS ARE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE FIELD-DETERMINED. COORDINATE WITH THE BUILDING ARCHITECTURE AND STRUCTURE, AND WITH NEW AND EXISTING MECHANICAL AND ELECTRICAL SYSTEMS. WHERE THE LAYOUT DIFFERS SIGNIFICANTLY FROM DESIGN, COORDINATE WITH THE ARCHITECT/ENGINEER. RECORD ALL DIFFERENCES ON RECORD DRAWINGS.
2. COORDINATE LOCATIONS OF REGISTERS, DIFFUSERS AND GRILLES WITH THE REFLECTED CEILING PLANS. COORDINATE ANY DISCREPANCIES WITH THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
3. INSTALL ALL THERMOSTATS/SPACE TEMPERATURE SENSORS AT 48 INCHES ABOVE FINISHED FLOOR (TO TOP OF SENSOR), WHERE APPLICABLE, ALIGN WITH LIGHT SWITCHES.
4. ALL THERMOSTATS AND SENSORS LOCATED ON EXTERIOR WALLS SHALL HAVE INSULATED BACKPLATES.
5. WHERE INTERNALLY LINED OR DOUBLE-WALL DUCTWORK IS SHOWN, THE DIMENSIONS SHOWN INDICATE THE REQUIRED INSIDE FREE AREA DIMENSIONS.
6. THE CONTRACTOR SHALL EXAMINE THE CONDITION OF ALL EQUIPMENT PRIOR TO INSTALLATION. DO NOT INSTALL DAMAGED EQUIPMENT.
7. WHERE CONNECTING NEW DUCTWORK TO EXISTING, SEAL JOINTS AIRTIGHT AND REPAIR DAMAGED INSULATION TO MATCH NEW.
8. WHERE DUCTWORK IS EXPOSED, ROUTE AS HIGH AS PRACTICAL IN THE SPACE UNLESS INDICATED OTHERWISE.
9. REFER TO ARCHITECTURAL CODE COMPLIANCE PLANS FOR THE LOCATIONS OF FIRE/SMOKE RATED ASSEMBLIES.
10. PAINT VISIBLE INTERIOR SURFACES OF DUCTS AT REGISTERS, GRILLES, DIFFUSERS AND LOUVERS FLAT BLACK.
11. WHERE POSSIBLE, INSTALL EQUIPMENT AND DEVICES REQUIRING SERVICE OR MAINTENANCE IN ACCESSIBLE LOCATIONS. WHERE NOT POSSIBLE, PROVIDE ACCESS DOORS, SIZED SUITABLY FOR THE REQUIRED PURPOSE. COORDINATE ACCESS DOOR LOCATIONS AND SIZES WITH THE ARCHITECT/ENGINEER.
12. PROVIDE MANUFACTURERS' RECOMMENDED CLEARANCES FOR AIR FLOW, ELECTRICAL AND MAINTENANCE AROUND EQUIPMENT. WHERE CLEARANCES ARE ALSO SHOWN ON THE DRAWINGS, PROVIDE THE MORE STRINGENT OF THE REQUIRED CLEARANCES.
13. FLEXIBLE DUCTWORK CONNECTIONS TO RIGID DUCTWORK, TO AIR TERMINAL UNITS AND TO REGISTERS, GRILLES AND DIFFUSERS SHALL BE CLAMPED AND TAPED. ROUND CONNECTIONS SHALL HAVE VINYL DRAWBANDS AND TAPE. TAPE SHALL MEET THE REQUIREMENTS OF U.L. 181B-FX.
14. FLEXIBLE DUCTWORK SHALL NOT BE USED ON RETURN AIR OR EXHAUST AIR DUCT SYSTEMS EXCEPT WHERE EXPLICITLY SHOWN ON DRAWINGS.

GENERAL MECHANICAL DEMOLITION NOTES:

1. THE OWNER RESERVES THE RIGHT OF FIRST REFUSAL IN OWNERSHIP OF ANY EQUIPMENT ITEMS AND MATERIALS TO BE REMOVED FROM THE BUILDING AND SITE.
2. ALL MATERIALS AND EQUIPMENT REMOVED AND NOT SALVAGED OR RE-USED SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE OWNER 'S PROPERTY AND DISPOSED OF PROPERLY.
3. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND ARE BASED ON THE REVIEW OF PREVIOUS DESIGN DRAWINGS (WHERE AVAILABLE) AND ON LIMITED FIELD INVESTIGATION. THE CONTRACTOR IS RESPONSIBLE TO INVESTIGATE THE BUILDING AND SITE TO DETERMINE THE FULL EXTENT OF DEMOLITION WORK REQUIRED. THE CONTRACTOR SHALL FIELD-VERIFY THE ACTUAL LOCATIONS AND SIZES OF EXISTING DUCTWORK, PIPING AND EQUIPMENT. WHERE DISCREPANCIES BETWEEN THE DRAWINGS AND THE EXISTING CONDITIONS RESULT IN AN UNCLEAR DEMOLITION SCOPE, COORDINATE WITH THE ARCHITECT/ENGINEER.
4. WHERE DEMOLITION OF MATERIALS OR EQUIPMENT IS REQUIRED, REMOVE ALL RELATED SUPPORTS, ACCESSORIES, LOW-VOLTAGE WIRING, PNEUMATIC TUBING AND CONTROLS (CONCEALED OR EXPOSED). REMOVE WIRING TO THE NEAREST JUNCTION BOX, AND PNEUMATIC TUBING TO THE NEAREST MAIN. WHERE A PNEUMATIC CONTROL SYSTEM IS TO REMAIN ACTIVE, CAP AND SEAL TUBING AT MAINS.
5. ALL PIPING, DUCTWORK AND EQUIPMENT SHOWN CROSS-HATCHED OR BOLD DASHED SHALL BE REMOVED OR RELOCATED UNLESS OTHERWISE NOTED.
6. VERIFY LOCATION AND PROTECT EXISTING WORK AND UTILITIES WHICH ARE TO REMAIN IN PLACE WITH TEMPORARY COVERS, SHORING, BRACING AND SUPPORTS.
7. ALL MATERIALS AND EQUIPMENT REQUIRING REMOVAL AND REINSTALLATION FOR RE-USE SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE. THE CONTRACTOR IS RESPONSIBLE FOR LOSS OF OR DAMAGE TO STORED MATERIALS AND EQUIPMENT.
8. WHERE ON-SITE STORAGE OF MATERIAL AND EQUIPMENT IS PERMITTED, COORDINATE STORAGE LOCATION(S) WITH THE OWNER.
9. PROTECT THE BUILDING STRUCTURE AND FINISHES AND ALL BUILDING SYSTEMS DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES INCURRED AS A RESULT OF DEMOLITION WORK.
10. UNLESS ASSIGNED TO ANOTHER TRADE, PATCH AND REPAIR ALL WALL, FLOOR AND CEILING OPENINGS DUE TO DEMOLITION WHICH ARE NOT TO BE RE-USED. MATCH EXISTING SURROUNDING CONSTRUCTION, FINISHES, COLORS AND FIRE/SMOKE RATINGS.
11. UNLESS ASSIGNED TO ANOTHER TRADE, PATCH AND REPAIR ROOF IN A MANNER WHICH WILL MAINTAIN THE WATER-TIGHT INTEGRITY OF THE ROOF. WHERE A ROOF WARRANTY EXISTS, PERFORM THE WORK IN A MANNER WHICH WILL MAINTAIN THE WARRANTY.
12. IF MATERIALS SUSPECTED OF CONTAINING ASBESTOS ARE ENCOUNTERED, NOTIFY THE OWNER IMMEDIATELY. WHERE REMOVAL OR ENCAPSULATION IS REQUIRED, SUCH WORK WILL BE PERFORMED BY THE OWNER UNDER A SEPARATE CONTRACT.

GENERAL INSTRUMENT SYMBOLS

	LOCAL DEVICE
TR / AL	(TR - TREND) BMS CONTROL POINT / FUNCTION (AL - ALARM)
	AVERAGING TEMPERATURE ELEMENT
	AIR FLOW TRANSMITTER
	OPPOSED BLADE DAMPER
	PARALLEL BLADE DAMPER
	BLADE DAMPER
C / C	AIR COIL
	FAN
FILTER	FILTER
	PUMP

LOCAL DEVICE ABBREVIATIONS

CO2	CARBON DIOXIDE LEVEL TRANSMITTER
CO	CARBON MONOXIDE LEVEL TRANSMITTER
ECM	ELECTRICALLY COMMUTATED MOTOR
FSH	FLOW SWITCH HIGH
FSL	FLOW SWITCH LOW
FT	FLOW TRANSMITTER
GCV	GAS CONTROL VALVE
HS	HAND SWITCH (HAND-OFF-AUTO)
HT	HUMIDITY TRANSMITTER
HTG	HEATING ELEMENT
IS	ION SENSOR
KC	TIME CLOCK CONTROLLING EQPM SCHEDULE
LSL	LEVEL SWITCH LOW
LSH	LEVEL SWITCH HIGH
LT	LEVEL TRANSMITTER
M	MOTOR
MD	MOTORIZED CONTROL DAMPER
OCC	OCCUPANCY SENSOR
PDT	PRESSURE DIFFERENTIAL TRANSMITTER
PDS	PRESSURE DIFFERENTIAL SWITCH
PKG	PACKAGED EQUIPMENT CONTROLLER
PSH	PRESSURE SWITCH HIGH
PSL	PRESSURE SWITCH LOW
PT	PRESSURE TRANSMITTER
SD	SMOKE DETECTOR
SNW	SNOW/ICE SENSOR
TCV	TEMPERATURE CONTROL VALVE
TSL	TEMPERATURE SWITCH LOW (FREEZESTAT)
TSH	TEMPERATURE SWITCH HIGH
TT	TEMPERATURE TRANSMITTER
VCC	VARIABLE CAPACITY COMPRESSOR
VFD	VARIABLE FREQUENCY DRIVE

BMS POINT ABBREVIATIONS

AL	GENERAL ALARM / ALARM LOW LIMIT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
CC	EQUIPMENT CAPACITY SIGNAL
CO2	CARBON DIOXIDE LEVEL
CO	CARBON MONOXIDE LEVEL
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
EN	EQUIPMENT ENABLE
ES	EMERGENCY SWITCH
FI	FLOW INDICATE
HI	HUMIDITY INDICATE
II	ION INDICATE
LI	LEVEL INDICATE
NO2	NITROGEN DIOXIDE LEVEL
O/C	OPEN/CLOSE (2-POS DAMPER OR VALVE)
OI	OCCUPIED/UNOCCUPIED INDICATE
PC	POSITION CONTROL (MODULATING DAMPER OR VALVE)
PI	PRESSURE INDICATE
SC	SPEED CONTROL
SD	SMOKE DETECTOR
SI	STATUS INDICATE
SNWI	SNOW/ICE INDICATE
S/S	START/STOP
STPT	SETPOINT SIGNAL
TI	TEMPERATURE INDICATE
WI	WATER INDICATE
ZI	POSITION INDICATE

MECHANICAL LINE SERVICE DESIGNATIONS

BFW	BOILER FEED WATER
CDGR	CONDENSER GLYCOL RETURN
CDGS	CONDENSER GLYCOL SUPPLY
CHGR	CHILLED GLYCOL RETURN
CHGS	CHILLED GLYCOL SUPPLY
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CTWR	COOLING TOWER WATER RETURN
CTWS	COOLING TOWER WATER SUPPLY
G	NATURAL GAS
GTWR	GEOTHERMAL WATER RETURN
GTWS	GEOTHERMAL WATER SUPPLY
HGR	HOT GLYCOL RETURN
HGS	HOT GLYCOL SUPPLY
HPCR	HIGH PRESSURE CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HWR	HOT WATER RETURN (HEATING)
HWS	HOT WATER SUPPLY (HEATING)
LPS	LOW PRESSURE STEAM
LPCR	LOW PRESSURE CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM
MPCR	MEDIUM PRESSURE CONDENSATE RETURN
RWR	RADIANT WATER RETURN
RWS	RADIANT WATER SUPPLY
SPWR	SWIMMING POOL WATER RETURN
SPWS	SWIMMING POOL WATER SUPPLY
SMR	SNOWMELT RETURN
SMS	SNOWMELT SUPPLY
PCR	PUMPED CONDENSATE RETURN
V	VENT

MECHANICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
BCU	BLOWER COIL UNIT
BOD	BOTTOM OF DUCT
BOG	BOTTOM OF GRILLE
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
CLG	CEILING
CO	CLEAN-OUT
CONN	CONNECTION
CONT	CONTINUATION
CONV	CONVECTOR
CUH	CABINET UNIT HEATER
DN	DOWN
DW	DOUBLE WALL
DWG	DRAWING
EA	EXHAUST AIR
ECM	ELECTRONICALLY COMMUTATED MOTOR
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
ET	EXPANSION TANK
ERU	ENERGY RECOVERY UNIT
EX.	EXISTING
FCU	FAN COIL UNIT
FLR	FLOOR
MAU	MAKE-UP AIR UNIT
MFR	MANUFACTURER
MAX	MAXIMUM
MIN	MINIMUM
OA	OUTSIDE AIR
RA	RETURN AIR
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SPECS.	SPECIFICATIONS
TOD	TOP OF DUCT
TOG	TOP OF GRILLE
TOP	TOP OF PIPE
TOS	TOP OF STRUCTURE
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
VD	VOLUME DAMPER
VTR	VENT THRU ROOF

HVAC SYMBOLS

T / S	THERMOSTAT / SENSOR
T / R	RADIANT FLOOR THERMOSTAT
H	HUMIDISTAT
CO2	CARBON DIOXIDE SENSOR
	PARALLEL BLADE DAMPER
	OPPOSED BLADE DAMPER
M	MOTOR OPERATED DAMPER
	VOLUME DAMPER
	FIRE DAMPER (THRU FLOOR)
	FIRE DAMPER (THRU WALL)
SD	SMOKE DAMPER (THRU FLOOR)
SD	SMOKE DAMPER (THRU WALL)
F/S	COMBINATION FIRE/SMOKE DAMPER (THRU FLOOR)
F/S	COMBINATION FIRE/SMOKE DAMPER (THRU WALL)
SD	DUCT SMOKE DETECTOR
	CONNECT TO EXISTING

HVAC SHEETMETAL SYMBOLS

	DUCTWORK / DIFFUSER DEMOLITION
OR	MITERED ELBOW (RECTANGULAR, ROUND & OVAL) TURNING VANES REQUIRED PER SPECIFICATIONS
	RECTANGULAR DUCTWORK RISE
	RECTANGULAR DUCTWORK DROP
	ROUND DUCTWORK RISE
	ROUND DUCTWORK DROP
X"x" SA	RECTANGULAR DUCTWORK
X"ø SA	ROUND DUCTWORK
X"/X"x SA	OVAL DUCTWORK
X"x/" DW SA	DOUBLE WALL DUCTWORK
X"x/" LINED SA	LINED DUCTWORK
R	DUCTWORK RISE SYMBOL
D	DUCTWORK DROP SYMBOL
	FLEXIBLE DUCTWORK (SUPPLY)
	SUPPLY DIFFUSER (S-X)
	RETURN GRILLE (R-X)
	EXHAUST GRILLE (E-X)
	LINEAR SLOT DIFFUSER (S-X)
	SIDEWALL DIFFUSER OR GRILLE
	RECTANGULAR OR ROUND MANUAL DAMPER
M	RECTANGULAR OR ROUND MOTORIZED DAMPER
F/S	RECTANGULAR OR ROUND FIRE / SMOKE DAMPER
	RECTANGULAR OR ROUND FIRE DAMPER
	VAV TERMINAL BOX

PIPING & INSTR. SYMBOLS

	ECCENTRIC REDUCER
	CONCENTRIC REDUCER
T	GENERAL / THERMODYNAMIC TRAP
T	INVERTED BUCKET TRAP
SD	SUCTION DIFFUSER
	UNION
	FLEXIBLE CONNECTOR
	CAP
	BLIND FLANGE
	"Y" STRAINER W/ BLOWDOWN
	AIR VENT
F	COMPRESSED AIR COMB. FILTER, REG. & OILER
FS	FLOW SWITCH
PS	PRESSURE SWITCH
PT	PRESSURE TAP
TW	THERMOWELL
PG	PRESSURE GAUGE & SHUT OFF
PG	PRESSURE GAUGE W/ SIPHON
TI	THERMOMETER
	EMERGENCY EYE WASH / SHOWER
	ANCHOR
	GUIDE
	HIGH CAPACITY AIR VENT
T	FLOAT & THERMOSTATIC TRAP

VALVE SYMBOLS

	GATE VALVE
	BALL VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	SWING CHECK VALVE
	TRIPLE-DUTY VALVE
	PLUG VALVE
	DIAPHRAGM VALVE
	NEEDLE VALVE
	ANGLE VALVE
	PRESSURE REDUCING VALVE, SELF-CONTAINED
	EXT. PRESSURE REDUCING VALVE
	RELIEF / SAFETY VALVE
	HOSE BIBB
S	SOLENOID VALVE
	CALIBRATED BALANCING VALVE
	TEMPERATURE CONTROL VALVE
	CONTROL VALVE, 3-WAY
	BACKFLOW PREVENTER WITH DRIP PAN
	AUTOMATIC FLOW CONTROL VALVE
	CONNECT TO EXISTING
	INDICATES VALVE IS FLANGED (TYP)

gmb
Maze Design, Inc.

TRENT A. DEBOER REGISTERED No. 11200232 STATE OF INDIANA PROFESSIONAL ENGINEER
03/17/2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

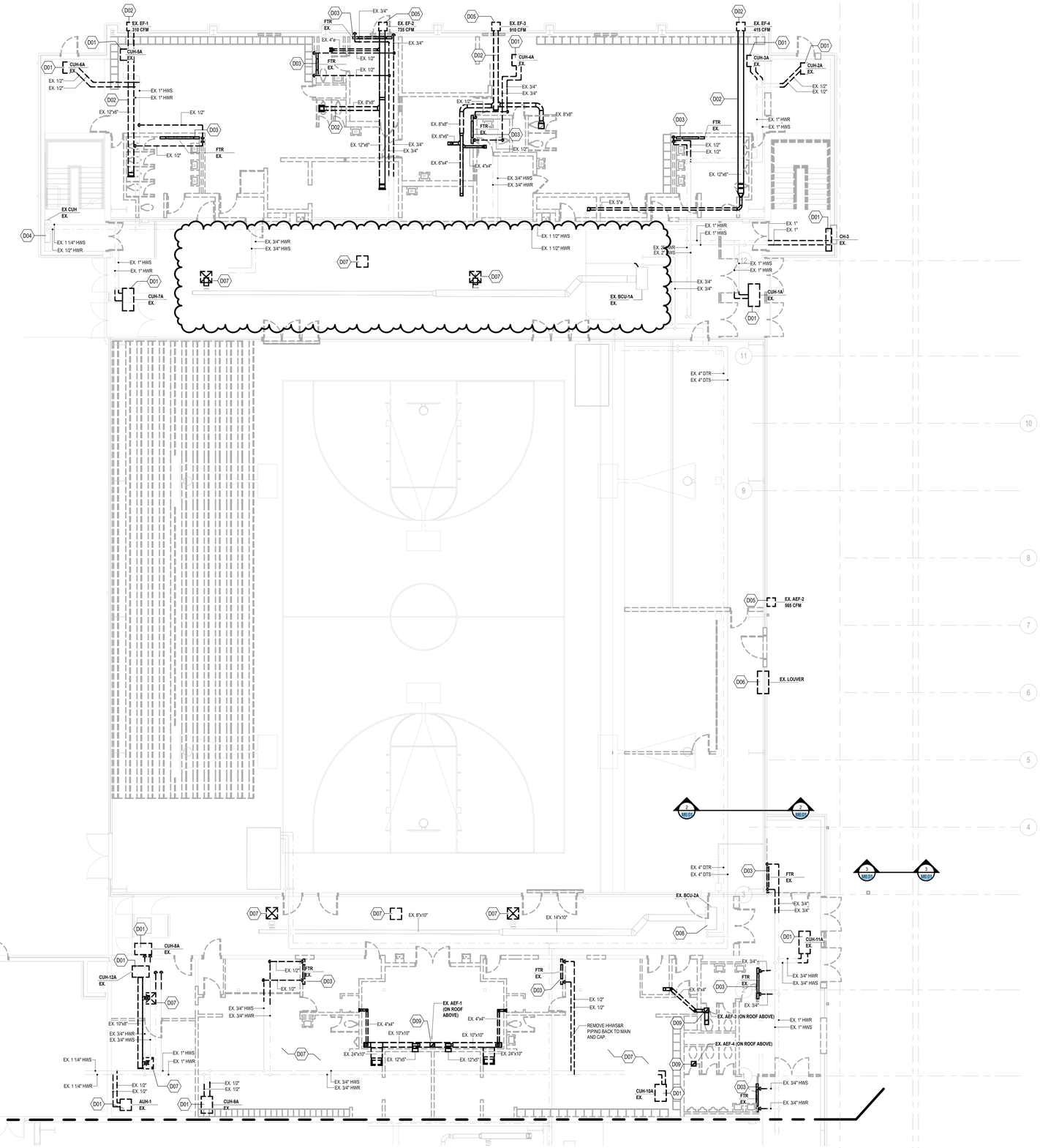
DRAWN GSH
REVIEWED LDE

PROJECT NO. 5-6394

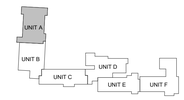
MECHANICAL GENERAL INFORMATION

M0.01

	MECHANICAL DEMO KEYNOTE LEGEND
D01	DEMOLISH EXISTING CABINET UNIT HEATER AND ASSOCIATED PIPING CONNECTIONS. PREP FOR NEW WORK.
D02	DEMOLISH EXISTING EXHAUST AIR DUCT, HANGERS, SUPPORTS, FANS COMPLETE. REUSE AND MODIFY EXISTING WALL OPENING FOR NEW EXHAUST FAN INSTALLATION.
D03	DEMOLISH EXISTING FTR AND BRANCH PIPING TO ABOVE CEILING. CAP AND PREP FOR NEW WORK.
D04	EXISTING CABINET UNIT HEATER TO REMAIN.
D05	DEMOLISH EXISTING EF AND ALL ASSOCIATED HVAC AND CONTROLS. PATCH EXTERIOR WALL COMPLETE TO MATCH ADJACENT.
D06	DEMOLISH EXISTING LOUVER AND ALL ASSOCIATED HVAC. PATCH EXTERIOR WALL COMPLETE TO MATCH ADJACENT.
D07	DEMOLISH EXISTING DIFFUSER/GRILLE AND ASSOCIATED FLEX DUCT AS NECESSARY. TYPICAL ALL DIFFUSERS/GRILLES SHOWN AS DEMO.
D08	EXISTING BLOWER COIL UNIT TO REMAIN.
D09	DEMOLISH EXISTING EXHAUST FAN AND AND ALL ASSOCIATED HVAC AND CONTROLS COMPLETE. PATCH ROOF TO MATCH ADJACENT.



