MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

101 HOME RD, MT GILEAD, OHIO 43338

100% CONSTRUCTION DOCUMENTS
SEPTEMBER 25, 2026

CONTACT INFORMATION

MORROW COUNTY COMMISSIONERS
80 N. WALNUT ST
MT GILEAD, OHIO 43338
419.947.4085

MORROW COUNTY SHERIFF'S OFFICE
101 HOME RD
MT GILEAD, OHIO 43338
419.946.4444

COUNTY COMMISSIONERS

COUNTY COMMISSIONER	JON MASON
COUNTY COMMISSIONER	TIM SIEGFRIED
COUNTY COMMISSIONER	TIM ABRAHAM

SHERIFF'S OFFICE

SHERIFF	JOHN L. HINTON

COUNTY ADMINISTRATOR

JAMIE BRUCKER

DLZ PROJECT NO. 2421-4009-00

ARCHITECT/ENGINEER:

DLZ Engineers Architects Surveyors Construction Services
DLZ Architecture, Inc.

6121 Huntley Rd.
Columbus, OH 43229
Ph: 614.888.0040
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ELECTRICAL ENGINEER:

AEC Advanced Engineering Consultants

1405 Dublin Road
Columbus, Ohio 43215
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EACH SEAL APPLIES TO ITS DESIGNATED DISCIPLINE.

ARCHITECTURAL	CIVIL	STRUCTURAL	MECHANICAL/ PLUMBING / FIRE PROTECTION	ELECTRICAL
STATE OF OHIO · KAREN E. JURICIC · 2218789 · REGISTERED ARCHITECT · 9.25.26	STATE OF OHIO · KENNETH A WHITE II · E-82248 · REGISTERED PROFESSIONAL ENGINEER	STATE OF OHIO · ELLIOTT G. ALLEN · PE# 74895 · REGISTERED PROFESSIONAL ENGINEER · 2026/09/25	STATE OF OHIO · KYUNG-HOON BANG · PE.83597 · REGISTERED PROFESSIONAL ENGINEER · 2026.09.22 12:22:00	STATE OF OHIO · PHILLIP L. REEB JR · E-19926 · REGISTERED PROFESSIONAL ENGINEER · 09/28/26
Karen Juricic, AIA	Ken White, PE 9.25.26	Elliott G. Allen, PE	Kyung-Hoon Bang, PE	PJ Reeb, PE

GENERAL NOTES

A. CONTRACTOR IS RESPONSIBLE TO CONFORM WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS INCLUDING APPLICABLE ORDINANCES AND REFERENCED STANDARDS.

B. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO SUBMITTING A BID OR BEGINNING ANY WORK. CONDITIONS FOUND TO BE IN VARIANCE FROM THE INFORMATION IN THE DRAWINGS OR PROJECT MANUAL SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING FOR CLARIFICATION.

C. KEYNOTES ARE MEANT AS A GENERAL GUIDE FOR TYPICAL LOCATIONS. CONTRACTOR TO PERFORM FULL EXTENT OF WORK REQUIRED TO ACCOMPLISH DESIGN INTENT. THE ABSENCE OF A KEYNOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY INDICATED ON THE DRAWINGS.

D. SPECIFIC WORK ITEMS SHALL BE COORDINATED AND INTERFACED WITH ALL OTHER TRADES TO ALLOW FOR NEW CONSTRUCTION AND COMPLETE INSTALLATION AS REQUIRED TO ACCOMPLISH DESIGN INTENT.

E. REFER TO DRAWINGS OF EACH TRADE OR DISCIPLINE FOR ADDITIONAL GENERAL NOTES AND INFORMATION, INCLUDING CIVIL/SITE DEVELOPMENT, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL.

F. CONTRACTOR IS RESPONSIBLE FOR ALL WORK IDENTIFIED ON ALL DRAWINGS AND INFORMATION IN THE PROJECT MANUAL, AS A COMPLETE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC SCOPE OF WORK FOR ANY SUBCONTRACTORS FOR THIS PROJECT.

G. FIELD VERIFY ACTUAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES, STRUCTURES, WATER LINES, STORM AND SANITARY LINES, GAS LINES, ELECTRICAL CONDUIT, AND OTHER UNDERGROUND UTILITIES PRIOR TO PERFORMING EARTHWORK, EXCAVATION, OR UTILITY WORK. ENGAGE THE SERVICES OF A PRIVATE UTILITY LOCATE COMPANY IF NECESSARY TO COMPLETELY LOCATE EXISTING UNDERGROUND UTILITIES AND STRUCTURES.

H. LOCATION OF ALL TEMPORARY FACILITIES SHALL BE COORDINATED WITH OWNER AND ARCHITECT PRIOR TO MOBILIZATION ON-SITE, INCLUDING BUT NOT LIMITED TO TEMPORARY STAGING AREA, MATERIAL STORAGE AREA, ACCESS DRIVE(S), PARKING AREA, TOPSOIL STOCKPILE AREA, WASTE DISPOSAL AREA, FIELD OFFICES AND TEMPORARY FACILITIES, JOB SIGN, AND TEMPORARY FENCING.

I. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MISCELLANEOUS BLOCKING REQUIRED FOR INSTALLATION OF ALL BUILDING COMPONENTS, INCLUDING BUT NOT LIMITED TO FURNISHINGS, FIXTURES, EQUIPMENT, HARDWARE, BRACKETS, AND OWNER-PROVIDED EQUIPMENT. CONTRACTOR SHALL COORDINATE SPECIFIC REQUIREMENTS ASSOCIATED WITH EACH TRADE AND WITH OWNER'S REPRESENTATIVE.

J. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MISCELLANEOUS WOOD AND METAL TRIM, FLASHING, CLIP ANGLES, ANCHORS, SUPPORTS, AND CLOSURE TRIM REQUIRED TO PROVIDE A COMPLETE, UNIFORM, AND WEATHERTIGHT ASSEMBLY AS REQUIRED TO ACCOMPLISH THE DESIGN INTENT.

K. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORY COMPONENTS AS REQUIRED TO FULLY COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.

L. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, FIRE PROTECTION OR ELECTRICAL ITEMS MAY BE REQUIRED. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE WALL ASSEMBLY.

M. WHERE DISCREPANCIES EXIST IN THE CONTRACT DOCUMENTS INCLUDING DISCREPANCIES BETWEEN DRAWINGS AND PROJECT MANUAL, CONTRACTOR SHALL REQUEST CLARIFICATION IN WRITING FROM ARCHITECT. THE CONTRACTOR SHALL NOT ASSUME ANY ITEM TAKES PRECEDENCE OVER THE OTHER. ANY ACTION THE CONTRACTOR MAKES PRIOR TO NOTIFICATION IN WRITING SHALL BE SOLELY AT THE CONTRACTOR'S RISK.

N. CONTRACTOR SHALL SEAL ALL PENETRATIONS IN EXTERIOR WALL AND ROOF ASSEMBLIES WITH APPROPRIATE JOINT SEALANT(S) AND FLASHING(S) TO MAINTAIN A WEATHERTIGHT AND AIRTIGHT BUILDING ENVELOPE. ALL JOINTS AND PENETRATIONS SHALL BE SEALED, GASKETED, OR WEATHER-STRIPPED TO MINIMIZE AIR LEAKAGE, INCLUDING THE FOLLOWING:
   1. JOINTS AROUND FENESTRATION AND DOOR FRAMES.
   2. JUNCTIONS BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AT BUILDING CORNERS, BETWEEN WALLS AND FLOORS OR ROOFS, AND BETWEEN WALLS AND ROOF OR WALL PANELS.
   3. OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH ROOFS, WALLS, AND FLOORS.
   4. JOINTS, SEAMS, AND PENETRATIONS OF VAPOR RETARDERS.
   5. ALL OTHER OPENINGS IN THE BUILDING ENVELOPE.

O. COORDINATE WITH OTHER CONSTRUCTION ACTIVITIES AND CONSTRUCTION SEQUENCING WITH OTHER PROJECT(S) AND WORK BEING PERFORMED CONCURRENTLY ON-SITE.

P. BUILDING ELEVATION 100'-0" EQUALS EXISTING GROUND FLOOR BUILDING ELEVATION.

Q. CONTRACTOR TO PROTECT ALL ITEMS WITHIN THE CONSTRUCTION LIMITS (INCLUDING SITE ELEMENTS) THAT ARE DESIGNATED TO REMAIN; ITEMS DAMAGED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.

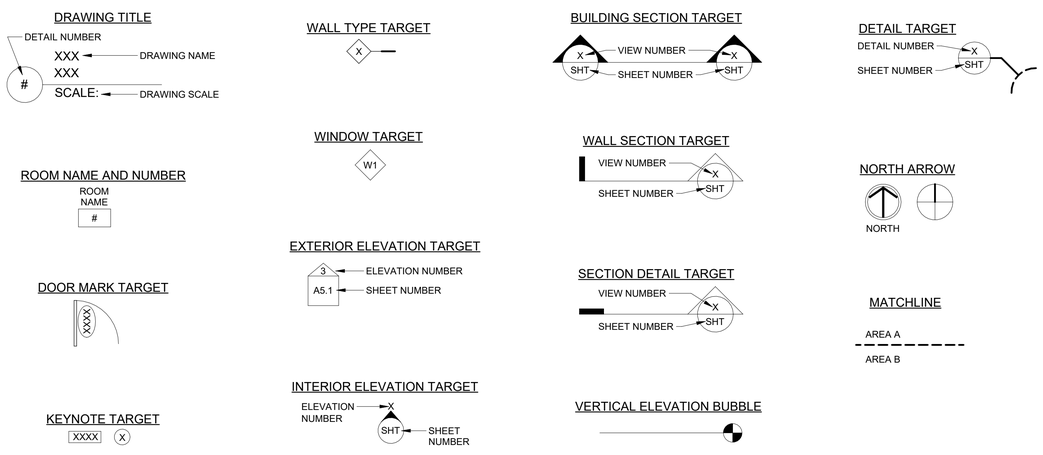
R. ALL PENETRATIONS AND JOINTS IN FIRE-RATED WALL ASSEMBLIES AND FLOOR/CEILING ASSEMBLIES SHALL BE SEALED WITH THE FIRESTOPPING SYSTEM OR FIRE-RESISTIVE JOINT SYSTEM WHICH IS THE MOST APPROPRIATE FOR THE SPECIFIC APPLICATION BASED ON THE TYPE OF ASSEMBLY AND TYPE OF PENETRATING ELEMENT. SYSTEMS SHALL BE U.L.-LISTED FOR EACH APPLICATION.

S. ALL VERTICAL FENESTRATION (OPERABLE AND FIXED GLAZED ASSEMBLIES) SHALL BE LABELED BY THE MANUFACTURER WITH U-FACTOR, SHGC RATING, SAFETY RATING, AND FIRE-RESISTANCE RATING, WHERE APPLICABLE. WINDOWS AND DOORS SHALL BE CERTIFIED AS MEETING AIR LEAKAGE REQUIREMENTS PER NFRC 400.

T. THESE DRAWINGS SHALL NOT BE SCALED TO OBTAIN DIMENSIONS. IF THE DIMENSIONS CANNOT BE DETERMINED BY THE INFORMATION GIVEN, CONTRACTOR SHALL REQUEST CLARIFICATION FROM THE ARCHITECT. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR FACE OF CONCRETE, UNLESS NOTED OTHERWISE. CEILING HEIGHT DIMENSIONS ARE FROM FINISHED FLOOR TO FACE OF FINISHED CEILING MATERIALS, UNLESS NOTED OTHERWISE.

U. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY DEWATERING ACTIVITIES.

SYMBOLS



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DLZ
Connect. Build. Thrive.
DLZ Architecture, Inc.

STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JMH/H | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

GENERAL NOTES AND INFORMATION

DRAWING NUMBER G1.1 GENERAL

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
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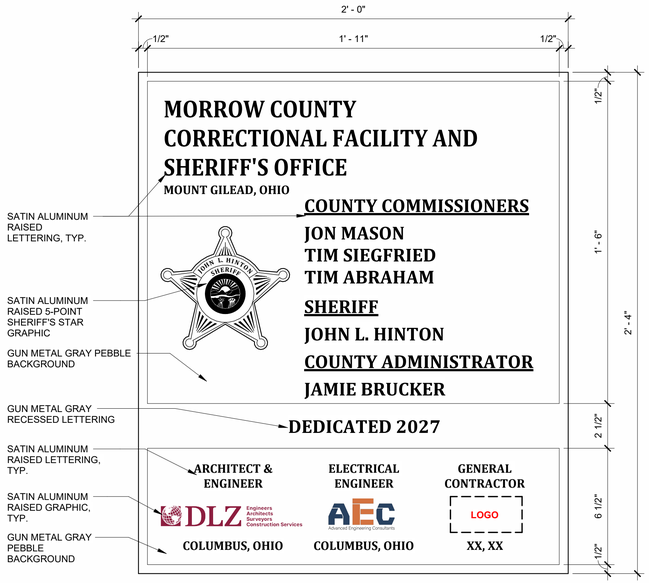
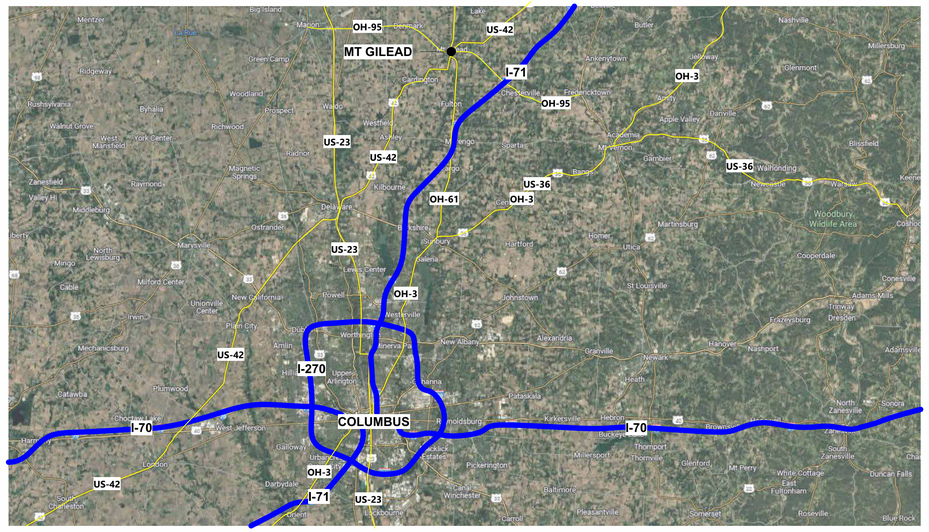
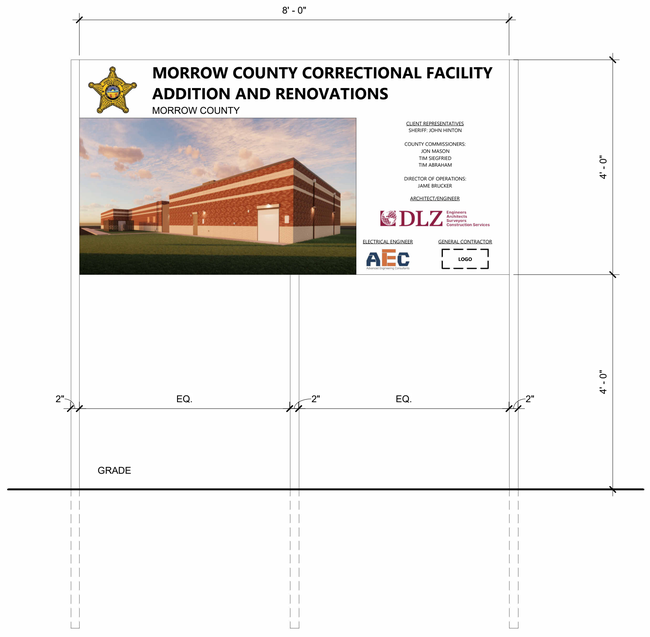
DEDICATION PLAQUE



VICINITY MAP



PROJECT SIGN



PROJECT SIGN MATERIALS:
SINGLE SIDED SIGN PANEL TO BE DIGITALLY PRINTED GRAPHICS AND LETTERING ON 6MM ALUMINUM COMPOSITE BOARD.
SUPPORT BY THREE STANDARD 2" SQUARE TUBULAR GALVANIZED POSTS.

1. CONTRACTOR SHALL FURNISH AND INSTALL (1) PROJECT SIGN
2. SHOP DRAWING - EXAMPLE OF LOGO COLORS TO BE APPROVED FOR CONTRACTOR'S USE TO MATCH.
3. SUBMIT COLOR SIGN PROOF, TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
4. LETTERS SHALL BE THE COLOR "BLACK."
5. BACKGROUND SHALL BE THE COLOR "WHITE."

PROJECT LOCATION MAP

DLZ
Connect. Build. Thrive.
DLZ Architecture, Inc.

STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JMAH | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

PROJECT LOCATION AND SIGNS

DRAWING NUMBER: G1.2
GENERAL

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
9/28/2026 8:09:52 AM

CODE SUMMARY

PREPARED BY RTM CONSULTANTS, INC. 9/24/2026

Applicable Codes:	2024 Ohio Building Code* 2017 Ohio Fire Code 2023 National Electrical Code 2024 Ohio Mechanical Code 2024 Ohio Plumbing Code 2021 Ohio Energy Conservation Code *Code referenced unless otherwise noted.
Project Scope:	The project involves a 1-story addition to and renovation of the existing building.
Occupancy Classification for Addition:	Jail Facility and support functions where doors are locked: I-3 Occupancy - Conditions 3 & 4 [308.4] Administrative Offices and rooms or spaces used for assembly purposes that are less than 750 square feet in area or have a calculated occupant load less than 49.: B Occupancy [304.1, 303.1.2]
Construction Type:	Type IIIB Construction existing
Allowable Area - I-3 Occupancy:	Tabular: 22,500 sf [Table 506.2] Frontage: + 5,625 sf [506.3] Allowable: 28,125 sf
Allowable Area - B Occupancy:	Tabular: 76,000 sf [Table 506.2] Frontage: +14,250 sf [506.3] Allowable: 90,250 sf
Allowable Height - I-3 Occupancy:	2 stories, 75 feet [Table 504.3, Table 504.4]
Allowable Height - B Occupancy:	1 story, 75 feet based upon using area increase for a single story building [Table 506.2, Table 504.4]
Building Elements- Fire Resistive Requirements:	Structural frame, interior walls, floor and roof assemblies are permitted to be combustible, non-rated construction. Exterior walls must be non-combustible construction, exterior bearing walls must be 2-hour rated. [Table 601]
Exterior Walls- Fire Resistive Requirements:	Non-bearing exterior walls required to be 1-hour rated where having a fire separation distance less than 30 feet. [Table 705.5]

Maximum Area of Exterior Wall Openings:	Sprinklered - Unprotected Openings - Fire Separation: < 3 feet- none permitted >3 < 5 feet- 15 % >5 < 10 feet- 25 % >10 < 15 feet- 45 % >15 < 20 feet- 75 % >20 feet - Unlimited [Table 705.8]
Occupancy Separations:	The existing building is designed as separated mixed uses with a 3-hour separation between the B and I-3 Occupancies. The Sheriff's office expansion will be separated with 3-hour construction. [508.4] Mixed Uses Allowable Area: 24,198 sf + 5,807 sf = 0.92 < 1 28,125 sf 90,250 sf
Incidental Uses:	None in scope of work.
Smoke Barriers:	1-hour smoke barrier wall required on each story to divide into 2 smoke compartments such that there is a maximum of 200 residents in any smoke compartment. A means of egress must be provided from each smoke compartment created by smoke barriers without having to return through the smoke compartment from which means of egress originates. [408.6]
Subdivision of Resident Housing Areas- Occupancy Conditions 3 & 4:	Each sleeping area must be separated from the adjacent common spaces by a smoke-tight partition where the travel distance from the sleeping area through the common space to the corridor exceeds 50 feet [408.8.1]
Openings in Room Face:	The aggregate area of openings in a solid sleeping room face in Occupancy Conditions 3 and 4 must not exceed 120 square inches. The aggregate area must include all openings including door undercuts, food passes and grilles. Openings must be not more than 36 inches above the floor. [408.8.3]
Fire Dampers:	Required for duct penetrations of 3-hour fire barrier walls. [717.5]
Smoke Dampers:	Required for duct penetrations of smoke barriers when the openings in ducts are not limited to a single smoke compartment. Smoke dampers are not required in corridor penetrations where the duct is constructed of steel not less than 0.019 inch in thickness and there are no openings serving the corridor. [717.5.4, 717.5.5]
Fire Doors:	3-hour fire barriers: 3-hour rated Smoke barriers: 20-minute rated 1-hour corridors: 20-minute rated Rated doors must be automatic or self-closing. [Table 716.1(2)]
Occupant Load Factors:	Sleeping areas: 120 sq. ft./occ. Office: 150 sq.ft./occ. [T able 1004.5]
Means of Egress:	Two means of egress must be provided from a room when the occupant load of the room exceeds 10 in I-3 Occupancies and 49 in B Occupancies. [Table 1006.2.1]
Travel Distance:	The maximum travel distance to an exit (exterior exit or enclosed stairway) is 300 feet for B Occupancies and 200 feet for I-3 Occupancies. [Table 1017.2] The maximum permitted common path of travel is 100 feet for a B and I-3 Occupancies. [Table 1006.2.1] The travel distance to a door in the smoke barrier from any room door required as exit access must not exceed 150 feet. The travel distance from any point to reach a door in the smoke barrier must not exceed 200 feet. [408.6.1]
Exits:	2 exits required for an occupant load of 1-500 [1006.3.3] An exit capacity of 0.2 in/occupant must be provided for horizontal travel such as doors, ramps, etc. and 0.3 in/occupant for stairs. [1005.3]

Arrangement of Exits:	When two exits or exit access doorways are required, they must be separated by at least one-third of the overall diagonal dimension of the area served. [1007.1.1]
Corridors:	Corridors are required to be 1-hour rated where serving the I-3 Occupancy, non-rated corridors permitted for all other occupancies. [Table 1020.2] Corridors must be a minimum of 44 inches in clear and unobstructed width. Corridors serving an occupant load less than 50 must not be less than 36 inches in clear and unobstructed width. [T able 1020.3] 50 feet maximum dead end permitted for corridors serving B and I-3 (Conditions 3 & 4) Occupancies. [1020.5]
Doors:	Door width must be a minimum of 32 inches clear, except for storage closets less than 10 sf in area. A single door leaf must not exceed 48 inches. [1010.1.1] Exit doors are required to be side-hinged swinging type, except for office or storage areas with an occupant load of less than 10, and I-3 Occupancies. Manually operated horizontal sliding doors permitted from rooms with an occupant load that does not exceed 10. [1010.1.2] Side-hinged swinging doors must swing in the direction of egress travel where serving a room or area containing an occupant load of 50 or more persons. [1010.1.2.1] In buildings within correctional and detention facilities, doors in means of egress serving rooms or spaces occupied by persons whose movements are controlled for security reasons are permitted to be locked where equipped with egress control devices that unlock manually and by not less than one of the following means: 1. Activation of an automatic sprinkler system per NFPA 13. 2. Activation of an approved manual fire alarm box. 3. A signal from a constantly attended location. [1010.2.15]
Panic Hardware:	Not required for Group B or I Occupancies. [1010.2.9]
Automatic Sprinklers:	Automatic sprinkler system required throughout buildings with a Group I fire area. [903.2.6]
Fire Alarm System:	Fire alarm system is required throughout the building. Actuation of an automatic fire-extinguishing system, a manual fire alarm box or a fire detector must initiate an approved fire alarm signal which automatically notifies staff in I-3 Occupancies. Manual fire alarm boxes can be omitted where the fire alarm boxes are provided at staff-attended locations having direct supervision over areas where manual fire alarm boxes have been omitted. Manual fire alarm boxes are permitted to be locked in areas occupied by detainees, provided that staff members are present within the subject area and have keys readily available to operate the manual fire alarm boxes. [907.2.6.3]
Smoke Detectors:	An automatic smoke detection system must be installed throughout resident housing areas, including sleeping units and contiguous day rooms, group activity spaces and other common spaces normally accessible to residents. [907.2.6.3.3] Smoke detectors must be installed in return air systems with a design capacity greater than 2,000 cfm, in the return air duct. [606.2, OMC]
Smoke Control System:	An engineered smoke control system is required for I-3 Occupancy areas where windows are nonopenable or not readily breakable. [408.9]
Illumination of Means of Egress:	Illumination must be provided for required means of egress as well as the exit discharge that leads to a public way at all times the building space served by the means of egress is occupied. [1008.1]

Emergency Lighting:	Emergency lighting is required at exterior landings in buildings that require more than one exit, corridors, stairs, electrical equipment rooms, fire pump rooms, public restrooms greater than 300 square feet, and required in rooms and spaces that require two or more means of egress. [1008.3]
Exit Signs:	Exit signs required to indicate the direction of egress travel for rooms and areas that require more than one exit access. [1013.1]

OCCUPANCY USE GROUP LEGEND

USE GROUP I-3
NEW CONSTRUCTION

USE GROUP I-3
EXISTING CONSTRUCTION

USE GROUP B
NEW CONSTRUCTION

USE GROUP B
EXISTING CONSTRUCTION

USE GROUP SUMMARY

USE GROUP	ALLOWABLE HEIGHT	ALLOWABLE AREA	ACTUAL AREA
B OCCUPANCY	75'	**90,250 SF**	5,807 SF
I-3 OCCUPANCY	75'	**28,125 SF**	24,198 SF
Grand total			30,005 SF

SEISMIC DESIGN

STRUCTURES AND PORTIONS THEREOF SHALL, AT A MINIMUM, BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF SEISMIC GROUND MOTION. SEE STRUCTURAL SHEET S0.1.

THERMAL VALUES

1. CLIMATE ZONE (5A) (OHIO ENERGY CODE 2021 C301 TABLE C301.1)
2. OVERALL BUILDING CONSTRUCTION SHALL MEET OR EXCEED OHIO ENERGY CONSERVATION CODE REQUIREMENTS
   a. METAL STUD WALLS: R-13 + R-10 CONTINUOUS INSULATION
   b. CMU WALLS: R-11.5 CONTINUOUS INSULATION
   c. ROOFS: MINIMUM R-30
   d. PERIMETER FOUNDATION: MINIMUM R-7.5 CONTINUOUS INSULATION
   e. SLAB-ON-GRADE FLOOR: MINIMUM R-15 FOR 24" BELOW
   f. OPAQUE DOORS: U-.37 MAX.
   g. FENESTRATION: U-.36 MAX.

LIFE SAFETY LEGEND

PATH OF EXIT ACCESS
TRAVEL DISTANCE

EXIT

FE-1 MULTIPURPOSE FIRE EXTINGUISHER WALL MOUNTED BRACKET

FE-2 WET CHEMICAL FIRE EXTINGUISHER WALL MOUNTED BRACKET

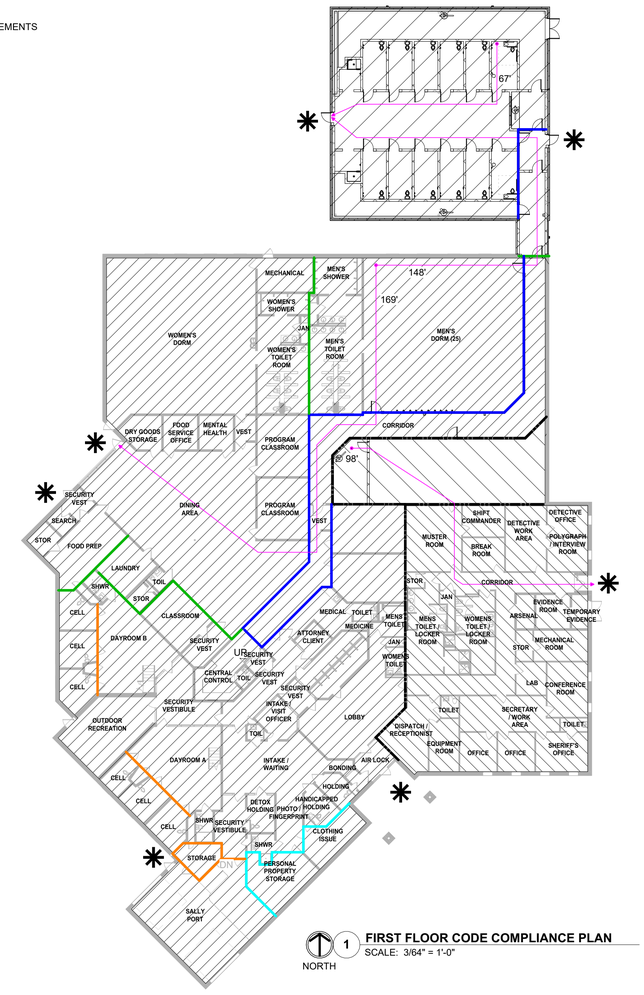
FE-3 CLEAN AGENT FIRE EXTINGUISHER WALL MOUNTED BRACKET

FEC-1 FEC-1: SEMI-RECESSED NON-RATED FIRE-PROTECTION CABINET.
FEC-1 FR: SEMI-RECESSED RATED FIRE-PROTECTION CABINET.

FEC-2 FEC-2: SURFACE MOUNT NON-RATED SECURITY FIRE PROTECTION CABINET.

FEC-3 FEC-3: SEMI-RECESSED NON-RATED SECURITY FIRE-PROTECTION CABINET.
FEC-3 FR: SEMI-RECESSED RATED SECURITY FIRE-PROTECTION CABINET.

NOTE: IF A SEMI-RECESSED FEC IS GRAPHICALLY INDICATED IN A RATED WALL, PROVIDE A FIRE RATED CABINET. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.



1 **FIRST FLOOR CODE COMPLIANCE PLAN**
SCALE: 3/64" = 1'-0"
NORTH

CODE COMPLIANCE LEGEND

3-HOUR FIRE BARRIER (IBC 2021 SECTION 707)

CONTINUITY. FIRE BARRIERS SHALL EXTEND FROM TOP OF FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE INCLUDING CONTINUITY THROUGH CONCEALED SPACES, SUCH AS THOSE FOUND ABOVE SUSPENDED CEILINGS AND INTERSTITIAL STRUCTURAL AND MECHANICAL SPACES.

OPENINGS. 1.5-HOUR MINIMUM FIRE-RATED ASSEMBLY AND TRANSOMS FOR DOORS, SIDELIGHTS AND 2-HOUR MINIMUM AT STAIR ENCLOSURES. FIRE RATED ASSEMBLY FOR DOORS, SIDELIGHTS AND TRANSOMS AT OTHER LOCATIONS.

JOINTS. JOINTS IN OR BETWEEN THE 1-HOUR FIRE BARRIERS SHALL BE PROTECTED BY A FIRE-RESISTANT JOINT SYSTEM DESIGNED TO RESIST THE PASSAGE OF FIRE FOR A TIME PERIOD NOT LESS THAN 1.5-HOUR.

1-HOUR FIRE BARRIER (IBC 2021 SECTION 707)

CONTINUITY. FIRE BARRIERS SHALL EXTEND FROM TOP OF FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE INCLUDING CONTINUITY THROUGH CONCEALED SPACES, SUCH AS THOSE FOUND ABOVE SUSPENDED CEILINGS AND INTERSTITIAL STRUCTURAL AND MECHANICAL SPACES.

OPENINGS. FOR STAIR FIRE RATED SIDELIGHTS AND LOCATIONS. 1-HOUR MINIMUM FIRE-RATED ASSEMBLY DOORS, SIDELIGHTS AND TRANSOMS AT ENCLOSURES. 3/4-HOUR MINIMUM ASSEMBLY FOR DOORS, TRANSOMS AT OTHER

JOINTS. FIRE A FIRE-TO RESIST PERIOD NOT JOINTS IN OR BETWEEN THE 1-HOUR BARRIERS SHALL BE PROTECTED BY RESISTANT JOINT SYSTEM DESIGNED THE PASSAGE OF FIRE FOR A TIME LESS THAN 1-HOUR.

1-HOUR SMOKE BARRIERS (IBC 2021 SECTION 709)

CONTINUITY. SMOKE BARRIERS SHALL BE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL AND FROM TOP OF FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE INCLUDING CONTINUITY THROUGH CONCEALED SPACES, SUCH AS THOSE FOUND ABOVE SUSPENDED CEILINGS AND INTERSTITIAL STRUCTURAL AND MECHANICAL SPACES.

OPENINGS. 1/3-HOUR MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING. 3/4-HOUR MINIMUM SIDELIGHT/TRANSOM ASSEMBLY RATING.

JOINTS. JOINTS IN OR BETWEEN THE 1-HOUR SMOKE BARRIERS SHALL BE PROTECTED BY A FIRE-RESISTANT JOINT SYSTEM DESIGNED TO RESIST THE PASSAGE OF FIRE FOR A TIME PERIOD NOT LESS THAN 1-HOUR.

1-HOUR FIRE PARTITIONS (IBC 2021 SECTION 708) CORRIDORS

CONTINUITY. FIRE PARTITIONS SHALL EXTEND FROM TOP OF FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE OR TO FIRE-RESISTANCE RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY ABOVE.

OPENINGS. 1/3-HOUR MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING. 3/4-HOUR MINIMUM SIDELIGHT/TRANSOM ASSEMBLY RATING.

JOINTS. JOINTS IN OR BETWEEN THE 1-HOUR FIRE PARTITIONS SHALL BE PROTECTED BY A FIRE-RESISTANT JOINT SYSTEM DESIGNED TO RESIST THE PASSAGE OF FIRE FOR A TIME PERIOD NOT LESS THAN 1-HOUR.

SMOKE TIGHT PARTITION (NON-FIRE RATED)

CONTINUITY. SMOKE TIGHT CONSTRUCTION SHALL EXTEND FROM TOP OF FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE OR TO THE UNDERSIDE OF A CEILING ABOVE WHERE THE CEILING MEMBRANE IS CONSTRUCTED TO LIMIT THE TRANSFER OF SMOKE.

OPENINGS. NON-FIRE-RATED ASSEMBLIES SEALED TO RESIST THE PASSAGE OF SMOKE.

JOINTS. JOINTS IN OR BETWEEN THE SMOKE TIGHT PARTITIONS SHALL BE FILLED WITH AN APPROVED MATERIAL TO LIMIT THE FREE PASSAGE OF SMOKE.

NOTE: RATINGS CONTINUE ABOVE AND/OR BELOW OPENINGS IN FIRE WALLS/PARTITIONS/BARRIERS AND SMOKE BARRIERS/PARTITIONS

NOTE:
ELEMENTS ON THIS DRAWING ARE IDENTIFIED BY VARIOUS COLORS. IF THIS NOTE IS NOT RED, THIS DRAWING IS NOT IN COLOR AND NEEDS TO BE REPRINTED IN COLOR.

DLZ
Connect. Build. Thrive.
DLZ Architecture, Inc.

STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JMH | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

CODE ANALYSIS AND COMPLIANCE PLAN

DRAWING NUMBER G1.3

GENERAL

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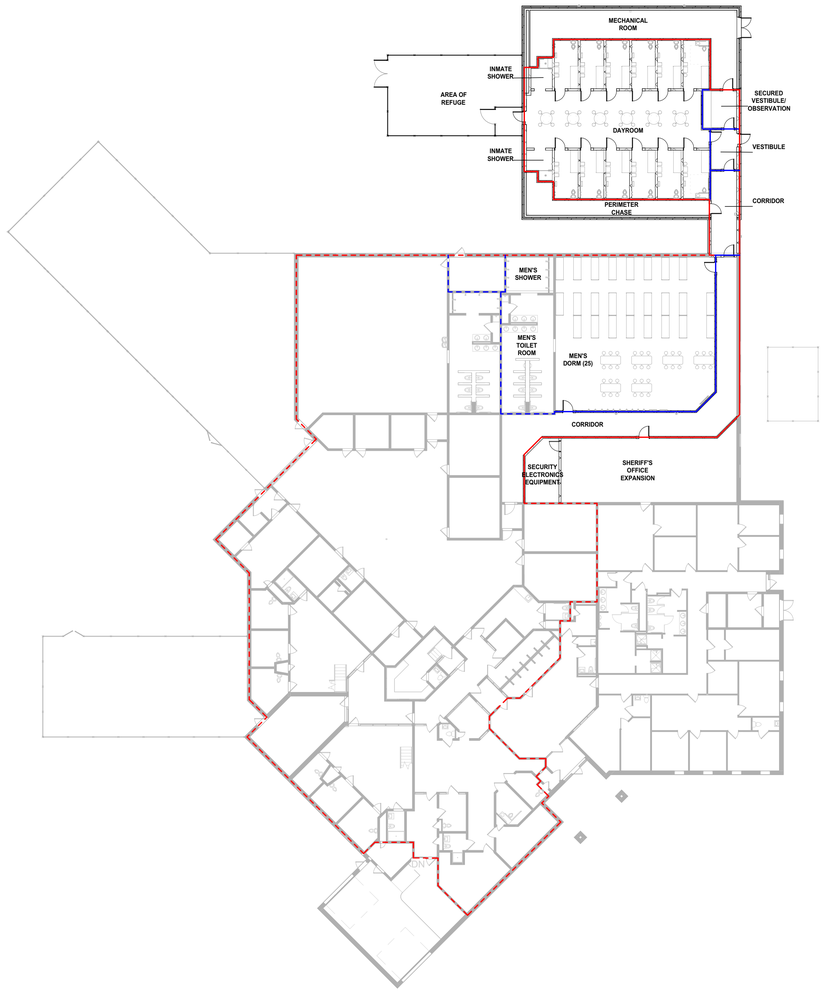

1 **FIRST FLOOR SECURITY PLAN**
SCALE: 3/64" = 1'-0"
NORTH

GENERAL NOTES: SECURITY PLAN

1. SECURITY BARRIERS AT HVAC PENETRATIONS. PROVIDE A SECURITY BARRIER AT ALL OPENINGS GREATER THAN 8" x 8" LOCATED IN SECURITY WALLS, CEILINGS, FLOORS AND ROOF ASSEMBLIES ENCLOSING SECURE AREAS - WHETHER GRAPHICALLY INDICATED OR NOT.
   A. OPENINGS GREATER THAN 8" X 8" SHALL HAVE A MAXIMUM DIMENSION OF 5" IN ONE DIRECTION.
   B. REFER TO MECHANICAL DRAWINGS FOR LOCATION AND SIZE OF DUCTS AND OTHER HVAC PENETRATIONS.
   C. SECURITY BARRIERS ARE NOT REQUIRED BEHIND SECURITY AIR GRILLES AND/OR SECURITY DIFFUSERS UNLESS SPECIFICALLY NOTED.
   D. SECURITY BARS AT DUCT PENETRATIONS ARE SPECIFIED IN SECTION 233300 "AIR DUCT ACCESSORIES".
2. PROVIDE SECURITY ACCESS DOORS AT LOCATIONS WHERE MECHANICAL OR ELECTRICAL DEVICES REQUIRE ACCESS THROUGH NON-ACCESSIBLE SECURITY WALLS, FLOORS OR CEILINGS WHETHER SHOWN OR NOT SHOWN ON DRAWINGS.
3. GLAZING IN DOORS AND WINDOWS SHALL BE CONSISTENT WITH THE SECURITY GRADE RATING OF THE WALLS IN WHICH THEY ARE LOCATED - UNLESS SCHEDULED TO A HIGHER RATING.
4. PROVIDE SECURITY SEALANT AT ALL JOINTS RECEIVING JOINT SEALANTS INSIDE THE SECURE PERIMETER OF THE FACILITY. SECURITY SEALANTS ARE SPECIFIED IN SECTION 079200 "JOINT SEALANTS".
5. SECURITY WALLS LISTED BELOW ARE FOR MINIMUM SECURITY REQUIREMENTS ONLY TO MEET THE SECURITY GRADES LISTED.
6. REFER TO WALL TYPES ON DRAWING A3.1 FOR WALL MATERIALS AND WALL THICKNESS.
7. REFER TO STRUCTURAL DRAWINGS FOR MINIMUM MASONRY REINFORCEMENT REQUIREMENTS FOR STRUCTURAL DESIGN.
8. MINIMUM REINFORCEMENT FOR SECURITY REQUIREMENTS SHALL BE PROVIDED IN ADDITION TO THE MINIMUM REINFORCEMENT FOR STRUCTURAL REQUIREMENTS NOTED ON THE STRUCTURAL DRAWINGS.
9. WHERE OPENINGS EXIST IN SECURE WALL, SECURE WALL CONTINUES ABOVE AND BELOW THE OPENING, WHERE APPLICABLE.

SECURITY PLAN LEGEND

GRADE 1 - SECURITY PERIMETER OF THE FACILITY
(DENOTES EXISTING)

A. MASONRY WALLS. WALLS SHALL BE MINIMUM 8" THICK. MINIMUM SECURITY REINFORCEMENT SHALL BE #4 VERTICAL AND #4 HORIZONTAL BARS @ 8" ON CENTER EACH WAY. FILL ALL CORES WITH 3000 PSI MINIMUM COMPRESSIVE STRENGTH GROUT.

B. INTERIOR SECURITY WALL SHALL EXTEND FROM FLOOR TO UNDERSIDE OF FLOOR/ DECK / STRUCTURE ABOVE.

EXCEPTIONS:
1. SECURITY WALLS NOT SHOWN TO BE LOAD BEARING AND/OR FIRE- RATED ON DRAWING G1.5 MAY TERMINATE ONE FULL CMU COURSE (8-IN) ABOVE THE HIGHER SECURITY CEILING ASSEMBLY.

GRADE 2 - SECURITY WALL (DENOTES EXISTING)

A. MASONRY WALLS. WALLS SHALL BE MINIMUM 8" THICK. MINIMUM SECURITY REINFORCEMENT SHALL BE # 4 VERTICAL BARS @ 8" ON CENTER AND HORIZONTAL LADDER TYPE JOINT REINFORCEMENT @ 16" ON CENTER. FILL ALL CORES WITH 3000 PSI MINIMUM COMPRESSIVE STRENGTH GROUT.

B. 6" METAL STUD FRAMING @ 16" ON CENTER WITH 5/8" HIGH IMPACT GYPSUM BOARD ON EACH SIDE. PROVIDE SECURITY MESH BETWEEN GYPSUM BOARD AND STUD.

C. SECURITY WALL SHALL EXTEND FROM FLOOR TO UNDERSIDE OF FLOOR/ROOF TRUSS ABOVE.

EXCEPTIONS:
1. SECURITY WALLS NOT SHOWN TO BE LOAD BEARING AND/OR FIRE- RATED ON DRAWING G1.5 MAY TERMINATE ONE FULL CMU COURSE (8- IN) ABOVE THE HIGHER SECURITY CEILING ASSEMBLY.

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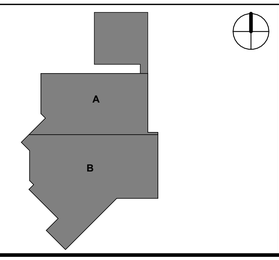
KEYPLAN



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MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

SECURITY PLAN

DRAWING NUMBER G1.4

GENERAL

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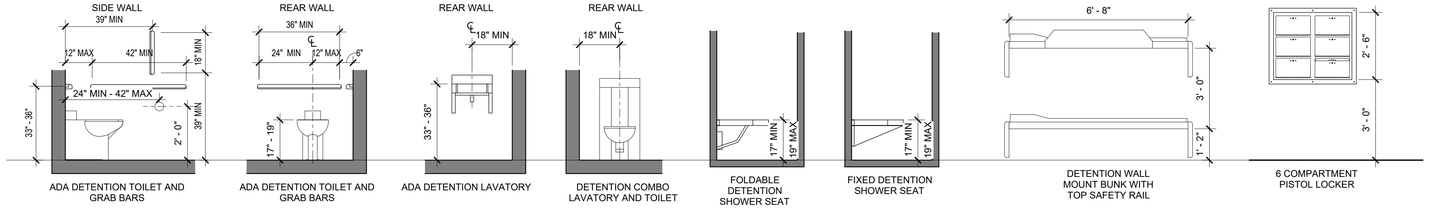
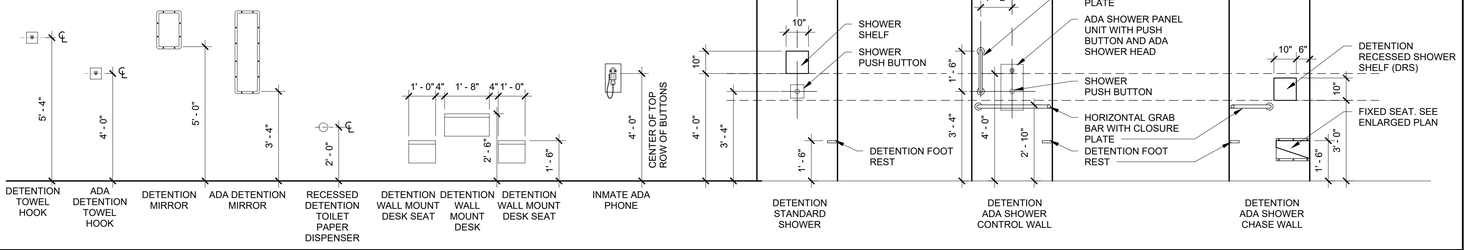
STANDARD AND ADA MOUNTING HEIGHTS

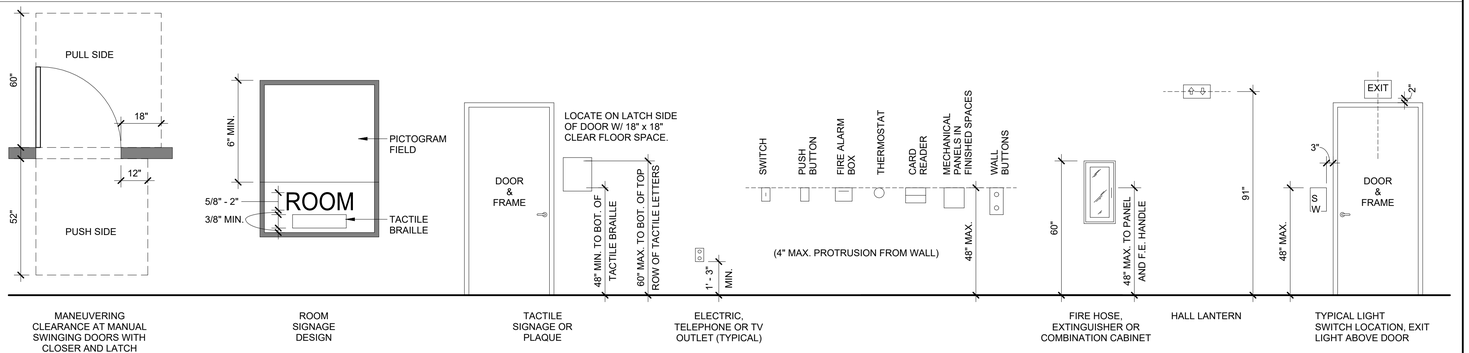
TYPICAL MOUNTING HEIGHTS - DETENTION

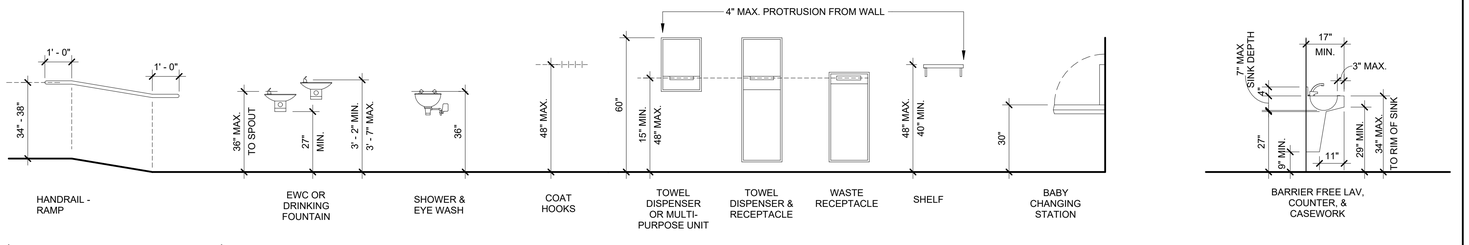


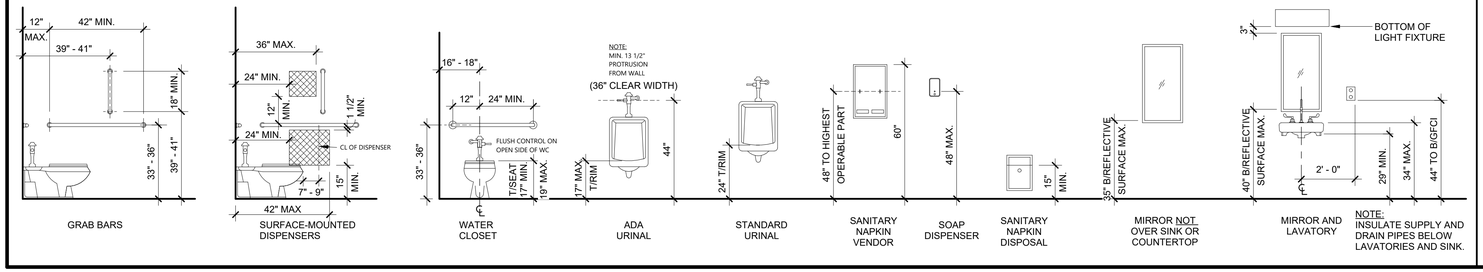
NOTE: TOILET / LAV TYPES ARE SHOWN GENERICALLY FOR HEIGHTS. REFER TO PLUMBING DRAWINGS FOR TYPE.



TYPICAL MOUNTING HEIGHTS - COMMERCIAL







NOTE: INSULATE SUPPLY AND DRAIN PIPES BELOW LAVATORIES AND SINK.

ABBREVIATIONS

ABBREVIATIONS:

A.B.	ANCHOR BOLT
A/C	AIR CONDITIONING
A.D.	AREA DRAIN
ADD.	ADDENDUM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFT	ATHLETIC FLOOR TILE
AP	ACCESS PANEL
APC	ACOUSTICAL PANEL CEILING
A/V	AUDIO VISUAL
ADMIN.	ADMINISTRATION
AGGR.	AGGREGATE
ALT.	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH.	ARCHITECT (ARCHITECTURAL)
ASPH.	ASPHALT
ASSOC.	ASSOCIATE
AVG	AVERAGE
B/	BOTTOM
BB	BOND BEAM
B.F.	BARRIER FREE
BFP	BACK FLOW PREVENTER
BL	BUILDING LINE
BM	BENCH MARK
BTU	BRITISH THERMAL UNIT
B/U	BUILT UP
BD	BOARD
BTWN	BETWEEN
BLDG	BUILDING
BM	BEAM
BR	BULLET RESISTANT
BRG	BEARING
BRZ	BRONZE
BSMT	BASEMENT
C.	CONDUIT
CAB.	CABINET
C.B.	CATCH BASIN
CB.	CORNER BAR
C.C.	CENTER TO CENTER
CEM.	CEMENT
CER.	CERAMIC
CFM	CUBIC FEET PER MINUTE
CFMF	COLD FORMED METAL FRAMING
CG	CORNER GUARD
C.I.	CAST IRON
C.I.P.	CAST-IN-PLACE
CIR.	CIRCLE OR CIRCULAR
CJ	CONTROL JOINT
CL	CENTERLINE
C.L.	CONSTRUCTION LINE
CLG.	CEILING
CLOS.	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COMP.	COMPACTED
CONC.	CONCRETE
COND.	CONDENSATE
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
COORD.	COORDINATE
CORR.	CORRIDOR
CORG.	CORRUGATED
CPT	CARPETING
CSJ	CONSTRUCTION JOINT
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTW	CERAMIC TILE WALL
CTR	CENTER OR CENTERING
CU	CUBIC
CW	COLD WATER
D.	DEEP
DF	DRINKING FOUNTAIN
DL	DEAD LOAD
DS	DOWN SPOUT
DBL	DOUBLE
DEG.	DEGREE
DEMO	DEMOLISH (ED)
DEPT.	DEPARTMENT
DIA	DIAMETER
DIM.	DIMENSION
DR	DOOR
DWG	DRAWING
DTL	DETAIL
E.	EAST
EA	EXHAUST AIR
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EIFS	EXT. INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EMER.	EMERGENCY
E.PAN.	ELECTRICAL PANEL
E.W.	EACH WAY
EWC	ELECTRIC WATER COOLER
EL.	ELEVATION
ELEC.	ELECTRICAL OR ELECTRIC
ELEV.	ELEVATOR
ENG.	ENGINEER OR ENGINEERING
EQ	EQUAL
EQUIP.	EQUIPMENT
ETC.	ET CETERA
EXIST.	EXISTING
EXP	EXPOSED STRUCTURE
EXP.	EXPANSION
EXT.	EXTERIOR
FACP	FIRE ALARM CONTROL PANEL
FAI	FRESH AIR INTAKE
F.C.	FURNACE
FD	FOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FM	FLOOR MOUNTED
FR	FIN RADIATION
F.S.	FOOD SERVICE
FV	FIELD VERIFY
FWC	FABRIC WALL COVERING
FIN.	FINISH
FLR	FLOOR
FT	FOOT OR FEET
FTG	FOOTING
GA	GAUGE
GC	GENERAL CONTRACTOR
GRV	GRAVITY ROOF VENTILATOR
GL.	GLASS
GND.	GROUND
GR.	GRADE
GWB	GYPSUM WALL BOARD
H.	HIGH
H.B.	HOSE BIBB
HM	HOLLOW METAL
HOA	HAND-OFF-AUTOMATIC
HVAC	HEATING VENTILATING & AIR-CONDITIONING
HW	HOT WATER
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
HDWD.	HARDWOOD
HDWR.	HARDWARE
HT.(HGT.)	HEIGHT
HDP	HIGH DENSITY PARTICALE BOARD
HORIZ.	HORIZONTAL
HR.	HOUR
HYD.	HYDRAULIC
ID	INSIDE DIAMETER
I.F.	INSIDE FACE
IR	INSIDE RADIUS
IN.	INCH
INFO.	INFORMATION
INSUL	INSULATION
INT.	INTERIOR
INV.	INVERT
JAN.	JANITOR OR JANITORIAL
J.B.	JUNCTION BOX
JCT.	JUNCTION
JT.	JOINT
K.D.	KILN-DRIED
KIT.	KITCHEN
KO	KNOCKOUT
KP.	KICK PLATE
L.	LEFT
LAM.	LAMINATED
LAV.	LAVATORY
LBS.	POUNDS
LG.	LARGE
LGTH	LENGTH
LH	LEFT HAND
LFT.(LF.)	LINEAR FEET
LHR	LEFT HAND REVERSE
LL	LIVE LOAD
L.O.A.	LENGTH OVER ALL
LIN.	LINEAR
LTG.	LIGHTING
MDP	MAIN DISTRIBUTION PANEL
MATL.	MATERIAL
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MEMB.	MEMBRANE
M/E/P	MECHANICAL/ELECTRICAL/PLUMBING
MEZZ.	MEZZANINE
MFR	MANUFACTURER
MH	MAN HOLE
MIN	MINIMUM
MISC.	MISCELLANEOUS
MIX.	MIXTURE
MK	MARK
MO	MASONRY OPENING
MSRY.	MASONRY
MTD	MOUNTED
MTL	METAL
MTG.	MOUNTING
N.	NORTH
NA(N/A)	NOT APPLICABLE
NIC	NOT IN CONTRACT
NF	NEAR FACE
N.O.P.	NOT OTHERWISE PROVIDED
NO.	NUMBER
NOM.	NOMINAL
NTS	NOT TO SCALE
OA.	OVERALL
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OC	ON CENTER
OD	OUTSIDE DIAMETER
O. TO O.	OUT TO OUT
OF	OUTSIDE FACE
OR	OUTSIDE RADIUS
OL.	OVERLOAD
OFC.	OFFICE
OH	OVERHEAD
OPNG.	OPENING
OPP.	OPPOSITE
OR.	OUTSIDE RADIUS
ORIG.	ORIGINAL
OZ	OUNCE
P.A.	PIPE ANCHOR
P.C.	PLUMBING CONTRACTOR
P.D.	PRESSURE DROP
PJF	PRE MOLDED JOINT FILLER
PRV	PRESSURE REDUCING VALVE
PASS.	PASSENGER
PAT.	PATTERN
PERP.	PERPENDICULAR
PF	PRE-FINISHED
PLAM	PLASTIC LAMINATE
PLAS.	PLASTIC
PLBG.	PLUMBING
PLY	PLYWOOD
PNEU.	PNEUMATIC
PNL	PANEL
PREFAB	PREFABRICATED
PROJ.	PROJECT
PT	PAINT
P.CONC.	PRECAST CONCRETE SLAB
PTN.	PARTITION
PV.	PAVERS
PVC	POLYVINYL CHLORIDE
QCV	QUICK COUPLER VALVE
QT	QUARRY TILE
QUAL.	QUALITY
QTY.	QUANTITY
R.	RIGHT
RAD.	RADIUS
RA	RETURN AIR
RB	RUBBER BASE
RBR	RUBBER
RD.	ROAD
RD	ROOF DRAIN
REC.	RECESSED
REF.	REFRIGERATOR
REV.	REVISION
REM.	REMOVABLE
RH	RIGHT HAND
RHR	RIGHT HAND REVERSE
RCP	REINFORCED CONCRETE PIPE
RE:	REFER TO:
RECPT	RECEPTACLE
RECT.	RECTANGLE OR RECTANGULAR
REINF	REINFORCE (D) (ING) (MENT)
REQD.	REQUIRED
REV.	REVERSE
RFG.	ROOFING
RH	RIGHT HAND
RHR	RIGHT HAND REVERSE
RLG.	RAILING
RM	ROOM
R.R.	RAIL ROAD
RT.	RIGHT
ROW (R/W)	RIGHT OF WAY
RVS.	REVERSE
RWC.	MAIN WATER COLLECTOR
RWL	RAIN WATER LEADER
SA	SUPPLY AIR
SC	SEALED CONCRETE
SFS	STORE FRONT SYSTEM
SPS	STAND PIPE
S.	SOUTH
SS	STAINLESS STEEL
S. TO S.	STUD TO STUD
SHM	SECURITY HOLLOW METAL
SV	SHEET VINYL
SAN.	SANITARY
SCHED	SCHEDULE
SECT	SECTION
SEW	SEWER
SHT	SHEET
SHWR	SHOWER
SIM.	SIMILAR
S.O.	SECTIONAL OVERHEAD
SPECS	SPECIFICATIONS
SPKR	SPEAKER
SQ.	SQUARE
ST	STEEL
STD	STANDARD
STOR.	STORAGE
STRUCT	STRUCTURAL
SUSP.	SUSPENDED
SW	SWITCH
T	TEMPERED
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T/C	TOP CURB
TCC	TEMP. CONTROL CONTRACTOR
TCP	TEMP. CONTROL PANEL
TP	TEPID WATER
TWC	TEPID WATER CONTROLLER
TBB	TILE BACKER BOARD
TEL.	TELEPHONE
TEMP.	TEMPERATURE
TERR	TERRAZZO
THRU	THROUGH
TLT	TOILET
TOL.	TOLERANCE
TYP	TYPICAL
U	HEAT TRANSFER COEFFICIENT
UFD	UNDER FLOOR DUCT
UL	UNDERWRITER'S LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR
UR	URINAL
UTIL.	UTILITY
VYL	VINYL
VAP.	VAPOR
VAR.	VARIES
VCB	VINYL COVE BASE
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VERT.	VERTICAL
VEST.	VESTIBULE
VENT.	VENTILATE
VIF	VERIFY IN FIELD
VOL.	VOLUME
VP	VENT PIPE
VS	VENT STACK
VWC	VINYL WALL COVERING
W.	WEST
WC	WATER CLOSET
WD	WOOD
WF	WASH FOUNTAIN
W.H.	WALL HUNG
WH	WATER HEATER
WI	WROUGHT IRON
WP	WORKING POINT
WL	WIND LOAD
WM	WALK OFF MAT
WS	WORK SINK
WWF	WELDED WIRE FABRIC
WT.	WEIGHT
XFMR	TRANSFORMER
XFR	TRANSFER
YD	YARD
YCO	YARD CLEAN OUT
*	DEGREE
±	PLUS OR MINUS
Ø	DIAMTER
	CENTERLINE
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x	BY
@	AT
#	NUMBER
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NOTE

DIMENSIONS AND MOUNTING HEIGHTS INDICATED ARE FOR REFERENCE PURPOSES ONLY. CONTRACTOR SHALL INSTALL AT HEIGHTS TO MEET ALL APPLICABLE CODES AND STANDARDS. PROVIDE WALL BLOCKING REQUIRED FOR COMPLETE INSTALLATION.

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STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JMH/H | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER
2421-4009-00

101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

ABBREVIATIONS AND ADA MOUNTING HEIGHTS

DRAWING NUMBER
G1.5

GENERAL

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
9/28/2026 8:09:59 AM

NORTH

1 OVERALL SITE PLAN
SCALE: 1/16" = 1'-0"

NOTE
THIS DRAWING IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. REFERENCE OTHER DRAWINGS FOR SPECIFIC INFORMATION

SCALE: 1/16" = 1'-0"
0 8'-0" 16'-0" 32'-0"

DRAWING NUMBER	101 HOME RD MORROW COUNTY MT GILEAD, OHIO 43338	DRAWN: JM/AH CHK'D: DM	NO.	REVISION	DATE
A1.0	CORRECTIONAL FACILITY ADDITION & RENOVATIONS	DESIGNED: KJ			
ARCHITECTURE	OVERALL ARCHITECTURAL SITE PLAN	APPRV'D: KJ			
		DATE: SEPTEMBER 25, 2026			
		PROJECT NUMBER 2421-4009-00			

STATE OF OHIO · KAREN E JURCIC · 2218789 · REGISTERED ARCHITECT · 09.25.26

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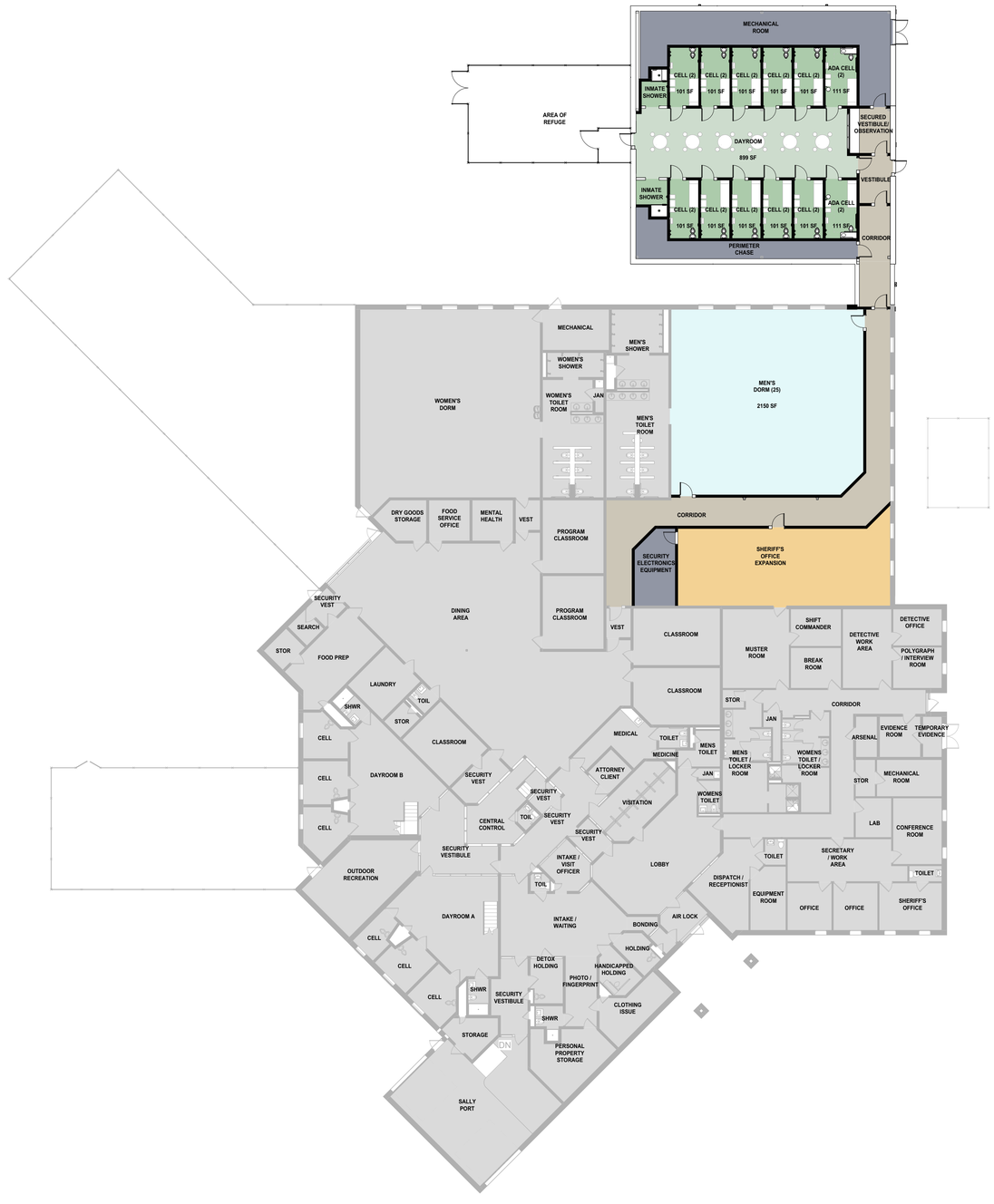

1 **OVERALL FIRST FLOOR PLAN**
SCALE: 1/16" = 1'-0"

NORTH

RATED BED SUMMARY:

GENERAL POPULATION

UNIT A (EXISTING)
CELLS: 1 HOUSING UNITS WITH 10 BEDS PER UNIT — 10 RATED BEDS
UNIT A TOTAL — 10 RATED BEDS

UNIT B (EXISTING)
CELLS: 1 HOUSING UNITS WITH 11 BEDS PER UNIT — 11 RATED BEDS
UNIT B TOTAL — 11 RATED BEDS

UNIT C (NEW)
CELLS: 1 HOUSING UNITS WITH 22 BEDS PER UNIT — 24 RATED BEDS
UNIT C TOTAL — 24 RATED BEDS

MALE DORM (RECONFIGURED) - 50 SF / BED
DORM: 1 HOUSING UNITS WITH 20 BEDS — 20 RATED BEDS
MALE DORM TOTAL — 20 RATED BEDS

FEMALE DORM (EXISTING)
DORM: 1 HOUSING UNIT WITH 32 BEDS — 32 RATED BEDS
FEMALE DORM TOTAL — 32 RATED BEDS

TOTAL — 97 RATED BEDS

LEGEND

- BUILDING SUPPORT
- EXISTING - NO SCOPE
- HOUSING CELLS
- HOUSING DAYROOMS
- HOUSING DORMITORY
- SECURE CIRCULATION
- STAFF SUPPORT

NOTE:
ELEMENTS ON THIS DRAWING ARE IDENTIFIED BY VARIOUS COLORS. IF THIS NOTE IS NOT RED, THIS DRAWING IS NOT IN COLOR AND NEEDS TO BE REPRINTED IN COLOR.

NOTE

THIS DRAWING IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. REFERENCE OTHER DRAWINGS FOR SPECIFIC INFORMATION.

SCALE: 1/16" = 1'-0"
0 — 8' - 0" — 16' - 0" — 32' - 0"

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STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JM/AM | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

OVERALL FIRST FLOOR PLAN

DRAWING NUMBER: A1.1
ARCHITECTURE

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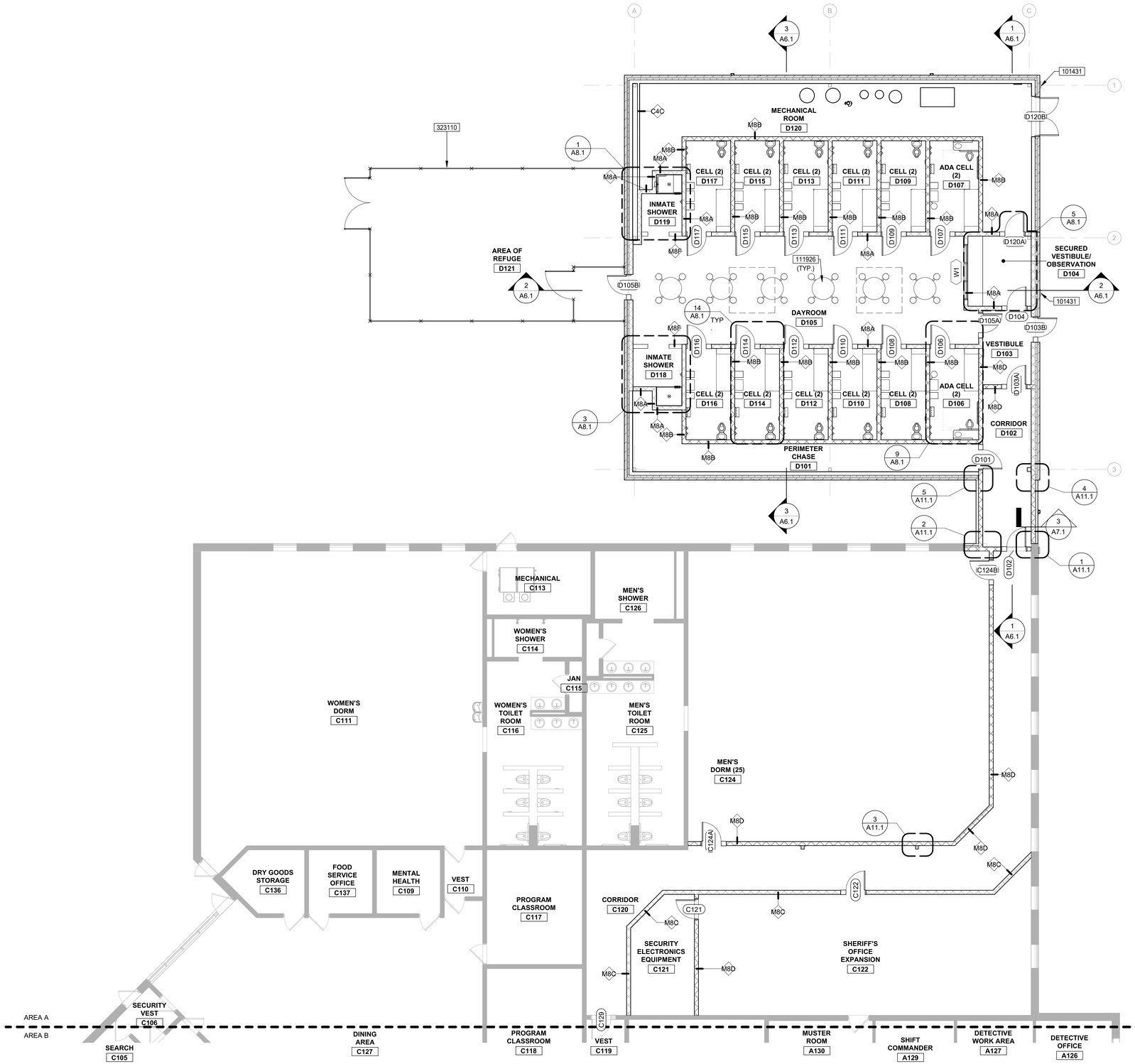


1 FIRST FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. ALL NOTES INDICATE THE ASSOCIATED PRODUCT/MATERIAL. CONTRACTOR SHALL REFERENCE THE NOTE AND THE ASSOCIATED GRAPHICAL REPRESENTATION FOR QUANTITIES - TYPICAL. THE ABSENCE OF A NOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING/INSTALLING THE ASSOCIATED PRODUCT/MATERIAL GRAPHICALLY INDICATED - TYPICAL.

C. COORDINATE WITH M.E.P. FOR ANY BULKHEADS, POWER, DATA, OR EQUIPMENT REQUIREMENTS.

D. DIMENSIONS TO EXTERIOR FACES OF BUILDING ARE TO THE OUTSIDE OF THE MASONRY VENEER.

E. DIMENSIONS OF INTERIOR WALLS ARE TO FACE OF METAL STUD OR CMU.

F. REFER TO PARTITON SCHEDULE ON SHEET A3.1.

KEYNOTES

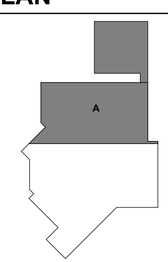
101431 NO SMOKING SIGNAGE

111926 DETENTION 4-MAN DAYROOM TABLE

323110 HIGH-SECURITY CHAIN LINK FENCES AND GATES, SEE SHEET A11.1

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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KAREN E. JURICIC
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NO.	REVISION	DATE

DRAWN: JM/AH | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

FIRST FLOOR PLAN - AREA A

DRAWING NUMBER A2.1

ARCHITECTURE

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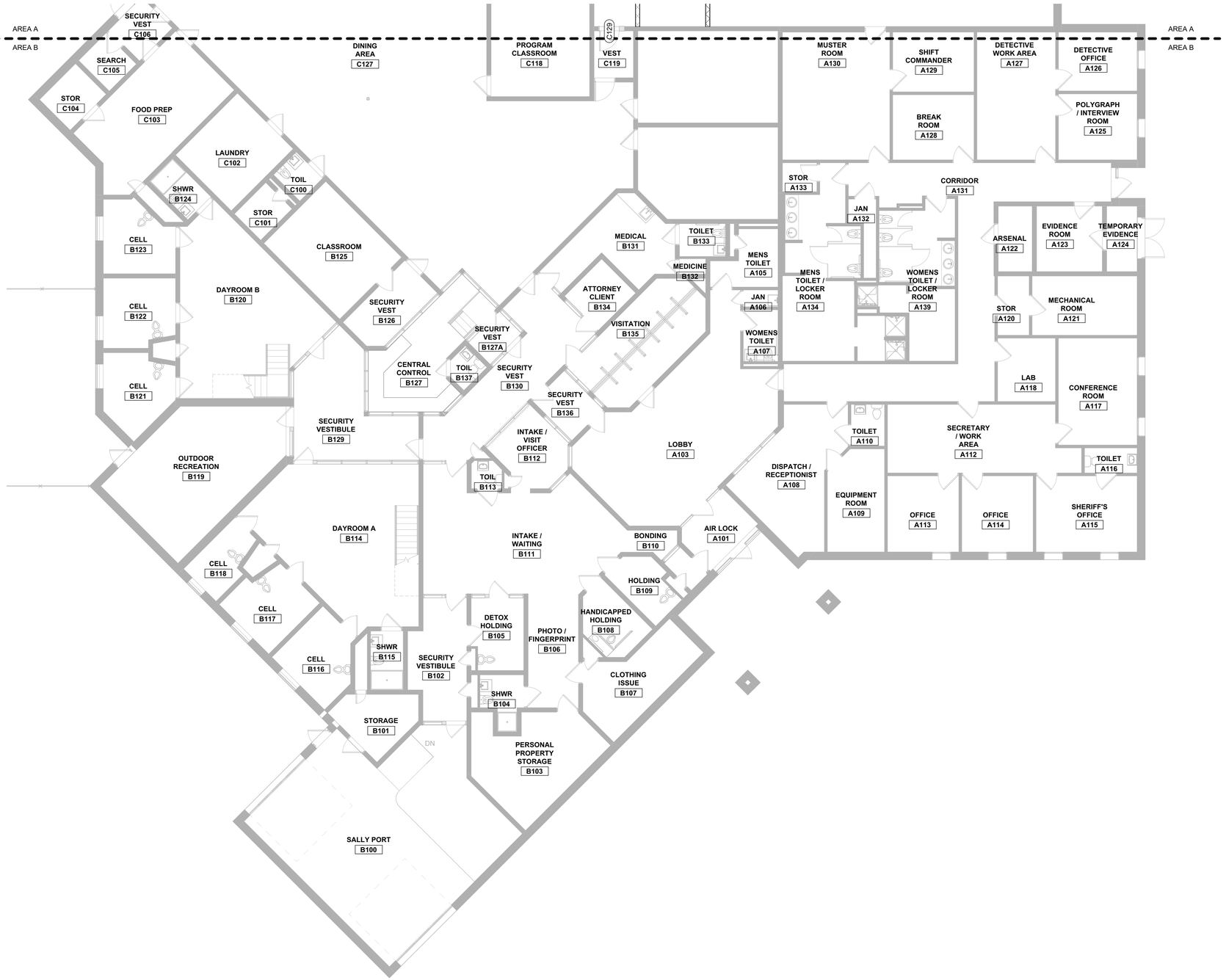


1 FIRST FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. ALL NOTES INDICATE THE ASSOCIATED PRODUCT/MATERIAL. CONTRACTOR SHALL REFERENCE THE NOTE AND THE ASSOCIATED GRAPHICAL REPRESENTATION FOR QUANTITIES - TYPICAL. THE ABSENCE OF A NOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING/INSTALLING THE ASSOCIATED PRODUCT/MATERIAL GRAPHICALLY INDICATED - TYPICAL.

C. COORDINATE WITH M.E.P. FOR ANY BULKHEADS, POWER, DATA, OR EQUIPMENT REQUIREMENTS.

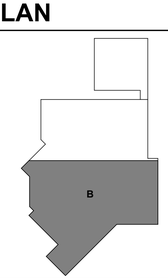
D. DIMENSIONS TO EXTERIOR FACES OF BUILDING ARE TO THE OUTSIDE OF THE MASONRY VENEER.

E. DIMENSIONS OF INTERIOR WALLS ARE TO FACE OF METAL STUD OR CMU.

F. REFER TO PARTITON SCHEDULE ON SHEET A3.1.

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

KEYPLAN



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KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JM/AH | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

FIRST FLOOR PLAN - AREA B

DRAWING NUMBER A2.2

ARCHITECTURE

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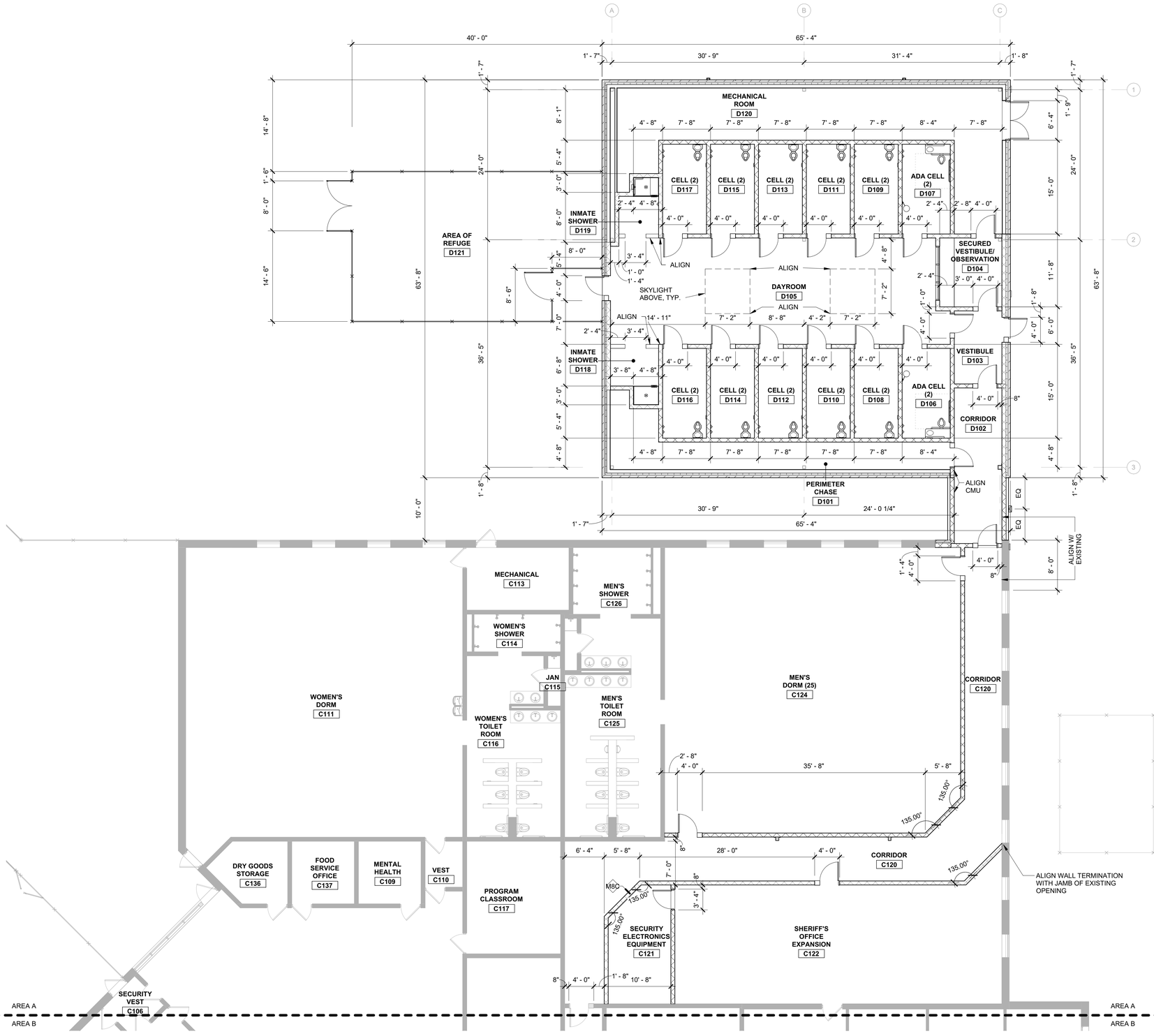


1 FIRST FLOOR DIMENSION PLAN - AREA A
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. ALL NOTES INDICATE THE ASSOCIATED PRODUCT/MATERIAL. CONTRACTOR SHALL REFERENCE THE NOTE AND THE ASSOCIATED GRAPHICAL REPRESENTATION FOR QUANTITIES - TYPICAL. THE ABSENCE OF A NOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING/INSTALLING THE ASSOCIATED PRODUCT/MATERIAL GRAPHICALLY INDICATED - TYPICAL.

C. COORDINATE WITH M.E.P. FOR ANY BULKHEADS, POWER, DATA, OR EQUIPMENT REQUIREMENTS.

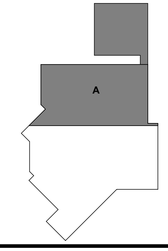
D. DIMENSIONS TO EXTERIOR FACES OF BUILDING ARE TO THE OUTSIDE OF THE MASONRY VENEER.

E. DIMENSIONS OF INTERIOR WALLS ARE TO FACE OF METAL STUD OR CMU.

F. REFER TO PARTITON SCHEDULE ON SHEET A3.1.

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

KEYPLAN



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DRAWN: JM/AH | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

FIRST FLOOR DIMENSION PLAN - AREA A

DRAWING NUMBER A2.3 ARCHITECTURE

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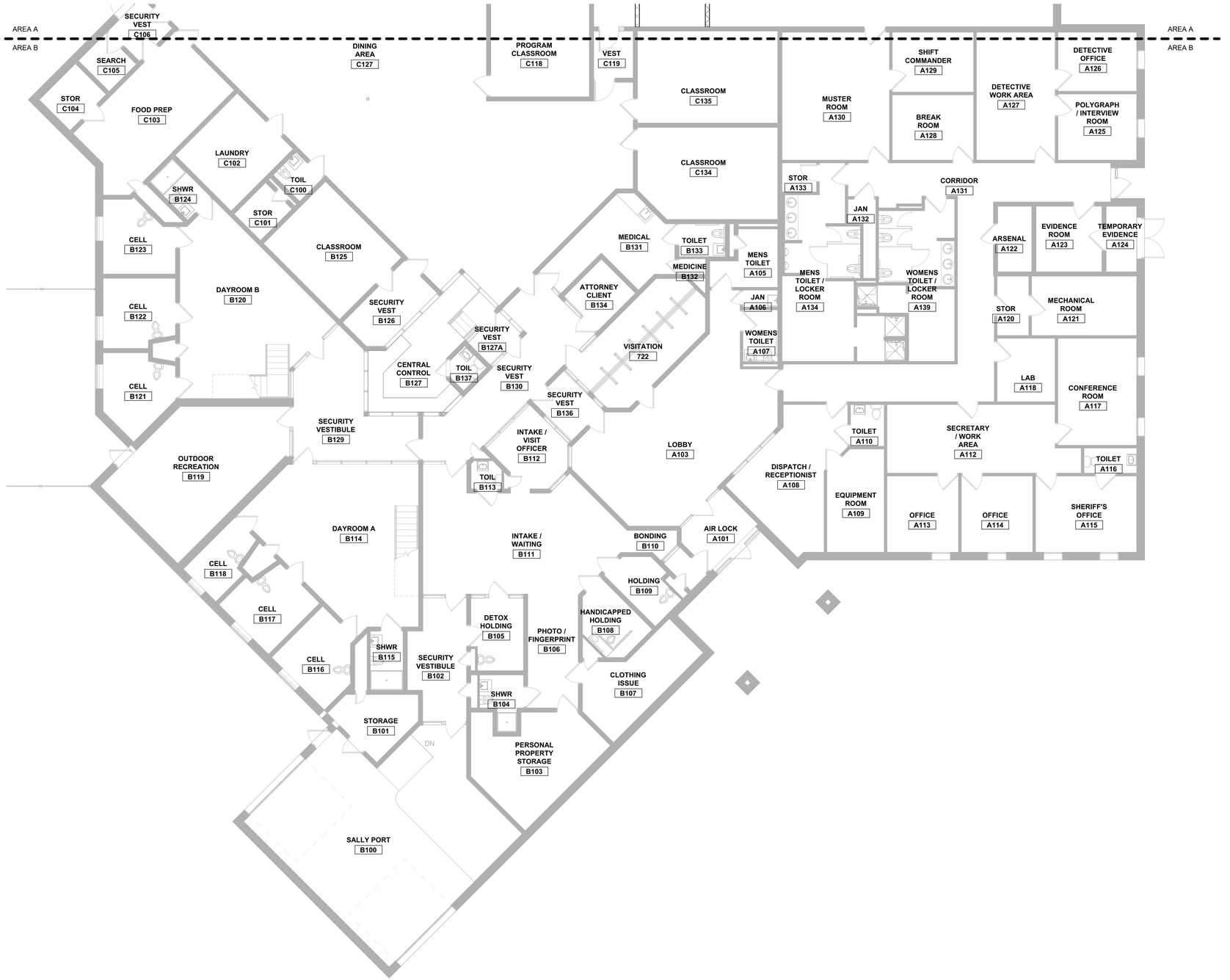
9/28/2026 8:10:23 AM



1 **FIRST FLOOR DIMENSION PLAN - AREA B**
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. ALL NOTES INDICATE THE ASSOCIATED PRODUCT/MATERIAL. CONTRACTOR SHALL REFERENCE THE NOTE AND THE ASSOCIATED GRAPHICAL REPRESENTATION FOR QUANTITIES - TYPICAL. THE ABSENCE OF A NOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING/INSTALLING THE ASSOCIATED PRODUCT/MATERIAL GRAPHICALLY INDICATED - TYPICAL.

C. COORDINATE WITH M.E.P. FOR ANY BULKHEADS, POWER, DATA, OR EQUIPMENT REQUIREMENTS.

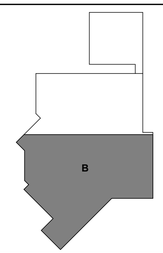
D. DIMENSIONS TO EXTERIOR FACES OF BUILDING ARE TO THE OUTSIDE OF THE MASONRY VENEER.

E. DIMENSIONS OF INTERIOR WALLS ARE TO FACE OF METAL STUD OR CMU.

F. REFER TO PARTITON SCHEDULE ON SHEET A3.1.

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

KEYPLAN



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STATE OF OHIO
KAREN E. JURICIC
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09.25.26

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DRAWN: JM/AH | CHKD: DM
DESIGNED: KJ
APPRVD: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

FIRST FLOOR DIMENSION PLAN - AREA B

DRAWING NUMBER A2.4

ARCHITECTURE

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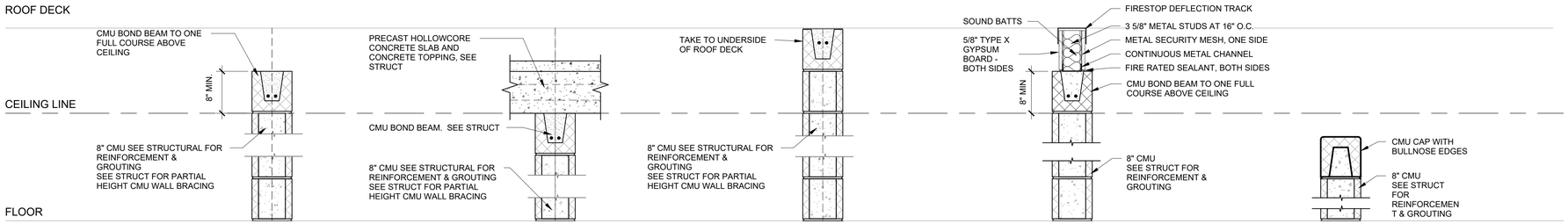
9/28/2026 8:10:24 AM

PARTITION SCHEDULE

MASONRY PARTITIONS NOT ALL PARTITION TYPES SHOWN MAY BE IN USE

REFER TO MASONRY SPECIFICATIONS FOR CONTROL JOINT INFORMATION



PARTITION TYPE	M8A	M8B	M8C	M8D	M8F
	8" ABOVE CEILING	BELOW HOLLOWCORE CONCRETE PLANK	UL DESIGN: U904	UL DESIGN: U904, U419	4'-0" HIGH

METAL STUD PARTITIONS

PARTITION TYPE	C4C
	8'-0" HIGH

C - CELL NUMBER IN CHASE

PAINT CELL NUMBER GRAPHIC ON BACK SIDE OF CELL IN CHASE TYPICAL FOR EVERY CELL - COORDINATE CELL NUMBERS WITH OWNER

B - NUMBER ON DOOR FRAME

PAINT ROOM NUMBER ON DOOR FRAME. CENTER VERTICALLY AND HORIZONTALLY ON DOOR HEAD. PAINTED NUMBERS SHALL BE ON EACH SIDE OF FRAME IF ROOM IS OCCUPIED ON BOTH SIDES. UP TO 4 DIGITS. COORDINATE CELL NUMBERS WITH OWNER.

2 PAINTED GRAPHICS
SCALE: 1" = 1'-0"

1 EXTERIOR - NO SMOKING SIGNAGE
SCALE: 3" = 1'-0"

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. PROVIDE APPROPRIATE FIRESTOPPING SYSTEM AT ALL THRU-WALL PENETRATIONS/OPENINGS FOR RATED WALLS AND ASSEMBLIES.

C. NOT ALL PARTITIONS INDICATED MAY BE USED.

D. REFERENCE FLOOR PLANS FOR LOCATION OF PARTITION TYPE.

E. REFERENCE SHEET G1.2 FOR RATED WALL LOCATIONS.

F. REFERENCE SHEET G1.3 FOR SECURITY WALL LOCATIONS.

G. REFERENCE SHEET G1.4 FOR REQUIRED SECURITY WALL REINFORCING THAT IS IN ADDITION TO REINFORCING REQURED BY STRUCTURAL DRAWINGS.