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



KEYPLAN

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

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01.06.2025 BIDS & CONSTRUCTION
03.24.2025 BULLETIN 002

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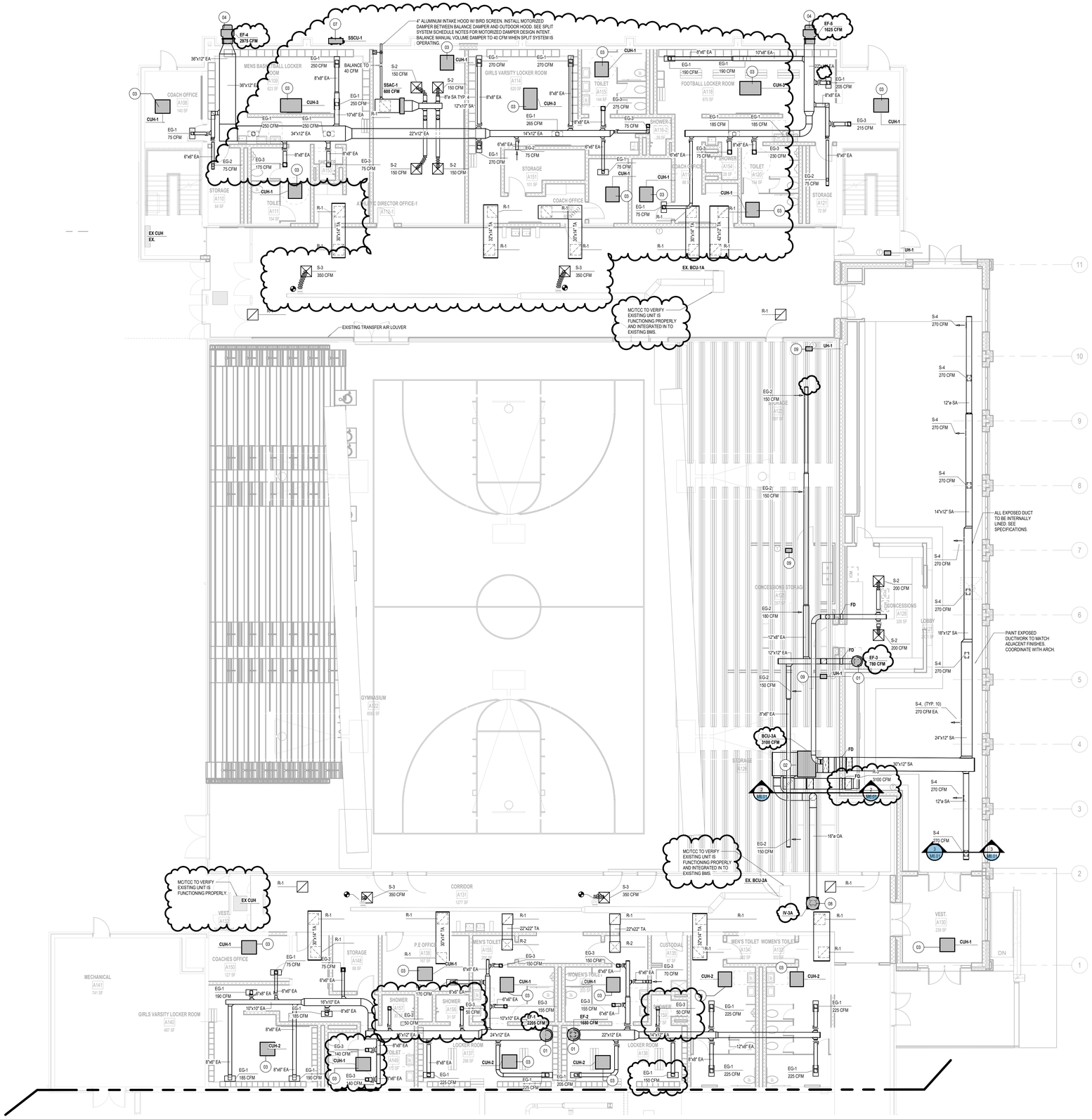
REVIEWED LDE

PROJECT NO. 5-6394

UNIT 'A' FIRST FLOOR MECHANICAL DEMOLITION PLAN

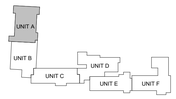
M1.01A



MECHANICAL KEYNOTE LEGEND

01	NEW EXHAUST FAN ON ROOF ABOVE. SEAL ROOF PENETRATION WATER-TIGHT. CONNECT TO EXISTING BAS.
02	NEW BLOWER COIL UNIT. SUPPORT FROM STRUCTURE ABOVE. SUSPEND AS HIGH AS POSSIBLE. CONNECT TO EXISTING BAS.
03	NEW CEILING MOUNTED HHW CABINET UNIT HEATER. EXTEND 3/4" HHW PIPING AS NECESSARY. CONNECT INTO EXISTING BAS.
04	INSTALL NEW SIDEWALL EXHAUST FAN REUSING EXISTING SIDEWALL PENETRATION LOCATION.
07	INSTALL NEW OUTDOOR SPLIT UNIT MOUNTED TO EXTERIOR WALL. PROVIDE BRACKET FOR INSTALLATION.
08	INSTALL NEW INTAKE VENTILATOR ON ROOF ABOVE. SEAL ROOF PENETRATION WATER-TIGHT. CONNECT TO EXISTING BAS.
09	INSTALL HHW UNIT HEATER SUPPORTED FROM STRUCTURE ABOVE. PROVIDE CONTROLS AND CONNECT INTO BAS.

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



KEYPLAN

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

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01.06.2025 BIDS & CONSTRUCTION
01.22.2025 ADDENDUM 002
03.24.2025 BULLETIN 002

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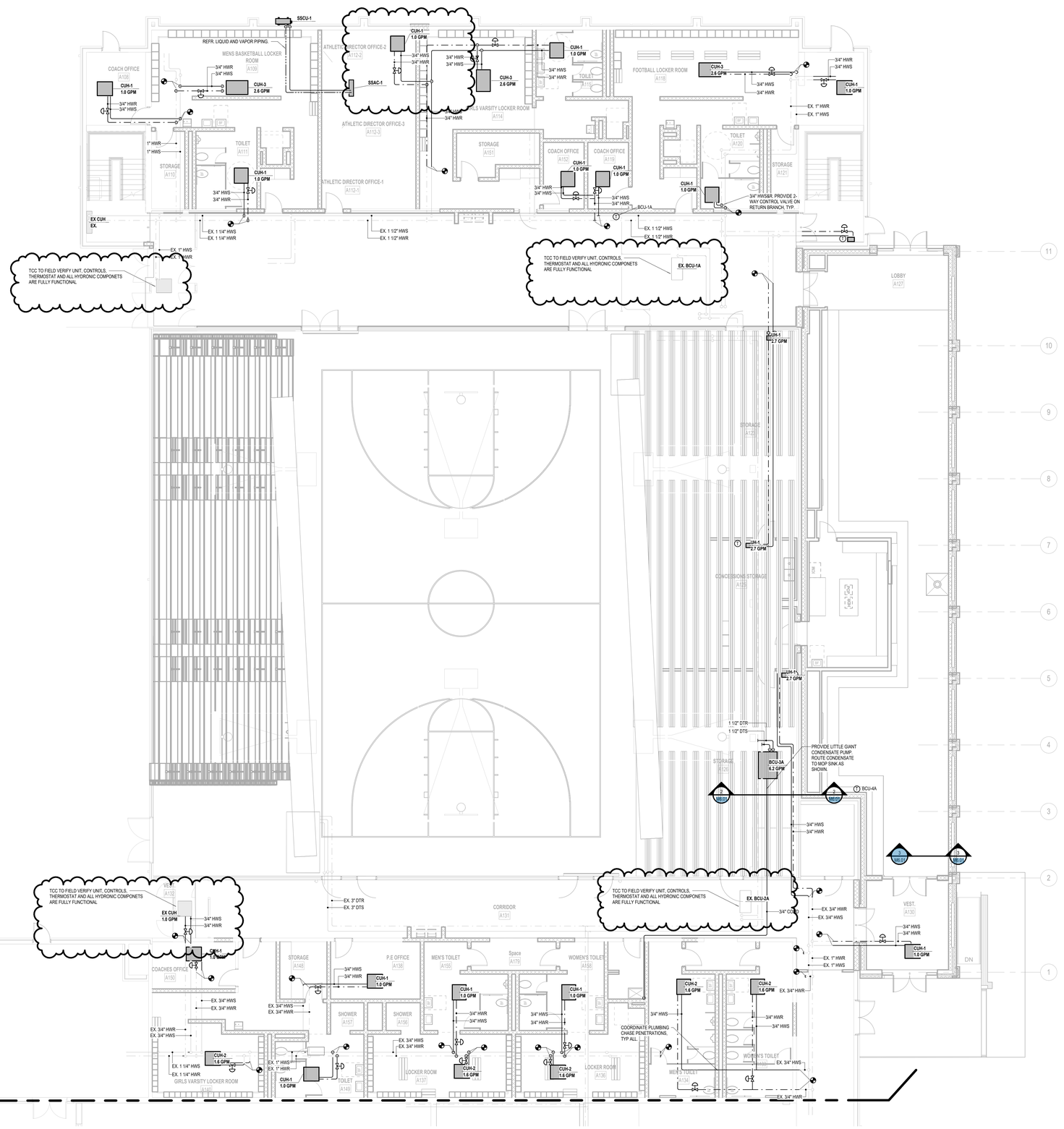
PROJECT NO. 5-6394

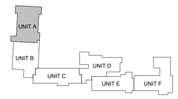
UNIT 'A' FIRST FLOOR HVAC PLAN

M2.1A



UNIT 'A' FIRST FLOOR HYDRONIC PLAN

1/8" = 1'-0"



KEYPLAN

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WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

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01.06.2025 BIDS & CONSTRUCTION
01.16.2025 ADDENDUM 001
03.24.2025 BULLETIN 002

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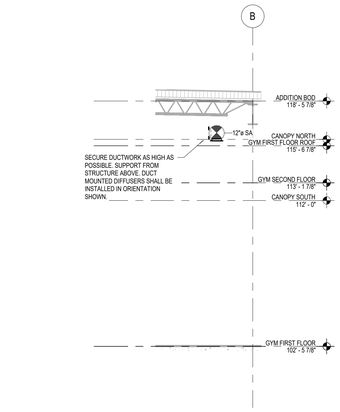
PROJECT NO. 5-6394

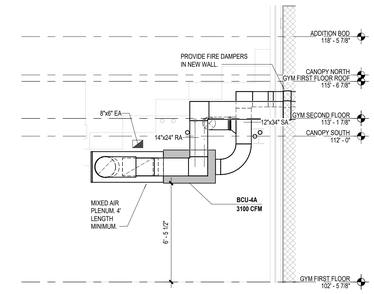
UNIT 'A' FIRST FLOOR HYDRONIC PLAN

M3.1A



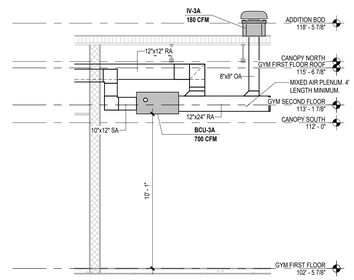
3 M6.01 MECHANICAL SECTION - LOBBY A127

1/4" = 1'-0"



2 M6.01 MECHANICAL SECTION - 126 STORAGE

1/4" = 1'-0"



1 M6.01 MECHANICAL SECTION - A106 STORAGE

1/4" = 1'-0"

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TRENT A. DEBOER
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STATE OF INDIANA
PROFESSIONAL ENGINEER
03/17/2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

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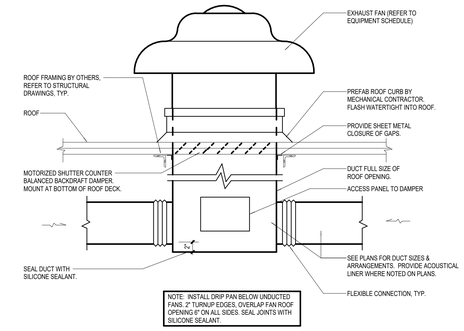
PROJECT NO.	5-6394

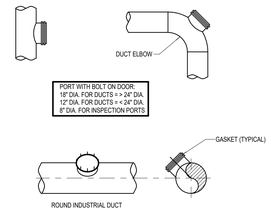
MECHANICAL SECTIONS

M6.01



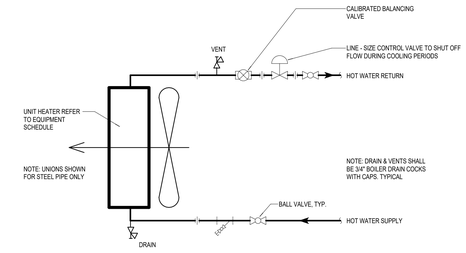
4 M7.01 ROOF EXHAUST FAN DETAIL

NOT TO SCALE



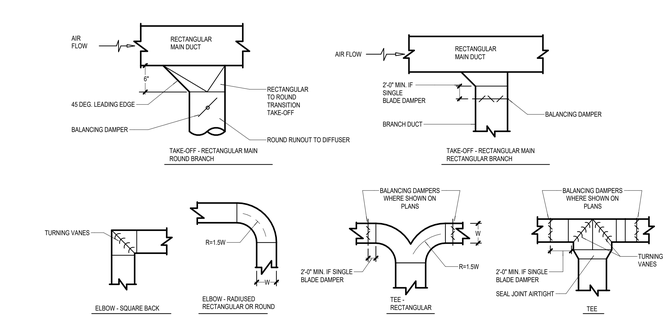
7 M7.01 DUCT CLEANOUT ACCESS DOOR / PORT

NOT TO SCALE



3 M7.01 HOT WATER UNIT HEATER DETAIL (WITH CONTROL VALVE)

NOT TO SCALE



9 M7.01 LOW PRESSURE DUCT FITTINGS

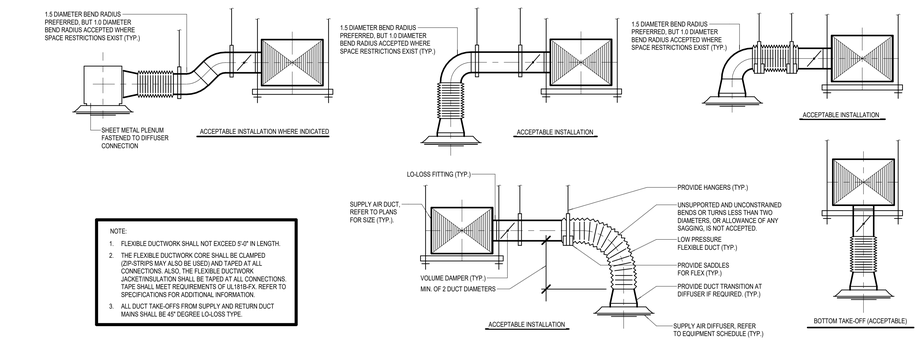
NOT TO SCALE

6 M7.01 REFRIGERANT PIPING DETAIL

NOT TO SCALE

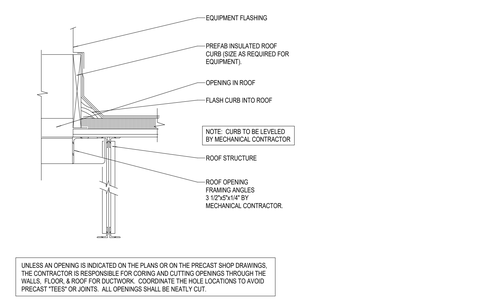
2 M7.01 HOT WATER CABINET HEATER PIPING - HORIZONTAL

NOT TO SCALE



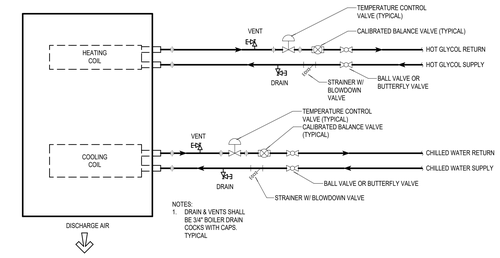
8 M7.01 CEILING DIFFUSER FLEX CONNECTION

NOT TO SCALE



5 M7.01 TYPICAL EQUIPMENT ROOF CURB DETAIL

NOT TO SCALE



1 M7.01 FAN OR BLOWER COIL PIPING DETAIL (2-WAY VALVE)

NOT TO SCALE

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03/17/2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

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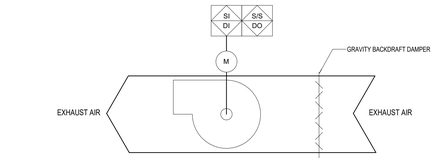
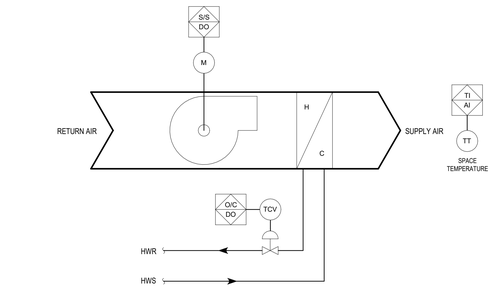
PROJECT NO. 5-6394

MECHANICAL DETAILS

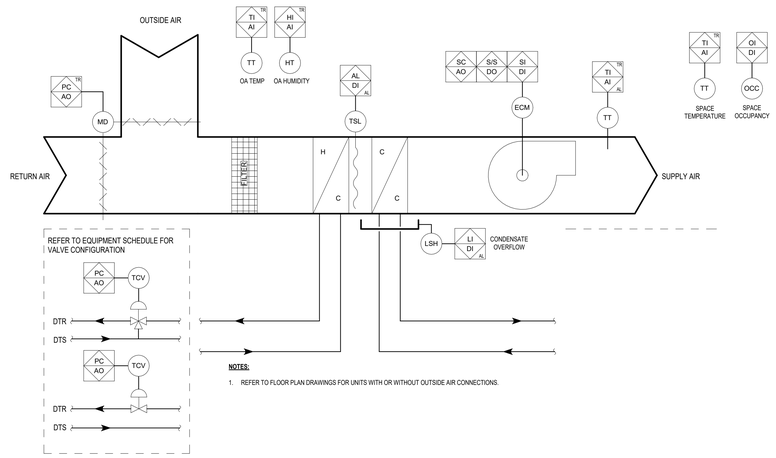
M7.01



3 M8.01 TYPICAL EXHAUST FAN CONTROL DIAGRAM
1" = 1'-0"



2 M8.01 TYPICAL CABINET AND UNIT HEATER CONTROL DIAGRAM
1" = 1'-0"



1 M8.01 BLOWER COIL OR FAN COIL UNIT WITH MIXING BOX CONTROL DIAGRAM
1" = 1'-0"

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STATE OF INDIANA
PROFESSIONAL ENGINEER
03/17/2025

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

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MECHANICAL & CONTROL DIAGRAMS

M8.01

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BLOWER COIL UNIT SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	DISCHARGE	SUPPLY AIR								COOLING COIL											HEATING COIL					FILTRATION			ELECTRICAL						OPER. WEIGHT (LB)	NOTES
					CFM	MIN OA CFM	TSP (in-wg)	ESP (in-wg)	RPM	DRIVE	BHP	MOTOR HP	EAT (DB °F)	EAT (WB °F)	LAT (DB °F)	LAT (WB °F)	FACE VEL (FPM)	APD ("WC)	FLUID TYPE	GPM	EWT (°F)	LWT (°F)	MAX WPD (FT)	ROWS	TOTAL MBH	SENSIBLE MBH	EAT (°F)	LAT (°F)	GPM	EWT (°F)	LWT (°F)	WPD (FT)	TYPE	MERV	DEPTH (IN)	VOLT	PH	MCA	MOP	FLA		
BCU-3A	LOBBY	TRANE	BCVE120	HORIZONTAL	3100	600	2	1.5	1232	DIRECT	1.856	2.8	77	64	54.6	54	406	0.4	WATER	19.3 GPM	44	54	3.21	4	92.03	76.33	60	104	6.2	140	92.4	0.4	PLEATED	8	2"	208	3	14	25	11	505	1, 2

GENERAL REQUIREMENTS:

1. DISCONNECTS WILL MFGR PROVIDED

NOTES:

1. INTEGRATE TO EXISTING BMS SYSTEM. TCC TO COORDINATE WITH PERFORMANCE SERVICES TO UNLOCK BAS FOR INTEGRATION.
2. PROVIDE ECM.
3. PROVIDE STAINLESS STEEL CONDENSATE DRAIN PAN WITH WET SWITCH ALARM.

CABINET UNIT HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	CONFIGURATION	INLET	DISCHARGE	CFM	CAPACITY MBH	FLUID TYPE	ROWS	GPM	EWT (°F)	LWT (°F)	MAX. WPD (FT)	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL HZ	NOTES
CUH-1	TRANE	FFEB020	HORIZONTAL RECESSED	BOTTOM STAMPED	BOTTOM STAMPED	200	9.66	WATER	2	1.0	135.0	115.0	4.45	208	1	60	1, 2, 3
CUH-2	TRANE	FFEB030	HORIZONTAL RECESSED	BOTTOM STAMPED	BOTTOM STAMPED	400	15.42	WATER	2	1.6	135.0	115.0	10.13	208	1	60	1, 2, 3
CUH-3	TRANE	FFEB060	HORIZONTAL RECESSED	BOTTOM STAMPED	BOTTOM STAMPED	600	29.64	WATER	2	2.6	135.0	115.0	7.68	208	1	60	1, 2, 3

NOTES:

1. CONTROLLED BY BMS.
2. W/ MANUFACTURER PROVIDED 2-WAY CONTROL VALVE.
3. W/ UNIT MOUNTED THERMOSTAT.

UNIT HEATER (HYDRONIC) SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	CFM	HEATING COIL CAPACITY (MBH)	HEATING COIL GPM	HEATING COIL H2O DELTA T	HEATING COIL LAT (°F)	HEATING COIL MAX.WPD (FT)	HEATING COIL FLUID TYPE	MOTOR HP	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL HZ	ELECTRICAL MCA	ELECTRICAL FLA	NOTES
UH-1	STORAGE HEATING	STERLING	HS-036B	550	26.1	2.7	20	103	0.09	WATER	25 W	115	1	60	2	1	1, 2, 3

NOTES:

1. CONTROLLED BY BMS
2. INCLUDE 2-WAY MOTORIZED SHUTOFF VALVE
3. WALL MOUNTED THERMOSTAT

DIFFUSER SCHEDULE

MARK	MODEL	DESCRIPTION	BORDER TYPE	MATERIAL	NECK SIZE	NOTES
EG-1	50F	EGGCRATE EXHAUST GRILLE	LAY-IN	Aluminum - Titus - 26 White	8" X 8"	2
EG-2	350RL	DUCT MOUNTED EXHAUST GRILLE	SURFACE MOUNT	Steel - Titus - 26 White	6"x4"	4
EG-3	50F	EGGCRATE EXHAUST GRILLE	SURFACE MOUNT	Aluminum - Titus - 26 White	8" X 8"	1
R-1	45F	SIGHT PROOF EGGCRATE RETURN GRILLE	LAY-IN	Steel - Titus - 26 White	8" X 8"	3
R-2	45F	SIGHT PROOF EGGCRATE RETURN GRILLE	SURFACE MOUNT	Steel - Titus - 26 White	24"x24"	3
R-3	45F	SIGHT PROOF EGGCRATE RETURN GRILLE	SURFACE MOUNT	Steel - Titus - 26 White	22"x46"	5
S-2	OMNI	SQUARE PLAQUE DIFFUSER	LAY-IN	Steel - Titus - 26 White	8"ø	3
S-3	OMNI	SQUARE PLAQUE DIFFUSER	LAY-IN	Steel - Titus - 26 White	10"ø	3
S-4	300RL	DUCT MOUNTED SUPPLY GRILLE	SURFACE MOUNT	Steel - Titus - 26 White	12"x8"	4

GENERAL REQUIREMENTS:

1. MODELS BASED ON TITUS.
2. COORDINATE ALL BORDERS, CHANNELS, TRIMS AND AIR TERMINAL OPTIONS WITH APPLICABLE CEILING TYPE AND MOUNTING APPLICATION.

NOTES:

1. 12" X 12" MODULE SIZE
2. 24" X 12" MODULE SIZE
3. 24" X 24" MODULE SIZE
4. MOUNT AIR-TIGHT TO DUCT.
5. MOUNT 6" AFF. COORDINATE MOUNTING HEIGHT AND LOCATION WITH ANY CASEWORK, TROPHY CASE OR OTHER TRADES. ORIENT 45 DEGREE BLADES DOWN TO CREATE SIGHTPROOF APPEARENCE FROM STANDING HEIGHT.

FAN SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	TYPE	WHEEL DIA. (IN)	CFM	SONES	ESP (in-wg)	OV (FPM)	RPM	DRIVE	BHP	MOTOR HP	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL HZ	OPER. WEIGHT (LB)	NOTES
EF-1	UNIT A SOUTH LOCKER ROOMS	GREENHECK	G-140-VG	ROOFTOP DOWNBLAST	14 5/8	2205	14.1	0.67	1670	1444	Direct	0.61	1	115	1	60	88	1
EF-2	UNIT A SOUTH LOCKER ROOMS	GREENHECK	G-140-VG	ROOFTOP DOWNBLAST	14 5/8	1680	9.1	0.33	1273	1072	Direct	0.25	1	115	1	60	88	1
EF-3	A123,A126 STORAGE/ 128 CONCESSIONS	GREENHECK	G-105-VG	ROOFTOP DOWNBLAST	11 1/8	780	5.9	0.33	867	1179	Direct	0.09	1/4	115	1	60	54	1
EF-4	UNIT A NORTH LOCKER ROOMS	GREENHECK	CUE-160-VG	SIDEWALL UPBLAST	16 5/8	2975	17	0.8	1730	1308	Direct	0.85	2	208	1	60	141	1
EF-5	UNIT A NORTH LOCKER ROOMS	GREENHECK	CUE-140-VG	SIDEWALL UPBLAST	14 5/8	1625	10.4	0.5	945	1154	Direct	0.29	1/2	115	1	60	94	2

GENERAL REQUIREMENTS:

1. PROVIDE FACTORY INSTALLED DISCONNECT
2. PROVIDE GRAVITY BACKDRAFT DAMPERS.
3. BIRDSCREEN.
4. INTEGRATE TO EXISTING BMS.
5. PROVIDE ECM.

NOTES:

1. FAN TO RUN DURING OPERATING HOURS SET AT THE EXISTING BMS. INTERLOCK WITH OCCUPANCY SENSOR IN LARGEST AREA SERVED BY FAN TO ENABLE FAN WHEN OCCUPANCY IS DETECTED.
2. FAN TO RUN CONTINOUS.