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NO.	REVISION	DATE

DRAWN: JM/AH | CHK'D: DM
DESIGNED: KJ
APPRYD: KJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

PARTITION SCHEDULE AND SIGNAGE ELEVATIONS

DRAWING NUMBER: A3.1
ARCHITECTURE

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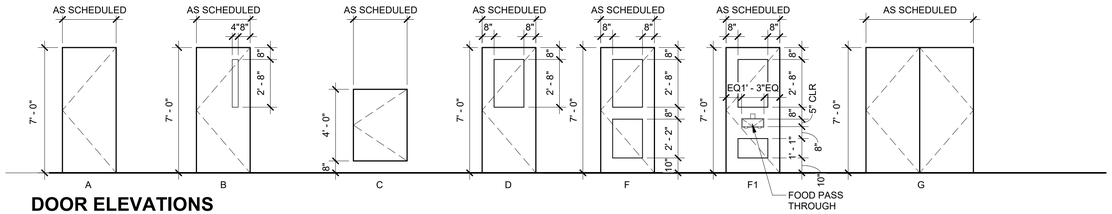
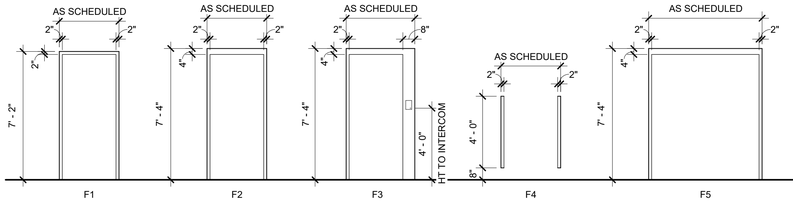


DOOR ELEVATIONS

NOTE: NOT ALL DOOR TYPES SHOWN MAY BE IN USE



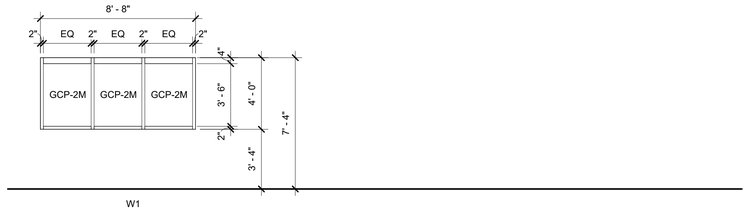
FRAME ELEVATIONS

NOTE: NOT ALL FRAME TYPES SHOWN MAY BE IN USE

SECTION 083119
SAD-5 SECURITY CEILING ACCESS DOOR
SAD-5F SECURITY CEILING ACCESS DOOR (FIRE RATED)

SECTION 083119
SAD-6 SECURITY CEILING ACCESS DOOR
SAD-6F SECURITY CEILING ACCESS DOOR (FIRE RATED)

ACCESS DOOR ELEVATIONS



WINDOW ELEVATIONS

DOOR AND FRAME SCHEDULE

OPNG. NO.	DOOR SIZE WIDTH	SIZE HEIGHT	SIZE DEPTH	ELEV.	MAT'L	GLAZING	FRAME ELEV.	FRAME MAT'L	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	LABEL/ HOUR	OPNG. NO.	REMARKS
C121	3' - 0"	7' - 0"	2"	A	HM	-	F2	STL	H1	J2	S3	45 MIN	C121	1
C122	3' - 0"	7' - 0"	2"	A	DHM	-	F3	STL	H1	J1, J2	S3	45 MIN	C122	1
C124A	3' - 0"	7' - 0"	2"	F	DHM	GCP-2MF	F3	STL	H1	J1, J2	S3	45 MIN	C124A	1
C124B	3' - 0"	7' - 0"	2"	F	DHM	GCP-2MF	F3	STL	H1	J1, J2	S3	45 MIN	C124B	1
D101	3' - 0"	7' - 0"	2"	A	DHM	-	F3	STL	H1	J1, J2	S3	45 MIN	D101	1
D102	3' - 0"	7' - 0"	2"	A	DHM	LP-3	F3	STL	H3	J1, J2	S2	45 MIN	D102	1
D103A	3' - 0"	7' - 0"	2"	A	DHM	LP-3	F3	STL	H1	J1, J2	S3	45 MIN	D103A	1
D103B	3' - 0"	7' - 0"	2"	A	DHM	-	F3	STL	H4	J4, J5	S1	45 MIN	D103B	1
D104	3' - 0"	7' - 0"	2"	A	DHM	GCP-2M	F3	STL	H1	J1, J2	S3	45 MIN	D104	1
D105A	3' - 0"	7' - 0"	2"	A	DHM	GCP-2	F3	STL	H1	J1, J2	S3	45 MIN	D105A	1
D105B	3' - 0"	7' - 0"	2"	A	DHM	-	F3	STL	H4	J4, J5	S1	45 MIN	D105B	1
D106	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D106	2
D107	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D107	2
D108	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D108	2
D109	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D109	2
D110	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D110	2
D111	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D111	2
D112	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D112	2
D113	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D113	2
D114	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D114	2
D115	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D115	2
D116	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D116	2
D117	3' - 0"	7' - 0"	2"	F1	DHM	LP-3	F3	STL	H1	J1, J2	S3	-	D117	2
D120A	3' - 0"	7' - 0"	2"	A	DHM	-	F3	STL	H1	J1, J2	S3	45 MIN	D120A	1
D120B	6' - 0"	7' - 0"	2"	A	HM-G	-	F2	STL	H1	J4, J5	S1	-	D120B	1

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. ALL HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED.

C. EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE GALVANIZED.

D. ALL EXTERIOR DOORS SHALL BE INSULATED.

E. COORDINATE DOORS WITH ACCESS CONTROL HARDWARE WITH ELECTRICAL REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL WIRING, CONNECTIONS, AND INITIAL PROGRAMMING AND TRAINING FOR ACCESS CONTROL SYSTEMS, INCLUDING SOFTWARE AND DEVICES REQUIRED FOR PROGRAMMING ACCESS CONTROL SYSTEM.

F. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

DOOR AND FRAME SCHEDULE ABBREVIATIONS:

AL	ALUMINUM
DHM	DETENTION HOLLOW METAL
DHM-G	DETENTION HOLLOW METAL - GALVANIZED
HM	HOLLOW METAL
HM-G	HOLLOW METAL - GALVANIZED
STL	STEEL
WD	WOOD
WMP	WIRE MESH PARTITION

GLAZING SCHEDULE - DETENTION:

NOTE: NOT ALL GLAZING TYPES LIST MAY BE USED IN PROJECT

LP-3	CLEAR LAMINATED POLYCARBONATE - 20 MINUTE PHYSIAL ATTACK
GCP-2	40 MINUTE PHYSICAL ATTACK (SECURE-TEM + POLY)
GCP-2F	40 MINUTE PHYSICAL ATTACK, FIRE-RATED (SECURE-TEM + POLY)
GCP-2M	40 MINUTE PHYSICAL ATTACK; MIRRORED (SECURE-TEM + POLY)
GCP-2MF	40 MINUTE PHYSICAL ATTACK; MIRRORED, FIRE-RATED (SECURE-TEM + POLY)
SIG-2	40 MINUTE PHYSICAL ATTACK; LOW E CLEAR GLASS CLAD POLYCARBONATE

NOTE:
1. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS.
2. CONTRACTOR SHALL PROVIDE AT NO ADDITIONAL COST THE APPLICABLE RATED GLAZING PER THE RATED WALL DESIGNATIONS, WHETHER SHOWN OR NOT ON THE SCHEDULE.

DOOR AND FRAME SCHEDULE REMARKS:

1. DOOR NUMBER ON BOTH SIDES OF FRAME. REFERENCE SIGNAGE DETAILS.
2. DOOR NUMBER ON NON-INMATE SIDE OF FRAME. REFERENCE SIGNAGE DETAILS.

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DLZ Architecture, Inc.

STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JMH | CHK'D: DM
DESIGNED: KJ
APPRVD: KJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

DOOR AND FRAME ELEVATION AND SCHEDULES

DRAWING NUMBER A3.2

ARCHITECTURE

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
9/28/2026 8:10:27 AM

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

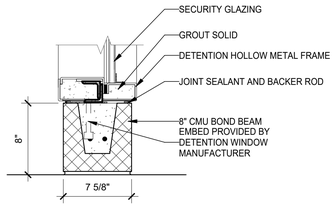
B. ALL HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED.

C. EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE GALVANIZED.

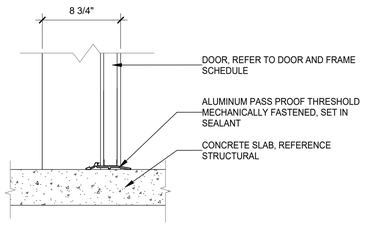
D. ALL EXTERIOR DOORS SHALL BE INSULATED.

E. COORDINATE DOORS WITH ACCESS CONTROL HARDWARE WITH ELECTRICAL REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL WIRING, CONNECTIONS, AND INITIAL PROGRAMMING AND TRAINING FOR ACCESS CONTROL SYSTEMS, INCLUDING SOFTWARE AND DEVICES REQUIRED FOR PROGRAMMING ACCESS CONTROL SYSTEM.

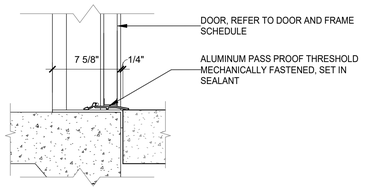
F. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.



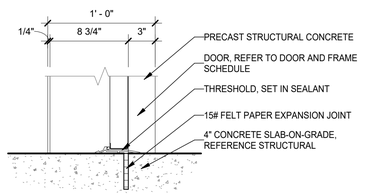
S4 GLAZING SILL DETAIL - INTERIOR - CMU WALL
SCALE: 1 1/2" = 1'-0"



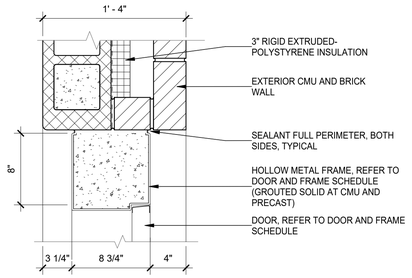
S3 SILL DETAIL - CMU
SCALE: 1 1/2" = 1'-0"



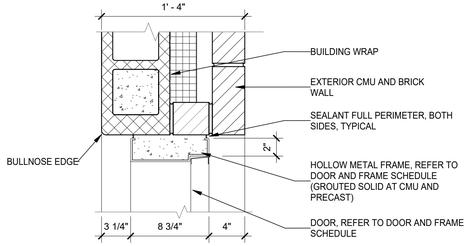
S2 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



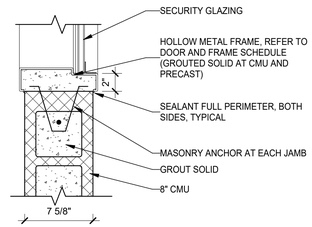
S1 SILL DETAIL - EXTERIOR
SCALE: 1 1/2" = 1'-0"



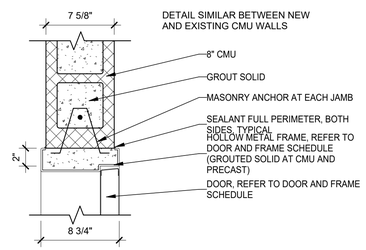
J5 DOOR JAMB - EXTERIOR BRICK / CMU 8 "
SCALE: 1 1/2" = 1'-0"



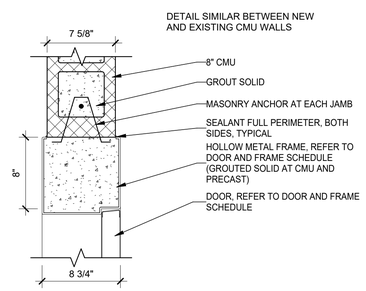
J4 DOOR JAMB - EXTERIOR BRICK / CMU 2"
SCALE: 1 1/2" = 1'-0"



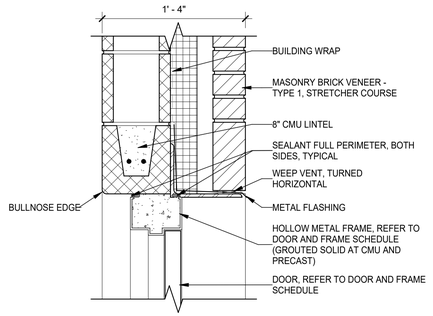
J3 GLAZING JAMB DETAIL - INTERIOR - CMU WALL
SCALE: 1 1/2" = 1'-0"



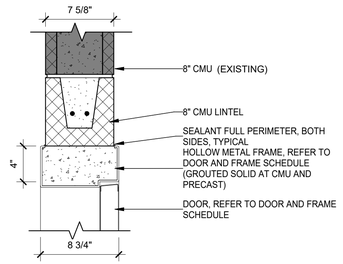
J2 JAMB DETAIL - CMU WALL
SCALE: 1 1/2" = 1'-0"



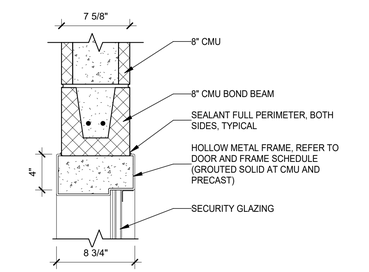
J1 JAMB DETAIL - CMU WALL
SCALE: 1 1/2" = 1'-0"



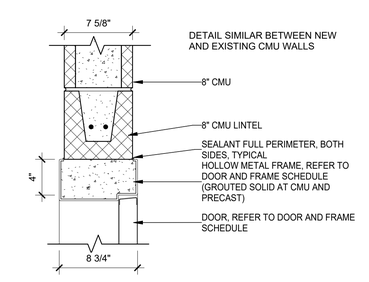
H4 HEAD DETAIL - EXTERIOR BRICK / CMU - HM DOOR
SCALE: 1 1/2" = 1'-0"



H3 HEAD DETAIL - NEW OPENING IN EXISTING WALL - HM DOOR
SCALE: 1 1/2" = 1'-0"



H2 GLAZING HEAD DETAIL - INTERIOR - CMU WALL
SCALE: 1 1/2" = 1'-0"



H1 HEAD DETAIL - CMU WALL
SCALE: 1 1/2" = 1'-0"

SCALE: 1 1/2" = 1'-0"
0 6" 1'-0" 2'-0"

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STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JM/AH
CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

DOOR AND WINDOW DETAILS

DRAWING NUMBER: A3.3
ARCHITECTURE

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9/28/2026 8:10:28 AM

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

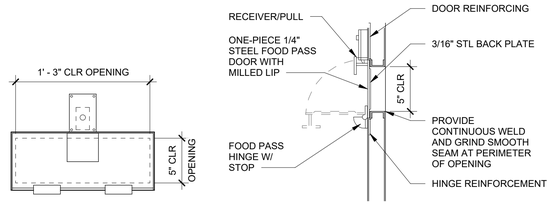
B. ALL HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED.

C. EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE GALVANIZED.

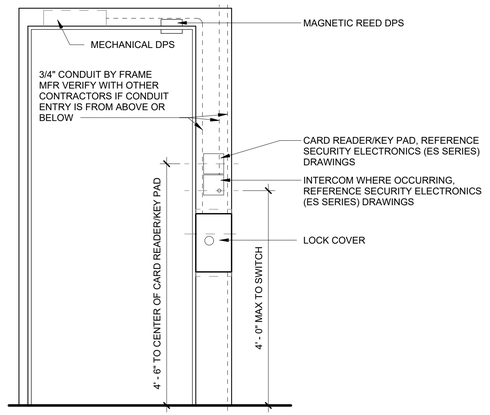
D. ALL EXTERIOR DOORS SHALL BE INSULATED.

E. COORDINATE DOORS WITH ACCESS CONTROL HARDWARE WITH ELECTRICAL REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL WIRING, CONNECTIONS, AND INITIAL PROGRAMMING AND TRAINING FOR ACCESS CONTROL SYSTEMS, INCLUDING SOFTWARE AND DEVICES REQUIRED FOR PROGRAMMING ACCESS CONTROL SYSTEM.

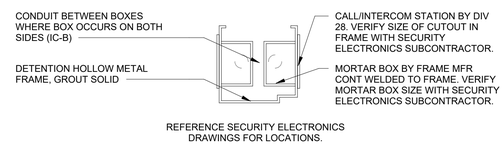
F. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.



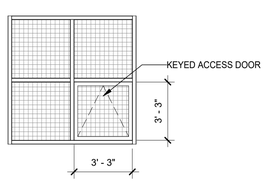
4 FOOD PASS / SHACKLE PASS DETAIL
SCALE: 1 1/2" = 1'-0"



3 TYPICAL DETENTION DOOR FRAME ELEVATION
SCALE: 3/4" = 1'-0"



2 TYPICAL FRAME MOUNTED INTERCOM DETAIL
SCALE: 1 1/2" = 1'-0"



1 WBR-1 AT SKYLIGHTS
SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"
0 2' - 0" 4' - 0" 8' - 0"

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

SCALE: 1 1/2" = 1'-0"
0 6" 1' - 0" 2' - 0"

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STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JM/AH | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER
2421-4009-00

101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

DOOR AND WINDOW DETAILS

DRAWING NUMBER
A3.4

ARCHITECTURE

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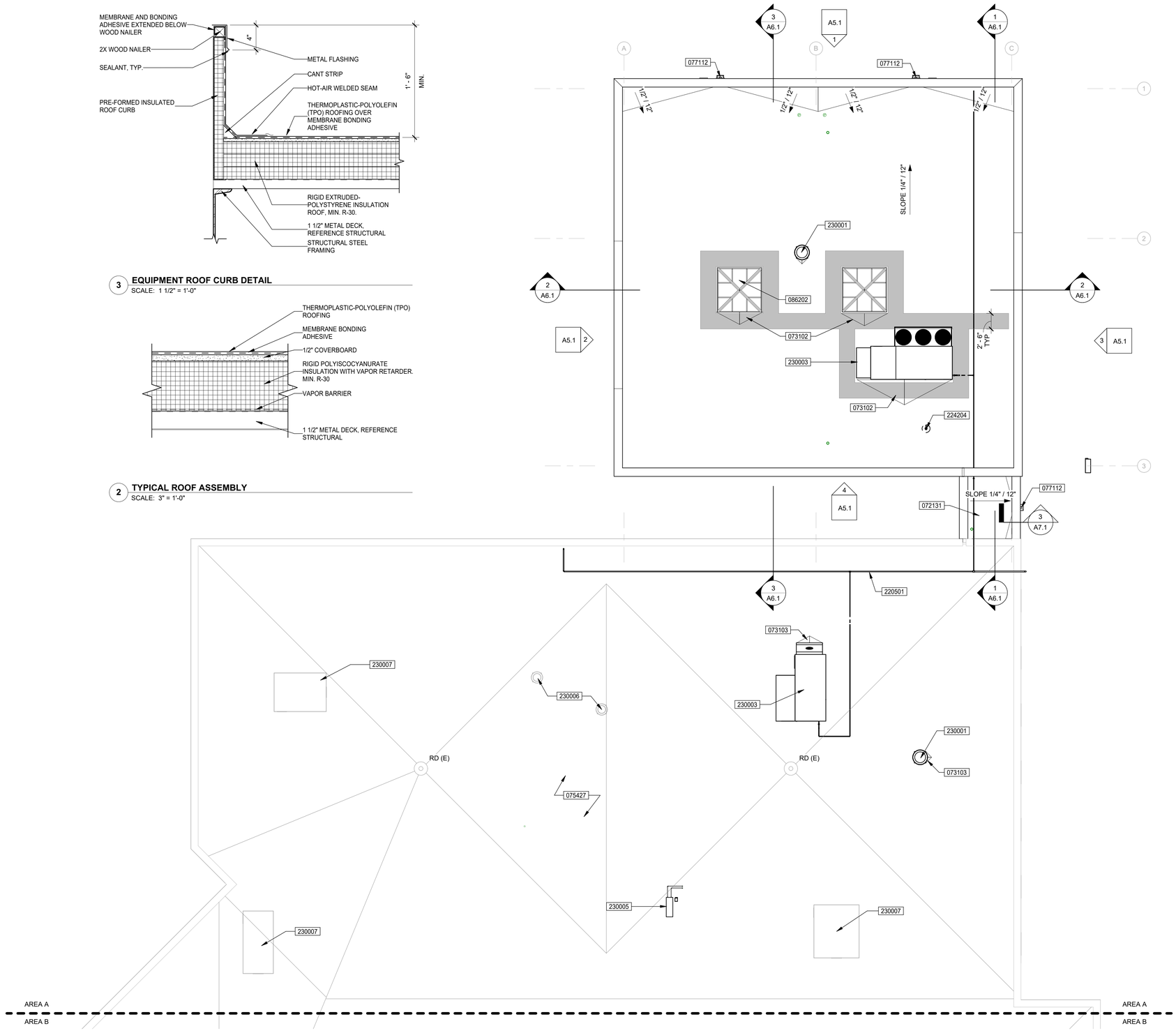
9/28/2026 8:10:29 AM

3 EQUIPMENT ROOF CURB DETAIL
SCALE: 1 1/2" = 1'-0"

2 TYPICAL ROOF ASSEMBLY
SCALE: 3" = 1'-0"



1 ROOF PLAN - AREA A
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ROOF PENETRATING ITEMS. COORDINATE EXACT LOCATION IN THE FIELD.

C. AREA B ROOF PLAN IS SHOWN FOR REFERENCE AND HAS NO SCOPE.

D. ROOF SLOPES VARY AND IS BASED ON SLOPED STRUCTURE BETWEEN BEARING HEIGHTS. DIRECTION OF SLOPE SHOWN FOR REFERENCE.

E. VERIFY EXISTING ROOF WARRANTY INFORMATION WITH OWNER BEFORE ALTERING EXISTING ROOFING.

F. EXISTING ROOF SLOPES AND DRAINS SHOWN FOR REFERENCE BASED ON RECORD DRAWINGS.

KEYNOTES

051200	STRUCTURAL STEEL FRAMING
053101	1 1/2" METAL DECK, REFERENCE STRUCTURAL
061002	2X WOOD NAILER
072122	RIGID EXTRUDED- POLYSTYRENE INSULATION ROOF, MIN. R-30.
072131	RIGID POLYISOCYANURATE INSULATION, SLOPED FOR POSITIVE DRAINAGE. MIN. R-30
072610	VAPOR BARRIER
073102	CRICKET
073103	NEW CRICKET OVER EXISTING ROOFING FOR NEW MECHANICAL EQUIPMENT
075422	1/2" COVERBOARD
075423	MEMBRANE BONDING ADHESIVE
075424	RIGID POLYISOCYANURATE INSULATION WITH VAPOR RETARDER. MIN. R-30
075425	THERMOPLASTIC-POLYOLEFIN (TPO) ROOFING
075426	THERMOPLASTIC-POLYOLEFIN (TPO) ROOFING OVER MEMBRANE BONDING ADHESIVE
075427	EXISTING ROOFING TO REMAIN
075431	HOT-AIR WELDED SEAM
075433	MEMBRANE AND BONDING ADHESIVE EXTENDED BELOW WOOD NAILER
076201	METAL FLASHING
077103	CANT STRIP
077112	3" X 4" METAL DOWNSPOUT
077251	PRE-FORMED INSULATED ROOF CURB
079202	SEALANT, TYP.
086202	7' X 7' UNIT SKYLIGHT
220501	GAS LINE, REFER TO PLUMBING DRAWINGS
224204	ROOF HYDRANT, REFERENCE PLUMBING
230001	NEW EXHAUST FAN, REFERENCE MECHANICAL
230003	NEW MECHANICAL EQUIPMENT, REFERENCE MECHANICAL
230005	NEW CONDENSING UNIT. REFERENCE MECHANICAL
230006	EXISTING EXHAUST FAN, REFERENCE MECHANICAL
230007	EXISTING RTU, REFERENCE MECHANICAL

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

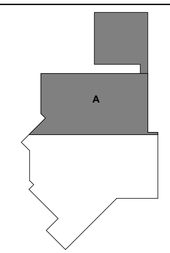
ROOF PLAN LEGEND

SLOPE — ROOF SLOPE ARROW

PYRAMID SKYLIGHT

ROOF WALKWAY PADS

KEYPLAN



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DLZ Architecture, Inc.

STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JMAH | CHK'D: DM
DESIGNED: KJ
APPRVD: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

ROOF PLAN - AREA A

DRAWING NUMBER A4.1

ARCHITECTURE

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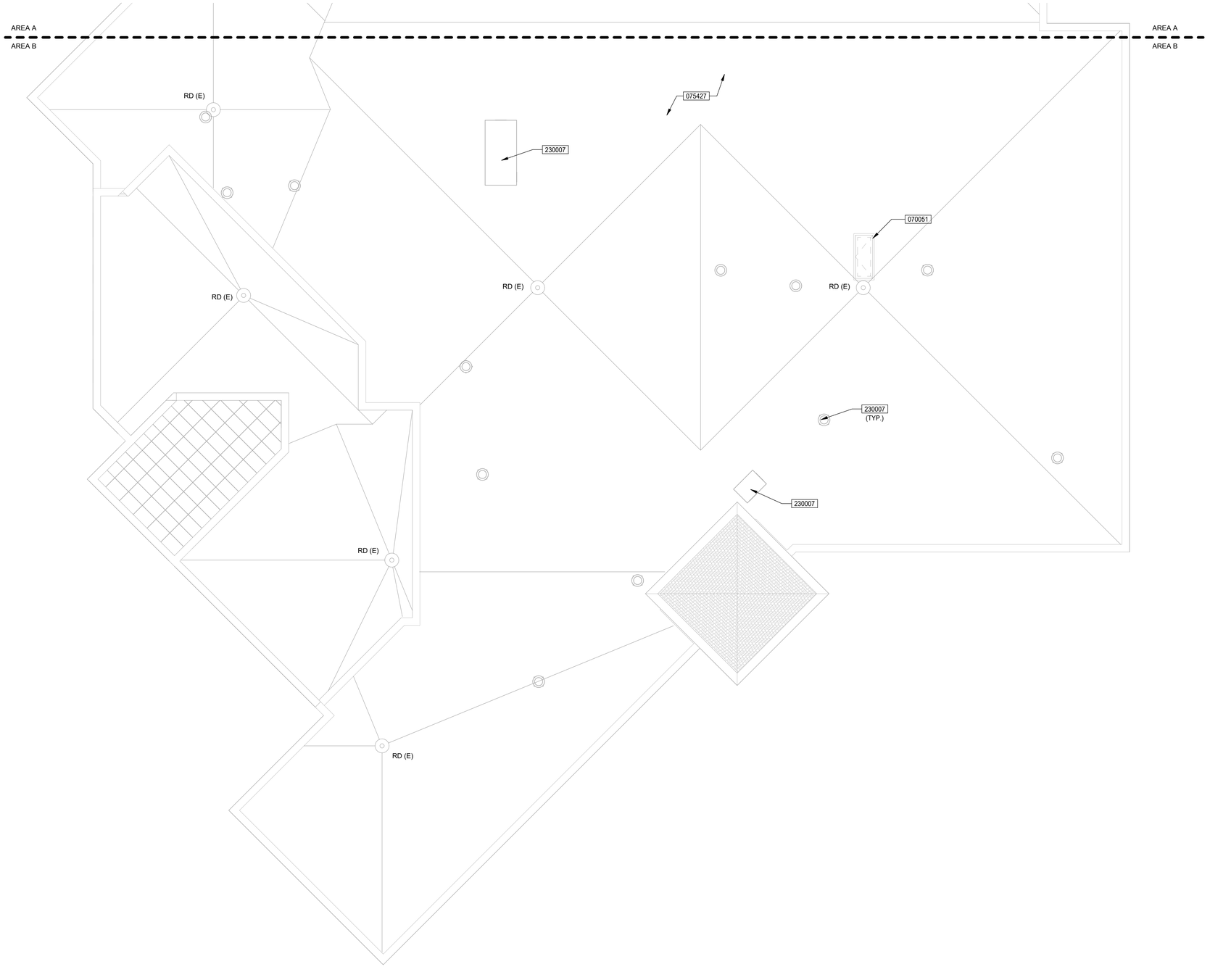


1 **ROOF PLAN - AREA B**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ROOF PENETRATING ITEMS. COORDINATE EXACT LOCATION IN THE FIELD.

C. AREA B ROOF PLAN IS SHOWN FOR REFERENCE AND HAS NO SCOPE.

D. ROOF SLOPES VARY AND IS BASED ON SLOPED STRUCTURE BETWEEN BEARING HEIGHTS. DIRECTION OF SLOPE SHOWN FOR REFERENCE.

E. VERIFY EXISTING ROOF WARRANTY INFORMATION WITH OWNER BEFORE ALTERING EXISTING ROOFING.

F. EXISTING ROOF SLOPES AND DRAINS SHOWN FOR REFERENCE BASED ON RECORD DRAWINGS.

KEYNOTES

070051 APPROXIMATE LOCATION OF EXISTING ROOF HATCH THROUGH SHERIFF'S OFFICE

075427 EXISTING ROOFING TO REMAIN

230007 EXISTING RTU, REFERENCE MECHANICAL

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

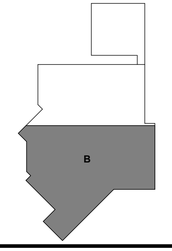
ROOF PLAN LEGEND

SLOPE ROOF SLOPE ARROW

PYRAMID SKYLIGHT

ROOF WALKWAY PADS

KEYPLAN



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101 HOME RD MT GILEAD, OHIO 43338

MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

ROOF PLAN - AREA B

DRAWING NUMBER A4.2

ARCHITECTURE

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9/28/2026 8:10:34 AM

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

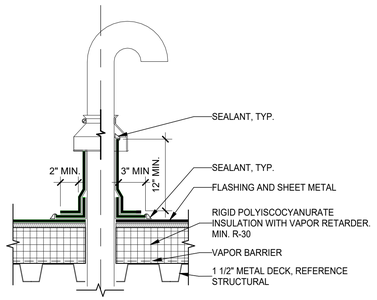
B. ALL NOTES INDICATE THE ASSOCIATED PRODUCT/MATERIAL. CONTRACTOR SHALL REFERENCE THE NOTE AND THE ASSOCIATED GRAPHICAL REPRESENTATION FOR QUANTITIES - TYPICAL. THE ABSENCE OF A NOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING/INSTALLING THE ASSOCIATED PRODUCT/MATERIAL GRAPHICALLY INDICATED - TYPICAL.

C. COORDINATE WITH M.E.P. FOR ANY BULKHEADS, POWER, DATA, OR EQUIPMENT REQUIREMENTS.

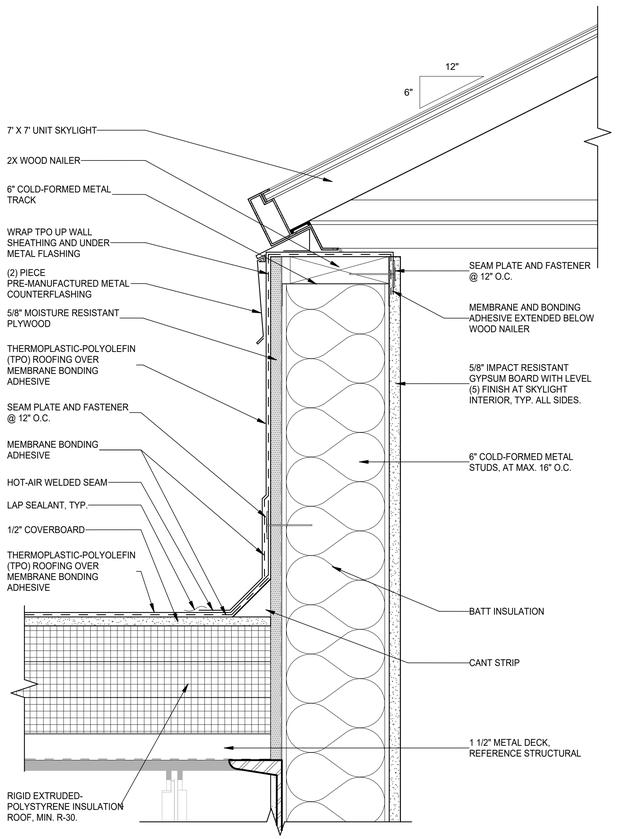
D. DIMENSIONS TO EXTERIOR FACES OF BUILDING ARE TO THE OUTSIDE OF THE MASONRY VENEER.

E. DIMENSIONS OF INTERIOR WALLS ARE TO FACE OF METAL STUD OR CMU.

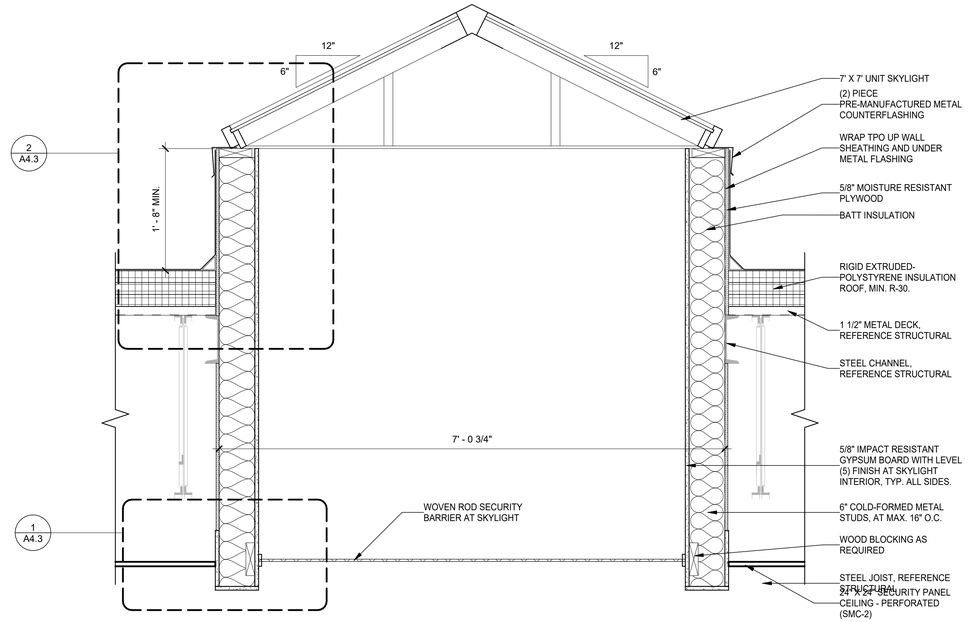
F. REFER TO PARTITON SCHEDULE ON SHEET A3.1.



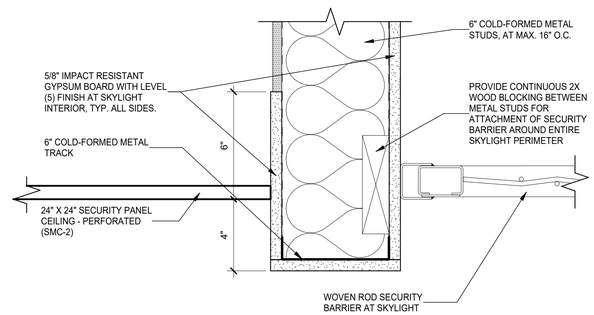
4 ROOF DETAIL - PIPE PENETRATION
SCALE: 1 1/2" = 1'-0"



2 SKYLIGHT - TOP WALL DETAIL
SCALE: 3" = 1'-0"



3 SKYLIGHT SECTION
SCALE: 1" = 1'-0"



1 SKYLIGHT - BOTTOM WALL DETAIL
SCALE: 3" = 1'-0"

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101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

ROOF DETAILS

DRAWING NUMBER
A4.3
ARCHITECTURE

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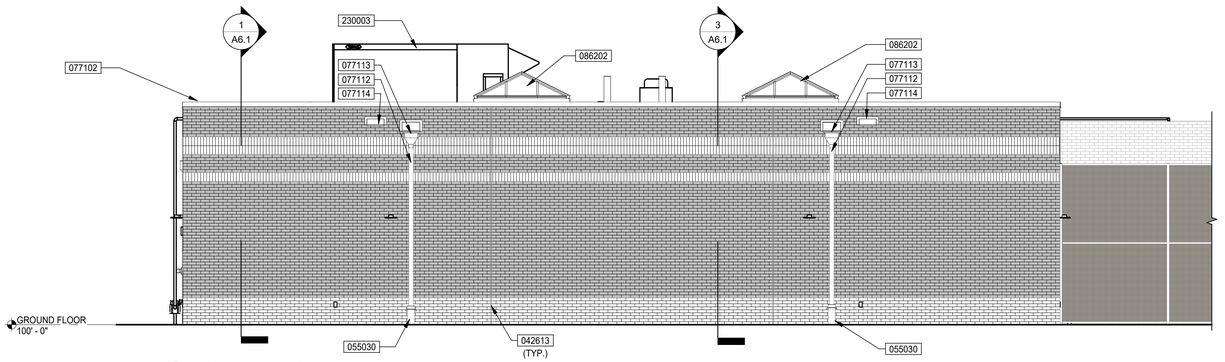
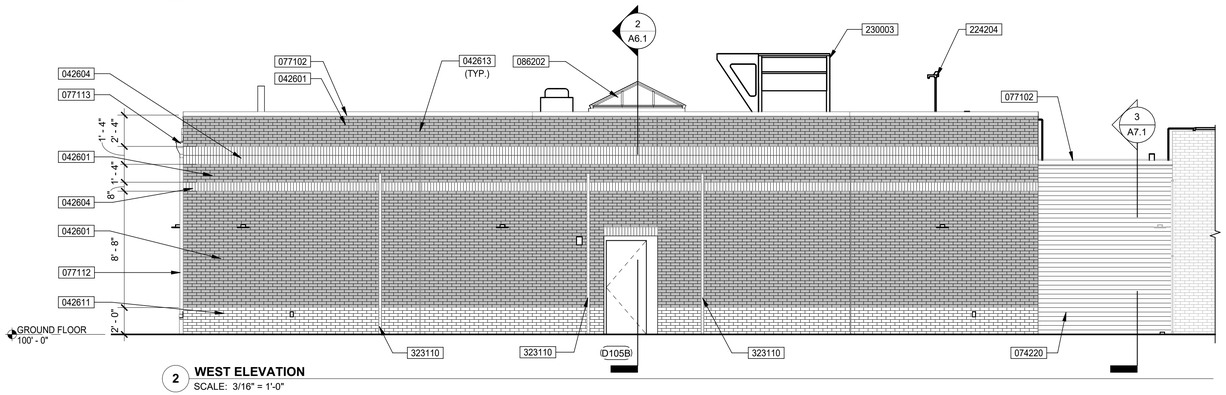
9/29/2026 8:10:35 AM

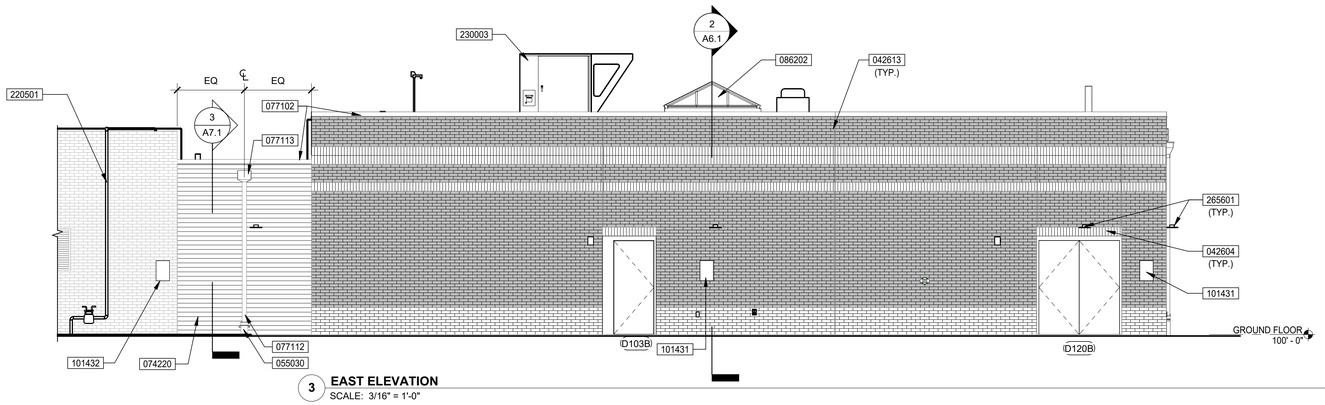


1 **NORTH ELEVATION**
SCALE: 3/16" = 1'-0"

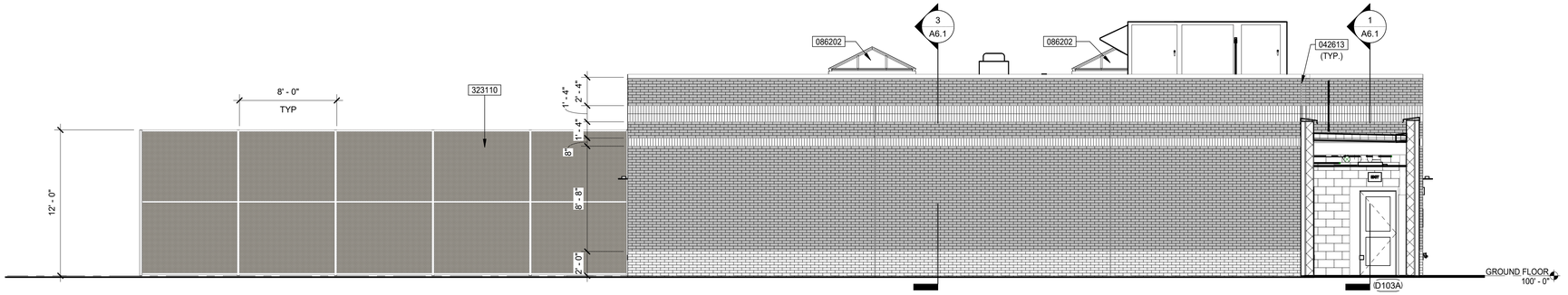
NOTE:
INTENT IS TO ALIGN WITH BRICK BANDING ON EXISTING BUILDING. FIELD VERIFY EXACT EXISTING ELEVATIONS



2 **WEST ELEVATION**
SCALE: 3/16" = 1'-0"



3 **EAST ELEVATION**
SCALE: 3/16" = 1'-0"



4 **SOUTH ELEVATION**
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. INSTALL CONTROL JOINTS (CJ) IN CMU AND EXPANSION JOINTS (EJ) IN MASONRY WALL SYSTEMS AS SHOWN. IF NOT INDICATED, INSTALL IN ACCORDANCE WITH INDUSTRY STANDARDS.

C. ALL KEYNOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. CONTRACTOR SHALL USE THE GRAPHIC REPRESENTATIONS FOR COUNTS AND NOT THE KEYNOTES. THE ABSENCE OF A KEYNOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY SHOWN ON THE DRAWINGS.

KEYNOTES

042601	MASONRY BRICK VENEER - TYPE 1, STRETCHER COURSE
042604	MASONRY BRICK VENEER - TYPE 1, SOLDIER COURSE
042611	MASONRY BRICK VENEER - TYPE 2, STRETCHER COURSE
042613	BRICK VENEER EXPANSION JOINT.
055030	METAL DOWNSPOUT BOOT, SEE CIVIL DRAWINGS
074220	INSULATED METAL WALL PANELS
077102	METAL COPING
077112	3" X 4" METAL DOWNSPOUT
077113	MIN. 4"H X 13"W SCUPPER ABOVE METAL CONDUCTOR HEAD
077114	MIN. 4"H X 13" H SCUPPER OVERFLOW OPENING, SEE DETAIL 7/A7.2
086202	7' X 7' UNIT SKYLIGHT
101431	NO SMOKING SIGNAGE
101432	EXISTING "NO TRESPASSING" SIGNAGE TO REMAIN
220501	GAS LINE, REFER TO PLUMBING DRAWINGS
224204	ROOF HYDRANT, REFERENCE PLUMBING
230003	NEW MECHANICAL EQUIPMENT, REFERENCE MECHANICAL
265601	EXTERIOR WALL MOUNTED LIGHTING FIXTURE, REFERENCE ELECTRICAL
323110	HIGH-SECURITY CHAIN LINK FENCES AND GATES, SEE SHEET A11.1

SCALE: 3/16" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

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STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JM/AH | CHKD: DM
DESIGNED: KJ
APPRVD: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER
2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

EXTERIOR ELEVATIONS

DRAWING NUMBER
A5.1

ARCHITECTURE

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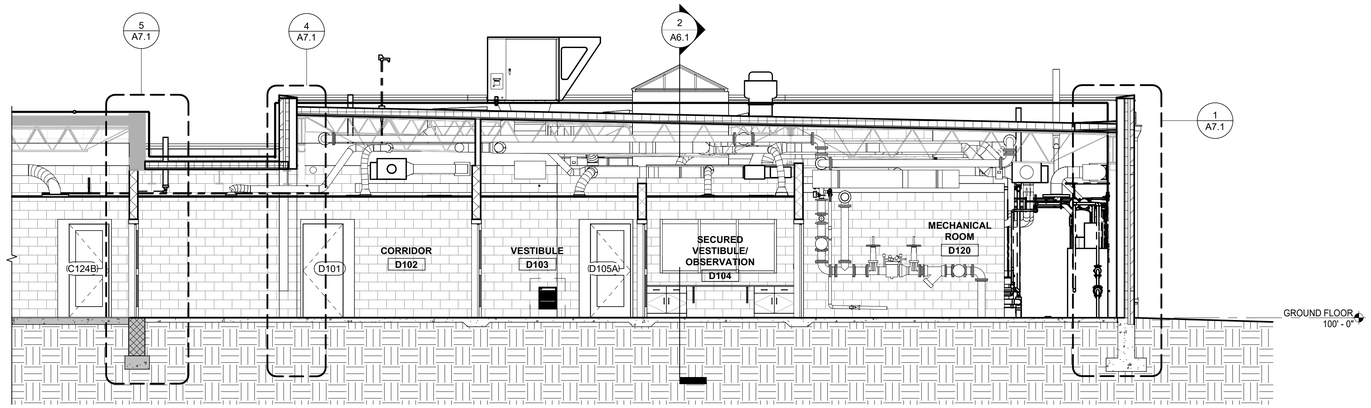
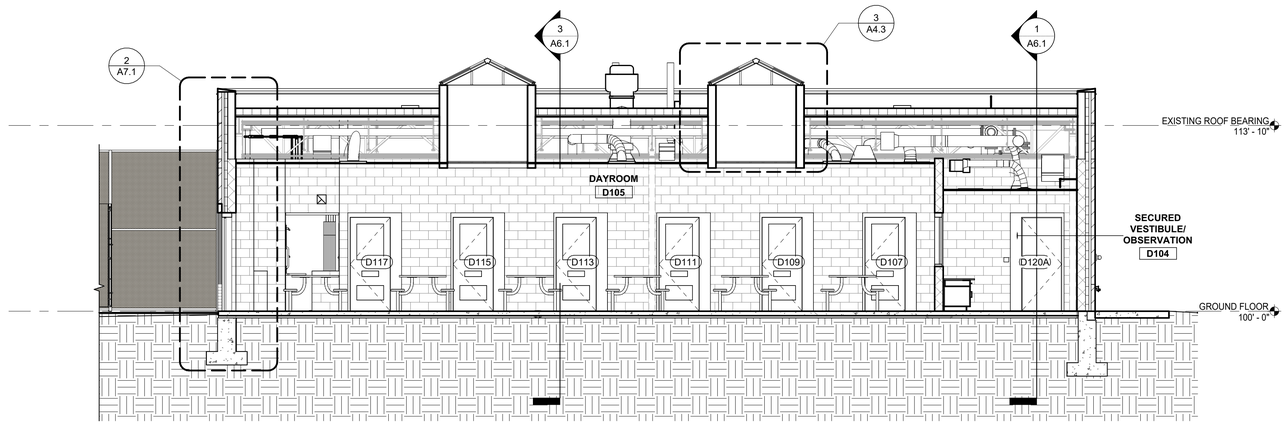
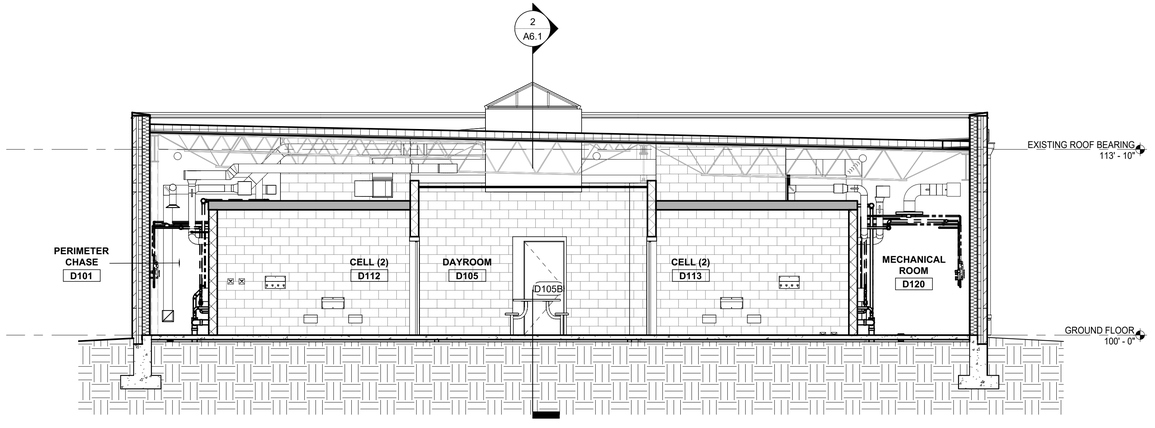


1 **BUILDING SECTION 1**
SCALE: 3/16" = 1'-0"



2 **BUILDING SECTION 2**
SCALE: 3/16" = 1'-0"



3 **BUILDING SECTION 3**
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

SCALE: 3/16" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

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STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JM/AM | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER
2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

BUILDING SECTIONS

DRAWING NUMBER
A6.1

ARCHITECTURE

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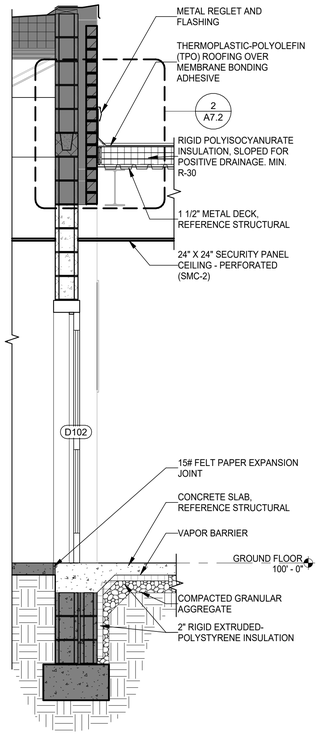
9/28/2026 8:10:46 AM

GENERAL NOTES:

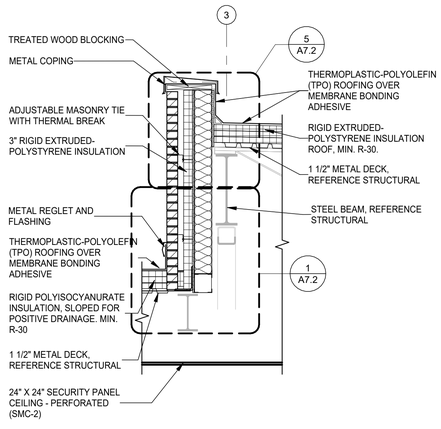
A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

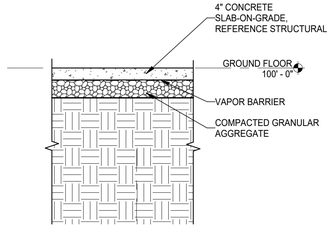
B. SEE G SERIES SHEETS FOR FIRE RATED AND SECURITY WALL CONSTRUCTION AND LOCATIONS.

C. ALL NOTES INDICATE THE ASSOCIATED PRODUCT/MATERIAL. CONTRACTOR SHALL REFERENCE THE NOTE AND THE ASSOCIATED GRAPHICAL REPRESENTATION FOR QUANTITIES - TYPICAL. THE ABSENCE OF A NOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING/INSTALLING THE ASSOCIATED PRODUCT/MATERIAL GRAPHICALLY INDICATED - TYPICAL.

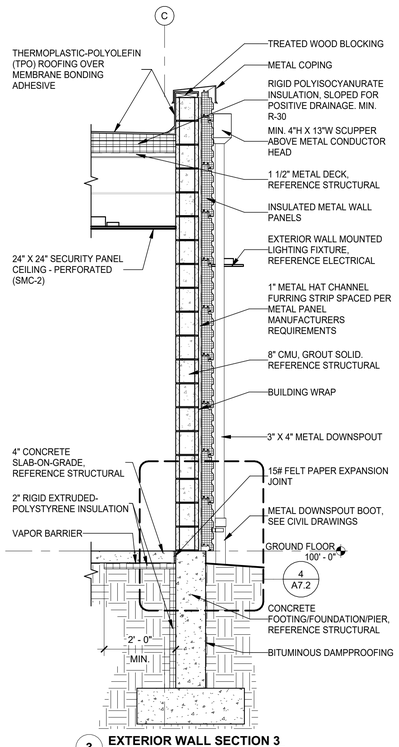


5 EXTERIOR WALL SECTION 5
SCALE: 1/2" = 1'-0"

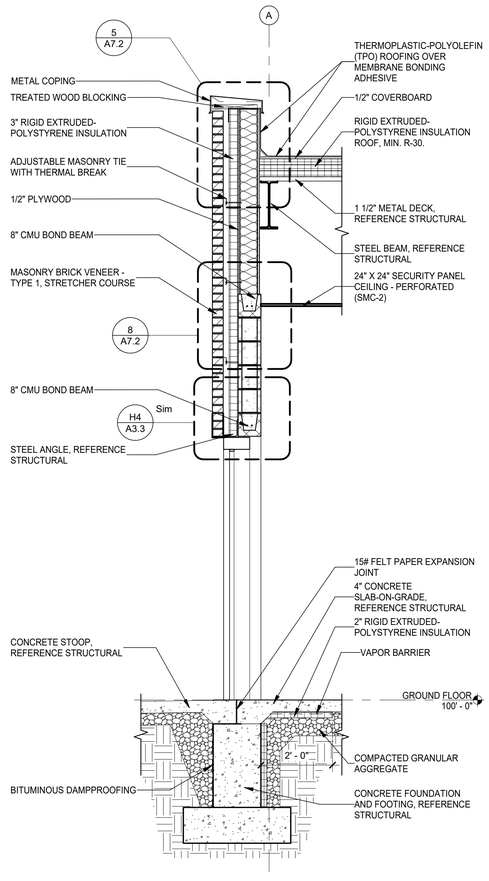




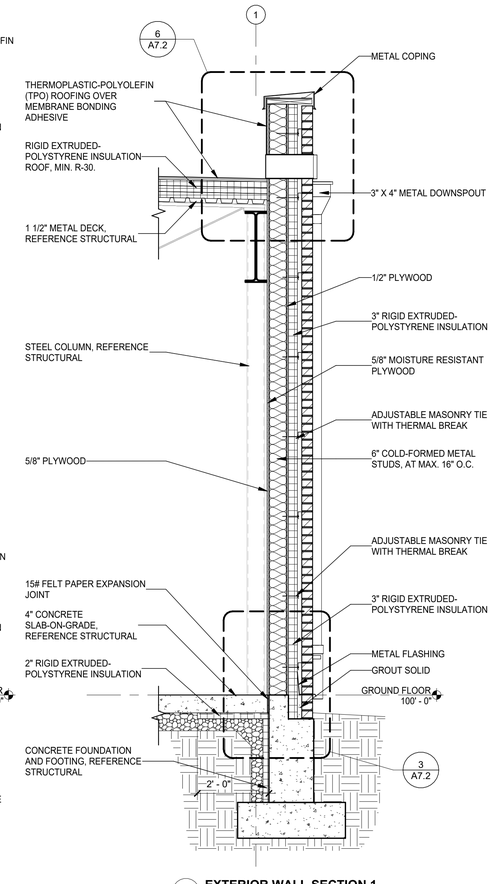
4 EXTERIOR WALL SECTION 4
SCALE: 1/2" = 1'-0"



3 EXTERIOR WALL SECTION 3
SCALE: 1/2" = 1'-0"



2 EXTERIOR WALL SECTION 2
SCALE: 1/2" = 1'-0"



1 EXTERIOR WALL SECTION 1
SCALE: 1/2" = 1'-0"

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

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

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STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JM/AH | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

WALL SECTIONS

DRAWING NUMBER: A7.1
ARCHITECTURE

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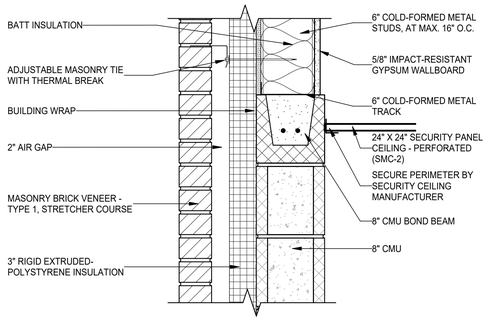
9/28/2026 8:10:48 AM

GENERAL NOTES:

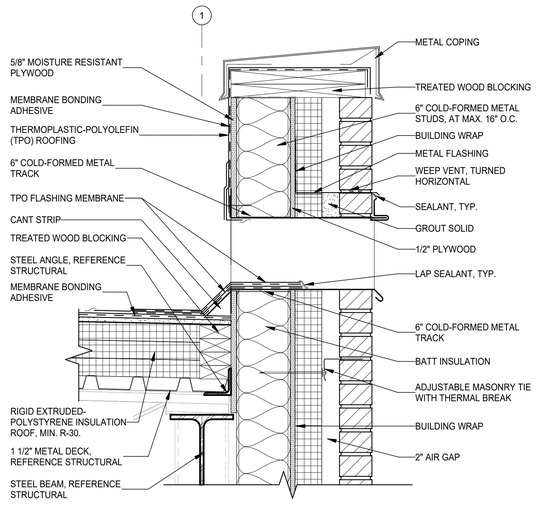
A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. SEE G SERIES SHEETS FOR FIRE RATED AND SECURITY WALL CONSTRUCTION AND LOCATIONS.

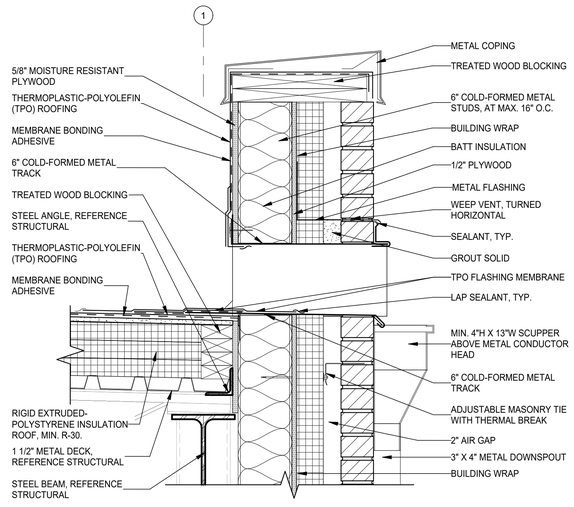
C. ALL NOTES INDICATE THE ASSOCIATED PRODUCT/MATERIAL. CONTRACTOR SHALL REFERENCE THE NOTE AND THE ASSOCIATED GRAPHICAL REPRESENTATION FOR QUANTITIES - TYPICAL. THE ABSENCE OF A NOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING/INSTALLING THE ASSOCIATED PRODUCT/MATERIAL GRAPHICALLY INDICATED - TYPICAL.



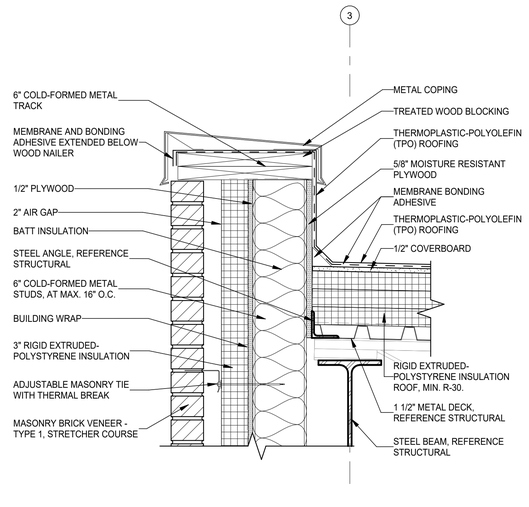
8 **EXTERIOR WALL CMU AND STUD WALL DETAIL**
SCALE: 1 1/2" = 1'-0"



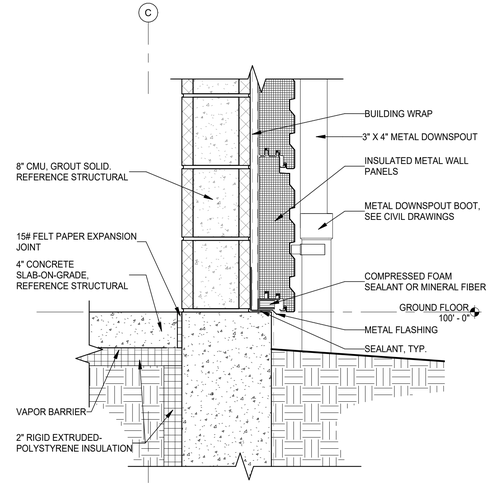
7 **EXTERIOR WALL OVERFLOW SCUPPER DETAIL**
SCALE: 1 1/2" = 1'-0"



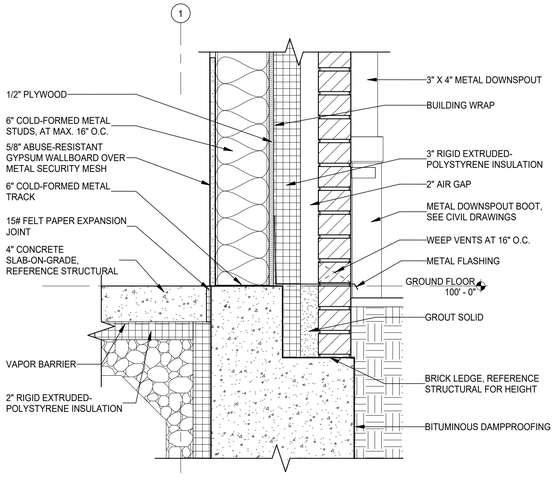
6 **EXTERIOR WALL SCUPPER OPENING DETAIL**
SCALE: 1 1/2" = 1'-0"



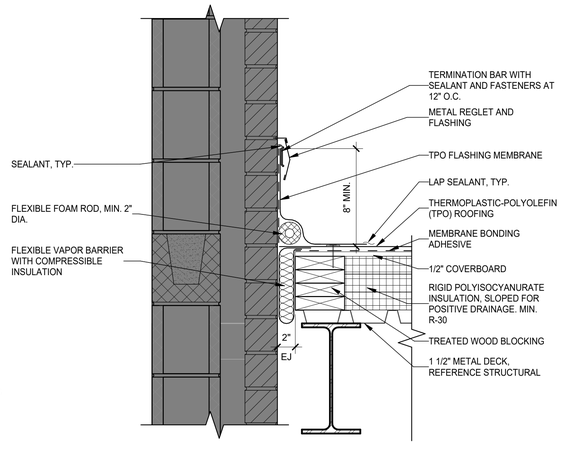
5 **EXTERIOR WALL PARAPET DETAIL**
SCALE: 1 1/2" = 1'-0"



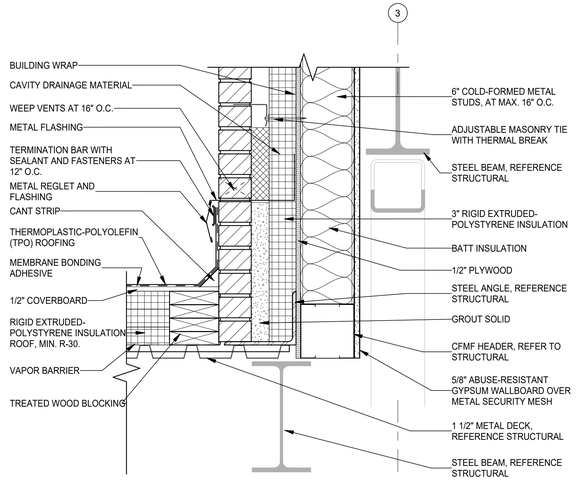
4 **EXTERIOR WALL SECTION 3 - PANEL WALL BASE**
SCALE: 1 1/2" = 1'-0"



3 **EXTERIOR WALL BASE DETAIL - BRICK VENEER**
SCALE: 1 1/2" = 1'-0"



2 **NEW ROOF TO EXISTING WALL DETAIL**
SCALE: 1 1/2" = 1'-0"



1 **WALL AND ROOF DETAIL - METAL STUD WALL**
SCALE: 1 1/2" = 1'-0"

SCALE: 1 1/2" = 1'-0"
0 6" 1' - 0" 2' - 0"

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STATE OF OHIO
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2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JM/AH | CHK'D: DM
DESIGNED: KJ
APPRVD: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER
2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

SECTION DETAILS

DRAWING NUMBER
A7.2

ARCHITECTURE

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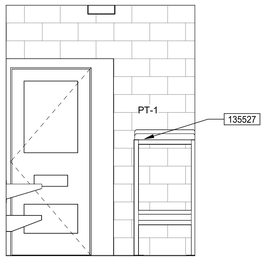
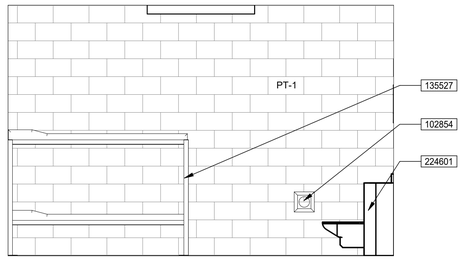
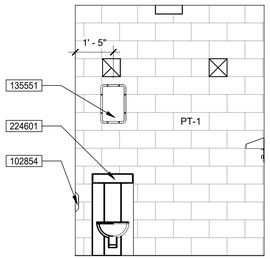
9/28/2026 8:10:50 AM



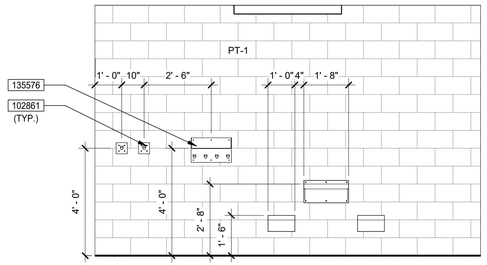
18 TYPICAL CELL - VIEW D
SCALE: 3/8" = 1'-0"



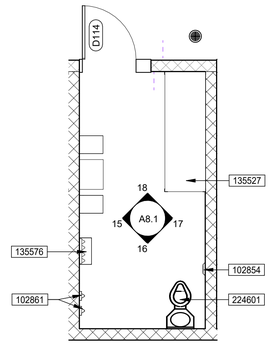
17 TYPICAL CELL - VIEW C
SCALE: 3/8" = 1'-0"



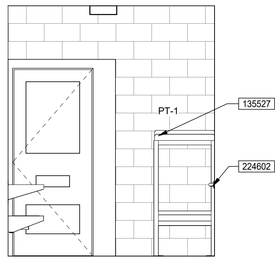
16 TYPICAL CELL - VIEW B
SCALE: 3/8" = 1'-0"



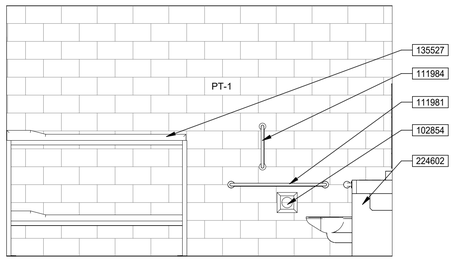
15 TYPCIAL CELL - VIEW A
SCALE: 3/8" = 1'-0"



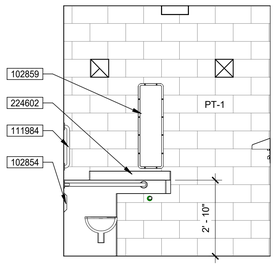
14 ENLARGED PLAN - TYPICAL CELL
SCALE: 1/4" = 1'-0"



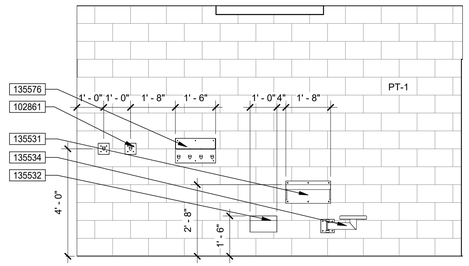
13 ACCESSIBLE CELL - VIEW D
SCALE: 3/8" = 1'-0"



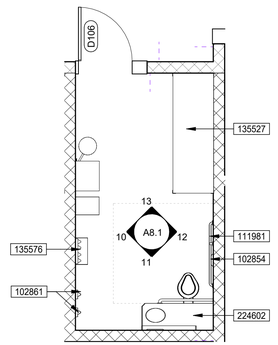
12 ACCESSIBLE CELL - VIEW C
SCALE: 3/8" = 1'-0"



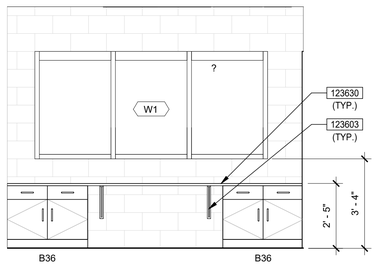
11 ACCESSIBLE CELL - VIEW B
SCALE: 3/8" = 1'-0"



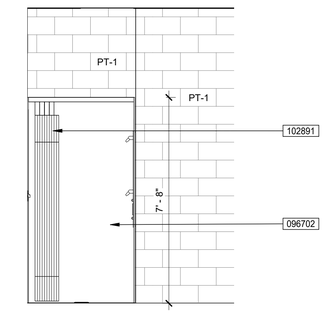
10 ACCESSIBLE CELL - VIEW A
SCALE: 3/8" = 1'-0"



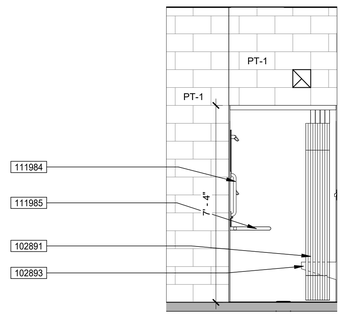
9 ENLARGED PLAN - ACCESSIBLE CELL
SCALE: 1/4" = 1'-0"



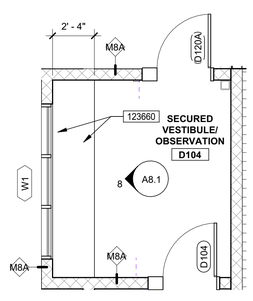
8 SECURE VESTIBULE/OBSERVATION - VIEW A
SCALE: 3/8" = 1'-0"



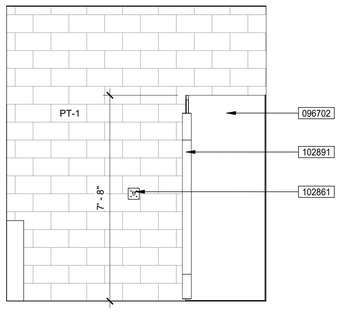
7 INMATE SHOWER D118 - SOUTH
SCALE: 3/8" = 1'-0"



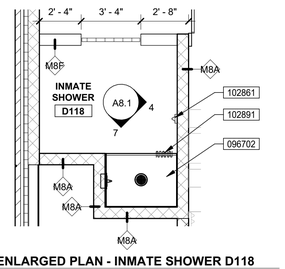
6 INMATE SHOWER D119 - NORTH
SCALE: 3/8" = 1'-0"



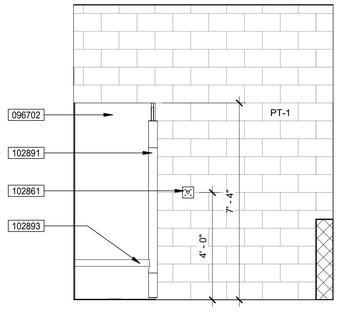
5 ENLARGED PLAN - SECURE VESTIBULE/OBSERVATION
SCALE: 1/4" = 1'-0"



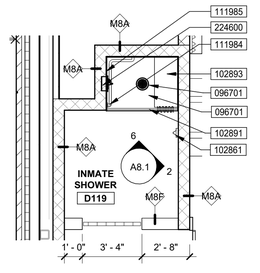
4 INMATE SHOWER D118 - EAST
SCALE: 3/8" = 1'-0"



3 ENLARGED PLAN - INMATE SHOWER D118
SCALE: 1/4" = 1'-0"



2 INMATE SHOWER D119 - EAST
SCALE: 3/8" = 1'-0"



1 ENLARGED PLAN - INMATE SHOWER D119
SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"
0 2' - 0" 4' - 0" 8' - 0"

SCALE: 3/8" = 1'-0"
0 2' - 0" 4' - 0" 8' - 0"

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. REFER TO SHEET G1.7 FOR STANDARD ADA MOUNTING HEIGHTS OF ALL FIXTURES, ACCESSORIES, AND SIGNAGE.

KEYNOTES

096701	RESINOUS WALKOFF DRYING AREA WITH SLIP RESISTANT COATING
096702	SEAMLESS SHOWER COATING
102854	RECESSED, DETENTION TOILET TISSUE HOLDER
102859	DETENTION MIRROR, 11X38
102861	DETENTION SAFETY TOWEL HOOK
102891	RELEASABLE SHOWER CURTAIN AND TRACK
102893	DETENTION STAINLESS STEEL FIXED SHOWER SEAT
111981	DETENTION GRAB BAR WITH BOTTOM CLOSURE PLATE - 42"
111984	DETENTION GRAB BAR WITH BOTTOM CLOSURE PLATE - 18" VERTICAL
111985	DETENTION GRAB BAR, "L" SHAPED 18"X32"
123603	CONCEALED COUNTERTOP SUPPORT, SPACE MAX. 48" O.C.
123630	PLASTIC-LAMINATE-CLAD COUNTERTOP
123660	SOLID SURFACE COUNTERTOP
135527	DETENTION STEEL DOUBLE BUNK; FLOOR MOUNTED 27X80
135531	DETENTION WALL MOUNTED DESK
135532	DETENTION WALL MOUNTED DESK SEAT
135534	DETENTION STAINLESS STEEL SWIVEL STOOL, WALL MOUNTED
135551	DETENTION MIRROR - 11X17
135576	DETENTION (4) SAFETY CLOTHES HOOK STRIP UNIT
224600	SECURITY PLUMBING FIXTURES
224601	COMBINATION STAINLESS STEEL SECURITY WATER CLOSET AND LAVATORY
224602	COMBINATION STAINLESS STEEL SECURITY WATER CLOSET AND LAVATORY - ADA

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DLZ Architecture, Inc.

STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JMH | CHK'D: DM
DESIGNED: KJ
APPRVD: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338

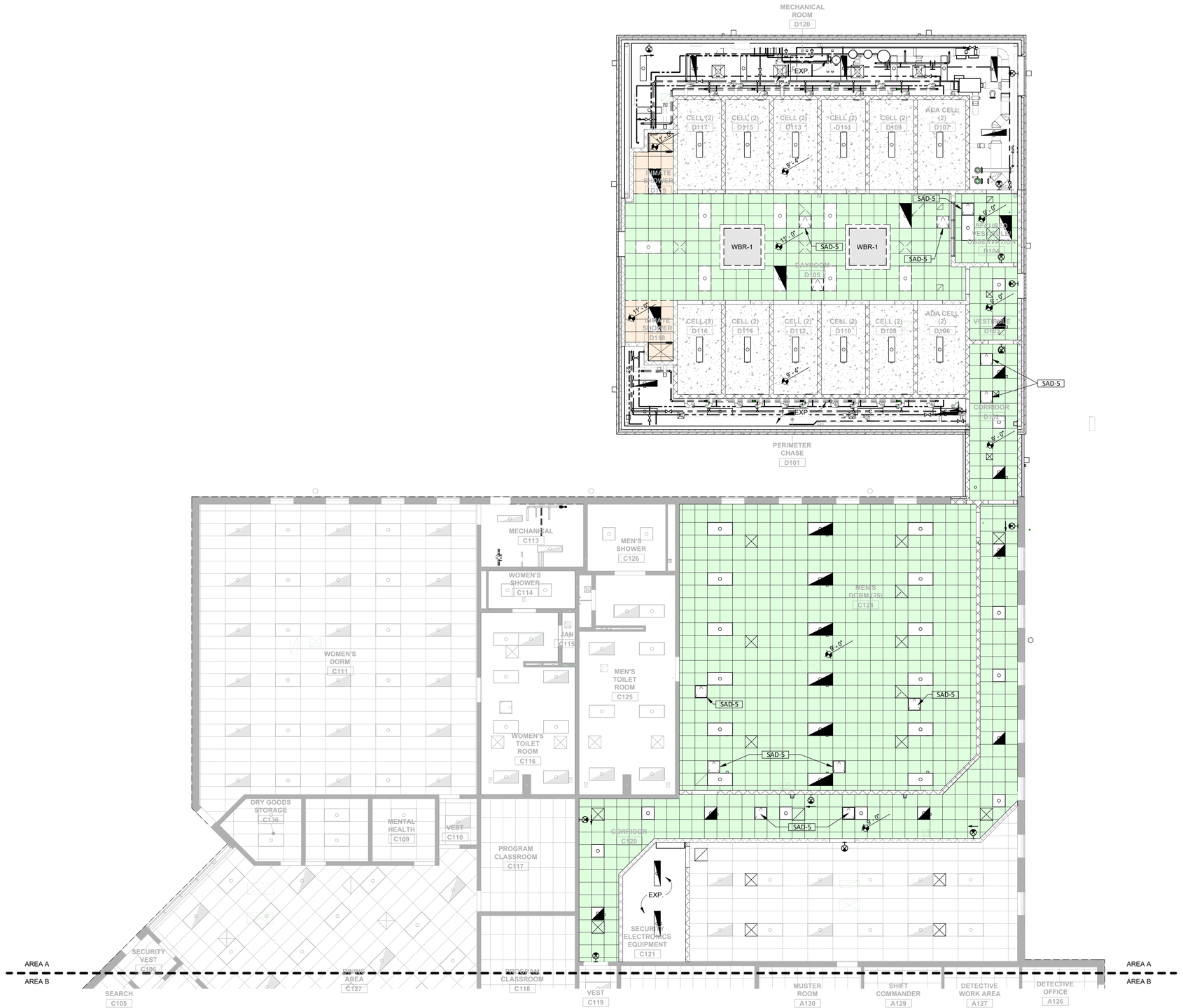
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

ENLARGED PLANS AND INTERIOR ELEVATIONS

DRAWING NUMBER A8.1

ARCHITECTURE

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
9/28/2026 8:10:55 AM



1 FIRST FLOOR REFLECTED CEILING PLAN - AREA A
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. GYPSUM BOARD CEILINGS LOCATED IN TOILET ROOMS AND LOCKER ROOMS SHALL BE MOLD- AND MOISTURE-RESISTANT TYPE.

C. EXPOSED STRUCTURAL STEEL, METAL DECK, AND PRE-CAST CONCRETE SHALL BE PAINTED.

D. EXPOSED DUCTWORK, PIPING AND CONDUIT SHALL BE PAINTED.

E. FIRE-PROTECTION SPRINKLER HEADS SHALL BE LOCATED WITHIN 2" OF THE CENTER OF ACOUSTICAL CEILING PANELS. COORDINATE WITH F.P. SYSTEM.

REFLECTED CEILING PLAN LEGEND

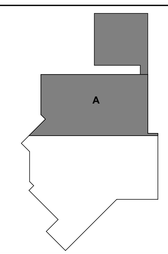
NOTE: NOT ALL CEILING TYPES SHOWN MAY BE IN USE

- 24"x24" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM **(ACP-1)**
- 24"x24" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM **(ACP-2)**
- 24"x24" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM **(ACP-3)**
- 24"x24" SECURITY PANEL CEILING SYSTEM, SOLID FACE **(SMC-1)**
- 24"x24" SECURITY PANEL CEILING SYSTEM, PERFORATED **(SMC-2)**
- 12" SECURITY PLANK CEILING SYSTEM, SOLID **(SMC-3)**
- 12" SECURITY PLANK CEILING SYSTEM, PERFORATED **(SMC-4)**
- 12" SECURITY STAINLESS STEEL PLANK CEILING SYSTEM, SOLID **(SMC-5)**
- 8" PRECAST CONCRETE CAP
- METAL PANEL CEILING SYSTEM OVERBUILD BY DETENTION EQUIPMENT CONTRACTOR
- SUSPENDED GYPSUM BOARD CEILING (PAINTED)
- EXP. EXPOSED
- RETURN AIR GRILLE, SEE MECHANICAL
- SUPPLY AIR DIFFUSER, SEE MECHANICAL
- EXHAUST GRILLE, SEE MECHANICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- ACCESS PANEL, SEE DOOR FRAME ELEVATIONS AND SCHEDULES SHEET
- SKYLIGHT, SEE DETAIL 1/A3.4

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

NOTE:
ELEMENTS ON THIS DRAWING ARE IDENTIFIED BY VARIOUS COLORS. IF THIS NOTE IS NOT RED, THIS DRAWING IS NOT IN COLOR AND NEEDS TO BE REPRINTED IN COLOR.

KEYPLAN



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STATE OF OHIO
KAREN E. JURICIC
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DRAWN: JM/AH | CHK'D: DM
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DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338

MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

FIRST FLOOR REFLECTED CEILING PLAN - AREA A

DRAWING NUMBER A10.1

ARCHITECTURE

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9/28/2026 8:10:57 AM

1 **FIRST FLOOR REFLECTED CEILING PLAN - AREA B**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. GYPSUM BOARD CEILINGS LOCATED IN TOILET ROOMS AND LOCKER ROOMS SHALL BE MOLD- AND MOISTURE-RESISTANT TYPE.

C. EXPOSED STRUCTURAL STEEL, METAL DECK, AND PRE-CAST CONCRETE SHALL BE PAINTED.

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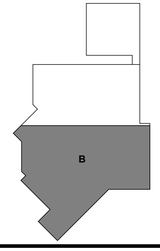
- 12" SECURITY PLANK CEILING SYSTEM, PERFORATED **(SMC-4)**
- 12" SECURITY STAINLESS STEEL PLANK CEILING SYSTEM, SOLID **(SMC-5)**
- 8" PRECAST CONCRETE CAP
- METAL PANEL CEILING SYSTEM OVERBUILD BY DETENTION EQUIPMENT CONTRACTOR
- SUSPENDED GYPSUM BOARD CEILING (PAINTED)
- EXP. EXPOSED
- RETURN AIR GRILLE, SEE MECHANICAL
- SUPPLY AIR DIFFUSER, SEE MECHANICAL
- EXHAUST GRILLE, SEE MECHANICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- ACCESS PANEL, SEE DOOR FRAME ELEVATIONS AND SCHEDULES SHEET
- SKYLIGHT, SEE DETAIL 1/A3.4

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

NOTE:
ELEMENTS ON THIS DRAWING ARE IDENTIFIED BY VARIOUS COLORS. IF THIS NOTE IS NOT RED, THIS DRAWING IS NOT IN COLOR AND NEEDS TO BE REPRINTED IN COLOR.

KEYPLAN



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STATE OF OHIO
KAREN E. JURICIC
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NO.	REVISION	DATE

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DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

FIRST FLOOR REFLECTED CEILING PLAN - AREA B

DRAWING NUMBER A10.2 ARCHITECTURE

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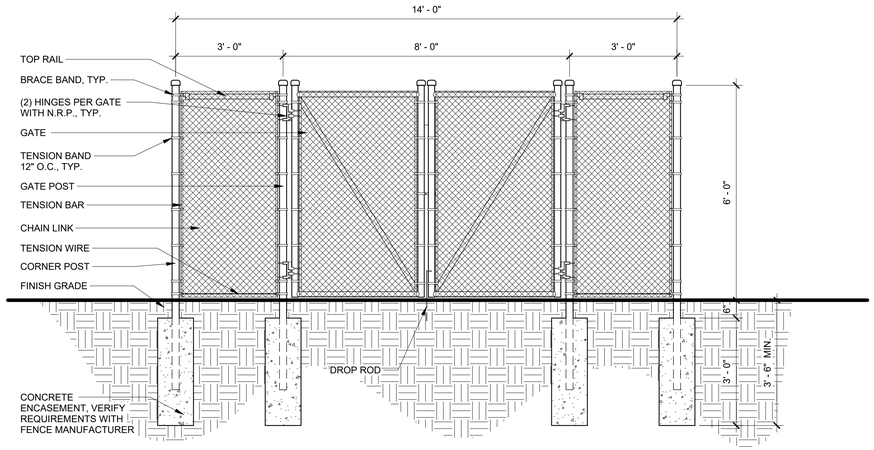
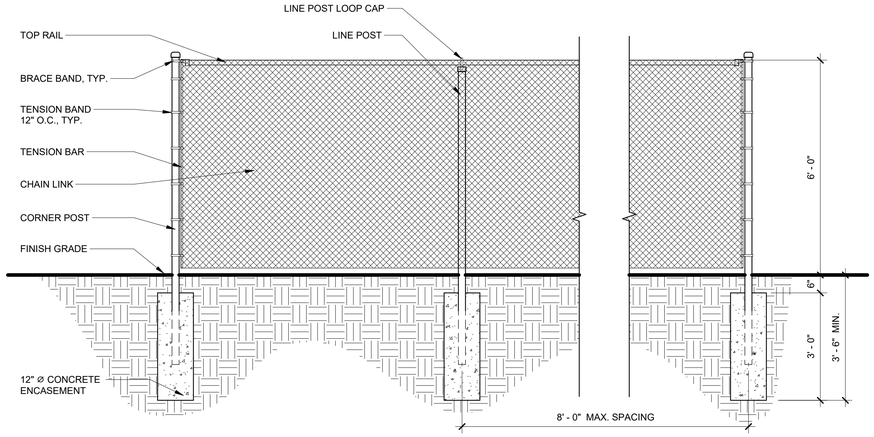




GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. ALL NOTES INDICATE THE ASSOCIATED PRODUCT/MATERIAL. CONTRACTOR SHALL REFERENCE THE NOTE AND THE ASSOCIATED GRAPHICAL REPRESENTATION FOR QUANTITIES - TYPICAL. THE ABSENCE OF A NOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING/INSTALLING THE ASSOCIATED PRODUCT/MATERIAL GRAPHICALLY INDICATED - TYPICAL.

C. COORDINATE WITH M.E.P. FOR ANY BULKHEADS, POWER, DATA, OR EQUIPMENT REQUIREMENTS.

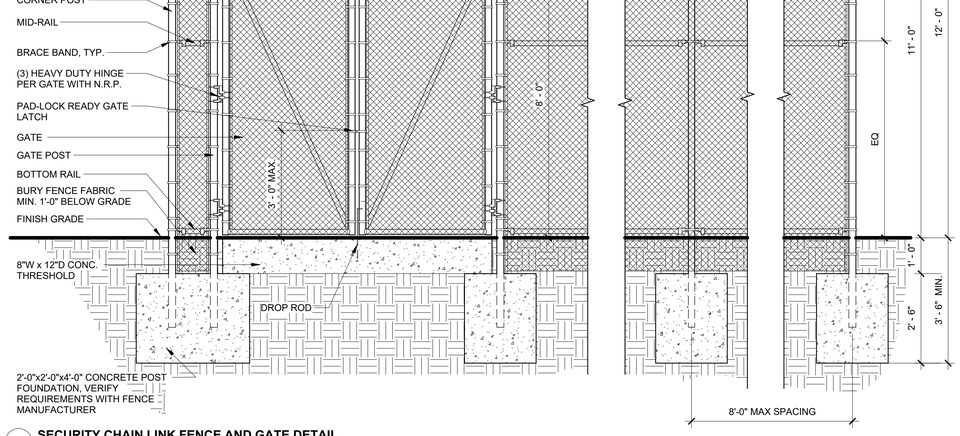
D. DIMENSIONS TO EXTERIOR FACES OF BUILDING ARE TO THE OUTSIDE OF THE MASONRY VENEER.

E. DIMENSIONS OF INTERIOR WALLS ARE TO FACE OF METAL STUD OR CMU.

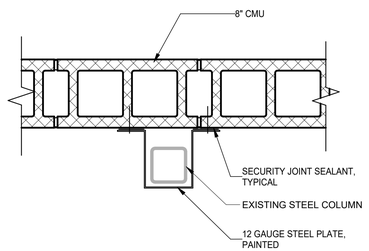
F. REFER TO PARTITON SCHEDULE ON SHEET A3.1.

8 STANDARD CHAIN LINK GATE DETAIL
SCALE: 1/2" = 1'-0"

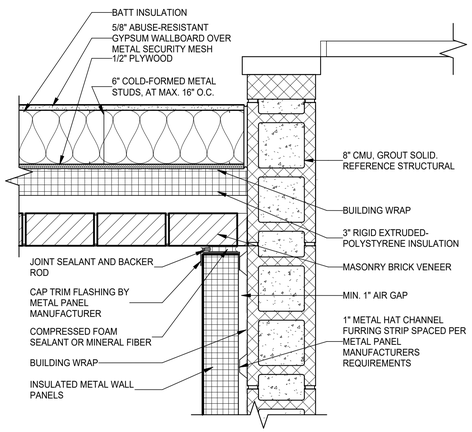
7 STANDARD CHAIN LINK FENCE AND GATE DETAIL
SCALE: 1/2" = 1'-0"



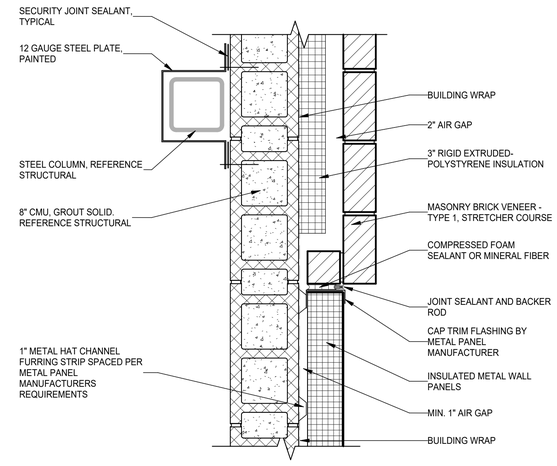
6 SECURITY CHAIN LINK FENCE AND GATE DETAIL
SCALE: 1/2" = 1'-0"



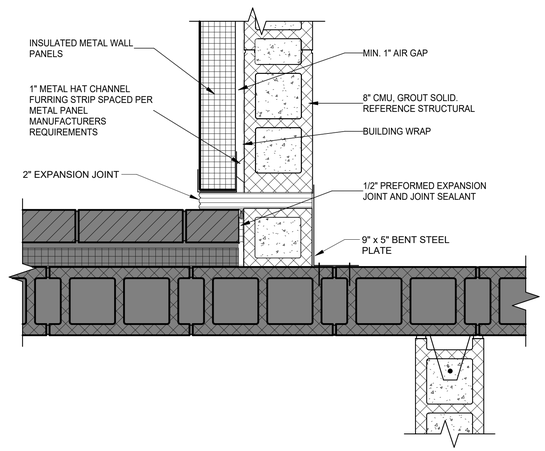
3 SECURITY COLUMN ENCLOSURE
SCALE: 1 1/2" = 1'-0"



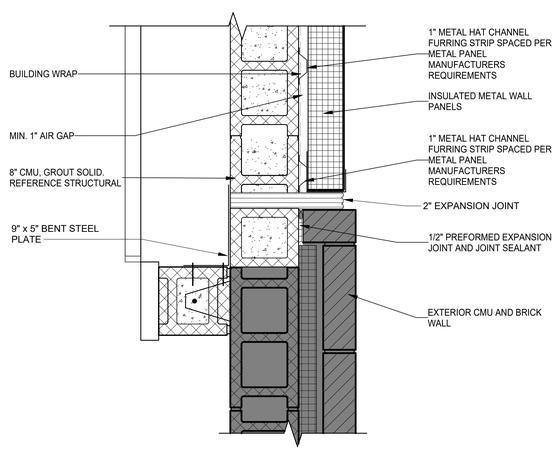
5 FIRST FLOOR PLAN - WALL DETAIL NW
SCALE: 1 1/2" = 1'-0"



4 FIRST FLOOR PLAN - WALL DETAIL NE
SCALE: 1 1/2" = 1'-0"



2 FIRST FLOOR PLAN - WALL DETAIL SW
SCALE: 1 1/2" = 1'-0"



1 FIRST FLOOR PLAN - WALL DETAIL SE
SCALE: 1 1/2" = 1'-0"

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

SCALE: 1 1/2" = 1'-0"
0 6" 1' - 0" 2' - 0"

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KAREN E. JURICIC
2218789
STATE OF OHIO
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JMAH
DESIGNED: KJ
CHK'D: DM
APPR'VD: KJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

FLOOR PLAN DETAILS

DRAWING NUMBER: A11.1
ARCHITECTURE

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9/28/2026 8:11:01 AM

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOORS		WALL FINISH			
		MAT.	BASE	NORTH	EAST	SOUTH	WEST
B127	CENTRAL CONTROL	EX	EX	PT-1	PT-1	PT-1	PT-1
C120	CORRIDOR	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
C121	SECURITY ELECTRONICS EQUIPMENT	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
C122	SHERIFF'S OFFICE EXPANSION	EX	BPT-1	PT-1	PT-1	PT-1	PT-1
C124	MEN'S DORM (25)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D101	PERIMETER CHASE	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D102	CORRIDOR	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D103	VESTIBULE	RS-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D104	SECURED VESTIBULE/ OBSERVATION	RS-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D105	DAYROOM	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D106	ADA CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D107	ADA CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D108	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D109	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D110	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D111	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D112	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D113	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D114	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D115	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D116	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D117	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D118	INMATE SHOWER	SSC-1	SSCB-1	PT-1	PT-1	PT-1	PT-1
D119	INMATE SHOWER	SSC-1	SSCB-1	PT-1	PT-1	PT-1	PT-1
D120	MECHANICAL ROOM	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1

1 **FIRST FLOOR FINISH PLAN - AREA A**
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. REFER TO DRAWING SHEET A3.1 FOR PARTITION SCHEDULE.

C. WHERE DIFFERENT FLOOR MATERIALS MEET, THEY SHALL MEET UNDER THE CENTERLINE OF DOORS, UNLESS NOTED OTHERWISE.

D. PROVIDE VINYL TRANSITION BETWEEN CARPET AND DISSIMILAR FLOOR FINISH.

FINISH ABBREVIATIONS:

NOTE: NOT ALL FINISHES SHOWN MAY BE IN USE

FLOORS:

CPT-1	CARPET TILE
WCT-1	WALK-OFF CARPET TILE FIELD
SC-1	SEALED CONCRETE FLOOR, CLEAR
RS-1	EPOXY RESINOUS FLOORING SYSTEM
SSC-1	SEAMLESS SHOWER COATING

WALLS:

PT-1	PAINT (UP TO 5 DIFFERENT COLORS)
CMU	CONCRETE MASONRY UNIT
GWB-1	GYPSUM WALL BOARD
GWB-2	MOISTURE RESISTANT GYPSUM WALL BOARD

WALL BASE:

RB-1	RESILIENT 4" BASE
BPT-1	8" BASE PAINT
RESB-1	EPOXY RESINOUS FLOORING INTEGRAL BASE
SSCB-1	SEAMLESS SHOWER COATING INTEGRAL BASE
EX	EXISTING TO REMAIN

FLOOR FINISH LEGEND

SC-1
RS-2
SSC-1
EXISTING FLOORING TO REMAIN

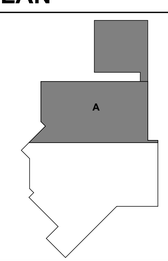
SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

FINISH ROOM TAGS:

ROOM NAME
NUMBER
BASE TYPE

NOTE:
ELEMENTS ON THIS DRAWING ARE IDENTIFIED BY VARIOUS COLORS. IF THIS NOTE IS NOT RED, THIS DRAWING IS NOT IN COLOR AND NEEDS TO BE REPRINTED IN COLOR.

KEYPLAN



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STATE OF OHIO
KAREN E. JURICIC
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PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

FIRST FLOOR FINISH PLAN - AREA A

DRAWING NUMBER A13.1 ARCHITECTURE

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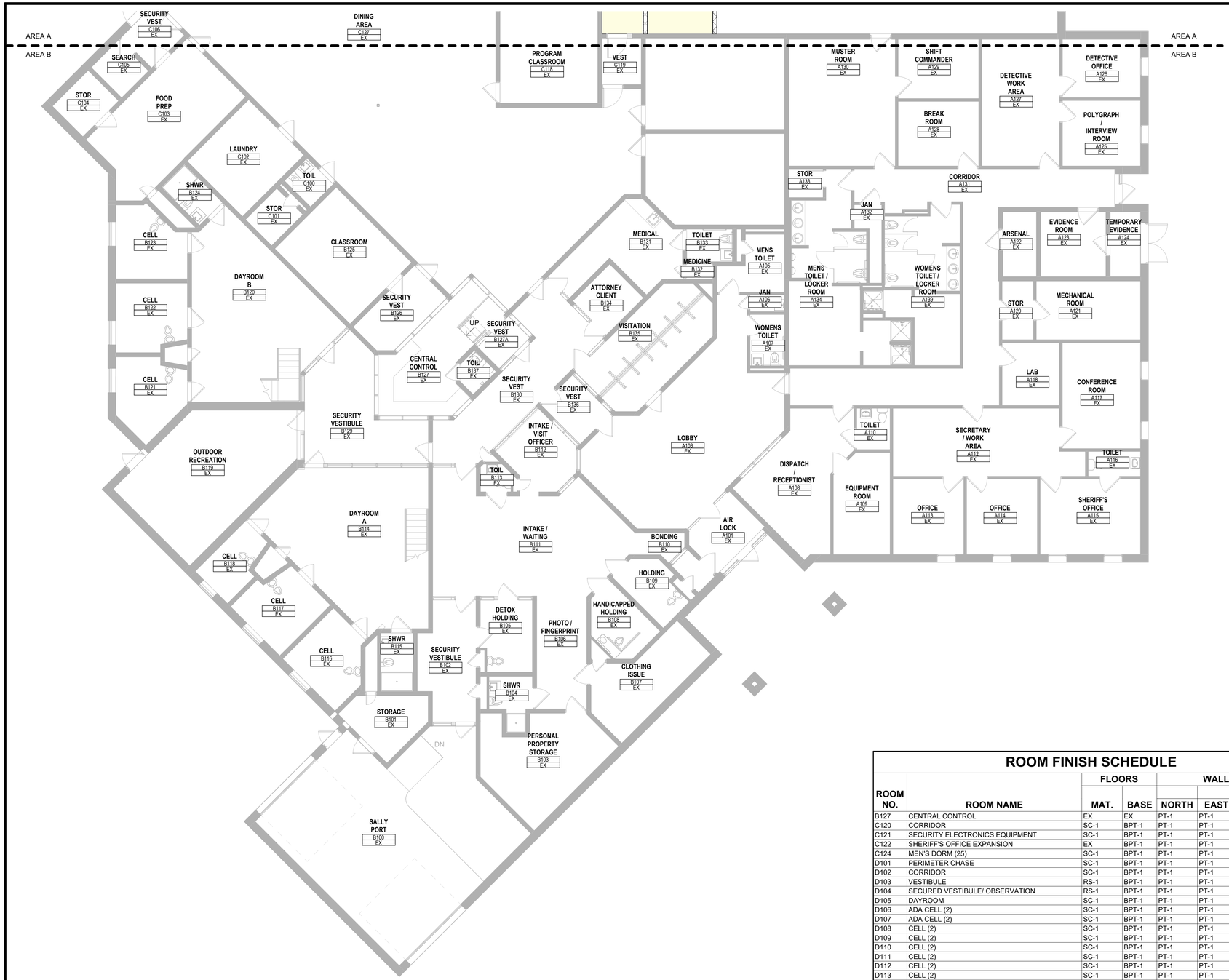
9/28/2026 8:11:03 AM



1 **FIRST FLOOR FINISH PLAN - AREA B**
SCALE: 1/8" = 1'-0"

NORTH

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOORS MAT.	FLOORS BASE	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST
B127	CENTRAL CONTROL	EX	EX	PT-1	PT-1	PT-1	PT-1
C120	CORRIDOR	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
C121	SECURITY ELECTRONICS EQUIPMENT	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
C122	SHERIFF'S OFFICE EXPANSION	EX	BPT-1	PT-1	PT-1	PT-1	PT-1
C124	MEN'S DORM (25)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D101	PERIMETER CHASE	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D102	CORRIDOR	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D103	VESTIBULE	RS-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D104	SECURED VESTIBULE/ OBSERVATION	RS-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D105	DAYROOM	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D106	ADA CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D107	ADA CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D108	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D109	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D110	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D111	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D112	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D113	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D114	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D115	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D116	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D117	CELL (2)	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1
D118	INMATE SHOWER	SSC-1	SSCB-1	PT-1	PT-1	PT-1	PT-1
D119	INMATE SHOWER	SSC-1	SSCB-1	PT-1	PT-1	PT-1	PT-1
D120	MECHANICAL ROOM	SC-1	BPT-1	PT-1	PT-1	PT-1	PT-1

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. REFER TO DRAWING SHEET A3.1 FOR PARTITION SCHEDULE.

C. WHERE DIFFERENT FLOOR MATERIALS MEET, THEY SHALL MEET UNDER THE CENTERLINE OF DOORS, UNLESS NOTED OTHERWISE.

D. PROVIDE VINYL TRANSITION BETWEEN CARPET AND DISSIMILAR FLOOR FINISH.

FINISH ABBREVIATIONS:

NOTE: NOT ALL FINISHES SHOWN MAY BE IN USE

FLOORS:

CPT-1	CARPET TILE
WCT-1	WALK-OFF CARPET TILE FIELD
SC-1	SEALED CONCRETE FLOOR, CLEAR
RS-1	EPOXY RESINOUS FLOORING SYSTEM
SSC-1	SEAMLESS SHOWER COATING

WALLS:

PT-1	PAINT (UP TO 5 DIFFERENT COLORS)
CMU	CONCRETE MASONRY UNIT
GWB-1	GYPSUM WALL BOARD
GWB-2	MOISTURE RESISTANT GYPSUM WALL BOARD

WALL BASE:

RB-1	RESILIENT 4" BASE
BPT-1	8" BASE PAINT
RESB-1	EPOXY RESINOUS FLOORING INTEGRAL BASE
SSCB-1	SEAMLESS SHOWER COATING INTEGRAL BASE
EX	EXISTING TO REMAIN

FLOOR FINISH LEGEND

SC-1 — RS-2

SSC-1 — EXISTING FLOORING TO REMAIN

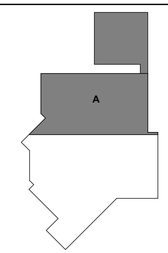
SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

FINISH ROOM TAGS:

ROOM NAME
NUMBER
BASE TYPE

NOTE:
ELEMENTS ON THIS DRAWING ARE IDENTIFIED BY VARIOUS COLORS. IF THIS NOTE IS NOT RED, THIS DRAWING IS NOT IN COLOR AND NEEDS TO BE REPRINTED IN COLOR.

KEYPLAN



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DLZ Architecture, Inc.

STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

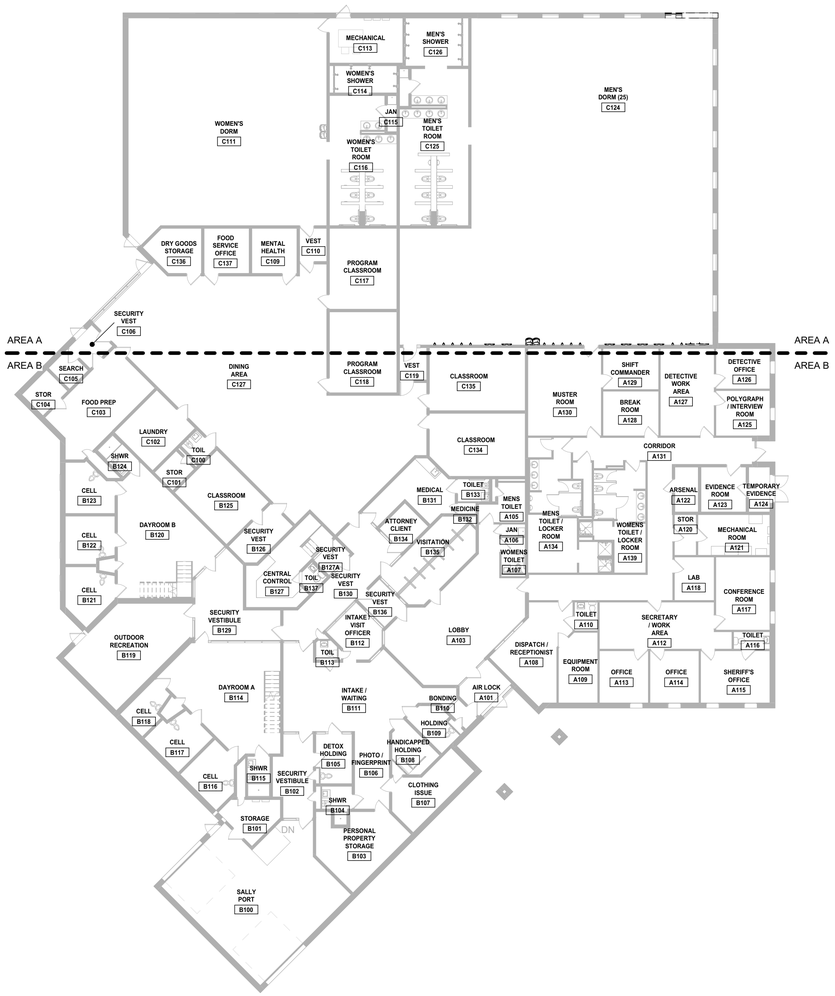
DRAWN: JM/AH | CHK'D: DM
DESIGNED: KJ
APPRV'D: KJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

FIRST FLOOR FINISH PLAN - AREA B

DRAWING NUMBER: A13.2
ARCHITECTURE

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
9/28/2026 8:11:05 AM



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

NORTH

GENERAL NOTES:

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SCALE: 1/16" = 1'-0"
0 8'-0" 16'-0" 32'-0"

REMOVAL LEGEND:

- EXISTING TO BE REMOVED
- EXISTING FLOORING FINISH TO BE REMOVED
- EXISTING SLAB TO BE REMOVED, REFER TO KEYNOTES FOR MORE INFORMATION
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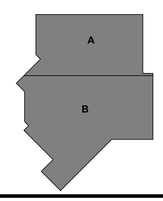
KEYPLAN



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DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

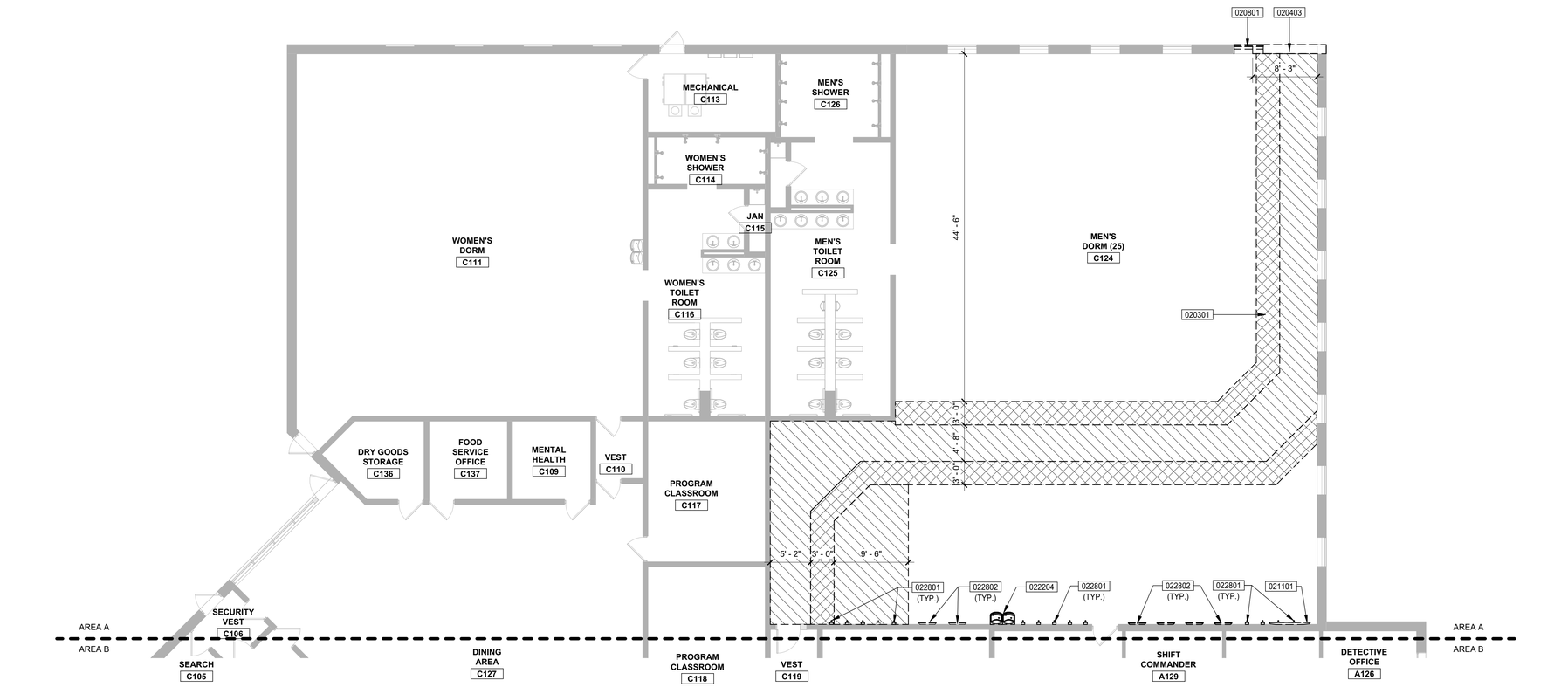
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

OVERALL FIRST FLOOR REMOVAL FLOOR PLANS

DRAWING NUMBER AD1.1

ARCHITECTURE

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
9/28/2026 8:10:02 AM



1 **FIRST FLOOR REMOVAL PLAN - AREA A**

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

NORTH

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KEYNOTES

020301	REMOVE PORTION OF EXISTING SLAB APPROXIMATELY AS SHOWN FOR INSTALLATION OF THICKENED SLAB FOR NEW CMU WALL. CENTER TRENCH ON CENTER LINE OF NEW WALL LOCATION.
020403	REMOVE PORTION OF EXISTING EXTERIOR CMU AND BRICK WALL FOR NEW OPENING. SALVAGE BRICK AS NEEDED TO FINISH OPENING
020801	REMOVE EXISTING WINDOW AND FRAME
021101	REMOVE EXISTING TELEVISION AND MOUNT. STORE FOR POTENTIAL REUSE.
022204	REMOVE EXISTING DRINKING FOUNTAIN
022801	REMOVE AND SALVAGE EXISTING DETENTION PHONES. STORE FOR POTENTIAL REUSE.
022802	REMOVE AND SALVAGE EXISTING COMMISSARY KIOSKS AND SCREENS. STORE FOR POTENTIAL REUSE.

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

0 4' - 0" 8' - 0" 16' - 0"

REMOVAL LEGEND:

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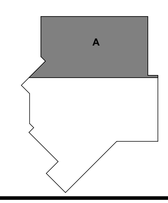

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STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JMHH
DESIGNED: KJ
APPRVD: KJ
CHK'D: DM
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

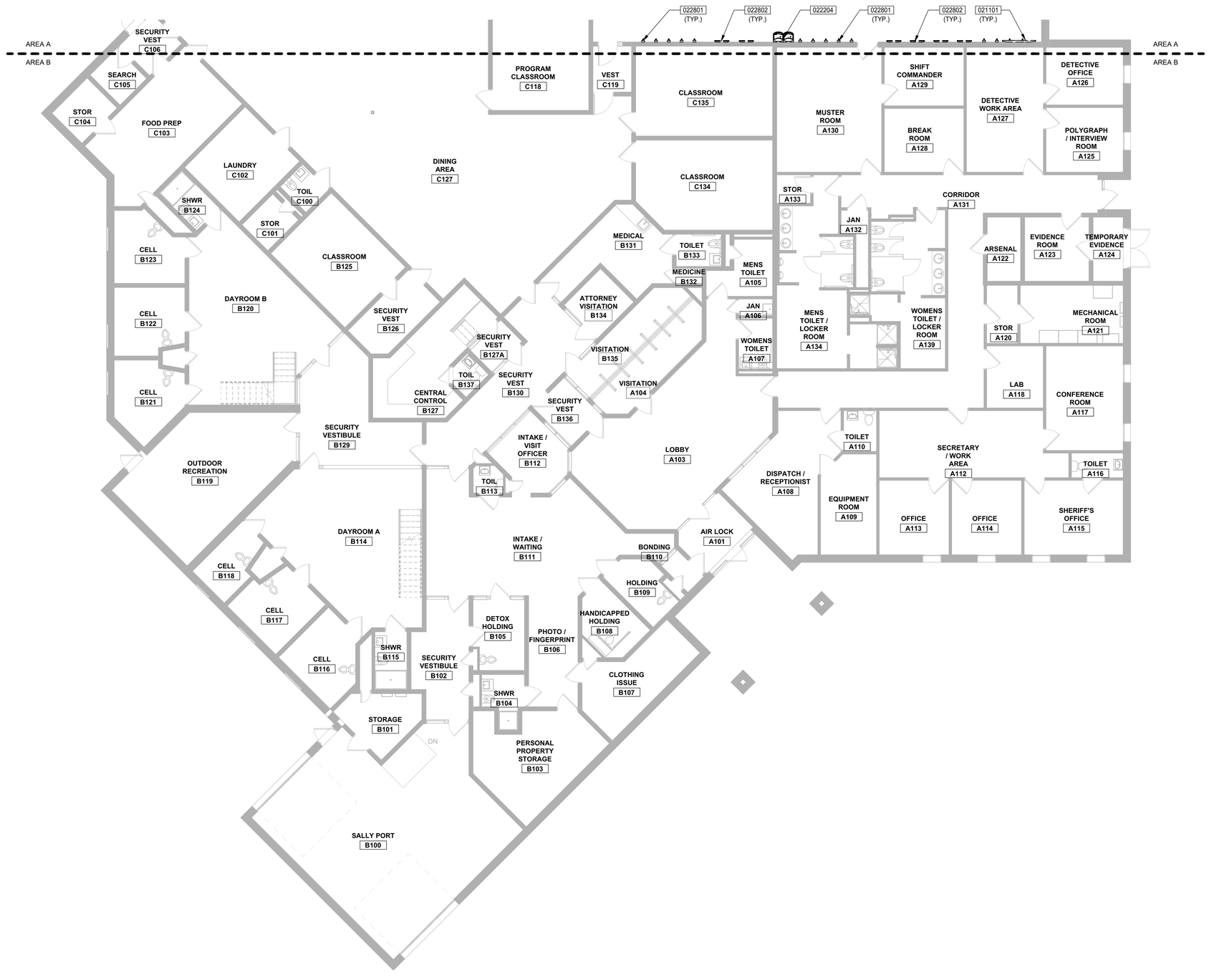
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

FIRST FLOOR REMOVAL FLOOR PLAN - AREA A

DRAWING NUMBER AD2.1

ARCHITECTURE

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
9/28/2026 8:10:04 AM



1 FIRST FLOOR REMOVAL PLAN - AREA B
SCALE: 1/8" = 1'-0"

NORTH

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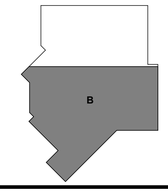

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APPRV'D: KJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

FIRST FLOOR REMOVAL FLOOR PLAN - AREA B

DRAWING NUMBER: AD2.2
ARCHITECTURE

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
9/28/2026 8:10:06 AM

FIRST FLOOR REFLECTED CEILING REMOVAL PLAN - AREA A

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

NORTH

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KEYNOTES

020906	REMOVE EXISTING ACT TILE CEILING AND GRID
020909	EXISTING ACT TILE CEILING TO REMAIN.
022301	REMOVE EXISTING DIFFUSER, REFER TO MECHANICAL DRAWINGS
022603	REMOVE EXISTING LIGHT FIXTURE, REFERENCE ELECTRICAL DRAWINGS
022605	EXISTING LIGHT FIXTURE TO REMAIN

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

0 4' - 0" 8' - 0" 16' - 0"

REMOVAL RCP LEGEND:

- 48"x24" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- RETURN AIR GRILLE, SEE MECHANICAL
- SUPPLY AIR DIFFUSER, SEE MECHANICAL
- EXHAUST GRILLE, SEE MECHANICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- LIGHT FIXTURE, SEE ELECTRICAL

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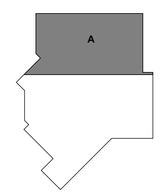

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PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

FIRST FLOOR REMOVAL REFLECTED CEILING PLAN - AREA A

DRAWING NUMBER AD10.1

ARCHITECTURE

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
9/28/2026 8:10:07 AM

FIRST FLOOR REFLECTED CEILING REMOVAL PLAN - AREA B
SCALE: 1/8" = 1'-0"

NORTH

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K. BUILDING TO REMAIN PARTIALLY OCCUPIED DURING CONSTRUCTION. SEQUENCE ALL DEMOLITION ACTIVITIES ACCORDINGLY TO MINIMIZE DISRUPTION OF BUILDING OCCUPANTS. CONTRACTOR TO WORK WITH BUILDING OPERATION STAFF TO DETERMINE BEST PHASING OF THE WORK.

L. AT LOCATIONS WHERE PORTIONS OF EXISTING CMU WALLS ARE BEING REMOVED TO ACCOMMODATE NEW DOOR/LOUVER/ WINDOW OPENINGS, CONTRACTOR SHALL REMOVE AN ADDITIONAL 8-INCHES ON EACH SIDE OF THE OPENING AND INSTALL A NEW BULLNOSE JAMB AND MASONRY LINTEL AT THE OPENING. NEW OPENING TO BE TOOTHED INTO EXISTING MASONRY COURSING.

M. CONTRACTOR SHALL COORDINATE DEMOLITION ACTIVITIES WITH NEW WORK TO VERIFY DIMENSIONS AND EXTENT OF REMOVALS PRIOR TO BEGINNING WORK.

N. IN CASES WHERE A PORTION OF AN EXISTING WALL IS BEING REMOVED TO ACCOMMODATE NEW CONSTRUCTION, THE CONTRACTOR MAY REMOVE ADDITIONAL ADJACENT WALL CONSTRUCTION AND RECONSTRUCT THE BALANCE OF THE WALL IF IT IS BENEFICIAL TO THE WORK, AT THE CONTRACTOR'S OPTION AND EXPENSE. OBTAIN APPROVAL FROM ARCHITECT PRIOR TO REMOVING MORE THAN WHAT IS INDICATED.

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

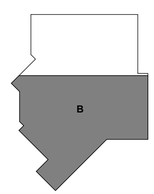
REMOVAL RCP LEGEND:

- 48"x24" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- RETURN AIR GRILLE, SEE MECHANICAL
- SUPPLY AIR DIFFUSER, SEE MECHANICAL
- EXHAUST GRILLE, SEE MECHANICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- LIGHT FIXTURE, SEE ELECTRICAL

REMOVAL LEGEND:

- EXISTING TO BE REMOVED
- EXISTING FLOORING FINISH TO BE REMOVED
- EXISTING SLAB TO BE REMOVED, REFER TO KEYNOTES FOR MORE INFORMATION
- EXISTING TO REMAIN

KEYPLAN



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DLZ Architecture, Inc.

STATE OF OHIO
KAREN E. JURICIC
2218789
REGISTERED ARCHITECT
09.25.26

NO.	REVISION	DATE

DRAWN: JMH/H | CHK'D: DM
DESIGNED: KJ
APPRVD: KJ
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

FIRST FLOOR REMOVAL REFLECTED CEILING PLAN - AREA B

DRAWING NUMBER AD10.2

ARCHITECTURE

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - ARCH.rvt
9/28/2026 8:10:09 AM

GENERAL NOTES:

1. THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) STANDARD DRAWINGS AND SPECIFICATIONS, CURRENT EDITION, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE PART OF THIS CONTRACT UNLESS OTHERWISE NOTED.

2. IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO PROVIDE AND REQUIRE A COMPLETED PROJECT READY FOR OPERATION. ANY WORK ITEMS OMITTED FROM THE CONTRACT DOCUMENTS WHICH ARE CLEARLY NECESSARY FOR COMPLETION OF THE WORK AND ITS APPURTENANCES SHALL BE CONSIDERED A PART OF SUCH WORK, THOUGH NOT DIRECTLY SPECIFIED OR CALLED FOR IN THE CONTRACT DOCUMENTS.

3. THE DESIGN ENGINEER OR OWNER REPRESENTATIVE WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION THAT ARE NOT SPECIFIED HEREIN. THE OWNER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE WORK SITE, OR FOR FAILURE BY THE CONTRACTOR TO PERFORM WORK ACCORDING TO THE CONTRACT DOCUMENTS.

4. ANY MODIFICATIONS TO THE WORK AS SHOWN ON THESE APPROVED PLANS SHALL HAVE PRIOR WRITTEN APPROVAL OF THE OWNER REPRESENTATIVE.

5. FOLLOWING COMPLETION OF CONSTRUCTION, A PROOF SURVEY SHALL BE PROVIDED BY THE CONTRACTOR THAT DOCUMENTS AS-BUILT INFORMATION ON ALL UTILITIES (SANITARY, WATER AND STORM) COMPLETED AS PART OF THIS PROJECT. THE CONTRACTOR SHALL REVISE THE ORIGINAL PLANS, TO THE SATISFACTION OF THE OWNER, SHOWING ALL CHANGES IN THE WORK, THE "AS-BUILT" DRAWINGS SHALL BE SUBMITTED TO THE OWNER WITHIN 30 DAYS OF PROJECT COMPLETION.

6. PROPERTY BOUNDARIES, INCLUDING PROPERTY LINES AND ROAD RIGHTS-OF-WAY, ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AND ARE NOT NECESSARILY COMPLETE OR CORRECT.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE FINISHED WORK CONFORM TO THE LINES, GRADES, ELEVATIONS, AND DIMENSIONS CALLED FOR ON THE DRAWINGS AND TYPICAL SECTIONS. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION LAYOUT SURVEYING/STAKING.

8. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS IN CASES OF DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTING OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE OWNER AT THE CONTRACTOR'S EXPENSE.

9. NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE OWNER REPRESENTATIVE.

10. THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING SIDEWALKS, CURBING, STEPS OR OTHER EXISTING ITEMS THAT ARE NOT DESIGNATED TO BE REMOVED. PRECAUTIONS TO PREVENT DAMAGE TO THESE ITEMS SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE TO THESE ITEMS. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION.

11. TRACKING OR SPILLING MUD, DIRT, OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS OR BIKE PATHS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR. IF THE CONTRACTOR FAILS TO REMOVE THE MUD, DIRT, DEBRIS, OR SPILLAGE, THE OWNER REPRESENTATIVE RESERVES THE RIGHT TO REMOVE THESE MATERIALS AND CLEAN THE AFFECTED AREAS. THE COST OF WHICH SHALL BE WITHHELD FROM MONIES THAT ARE DUE OR MAY BECOME DUE THE CONTRACTOR.

12. ALL SIGNS, LANDSCAPING, STRUCTURES OR OTHER APPURTENANCES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. THE COST OF THIS WORK SHALL BE PAID FOR BY THE CONTRACTOR.

13. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND VERIFY THE EXTENT OF THE WORK TO BE PERFORMED PRIOR TO MAKING HIS BID. THIS IS ESPECIALLY TRUE WITH REGARD TO ANY REMOVAL ITEMS.

14. THE CONTRACTOR SHALL EXPOSE THE EXISTING UNDERGROUND UTILITY OR STRUCTURE INDICATED ON THE PLANS SUFFICIENTLY IN ADVANCE OF LAYING THE PROPOSED SANITARY, WATER OR STORM SEWER LINE IN ORDER TO VERIFY THE PROPOSED LOCATION, ELEVATION, AND MATERIAL TYPE. COST SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS PIPE ITEMS.

15. ALL TREES WITHIN THE CONSTRUCTION AREA NOT DESIGNATED FOR REMOVAL, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE PRESERVED WITHOUT DAMAGE. TREES TO BE PRESERVED SHALL BE PROTECTED WITH HIGH VISIBILITY FENCING. THE FENCING SHALL BE PLACED IN SUCH A WAY AS TO MAXIMIZE PROTECTION OF THE BRANCHES, TRUNK, AND ROOTS.

16. EXCESS EXCAVATED MATERIAL FROM THIS PROJECT SHALL BE HAULED OFFSITE BY THE CONTRACTOR AND COMPENSATION FOR HAULING SHALL BE INCLUDED PER ITEM 207. LOCATION SHALL BE APPROVED BY THE OWNER.

17. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES STORM SEWER, DRAIN, AND DITCH FLOWS THROUGH EXISTING FACILITIES TO REMAIN IN PLACE AND THROUGH EXISTING FACILITIES TO BE REPLACED UNTIL NEW FACILITIES ARE COMPLETED AND PUT INTO SERVICE. THE FLOW OF ALL STORM SEWERS, DRAINS, AND OTHER WATER COURSES ENCOUNTERED AND DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK SHALL BE RESTORED BY THE CONTRACTOR TO A CONDITION SATISFACTORY TO THE OWNER REPRESENTATIVE. PAYMENT FOR THIS SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT.

18. ALL UNDERDRAINS SHALL BE DISCHARGED INTO THE NEAREST STORMWATER STRUCTURE AVAILABLE ALONG THE LINE OF FLOW. THE CONTRACTOR SHALL PROVIDE UNDERDRAIN BEYOND THE LIMITS CALLED FOR, AS REQUIRED, TO MAKE OUTLET CONNECTIONS.

19. ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEANED CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE OWNER.

20. WHERE PLANS CALL FOR CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES FOR BOTH LINE AND GRADE PRIOR TO THE START OF PIPE LAYING.

21. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT OR EXISTING APPURTENANCE TO BE CONNECTED DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE DESIGN ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

22. IF IT IS DETERMINED THAT A PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY WHEN CONSTRUCTED AS SHOWN ON THE PLAN, THE OWNER REPRESENTATIVE SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION ON ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE.

23. THE COST OF ANY DEWATERING OPERATIONS REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

24. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY AND ALL EXISTING WORK DAMAGED DURING OR DUE TO THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION PRIOR TO THE DAMAGE, AT HIS OWN EXPENSE. ALL SAID WORK TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER REPRESENTATIVE. ANY DAMAGE TO OTHER UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE APPROPRIATE UTILITY OWNER AT THE CONTRACTOR'S EXPENSE.

25. THE IDENTITY AND LOCATION OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS. THE OWNER OR ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OR DEPTH OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS.

26. SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES IN THE PROJECT AREA INCLUDING ALL LATERALS AND SERVICE LINES. COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS.

27. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL GIVE 48-HOUR NOTICE TO OHIO UTILITIES PROTECTION SERVICE BY CALLING 1-800-362-2764. A 48-HOUR NOTICE SHALL ALSO BE GIVEN TO ALL OWNERS OF EXISTING UTILITIES THAT ARE NOT MEMBERS OF A REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE.

28. PERMITS – THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION PERMITS AND LICENSES WITH THE EXCEPTION OF THE PLAN APPROVAL ISSUED BY THE OHIO EPA. THE OWNER SHALL ASSIST THE CONTRACTOR, WHEN NECESSARY, IN OBTAINING SUCH PERMITS AND LICENSES. THE CONTRACTOR SHALL PAY ALL OTHER GOVERNMENTAL CHARGES. THE CONTRACTOR SHALL PAY ALL CHARGES OF UTILITY OWNERS FOR CONNECTIONS TO THE WORK.

29. EMERGENCY PHONE NUMBER – THE CONTRACTOR SHALL PROVIDE THE OWNER REPRESENTATIVE WITH A 24-HOUR TELEPHONE NUMBER TO READILY CONTACT A RESPONSIBLE PARTY IN THE CASE OF AN EMERGENCY. COSTS AND/OR DAMAGES INCURRED RELATING TO WORK PERFORMED BY THE CONTRACTOR IN SUCH EMERGENCIES ARE THE CONTRACTOR'S RESPONSIBILITY AND NOT THAT OF THE OWNER.

UTILITY NOTES:

1. NATURAL GAS SERVICE MUST REMAIN ACTIVE AND OPERATIONAL AT THE EXISTING BUILDING AT ALL TIMES DURING THE COURSE OF CONSTRUCTION OPERATIONS. CONTRACTOR SHALL COORDINATE TEMPORARY SERVICE TO THE EXISTING BUILDING DURING CONSTRUCTION AND THE CONNECTION OF THE PROPOSED GAS LINE TO THE EXISTING WITH THE GAS COMPANY FOR PERMANENT SERVICE TO THE EXPANSION AND EXISTING BUILDING. CONTRACTOR SHALL COORDINATE ALL REQUIRED REMOVALS, RELOCATIONS, CONNECTIONS, DISCONNECTIONS, AND TEMPORARY SERVICE WITH THE UTILITY COMPANY DURING THE COURSE OF CONSTRUCTION.

2. CONTRACTOR SHALL COORDINATE THE CROSSING OF HOME ROAD FOR THE PROPOSED SANITARY SERVICE WITH MORROW COUNTY. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS REQUIRED FOR CONSTRUCTION WITHIN THE RIGHT OF WAY, CONNECTION TO THE EXISTING SANITARY SEWER, AND MEANS AND METHODS FOR CROSSING HOME ROAD.

LEGEND

LINETYPE / SYMBOL	EXISTING	PROPOSED
PROPERTY LINE	PL	
RIGHT-OF-WAY LINE	RW	
EOP/WALK/CURB/DRIVE		
SANITARY SEWER	S	S
GAS	G	G
WATER	W	W
STORM SEWER	ST	
STORM LATERAL		
ELECTRIC	OHE	E
TELEPHONE	T	T
MAJOR CONTOUR	1020	1020
MINOR CONTOUR	1019	1019
PAVEMENT STRIPING		
FENCE	X	
GUARDRAIL		
LIMITS OF CONSTRUCTION		
FIRE HYDRANT		
FDC		
WATER VALVE		
SIGN		
GAS VALVE		
INLET		
LIGHT POLE		
SANITARY MANHOLE	SA	
UTILITY RISER, PEDESTAL, BOX		
UTILITY POLE		
TREE		
TREE STUMP		
SHRUB		
CONCRETE		
SPOT ELEVATION (CURB)		XXXX.XX TC XXXX.XX EP
SPOT ELEVATION (GRADE)		XXXX.XX FG
EMERGENCY ROUTING ARROW		

ABBREVIATIONS

BOC	BOTTOM OF CURB
CB	CATCH BASIN
CL	CENTER LINE
DCMS	DESIGN, CONSTRUCTION, AND MATERIAL SPECIFICATIONS
CO	CLEANOUT
DND	DO NOT DISTURB
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
EP	EDGE OF PAVEMENT
ELEV	ELEVATION
EX	EXISTING
FG	FINISH GRADE
FT	FOOT/FEET
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
ME	MATCH EXISTING
MH	MANHOLE
NB	NORTHBOUND
ODOT	OHIO DEPARTMENT OF TRANSPORTATION
PR	PROPOSED
STA	STATION
STD	STANDARD
SWCD	SOIL & WATER CONSERVATION DISTRICT
TC	TOP OF CASTING
TOC	TOP OF CURB
TOS	TOP OF SLAB
T/W	TOP OF WALL
TYP	TYPICAL
W	WATER
YI	YARD INLET

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STATE OF OHIO
KENNETH A WHITE II
E-82248
REGISTERED
PROFESSIONAL ENGINEER

09/25/2026

NO.	REVISION	DATE

DRAWN: AJH | CHK'D: ESS
DESIGNED: AJH
APPRV'D: KAW
DATE: SEPTEMBER 25, 2026

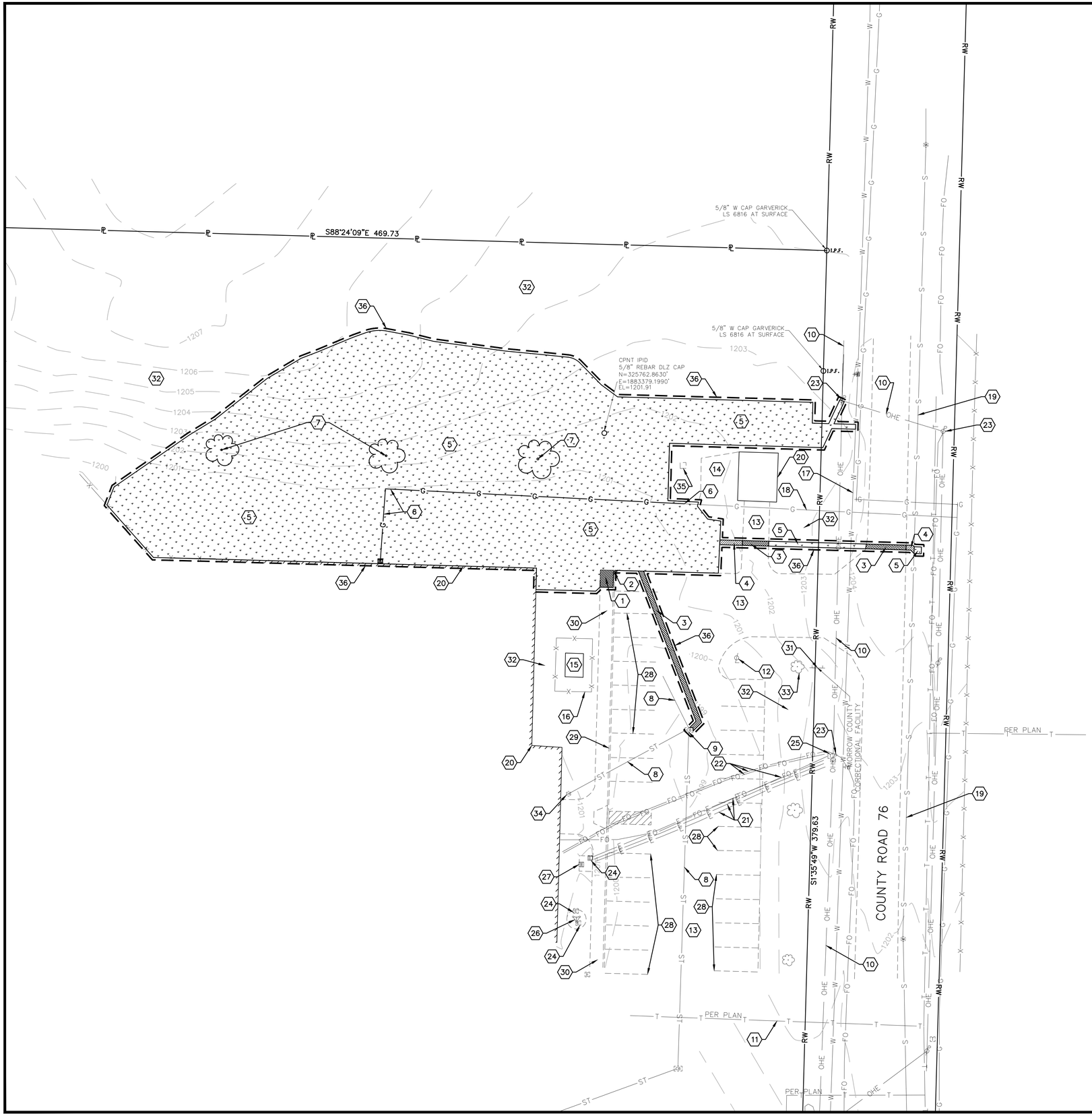
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

CIVIL GENERAL NOTES

DRAWING NUMBER C0.1

CIVIL



KEYNOTES (X)

1. ODOT ITEM 202 – EXISTING CONCRETE SIDEWALK TO BE REMOVED.
2. ODOT ITEM 202 – EXISTING CONCRETE CURB TO BE REMOVED.
3. ODOT ITEM 202 – EXISTING ASPHALT PAVEMENT TO BE REMOVED.
4. ODOT ITEM 202 – EXISTING GRAVEL PAVEMENT TO BE REMOVED.
5. ODOT ITEM 201 – EXISTING LANDSCAPING TO BE REMOVED AND/OR REPLACED AS NECESSARY.
6. ODOT ITEM 202 – EXISTING GAS TO BE REMOVED. CONTRACTOR SHALL COORDINATE ALL REQUIRED REMOVAL, RELOCATION, CONNECTIONS, DISCONNECTIONS, AND TEMPORARY SERVICE WITH THE UTILITY COMPANY DURING THE COURSE OF CONSTRUCTION.
7. ODOT ITEM 201 – EXISTING TREE TO BE REMOVED.
8. EXISTING STORM SEWER TO REMAIN.
9. EXISTING STORM STRUCTURE TO REMAIN.
10. EXISTING OVERHEAD ELECTRIC TO REMAIN.
11. EXISTING TELEPHONE SERVICE TO REMAIN. VERIFY LOCATION PRIOR TO EXCAVATION.
12. EXISTING LIGHT POLE TO REMAIN.
13. EXISTING ASPHALT PAVEMENT TO REMAIN.
14. EXISTING GRAVEL PAVEMENT TO REMAIN.
15. EXISTING GENERATOR TO REMAIN.
16. EXISTING FENCE TO REMAIN.
17. EXISTING WATER MAIN TO REMAIN.
18. EXISTING GAS LINE TO REMAIN.
19. EXISTING SANITARY SEWER TO REMAIN.
20. EXISTING BUILDING TO REMAIN.
21. EXISTING UNDERGROUND ELECTRIC TO REMAIN.
22. EXISTING FIBER OPTIC TO REMAIN.
23. EXISTING UTILITY POLE TO REMAIN.
24. EXISTING ELECTRIC STRUCTURE TO REMAIN.
25. EXISTING TELECOM STRUCTURE TO REMAIN.
26. EXISTING ELECTRIC TOWER TO REMAIN.
27. EXISTING ELECTRIC TRANSFORMER TO REMAIN.
28. EXISTING STRIPING TO REMAIN.
29. EXISTING CONCRETE CURB TO REMAIN.
30. EXISTING CONCRETE SIDEWALK TO REMAIN.
31. EXISTING SIGN TO REMAIN.
32. EXISTING LANDSCAPING TO REMAIN.
33. EXISTING TREE TO REMAIN.
34. EXISTING CLEANOUT TO REMAIN.
35. EXISTING CONCRETE PAD TO REMAIN.
36. LIMITS OF CONSTRUCTION/GRADING.

GENERAL NOTES

A. AT START OF PROJECT AND PRIOR TO DEMOLITION OF EXISTING CONDITIONS, CONTRACTOR SHALL BE IN CONTACT WITH ADJACENT PROPERTY OWNERS AND VILLAGE REPRESENTATIVE TO COORDINATE DEMOLITION TIMING.

B. CONTRACTOR TO REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER MATERIALS RESULTING FROM DEMOLITION AND CONSTRUCTION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.

C. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING CONSTRUCTION PHASES OF THIS PROJECT. CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR DAMAGE TO NEIGHBORING PROPERTIES OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES.

D. ALL EXISTING UTILITIES ARE SHOWN HEREIN AS REFERENCE ONLY AND ARE BASED ON RECORD OF THE VARIOUS UTILITY COMPANIES AND A FIELD SURVEY. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS OF ALL UTILITIES PRIOR TO DEMOLITION ACTIVITIES.

E. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE STATE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

F. CONTRACTOR SHALL CONFINE ALL STOCKPILING OF DEMOLITION MATERIALS TO WITHIN THE LIMITS OF THE SUBJECT PROPERTY.

G. CONTRACTOR SHALL INSTALL SILT FENCE AND INLET PROTECTION AS NECESSARY PRIOR TO BEGINNING SITE DEMOLITION.

H. ANY EXISTING FOUNDATIONS, BASEMENT WALLS, SLABS OR OTHER STRUCTURAL REMNANTS SHALL BE REMOVED ENTIRELY. ALL EXCAVATIONS FROM THE REMOVAL OF UNDERGROUND STRUCTURES SHOULD BE BACKFILLED WITH PROPERLY COMPACTED ENGINEERED FILL.

LEGEND

- ASPHALT REMOVAL
- GRAVEL REMOVAL
- LANDSCAPE REMOVAL
- CONCRETE REMOVAL

PROJECT CONTROL/BASIS OF BEARINGS
OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NSRS (2011).

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

N
0 10 20
FEET
1" = 20'

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DLZ Architecture, Inc.

STATE OF OHIO
KENNETH A WHITE II
E-82248
REGISTERED
PROFESSIONAL ENGINEER
09/25/2026

NO.	REVISION	DATE

DRAWN: AJH | CHK'D: ESS
DESIGNED: AJH
APPRV'D: KAW
DATE: SEPTEMBER 25, 2026

101 HOME RD MT GILEAD, OHIO 43338

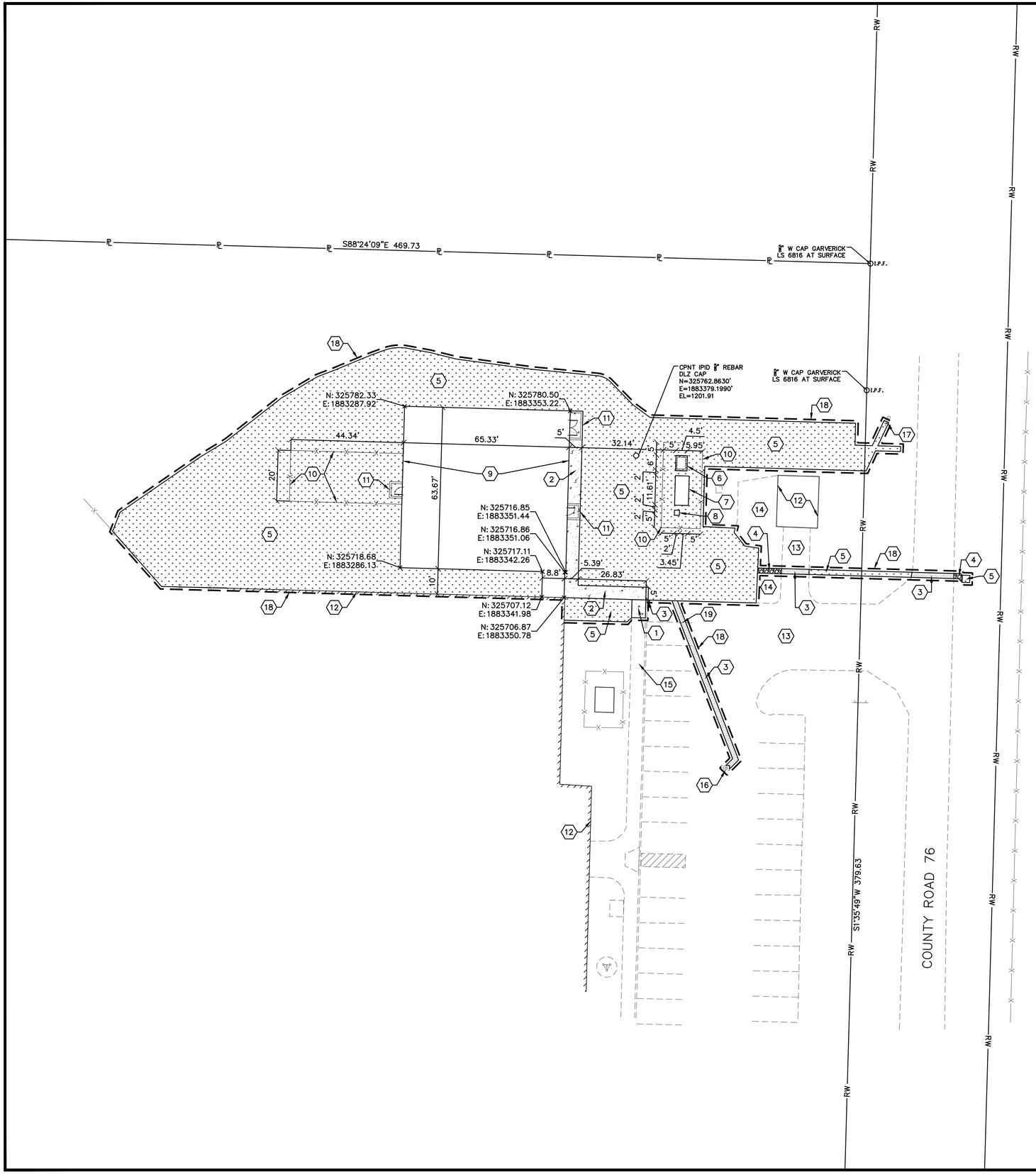
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

EXISTING CONDITIONS & SITE REMOVAL PLAN

PROJECT NUMBER 2421-4009-00

DRAWING NUMBER C1.1

CIVIL



KEYNOTES

1. PROPOSED INTEGRAL CURBED CONCRETE SIDEWALK TO MATCH EXISTING. SEE DETAIL ON SHEET C5.1.
2. PROPOSED CONCRETE SIDEWALK. SEE DETAIL ON SHEET C5.1.
3. PROPOSED ASPHALT PAVEMENT TO MATCH EXISTING. SEE DETAIL ON SHEET C5.1.
4. PROPOSED GRAVEL PAVEMENT TO MATCH EXISTING.
5. EXISTING LANDSCAPING TO BE REMOVED AND/OR REPLACED AS NECESSARY. SEED AND MULCH ALL DISTURBED AREAS AS NECESSARY PER ODOT ITEM 659, TYPE 1.
6. PROPOSED CONCRETE TRANSFORMER PAD PER ELECTRIC COMPANY SPECIFICATIONS.
7. PROPOSED GENERATOR. SEE ELECTRICAL PLANS.
8. PROPOSED AUTOMATIC TRANSFER SWITCH. SEE ELECTRICAL PLANS.
9. PROPOSED BUILDING ADDITION. SEE ARCHITECTURAL PLANS.
10. PROPOSED FENCE, SEE ARCHITECTURAL PLANS SHEET A11.1 FOR DETAILS.
11. PROPOSED FROST STOOP. SEE STRUCTURAL PLANS.
12. EXISTING BUILDING TO REMAIN.
13. EXISTING ASPHALT PAVEMENT TO REMAIN.
14. EXISTING GRAVEL PAVEMENT TO REMAIN.
15. EXISTING INTEGRAL CURBED CONCRETE SIDEWALK TO REMAIN.
16. EXISTING STORM STRUCTURE TO REMAIN.
17. EXISTING UTILITY POLE TO REMAIN.
18. LIMITS OF CONSTRUCTION/GRADING.

GENERAL NOTES

A. CONTRACTOR SHALL CLEAN AND SEAL EDGE OF EXISTING PAVEMENT PRIOR TO CONSTRUCTING PROPOSED PAVEMENT AS NECESSARY.
B. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION, AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION.
C. UTILITY LOCATIONS ARE APPROXIMATE, BASED ON LOCATION OF ABOVE GROUND APPURTENANCES, AND AS TAKEN FROM THE SURVEY. UNDERGROUND UTILITIES NOT SHOWN HEREIN MAY EXIST.
D. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
E. CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS NOT COVERED WITH BUILDINGS OR PAVEMENT PER ODOT ITEM 659, CLASS 1.

STAKING NOTES

A. DIMENSIONS SHOWN ARE TO EXTERIOR FACE OF BUILDING WALL, EDGE OF PAVEMENT, OR FACE OF CURB.
B. BUILDING AND PARKING SPACES ARE PARALLEL AND PERPENDICULAR TO THE FACE OF THE EXISTING BUILDING AS TAKEN FROM SURVEY.
C. ALL EXISTING CONDITIONS, TOPOGRAPHY, UTILITIES AND PROPERTY INFORMATION ARE TAKEN FROM A SURVEY OF LAND SITUATED IN THE CITY OF MOUNT GILEAD, COUNTY OF MORROW, STATE OF OHIO, BY SURVEYOR: DLZ OHIO, INC.
D. COORDINATES SHOWN ARE TO CORNER OF FOUNDATION WALL. BUILDING LAYOUT SHALL BE PROVIDED AS SHOWN ON ARCHITECTURAL PLANS.

LEGEND

- PROPOSED ASPHALT
- PROPOSED GRAVEL
- LANDSCAPE REPLACEMENT
- PROPOSED CONCRETE

N

0 10 20
FEET
1" = 20'

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DLZ Architecture, Inc.

STATE OF OHIO
KENNETH A WHITE II
E-62248
REGISTERED
PROFESSIONAL ENGINEER
09/25/2026

NO.	REVISION	DATE

DRAWN: AJH CHK'D: ESS
DESIGNED: AJH
APPRV'D: KAW
DATE: SEPTEMBER 25, 2026

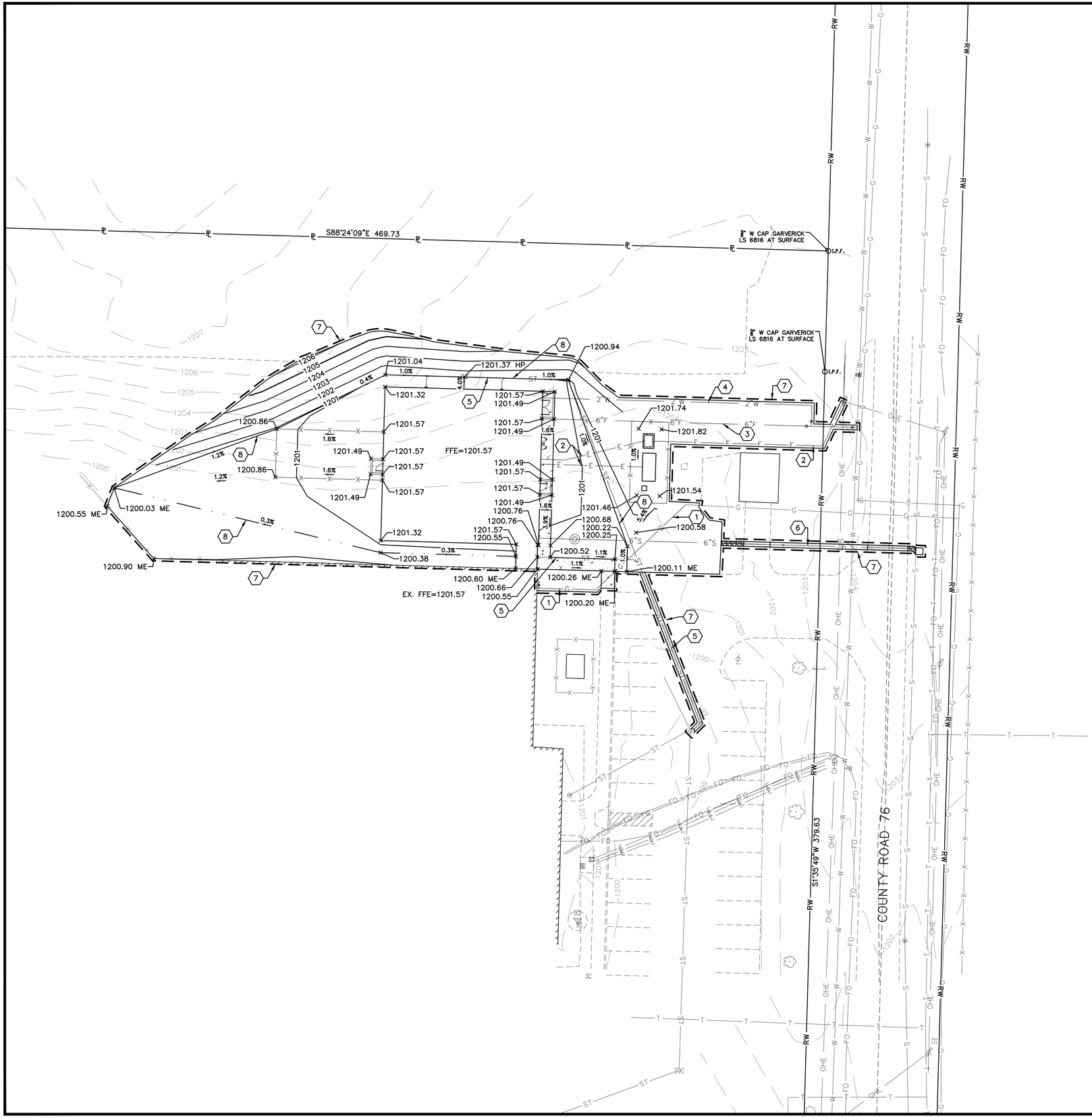
PROJECT NUMBER 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

SITE IMPROVEMENT PLAN

DRAWING NUMBER C2.1

CIVIL



KEYNOTES (X)

1. PROPOSED GAS SERVICE, SEE SITE UTILITIES PLAN.
2. PROPOSED ELECTRIC SERVICE, SEE SITE UTILITIES PLAN.
3. PROPOSED FIRE PROTECTION SERVICE, SEE SITE UTILITIES PLAN.
4. PROPOSED DOMESTIC WATER SERVICE, SEE SITE UTILITIES PLAN.
5. PROPOSED STORM DRAIN, SEE SITE UTILITIES PLAN.
6. PROPOSED SANITARY SERVICE, SEE SITE UTILITIES PLAN.
7. LIMITS OF CONSTRUCTION/GRADING.
8. PROPOSED DRAINAGE SWALE.

GENERAL NOTES

A. THE INFORMATION DEPICTED ON THESE CONSTRUCTION DOCUMENTS IS AS ACCURATE AS POSSIBLE WITH REGARD TO THE INFORMATION PROVIDED BY THE SURVEYOR. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING GRADES PRIOR TO CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE AND THE ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCY FOUND BETWEEN THE FIELD CONDITIONS AND THESE PLANS.

B. ALL PROPOSED SPOT ELEVATIONS AND CONTOURS SHOWN ON THE PLAN ARE PROPOSED FINISHED GRADES. THE GENERAL CONTRACTOR SHALL ADJUST SUBGRADE ELEVATIONS ACCORDINGLY TO ENSURE POSITIVE DRAINAGE AWAY FROM THE BUILDING. SEE THE BUILDING PLANS FOR FURTHER DETAILS. GENERAL CONTRACTOR SHALL ALSO ADJUST SUBGRADE ELEVATION IN ALL LANDSCAPED ISLANDS TO ACCOUNT FOR TOPSOIL AND MULCH. SEE LANDSCAPE PLANS FOR FURTHER DETAIL.

C. WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING ½".

D. NEW WALKING SURFACE CROSS SLOPES SHALL NOT EXCEED 2%.

E. WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATING WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN THE GRATINGS SHALL BE LIMITED TO ¼" IN THE DIRECTION OF TRAFFIC FLOW.

F. ON ACCESSIBLE ROUTES, WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OR ANY WALK EXCEEDS 1V:20H, IT SHALL COMPLY WITH THE PROVISIONS OF A PEDESTRIAN RAMP.

G. PER ADA STANDARDS FOR ACCESSIBLE DESIGN 303.3: ON ACCESSIBLE ROUTES, CHANGES IN ELEVATION UP TO ¼" ARE ALLOWED. CHANGES GREATER THAN ¼" MUST BE BEVELED NO GREATER THAN 1V:2H AND CHANGES GREATER THAN ½" SHALL COMPLY WITH REQUIREMENTS FOR CURB RAMPS.

H. ALL WALKS WITH CONTINUOUS SLOPE SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST EVERY 400 FEET.

I. ASPHALT ELEVATION ADJACENT TO CATCH BASINS TO BE ⅜" ABOVE RIM ELEVATION SHOWN FOR CATCH BASIN (TYPICAL).

J. INSTALL ALL NECESSARY EROSION CONTROL MEASURES PRIOR TO THE START OF ANY GRADING ACTIVITIES. REFER TO THE EROSION CONTROL PLAN FOR DETAILS AND PROCEDURES.

K. NO GRADING ACTIVITIES SHALL BE PERFORMED OFF-SITE WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ADJACENT PROPERTY OWNER AND/OR LOCAL JURISDICTION.

L. EXISTING GRADES SHALL BE MATCHED WITH THE LEGAL BOUNDARY UNLESS OTHER PROVISIONS HAVE BEEN MADE.

M. SOILS USED FOR STRUCTURAL FILL SHALL BE CLEAN AND FREE OF ORGANIC MATERIAL.

N. CONTRACTOR TO ADJUST AND/OR RECONSTRUCT TO GRADE ALL UTILITY STRUCTURES TO MEET PROPOSED GRADES.

O. SPOT ELEVATIONS SHOWN FOR CURB AND GUTTER ARE TOP OF CURB AND EDGE OF PAVEMENT. WHERE PROPOSED CURB MEETS EXISTING CURB CONTRACTOR SHALL MATCH EXISTING ELEVATIONS.

P. SPOT ELEVATIONS LABELED "ME" INDICATE MATCH EXISTING GRADE.

Q. PER ADA STANDARDS FOR ACCESSIBLE DESIGN 502.4: THE ENTIRE ADA PARKING STALL AND ADJACENT ACCESS AISLE SHALL HAVE A MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS.

R. PER ADA STANDARDS FOR ACCESSIBLE DESIGN 404.2.4.1: ACCESSIBLE ENTRANCE DOORS SHALL HAVE A DOOR MANEUVERING AREA WITH A MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS.

N

0 10 20
FEET
1" = 20'

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STATE OF OHIO
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09/25/2026

NO.	REVISION	DATE

DRAWN: AJH
DESIGNED: AJH
APPRVD: KAW
DATE: SEPTEMBER 25, 2026
CHK'D: ESS

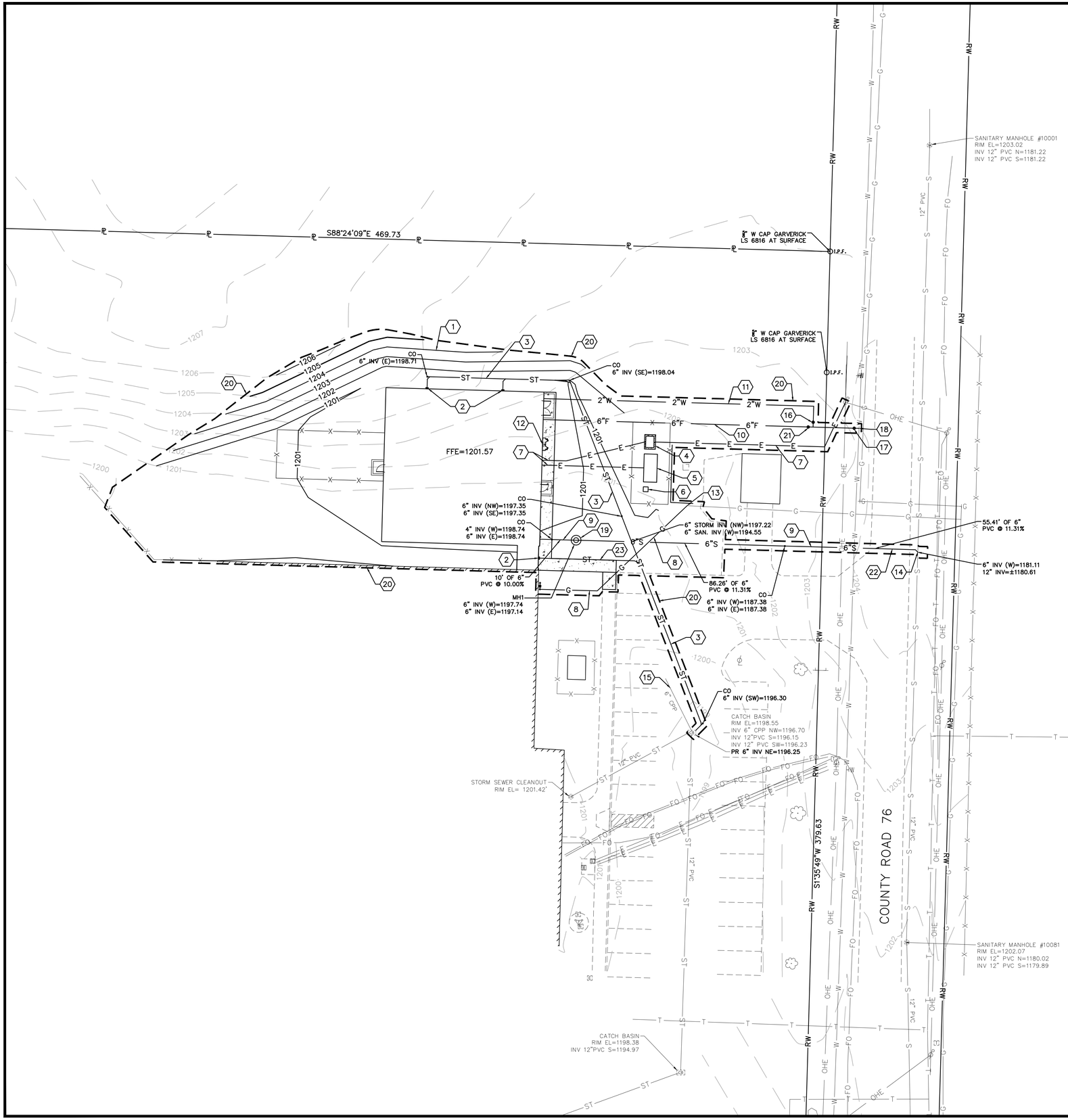
PROJECT NUMBER 2421-4009-00

MORROW COUNTY CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD MT GILEAD, OHIO 43338

SITE GRADING PLAN

DRAWING NUMBER C3.1

CIVIL



FLOW COMMINUTOR

THE FLOW COMMINUTOR SHALL BE MODEL 10002-0008-DI MUFFIN MONSTER™ GRINDER SUITABLE FOR UP TO 45 GPM IN 12.5"W X 24"D CHANNEL (OR APPROVED EQUAL). CONTRACTOR SHALL INSTALL MUFFIN MONSTER PER MANUFACTURER RECOMMENDATION.

WORK TO INCLUDE: GRINDER WITH 7" CUTTER STACK USING 7-TOOTH CAM CUTTERS IN 4130 ALLOY STEEL, CARTRIDGE-STYLE TUNGSTEN CARBIDE MECHANICAL SEALS WITH BUNA-N ELASTOMERS RATED FOR 90 PSI, GREEN EPOXY-COATED DUCTILE IRON END HOUSINGS AND HIGH-FLOW SIDERAILS, AND 3 HP XPNV, EXPLOSION PROOF, IMMERSIBLE 480V/3PH/60 HZ INPUT POWER, INCLUDES IEC STARTER WITH OVER-CURRENT PROTECTION, JAM-SENSING CURRENT TRANSFORMER AND MICRO-PLC (SEE ELECTRICAL PLANS FOR AVAILABLE POWER).

FOUR (4) OPERATION AND MAINTENANCE MANUALS SHALL BE INCLUDED.

THE CONTROLLER SHALL CONSIST OF:
LOAD SENSING CONTROL SYSTEM THAT AUTOMATICALLY REVERSES TO CLEAR JAMS.
NEMA 4X STAINLESS STEEL ENCLOSURE WITH 3-POSITION SWITCH AND STATUS INDICATORS
UL REGISTERED
A SINGLE MAIN DISCONNECT SWITCH, IN NEMA 4X STAINLESS STEEL ENCLOSURE, OF ADEQUATE SIZE TO PROVIDE POWER FOR THE GRINDER SHALL BE PROVIDED BY THE CONTRACTOR.

KEYNOTES (X)

1. PROPOSED GRADING. SEE SITE GRADING PLAN.
2. PROPOSED DOWNSPOUT. SEE ARCHITECTURAL PLANS AND DOWNSPOUT BOOT CONNECTION DETAIL ON SHEET C5.1.
3. 213.84 LINEAR FEET OF 6" PVC STORM PIPE AT 1% MINIMUM SLOPE. MAINTAIN A MINIMUM COVER OF 24" OVER PROPOSED STORM.
4. PROPOSED TRANSFORMER PAD PER ELECTRIC COMPANY SPECIFICATIONS.
5. PROPOSED GENERATOR. SEE ELECTRICAL PLANS.
6. PROPOSED AUTOMATIC TRANSFER SWITCH. SEE ELECTRICAL PLANS.
7. PROPOSED ELECTRIC SERVICE. CONTRACTOR TO INSTALL SERVICE PER ALL STATE AND LOCAL CODES, POWER COMPANY, N.F.P.A., AND N.E.C. STANDARDS AND COORDINATE WITH THE POWER COMPANY TO VERIFY THE TRANSFORMER LOCATION, SIZE, ORIGIN OF SERVICE, AND ALL STANDARDS FOR WORK. MINIMUM CONDUIT COVER SHALL BE 3 FT. SEE ARCHITECTURAL SHEETS FOR SECONDARY WIRING DESIGN. DIVISION OF WORK SHALL BE AS FOLLOWS: UTILITY COMPANY IS RESPONSIBLE FOR INSTALLING TRANSFORMER, FINAL CONNECTION, SOCKET AND METER. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING SECONDARY CONDUCTORS AND CONDUITS, CT CABINET, TRANSFORMER PAD AND TRENCHING AND BACKFILL.
8. PROPOSED NATURAL GAS SERVICE. ALL MATERIALS AND INSTALLATION ARE TO BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND N.F.P.A STANDARDS. DIVISION OF WORK SHALL BE AS FOLLOWS: UTILITY COMPANY IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE TAP AND METER. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE REGULATOR, PIPING, COPPER LOCATOR WIRE, DITCH TAPE, AND TRENCHING AND BACKFILL.
9. 6" SANITARY SEWER LATERAL. PIPE SHALL BE P.V.C ASTM D-3034 SDR 35. JOINTS SHALL CONFORM TO ASTM D-3212. PROVIDE CLEANOUTS AS INDICATED BY "CO" OR "DCO" PER DETAIL. COORDINATE LOCATION OF SANITARY SEWER LATERAL THROUGH FOUNDATION WITH STRUCTURAL DRAWINGS. MAINTAIN A MINIMUM OF 10' HORIZONTAL AND 18" VERTICAL SEPARATION FROM WATER.
10. 6" FIRE WATER SERVICE. THE WATER LINE AND FITTINGS SHALL BE INSTALLED PER THE VILLAGE OF MOUNT GILEAD WATER DEPARTMENT REQUIREMENTS. CONTRACTOR TO VERIFY REQUIREMENTS OF LOCAL CODES AND GOVERNING OFFICIALS. PIPING SHALL BE CLASS 52 DUCTILE IRON WITH MECHANICAL JOINTS. INCLUDE IN BASE BID ALL VALVES, PIPING STRUCTURES, ETC. THAT WILL BE REQUIRED. MINIMUM DEPTH OF WATER LINE SHALL BE 4'-6". ONLY THE USE OF BOLTS THAT ARE STAINLESS STEEL OR FLUOROPOLYMER-COATED CORROSION-RESISTANT/HIGH-STRENGTH LOW-ALLOY STEEL THAT CONFORMS TO ANSI/AWWA C111/A21.11 (BLUE BOLTS) IS PERMITTED WHEN INSTALLING FITTINGS, HYDRANTS, OR ANY FORM OF MECHANICAL JOINTS. SEE PLUMBING PLANS FOR BACKFLOW PREVENTER.
11. 2" DOMESTIC WATER SERVICE. THE WATER LINE, VALVES, AND FITTINGS SHALL BE INSTALLED PER THE VILLAGE OF MOUNT GILEAD WATER DEPARTMENT REQUIREMENTS UP TO AND INCLUDING THE WATER METER IN THE BUILDING. CONTRACTOR TO VERIFY REQUIREMENTS OF LOCAL CODES AND GOVERNING OFFICIALS. PIPING SHALL BE HDPE SDR9-CTS. 12-GAUGE COPPER TRACER WIRE AND MARKING TAPE SHALL BE INSTALLED ABOVE THE SERVICE LINE. INCLUDE IN BASE BID ALL VALVES, PIPING STRUCTURES, ETC. THAT WILL BE REQUIRED. MINIMUM DEPTH OF WATER LINE SHALL BE 4'-6". SEE PLUMBING PLAN FOR METER AND BACKFLOW PREVENTION DETAIL.
12. PROPOSED FIRE DEPARTMENT CONNECTION. SEE PLUMBING PLANS.
13. NATURAL GAS SERVICE MUST REMAIN ACTIVE AND OPERATIONAL AT THE EXISTING BUILDING AT ALL TIMES DURING THE COURSE OF CONSTRUCTION OPERATIONS. CONTRACTOR SHALL COORDINATE TEMPORARY SERVICE TO THE EXISTING BUILDING DURING CONSTRUCTION AND THE CONNECTION OF THE PROPOSED GAS LINE TO THE EXISTING WITH THE GAS COMPANY FOR PERMANENT SERVICE TO THE EXPANSION AND EXISTING BUILDING. CONTRACTOR SHALL COORDINATE ALL REQUIRED REMOVALS, RELOCATIONS, CONNECTIONS, DISCONNECTIONS, AND TEMPORARY SERVICE WITH THE UTILITY COMPANY DURING THE COURSE OF CONSTRUCTION.
14. CONNECT PROPOSED SANITARY LATERAL TO EXISTING 12" SANITARY SEWER. CONTRACTOR SHALL VERIFY EXACT SIZE, LOCATION, AND INVERT OF EXISTING SANITARY SEWER PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
15. CONTRACTOR SHALL VERIFY CONNECTION POINT OF EXISTING 6" STORM SEWER PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF ANY CONFLICTS EXIST WITH PROPOSED WORK.
16. PROPOSED 2" VALVE PER MT. GILEAD VILLAGE PUBLIC WATER SYSTEM REQUIREMENTS.
17. PROPOSED 6" MUELLER A-2362 RESILIENT WEDGE VALVE PER MT. GILEAD VILLAGE PUBLIC WATER SYSTEM REQUIREMENTS.
18. 8"x6" SMITH BLAIR 665 MECHANICAL JOINT OUTLET TAPPING SLEEVE PER MT. GILEAD VILLAGE PUBLIC WATER SYSTEM REQUIREMENTS.
19. 4-FT SANITARY MANHOLE WITH FLOW COMMINUTOR WITH 36-INCH CASTING. SEE SPECIFICATIONS ON THIS SHEET.
20. LIMITS OF CONSTRUCTION/GRADING.
21. PROPOSED 6" VALVE PER MT. GILEAD VILLAGE PUBLIC WATER SYSTEM REQUIREMENTS.
22. CONTRACTOR SHALL COORDINATE THE CROSSING OF HOME ROAD FOR THE PROPOSED SANITARY SERVICE WITH MORROW COUNTY. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS REQUIRED FOR CONSTRUCTION WITHIN THE RIGHT OF WAY, CONNECTION TO THE EXISTING SANITARY SEWER, AND MEANS AND METHODS FOR CROSSING HOME ROAD.
23. 41.61 LINEAR FEET OF 6" PVC STORM PIPE AT 1% MINIMUM SLOPE. MAINTAIN A MINIMUM COVER OF 24" OVER PROPOSED STORM.

GENERAL NOTES

A. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL ITEMS AND PERFORM ALL WORK NOT COVERED BY UTILITY COMPANIES. CONTRACTOR SHALL VERIFY ORIGIN OF SERVICE, INSTALLATION PROCEDURES, AND ALL STANDARDS FOR WORK WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION. ON SITE TRENCHING SHALL BE MINIMIZED WHEN POSSIBLE. UTILITIES, CONDUITS, AND IRRIGATION SHALL MAKE USE OF SHARED TRENCHING WHEN PERMITTED. FOR TRENCHING INFORMATION, SEE DETAIL.

B. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY SIZES, TYPES, AND LOCATIONS SHOWN ON PLANS. ALL UTILITY WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCY FOUND BETWEEN THE FIELD CONDITIONS, THESE PLANS, AND/OR GOVERNING REGULATIONS.

C. ALL PIPE LENGTHS ARE APPROXIMATE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

D. PROVIDE CLEANOUTS, AS INDICATED BY "CO" PER DETAIL ON SHEET C5.1

E. ALL STORM SEWER PIPES 8" AND SMALLER SHALL BE PVC PER ODOT ITEM 707.45.

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NO.	REVISION	DATE

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DESIGNED: AJH
APPRVD: KAW
DATE: SEPTEMBER 25, 2026
CHK'D: ESS

PROJECT NUMBER 2421-4009-00

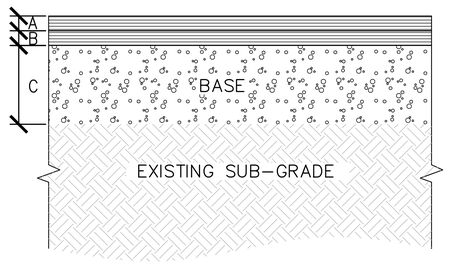
101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

SITE UTILITIES PLAN

DRAWING NUMBER C4.1

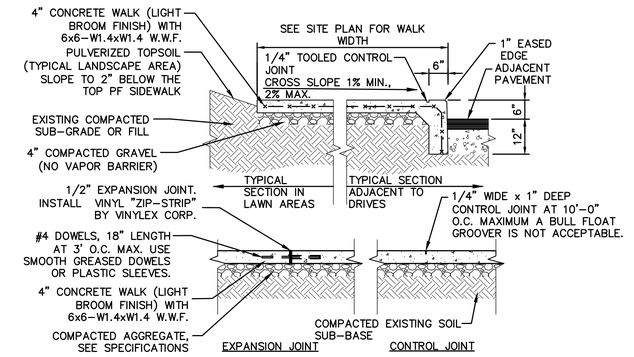
CIVIL

STANDARD-DUTY PAVEMENT SECTION
A = 1½" – ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1
B = 1½" – ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE,TYPE 2
C = 8" – ITEM 304 AGGREGATE BASE



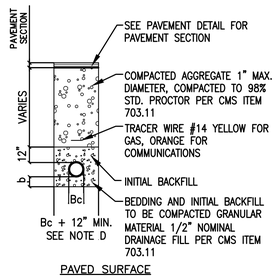
NOTES:
A. BASE COURSE TO BE COMPACTED TO 100% OF THE MODIFIED PROCTOR (ASTM D-1557) MAXIMUM DRY DENSITY
B. ALL SUBGRADE AND PAVEMENT OPERATIONS AND MATERIALS SHALL MEET THE MINIMUM REQUIREMENTS OF ODOT'S CURRENT CONSTRUCTION AND MATERIAL SPECIFICATIONS.

ASPHALT PAVEMENT SECTION
NOT TO SCALE

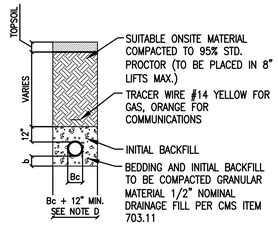


CONCRETE SIDEWALK NOTES
A. LOCATE CONTROL JOINTS AS SHOWN ON PLAN OR 10' O.C. MAXIMUM. VERIFY WITH SITE REPRESENTATIVE.
B. EXPANSION JOINTS SHALL HAVE ½" PREFORMED EXPANSION JOINT LOCATED AT: CONCRETE WALKS AGAINST THE BUILDING, CONCRETE ENTRY STOOP AND CONCRETE WALK, THE CONCRETE PARKING PAD AND THE CURB (BOTH PROPOSED AND EXISTING CURBS), AT BOLLARDS AND SIGN POSTS WITHIN CONCRETE. JOINTS SHALL BE FLUSH WITH THE SURFACE.
C. CONCRETE PADS OVER 4" THICK REQUIRE CONTROL JOINTS TO BE 12' O.C. MAXIMUM.

CONCRETE WALK
NOT TO SCALE



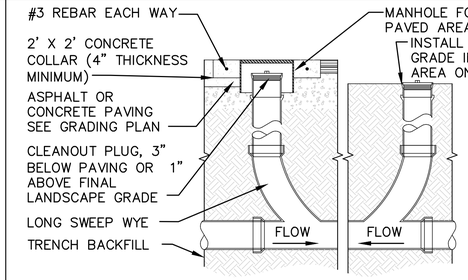
PAVED SURFACE
NOT TO SCALE



UNPAVED AREA (SEE NOTE C)
NOT TO SCALE

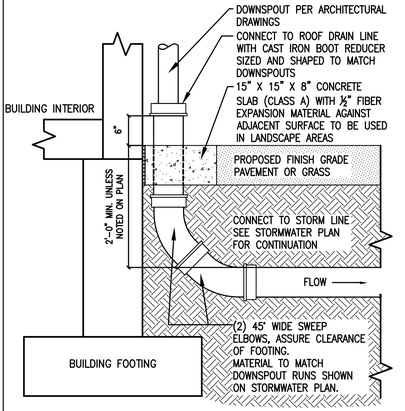
NOTES:
A. BEDDING THICKNESS UNDER PIPE BARREL b, SHALL BE 1/8 OF Bc; 6" MIN. Bc IS OUTSIDE DIAMETER OF PIPE AT BELL.
B. THE HAUNCH AREA OF THE PIPE MUST BE FULLY SUPPORTED; THEREFORE THE BEDDING MATERIAL SHALL BE HAND PLACED AND COMPACTED UNDER THE PIPE HAUNCH.
C. IF UNPAVED AREA IS WITHIN 10' OF PAVEMENT OR STRUCTURE THEN FOLLOW TRENCH GUIDELINES FOR PAVED AREA.
D. PIPE DIAMETER OF 4" OR SMALLER SHALL HAVE A MAXIMUM TRENCH WIDTH OF 12".
E. BEDDING AND INITIAL BACKFILL SHALL BE SAND FOR ALL UTILITY CONDUIT CARRYING ELECTRIC, GAS, AND TELEPHONE.

TRENCH/BACKFILL INSTALLATION
NOT TO SCALE



NOTES:
A. CLEANOUT LOCATIONS INDICATED ON GRADING AND UTILITY PLANS AS "CO" FOR SINGLE CLEANOUT AND "DCO" FOR DOUBLE CLEAN OUT.
B. PROVIDE CLEANOUTS AS SPECIFIED:
1. PROVIDE PVC CLEANOUT WITH THREADED PLUG IN LANDSCAPED AREAS.
2. USE EJIW1578 FRAME AND COVER FOR CLEANOUTS IN TRAFFIC AREAS

CLEANOUT
NOT TO SCALE



DOWNSPOUT BOOT CONNECTION
NOT TO SCALE

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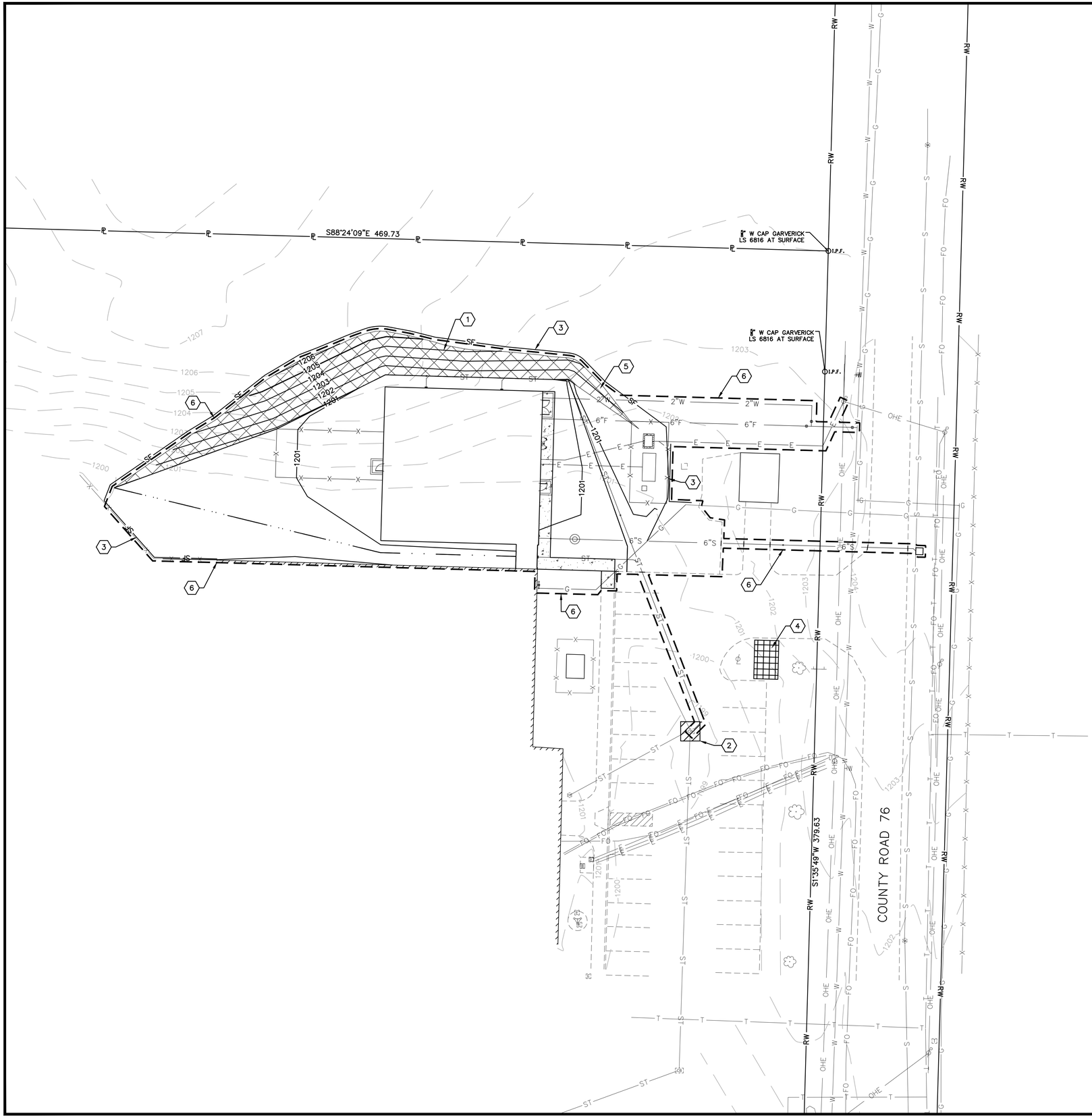
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD

SITE DETAILS

DRAWING NUMBER: C5.1
CIVIL



KEYNOTES (X)

1. PROPOSED GRADING. SEE GRADING PLAN.
2. INLET PROTECTION. SEE DETAIL ON EROSION CONTROL DETAIL SHEET.
3. FILTER SOCK. SEE DETAIL ON EROSION CONTROL DETAIL SHEET.
4. CONCRETE WASHOUT AREA. SEE DETAIL ON EROSION CONTROL DETAIL SHEET.
5. EROSION CONTROL MAT. MATTING SHALL BE USED ON ALL DISTURBED AREAS WITH A SLOPE OF 3:1 OR GREATER AND PLACED WITHIN 24 HOURS OF THE FINISH OF GRADING OPERATIONS. SEE DETAIL ON EROSION CONTROL DETAILS SHEET.
6. LIMITS OF CONSTRUCTION/GRADING.

LEGEND

- EROSION CONTROL MATTING
- INLET PROTECTION
- CONCRETE WASHOUT

N

0 10 20
FEET
1" = 20'

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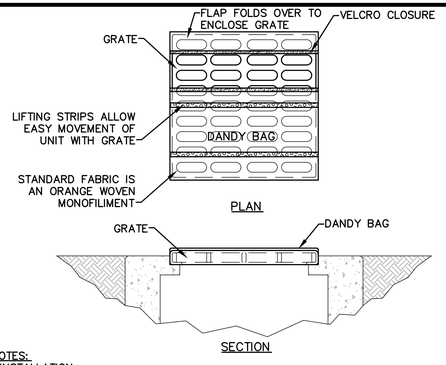
MT GILEAD, OHIO 43338

MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

EROSION CONTROL PLAN

DRAWING NUMBER
C6.1

CIVIL



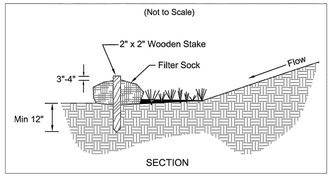
NOTES:
1.INSTALLATION:
- A. PLACE THE EMPTY DANDY BAG OVER THE GRATE AS THE GRATE STANDS ON END.
- B. FOR OIL AND SEDIMENT MODEL; TO INSTALL OR REPLACE ABSORBENT, PLACE ABSORBENT PILLOW IN POUCH, ON THE BOTTOM (BELOW-GRADE SIDE) OF THE UNIT.
- C. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE.
- D. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET BEING CAREFUL NOT TO DAMAGE THE DANDY BAG UNIT.

2. MAINTENANCE:
- A. THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH RAIN EVENT OR AS DIRECTED BY ENGINEER/INSPECTOR. DISPOSE OF UNIT NO LONGER IN USE AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY. FOR OIL AND SEDIMENT MODEL; REMOVE AND REPLACE ABSORBENT WHEN NEAR SATURATION.

INLET PROTECTION – DANDY BAG
NOT TO SCALE

Specifications
for
Filter Sock

(Not to Scale)



SECTION

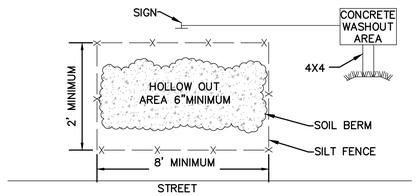
1. Materials – Compost used for filter socks shall be weed, pathogen and insect free and free of any refuse, contaminants or other materials toxic to plant growth. They shall be derived from a well-decomposed source of organic matter and consist of a particles ranging from 3/8" to 2".
2. Filter Socks shall be 3 or 5 mil continuous, tubular, HDPE 3/8" knitted mesh netting material, filled with compost passing the above specifications for compost products.

INSTALLATION:

3. Filter socks will be placed on a level line across slopes, generally parallel to the base of the slope or other affected area. On slopes approaching 2:1, additional socks shall be provided at the top and as needed mid-slope.
4. Filter socks intended to be left as a permanent filter or part of the natural landscape, shall be seeded at the time of installation for establishment of permanent vegetation.
5. Filter Socks are not to be used in concentrated flow situations or in runoff channels.

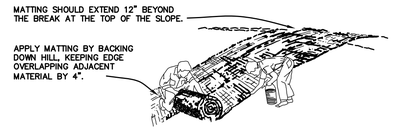
MAINTENANCE:

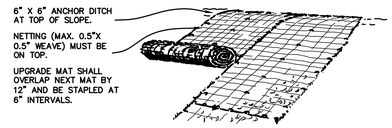
6. Routinely inspect filter socks after each significant rain, maintaining filter socks in a functional condition at all times.
7. Remove sediments collected at the base of the filter socks when they reach 1/3 of the exposed height of the practice.
8. Where the filter sock deteriorates or fails, it will be repaired or replaced with a more effective alternative.
9. Removal – Filter socks will be dispersed on site when no longer required in such as way as to facilitate and not obstruct seedings.



NOTES:
1. CONCRETE TRUCKS SHALL WASH TRUCKS AT DESIGNATED AREA.
2. THE CONTRACTOR SHALL INSPECT TO ENSURE WASH WATER DOES NOT OVERFLOW THE PIT.
3. ACCUMULATED CONCRETE SHALL BE APPROPRIATELY REMOVED FROM THE SITE.
4. UPON TERMINATION OF WASHOUT AREA, THE CONTRACTOR SHALL REMOVE AND RESTORE THE AREA PER THE GRADING PLAN ELEVATIONS AND STABILIZE.
5. THE WASHOUT AREA SHALL BE LINED WITH AN HDPE LINER.

CONCRETE WASHOUT AREA
NOT TO SCALE





NOTES

A. PRIOR TO MAT INSTALLATION, PREPARE SOIL AREAS THAT HAVE BEEN DISTURBED BY FINE GRADING AND RAKING. SEED AND FERTILIZE AREAS WITH A RECLAIM SHORT GRASS SEED MIXTURE BLEND (40% LITTLE BLUESTEM, 30% ABT HARD FESCUE, 15% ABT BLUE GRAMA, 15% SIDE OATS GRAMA) PROVIDED BY LOCAL SUPPLIER. SEED AT RATE OF 4 LBS. PER 1,000 SQ. FT. STARTER FERTILIZER (20-22-14) AT 1 LBS. PER 1000 SQ. FT.

B. MATTING SHALL BE MADE OF UNIFORMLY DISTRIBUTED STRAW AND A LIGHTWEIGHT PHOTO DEGRADABLE POLYPROPYLENE NET COVER SECURELY STITCHED TOGETHER OF HAVING AN APPROXIMATE 0.5 X 0.5 MESH SIZE. THE STRAW SHALL BE UNIFORMLY DISTRIBUTED AND 100% AGRICULTURAL. THE MATTING SHALL BE SEWN TOGETHER WITH DEGRADABLE THREAD.

C. BEGIN INSTALLATION BY DIGGING A 6" X 6" ANCHOR DITCH AT TOP OF SLOPE. PLACE 12" OF BLANKET OVER THE UPSLOPE PORTION OF THE TRENCH. SECURE THE MATTING AT THE BOTTOM OF THE ANCHOR DITCH WITH STAPLES PLACED 12" APART. BACKFILLED AND COMPACT TRENCH. APPLY SEED AND FOLD REMAINING 12" OVER SOIL, SECURE WITH A ROW OF STAPLES 12" APART ACROSS THE WIDTH OF THE MAT.