SPLIT SYSTEM - INDOOR UNIT SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	CONFIGURATION	FAN DATA CFM	COOLING CAPACITY BTUH	COOLING REFRIGERANT	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL MCA	ELECTRICAL FLA	OPER. WEIGHT (LB)	NOTES
SSAC-1	A112 A.D. OFFICE	TRANE	TPEADA0181AA80A	DUCTED	600	18000	R454B	208	1	2.44	1.95	60	1, 2, 3, 6

SPLIT SYSTEM - OUTDOOR UNIT SCHEDULE

	SERVICE	MANUFACTURER	MODEL	NOMINAL TONS	COMPRESSOR DATA TYPE	COMPRESSOR DATA NUMBER	EFFICIENCY EER	EFFICIENCY SEER	EFFICIENCY HSPF	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL MCA	ELECTRICAL MOP	OPER. WEIGHT (LB)	NOTES
SSCU-1	A112 A.D. OFFICE	TRANE	TRUZA0181 KA70NA	1.5	TWIN ROTARY	1	10.8	19.9	10.2	208	1	11	28	100	4, 5

NOTES:

1. INDOOR UNIT SHALL BE WALL-HUNG CONFIGURATION WITH MOUNTING BRACKETS
2. PROVIDE AN INTEGRAL FACTORY CONDENSATE PUMP
3. SPACE TEMPERATURE SENSOR SHALL BE HARD-WIRED
4. OUTDOOR UNIT SHALL BE CAPABLE OF HIGH HEATING CAPACITIES AT LOW OA TEMPERATURES, SIMILAR TO TRANE HYPER HEAT MODELS.
5. OUTDOOR UNIT SHALL BE MOUNTED 4' ABOVE GRADE ON EXTERIOR WALL.
6. PROVIDE 2 POSITION OA DAMPER TO OPEN 100% WHEN SPACE OCCUPANCY SENSOR INDICATES OCCUPANCY. OA DAMPER OPENING TO 100% WHEN SPLIT SYSTEM FAN ENABLES IS ALSO AN ACCEPTABLE SOLUTION. DESIGN INTENT IS FOR THE OA DAMPER TO BE 100% OPEN WHEN THE SPACE/UNIT IS BEING USED. OA DAMPER SHALL BE CLOSED ALL OTHER TIMES.

VENTILATOR (INTAKE) SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	TYPE	CFM	THROAT VELOCITY (FPM)	THROAT SIZE (IN x IN)	THROAT AREA (SQ FT)	APD (in-wg)	OPER. WEIGHT (LB)	NOTES
IV-3A	BCU-3A VENTILATION AIR	GREENHECK	GRSI-16	GRAVITY	600	414	16	1.5	.026	30	1, 2, 3, 4

GENERAL REQUIREMENTS:

1. CONTRACTOR SHALL VERIFY DUCTWORK CONNECTION SIZES AND COORDINATE LOCATION PRIOR TO ORDERING.
2. SEAL ROOF PENETRATION WATER-TIGHT.

NOTES:

1. BIRDSCREEN
2. 24" PRE-INSULATED ROOF CURB TO MATCH ROOF SLOPE
3. BACKDRAFT DAMPER
4. ANTI-CONDENSATE COATING

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WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
01.16.2025 ADDENDUM 001
01.22.2025 ADDENDUM 002
03.24.2025 BULLETIN 002

DRAWN GSH
REVIEWED LDE

PROJECT NO. 5-6394

MECHANICAL SCHEDULES

M9.01

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WALLBOX SCHEDULE

TYPE	DESCRIPTION
WB1	FSR PWB-CMUB OR APPROVED EQUAL - PROVIDED WITH: • (2) DUPLEX RECEPTACLES • 1" CONDUIT TO ABOVE CEILING FOR COMMUNICATIONS (CABLING BY OWNER) • 1-1/2" CONDUITS TO ABOVE CEILING FOR TECHNOLOGY (CABLING BY OWNER)
WB2	LEGRAND (WIREMOLD) EFSB4 OR APPROVED EQUAL - PROVIDED WITH: • (2) DUPLEX RECEPTACLES • 1" CONDUIT TO ABOVE CEILING FOR COMMUNICATIONS (CABLING BY OWNER) • 1-1/2" CONDUITS TO ABOVE CEILING FOR TECHNOLOGY (CABLING BY OWNER)

FLOORBOX SCHEDULE

TYPE	DESCRIPTION
FB1	TYPICAL 6" SQUARE (COVER) FLUSH FLOORBOX - PROVIDE WITH: • TWO DUPLEX RECEPTACLES • SINGLE-GANG COMPARTMENT WITH 1" CONDUIT TO SOUND SYSTEM RACK LOCATION • TWO-GANG COMPARTMENT WITH 2" CONDUIT TO SOUND SYSTEM RACK LOCATION

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
ACC	ACCESSORY
ADO	AUTOMATIC DOOR OPERATOR
AHU	AIR HANDLING UNIT
ATS	AUTOMATIC TRANSFER SWITCH
BKR	BREAKER
BOB	BOTTOM OF BOX
BOD	BOTTOM OF DECK
BOS	BOTTOM OF STRUCTURE
BP	BREAKER PANEL
BLDG	BUILDING
CAP	CAPACITY
CIN	LIGHTING CONTROL INTENT NARRATIVE
CLG	CEILING
CKT	CIRCUIT
CB	CIRCUIT BREAKER
C	CONDUIT
COMM	COMMUNICATIONS
CONN	CONNECTION
CONST	CONSTRUCTION
CONTR	CONTRACT (OR)
CLL	CONTRACT LIMIT LINE
CT	CURRENT TRANSFORMER
E.C.	ELECTRICAL CONTRACTOR
EGC	EQUIPMENT GROUNDING CONDUCTOR
EHD	ELECTRIC HAND DRYER
ELEC	ELECTRIC (AL)
EWC	ELECTRIC WATER COOLER
EM	EMERGENCY
ENT	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
EX	EXISTING
F	FLUSH
FA	FIRE ALARM
FSE	FOOD SERVICE EQUIPMENT
FP	FIRE PROOF / FIRE PROTECTION
FLR	FLOOR
FLUOR	FLUORESCENT
GEC	GROUNDING ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRD	GROUND
HORIZ	HORIZONTAL
HTR	HEATER
HTG	HEATING
HV	HEATING / VENTILATING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HOA	HAND - OFF - AUTOMATIC
HP	HEAT PUMP
INTLK	INTERLOCK
JCT	JUNCTION
JB	JUNCTION BOX
KW	KILOWATT
KWH	KILOWATT HOUR
KO	KNOCK OUT
LBL	LABEL
LT	LIGHT
LC	LIGHTING CONTROL
LCM	LIGHTING CONTROL MODULE
LCP	LIGHTING CONTROL PANEL
LTG	LIGHTING
MAX	MAXIMUM
MBJ	MAIN BONDING JUMPER
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
MTS	MANUAL TRANSFER SWITCH
NEC	NATIONAL ELECTRICAL CODE
NEG	NEGATIVE (-)
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
OCPD	OVERCURRENT PROTECTIVE DEVICE
PC	PHOTOCELL / PHOTOCONTROL
POS	POSITIVE (+)
PWR	POWER
P & L	POWER & LIGHTING
S	SURFACE
SBJ	SYSTEM BONDING JUMPER
S.B.O.	SUPPLIED BY OTHERS
SP	SINGLE POLE
SPD	SURGE PROTECTION DEVICE
SPKR	SPEAKER
SPEC	SPECIFICATION
SSBJ	SUPPLY-SIDE BONDING JUMPER
SUB	SUBSTITUTE
SWBD	SWITCHBOARD
TEL	TELEPHONE
TSTAT	THERMOSTAT
XFMR	TRANSFORMER
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WITH
W/O	WITHOUT
WG	WIRE GUARD
WL	WET LOCATION
WP	WEATHER PROOF

MAXIMUM CONDUCTOR LENGTHS FOR TYPICAL BRANCH CIRCUITS

ONE-WAY LENGTH (FEET) BASED ON SINGLE PHASE, 20A CIRCUIT, 75% LOAD, 100% P.F., IN STEEL CONDUIT, 3% VOLTAGE DROP

CIRCUIT VOLTAGE	CONDUCTOR SIZE				
	#12 AWG	#10 AWG	#8 AWG	#6 AWG	#4 AWG
120	60	100	150	245	385
208	100	170	265	425	670
277	135	230	355	565	890
480	240	400	615	980	

ONE-WAY LENGTH (FEET) BASED ON SINGLE PHASE, 30A CIRCUIT, 75% LOAD, 100% P.F., IN STEEL CONDUIT, 3% VOLTAGE DROP

CIRCUIT VOLTAGE	CONDUCTOR SIZE			
	#10 AWG	#8 AWG	#6 AWG	#4 AWG
120	60	100	150	245
208	100	170	265	425
277	135	230	355	565
480	240	400	615	980

ONE-WAY LENGTH (FEET) BASED ON THREE PHASE, 20A CIRCUIT, 75% LOAD, 100% P.F., IN STEEL CONDUIT, 3% VOLTAGE DROP

CIRCUIT VOLTAGE	CONDUCTOR SIZE				
	#12 AWG	#10 AWG	#8 AWG	#6 AWG	#4 AWG
208	120	200	305	490	775
480	275	460	710	1,130	

ONE-WAY LENGTH (FEET) BASED ON THREE PHASE, 30A CIRCUIT, 75% LOAD, 100% P.F., IN STEEL CONDUIT, 3% VOLTAGE DROP

CIRCUIT VOLTAGE	CONDUCTOR SIZE			
	#10 AWG	#8 AWG	#6 AWG	#4 AWG
208	120	200	305	490
480	275	460	710	1,130

COMMUNICATIONS SYMBOL LEGEND

- COMMUNICATIONS OUTLET ROUGH-IN
- COMMUNICATIONS OUTLET, CEILING-MOUNTED
- COMMUNICATIONS OUTLET, FLOOR-MOUNTED
- CEILING-MOUNTED VIDEO PROJECTOR
- COMMUNICATIONS EQUIPMENT RACK, FLOOR-MOUNTED 2-POST
- COMMUNICATIONS EQUIPMENT RACK, FLOOR-MOUNTED 4-POST
- COMMUNICATIONS EQUIPMENT RACK, WALL-MOUNTED
- CONDUIT SLEEVE FOR COMMUNICATIONS CABLING, 2" DIA. OR EQUIV. FREE AREA TYP. UNLESS NOTED OTHERWISE. IN FIRE-RATED AND/OR SMOKE BARRIER WALLS, REFER TO SPECIFICATIONS FOR ACCEPTABLE FIRESTOP AND SMOKE SEAL PRODUCTS.
- LOUDSPEAKER, CEILING-MOUNTED, TYPE 1
- LOUDSPEAKER, WALL-MOUNTED, TYPE 1
- INTERCOM SYSTEM CALL STATION BUTTON
- VOLUME CONTROL FOR AUDIO SYSTEM, PAGING, OR INTERCOM LOUDSPEAKERS
- SECONDARY CLOCK, CEILING-MOUNTED, TYPE 1
- SECONDARY CLOCK, WALL-MOUNTED, TYPE 1
- SIGNALING BELL

NOTE: NOT ALL SYMBOLS ARE NECESSARILY USED

POWER SYMBOL LEGEND

- THREE PHASE MOTOR CONNECTION, 5 HORSEPOWER (EXAMPLE)
- SINGLE PHASE MOTOR CONNECTION, 1/2 HORSEPOWER (EXAMPLE)
- HVAC CONTROL DAMPER ACTUATOR CONNECTION
- HVAC SMOKE DAMPER ACTUATOR CONNECTION
- HVAC COMBINATION FIRE/SMOKE DAMPER ACTUATOR CONNECTION
- SAFETY SWITCH DISCONNECTING MEANS, NOT FUSIBLE
- SAFETY SWITCH DISCONNECTING MEANS, FUSIBLE
- COMBINATION MOTOR STARTER AND FUSIBLE DISCONNECTING MEANS
- VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECTING MEANS
- MOTOR STARTER
- BOX-COVER FUSIBLE DISCONNECT SWITCH
- MANUAL MOTOR CONTROLLER
- POWER SWITCH, REFER TO LIGHTING SYMBOL LEGEND FOR SIMILAR SWITCH TYPES
- DIRECT ELECTRICAL CONNECTION
- SINGLE NEMA 5-20R RECEPTACLE
- SINGLE NEMA 5-20R RECEPTACLE, CEILING-MOUNTED
- SINGLE NEMA 5-20R RECEPTACLE, FLOOR-MOUNTED
- DUPLEX NEMA 5-20R RECEPTACLE
- "E" NOTATION: REPLACE EXISTING WIRING DEVICE USING EXISTING OUTLET BOX
- "GFCI" NOTATION: GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLE
- "S" NOTATION: SURFACE-MOUNTED
- "WL" NOTATION: PROVIDE WEATHER RESISTANT (WR) GFCI RECEPTACLE WITH EXTRA-DUTY WHILE-IN-USE WET LOCATION COVER
- DUPLEX NEMA 5-20R RECEPTACLE, CEILING-MOUNTED
- DUPLEX NEMA 5-20R RECEPTACLE, FLOOR-MOUNTED
- DUPLEX NEMA 5-20R RECEPTACLE, CONNECTED TO STANDBY POWER BRANCH CIRCUIT
- DUPLEX NEMA 5-20R RECEPTACLE, SPLIT-WIRED
- QUADRUPLEX (DOUBLE DUPLEX) NEMA 5-20R RECEPTACLE
- QUADRUPLEX (DOUBLE DUPLEX) NEMA 5-20R RECEPTACLE, CEILING-MOUNTED
- QUADRUPLEX (DOUBLE DUPLEX) NEMA 5-20R RECEPTACLE, FLOOR-MOUNTED
- RECEPTACLE OTHER THAN NEMA 5-20R (MAY BE MULTI-POLE OR MULTI-PHASE), SEE PLAN FOR TYPE
- RECEPTACLE OTHER THAN NEMA 5-20R (MAY BE MULTI-POLE OR MULTI-PHASE), SEE PLAN FOR TYPE, FLOOR-MOUNTED
- SURFACE RACEWAY SYSTEM
- AUTOMATIC TRANSFER SWITCH
- NON-AUTOMATIC TRANSFER SWITCH
- MANUAL TRANSFER SWITCH
- SWITCHBOARD / SWITCHGEAR
- PANELBOARD
- TRANSFORMER
- MOTOR CONTROL CENTER
- EMERGENCY STOP STATION, REFER TO DETAIL FOR REQUIREMENTS.
- AUTOMATIC DOOR OPERATOR PUSH BUTTON
- ON/OFF PUSH BUTTON
- THREE-FUNCTION PUSH BUTTON
- FLOORBOX, TYPE 1
- JUNCTION BOX
- METER
- THERMOSTAT ROUGH-IN
- RELAY
- ENCLOSED CONTROL CONTACTOR

NOTE: NOT ALL SYMBOLS ARE NECESSARILY USED

LIGHTING SYMBOL LEGEND

- SINGLE POLE TOGGLE SWITCH
- DOUBLE POLE TOGGLE SWITCH
- THREE-WAY TOGGLE SWITCH
- FOUR-WAY TOGGLE SWITCH
- SINGLE POLE SWITCH WITH INTEGRAL OCCUPANCY SENSOR
- SINGLE POLE SWITCH WITH INTEGRAL OCCUPANCY SENSOR AND DIMMER
- WALL-BOX DIMMER SWITCH
- THREE-WAY WALL-BOX DIMMER SWITCH
- ELECTRONIC INTERVAL TIMER SWITCH
- LIGHT SWITCH WITH PILOT LIGHT
- LIGHTING CONTROL SWITCH, REFER TO LIGHTING CONTROL SWITCH SCHEDULE AND SPECIFICATIONS FOR DETAILS.
- DOUBLE-THROW (MAINTAINED) LIGHT SWITCH
- KEY-OPERATED SWITCH (SUFFIX DESIGNATION – NONE: SINGLE POLE, 2: DOUBLE-POLE, 3: THREE-WAY, 4: FOUR-WAY)
- LOCKING SWITCH (SUFFIX DESIGNATION – NONE: SINGLE-POLE, 2: DOUBLE-POLE, 3: THREE-WAY, 4: FOUR-WAY)
- TOUCHSCREEN PANEL
- CIRCUIT NUMBER FOR LIGHT FIXTURES WITHIN INDICATED SPACE
- WALL-MOUNTED LIGHTING FIXTURE, TYPE 'A'
- RECESSED LIGHTING FIXTURE, TYPE 'A'
- SURFACE-MOUNTED LIGHTING FIXTURE, TYPE 'A'
- TRACK LIGHTING
- SINGLE FACE EXIT SIGN, TYPE "X1" IN SCHEDULE UNLESS OTHERWISE NOTED, SHADING INDICATES FACE ORIENTATION
- DOUBLE FACE EXIT SIGN, TYPE "X2" IN SCHEDULE UNLESS OTHERWISE NOTED, SHADING INDICATES FACE ORIENTATION
- WALL-MOUNTED EXIT SIGN, SHADING INDICATES FACE ORIENTATION
- EMERGENCY LIGHT FIXTURE DESIGNATION
- EMERGENCY LIGHTING AUTOMATIC LOAD CONTROL RELAY
- LIGHTING CONTROL RELAY
- LIGHTING CONTROL ENCLOSED CONTACTOR
- TIME SWITCH
- LIGHTING CONTROL MODULE
- LIGHTING CONTROL PANEL
- EMERGENCY LIGHTING INVERTER, TYPE 1
- WALL-MOUNTED OCCUPANCY SENSOR
- CEILING-MOUNTED OCCUPANCY SENSOR
- WALL-MOUNTED PHOTOCELL FOR ON/OFF CONTROL
- CEILING-MOUNTED PHOTOCELL FOR ON/OFF CONTROL
- WALL-MOUNTED PHOTOSENSOR FOR DAYLIGHT HARVESTING DIMMING CONTROL
- CEILING-MOUNTED PHOTOSENSOR FOR DAYLIGHT HARVESTING DIMMING CONTROL
- POLE-MOUNTED SITE/AREA FIXTURE
- SELF-CONTAINED EMERGENCY LIGHTING UNIT

NOTE: NOT ALL SYMBOLS ARE NECESSARILY USED

FIRE DETECTION & ALARM SYMBOL LEGEND

- AUDIBLE NOTIFICATION APPLIANCE, WALL-MOUNTED
- VISUAL NOTIFICATION APPLIANCE, WALL-MOUNTED
- AUDIBLE/VISUAL NOTIFICATION APPLIANCE, WALL-MOUNTED
- AUDIBLE NOTIFICATION APPLIANCE, CEILING-MOUNTED
- VISUAL NOTIFICATION APPLIANCE, CEILING-MOUNTED
- AUDIBLE/VISUAL NOTIFICATION APPLIANCE, CEILING-MOUNTED
- FIRE PROTECTION OR ALARM BELL
- MANUAL PULL STATION
- SMOKE DETECTOR
- HEAT DETECTOR
- DUCT SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- KEYED TEST SWITCH AND REMOTE INDICATOR FOR DUCT SMOKE DETECTOR
- FIRE PROTECTION FLOW SWITCH; PROVIDE SUPERVISED INPUT TO FIRE ALARM SYSTEM
- PRESSURE SWITCH; PROVIDE SUPERVISED INPUT TO FIRE ALARM SYSTEM
- FIRE PROTECTION TAMPER SWITCH; PROVIDE SUPERVISED INPUT TO FIRE ALARM SYSTEM
- ELECTROMAGNETIC DOOR HOLD-OPEN DEVICE
- ADDRESSABLE RELAY FOR FIRE ALARM CONTROL
- NAC — NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLY
- FAA — FIRE ALARM REMOTE ANNUNCIATOR
- FACP — FIRE ALARM CONTROL PANEL
- WG/PC — WHERE "WG/PC" IS NOTED, PROVIDE LISTED WIRE GUARD OR PROTECTIVE POLYCARBONATE COVER FOR DAMAGE RESISTANCE OF ASSOCIATED DEVICE
- WL — WHERE "WL" IS NOTED, PROVIDE LISTED WET-LOCATION VERSION OF ASSOCIATED DEVICE, SUITABLE FOR INDOOR OR OUTDOOR USE

NOTE: NOT ALL SYMBOLS ARE NECESSARILY USED

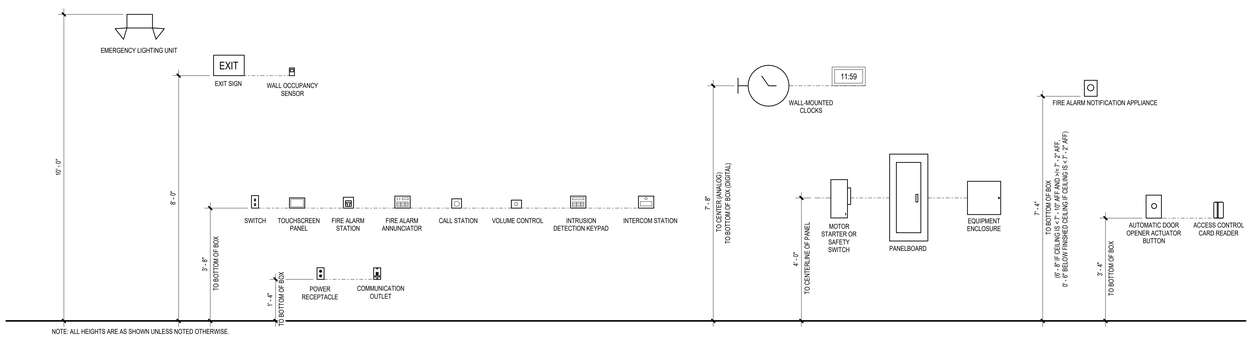
ELECTRONIC SAFETY / SECURITY SYMBOL LEGEND

- DC — DOOR CONTACT
- EL — ELECTRONIC LATCH
- ES — ELECTRONIC STRIKE
- K — INTRUSION DETECTION KEYPAD
- IC — INTERCOM STATION
- SC — WALL-MOUNTED SURVEILLANCE CAMERA COMMUNICATIONS ROUGH-IN
- SC — CEILING-MOUNTED SURVEILLANCE CAMERA COMMUNICATIONS ROUGH IN
- SC1 — WALL-MOUNTED SURVEILLANCE CAMERA, TYPE 1
- SC — CEILING-MOUNTED SURVEILLANCE CAMERA, TYPE 1
- ID — WALL-MOUNTED INFRARED MOTION DETECTOR
- ID — CEILING-MOUNTED INFRARED MOTION DETECTOR
- UD — WALL-MOUNTED ULTRASONIC MOTION DETECTOR
- UD — CEILING-MOUNTED ULTRASONIC MOTION DETECTOR
- CR — CARD READER
- CR_M — CARD READER, MULLION-MOUNTED
- XXXXX — ACCESS CONTROL DOOR TAG, REFER TO HARDWARE SCHEDULE(S) IN SECTION 08 71 00 AND/OR SECTION 28 10 00 FOR FURTHER DETAILED REQUIREMENTS
- ACS — ACCESS CONTROL SYSTEM EQUIPMENT
- IDS — INTRUSION DETECTION SYSTEM EQUIPMENT
- PSU — POWER SUPPLY UNIT