D. ROLL MATTING VERTICALLY DOWN THE SLOPE. SECURE WITH STAPLES MINIMUM 3' APART. PARALLEL BLANKETS MUST BE OVERLAPPED BY A MINIMUM OF 4" AND SECURED WITH A ROW OF STAPLES 3' APART. THE END OF THE MATTING MUST BE SECURED IN A 6" X 6" TRENCH WITH A ROW OF STAPLES PLACED AT 12" INTERVALS.

E. MATTING SHALL BE SPREAD EVENLY AND SMOOTHLY WITH CARE THAT MATERIAL IS NOT STRETCHED OR DRAWN TAUT DURING STAPLING.

EROSION CONTROL MAT
SCALE: NTS

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DLZ Architecture, Inc.

STATE OF OHIO
KENNETH A WHITE II
E-82248
REGISTERED
PROFESSIONAL ENGINEER
09/25/2026

NO.	REVISION	DATE

DRAWN: AJH | CHK'D: ESS
DESIGNED: AJH
APPR'VD: KAW
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD

EROSION CONTROL NOTES AND DETAILS

DRAWING NUMBER C6.2

CIVIL

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

(A)	EXISTING TO BE ABANDONED
(D)	EXISTING TO BE DEMOLISHED
(E)	EXISTING TO REMAIN
(F)	FUTURE
(R)	EXISTING TO BE RELOCATED
A	AMPERE
AC	ALTERNATING CURRENT OR AIR CONDITIONER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
ANNC	ANNUNCIATOR
AWG	AMERICAN WIRE GAUGE
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
DC	DIRECT CURRENT
DP	DISTRIBUTION PANELBOARD
DTT	DOUBLE TWIN TUBE
EB	ELECTRONIC BALLAST
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METAL TUBING
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FLA	FULL LOAD AMPS
G	GROUND
GC	GENERAL TRADES CONTRACTOR
GF	GROUND FAULT CIRCUIT INTERRUPTER
GEN	GENERATOR
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPC	HIGH PRESSURE CONTACT SWITCH
HZ	HERTZ
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INCD	INCANDESCENT
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING OR LIGHT
LRA	LOCKED ROTOR AMPS
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSB	MAIN SWITCHBOARD
MH	METAL HALIDE
MTS	MANUAL TRANSFER SWITCH
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NF	NON-FUSED
OCC	OCCUPANCY
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSH BUTTON
PVC	POLYVINYL CHLORIDE (PLASTIC PIPE)
PWR	POWER
RECPT	RECEPTACLE
STP	SHIELDED, TWISTED PAIR
TC	TIME CLOCK
TRT	TRIPLE TUBE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UTP	UNSHIELDED, TWISTED PAIR
VG	VANDAL GUARD
V	VOLT
W	WATT
WAP	WIRELESS ACCESS POINT
WH	WATTHOUR
WP	WEATHERPROOF, NEMA 3R UNO
XFMR	TRANSFORMER
Z	IMPEDANCE
ø	PHASE

LIGHTING SYMBOLS

NOTE: NOT ALL SYMBOLS MAY BE USED.

	GENERAL PURPOSE LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	GENERAL PURPOSE LUMINAIRE ON EMERGENCY POWER: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	GENERAL PURPOSE LUMINAIRE ON EMERGENCY INVERTER BATTERY BACKUP POWER: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	ROUND LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL WASHER: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL MOUNTED LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL MOUNTED DECORATIVE LUMINAIRE: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	WALL MOUNTED FLOOD LIGHT: REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION
	EXIT SIGN
	CEILING MOUNTED ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROWS
	EMERGENCY DUAL FACE ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROWS
$X	SWITCH: X=BLANK-SINGLE POLE 20A, TOGGLE; X=3-THREE WAY; X=4-FOUR WAY; X=P-PILOT LIGHT; X=K-KEY; X=MS-MOMENTARY
OS X	WALL MOUNTED OCCUPANCY SENSOR: X=BLANK-DUAL TECHNOLOGY; X=IR-PASSIVE INFRARED; X=US-ULTRASONIC
OS X	CEILING MOUNTED OCCUPANCY SENSOR: X=BLANK-DUAL TECHNOLOGY; X=IR-PASSIVE INFRARED; X=US-ULTRASONIC, X=C-PROTECTIVE CAGE
D	DIMMER
LV	LOW VOLTAGE SWITCH
DS	DAYLIGHT SENSOR REFER TO SPECIFICATIONS
J	JUNCTION BOX
	LIGHTING CONTROL PANEL
DS	CEILING MOUNTED DAYLIGHT SENSOR

POWER SYMBOLS

NOTE: NOT ALL SYMBOLS MAY BE USED.

X Y Z	20A DUPLEX RECEPTACLE WITH COVER PLATE: X=TYPE, Y"=NON-STANDARD MOUNTING HEIGHT Z=SPECIAL DESIGNATION, (18" AFF TYPICAL)
O	20A DUPLEX RECEPTACLE WITH COVER PLATE - CONTROLLED BY OCCUPANCY SENSOR (REFER TO DETAIL FOR MORE INFORMATION)
U	20A DUPLEX RECEPTACLE WITH TWO USB PORTS
CR	20A DUPLEX RECEPTACLE CORD REEL WITH 45' OF CORD. PROVIDE (2) #8 & (1) #10 GND IN 1" CONDUIT.
TV	20A DUPLEX RECEPTACLE FOR WALL MOUNTED TELEVISION. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. REFER TO DETAILS FOR MOUNTING HEIGHT
UPS	20A DUPLEX RECEPTACLE POWERED THROUGH LOCAL UPS PANEL. PROVIDE ORANGE DEVICE COLOR
TV SE	20A DOUBLE DUPLEX RECEPTACLE WITH SINGLE COVER PLATE MOUNTED IN TV SECURITY ENCLOSURE. REFER TO DETAIL ON SHEET T-508.
X Y Z	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT WITH COVER PLATE: X=TYPE, Y"=NON-STANDARD MTG HEIGHT, Z=SPECIAL DESIGNATION, (18" AFF TYPICAL)
F,C	FLOOR OR CEILING MOUNTED DUPLEX RECEPTACLE: F=FLOOR, C=CEILING
FB	RECESSED FLUSH MOUNTED FLOOR BOX. REFER TO FLOOR PLAN AND/OR SPECIFICATIONS FOR CONFIGURATION
	DUPLEX RECEPTACLE: ABOVE COUNTER (48" AFF TYPICAL)
	DOUBLE-DUPLEX RECEPTACLE WITH SINGLE COVER PLATE
O	DOUBLE-DUPLEX RECEPTACLE WITH SINGLE COVER PLATE - CONTROLLED BY OCCUPANCY SENSOR (REFER TO DETAIL FOR MORE INFORMATION)
	SIMPLEX RECEPTACLE WITH COVER PLATE
WP GF	WEATHER RESISTANT DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTING WITH IN-USE COVER
	WALL MOUNTED SPECIAL RECEPTACLE: REFER TO PLANS FOR ADDITIONAL INFORMATION
F,C	FLOOR OR CEILING MOUNTED SPECIAL RECEPTACLE: F=FLOOR, C=CEILING REFER TO PLANS FOR ADDITIONAL INFORMATION
	SURFACE MOUNTED RACEWAY
X Y Z	STANDARD DISCONNECT SWITCH: X=DISCONNECT SIZE, Y=NUMBER OF POLES
X Y Z	STANDARD FUSED DISCONNECT SWITCH: X=DISCONNECT SIZE, Y=FUSE SIZE, Z=NUMBER OF POLES
X Y Z	MOTOR STARTER: X=STARTER SIZE, Y=NUMBER OF POLES
X Y Z	COMBINATION MOTOR STARTER/DISCONNECT SWITCH: X=STARTER SIZE, Y=FUSE SIZE, Z=NUMBER OF POLES
M	MOTOR (BY OTHERS): PROVIDE POWER AS INDICATED
M	UTILITY METER
$	FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER
J	JUNCTION BOX
	TRANSFORMER
CP	CONTROL PANEL
SPD	SURGE PROTECTIVE DEVICE
	PANELBOARD
ATS	AUTOMATIC TRANSFER SWITCH
VFD	VARIABLE FREQUENCY DRIVE (BY DIVISION 23)
	CORD REEL
	GROUND ROD
PT X	POKE THROUGH SERVICE FITTING: X=TYPE

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DLZ Architecture, Inc.

AEC
Advanced Engineering Consultants

STATE OF OHIO
09/25/2026
PHILLIP L. RESSLER
E-76926
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: PLR
DESIGNED: PLR
APPRVD: JMJ
DATE: SEPTEMBER 25, 2026
CHK'D: JMJ
PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

GENERAL INFORMATION

DRAWING NUMBER E0.0

ELECTRICAL

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NOTE: NOT ALL SYMBOLS MAY BE USED.

TELECOMM SYMBOLS	TELECOMM REQUIREMENTS	PATHWAY REQUIREMENTS
▽X WORKSTATION OUTLET MOUNTED AT 18"AFF UNO.	PROVIDE THREE CAT6 CABLES, TERMINATED ON CAT6 JACKS ON BOTH ENDS. SINGLE GANG, FOUR PORT FACEPLATE. TERMINATE TO D1 PATCH PANELS IN TR. X = NUMBER OF CABLES AND JACKS IF OTHER THAN 3.	FOUR INCH SQUARE, 2.125" DEEP BOX WITH A SINGLE GANG PLASTER RING OR SINGLE GANG 3.5" DEEP MASONRY BOX AND 3/4" CONDUIT INSTALLED TO CABLE TRAY
▽VV X VIDEO VISITATION SYSTEM OUTLET MOUNTED AT VV = 42" AFF, UNLESS NOTED OTHERWISE VV3, VV4 = 16" MINIMUM, MUST BE ACCESSIBLE BEHIND ACCESS PLATE. COORDINATE WITH ARCHITECTURAL DETAILS.	PROVIDE ONE CAT6 CABLE, TERMINATED ON CAT6 JACKS ON BOTH ENDS. SINGLE GANG, FOUR PORT FACEPLATE. TERMINATE TO VV PATCH PANEL IN TR. X = NUMBER OF CABLES AND JACKS IF OTHER THAN 1.	FOUR INCH SQUARE, 2.125" DEEP BOX WITH A SINGLE GANG PLASTER RING OR SINGLE GANG 3.5" DEEP MASONRY BOX AND 3/4" CONDUIT INSTALLED TO CABLE TRAY
▽IP INMATE PHONE OUTLET MOUNTED AT 48"AFF UNO. ▽WP WALL PHONE OUTLET MOUNTED AT 48"AFF UNO.	PROVIDE ONE CAT6 CABLE, TERMINATED ON CAT6 JACKS ON BOTH ENDS. STAINLESS STEEL, SINGLE GANG, SINGLE PORT FACEPLATE WITH WALL TELEPHONE MOUNTING STUDS. TERMINATE TO IP PATCH PANEL FOR IP OR TO D1 PATCH PANEL IN TR FOR WP.	FOUR INCH SQUARE, 2.125" DEEP BOX WITH A SINGLE GANG PLASTER RING OR SINGLE GANG 3.5" DEEP MASONRY BOX AND 1/2" CONDUIT INSTALLED TO CABLE TRAY
▽IV X INMATE VENDING SYSTEM OUTLET MOUNTED AT 48"AFF UNO.	PROVIDE ONE CAT6 CABLE, TERMINATED ON CAT6 JACKS ON BOTH ENDS. SINGLE GANG, FOUR PORT FACEPLATE. X = NUMBER OF CABLES AND JACKS IF OTHER THAN 1. TERMINATE TO IE PATCH PANEL IN TR.	FOUR INCH SQUARE, 2.125" DEEP BOX WITH A SINGLE GANG PLASTER RING OR SINGLE GANG 3.5" DEEP MASONRY BOX AND 3/4" CONDUIT INSTALLED TO CABLE TRAY
WIRELESS ACCESS POINT, CEILING MOUNTED UNO.	PROVIDE TWO CAT6 CABLES, TERMINATED ON CAT6 JACKS ON BOTH ENDS. SINGLE GANG, TWO PORT FACEPLATE. TERMINATE TO W1 PATCH PANEL IN TR. PROVIDE CONDUIT AND PATCH CABLES TO FINAL WAP LOCATION.	FOUR INCH SQUARE, 2.125" DEEP BOX WITH A SINGLE GANG PLASTER RING OR SINGLE GANG 3.5" DEEP MASONRY BOX AND 3/4" CONDUIT INSTALLED TO CABLE TRAY
▽TV XX YY ZZZ ZZ TELEVISION OUTLET INSTALLED BEHIND TELEVISION. ALSO INCLUDES COMMERCIAL GRADE 1080P HD OR 4K UHD LED FLAT SCREEN TV WITH TUNER, HEAVY DUTY TILT MOUNT (UNLESS OTHER THAN TILT MOUNT IS SHOWN ON SYMBOL), CABLING AND AUDIO FM TRANSMITTER. MOUNTING LOCATION PER ARCH PLANS.	XX- DENOTES DIAGONAL TV SIZE IN INCHES. YY=DENOTES MOUNTING HEIGHT TO CENTER LINE OF TV IN FEET ABOVE FINISHED FLOOR. ZZZ = BLANK = HEAVY DUTY FLAT SCREEN TILT MOUNT. ZZZ= ART = ARTICULATING MOUNT. ZZZ = PCM = MOUNT WITH PC MOUNT BEHIND TV. ZZZ= SE = CEILING MOUNTED SECURITY ENCLOSURE. ZZZ=VTC = VIDEO TELECONFERENCING. ZZ = 4K = PROVIDE 4K UHD RESOLUTION. ZZ = BLANK = 1080P HD RESOLUTION. ONE RJ6 COAX WITH F CONNECTOR TERMINATIONS BOTH ENDS. PROVIDE ONE CAT6 CABLE, (TWO FOR VTC LOCATIONS) TERMINATED ON CAT6 JACKS ON BOTH ENDS. FACEPLATE IS SINGLE GANG MULTI- PORT WITH SINGLE CAT6 8P8C AND F CONNECTOR. TERMINATE CAT 6 ON T1 PATCH PANEL AND RJ6 ON WALL MOUNT TAP-OFF IN TR.	FOUR INCH SQUARE, 2.125" DEEP BOX WITH A SINGLE GANG PLASTER RING OR SINGLE GANG 3.5" DEEP MASONRY BOX AND 3/4" CONDUIT INSTALLED TO CABLE TRAY
▽AVW TELEVISION INPUT EXTENSION AND DATA OUTLET ASSEMBLY. INCLUDES WALL INPUT BOX, L OUTLET AND DATA OUTLET. (EXTENDS CABLING FROM AN OUTLET BELOW THE TV TO AN L TYPE OUTLET BEHIND THE TV TO ACCESS TV INPUTS. ALSO PROVIDES DATA CONNECTION BELOW TV). REFER TO DETAIL 12 ON T-501.	PROVIDE ONE CAT6 CABLE, TERMINATED ON CAT6 JACKS ON BOTH ENDS. SINGLE GANG DATA FACEPLATE. TERMINATE TO D1 PATCH PANEL IN TR. PROVIDE HIGH SPEED HDMI CABLES AND SHIELDED STEREO AV CABLE IN CONDUIT BETWEEN WALL INPUT BOX AND L TYPE OUTLET BEHIND TV. PROVIDE PATCH CABLES FROM JACKS BEHIND TV TO TV INPUTS.	DATA OUTLET - FOUR INCH SQUARE, 2.125" DEEP BOX WITH A SINGLE GANG PLASTER RING OR SINGLE GANG 3.5" DEEP MASONRY BOX AT 18"AFF AND 1/2" CONDUIT INSTALLED TO CABLE TRAY. INPUT EXTENSION - FOUR INCH SQUARE, 2.125" DEEP BOXES WITH SINGLE GANG PLASTER RINGS OR SINGLE GANG 3.5" DEEP MASONRY BOX. LOWER INPUT BOX AT 18"AFF ADJACENT DATA BOX AND UPPER L BOX BEHIND TV. CONNECT UPPER AND LOWER BOXES WITH 1" CONDUIT.
SURFACE MOUNTED RACEWAY		
CABLE TRAY		
FIRE RATED CABLE SEAL - THRU WALL ASSEMBLY		
FIRE RATED CABLE SEAL - THRU FLOOR SLAB ASSEMBLY		
EQUIPMENT RACK		
TELEPHONE TERMINAL BOARD/PLYWOOD BACKBOARD: REFER TO PLANS FOR ACTUAL LENGTHS		
FB X FLOOR BOX DATA OUTLET. REFER TO SHEET T-505 FOR CONFIGURATION.	FOR DATA PROVIDE THREE CAT6 CABLES, UNLESS NOTED OTHERWISE, TERMINATED ON CAT6 JACKS ON BOTH ENDS. SINGLE GANG, THREE PORT FACEPLATE. TERMINATE TO D1 PATCH PANELS IN TR.	
(J) PROJ CEILING MOUNTED PROJECTOR. REFER TO DIAGRAM ON SHEET T-505. INCLUDES 4K, 16:9, 3500 ANSI LUMEN MIN. PROJECTOR, MOUNT AND CONNECTIVITY.	PROVIDE TWO SHIELDED CAT 6A POE CABLES AND CAT 6A JACKS BETWEEN PROJECTOR CEILING OUTLET BOX AND AV RACK.	FOUR INCH SQUARE, 2.125" DEEP BOX WITH A DOUBLE GANG PLASTER RING FLUSH WITH CEILING OR 3.5" DEEP MASONRY BOX AT PROJECTOR LOCATION AND 3/4" CONDUIT INSTALLED TO A/V EQUIPMENT RACK.
▽K J-BOX AND FACEPLATE BEHIND TELEVISION FOR CONNECTIVITY FROM A/V SYSTEM CONTROLLER TO TELEVISION HDMI INPUT AND RS-232 CONTROL.	PROVIDE ONE SHIELDED CAT6A CABLE, TERMINATED ON SHIELDED CAT6A JACKS ON BOTH ENDS. DOUBLE GANG FACEPLATE WITH DECORA CUTOUT. COORDINATE EXACT CABLE AND FACEPLATE REQUIREMENT WITH ELECTRONICS VENDOR. TERMINATE TO CONTROLLER IN A/V RACK	FOUR INCH SQUARE, 2.125" DEEP BOX WITH A DOUBLE GANG PLASTER RING OR DOUBLE GANG 3.5" DEEP MASONRY BOX AND 1" CONDUIT INSTALLED TO AUDIO VISUAL SYSTEM RACK.
▽L J-BOX AND FACEPLATE BEHIND TELEVISION FOR CONNECTIVITY FROM FLOOR OR WALL BOX TO TELEVISION A/V INPUTS.	PROVIDE ONE HDMI CABLE TERMINATED ON HDMI PASS-THROUGH JACK AND ONE 4/C SHIELDED AUDIO CABLE TERMINATED ON RED AND WHITE RCA JACKS. SINGLE GANG FACEPLATE. CABLING ORIGINATES IN "L" TYPE FLOOR BOX OR WALL INPUT BOX. PROVIDE PATCH CABLES FROM JACKS BEHIND TV TO TV INPUTS.	FOUR INCH SQUARE, 2.125" DEEP BOX WITH A SINGLE GANG PLASTER RING OR SINGLE GANG 3.5" DEEP MASONRY BOX AND 1" CONDUIT INSTALLED TO "L" TYPE FLOOR BOX OR WALL INPUT BOX.

FIRE ALARM SYMBOLS	
NOTE: NOT ALL SYMBOLS MAY BE USED.	
	MANUAL PULL STATION (48" TO HANDLE OF DEVICE) 'K' = KEY OPERATED 'S' = COVER 'A' = COVER & AUDIBLE ALARM
(H)	HEAT DETECTOR
(H)	DUCT MOUNTED HEAT DETECTOR
(S)	SMOKE DETECTOR 'UF' = UNDER FLOOR
(S)	DUCT MOUNTED SMOKE DETECTOR. REFER TO DETAIL 2/-T504 FOR ADDITIONAL REQUIREMENTS.
	SPEAKER (80" AFF TO BOTTOM OF DEVICE)
	SPEAKER WITH STROBE (80" AFF TO BOTTOM OF DEVICE)
	HORN (80" AFF TO BOTTOM OF DEVICE)
	HORN WITH STROBE (80" AFF TO BOTTOM OF DEVICE)
	STROBE (80" AFF TO BOTTOM OF DEVICE)
B	BELL, 120V
F	WATER FLOW SWITCH: DIVISION 28 TO PROVIDE
T	WATER TAMPER SWITCH: DIVISION 28 TO PROVIDE
PV	PIV VALVE
M	FIRE ALARM MODULE
DH	MAGNETIC DOOR HOLDER
FP	FIREMAN'S PHONE
RI	REMOTE INDICATOR STATION FOR DUCT SMOKE DETECTOR (60" AFF TO CENTERLINE)
R	FAN SHUT-DOWN RELAY
FAAP	FIRE ALARM ANNUNCIATOR PANEL. RECESSED MOUNTED.
FACP	FIRE ALARM CONTROL PANEL
NAC	NOTIFICATION APPLIANCE CIRCUIT PANEL
F/S SD	FIRE/SMOKE DAMPER ACTIVATED BY AREA SMOKE DETECTOR. PROVIDE ADDRESSABLE MODULE TO CONTROL AND MONITOR DAMPER POSITION.
(S)D	ASPIRATING DUCT SAMPLING UNIT. REFER TO DETAIL ON SHEET T-504 AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
NOTES:	TYPE 'VG' = PROVIDE WITH VANDAL GUARD TYPE 'K' = PROVIDE KEYED PULL STATION TYPE 'C' = CEILING MOUNTED DEVICE

SECURE CEILING ROUGH IN REQUIREMENTS

CONTRACTOR SHALL CAREFULLY PLAN AND COORDINATE ALL RACEWAY INSTALLATION WORK FOR ELEMENTS INSTALLED ON, OR SERVED FROM CONDUIT SYSTEMS TO BE CONCEALED ABOVE SECURE CEILING SYSTEMS. WORK INSTALLED ABOVE SECURE CEILINGS WILL BE INACCESSIBLE AFTER CEILING INSTALLATION IS COMPLETE. WORK PROVIDED SHALL MEET THE REQUIREMENTS OF THE ELECTRICAL CODE FOR ACCESS TO JUNCTION AND PULL BOXES. THE CONTRACTOR SHALL BE LIMITED TO UTILIZE ONLY ACCESS LOCATIONS IDENTIFIED ON CONTRACT DRAWING REFLECTED CEILING PLANS FOR COMPLIANCE WITH THESE REQUIREMENTS. THE CONTRACTOR SHALL UTILIZE PATHWAY INSTALLATION LOCATION AND ROUTING AS REQUIRED TO MEET THE REQUIREMENTS OF THE CODE WHILE USING ONLY ACCESS LOCATION IDENTIFIED ON ARCHITECTURAL REFLECTED CEILING PLANS.

NOTE:
REFER TO FACEPLATE DETAILS FOR MORE INFORMATION.

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DRAWN: PLR | CHK'D: JMJ
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APPRV'D: JMJ
DATE: SEPTEMBER, 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

GENERAL INFORMATION

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ELECTRICAL

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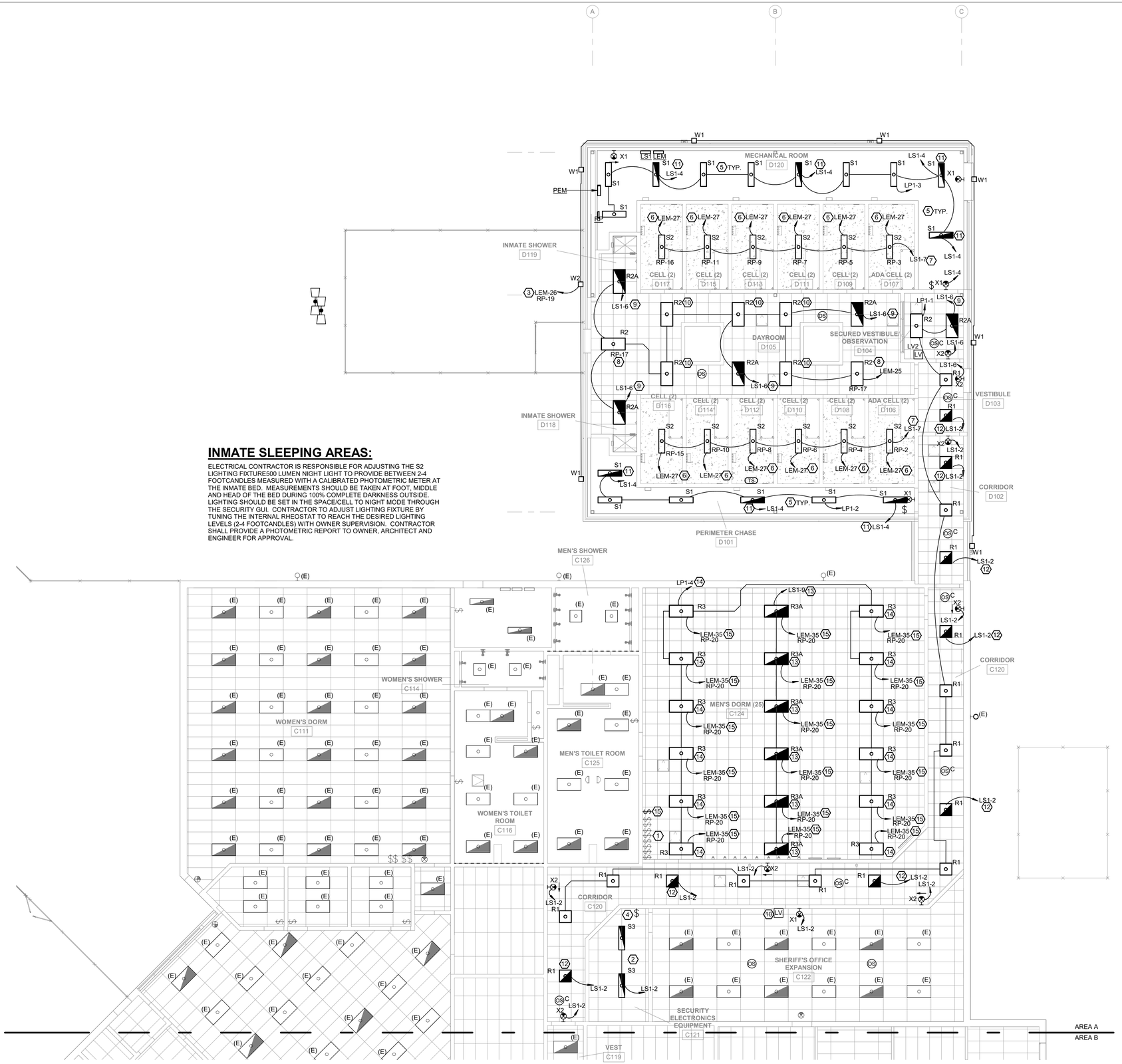


INMATE SLEEPING AREAS:

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE S2 LIGHTING FIXTURE500 LUMEN NIGHT LIGHT TO PROVIDE BETWEEN 2-4 FOOTCANDLES MEASURED WITH A CALIBRATED PHOTOMETRIC METER AT THE INMATE BED. MEASUREMENTS SHOULD BE TAKEN AT FOOT, MIDDLE AND HEAD OF THE BED DURING 100% COMPLETE DARKNESS OUTSIDE. LIGHTING SHOULD BE SET IN THE SPACE/CELL TO NIGHT MODE THROUGH THE SECURITY GUI. CONTRACTOR TO ADJUST LIGHTING FIXTURE BY TUNING THE INTERNAL RHEOSTAT TO REACH THE DESIRED LIGHTING LEVELS (2-4 FOOTCANDLES) WITH OWNER SUPERVISION. CONTRACTOR SHALL PROVIDE A PHOTOMETRIC REPORT TO OWNER, ARCHITECT AND ENGINEER FOR APPROVAL.

1 **FIRST FLOOR LIGHTING PLAN - AREA A**
SCALE: 1/8" = 1'-0"

NORTH

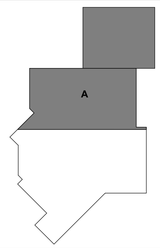
GENERAL SHEET NOTES:

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LUMINAIRES. COORDINATE WITH OTHER TRADES CONTRACTORS IN ADVANCE OF INSTALLATION TO AVOID CONFLICTS OF SUFFICIENT SPACE ABOVE CEILINGS FOR RECESSED LUMINAIRES.
2. SOME SWITCHED LIGHTING CIRCUITING NOT SHOWN FOR CLARITY. ALL LUMINAIRES WITHIN A SPACE ARE TO BE CONTROLLED FROM SWITCHES/OCCUPANCY SENSORS SHOWN IN THAT SPACE UNLESS OTHERWISE NOTED.
3. ROOM CONTROLLERS ARE NOT SHOWN FOR CLARITY. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS. ROOM CONTROLLERS TO BE LOCATED WITHIN EACH ROOM ABOVE CEILING ADJACENT TO ENTRY DOOR. PROVIDE CONDUIT AND WIRING FROM ROOM CONTROLLER TO SENSOR UNITS.
4. CEILING OCCUPANCY SESNORS SHALL BE LOCATED PER MANUFACTURER'S RECOMMENDATIONS AND ARE SHOWN FOR GRAPHICAL REPRESENTATION ONLY. WHERE MULTIPLE CEILING SENSORS ARE INDICATED WITHIN THE SAME SPACE THEY SHALL BE WIRED IN MASTER/SLAVE CONFIGURATION SUCH THAT OCCUPANCY AT AN INDIVIDUAL SENSOR WILL SIGNLA ON TO ALL LUMINAIRES WITHIN THAT SPACE. WIRE OCCUPANCY SENSORS AHEAD OF ALL SWITCHING AS INDICATED.

SHEET NOTES:

1. LOCATION OF EXISTING SWITCH BANK. EXTEND AS NECESSARY TO MAKE FINAL CONNECTION. CONTRACTOR TO ENSURE PROPER WORKING CONDITION OF ALL LIGHTING CONTROLS WITH FIXTURES THIS LOCATION. SEE KEY NOTE 13,14 AND 15 THIS SHEET FOR LIGHTING CONTROLS.
2. EXTEND 120/1P CIRCUIT TO FIXTURE. PROVIDE (2) #12 AND (1) #12 GROUND IN 3/4" CONDUIT. MAKE FINAL CONNECTION.
3. FIXTURE TO BE MOUNTED ON BUILDING EXTERIOR. FIXTURE TO BE PROVIDED WITH RELAY PANEL CIRCUIT AND SCHEDULED VIA MASTER CONTROL CENTER TIME CLOCK. CONTRACTOR TO MATCH MOUNTING HEIGHT OF EXISTING EXTERIOR WALL MOUNTED FIXTURES ON EXTERIOR OF BUILDING.
4. PROVIDE SINGLE POLE SWITCH. MAKE FINAL CONNECTION.
5. FIXTURES S1/S1A TO BE SUSPENDED FROM STRUCTURE AT 9'-0" AFF. COORDINATE AND SUSPEND FREE AND CLEAR OF ANY EQUIPMENT,PIPING, AND DUCTWORK.
6. ALL NIGHT LIGHTS SHALL TURN ON IN UNISON AND CELL LIGHTING TO TURN OFF WHEN NIGHT LIGHT SETTING IS ACTIVATED. SEE SHEET E7.2 FOR MORE INFORMATION.
7. EACH CELL IS TO BE PROVIDED WITH ABILITY TO TURN ON/OFF EACH CELL INDIVIDUALLY AS WELL AS ALL CELLS IN UNISON. SEE RELAY PANEL SCHEDULE AND SEQUENCE OF OPERATIONS NOTES ON SHEET E7.2 FOR MORE INFORMATION.
8. WHEN NIGHT LIGHT SETTING IS ACTIVATED THIS FIXTURE SHALL BE DIMMED TO 25% AND ALL OTHER DAY ROOM LIGHTING FIXTURES THIS AREA TO BE 100% OFF (COORDINATE LIGHTING LEVEL WITH OWNER AND BUREAU OF ADULT DETENTION). WHEN DAYROOM LIGHTING IS ACTIVATED THIS FIXTURE TO BE 100% ON. AT NO TIME SHALL DAY ROOM LIGHTING BE CAPABLE OF COMPLETE OFF. SEE RELAY PANEL SCHEDULE, LIGHTING CONTROL SCHEDULE, AND SEQUENCE OF OPERATIONS NOTES ON SHEET E7.2 FOR MORE INFORMATION.
9. FIXTURE TO BE PROVIDED WITH GENERATOR TRANSFER DEVICE (GTD). WHEN LOSS OF POWER IS DETECTED FIXTURE TO REMAIN 100% FULL ON. DURING NORMAL OPERATION FIXTURE TO BE CONTROLLED IN UNISON WITH OTHER LIGHTING FIXTURES THIS AREA. GENERATOR TRANSFER DEVICE (GTD) TO BE FACTORY PROVIDED AND MOUNTED WITHIN FIXTURE ON REMOVEABLE GEAR TRAY TO PROVIDE ACCESS TO DEVICE LENS DOWN. MAKE FINAL CONNECTION. SEE SHEET E7.2 FOR MORE INFORMATION.
10. PROVIDE LOW VOLTAGE SWITCH. MAKE FINAL CONNECTION AND EXTEND AS NECESSARY TO EXISTING CIRCUIT. EXISTING EMERGENCY FIXTURES TO BE CONTROLLED IN UNISON WITH FIXTURES THIS AREA. WHEN LOSS OF POWER IS DETECTED EMERGENCY FIXTURE TO REMAIN 100% FULL CONNECTED TO EMERGENCY CIRCUIT. PROVIDE DUAL INPUT POWER PACK. MAKE FINAL CONNECTION.
11. CIRCUIT LEVEL GENERATOR TRANSFER DEVICE (GTD) TO BE PROVIDED FOR EMERGENCY FIXTURES THIS AREA. WHEN LOSS OF POWER IS DETECTED FIXTURE TO REMAIN 100% FULL ON CONNECTED TO EMERGENCY CIRCUIT. DURING NORMAL OPERATION FIXTURE TO BE CONTROLLED IN UNISON WITH OTHER LIGHTING FIXTURES THIS AREA. MAKE FINAL CONNECTION. SEE SHEET E7.2 FOR MORE INFORMATION.
12. EM FIXTURE TO BE CONNECTED AHEAD OF ALL CONTROLS AND BE ON 24X7 100% FULL ON.
13. EMERGENCY FIXTURE TO BE PROVIDED WITH GENERATOR TRANSFER DEVICE (GTD). WHEN LOSS OF POWER IS DETECTED FIXTURE TO REMAIN 100% FULL ON CONNECTED TO EMERGENCY CIRCUIT. DURING NORMAL OPERATION FIXTURE TO BE CONTROLLED IN UNISON WITH OTHER LIGHTING FIXTURES BY EXISTING SWITCH BANK PROTECTED DURING DEMOLITION PHASE OF WORK. EXTEND SWITCHING AS NECESSARY TO MAKE FINAL CONNECTION.
14. FIXTURE TO BE CONTROLLED BY EXISTING SWITCH BANK PROTECTED DURING DEMOLITION PHASE OF WORK. EXTEND EXISTING SWITCHING AS NECESSARY TO MAKE FINAL CONNECTION.
15. FIXTURE IS TO BE PROVIDED WITH 500 LUMEN 2700K COLOR TEMPERATURE NIGHT LIGHT WITH MANUAL ADJUSTABLE POTENTIOMETER ON REMOVABLE GEAR TRAY. NIGHT LIGHT TO BE SCHEDULED ON/OFF THRU RELAY PANEL.

KEYPLAN



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PROFESSIONAL ENGINEER

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DRAWN: BRR
DESIGNED: BRR
CHK'D: PLR
APPR'D: PLR
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

FIRST FLOOR LIGHTING PLAN - AREA A

DRAWING NUMBER E1.1
ELECTRICAL

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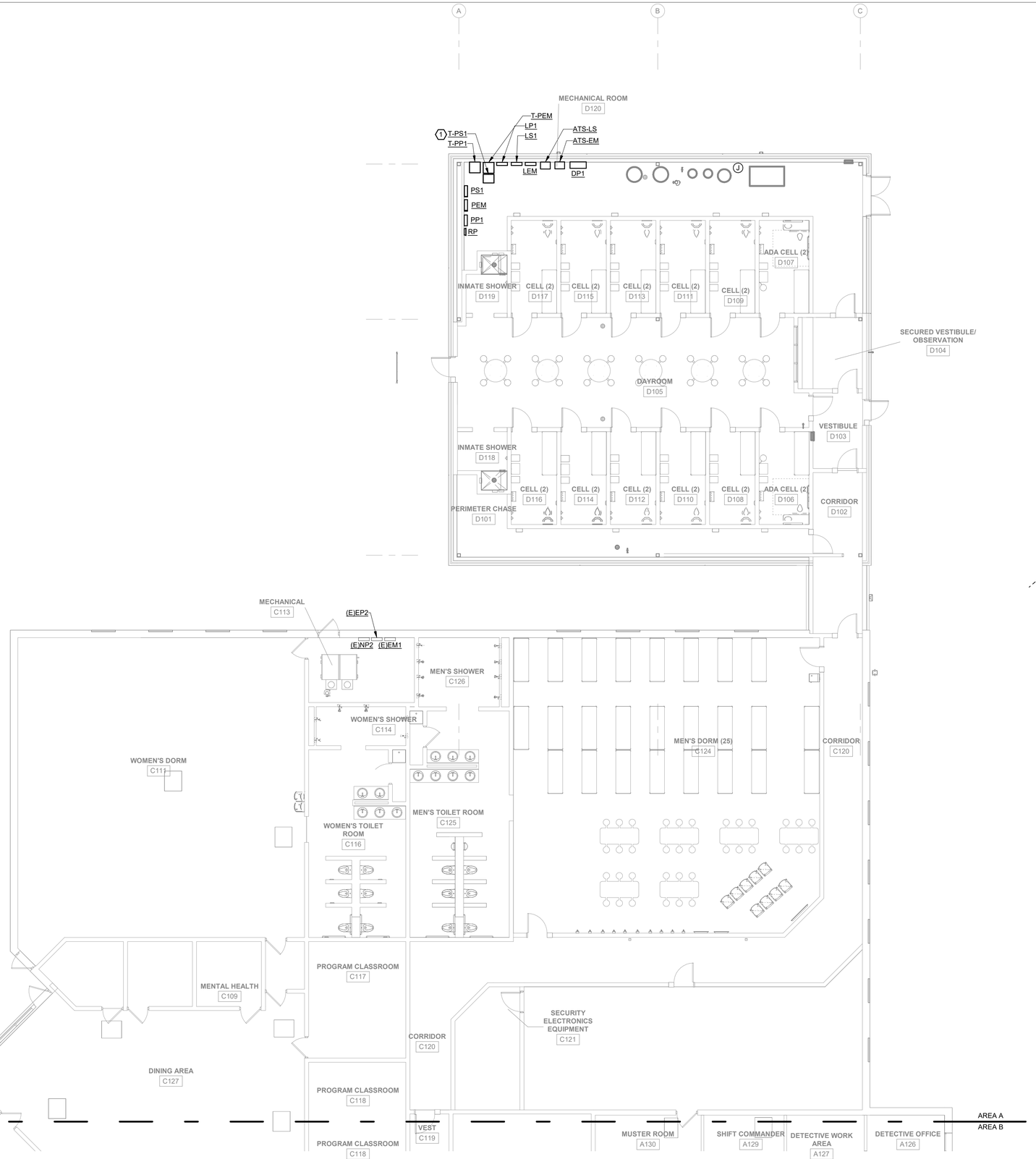


1 **FIRST FLOOR POWER AND SYSTEMS PLAN - AREA A**
SCALE: 1/8" = 1'-0"

NORTH

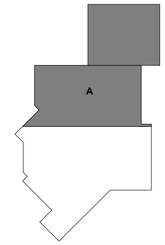
GENERAL SHEET NOTES:

1. COORDINATE DEVICE INSTALLATIONS, CONDUIT, ROUTING, ETC., WITH STRUCTURE AND OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
2. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
3. UNLESS NOTED OTHERWISE, ALL CIRCUITS SHALL BE CONNECTED WITH MINIMUM #12 AWG CONDUCTORS.
4. SHARED NEUTRALS ARE NOT ALLOWED ON THIS PROJECT. PROVIDE EACH CIRCUIT WITH A SEPARATE, DEDICATED NEUTRAL CONDUCTOR.
5. ALL ELECTRICAL ENCLOSURES INSTALLED OUTDOORS SHALL BE NEMA 3R RATED, UNLESS NOTED OTHERWISE.
6. FOR ALL NON-FLOOR MOUNTED HVAC EQUIPMENT, COORDINATE AND PROVIDE NECESSARY MEANS TO INSTALL SERVICE DISCONNECT NEAR UNIT SERVED. MAINTAIN ALL CODE REQUIRED CLEARANCES.

SHEET NOTES:

1. WALL MOUNT TRANSFORMER ABOVE FLOOR MOUNTED TRANSFORMER. REFER TO MANUFACTURER'S RECOMMENDATIONS AND MOUNTING BRACKETS FOR WALL MOUNTING.

KEYPLAN



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APPRVD: JMJ
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DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

FIRST FLOOR ELECTRICAL EQUIPMENT LAYOUT - AREA A

DRAWING NUMBER E2.0
ELECTRICAL

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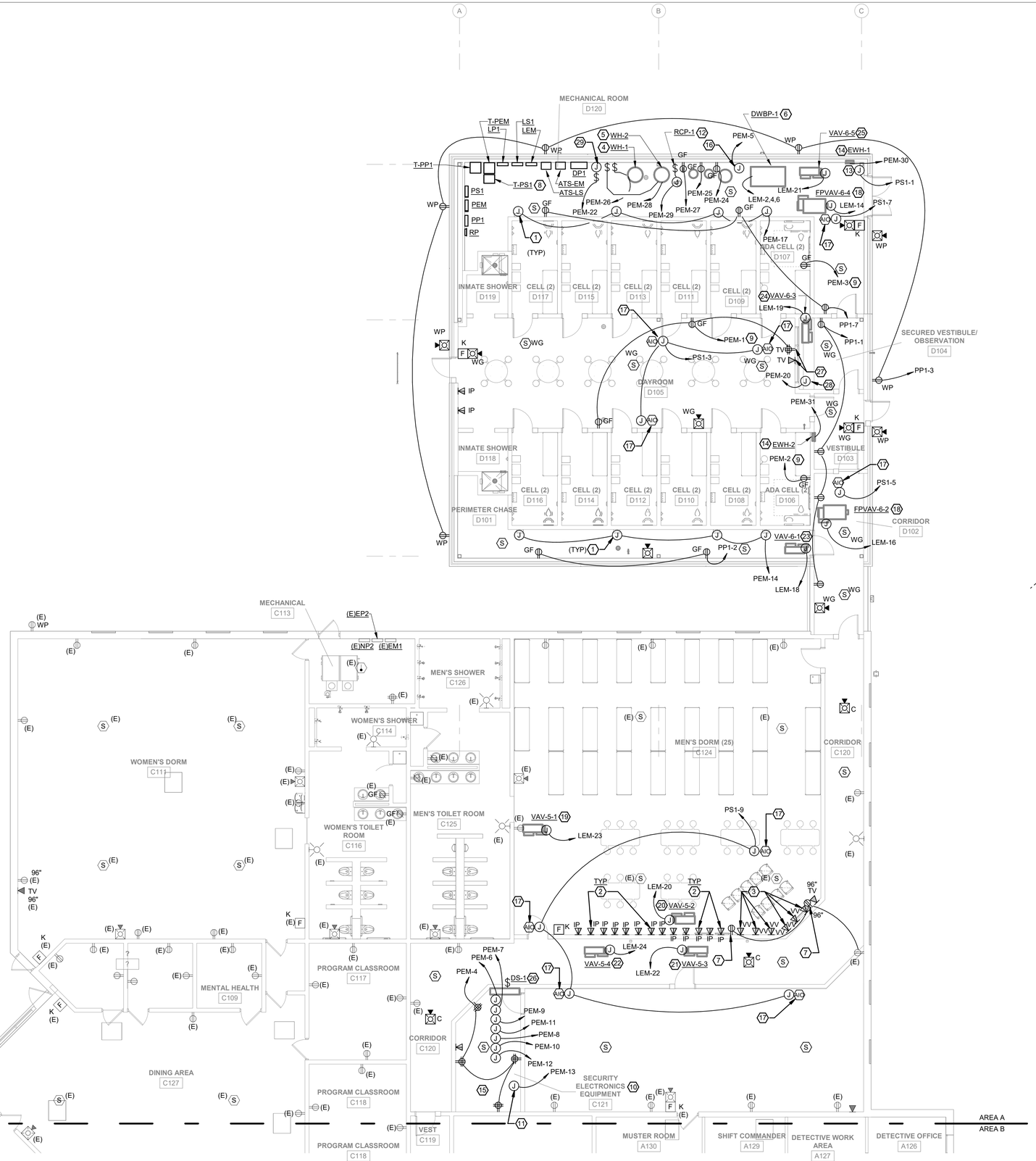


1 FIRST FLOOR POWER AND SYSTEMS PLAN - AREA A

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

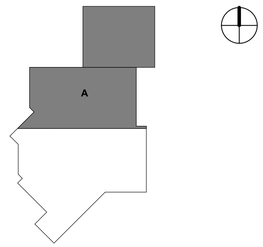
GENERAL SHEET NOTES:

1. COORDINATE DEVICE INSTALLATIONS, CONDUIT, ROUTING, ETC., WITH STRUCTURE AND OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
2. ALL DEVICES LOCATED INSIDE INMATE ACCESSIBLE AREAS SHALL BE PROVIDED WITH DETENTION COVERPLATE.
3. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
4. UNLESS NOTED OTHERWISE, ALL CIRCUITS SHALL BE CONNECTED WITH MINIMUM #12 AWG CONDUCTORS.
5. SHARED NEUTRALS ARE NOT ALLOWED ON THIS PROJECT. PROVIDE EACH CIRCUIT WITH A SEPARATE, DEDICATED NEUTRAL CONDUCTOR.
6. ALL ELECTRICAL ENCLOSURES INSTALLED OUTDOORS SHALL BE NEMA 3R RATED, UNLESS NOTED OTHERWISE.
7. FOR ALL NON-FLOOR MOUNTED HVAC EQUIPMENT, COORDINATE AND PROVIDE NECESSARY MEANS TO INSTALL SERVICE DISCONNECT NEAR UNIT SERVED. MAINTAIN ALL CODE REQUIRED CLEARANCES.

⬡SHEET NOTES:

1. PROVIDE CONNECTION TO 120/24V TRANSFORMER FOR WATER MANAGEMENT SYSTEM.
2. EXTEND EXISTING INMATE TELEPHONE CABLING TO NEW LOCATION.
3. EXTEND EXISTING INMATE VIDEO VISITATION CABLING TO NEW LOCATION.
4. WH-1 - GAS FIRED WATER HEATER. PROVIDE DISCONNECT AND FINAL CONNECTION.
5. WH-2 - GAS FIRED WATER HEATER. PROVIDE DISCONNECT AND FINAL CONNECTION.
6. DWBP-1 - 3HP, 480V, 3PH, DOMESTIC WATER BOOSTER PUMP - PROVIDE FINAL CONNECTION TO MANUFACTURER PROVIDED NON-FUSED DISCONNECT.
7. CONNECT TO EXISTING RECEPTACLE CIRCUIT WITH (2) #12 AND #12 GND IN 3/4" CONDUIT.
8. WALL MOUNT TRANSFORMER ABOVE FLOOR MOUNTED TRANSFORMER. REFER TO MANUFACTURER'S RECOMMENDATIONS AND MOUNTING BRACKETS FOR WALL MOUNTING.
9. CIRCUIT THROUGH RELAY PANEL PROVIDED BY DIVISION 26 ELECTRICAL CONTRACTOR. COORDINATE EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
10. SECURITY ELECTRONICS ROOM C122. COORDINATE TERMINATION OF CIRCUITS WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.
11. PROVIDE CONNECTION TO SECURITY ELECTRONICS UTILITY RELAY PANEL. COORDINATE FINAL CONNECTION WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.
12. RCP-1 - FRACTIONAL HP, 120V. PROVIDE DISCONNECT AND FINAL CONNECTION TO RECIRCULATION PUMP.
13. GAS SHUTOFF BUTTON - PROVIDE 120V CONNECTION TO GAS SHUT OFF BUTTON. COORDINATE REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
14. ELECTRIC WALL HEATER - 1500W, 120V, 1 PH. PROVIDE FINAL CONNECTION TO ELECTRIC WALL HEATER.
15. DUCTLESS SPLIT SYSTEM INDOOR UNIT - CONNECT TO OUTDOOR UNIT. REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS PRIOR TO ROUGH-IN.
16. CELL VALVE CONTROL PANEL - PROVIDE 120V CONNECTION TO CONTROL PANEL. COORDINATE REQUIREMENTS PRIOR TO ROUGH-IN.
17. PROVIDE FIRE ALARM MODULE FOR DUCT SMOKE DAMPER. PROVIDE 120V CONNECTION AS SHOWN.
18. FAN POWERED VAV - 277V, 1PH, 54 MCA, 60 MOCP. PROVIDE FINAL CONNECTION TO MANUFACTURER PROVIDED DISCONNECT.
19. VAV-5-1 - 277V, 1PH, 53.6 MCA, 60 MOCP. PROVIDE FINAL CONNECTION TO MANUFACTURER PROVIDED DISCONNECT.
20. VAV-5-2 - 277V, 1PH, 54.6 MCA, 60A MOCP. PROVIDE FINAL CONNECTION TO MANUFACTURER PROVIDED DISCONNECT.
21. VAV-5-3 - 277V, 1PH, 29 MCA, 30A MOCP. PROVIDE FINAL CONNECTION TO MANUFACTURER PROVIDED DISCONNECT.
22. VAV-5-4 - 277V, 1PH, 13.3 MCA, 15A MOCP. PROVIDE FINAL CONNECTION TO MANUFACTURER PROVIDED DISCONNECT.
23. VAV-6-1 - 277V, 1PH, 7.4 MCA, 15A MOCP. PROVIDE FINAL CONNECTION TO MANUFACTURER PROVIDED DISCONNECT.
24. VAV-6-3 - 277V, 1PH, 15.7 MCA, 20A MOCP. PROVIDE FINAL CONNECTION TO MANUFACTURER PROVIDED DISCONNECT.
25. VAV-6-5 - 277V, 1PH, 44.8 MCA, 45A MOCP. PROVIDE FINAL CONNECTION TO MANUFACTUER PROVIDED DISCONNECTION.
26. DS-1 - PROVIDE CONNECTION FROM OUTDOOR UNIT TO INDOOR UNIT. PROVIDE DISCONNECT AS SHOWN AND PROVIDE FINAL CONNECTION. COORDINATE REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
27. PROVIDE RECEPTACLE AND CATV OUTLET MOUNTED ABOVE WINDOW. COORDINATE MOUNTING HEIGHT PRIOR TO ROUGH-IN.
28. PROVIDE FINAL CONNECTION TO SECURITY EQUIPMENT PROVIDED BY OTHERS. COORDINATE FINAL REQUIREMENTS PRIOR TO ROUGH-IN.
29. DMV-1 120V, 1 PH. PROVIDE DISCONNECT AND FINAL CONNECTION.

KEYPLAN



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DRAWN: PLR
DESIGNED: PLR
APPRVD: JMJ
CHK'D: JMJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

FIRST FLOOR POWER AND SYSTEMS PLAN - AREA A

DRAWING NUMBER E2.1
ELECTRICAL

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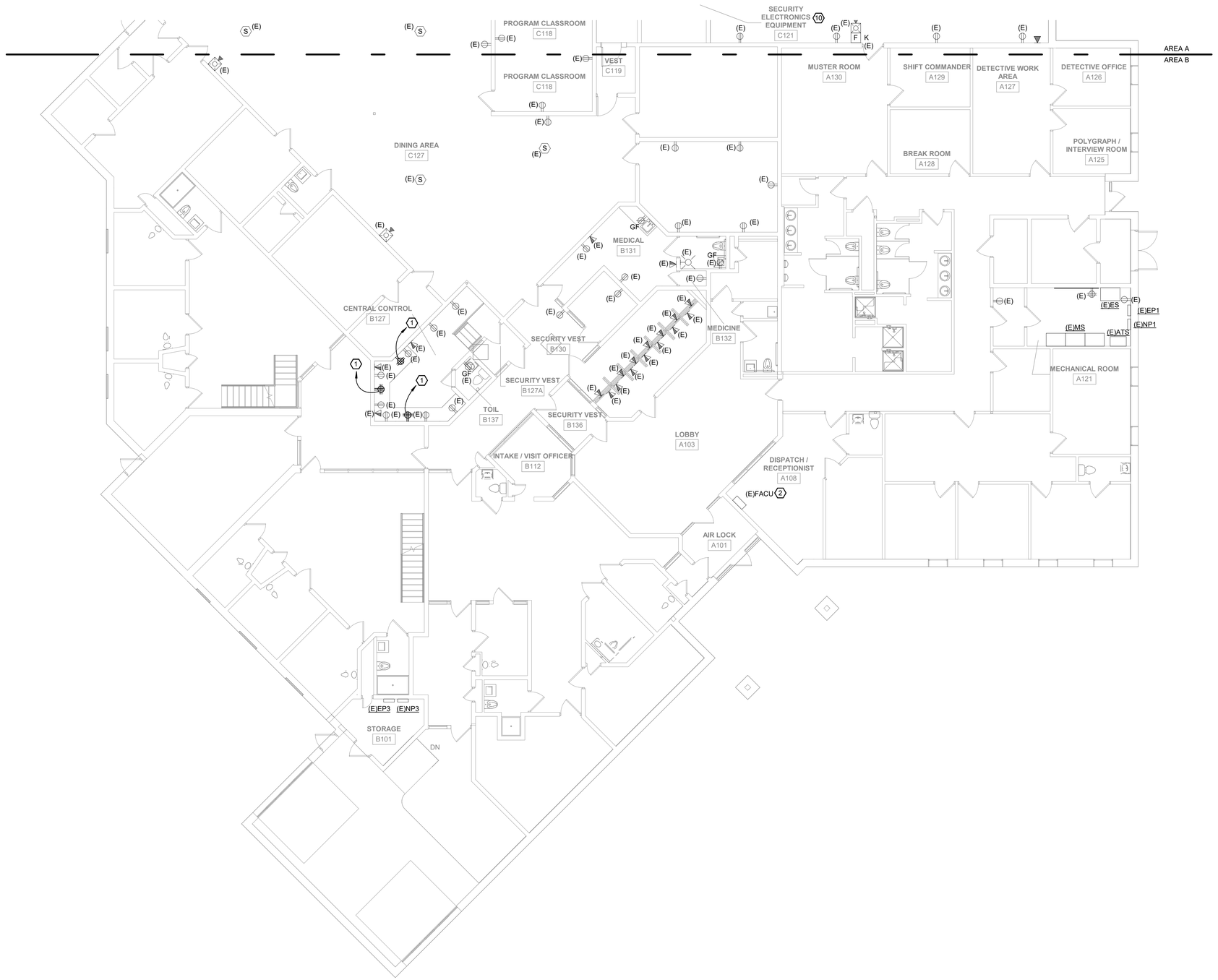


1 **FIRST FLOOR POWER AND SYSTEMS PLAN - AREA B**
SCALE: 1/8" = 1'-0"

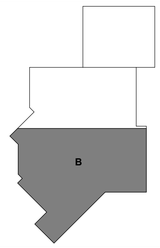
GENERAL SHEET NOTES:

1. COORDINATE DEVICE INSTALLATIONS, CONDUIT, ROUTING, ETC., WITH STRUCTURE AND OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
2. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
3. UNLESS NOTED OTHERWISE, ALL CIRCUITS SHALL BE CONNECTED WITH MINIMUM #12 AWG CONDUCTORS.
4. SHARED NEUTRALS ARE NOT ALLOWED ON THIS PROJECT. PROVIDE EACH CIRCUIT WITH A SEPARATE, DEDICATED NEUTRAL CONDUCTOR.
5. ALL ELECTRICAL ENCLOSURES INSTALLED OUTDOORS SHALL BE NEMA 3R RATED, UNLESS NOTED OTHERWISE.
6. FOR ALL NON-FLOOR MOUNTED HVAC EQUIPMENT, COORDINATE AND PROVIDE NECESSARY MEANS TO INSTALL SERVICE DISCONNECT NEAR UNIT SERVED. MAINTAIN ALL CODE REQUIRED CLEARANCES.

⬡SHEET NOTES:

1. CONNECT TO SPARE 20A/1P CIRCUIT BREAKER IN PANEL EP1 WITH (2) #12 AND (1) #12 GND IN 3/4" CONDUIT.
2. EXISTING MAIN FIRE ALARM CONTROL PANEL (SIMPLEX 4100). ALL NEW FIRE ALARM DEVICES TO BE FED FROM THE EXISTING FIRE ALARM PANEL.

KEYPLAN



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DESIGNED: PLR
APPRV'D: JMU
DATE: SEPTEMBER, 25, 2026
PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
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FIRST FLOOR POWER AND SYSTEMS PLAN - AREA B

DRAWING NUMBER E2.3
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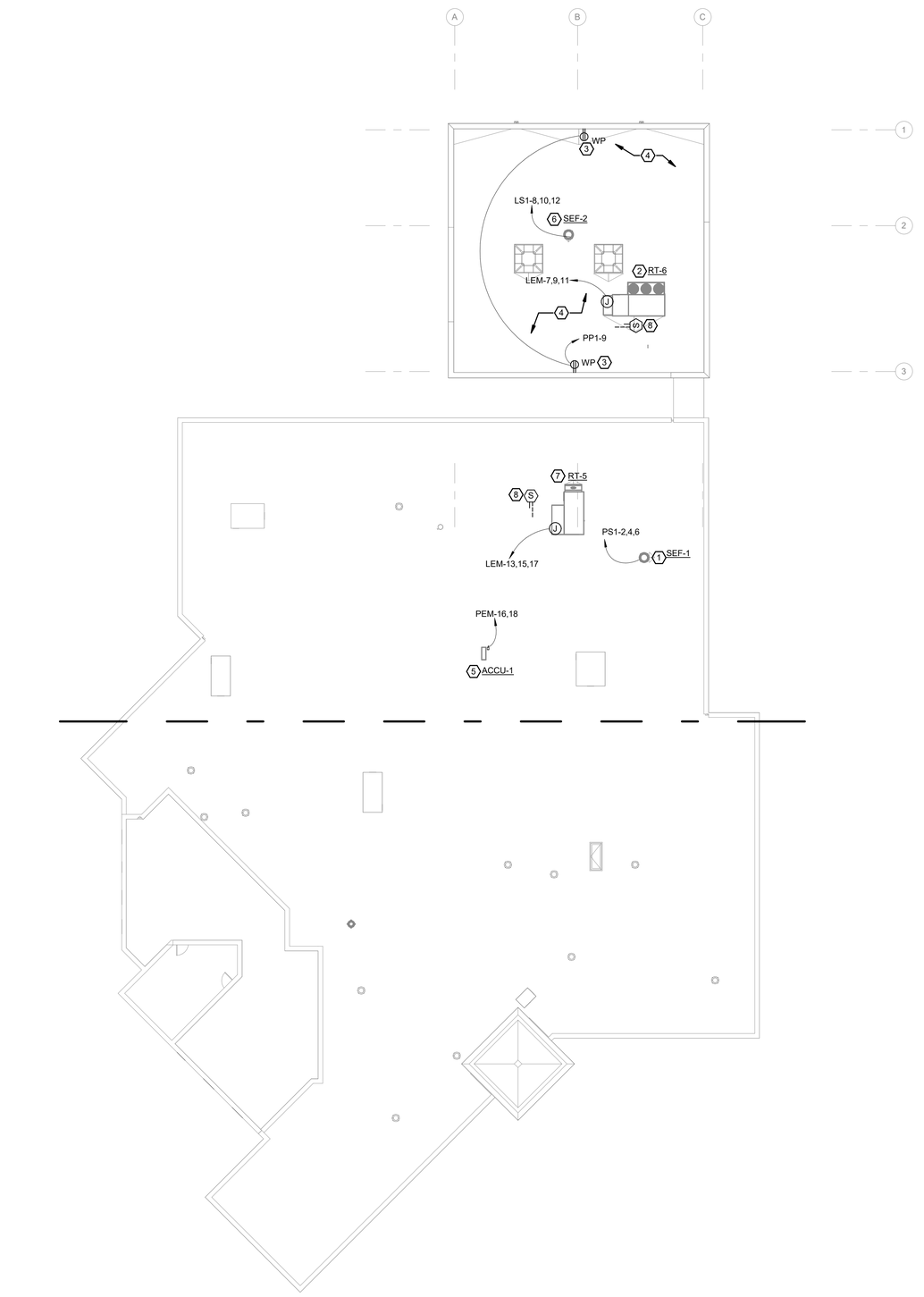


1 **ROOF POWER AND SYSTEMS PLAN**
SCALE: 1/16" = 1'-0"

NORTH

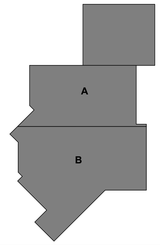
GENERAL SHEET NOTES:

1. COORDINATE DEVICE INSTALLATIONS, CONDUIT, ROUTING, ETC., WITH STRUCTURE AND OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
2. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
3. UNLESS NOTED OTHERWISE, ALL CIRCUITS SHALL BE CONNECTED WITH MINIMUM #12 AWG CONDUCTORS.
4. SHARED NEUTRALS ARE NOT ALLOWED ON THIS PROJECT. PROVIDE EACH CIRCUIT WITH A SEPARATE, DEDICATED NEUTRAL CONDUCTOR.
5. ALL ELECTRICAL ENCLOSURES INSTALLED OUTDOORS SHALL BE NEMA 3R RATED, UNLESS NOTED OTHERWISE.
6. FOR ALL NON-FLOOR MOUNTED HVAC EQUIPMENT, COORDINATE AND PROVIDE NECESSARY MEANS TO INSTALL SERVICE DISCONNECT NEAR UNIT SERVED. MAINTAIN ALL CODE REQUIRED CLEARANCES.

⬡SHEET NOTES:

1. SEF-1 - 3/4 HP, 208V, 3 PHASE, 4.4 FLA, 20A MOCP. PROVIDE FINAL CONNECTION TO DISCONNECT PROVIDED BY OTHERS. PROVIDE FIRE ALARM MODULE TO TIE SMOKE EXHAUST INTO FIRE ALARM SYSTEM. UPON DETECTION OF SMOKE THE FIRE ALARM PANEL SHALL INITIATE THE EXHAUST FAN TO TURN ON.
2. RT-6 - 480V, 3 PHASE, 41A MCA, 50A MOCP. PROVIDE FINAL CONNECTION TO INTEGRAL DISCONNECT.
3. ROOFTOP RECEPTACLE - REFER TO DETAILS FOR MOUNTING OF RECEPTACLE.
4. PROVIDE EXTENSION OF EXISTING LIGHTNING PROTECTION. REFER TO SPECIFICATIONS FOR MORE INFORMATION. PROVIDE MASTER LABEL CERTIFICATION FOR ENTIRE LIGHTNING PROTECTION SYSTEM AS PART OF CLOSE OUT DOCUMENTS.
5. ACCU-1 - 208V, 1 PH, 15.7 MCA, 40A MOCP. PROVIDE DISCONNECT AND MAKE FINAL CONNECTION TO OUTDOOR UNIT. PROVIDE CONNECTION FROM OUTDOOR UNIT TO INDOOR UNIT.
6. SEF-2 - 1/4 HP, 480V, 3 PH, 1.1 FLA, 15A MOCP. PROVIDE FINAL CONNECTION TO DISCONNECT PROVIDED BY OTHERS..
7. RT-5 - 480V, 3 PHASE, 27A MCA, 40A MOCP. PROVIDE FINAL CONNECTION TO INTEGRAL DISCONNECT.
8. PROVIDE DUCT SMOKE DETECTOR. COORDINATE WITH MECHANICAL CONTRACTOR ON EXACT LOCATION.

KEYPLAN



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DESIGNED: PLR
APPRV'D: JMU
DATE: SEPTEMBER, 25, 2026
PROJECT NUMBER 2421-4009-00

MORROW COUNTY CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD MT GILEAD, OHIO 43338

ROOF POWER AND SYSTEMS PLAN

DRAWING NUMBER E2.5
ELECTRICAL

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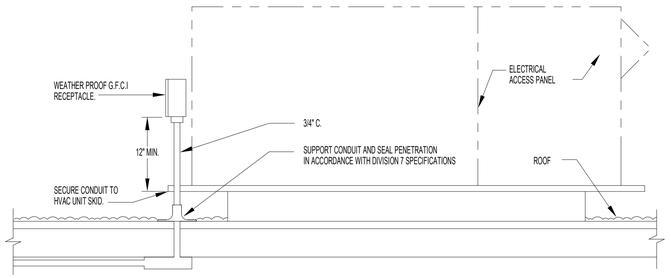
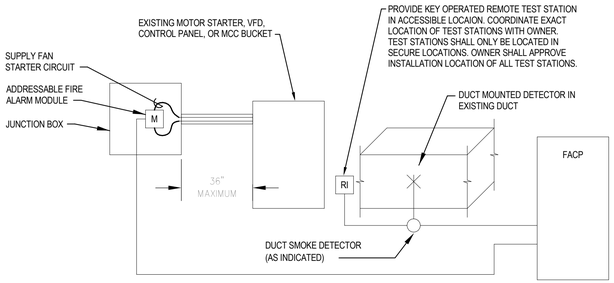


DETAIL - ROOFTOP RECEPTACLE
SCALE: N.T.S.

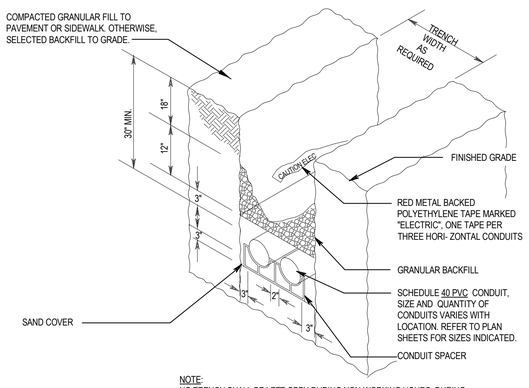


DETAIL GENERAL NOTES :

A FIRE ALARM WIRING AS SHOWN IS SCHEMATIC. PROVIDE WIRING BETWEEN FIRE ALARM DEVICES AS REQUIRED TO MEET THE SPECIFIED CLASS/STYLE REQUIREMENTS FOR COMPLIANCE WITH NFPA 72, AND AS REQUIRED BY THE FIRE ALARM CONTROL PANEL MANUFACTURER'S REQUIREMENTS.

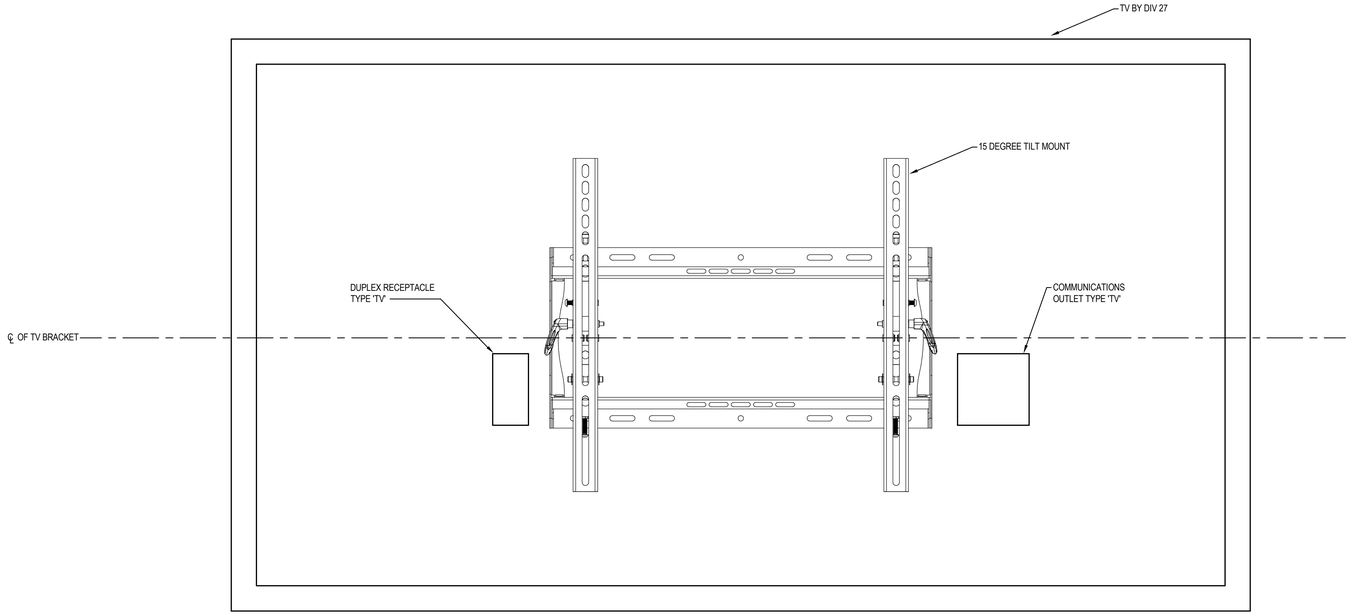
B AIR HANDLER FAN(S) SHALL BE SHUT DOWN UPON DETECTION OF SMOKE BY DUCT SMOKE DETECTOR.

DETAIL - HVAC UNIT SHUTDOWN REQUIREMENTS
SCALE: N.T.S.



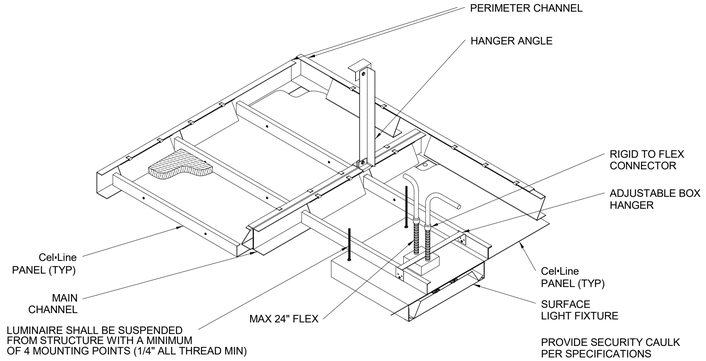
NOTE:
NO TRENCH SHALL BE LEFT OPEN DURING NON-WORKING HOURS. DURING WORKING HOURS, CONTRACTOR TO CLEARLY IDENTIFY OPEN TRENCH DURING CONSTRUCTION AND REDIRECT PEDESTRIAN TRAFFIC TO AVOID SAID TRENCH AT CONTRACTOR'S EXPENSE.

DETAIL - DIRECT BURIED CONDUIT
SCALE: N.T.S.



POWER, AND COMMUNICATION BOXES, FACEPLATES, AND WIRING MUST ALL BE CONCEALED BEHIND THE TELEVISION.

DETAIL - TYPICAL TV WALL MOUNT
SCALE: N.T.S.



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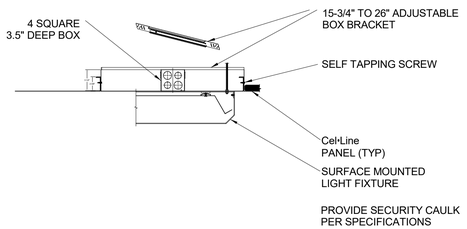

SECTION

DETAIL - SURFACE LUMINAIRE TO SECURE CEILING
SCALE: N.T.S.

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CORRECTIONAL FACILITY ADDITION & RENOVATIONS

ELECTRICAL DETAILS

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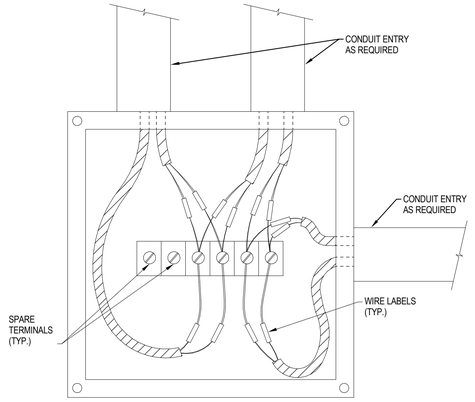
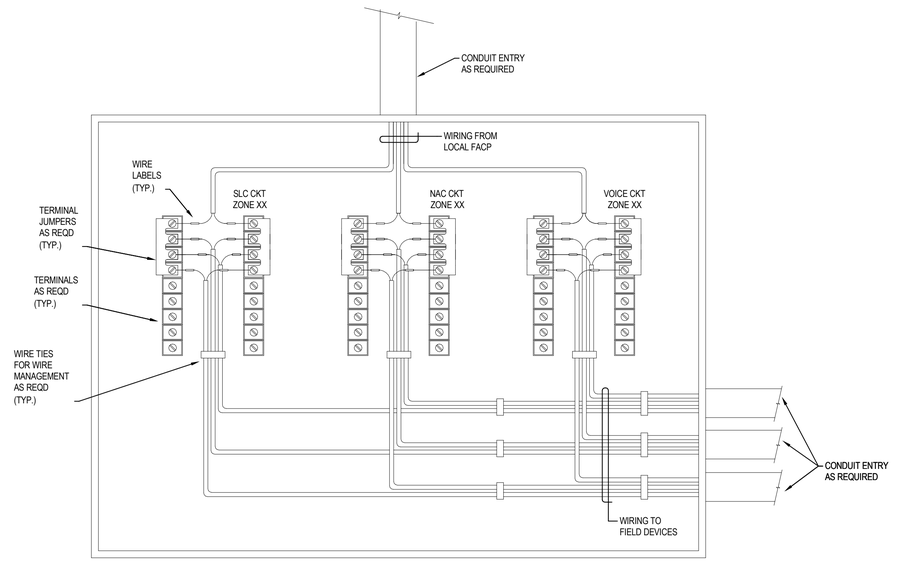


VIEW WITH COVER REMOVED

NOTES: DRAWING IS SCHEMATIC IN NATURE. PROVIDE QUANTITY OF TERMINALS, NUMBER OF PAIRS OF WIRING, AND NUMBER OF CONDUIT ENTRIES AS REQUIRED FOR THE SPECIFIC APPLICATION. LAND NO MORE THAN 3 WIRES UNDER ANY TERMINAL. USE TERMINAL STRIP JUMPER INSERTS AS REQUIRED. BOX COVER SHALL BE PAINTED RED AND SECURED WITH TAMPER PROOF HARDWARE.

DETAIL - FIRE ALARM SYSTEM JUNCTION-SPLICE BOX

SCALE: N.T.S.



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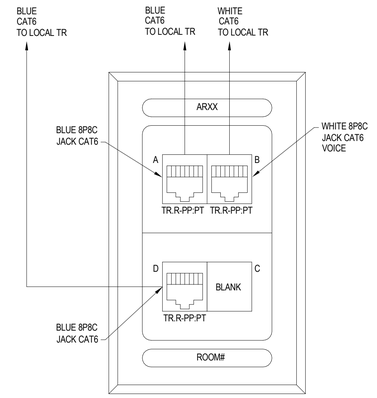
NOTES: DRAWING IS SCHEMATIC IN NATURE. PROVIDE QUANTITY OF TERMINALS, NUMBER OF PAIRS OF WIRING, AND NUMBER OF CONDUIT ENTRIES AS REQUIRED FOR THE SPECIFIC APPLICATION. LAND NO MORE THAN 3 WIRES UNDER ANY TERMINAL. USE TERMINAL STRIP JUMPER INSERTS AS REQUIRED. BOX COVER SHALL BE PAINTED RED AND SECURED WITH TAMPER PROOF HARDWARE.

DETAIL - FIRE ALARM SYSTEM TERMINAL BOX

SCALE: N.T.S.

WORKSTATION - ONLY PATCH PORTS A & B TO SWITCH
FLOOR BOXES AND CONF. ROOM - PATCH ALL PORTS TO SWITCH



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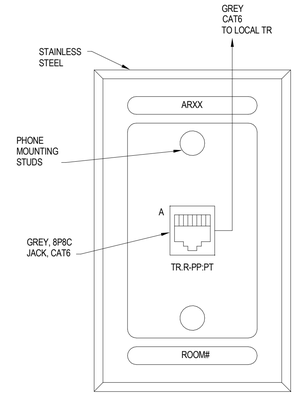
DETAIL - CAT6 DATA-VOICE WORKSTATION OUTLET

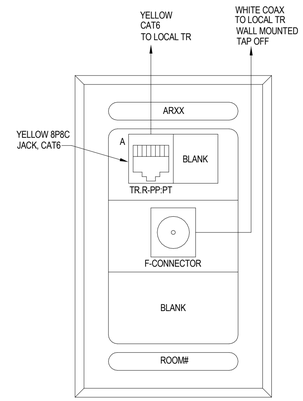
SCALE: N.T.S.



▼IP

DETAIL - INMATE PHONE OUTLET

SCALE: N.T.S.



▼TV

DETAIL - TV OUTLET

SCALE: N.T.S.

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DLZ Architecture, Inc.
AEC
Advanced Engineering Consultants

STATE OF OHIO
09/25/2026
PHILLIP L
REISNER
E-76926
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: PLR
DESIGNED: PLR
APPRV'D: JMJ
CHK'D: JMJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338

MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

ELECTRICAL DETAILS

DRAWING NUMBER E5.2 ELECTRICAL

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LOW VOLTAGE FEEDER SCHEDULE							
Tag	# of Sets	Phase Wires Quantity - Size	Neutral Wire Quantity - Size	Ground Size	Conduit Size per Set	Purpose	Notes
20A3	1	3-12 AWG	-	12 AWG	3/4"	3 Phase Equipment and Motor Feeders	
30A3	1	3-10 AWG	-	10 AWG	3/4"		
40A3	1	3-8 AWG	-	10 AWG	3/4"		
50A3	1	3-6 AWG	-	10 AWG	3/4"		
70A3	1	3-4 AWG	-	8 AWG	1"		
90A3	1	3-2 AWG	-	8 AWG	1-1/4"		
110A3	1	3-1 AWG	-	6 AWG	1-1/4"		
150A3	1	3-1/0 AWG	-	6 AWG	1-1/2"		
175A3	1	3-2/0 AWG	-	6 AWG	1-1/2"		
200A3	1	3-3/0 AWG	-	6 AWG	2"		
225A3	1	3-4/0 AWG	-	4 AWG	2"		
250A3	1	3-250 KCMIL	-	4 AWG	2"		
30A2	1	2-10 AWG	1-10 AWG	10 AWG	3/4"	1 Phase UPS Panel Feeders	
60A2	1	2-6 AWG	1-6 AWG	10 AWG	3/4"		
100A2	1	2-1 AWG	1-1 AWG	8 AWG	1-1/2"		
50A4	1	3-6 AWG	1-6 AWG	10 AWG	1"	Distribution Panelboards, and Switchboards	
70A4	1	3-4 AWG	1-6 AWG	8 AWG	1-1/4"		
100A4	1	3-1 AWG	1-1 AWG	8 AWG	1-1/2"		
150A4	1	3-1/0 AWG	1-1/0 AWG	6 AWG	2"		
200A4	1	3-3/0 AWG	1-3/0 AWG	6 AWG	2"		
225A4	1	3-4/0 AWG	1-4/0 AWG	4 AWG	2-1/2"		
250A4	1	3-250 KCMIL	1-250 KCMIL	4 AWG	2-1/2"		
30T4	1	3-3 AWG	1-3 AWG	8 AWG	1-1/4"	Transformer secondaries	
45T4	1	1-1/0 AWG	6 AWG	6 AWG	2"		
75T4	1	3-250 KCMIL	1-250 KCMIL	2 AWG	3"		
600S4	2	3-350 KCMIL	1-350 KCMIL	-	4"	3P4W Service Feeders	

Notes:

1) If conduit or conductor size are not indicated, select from the feeder schedule table above

2) Not all sizes shown are used

3) Contract shall comply with NEC fill ratios if any other type combinations are used.

4) Ampacity shown is the nominal required for conductors indicated. Conductors with higher current ratings may be shown on the drawings to acount for voltage drop or for future expansion.

Branch Panel: DP1

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42000
Mains Type:
Mains Rating: 600 A
MCB Rating: 600 A

Notes:

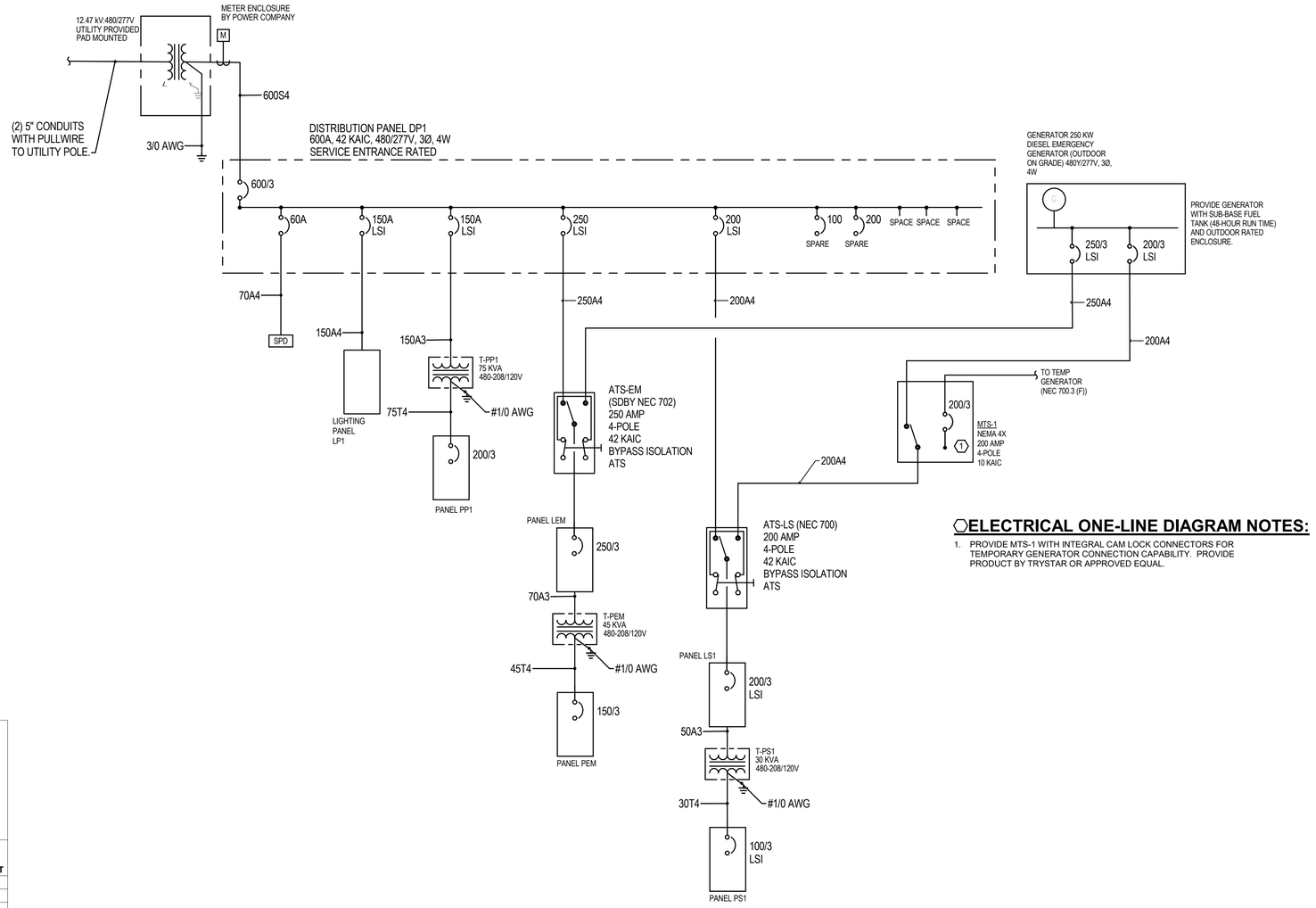
CKT	Wire Size	Circuit Description	Trip	Brkr Opt	A		B		C		Brkr Opt	Trip	Circuit Description	Wire Size	CKT
1					4.62	1.06									2
3	1	T-PP1	150 A				4.26	0.95				150 A	LP1	1	4
5									3.00	0.00					6
7					1.85	49.21									8
9	1	ATS-LS	200 A				1.87	50.15				250 A	ATS-EM	1	10
11									2.86	39.26					12
13					0.00	0.00									14
15	--	SPARE	100 A	--			0.00	0.00			--	200 A	SPARE	--	16
17									0.00	0.00					18
19					0.00	--									20
21	1	SPD	60 A	--			0.00	--			--	--	SPACE	--	22
23									0.00	--					24
25					--	--									26
27	--	SPACE	--	--			--	--			--	--	SPACE	--	28
29									--	--					30
31					--	--									32
33	--	SPACE	--	--			--	--			--	--	SPACE	--	34
35									--	--					36
37					--	--									38
39	--	SPACE	--	--			--	--			--	--	SPACE	--	40
41									--	--					42
			Total Load:		56.73 kVA		57.22 kVA		45.12 kVA						
			Total Amps:		211 A		213 A		163 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Cooling	54000 VA	100.00%	54000 VA		
Heating	68677 VA	100.00%	68677 VA	**Total Conn. Load:**	159070 VA
Lighting	3428 VA	100.00%	3428 VA	**Total Est. Demand:**	159070 VA
Power	27025 VA	100.00%	27025 VA	**Total Conn.:**	191 A
Receptacle	5940 VA	100.00%	5940 VA	**Total Est. Demand:**	191 A

PANEL SCHEDULE NOTES:

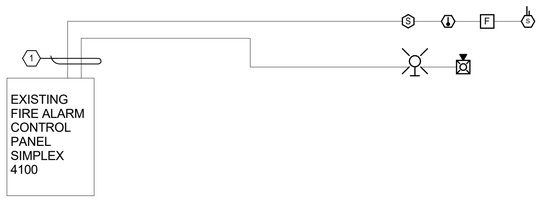
1. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR CONDUCTOR SIZES.



ELECTRICAL ONE-LINE DIAGRAM NOTES:

1. PROVIDE MTS-1 WITH INTEGRAL CAM LOCK CONNECTORS FOR TEMPORARY GENERATOR CONNECTION CAPABILITY. PROVIDE PRODUCT BY TRYSTAR OR APPROVED EQUAL.

ELECTRICAL ONE-LINE DIAGRAM
SCALE: N.T.S.



FIRE ALARM RISER NOTES:

1. PROVIDE SLC CIRCUIT, CONTROL CIRCUITS, AND OTHER CABLING AS REQUIRED TO SERVE FIRE ALARM SYSTEM DEVICES. PROVIDE AND SIZE WIRING AND CONDUITS AS REQUIRED BASED ON FIRE ALARM WIRING REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FIRE ALARM RISER DIAGRAM
SCALE: N.T.S.

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PHILLIP L REISMAIR
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PROFESSIONAL ENGINEER

DATE
REVISION
NO.

DRAWN: PLR
CHK'D: JMJ
DESIGNED: PLR
APPRV'D: JMJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

MORROW COUNTY CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD MT GILEAD, OHIO 43338

ELECTRICAL ONE-LINE DIAGRAM

DRAWING NUMBER E7.1
ELECTRICAL

LUMINAIRE SCHEDULE

TYPE	DIMENSIONS	MOUNTING	CONSTRUCTION AND FINISH	DESCRIPTION AND OPTIONS	LAMPS	DRIVER(S)	VOLTAGE/LOAD	APPROVED MANUFACTURER(S)
R1	2' x 2' MAX 4.87" DEEP	RECESSED	16 GA STEEL, FORMED STEEL, WHITE POLYSTER POWDER COAT FINISH	RECESSED SECURITY LED, .187" PRISMATIC POLY, .375" CLEAR POLY LENS, CONCEALED INTERNAL PIANO HINGE, WHITE FINISH, MIN 4500 LUMENS, FIXTURE TO BE PROVIDED WITH REMOVABLE GEAR TRAY	1 INTEGRAL 4000K	1 ELECTRONIC 0 TO 10V DIMMING	MVOLT	KENALL RMCD2-TG-1/1-45L40K-DCC-DV-6/B-1-RGT-SP FAILSAFE FSR NEW STAR DURACARE 37M SERIES 22
R2	2' x 4' MAX 5.25" DEEP	RECESSED	16 GA STEEL, FORMED STEEL, ACRYLIC DIFFUSER	RECESSED SECURITY LED, .187" PRISMATIC POLY/.375" CLEAR POLY LENS, CONCEALED INTERNAL PIANO HINGE, WITH REMOVABLE GEAR TRAY, WHITE FINISH, MIN. 5000 LUMENS	1 INTEGRAL 4000K	1 ELECTRONIC 0 TO 10V DIMMING	MVOLT	KENALL RMCD4-TG-1/1-45L40K-DCC-DV-6/B-1-RGT-SP FAILSAFE FMR NEW STAR DURACARE 37M 24 SERIES
R2A	2' x 4' MAX 5.25" DEEP	RECESSED	16 GA STEEL, FORMED STEEL, ACRYLIC DIFFUSER	RECESSED SECURITY LED, .187" PRISMATIC POLY/.375" CLEAR POLY LENS, CONCEALED INTERNAL PIANO HINGE, WITH REMOVABLE GEAR TRAY, FACTORY PROVIDED GTD, WHITE FINISH, MIN. 5000 LUMENS	1 INTEGRAL 4000K	1 ELECTRONIC 0 TO 10V DIMMING	MVOLT	KENALL RMCD4-TG-1/1-45L40K-DCC-DV-6/B-1-RGT-GTD-SP FAILSAFE FMR NEW STAR DURACARE 37M 24 SERIES
R3	2' x 4' MAX 5.25" DEEP	RECESSED	16 GA STEEL, FORMED STEEL, ACRYLIC DIFFUSER	RECESSED SECURITY LED, .187" PRISMATIC POLY/.375" CLEAR POLY LENS, CONCEALED INTERNAL PIANO HINGE, AMBER 2700K 500 LUMEN FULL LENGTH NIGHT LIGHT, REMOVABLE GEAR TRAY, WHITE FINISH, MIN. 5000 LUMENS	1 INTEGRAL 4000K	1 ELECTRONIC 0 TO 10V DIMMING, 1 ELECTRONIC NL	MVOLT	KENALL RMCD4-TG-1/1-45L40K-DCC-DV-6/B-1-DLN27K-RGT-SP FAILSAFE FMR NEW STAR DURACARE 37M 24 SERIES
R3A	2' x 4' MAX 5.25" DEEP	RECESSED	16 GA STEEL, FORMED STEEL, ACRYLIC DIFFUSER	RECESSED SECURITY LED, .187" PRISMATIC POLY/.375" CLEAR POLY LENS, CONCEALED INTERNAL PIANO HINGE, AMBER 2700K 500 LUMEN FULL LENGTH NIGHT LIGHT, REMOVABLE GEAR TRAY, FACTORY PROVIDED GTD, WHITE FINISH, MIN. 5000 LUMENS	1 INTEGRAL 4000K	1 ELECTRONIC 0 TO 10V DIMMING, 1 ELECTRONIC NL	MVOLT	KENALL RMCD4-TG-1/1-45L40K-DCC-DV-6/B-1-DLN27K-RGT-GTD-SP FAILSAFE FMR NEW STAR DURACARE 37M 24 SERIES
S1	APPROX. 9" x 4' 4" DEEP	SUSPENDED	ALUMINUM AND STEEL, ALUMINUM FRAME WITH STEEL CHANNEL, MATTE WHITE FINISH	PREMIUM LED INDUSTRAIL MINIMUM 10% UPLIGHT, ACRYLIC LENS, MINIMUM 5000 LUMENS,PROVIDE AIR CRAFT CABLE SUSPENSION KIT	1 INTEGRAL 4000K	1 ELECTRONIC 0 TO 10V DIMMING	MVOLT	ILP SS STRIP 3.0 - SS4/3L/4L/5L-U-CCTS-FRL DAYBRITE LBX UD LITHONIA MSL
S2	2' x 4' MAX 5.25" DEEP	SURFACE	16 GA STEEL, COLD ROLLED, WHITE POLYSTER POWDER COAT FINISH	SURFACE MOUNTED SECURITY LED, .187" PRISMATIC POLY, .375" CLEAR POLY LENS, CONCEALED INTERNAL PIANO HINGE, AMBER 2700K 500 LUMEN FULL LENGTH NIGHT LIGHT, WHITE FINISH, MIN 7000 LUMENS, FIXTURE TO BE PROVIDED WITH REMOVABLE GEAR TRAY	1 INTEGRAL 4000K	1 ELECTRONIC 0 TO 10V DIMMING, 1 ELECTRONIC NL	MVOLT	KENALL SDA-4-0/0-45L40K-DCC-DV-6/B-1-DLN27K-RGT-SP OR EQUAL
W1	6" H x 13" W x 10" D	WALL MOUNTED	DIE CAST ALUMINUM, BLACK	EXTERIOR LED WALL PACK, 4000K, 80 CRI, 2000 LUMENS, 13 WATTS	1 INTEGRAL 4000K	1 ELECTRONIC	MVOLT	LITHONIA DSXW1-P1-40K-80CRI-T2M-MVOLT-SRM MCGRAW GKO
W2	6" H x 13" W x 10" D	WALL MOUNTED	DIE CAST ALUMINUM, BLACK	EXTERIOR LED WALL PACK, 4000K, 80 CRI, 9000 LUMENS, 75 WATT	1 INTEGRAL 4000K	1 ELECTRONIC	MVOLT	LITHONIA DSXW1-P6-40K-80CRI-TFTM-MVOLT-SRM MCGRAW GKO
X1	1' X 7 5/8", 2" DEEP	WALL MOUNTED	THERMOPLASTIC	THERMOPLASTIC LED EXIT SIGN, WALL MOUNTED, RED LETTERS	LED	1 ELECTRONIC	MVOLT	LITHONIA EXRG M6-RED-277 SURELITES APX
X2	1' X 7 5/8", 2" DEEP	WALL MOUNTED	14 GAUGE COLD ROLLED STEEL, ONE PIECE DIE FORMED HOUSING, CONTINUOUS SEAM WELDED, MATTE WHITE FINISH	CORRECTIONAL GRADE WALL MOUNTED LED EXIT SIGN, RED LETTERS, TORX FASTENERS	LED	1 ELECTRONIC	MVOLT	KENALL MMEX-1-0-R-DT-1 OR EQUAL

LIGHTING CONTROL SCHEDULE

DESCRIPTION	LUMINAIRE TYPE	TARGET FOOTCANDLE	CONTROL SOURCE LOCAL/NETWORK	MANUAL SWITCH	LV SWITCHING	LV DIMMING	PRESET STATION	TIME CLOCK	OCCUPANCY SENSOR	VACANCY SENSOR	OS/VS TIME OUT	DAYLIGHT HARVESTING	WALL STATION NOTES	SEQUENCE NOTES
D101 - CHASE	SUSPENDED LED	30	LOC	X						X	15		N/A	2
D102 - CORRIDOR	RECESSED LED	30	LOC						X		15		N/A	4
D103 - VESTIBULE	RECESSED LED	30	LOC						X		15		N/A	4
D104 - OBSERVATION	RECESSED LED	35	LOC			X				X	15		LV2	6
D105 - DAY ROOM, D118-D119 SHOWERS	RECESSED LED	35	NET									X	N/A	7
D106-D117	SURFACE LED	25	NET										N/A	7
D120 - MECH	SUSPENDED LED	35	LOC										N/A	2
C125 - SEC. ELEC EQUIP	SUSPENDED LED	25	LOC							X	15		N/A	2
C122 - SHERIFF OFFICE	EXISTING LTG	35	LOC		X					X	15		LV	2
C124 - MENS DORM	RECESSED LED	35	LOC	X									N/A	3
EXTERIOR WALL PACKS	WALL MOUNTED	2	NET					X					N/A	7

SEQUENCE OF OPERATION NOTES

NOTES:

	1	CORRIDOR/LOBBY DIM TO 50% WHEN UNOCCUPIED, 100% LIGHT WHEN OCCUPIED
	2	MANUAL ON / AUTOMATIC OFF
	3	MANUAL ON / MANUAL OFF
	4	AUTO ON / AUTOMATIC OFF (100% LIGHT POWER AUTOMATIC ON)
	5	MANUAL ON / AUTOMATIC OFF; DAYLIGHT HARVESTING IN WINDOW ZONE; MANUAL DIMMING IN EACH ZONE
	6	MANUAL ON / AUTOMATIC OFF; MANUAL DIMMING
	7	GUI/NETWORK CONTROLLED ON/OFF

WALL STATION OPERATION

TYPE	DESCRIPTION					
LV	2 BUTTON, SINGLE ZONE, ON/OFF					
	B1: ON 100%	B2: ALL OFF				
LV2	3 BUTTON, SINGLE ZONE, ON/OFF, RAISE/LOWER					
	B1: ON 100%/OFF	B2: RAISE	B3: LOWER			
LV3	6 BUTTON, TWO ZONE, ON/OFF, RAISE/LOWER					
	B1: ZONE 'a' ON 100%/OFF	B2: ZONE 'a' RAISE	B3: ZONE 'a' LOWER	B4: ZONE 'b' ON 100%/OFF	B5: ZONE 'b' RAISE	B6: ZONE 'b' LOWER

RELAY PANEL (RP1) SCHEDULE (PROVIDED BY DIV 26)

RELAY #	DEVICE	DEVICE LOCATION	CIRCUIT	VOLTAGE
1	LIGHTS	CELL NIGHT LIGHT	LEM-27	277V
2	LIGHTS	D106 CELL LTG	LS1-7	277V
3	LIGHTS	D107 CELL LTG	LS1-7	277V
4	LIGHTS	D108 CELL LTG	LS1-7	277V
5	LIGHTS	D109 CELL LTG	LS1-7	277V
6	LIGHTS	D110 CELL LTG	LS1-7	277V
7	LIGHTS	D111 CELL LTG	LS1-7	277V
8	LIGHTS	D112 CELL LTG	LS1-7	277V
9	LIGHTS	D113 CELL LTG	LS1-7	277V
10	LIGHTS	D114 CELL LTG	LS1-7	277V
11	LIGHTS	D115 CELL LTG	LS1-7	277V
12	RCPT	DAYROOM	PEM-1	120V
13	RCPT	ADA CELL D106	PEM-2	120V
14	RCPT	ADA CELL D107	PEM-3	120V
15	LIGHTS	D116 CELL LTG	LS1-7	277V
16	LIGHTS	D117 CELL LTG	LS1-7	277V
17	LIGHTS	DAYROOM NL	LEM-25	277V
18	LIGHTS	DAYROOM LTG	LEM-25	277V
19	LIGHTS	EXTERIOR WALL LTG	LEM-26	277V
20	LIGHTS	MENS DORM NL	LEM-35	277V

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09/25/2026
PHILLIP L
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E-76926
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: PLR
DESIGNED: PLR
APPRV'D: JMJ
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DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
101 HOME RD

ELECTRICAL SCHEDULES

DRAWING NUMBER E7.2
ELECTRICAL

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Branch Panel: PP1

Location: | **Supply From:** T-PP1 | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: | **Mains Type:** MCB | **Mains Rating:** 225 A | **MCB Rating:** 200 A

Notes:

CKT	Wire Size	Circuit Description	Trip	Brkr Opt	A		B		C		Brkr Opt	Trip	Circuit Description	Wire Size	CKT
1	12	RCPT - CORRIDOR	20 A		0.72	0.36						20 A	RCPT - CHASE D118	12	2
3	10	RCPT - EXTERIOR	20 A				0.90	3.00							4
5	--	SPARE	20 A	--					0.00	3.00		60 A	GENERATOR PANEL	4	6
7	12	RCPT - CHASE D118	20 A		0.54	3.00									8
9	10	RCPT - ROOF	20 A				0.36	0.00			--	20 A	SPARE	--	10
11	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	12
13	--	SPARE	20 A	--	0.00	0.00					--	20 A	SPARE	--	14
15	--	SPARE	20 A	--			0.00	0.00			--	20 A	SPARE	--	16
17	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	18
19	--	SPACE	--	--	--	--					--	--	SPACE	--	20
21	--	SPACE	--	--			--	--			--	--	SPACE	--	22
23	--	SPACE	--	--					--	--	--	--	SPACE	--	24
25	--	SPACE	--	--	--	--					--	--	SPACE	--	26
27	--	SPACE	--	--			--	--			--	--	SPACE	--	28
29	--	SPACE	--	--					--	--	--	--	SPACE	--	30
31	--	SPACE	--	--	--	--					--	--	SPACE	--	32
33	--	SPACE	--	--			--	--			--	--	SPACE	--	34
35	--	SPACE	--	--					--	--	--	--	SPACE	--	36
37	--	SPACE	--	--	--	--					--	--	SPACE	--	38
39	--	SPACE	--	--			--	--			--	--	SPACE	--	40
41	--	SPACE	--	--					--	--	--	--	SPACE	--	42
			Total Load:		4.62 kVA		4.26 kVA		3.00 kVA						
			Total Amps:		40 A		37 A		25 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Power	9000 VA	100.00%	9000 VA		
Receptacle	2880 VA	100.00%	2880 VA	**Total Conn. Load:**	11880 VA
				Total Est. Demand:	11880 VA
				Total Conn.:	33 A
				Total Est. Demand:	33 A

Branch Panel: PS1

Location: | **Supply From:** T-PS1 | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: | **Mains Type:** MCB | **Mains Rating:** 100 A | **MCB Rating:** 100 A

Notes: 'LO' - DENOTES LOCK ON CIRCUIT BREAKER

CKT	Wire Size	Circuit Description	Trip	Brkr Opt	A		B		C		Brkr Opt	Trip	Circuit Description	Wire Size	CKT
1	12	GAS SHUT OFF	20 A	LO	0.15	0.40									2
3	12	SMOKE DAMPER	20 A	LO			0.30	0.40				20 A	SEF-1	10	4
5	12	SMOKE DAMPER	20 A	LO					0.10	0.40					6
7	12	SMOKE DAMPER	20 A	LO	0.10	0.00					--	20 A	SPARE	--	8
9	12	SMOKE DAMPER	20 A	LO			0.40	0.00			--	20 A	SPARE	--	10
11	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	12
13	--	SPARE	20 A	--	0.00	0.00					--	20 A	SPARE	--	14
15	--	SPARE	20 A	--			0.00	0.00			--	20 A	SPARE	--	16
17	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	18
19	--	SPACE	--	--	--	--					--	--	SPACE	--	20
21	--	SPACE	--	--			--	--			--	--	SPACE	--	22
23	--	SPACE	--	--					--	--	--	--	SPACE	--	24
25	--	SPACE	--	--	--	--					--	--	SPACE	--	26
27	--	SPACE	--	--			--	--			--	--	SPACE	--	28
29	--	SPACE	--	--					--	--	--	--	SPACE	--	30
			Total Load:		0.65 kVA		1.10 kVA		0.50 kVA						
			Total Amps:		6 A		9 A		4 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Power	2250 VA	100.00%	2250 VA		
				Total Conn. Load:	2250 VA
				Total Est. Demand:	2250 VA
				Total Conn.:	6 A
				Total Est. Demand:	6 A

Branch Panel: LS1

Location: | **Supply From:** ATS-LS | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 480/277 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: | **Mains Type:** MCB | **Mains Rating:** 225 A | **MCB Rating:** 200 A

Notes:

CKT	Wire Size	Circuit Description	Trip	Brkr Opt	A		B		C		Brkr Opt	Trip	Circuit Description	Wire Size	CKT
1					0.65	0.31						20 A	EM LTG - CORRIDOR	10	2
3	6	T-PS1	50 A				1.10	0.18				20 A	EM LTG - CHASE/MECH	10	4
5									0.50	2.03		20 A	EM LTG - DAY ROOM	10	6
7	10	LTG - PRIMARY CELL	20 A		0.55	0.33									8
9	10	C124 - EMERGENCY LTG	20 A				0.26	0.33				15 A	SEF-2	12	10
11	--	SPARE	20 A	--					0.00	0.33					12
13	--	SPARE	20 A	--	0.00	0.00					--	20 A	SPARE	--	14
15	--	SPARE	20 A	--			0.00	0.00			--	20 A	SPARE	--	16
17	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	18
19	--	SPARE	20 A	--	0.00	0.00					--	20 A	SPARE	--	20
21	--	SPARE	20 A	--			0.00	0.00			--	20 A	SPARE	--	22
23	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	24
25	--	SPARE	20 A	--	0.00	0.00					--	20 A	SPARE	--	26
27	--	SPARE	20 A	--			0.00	0.00			--	20 A	SPARE	--	28
29	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	30
			Total Load:		1.85 kVA		1.87 kVA		2.86 kVA						
			Total Amps:		7 A		7 A		10 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Lighting	896 VA	100.00%	896 VA		
Power	5675 VA	100.00%	5675 VA	**Total Conn. Load:**	6571 VA
				Total Est. Demand:	6571 VA
				Total Conn.:	8 A
				Total Est. Demand:	8 A

Branch Panel: PEM

Location: | **Supply From:** T-PEM | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: | **Mains Type:** MCB | **Mains Rating:** 225 A | **MCB Rating:** 150 A

Notes:

CKT	Wire Size	Circuit Description	Trip	Brkr Opt	A		B		C		Brkr Opt	Trip	Circuit Description	Wire Size	CKT
1	12	RCPT - Cell via Relay	20 A		0.72	0.18						20 A	RCPT - ADA D106 VIA RELAY	12	2
3	12	RCPT - ADA D107 VIA RELAY	20 A				0.18	1.44				20 A	RCPT - SEC ELEC C122	10	4
5	12	CVC CONTROL PANEL	20 A						0.15	0.25		20 A	SEC ELEC C122 RACK	12	6
7	12	SEC ELEC C122 RACK	20 A		0.25	0.25						20 A	SEC ELEC C122 RACK	12	8
9	12	SEC ELEC C122 RACK	20 A				0.25	0.25				20 A	SEC ELEC C122 RACK	12	10
11	12	SEC ELEC C122 RACK	20 A						0.25	0.25		20 A	SEC ELEC C122 RACK	12	12
13	12	RELAY PANEL - C122	20 A		0.25	0.40						20 A	WATER MANAGEMENT	12	14
15	--	SPARE	20 A	--			0.00	2.50							16
17	12	WATER MANAGEMENT	20 A						0.40	2.50		40 A	ACCU-1	8	18
19	--	SPARE	20 A	--	0.00	0.10						20 A	SECURITY	12	20
21	--	SPARE	20 A	--			0.00	0.10				20 A	DMV-1	12	22
23	--	SPARE	20 A	--					0.00	0.18		20 A	WS-1	12	24
25	12	WS-1	20 A		0.18	0.15						20 A	WH-1	12	26
27	12	WS-1	20 A				0.18	0.15				20 A	WH-2	12	28
29	12	RCP-1	20 A						0.15	1.50		20 A	EWH-1	10	30
31	10	EWH-2	20 A		1.50	0.00					--	20 A	SPARE	--	32
33	--	SPARE	20 A	--			0.00	0.00			--	20 A	SPARE	--	34
35	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	36
37	--	SPARE	20 A	--	0.00	0.00					--	20 A	SPARE	--	38
39	--	SPARE	20 A	--			0.00	0.00			--	20 A	SPARE	--	40
41	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	42
43	--	SPARE	20 A	--	0.00	0.00					--	20 A	SPARE	--	44
45	--	SPARE	20 A	--			0.00	0.00			--	20 A	SPARE	--	46
47	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	48
49	--	SPARE	20 A	--	0.00	--					--	--	SPACE	--	50
51	--	SPARE	20 A	--			0.00	--			--	--	SPACE	--	52
53	--	SPARE	20 A	--					0.00	--	--	--	SPACE	--	54
55	--	SPACE	--	--	--	--					--	--	SPACE	--	56
57	--	SPACE	--	--			--	--			--	--	SPACE	--	58
59	--	SPACE	--	--					--	--	--	--	SPACE	--	60
			Total Load:		3.98 kVA		5.05 kVA		5.63 kVA						
			Total Amps:		33 A		43 A		48 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Cooling	5000 VA	100.00%	5000 VA		
Heating	3000 VA	100.00%	3000 VA	**Total Conn. Load:**	14660 VA
Power	3600 VA	100.00%	3600 VA	**Total Est. Demand:**	14660 VA
Receptacle	3060 VA	100.00%	3060 VA	**Total Conn.:**	41 A
				Total Est. Demand:	41 A

Branch Panel: LEM

Location: | **Supply From:** ATS-EM | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 480/277 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: | **Mains Type:** MCB | **Mains Rating:** 250 A | **MCB Rating:** 250 A

Notes:

CKT	Wire Size	Circuit Description	Trip	Brkr Opt	A		B		C		Brkr Opt	Trip	Circuit Description	Wire Size	CKT
1					3.98	1.87									2
3	4	T-PEM	70 A				5.05	1.87				15 A	DWBP-1	12	4
5									5.63	1.87					6
7					9.00	0.00					--	20 A	SPARE	--	8
9	6	RT-6	50 A				9.00	0.00			--	20 A	SPARE	--	10
11									9.00	0.00	--	20 A	SPARE	--	12
13					7.33	13.00						60 A	FPVAV-6-4	4	14
15	8	RT-5	40 A				7.33	13.00				60 A	FPVAV-6-2	4	16
17									7.33	1.40		15 A	VAV-6-1	12	18
19	12	VAV-6-3	20 A		2.70	10.00						60 A	VAV-5-2	4	20
21	6	VAV-6-5	45 A				8.00	4.80				30 A	VAV-5-3	10	22
23	4	VAV-5-1	60 A						10.00	2.78		15 A	VAV-5-4	12	24
25	10	LTG - DAYROOM	20 A		0.42	0.10						20 A	EXT WALL LTG	10	26
27	10	LTG - CELL NL	20 A				0.30	0.00			--	20 A	SPARE	--	28
29									0.80	0.00	--	20 A	SPARE	--	30
31	10	MUFFIN MONSTER	15 A		0.80	0.00					--	20 A	SPARE	--	32
33							0.80	0.00			--	20 A	SPARE	--	34
35	10	C124 - MENS DORM NL	20 A						0.45	0.00	--	20 A	SPARE	--	36
37	--	SPARE	20 A	--	0.00	0.00					--	20 A	SPARE	--	38
39	--	SPARE	20 A	--			0.00	0.00			--	20 A	SPARE	--	40
41	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	42
			Total Load:		49.21 kVA		50.15 kVA		39.26 kVA						
			Total Amps:		183 A		187 A		142 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Cooling	54000 VA	100.00%	54000 VA		
Heating	68677 VA	100.00%	68677 VA	**Total Conn. Load:**	138613 VA
Lighting	526 VA	100.00%	526 VA	**Total Est. Demand:**	138613 VA
Power	12350 VA	100.00%	12350 VA	**Total Conn.:**	167 A
Receptacle	3060 VA	100.00%	3060 VA	**Total Est. Demand:**	167 A

Branch Panel: LP1

Location: | **Supply From:** DP1 | **Mounting:** Surface | **Enclosure:** Type 1
Volts: 480/277 Wye | **Phases:** 3 | **Wires:** 4
A.I.C. Rating: | **Mains Type:** M.L.O. | **Mains Rating:** 125 A

Notes:

CKT	Wire Size	Circuit Description	Trip	Brkr Opt	A		B		C		Brkr Opt	Trip	Circuit Description	Wire Size	CKT
1	10	LTG C129,D102-104...	20 A		0.80	0.26						20 A	LTG D101 CHASE	10	2
3	10	LTG D120 MECH CHASE	20 A				0.43	0.52				20 A	C124 MENS DORM LTG	10	4
5	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	6
7	--	SPARE	20 A	--	0.00	0.00					--	20 A	SPARE	--	8
9	--	SPARE	20 A	--			0.00	0.00			--	20 A	SPARE	--	10
11	--	SPARE	20 A	--					0.00	0.00	--	20 A	SPARE	--	12
13	--	SPARE	20 A	--	0.00	--					--	--	SPACE	--	14
15	--	SPARE	20 A	--			0.00	--			--	--	SPACE	--	16
17	--	SPARE	20 A	--					0.00	--	--	--	SPACE	--	18
19	--	SPACE	--	--	--	--					--	--	SPACE	--	20
21	--	SPACE	--	--			--	--			--	--	SPACE	--	22
23	--	SPACE	--	--					--	--	--	--	SPACE	--	24
25	--	SPACE	--	--	--	--					--	--	SPACE	--	26
27	--	SPACE	--	--			--	--			--	--	SPACE	--	28
29	--	SPACE	--	--					--	--	--	--	SPACE	--	30
			Total Load:		1.06 kVA		0.95 kVA		0.00 kVA						
			Total Amps:		4 A		4 A		0 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Lighting	2006 VA	100.00%	2006 VA		
				Total Conn. Load:	2006 VA
				Total Est. Demand:	2006 VA
				Total Conn.:	2 A
				Total Est. Demand:	2 A

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STATE OF OHIO
09/25/2026
PHILLIP L. REISMAN
E-46926
PROFESSIONAL ENGINEER

NO.	REVISION	DATE
1		

DRAWN: PLR | CHK'D: JMJ
DESIGNED: PLR | APPR'D: JMJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

ELECTRICAL SCHEDULES

DRAWING NUMBER E7.3 ELECTRICAL

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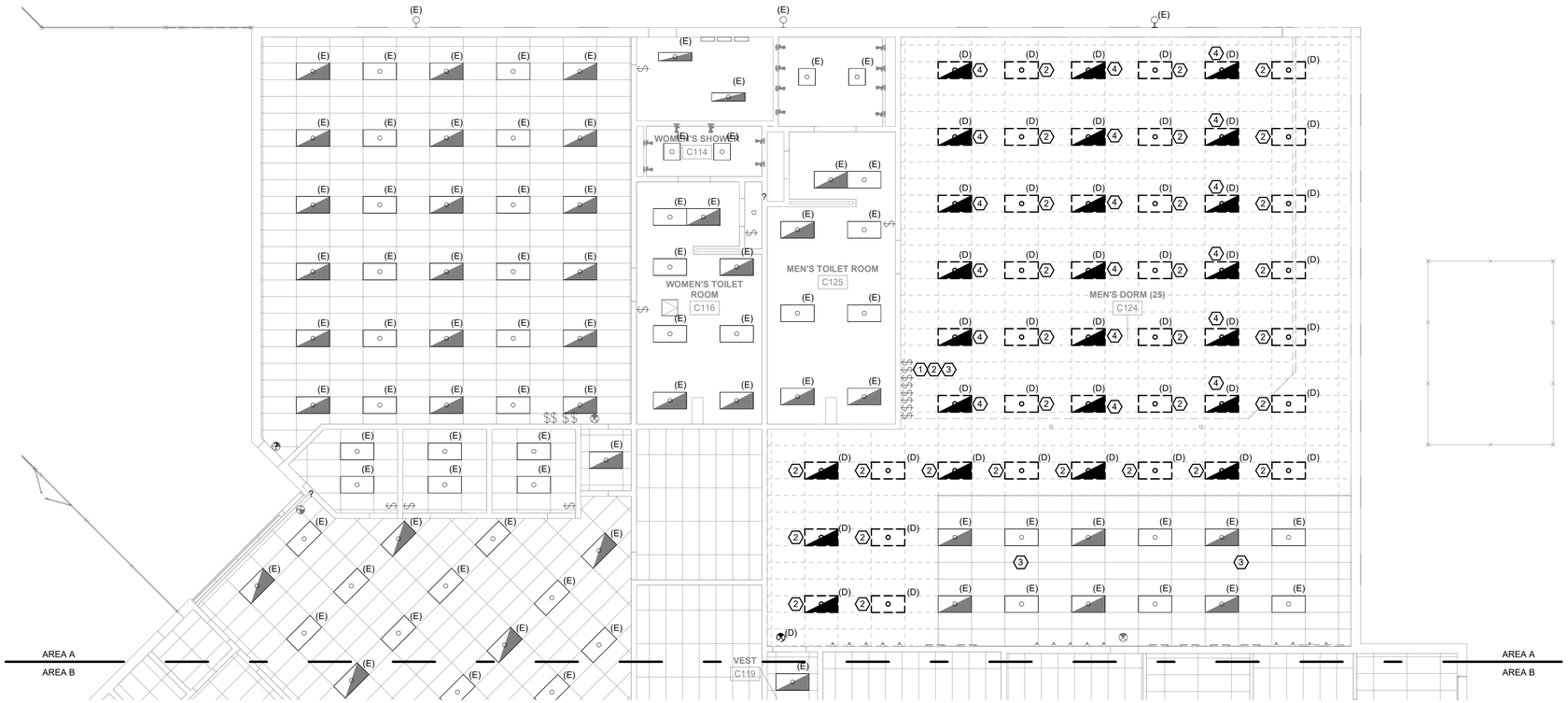


1 **FIRST FLOOR LIGHTING REMOVAL PLAN - AREA A**
SCALE: 1/8" = 1'-0"

NORTH

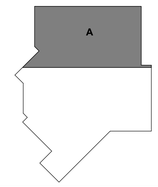
GENERAL SHEET NOTES:

1. CONTINUITY OF CIRCUITS INTERRUPTED BY REMOVAL OF ELECTRICAL DEVICES SHALL BE MAINTAINED. PROVIDE JUNCTION BOXES, CONDUIT AND WIRING EXTENSIONS AS REQUIRED.
2. DASHED SYMBOLS INDICATE DEVICES AND EQUIPMENT TO BE REMOVED. UNLESS NOTED OTHERWISE.
3. COORDINATE WITH OWNER FOR ANY DEMOLISHED ITEMS THAT ARE TO BE SALVAGED.
4. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL BE PERMITTED TO REUSE EXISTING PATHWAYS FOR NEW BRANCH CIRCUITING WHERE FEASIBLE.
5. EXISTING CONDITIONS SHOWN ON THESE DRAWINGS HAVE BEEN TAKEN FROM A COMBINATION OF FIELD INVESTIGATIONS AND INFORMATION OBTAINED FROM REVIEW OF EXISTING DRAWINGS. CONTRACTOR SHALL VERIFY EXACT CONDITIONS IN FIELD.

⬡SHEET NOTES:

1. SWITCH BANK TO BE EXISTING TO REMAIN. PROTECT DURING DEMOLITION PHASE FOR RE-USE IN NEW WORK PHASE.
2. FIXTURE TO BE DEMOLISHED. DEMOLISH CONDUIT, WIRING, AND SWITCHING. ANY SWITCH LEG REMOVED FROM SWITCH BANK, PROVIDE BLANK COVER PLATE.
3. FIXTURES THIS AREA TO BE EXISTING TO REMAIN. PROTECT EXISTING SWITCHING, WIRING, CONDUIT, AND CIRCUITS DURING DEMOLITION PHASE FOR RE-USE IN NEW WORK PHASE. REMOVE EXISTING SWITCH LEG FROM SWITCH BANK. PROVIDE BLANK COVER PLATE FOR ANY SWITCHING REMOVED. SEE SHEET E1.1 FOR NEW LOCATION OF SWITCH.
4. FIXTURE TO BE DEMOLISHED. EXISTING SWITCHING TO BE REUSED. PROTECT DURING DEMOLITION PHASE OF WORK. EXISTING CIRCUIT AND CONDUIT TO BE DEMOLISHED. SEE SHEET E1.1 FOR MORE INFORMATION.

KEYPLAN



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09/25/2026
PHILLIP L
KESSLER
E-76926
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: PLR | CHK'D: JMU
DESIGNED: PLR
APPRV'D: JMU
DATE: SEPTEMBER, 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

FIRST FLOOR LIGHTING REMOVAL PLAN - AREA A

DRAWING NUMBER ED1.1
ELECTRICAL

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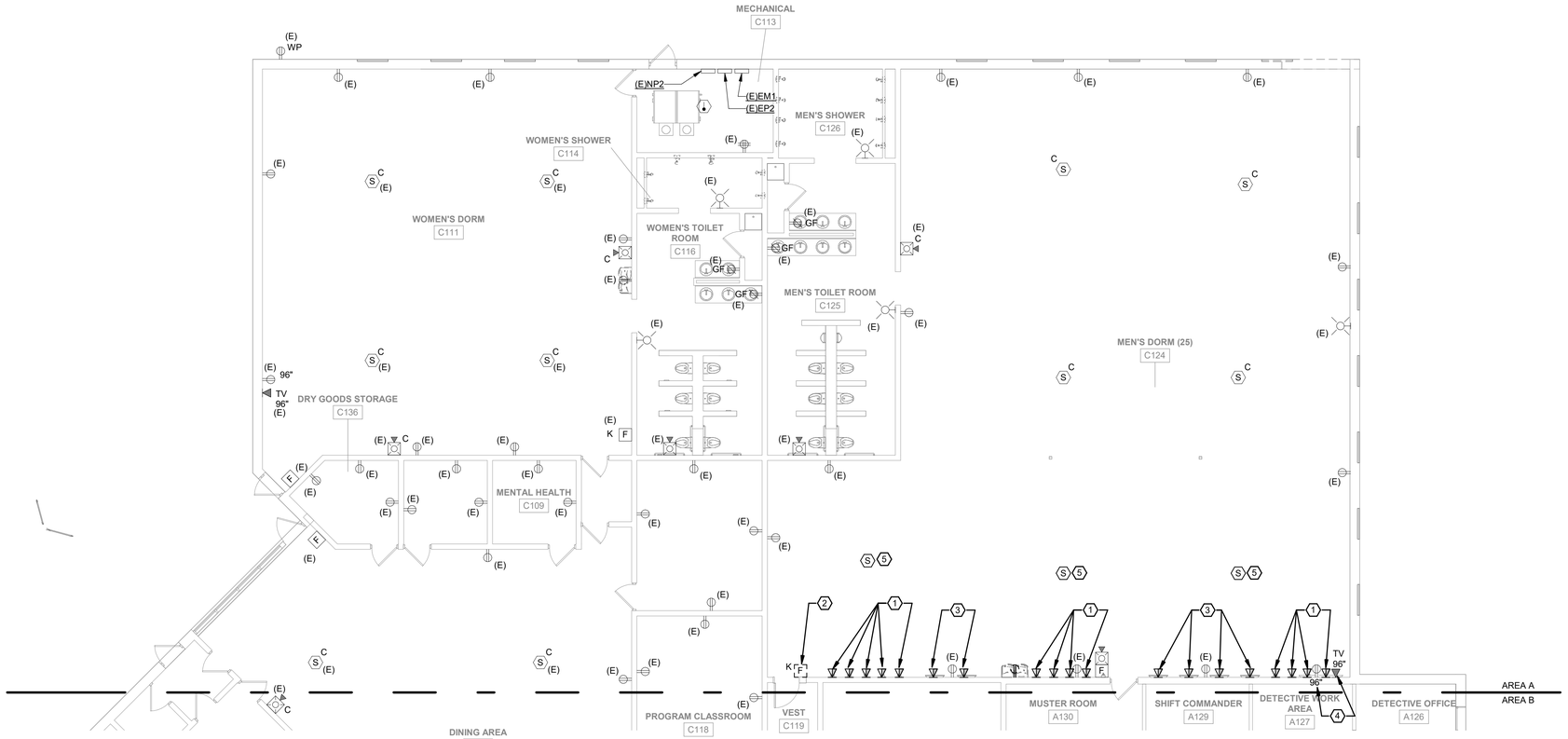


FIRST FLOOR POWER AND SYSTEMS REMOVAL PLAN -AREA A

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

NORTH

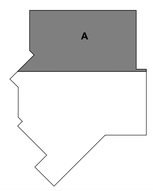
GENERAL SHEET NOTES:

1. CONTINUITY OF CIRCUITS INTERRUPTED BY REMOVAL OF ELECTRICAL DEVICES SHALL BE MAINTAINED. PROVIDE JUNCTION BOXES, CONDUIT AND WIRING EXTENSIONS AS REQUIRED.
2. DASHED SYMBOLS INDICATE DEVICES AND EQUIPMENT TO BE REMOVED. UNLESS NOTED OTHERWISE.
3. COORDINATE WITH OWNER FOR ANY DEMOLISHED ITEMS THAT ARE TO BE SALVAGED.
4. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL BE PERMITTED TO REUSE EXISTING PATHWAYS FOR NEW BRANCH CIRCUITING WHERE FEASIBLE.
5. EXISTING CONDITIONS SHOWN ON THESE DRAWINGS HAVE BEEN TAKEN FROM A COMBINATION OF FIELD INVESTIGATIONS AND INFORMATION OBTAINED FROM REVIEW OF EXISTING DRAWINGS. CONTRACTOR SHALL VERIFY EXACT CONDITIONS IN FIELD.

⬡SHEET NOTES:

1. INMATE TELEPHONE TO BE RELOCATED. REFER TO E2.1 FOR NEW LOCATION. PROVIDE STAINLESS STEEL BLANK COVERPLATE.
2. FIRE ALARM PULLSTATION TO BE REMOVED. REMOVE WIRING/CONDUIT COMPLETELY BACK TO SOURCE.
3. INMATE VIDEO TO BE RELOCATED. REFER TO E2.1 FOR NEW LOCATION. PROVIDE STAINLESS STEEL BLANK COVERPLATE.
4. EXISTING TV RECEPTACLE AND CATV OUTLET TO REMAIN.
5. EXISTING SMOKE DETECTOR TO BE REMOVED.

KEYPLAN



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PHILLIP L
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PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: PLR
DESIGNED: PLR
CHK'D: JMJ
APPRV'D: JMJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS

FIRST FLOOR POWER AND SYSTEMS REMOVAL PLAN - AREA A

DRAWING NUMBER ED2.1 ELECTRICAL

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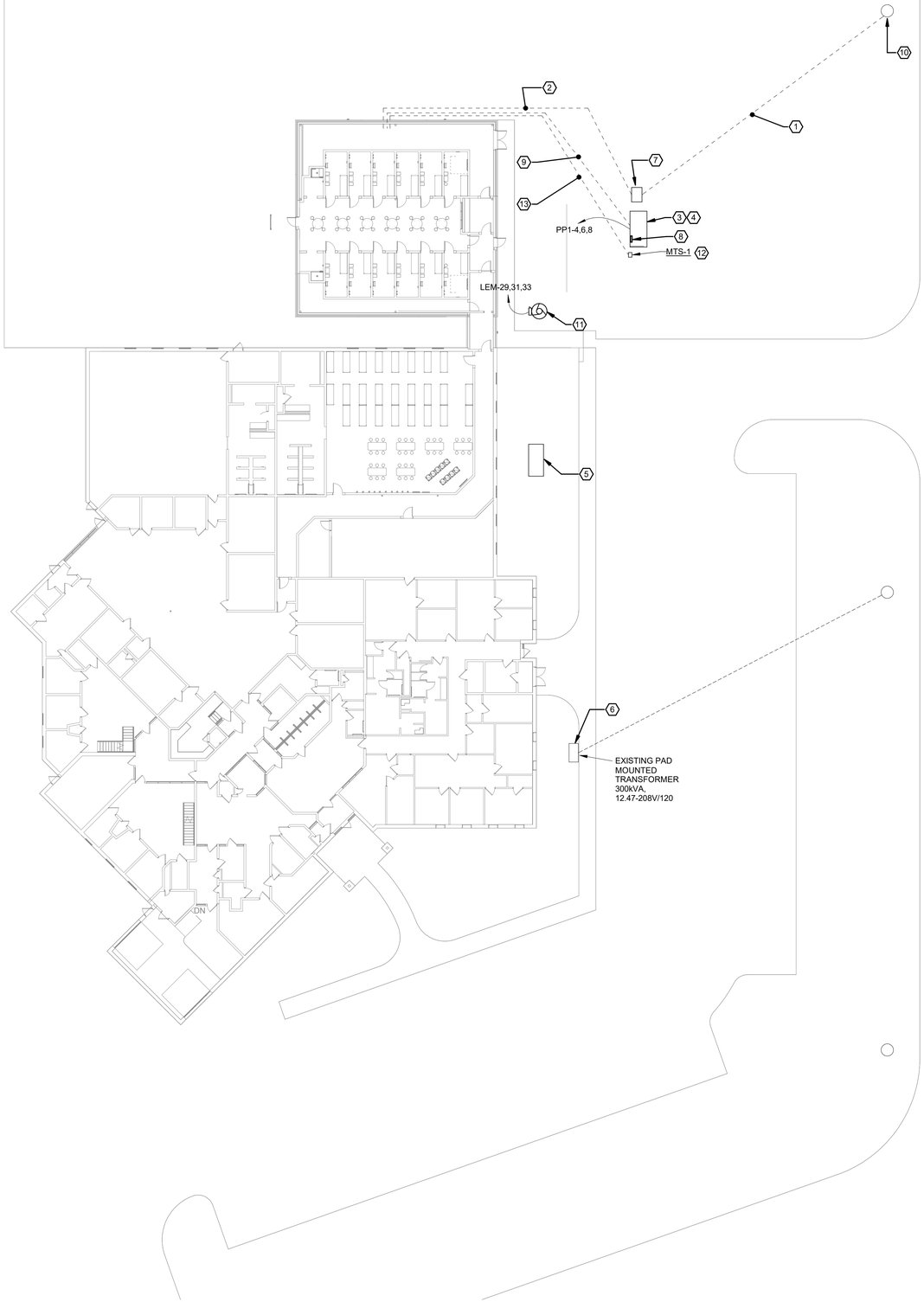

1 **SITE PLAN - ELECTRICAL**
SCALE: 1" = 20'-0"
NORTH

GENERAL SHEET NOTES:

1. PFOPOSED CONDUIT ROUTING IS DIAGRAMATIC. ELECTRICAL CONTRACTOR SHALL DETERMINE EXACT ROUTING.
2. REFER TO ONE-LINE DIAGRAMS AND FEEDER SCHEDULES FOR CONDUCTOR QUANTITIES AND SIZES.
3. REFER TO DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS.
4. COORDINATE ALL CONDUIT ROUTING AND EQUIPMENT LOCATIONS PRIOR TO ROUGH IN WITH CIVIL ENGINEER AND ARCHITECT.

⬡SHEET NOTES:

1. PROVIDE (2) 5" CONDUITS AND STUB UP NEXT TO UTILITY POLE. COORDINATE WITH UTILITY COMPANY EXACT REQUIREMENTS PRIOR TO START OF CONSTRUCTION.
2. CONDUITS TO RUN UNDERGROUND AND STUBBED UP INTO DISTRIBUTION PANEL BOARD 'DP1'. REFER TO FLOOR PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.
3. 250kW GENERATOR - DIESEL, SUB-BASE FUEL TANK. PROVIDE WITH OUTDOOR ENCLOSURE.
4. PROVIDE CONCRETE PAD FOR GENERATOR.
5. EXISTING GENERATOR TO REMAIN
6. EXISTING PAD MOUNTED UTILITY TRANSFORMER TO REMAIN, 300kVA, 12.47-208V/120.
7. PAD MOUNTED UTILITY TRANSFORMER - 12.47-480V/277V. COORDINATE WITH UTILITY COMPANY ON REQUIREMENTS OF TRANSFORMER. ELECTRICAL CONTRACTOR RESPONSIBILE FOR CONCRETE PAD. COORDINATE REQUIREMENTS WITH UTILITY PROVIDED.
8. PROVIDE 208/120V, 3PH, 4-WIRE, 100A LOAD CENTER PANEL WITH 60A/3P MAIN CIRCUIT BREAKER FOR POWERING BATTERY CHARGER, CRANKCASE HEATER, MAINTENANCE LIGHTS, RECEPTACLES, AND ELECTRIC UNIT HEATER. COORDINATE EXACT LOCATION OF PANEL AND CONDUIT STUB UP IN THE FIELD WITH GENERATOR ENCLOSURE DELIVERED TO THE SITE.
9. PROVIDE POWER AND CONTROL RACEWAYS BETWEEN GENERATOR ENCLOSURE AND AUTOMATIC TRANSFER SWITCH. REFER TO ONE-LINE FOR POWER RACEWAY AND CONDUCTOR REQUIREMENTS. COORDINATE REQUIREMENTS FOR GENERATOR START AND CONTROL SIGNALS TO TRANSFER SWITCH. PROVIDE SPARE 1" CONDUIT FOR FUTURE USE. PROVIDE FLEXIBLE CONNECTIONS BETWEEN CONDUIT ENTRIES INTO GENERATOR ENCLOSURE AND BETWEEN GENERATOR ENCLOSURE AND GENERATOR UNIT INSIDE OF THE ENCLOSURE.
10. EXISTING SITE UTILITY POLE. CONFIRM WITH UTILITY EXACT REQUIREMENTS FOR NEW UTILITY SERVICE, 480V/277V, 3PH, 4-WIRE.
11. GRINDER PUMP - 3 HP, 480V, 3.4A. PROVIDE NEMA 3R DISCONNECT FOR GRINDER PUMP (PUMP INSIDE MANHOLE). MAKE FINAL CONNECTION. COORDINATE LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.
12. COORDINATE LOCATION OF MANUAL TRANSFER SWITCH PRIOR TO ROUGH-IN. REFER TO MANUFACTURER DIRECTIONS AND PROVIDE WIRING AND CONDUIT FROM MTS TO GENERATOR. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.
13. CONDUITS TO RUN UNDERGROUND AND STUBBED UP INTO ATS (AUTOMATIC TRANSFER SWITCH). REFER TO FLOOR PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.

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PHILLIP L
REISNER
E-76926
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: PLR | CHK'D: JMJ
DESIGNED: PLR
APPRV'D: JMJ
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION & RENOVATIONS
ELECTRICAL SITE PLAN

DRAWING NUMBER ES1.1
ELECTRICAL

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - v23 - E.rvt
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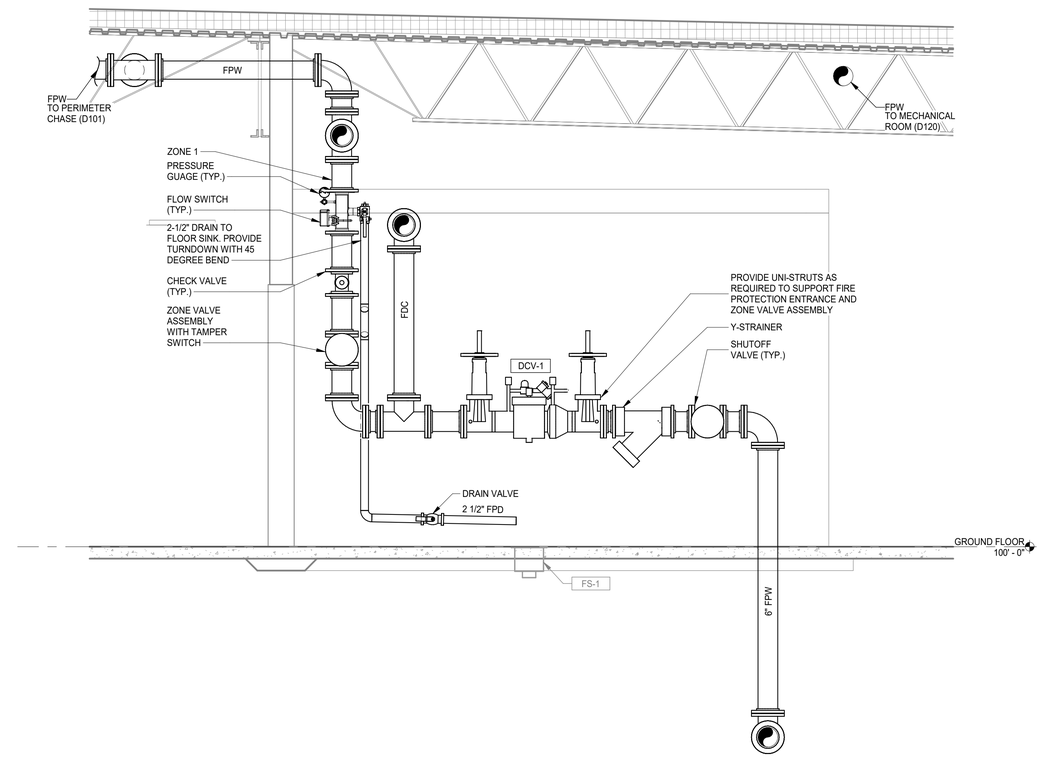
FLOW TEST DATA	
DATE:	APRIL 3, 2025
STATIC PRESSURE:	55 PSI
RESIDUAL PRESSURE AT RESIDUAL FLOW:	44 PSI

FIRE PROTECTION BASIS OF DESIGN	
OCCUPANCY/CONSTRUCTION TYPE	- A3, B, & S2
GPMxSF REQUIRED	- 0.10x1500 & 0.15x1500
SPRINKLER DURATION	- 30 MINUTES
MAXIMUM AREA PER ZONE	- 52,000SF
FLOW ZONE WITH HOSE CONNECTION	- 325 GPM

BACKFLOW PREVENTER SCHEDULE

TAG	Description	MANUFACTURER	NOTES
DCV-1	DOUBLE CHECK VALVE DETECTOR ASSEMBLY BACKFLOW PREVENTER - MAIN BODY AND ACCESS COVER SHALL BE EPOXY COATED DUCTILE IRON (ASTM A 536 GRADE 4). THE SEAT RING AND CHECK VALVE SHALL BE NORYL, THE STEM SHALL BE STAINLESS STEEL AND THE SEAT DISC ELASTOMERS SHALL BE EPDM, OS&Y SHUT-OFF VALVES.	ZURN / WALKINS MODEL: 350 ADA 6"	5 PSI LOSS @ 325 GPM INSTALL PER MANUFACTURER REQUIREMENTS

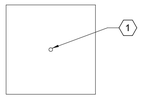


1 **FIRE MAIN ENTRANCE**
SCALE: 1/2" = 1'-0"

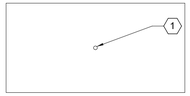
ABBREVIATIONS

AS	AUTOMATIC SPRINKLER HEAD
AHJ	AUTHORITY HAVING JURISDICTION
DN	DOWN
DWG	DRAWING
FDC	FIRE DEPARTMENT CONNECTION
FPW	FIRE PROTECTION WET PIPE SYSTEM
OS&Y	OUTSIDE SCREW & YOKE
TYP.	TYPICAL

REGULAR CEILING PANEL DETAIL

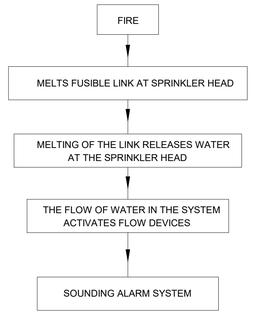


(2'-0" X 2'-0")



(4'-0" X 2'-0")

1 LOCATE SPRINKLER AT THE CENTER OF THE CEILING PANEL



WET PIPE SYSTEM

OPERATIONAL DIAGRAM

GENERAL NOTES

1. THE WET PIPE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED. DESIGN DENSITIES AND SPRINKLER HEAD COVERAGE ARE LISTED IN DIVISION 21 SPECIFICATIONS.
2. HYDRAULIC CALCULATIONS SHALL BE PREPARED IN ACCORDANCE WITH THE NFPA-13 STANDARD.
3. ALL PIPING SHALL BE CONCEALED IN AREAS WITH FINISHED CEILINGS.
4. ALL FLOW TEST DRAINS SHALL BE PIPED TO A SUITABLE DRAIN THAT DISCHARGES TO THE EXTERIOR OF THE BUILDING OR AS INDICATED ON THE DRAWINGS.
5. AUXILIARY DRAINS SHALL BE PROVIDED, WHERE REQUIRED, FOR SYSTEM DRAINAGE.
6. THE FIRE PROTECTION DEVICES SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM.
7. COORDINATE FIRE SPRINKLER WORK WITH ARCHITECTURAL (REFLECTED CEILING PLAN), ELECTRICAL (LIGHTING), HVAC (DUCTWORK AND PIPING), AND PLUMBING, BEFORE COMMENCING WORK.
8. ALL SYSTEM CONTROL VALVES SHALL BE ELECTRICALLY SUPERVISED.
9. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR COSTS, PERMIT FEES AND EQUIPMENT REQUIRED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL SPRINKLER SYSTEM, AS INDICATED IN THE CONTRACT DOCUMENTS.
10. CONTRACTOR SHALL PREPARE AND SUBMIT SPRINKLER PLANS AND PRODUCT DATA SHEETS THAT CONTAIN SUFFICIENT DETAIL FOR THE AUTHORITIES HAVING JURISDICTION TO EVALUATE THE HAZARD AND EFFECTIVENESS OF THE SPRINKLER SYSTEM.
11. INSTALLATION OF THE FIRE SUPPRESSION SYSTEM SHALL BE IN ACCORDANCE WITH NFPA STANDARDS, THE STATE OF OHIO FIRE CODE, AND OTHER LOCAL FIRE CODE AUTHORITY HAVING JURISDICTION.
12. HYDRAULIC CALCULATIONS AND SHOP DRAWINGS SUBMITTALS SHALL BE SIGNED AND STAMPED BY A QUALIFIED FIRE PROTECTION PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT.
13. ANY CONFLICTS WHICH OCCUR DUE TO LACK OF COORDINATION OF THE SPRINKLER CONTRACTOR WITH OTHER DIVISIONS SHALL BE CORRECTED BY THE SPRINKLER CONTRACTOR WITH NO FURTHER EXPENSE TO OWNER.
14. SPRINKLER SYSTEM SHALL BE TESTED IN ACCORDANCE WITH THE NFPA-13 AND BY THE AUTHORITY HAVING JURISDICTION BEFORE COMMISSIONING THE SPRINKLER SYSTEMS.
15. SHUT-OFF TYPE VALVES LOCATED ABOVE THE CEILINGS SHALL BE WITHIN 36" OF THE CEILING LEVEL.
16. CONTRACTOR SHALL PROVIDE ACCESS DOORS, WHETHER SPECIFICALLY IDENTIFIED ON THE SHEETS OR NOT, IN ALL WALL AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO FIRE PROTECTION ITEMS MAY BE REQUIRED. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE / SECURITY RATING OF THE WALL / CEILING ASSEMBLY.
17. INDICATED SQUARE FOOTAGES ARE APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR PLAN DIMENSIONS.
18. ALL FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED TO DRAIN BACK TO ALARM VALVES OR DRAIN STATIONS.
19. PIPE ROUTINGS ARE DIAGRAMATIC. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ARCHITECTURAL DRAWINGS FOR UNDERSTANDING OF CEILING CONDITIONS AND WHERE PIPING IS ROUTED TO REMAIN CONCEALED IN OCCUPIED AREAS.
20. CONTRACTOR TO COORDINATE WITH DIVISION 13 SPECIFICATION FOR PREFABRICATION CELLS. LOCATIONS AND CONNECTION SIZES TO PROVIDED AS PART OF CELLS TO BE COORDINATED WITH PREFABRICATED CELL PROVIDER
21. ALL FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED TO NOT BE ROUTED OVER ELECTRICAL EQUIPMENT.
22. FIRE PROTECTION PIPING HUNG FROM STEEL ROOF JOISTS SHALL BE PLACED AT JOIST PANEL POINTS.

SYMBOLS

- FDC — FIRE DEPARTMENT CONNECTION
- FP — FIRE PROTECTION WET PIPE
- FPD — FIRE PROTECTION DRAIN
- PIPING: DOWN
- PIPING: UP
- PIPE CONTINUATION
- WATER FLOW INDICATOR
- DIRECTION OF FLOW
- UNION
- CHECK VALVE
- OS&Y VALVE WITH TAMPER SWITCHAMPER SWITCH
- DRAIN/TEST VALVE
- DOUBLE CHECK BACKFLOW PREVENTER
- SIGHT GLASS
- FIRE DEPARTMENT SIAMESE CONNECTION
- AREA A / AREA B — MATCHLINE
- SCOPE OF WORK
- FIRE PROTECTION ZONE LINES

DLZ
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DLZ Architecture, Inc.

STATE OF OHIO
KYUNG-HOON BANG
P.E.83997
REGISTERED PROFESSIONAL ENGINEER
2026.09.22 12:12:00

NO.	REVISION	DATE

DRAWN: SNJ/JW | CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS

DRAWING NUMBER FP0.1
FIRE PROTECTION

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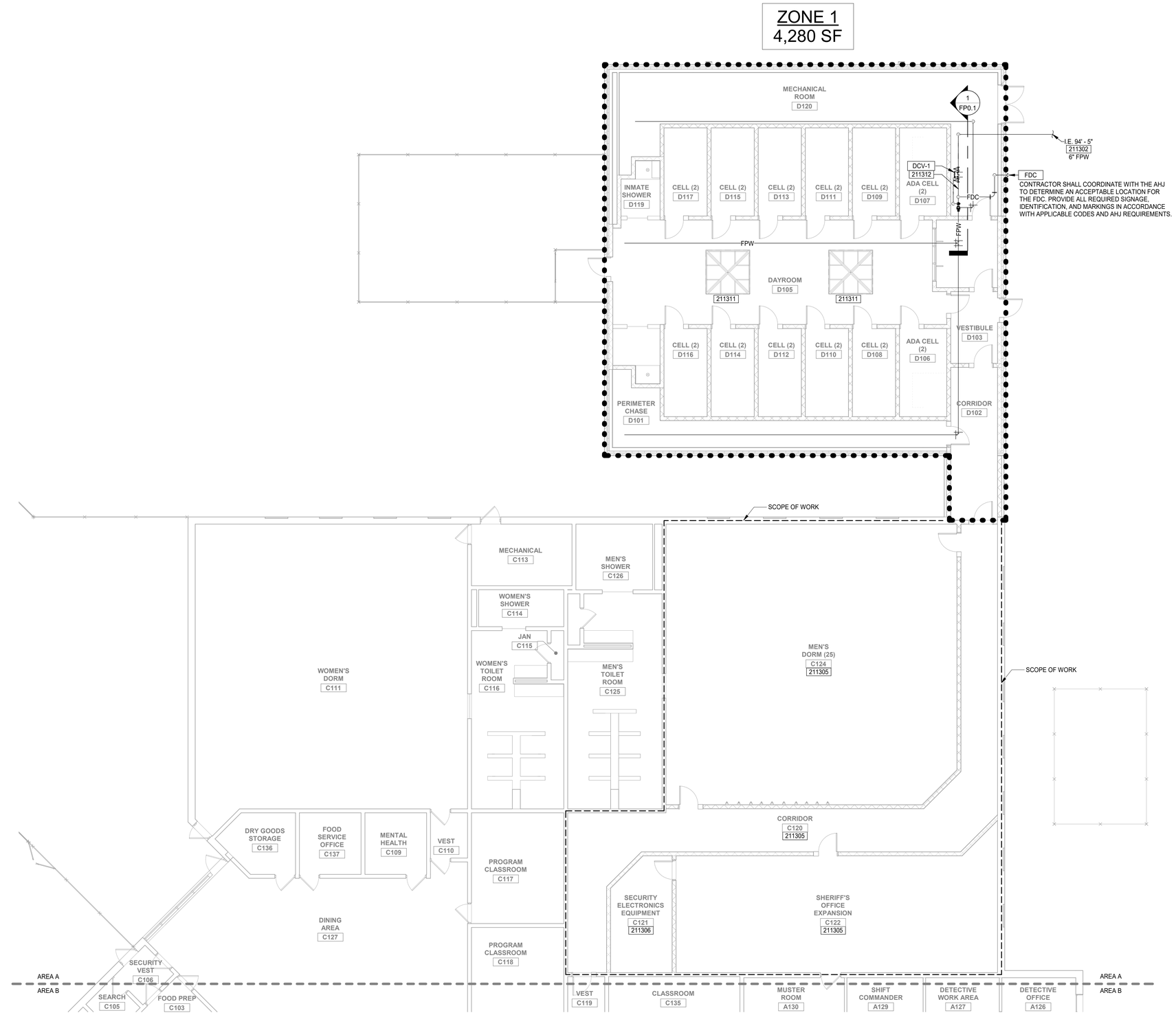


1 **FIRST FLOOR FIRE PROTECTION INSTALLATION PLAN - AREA A**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND FP0.1 FOR ADDITIONAL GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND INFORMATION.

B. SEE ARCHITECTURAL PLANS FOR SECTIONS SHOWING ELEVATIONS.

C. INSTALL ALL EQUIPMENT, FIXTURES, AND ASSOCIATED ACCESSORIES PER MANUFACTURER RECOMMENDATIONS.

D. ALL REQUIRED SHUT-OFF VALVES LOCATED ABOVE CEILINGS THROUGHOUT THE BUILDING SHALL BE WITHIN 36" OF THE CEILING.

E. COORDINATE WITH ALL DISCIPLINES BEFORE INSTALLING ANY PIPING DEVICES.

F. ALL REQUIRED SHUT-OFF VALVES IN HOUSING UNIT CHASES SHALL BE CLEARLY MARKED, LOCATED IN THE PLACE AND ACCESSIBLE WITHOUT A LADDER (TYP.).

G. PROVIDE FLEXIBLE COUPLING RATED FOR FIRE PROTECTION PIPING AT ALL PIPING ROUTED ACROSS BUILDING EXPANSION JOINTS.

H. PROVIDE SPRINKLER HEADS BELOW ALL DUCTWORK 48" AND LARGER.

I. NO EXPOSED PIPING SHALL BE INSTALLED IN SECURITY / INMATE OCCUPIED AREAS.

KEYNOTES

211302 REFER TO SITE / CIVIL FOR CONTINUATION.

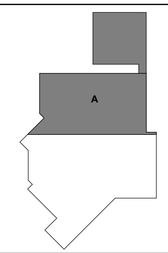
211305 THE ROUTING OF THE MAIN FIRE PROTECTION PIPING IS NOT SHOWN DUE TO LACK OF AVAILABLE AS-BUILT DOCUMENTATION. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION, SIZE, AND ELEVATION OF ALL EXISTING FIRE PROTECTION PIPING AND SPRINKLER HEADS. UPON REMOVAL OF EXISTING CEILING, PROVIDE TEMPORARY SUPPORT FOR ALL AFFECTED SPRINKLER PIPING AND HEADS. AFTER INSTALLATION OF THE NEW CEILING, ADJUST AND RELOCATE EXISTING SPRINKLER HEADS AS REQUIRED TO ACCOMMODATE THE NEW CEILING ELEVATION AND LAYOUT. INSTALL SPRINKLER HEADS IN ACCORDANCE WITH THE TYPICAL CEILING PANEL DETAIL SHOWN ON DRAWING FP0.1.

211306 THE ROUTING OF THE MAIN FIRE PROTECTION PIPING IS NOT SHOWN DUE TO LACK OF AVAILABLE AS-BUILT DOCUMENTATION. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION, SIZE, AND ELEVATION OF ALL EXISTING FIRE PROTECTION PIPING AND SPRINKLER HEADS. UPON REMOVAL OF EXISTING CEILING, PROVIDE TEMPORARY SUPPORT FOR ALL AFFECTED SPRINKLER PIPING AND HEADS. REMOVE EXISTING SPRINKLER HEADS WITHIN THE NEW SECURITY ELECTRONICS EQUIPMENT ROOM AND REPLACE WITH HIGH-TEMPERATURE SPRINKLER HEADS. RELOCATE SPRINKLER HEADS AND MODIFY ASSOCIATED PIPING AS REQUIRED TO ACCOMMODATE THE NEW ROOM LAYOUT AND EXPOSED CEILING CONDITIONS.

211311 PROVIDE HIGH TEMPERATURE HEAD(S) TO PROTECT SKYLIGHT WELL PER NFPA-13 REQUIREMENTS.

211312 PROVIDE UNI-STRUTS AS REQUIRED TO SUPPORT FIRE PROTECTION ENTRANCE AND ZONE VALVE ASSEMBLY.

KEYPLAN



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DLZ Architecture, Inc.

STATE OF OHIO
KYUNG-HOON BANG
P.E.83997
REGISTERED PROFESSIONAL ENGINEER
2026.09.22 10:22:00

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MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD

FIRST FLOOR FIRE PROTECTION PLAN - AREA A

DRAWING NUMBER FP2.1 FIRE PROTECTION

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SYMBOLS

AxB	RECTANGULAR DUCT DIMENSION
A/B	FLAT-OVAL DUCT DIMENSION
AØ	ROUND DUCT DIMENSION
	RECTANGULAR SUPPLY OR OUTSIDE AIR DUCT - UP OR DOWN
	RECTANGULAR RETURN AIR DUCT - UP OR DOWN
	RETURN/TRANSFER AIR DUCT WITH DUCT LINER
	RECTANGULAR EXHAUST AIR DUCT - UP OR DOWN
	ROUND SUPPLY OR OUTSIDE AIR DUCT - UP OR DOWN.
	ROUND RETURN AIR DUCT - UP OR DOWN.
	ROUND EXHAUST AIR DUCT - UP OR DOWN.
	SUPPLY AIR DIFFUSER (SQUARE)
	RETURN AIR GRILLE (SQUARE)
	RETURN AIR GRILLE OR EXHAUST REGISTER (RECTANGULAR)
	EXHAUST GRILLE (SQUARE)
	CONTROL DAMPER
	VOLUME DAMPER
	DISCONNECT FROM EXISTING
	CONNECT TO EXISTING
T	THERMOSTAT
TS	TEMPERATURE SENSOR
X-#	EQUIPMENT TYPE (SEE ABBREVIATIONS)
X-#	SCHEDULE #
XXXXXX	KEYNOTE
RL	REFRIGERANT LIQUID
RG	REFRIGERANT GAS
COND	CONDENSATE LINE
EX-#x# XX	DUCT REMAIN AND REUSE (IN REMOVAL DRAWINGS)
#x# XX	DUCT REMOVAL (IN REMOVAL DRAWINGS)
EX-#x# XX	PIPE REMAIN AND REUSE (IN REMOVAL DRAWINGS)
#x# XX	PIPE REMOVAL (IN REMOVAL DRAWINGS)
EX-X-#	EQUIPMENT REMAIN AND REUSE (IN REMOVAL DRAWINGS)
EX-X-#	EQUIPMENT REMOVAL (IN REMOVAL DRAWINGS)
EX-#x# XX	DUCT REMAIN AND REUSE (IN INSTALLATION DRAWINGS)
#x# XX	DUCT INSTALLATION (IN INSTALLATION DRAWINGS)
EX-#x# XX	PIPE REMAIN AND REUSE (IN INSTALLATION DRAWINGS)
#x# XX	PIPE INSTALLATION (IN INSTALLATION DRAWINGS)
EX-X-#	EQUIPMENT REMAIN AND REUSE (IN INSTALLATION DRAWINGS)
X-#	EQUIPMENT INSTALLATION (IN INSTALLATION DRAWINGS)
	SCOPE OF WORK
AREA A / AREA B	MATCHLINE

ABBREVIATIONS

° / DEG	DEGREE
Ø	DIAMETER
' / FT	FOOT / FEET
" / IN	INCH(S)
ACCU	AIR COOLED CODENSING UNIT
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
AMPS	AMPERES
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
ATC	AUTOMATIC TEMPERATURE CONTROL
B	BOILER
BHP	BRAKE HORSEPOWER
CFM	CUBIC FEET PER MINUTE
CO.	COMPANY
COND	CONDENSATE
CU	AIR CONTROL UNITS
D	DRAIN
DMV	DIGITAL MIXING VALVE
DS	DUCTLESS SPLIT
DSP	DUCT STATIC PRESSURE
DWBP	DOMESTIC WATER BOOSTER PUMP
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EFF	EFFICIENCY
ELECT.	ELECTRICAL
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWB	ENTERING WET BULB
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WALL HEATER
EX	EXISTING
F	FIRE DAMPER
FD	FLOOR DRAIN
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOW BELOW
FLA	FULL LOAD AMPERES
FPM	FEET PER MINUTE
FPVAV	FAN POWERED VARIABLE AIR VOLUME BOX
FUT	FUTURE
GAL	GALLON
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HC	HEATING COIL
HP	HORSE POWER
HR	HOUR
HTG.	HEATING
HWP	HEATING HOT WATER PUMP
I.D.	IDENTIFICATION
IH	INTAKE HOOD
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
MAX.	MAXIMUM
MBH	1000 BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN.	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
NO.	NUMBER
OA	OUTSIDE AIR
P.C.	PLUMBING CONTRACTOR
PH	PHASE
PSI.	POUNDS PER SQUARE INCH
RA	RETURN AIR
RCP	HOT WATER RECIRCULATION PUMP
RF	RELIEF AIR FAN
RH	RELIEF AIR HOOD
RM	ROOM
RPM	ROTATIONS PER MINUTE
RT	ROOF TOP UNIT
SA	SUPPLY AIR
SE	SMOKE EXHAUST
SEF	SMOKE EXHAUST FAN
SENS	SENSIBLE
SOW	SCOPE OF WORK
TA	TRANSFER AIR
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TMV	THERMOSTATIC MIXING VALVE
TS	TEMPERATURE SENSOR
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
V	VENT
VAV	VARIABLE AIR VOLUME BOX
VFD	VARIABLE FREQUENCY DRIVE
VOLTS	VOLTAGE
W.C.	WATER COLUMN
WG	WATER GAGUE
WH	WATER HEATER
W.O.	WALL OPENING
WPD	WATER PRESSURE DROP

GENERAL DEMOLITON NOTES

1. DEMOLITION PLANS ARE PROVIDED AS A GUIDE. COORDINATE DEMOLITION WITH NEW CONSTRUCTION DRAWING SHEETS, SPECIFICATIONS AND DESIGN INTENTION. ANY DEMOLITION INDICATED ON THESE DRAWINGS IS SHOWN IN GENERAL TO OR THE COMPLETE EXTENT OF REQUIRED DEMOLITION ACTIVITIES. DEMOLITION INCLUDES PROVISION OF TEMPORARY BRACING, SHORING AND SUPPORT TO ASSURE SAFE OPERATIONS AND TO MAINTAIN THE INTEGRITY OF THE BUILDING. PROVIDE LINTELS ETC AT NEW OPENINGS ACCORDINGLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE REMOVAL AND DISPOSAL OF ALL MATERIALS NECESSARY TO ACHIEVE THE DESIGN INTENT, WHETHER EXPRESSLY SHOWN OR NOT.
2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND VERIFY ALL EXISTING MECHANICAL SYSTEMS TO DETERMINE EXTENT OF REMOVAL WORK. ANY ITEMS NOT SPECIFICALLY INDICATED ON DRAWINGS OR IN SPECIFICATIONS THAT ARE IN CONFLICT WITH CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO BID FOR CLARIFICATION.
3. ALL DEMOLITION WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE STATE OF OHIO, OSHA, AND NFPA.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND INSPECTIONS.
5. ALL DEMOLITION WORK SHALL BE COORDINATED WITH DEMOLITION WORK SHOWN ON OTHER CONTRACT DRAWINGS.
6. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, LOCATIONS, AND QUANTITIES PRIOR TO BEGINNING WORK.
7. OWNER RESERVES THE RIGHT TO SALVAGE ANY EQUIPMENT OR MATERIAL INDICATED TO BE DEMOLISHED.
8. ALL ITEMS DESIGNATED TO BE REMOVED SHALL INCLUDE ALL EQUIPMENT, PIPING, HANGERS, AND POWER & CONTROLS ASSOCIATED WITH ITEM TO BE REMOVED. CAP ASSOCIATED PIPING , PATCH WALL TO MATCH EXISTING CONDITIONS WHERE THROUGH PENETRATIONS AND/OR REMOVALS OCCURRED. CAREFULLY AND SKILLFULLY REMOVE ALL ITEMS IN ORDER TO PREVENT DAMAGE. REPAIR FINISHES TO MATCH EXISTING. OWNER HAS SALVAGE RIGHTS TO ALL REMOVALS. COORDINATE WITH THE OWNER SPECIFIC SALVAGE ITEMS PRIOR TO REMOVAL.
9. CONTRACTOR REQUIRED TO COORDINATE AREAS OF DEMOLITION WORK WITH OWNER'S REPRESENTATIVE IN ORDER TO HAVE AREAS CLEARED. CONTRACTOR TO IDENTIFY AND BLOCK OFF THESE AREAS OF CONSTRUCTION. INMATES MUST BE CLEARED OUT OF THE AREA PRIOR TO BEGINING DEMOLITION WORK.
10. PATCH, REPAIR, RESTORE AND REFINISH ALL ADJACENT MATERIALS AND CONSTRUCTION INTENDED TO REMAIN TO LIKE-NEW CONDITION AS WELL AS CORRECTION OF DAMAGE RESULTING FROM DEMOLITION OR NEW CONSTRUCTION ACTIVITIES. PATCH AND REPAIR EXISTING SURFACES LEFT EXPOSED AFTER DEMOLITION AND PREPARE THEM FOR NEW CONSTRUCTION. INFILL VOIDS LEFT BY DEMOLITION TO MATCH SURROUNDING.
11. CONTRACTOR RESPONSIBLE FOR PROVIDING TEMPORARY HEATING/ COOLING THAT IS ADEQUATE TO THE SCHEDULED LOADS DURING THE ASSOCIATED SEASON OF EQUIPMENT REPLACEMENT.
12. IF ADDITIONAL EQUIPMENT IS DETERMINED REQUIRED TO BE DISCONNECTED OR REMOVED DURING DEMOLITION FOR NEW INSTALLATION PURPOSED, VERIFY WITH ENGINEER AND OWNER'S REPRESENTATIVE BEFORE DISCONNECTION AND/OR REMOVAL.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARILY SUPPORTING DEVICES IN THE CEILINGS TO BE REPLACED INCLUDING BUT NOT LIMITED TO DIFFUSERS, GRILLES, SPRINKLERS ETC. REINSTALL EXISTING COMPONENTS OR PROVIDE NEW COMPONENTS AS INDICATED ON THE PLANS UPON REPLACEMENT OF CEILINGS OR ROOM LAYOUT MODIFICATIONS.
14. CONTRACTOR SHALL COORDINATE ALL UTILITY SHUTDOWNS WITH THE OWNER PRIOR TO ANY INSTALLATION. PROVIDE ISOLATION VALVES AS NECESSARY.
15. EQUIPMENT REMOVED SHALL BE REMOVED FROM CONTROLS FRONT END.
16. PROVIDE PRE-CONSTRUCTION TESTING, ADJUSTING, AND BALANCING (TAB) REPORT FOR EXISTING HVAC EQUIPMENT THAT IS INCLUDED IN SCOPE OF WORK. THE TAB REPORT SHALL IDENTIFY QUANTITY OF ALL CEILING AND/OR AIR DEVICES (DIFFUSERS, GRILLES, ETC.) AND AIR TERMINAL DEVICES WITH AMOUNT OF AIRFLOW RATE AND WATER FLOW USING FLOOR PLAN PRIOR TO REPLACING AIR DEVICES AND EXHAUST FANS TO DOCUMENT ALL EXISTING HVAC CONDITION. UPON REPLACEMENT OF AIR DEVICES AND EXHAUST FANS, ADJUST EQUIPMENT SO THAT POST-CONSTRUCTION TAB REPORT IS THE SAME AND/OR WITHIN +/- 10% OF PRE-CONSTRUCTION TAB REPORT RESULT.

HVAC BASIS OF DESIGN

SUMMER	
OUTDOOR	89°F DB, 73°F WB
INDOOR	75°F DB, 63°F WB
WINTER	
OUTDOOR	0°F DB
INDOOR	70°F DB

GENERAL NOTES

1. ALL MECHANICAL WORK SHALL BE IN ACCORDANCE WITH OHIO MECHANICAL CODE. LATEST APPLICABLE EDITION, THE AUTHORITY HAVING JURISDICTION AND AS SPECIFIED (WHICHEVER IS MORE STRINGENT).
2. IF NON-DESIGN BASE EQUIPMENT IS SELECTED, THIS CONTRACTOR SHALL BEAR ANY ADDITIONAL COSTS FOR MODIFICATION TO THE PROPOSED BUILDING SYSTEM CAUSED BY SELECTION OF THE NON-DESIGN BASE EQUIPMENT INCLUDING COSTS FOR ARCHITECT/ENGINEER REVIEW. DEVIATIONS FROM BASIS OF DESIGN THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIALS, ETC. SHALL BE BORNE BY THIS CONTRACTOR. COORDINATE ALL WORK WITH OTHER TRADES.
3. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS. IF DIMENSIONS CANNOT BE ACCURATELY DETERMINED, REQUEST THE INFORMATION FROM THE ARCHITECT/ENGINEER.
4. KEY NOTES ARE MEANT AS A GENERAL GUIDE FOR TYPICAL LOCATIONS. CONTRACTOR TO PERFORM FULL EXTENT OF WORK REQUIRED TO ACCOMPLISH DESIGN INTENT.
5. CONTRACTOR IS RESPONSIBLE FOR ALL WORK IDENTIFIED ON ALL DRAWINGS AND INFORMATION IN THE PROJECT MANUAL, AS A COMPLETE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC SCOPE OF WORK FOR ANY SUBCONTRACTORS FOR THIS PROJECT EXCEPT AS SPECIFICALLY NOTED.
6. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, OR FIRE PROTECTION ITEMS MAY BE REQUIRED, WHETHER INDICATED ON THE PLANS OR NOT. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE WALL/CEILING ASSEMBLY.
7. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AS NECESSARY AND COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH STRUCTURAL TRADES.
8. DUCTWORK:
   A. ALL LISTED DUCTWORK DIMENSIONS ARE CLEAR AIR FLOW DIMENSIONS.
   B. ALL DUCTS IN FINISHED ROOMS AND SPACES SHALL BE CONCEALED IN CHASES OR ABOVE THE CEILINGS, UNLESS OTHERWISE NOTED.
   C. FIELD VERIFY LOCATION OF BEAMS, GENERAL STRUCTURE, LIGHTING, PIPING, ETC., BEFORE FABRICATION AND INSTALLATION OF DUCTWORK COORDINATE ELEVATIONS, OFFSETS, AND TRANSITIONS AS REQUIRED.
   D. MAXIMUM LENGTH OF FLEX DUCT SHALL BE 5'-0". FLEX DUCT SHALL NOT BE USED WHERE DUCTWORK IS EXPOSED. THE LAST ELBOW BEFORE CONNECTION TO AN AIR DEVICE SHALL BE A HARD DUCT.
   E. VOLUME DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCTS.
   F. THE ELBOWS FOR DUCTWORK SHALL HAVE TURNING VANES UNLESS NOTED OTHERWISE.
   G. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR AIR DEVICE LOCATIONS.
   H. ALL AIR DEVICES IN CMU WALLS SHALL MATCH BLOCK COURSING.
   I. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE RATED WALLS, FLOORS AND SMOKE BARRIERS. CONTRACTOR SHALL PROVIDE FIRE DAMPERS, SMOKE DAMPERS IN ALL DUCTS PENETRATING SAID WALLS/FLOOR, WHETHER INDICATED ON THE MECHANICAL PLANS OR NOT.
9. ALL STRUCTURAL OPENINGS SHALL BE COORDINATED WITH THE STRUCTURAL DRAWING. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH STRUCTURAL TRADES.
10. ALL HANGER SYSTEMS FOR PIPING AND EQUIPMENT SHALL BE SECURED TO BUILDING STRUCTURAL SYSTEM.
11. COORDINATE ALL WORK WITH EXISTING WORK TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.
12. CONNECTION TO EQUIPMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATION.
13. ALL MECHANICAL EQUIPMENT REQUIRING NATURAL GAS SHALL BE FURNISHED WITH PRESSURE REGULATOR. THE GAS PRESSURE REGULATOR SHALL REGULATE THE GAS PRESSURE BETWEEN THE INLET AND OPERATING PRESSURE OF THE EQUIPMENT. PROVIDE VENT TO OUTDOOR FROM EACH REGULATOR WHERE REQUIRED BY MANUFACTURER.
14. ALL HVAC CONTROL WIRING SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR UNLESS OTHERWISE NOTED. EXPOSED CONTROL WIRING SHALL BE IN CONDUIT. TEMPERATURE CONTROL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND LOCATING ANY 24V TRANSFORMERS REQUIRED FOR CONTROL COMPONENTS. COORDINATE WITH DIV 26 CONTRACTOR FOR POWER WIRING.
15. HVAC EQUIPMENT SHALL BE CONNECTED TO A BUILDING MANAGEMENT SYSTEM. PLUMBING EQUIPMENT INDICATED ON M4.1 SHALL BE CONNECTED TO A BUILDING MANAGEMENT SYSTEM. OPERATOR WORKSTATION FOR BUILDING MANAGEMENT SYSTEM SHALL BE LOCATED IN EXISTING MAINTENANCE STAFF OFFICE REFER TO SPECFICATION SECTION 230923 FOR ADDITIONAL INFORMATION.
16. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.
17. PROVIDE SECURITY BARS ON ALL DUCTWORK GREATER THAN 80 SQUARE INCHES WHERE PENETRATIONS OF SECURITY WALL TO DECK OR STRUCTURE ABOVE OCCURS. SEE ARCHITECTURAL SECURE WALL PLAN DRAWING FOR SECURITY WALL LOCATIONS AND TYPE.
18. ALL REQUIRED SHUT-OFF VALVES AND VAV UNITS IN HOUSING TO BE CLEARLY MARKED.
19. PROVIDE HOUSEKEEPING PADS FOR EQUIPMENT. PAD SIZE SHOWN ARE APPROXIMATE AND ARE BASED ON BASIS OF DESIGN EQUIPMENT. PROPER EQUIPMENT OPERATION AND MAINTENANCE REQUIRES EQUIPMENT PADS SIZED TO SPECIFIC EQUIPMENT. SUBMIT COORDINATION DRAWINGS ILLUSTRATING PROPOSED PAD DIMENSIONS BASED ON APPROVED EQUIPMENT. DO NOT PERFORM LAYOUT WORK OR BEGIN FORM WORK FOR PADS PRIOR TO APPROVAL OF COORDINATION DRAWINGS.

1. Summary

Ventilation Sizing Method ..... **ASHRAE Standard 62.1-2019**
Design Condition ..... **Minimum flow (heating)**
Occupant Diversity (D) **1.000**
Uncorrected Outdoor Air Intake (Vou) ..... **488** CFM
System Ventilation Efficiency (Ev) **0.423**
Outdoor Air Intake (Vot) ..... **1154** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (sqft) (Az)	Area Outdoor Air Rate (CFM/sqft) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
FPVAV-6-2									
D105 DAYROOM (E)	233	516.8	0.06	12.0	5.00	0.80	**114**	*91*	0.807
D106 ADA CELL (2)	34	124.0	0.12	2.0	5.00	0.80	**31**	*25*	0.423
D108 CELL (2)	33	117.7	0.12	2.0	5.00	0.80	**30**	*24*	0.425
D110 CELL (2)	32	114.0	0.12	2.0	5.00	0.80	**30**	*24*	0.423
D112 CELL (2)	32	113.6	0.12	2.0	5.00	0.80	**30**	*24*	0.424
D114 CELL (2)	33	114.9	0.12	2.0	5.00	0.80	**30**	*24*	0.424
D116 CELL (2)	34	115.0	0.12	2.0	5.00	0.80	**30**	*24*	0.448
D118 INMATE SHOWER	38	82.5	0.00	0.0	0.00	0.80	**0**	*0*	1.245
FPVAV-6-4									
D105 DAYROOM (W)	178	394.5	0.06	12.0	5.00	0.80	**105**	*84*	0.718
D107 ADA CELL (2)	36	124.3	0.12	2.0	5.00	0.80	**31**	*25*	0.474
D109 CELL (2)	33	114.6	0.12	2.0	5.00	0.80	**30**	*24*	0.425
D111 CELL (2)	32	112.5	0.12	2.0	5.00	0.80	**29**	*23*	0.424
D113 CELL (2)	32	113.1	0.12	2.0	5.00	0.80	**29**	*24*	0.423
D115 CELL (2)	32	112.6	0.12	2.0	5.00	0.80	**29**	*24*	0.424
D117 CELL (2)	34	115.3	0.12	2.0	5.00	0.80	**30**	*24*	0.449
D119 INMATE SHOWER	38	80.2	0.00	0.0	0.00	0.80	**0**	*0*	1.245
VAV-6-1									
D101 PERIMETER CHASE	121	348.0	0.00	0.0	0.00	0.80	**0**	*0*	1.245
VAV-6-3									
D102 CORRIDOR	123	226.6	0.06	0.0	0.00	0.80	**17**	*14*	1.107
D103 VESTIBULE	84	93.0	0.06	0.0	0.00	0.80	**7**	*6*	1.162
D104 SECURED VESTIBULE / OBSERVATION	51	121.9	0.06	0.0	0.00	0.80	**9**	*7*	1.064
VAV-6-5									
D120 MECHANICAL ROOM	730	1053.3	0.00	0.0	0.00	0.80	**0**	*0*	1.245
Totals	**1994**							**488**	**0.423**

2 **RT-6 SPACE VENTILATION ANALYSIS**
SCALE: N.T.S.

1. Summary

Ventilation Sizing Method ..... **ASHRAE Standard 62.1-2019**
Design Condition ..... **Minimum flow (heating)**
Occupant Diversity (D) **1.000**
Uncorrected Outdoor Air Intake (Vou) ..... **536** CFM
System Ventilation Efficiency (Ev) **0.750**
Outdoor Air Intake (Vot) ..... **715** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (sqft) (Az)	Area Outdoor Air Rate (CFM/sqft) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
VAV-5-1									
C125 MEN'S TOILET ROOM	37	551.9	0.00	0.0	0.00	0.80	**0**	*0*	1.363
C126 MEN'S SHOWER	15	162.2	0.00	0.0	0.00	0.80	**0**	*0*	1.363
VAV-5-2									
C123 MEN'S DORM (25)	792	2192.4	0.12	25.0	5.00	0.80	**485**	*388*	0.750
VAV-5-3									
C129 CORRIDOR	411	999.3	0.06	0.0	0.00	0.80	**75**	*60*	1.180
VAV-5-4									
C123 STORAGE	23	55.5	0.06	0.0	5.00	0.80	**4**	*3*	1.184
C124 SHERIFF'S OFFICE EXPANSION	199	996.0	0.06	5.0	5.00	0.80	**106**	*85*	0.831
Totals	**1478**							**536**	**0.750**

1 **RT-5 SPACE VENTILATION ANALYSIS**
SCALE: N.T.S.

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NO.	REVISION	DATE

DRAWN: JW | CHK'D: ML
DESIGNED: KB | APPR'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD MT GILEAD, OHIO 43338

GENERAL INFORMATION

DRAWING NUMBER: M0.1
MECHANICAL

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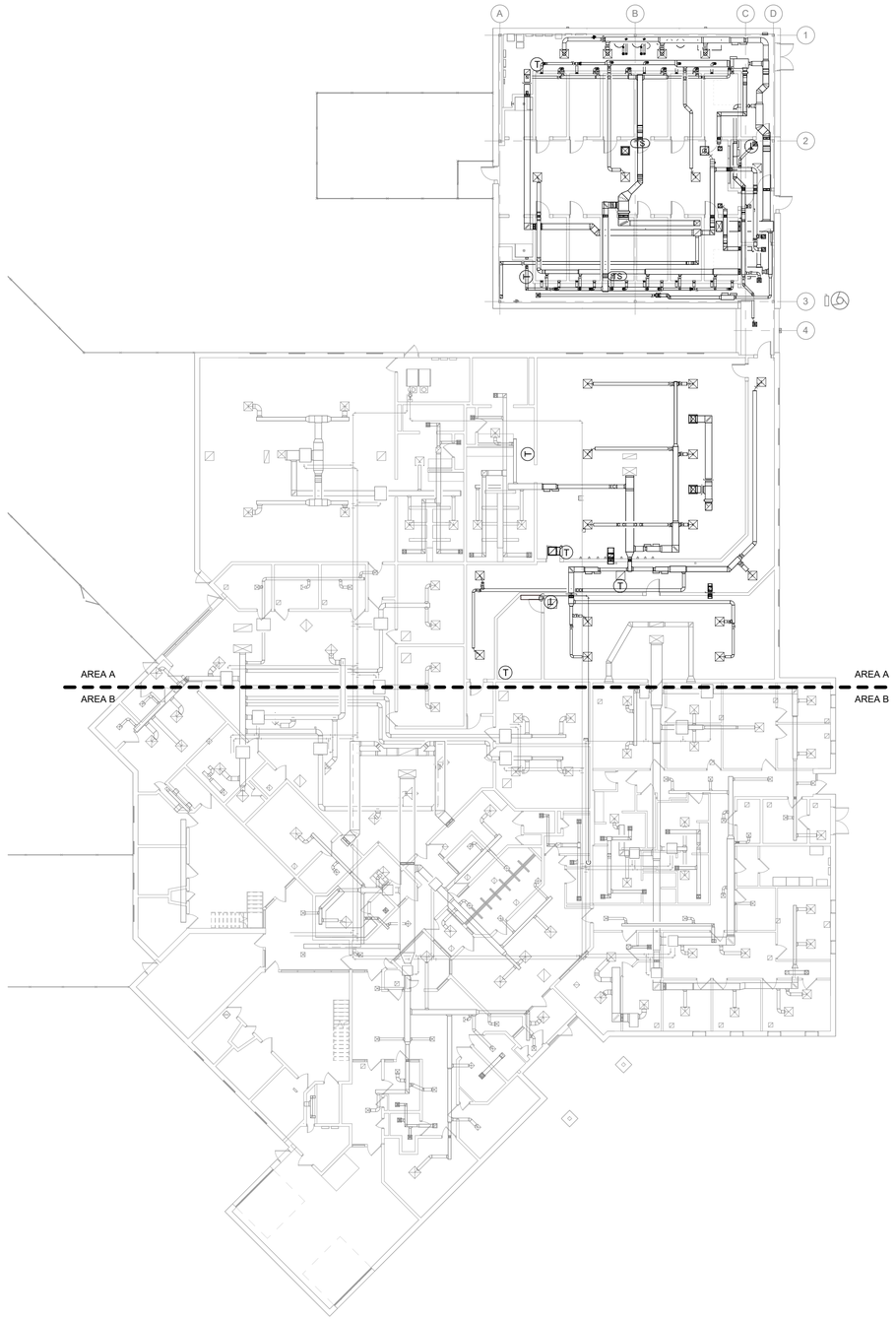


FIRST FLOOR HYDRONIC PIPING INSTALLATION PLAN - OVERALL
SCALE: 1/16" = 1'-0"
NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, LOCATIONS, AND QUANTITIES OF THE SYSTEMS IN THE SCOPE OF WORK PRIOR TO BEGINNING WORK.

C. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

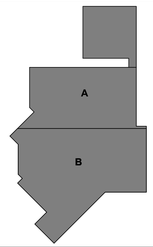
D. COORDINATE ALL WORK WITH STRUCTURAL TRADES FOR OPENINGS IN STRUCTURAL SUPPORTS.

E. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

F. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS. OTHERWISE INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTALLATION GUIDELINES.

G. COORDINATE WITH OWNER TEMPORARY RELOCATION OF INMATES PRIOR TO BEGINNING WORK IN OCCUPIED SPACES OUTSIDE OF SCOPE OF WORK.

KEYPLAN



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DESIGNED: KB
APPR'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

FIRST FLOOR MECHANICAL PLAN - OVERALL

DRAWING NUMBER M2.1
MECHANICAL

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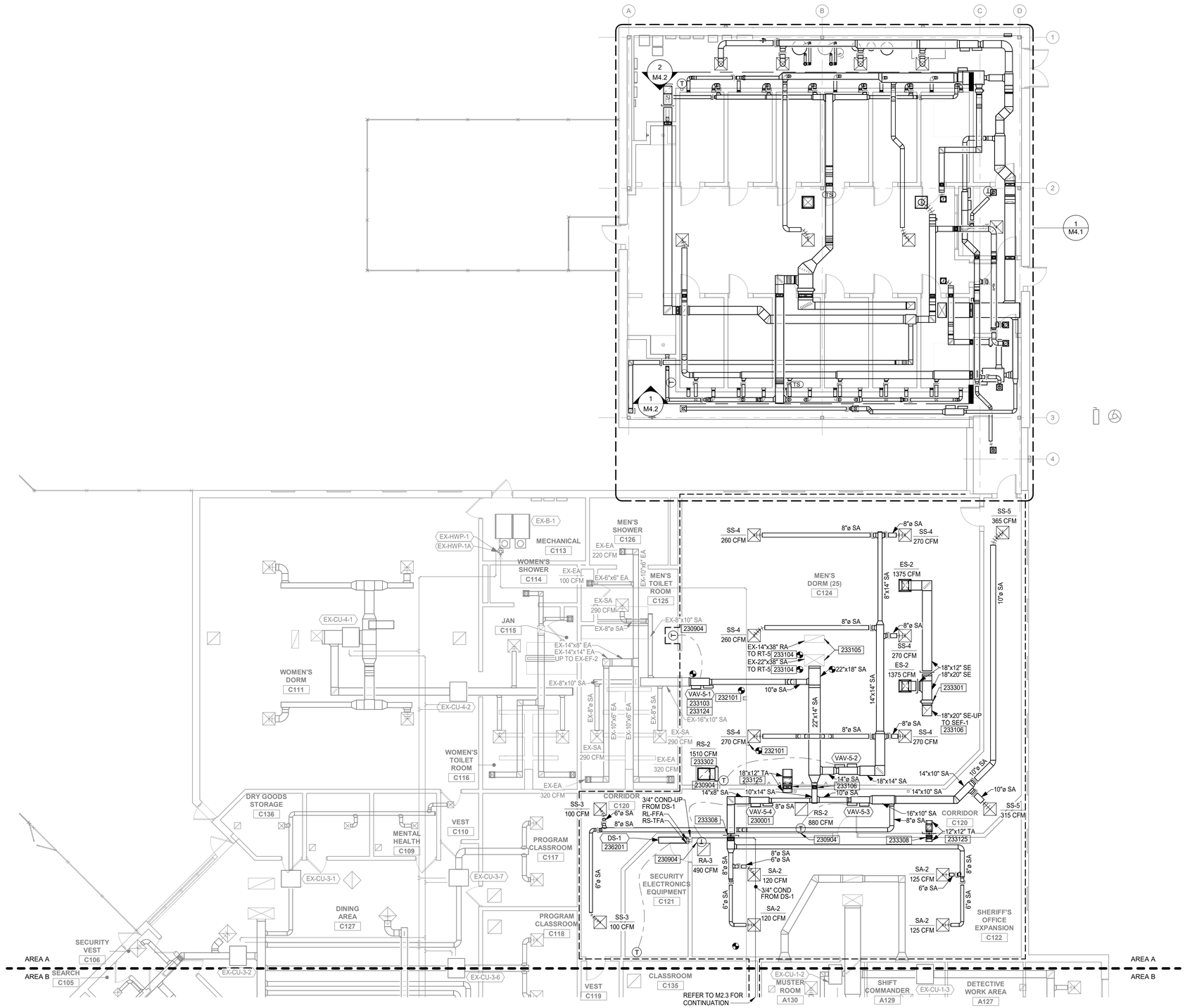


1 **FIRST FLOOR INSTALLATION PLAN - AREA A**
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, LOCATIONS, AND QUANTITIES OF THE SYSTEMS IN THE SCOPE OF WORK PRIOR TO BEGINNING WORK.

C. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

D. COORDINATE ALL WORK WITH STRUCTURAL TRADES FOR OPENINGS IN STRUCTURAL SUPPORTS.

E. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

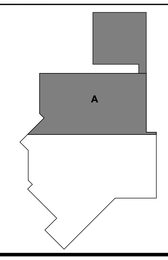
F. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS. OTHERWISE INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTALLATION GUIDELINES.

G. COORDINATE WITH OWNER TEMPORARY RELOCATION OF INMATES PRIOR TO BEGINNING WORK IN OCCUPIED SPACES OUTSIDE OF SCOPE OF WORK.

KEYNOTES

230001	VAV-5-4 VENTILATION AIR REQUIREMENTS ARE BASED OFF OF OFFICE SPACE PER OWNER AGREEMENT.
230904	PROVIDE THERMOSTAT WITH METAL LOCKABLE SECURITY COVER.
232101	CAP EXISTING PIPE OPENING.
233103	CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION, ELEVATION, AND SIZE OF EXISTING DUCTWORK. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.
233104	COORDINATE EXISTING DUCTWORK WITH NEW RT-5 AND ASSOCIATED CURB ADAPTOR AND ADJUST AS NEEDED. CONTRACTOR TO FIELD VERIFY IF EXISTING DUCT RISER THOUGH ROOF HAS SECURITY BARS. IF NOT, REMOVE PORTION OF EXISTING DUCTWORK AND INSTALL SECURITY BARS IN DUCTWORK. REFER TO SPECIFICATION 233300 FOR MORE INFORMATION.
233105	CONTRACTOR TO FIELD VERIFY EXACT DIMENSIONS AND ELEVATIONS OF EXISTING DUCT RISERS. NOTIFY ENGINEER IF FOUND TO BE DIFFERENT THAN NOTED.
233106	PROVIDE SECURITY BARS IN DUCTWORK. REFER TO SPECIFICATION 233300 FOR MORE INFORMATION.
233124	SHOULD THE PRE-CONSTRUCTION TAB REPORT SHOW THAT EXISTING CU-5-1 SUPPLY AIRFLOW EXCEEDS THE EXHAUST AIRFLOW OF EXISTING EF-2, NOTIFY ENGINEER FOR FURTHER DIRECTION. REFER TO MD2.1 FOR ADDITIONAL INFORMATION.
233125	PROVIDE Z-SHAPED TRANSFER DUCT FOR SOUND ATTENUATION. REFER TO DETAIL 5/M5.1 FOR MORE INFORMATION.
233301	PROVIDE SMOKE DAMPER IN DUCT AS PER DIVISION 23 SPECIFICATIONS. REFER TO M7.4 FOR MORE INFORMATION.
233302	PROVIDE SMOKE DAMPER CONNECTED TO RETURN GRILLE AS PER DIVISION 23 SPECIFICATIONS. REFER TO DETAIL 5/M5.1 FOR RETURN BOOT. ACTUATOR SHALL BE INSTALLED TOWARDS THE DUCT ACCESS DOOR AND ACCESSIBLE ACOUSTIC CEILING TILE FOR ACCESSIBILITY. REFER TO M7.4 FOR MORE INFORMATION.
233308	PROVIDE COMBINATION FIRE AND SMOKE DAMPER AND SECURITY BARS IN DUCTWORK. REFER TO SPECIFICATION 233300 FOR MORE INFORMATION. ACTUATOR SHALL BE INSTALLED TOWARDS THE DUCT ACCESS DOOR AND ACCESSIBLE ACOUSTIC CEILING TILE FOR ACCESSIBILITY.
236201	DUCTLESS SPLIT SYSTEM BASED ON HEATING LOAD OF SECURITY EQUIPMENT IN ROOM. REFER TO SECURITY DRAWINGS FOR MORE INFORMATION. ENGINEER SHALL BE NOTIFIED OF ANY DEVIATION AND/OR DISCREPANCY ON SECURITY EQUIPMENT.