NOTE: NOT ALL SYMBOLS ARE NECESSARILY USED

ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE AS AMENDED AND ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION WHERE THE WORK IS PERFORMED.
2. ALL "LOW-VOLTAGE" CONTROLS, COMMUNICATIONS, AND SAFETY/SECURITY CABLING MAY BE INSTALLED WITHOUT CONDUIT, RACEWAY, OR CABLE TRAY ONLY WHERE CONCEALED ABOVE A SUSPENDED CEILING SYSTEM AND ACCESSIBLE FOR FUTURE MAINTENANCE. OTHERWISE, ALL CABLING (INCLUDING BUT NOT LIMITED TO CABLES ASSOCIATED WITH SYSTEMS SUCH AS ARCHITECTURAL EQUIPMENT, BUILDING ENERGY MANAGEMENT, TEMPERATURE CONTROLS, LIGHTING CONTROLS, COMMUNICATIONS NETWORKS, TELEPHONE, AUDIO-VIDEO, INTERCOM, PAGING, CLOCK, SURVEILLANCE, ACCESS CONTROL, FIRE ALARM, ETC.) SHALL BE INSTALLED IN AN APPROVED CONDUIT, RACEWAY SYSTEM, AND/OR CABLE TRAY UNLESS OTHERWISE NOTED. IN EXPOSED STRUCTURE CEILING AREAS, CONCEALED INSTALLATION OF CABLES IN RACEWAYS SHALL BE REQUIRED FOR AESTHETIC REASONS. REFER TO REFLECTED CEILING PLANS FOR LOCATION(S). THIS APPLIES TO ALL TRADES AND WORK CATEGORIES. EXCEPTIONS:
   A. DEDICATED MECHANICAL AND/OR ELECTRICAL ROOMS ABOVE 8'-0" AFF
   B. DEDICATED TELECOMMUNICATIONS ROOMS
3. ALL DEVICES SHOWN TO BE INSTALLED ON EXISTING WALLS SHALL BE INSTALLED FLUSH. CUT IN BOXES AND FISH WALLS WITH FLEXIBLE CONDUIT AS REQUIRED. DOCUMENT AND COORDINATE EXCEPTIONS WITH ARCHITECT/ENGINEER IN WRITING FOR REVIEW IN FIELD. IF WALL IS PROVEN NOT ABLE TO BE FISHED, PROVIDE SURFACE RACEWAY SYSTEMS PER SECTION 26 05 33.23, SHALL BE PROVIDED BY THE CONTRACTOR. SUCH COSTS SHALL BE INCLUDED IN BID. SURFACE-MOUNTED CONDUIT IS NOT ACCEPTABLE WHERE EXPOSED TO VIEW IN SPACES OTHER THAN DEDICATED MECHANICAL/ELECTRICAL ROOMS.
4. "LOW-VOLTAGE" CONTROLS, COMMUNICATIONS, AND SAFETY/SECURITY CABLING SHALL NOT BE PAINTED. CONTRACTORS INSTALLING CABLING WHERE APPROVED FOR EXPOSED INSTALLATION SHALL INSTALL CABLES AFTER PAINTING HAS BEEN COMPLETED OR PROVIDE TEMPORARY PROTECTION OF CABLES UNTIL PAINTING HAS BEEN COMPLETED. PROVIDE TEMPORARY PROTECTION OF ANY EXISTING CABLING PRIOR TO PAINTING EXISTING AREAS. PAINTED CABLES SHALL BE REPLACED AT THE EXPENSE OF THE NEGLIGENT CONTRACTOR.
5. METAL CLAD CABLE MAY BE USED FOR FIXTURE WHIPS IN LENGTHS OF 6 FEET OR LESS ABOVE AN ACCESSIBLE SUSPENDED CEILING SYSTEM ONLY. OTHERWISE, METAL CLAD OR OTHER FLEXIBLE CABLE TYPES SHALL NOT BE USED UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER. IT IS THE INTENT OF THESE CONTRACT DOCUMENTS THAT ALL INSTALLED BRANCH CIRCUITS CONSIST OF SEPARATE RACEWAY AND CONDUCTORS ALLOWING REMOVAL AND REPLACEMENT OF WIRING AS REQUIRED FOR FUTURE UPGRADES. REFER TO SPECIFICATIONS FOR EXCEPTIONS.
6. CIRCUIT WIRING FOR ARTICLE 700 EMERGENCY SYSTEMS AND ARTICLE 708 CRITICAL OPERATIONS POWER SYSTEMS SHALL BE INSTALLED IN SEPARATE CONDUITS/RACEWAYS AND BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT PER NEC REQUIREMENTS.
7. ALL FEEDERS AND BRANCH CIRCUITS SHALL CONTAIN AN EQUIPMENT GROUNDING CONDUCTOR SIZED ACCORDING TO THE NEC RACEWAYS INCLUDING CONDUITS, BOXES, WIREWAYS, ETC. SHALL NOT BE CONSIDERED AN ACCEPTABLE GROUND.
8. CONDUITS AND CABLING SHALL NOT BE INSTALLED WITHIN 4" OF ROOF DECK, EXCEPT AS NECESSARY TO SERVE ROOF-MOUNTED ITEMS AND ONLY WHEN THE CONDUIT OR CABLE IS ROUTED VERTICALLY TO SUCH EQUIPMENT FROM BELOW. CLEARANCE SHALL BE PERMITTED TO BE REDUCED TO 1 1/2" WHERE SUPPLEMENTAL METAL FRAMING MEMBERS PROVIDE AN EFFECTIVE BARRIER BETWEEN THE ROOF DECK AND ANY CONDUIT/CABLING.
9. SUPPLEMENTAL METAL FRAMING SHALL BE PROVIDED FOR SUSPENSION POINTS OF ALL ITEMS LOCATED BETWEEN STRUCTURAL MEMBERS (JOISTS, TRUSSES, BEAMS, ETC.) IN OPEN/VISIBLE STRUCTURE CEILING OR SUPPORT COLUMN AREAS. METAL FRAMING SHALL SPAN ACROSS THE TOP CHORD OR FLANGE OF OVERHEAD STRUCTURAL MEMBERS FOR BOTH STRUCTURAL AND AESTHETIC PURPOSES. SPECIFIC EXCEPTIONS SHALL BE COORDINATED IN WRITING WITH THE ARCHITECT/ENGINEER.
10. CONDUIT INSTALLED WITHIN INACCESSIBLE CONSTRUCTION SHALL BE 3/4" MINIMUM SIZE.
11. FEEDERS SHOWN ON DRAWINGS ARE SCHEMATIC ONLY. CONDUIT RUNS SHALL COMPLY WITH CONDUIT SPECIFICATIONS AND CONTAIN BENDS THAT ARE NO GREATER THAN 90 DEGREES. CONDUITS INSTALLED ABOVE GRADE SHALL BE RUN PARALLEL TO, OR PERPENDICULAR WITH, BUILDING STEEL AND/OR ARCHITECTURAL LINES.
12. CONTRACTOR(S) SHALL VERIFY COLOR/FINISH OF WIRING DEVICES, DEVICE FACEPLATES, SURFACE RACEWAY SYSTEMS, AND/OR MULTI-OUTLET ASSEMBLIES WITH ARCHITECT/ENGINEER IF NOT EXPLICITLY SPECIFIED.
13. ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING LIGHTING FIXTURE MOUNTING LOCATIONS, ARRANGEMENTS, AND CEILING FINISHES.
14. ELECTRICAL CONTRACTOR SHALL ADJUST LIGHTING FIXTURE LOCATIONS IN MECHANICAL ROOMS TO ACCOMMODATE MECHANICAL EQUIPMENT, DUCTWORK, AND RELATED FIELD CONDITIONS.
15. CONTRACTOR(S) SHALL BE RESPONSIBLE TO REVIEW INTERIOR ELEVATION SHEETS FOR PLACEMENT OF DEVICE BOXES. COORDINATE LOCATIONS SO THAT NO DEVICES ARE INSTALLED BEHIND CASEWORK, MILLWORK, VISUAL DISPLAY BOARDS, MIRRORS, CUSTOM GRAPHICS, SIGNAGE, ETC.
16. ELECTRICAL CONTRACTOR SHALL REVIEW TOILET EQUIPMENT SHOP DRAWINGS AND ARCHITECTURAL DETAILS/ELEVATIONS FOR CORRECT DEVICE BOX ROUGH-IN LOCATION OF HAND DRYERS.
17. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR AND THE ELECTRIC WATER COOLER / BOTTLE FILLER SHOP DRAWINGS FOR MOUNTING HEIGHT AND CONNECTION METHOD OF PLUMBING EQUIPMENT POWER CONNECTIONS. READILY ACCESSIBLE GFCI PROTECTION SHALL BE PROVIDED FOR THE BRANCH CIRCUIT(S) SUPPLYING ALL SUCH UNITS PER NEC REQUIREMENTS.
18. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR DETAILED INFORMATION REGARDING EQUIPMENT AND CONTROL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING AND PROVIDING ITEMS AS SPECIFICALLY LISTED AND ASSIGNED ON MECHANICAL EQUIPMENT SCHEDULE SUCH AS DISCONNECT SWITCHES, VARIABLE FREQUENCY DRIVES, STARTERS, TIMERS, SWITCHES, ETC.
19. ELECTRICAL CONTRACTOR SHALL CONFIRM THE LOCATION OF THE EXHAUST FANS LISTED IN THE MECHANICAL EQUIPMENT SCHEDULES BY REFERRING TO MECHANICAL/HVAC PLANS.
20. REFER TO ROOF PLANS FOR EXACT LOCATIONS OF ROOF-TOP MECHANICAL EQUIPMENT.
21. PROVIDE FLUSH SINGLE-GANG BOXES IN WALLS FOR HVAC / TEMPERATURE CONTROL DEVICES, AT LEAST ONE PER OCCUPIABLE ROOM OR SPACE. INSTALL 3/4" CONDUIT RACEWAY FROM BOX TO CORRESPONDING TEMPERATURE CONTROL SYSTEM DEVICE OR CONTROLLED UNIT. REFER TO MECHANICAL DRAWINGS FOR PROPOSED LOCATIONS AND COORDINATE WITH MECHANICAL / TEMPERATURE CONTROLS CONTRACTOR'S SHOP DRAWINGS.
22. CABINET UNIT HEATERS MAY HAVE LINE-VOLTAGE THERMOSTATS SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. REFER TO MECHANICAL EQUIPMENT SCHEDULE.
23. DIVISION 26 CONTRACTOR SHALL PROVIDE CONDUIT SLEEVES WITH APPROPRIATE BUSHINGS FOR CONTROLS AND ELECTRONIC SAFETY/SECURITY CABLING THROUGH WALLS AND FLOORS. SLEEVE SIZES SHALL BE COORDINATED WITH CABLING REQUIREMENTS.
24. SECTION 27 05 28 CONTRACTOR SHALL PROVIDE DEDICATED CONDUIT SLEEVES WITH APPROPRIATE BUSHINGS THROUGH WALLS AND FLOORS FOR DIV. 27 COMMUNICATIONS AND DIV. 28 SAFETY/SECURITY CABLING. SLEEVE SIZE SHALL BE MINIMUM 2" DIA. OR EQUIVALENT FREE AREA UNLESS NOTED OTHERWISE. SPECIFIED CABLE PATHWAY PENETRATION DEVICES SHALL BE SUBSTITUTED FOR CONDUIT SLEEVES WHERE THERE IS A REQUIRED RATING IN THE CONSTRUCTED ASSEMBLY.
25. BUILDING SYSTEMS CABLING SHALL BE SLEEVED WHERE CABLES PASS THROUGH WALLS. NO CABLING SHALL PASS THROUGH OR OVER THE TOP OF WALL CONSTRUCTION WITHOUT THE USE OF A SLEEVE. DIVISION 26 CONTRACTOR SHALL PROVIDE SLEEVES (UNLESS OTHERWISE ASSIGNED) AND COORDINATE WITH ARCHITECTURAL TRADES DURING THE WALL CONSTRUCTION PROCESS. THIS REQUIREMENT APPLIES TO EXISTING CABLING IN FOOTPRINT OF ANY NEW WALLS; PROVIDE SPLIT SLEEVES IF CABLING CANNOT BE DISCONNECTED. FIELD-VERIFY QUANTITIES AND LOCATIONS, OR COORDINATE USE OF ALLOWANCES FOR SLEEVES WITH PROJECT ADMINISTRATIVE REQUIREMENTS.
26. PROVIDE DIRECT CONNECTIONS FROM DEDICATED LOCAL BRANCH CIRCUIT(S) TO ACCESS CONTROL SYSTEM AND DOOR HARDWARE POWER SUPPLIES WHERE REQUIRED FOR DOOR LOCK DEVICES, CONTROLLERS, ETC. REFER TO DOOR HARDWARE SCHEDULE AND ACCESS CONTROL SYSTEM SCHEDULE IN RESPECTIVE SPECIFICATIONS FOR QUANTITIES AND LOCATIONS.
27. ALL CONTROLS, COMMUNICATIONS, AND ELECTRONIC SAFETY/SECURITY CABLING SHALL BE PLENUM RATED ON THIS PROJECT.



NOTE: ALL HEIGHTS ARE AS SHOWN UNLESS NOTED OTHERWISE.

TYPICAL MOUNTING HEIGHTS FOR WALL DEVICES, EQUIPMENT, & FIXTURES

NOT TO SCALE

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2025.03.18

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

DRAWN JDM
REVIEWED SMS

PROJECT NO. 5-6394

ELECTRICAL SYMBOL LEGENDS & GENERAL NOTES

E0.01

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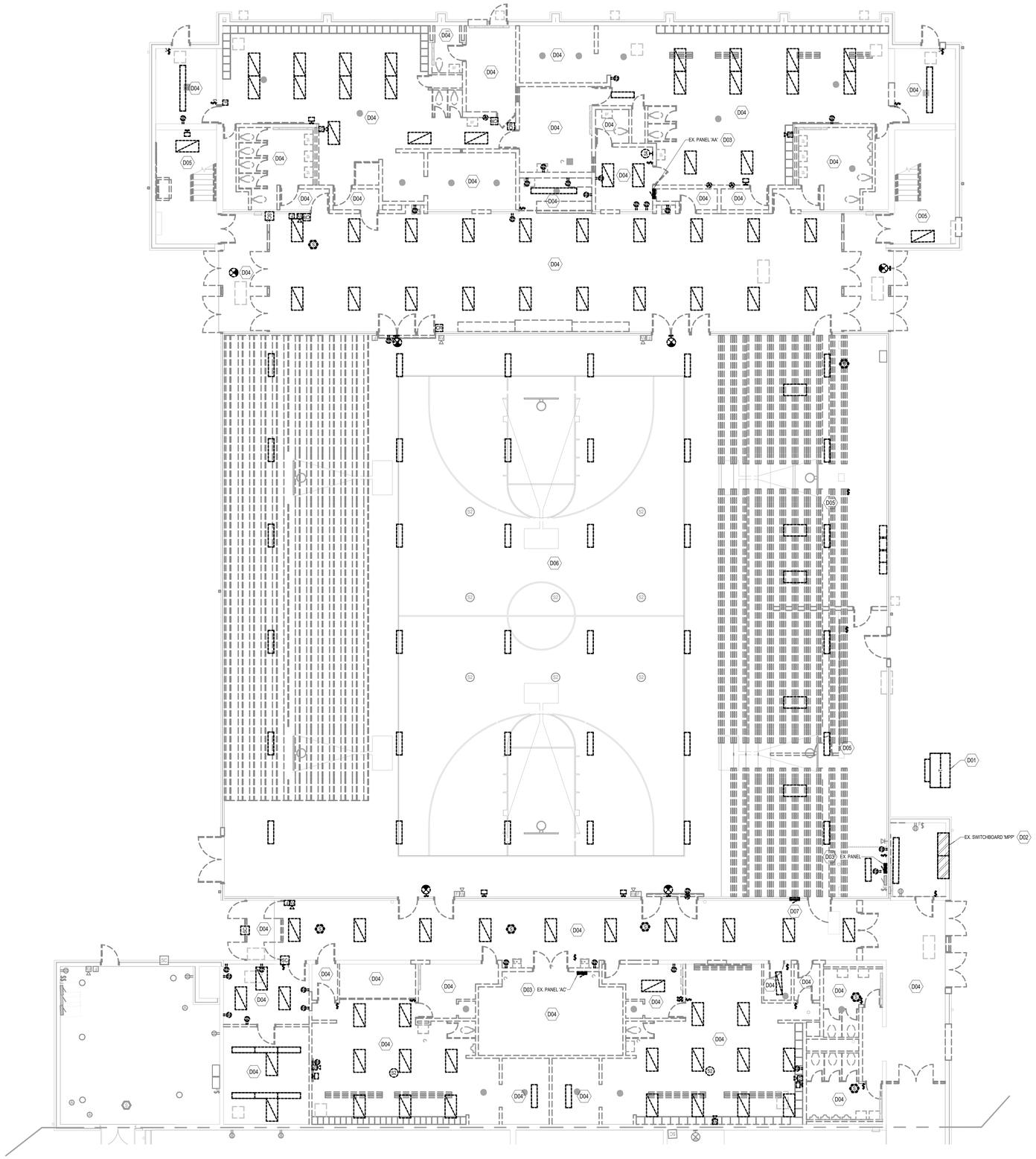


UNIT 'A' FIRST FLOOR ELECTRICAL DEMOLITION PLAN

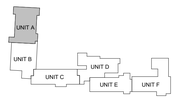
1/8" = 1'-0"

ELECTRICAL DEMOLITION GENERAL NOTES

1. REMOVE ALL ITEMS SHOWN ON DEMO PLAN, UNLESS OTHERWISE NOTED. REMOVE ALL UNUSED CONDUIT, RACEWAYS, WIRE, CABLE, CONTROLS, JUNCTION BOXES, DISCONNECTS, MOUNTS, AND RELATED ELECTRICAL ACCESSORIES COMPLETELY BACK TO SOURCE. REFER TO DEMOLITION SPECIFICATION.
2. MAKE PROVISIONS TO BACKFEED OR RE-CIRCUIT ANY ITEMS THAT ARE EXISTING TO REMAIN WHICH ARE AFFECTED BY THE DEMOLITIONS.
3. THE OWNER RESERVES THE RIGHT TO SALVAGE, WHOLE OR IN PART, ANY EQUIPMENT, SYSTEMS, AND/OR MATERIALS THAT ARE SCHEDULED FOR DEMOLITION PRIOR TO REMOVAL FROM THE BUILDING/SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTION AND GATHERING OF SUCH ITEMS TO A CENTRAL LOCATION AGREED UPON BY THE OWNER AND CONTRACTOR. ALL REMAINING EQUIPMENT AND/OR MATERIALS REMOVED AND NOT REUSED ON THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE BUILDING/SITE.
4. ALL EQUIPMENT AND/OR MATERIALS SLATED FOR REUSE SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE AND REINSTALLED AS WORK PROGRESSES.
5. ALL DEMOLITION SHOWN IS GATHERED FROM FIELD OBSERVATION AND/OR RECORD DRAWINGS. INVESTIGATION OF EXISTING SYSTEMS WILL BE REQUIRED BY THE CONTRACTOR AS PART OF THE BID PRICE, SO THAT THE EXACT EXTENT OF DEMOLITION CAN BE ACCURATELY DETERMINED. THE CONTRACTOR'S BID PRICE SHALL ALSO INCLUDE REMOVAL OF SOME PORTIONS OF SYSTEMS NOT EXPLICITLY SHOWN ON THIS DRAWING, BUT DISCOVERED DURING THE INVESTIGATION PROCESS. WHERE THE EXTENT OF DEMOLITION IS UNCLEAR, THE CONTRACTOR SHALL CONSULT WITH THE ARCHITECT/ENGINEER AND OWNER TO DETERMINE WHICH PORTIONS OF EXISTING SYSTEMS MUST REMAIN ACTIVE AND WHICH PORTIONS MUST BE DEMOLISHED.
6. CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATION AND SIZES OF EXISTING CONDUIT, WIRING, AND EQUIPMENT.
7. IF ASBESTOS OR PCB MATERIAL IS ENCOUNTERED IT WILL BE REMOVED BY THE OWNER.
8. LAMPS CONTAINING MERCURY (FLUORESCENT, METAL HALIDE, SODIUM VAPOR, MERCURY VAPOR, ETC.) SHALL BE DISPOSED OF IN A PROPER HAZARDOUS WASTE RECYCLING FACILITY.
9. PATCH AND REPAIR ALL FLOOR, WALL AND CEILING OPENINGS DUE TO DEMOLITION WHICH ARE NOT TO BE RE-USED TO MATCH EXISTING CONSTRUCTION.
10. CONTRACTOR SHALL PROTECT ALL WALLS, CEILINGS, FLOORS, LIGHTS, AND OTHER FINISHED SURFACES THAT ARE NOT TO BE REMOVED. IF DAMAGED, CONTRACTOR SHALL REPAIR TO MATCH EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
11. BACKFILLING SHALL PROMPTLY FOLLOW UNDERGROUND DEMOLITION OR REMOVAL WORK AND SHALL CONTINUE AS THE DEMOLITION PROGRESSES.
12. EXISTING CONDUIT SYSTEMS MAY BE REUSED FOR THE INSTALLATION OF NEW CONDUCTORS IF THEY ARE DEEMED TO BE IN GOOD CONDITION AND OF ADEQUATE SIZE FOR CODE-COMPLIANT INSTALLATION OF THE NEW CONDUCTORS. REVISE / REROUTE CONDUIT AS NECESSARY TO PROVIDE FEEDS PER POWER AND/OR LIGHTING PLANS.
13. PROVIDE BLANK COVER OVER ANY ABANDONED AND REMAINING ROUGH-INS OR JUNCTION BOXES TO MATCH EXISTING.
14. MAINTAIN ACCESS CONTROL DEVICES AT EVERY DOOR AND REINSTALL IN NEW DOOR. THIS APPLIES TO EVERY DOOR WITH ACCESS CONTROL THROUGHOUT BUILDING.
15. DEMOLISH FIRE ALARM SYSTEMS IN ENTIRETY INCLUDING ALL EQUIPMENT, DEVICES, AND WIRING. EXISTING PATHWAYS FOUND IN GOOD CONDITION MAY BE REUSED.

ELECTRICAL KEYNOTES

D01	COORDINATE WITH THE LOCAL UTILITY TO RELOCATE THE EXISTING UTILITY TRANSFORMER. DEMOLISH THE EXISTING SERVICE FEEDERS TO EXISTING SWITCHBOARD 'MPP'.
D02	DEMOLISH EXISTING SWITCHBOARD 'MPP'. MAINTAIN EXISTING FEEDERS AND EXTEND TO NEW SWITCHBOARD 'SB1' LOCATION.
D03	DEMOLISH EXISTING PANELBOARD AND FEEDER BACK TO SOURCE. MAINTAIN EXISTING BRANCH CIRCUITS AND EXTEND TO NEW PANELBOARD LOCATION.
D04	DEMOLISH ALL LIGHTING FIXTURES, LIGHTING CONTROLS, RECEPTACLES, COMMUNICATIONS OUTLETS, PUBLIC ADDRESS SPEAKERS, AND FIRE ALARM DEVICES WITHIN SPACE. SALVAGE ALL ACCESS CONTROL DEVICES AND SECURITY CAMERAS. DEMOLISH BRANCH CIRCUITS BACK TO SOURCE. DEMOLISH COMMUNICATIONS CABLING FOR OUTLETS AND SECURITY CAMERAS BACK TO SOURCE. DEMOLISH ALL SPEAKER CABLING. DEMOLISH ALL FIRE ALARM CABLING. MAINTAIN AND REUSE ACCESS CONTROL CABLING WHERE POSSIBLE.
D05	DEMOLISH ALL LIGHTING FIXTURES AND LIGHTING CONTROLS WITHIN SPACE. DEMOLISH LIGHTING BRANCH CIRCUITS BACK TO SOURCE. ALL OTHER CEILING MOUNTED DEVICES SHALL BE MAINTAINED AND REINSTALLED IN THE NEW CEILING UNLESS NOTED OTHERWISE.
D06	DEMOLISH ALL LIGHTING FIXTURES AND LIGHTING CONTROLS WITHIN GYMNASIUM. DEMOLISH LIGHTING BRANCH CIRCUITS BACK TO SOURCE.
D07	DEMOLISH PANEL AND ASSOCIATED FEEDER BACK TO SOURCE.



KEYPLAN

gmb Maze Design, Inc.

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2025.03.18

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION

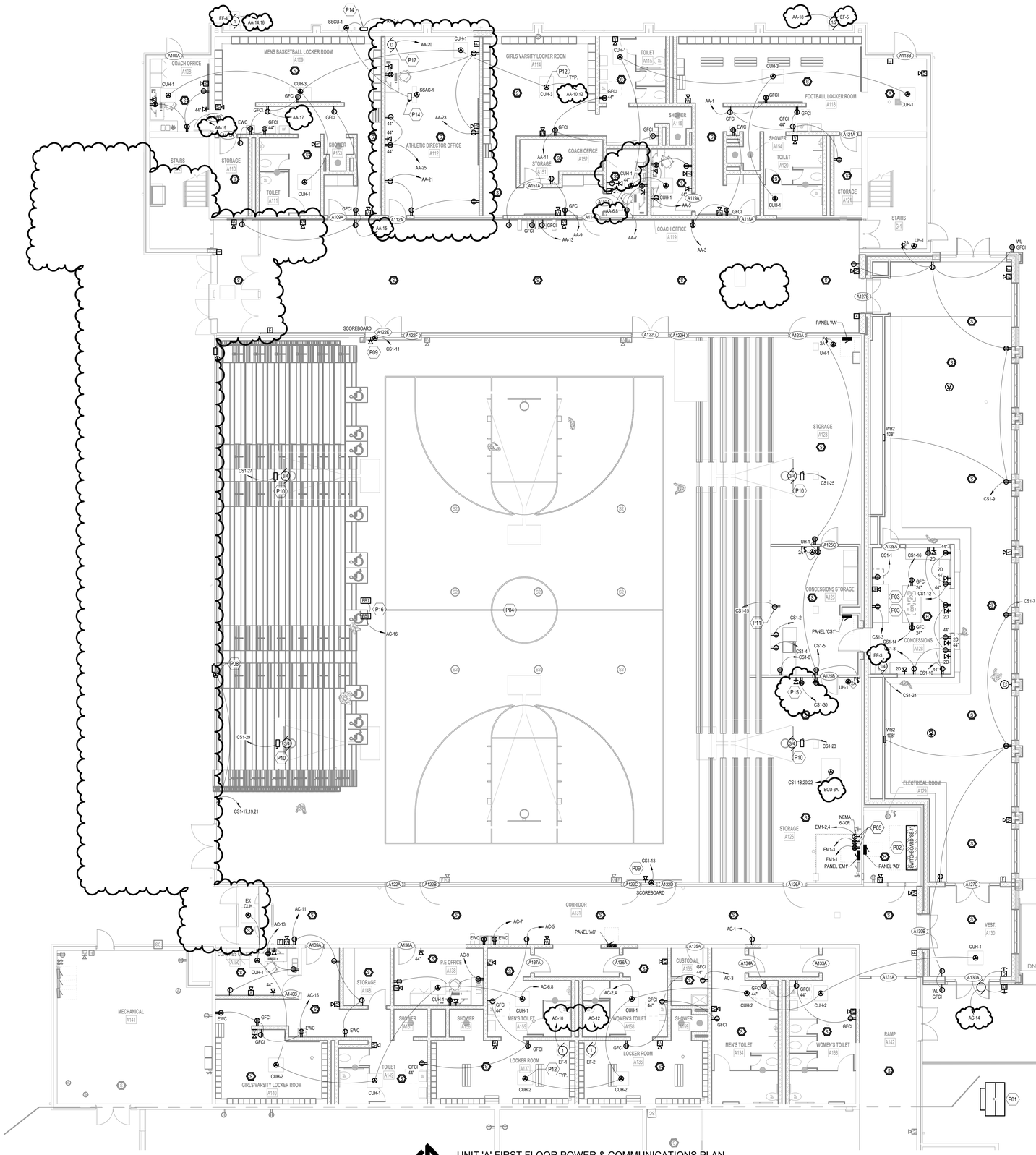
DRAWN JDM

REVIEWED SMS

PROJECT NO. 5-6394

UNIT 'A' FIRST FLOOR ELECTRICAL DEMOLITION PLAN

E1.1A



POWER & COMMUNICATION GENERAL NOTES

1. REFER TO ELECTRICAL GENERAL NOTES ON SHEET E0.01.
2. REFER TO CODE COMPLIANCE PLAN FOR LOCATIONS AND RATINGS OF VERTICAL AND HORIZONTAL BUILDING ASSEMBLIES. PROVIDE APPROPRIATE FIRESTOPPING SYSTEMS PER SPECIFICATIONS TO MEET ALL APPLICABLE CODES.
3. ALL GENERAL-USE 15- AND 20-AMPERE, 125- AND 250-VOLT NON-LOCKING RECEPTACLES SHALL BE TAMPER-RESISTANT TYPE; REFER TO NEC 406.12 AND SPECIFICATION SECTION 26 27 26.
4. PROVIDE 120VAC POWER FOR ALL SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS.
   A. REFER TO MECHANICAL/HVAC DRAWINGS FOR LOCATIONS AND QUANTITIES OF DAMPERS.
   B. CONNECT TO DEDICATED 20A BRANCH CIRCUIT (WITH BREAKER LOCK-ON ACCESSORY) IN LOCAL PANELBOARD FOR DAMPER(S) IN EACH AREA (DAMPERS MAY BE GROUPED ON EACH CIRCUIT).
   C. TERMINATE W/ BOX-COVER FUSIBLE DISCONNECT SWITCH AT EACH DAMPER.
   D. PROVIDE FIRE ALARM DUCT SMOKE DETECTOR WITHIN 5 FEET OF EACH DAMPER (UNLESS COVERED BY ANOTHER DUCT DETECTOR WITHIN 5 FEET).
   E. PROVIDE FIRE ALARM ADDRESSABLE RELAY(S) FOR INTERLOCKING DAMPER W/ CORRESPONDING HVAC UNIT(S) PER CODE REQUIREMENTS.
5. PROVIDE BOX-COVER FUSIBLE DISCONNECT SWITCH (ON BUILDING INTERIOR IN ACCESSIBLE LOCATION) FOR EACH SMALL (< 1/2 HP) MECHANICAL AND/OR PLUMBING EQUIPMENT MOTOR LOAD WHERE MORE THAN ONE UNIT IS CONNECTED TO A COMMON BRANCH CIRCUIT. TYPICAL EQUIPMENT TYPES INCLUDE BUT ARE NOT LIMITED TO CABINET HEATERS, DAMPERS, EXHAUST FANS, FAN COIL UNITS, PUMPS, UNIT HEATERS, VAV BOXES, ETC.
6. DESIGNATED CABLING PATHWAYS (CONDUITS, CABLE TRAYS, PENETRATION SLEEVES, ETC.) SHALL BE RESERVED FOR DIV. 27 COMMUNICATIONS CABLING AND DIV. 28 SAFETY/SECURITY CABLING ONLY. OTHER CABLING TYPES, SUCH AS DIV. 23 CONTROLS, DIV. 26 CONTROLS, AND ARCHITECTURAL EQUIPMENT CABLING SHALL BE SUPPORTED AND SLEEVED BY OTHER INDEPENDENT PATHWAYS, HANGERS, AND SUPPORTS.
7. PROVIDE INFRASTRUCTURE ONLY FOR COMMUNICATIONS, ACCESS CONTROL, AND FIRE ALARM SYSTEMS. DEVICES SHOWN TO PROVIDE QUANTITIES ONLY. COORDINATE FINAL LOCATIONS OF ALL DEVICES WITH INSTALLER PRIOR TO ROUGH-IN.