KEYPLAN



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NO.	REVISION	DATE

DRAWN: JW
CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 23, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

FIRST FLOOR MECHANICAL PLAN - AREA A

DRAWING NUMBER M2.2 MECHANICAL

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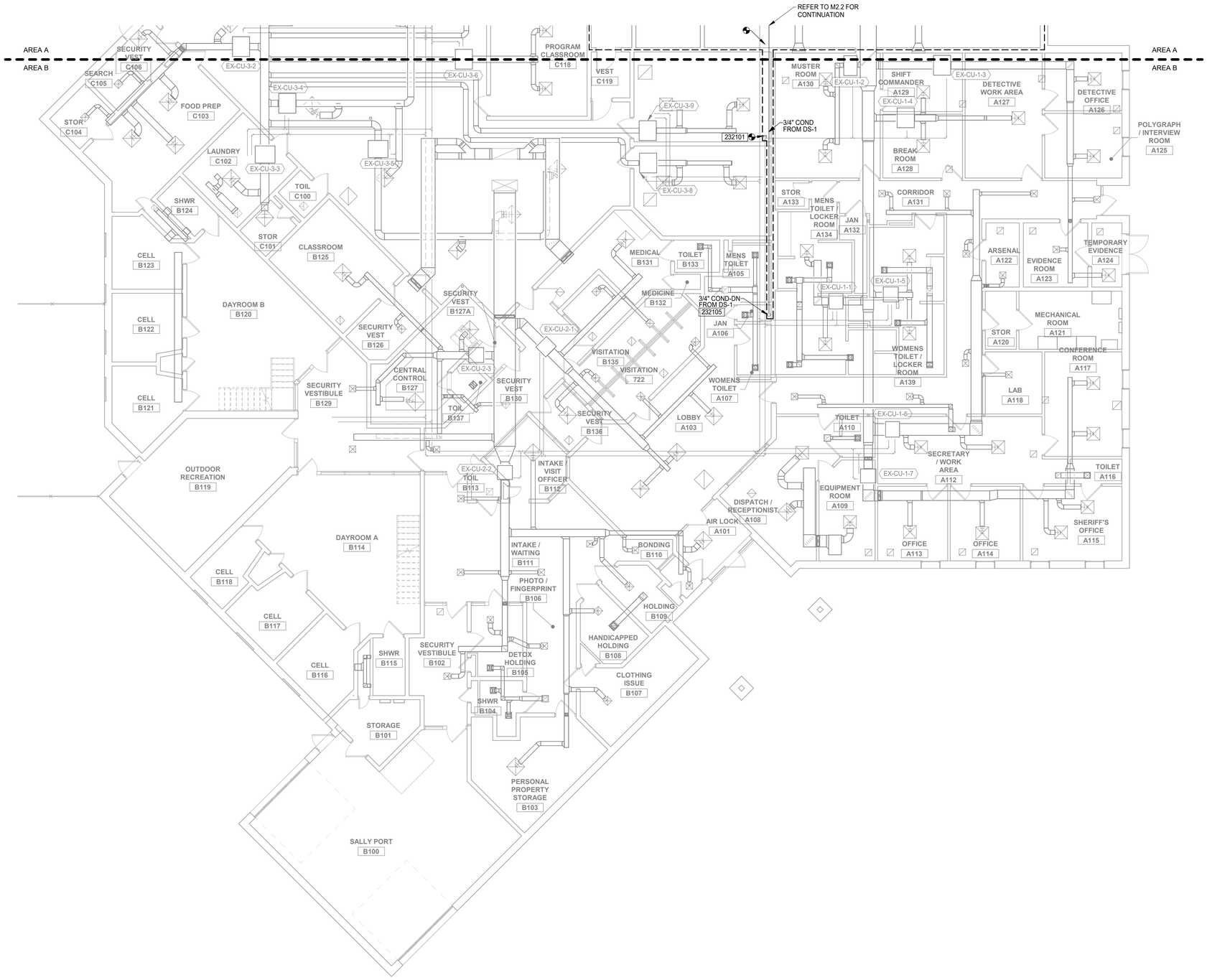


1 **FIRST FLOOR INSTALLATION PLAN - AREA B**
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, LOCATIONS, AND QUANTITIES OF THE SYSTEMS IN THE SCOPE OF WORK PRIOR TO BEGINNING WORK.

C. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

D. COORDINATE ALL WORK WITH STRUCTURAL TRADES FOR OPENINGS IN STRUCTURAL SUPPORTS.

E. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

F. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS. OTHERWISE INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTALLATION GUIDELINES.

G. COORDINATE WITH OWNER TEMPORARY RELOCATION OF INMATES PRIOR TO BEGINNING WORK IN OCCUPIED SPACES OUTSIDE OF SCOPE OF WORK.

KEYNOTES

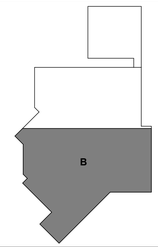
232101	CAP EXISTING PIPE OPENING.
232105	ROUTE DUCTLESS SPLIT CONDENSATE TO NEAREST EXISTING MOP SINK. REFER TO ARCHITECTURE DRAWINGS FOR EXACT LOCATION OF EXISTING MOP SINK.

LINE LEGEND

SCOPE OF WORK

AREA A / AREA B — AREA A / AREA B — MATCHLINE

KEYPLAN



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DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD

FIRST FLOOR MECHANICAL PLAN - AREA B

DRAWING NUMBER M2.3 MECHANICAL

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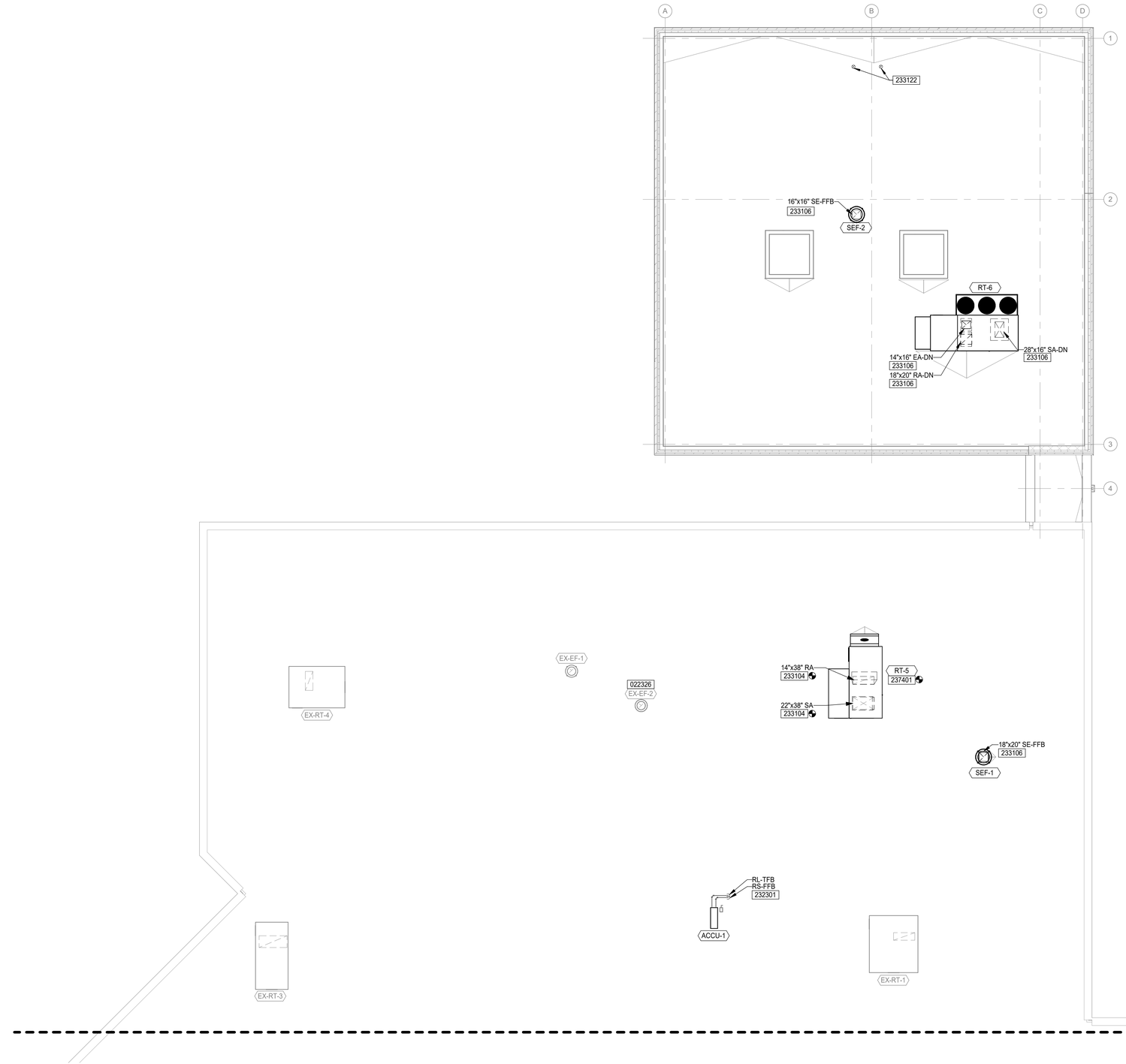


1 ROOF MECHANICAL INSTALLATION PLAN - AREA A
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, LOCATIONS, AND QUANTITIES OF THE SYSTEMS IN THE SCOPE OF WORK PRIOR TO BEGINNING WORK.

C. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

D. COORDINATE ALL WORK WITH STRUCTURAL TRADES FOR OPENINGS IN STRUCTURAL SUPPORTS.

E. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

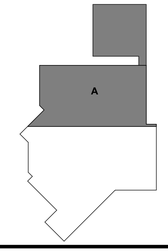
F. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS. OTHERWISE INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTALLATION GUIDELINES.

G. COORDINATE WITH OWNER TEMPORARY RELOCATION OF INMATES PRIOR TO BEGINNING WORK IN OCCUPIED SPACES OUTSIDE OF SCOPE OF WORK.

KEYNOTES

022326	CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION TAB REPORT FOR EXISTING EF-2 AND ALL ASSOCIATED AIR DEVICES. REFER TO GENERAL DEMOLITION NOTE #16 FOR ADDITIONAL INFORMATION.
232301	REFRIGERANT LINES TO SERVE DS-1 BELOW. REFER TO M2.2 FOR CONTINUATION.
233104	COORDINATE EXISTING DUCTWORK WITH NEW RT-5 AND ASSOCIATED CURB ADAPTOR AND ADJUST AS NEEDED. CONTRACTOR TO FIELD VERIFY IF EXISTING DUCT RISER THOUGH ROOF HAS SECURITY BARS. IF NOT, REMOVE PORTION OF EXISTING DUCTWORK AND INSTALL SECURITY BARS IN DUCTWORK. REFER TO SPECIFICATION 233300 FOR MORE INFORMATION.
233106	PROVIDE SECURITY BARS IN DUCTWORK. REFER TO SPECIFICATION 233300 FOR MORE INFORMATION.
233122	6" WATER HEATER CONCENTRIC VENT THRU ROOF. COORDINATE LOCATION WITH EQUIPMENT. INSTALL AS PER MANUFACTURER RECOMMENDATIONS. PROVIDE OPTIONAL MANUFACTURER PROVIDED CONCENTRIC VENT KIT AND BIRD SCREEN. REFER TO DETAIL 7/M5.1 FOR MORE INFORMATION.
237401	CONNECT EXISTING DUCT RISERS TO NEW ROOFTOP UNIT. REUSE EXISTING ROOF CURB. CONTRACTOR TO FIELD VERIFY EXACT DIMENSION OF EXISTING ROOF CURB AND PROVIDE CURB ADAPTER AS REQUIRED TO ACCOMMODATE NEW ROOFTOP UNIT. CONTRACTOR SHALL FIELD VERIFY THE EXACT DIMENSION OF EXISTING DUCT RISERS PRIOR TO SIZING CURB ADAPTER.

KEYPLAN



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DRAWN: JJW | CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD

ROOF MECHANICAL PLAN - AREA A

DRAWING NUMBER M2.4
MECHANICAL

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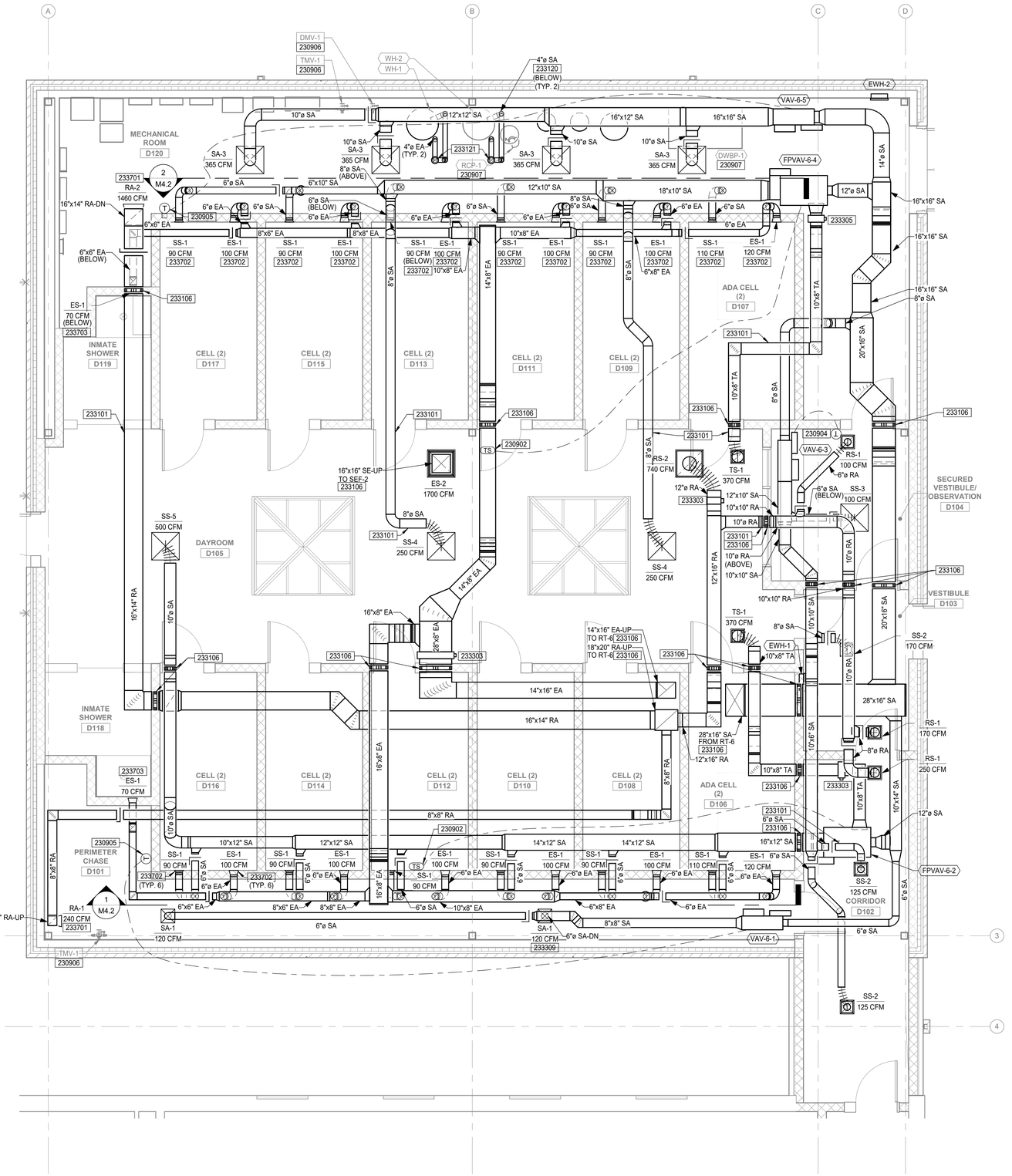

FIRST FLOOR ENLARGED DUCTWORK INSTALLATION PLAN - ADDITION

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

NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, LOCATIONS, AND QUANTITIES OF THE SYSTEMS IN THE SCOPE OF WORK PRIOR TO BEGINNING WORK.

C. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

D. COORDINATE ALL WORK WITH STRUCTURAL TRADES FOR OPENINGS IN STRUCTURAL SUPPORTS.

E. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

F. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS. OTHERWISE INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTALLATION GUIDELINES.

G. COORDINATE WITH OWNER TEMPORARY RELOCATION OF INMATES PRIOR TO BEGINNING WORK IN OCCUPIED SPACES OUTSIDE OF SCOPE OF WORK.

KEYNOTES

230902	TEMPERATURE SENSOR IN EXHAUST DUCTWORK.
230904	PROVIDE THERMOSTAT WITH METAL LOCKABLE SECURITY COVER.
230905	MOUNT THERMOSTAT FOUR (4) FEET SIX (6) INCHES ABOVE FINISHED FLOOR.
230906	CONNECT AQUASTAT TO BAS FOR MONITORING PURPOSES. REFER TO MIXING VALVE SCHEDULE ON P6.1 & DETAIL 4/M7.1 FOR MORE INFORMATION.
230907	CONNECT PLUMBING EQUIPMENT TO BAS FOR MONITORING PURPOSES. REFER TO PLUMBING EQUIPMENT SCHEDULE ON P6.1 & DETAIL 4/M7.1 FOR MORE INFORMATION.
233101	THE INTENT IS FOR THIS SECTION OF DUCTWORK TO BE ROUTED THROUGH THE OPEN WEB SPACES OF THE STEEL ROOF JOISTS. THE DIVISION 23 CONTRACTOR SHALL COORDINATE WITH THE STRUCTURAL CONTRACTOR AND OTHER TRADES TO VERIFY THE EXACT SIZE, CONFIGURATION, AND GEOMETRY OF THE STEEL ROOF JOISTS PRIOR TO INSTALLATION. ROUTE DUCTWORK THROUGH THE STEEL ROOF JOISTS TO AVOID CUTTING, DRILLING, OR OTHERWISE MODIFYING ANY STRUCTURAL MEMBERS.
233106	PROVIDE SECURITY BARS IN DUCTWORK. REFER TO SPECIFICATION 233300 FOR MORE INFORMATION.
233120	4" WATER HEATER INTAKE FLUE UP. COORDINATE LOCATION WITH EQUIPMENT. CONNECT INTO EXHAUST FLUE FOR CONCENTRIC VENTILATION. INSTALL AS PER MANUFACTURER RECOMMENDATIONS. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.
233121	4" WATER HEATER EXHAUST FLUE UP. COORDINATE LOCATION WITH EQUIPMENT. INSTALL AS PER MANUFACTURER RECOMMENDATIONS. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.
233303	PROVIDE SMOKE DAMPER IN DUCT AS PER DIVISION 23 SPECIFICATIONS. ACTUATOR SHALL BE INSTALLED TOWARDS THE CEILING ACCESS DOOR AND ACCESSIBLE ACOUSTIC CEILING TILE FOR ACCESSIBILITY. REFER TO M7.4 FOR MORE INFORMATION.
233305	PROVIDE SMOKE DAMPER IN DUCT PER DIVISION 23 SPECIFICATIONS.
233309	PROVIDE VOLUME DAMPER IN DUCT RISER TO AIR DEVICE.
233701	INSTALL RETURN GRILLE IN SIDEWALL OF DUCT RISER. BOTTOM OF RETURN GRILLE SHALL BE A MAXIMUM OF ONE (1) FOOT ABOVE FINISHED FLOOR.
233702	BOTTOM OF AIR TERMINAL SHALL BE APPROXIMATELY 7'-0" ABOVE FINISHED FLOOR.
233703	BOTTOM OF AIR TERMINAL SHALL BE APPROXIMATELY 8'-4" ABOVE FINISHED FLOOR.

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PE.83897
PROFESSIONAL ENGINEER
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NO.	REVISION	DATE

DRAWN: JW | CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

ENLARGED PLANS - ADDITION

DRAWING NUMBER M4.1 MECHANICAL

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GENERAL NOTES

A. REFER TO SHEETS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, LOCATIONS, AND QUANTITIES OF THE SYSTEMS IN THE SCOPE OF WORK PRIOR TO BEGINNING WORK.

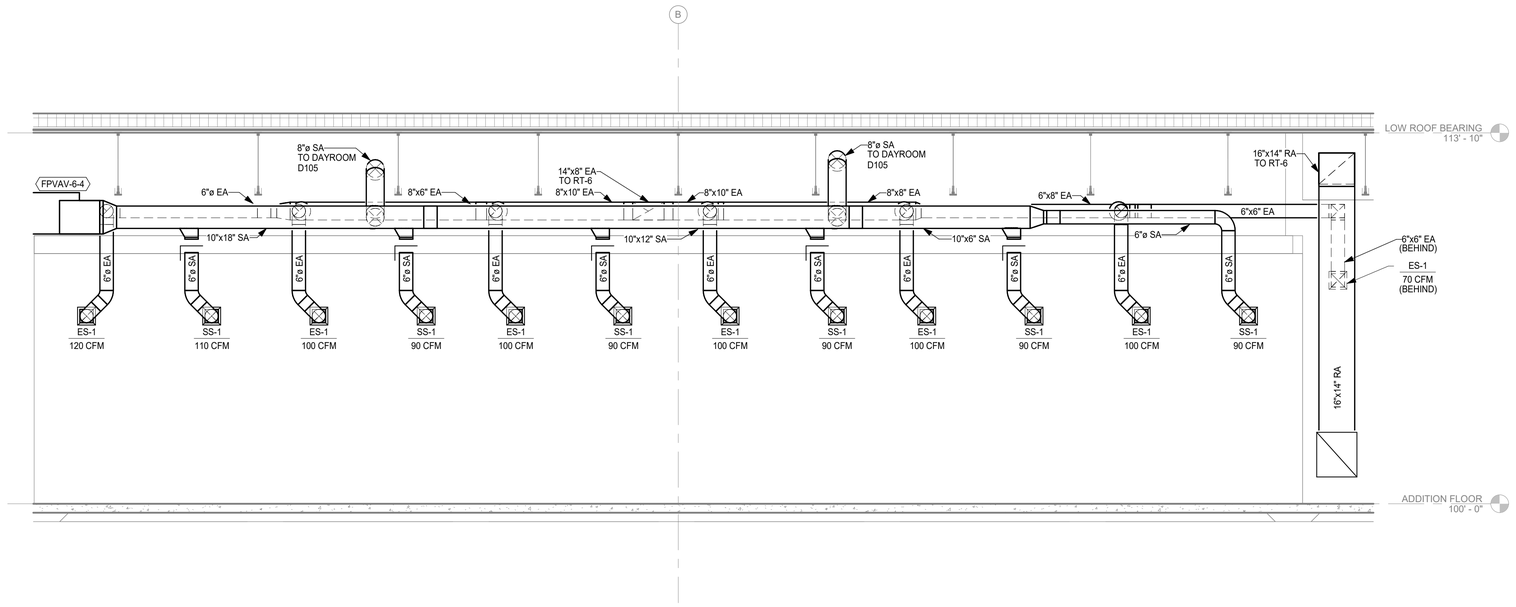
C. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

D. COORDINATE ALL WORK WITH STRUCTURAL TRADES FOR OPENINGS IN STRUCTURAL SUPPORTS.

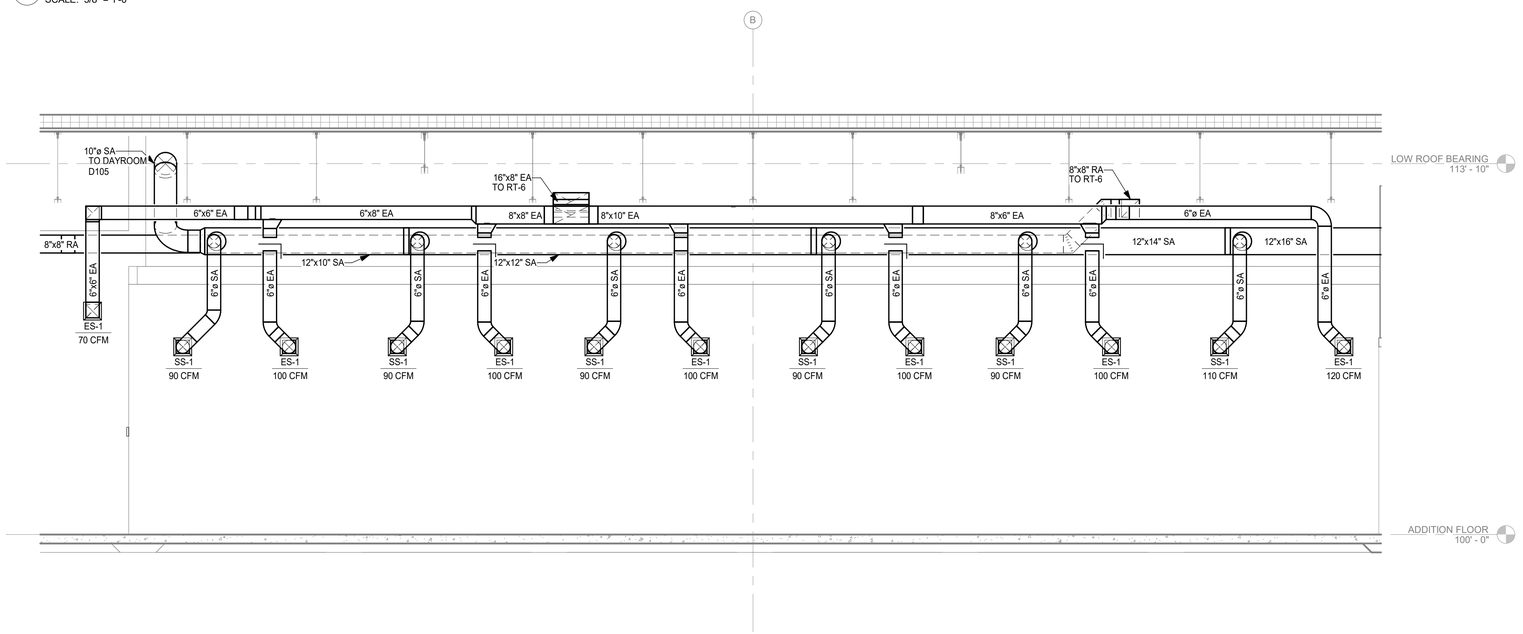
E. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

F. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS. OTHERWISE INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTALLATION GUIDELINES.

G. COORDINATE WITH OWNER TEMPORARY RELOCATION OF INMATES PRIOR TO BEGINNING WORK IN OCCUPIED SPACES OUTSIDE OF SCOPE OF WORK.



DUCTWORK INSTALLATION - MECHANICAL ROOM
D120
2 SCALE: 3/8" = 1'-0"



DUCTWORK INSTALLATION - PERIMETER CHASE
D101
1 SCALE: 3/8" = 1'-0"

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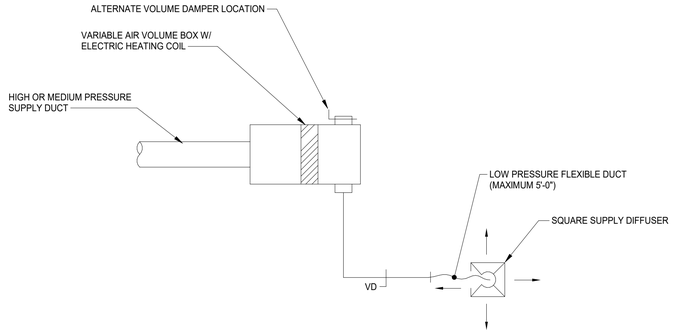
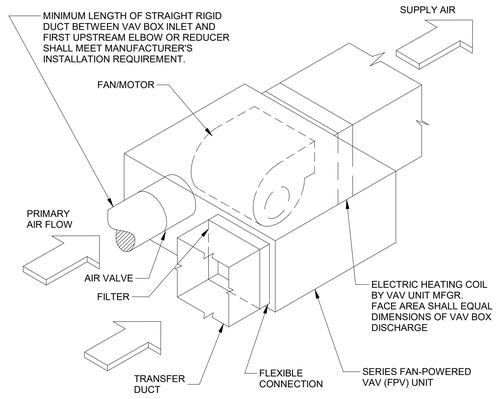
101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

ENLARGED CROSS SECTIONS - CHASES

DRAWING NUMBER M4.2
MECHANICAL

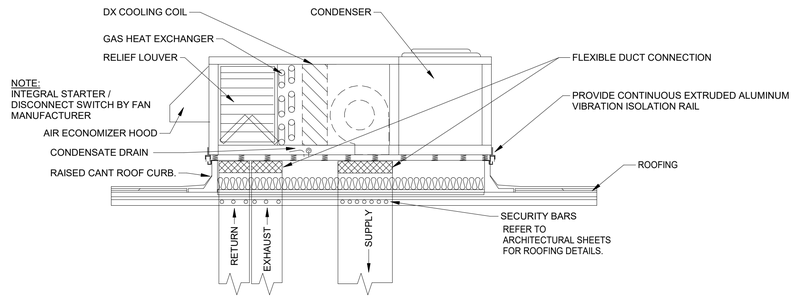


8 VAV BOX DETAIL
SCALE: N.T.S.

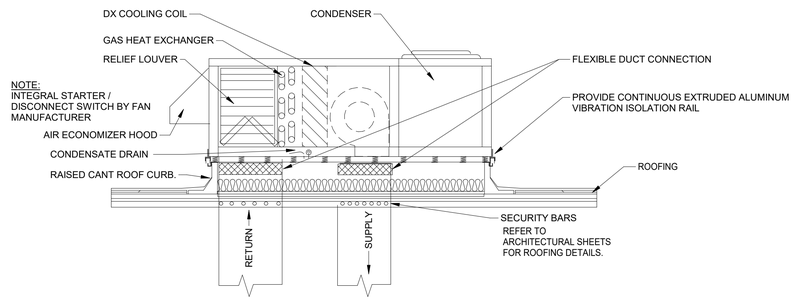


NOTE:
PROVIDE UNIT WITH BOTTOM ACCESS DOOR(S) TO FAN & AIR VALVE/DAMPER.

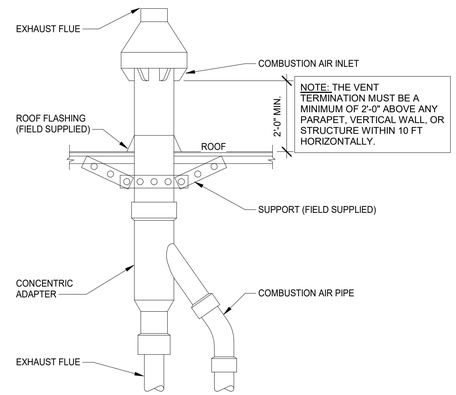
11 SERIES FAN POWERED VAV DETAIL ELECTRIC COIL
SCALE: N.T.S.



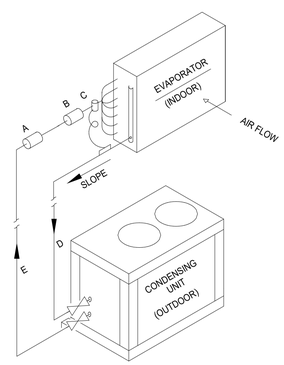
10 RT-6 DETAIL
SCALE: N.T.S.



9 RT-5 DETAIL
SCALE: N.T.S.



7 CONCENTRIC ROOF VENT DETAIL
SCALE: N.T.S.



NOTES:

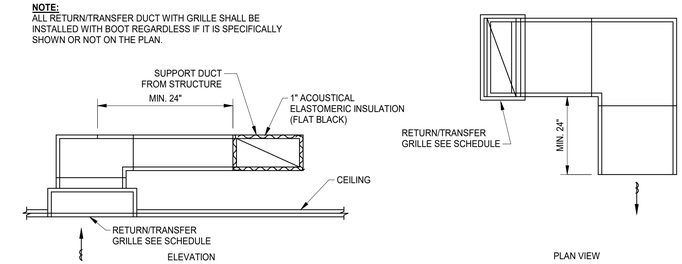
1. ALL PIPING AND PIPING COMPENENTS BY M.C.
2. PITCH ALL HORIZONTAL LINES A MINIMUM OF 1/2" IN 10 FT IN THE DIRECTION OF REFRIGERANT FLOW.
3. INSULATE ALL SUCTION LINES.
4. UNIT MANUFACTURER SHALL PROVIDE REFRIGERANT PIPING SCHEMATIC INCLUDING ALL LINES AND VALVE SIZES AND EXACT LINE ROUTING.

LEGEND:

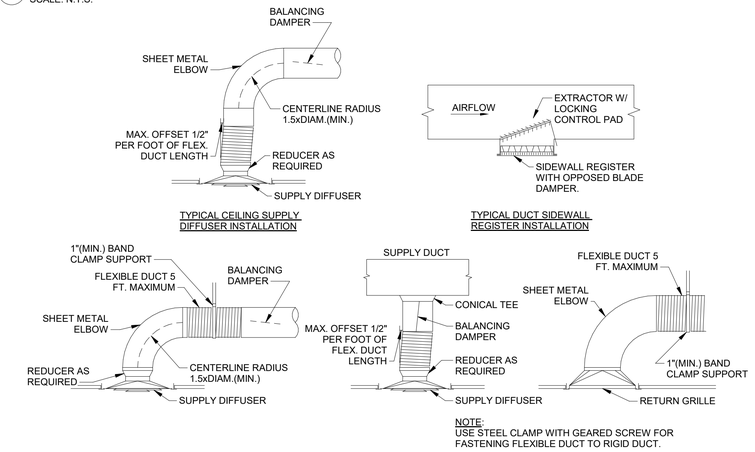
A. FILTER - DRIER
B. SIGHT GLASS / MOISTURE INDICATOR
C. THERMAL EXPANSION VALVE
D. SUCTION LINE, PITCH TOWARD COMPRESSOR
E. LIQUID LINE

6 CONDENSING UNIT DETAIL
SCALE: N.T.S.

NOTE:
ALL RETURN/TRANSFER DUCT WITH GRILLE SHALL BE INSTALLED WITH BOOT REGARDLESS IF IT IS SPECIFICALLY SHOWN OR NOT ON THE PLAN.

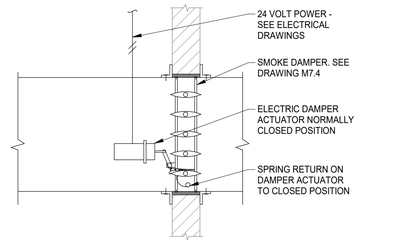


5 TRANSFER/RETURN AIR BOOT DETAIL
SCALE: N.T.S.

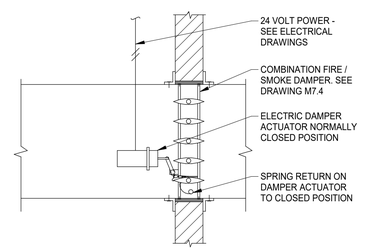


NOTE:
USE STEEL CLAMP WITH GEARED SCREW FOR FASTENING FLEXIBLE DUCT TO RIGID DUCT.

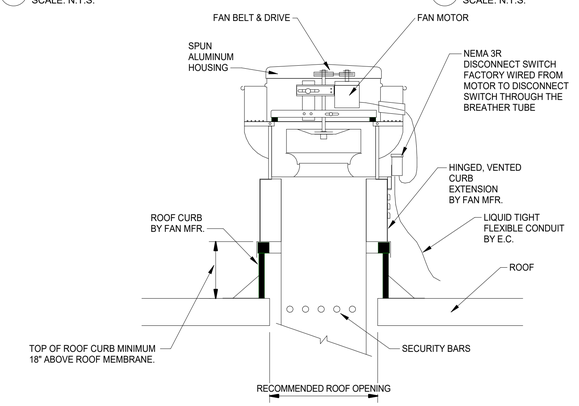
4 DUCT - DIFFUSER/GRILLE CONNECTION DETAIL
SCALE: N.T.S.



3 SMOKE DAMPER DETAIL
SCALE: N.T.S.



2 FIRE / SMOKE DAMPER DETAIL
SCALE: N.T.S.



1 SMOKE EXHAUST FAN DETAIL
SCALE: N.T.S.

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NO.	REVISION	DATE

DRAWN: JW | CHK'D: ML
DESIGNED: KB | APPR'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD MT GILEAD, OHIO 43338

MECHANICAL DETAILS - 1

DRAWING NUMBER: M5.1
MECHANICAL

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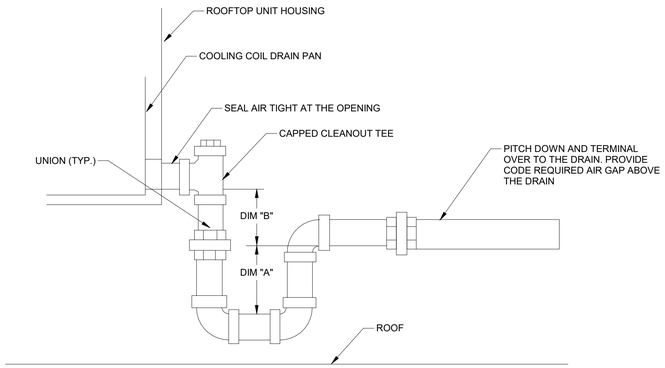
3 DUCTWORK PENETRATION THROUGH FIRE WALL
SCALE: N.T.S.

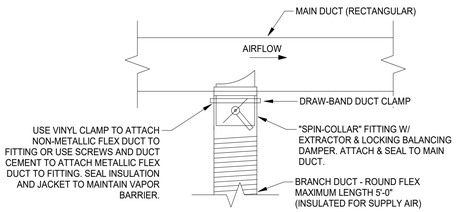
NOTES:

FOR DRAW THROUGH UNIT
DIM "A" = 1/2 OF DIM "B"
DIM "B" = FAN SUCTION PRESSURE PLUS 2 IN

FOR BLOW THROUGH UNIT
DIM "A" = FAN DISCHARGE STATIC PRESSURE PLUS 2 IN
DIM "B" = 2 IN. MIN

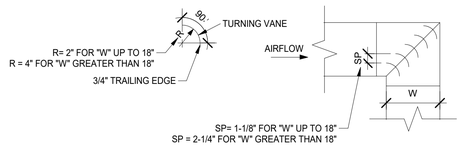


2 COOLING COIL DRAIN PAN TRAP DETAIL (ROOFTOP AIR HANDLING UNITS)
SCALE: N.T.S.



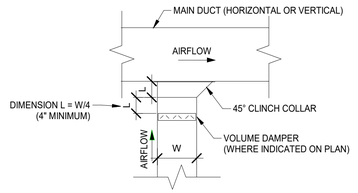
PLAN VIEW

FLEXIBLE DUCT CONNECTION

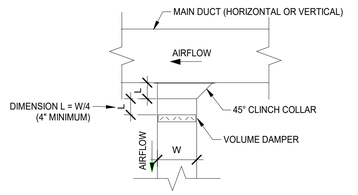


TURNING VANE DETAIL

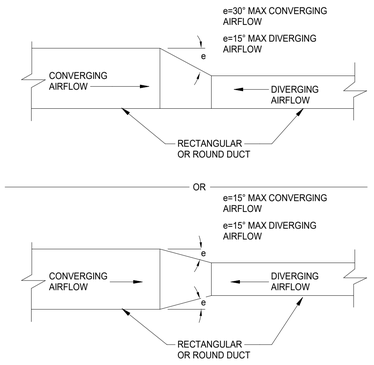
90° AND 45° RECTANGULAR DUCTS
SUPPLY, RETURN AND EXHAUST DUCTS



BRANCH DUCT DETAIL (RETURN OR EXHAUST)



BRANCH DUCT DETAIL (SUPPLY)



ON DUCTWORK TRANSITIONING ON ALL FOUR SIDES, NONE OF THE TRANSITION ANGLES MAY EXCEED 15°.

TRANSITION DETAILS

GENERAL DUCT CONSTRUCTION NOTES:

1. DUCT SIZES SHOWN ON PLANS.
2. REFER TO SMACNA DUCT CONSTRUCTION STANDARDS FOR FURTHER DETAILS.

1 DUCT CONSTRUCTION DETAILS
SCALE: N.T.S.

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101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

MECHANICAL DETAILS - 2

DRAWING NUMBER M5.2
MECHANICAL

ROOFTOP UNIT SCHEDULE

TAG		MANUFACTURER	MODEL	AIRFLOW (CFM)		SUPPLY FAN								RETURN/EXHAUST FAN						CIRCUIT	
								STATIC PRESSURE DROP (IN WG)		BHP	HP	ELECTRICAL DATA				STATIC PRESSURE (IN WG)		BHP	HP	ELECTRICAL		VOLTAGE / PHASE	FLA / MCA / MOP
				TOTAL	MIN. OA	QUANTITY	CFM	TSP	ESP	(TOTAL)	(TOTAL)	VOLTAGE	PHASE	QUANTITY	CFM	TOTAL	EXTERNAL	(TOTAL)	(TOTAL)	VOLTAGE	PHASE		
RT	5	AAON	RNA-008-A	3840	1500	1	3,840	3.65	1.0	3.55	5	460	3	1	2,880	0.95	0.5	0.99	2	460	3	460 / 3	27 / 30 / 40
RT	6	AAON	RNA-013-B	4340	1380	1	4,340	3.25	2.0	3.31	7.5	460	3	1	1,380	1.46	0.75	0.61	1	460	3	460 / 3	41 / 44 / 50

ROOFTOP UNIT COIL SCHEDULE

TAG		MANUFACTURER	MODEL	AIRFLOW (CFM)		DX COOLING COIL								GAS FURNACE				DIMENSIONS (IN)			
						GROSS CAPACITY (MBH)		NET CAPACITY (MBH)		ENTERING AIR TEMPERATURE (°F)		LEAVING AIR TEMPERATURE (°F)					AIR TEMPERATURE (°F)				
				TOTAL CFM	MIN. OA	TOTAL	SENSIBLE	TOTAL	SENSIBLE	DRY BULB	WET BULB	DRY BULB	WET BULB	REFRIGERANT TYPE	TOTAL CAPACITY (MBH)	GAS INPUT (MBH)	ENTERING (DB)	LEAVING (DB)	LENGTH	WIDTH	HEIGHT	WEIGHT (LBS)
RT	5	AAON	RNA-008-A	3840	1500	103.9	95.5	93.8	85.4	80.3	65.8	57.1	56.8	R-454B	72.9	90.0	50.6	68.1	116.2	44.0	44.0	2,000
RT	6	AAON	RNA-013-B	4340	1380	156.9	117.5	147.7	108.2	76.2	63.5	51.0	50.5	R-454B	158.0	195.0	64.7	98.0	128.2	59.0	50.1	3,000

ROOFTOP UNIT ENERGY WHEEL SCHEDULE

TAG		MANUFACTURER	AIRFLOW (CFM)		PRESSURE DROP (IN WG)		SUMMER DESIGN CONDITIONS										WINTER CONDITIONS										RECOVERED LOAD (MBH)		FILTER					
							OUTSIDE AIR (°F)		RETURN AIR (°F)		SUPPLY AIR (°F)		EXHAUST AIR (°F)		EFFECTIVENESS (%)			OUTSIDE AIR (°F)		RETURN AIR (°F)		SUPPLY AIR (°F)		EXHAUST AIR (°F)		EFFECTIVENESS (%)									
			OUTDOOR AIR/ SUPPLY	RETURN/ EXHAUST	SUPPLY AIR	EXHAUST AIR	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	LATENT	SENSIBLE	TOTAL	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	LATENT	SENSIBLE	TOTAL	SUMMER TOTAL	WINTER TOTAL	TYPE	DEPTH (IN)	CLEAN AIR PRESSURE DROP (WG)	EFFICIENCY	VOLTAGE / PHASE	NOTES
RT	5	AAON	1,500 / 3,840	2,340 / 540	0.66	0.24	95.0	75.0	75.0	62.0	88.6	71.2	92.6	73.7	85.4	82.7	84.4	0.0	-1.0	70.0	52.0	20.3	18.4	8.3	7.0	85.3	82.7	83.2	21.2	40.8	PLEATED	2	0.59	MERV 8	460 / 3	1, 2 ,3, 4, 5, 7, 8, 9, 10, 11
RT	6	AAON	1,380 / 4,340	2,960 / 1,380	0.50	0.45	92.0	74.0	75.0	62.5	78.6	65.6	88.3	71.4	72.9	78.6	75.3	0.0	-1.0	70.0	58.0	53.5	47.4	17.1	17.0	73.4	78.6	77.0	43.1	114.6	PLEATED	2	0.36	MERV 8	460 / 3	1, 2, 3, 4, 6, 7, 8, 9, 10

NOTES:
1. PROVIDE VFD AND DISCONNECT PER DIVISION 26 SPECIFICATIONS.
2. PROVIDE WEATHER PROOF GFI CONVENIENCE OUTLET, AND CONTROL PANEL LED SERVICE LIGHTING.
3. PROVIDE SUPPLY AND RETURN AIR SMOKE DETECTOR AS PER DIVISON 28 SPECIFICATIONS.
4. PROVIDE ROOF CURB TO EXTEND 18" ABOVE TOP OF ROOF SURFACE.
5. REFER TO M7.2 FOR CONTROLS AND 9/M5.1 FOR MORE INFORMATION.
6. REFER TO M7.3 FOR CONTROLS AND 10/M5.1 FOR MORE INFORMATION.
7. PROVIDE OUTSIDE, RETURN, RETURN TO EXHAUST BYPASS, AND RELIEF AIR BYPASS DAMPERS.
8. PROVIDE OUTSIDE, RETURN, AND RELIEF AIR RECIRCULATION DAMPERS.
9. PROVIDE OUTSIDE, RETURN AIR FLOW MEASURING, AND CO2 SENSORS.
10. PROVIDE THREE (3) FILTERS ON OA AND EA BEFORE ENTERING ERV, AND SUPPLY BEFORE HEATING.
11. PROVIDE CURB ADAPTER AS REQUIRED.

EXISTING EXHAUST FAN SCHEDULE

TAG		ROOM SERVED	AIRFLOW (CFM)	EXTERNAL SP (IN WG)	MOTOR (HP)	ELECTRICAL DATA		WEIGHT (LBS)	NOTES
						VOLTAGE	PHASE		
EX-EF	2	MEN'S TOILET ROOM (C125)	960	0.5	0.25	115	1	14.5	1, 2

NOTES:
1. EXISTING EXHAUST FAN TO REMAIN AND BE REUSED. REFER TO MD2.1 FOR ADDITIONAL DETAILS.
2. INFORMATION PROVIDED FOR REFERENCE ONLY AND CONTRACTOR SHALL FIELD VERIFY FOR EXACT CONDITION AND OPERATION.

SMOKE EXHAUST FAN SCHEDULE

TAG		MANUFACTURER	MODEL	AIRFLOW (CFM)	EXTERNAL SP (IN WG)	MOTOR (RPM)	MOTOR (HP)	ELECTRICAL DATA			WEIGHT (LBS)	NOTES
								VOLTAGE	PHASE	FLA		
SEF	1	GREENHECK	CUBE-160	2,750	0.5	1,149	3/4	208	3	3.5	100	1, 2, 3, 4, 5
SEF	2	GREENHECK	CUBE-160	1,700	0.5	875	1/3	460	3	1.1	100	1, 2, 3, 4, 5

NOTES:
1. PROVIDE STARTER AND DISCONNECT AS PER DIVISION 26 SPECIFICATIONS.
2. REFER TO CONTROLS ON SHEET M7.4.
3. REFER TO DETAIL 1/M5.1 FOR ADDITIONAL INFORMATION.
4. FANS SHALL BE UL LISTED FOR SMOKE CONTROL.
5. PROVIDE HINGED CURB CAP OR BASE AND BIRDSCREEN.

ELECTRIC WALL HEATER

TAG		MANUFACTURER	MODEL	CAPACITY (MBH)	AIRFLOW (CFM)	MOUNTING HEIGHT (A.F.F.)	ELECTRICAL DATA			NOTES
							VOLTAGE	PHASE	KW	
EWH	1	QMARK	AWH 3150F	5.1	100	8"	120	1	1.5	1, 2, 3, 4
EWH	2	QMARK	AWH 3150F	5.1	100	8"	120	1	1.5	1, 2, 3, 4

NOTES:
1. PROVIDE INTEGRAL THERMOSTAT WITH LABEL.
2. PROVIDE THERMAL OVERLOAD PROTECTION, BUILT-IN DISCONNECT SWITCH, FAN DELAY SWITCH, AND SURFACE MOUNT KITS.
3. PROVIDE OPTIONAL RELAY AND CONNECT TO BMS FOR MONITORING PURPOSE.
4. COLORS AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLOR RANGE.

FAN POWERED VAV SCHEDULE

TAG		MANUFACTURER	MODEL	SIZE	INLET DIAMTER (IN)	AIR FLOW (CFM)			HEATING CAPACITY (kW)	AIR TEMPERATURE (°F)		DOWNSTREAM SP (IN WG)	ELECTRIC REHEAT COIL DATA					FAN				DIMENSIONS (IN)			WEIGHT (LBS)	NOTES
						FAN FLOW	MIN/MAX PRIMARY	HEATING CFM		ENTERING	LEAVING		VOLT	PH	MCA	MOP	EC TYPE	MOTOR TYPE	HP	VOLT	PH	LENGTH	WIDTH	HEIGHT		
FPVAV	6-2	PRICE	FDC	30	08	1060	690/1060	690	11.1	55	95	0.25	277	1	54.8	60	SCR	ECM	1/2	277	1	56	26	18-1/2	129.5	1, 2, 3, 4, 5
FPVAV	6-4	PRICE	FDC	30	08	1060	690/1060	690	11.1	55	95	0.25	277	1	54.8	60	SCR	ECM	1/2	277	1	56	26	18-1/2	129.5	1, 2, 3, 5

NOTES:
1. PROVIDE STARTER/DISCONNECT PER DIVISION 26.
2. REFER TO DETAIL 11/M5.1 FOR ADDITIONAL INFORMATION.
3. REFER TO DETAIL 5/M7.1 FOR ADDITIONAL INFORMATION ON CONTROLS.
4. PROVIDE CEILING ACCESS DOOR.
5. CONTRACTOR TO COORDINATE FOR COIL ACCESS AND CONTROL PANEL TO BE ON LEFT OR RIGHT SIDE.

SHUTOFF VAV BOX SCHEDULE

TAG		MANUFACTURER	MODEL	SIZE	INLET DIAMETER (IN)	AIRFLOW (CFM)			HEATING CAPACITY (kW)	AIR TEMPERATURE (°F)		DOWNSTREAM SP (IN WG)	ELECTRIC REHEAT COIL DATA					NC	WEIGHT (LBS)	NOTES
						MAX PRIMARY	MIN PRIMARY	REHEAT		ENTERING	LEAVING		VOLT	PH	MCA	MOP	EC TYPE			
VAV	5-1	PRICE	SDV	10	10	870	870	870	10.9	55	95	0.25	277	1	53.6	60	SCR	21	50	1, 2, 3, 4, 5
VAV	5-2	PRICE	SDV	10	10	1,600	890	890	11.1	55	95	0.25	277	1	54.6	60	SCR	29	50	1, 2, 3, 4, 5
VAV	5-3	PRICE	SDV	08	08	880	440	440	5.5	55	95	0.25	277	1	27.1	30	SCR	31	42	1, 2, 3, 4, 5
VAV	5-4	PRICE	SDV	08	08	490	245	245	3.1	55	95	0.25	277	1	15.2	20	SCR	24	42	1, 2, 3, 4, 5
VAV	6-1	PRICE	SDV	06	06	240	120	120	1.5	55	95	0.25	277	1	7.4	15	SCR	25	38	1, 2, 3, 5
VAV	6-3	PRICE	SDV	08	08	520	260	260	3.2	55	95	0.25	277	1	15.7	20	SCR	25	42	1, 2, 3, 4, 5
VAV	6-5	PRICE	SDV	10	10	1,460	730	730	9.1	55	95	0.25	277	1	44.8	45	SCR	28	50	1, 2, 3, 5

NOTES:
1. PROVIDE STARTER/DISCONNECT PER DIVISION 26.
2. REFER TO DETAIL 8/M5.1 FOR ADDITIONAL INFORMATION.
3. REFER TO DETAIL 1/M7.1 FOR ADDITIONAL INFORMATION ON CONTROLS.
4. PROVIDE CEILING ACCESS DOOR.
5. CONTRACTOR TO COORDINATE FOR COIL ACCESS AND CONTROL PANEL TO BE ON LEFT OR RIGHT SIDE.

MECHANICAL VIBRATION ISOLATION SCHEDULE

EQUIPMENT	LOCATION	ELEVATION FROM GRADE	BASE TYPE	ISOLATOR TYPE	MIN. STATIC DEFLECTION (IN)	SEISMIC RESTRAINT
RT-5	ROOF	14'-11"	D	4	0.75	NO
RT-6	ROOF	14'-11"	D	4	0.75	NO
CONDENSING UNITS	ROOF	14'-11"	A	4	0.75	NO
FAN POWERED VAV BOXES	MECHANICAL D119	VARIES	A	4	0.75	NO
SHUTOFF TYPE VAV BOXES	VARIES	VARIES	A	4	0.75	NO
SMOKE EXHAUST FANS	ROOF	14'-11"	B	4	0.75	NO

NOTE: THESE ARE MINIMUM REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
NOTES:
1. BASE TYPES
   A = DIRECT ISOLATION
   B = STRUCTURAL STEEL RAILS OR BASE
   C = CONCRETE INERTIA BASE
   D = CURB-MOUNTED BASE
2. ISOLATOR TYPES
   TYPE - 1 = FIBERGLASS OR NEOPRENE PAD
   TYPE - 2 = FLOOR ISOLATOR OR HANGER
   TYPE - 3 = SPRING FLOOR ISOLATOR OR HANGER
   TYPE - 4 = RESTRAINED SPRING ISOLATOR

AIR COOLED CONDENSING UNIT SCHEDULE

TAG		MANUFACTURER	MODEL	EQUIPMENT SERVED	NOMINAL TONS	DESIGN AMBIENT TEMP. (°F)	REF. TYPE	SYSTEM ELECTRICAL DATA			WEIGHT (LBS)	NOTES
								VOLTAGE	PHASE	MCA		
ACCU	1	HITACHI	PAS-30BUFASDQ1-LAC	DS-1	3	95	R32	208	1	15.7	199.2	1, 2

NOTES:
1. PROVIDE WITH MIN 14-GAUGE, POWDER COATED, AND 24" HIGH SINGLE FAN STAND.
2. REFER TO DETAIL 6/M5.1 FOR ADDITIONAL INFORMATION.

DUCTLESS SPLIT INDOOR UNIT SCHEDULE

TAG		MANUFACTURER	MODEL	AREA SERVED	AIRFLOW (CFM)	RATED COOLING CAPACITY (MBH)	RATED HEATING CAPACITY (MBH)	WEIGHT (LBS)	NOTES
DS	1	HITACHI	PPK-B30UFA1DQ	C122 - SECURITY	980	30	32	54	1, 2, 3, 4, 5

NOTES:
1. REFER TO AIR COOLED CONDENSER SCHEDULE FOR SYSTEM ELECTRICAL DATA.
2. CONTRACTOR SHALL PROVIDE TEMPERATURE SENSOR IN EACH ROOM WITH DUCTLESS SPLIT UNIT TO BE INTERFACED WITH BUILDING AUTOMATION SYSTEM VIA OPTIONAL BACNET GATEWAY. PROVIDE ALARMS IF TEMPERATURE EXCEEDS 85 F (ADJ.)
3. PROVIDE OPTIONAL WALL-MOUNTED BACNET COMPATIBLE WIRED THERMOSTAT, AUX HEAT CN25 CONNECTOR, AND FRONT WIND BAFFLE.
4. PROVIDE OPTIONAL CONDENSATE PUMP. UNIT SHALL BE POWERED VIA OUTDOOR UNIT.
5. REFER TO DETAIL 6/M5.1 FOR ADDITIONAL INFORMATION.

AIR TERMINAL SCHEDULE

TAG	MANUFACTURER	MODEL	MAX CFM	PANEL SIZE (IN)	NECK SIZE (IN)	STYLE	INSTALLATION	FINISH	PRESSURE (IN.)	NC	THROW	NOTES
ES-1	PRICE	MSPG	120	12x12	10x10	MAXIMUM SECURITY PERFORATED FACE GRILLE	WALL	BRUSHED ALUMINUM	0.010	-	-	1, 2
ES-2	PRICE	MSPG	1,700	24x24	22x22	MAXIMUM SECURITY PERFORATED FACE GRILLE	CEILING	WHITE POWDER COAT	0.123	18	-	2
RA-1	PRICE	530L	240	10x10	8x8	45° DEFLECTION; 3/4" SPACING; RETURN LOUVERED GRILLE	DUCT	WHITE POWDER COAT	0.044	16	-	-
RA-2	PRICE	530L	1,460	18x20	16x18	45° DEFLECTION; 3/4" SPACING; RETURN LOUVERED GRILLE	DUCT	WHITE POWDER COAT	0.099	32	-	-
RA-3	PRICE	80 SERIES	490	24x24	22x22	0° CORE, 1/2"x1/2"x1/2" GRID; EGG CRATE GRILLE	CEILING	WHITE POWDER COAT	0.013	-	-	4
RS-1	PRICE	MSRRP	250	12x12	10x10	MAXIMUM SECURITY PERFORATED FACE GRILLE	CEILING	WHITE POWDER COAT	0.048	-	-	2
RS-2	PRICE	MSRRP	1,510	24x24	22x22	MAXIMUM SECURITY PERFORATED FACE GRILLE	CEILING	WHITE POWDER COAT	0.112	30	-	2, 4
SA-1	PRICE	SCDA	120	12x12	6	3-CONE; ADJUSTABLE SQUARE CONE DIFFUSER	DUCT	WHITE POWDER COAT	0.063	-	3-5-8	-
SA-2	PRICE	SCDA	125	24x24	6	4-CONE; ADJUSTABLE SQUARE CONE DIFFUSER	CEILING	WHITE POWDER COAT	0.033	-	2-3-6	-
SA-3	PRICE	SCDA	365	24x24	10	4-CONE; ADJUSTABLE SQUARE CONE DIFFUSER	DUCT	WHITE POWDER COAT	0.069	<20	4-6-10	-
SS-1	PRICE	MSRRP	110	8x8	6x6	MAXIMUM SECURITY DIFFUSER	WALL	WHITE POWDER COAT	0.023	-	9-14-27	1. 2
SS-2	PRICE	MSRRCD	170	12x12	10x10	MAXIMUM SECURITY DIFFUSER	CEILING	WHITE POWDER COAT	0.025	-	4-6-11	2, 3
SS-3	GORDON	PLD-MS	100	24x24	6	MAXIMUM SECURITY DIFFUSER	CEILING	WHITE POWDER COAT	0.016	<20	1-2-3	2, 3
SS-4	GORDON	PLD-MS	270	24x24	8	MAXIMUM SECURITY DIFFUSER	CEILING	WHITE POWDER COAT	0.057	33	5-8-9	2, 3
SS-5	GORDON	PLD-MS	500	24x24	10	MAXIMUM SECURITY DIFFUSER	CEILING	WHITE POWDER COAT	0.064	39	7-9-11	2, 3
TS-1	PRICE	MSRRP	370	12x12	10x10	MAXIMUM SECURITY PERFORATED FACE GRILLE	CEILING	WHITE POWDER COAT	0.108	<26	-	2

NOTES:
1. GRILLES AND DIFFUSERS LOACTED IN WET AND HIGH HUMIDITY AREAS SHALL BE PROVIDED WITH BRUSHED ALUMINUM FINISH OR STAINLESS STEEL FINISH.
2. PROVIDE REMOTE DAMPER OPERATORS FOR SECURITY DIFFSUERS NOT AVAILABLE WITH INTEGRAL FRONT OPERATED VOLUME DAMPERS. REMOTE OPERATOR TO BE PROVIDED FOR VOLUME DAMPERS LOCATED ABOVE SECURITY CEILINGS WITHOUT NEARBY ACCESS DOOR. THE OPERATOR SHALL BE PROVIDED WITH A FLUSH CEILING MOUNTED COVERPLATE WITH SECURITY SCREWS.
3. PROVIDE WITH 4 WAY THROW.
4. ALL OPEN AIR PLENUM RETURN GRILLES SHALL BE INSTALLED WITH BOOT REGARDLESS IF IT IS SPECIFICALLY SHOWN OR NOT ON THE PLAN.

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DLZ Architecture, Inc.

STATE OF OHIO — KYUNG-HOON MIN — PE.83997 — REGISTERED PROFESSIONAL ENGINEER — 2026.09.22 10:22:00

NO.	REVISION	DATE

DRAWN: JW | CHK'D: ML | DESIGNED: KB | APPR'D: KB | DATE: SEPTEMBER 25, 2026

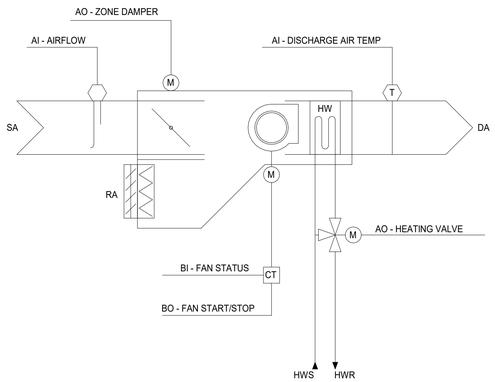
PROJECT NUMBER 2421-4009-00

MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD MT GILEAD, OHIO 43338

MECHANICAL EQUIPMENT SCHEDULES - 1

DRAWING NUMBER M6.1 MECHANICAL

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - MECH.rvt
9/22/2026 12:14:17 PM



1) RUN CONDITIONS - SCHEDULED:
THE UNIT SHALL RUN AS PER USER DEFINED SCHEDULE (ADJ.). AS FOLLOWS

I) OCCUPIED MODE:
A) 75°F (ADJ.) COOLING SETPOINT.
B) 70°F (ADJ.) HEATING SETPOINT.

II) UNOCCUPIED MODE:
A) 85°F (ADJ.) COOLING SETPOINT.
B) 55°F (ADJ.) HEATING SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

I) HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

II) LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

2) REVERSING VARIABLE VOLUME TERMINAL UNIT - FLOW CONTROL:
THE UNIT SHALL MAINTAIN ZONE SETPOINTS BY CONTROLLING THE AIRFLOW THROUGH ONE OF THE FOLLOWING:

A) OCCUPIED:

I) WHEN ZONE TEMPERATURE IS GREATER THAN ITS COOLING SETPOINT, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM COOLING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

II) WHEN THE ZONE TEMPERATURE IS BETWEEN THE COOLING SETPOINT AND THE HEATING SETPOINT, THE ZONE DAMPER SHALL MAINTAIN THE MINIMUM REQUIRED ZONE VENTILATION (ADJ.).

III) WHEN ZONE TEMPERATURE IS LESS THAN ITS HEATING SETPOINT, THE CONTROLLER SHALL ENABLE HEATING TO MAINTAIN THE ZONE TEMPERATURE AT ITS HEATING SETPOINT. ADDITIONALLY, IF WARM AIR IS AVAILABLE FROM THE AHU, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM HEATING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

B) UNOCCUPIED:

I) WHEN THE ZONE IS UNOCCUPIED THE ZONE DAMPER SHALL MODULATE TO ITS MINIMUM UNOCCUPIED AIRFLOW (ADJ.).

II) WHEN THE ZONE TEMPERATURE IS GREATER THAN ITS COOLING SETPOINT, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM UNOCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM COOLING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

III) WHEN ZONE TEMPERATURE IS LESS THAN ITS UNOCCUPIED HEATING SETPOINT, THE CONTROLLER SHALL ENABLE HEATING TO MAINTAIN THE ZONE TEMPERATURE AT THE SETPOINT. ADDITIONALLY, IF WARM AIR IS AVAILABLE FROM THE AHU, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM UNOCCUPIED AIRFLOW (ADJ.) AND THE AUXILIARY HEATING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

3) FAN CONTROL - SERIES:
THE FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN. THE FAN SHALL RUN FOR A MINIMUM USER DEFINABLE TIME (ADJ.). THE ZONE DAMPER WILL CLOSE COMPLETELY BEFORE THE FAN STARTS TO PREVENT AIR FROM THE AHU FROM CAUSING THE FAN TO SPIN BACKWARD. THE ZONE DAMPER WILL RETURN TO AUTOMATIC CONTROL AFTER THE FAN STARTS.

4) HEATING COIL VALVE:

THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE REHEATING COIL VALVE OPEN ON DROPPING TEMPERATURE TO MAINTAIN ITS HEATING SETPOINT.

5) DISCHARGE AIR TEMPERATURE:

THE CONTROLLER SHALL MONITOR THE DISCHARGE AIR TEMPERATURE.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) HIGH DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).

II) LOW DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS LESS THAN 40°F (ADJ.).

6) FAN STATUS:

THE CONTROLLER SHALL MONITOR THE FAN STATUS.
A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
II) FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
III) FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

7) ZONE SETPOINT ADJUSTMENT :

THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR.

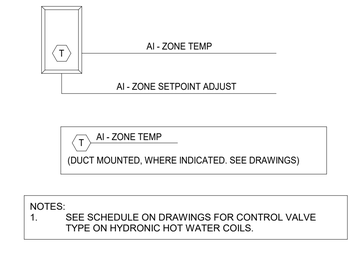
OCCUPANTS SHALL NOT BE ABLE TO ADJUST THE ZONE TEMPERATURE WHERE TEMPERATURE SENSORS ARE PRESENT IN DUCTWORK. THE ZONE SENSOR SHALL SEND A SIGNAL TO THE CONTROLLER TO MAINTAIN THE ZONE TEMPERATURE. ZONE TEMPERATURE MAY ONLY BE ADJUSTED THROUGH THE BUILDING MANAGEMENT SOFTWARE.

8) SMOKE CONTROL ACTIVATION:
IF A SMOKE DETECTOR IS ACTIVATED IN THE DAYROOM (OR ANY OTHER ZONE INDICATED ON SMOKE CONTROL DRAWINGS), THE ASSOCIATED BOX SHALL OPEN TO 100% SUPPLY AIR AND RECIRCULATION DAMPER SHALL CLOSE.

REFER TO SHEET M7.4 FOR ADDITIONAL INFORMATION.

9) DEMAND CONTROLLED VENTILATION BASED ON CO2 CONCENTRATION:
WHEN IN OCCUPIED MODE, THE CONTROLLER SHALL MEASURE THE ZONE CO2 CONCENTRATION AND MODULATE THE ZONE DAMPER OPEN ON RISING CO2 CONCENTRATIONS, OVERRIDING THE NORMAL DAMPER OPERATION TO MAINTAIN A CO2 SETPOINT OF NOT MORE THAN 800 PPM (ADJ.)

5 SERIES FAN POWERED BOX CONTROL SCHEMATIC
SCALE: N.T.S.



NOTES:
1. SEE SCHEDULE ON DRAWINGS FOR CONTROL VALVE TYPE ON HYDRONIC HOT WATER COILS.

4 MISCELLANEOUS MONITORING POINTS
SCALE: N.T.S.

1) DOMESTIC WATER BOOSTER PUMP (DWBP-1):
INTERFACE WITH DOMESTIC WATER BOOSTER PUMP CONTROLLER FOR MONITORING.

2) DOMESTIC HOT WATER RECIRCULATION PUMP (RCP-1):
INTERFACE WITH DOMESTIC HOT WATER RECICULATION PUMP CONTROLLER FOR MONITORING.

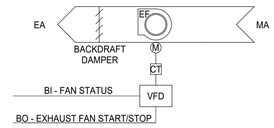
3) ELECTRIC WALL HEATERS (EWH-1 AND EWH-2):
INTERFACE WITH MANUFACTURER AVAILABLE MONITORING POINTS AND PROVIDE ALARMS IF TEMPERATURE DROPS BELOW 40°F (ADJ.).

4) DUCTLESS SPLIT SYSTEM (DS-1):
MONITOR TEMPERATURE IN EACH OF THE ROOMS SERVED BY DUCTLESS SPLIT UNITS. PROVIDE ALARMS AS BELOW:

A. COOLING MODE: IF TEMPERATURE RISED ABOVE 85°F (ADJ.)
B. HEATING MODE: IF TEMPERATURE FALLS BELOW 40°F (ADJ.)

5) DIGITAL THERMOSTATIC MASTER MIXING VALVE (DMV-1):
MONITOR ALL POINTS AVAILABLE FROM DIGITAL MIXING VALVE.

6) THERMOSTATIC MIXING VALVES (TMV-1 AND TMV-2):
MONITOR THE TEMPERATURE DOWNSTREAM OF EACH THERMOSTATIC MIXING VALVE. PROVIDE TEMPERATURE SENSOR ON OUTLET PIPE.

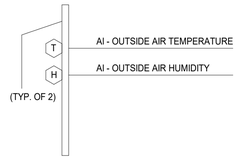


1) EXHAUST FAN RUN CONDITIONS - SCHEDULED:
THE FAN SHALL RUN ACCORDING TO USER DEFINED SCHEDULE (ADJ.)

2) FAN STATUS:
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
II) FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
III) FAN RUNTIME EXCEEDED: FAN RUNTIME EXCEEDS USER DEFINED LIMIT (ADJ.).

3 EXHAUST FAN CONTROL SCHEMATIC
SCALE: N.T.S.



1) OUTSIDE AIR CONDITIONS:

THE CONTROLLER SHALL MONITOR THE OUTSIDE AIR TEMPERATURE AND HUMIDITY AND CALCULATE THE OUTSIDE AIR ENTHALPY ON A CONTINUAL BASIS. THESE VALUES SHALL BE MADE AVAILABLE TO THE SYSTEM AT ALL TIMES.

A) ALARM SHALL BE GENERATED AS FOLLOWS:

I) SENSOR FAILURE: SENSOR READING INDICATES SHORTED OR DISCONNECTED SENSOR. IN THE EVENT OF A SENSOR FAILURE, AN ALTERNATE OUTSIDE AIR CONDITION SENSOR SHALL BE MADE AVAILABLE TO THE SYSTEM WITHOUT INTERRUPTION IN SENSOR READINGS.

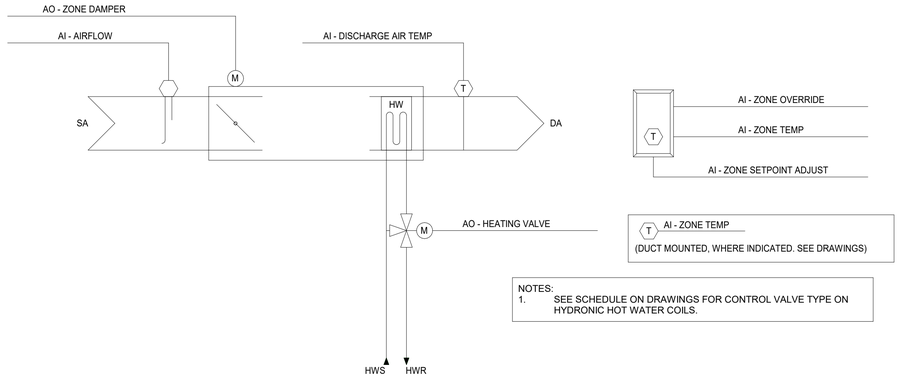
II) IF AN OUTSIDE AIR TEMPERATURE SENSOR CANNOT BE READ, LAST KNOWN OUTSIDE AIR TEMPERATURE SHALL BE USED AS A DEFAULT VALUE.

III) IF AN OUTSIDE AIR HUMIDITY SENSOR CANNOT BE READ, A DEFAULT VALUE OF 50% WILL BE USED.

2) OUTSIDE AIR TEMPERATURE HISTORY:

THE CONTROLLER SHALL MONITOR AND RECORD THE HIGH AND LOW TEMPERATURE READINGS FOR THE OUTSIDE AIR. THESE READINGS SHALL BE RECORDED ON A DAILY, MONTHLY, AND YEARLY BASIS.

2 OUTSIDE AIR CONDITIONS CONTROL SCHEMATIC
SCALE: N.T.S.



NOTES:
1. SEE SCHEDULE ON DRAWINGS FOR CONTROL VALVE TYPE ON HYDRONIC HOT WATER COILS.

1) RUN CONDITIONS - SCHEDULED:
THE UNIT SHALL RUN AS PER USER DEFINED SCHEDULE (ADJ.). AS FOLLOWS

I) OCCUPIED MODE:
A) 75°F (ADJ.) COOLING SETPOINT.
B) 70°F (ADJ.) HEATING SETPOINT.

II) UNOCCUPIED MODE:
A) 85°F (ADJ.) COOLING SETPOINT.
B) 55°F (ADJ.) HEATING SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

I) HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

II) LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

2) ZONE SETPOINT ADJUST:
THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR WHEREVER INDICATED ON THE DRAWINGS.

OCCUPANTS SHALL NOT BE ABLE TO ADJUST THE ZONE TEMPERATURE WHERE TEMEPERATURE SENSORS ARE PRESENT IN DUCTWORK (INMATE OCCUPIED AREAS). THE ZONE SENSOR SHALL SEND A SIGNAL TO THE CONTROLLER TO MAINTAIN THE ZONE TEMPERATURE. ZONE TEMPERATURE MAY ONLY BE ADJUSTED THROUGH THE BUILDING MANAGEMENT SOFTWARE.

3) REVERSING VARIABLE VOLUME TERMINAL UNIT - FLOW CONTROL:
THE UNIT SHALL MAINTAIN ZONE SETPOINTS BY CONTROLLING THE AIRFLOW THROUGH ONE OF THE FOLLOWING:

A) OCCUPIED:

I) WHEN ZONE TEMPERATURE IS GREATER THAN ITS COOLING SETPOINT, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM COOLING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

II) WHEN THE ZONE TEMPERATURE IS BETWEEN THE COOLING SETPOINT AND THE HEATING SETPOINT, THE ZONE DAMPER SHALL MAINTAIN THE MINIMUM REQUIRED ZONE VENTILATION (ADJ.).

III) WHEN ZONE TEMPERATURE IS LESS THAN ITS HEATING SETPOINT, THE CONTROLLER SHALL ENABLE HEATING TO MAINTAIN THE ZONE TEMPERATURE AT ITS HEATING SETPOINT. ADDITIONALLY, IF WARM AIR IS AVAILABLE FROM THE AHU, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM HEATING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

B) UNOCCUPIED:

I) WHEN THE ZONE IS UNOCCUPIED THE ZONE DAMPER SHALL CONTROL TO ITS MINIMUM UNOCCUPIED AIRFLOW (ADJ.).

II) WHEN THE ZONE TEMPERATURE IS GREATER THAN ITS COOLING SETPOINT, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM UNOCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM COOLING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

III) WHEN ZONE TEMPERATURE IS LESS THAN ITS UNOCCUPIED HEATING SETPOINT, THE CONTROLLER SHALL ENABLE HEATING TO MAINTAIN THE ZONE TEMPERATURE AT THE SETPOINT. ADDITIONALLY, IF WARM AIR IS AVAILABLE FROM THE AHU, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM UNOCCUPIED AIRFLOW (ADJ.) AND THE AUXILIARY HEATING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

4) HEATING COIL VALVE:
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE REHEATING COIL VALVE OPEN ON DROPPING TEMPERATURE TO MAINTAIN ITS HEATING SETPOINT.

5) DISCHARGE AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE DISCHARGE AIR TEMPERATURE.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) HIGH DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).

II) LOW DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS LESS THAN 40°F (ADJ.).

6) DEMAND CONTROLLED VENTILATION BASED ON CO2 CONCENTRATION:
WHEN IN OCCUPIED MODE, THE CONTROLLER SHALL MEASURE THE ZONE CO2 CONCENTRATION AND MODULATE THE ZONE DAMPER OPEN ON RISING CO2 CONCENTRATIONS, OVERRIDING THE NORMAL DAMPER OPERATION TO MAINTAIN A CO2 SETPOINT OF NOT MORE THAN 400 PPM (ADJ.)

7) SMOKE CONTROL ACTIVATION:
IF A SMOKE DETECTOR IS ACTIVATED IN THE DAYROOM (OR ANY OTHER ZONE INDICATED ON SMOKE CONTROL DRAWINGS), THE ASSOCIATED BOX SHALL OPEN TO 100% SUPPLY AIR AND RECIRCULATION DAMPER SHALL CLOSE.

REFER TO SHEET M7.4 FOR ADDITIONAL INFORMATION.

8) ZONE OVERRIDE (NON-INMATE AREAS):
OCCUPANT SHALL BE ABLE TO OVERRIDE OPERATION OF BOX TO 'OCCUPIED' MODE FOR A TIME OF TWO HOURS (ADJ.).

1 VAV SHUT-OFF BOX CONTROL SCHEMATIC
SCALE: N.T.S.

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STATE OF OHIO
KYUNG-HOON BANG
P.E.83997
REGISTERED PROFESSIONAL ENGINEER
2026.09.22 12:12:00

NO.	REVISION	DATE

DRAWN: JWV | CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

CONTROL SCHEMATICS - 1

DRAWING NUMBER M7.1
MECHANICAL

Autodesk Docs://Morrow County Jail/Morrow County Correctional Facility Expansion - MECH.rvt
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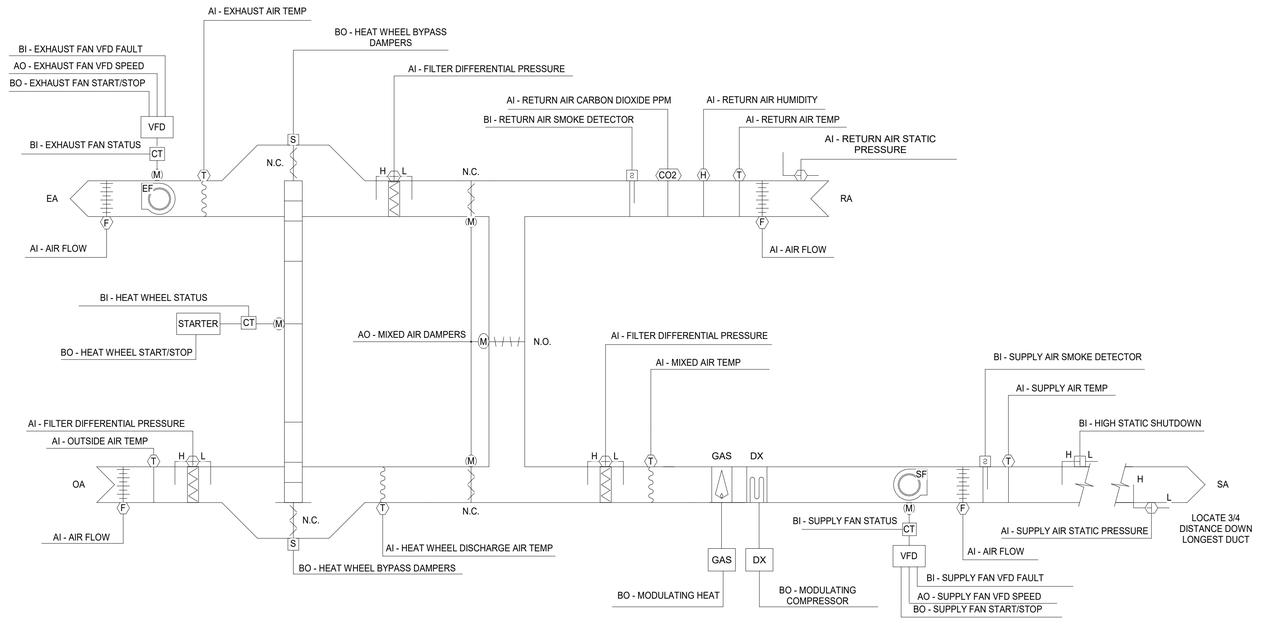

1) RUN CONDITIONS - SCHEDULED:
THE UNIT SHALL RUN ACCORDING TO USER DEFINED SCHEDULE (ADJ.) UNLESS SHUTDOWN ON SAFETIES.

2) EMERGENCY SHUTDOWN:
THE UNIT SHALL SHUTDOWN AND GENERATE AN ALARM UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL.

3) HIGH STATIC SHUTDOWN:
THE UNIT SHALL SHUTDOWN AND GENERATE AN ALARM UPON RECEIVING A HIGH STATIC SHUTDOWN SIGNAL.

4) SMOKE DETECTION:
THE UNIT SHALL SHUTDOWN AND GENERATE AN ALARM UPON RECEIVING RETURN OR SUPPLY AIR SMOKE DETECTOR STATUS.

5) SUPPLY FAN:
THE SUPPLY FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES. TO PREVENT SHORT CYCLING, THE SUPPLY FAN SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUN TIME.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
   I) SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
   II) SUPPLY FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON

6) SUPPLY AIR DUCT STATIC PRESSURE CONTROL:
THE CONTROLLER SHALL MEASURE DUCT STATIC PRESSURE AND MODULATE THE SUPPLY FAN VFD SPEED TO MAINTAIN A DUCT STATIC PRESSURE SETPOINT. THE SPEED SHALL NOT DROP BELOW MINIMUM FACTORY SEPOINT (ADJ.). THE STATIC PRESSURE SETPOINT SHALL BE RESET BASED ON THE POSITION OF ZONE DAMPERS, WITH A GOAL OF REDUCING THE STATIC PRESSURE UNTIL ATLEAST ONE ZONE DAMPER IS NEARLY WIDELY OPEN.

THE INITIAL DUCT STATIC PRESSURE SETPOINT SHALL BE 1.5 IN H2O (ADJ.).

IF NO ZONE DAMPER IS NEARLY WIDE OPEN, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 1.3 IN H2O (ADJ.)

AS ONE OR MORE DAMPERS NEARS THE WIDE OPEN POSITION, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 1.8 IN H2O (ADJ.).

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
   I) HIGH SUPPLY AIR STATIC PRESSURE: IF THE SUPPLY AIR STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
   II) LOW SUPPLY AIR STATIC PRESSURE: IF THE SUPPLY AIR STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.
   III) SUPPLY FAN VFD FAULT.

7) EXHAUST FAN CONTROL:
THE CONTROLLER SHALL MEASURE RETURN AIR STATIC PRESSURE (PROVIDED BY THE FACTORY AND INSTALLED BY DIV 23 CONTRACTOR) AND MODULATE THE EXHAUST FAN VFD SPEED TO MAINTAIN A STATIC PRESSURE SETPOINT OF 0.25 IN H2O (ADJ.). THE FAN VFD SPEED SHALL NOT DROP BELOW MINIMUM VENTILATION AIR REQUIRED BY THE SYSTEM (ADJ.).

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
   I) HIGH RETURN AIR STATIC PRESSURE: IF THE RETURN AIR STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
   II) LOW RETURN AIR STATIC PRESSURE: IF THE RETURN AIR STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.

8) COOLING MODE
CONTROLLER SHALL MONITOR THE OUTSIDE AIR TEMPERATURE AND TURN ON COOLING. UNIT SHALL MODULATE ITS DIGITAL SCROLL COMPRESSOR SPEED TO MAINTAIN DISCHARGE AIR TEMPERATURE OF 55 F.

A) COOLING SHALL BE ENABLED WHENEVER:
   I) OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
   II) AND ECONOMIZER IS DISABLED OR FULLY OPEN.
   III) AND THE SUPPLY FAN STATUS IS ON.
   IV) AND HEATING IS NOT ACTIVE.

9) HEATING MODE

CONTROLLER SHALL MONITOR OUTSIDE AIR TEMPERATURE AND TURN ON HEATING. UNIT SHALL MODULATE ITS GAS STAGES TO MAINTAIN DISCHARGE AIR TEMPERATURE OF 55 F.

A) HEATING SHALL BE ENABLED WHENEVER:
   I) OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
   II) AND ECONOMIZER IS DISABLED OR FULLY OPEN.
   III) AND THE SUPPLY FAN STATUS IS ON.
   IV) AND COOLING IS NOT ACTIVE.

10) ECONOMIZER:
THE CONTROLLER SHALL MEASURE MIXED AIR TEMPERATURE AND MODULATE THE ECONOMIZER DAMPERS IN SEQUENCE TO MAINTAIN A SETPOINT OF 2°F (ADJ.) LESS THAN SUPPLY AIR SETPOINT. THE OUTSIDE AIR DAMPER SHALL MAINTAIN A MINIMUM ADJUSTABLE POSITION OPEN TO MEET OUTSIDE AIR CFM AS INDICATED ON THE SCHEDULES (ADJ). WHENEVER OCCUPIED.

A) THE ECONOMIZER SHALL BE ENABLED WHENEVER:
   I) OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
   II) AND THE OUTSIDE AIR TEMPERATURE IS LESS THAN THE RETURN AIR TEMPERATURE.
   III) AND THE SUPPLY FAN STATUS IS ON.
   IV) AND THE OUTSIDE AIR ENTHALPY IS LESS THAN THE RETURN AIR ENTHALPY BY 1.5 BTU/LB (ADJ.).

B) THE ECONOMIZER SHALL CLOSE WHENEVER:
   I) MIXED AIR TEMPERATURE DROPS FROM 40°F TO 35°F (ADJ.).
   II) OR THE FREEZESTAT IS ON.
   III) OR ON LOSS OF SUPPLY FAN STATUS.
   IV) THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL CLOSE AND THE RETURN AIR DAMPER SHALL OPEN WHEN THE UNIT IS OFF

DURING ECONOMIZER MODE, OUTDOOR AIR DAMPER SHALL OPEN TO MAXIMUM CFM POSITION. IF DISCHARGE AIR TEMPERATURE STILL CANNOT BE MAINTAINED TO 55 F (ADJ.). MECHANICAL COOLING SHALL BE ALLOWED TO OPERATE TO MAINTAIN DISCHARGE SETPOINT.

11) MINIMUM OUTSIDE AIR VENTILATION - CARBON DIOXIDE (CO2) CONTROL:
WHEN IN THE OCCUPIED MODE, THE CONTROLLER SHALL MEASURE THE RETURN AIR CO2 CONCENTRATION AND MODULATE THE OUTSIDE AIR DAMPERS OPEN ON RISING CO2 CONCENTRATIONS, OVERRIDING NORMAL DAMPER OPERATION TO MAINTAIN A MAXIMUM CO2 SETPOINT OF 700 PPM (ADJ.).

12) FINAL FILTER DIFFERENTIAL PRESSURE MONITOR:
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FINAL FILTER.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
   I) FINAL FILTER CHANGE REQUIRED: FINAL FILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

13) ENERGY RECOVERY WHEEL (ERV)
WHENEVER OA ENTHALPY IS HIGHER THAN RA ENTHALPY, THE WHEEL SHALL BE TURNED ON AND BOTH OA AND EA BYPASS DAMPERS SHALL BE CLOSED. WHEN OA ENTHALPY IS LESS THAN RA ENTHALPY AND AHU IS COOLING (OR AIRSIDE ECONOMIZING), THE WHEEL SHALL BE TURNED OFF AND BOTH OA AND EA BYPASS DAMPERS SHALL BE OPEN.

WHEN THE AHU IS HEATING, THE WHEEL SHALL BE TURNED ON AS THE FIRST STAGE OF HEAT, THE OA BYPASS DAMPER SHALL BE CLOSED, AND THE EA BYPASS DAMPER SHALL MODULATE (AS NECESSARY) TO MAINTAIN DISCHARGE AIR TEMPERATURE AT SETPOINT (ADJ.).

IF THE OA TEMPERATURE DROPS BELOW THE FROST THRESHOLD SETPOINT (ADJ.) , THE OA BYPASS DAMPER SHALL MODULATE TO MAINTAIN, THE EXHAUST SIDE LEAVING TEMPERATURE AT SETPOINT. IF THE OA BYPASS DAMPER REACHES 100% OPEN FOR 5 MINUTES (ADJ.), THE WHEEL SHALL BE TURNED OFF TO PREVENT FROSTING.

PERIODIC SELF CLEANING: THE HEAT WHEEL SHALL RUN AT 5% SPEED (ADJ) FOR 10 SEC (ADJ.) EVERY 4 HOURS (ADJ.) THE UNIT RUNS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
   A) HEAT WHEEL ROTATION FAILURE: COMMANDED ON BUT THE STATUS IS OFF.
   B) HEAT WHEEL IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
   C) HEAT WHEEL VFD IN FAULT.

14) SMOKE CONTROL ACTIVATION:
IF A SMOKE DETECTOR IS ACTIVATED IN THE MEN'S DORM ROOM, THE OUTSIDE- AND EXHAUST AIR DAMPER SHALL OPEN TO 100% AIR AND MIXED AIR DAMPER SHALL CLOSE BYPASSING NORMAL DAMPER OPERATION.

REFER TO SHEET M7.4 FOR ADDITIONAL INFORMATION.

15) MIXED AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE MIXED AIR TEMPERATURE

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
   I) HIGH MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
   II) LOW MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

16) RETURN AIR CARBON DIOXIDE (CO2) CONCENTRATION MONITORING:
THE CONTROLLER SHALL MEASURE THE RETURN AIR CO2 CONCENTRATION.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
   I) HIGH RETURN AIR CARBON DIOXIDE CONCENTRATION: IF THE RETURN AIR CO2 CONCENTRATION IS GREATER THAN 1000PPM (ADJ.) WHEN IN THE UNIT IS RUNNING.

17) RETURN AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE RETURN AIR TEMPERATURE

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
   I) HIGH RETURN AIR TEMPERATURE: IF THE RETURN AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
   II) LOW RETURN AIR TEMP: IF THE RETURN AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

18) SUPPLY AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
   I) HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).
   II) LOW SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

19) RETURN AIR HUMIDITY:
THE CONTROLLER SHALL MONITOR THE RETURN AIR HUMIDITY

A). ALARMS SHALL BE PROVIDED AS FOLLOWS:
   I. HIGH RETURN AIR HUMIDITY: IF THE RETURN AIR HUMIDITY IS GREATER THAN 70% (ADJ.).
   II. LOW RETURN AIR HUMIDITY: IF THE RETURN AIR HUMIDITY IS LESS THAN 35% (ADJ.).

20) COMPRESSOR LOW AMBIENT LOCKOUT
COMPRESSOR OPERATION SHALL BE LOCKED OUT WHEN OUTDOOR AIR TEMPERATURE FALLS BELOW COMPRESSOR COOLING LOW AMBIENT LOCKOUT SETPOINT 10F (ADJ.).

21) REFRIGERANT LEAK DETECTION:
INCASE REFRIGERANT LEAK IS DETECTED AT THE REFRIGERANT DETECTOR WITH THE UNIT, THE COMPRESSORS SHALL BE TURNED OFF AND ROOFTOP UNIT SHALL OPERATE AT ITS FULL CFM.

1 RT-5 CONTROL SCHEMATIC
SCALE: N.T.S.

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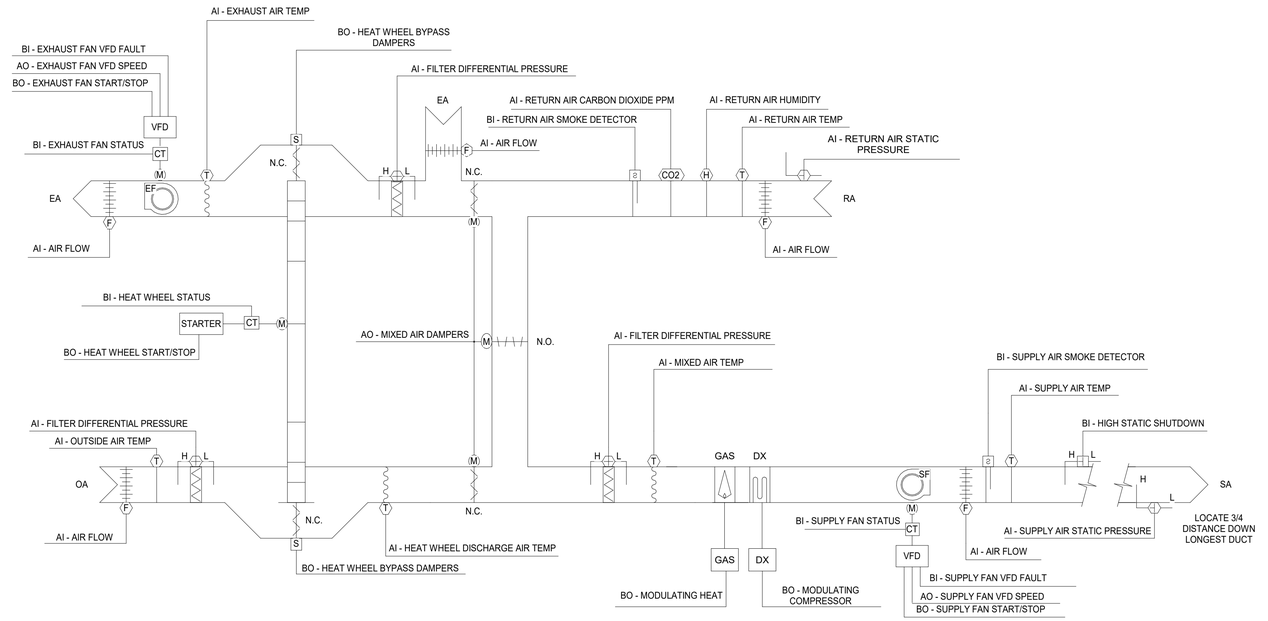
STATE OF OHIO
KYUNG-HOON BAE
P.E.83997
REGISTERED PROFESSIONAL ENGINEER
2026.09.22 12:12:00

NO.	REVISION	DATE

DRAWN: JW | CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
CONTROL SCHEMATICS - 2

DRAWING NUMBER M7.2
MECHANICAL



1) RUN CONDITIONS - SCHEDULED:
THE UNIT SHALL RUN ACCORDING TO USER DEFINED SCHEDULE (ADJ.) UNLESS SHUTDOWN ON SAFETIES.

2) EMERGENCY SHUTDOWN:
THE UNIT SHALL SHUTDOWN AND GENERATE AN ALARM UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL.