⬡	ELECTRICAL KEYNOTES
P01	COORDINATE WITH THE LOCAL UTILITY TO INSTALL THE RELOCATED EXISTING UTILITY TRANSFORMER. PROVIDE NEW SECONDARY FEEDERS FROM TRANSFORMER TO SWITCHBOARD 'SB1'.
P02	PROVIDE NEW SWITCHBOARD TO REPLACE THE EXISTING SWITCHBOARD 'MPP'. EXTEND EXISTING FEEDERS AS NECESSARY TO TERMINATE AT NEW SWITCHBOARD.
P03	MOUNT RECEPTACLES IN CASEWORK.
P04	REPLACE ALL RECEPTACLES AND FACEPLATES IN GYMNASIUM WITH NEW DEVICES.
P05	MOUNT RECEPTACLES BEHIND EX. TELECOMMUNICATIONS RACK WHERE DIRECTED BY THE OWNER.
P08	POWER SUPPLY FOR BLEACHERS. CONFIRM POWER REQUIREMENTS WITH SHOP DRAWINGS PRIOR TO ROUGH-IN.
P09	POWER SUPPLY AND COMMUNICATIONS ROUGH-IN FOR SCOREBOARD. CONFIRM POWER REQUIREMENTS WITH SHOP DRAWINGS PRIOR TO ROUGH-IN.
P10	POWER FOR MOTORIZED BASKETBALL BACKBOARD. CONFIRM POWER REQUIREMENTS WITH SHOP DRAWINGS PRIOR TO ROUGH. MOUNT DISCONNECT TO STRUCTURE ADJACENT TO MOTOR. CIRCUIT HOMERUN THROUGH WALL CONTROLS. INSTALL CONTROLS WHERE DIRECTED BY OWNER.
P11	MOUNT RECEPTACLE ON PLATFORM ABOVE BLEACHERS.
P12	PROVIDE BOX-COVER FUSIBLE DISCONNECT SWITCH ABOVE CEILING WERE ACCESSIBLE FOR ALL CABINET UNIT HEATERS. INSTALL SWITCH ADJACENT TO EQUIPMENT WHERE POSSIBLE. PROVIDE 5A FUSE. CONFIRM FUSE SIZE WITH FINAL APPROVED MANUFACTURER.
P14	MOUNT DISCONNECT SWITCH ON WALL ADJACENT TO EQUIPMENT.
P15	SOUND SYSTEM RACK LOCATION. CONFIRM WITH OWNER PRIOR TO ROUGH-IN.
P16	FOR FLOORBOXES, BORE CONDUIT TO SOUND SYSTEM RACK LOCATION. DO NOT CUT FLOOR WITHOUT PRIOR CONSENT FROM OWNER.
P17	PROVIDE BOX-COVER FUSIBLE DISCONNECT SWITCH AT DAMPER. GENERAL NOTE 4 DOES NOT APPLY TO THIS DAMPER.

UNIT 'A' FIRST FLOOR POWER & COMMUNICATIONS PLAN
1/8" = 1'-0"

KEYPLAN

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Maze
Design, Inc.

JEFF D. McGAHA
PE10910251
2025.03.18

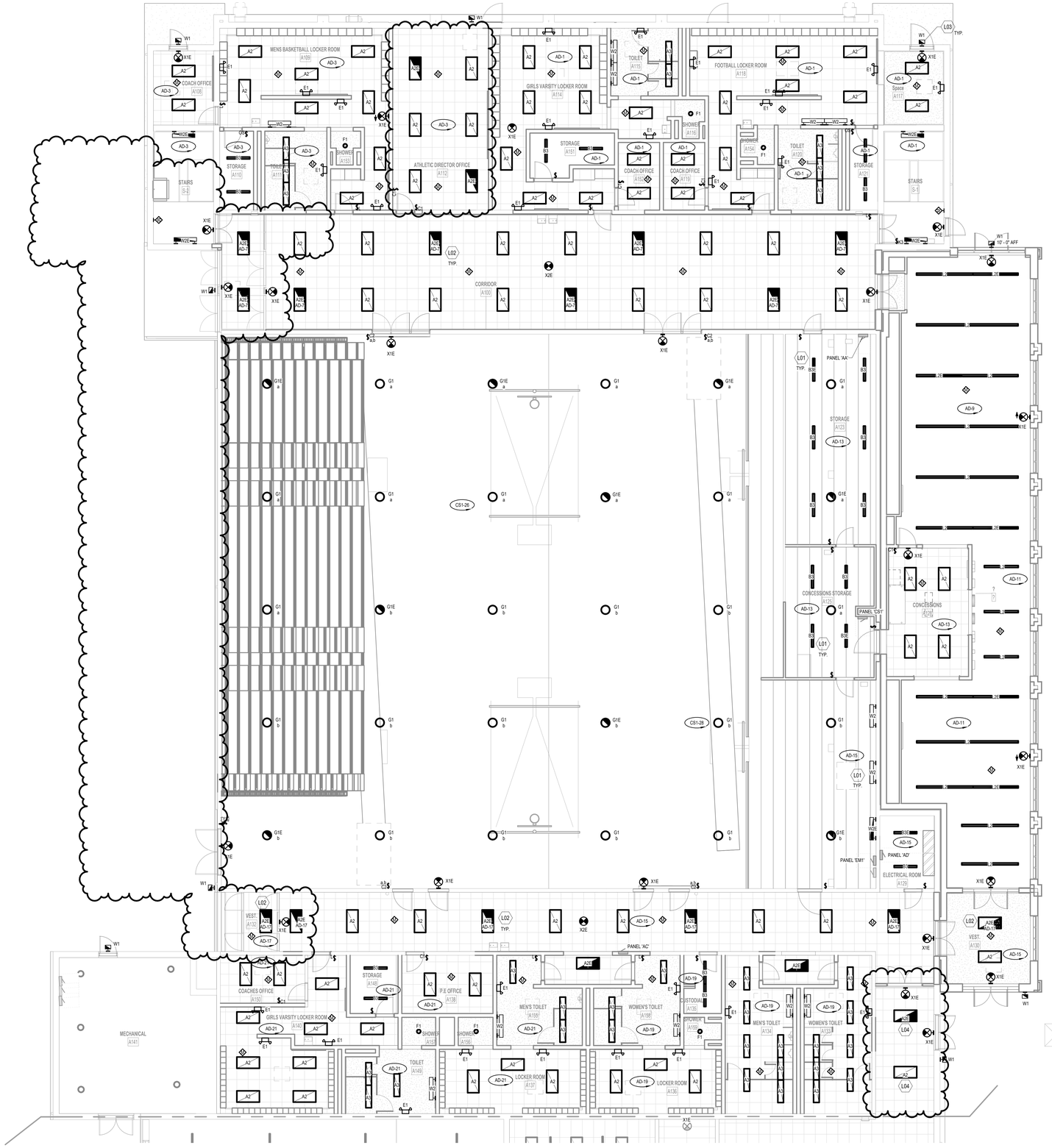
WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1
WESTERN WAYNE SCHOOLS
CAMBRIDGE CITY, INDIANA

ISSUANCES	
01.06.2025	BIDS & CONSTRUCTION
01.16.2025	ADDENDUM 001
01.22.2025	ADDENDUM 002
03.13.2025	BULLETIN 001

DRAWN	JDM
REVIEWED	SMS
PROJECT NO.	5-6394

UNIT 'A' FIRST FLOOR POWER & COMMUNICATIONS PLAN

E2.1A



UNIT 'A' FIRST FLOOR LIGHTING PLAN

1/8" = 1'-0"

LIGHTING GENERAL NOTES

- DAYLIGHTING AREA - PRIMARY
- DAYLIGHTING AREA - SECONDARY

LIGHTING TAG - TYPICAL: B2 / A1 — FIXTURE TYPE; SWITCHING ZONE / CONTROL CHANNEL; DAYLIGHTING AREA

LIGHTING TAG - WITH SPACE I.D.: C4 / A101.a1 — FIXTURE TYPE; SPACE I.D.; SWITCHING ZONE / CONTROL CHANNEL; DAYLIGHTING AREA

1. EACH CONTROL TAG (a, a1, b1, A101.a1, ETC.) REPRESENTS BOTH THE SWITCHING ZONES AND DAYLIGHTING REQUIREMENTS OF THE SPACE AND SHALL BE TREATED AS ONE CONTROL CHANNEL RELATIVE TO THE CONTROL SYSTEM.
2. DAYLIGHTING CONTROLS ARE NOT REQUIRED BY APPLICABLE ENERGY CODE IN SPACES WHERE DAYLIGHTING AREAS ARE NOT SHOWN.
3. LIGHTING CONTROL INTENT NARRATIVE TAGS (CIN:__) ARE PLACED WITHIN SPACES FOR REFERENCE TO LIGHTING CONTROL SCHEDULES.
4. ALL DIMMING CAPABLE LIGHTING FIXTURES (AS NOTED ON LIGHTING FIXTURE SCHEDULE) SHALL BE WIRED AS SUCH WITH 0-10VDC CONTROL WIRING BACK TO CONTROL DEVICE WALL BOX OR LIGHTING CONTROL PANEL WHETHER OR NOT DIMMING CONTROL DEVICE IS REQUIRED.
5. ALL MODULAR LIGHTING CONTROL DEVICES SHALL BE LOCATED WITHIN THE SAME ROOM AS THE CONTROLLED LIGHTING AND IN A CONSISTENT MANNER FROM ROOM-TO-ROOM. PREFERRED LOCATION IS ABOVE ACCESSIBLE CEILING NEAR THE PRIMARY ENTRY DOOR TO THE SPACE IF NO OTHER LOCATION IS SPECIFIED.
6. LIGHTING CONTROL SWITCH AND CONTROL MODULE / POWER PACK SYMBOLS ARE INDICATED FOR REPRESENTATIVE PLACEMENT PURPOSES ONLY AND MAY NOT REFLECT EXACT QUANTITY, SIZE, OR ARRANGEMENT OF BOX(ES) OR DEVICE(S) REQUIRED.
   A. LIGHTING CONTROLS MANUFACTURER SHALL DETERMINE AND FURNISH PRODUCT LAYOUT/APPLICATION DETAIL AS NECESSARY TO ACHIEVE REQUIRED FUNCTIONALITY AS IDENTIFIED IN SPECIFICATIONS AND ON LIGHTING CONTROL SCHEDULES.
   B. CONTRACTOR SHALL COORDINATE AND DETERMINE EXACT DEVICE INSTALLATION CONFIGURATION WITH MANUFACTURER'S DOCUMENTATION PRIOR TO ROUGH WIRING STAGES OF CONSTRUCTION.
7. ALL AC-ONLY (NON-BATTERY) EXIT SIGNS SHALL BE CONNECTED TO LOCAL EMERGENCY LIGHTING BRANCH CIRCUIT AHEAD OF ANY CONTROLS.
8. ALL EXIT SIGNS WITH EMERGENCY BATTERY SHALL BE CONNECTED TO LOCAL LIGHTING BRANCH CIRCUIT AHEAD OF ANY CONTROLS.
9. REFER TO ELECTRICAL GENERAL NOTES, LIGHTING CONTROL GENERAL NOTES, AND LIGHTING CONTROL SCHEDULES.

ELECTRICAL KEYNOTES

L01	LIGHTING FIXTURE TO BE MOUNTED AT 8'-6" AFF BELOW BLEACHERS.
L02	EMERGENCY FIXTURE TO BE USED AS NIGHT LIGHTING AND SHALL BE ILLUMINATED WHEN BUILDING IS UNOCCUPIED.
L03	CIRCUIT ALL EXTERIOR LIGHTING FIXTURES 'W1' THROUGH RELAY FROM CIRCUIT AD-25. INSTALL RELAY IN BOX ADJACENT TO PANELBOARD 'AD'. RELAY SHALL BE CONTROLLED BY BMS SYSTEM. COORDINATE INSTALLATION WITH BMS CONTROLS CONTRACTOR. PROVIDE UNSWITCHED PHASE CONDUCTOR TO EACH FIXTURE.
L04	LIGHTING FIXTURE IN ADDITION TO EMERGENCY BATTERY PACK, PROVIDE UNSWITCHED PHASE CONDUCTOR TO FIXTURE IN ADDITION TO THE SWITCHED PHASE CONDUCTOR. BOTH SWITCHED AND UNSWITCHED PHASE CONDUCTOR SHALL ORIGINATE FROM THE SAME CIRCUIT BREAKER.

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JEFF D. McGAHA REGISTERED PE10910251 STATE OF INDIANA PROFESSIONAL ENGINEER
2025.03.18

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

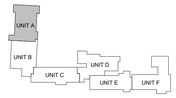
01.06.2025 BIDS & CONSTRUCTION
03.13.2025 BULLETIN 001

DRAWN JDM
REVIEWED SMS

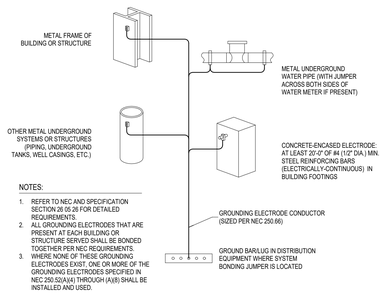
PROJECT NO. 5-6394

UNIT 'A' FIRST FLOOR LIGHTING PLAN

E3.1A



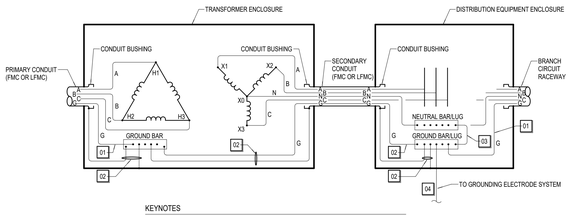
KEYPLAN



NOTES:

1. REFER TO NEC AND SPECIFICATION SECTION 26 05 26 FOR DETAILED REQUIREMENTS.
2. ALL GROUNDING ELECTRODES THAT ARE PRESENT AT EACH BUILDING OR STRUCTURE SERVED SHALL BE BONDED TOGETHER PER NEC REQUIREMENTS.
3. WHERE NONE OF THESE GROUNDING ELECTRODES EXIST, ONE OR MORE OF THE GROUNDING ELECTRODES SPECIFIED IN NEC 250.52(A)(4) THROUGH (A)(8) SHALL BE INSTALLED AND USED.

4 / E4.01 GROUNDING ELECTRODE SYSTEM DETAIL
NOT TO SCALE



KEYNOTES

01	EQUIPMENT GROUNDING CONDUCTOR (SIZED PER NEC 250.122)	03	SYSTEM BONDING JUMPER (SIZED PER NEC 250.102)
02	SUPPLY-SIDE BONDING JUMPER (SIZED PER NEC 250.102)	04	GROUNDING ELECTRODE CONDUCTOR (SIZED PER NEC 250.66)

3 / E4.01 SEPARATELY DERIVED SYSTEM GROUNDING/BONDING SCHEMATIC (SYSTEM BONDING AT FIRST DISCONNECTING MEANS OR OVERCURRENT DEVICE)
NOT TO SCALE

LOW-VOLTAGE FEEDER SCHEDULE
BASED ON NEC TABLE 310.15(B)(16) FOR COMPACT ALUMINUM CONDUCTORS APPLIED AT 75°C RATING

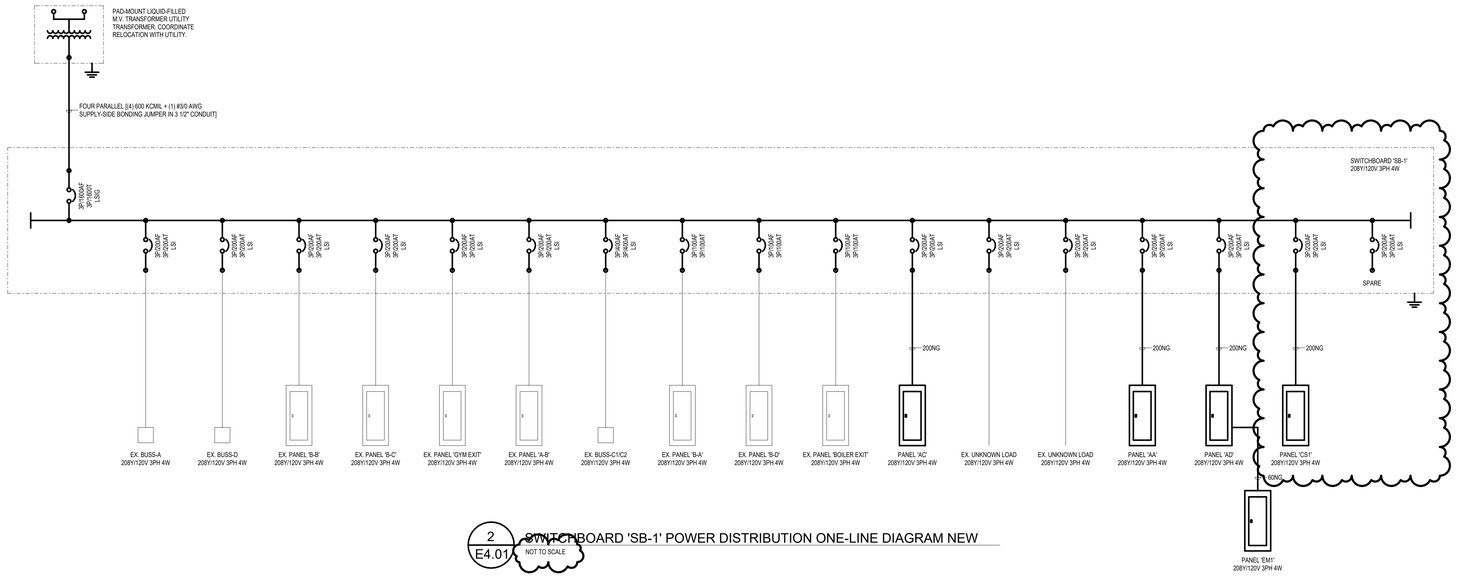
1 PHASE, 3 WIRE WITH GROUND -OR- 3 PHASE, 3 WIRE WITH GROUND		3 PHASE, 4 WIRE WITH GROUND	
TAG	FILL	TAG	FILL
A100G	(3) #1 AWG + (1) #6 AWG GRD IN 1 1/4" CONDUIT	A100GN	(4) #1 AWG + (1) #6 AWG GRD IN 1 1/4" CONDUIT
A120G	(3) #1/0 AWG + (1) #4 AWG GRD IN 1 1/4" CONDUIT	A120GN	(4) #1/0 AWG + (1) #4 AWG GRD IN 1 1/2" CONDUIT
A135G	(3) #2/0 AWG + (1) #4 AWG GRD IN 1 1/2" CONDUIT	A135GN	(4) #2/0 AWG + (1) #4 AWG GRD IN 2" CONDUIT
A155G	(3) #3/0 AWG + (1) #4 AWG GRD IN 1 1/2" CONDUIT	A155GN	(4) #3/0 AWG + (1) #4 AWG GRD IN 2" CONDUIT
A180G	(3) #4/0 AWG + (1) #4 AWG GRD IN 2" CONDUIT	A180GN	(4) #4/0 AWG + (1) #4 AWG GRD IN 2" CONDUIT
A205G	(3) 250 KCMIL + (1) #2 AWG GRD IN 2" CONDUIT	A205GN	(4) 250 KCMIL + (1) #2 AWG GRD IN 2 1/2" CONDUIT
A230G	(3) 300 KCMIL + (1) #2 AWG GRD IN 2 1/2" CONDUIT	A230GN	(4) 300 KCMIL + (1) #2 AWG GRD IN 2 1/2" CONDUIT
A250G	(3) 350 KCMIL + (1) #2 AWG GRD IN 2 1/2" CONDUIT	A250GN	(4) 350 KCMIL + (1) #2 AWG GRD IN 3" CONDUIT
A270G	(3) 400 KCMIL + (1) #2 AWG GRD IN 2 1/2" CONDUIT	A270GN	(4) 400 KCMIL + (1) #2 AWG GRD IN 3" CONDUIT
A310G	(3) 500 KCMIL + (1) #1 AWG GRD IN 3" CONDUIT	A310GN	(4) 500 KCMIL + (1) #1 AWG GRD IN 3" CONDUIT
A340G	(3) 600 KCMIL + (1) #1 AWG GRD IN 3" CONDUIT	A340GN	(4) 600 KCMIL + (1) #1 AWG GRD IN 3 1/2" CONDUIT
A400G	TWO PARALLEL [(3) 250 KCMIL + (1) #1 AWG GRD IN 2" CONDUIT]	A400GN	TWO PARALLEL [(4) 250 KCMIL + (1) #1 AWG GRD IN 2 1/2" CONDUIT]
A500G	TWO PARALLEL [(3) 350 KCMIL + (1) #1/0 AWG GRD IN 2 1/2" CONDUIT]	A500GN	TWO PARALLEL [(4) 350 KCMIL + (1) #1/0 AWG GRD IN 3" CONDUIT]
A600G	TWO PARALLEL [(3) 500 KCMIL + (1) #2/0 AWG GRD IN 3" CONDUIT]	A600GN	TWO PARALLEL [(4) 500 KCMIL + (1) #2/0 AWG GRD IN 3" CONDUIT]
A800G	THREE PARALLEL [(3) 500 KCMIL + (1) #3/0 AWG GRD IN 3" CONDUIT]	A800GN	THREE PARALLEL [(4) 500 KCMIL + (1) #3/0 AWG GRD IN 3" CONDUIT]
A1000G	FOUR PARALLEL [(3) 350 KCMIL + (1) #4/0 AWG GRD IN 2 1/2" CONDUIT]	A1000GN	FOUR PARALLEL [(4) 350 KCMIL + (1) #4/0 AWG GRD IN 3" CONDUIT]
A1200G	FOUR PARALLEL [(3) 500 KCMIL + (1) 250 KCMIL GRD IN 3" CONDUIT]	A1200GN	FOUR PARALLEL [(4) 500 KCMIL + (1) 250 KCMIL GRD IN 3" CONDUIT]
A1600G	SIX PARALLEL [(3) 500 KCMIL + (1) 350 KCMIL GRD IN 3" CONDUIT]	A1600GN	SIX PARALLEL [(4) 500 KCMIL + (1) 350 KCMIL GRD IN 3 1/2" CONDUIT]
A2000G	SEVEN PARALLEL [(3) 500 KCMIL + (1) 500 KCMIL GRD IN 3 1/2" CONDUIT]	A2000GN	SEVEN PARALLEL [(4) 500 KCMIL + (1) 500 KCMIL GRD IN 3 1/2" CONDUIT]
A2500G	EIGHT PARALLEL [(3) 600 KCMIL + (1) 600 KCMIL GRD IN 3 1/2" CONDUIT]	A2500GN	EIGHT PARALLEL [(4) 600 KCMIL + (1) 600 KCMIL GRD IN 3 1/2" CONDUIT]
A3000G	NINE PARALLEL [(3) 600 KCMIL + (1) 600 KCMIL GRD IN 3 1/2" CONDUIT]	A3000GN	NINE PARALLEL [(4) 600 KCMIL + (1) 600 KCMIL GRD IN 3 1/2" CONDUIT]

NOTE: DESIGNATIONS WITH "NN" (E.G. "A230NNG") SHALL BE SIMILAR TO THE REQUIRED "N" FEEDER EXCEPT WITH DOUBLE (200%) NEUTRAL CONDUCTOR.