3) HIGH STATIC SHUTDOWN:
THE UNIT SHALL SHUTDOWN AND GENERATE AN ALARM UPON RECEIVING A HIGH STATIC SHUTDOWN SIGNAL.

4) SMOKE DETECTION:
THE UNIT SHALL SHUTDOWN AND GENERATE AN ALARM UPON RECEIVING RETURN OR SUPPLY AIR SMOKE DETECTOR STATUS.

5) SUPPLY FAN:
THE SUPPLY FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES. TO PREVENT SHORT CYCLING, THE SUPPLY FAN SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUN TIME.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
II) SUPPLY FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON

6) SUPPLY AIR DUCT STATIC PRESSURE CONTROL:
THE CONTROLLER SHALL MEASURE DUCT STATIC PRESSURE AND MODULATE THE SUPPLY FAN VFD SPEED TO MAINTAIN A DUCT STATIC PRESSURE SETPOINT. THE SPEED SHALL NOT DROP BELOW MINIMUM FACTORY SEPOINT (ADJ.). THE STATIC PRESSURE SETPOINT SHALL BE RESET BASED ON THE POSITION OF ZONE DAMPERS, WITH A GOAL OF REDUCING THE STATIC PRESSURE UNTIL ATLEAST ONE ZONE DAMPER IS NEARLY WIDELY OPEN.

THE INITIAL DUCT STATIC PRESSURE SETPOINT SHALL BE 1.5 IN H2O (ADJ.).

IF NO ZONE DAMPER IS NEARLY WIDE OPEN, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 1.3 IN H2O (ADJ.)

AS ONE OR MORE DAMPERS NEARS THE WIDE OPEN POSITION, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 1.8 IN H2O (ADJ.).

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) HIGH SUPPLY AIR STATIC PRESSURE: IF THE SUPPLY AIR STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
II) LOW SUPPLY AIR STATIC PRESSURE: IF THE SUPPLY AIR STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.
III) SUPPLY FAN VFD FAULT.

7) EXHAUST FAN CONTROL:
THE CONTROLLER SHALL MEASURE RETURN AIR STATIC PRESSURE (PROVIDED BY THE FACTORY AND INSTALLED BY DIV 23 CONTRACTOR) AND MODULATE THE EXHAUST FAN VFD SPEED TO MAINTAIN A STATIC PRESSURE SETPOINT OF 0.25 IN H2O (ADJ.). THE FAN VFD SPEED SHALL NOT DROP BELOW MINIMUM VENTILATION AIR REQUIRED BY THE SYSTEM (ADJ.).

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) HIGH RETURN AIR STATIC PRESSURE: IF THE RETURN AIR STATIC PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
II) LOW RETURN AIR STATIC PRESSURE: IF THE RETURN AIR STATIC PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.

8) COOLING MODE

CONTROLLER SHALL MONITOR THE OUTSIDE AIR TEMPERATURE AND TURN ON COOLING. UNIT SHALL MODULATE ITS DIGITAL SCROLL COMPRESSOR SPEED TO MAINTAIN DISCHARGE AIR TEMPERATURE OF 55 F.

A) COOLING SHALL BE ENABLED WHENEVER:
I) OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
II) AND ECONOMIZER IS DISABLED OR FULLY OPEN.
III) AND THE SUPPLY FAN STATUS IS ON.
IV) AND HEATING IS NOT ACTIVE.

9) HEATING MODE

CONTROLLER SHALL MONITOR OUTSIDE AIR TEMPERATURE AND TURN ON HEATING. UNIT SHALL MODULATE ITS GAS STAGES TO MAINTAIN DISCHARGE AIR TEMPERATURE OF 55 F.

A) HEATING SHALL BE ENABLED WHENEVER:
I) OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
II) AND ECONOMIZER IS DISABLED OR FULLY OPEN.
III) AND THE SUPPLY FAN STATUS IS ON.
IV) AND COOLING IS NOT ACTIVE.

10) ECONOMIZER:
THE CONTROLLER SHALL MEASURE MIXED AIR TEMPERATURE AND MODULATE THE ECONOMIZER DAMPERS IN SEQUENCE TO MAINTAIN A SETPOINT OF 2°F (ADJ.) LESS THAN SUPPLY AIR SETPOINT. THE OUTSIDE AIR DAMPER SHALL MAINTAIN A MINIMUM ADJUSTABLE POSITION OPEN TO MEET OUTSIDE AIR CFM AS INDICATED ON THE SCHEDULES (ADJ). WHENEVER OCCUPIED.

A) THE ECONOMIZER SHALL BE ENABLED WHENEVER:
I) OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
II) AND THE OUTSIDE AIR TEMPERATURE IS LESS THAN THE RETURN AIR TEMPERATURE.
III) AND THE SUPPLY FAN STATUS IS ON.
IV) AND THE OUTSIDE AIR ENTHALPY IS LESS THAN THE RETURN AIR ENTHALPY BY 1.5 BTU/LB (ADJ.).

B) THE ECONOMIZER SHALL CLOSE WHENEVER:
I) MIXED AIR TEMPERATURE DROPS FROM 40°F TO 35°F (ADJ.).
II) OR THE FREEZESTAT IS ON.
III) OR ON LOSS OF SUPPLY FAN STATUS.
IV) THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL CLOSE AND THE RETURN AIR DAMPER SHALL OPEN WHEN THE UNIT IS OFF

DURING ECONOMIZER MODE, OUTDOOR AIR DAMPER SHALL OPEN TO MAXIMUM CFM POSITION. IF DISCHARGE AIR TEMPERATURE STILL CANNOT BE MAINTAINED TO 55 F (ADJ.). MECHANICAL COOLING SHALL BE ALLOWED TO OPERATE TO MAINTAIN DISCHARGE SETPOINT.

11) MINIMUM OUTSIDE AIR VENTILATION - SPACE CARBON DIOXIDE (CO2) CONTROL:
WHEN IN THE OCCUPIED MODE, THE CONTROLLER SHALL MEASURE THE SPACE CO2 (WHERE INDICATED ON PLANS) CONCENTRATION AND MODULATE THE OUTSIDE AIR DAMPERS OPEN ON RISING CO2 CONCENTRATIONS, OVERRIDING NORMAL DAMPER OPERATION TO MAINTAIN A MAXIMUM CO2 SETPOINT OF 900 PPM (ADJ.).

THIS SHALL OVERRIDE THE RETURN AIR CO2 SENSOR.

12) FILTER DIFFERENTIAL PRESSURE MONITOR:
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FINAL FILTER.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) FINAL FILTER CHANGE REQUIRED: FINAL FILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

13) ENERGY RECOVERY WHEEL (ERV)
WHENEVER OA ENTHALPY IS HIGHER THAN RA ENTHALPY, THE WHEEL SHALL BE TURNED ON AND BOTH OA AND EA BYPASS DAMPERS SHALL BE CLOSED. WHEN OA ENTHALPY IS LESS THAN RA ENTHALPY AND AHU IS COOLING (OR AIRSIDE ECONOMIZING), THE WHEEL SHALL BE TURNED OFF AND BOTH OA AND EA BYPASS DAMPERS SHALL BE OPEN.

WHEN THE AHU IS HEATING, THE WHEEL SHALL BE TURNED ON AS THE FIRST STAGE OF HEAT, THE OA BYPASS DAMPER SHALL BE CLOSED, AND THE EA BYPASS DAMPER SHALL MODULATE (AS NECESSARY) TO MAINTAIN DISCHARGE AIR TEMPERATURE AT SETPOINT (ADJ.).

IF THE OA TEMPERATURE DROPS BELOW THE FROST THRESHOLD SETPOINT (ADJ.) , THE OA BYPASS DAMPER SHALL MODULATE TO MAINTAIN, THE EXHAUST SIDE LEAVING TEMPERATURE AT SETPOINT. IF THE OA BYPASS DAMPER REACHES 100% OPEN FOR 5 MINUTES (ADJ.), THE WHEEL SHALL BE TURNED OFF TO PREVENT FROSTING.

PERIODIC SELF CLEANING: THE HEAT WHEEL SHALL RUN AT 5% SPEED (ADJ) FOR 10 SEC (ADJ.) EVERY 4 HOURS (ADJ.) THE UNIT RUNS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
A) HEAT WHEEL ROTATION FAILURE: COMMANDED ON BUT THE STATUS IS OFF.
B) HEAT WHEEL IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
C) HEAT WHEEL VFD IN FAULT.

14) SMOKE CONTROL ACTIVATION:
IF A SMOKE DETECTOR IS ACTIVATED IN THE DAYROOM, THE OUTSIDE- AND EXHAUST AIR DAMPER SHALL OPEN TO 100% AIR AND MIXED AIR DAMPER SHALL CLOSE BYPASSING NORMAL DAMPER OPERATION.

REFER TO SHEET M7.4 FOR ADDITIONAL INFORMATION.

15) MIXED AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE MIXED AIR TEMPERATURE

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) HIGH MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
II) LOW MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

16) RETURN AIR CARBON DIOXIDE (CO2) CONCENTRATION MONITORING:
THE CONTROLLER SHALL MEASURE THE RETURN AIR CO2 CONCENTRATION.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) HIGH RETURN AIR CARBON DIOXIDE CONCENTRATION: IF THE RETURN AIR CO2 CONCENTRATION IS GREATER THAN 1000PPM (ADJ.) WHEN IN THE UNIT IS RUNNING.

17) RETURN AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE RETURN AIR TEMPERATURE

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) HIGH RETURN AIR TEMPERATURE: IF THE RETURN AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
II) LOW RETURN AIR TEMP: IF THE RETURN AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

18) SUPPLY AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).
II) LOW SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

19) RETURN AIR HUMIDITY:
THE CONTROLLER SHALL MONITOR THE RETURN AIR HUMIDITY

A). ALARMS SHALL BE PROVIDED AS FOLLOWS:
I. HIGH RETURN AIR HUMIDITY: IF THE RETURN AIR HUMIDITY IS GREATER THAN 70% (ADJ.).
II. LOW RETURN AIR HUMIDITY: IF THE RETURN AIR HUMIDITY IS LESS THAN 35% (ADJ.).

20) COMPRESSOR LOW AMBIENT LOCKOUT
COMPRESSOR OPERATION SHALL BE LOCKED OUT WHEN OUTDOOR AIR TEMPERATURE FALLS BELOW COMPRESSOR COOLING LOW AMBIENT LOCKOUT SETPOINT 10F (ADJ.).

21) REFRIGERANT LEAK DETECTION:
INCASE REFRIGERANT LEAK IS DETECTED AT THE REFRIGERANT DETECTOR WITH THE UNIT, THE COMPRESSORS SHALL BE TURNED OFF AND ROOFTOP UNIT SHALL OPERATE AT ITS FULL CFM.

1 **RT-6 CONTROL SCHEMATIC**
SCALE: N.T.S.

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STATE OF OHIO
KYUNG-HOON BAIK
P.E.83997
REGISTERED PROFESSIONAL ENGINEER
2026.09.22 12:22:00

NO.	REVISION	DATE

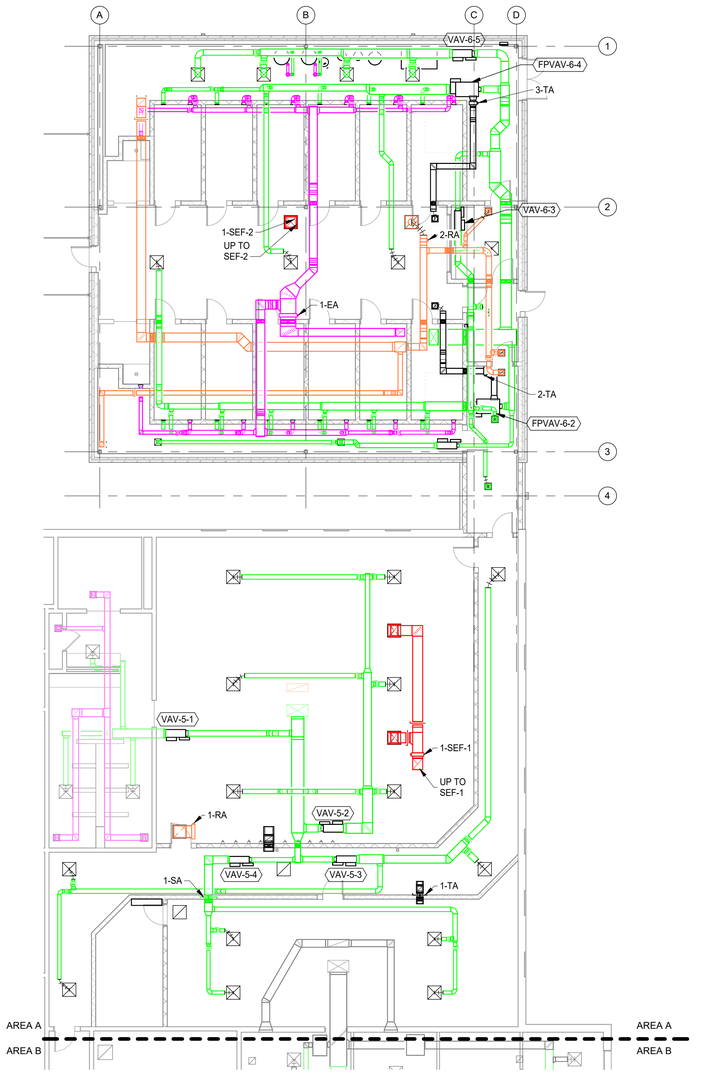
DRAWN: JW | CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

CONTROL SCHEMATICS - 3

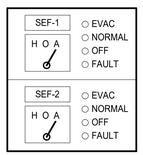
DRAWING NUMBER M7.3

MECHANICAL



1 FIRST FLOOR SMOKE EXHAUST PLAN - AREA A
SCALE: 3/32" = 1'-0"

SMOKE EXHAUST FAN / SMOKE DAMPER SEQUENCE SCHEDULE			
ROOM NAME	SMOKE EXHAUST FAN IN OPERATION	SMOKE DAMPERS AND BOXES TO OPEN	SMOKE DAMPERS AND BOXES TO CLOSE
MEN'S DORM (25) - C123	SEF-1	1-SEF-1 VAV-5-2 1-SA 1-TA	1-RA
DAYROOM - D105	SEF-2	1-SEF-2 FPVAV-6-2 FPVAV-6-4	1-EA 2-RA 2-TA 3-TA

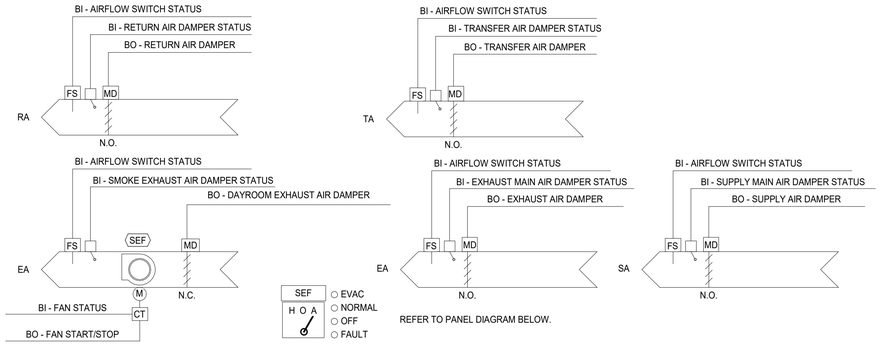


FIREFIGHTER SMOKE CONTROL PANEL - LOCATED IN CENTRAL CONTROL ROOM (B127)

TRANSFER AIR DUCTWORK
SUPPLY AIR DUCTWORK
EXHAUST AIR DUCTWORK
RETURN AIR DUCTWORK
SMOKE EXHAUST AIR DUCTWORK
NOT IN SCOPE OF WORK

NOMENCLATURE	
(1) - (SEF - A)	(SMOKE DAMPER NUMBER) - (SMOKE EXHAUST FAN TAG)
(1) - (RA)	(SMOKE DAMPER NUMBER) - (AIR SYSTEM TYPE)

2 SEF-1 & 2 SMOKE EXHAUST SEQUENCE OF CONTROL DIAGRAM
SCALE: N.T.S.



REFERENCE DUCTWORK PLANS FOR DAYROOM SMOKE DAMPER LOCATIONS.

1) RUN CONDITIONS:

A) THE SMOKE EXHAUST FAN SHALL BE INTERLOCKED TO RUN WHENEVER ENABLED BY ZONE SMOKE DETECTOR.

B) EACH SMOKE EXHAUST FAN MAY BE MANUALLY ACTIVATED THROUGH A SWITCH ON THE FIREFIGHTER'S SMOKE CONTROL PANEL.

C) EACH SMOKE EXHAUST FAN MAY BE MANUALLY ACTIVATED THROUGH A SWITCH LOCATED IN THE CONTROL ROOM FOR ZONE AIR PURGE NEEDS.

2) SMOKE EXHAUST AIR DAMPER:
THE SMOKE EXHAUST AIR DAMPER ASSOCIATED WITH THE ROOM WITH THE EVENT SHALL OPEN AND THE UNIT SHALL RUN.

DAMPERS SHALL CLOSE ANYTIME THE SMOKE EXHAUST FAN STOPS. THE EXHAUST AIR DAMPER SHALL CLOSE 30 SEC. (ADJ.) AFTER THE FAN STOPS.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) DAMPER FAILURE: COMMANDED OPEN, BUT THE STATUS IS CLOSED.
II) DAMPER IN HAND: COMMANDED CLOSED, BUT THE STATUS IS OPEN.

3) RETURN AIR DAMPER:
THE RETURN AIR DAMPER(S) SERVING THE AFFECTED SPACE SHALL CLOSE ANYTIME THE SMOKE EXHAUST FAN RUNS, AND SHALL OPEN ANYTIME THE SMOKE EXHAUST FAN STOPS.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) DAMPER FAILURE: COMMANDED OPEN, BUT THE STATUS IS CLOSED.
II) DAMPER IN HAND: COMMANDED CLOSED, BUT THE STATUS IS OPEN.

4) SUPPLY AIR FIRE / SMOKE DAMPER:
THE SUPPLY AIR DAMPER(S) SERVING THE AFFECTED SPACE SHALL OPEN ANYTIME THE SMOKE EXHAUST FAN RUNS.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) DAMPER FAILURE: COMMANDED OPEN, BUT THE STATUS IS CLOSED.
II) DAMPER IN HAND: COMMANDED CLOSED, BUT THE STATUS IS OPEN.

4) TRANSFER AIR DAMPER:
UNLESS OTHERWISE NOTED IN DAMPER SEQUENCE SCHEDULE, THE TRANSFER AIR DAMPER(S) SERVING THE AFFECTED SPACE SHALL CLOSE ANYTIME THE SMOKE EXHAUST FAN RUNS, AND SHALL OPEN ANYTIME THE SMOKE EXHAUST FAN STOPS.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) DAMPER FAILURE: COMMANDED OPEN, BUT THE STATUS IS CLOSED.
II) DAMPER IN HAND: COMMANDED CLOSED, BUT THE STATUS IS OPEN.

5) EXHAUST AIR DAMPER:
THE EXHAUST AIR DAMPER(S) SERVING THE AFFECTED SPACE SHALL CLOSE ANYTIME THE SMOKE EXHAUST FAN RUNS, AND SHALL OPEN ANYTIME THE SMOKE EXHAUST FAN STOPS.

DAMPERS SHALL OPEN ANYTIME THE SMOKE EXHAUST FAN STOPS. THE EXHAUST AIR DAMPER SHALL CLOSE 30 SEC. (ADJ.) AFTER THE FAN STOPS.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) DAMPER FAILURE: COMMANDED OPEN, BUT THE STATUS IS CLOSED.
II) DAMPER IN HAND: COMMANDED CLOSED, BUT THE STATUS IS OPEN.

6) FAN STATUS:
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

A) ALARMS SHALL BE PROVIDED AS FOLLOWS:
I) FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
II) FAN FAILURE: COMMANDED ON, BUT THE AIRFLOW SWITCH IS NOT SENSING AIRFLOW.
II) FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.

7) ALL CONTROLLERS RELATED TO THE SMOKE EXHAUST SYSTEM SHALL BE UL-864 COMPLIANT, INCLUDING BUT NOT LIMITED TO THE SMOKE EXHAUST FANS, DAMPERS, AND AIR-HANDLING UNITS.

3 SEF 1 & 2 SMOKE EXHAUST FAN - SMOKE CONTROL SCHEMATIC
SCALE: N.T.S.

SEQUENCE OF SMOKE FAN CONTROL

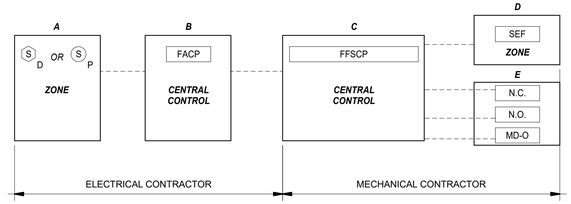
A. SMOKE DETECTION FROM EITHER A ZONE SMOKE DUCT DETECTOR OR A FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR.

B. SIGNAL TO BE MONITORED AT FIRE ALARM CONTROL PANEL (FACP).

C. SIGNAL TO BE MONITORED AND CONTROLLED AT FIREFIGHTER SMOKE CONTROL PANEL (FFSCP).

D. SMOKE EXAUST FAN (SEF) TO ACTIVATE UPON SMOKE DETECTION.

E. MOTORIZED / SMOKE DAMPERS NORMALLY OPEN / CLOSED (MD-O / N.O. / N.C.) TO BE SEQUENCED PER SCHEDULE BELOW.



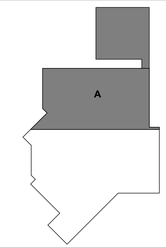
N.C. NORMALLY CLOSED MOTORIZED CONTROL DAMPER

N.O. NORMALL OPEN MOTORIZED CONTROL DAMPER

MD-O NORMALLY OPEN SMOKE DAMPER

NOTE:
ELEMENTS ON THIS DRAWING ARE IDENTIFIED BY VARIOUS COLORS. IF THIS NOTE IS NOT RED, THIS DRAWING IS NOT IN COLOR AND NEEDS TO BE REPRINTED IN COLOR.

KEYPLAN



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P.E.83897
REGISTERED PROFESSIONAL ENGINEER
2026.09.22 12:22:00

NO.	REVISION	DATE

DRAWN: JW/ CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD MT GILEAD, OHIO 43338

SMOKE EXHAUST CONTROL SCHEMATICS

DRAWING NUMBER M7.4 MECHANICAL

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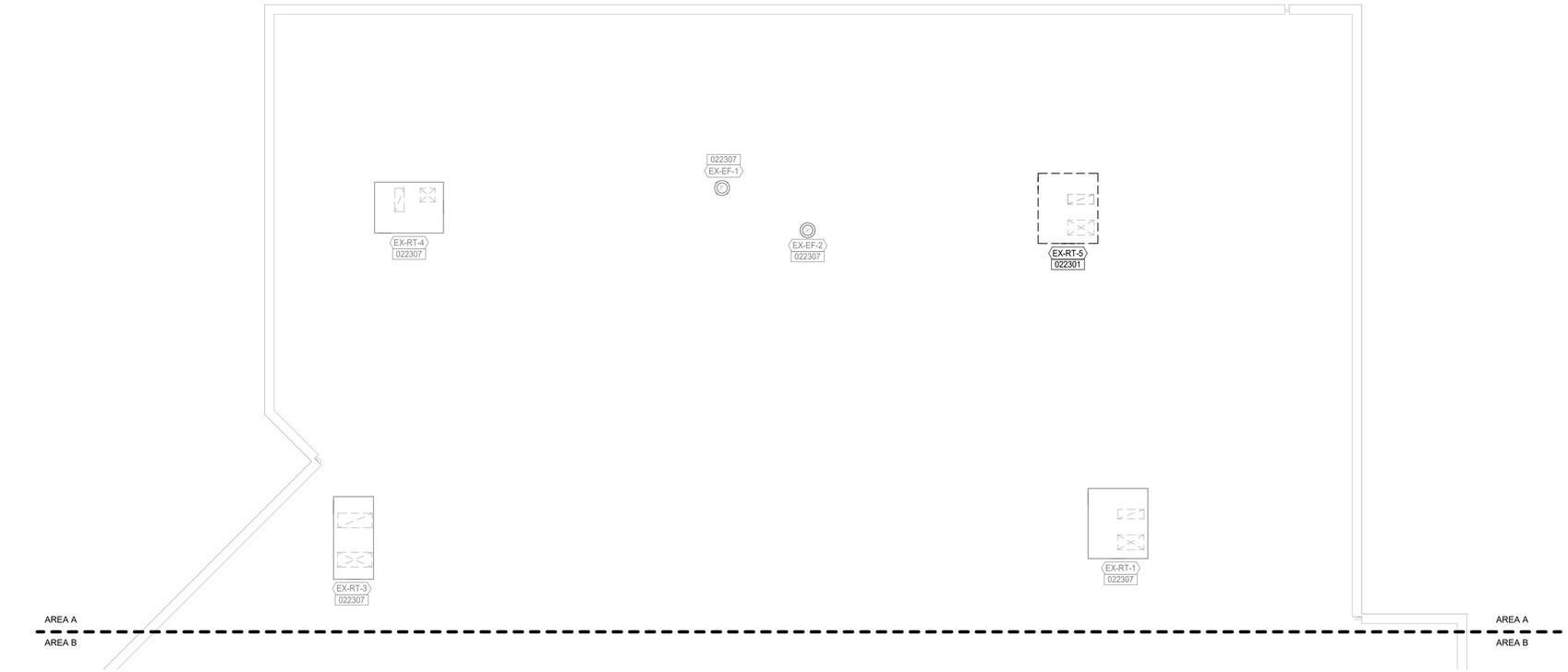
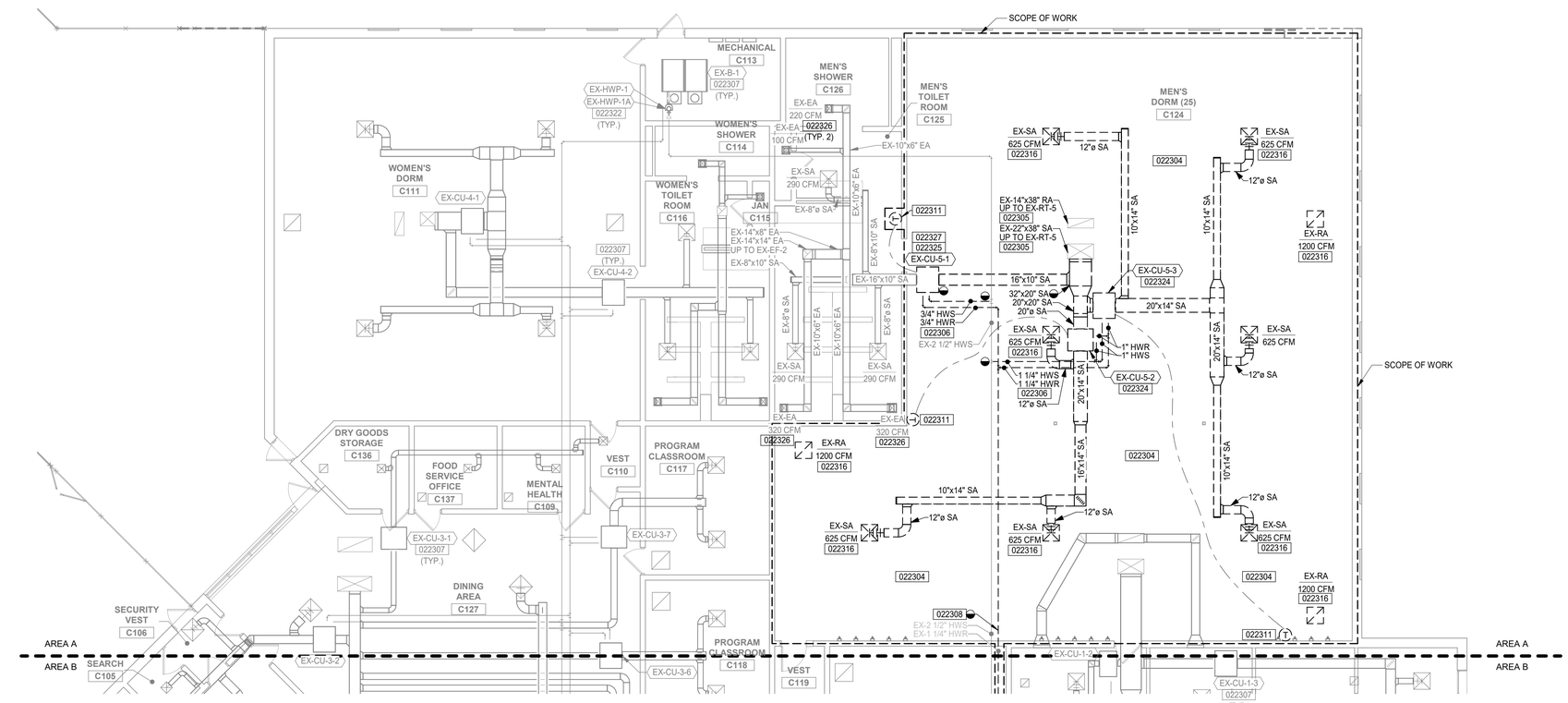


2 **ROOF MECHANICAL REMOVAL PLAN - AREA A**
SCALE: 1/8" = 1'-0"
NORTH



1 **FIRST FLOOR REMOVAL PLAN - AREA A**
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, LOCATIONS, AND QUANTITIES OF THE SYSTEMS IN THE SCOPE OF WORK PRIOR TO BEGINNING WORK.

C. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

D. COORDINATE ALL WORK WITH STRUCTURAL TRADES FOR OPENINGS IN STRUCTURAL SUPPORTS.

E. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

F. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS. OTHERWISE INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTALLATION GUIDELINES.

G. COORDINATE WITH OWNER TEMPORARY RELOCATION OF INMATES PRIOR TO BEGINNING WORK IN OCCUPIED SPACES OUTSIDE OF SCOPE OF WORK.

KEYNOTES

022301 REMOVE EXISTING ROOFTOP UNIT 5 AND ALL PIPING, DUCTWORK, AIR DEVICES, AIR CONTROL UNITS, ETC INDICATED ON REMOVAL PLANS. EXISTING ROOF CURB AND DUCT RISERS TO REMAIN AND BE REUSED FOR NEW RT-5. CONTACTOR TO COORDINATE WITH OWNER BEFORE DISPOSAL OF EQUIPMENT, DAMPERS, VALVES, ETC.

022304 REMOVE EXISTING DUCTWORK AS INDICATED ALONG WITH ASSOCIATED HANGERS AND AIR DEVICES. IF WALL PENETRATION NOT TO BE REUSED, PATCH PENETRATIONS TO MATCH ADJACENT CONDITIONS.

022305 EXISTING ROOF PENETRATION TO REMAIN AND BE REUSED. COORDINATE EXISTING DUCTWORK WITH NEW RT-5 AND ASSOCIATED CURB ADAPTOR AND ADJUST AS NEEDED.

022306 REMOVE EXISTING HEATING HOT WATER PIPING, VALVES, APPURTENANCES, ETC. BACK TO POINT INDICATED ON DRAWING AND CAP OPEN ENDS.

022307 UNLESS OTHERWISE INDICATED, ALL EXISTING EQUIPMENT ALONG WITH ALL ASSOCIATED PIPING, DUCTWORK, ACCESSORIES, ETC. SHALL REMAIN AND BE REUSED. ANY EXISTING DAMPERS, VALVES, PUMPS, ETC. SHALL BE ADJUSTED TO MEET THE NEW DESIGN CRITERIA.

022308 REMOVE EXISTING PIPING BACK TO THE NEAREST ACTIVE BRANCH CONNECTION TO MINIMIZE DEAD-LEG LENGTHS AND REDUCE STAGNANT WATER CONDITIONS. CAP ALL OPEN ENDS.

022311 CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATION OF EXISTING THERMOSTAT. EXISTING THERMOSTAT, WIRING, ETC. TO BE REMOVED.

022316 EXISTING AIR DEVICE TO BE REMOVED.

022322 EXISTING HOT WATER PUMP AND ANY ASSOCIATED PIPING, VALVES, ACCESSORIES, ETC. NOT INDICATED FOR REMOVAL TO REMAIN AND BE REUSED.

022324 REMOVE EXISTING AIR CONTROL UNIT AND ALL ASSOCIATED DUCTWORK, AIR DEVICES, AND ACCESSORIES. REMOVE PIPING TO POINT INDICATED ON DRAWINGS. CONTRACTOR TO COORDINATE WITH OWNER BEFORE DISPOSAL OF EQUIPMENT, VALVES, DAMPERS, ETC.

022325 REMOVE EXISTING AIR CONTROL UNIT. ALL ASSOCIATED DUCTWORK, AIR DEVICES, AND ACCESSORIES TO REMAIN AND BE REUSED. REMOVE PIPING TO POINT INDICATED ON DRAWINGS. CONTRACTOR TO COORDINATE WITH OWNER BEFORE DISPOSAL OF EQUIPMENT, VALVES, ETC.

022326 CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION TAB REPORT FOR EXISTING EF-2 AND ALL ASSOCIATED AIR DEVICES. REFER TO GENERAL DEMOLITION NOTE #16 FOR ADDITIONAL INFORMATION.

022327 CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION TAB REPORT FOR EXISTING CU-5-1 AND ALL ASSOCIATED AIR DEVICES. REFER TO GENERAL DEMOLITION NOTE #16 FOR ADDITIONAL INFORMATION. SHOULD THE PRE-CONSTRUCTION TAB REPORT SHOW THAT EXISTING CU-5-1 SUPPLY AIRFLOW EXCEEDS THE EXHAUST AIRFLOW OF EXISTING EF-2, NOTIFY ENGINEER FOR FURTHER DIRECTION.

LINE LEGEND

SCOPE OF WORK

AREA A AREA A
AREA B AREA B
MATCHLINE

KEYPLAN

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KYUNG-HOON BANG
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NO.	REVISION	DATE

DRAWN: JW
CHK'D: NL
DESIGNED: KB
APPR'VD: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

FIRST FLOOR AND ROOF MECHANICAL REMOVAL PLANS - AREA A

DRAWING NUMBER
MD2.1
MECHANICAL

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EQUIPMENT ABBREVIATIONS

CU	COMBINATION UNIT
CVC	CELL VALVE CONTROLLER
DET	DOMESTIC WATER EXPANSION TANK
DF	DRINKING FOUNTAIN
DMV	DIGITAL MIXING VALVE MANIFOLD
DWBP	DOMESTIC WATER BOOSTER PUMP
EWC	ELECTRIC WATER COOLER
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FS	FLOOR SINK
HB	HOSE BIBB
L	LAVATORY
PRV	PRESSURE REDUCING VALVE
RCP	RECIRCULATING PUMP
RH	ROOF HYDRANT
SD	SHOWER DRAIN
SH	SHOWER
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
UR	URINAL
WC	WATER CLOSET
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR
WS	WATER SOFTENER

NOTE:
ELEMENTS ON THIS DRAWING ARE IDENTIFIED BY VARIOUS COLORS. IF THIS NOTE IS NOT RED, THIS DRAWING IS NOT IN COLOR AND NEEDS TO BE REPRINTED IN COLOR.

PLUMBING ABBREVIATIONS

° / DEG	DEGREE
Ø	DIAMETER
' / FT	FOOT/FEET
" / IN	INCH(ES)
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BT	BRINE TANK
BV	BALANCING VALVE
CONT	CONTINUATION
CW	COLD WATER
DN	DOWN
DWG.	DRAWING
ELEV.	ELEVATION
FBG	FROM BELOW GRADE
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
G	NATURAL GAS
GPM	GALLONS PER MINUTE
HW	HOT WATER
HWR	HOT WATER RETURN
IE	INVERT ELEVATION
LKW	LAVATORY KITCHEN
W	WASTE
MAX	MAXIMUM
MIN	MINIMUM
OS&Y	OUTSIDE SCREW & YOKE
SQFT	SQUARE FEET
TBG	TO BELOW GRADE
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TS	TEMPERATURE SENSOR
TYP	TYPICAL
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WM	WATER METER

KEYNOTES

022206 EXISTING PLUMBING FIXTURE(S) ALONG WITH ALL ASSOCIATED PIPING, VALVES, APPURTENANCES, ETC. TO REMAIN AND BE REUSED.

221108 PROVIDE IN THE FLOW ORDER OF SHUT-OFF VALVE, BALANCING VALVE, AND CHECK VALVE FOR DHWR SYSTEM. BALANCING VALVE SHALL BE SET TO INDICATED GPM.

221110 DOMESTIC WATER PIPING ROUTING IS SCHEMATIC IN NATURE AND SHOWN OFFSET FOR CLARITY. ROUTE ALL DOMESTIC WATER PIPING TIGHT TO THE CELL WALL AND AS HIGH AS POSSIBLE. COORDINATE PIPING ROUTING WITH ALL LIGHTING FIXTURES AND AIR DEVICES. DO NOT ROUTE DOMESTIC WATER PIPING DIRECTLY BELOW LIGHTING FIXTURES OR AIR DEVICES.

PLUMBING BASIS OF DESIGN

SANITARY (ADDITION)	84	DFU'S
COLD WATER (ADDITION)	78	WSFU'S
HOT WATER (ADDITION)	12	WSFU'S
GAS (TOTAL)	2,609	CFH
GAS (EXISTING)	2,124	CFH
GAS (ADDITION + RENOVATION)	485	CFH

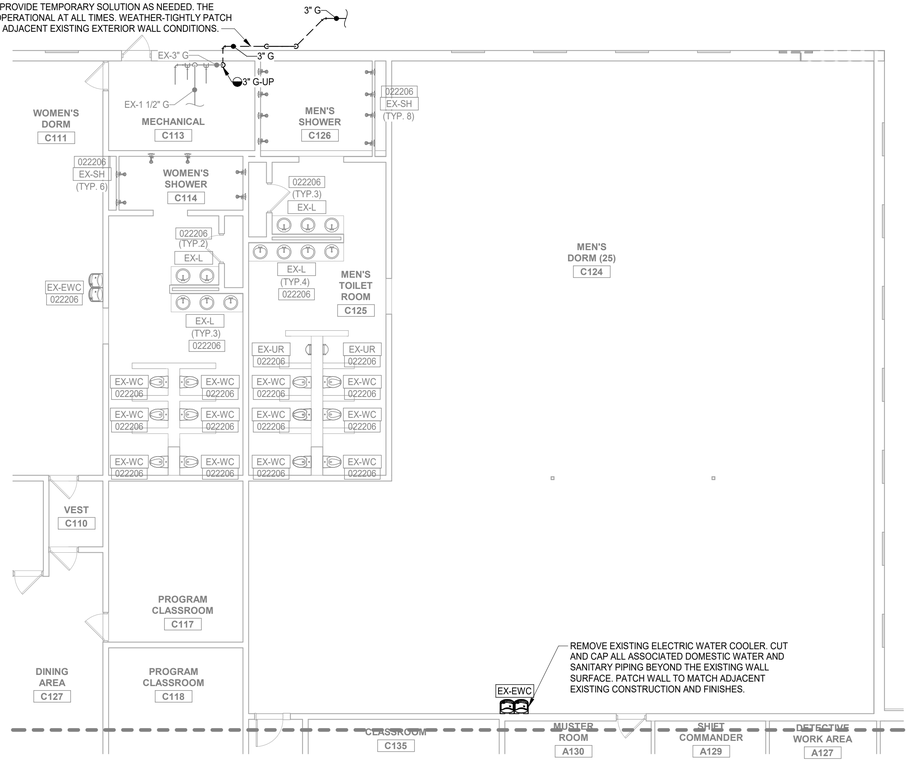
GENERAL DEMOLITION NOTES

1. REFER TO DRAWINGS OF ALL OTHER DISCIPLINES FOR ADDITIONAL REMOVALS AND SELECTIVE DEMOLITION ACTIVITIES.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SELECTIVE DEMOLITION ACTIVITIES. ANY ITEMS NOT INDICATED ON DRAWINGS OR SPECIFICATIONS THAT ARE IN CONFLICT WITH THE CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID FOR CLARIFICATION.
3. FOR DURATION OF THE PROJECT IF ANY EXISTING ITEM IS DAMAGED DURING CONSTRUCTION, IT SHALL BE REPLACED AND RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL TEMPORARY SHORING AND BRACING REQUIRED TO COMPLETE THE WORK.
5. CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED, INCLUDING ASSOCIATED REPAIR AND FINISHING TO MATCH ADJACENT SURFACES.
6. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY ENVIRONMENTAL CONTROL MEASURES INCLUDING ACCEPTABLE AIR QUALITY CONTROL MEASURES, DUST CONTROL, EROSION CONTROL AND OTHER MEASURES REQUIRED FOR PROTECTION OF PROPERTY DURING SELECTIVE DEMOLITION AND CONSTRUCTION ACTIVITIES.
7. CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATING CONTRACT DRAWINGS WITH FIELD CONDITIONS AND WORK ASSOCIATED WITH EACH TRADE.
8. CONTRACTOR SHALL COORDINATE DEMOLITION ACTIVITIES WITH NEW WORK TO VERIFY DIMENSIONS AND EXTENT OF REMOVALS PRIOR TO BEGINING OF WORK.
9. CONTRACTOR IS RESPONSIBLE FOR REMOVAL, STORAGE AND REINSTALLATION OF REMAINING WALL MOUNTED DEVICES INTENDED FOR REUSE.
10. ALL DEMOLITION WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE STATE OF OHIO, LOCAL BUILDING CODES, OSHA AND NFPA.
11. OWNER RESERVES THE RIGHT TO SALVAGE ANY EQUIPMENT OR MATERIAL INDICATED TO BE DEMOLISHED.
12. PIPING AND DUCTWORK DEMOLITION PLANS ARE FOR DIAGRAMMATIC PURPOSES ONLY BASED ON LIMITED SITE OBSERVATIONS. CONTRACTOR TO REMOVE ANY UNUSED / ABANDONED DUCTWORK, EQUIPMENT, PIPING (SANITARY, VENT, DOMESTIC WATER, GAS, REFRIGERANT, FIRE ETC.), ASSOCIATED ACCESORIES COMPLETE WHETHER INDICATED ON THE PLANS OR NOT. CONTRACTOR TO VERIFY EXTENT OF DEMOLITION ON THE FIELD AND COORDINATE WITH THE ENGINEER (AT NO ADDITIONAL COST TO THE OWNER). PATCH WALLS, CEILINGS, ROOF AND/OR FLOOR TO MATCH ADJACENT CONDITIONS WHETHER INDICATED ON THE PLANS OR NOT.

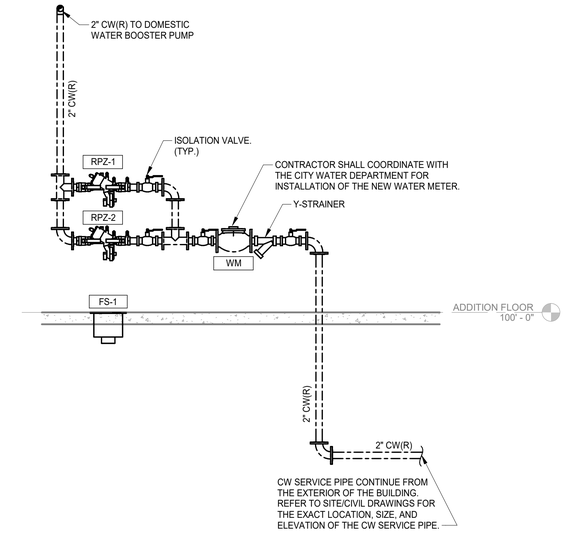
GENERAL NOTES

1. INSTALLATION OF PLUMBING FIXTURES AND ACCESSORIES, INCLUDING FLUSH CONTROL VALVES INTENDED FOR PEOPLE WITH DISABILITIES, SHALL BE IN ACCORDANCE WITH ADA REQUIREMENTS.
2. INSTALLATION OF PLUMBING PIPING SHALL BE FULLY COORDINATED WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, AND HVAC DRAWINGS TO AVOID CONFLICT.
3. NO PLUMBING (WATER, DRAINS, VENT, OR GAS PIPING) SHALL BE INSTALLED DIRECTLY ABOVE ANY ELECTRICAL PANELS. COORDINATE WITH OTHER DIVISIONS BEFORE PROCEEDING WITH INSTALLATION.
4. IF NON DESIGN BASE EQUIPMENT IS SELECTED, CONTRACTOR SHALL BEAR ADDITIONAL COSTS FOR MODIFICATIONS TO THE ORIGINAL SYSTEM(S) INCLUDING COSTS FOR ARCHITECT/ENGINEER REVIEW.
5. PROVIDE WATER HAMMER ARRESTERS AT PLUMBING FIXTURES AND GROUPS OF PLUMBING FIXTURES THAT ARE SUBJECT TO WATER HAMMER. SELECT ARRESTERS IN ACCORDANCE WITH THE PLUMBING AND DRAINAGE INSTITUTE STANDARD.
6. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR AND EQUIPMENT PERMIT FEES, REQUIRED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL PLUMBING SYSTEM AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDING SPECIFICATIONS.
7. ALL PLUMBING SERVICES GOING INTO THE BUILDING AND LEAVING THE BUILDING SHALL BE CONNECTED TO THE SITE UTILITIES, COORDINATE WITH SITE UTILITIES DWGS. COORDINATE ALL EXTERIOR UNDERGROUND PLUMBING WORK WITH THE SITE UTILITIES BEFORE COMMENCING WORK. COORDINATE ALL UNDERGROUND PIPING WITH FOUNDATION DRAWINGS.
8. ALL PLUMBING WORK SHALL BE IN CONFORMANCE WITH THE INTERNATIONAL PLUMBING CODE, LATEST EDITION ADOPTED BY THE STATE OF OHIO WITH OHIO AMENDMENTS, MUNICIPAL OR CITY CODES, AND THE AUTHORITY HAVING JURISDICTION.
9. INSTALL BALL VALVE CLOSE TO WATER MAIN ON EACH BRANCH AND RISER SERVING PLUMBING EQUIPMENT AND FIXTURES.
10. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, OR FIRE PROTECTION ITEMS MAY BE REQUIRED WHETHER INDICATED ON THE DRAWINGS OR NOT. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE / SECURITY RATING OF THE WALL / CEILING ASSEMBLY.
11. ALL REQUIRED SHUT-OFF VALVES SERVING HOUSING UNITS SHALL BE CLEARLY MARKED, LOCATED IN THE SAME PLACE, AND ACCESSIBLE WITHOUT A LADDER. ALL REQUIRED SHUT-OFF VALVES LOCATED ABOVE THE CEILING THROUGHOUT THE REMAINDER OF THE BUILDING SHALL BE WITHIN 24" OF THE CEILING.
12. REFERENCE SECTIONS AND RISER/ISOMETRIC DIAGRAMS FOR ADDITIONAL INFORMATION ON PIPE SIZES NOT SHOWN ON PLANS.
13. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF DIMENSIONS.
14. PROVIDE SIZES TO FIXTURES AS INDICATED ON PLANS, RISERS, AND SECTIONS. IF SIZE IS NOT INDICATED, PROVIDE SIZE SHOWN ON PLUMBING FIXTURE SCHEDULE.
15. PROVIDE HOUSING PADS FOR EQUIPMENT. PAD SIZES SHOWN ARE APPROXIMATE AND BASED ON BASIS OF DESIGN EQUIPMENT. SEE STRUCTURAL DETAILS FOR TYPICAL CONCRETE HOUSING PAD REQUIREMENTS. PROPER EQUIPMENT OPERATION AND MAINTENANCE REQUIRES EQUIPMENT PADS SIZED TO SPECIFIC EQUIPMENT FURNISHED. SUBMIT COORDINATION DRAWINGS ILLUSTRATING PROPOSED PAD DIMENSIONS BASED ON APPROVED EQUIPMENT. DO NOT PERFORM LAYOUT WORK OR BEGIN FORM WORK PRIOR TO APPROVAL OF COORDINATION DRAWINGS.

EXISTING NATURAL GAS MAIN SHALL BE REMOVED ALONG WITH ASSOCIATED VALVES, ACCESSORIES, AND UNDERGROUND PIPING AS REQUIRED. REFER TO SITE / CIVIL DRAWINGS FOR FURTHER INDICATION. REFER TO INSTALLATION DRAWINGS FOR NEW METER LOCATION. CONTRACTOR SHALL COORDINATE WITH GAS COMPANY PRIOR TO ANY REMOVAL AND INSTALLATION WORK. CONTRACTOR SHALL COORDINATE ALL UTILITY AND/OR TEMPORARY SHUT DOWNS WITH OWNER AND PROVIDE TEMPORARY SOLUTION AS NEEDED. THE FACILITY SHALL BE FULLY OPERATIONAL AT ALL TIMES. WEATHER-TIGHTLY PATCH EXTERIOR WALL TO MATCH ADJACENT EXISTING EXTERIOR WALL CONDITIONS.



3 PLUMBING REMOVAL PLAN
SCALE: 1/8" = 1'-0"
NORTH



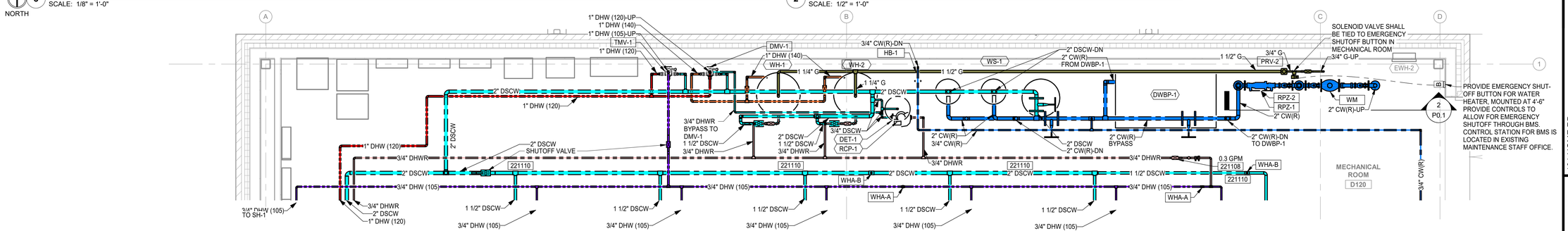
2 DOMESTIC COLD WATER MAIN ENTERANCE
SCALE: 1/2" = 1'-0"

PLUMBING SYMBOLS

CW (R)	DOMESTIC RAW COLD WATER
DSCW	DOMESTIC SOFT COLD WATER
G	NATURAL GAS
DHW (105)	DOMESTIC HOT WATER (105°F)
DHW (120)	DOMESTIC HOT WATER (120°F)
DHW (140)	DOMESTIC HOT WATER (140°F)
DHWR	HOT WATER RETURN
SAN	SANITARY
V	VENT
	BALL VALVE
	CALIBRATED BALANCING VALVE
	CHECK VALVE
	SINGLE LINE - PIPE DROP
	SINGLE LINE - PIPE RISE
	SINGLE LINE - PIPE RISE TEE
	SINGLE LINE - PIPE DROP TEE
	TWO LINE - PIPE DROP
	TWO LINE - PIPE RISE
	DISCONNECT FROM EXISTING
	CONNECT TO EXISTING
AREA A / AREA B	MATCHLINE

FLOW TEST DATA

DATE:	APRIL 3, 2025
STATIC PRESSURE:	55 PSI
RESIDUAL PRESSURE AT RESIDUAL FLOW:	44 PSI



1 ENLARGED MECHANICAL ROOM OVERALL INSTALLATION PLAN
SCALE: 3/8" = 1'-0"
NORTH

DLZ
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DLZ Architecture, Inc.

STATE OF OHIO
KYUNG-HOON HWANG
P.E.83997
REGISTERED PROFESSIONAL ENGINEER
2026.09.22 09:32:22 -04'00'

NO.	REVISION	DATE

DRAWN: SN/JW/ CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
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MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD

GENERAL INFORMATION AND PLUMBING REMOVAL PLAN

DRAWING NUMBER P0.1 PLUMBING

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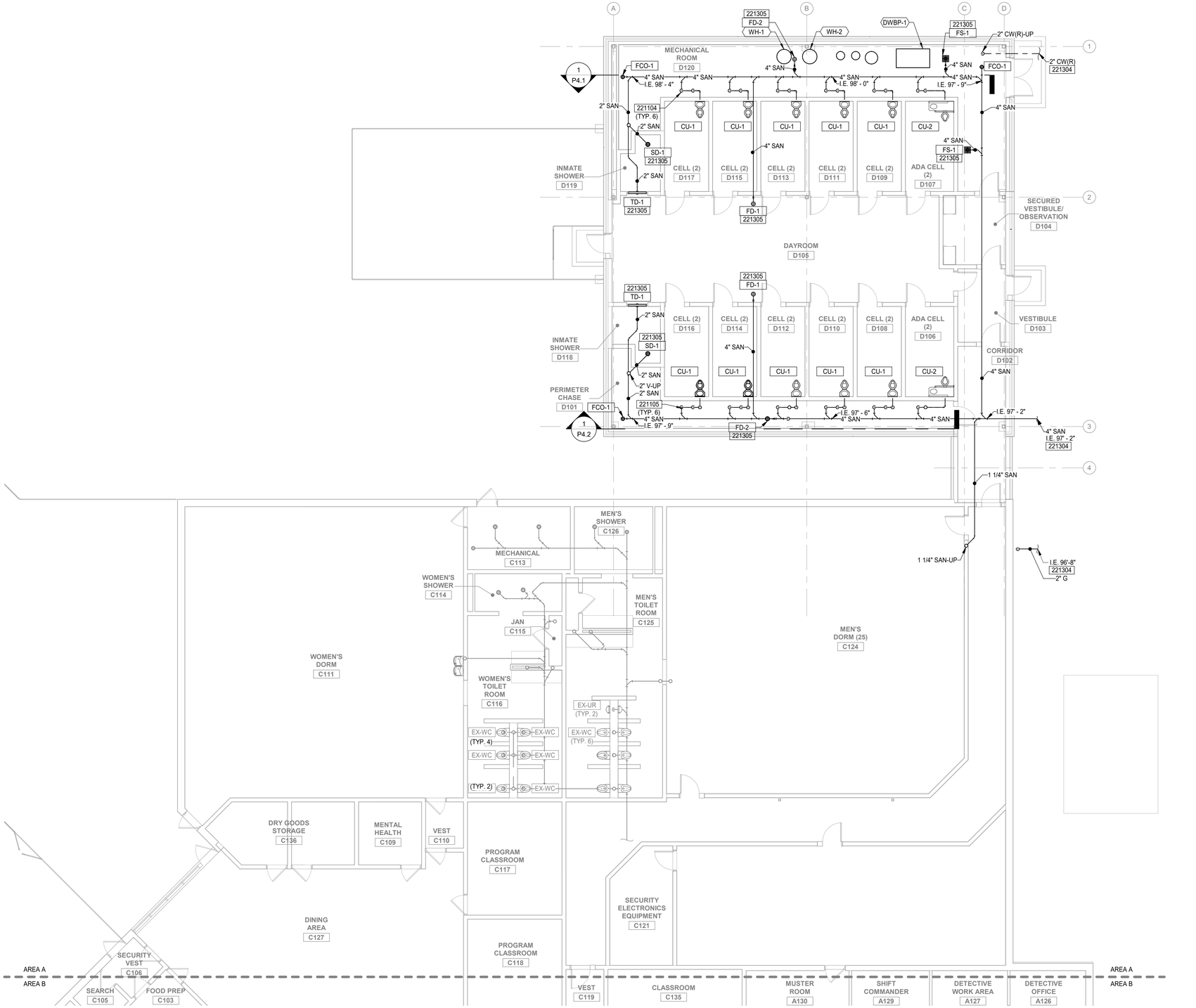


NORTH

UNDERFLOOR PLUMBING INSTALLATION PLAN - AREA A
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND P0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. WHERE PIPE SIZES MAY NOT BE INDICATED SERVING A FIXTURE, PROVIDE SIZES AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE.

C. INSTALL ALL EQUIPMENT, FIXTURES AND ASSOCIATED ACCESSORIES AS PER MANUFACTURER'S INSTALLATION GUIDELINES.

D. COORDINATE WITH ALL OTHER DISCIPLINES BEFORE INSTALLING ANY PIPING DEVICES.

E. INVERT ELEVATIONS ARE BASED ON 100.00' FINISHED FIRST FLOOR ELEVATION TO THE BOTTOM OF THE PIPE. SITE/CIVIL DRAWINGS TO ESTABLISH FINISHED FLOOR ELEVATION.

F. PROVIDE GAS PRESSURE REGULATORS AS NEEDED FOR THE EQUIPMENT.

G. EXACT LOCATION OF PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECTURAL PLANS TO MEET ADA REQUIREMENTS.

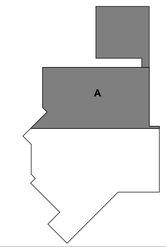
H. CONTRACTOR SHALL COORDINATE ALL UTILITY AND / OR TEMPORARY SHUT DOWNS WITH OWNER AND PROVIDE TEMPORARY FIXTURES AND EQUIPMENT AS NEEDED. THE FACILITY SHALL BE FULLY OPERATIONAL AT ALL TIME.

I. NO EXPOSED PIPING SHALL BE INSTALLED IN SECURITY/INMATE OCCUPIED AREAS.

KEYNOTES

221104	REFER TO DETAIL 1/P4.1 FOR DETAILED RISER DIMENSIONS AND ROUTING.
221105	REFER TO DETAIL 1/P4.2 FOR DETAILED RISER DIMENSIONS AND ROUTING.
221304	REFER TO SITE / CIVIL DRAWINGS FOR CONTINUATION.
221305	REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING FLOOR SLOPES AND DRAIN LOCATIONS. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND ALL RELATED TRADES TO ENSURE PROPER FLOOR SLOPING TOWARD DRAINS.

KEYPLAN



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DRAWN: SNJW | CHK'D: MIL
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
101 HOME RD
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

UNDERFLOOR PLUMBING PLAN - AREA A

DRAWING NUMBER: P1.0
PLUMBING

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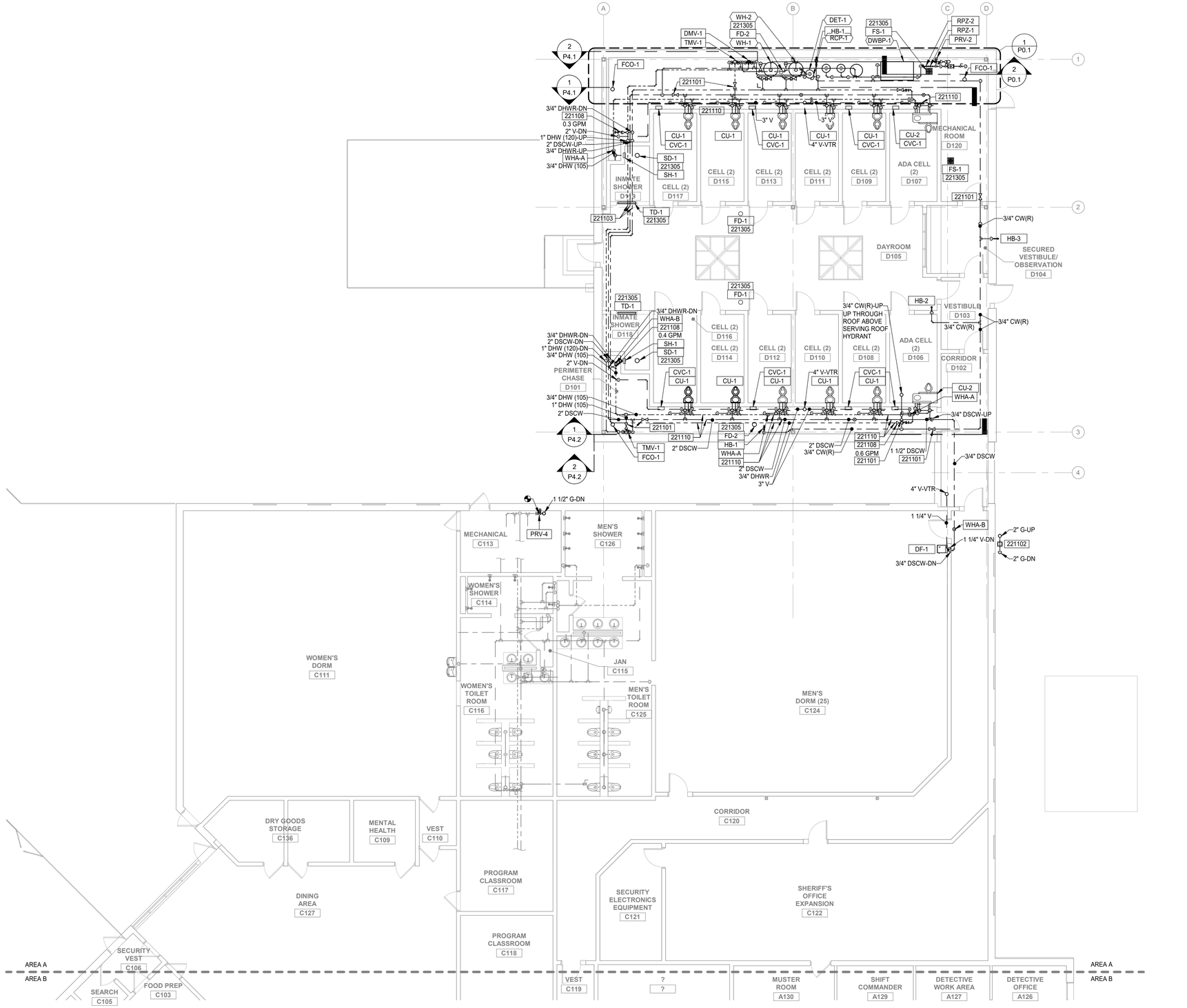


FIRST FLOOR DOMESTIC PLUMBING INSTALLATION PLAN - AREA A
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND P0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. WHERE PIPE SIZES MAY NOT BE INDICATED SERVING A FIXTURE, PROVIDE SIZES AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE.

C. INSTALL ALL EQUIPMENT, FIXTURES AND ASSOCIATED ACCESSORIES AS PER MANUFACTURER'S INSTALLATION GUIDELINES.

D. COORDINATE WITH ALL OTHER DISCIPLINES BEFORE INSTALLING ANY PIPING DEVICES.

E. INVERT ELEVATIONS ARE BASED ON 100.00' FINISHED FIRST FLOOR ELEVATION TO THE BOTTOM OF THE PIPE. SITE/CIVIL DRAWINGS TO ESTABLISH FINISHED FLOOR ELEVATION.

F. PROVIDE GAS PRESSURE REGULATORS AS NEEDED FOR THE EQUIPMENT.

G. EXACT LOCATION OF PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECTURAL PLANS TO MEET ADA REQUIREMENTS.

H. CONTRACTOR SHALL COORDINATE ALL UTILITY AND / OR TEMPORARY SHUT DOWNS WITH OWNER AND PROVIDE TEMPORARY FIXTURES AND EQUIPMENT AS NEEDED. THE FACILITY SHALL BE FULLY OPERATIONAL AT ALL TIME.

I. NO EXPOSED PIPING SHALL BE INSTALLED IN SECURITY/INMATE OCCUPIED AREAS.

KEYNOTES

221101 PROVIDE SHUTOFF VALVE.

221102 A NEW GAS METER WILL BE PROVIDED BY THE LOCAL GAS UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE GAS UTILITY COMPANY AND INSTALL AS MUCH OF THE NEW GAS PIPING SYSTEM AS POSSIBLE PRIOR TO THE GAS METER CHANGEOVER TO MINIMIZE FACILITY GAS SERVICE INTERRUPTION. THE CONTRACTOR SHALL COORDINATE THE GAS SHUTDOWN AND CHANGEOVER WITH THE OWNER IN ADVANCE. THE FACILITY SHALL REMAIN FULLY OPERATIONAL AT ALL TIMES, AND ANY REQUIRED GAS OUTAGE SHALL BE MINIMAL IN DURATION AND SCHEDULED AT A TIME APPROVED BY THE OWNER.

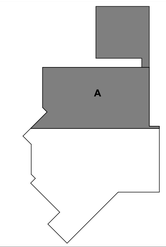
221103 THE INTENT IS FOR THIS SECTION OF PIPING TO BE ROUTED THROUGH THE OPEN WEB SPACES OF THE STEEL ROOF JOISTS. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE STRUCTURAL CONTRACTOR AND OTHER TRADES TO VERIFY THE EXACT SIZE, CONFIGURATION, AND GEOMETRY OF THE STEEL ROOF JOISTS PRIOR TO INSTALLATION. ROUTE PIPING THROUGH THE CLEAR OPENINGS OF THE STEEL ROOF JOISTS TO AVOID CUTTING, DRILLING, OR OTHERWISE MODIFYING ANY STRUCTURAL MEMBERS.

221108 PROVIDE IN THE FLOW ORDER OF SHUT-OFF VALVE, BALANCING VALVE, AND CHECK VALVE FOR DHWR SYSTEM. BALANCING VALVE SHALL BE SET TO INDICATED GPM.

221110 DOMESTIC WATER PIPING ROUTING IS SCHEMATIC IN NATURE AND SHOWN OFFSET FOR CLARITY. ROUTE ALL DOMESTIC WATER PIPING TIGHT TO THE CELL WALL AND AS HIGH AS POSSIBLE. COORDINATE PIPING ROUTING WITH ALL LIGHTING FIXTURES AND AIR DEVICES. DO NOT ROUTE DOMESTIC WATER PIPING DIRECTLY BELOW LIGHTING FIXTURES OR AIR DEVICES.

221305 REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING FLOOR SLOPES AND DRAIN LOCATIONS. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND ALL RELATED TRADES TO ENSURE PROPER FLOOR SLOPING TOWARD DRAINS.

KEYPLAN



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DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD
FIRST FLOOR PLUMBING PLAN - AREA A

DRAWING NUMBER: P1.1
PLUMBING

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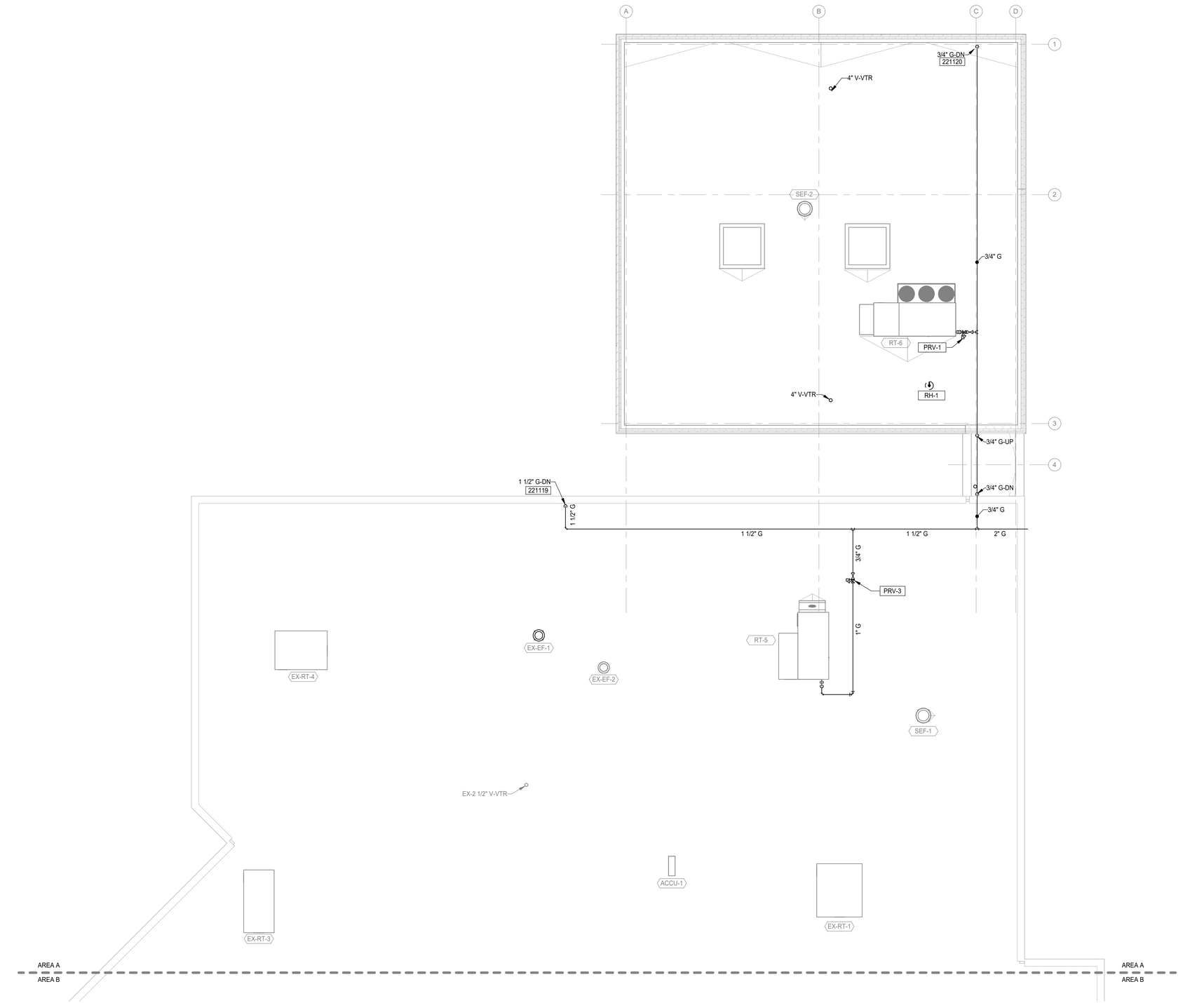


1 ROOF PLUMBING INSTALLATION PLAN - AREA A
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND P0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. WHERE PIPE SIZES MAY NOT BE INDICATED SERVING A FIXTURE, PROVIDE SIZES AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE.

C. INSTALL ALL EQUIPMENT, FIXTURES AND ASSOCIATED ACCESSORIES AS PER MANUFACTURER'S INSTALLATION GUIDELINES.

D. COORDINATE WITH ALL OTHER DISCIPLINES BEFORE INSTALLING ANY PIPING DEVICES.

E. INVERT ELEVATIONS ARE BASED ON 100.00' FINISHED FIRST FLOOR ELEVATION TO THE BOTTOM OF THE PIPE. SITE/CIVIL DRAWINGS TO ESTABLISH FINISHED FLOOR ELEVATION.

F. PROVIDE GAS PRESSURE REGULATORS AS NEEDED FOR THE EQUIPMENT.

G. EXACT LOCATION OF PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECTURAL PLANS TO MEET ADA REQUIREMENTS.

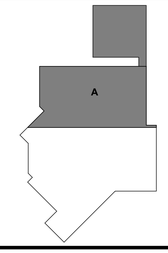
H. CONTRACTOR SHALL COORDINATE ALL UTILITY AND / OR TEMPORARY SHUT DOWNS WITH OWNER AND PROVIDE TEMPORARY FIXTURES AND EQUIPMENT AS NEEDED. THE FACILITY SHALL BE FULLY OPERATIONAL AT ALL TIME.

I. NO EXPOSED PIPING SHALL BE INSTALLED IN SECURITY/INMATE OCCUPIED AREAS.

KEYNOTES

221119	ROUTE NEW NATURAL GAS LINE DOWN THE INTERIOR FACE OF WALL TO EXISTING MECHANICAL ROOM TO CONNECT TO EXISTING GAS LINE.
221120	ROUTE NATURAL GAS LINE DOWN TO NEW MECHANICAL ROOM.

KEYPLAN



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101 HOME RD
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MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

ROOF PLUMBING PLAN - AREA A

DRAWING NUMBER: P1.2
PLUMBING

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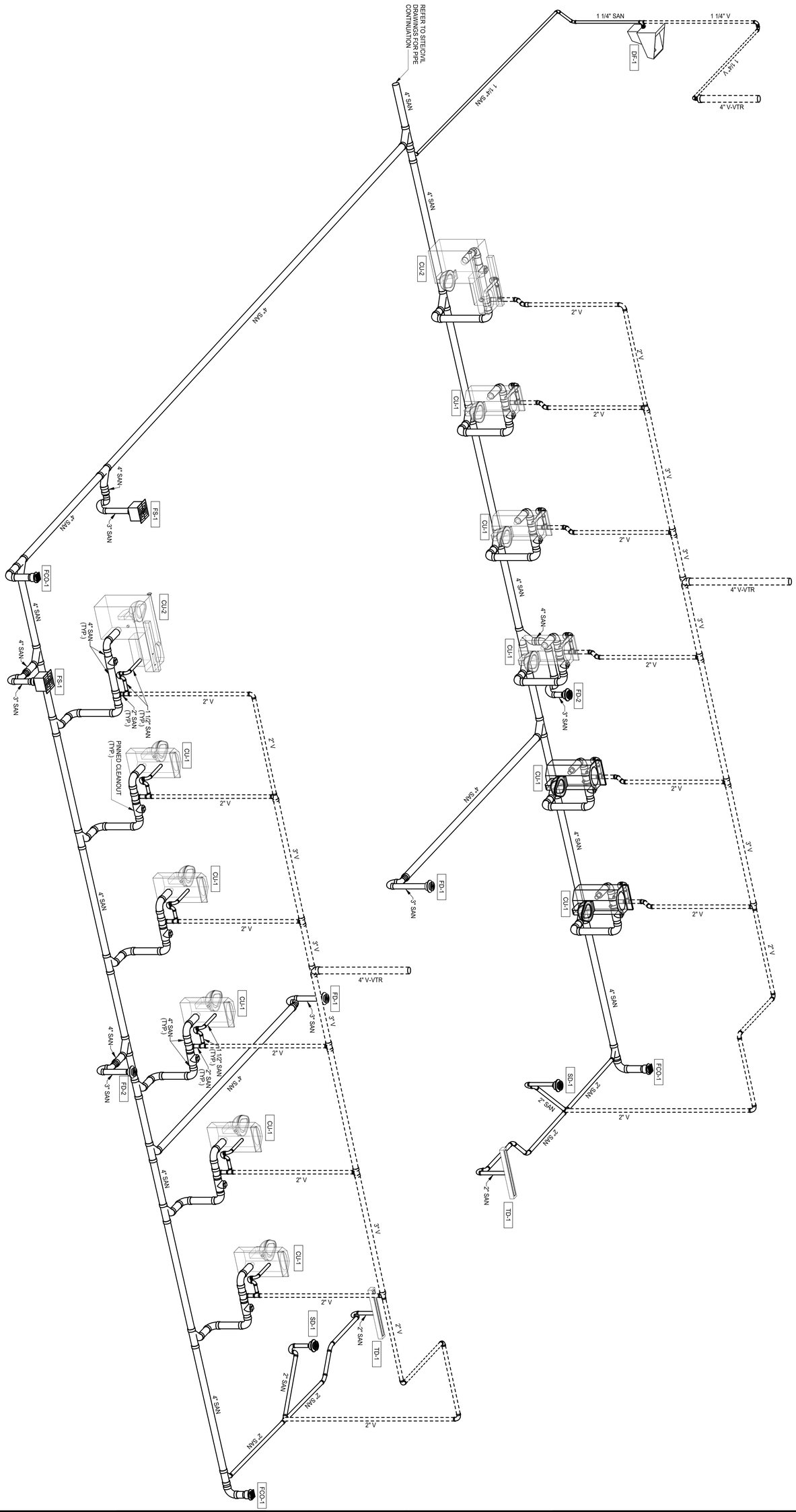
1 ADDITION SANITARY AND VENT RISER DIAGRAM
SCALE: N.T.S.



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P3.1	101 HOME RD MT GILEAD, OHIO 43338	DRAWN: SN/JIW	CHK'D: ML	NO.	REVISION	DATE	
PLUMBING	MORROW COUNTY CORRECTIONAL FACILITY ADDITION AND RENOVATIONS	DESIGNED: KB					
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		DATE: SEPTEMBER 25, 2026					
	SANITARY AND VENT RISER DIAGRAMS - 1	PROJECT NUMBER 2421-4009-00					

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1 NATURAL GAS RISER DIAGRAM
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101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

NATURAL GAS RISER DIAGRAM

DRAWING NUMBER P3.2

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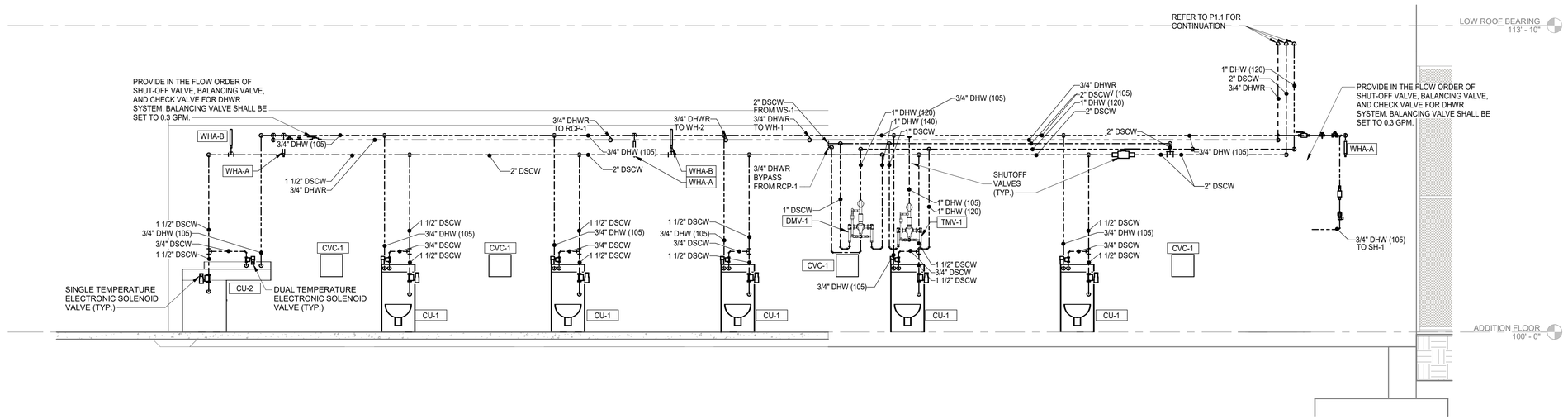
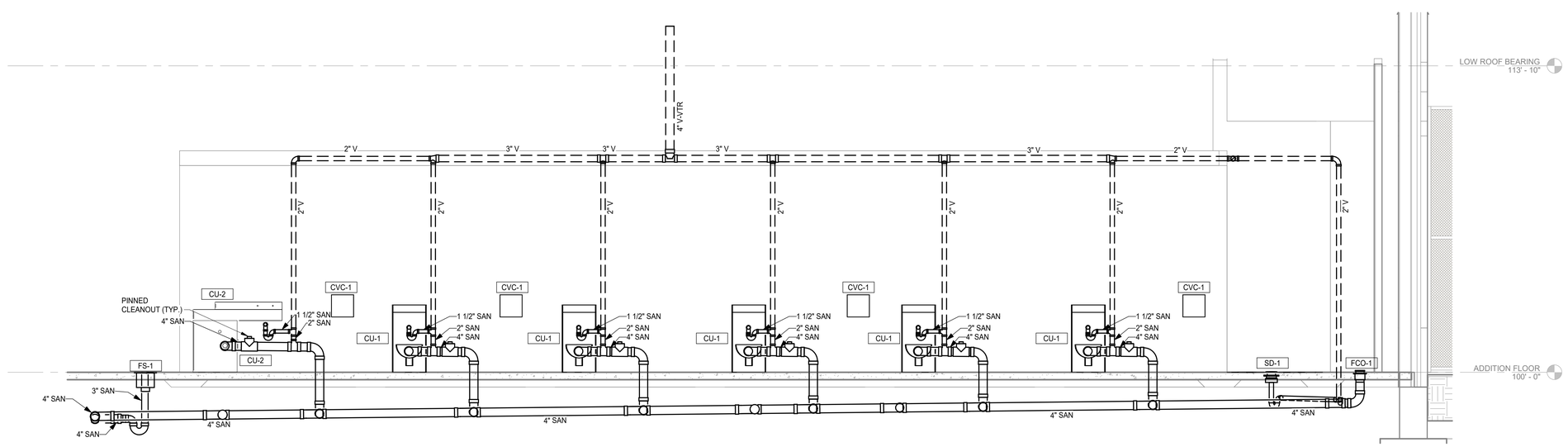
KEYNOTES



2 **MECHANICAL ROOM D120 - CELL DOMESTIC PIPING**
SCALE: 3/8" = 1'-0"



1 **MECHANICAL ROOM D120 - CELL SANITARY/VENT**
SCALE: 3/8" = 1'-0"

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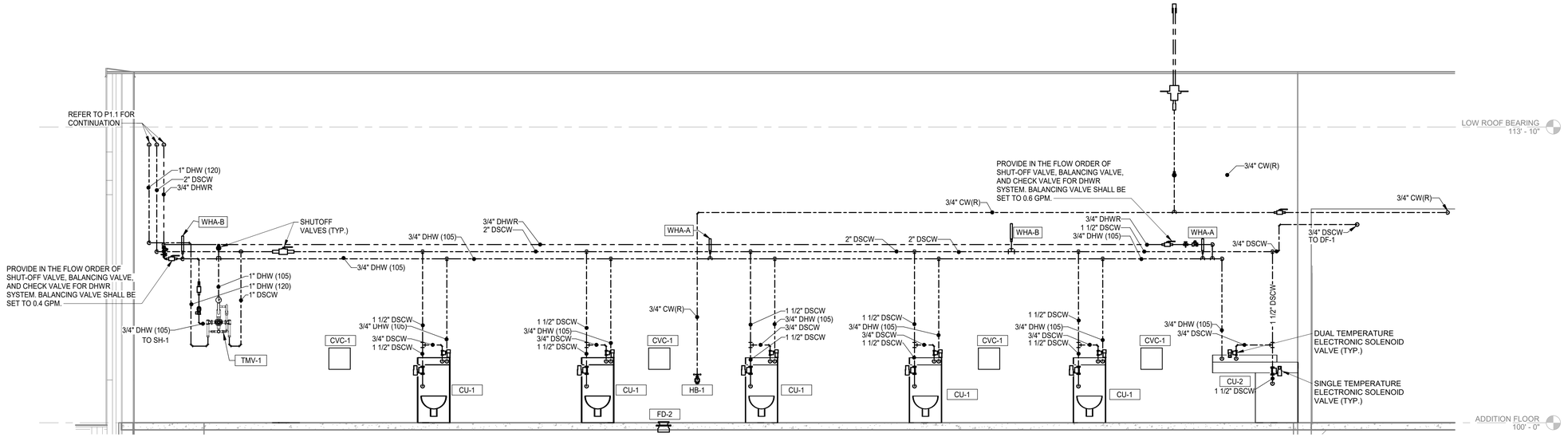
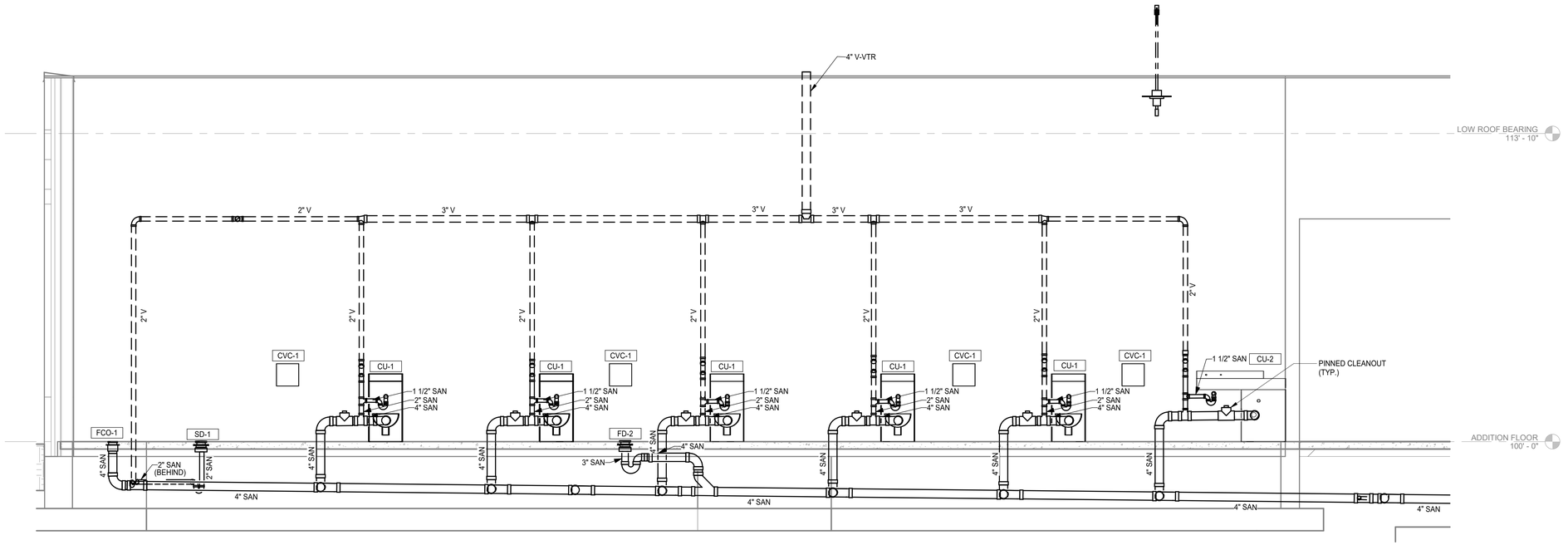
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

PLUMBING SECTIONS - 1

DRAWING NUMBER: P4.1
PLUMBING



2 CHASE D101 - CELL DOMESTIC PIPING
SCALE: 3/8" = 1'-0"



1 CHASE D101 - CELL SANITARY/VENT PIPING
SCALE: 3/8" = 1'-0"

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MORROW COUNTY CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

PLUMBING SECTIONS - 2

DRAWING NUMBER P4.2 PLUMBING

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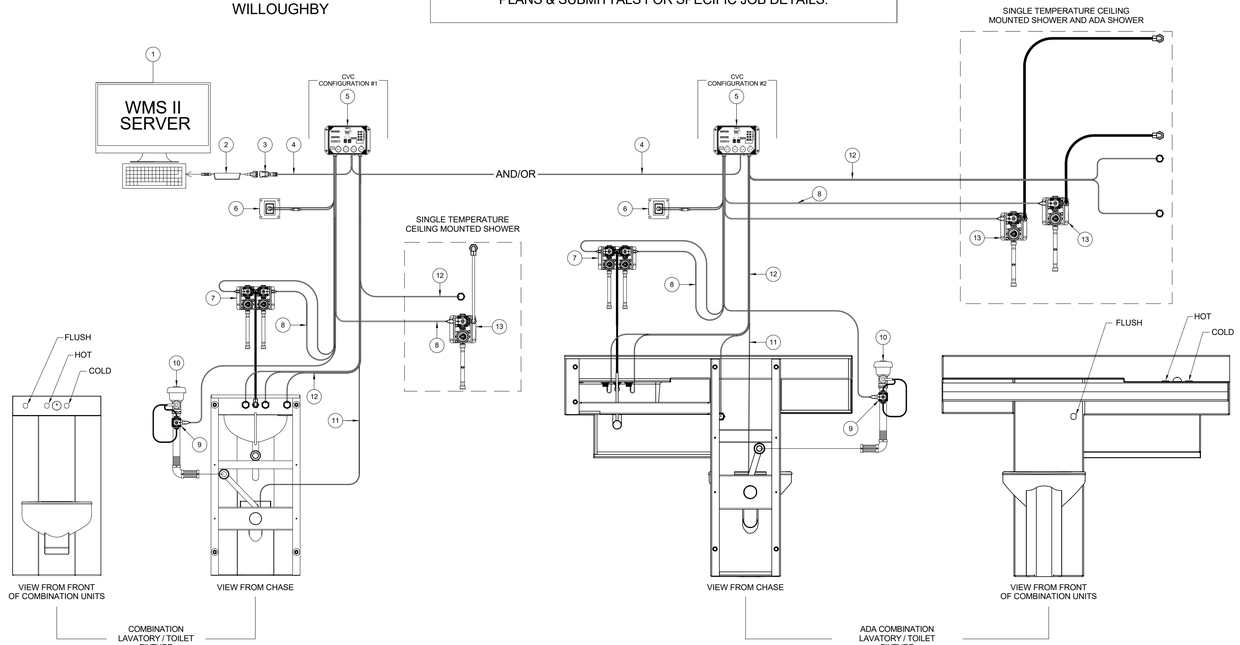
WILLOUGHBY

WILLOUGHBY WATER MANAGEMENT

TYPICAL WILLOUGHBY WMSII WATER MANAGEMENT SYSTEM INSTALLATION DETAILS FOR STEELCELL SHOWN. INSTALLATION AND CVC CONFIGURATION MAY VARY PER SCOPE OF SPECIFIED PROJECT. TYPICAL INSTALL DETAILS ARE FOR REFERENCE ONLY. CONSULT SPECIFIED PROJECT PLANS & SUBMITTALS FOR SPECIFIC JOB DETAILS.



4 **WILLOUGHBY WMSII INSTALLATION DETAIL**
NOT TO SCALE

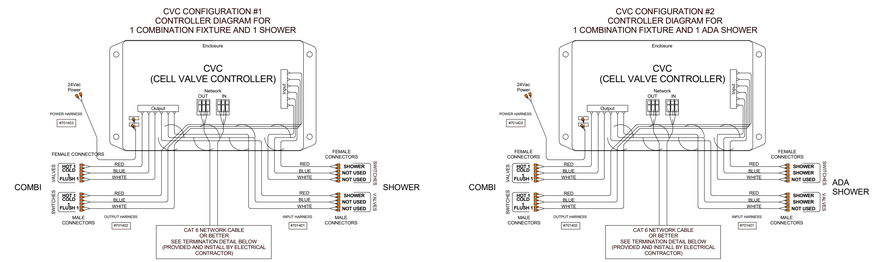
WMSII COMPONENTS

1. **WMS II SERVER/MONITOR**
2. **USB-TO-CAN INTERFACE**
3. **NETWORK ADAPTER ASSEMBLY**
4. **NETWORK CABLE**
5. **CVC (CELL VALVE CONTROLLER)**
6. **24V TRANSFORMER**
7. **DUAL TEMPERATURE ELECTRONIC LAVATORY VALVE**
8. **OUTPUT WIRING**
9. **ELECTRONIC FLUSH VALVE ACTUATOR**
10. **BRASS BODIED HYDRAULIC FLUSH VALVE****
11. **TOILET OVERFLOW PREVENTION TUBE**
12. **INPUT WIRING**
13. **SINGLE TEMPERATURE ELECTRONIC SHOWER VALVE**

**** BRASS BODIED HYDRAULIC FLUSH VALVE REQUIRED OTHER TYPES NOT PERMITTED**

SYSTEM CAPABILITIES

EACH WMSII SERVER SHALL BE CAPABLE OF CONTROLLING UP TO 4 NETWORKS, EACH CONSISTING OF A MAXIMUM OF 127 CVC'S AND UP TO 4000 FEET OF NETWORK WIRING. TWISTED 3-PAIR OF CAT 6 RATING OR BETTER SHALL BE USED FOR ALL NETWORK WIRING (PROVIDED AND INSTALLED BY OTHERS). STAND-ALONE CVC'S NOT CONNECTED TO A NETWORK SHALL BE PROGRAMMED VIA AN OPTIONAL PORTABLE DEVICE OR PROGRAMMED AT THE FACTORY. WIRING FOR PUSHBUTTONS AND VALVES TO CVC SHALL NOT EXCEED 12 FEET. WIRING FOR CVC POWER SHALL NOT EXCEED 25 FEET.



2 **WILLOUGHBY WMSII INPUT/OUTPUT WIRE CONNECTIONS**
NOT TO SCALE

SCOPE OF WORK

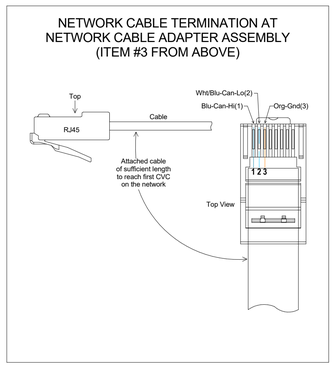
ELECTRICAL CONTRACTOR

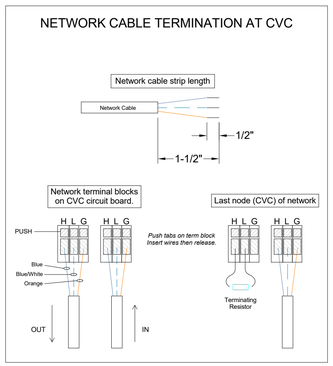
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DAISY-CHAINED CAT 6 CAN BUS NETWORK COMMUNICATION WIRING FROM WILLOUGHBY WMSII OPERATING WORKSTATION TO CVC (CELL VALVE CONTROLLER). IF LOCAL CODE REQUIRES CONDUIT, CONDUIT IS TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR TO PROVIDE & CONNECT 120V POWER TO CHASE MOUNTED TRANSFORMER. TRANSFORMER PROVIDED BY CELL MANUFACTURER/DIVISION 22 CONTRACTOR DEPENDING ON LOCATION OF FIXTURE(I.E. PREFAB CELL OR NON-PREFAB CELL).
- ELECTRICAL CONTRACTOR TO PROVIDE & CONNECT MALE RJ45 CONNECTOR TO NETWORK COMMUNICATION WIRING AT WMSII OPERATING WORKSTATION AS SHOWN IN NETWORK TERMINATION DETAIL.
- ELECTRICAL CONTRACTOR IS TO INSTALL WILLOUGHBY WMSII OPERATING WORKSTATION WITH WILLOUGHBY WMSII SOFTWARE, USB-TO-CAN INTERFACE AND NETWORK ADAPTER. WILLOUGHBY WMSII OPERATING WORKSTATION WITH WILLOUGHBY WMSII SOFTWARE, USB-TO-CAN INTERFACE AND NETWORK ADAPTER PROVIDED BY CELL MANUFACTURER.