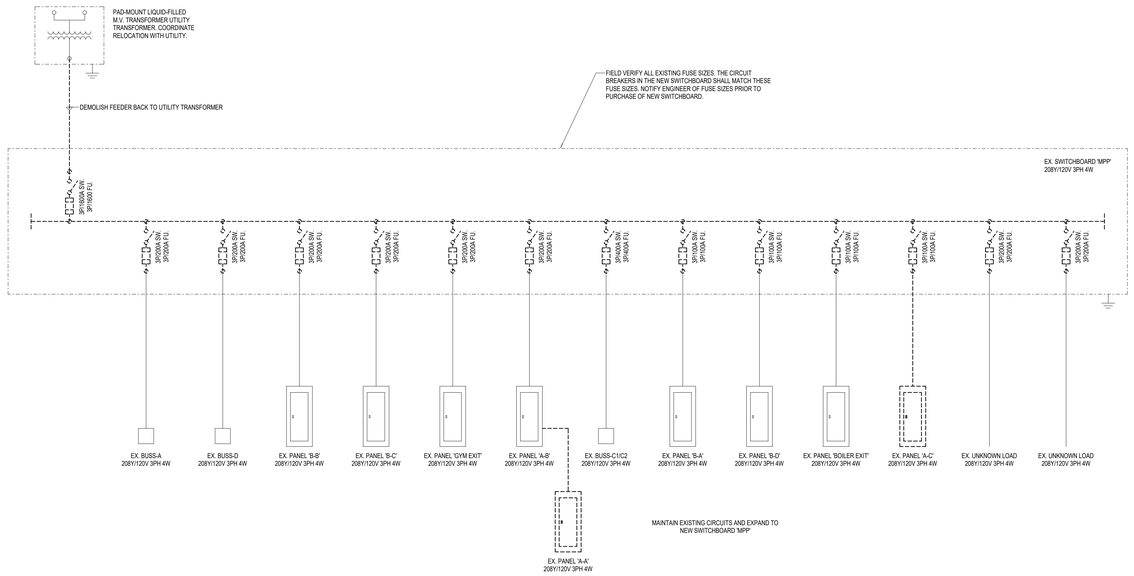
LOW-VOLTAGE FEEDER SCHEDULE
BASED ON NEC TABLE 310.15(B)(16) FOR COPPER CONDUCTORS APPLIED AT 75°C RATING

1 PHASE, 3 WIRE WITH GROUND -OR- 3 PHASE, 3 WIRE WITH GROUND		3 PHASE, 4 WIRE WITH GROUND	
TAG	FILL	TAG	FILL
20G	(3) #12 AWG + (1) #12 AWG GRD IN 3/4" CONDUIT	20NG	(4) #12 AWG + (1) #12 AWG GRD IN 3/4" CONDUIT
30G	(3) #10 AWG + (1) #10 AWG GRD IN 3/4" CONDUIT	30NG	(4) #10 AWG + (1) #10 AWG GRD IN 3/4" CONDUIT
50G	(3) #8 AWG + (1) #10 AWG GRD IN 3/4" CONDUIT	50NG	(4) #8 AWG + (1) #10 AWG GRD IN 1" CONDUIT
65G	(3) #6 AWG + (1) #8 AWG GRD IN 1" CONDUIT	65NG	(4) #6 AWG + (1) #8 AWG GRD IN 1" CONDUIT
85G	(3) #4 AWG + (1) #8 AWG GRD IN 1" CONDUIT	85NG	(4) #4 AWG + (1) #8 AWG GRD IN 1 1/4" CONDUIT
100G	(3) #3 AWG + (1) #8 AWG GRD IN 1 1/4" CONDUIT	100NG	(4) #3 AWG + (1) #8 AWG GRD IN 1 1/4" CONDUIT
115G	(3) #2 AWG + (1) #6 AWG GRD IN 1 1/4" CONDUIT	115NG	(4) #2 AWG + (1) #6 AWG GRD IN 1 1/2" CONDUIT
130G	(3) #1 AWG + (1) #6 AWG GRD IN 1 1/2" CONDUIT	130NG	(4) #1 AWG + (1) #6 AWG GRD IN 2" CONDUIT
150G	(3) #1/0 AWG + (1) #6 AWG GRD IN 1 1/2" CONDUIT	150NG	(4) #1/0 AWG + (1) #6 AWG GRD IN 2" CONDUIT
175G	(3) #2/0 AWG + (1) #6 AWG GRD IN 2" CONDUIT	175NG	(4) #2/0 AWG + (1) #6 AWG GRD IN 2" CONDUIT
200G	(3) #3/0 AWG + (1) #6 AWG GRD IN 2" CONDUIT	200NG	(4) #3/0 AWG + (1) #6 AWG GRD IN 2 1/2" CONDUIT
230G	(3) #4/0 AWG + (1) #4 AWG GRD IN 2 1/2" CONDUIT	230NG	(4) #4/0 AWG + (1) #4 AWG GRD IN 2 1/2" CONDUIT
255G	(3) 250 KCMIL + (1) #4 AWG GRD IN 2 1/2" CONDUIT	255NG	(4) 250 KCMIL + (1) #4 AWG GRD IN 3" CONDUIT
285G	(3) 300 KCMIL + (1) #4 AWG GRD IN 2 1/2" CONDUIT	285NG	(4) 300 KCMIL + (1) #4 AWG GRD IN 3" CONDUIT
310G	(3) 350 KCMIL + (1) #3 AWG GRD IN 3" CONDUIT	310NG	(4) 350 KCMIL + (1) #3 AWG GRD IN 3" CONDUIT
335G	(3) 400 KCMIL + (1) #3 AWG GRD IN 3" CONDUIT	335NG	(4) 400 KCMIL + (1) #3 AWG GRD IN 3 1/2" CONDUIT
380G	(3) 500 KCMIL + (1) #3 AWG GRD IN 3" CONDUIT	380NG	(4) 500 KCMIL + (1) #3 AWG GRD IN 3 1/2" CONDUIT
420G	(3) 600 KCMIL + (1) #2 AWG GRD IN 3 1/2" CONDUIT	420NG	(4) 600 KCMIL + (1) #2 AWG GRD IN 3 1/2" CONDUIT
500G	TWO PARALLEL [(3) 250 KCMIL + (1) #2 AWG GRD IN 2 1/2" CONDUIT]	500NG	TWO PARALLEL [(4) 250 KCMIL + (1) #2 AWG GRD IN 3" CONDUIT]
600G	TWO PARALLEL [(3) 350 KCMIL + (1) #1 AWG GRD IN 3" CONDUIT]	600NG	TWO PARALLEL [(4) 350 KCMIL + (1) #1 AWG GRD IN 3" CONDUIT]
800G	TWO PARALLEL [(3) 600 KCMIL + (1) #1/0 AWG GRD IN 3 1/2" CONDUIT]	800NG	TWO PARALLEL [(4) 600 KCMIL + (1) #1/0 AWG GRD IN 3 1/2" CONDUIT]
1000G	THREE PARALLEL [(3) 500 KCMIL + (1) #2/0 AWG GRD IN 3" CONDUIT]	1000NG	THREE PARALLEL [(4) 500 KCMIL + (1) #2/0 AWG GRD IN 3 1/2" CONDUIT]
1200G	FOUR PARALLEL [(3) 350 KCMIL + (1) #3/0 AWG GRD IN 3" CONDUIT]	1200NG	FOUR PARALLEL [(4) 350 KCMIL + (1) #3/0 AWG GRD IN 3" CONDUIT]
1600G	FIVE PARALLEL [(3) 500 KCMIL + (1) #4/0 AWG GRD IN 3" CONDUIT]	1600NG	FIVE PARALLEL [(4) 500 KCMIL + (1) #4/0 AWG GRD IN 3 1/2" CONDUIT]
2000G	SIX PARALLEL [(3) 500 KCMIL + (1) 250 KCMIL GRD IN 3 1/2" CONDUIT]	2000NG	SIX PARALLEL [(4) 500 KCMIL + (1) 250 KCMIL GRD IN 3 1/2" CONDUIT]
2500G	SEVEN PARALLEL [(3) 500 KCMIL + (1) 350 KCMIL GRD IN 3 1/2" CONDUIT]	2500NG	SEVEN PARALLEL [(4) 500 KCMIL + (1) 350 KCMIL GRD IN 3 1/2" CONDUIT]
3000G	EIGHT PARALLEL [(3) 500 KCMIL + (1) 500 KCMIL GRD IN 3 1/2" CONDUIT]	3000NG	EIGHT PARALLEL [(4) 500 KCMIL + (1) 500 KCMIL GRD IN 3 1/2" CONDUIT]

NOTE: DESIGNATIONS WITH "NN" (E.G. "230NNG") SHALL BE SIMILAR TO THE REQUIRED "N" FEEDER EXCEPT WITH DOUBLE (200%) NEUTRAL CONDUCTOR.



2 / E4.01 SWITCHBOARD 'SB-1' POWER DISTRIBUTION ONE-LINE DIAGRAM NEW
NOT TO SCALE



1 / E4.01 SWITCHBOARD 'MPP' POWER DISTRIBUTION ONE-LINE DIAGRAM DEMOLITION
NOT TO SCALE

gmb
Maze Design, Inc.
JEFF D. McGAHA REGISTERED PE10910251 STATE OF INDIANA PROFESSIONAL ENGINEER
2025.03.18

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
01.16.2025 ADDENDUM 001

DRAWN JDM
REVIEWED SMS

PROJECT NO. 5-6394

POWER DISTRIBUTION ONE-LINE DIAGRAMS

E4.01

Autodesk Docs://5-6394 Western Wayne Schools Additions & Renovations/5-6394E 2022.rvt
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PANELBOARD: PANEL 'CS1'

LOCATION: CONCESSIONS STORAGE A125 **DISTRIBUTION SYSTEM:** 208Y/120V 3PH 4W **MAINS TYPE:** MAIN LUG
MOUNTING: SURFACE **SCCR:** 22KA **MAINS RATING:** 225 A
ENCLOSURE: TYPE 1 SUPPLY FROM: SWITCHBOARD 'SB-1'

PROVIDE WITH THE FOLLOWING:

CIRCUIT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CIRCUIT
CS1-1	POPCORN REC. CONC. A128 (GFCI)	20 A	1	1,200	1,200					1	20 A	ICEMAKER REC. CONC. STORAGE A125	CS1-2
CS1-3	REFRIG. REC. CONC. A128 (GFCI)	20 A	1			1,200	1,200			1	20 A	DISHWASHER REC. CONC. STORAGE A125	CS1-4
CS1-5	RECEPTACLE ROOM A125, A126, A123	20 A	1					1,080	1,200	1	20 A	FREEZER REC. CONC. STORAGE A125	CS1-6
CS1-7	RECEPTACLE LOBBY A127,VEST...	20 A	1	1,080	720					1	20 A	RECEPTACLE CONCESSIONS A128	CS1-8
CS1-9	RECEPTACLE, UH-1 LOBBY A127, EXT.	20 A	1			1,200	360			1	20 A	RECEPTACLE CONCESSIONS A128	CS1-10
CS1-11	GYM SCOREBOARD NORTH	20 A	1					400	360	1	20 A	RECEPTACLE CONCESSIONS A128	CS1-12
CS1-13	GYM SCOREBOARD SOUTH	20 A	1	400	180					1	20 A	ISLAND REC. CONCESSIONS A128	CS1-14
CS1-15	SPOTLIGHT RECEPTACLE	20 A	1			1,200	180			1	20 A	ISLAND REC. CONCESSIONS A128	CS1-16
CS1-17	BLEACHERS	20 A	3					975	1,320	3	25 A	BCU-3A STORAGE A126	CS1-18
CS1-19				975	1,320								CS1-20
CS1-21						975	1,320						CS1-22
CS1-23	BASKETBALL BACKBOARD - SOUTHEAST	20 A	1					1,656	696	1	15 A	EF-3 CONCESSIONS A128	CS1-24
CS1-25	BASKETBALL BACKBOARD - NORTHEAST	20 A	1	1,656	1,850					1	20 A	LIGHTING - GENERAL	CS1-26
CS1-27	BASKETBALL BACKBOARD - NORTHWEST	20 A	1			1,656	2,035			1	20 A	LIGHTING - GENERAL	CS1-28
CS1-29	BASKETBALL BACKBOARD - SOUTHWEST	20 A	1					1,656	360	1	20 A	AV RACK REC STORAGE A126	CS1-30
CS1-31	SPARE	20 A	1	0	0					1	20 A	SPARE	CS1-32
CS1-33	SPARE	20 A	1			0	0			1	20 A	SPARE	CS1-34
CS1-35	SPARE	20 A	1					0	0	1	20 A	SPARE	CS1-36
CS1-37	SPARE	20 A	1	0	0					1	20 A	SPARE	CS1-38
CS1-39	SPARE	20 A	1			0	0			1	20 A	SPARE	CS1-40
CS1-41	SPARE	20 A	1					0	0	1	20 A	SPARE	CS1-42
			PHASE LOAD:	10,581 VA		11,326 VA		9,703 VA					

TOTAL CONNECTED LOAD: 31.6 kVA
TOTAL CONNECTED CURRENT: 88 A

NOTES:

PANELBOARD: PANEL 'EM1'

LOCATION: STORAGE A126 **DISTRIBUTION SYSTEM:** 208Y/120V 3PH 4W **MAINS TYPE:** MAIN LUG
MOUNTING: SURFACE **SCCR:** 22KA **MAINS RATING:** 100 A
ENCLOSURE: TYPE 1 SUPPLY FROM: PANEL 'AD'

PROVIDE WITH THE FOLLOWING:

CIRCUIT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CIRCUIT
EM1-1	RECEPTACLE STORAGE A126	20 A	1	360	1,200					2	30 A	RECEPTACLE STORAGE A126	EM1-2
EM1-3	RECEPTACLE STORAGE A126	20 A	1			360	1,200						EM1-4
EM1-5	SPARE	20 A	1					0	0	1	20 A	SPARE	EM1-6
EM1-7	SPARE	20 A	1	0	0					1	20 A	SPARE	EM1-8
EM1-9	SPARE	20 A	1			0	0			1	20 A	SPARE	EM1-10
EM1-11	SPARE	20 A	1					0	0	1	20 A	SPARE	EM1-12
EM1-13	SPARE	20 A	1	0	0					1	20 A	SPARE	EM1-14
EM1-15	SPARE	20 A	1			0	0			1	20 A	SPARE	EM1-16
EM1-17	SPARE	20 A	1					0	0	1	20 A	SPARE	EM1-18
EM1-19	PREPARED SPACE	--	1	--	--					1	--	PREPARED SPACE	EM1-20
EM1-21	PREPARED SPACE	--	1			--	--			1	--	PREPARED SPACE	EM1-22
EM1-23	PREPARED SPACE	--	1					--	--	1	--	PREPARED SPACE	EM1-24
EM1-25	PREPARED SPACE	--	1	--	--					1	--	PREPARED SPACE	EM1-26
EM1-27	PREPARED SPACE	--	1			--	--			1	--	PREPARED SPACE	EM1-28
EM1-29	PREPARED SPACE	--	1					--	--	1	--	PREPARED SPACE	EM1-30
			PHASE LOAD:	1,560 VA		1,560 VA		0 VA					

TOTAL CONNECTED LOAD: 3.1 kVA
TOTAL CONNECTED CURRENT: 9 A

NOTES:

PANELBOARD: PANEL 'AA'

LOCATION: STORAGE A123 **DISTRIBUTION SYSTEM:** 208Y/120V 3PH 4W **MAINS TYPE:** MAIN LUG
MOUNTING: SURFACE **SCCR:** 22KA **MAINS RATING:** 225 A
ENCLOSURE: TYPE 1 SUPPLY FROM: SWITCHBOARD 'SB-1'

PROVIDE WITH THE FOLLOWING:

CIRCUIT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CIRCUIT
AA-1	RECEPTACLE ROOM A121, A118	20 A	1	900	1,040					2	25 A	SSCU-1/SSAC-1 A112	AA-2
AA-3	REC. FOOTBALL LOCKER ROOM A118	20 A	1			1,008	1,040						AA-4
AA-5	RECEPTACLE COACH OFFICE A119	20 A	1					720	1,144	2	20 A	CABINET UNIT HEATERS	AA-6
AA-7	RECEPTACLE COACH OFFICE A152	20 A	1	720	1,144								AA-8
AA-9	REC. GIRLS VARSITY LOCKER ROOM A114	20 A	1			540	1,014			2	20 A	CABINET UNIT HEATERS	AA-10
AA-11	REC. GIRLS VARSITY LOCKER ROOM A114	20 A	1					540	1,014				AA-12
AA-13	EWC RECEPTACLE LOBBY A100	20 A	1	360	957					2	20 A	EF-4	AA-14
AA-15	REC. MENS BASKETBALL LOCKER A109	20 A	1			720	957						AA-16
AA-17	RECEPTACLE ROOM A109, A110	20 A	1					1,368	1,176	1	20 A	EF-5	AA-18
AA-19	RECEPTACLE COACH OFFICE A108	20 A	1	720	10					1	20 A	MOTOR DAMPER ATH. DIR. OFF. A112	AA-20
AA-21	REC. ATHLETIC DIRECTOR OFFICE A112	20 A	1			540	0			1	20 A	SPARE	AA-22
AA-23	REC. ATHLETIC DIRECTOR OFFICE A112	20 A	1					720	0	1	20 A	SPARE	AA-24
AA-25	REC. ATHLETIC DIRECTOR OFFICE A112	20 A	1	360	0					1	20 A	SPARE	AA-26
AA-27	SPARE	20 A	1			0	0			1	20 A	SPARE	AA-28
AA-29	SPARE	20 A	1					0	0	1	20 A	SPARE	AA-30
AA-31	SPARE	20 A	1	0	0					1	20 A	SPARE	AA-32
AA-33	SPARE	20 A	1			0	0			1	20 A	SPARE	AA-34
AA-35	SPARE	20 A	1					0	0	1	20 A	SPARE	AA-36
AA-37	SPARE	20 A	1	0	0					1	20 A	SPARE	AA-38
AA-39	SPARE	20 A	1			0	0			1	20 A	SPARE	AA-40
AA-41	SPARE	20 A	1					0	0	1	20 A	SPARE	AA-42
			PHASE LOAD:	6,210 VA		5,819 VA		6,682 VA					

TOTAL CONNECTED LOAD: 18.7 kVA
TOTAL CONNECTED CURRENT: 52 A

NOTES:

PANELBOARD: PANEL 'AC'

LOCATION: CORRIDOR A131 **DISTRIBUTION SYSTEM:** 208Y/120V 3PH 4W **MAINS TYPE:** MAIN LUG
MOUNTING: FLUSH **SCCR:** 22KA **MAINS RATING:** 225 A
ENCLOSURE: TYPE 1 SUPPLY FROM: SWITCHBOARD 'SB-1'

PROVIDE WITH THE FOLLOWING:

CIRCUIT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CIRCUIT
AC-1	RECEPTACLE ROOM A133, A134, A131	20 A	1	720	1,092					2	20 A	CABINET UNIT HEATERS A134, A133, A130	AC-2
AC-3	RECEPTACLE ROOM A158,A134,A135,A136	20 A	1			720	1,092						AC-4
AC-5	RECEPTACLE ROOM A155,A137,A131,A149	20 A	1					720	1,092	2	20 A	CABINET UNIT HEATERS A140, A149, A138	AC-6
AC-7	EWC RECEPTACLES CORRIDOR A131	20 A	1	1,296	1,092								AC-8
AC-9	RECEPTACLE P.E OFFICE A138	20 A	1			720	1,920			1	25 A	EF-1 LOCKER ROOM A137	AC-10
AC-11	RECEPTACLE ROOM A131, A148, A140	20 A	1					1,188	1,920	1	25 A	EF-2 LOCKER ROOM A136	AC-12
AC-13	RECEPTACLE COACHES OFFICE A150	20 A	1	720	180					1	20 A	ADA POWERED DOOR A130	AC-14
AC-15	REC. GIRLS VARSITY LOCKER ROOM A140	20 A	1			1,656	720			1	20 A	RECEPTACLE	AC-16
AC-17	SPARE	20 A	1					0	0	1	20 A	SPARE	AC-18
AC-19	SPARE	20 A	1	0	0					1	20 A	SPARE	AC-20
AC-21	SPARE	20 A	1			0	0			1	20 A	SPARE	AC-22
AC-23	SPARE	20 A	1					0	0	1	20 A	SPARE	AC-24
AC-25	SPARE	20 A	1	0	0					1	20 A	SPARE	AC-26
AC-27	SPARE	20 A	1			0	0			1	20 A	SPARE	AC-28
AC-29	SPARE	20 A	1					0	0	1	20 A	SPARE	AC-30
AC-31	SPARE	20 A	1	0	0					1	20 A	SPARE	AC-32
AC-33	SPARE	20 A	1			0	0			1	20 A	SPARE	AC-34
AC-35	SPARE	20 A	1					0	0	1	20 A	SPARE	AC-36
AC-37	EXISTING UNKNOWN LOAD (NOTE 1)	15 A	1	0	0					1	20 A	SPARE	AC-38
AC-39	EXISTING UNKNOWN LOAD (NOTE 1)	100 A	2			0	0			1	20 A	SPARE	AC-40
AC-41								0	0	1	20 A	SPARE	AC-42
			PHASE LOAD:	5,100 VA		6,828 VA		4,920 VA					

TOTAL CONNECTED LOAD: 16.8 kVA
TOTAL CONNECTED CURRENT: 47 A

NOTES: 1) CONFIRM EXISTING EQUIPMENT IS STILL IN OPERATION. FOR EQUIPMENT STILL IN USE, EXTEND EXISTING BRANCH CIRCUIT TO NEW PANEL LOCATION.

PANELBOARD: PANEL 'AD'

LOCATION: ELECTRICAL ROOM A129 **DISTRIBUTION SYSTEM:** 208Y/120V 3PH 4W **MAINS TYPE:** MAIN LUG
MOUNTING: SURFACE **SCCR:** 22KA **MAINS RATING:** 225 A
ENCLOSURE: TYPE 1 SUPPLY FROM: SWITCHBOARD 'SB-1'

PROVIDE WITH THE FOLLOWING:

CIRCUIT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CIRCUIT
AD-1	LTG - GIRLS VARS. & FOOTBALL LOCKERS	20 A	1	1,000	0					1	20 A	EX. LOAD - SW OUTSIDE LTG (NOTE 1)	AD-2
AD-3	LTG - BOYS BASKETBALL & REF LOCKERS	20 A	1			629	0			1	20 A	EX. LOAD - SE OUTSIDE LTG (NOTE 1)	AD-4
AD-5	LTG - CORRIDOR	20 A	1					112	0	1	20 A	EX. LOAD - SE OUTSIDE LTG (NOTE 1)	AD-6
AD-7	LTG - CORRIDOR NIGHT LIGHTING	20 A	1	224	0					1	20 A	EX. LOAD - GYM RECEPTACLES (NOTE 1)	AD-8
AD-9	LTG - LOBBY	20 A	1			972	0			1	20 A	EX. LOAD - VENTILATOR FAN (NOTE 1)	AD-10
AD-11	LTG - LOBBY	20 A	1					1,512	0	1	20 A	EX. LOAD - SPEAKERS (NOTE 1)	AD-12
AD-13	LTG -...	20 A	1	256	0					1	30 A	EX. LOAD - PUMP PIT (NOTE 1)	AD-14
AD-15	LTG - CORRIDOR A131	20 A	1			242	0			2	20 A	EX. LOAD - COMPRESSOR (NOTE 1)	AD-16
AD-17	LTG - CORRIDOR A131 NIGHT LIGHTING	20 A	1					224	0				AD-18
AD-19	LTG - TOILETS A133, A134, WOMENS LCKR	20 A	1	769	0					1	20 A	SPARE	AD-20
AD-21	LTG - BOYS LOCKER, GIRLS VARSITY A140	20 A	1			739	0			1	20 A	SPARE	AD-22
AD-23	LTG - EXTERIOR UNIT 'A'	20 A	1					105	0	1	20 A	SPARE	AD-24
AD-25	SPARE	20 A	1	0	0					1	20 A	SPARE	AD-26
AD-27	SPARE	20 A	1			0	0			1	20 A	SPARE	AD-28
AD-29	SPARE	20 A	1					0	0	1	20 A	SPARE	AD-30
AD-31	SPARE	20 A	1	0	0					1	20 A	SPARE	AD-32
AD-33	SPARE	20 A	1			0	0			1	20 A	SPARE	AD-34
AD-35	SPARE	20 A	1					0	0	1	20 A	SPARE	AD-36
AD-37	PANEL 'EM1'	60 A	3	1,560	0					1	20 A	SPARE	AD-38
AD-39						1,560	0			1	20 A	SPARE	AD-40
AD-41								0	0	1	20 A	SPARE	AD-42
			PHASE LOAD:	3,809 VA		4,142 VA		1,953 VA					

TOTAL CONNECTED LOAD: 9.9 kVA
TOTAL CONNECTED CURRENT: 27 A

NOTES: 1) CONFIRM EXISTING EQUIPMENT IS STILL IN OPERATION. FOR EQUIPMENT STILL IN USE, EXTEND EXISTING BRANCH CIRCUIT TO NEW PANEL LOCATION.

SWITCHBOARD: SWITCHBOARD 'SB-1'

LOCATION: ELECTRICAL ROOM A129 **DISTRIBUTION SYSTEM:** 208Y/120V 3PH 4W **MAINS TYPE:** MAIN CIRCUIT BREAKER
MOUNTING: FREE-STANDING ON 4" CONC. PAD **SCCR:** 65KA **MAINS RATING:** 1,600 A
ENCLOSURE: TYPE 1 SUPPLY FROM: EX. XFMR 'T-UTILITY' **MAIN OCPD RATING:** 1,600 A

PROVIDE WITH THE FOLLOWING: GROUND-FAULT PROTECTION

CIRCUIT	CIRCUIT DESCRIPTION	POLES	FRAME SIZE	TRIP RATING	Load	REMARKS
SB1-1	EX. BUSS A	3	200 A	200 A	0 VA	NOTE 1
SB1-2	EX. BUSS C	3	200 A	200 A	0 VA	NOTE 1
SB1-3	EX. PANEL 'B-B'	3	200 A	200 A	0 VA	NOTE 1
SB1-4	EX. PANEL 'B-C'	3	200 A	200 A	0 VA	NOTE 1
SB1-5	EX. PANEL 'GYM EXIT'	3	200 A	200 A	0 VA	NOTE 1
SB1-6	EX. PANEL 'A-B'	3	200 A	200 A	0 VA	NOTE 1
SB1-7	EX. BUSS C1/C2	3	400 A	400 A	0 VA	NOTE 1
SB1-8	EX. PANEL 'B-A'	3	100 A	100 A	0 VA	NOTE 1
SB1-9	EX. PANEL 'B-D'	3	100 A	100 A	0 VA	NOTE 1
SB1-10	EX. PANEL 'BOILER EXIT'	3	100 A	100 A	0 VA	NOTE 1
SB1-11	PANEL 'AC'	3	200 A	200 A	16,848 VA	
SB1-12	EX. UNKNOWN LOAD	3	200 A	200 A	0 VA	NOTE 1
SB1-13	EX. UNKNOWN LOAD	3	200 A	200 A	0 VA	NOTE 1
SB1-14	PANEL 'AA'	3	200 A	200 A	18,711 VA	
SB1-15	PANEL 'AD'	3	200 A	200 A	9,904 VA	
SB1-16	PANEL 'CS1'	3	200 A	200 A	31,610 VA	
SB1-17	SPARE	3	200 A	200 A	0 VA	
SB1-18	PREPARED SPACE	1	--	--	--	
SB1-19	PREPARED SPACE	1	--	--	--	
SB1-20	PREPARED SPACE	1	--	--	--	
SB1-21	PREPARED SPACE	1	--	--	--	
SB1-22	PREPARED SPACE	1	--	--	--	
SB1-23	PREPARED SPACE	1	--	--	--	
SB1-24	PREPARED SPACE	1	--	--	--	

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	SWITCHBOARD TOTALS	
Equipment	18,929 VA	100.00%	18,929 VA		
Lighting - General	10,669 VA	100.00%	10,669 VA	**TOTAL CONNECTED LOAD:**	77.1 kVA
Motor	14,439 VA	103.32%	14,919 VA	**TOTAL ESTIMATED DEMAND LOAD:**	66.0 kVA
Receptacle	33,036 VA	65.14%	21,518 VA	**TOTAL CONNECTED CURRENT:**	214 A
				TOTAL EST. DEMAND CURRENT:	183 A

NOTES: 1) CONFIRM EXISTING FUSE SIZE AND MATCH NEW CIRCUIT BREAKER TO FUSE SIZE.

gmb
Maze Design, Inc.

2025.03.18

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1
WESTERN WAYNE SCHOOLS
CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025	BIDS & CONSTRUCTION
01.16.2025	ADDENDUM 001
01.22.2025	ADDENDUM 002
03.13.2025	BULLETIN 001

DRAWN JDM
REVIEWED SMS

PROJECT NO. 5-6394

POWER DISTRIBUTION EQUIPMENT SCHEDULES

E5.01

Autodesk Docs://5-6394 Western Wayne Schools Additions & Renovations/5-6394E 2025.rvt
3/13/2025 11:22:07 AM

LIGHTING FIXTURE SCHEDULE

TYPE / TAG	DESCRIPTION	APPROVED MANUFACTURERS & CATALOG NUMBERS: BASIS	EQUIVALENT #1	EQUIVALENT #2	FINISH	MOUNTING	LIGHT SOURCE: MIN. DELIVERED LUMENS	LIGHT SOURCE: TYPE	DRIVER / BALLAST TYPE	INPUT VOLTAGE (V)	INPUT POWER (W)	NOTES
A2	2'x4' RECESSED LED FLAT PANEL, FULLY-LUMINOUS DIFFUSE ACRYLIC LENS FRAMED IN EXTRUDED ALUMINUM BEZEL, DLC QUALIFIED	LITHONIA: CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT	COLUMBIA: CBT24-B-LSCS-EDD-34	METALUX: 24CGT4540C	WHITE	RECESSED IN ACOUSTICAL GRID CEILING	3300	4000K LED	0-10V DIMMING	120 V	28	
A2E	2'x4' RECESSED LED FLAT PANEL, FULLY-LUMINOUS DIFFUSE ACRYLIC LENS FRAMED IN EXTRUDED ALUMINUM BEZEL, DLC QUALIFIED, EMERGENCY BATTERY	LITHONIA: CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT	COLUMBIA: CBT24-B-LSCS-EDD-34	METALUX: 24CGT4540C EL14W	WHITE	RECESSED IN ACOUSTICAL GRID CEILING	3300	4000K LED	0-10V DIMMING	120 V	28	
A3	1'x4' RECESSED LED FLAT PANEL, FULLY-LUMINOUS DIFFUSE ACRYLIC LENS FRAMED IN EXTRUDED ALUMINUM BEZEL, DLC QUALIFIED	LITHONIA: CPX-1X4-AL07-80CRI-SWW7-SWL-MVOLT	COLUMBIA: CBT24-B-LSCS-EDD-34	METALUX: 14CGT4040C	WHITE	RECESSED IN ACOUSTICAL GRID CEILING	4094	4000K LED	0-10V DIMMING	120 V	36	
A3E	1'x4' RECESSED LED FLAT PANEL, FULLY-LUMINOUS DIFFUSE ACRYLIC LENS FRAMED IN EXTRUDED ALUMINUM BEZEL, DLC QUALIFIED, EMERGENCY BATTERY	LITHONIA: CPX-1X4-AL07-80CRI-SWW7-SWL-MVOLT	COLUMBIA: CBT24-B-LSCS-EDD-34	METALUX: 14CGT4040C EL14W	WHITE	RECESSED IN ACOUSTICAL GRID CEILING	4094	4000K LED	0-10V DIMMING	120 V	36	
B3	X' LENGTH INDUSTRIAL LED LUMINAIRE	LITHONIA: CLX L48 4000LM SEF FDL MVOLT GZ1 40K 80CRI	COLUMBIA: MPS4-40VW-CW-ED1U	METALUX: 4SNX-31SL-SLW-UNV-L840-CD1-U	WHITE	SURFACE MOUNT OR SUSPENDED, REFER TO DRAWING	3061	4000K LED	0-10V DIMMING	120 V	18	
B3E	X' LENGTH INDUSTRIAL LED LUMINAIRE, EMERGENCY BATTERY	LITHONIA: CLX L48 4000LM SEF FDL MVOLT GZ1 40K 80CRI	COLUMBIA: MPS4-40VW-CW-ED1U	METALUX: 4SNX-31SL-SLW-UNV-L840-CD1-U	WHITE	SURFACE MOUNT OR SUSPENDED, REFER TO DRAWING	3061	4000K LED	0-10V DIMMING	120 V	18	
E1	EMERGENCY LIGHTING UNIT, AMABLE OPTICS, BATTERY OPERATED	LITHONIA: ELM2L SDRT	COMPASS: CUZSO	COOPER: SELHP100RSBD	WHITE	WALL MOUNTED AT 7' - 0" AFF	N/A	N/A	N/A	120 V	2.4	
F1	6" RECESSED ROUND FIXTURE, MEDIUM BEAM DISTRIBUTION, WET LOCATION LISTED, SHALLOW HOUSING	GOTHAM: IVO6S D 15LM 40K 80CRI MD MIN10 MVOLT ZT WL P AR LSS F	PRESCOLITE: LBRP-M-L-SML-CS9-WD LBRP-6RD-T-O	PORTFOLIO: LDS6C 30 D010 ELB S 1 H	WHITE	RECESSED IN CEILING	2700	4000K LED	0-10V DIMMING	120 V	25	
G1	LED HIGH BAY, MINIMUM 10% UPLIGHT, FROSTED PRISMATIC LENS, WIDE DISTRIBUTION, WIRE GUARD OR IMPACT RESISTANT LENS.	HOLOPHANE: PHG-36000-SEF-WGG-MVOLT-40K-80CRI-PM	CREE: VUE-A-UV-24L-40K8-M-UL-10V	METALUX: SSLED LDS 24 M UNV L840 CD 2	WHITE	SUSPENDED FROM EXPOSED CEILING STRUCTURE	24000	4000K LED	0-10V DIMMING	120 V	185	
G1E	SAME AS G1 BUT WITH EMERGENCY BATTERY	HOLOPHANE: PHG-36000-SEF-WGG-MVOLT-40K-80CRI-PM	CREE: VUE-A-UV-24L-40K8-M-UL-10V	METALUX: SSLED LDS 24 M UNV L840 EL20WREM CD 2	WHITE	SUSPENDED FROM EXPOSED CEILING STRUCTURE	24000	4000K LED	0-10V DIMMING	120 V	185	
L2	XX' LENGTH SUSPENDED LINEAR FIXTURE, EXTRUDED ALUMINUM BODY, FLUSH LENS, DIRECT/INDIRECT OPTICS	FINELITE: HP-X-P-ID-XX'-S-B-840-TG-F-277-SC-FC-10%-FE-SW	LITECONTROL: 2L-P-ID-STD-XX'-08-SOF-C1-40K9-I070-D030-D01-2C--UNV-FA1	LUMENWERX: VIA4 DI HLO FH WX02 SW 80CRI 730LMF 350LMF 40K XFTXN UNV D1 1C NA ACS W	WHITE	SUSPENDED AT 14' - 0" AFF	3061	4000K LED	0-10V DIMMING	120 V	18	
L2E	XX' LENGTH SUSPENDED LINEAR FIXTURE WITH BATTERY BACKUP, EXTRUDED ALUMINUM BODY, FLUSH LENS, DIRECT/INDIRECT OPTICS, EMERGENCY BATTERY	FINELITE: HP-X-P-ID-XX'-S-B-840-TG-F-277-SC-FC-10%-FE-SW-L-GD10	LITECONTROL: 2L-P-ID-STD-XX'-08-SOF-C1-40K9-I070-D030-D01-2C--UNV-FA1	LUMENWERX: VIA4 DI HLO FH WX02 SW 80CRI 730LMF 350LMF 40K XFTXN UNV D1 1C 1EMB ACS W	WHITE	SUSPENDED AT 14' - 0" AFF	3061	4000K LED	0-10V DIMMING	120 V	18	
W1	WALL MOUNT LED AREA LIGHT, DIE CAST, ALUMINUM HOUSING, TRAPEZOIDAL, ZERO UPLIGHT, TYP IV DISTRIBUTION, WET LOCATION LISTED	LITHONIA: WDGE2-P3-40K-80CRI-VW-MVOLT-SRM-DBLXD	HUBBELL: TRP2-24L-50-4K7-4-UNV-BLT	MCGRAW EDISON:1ST-SA1-D-740-U-T4FT-BK	BLACK	WALL MTD ON EXTERIOR AT 7' -6" AFF UNLESS NOTED OTHERWISE	5800	4000K LED	INTEGRAL	120 V	15	
W2	4' WALL MOUNTED LED, VANDAL RESISTANT	KENALL: N548W-P-1-25L40K-DV	NEW-STAR: VIC 4 N L2 40 1C RW UN WH	FAILSAFE: HVSL2 SQ 4 LD4 STD 40 UNV O EDD1	WHITE	WALL MTD AT 7' - 6" UNLESS NOTED OTHERWISE	3429	4000K LED	INTEGRAL	120 V	28	
W2E	4' WALL MOUNTED LED, VANDAL RESISTANT, EMERGENCY BATTERY	KENALL: N548W-P-1-25L40K-DV	NEW-STAR: VIC 4 N L2 40 1C RW UN WH	FAILSAFE: HVSL2 SQ 4 LD4 STD 40 UNV O EDD1 EL10W	WHITE	WALL MTD AT 7' - 6" UNLESS NOTED OTHERWISE	3429	4000K LED	INTEGRAL	120 V	28	
X1E	EXIT SIGN, DIE-CAST HOUSING, SINGLE FACE, EMERGENCY BATTERY OPERATION, SELF-DIAGNOSTIC, UL924 LISTING, ARROWS AND MOUNTINGS SHOWN ON DRAWINGS	DUAL-LITE: SEDRWEI	LITHONIA: LE-S-W-1-R-EL N-SD	SURE-LITES: CX71WHSD	WHITE HOUSING, WHITE FACE	SURFACE ON CEILING OR WALL: REFER TO DRAWINGS FOR CONFIGURATION/ORIENTATION	N/A	RED LED	INTEGRAL	120 V	3	2
X2E	EXIT SIGN, DIE-CAST HOUSING, DOUBLE FACE, EMERGENCY BATTERY OPERATION, SELF-DIAGNOSTIC, UL924 LISTING, ARROWS AND MOUNTINGS SHOWN ON DRAWINGS	DUAL-LITE: SEDRWEI	LITHONIA: LE-S-W-2-R-EL N-SD	SURE-LITES: CX72WHSD	WHITE HOUSING, WHITE FACE	SURFACE ON CEILING OR WALL: REFER TO DRAWINGS FOR CONFIGURATION/ORIENTATION	N/A	RED LED	INTEGRAL	120 V	3	2

LIGHTING CONTROL INTENT NARRATIVE (CIN) SCHEDULE

NARRATIVE I.D.	DESCRIPTION	CONTROL FUNCTION DESCRIPTIONS (ASHRAE/IES 90.1-2013 REFERENCE): LOCAL CONTROL (9.4.1.1[a])	ON MODE (9.4.1.1[b,c])	BI-LEVEL LIGHTING CONTROL (9.4.1.1[d])	DAYLIGHT RESPONSIVE CONTROLS (9.4.1.1[e,f])	OFF MODE (9.4.1.1[g,h,i])	NETWORK TYPE (REFER TO SECTION 26 09 43): ROOM-BASED	NETWORK TYPE (REFER TO SECTION 26 09 43): BUILDING-WIDE	INTEGRATION (REFER TO SECTION 26 09 43): HVAC EQUIPMENT / BUILDING MANAGEMENT / TEMPERATURE CONTROL SYSTEM (OCCUPANCY STATUS OUTPUT, PLUS OTHER FUNCTIONS PER SPECIFICATION): LOCAL ROOM INTERFACE (CONTACT CLOSURE)	INTEGRATION (REFER TO SECTION 26 09 43): HVAC EQUIPMENT / BUILDING MANAGEMENT / TEMPERATURE CONTROL SYSTEM (OCCUPANCY STATUS OUTPUT, PLUS OTHER FUNCTIONS PER SPECIFICATION): CENTRAL GATEWAY PROTOCOL INTERFACE VIA NLCS BACKBONE NETWORK	INTEGRATION (REFER TO SECTION 26 09 43): RESTORE EGRESS LIGHTING UPON FIRE ALARM CONDITION: LOCAL ROOM INTERFACE (CONTACT CLOSURE)	INTEGRATION (REFER TO SECTION 26 09 43): RESTORE EGRESS LIGHTING UPON FIRE ALARM CONDITION: CENTRAL GATEWAY PROTOCOL INTERFACE VIA NLCS BACKBONE NETWORK	ADDITIONAL NOTES
CIN-01	TYPICAL OCCUPIABLE ROOM	WALL SWITCH(ES) (ON / OFF / DIM UP / DIM DOWN) AT ONE OR MORE LOCATIONS WITHIN SPACE; REFER TO PLAN FOR LOCATION(S)	MANUAL ON VIA LOCAL WALL CONTROL(S)	0-10VDC CONTINUOUS DIMMING OF LIGHTING WITHIN ONE OR MORE CONTROL ZONES; REFER TO PLAN (SINGLE CONTROL ZONE UNLESS OTHERWISE SHOWN)	WHERE INDICATED, OPEN-LOOP PHOTOCONTROL(S) AUTOMATICALLY REDUCE THE ELECTRIC LIGHTING WITHIN EACH PRIMARY/SECONDARY SIDELIGHTING AND/OR ROOF MONITOR DAYLIGHT ZONE VIA 5-10VDC CONTINUOUS DIMMING	AUTOMATIC FULL OFF UPON SPACE VACANCY VIA SENSOR(S), SET FOR 20-MINUTE TIMEOUT PERIOD	X			X			
CIN-02	PUBLIC TRANSITION SPACE	LINE-VOLTAGE LOCKING TOGGLE SWITCH(ES) (SECTION 26 27 26) AT ONE OR MORE LOCATIONS WITHIN SPACE; REFER TO PLAN FOR LOCATION(S), CONNECT ON LOAD SIDE OF AUTOMATIC LIGHTING CONTROL DEVICES	AUTOMATIC ON VIA OCCUPANCY SENSOR	N/A	N/A	AUTOMATIC FULL OFF UPON SPACE VACANCY VIA SENSOR(S), SET FOR 20-MINUTE TIMEOUT PERIOD		X		X		X	
CIN-06	ELECTRICAL / MECHANICAL	LINE-VOLTAGE TOGGLE SWITCH(ES) (SECTION 26 27 26) AT ONE OR MORE LOCATIONS WITHIN SPACE; REFER TO PLAN FOR LOCATION(S)	MANUAL VIA SWITCH	N/A	N/A	MANUAL VIA SWITCH	N/A	N/A	N/A	N/A	N/A	N/A	NO AUTOMATIC LIGHTING CONTROLS
CIN-07	RESTROOM, MULTIPLE OCCUPANCY	LINE-VOLTAGE LOCKING TOGGLE SWITCH(ES) (SECTION 26 27 26) AT ONE OR MORE LOCATIONS WITHIN SPACE; REFER TO PLAN FOR LOCATION(S), CONNECT ON LOAD SIDE OF AUTOMATIC LIGHTING CONTROL DEVICES	AUTOMATIC ON VIA OCCUPANCY SENSOR	N/A	N/A	AUTOMATIC FULL OFF UPON SPACE VACANCY VIA SENSOR(S), SET FOR 20-MINUTE TIMEOUT PERIOD	X			X			
CIN-09	STORAGE, >= 50 SQ. FT.	WALL SWITCH(ES) (ON / OFF) AT ONE OR MORE LOCATIONS WITHIN SPACE; REFER TO PLAN FOR LOCATION(S)	MANUAL ON VIA LOCAL WALL CONTROL(S)	N/A	N/A	AUTOMATIC FULL OFF UPON SPACE VACANCY VIA SENSOR(S), SET FOR 15-MINUTE TIMEOUT PERIOD	X			X			
CIN-09A	STORAGE, >= 50 SQ. FT.	LINE-VOLTAGE WALL-BOX OCCUPANCY SENSOR (SECTION 26 09 23), REFER TO PLAN FOR LOCATION(S)	MANUAL ON VIA LOCAL WALL CONTROL(S)	N/A	N/A	AUTOMATIC FULL OFF UPON SPACE VACANCY VIA SENSOR(S), SET FOR 15-MINUTE TIMEOUT PERIOD							
CIN-12	GYMNASIUM, PLAYING AREA	WALL SWITCH(ES) (ON / OFF / DIM UP / DIM DOWN) AT ONE OR MORE LOCATIONS WITHIN SPACE; REFER TO PLAN FOR LOCATION(S)	MANUAL ON VIA LOCAL WALL CONTROL(S)	0-10VDC CONTINUOUS DIMMING OF LIGHTING WITHIN ONE OR MORE CONTROL ZONES; REFER TO PLAN (SINGLE CONTROL ZONE UNLESS OTHERWISE SHOWN)		AUTOMATIC FULL OFF UPON SPACE VACANCY VIA SENSOR(S) (INDEPENDENT SENSOR ZONES FOR NO MORE THAN 5,000 SQ. FT.), SET FOR 20-MINUTE TIMEOUT PERIOD		X		X		X	AUTOMATIC ON/OFF VIA OCCUPANCY SENSOR FOR DESIGNATED EMERGENCY/EGRESS FIXTURES ONLY TO PROVIDE WALK-THROUGH LIGHTING
	EXTERIOR LIGHTING, SITE POLES												CONTROL VIA BMS ON AT SUNSET WITH ASTRONOMIC TIME SCHEDULE (WITH USER ADJUSTABLE OFFSET +/- 30 MIN.) OFF AT MIDNIGHT ON AT 6:00 A.M. OFF AT SUNRISE WITH ASTRONOMIC TIME SCHEDULE (WITH USER ADJUSTABLE OFFSET +/- 30 MIN.) PROVIDE ABILITY FOR USER TO INITIATE MANUAL OR SCHEDULED OVERRIDE ON PERIOD.
	EXTERIOR LIGHTING, BUILDING-MOUNTED (AND FLAGPOLE LIGHTING IF PRESENT)												CONTROL VIA BMS ON AT SUNSET WITH ASTRONOMIC TIME SCHEDULE (WITH USER ADJUSTABLE OFFSET +/- 30 MIN.) OFF AT SUNRISE WITH ASTRONOMIC TIME SCHEDULE (WITH USER ADJUSTABLE OFFSET +/- 30 MIN.) PROVIDE ABILITY FOR USER TO INITIATE MANUAL OR SCHEDULED OVERRIDE ON PERIOD.

LIGHTING CONTROL INTENT NARRATIVE - SPACE SCHEDULE

SPACE I.D.	SPACE TYPE (ASHRAE/IES 90.1 TABLE 9.6.1)
CIN-01	
A103 OFFICE	OFFICE - ENCLOSED, 250 SF OR LESS
A105 HOSPITALITY ROOM	CONFERENCE/MEETING/MULTIPURPOSE
A108 COACH OFFICE	OFFICE - ENCLOSED, 250 SF OR LESS
A112 A.T. ROOM	OFFICE - ENCLOSED, GREATER THAN 250SF
A113 LAUNDRY	LAUNDRY/WASHING AREA
A119 COACH OFFICE	OFFICE - ENCLOSED, 250 SF OR LESS
A138 P.E OFFICE	OFFICE - ENCLOSED, 250 SF OR LESS
A143 OFFICE	OFFICE - ENCLOSED, 250 SF OR LESS
A150 COACHES OFFICE	OFFICE - ENCLOSED, 250 SF OR LESS
A152 COACH OFFICE	OFFICE - ENCLOSED, 250 SF OR LESS
CIN-02	
A101 VEST.	CORRIDOR
A102 HALL	CORRIDOR
A117 Space	CORRIDOR
A130 VEST.	CORRIDOR
A131 CORRIDOR	CORRIDOR
A132 VEST.	CORRIDOR
A192 Space	CORRIDOR
S-1 STAIRS	STAIRWELL
S-2 STAIRS	STAIRWELL
CIN-06	
A129 ELECTRICAL ROOM	ELECTRICAL/MECHANICAL
CIN-07	
A107 REF LOCKER ROOM	LOCKER ROOM
A109 MENS BASKETBALL LOCKER ROOM	LOCKER ROOM
A111 TOILET	LOCKER ROOM
A114 GIRLS VARSITY LOCKER ROOM	LOCKER ROOM
A115 TOILET	LOCKER ROOM
A118 FOOTBALL LOCKER ROOM	LOCKER ROOM
A120 TOILET	LOCKER ROOM
A133 WOMENS TOILET	RESTROOMS
A134 MENS TOILET	RESTROOMS
A136 LOCKER ROOM	LOCKER ROOM
A137 LOCKER ROOM	LOCKER ROOM
A149 TOILET	LOCKER ROOM
A153 SHOWER	LOCKER ROOM
A154 SHOWER	LOCKER ROOM
A155 MENS TOILET	LOCKER ROOM
A156 SHOWER	LOCKER ROOM
A157 SHOWER	LOCKER ROOM
A158 WOMENS TOILET	LOCKER ROOM
A159 SHOWER	LOCKER ROOM
A163 Space	LOCKER ROOM
CIN-09	
A104 ATHLETIC STORAGE	STORAGE - 50 SF TO 1000 SF
A106 STORAGE	STORAGE - 50 SF TO 1000 SF
A123 STORAGE	STORAGE - 50 SF TO 1000 SF
A125 CONCESSIONS STORAGE	STORAGE - 50 SF TO 1000 SF
A126 STORAGE	STORAGE - GREATER THAN 1000 SF
A135 CUSTODIAL	STORAGE - 50 SF TO 1000 SF
A151 STORAGE	STORAGE - 50 SF TO 1000 SF
CIN-09A	
A110 STORAGE	STORAGE - 50 SF TO 1000 SF
A121 STORAGE	STORAGE - 50 SF TO 1000 SF
A148 STORAGE	STORAGE - 50 SF TO 1000 SF
CIN-12	
A122 GYMNASIUM	GYMNASIUM/FITNESS CENTER - PLAYING AREA

INTERIOR LIGHTING POWER DENSITY (LPD) COMPLIANCE (SPACE-BY-SPACE METHOD)

SPACE I.D.	FLOOR AREA	ALLOWED LPD (TABLE 9.6.1)	ALLOWED LIGHTING POWER	PROPOSED LIGHTING POWER	PROPOSED LPD	NOTED EXEMPTIONS / ALLOWANCES / ADJUSTMENTS
A101 VEST.	230 SF	0.66 W/ft²	152 W	56 W	0.24 W/ft²	
A102 HALL	167 SF	0.66 W/ft²	110 W	108 W	0.65 W/ft²	
A103 OFFICE	195 SF	1.11 W/ft²	216 W	144 W	0.74 W/ft²	
A104 ATHLETIC STORAGE	143 SF	0.63 W/ft²	90 W	36 W	0.25 W/ft²	
A105 HOSPITALITY ROOM	462 SF	1.23 W/ft²	568 W	288 W	0.62 W/ft²	
A106 STORAGE	762 SF	0.63 W/ft²	480 W	144 W	0.19 W/ft²	
A107 REF LOCKER ROOM	169 SF	0.75 W/ft²	127 W	86 W	0.51 W/ft²	
A108 COACH OFFICE	140 SF	1.11 W/ft²	156 W	56 W	0.40 W/ft²	
A109 MENS BASKETBALL LOCKER ROOM	623 SF	0.75 W/ft²	467 W	234 W	0.38 W/ft²	
A110 STORAGE	84 SF	0.63 W/ft²	53 W	36 W	0.43 W/ft²	
A111 TOILET	154 SF	0.75 W/ft²	115 W	2 W	0.02 W/ft²	
A112 A.T. ROOM	333 SF	1.11 W/ft²	370 W	140 W	0.42 W/ft²	
A113 LAUNDRY	88 SF	0.60 W/ft²	53 W	72 W	0.82 W/ft²	
A114 GIRLS VARSITY LOCKER ROOM	620 SF	0.75 W/ft²	465 W	237 W	0.38 W/ft²	
A115 TOILET	144 SF	0.75 W/ft²	108 W	74 W	0.52 W/ft²	
A117 Space	140 SF	0.66 W/ft²	93 W	58 W	0.42 W/ft²	
A118 FOOTBALL LOCKER ROOM	670 SF	0.75 W/ft²	503 W	236 W	0.35 W/ft²	
A119 COACH OFFICE	88 SF	1.11 W/ft²	98 W	56 W	0.64 W/ft²	
A120 TOILET	154 SF	0.75 W/ft²	115 W	110 W	0.72 W/ft²	
A121 STORAGE	72 SF	0.63 W/ft²	45 W	36 W	0.50 W/ft²	
A122 GYMNASIUM	11,412 SF	1.20 W/ft²	13,695 W	5,550 W	0.49 W/ft²	
A123 STORAGE	597 SF	0.63 W/ft²	376 W	90 W	0.15 W/ft²	
A125 CONCESSIONS STORAGE	357 SF	0.63 W/ft²	225 W	54 W	0.15 W/ft²	
A126 STORAGE	1,841 SF	0.63 W/ft²	1,160 W	28 W	0.02 W/ft²	
A129 ELECTRICAL ROOM	125 SF	0.42 W/ft²	52 W	18 W	0.14 W/ft²	
A130 VEST.	239 SF	0.66 W/ft²	157 W	56 W	0.23 W/ft²	
A131 CORRIDOR	1,290 SF	0.66 W/ft²	851 W	283 W	0.22 W/ft²	
A132 VEST.	79 SF	0.66 W/ft²	52 W	28 W	0.36 W/ft²	
A133 WOMENS TOILET	302 SF	0.98 W/ft²	296 W	254 W	0.84 W/ft²	
A134 MENS TOILET	302 SF	0.98 W/ft²	296 W	254 W	0.84 W/ft²	
A135 CUSTODIAL	67 SF	0.63 W/ft²	43 W	36 W	0.53 W/ft²	
A136 LOCKER ROOM	268 SF	0.75 W/ft²	201 W	89 W	0.33 W/ft²	
A137 LOCKER ROOM	298 SF	0.75 W/ft²	224 W	89 W	0.30 W/ft²	
A138 P.E OFFICE	167 SF	1.11 W/ft²	185 W	56 W	0.34 W/ft²	
A143 OFFICE	100 SF	1.11 W/ft²	111 W	56 W	0.56 W/ft²	
A148 STORAGE	88 SF	0.63 W/ft²	55 W	36 W	0.41 W/ft²	
A149 TOILET	175 SF	0.75 W/ft²	131 W	110 W	0.63 W/ft²	
A150 COACHES OFFICE	127 SF	1.11 W/ft²	142 W	56 W	0.44 W/ft²	
A151 STORAGE	101 SF	0.63 W/ft²	64 W	36 W	0.36 W/ft²	
A152 COACH OFFICE	88 SF	1.11 W/ft²	98 W	56 W	0.64 W/ft²	
A153 SHOWER	25 SF	0.75 W/ft²	19 W	25 W	1.00 W/ft²	
A154 SHOWER	28 SF	0.75 W/ft²	21 W	25 W	0.89 W/ft²	
A155 MENS TOILET	200 SF	0.75 W/ft²	150 W	110 W	0.55 W/ft²	
A156 SHOWER	31 SF	0.75 W/ft²	23 W	25 W	0.81 W/ft²	
A157 SHOWER	30 SF	0.75 W/ft²	23 W	25 W	0.83 W/ft²	
A158 WOMENS TOILET	203 SF	0.75 W/ft²	152 W	110 W	0.54 W/ft²	
A159 SHOWER	27 SF	0.75 W/ft²	20 W	25 W	0.91 W/ft²	
A163 Space	25 SF	0.75 W/ft²	19 W	25 W	1.00 W/ft²	
A192 Space	65 SF	0.66 W/ft²	43 W	28 W	0.43 W/ft²	
S-1 STAIRS	213 SF	0.69 W/ft²	147 W	56 W	0.26 W/ft²	
S-2 STAIRS	213 SF	0.69 W/ft²	147 W	56 W	0.26 W/ft²	
GRAND TOTAL	24,522 SF		23,562 W	9,957 W		

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

A. MODEL NUMBERS GIVEN IN THIS SCHEDULE MAY NOT INCLUDE ALL OPTIONS AND ACCESSORIES AS NECESSARY TO MEET THE REQUIREMENTS OF THE DESCRIPTION AND SPECIFICATIONS.

B. CONTRACTOR SHALL PROVIDE ALL NECESSARY MOUNTING HARDWARE FOR EACH FIXTURE TYPE. COORDINATE WITH CEILING TYPES AND MOUNTING LOCATIONS.

C. ALL FINISHES SHALL BE CHOSEN FROM THE MANUFACTURER'S CATALOGED/STANDARD OPTIONS UNLESS OTHERWISE NOTED.

D. ALL INTERIOR LIGHT SOURCES SHALL HAVE COLOR RENDERING INDEX RATING OF 80 OR GREATER. ALL EXTERIOR LIGHT SOURCES SHALL HAVE COLOR RENDERING INDEX RATING OF 70 OR GREATER.

E. ALL FIXTURES SHALL BE SUPPLIED WITH UNIVERSAL VOLTAGE INPUT (120/277V) WHERE AVAILABLE FROM THE MANUFACTURER. VOLTAGE LISTED IN THE SCHEDULE IS INTENDED UTILIZATION VOLTAGE.

F. REFER TO THE PLAN DRAWINGS FOR LOCATIONS OF EMERGENCY-DUTY FIXTURES. INCLUDING FIXTURES WITH MULTIPLE CIRCUITS AND/OR EMERGENCY-DUTY SUBSECTIONS. ALL EMERGENCY-DUTY FIXTURES SHALL BE WIRED AND CIRCUITED PER NEC ARTICLE 700 RULES.

G. TO MAINTAIN A UNIFORM AND COORDINATED APPEARANCE ACROSS THE PROJECT, ONLY ONE APPROVED MANUFACTURER SHALL BE SELECTED FOR MULTIPLE FIXTURE TYPES AMONG WHICH A SIMILAR STYLE OR SERIES IS INTENDED. NON-CONFORMANCE SHALL BE JUDGED AT THE ENGINEER'S DISCRETION AND MAY REQUIRE CONTRACTOR'S RESELECTION OF SOME TYPES WITHIN THE LIST OF APPROVED MANUFACTURERS.

H. A BREAK-OUT COST SHALL BE MADE AVAILABLE TO THE BIDDING CONTRACTOR(S) FOR ANY FIXTURE TYPES WHICH LIST A SINGLE PRODUCT. THIS PRICING SHALL BE FURNISHED TO THE ARCHITECT/ENGINEER, CONSTRUCTION MANAGER, AND/OR OWNER UPON REQUEST.

LIGHTING FIXTURE SCHEDULE LINE ITEM NOTES:

1. EMERGENCY LIGHTING CONTROL DEVICES SHALL BE WIRED WITH SUPPLY FROM EMERGENCY LIGHTING CIRCUIT, AND FROM NORMAL/UTILITY LIGHTING CIRCUIT, BOTH LINE AND LOAD SIDE OF RESPECTIVE CONTROL DEVICE(S) FOR THE LIGHTING CONTROL ZONE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.

2. EMERGENCY LIGHTING UNIT EQUIPMENT (INCLUDING BATTERY PACKS, EXIT SIGNS, INVERTERS, ETC.) SHALL HAVE 5-YEAR MANUFACTURER WARRANTY. TEST SWITCH AND CHARGE INDICATOR LIGHT. PROVIDE UNSWITCHED HOT CONDUCTOR FROM RESPECTIVE LOCAL LIGHTING CIRCUIT TO THE BATTERY.

3. COORDINATE EXACT LOCATIONS OF FIXTURES IN UTILITY ROOMS WITH EQUIPMENT, DUCTWORK, PIPING, ETC. IN FIELD TO ACHIEVE UNIFORM ILLUMINATION.

4. PROVIDE FEED POINT ON ENTIRE TRACK SYSTEM ARRANGEMENT WITH 3A CURRENT LIMITER DEVICE AS REQUIRED FOR NEC COMPLIANCE.

5. PROVIDE FEED POINT ON ENTIRE TRACK SYSTEM ARRANGEMENT WITH 12A CURRENT LIMITER DEVICE AS REQUIRED FOR NEC COMPLIANCE.

gmb
Maze Design, Inc.
JEFF D. McGAHA
REGISTERED
PE10910251
STATE OF
INDIANA
PROFESSIONAL ENGINEER
2025.03.18

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

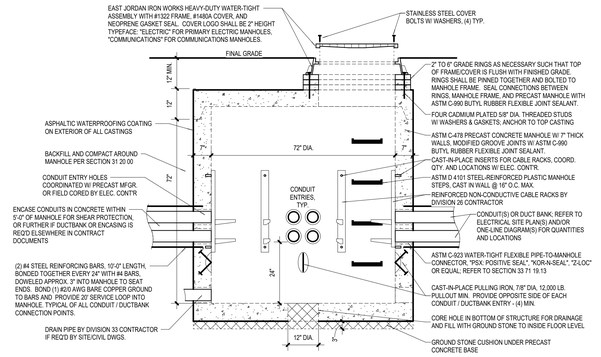
01.06.2025 BIDS & CONSTRUCTION
01.22.2025 ADDENDUM 002

DRAWN JDM
REVIEWED SMS

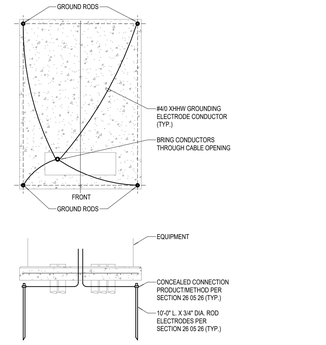
PROJECT NO. 5-6394

LIGHTING FIXTURE SCHEDULE

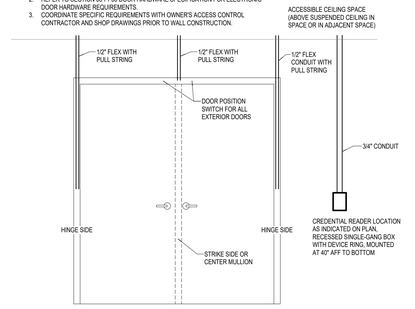
E5.10



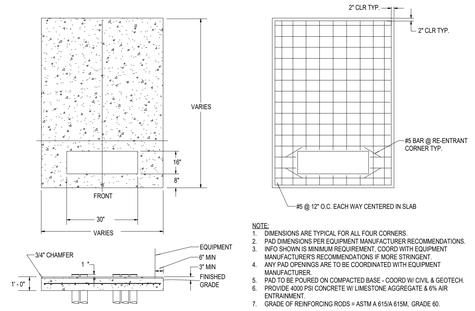
3 E7.01 ELECTRICAL MANHOLE DETAIL
NOT TO SCALE



6 E7.01 EXTERIOR M.V. TRANSFORMER / SWITCHGEAR GROUNDING
NOT TO SCALE



2 E7.01 TYPICAL ROUGH-IN FOR DOORS WITH ELECTRONIC ACCESS CONTROL / MONITORING
NOT TO SCALE



5 E7.01 EXTERIOR M.V. TRANSFORMER PAD
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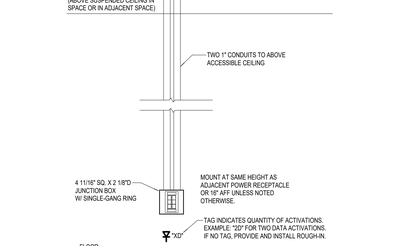

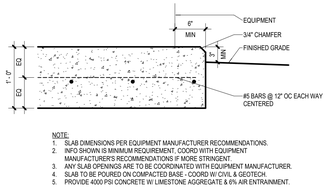

4 E7.01 EXTERIOR EQUIPMENT PAD DETAIL
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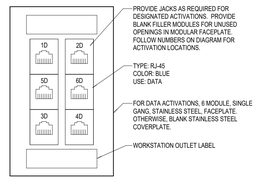
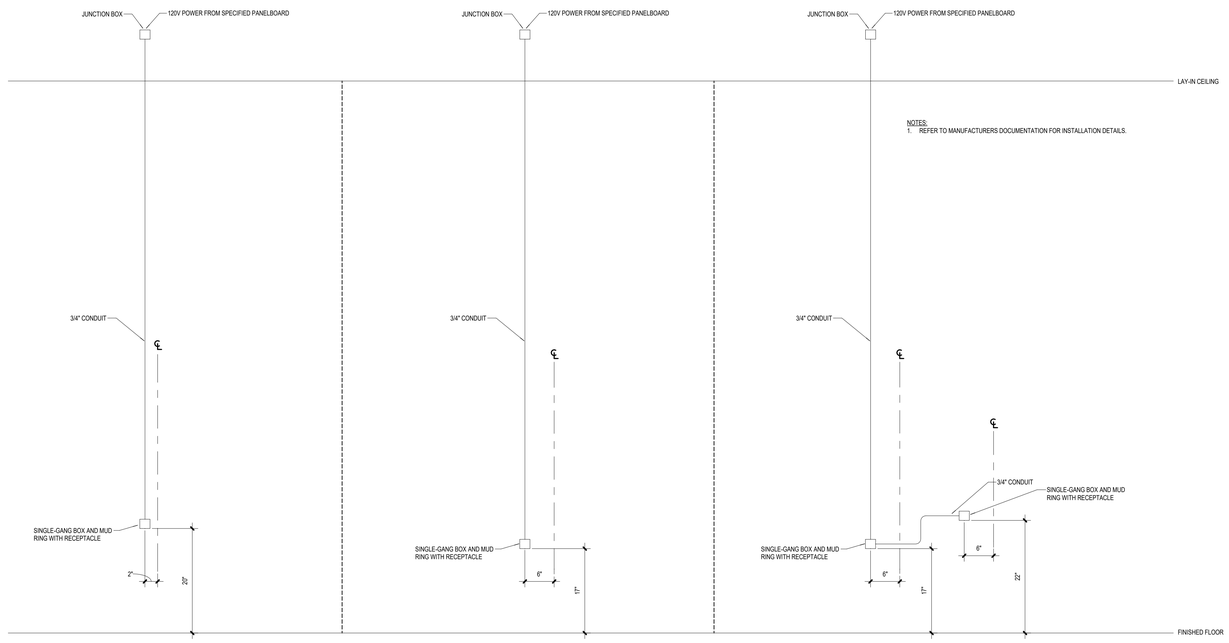


1 E7.01 TYPICAL COMMUNICATION OUTLET
NOT TO SCALE



7 E7.01 TYPICAL EWC ELECTRICAL ROUGH-IN DETAIL
NOT TO SCALE

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gmb
Maze Design, Inc.

JEFF D. McGAHA REGISTERED PE10910251 STATE OF INDIANA PROFESSIONAL ENGINEER
2025.03.18

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

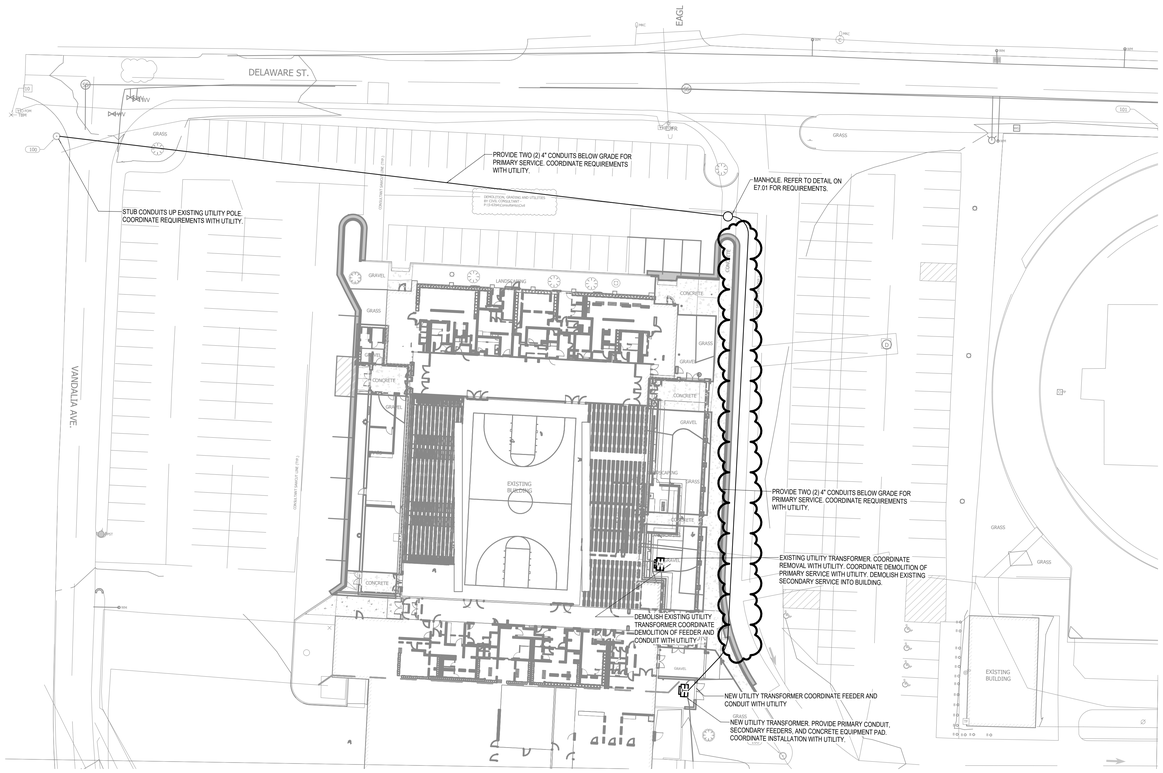
CAMBRIDGE CITY, INDIANA

ISSUANCES
01.06.2025 BIDS & CONSTRUCTION

DRAWN JDM
REVIEWED SMS
PROJECT NO. 5-6394

ELECTRICAL DETAILS

E7.01



SITE ELECTRICAL PLAN

1" = 30'-0"

ELECTRICAL SITE GENERAL NOTES

1. REFER TO SITE/CIVIL PLANS FOR ADDITIONAL INFORMATION.
2. LOCATIONS SHOWN FOR EXISTING UTILITIES (IF ANY) ARE APPROXIMATE AND DERIVED FROM GENERAL OBSERVATION AND/OR AVAILABLE RECORDS. THIS PLAN SHALL NOT BE INTERPRETED AS SHOWING EXACT LOCATIONS OR SHOWING ALL UTILITIES IN THE AREA.
3. CONTRACTOR SHALL FIELD-VERIFY LOCATIONS, SIZES, AND TYPES OF ALL EXISTING UNDERGROUND UTILITIES, CONDUITS, AND CABLES PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES TO IDENTIFY PUBLIC UTILITIES. VERIFY ALL PRIVATE UTILITIES WITH OWNER RECORDS AND MAINTENANCE PERSONNEL.
4. PROTECT THE SITE, ADJACENT PROPERTY, AND UTILITY SERVICES FROM DAMAGE OR DISRUPTION OF SERVICE/ACCESS. DAMAGE TO EXISTING STRUCTURES, SITE, OR UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
5. ALL UNDERGROUND CONDUIT SHALL BE RIGID NONMETALLIC (RNC) TYPE. ALL UNDERGROUND BENDS/ELBOWS SHALL BE GALVANIZED RIGID METALLIC (RMC) TYPE, PROTECTED FROM CORROSION PER CONDUIT SPECIFICATION REQUIREMENTS.
6. INSTALL DETECTABLE UNDERGROUND WARNING TAPE ABOVE ALL UNDERGROUND CONDUITS AND CABLES, COLOR PER APWA UNIFORM COLOR CODE (RED FOR ELECTRIC POWER/LIGHTING, ORANGE FOR COMMUNICATIONS/ALARM/SIGNAL). REFER TO SPECIFICATIONS.
7. ALL EXISTING TREES TO REMAIN SHALL BE CAREFULLY PROTECTED. DO NOT DRIVE HEAVY EQUIPMENT WITHIN 12 FEET OF TREE TRUNKS. BRANCHES WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE CUT OUT AS DIRECTED BY THE ARCHITECT/ENGINEER. ANY ROOTS OF EXISTING TREES TO REMAIN WHICH ARE EXPOSED DUE TO DEMOLITION SHALL BE COVERED WITHIN 6 HOURS WITH SOIL. DAMAGED TREES SHALL BE REPLACED AT THE DISCRETION OF THE ARCHITECT/ENGINEER AT THE EXPENSE OF THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
8. PATCH AND REPAIR GRASS AND/OR OTHER IMPROVED PLANTINGS AS REQUIRED WHERE NEW UNDERGROUND CONDUITS, CABLES, AND/OR DUCTBANKS ARE INSTALLED. CONTRACTOR SHALL BACKFILL TRENCHES, LEVEL OUT SOIL FLUSH WITH GRADE, AND REMOVE ANY EXCESS MATERIAL PRIOR TO SEEDING REPAIR.
9. CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND REPAIR ANY EXISTING SURFACE FINISHES AND OTHER ITEMS THAT ARE DISTURBED DURING THE COURSE OF DEMOLITION AND CONSTRUCTION, INCLUDING GRASS, CONCRETE, ASPHALT, LANDSCAPING, FENCING, STRUCTURES, IRRIGATION, UNDERGROUND UTILITIES, ETC.

gmb

Maze Design, Inc.

JEFF D. McGAHA REGISTERED PE10910251 STATE OF INDIANA PROFESSIONAL ENGINEER

2025.03.18

WESTERN WAYNE SCHOOLS ADDITIONS & RENOVATIONS - BID PACKAGE #1

WESTERN WAYNE SCHOOLS

CAMBRIDGE CITY, INDIANA

ISSUANCES

01.06.2025 BIDS & CONSTRUCTION
01.22.2025 ADDENDUM 002

DRAWN JDM
REVIEWED SMS

PROJECT NO. 5-6394

SITE ELECTRICAL PLAN

ES2.01