NOTE: RECOMMENDED THAT CVC TRANSFORMER BE CONNECTED TO EMERGENCY BACK-UP POWER

PLUMBING CONTRACTOR

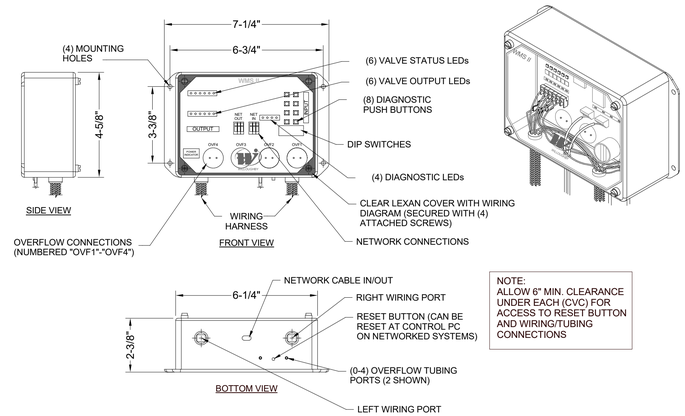
- PLUMBING CONTRACTOR TO INSTALL WILLOUGHBY ELECTRONIC FLUSH, LAVATORY, SHOWER VALVES IN CHASE WITH NO LONGER THAN 1" SCREWS AND MOUNT WILLOUGHBY CVC CELL VALVE CONTROLLER AND 24V TRANSFORMER TO CHASE WALL.
- PLUMBING CONTRACTOR TO CONNECT WIRING FROM PUSHBUTTONS TO CVC AND FROM CVC BACK TO ELECTRONIC LAVATORY, SHOWER AND FLUSH VALVES.
- PLUMBING CONTRACTOR IS TO PROVIDE WILLOUGHBY WMSII ELECTRONIC WATER MANAGEMENT SYSTEM; INCLUDING WMSII OPERATING WORKSTATION W/ WMSII SOFTWARE, USB-TO-CAN INTERFACE AND NETWORK ADAPTOR, CVC CELL VALVE CONTROLLERS, 24V TRANSFORMERS, ELECTRONIC PUSHBUTTONS, ELECTRONIC FLUSH, LAVATORY AND SHOWER VALVES, WIRING FROM PUSHBUTTONS TO CVC AND FROM CVC TO ELECTRONIC VALVES.
- PLUMBING CONTRACTOR TO INSTALL ELECTRONIC PUSHBUTTONS TO WILLOUGHBY PLUMBING FIXTURES.





* NETWORK CABLE AND ANY REQUIRED CONDUIT TO BE INSTALLED AND PROVIDED BY ELECTRICAL CONTRACTOR

3 **WILLOUGHBY WMSII NETWORK CABLE TERMINATIONS**
NOT TO SCALE



1 **WILLOUGHBY WMSII CVC PHYSICAL DIMENSIONS AND IDENTIFICATION**
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11/11/19

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DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

PLUMBING DETAILS - 1

DRAWING NUMBER: P5.1
PLUMBING

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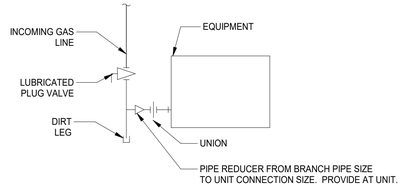
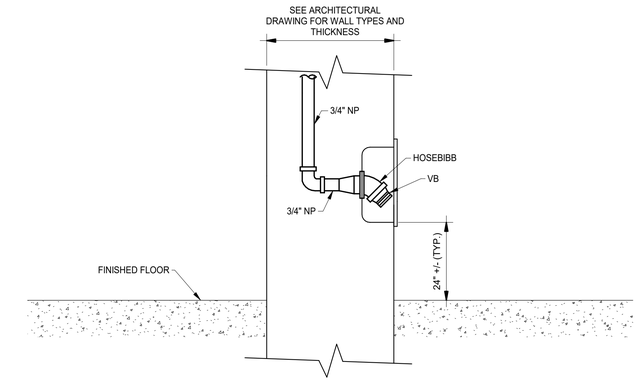
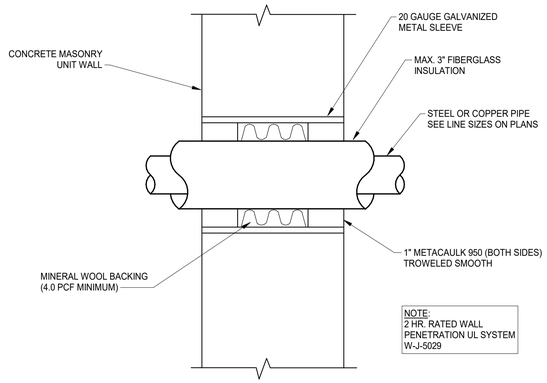


8 GAS EQUIPMENT CONNECTION DETAIL
SCALE: N.T.S.



3 SECURE PERIMETER HOSEBIBB AND EXTERIOR MOUNTING DETAIL
SCALE: N.T.S.



7 PIPE FIRE/SMOKE WALL PENETRATION DETAIL
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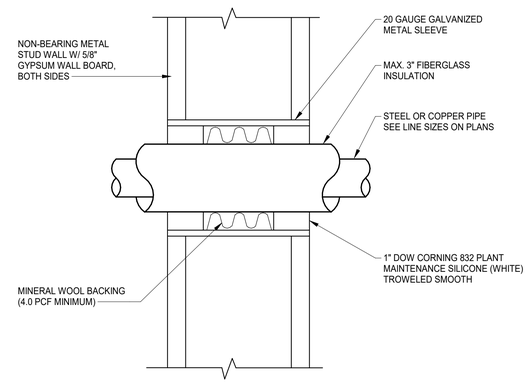
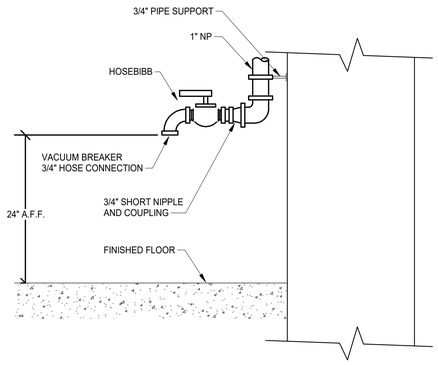
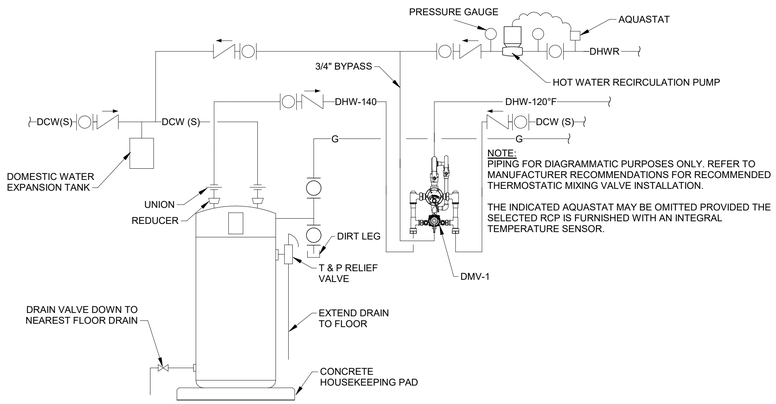


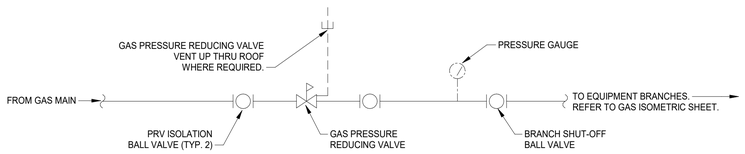
6 PIPE WALL PENETRATION DETAIL
SCALE: N.T.S.



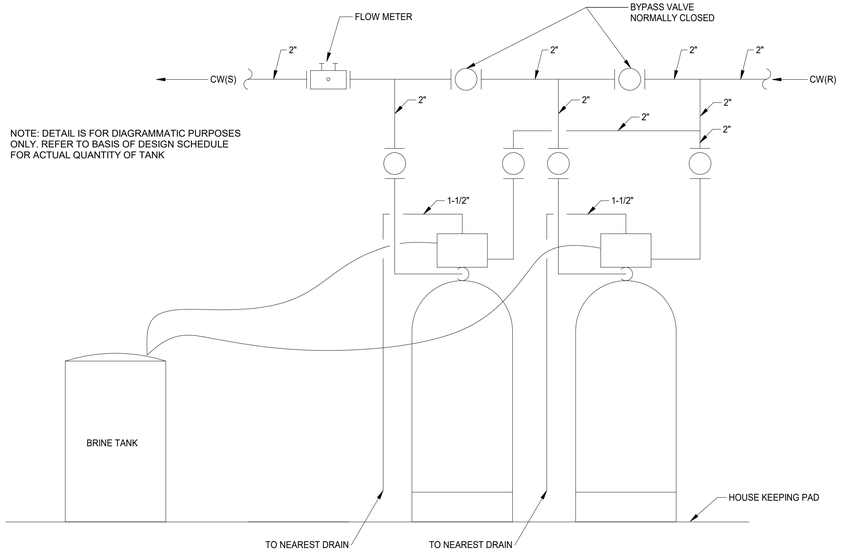
2 INTERIOR HOSEBIBB MOUNTING DETAIL
SCALE: N.T.S.



5 WATER HEATER DETAIL
SCALE: N.T.S.



4 GAS PRESSURE AND SHUTOFF VALVE DETAIL
SCALE: N.T.S.



1 WATER SOFTENER DETAIL
SCALE: N.T.S.

DLZ
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STATE OF OHIO
KYUNG-HOON BANG
P.E.83897
REGISTERED PROFESSIONAL ENGINEER
2026.09.22 12:12:00

NO.	REVISION	DATE

DRAWN: SN/JW | CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

PLUMBING DETAILS - 2

DRAWING NUMBER: P5.2
PLUMBING

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9/22/2026 12:13:45 PM

GAS PRESSURE REDUCING VALVE SCHEDULE

TAG	GAS LOAD (CFH)	INLET PRESSURE (PSI)	MANUFACTURER	MODEL	OUTLET PRESSURE		EQUIPMENT SERVED
					MIN (IN WG)	MAX (IN WC)	
PRV-1	195	2	MAXITROL	325-5	6.0	10.5	RT-6
PRV-2	200	2	MAXITROL	325-5	3.5	14.0	WH-1, WH-2
PRV-3	90	2	MAXITROL	325-5	6.0	10.5	RT-5
PRV-4	2100	2	MAXITROL	325-9	6.0	11.0	EXISTING MECHANICAL ROOM

NOTE:
1. REFER TO DETAIL 4/P5.2 FOR ADDITIONAL INFORMATION.

MIXING VALVE SCHEDULE

TAG	EQUIPMENT	DESCRIPTION	BASIS OF DESIGN	FLOW (GPM)	PRESSURE DROP (PSI)	REMARKS
DMV-1	DIGITAL MIXING VALVE MANIFOLD	ASSE 1017 MASTER DIGITAL MIXING VALVE MANIFOLD FOR POTABLE WATER. ONE (1) MIXING VALVE. MIXING VALVE HAVE INTEGRAL RTD SENSOR PER VALVE . PROVIDE OPTIONAL SENSORS FOR INLET HOT WATER, INLET COLD WATER, AND RETURN WATER TEMPERATURE PER VALVE. MANIFOLD ASSEMBLY WITH 3/4" INLETS, 3/4" OUTLET, AND 3/4" RETURN PIPING INLET AND OUTLETS. 3 GPM MINIMUM FLOW CAPACITY. AUTOMATIC HOT/COLD SHUTOFF UPON HOT/COLD WATER INLET SUPPLY FAILURE. USER PROGRAMMABLE FOR ON-SITE CONFIGURATION, HIGH-TEMP SANITIZATION MODE, AND HIGH/LOW TEMPERATURE ALARM. ETL LISTED 120V PLUG IN POWER SUPPLY WITH 6' CORD (1 PER VALVE). FACTORY ASSEMBLED AND TESTED.	LEONARD MODEL: PPV-075-LF-CV	14	5	SET TO 120°F ■ CONNECT TO BMS FOR MONITORING PURPOSES.
TMV-1	THERMOSTATIC MIXING VALVE	ASSE 1069 RATED HIGH LOW THERMOSTATIC MIXING VALVE. DIAL THERMOMETER ON INLET AND OUTLET. INTEGRAL HOT AND COLD INLET CHECK VALVES WITH WALL SUPPORT. MINIMUM FLOW RATE OF 1.0 GPM. COPPER ENCAPSULATED THERMOSTATIC ELEMENT. LOCKING VANDAL-RESISTANT TEMPERATURE ADJUSTMENT CAP.	LEONARD MODEL: XL-690-LF-DT-TC-IT	7	10	SET TO 105°F ■ PROVIDE TAP ON OUTLET PIPE FOR TEMPERATURE SENSOR AND CONNECT TO BMS FOR MONITORING PURPOSES.

WATER HAMMER ARRESTOR SCHEDULE

TYPE	FIXTURE UNIT RATING	I.P.S.	MODEL
WHA-A	0-11	3/4"	5005
WHA-B	12-32	1"	5010

PLUMBING VIBRATION ISOLATION SCHEDULE

EQUIPMENT	LOCATION	ELEVATION FROM GRADE	BASE TYPE	ISOLATOR TYPE	MIN. STATIC DEFLECTION (IN)
DOMESTIC WATER BOOSTER PUMP	MECHANICAL D119	0-4"	C	3	0.75"
HOT WATER RECIRCULATING PUMP	MECHANICAL D119	3'-0"	A	4	1"

NOTE: THESE ARE MINIMUM REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
NOTES:
1. BASE TYPES
   A = DIRECT ISOLATION
   B = STRUCTURAL STEEL RAILS OR BASE
   C = CONCRETE INERTIA BASE
   D = CURB-MOUNTED BASE
2. ISOLATOR TYPES
   TYPE - 1 = FIBERGLASS OR NEOPRENE PAD
   TYPE - 2 = FLOOR ISOLATOR OR HANGER
   TYPE - 3 = SPRING FLOOR ISOLATOR OR HANGER
   TYPE - 4 = RESTRAINED SPRING ISOLATOR

BACKFLOW PREVENTER SCHEDULE

TAG	DESCRIPTION	BASIS OF DESIGN	NOTES
RPZ-1	REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPZ), NSF/ANSI/CAN 61 AND 372 CERTIFIED, ASSE 1013 LISTED, AWWA C511 COMPLIANT. MAIN BODY AND ACCESS COVERS SHALL BE LOW LEAD CAST BRONZE (ASTM B584). INTERNAL POLYMERS AND SEAT RING SHALL BE NORYL™. SEAT DISC ELASTOMERS SHALL BE FDA APPROVED SILICONE AND BUNA-N. SPRINGS AND FASTENERS SHALL BE 300 SERIES STAINLESS STEEL. FULL PORT SHUT-OFF BALL VALVES WITH TEST COCKS. MAXIMUM WORKING PRESSURE 175 PSI. MAXIMUM WORKING TEMPERATURE 180°F. THREADED FNPT END CONNECTIONS.	ZURN / WILKINS MODEL: 975XL3 2"	14 PSI LOSS @ 150 GPM INSTALL PER MANUFACTURER REQUIREMENTS
RPZ-2	REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPZ), NSF/ANSI/CAN 61 AND 372 CERTIFIED, ASSE 1013 LISTED, AWWA C511 COMPLIANT. MAIN BODY AND ACCESS COVERS SHALL BE LOW LEAD CAST BRONZE (ASTM B584). INTERNAL POLYMERS AND SEAT RING SHALL BE NORYL™. SEAT DISC ELASTOMERS SHALL BE FDA APPROVED SILICONE AND BUNA-N. SPRINGS AND FASTENERS SHALL BE 300 SERIES STAINLESS STEEL. FULL PORT SHUT-OFF BALL VALVES WITH TEST COCKS. MAXIMUM WORKING PRESSURE 175 PSI. MAXIMUM WORKING TEMPERATURE 180°F. THREADED FNPT END CONNECTIONS.	ZURN / WILKINS MODEL: 975XL3 2"	14 PSI LOSS @ 150 GPM INSTALL PER MANUFACTURER REQUIREMENTS

PLUMBING EQUIPMENT SCHEDULE

TAG	EQUIPMENT	DESCRIPTION	BASIS OF DESIGN	MOTOR DATA		ELECTRICAL DATA		SYSTEM HEAD	FLOW RATE (GPM)	NOTES
				HP	RPM	VOLTAGE	PHASE			
DET-1	DOMESTIC WATER EXPANSION TANK	EXPANSION TANK: ASME RATED, DIAPHRAGM TYPE STEEL TANK CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION E OF THE CURRENT ASME BOILER AND PRESSURE VESSEL CODE. PRE-CHARGED VESSEL. PROVIDE PRESSURE RELIEF VALVE.	BELL & GOSSETT PTA-30V	-	-	-	-	-	-	
DWBP-1	DOMESTIC WATER BOOSTER PUMP	DOMESTIC WATER BOOSTER PUMP: TWO (2) NSF CERTIFIED, VERTICAL MULTISTAGE PUMPS. PUMP CONSTRUCTION IS FORMED 304 STAINLESS STEEL WITH MECHANICAL SEAL. INCLUDE SUCTION AND DISCHARGE SIDE ISOLATING BUTTERFLY VALVES, CHECK VALVES, AND GOOVED SUCTION AND DISCHARGE HEADERS. INCLUDE CONTROL PANEL WITH NON-FUSED DISCONNECT, PLC OPERATION, SEQUENCING, DATA AND FAULT LOGS, ALARM HORN, TOUCHSCREEN, VARIABLE FREQUENCY DRIVES.	ARMSTRONG STATION MODEL: NPS-110030-09S-3 HP	(2) 3 HP	-	460	3	35 PSI	65	INTERFACE WITH BUILDING MANAGEMENT SYSTEM.
RCP-1	HOT WATER RECIRCULATION PUMP	HOT WATER RECIRCULATION PUMP: HIGH EFFICIENCY ELECTRONICALLY COMMUTATED PERMANENT MAGNET MOTOR (ECM/PM). LEAD FREE BRONZE BODY DESIGNED FOR POTABLE WATER PLUMBING SYSTEMS. STAINLESS STEEL IMPELLER AND SHAFT, PERMANENT MAGNET ROTOR, CARBON SLEEVE BEARING, EPDM GASKET/O-RING, ALL OTHER WETTED PARTS STAINLESS STEEL.	BELL & GOSSETT MODEL: ECOCIRC+ 20-18	0.1	2,316	115	1	1.0	1.8	PROVIDE DEDICATED CIRCUIT BREAKER. PROVIDE DISCONNECT SWITCH. CONNECT TO BMS FOR MONITORING PURPOSES.
WH-1	WATER HEATER	STORAGE-TYPE GAS WATER HEATER: FLOOR MOUNTED, MINIMUM 95% THERMAL EFFICIENCY, HIGH EFFICIENCY MODULATING, POWERED ANODE, SEAMLESS GLASS-LINED STEEL TANK. INTELLIGENT CONTROL SYSTEM WITH TOUCH SCREEN. A STORAGE CAPACITY OF 60 GALLONS, AN INPUT RATING OF 100,000 BTUH A RECOVERY RATING OF 115 GALLONS PER HOUR AT 100°F RISE AND MAXIMUM HYDROSTATIC WORKING PRESSURE OF 150 PSI.	AOSMITH MODEL: BTH-100A	-	-	120	1	-	-	SET TO 140°F. PROVIDE WITH CONDENSATE NEUTRALIZING KITS.
WH-2	WATER HEATER	STORAGE-TYPE GAS WATER HEATER: FLOOR MOUNTED, MINIMUM 95% THERMAL EFFICIENCY, HIGH EFFICIENCY MODULATING, POWERED ANODE, SEAMLESS GLASS-LINED STEEL TANK. INTELLIGENT CONTROL SYSTEM WITH TOUCH SCREEN. A STORAGE CAPACITY OF 60 GALLONS, AN INPUT RATING OF 100,000 BTUH A RECOVERY RATING OF 115 GALLONS PER HOUR AT 100°F RISE AND MAXIMUM HYDROSTATIC WORKING PRESSURE OF 150 PSI.	AOSMITH MODEL: BTH-100A	-	-	120	1	-	-	SET TO 140°F. PROVIDE WITH CONDENSATE NEUTRALIZING KITS.
WS-1	WATER SOFTENER	DUPLEX WATER SOFTENER: US FDA APPROVED DFT WITH AN EPOXY PHENOLIC COATED TANK, DUPLEX UNIT, PROGRESSIVE FLOW. ONE (1) BRINE TANK, AUTOMATIC CONTROLS. EACH MINERAL TANK RATED FOR 55 GPM CONTINUOUS FLOW AT 15-PSIG DROP, 72.5 GPM PEAK FLOW AT 25-PSIG DROP, 2" MANIFOLD PIPE. TWO (2) Ø16"x66" TANKS AND ONE (1) Ø24"x40" BRINE TANK, 120 KGR MAXIMUM AT 60 LBS SALT CAPACITY.	CULLIGAN MODEL: CTM-120 HWB NHWB MT	-	-	208	3	-	55 @ 15 PSI 72.5 @ 25 PSI	

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE TYPE	DESCRIPTION	BASIS OF DESIGN	SAN/WASTE	VENT	COLD WATER	HOT WATER	NOTES
CU-1	COMBINATION UNIT (CENTER	15" WIDE FIXTURE SHALL BE FABRICATED FROM 14 GAUGE, TYPE 304 STAINLESS STEEL. THE CONSTRUCTION SHALL BE ALL WELDED WITH EXPOSED STAINLESS STEEL SURFACES POLISHED TO A #4 SATIN FINISH. ■ STANDARD TOILET SHALL INCLUDE: ELONGATED TOILET BOWL WITH CONTOURED SEAT, INTEGRAL CREVICE FREE SELF DRAINING FLUSHING RIM WITH POSITIVE AFTERFILL AND FULLY ENCLOSED 2-1/2"O.D. TRAP WHICH SHALL MAINTAIN A MINIMUM 2" SEAL AND PASS A 2" BALL. TOILET SHALL BE BLOWOUT TYPE WHICH REQUIRES 35 PSI MINIMUM FLUSHING PRESSURE. 1.28 GPF ■ STANDARD LAVATORY SHALL INCLUDE: OVAL SHAPED BOWL 12-3/4"x8-1/4"x5" DEEP, STAINLESS STEEL FILLER/BUBBLER, FAST DRAIN WITH AIR VENT, ELBOW WASTE (1-1/2" FIP) AND SELF DRAINING SOAP DISH. 0.5 GPM WITH DEFAULT OPERATION DURATION SET TO 12 SECONDS ■ ACCESSORIES: ON FLOOR MOUNTING, LIGATURE RESISTANT BUBBLER/FILLER, PUSH BUTTONS, AND TOILET SKIRT, LAVATORY OVERFLOW, MANUAL RESET TOILET OVERFLOW PREVENTER, AND RECESSED TISSUE HOLDER. UNIT SHALL BE COMPATIBLE WITH ELECTRONIC WATER MANAGEMENT SYSEM.	WILLOUGHBY MODEL: ECW-1546-C-ON-BPH-1.28-E1L2-PZPB-WMSII-EB-OV-LW1-SLO W-TWE-PCB4-TWC4C-ET4-EFVP-FVT-TF24H-WS-SK-TSC	4"	2"	1-1/2"	3/4"	TISSUE HOLDER TO BE LOCATED FACING DOOR OPENING OF CELL.
CU-2	COMBINATION UNIT (ADA, LEFT / RIGHT)	48" WIDE FIXTURE SHALL BE FABRICATED FROM 14 GAUGE, TYPE 304 STAINLESS STEEL. UNIT SHALL INCLUDE A GRAB BARS AND MODIFIED WITHECABINET EXTENSION AND CLOSURE PLATE FOR GRAB BAR. THE CONSTRUCTION SHALL BE ALL WELDED WITH EXPOSED STAINLESS STEEL SURFACES POLISHED TO A #4 SATIN FINISH. VERIFY ORIENTATION WITH PLANS. ■ STANDARD TOILET SHALL INCLUDE: ELONGATED TOILET BOWL WITH CONTOURED SEAT, INTEGRAL CREVICE FREE SELF DRAINING FLUSHING RIM WITH POSITIVE AFTERFILL AND FULLY ENCLOSED 2-1/2"O.D. TRAP WHICH SHALL MAINTAIN A MINIMUM 2" SEAL AND PASS A 2" BALL. TOILET SHALL BE BLOWOUT TYPE WHICH REQUIRES 35 PSI MINIMUM FLUSHING PRESSURE. 1.28 GPF ■ STANDARD LAVATORY SHALL INCLUDE: OVAL SHAPED BOWL 13"x9.5"x6" DEEP, STAINLESS STEEL FILLER/BUBBLER, FAST DRAIN WITH AIR VENT, ELBOW WASTE (1-1/2" FIP) AND SELF DRAINING SOAP DISH. 0.5 GPM WITH DEFAULT OPERATION DURATION SET TO 12 SECONDS ■ ACCESSORIES: ON FLOOR MOUNTING, LIGATURE RESISTANT BUBBLER/FILLER, PUSH BUTTONS, GRAB BARS, TOILET SKIRT, LAVATORY OVERFLOW, AND MANUAL RESET TOILET OVERFLOW PREVENTER. UNIT SHALL BE COMPATIBLE WITH ELECTRONIC WATER MANAGEMENT SYSTEM.	WILLOUGHBY MODEL: ECW-4896-L/R-ON-DFBH-1.28-E1L2-PZPB-WMSII-EB-OV-LW1-S LOW-TWE-PCB4-TWC4C-ET4-EFVP-FVT-TF24H-WS-LSK-TSC	4"	2"	1-1/2"	3/4"	ADA COMPLIANT.
CVC-1	CELL VALVE CONTROLLER	WATER MANAGEMENT SYSTEM CONTROL PANEL/TRANSFORMER. LOCATION AND QUANTITY OF FIXTURES CONTROL BY EACH CVC SHALL BE AS REQUIRED BY MANUFACTURER. 115/1PH.	WILLOUGHBY WMSII	-	-	-	-	CVC COMPUTER TO BE LOCATED ONE (1) IN THE MASTER CONTROL ROOM, AND ONE (1) IN THE MAINTENANCE STAFF ROOM.
DF-1	DRINKING FOUNTAIN	STAINLESS STEEL LIGATURE-RESISTANT HANDICAP, ADA COMPLIANT FRONT ACCESS DRINKING FOUNTAIN. UNIT SHALL BE FABRICATED FROM 14 GAUGE, TYPE 304 STAINLESS STEEL. THE CONSTRUCTION SHALL CONSIST OF AN ALL-WELDED LAVATORY CABINET AND ALL-WELDED TRAP ENCLOSURE, WITH EXPOSED STAINLESS SURFACES POLISHED TO A #4 SATIN FINISH. ALL EXPOSED FASTENERS SHALL BE VANDAL-RESISTANT SECURITY TYPE SCREWS.	WILLOUGHBY MODEL: WBDF-1519-HC-FA-DMBH-PSL1-PBH-RPT	1-1/4"	1-1/4"	3/4"	-	
FCO-1	FLOOR CLEANOUT	ADJUSTABLE LEVELING FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND SCORIATED SECURED LIGHT-DUTY TOP WITH ADDITIONAL LEVELING ADJUSTMENT TO FINISHED FLOOR. PROVIDE SECURITY FASTENERS IN SECURE AREAS.	ZURN MODEL: Z1400-BZ-ZS-VP	4"	-	-	-	MATCH PIPE SIZE.
FD-1	FLOOR DRAIN (SECURITY, TRAP SEAL)	LACQUERED CAST IRON HEAVY DUTY FLOOR DRAIN WITH 5" ROUND STAINLESS STEEL, ADJUSTABLE STRAINER, AND DEEP SUMP BODY COMPLETE WITH SEDIMENT BUCKET. PROVIDE ASSE 1072 TRAP PROTECTION DEVICE. PROVIDE SECURITY SCREWS FOR USE IN CORRECTIONAL FACILITY.	WILLOUGHBY MODEL: LRFD-6RD	3"	-	-	-	MATCH PIPE SIZE.
FD-2	FLOOR DRAIN	LACQUERED CAST IRON FLOOR DRAIN WITH 5" ROUND POLISHED NICKEL BRONZE TOP, ADJUSTABLE STRAINER, AND DEEP SUMP BODY COMPLETE WITH SEDIMENT BUCKET. PROVIDE ASSE 1072 TRAP PROTECTION DEVICE.	ZURN MODEL: Z415B-2,3,4-ZN-Y	3"	-	-	-	MATCH PIPE SIZE. PROVIDE WITH TRAP PROTECTION DEVICE SIMILAR TO SURESEAL.
FS-1	FLOOR SINK	12 INCH SQUARE BY 8 INCH DEEP SANITARY FLOOR SINK CONSTRUCTED OF 16 GUAGE STAINLESS STEEL. LOOSE-MOUNTED GRATE HAVING 1/2" SQUARE OPENINGS, PROVIDE SEDIMENT BUCKET. PROVIDE WITH ASSE 1072 TRAP PROTECTION DEVICE.	ZURN MODEL: Z1751-S	3"	-	-	-	
HB-1	WALL HYDRANT (INDOOR)	EXPOSED, LEAD FREE, ANTI-SIPHON WALL HYDRANT WITH EXTERNAL VACUUM BREAKER, BRONZE AND STAINLESS STEEL INTERIOR COMPONENTS, VANDAL RESISTANT OPERATING STEM, AND SECURED WHEEL-TYPE HANDLE. PROVIDE 3/4" MALE HOSE CONNECTION.	ZURN MODEL: Z1341XL-P34	-	-	3/4"	-	CENTER ELEVATION @ 2'-0" A.F.F.
HB-2	WALL HYDRANT (SECURITY)	RECESSED BOX AND WALL FLANGE WITH DOOR AND VACUUM BREAKER SHALL BE FABRICATED FROM 304 STAINLESS STEEL WITH EXPOSED SURFACES POLISHED TO A SATIN FINISH. PROVIDE ½" NOMINAL BRASS FITTINGS, SCREWDRIVER STOPS ON INLETS, AND ¾" HOSE CONNECTION.	WILLOUGHBY MODEL: HB-8151	-	-	3/4"	-	CENTER ELEVATION @ 2'-0" A.F.F.
HB-3	WALL HYDRANT (FREEZELESS)	CONCEALED BOX TYPE, FREEZELESS WALL HYDRANT, AUTOMATIC DRAINING, ANTI-SIPHON VACUUM BREAKER WITH ¾" MALE HOSE THREAD, LOOSE TEE KEY, CHROME PLATED EXTERIOR FINISH.	WOODFORD MODEL: NO. B65	-	-	3/4"	-	CENTER ELEVATION @ 2'-0" A.F.F.
RH-1	ROOF HYDRANT	NON FREEZE ROOF HYDRANT WITH 3/4" MALE HOSE CONNECTION, HEAVY DUTY CAST IRON HEAD CASTING AND LIFT HANDLE WITH LOCK FEATURE AND COMBINATION 3/4" (19) FEMALE AND 1" (25) MALE INLET CONNECTION. HYDRANT ASSEMBLY COMPLETE WITH EPOXY COATED STEEL MOUNTING FLANGE AND MEMBRANE CLAMP AND HARDENED BRONZE OPERATING STEM.	MIFAB MODEL: MHY-59-U	-	-	3/4"	-	
SD-1	FLOOR DRAIN (SECURITY, TRAP SEAL)	LACQUERED CAST IRON FLOOR DRAIN WITH 5"" ROUND POLISHED NICKEL BRONZE TOP, ADJUSTABLE STRAINER, AND DEEP SUMP BODY COMPLETE WITH SEDIMENT BUCKET. PROVIDE ASSE 1072 TRAP PROTECTION DEVICE. PROVIDE WITH SECURITY SCREWS FOR USE IN CORRECTIONAL FACILITY IN SECURE AREAS.	ZURN MODEL: Z415B-2,3,4-ZN-Y	2"	2"	-	-	MATCH PIPE SIZE.
SH-1	SECURITY SHOWER (ADA) (FRONT ACCESS)	SECURITY ADA SHOWER. NON-ADJUSTABLE LIGATURE RESISTANT SHOWER HEAD (2.0 GPM) TO BE LOCATED ON WALL AT 72" A.F.F. PROVIDE ADDITIONAL FIXED, LIGATURE RESISTANT SHOWER HEAD (2.0 GPM) ON WALL AT 48" A.F.F. EACH SHOWER HEAD WILL HAVE DEDICATED ELECTRONIC PUSHBUTTON CONTROLS CONNECTED TO WATER MANAGEMENT SYSTEM. SEE ARCHITECTURAL DRAWINGS FOR SHOWER ENCLOSURE.	WILLOUGHBY MODEL: WRS-FA-ADA-L/R-E1L1-PZPB-2.0GPM-WMSII-LRSH-2HD-WS	-	-	-	3/4"	ADA COMPLIANT.
TD-1	TRENCH DRAIN (SECURITY, TRAP SEAL)	POLYESTER FIBER REINFORCED POLYMER CONCRETE TRENCH DRAIN WITH 4 INCH CLEAR OPEN THROAT AND HAVE A ROUND BOTTOM WITH SMOOTH INTERIOR FINISH. SECTIONS SHALL BE STRAIGHT AND 96" LONG. TRENCH BODY TO HAVE LESS THAN 0.35% WATER ABSORPTION AND BE RESISTANT TO DILUTE ACIDS AND ALKALIS PER ASTM C267. GRATING SHALL BE HEEL PROOF AND ADA COMPLIANT 12 GAUGE TYPE 304 STAINLESS STEEL PERFORATED GRATE. PERFORATIONS SHALL BE NO MORE THAN 1/4". GRATE SHALL HAVE MINIMUM LOAD RATING OF DIN CLASS A. GRATES SHALL BE SECURELY LOCKED TO FRAME WITH VANDAL RESISTANT STAINLESS STEEL BOLT AND LOCKING TOGGLE MECHANISM. PROVIDE ASSE 1072 TRAP PROTECTION DEVICE.	DURATRENCH MODEL: DTPF4-05E24SSA-MDSS08ZSA-GLWCB4-NSR-2B40 INCH OVERALL LENGTH.	2"	-	-	-	

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DLZ Architecture, Inc.

STATE OF OHIO
KYUNG-HOON BAIK
P.E.83997
REGISTERED PROFESSIONAL ENGINEER
2026.09.22 12:12:00

NO.	REVISION	DATE

DRAWN: SN/JW/ CHK'D: ML
DESIGNED: KB
APPRV'D: KB
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

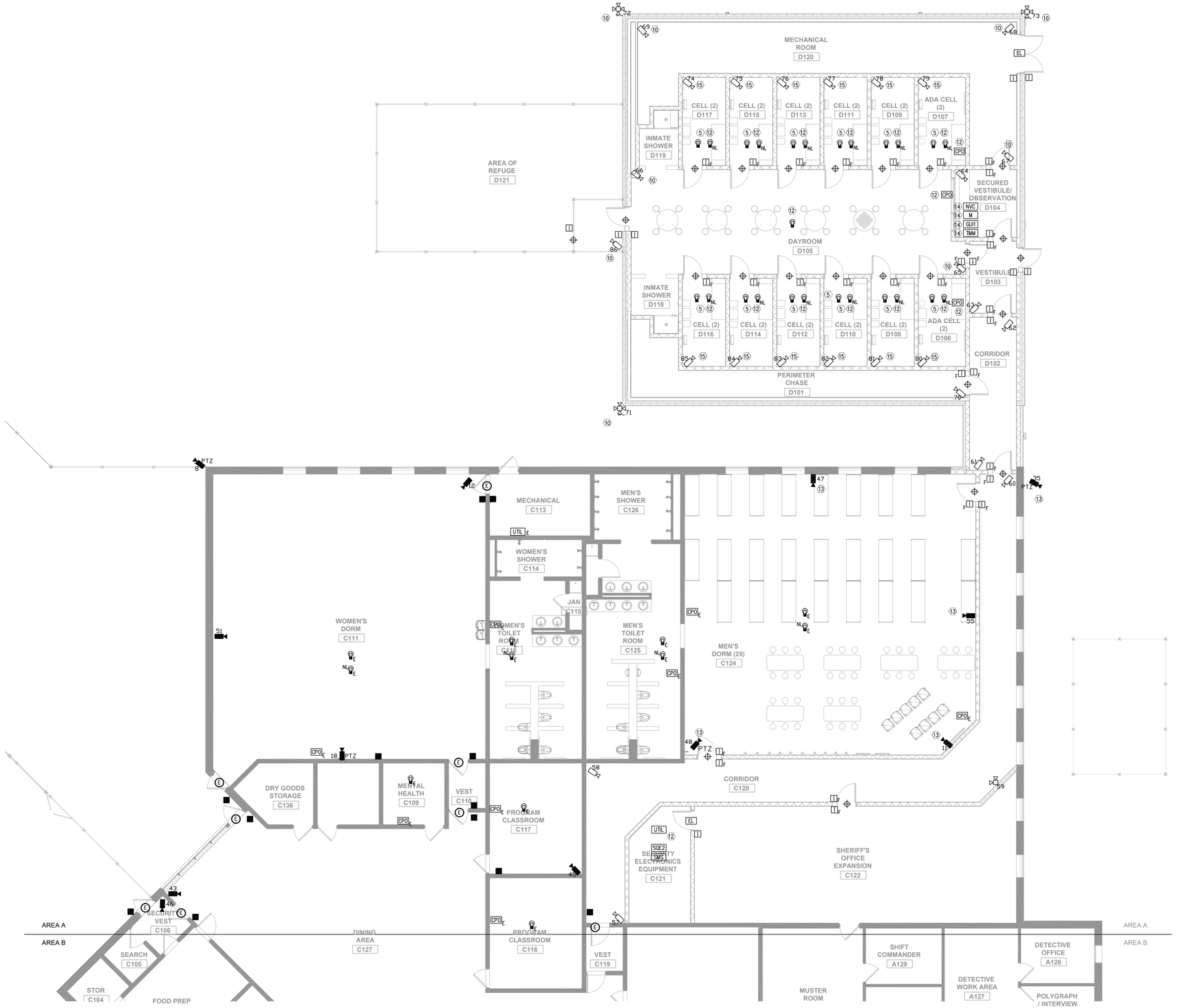
101 HOME RD MT GILEAD, OHIO 43338

MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

PLUMBING FIXTURE AND EQUIPMENT SCHEDULES

DRAWING NUMBER P6.1

PLUMBING



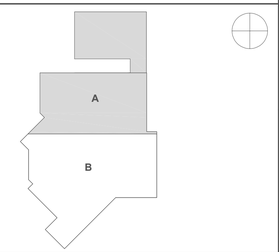
SECURITY ELECTRONICS LEGEND

- GUI# — GRAPHICAL USER INTERFACE STATION (# INDICATES LOCATION) (E=EXISTING LOCATION)
- SMS — SECURITY MANAGEMENT SERVER
- SOE# — SECURITY EQUIPMENT ENCLOSURE (# INDICATES LOCATION)
- UTIL — UTILITY RELAY ENCLOSURE (E=EXISTING LOCATION)
- CP — EXISTING CONTROL PANEL
- DR — UNDER-COUNTER DOOR RELEASE PUSHBUTTON
- MONITORED AND CONTROLLED DOOR (DETENTION) (CD = COILED DOOR, OH = OVERHEAD DOOR)
- E — EXISTING MONITORED AND CONTROLLED DOOR (OH = OVERHEAD DOOR)
- EL — MONITORED AND CONTROLLED DOOR (COMMERCIAL)
- DPS — DOOR POSITION SWITCH (E = EXISTING)
- PR — EXISTING PROXIMITY READER
- EXISTING INTERCOM STATION W/CALL SWITCH
- REMOTE INTERCOM STATION W/CALL SWITCH (WR=WEATHER RESISTANT; HS=WITH INTEGRAL HANDSET, PS=PRIVACY SWITCH). STATIONS SHALL BE MOUNTED IN FRAME WHERE DETENTION FRAMES ARE PROVIDED.
- TMM — TOUCHSCREEN INTERCOM MASTER STATION
- S — PAGING SPEAKER
- EXISTING IP CAMERA (# INDICATES CAMERA NUMBER, PTZ=PAN-TILT-ZOOM)
- IP CAMERA (# INDICATES CAMERA NUMBER, M=INTEGRATED MICROPHONE, PTZ=PAN-TILT-ZOOM)
- SINGLE SENSOR 360 DEGREE CAMERA (# INDICATES CAMERA NUMBER, M=INTEGRATED MICROPHONE)
- MULTI-SENSOR 360 DEGREE CAMERA (# INDICATES CAMERA NUMBER)
- MULTI-SENSOR 180 DEGREE CAMERA (# INDICATES CAMERA NUMBER)
- M — NETWORK VIDEO CLIENT MONITOR
- NVC — NETWORK VIDEO CLIENT COMPUTER
- CPO — CONTROLLED POWER OUTLET (E=EXISTING)
- CONTROLLED LIGHTING CIRCUIT (E=EXISTING, NL = NIGHT LIGHT CIRCUIT)

SECURITY ELECTRONICS NOTES

1. REPLACE EXISTING CAMERA WITH NEW CAMERA TYPE PER DIVISION 28 SPECS.
2. COORDINATE EXACT LOCATION OF FIELD DEVICE(S) WITH ARCHITECT AND OWNER.
3. DIV. 26 SHALL EXTEND THE EXISTING CABLING AND RE-LOCATE THE EXISTING CAMERA TO THE NEW LOCATION.
4. EXISTING CONTROL PANEL WILL NOT BE RE-USED OR REPLACED.
5. CELL NIGHT LIGHTING CONTROLLED AS A GROUP.
6. EXISTING CARD ACCESS CONTROL PANEL WILL BE RE-USED.
7. DIV. 28 SSI SHALL COORDINATE DEVICES TO BE LOCATED IN DETENTION FRAMES WITH DETENTION EQUIPMENT CONTRACTOR AND DIV. 26 ELECTRICAL CONTRACTOR.
8. DIV. 28 SSI SHALL REPLACE THE EXISTING CONTROL STATION WITH A NEW AIPHONE MASTER STATION, AND REPLACE THE EXISTING INTERCOM STATION WITH A NEW AIPHONE INTERCOM STATION.
9. RE-LOCATE EXISTING CAMERA TO VIEW AREA.
10. MOUNTING HEIGHTS OF CAMERAS SHALL BE DETERMINED DURING SUBMITTAL PHASE OF PROJECT WITH INPUT FROM ARCHITECT AND OWNER. DIV. 26 SHALL REFERENCE DIV. 28 APPROVED SUBMITTAL DOCUMENTATION FOR MOUNTING HEIGHTS (TYP).
11. EXISTING CONTROL CONSOLE/MILLWORK TO BE RE-USED.
12. LIGHTING AND RECEPTACLE CONTROL VIA DRY-CONTACT INTERFACE WITH RELAY ENCLOSURE PROVIDED BY DIV. 26.
13. DIV. 26 SHALL EXTEND THE EXISTING CABLING AND RE-LOCATE THE EXISTING CAMERA TO AVOID NEW CONSTRUCTION. COORDINATE NEW LOCATION WITH THE OWNER.
14. DIV. 26 TO PROVIDE ROUGH-INS AND CABLE FOR THE DEVICES NOTED.
15. DIV. 26 TO PROVIDE ROUGH-INS AND CABLE IN THE CHASE FOR THE FUTURE CAMERAS.

KEYPLAN



DLZ Connect. Build. Thrive. DLZ Architecture, Inc.

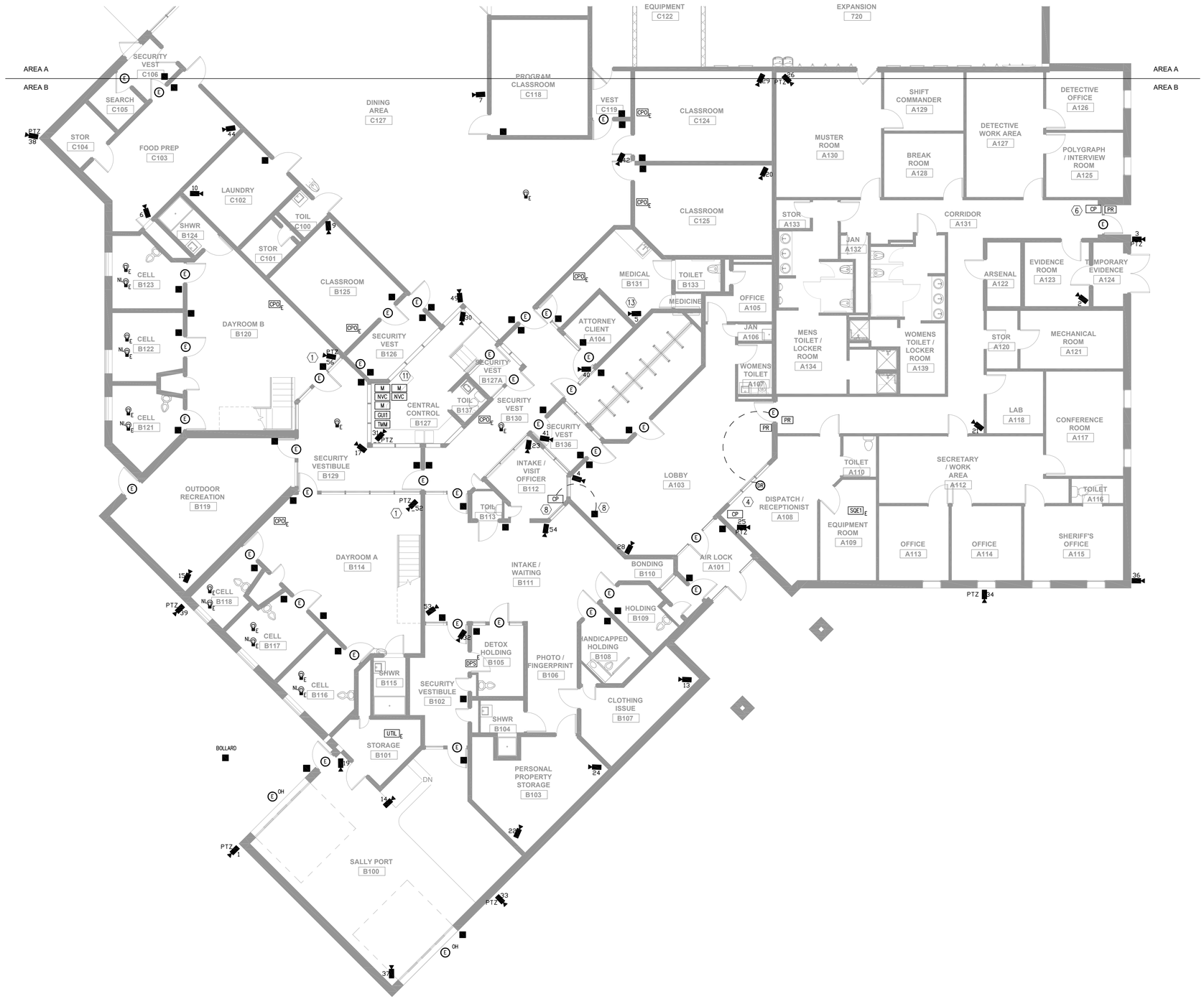
NO.	REVISION	DATE

DRAWN: Author | CHKD: Checker
DESIGNED: Designer
APPRVD: Approver
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

MORROW COUNTY CORRECTIONAL FACILITY AND SHERIFF'S OFFICE ADDITION AND RENOVATIONS
101 HOME RD MT GILEAD, OHIO 43338

SECURITY ELECTRONICS - FIRST FLOOR PLAN - AREA A

DRAWING NUMBER: SE1.1 — SECURITY



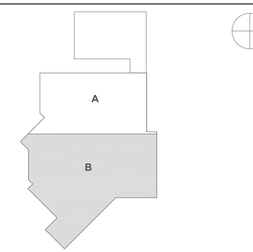
SECURITY ELECTRONICS LEGEND

GUI#	GRAPHICAL USER INTERFACE STATION (# INDICATES LOCATION) (E=EXISTING LOCATION)
SMS	SECURITY MANAGEMENT SERVER
SQE#	SECURITY EQUIPMENT ENCLOSURE (# INDICATES LOCATION)
UTIL	UTILITY RELAY ENCLOSURE (E=EXISTING LOCATION)
CP	EXISTING CONTROL PANEL
DR	UNDER-COUNTER DOOR RELEASE PUSHBUTTON
	MONITORED AND CONTROLLED DOOR (DETENTION) (CD = COILED DOOR, OH = OVERHEAD DOOR)
E	EXISTING MONITORED AND CONTROLLED DOOR (OH = OVERHEAD DOOR)
EL	MONITORED AND CONTROLLED DOOR (COMMERCIAL)
DPS	DOOR POSITION SWITCH (E = EXISTING)
PR	EXISTING PROXIMITY READER
	EXISTING INTERCOM STATION W/CALL SWITCH
	REMOTE INTERCOM STATION W/CALL SWITCH (WR=WEATHER RESISTANT; HS=WITH INTEGRAL HANDSET, PS=PRIVACY SWITCH). STATIONS SHALL BE MOUNTED IN FRAME WHERE DETENTION FRAMES ARE PROVIDED.
TMM	TOUCHSCREEN INTERCOM MASTER STATION
S	PAGING SPEAKER
	EXISTING IP CAMERA (# INDICATES CAMERA NUMBER, PTZ=PAN-TILT-ZOOM)
	IP CAMERA (# INDICATES CAMERA NUMBER, M=INTEGRATED MICROPHONE, PTZ=PAN-TILT-ZOOM)
	SINGLE SENSOR 360 DEGREE CAMERA (# INDICATES CAMERA NUMBER, M=INTEGRATED MICROPHONE)
	MULTI-SENSOR 360 DEGREE CAMERA (# INDICATES CAMERA NUMBER)
	MULTI-SENSOR 180 DEGREE CAMERA (# INDICATES CAMERA NUMBER)
M	NETWORK VIDEO CLIENT MONITOR
NVC	NETWORK VIDEO CLIENT COMPUTER
CPO	CONTROLLED POWER OUTLET (E=EXISTING)
	CONTROLLED LIGHTING CIRCUIT (E=EXISTING, NL = NIGHT LIGHT CIRCUIT)

SECURITY ELECTRONICS NOTES

1. REPLACE EXISTING CAMERA WITH NEW CAMERA TYPE PER DIVISION 28 SPECS.
2. COORDINATE EXACT LOCATION OF FIELD DEVICE(S) WITH ARCHITECT AND OWNER.
3. DIV. 26 SHALL EXTEND THE EXISTING CABLING AND RE-LOCATE THE EXISTING CAMERA TO THE NEW LOCATION.
4. EXISITNG CONTROL PANEL WILL NOT BE RE-USED OR REPLACED.
5. CELL NIGHT LIGHTING CONTROLLED AS A GROUP.
6. EXISITNG CARD ACCESS CONTROL PANEL WILL BE RE-USED.
7. DIV. 28 SSI SHALL COORDINATE DEVICES TO BE LOCATED IN DETENTION FRAMES WITH DETENTION EQUIPMENT CONTRACTOR AND DIV. 26 ELECTRICAL CONTRACTOR.
8. DIV. 28 SSI SHALL REPLACE THE EXISTING CONTROL STATION WITH A NEW AIPHONE MASTER STATION, AND REPLACE THE EXISTING INTERCOM STATION WITH A NEW AIPHONE INTERCOM STATION.
9. RE-LOCATE EXISTING CAMERA TO VIEW AREA.
10. MOUNTING HEIGHTS OF CAMERAS SHALL BE DETERMINED DURING SUBMITTAL PHASE OF PROJECT WITH INPUT FROM ARCHITECT AND OWNER. DIV. 26 SHALL REFERENCE DIV. 28 APPROVED SUBMITTAL DOCUMENTATION FOR MOUNTING HEIGHTS (TYP).
11. EXISTING CONTROL CONSOLE/MILLWORK TO BE RE-USED.
12. LIGHTING AND RECEPTACLE CONTROL VIA DRY-CONTACT INTERFACE WITH RELAY ENCLOSURE PROVIDED BY DIV. 26.
13. DIV. 26 SHALL EXTEND THE EXISTING CABLING AND RE-LOCATE THE EXISTING CAMERA TO AVOID NEW CONSTRUCTION. COORDINATE NEW LOCATION WITH THE OWNER.
14. DIV. 26 TO PROVIDE ROUGH-INS AND CABLE FOR THE DEVICES NOTED.
15. DIV. 26 TO PROVIDE ROUGH-INS AND CABLE IN THE CHASE FOR THE FUTURE CAMERAS.

KEYPLAN



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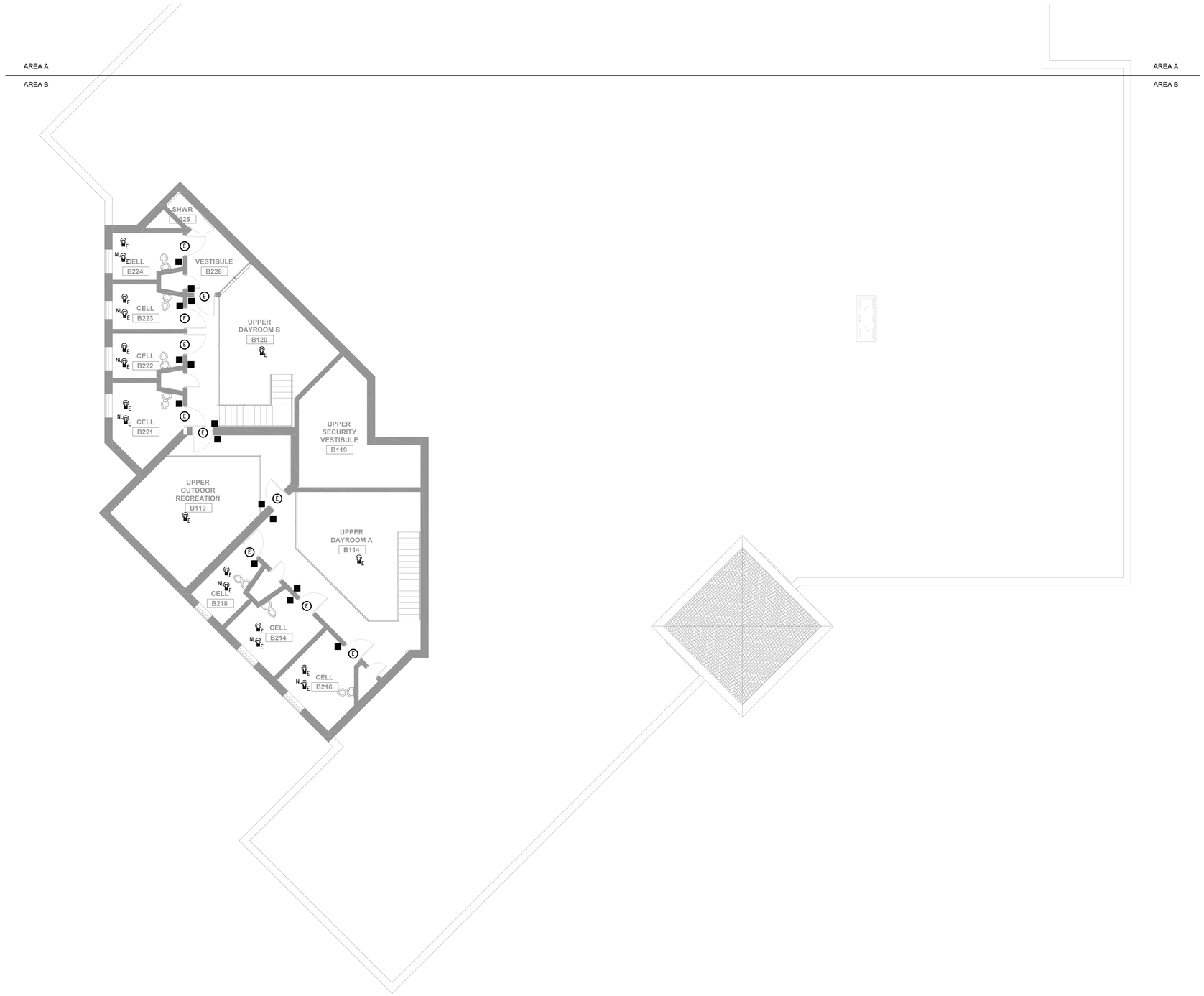
MORROW COUNTY CORRECTIONAL FACILITY AND SHERIFF'S OFFICE ADDITION AND RENOVATIONS
101 HOME RD MT GILEAD, OHIO 43338

SECURITY ELECTRONICS - FIRST FLOOR PLAN - AREA B

DRAWING NUMBER SE1.2 SECURITY



SECURITY ELECTRONICS LEGEND

GUI#	GRAPHICAL USER INTERFACE STATION (# INDICATES LOCATION) (E=EXISTING LOCATION)
SMS	SECURITY MANAGEMENT SERVER
SOE#	SECURITY EQUIPMENT ENCLOSURE (# INDICATES LOCATION)
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CP	EXISTING CONTROL PANEL
DPB	UNDER-COUNTER DOOR RELEASE PUSHBUTTON
	MONITORED AND CONTROLLED DOOR (DETENTION) (CD = COILED DOOR, OH = OVERHEAD DOOR)
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EL	MONITORED AND CONTROLLED DOOR (COMMERCIAL)
DPS	DOOR POSITION SWITCH (E = EXISTING)
PR	EXISTING PROXIMITY READER
	EXISTING INTERCOM STATION W/CALL SWITCH
	REMOTE INTERCOM STATION W/CALL SWITCH (WR=WEATHER RESISTANT; HS=WITH INTEGRAL HANDSET, PS=PRIVACY SWITCH). STATIONS SHALL BE MOUNTED IN FRAME WHERE DETENTION FRAMES ARE PROVIDED.
TMM	TOUCHSCREEN INTERCOM MASTER STATION
S	PAGING SPEAKER
	EXISTING IP CAMERA (# INDICATES CAMERA NUMBER, PTZ=PAN-TILT-ZOOM)
	IP CAMERA (# INDICATES CAMERA NUMBER, M=INTEGRATED MICROPHONE, PTZ=PAN-TILT-ZOOM)
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	MULTI-SENSOR 360 DEGREE CAMERA (# INDICATES CAMERA NUMBER)
	MULTI-SENSOR 180 DEGREE CAMERA (# INDICATES CAMERA NUMBER)
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SECURITY ELECTRONICS NOTES

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5. CELL NIGHT LIGHTING CONTROLLED AS A GROUP.
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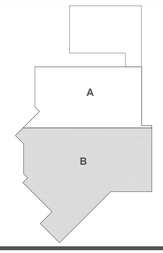
14. DIV. 26 TO PROVIDE ROUGH-INS AND CABLE FOR THE DEVICES NOTED.
15. DIV. 26 TO PROVIDE ROUGH-INS AND CABLE IN THE CHASE FOR THE FUTURE CAMERAS.

KEYPLAN



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NO.	REVISION	DATE

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CHK'D: Checker
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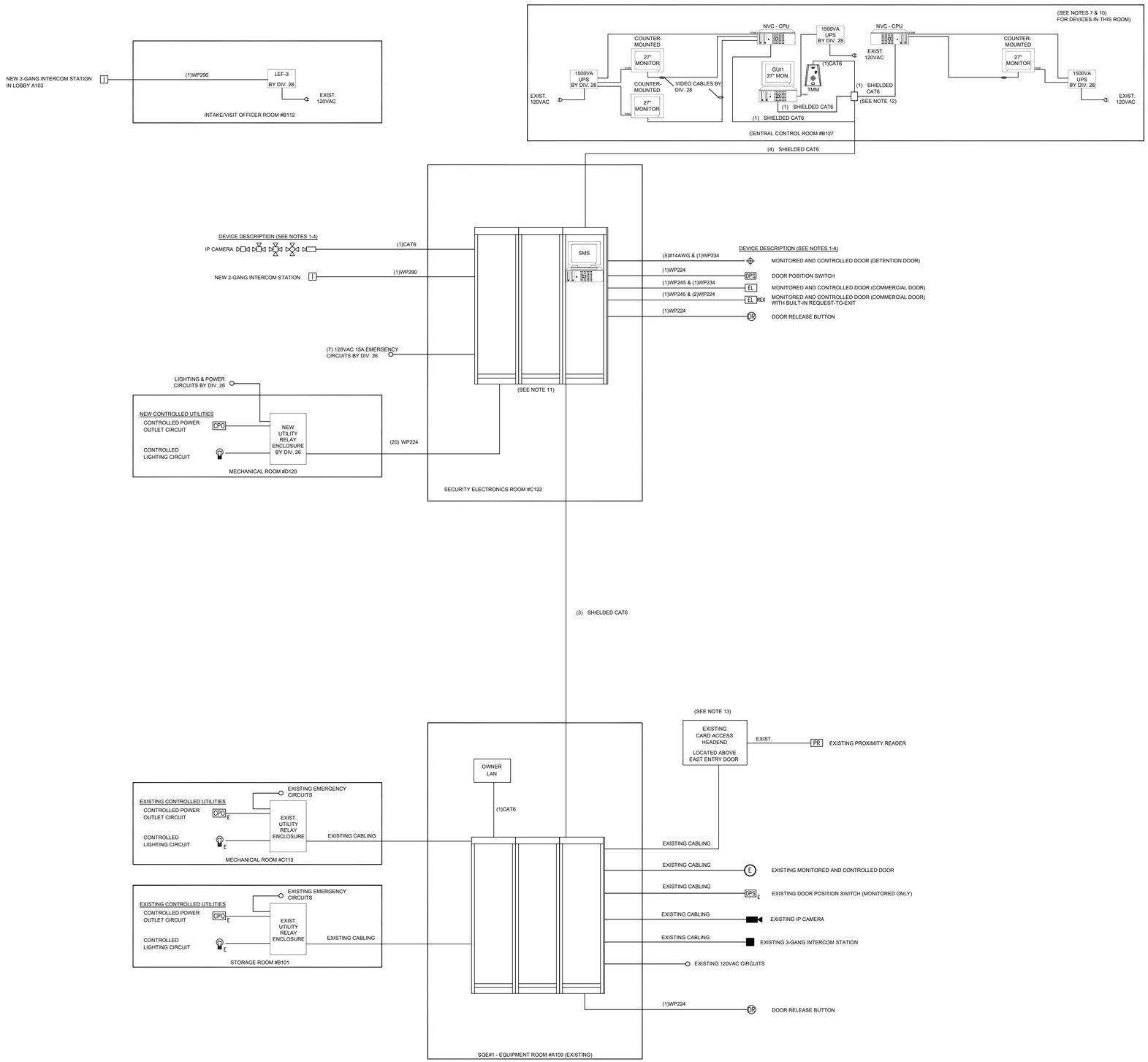
PROJECT NUMBER 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY AND SHERIFF'S OFFICE
ADDITION AND RENOVATIONS

SECURITY ELECTRONICS - SECOND FLOOR PLAN - AREA B

DRAWING NUMBER
SE2.2
SECURITY



NOTES:

1. EACH FIELD DEVICE REQUIRES SPECIFIED WIRE QUANTITY.
2. FIELD DEVICE WIRING SHOWN FOR EACH DEVICE TO BE HOME RUN. WIRING FOR LIKE DEVICES MAY BE RUN IN THE SAME CONDUIT AND/OR CABLE TRAY.
3. WP - WEST PENN, MAY SUBSTITUTE
4. WIRE TYPES ARE TYPICAL, DIV. 26 TO MEET ALL ELECTRICAL CODES AND SPECIFICATION MINIMUMS INCLUDING THE USE OF PLENUM AND WET RATED CABLE WHERE APPLICABLE.
5. INDICATES UPS POWER REQUIRED BY. DIV. 28 POWER WIRING AND RECEPTACLES BY DIV. 26
6. DIV. 26 CONTRACTOR TO REFERENCE DIV. 26 SPECIFICATIONS FOR ALL CONDUIT/RACEWAY AND CABLE REQUIREMENTS.
7. DIV. 26 AND DIV. 28 TO COORDINATE EXACT LOCATION OF DEVICES WITH OWNER.
8. DIV. 26 SHALL REFER TO APPROVED DIV. 28 SHOP DRAWINGS FOR ACTUAL CABLE REQUIREMENTS, NUMBER OF EQUIPMENT ENCLOSURES, AND SYSTEM LAYOUT. DIV. 26 SHALL COORDINATE WITH DIV. 28 FOR SYSTEM REQUIREMENTS.
9. LOCATE AXIS T6101 CLOSE TO CAMERA AND MICROPHONE.
10. DIV. 28 AND DIV. 26 SHALL COORDINATE CABLE OPENINGS WITH MILLWORK/CASEWORK PROVIDER.
11. VERIFY ACTUAL NUMBER OF ENCLOSURES WITH APPROVED SUBMITTAL DRAWINGS.
12. DIV. 26 TO RUN CABLING TO A 2 GANG, 3 1/2" DEEP BOX LOCATED WITHIN 4 FEET OF GUI STATION.
13. DIV. 28 SHALL RE-USE EXISTING CARD READERS AND HEADEND EQUIPMENT.
14. SPEAKERS IN THE SAME ZONE CAN BE DAISY-CHAINED. DIV. 26 SHALL REFERENCE APPROVED SUBMITTAL DRAWINGS FOR FINAL ZONE ASSIGNMENTS.
15. WALL & CEILING MOUNT MONITORS IN ROOM TO BE CONNECTED TO NETWORK VIDEO CLIENT PCS VIA DIV. 28-PROVIDED HDMI CABLES AND INSTALLED BY DIV. 26.
16. CAT6 CABLE RUNS CANNOT EXCEED 300 FEET. FOR CAMERA LOCATIONS WITH CABLE RUNS IN EXCESS OF 300 FEET, DIV. 26 SHALL USE PAIGE DATA CABLE NUMBER 258310333 FOR RISER AND 258300336 FOR PLENUM.
17.
18. DIV. 28 TO REFERENCE DIV. 26 DRAWINGS FOR ELECTRICAL PANEL SCHEDULES, INDICATING UTILITY CONTROL CIRCUITS.
19.
20. REFERENCE DIV. 28 DRAWINGS AND SPECIFICATIONS FOR UTILITY CONTROL SCHEDULES.

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MORROW COUNTY
CORRECTIONAL FACILITY AND SHERIFF'S OFFICE
ADDITION AND RENOVATIONS

SECURITY ELECTRONICS - RISER

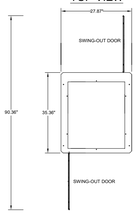
DRAWING NUMBER SE3.1 SECURITY

BACKBOX REQUIREMENTS		
SYMBOL	UNIT	DESCRIPTION
GUI#	GRAPHICAL USER INTERFACE STATION	2 GANG DEEP BOX BY DIV. 26 LOCATED UNDER MILLWORK. GUI STATION MONITOR LOCATED ON MILLWORK OR DESK SURFACE.
SMS	SECURITY MANAGEMENT SERVER	SINGLE DEEP GANG BOX BY DIV. 26 LOCATED UNDER DESKTOP SURFACE. SMS MONITOR LOCATED ON DESK SURFACE.
DL, SL	MONITORED AND CONTROLLED DETENTION LOCK	IN DOOR FRAME, BY OTHERS
OH, CD	OVERHEAD DOOR/COILING DOOR	2 GANG BOX ADJACENT TO DOOR OPERATOR, AND SINGLE GANG BOX ADJACENT TO DOOR POSITION SWITCH (IF SWITCH IS NOT IN OPERATOR)
DPS	DOOR POSITION SWITCH	IN DOOR FRAME, BY OTHERS
PR PK	PROXIMITY READER, PROXIMITY/KEYPAD READER	SINGLE GANG DEEP BOX BY DIV. 26 OR SINGLE GANG BOX IN FRAME BY FRAME SUPPLIER (COMMERCIAL OR DETENTION)
EL	MONITORED AND CONTROLLED COMMERCIAL LOCK	IN DOOR FRAME, BY OTHERS
RQE	REQUEST TO EXIT MOTION DETECTOR	SINGLE GANG DEEP BOX (HORIZONTAL, ABOVE DOOR) BY DIV. 26
DR PB	DOOR RELEASE PUSHBUTTON, CALL PUSHBUTTON	SINGLE GANG DEEP BOX BY DIV. 26
PV	PRIVACY SWITCH	SINGLE GANG DEEP BOX BY DIV. 26
KS	KEY SWITCH /LED	SINGLE GANG DEEP BOX BY DIV. 26
D-UC	DURESS PUSHBUTTON, UNDER COUNTER	SINGLE GANG DEEP BOX UNDER MILLWORK BY DIV. 26
D-WM	DURESS PUSHBUTTON, WALL-MOUNTED	SINGLE GANG DEEP BOX BY DIV. 26
	REMOTE INTERCOM STATION W/CALL SWITCH	2 GANG DEEP MASONRY BOX BY DIV. 26 OR 2 GANG 3 1/2" DEEP BOX IN FRAME BY DIV. 11
M	MICROPHONE	SINGLE GANG BOX IN CEILING BY DIV. 26
S T	CEILING-MOUNTED PAGING SPEAKER, CEILING SPEAKER WITH AUDIO THRESHOLD DETECTION	CUSTOM FLUSH MOUNT OR SURFACE BOX PROVIDED BY DIV. 28 SSI, INSTALLED BY DIV. 26
VH	VISITATION HANDSET	2 GANG DEEP BOX BY DIV. 26
	INTERIOR CCTV CAMERA	FOR SURFACE MOUNT ON CONCRETE, CONDUIT STUB BY DIV. 26. FOR DROP CEILING, 4 SQUARE OR 2-GANG BOX BY DIV. 26 AND HOUSING AND ELECTRICAL BOX ADAPTER BY DIV. 28 (REFER TO SCHEDULE).
	EXTERIOR CCTV CAMERA	HOUSING, MOUNT AND JUNCTION BOX ADAPTER BY DIV. 28 SSI. 4 SQUARE, 2 GANG BACK BOX, OR CONDUIT STUB BY DIV. 26.
M	CCTV MONITOR	EQUIPMENT LOCATED ON MILLWORK SURFACE. VIDEO CABLE BETWEEN MONITOR AND PC PROVIDED BY DIV. 28 SSI.
NVC	NETWORK VIDEO CLIENT COMPUTER	SINGLE GANG DEEP BOX UNDER MILLWORK/DESK BY DIV. 26
	MULTI-SENSOR 180 DEGREE CAMERA	HOUSING, MOUNT AND JUNCTION BOX ADAPTER BY DIV. 28 SSI. 4 SQUARE, 2 GANG BACK BOX, OR CONDUIT STUB BY DIV. 26.
	MULTI-SENSOR 360 DEGREE CAMERA	HOUSING, MOUNT AND JUNCTION BOX ADAPTER BY DIV. 28 SSI. 4 SQUARE, 2 GANG BACK BOX, OR CONDUIT STUB BY DIV. 26.
	SINGLE SENSOR 360 DEGREE CAMERA	HOUSING, MOUNT AND JUNCTION BOX ADAPTER BY DIV. 28 SSI. 4 SQUARE, 2 GANG BACK BOX, OR CONDUIT STUB BY DIV. 26.
ODS	3-BUTTON CONTROL STATION FOR OVERHEAD DOOR OPERATOR	SINGLE GANG DEEP BOX BY DIV. 26

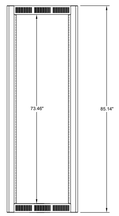
1 BACKBOX SCHEDULE
SCALE = N/A

DIV. 26 SHALL VERIFY ACTUAL NUMBER OF FREE-STANDING SECURITY EQUIPMENT ENCLOSURES REQUIRED WITH DIV. 28 SHOP DRAWINGS. DIV. 26 SHALL ROUTE CABLE THROUGH THE TOP OF EQUIPMENT ENCLOSURES. DIV. 26 SHALL INSTALL CABLE THROUGH ABOVE RACKS IN ORDER TO DISTRIBUTE CABLE. SECURITY EQUIPMENT ENCLOSURES ARE NOT MEANT TO BE USED AS PULL-LOCATIONS.

TOP VIEW



FRONT VIEW



3 FREE-STANDING ENCLOSURE DETAIL
SCALE = N/A

CABLE SCHEDULE			
MFG	PART #	ABBREVIATION	DESCRIPTION
WEST PENN	224	WP224	18/2 STRANDED BARE COPPER CONDUCTORS, UNSHIELDED WITH AN OVERALL JACKET
WEST PENN	234	WP234	18/3 STRANDED BARE COPPER CONDUCTORS, UNSHIELDED WITH AN OVERALL JACKET
WEST PENN	244	WP244	18/4 STRANDED BARE COPPER CONDUCTORS, UNSHIELDED WITH AN OVERALL JACKET
WEST PENN	245	WP245	16/4 STRANDED BARE COPPER CONDUCTORS, UNSHIELDED WITH AN OVERALL JACKET
WEST PENN	290	WP290	22/2 SOLID BARE COPPER CONDUCTORS, SHIELDED WITH AN OVERALL JACKET
WEST PENN	292	WP292	20/2 STRANDED BARE COPPER CONDUCTORS, SHIELDED WITH AN OVERALL JACKET
WEST PENN	293	WP293	18/2 STRANDED BARE COPPER CONDUCTORS, SHIELDED WITH AN OVERALL JACKET
WEST PENN	3271	WP3271	22/8 STRANDED BARE COPPER CONDUCTORS, SHIELDED WITH AN OVERALL JACKET
WEST PENN	25274B	WP25274B	22/15 STRANDED BARE COPPER CONDUCTORS, UNSHIELDED WITH AN OVERALL JACKET, PLENUM
WEST PENN	WP9C240T	WP9C240T	INTERLOCKED ARMOR DISTRIBUTION CABLE - 6 FIBER OM3 OFCP
PAIGE DATACOM	258310333	258310333	4 PAIR SOLID BARE COPPER; 22AWG, UNSHIELDED WITH AN OVERALL JACKET, RISER
PAIGE DATACOM	258300336	258300336	4 PAIR SOLID BARE COPPER; 22AWG, UNSHIELDED WITH AN OVERALL JACKET, PLENUM
BELDEN	3105A	3105A	1 PAIR 22AWG, OVERALL FOIL + 65% TINNED COPPER BRAID, PVC JACKET, RS-485

NOTES: DIV. 26 SHALL UTILIZE THE EQUIVALENT PLENUM RATED OR WET RATED CABLE WHERE REQUIRED.

4 CABLE SCHEDULE
SCALE = N/A

5 EXTERIOR MULTI-IMAGER CAMERA
SCALE = N/A

6 CAMERA DETAILS FOR DROP CEILINGS
SCALE = N/A

7 CAMERA DETAILS FOR CORNER MOUNTING
SCALE = N/A

UTILITY RELAY CONTROL PANEL INTERFACE SCHEDULE				
RELAY #	DEVICE	DEVICE LOCATION	VOLTAGE	CIRCUIT
1	LIGHTS	CELL NIGHT LIGHT	277V	LEM-27
2	LIGHTS	CELL D106	277V	LS1-7
3	LIGHTS	CELL D107	277V	LS1-7
4	LIGHTS	CELL D108	277V	LEM-7
5	LIGHTS	CELL D109	277V	LS1-7
6	LIGHTS	CELL D110	277V	LS1-7
7	LIGHTS	CELL D111	277V	LS1-7
8	LIGHTS	CELL D112	277V	LS1-7
9	LIGHTS	CELL D113	277V	LS1-7
10	LIGHTS	CELL D114	277V	LS1-7
11	LIGHTS	CELL D115	277V	LS1-7
12	RECEPT.	DAYROOM	120V	PEM-1
13	RECEPT.	ADA CELL D106	120V	PEM-2
14	RECEPT.	ADA CELL D107	120V	PEM-3
15	LIGHTS	CELL D116	277V	LS1-7
16	LIGHTS	CELL D117	277V	LS1-7
17	LIGHTS	DAYROOM (NIGHT LIGHT)	277V	LEM-25
18	LIGHTS	DAYROOM	277V	LEM-25

8 CONTROLLED RELAY SCHEDULE
SCALE = N/A

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SECURITY ELECTRONICS - RISER DETAILS

DRAWING NUMBER SE3.2 SECURITY

1. GENERAL

A. THE INFORMATION ON THIS SHEET SHALL APPLY TO ALL CONSTRUCTION DOCUMENTS.
B. INFORMATION ON THIS SHEET SUPPLEMENTS THE PROJECT SPECIFICATIONS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
C. NUMEROUS OPENINGS ARE REQUIRED THROUGH THE ROOF AND FLOORS. SEE ALL OTHER TRADES' DRAWINGS FOR SIZE AND EXACT LOCATION OF ALL PENETRATIONS. PENETRATIONS LESS THAN 12" MAY NOT ALL BE INDICATED ON STRUCTURAL DRAWINGS. PENETRATIONS LESS THAN 12" SHALL HAVE AT LEAST 1'-0" CLEAR BETWEEN OPENINGS, UNLESS APPROVED IN WRITING BY THE SER.
D. UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO INDICATE DESIGN INTENT AND ARE TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE.
E. THESE DRAWINGS ARE NOT TO BE USED FOR SHOP DETAILING UNLESS SPECIFICALLY STAMPED BY THE STRUCTURAL ENGINEER ON THE DRAWINGS "FOR DETAILING". THESE DRAWINGS ARE NOT TO BE REPRODUCED FOR THE PURPOSE OF USING THEM AS SHOP DRAWINGS. ANY SHOP DRAWINGS SUBMITTED WITH COPIES OF THESE DRAWINGS WITHOUT PRIOR APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD WILL BE REJECTED AND RESUBMITTAL WILL BE REQUIRED.
F. THE INFORMATION CONTAINED ON THE STRUCTURAL DRAWINGS IS IN ITSELF INCOMPLETE AND VOID UNLESS USED IN CONJUNCTION WITH ALL OTHER DISCIPLINE DRAWINGS, THE SPECIFICATIONS, TRADE PRACTICES, OR APPLICABLE STANDARDS, CODES, ETC.
G. CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING EXCAVATION, SHORING, SCAFFOLDING, BRACING, ERECTION, FORMWORK, ETC.), FOR COORDINATION OF THE VARIOUS TRADES, AND FOR SAFE CONDITIONS ON THE JOB SITE. VARIATIONS IN FIELD CONDITIONS RELATIVE TO THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER AS SOON AS THEY ARE FOUND. WORK SHALL NOT PROGRESS UNTIL WRITTEN PERMISSION FROM THE ENGINEER IS OBTAINED.
H. ELEVATION 1201.57, FIELD VERIFY TO MATCH EXISTING, AS SHOWN ON THE SITE DRAWINGS IS EQUAL TO 100'-0" AS USED IN THE STRUCTURAL DRAWINGS.
I. WHERE CONFLICTS OR DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS EXIST THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR CLARIFICATION. THE CONTRACTOR SHALL NOT ASSUME ANY ITEM TAKES PRECEDENCE OVER THE OTHER. ANY ACTION THE CONTRACTOR MAKES PRIOR TO NOTIFICATION SHALL BE AT THE CONTRACTOR'S RISK.
J. THESE DRAWINGS SHALL NOT BE SCALED TO OBTAIN DIMENSIONS. IF THE DIMENSIONS CANNOT BE DETERMINED BY THE INFORMATION GIVEN, CONTRACTOR SHALL CONTACT ENGINEER FOR REQUIRED INFORMATION.
K. SITE OBSERVATION BY THE ENGINEER IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.
L. THE DRAWINGS, SPECIFICATIONS, BIM MODEL AND OTHER DOCUMENTS PREPARED BY DLZ ARCHITECTURE, INC. FOR THIS PROJECT ARE INSTRUMENTS OF THE ENGINEER'S SERVICE, AND MAY BE USED SOLELY WITH RESPECT TO THE PROJECT AND, UNLESS OTHERWISE PROVIDED, THE ENGINEER SHALL BE DEEMED THE AUTHOR OF THESE PLANS AND RETAINS ALL COMMON LAW RIGHTS, TITLES AND INTEREST THEREIN. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES, INCLUDING REPRODUCIBLE COPIES, OF THE ENGINEER'S DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS FOR INFORMATION AND REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT. DLZ SHALL NOT BE LIABLE FOR ANY HARM OR DAMAGE SUFFERED BY ANY PARTY BY REASON OF THE UNAUTHORIZED USE OF THESE PLANS. DLZ EXPRESSLY RESERVES ITS COPYRIGHTS IN THESE PLANS. THESE PLANS MAY NOT BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR MAY THEY BE ASSIGNED OR OTHERWISE MADE AVAILABLE TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF DLZ.
M. DO NOT INSTALL CONDUIT IN SUPPORTED SLABS, SLABS ON GRADE OR CONCRETE WALLS UNLESS EXPLICITLY SHOWN OR NOTED ON THE STRUCTURAL DRAWINGS.
N. DO NOT SUSPEND ANY ITEMS, SUCH AS DUCTWORK, MECHANICAL OR ELECTRICAL FIXTURES, CEILINGS, ETC. FROM STEEL ROOF DECK OR WOOD ROOF SHEATHING.
O. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND REMOVAL OF ALL TEMPORARY BRACING AND CONSTRUCTION SUPPORTS, FOR NEW AND EXISTING STRUCTURES, AS NECESSARY TO COMPLETE THE PROJECT. NO PORTION OF THE PROJECT, WHILE UNDER CONSTRUCTION, IS INTENDED TO BE STABLE IN THE ABSENCE OF THE CONTRACTOR'S TEMPORARY BRACES AND SUPPORTS UNTIL ALL OF THE STRUCTURAL ELEMENTS, INCLUDING THE MASONRY/CONCRETE/PRECAST WALLS, METAL ROOF DECK, SLABS-ON-STEEL DECK, ELEVATED CONCRETE SLABS AND SLABS-ON-GRADE ARE IN PLACE AND FULLY CONNECTED AS INDICATED ON THESE DRAWINGS. CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO DESIGN ALL TEMPORARY BRACING AND CONSTRUCTION SUPPORTS.

2. DESIGN DATA

A. DESIGN CODE:

1) ALL DESIGN IS IN CONFORMANCE WITH THE 2024 OHIO BUILDING CODE (2021 INTERNATIONAL BUILDING CODE AS AMENDED BY THE STATE OF OHIO) (OBC). RISK CATEGORY IS TYPE III FOR THE CORRECTIONAL FACILITY.

B. DESIGN DEAD LOADS: WEIGHT OF ALL MATERIALS OF CONSTRUCTION INCORPORATED INTO THE BUILDING INCLUDING BUT NOT LIMITED TO WALLS, FLOORS, ROOFS, CEILINGS, STAIRWAYS, BUILT IN PARTITIONS, FINISHES, CLADDING, EQUIPMENT AND OTHER SIMILARLY INCORPORATED ITEMS AND EQUIPMENT.

1) ROOF - 10 PSF
2) ROOF COLLATERAL - 15 PSF (2 PSF ALLOTTED FOR FIRE SUPPRESSION)
3) FLOOR - 15 PSF

C. DESIGN LIVE LOADS

1) LOAD TYPE	UNIFORM (PSF)	CONCENTRATED (POUNDS)
2) ROOF LIVE LOAD	20	300
3) FLOOR LIVE LOAD	100	2000
4) CORRIDORS AT FIRST FLOOR	100	
5) MECHANICAL AREAS	125	
6) CELL LIVING AREAS	40	
7) LIVE LOAD REDUCTION NOT USED		

D. WIND LOADING CRITERIA

1) ULTIMATE 3-SECOND WIND SPEED V=115 MPH (RISK CATEGORY III)
2) EXPOSURE C
3) GCPI=±0.18 (ENCLOSED STRUCTURES)
4) REFER TO 1/S7.1 FOR COMPONENT AND CLADDING PRESSURES

E. SNOW LOADING CRITERIA

1) PG=20 PSF
2) PF=22 PSF
3) CORRECTIONAL FACILITY: I=1.1
4) CE=1.0
5) CT=1.0
6) REFER TO DRAWING S7.2 FOR DRIFTED SNOW LOAD DIAGRAM

F. SEISMIC DESIGN CRITERIA: SHERIFF'S OFFICE AND CORRECTIONAL FACILITY

1) I=1.250
2) SS =0.12
3) S1 =0.056
4) SDS=0.128
5) SD1=0.090
6) SITE CLASS - D
7) SEISMIC DESIGN CATEGORY - B
8) SEISMIC FORCE RESISTING FRAME SYSTEM - STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
9) SEISMIC RESPONSE COEFFICIENT - CS = 0.0533
10) RESPONSE MODIFICATION FACTOR - R = 3
11) DESIGN BASE SHEAR - V = 45.7 KIPS
12) ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE

G. SOIL INFORMATION:

1) NET ALLOWABLE SOIL BEARING PRESSURE BELOW FOOTINGS ON NATURAL MATERIAL IS 1500 PSF. IF ALLOWABLE SOIL BEARING PRESSURE CANNOT BE ACHIEVED, OVER EXCAVATE AS SHOWN IN DETAIL 2/S3.0.

H. MATERIALS:

1) CAST-IN-PLACE CONCRETE F'C=4000 PSI
2) REINFORCING STEEL FY=60 KSI (ASTM A615 U.N.O.)
3) WELDED WIRE FABRIC - ASTM A1064
4) CMU F'M=2000 PSI (NET AREA COMPRESSIVE STRENGTH OF UNITS = 2800 PSI) ASTM C-90
5) MORTAR - ASTM C270 - TYPE S
6) GROUT - ASTM C476 - COMPRESSIVE STRENGTH 2500 PSI (MIN)
7) STRUCTURAL STEEL:

A) W-SECTIONS - ASTM A992
B) PLATES, BARS, RODS, ANGLES AND CHANNELS - A36
C) HOLLOW STRUCTURAL STEEL (HSS) - ASTM A500 GRADE C
D) ANCHOR RODS - ASTM F1554, GRADE 36
E) HIGH STRENGTH BOLTS:

AA) GROUP A AS DEFINED BY AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" SECTION J3.1
AB) SNUG TIGHT CONNECTIONS SHALL BE PERMITTED FOR ALL CONNECTIONS EXCEPT FOR MEMBERS OF THE LATERAL FORCE RESISTING SYSTEM.
AC) PRETENSIONED CONNECTIONS SHALL BE USED AT ALL CONNECTIONS FOR THE LATERAL FORCE RESISTING SYSTEM. CONNECTIONS OF THIS TYPE ARE REQUIRED WHERE DRAG BRACING IS CALLED OUT.

F) STEEL DECK - ASTM A653, GRADE 33

8) FILLER METAL FOR WELDING: SHIELDED METAL ARC WELDING - AWS A5.1 OR A5.5 OR E70XX.

I. DESIGN STANDARDS:

1) ACI 318-19 "BUILDING CODE REQUIREMENTS FOR CONCRETE"
2) TMS 402-16 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" - ASD
3) ANSI/AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" - ASD
4) AISI 2020 "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" - ASD

3. CONCRETE AND REINFORCING STEEL

A. ALL REINFORCEMENT LAP AND DEVELOPMENT LENGTHS SHALL SATISFY THE MINIMUM REQUIREMENTS INDICATED IN DETAIL 14/S3.0.
B. WHERE BARS OF TWO DIFFERENT SIZES ARE SPLICED, THE SPLICE LENGTH SHALL BE THE REQUIRED LAP LENGTH FOR THE SMALLER BAR, BUT NOT LESS THAN THE DEVELOPMENT LENGTH FOR THE LARGER BAR.
C. CONTRACTOR MAY ELECT TO USE MECHANICAL BAR SPLICE, WHICH DEVELOPS 125% OF THE BAR STRENGTH, IN LIEU OF LAPPING REINFORCEMENT.
D. ALL REINFORCING BARS SHALL BE CONTINUOUS AT CORNERS. PROVIDE DOWELS OR CORNER BARS AS REQUIRED AND INSTALL PRIOR TO PLACING CONCRETE.
E. SLABS-ON-GRADE: (FINISH EXPOSED) FIBER REINFORCED WITH POLYPROPYLENE MICRO-FIBERS AT THE RATE OF 1.5 POUNDS PER CUBIC YARD OF CONCRETE. FIBER REINFORCEMENT IS IN ADDITION TO THE REQUIRED 6X6-W2.1XW2.1 WELDED WIRE FABRIC. THE FIBERS THAT PENETRATE THE SURFACE IN AREAS OF SLAB-ON-GRADE THAT ARE EXPOSED TO VIEW AND DO NOT RECEIVE ANY FLOOR COVERING SHALL BE TORCHED LIGHTLY. CONTRACTOR SHALL TAKE CARE TO NOT BURN OR SCORCH THE EXPOSED CONCRETE.
F. SLABS-ON-GRADE: (FINISH NOT EXPOSED) FIBER REINFORCED WITH POLYPROPYLENE MICRO-FIBERS AT THE RATE OF 1.5 POUNDS PER CUBIC YARD OF CONCRETE. FIBER REINFORCEMENT IS IN ADDITION TO THE REQUIRED 6X6-W2.1XW2.1 WELDED WIRE FABRIC. THE FIBERS THAT PENETRATE THE SURFACE SHALL BE TORCHED AS REQUIRED TO INSTALL THE FLOOR COVERING.
G. CONCRETE REINFORCEMENT SHOWN IS DIAGRAMMATIC AND ONLY INTENDED TO SHOW THE GENERAL CONFIGURATION, SIZE AND QUANTITY OF REINFORCEMENT. CONTRACTOR/FABRICATOR SHALL FOLLOW THE LAP AND EMBEDMENT LENGTHS PROVIDED AND ACI 315 "ACI DETAILING MANUAL" FOR PROPER DETAILING REQUIREMENTS AND THE CONCRETE REINFORCING STEEL INSTITUTE'S (CRSI) "MANUAL OF STANDARD PRACTICE".
H. ALL CONTROL OR CONSTRUCTION JOINTS IN CONCRETE SLABS-ON-GRADE TO BE PLACED AT A MAXIMUM OF 12 FEET ANY DIRECTION. IN NO CASE SHALL LENGTH-TO-WIDTH RATIO OF CONCRETE SLAB ON GRADE EXCEED 1.5. ALL CONTROL JOINTS TO BE SAW CUT WITHIN 6 HOURS AFTER PLACING CONCRETE.
I. CONTROL AND CONSTRUCTION JOINTS DEPICTED ON DRAWINGS ARE DIAGRAMMATIC AND DO NOT REPRESENT THE FINAL LAYOUT. LAYOUT TO BE PROVIDED BY THE CONTRACTOR IN A SHOP DRAWING TO SER FOR REVIEW SHOWING THEIR FINAL PLACEMENT OF CONTROL VERSUS CONSTRUCTION JOINTS TO BE FOLLOWED. SHOP DRAWING SHALL NOT BE A REPRODUCTION OF CONSTRUCTION DOCUMENTS AND SHALL SHOW ALL SLAB PENETRATIONS.
J. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE". CONTRACTOR SHALL MAINTAIN A COPY OF THIS SPECIFICATION ON SITE DURING CONSTRUCTION.
K. CHAMFER EXPOSED CONCRETE EDGES 3/4" U.N.O.
L. ALL WELDED WIRE FABRIC INDICATED ON DRAWINGS SHALL BE FLAT SHEETS AND SHALL BE PLACED 1 1/2" FROM THE TOP OF THE SLAB AND SUPPORTED ON CONCRETE BRICKS, WIRE, OR CHAIRS. WELDED WIRE FABRIC SHALL NOT BE LIFTED INTO PLACE DURING CONCRETE PLACEMENT. WELDED WIRE FABRIC SHALL BE LAPPED SUCH THAT THE OVERLAP IS EQUAL TO THE CROSSWIRE SPACING PLUS 2 INCHES.
M. CORING OR CUTTING CONCRETE SHALL NOT BE PERMITTED UNLESS APPROVED BY THE SER.
N. REINFORCEMENT SHALL BE SUPPORTED IN ITS SPECIFIED AND PROPER POSITION BY USE OF BRICKS, WIRES, OR CHAIRS. SUCH DEVICES SHALL BE SUFFICIENTLY STRONG AND PROPERLY PLACED AT FREQUENT INTERVALS SO AS TO MAINTAIN THE COVER BETWEEN THE REINFORCING AND THE SURFACE OF THE CONCRETE. THE REINFORCEMENT SHALL BE PLACED AS SHOWN ON THE PLANS WITHIN ±1/4". PLATFORMS FOR THE SUPPORT OF WORKERS AND EQUIPMENT DURING CONCRETE PLACEMENT SHALL BE SUPPORTED DIRECTLY ON THE GRADE AND NOT ON THE REINFORCING STEEL.
O. FIELD BENDING OF REINFORCING BARS IS NOT PERMITTED.
P. UNLESS SPECIFICALLY NOTED ON THE DRAWINGS, CONTROL JOINTS ARE NOT REQUIRED FOR ELEVATED SLABS ON METAL DECK AND ELEVATED CONCRETE SLABS.
Q. WET STICKING (MUCKING IN) OF REINFORCEMENT IS NOT ACCEPTABLE AND SHALL BE CAUSE FOR REJECTION REQUIRING REPLACEMENT OF WORK.
R. ADDITIONAL CONCRETE TYPICAL DETAILS, SECTIONS, AND REQUIREMENTS ARE LOCATED ON DRAWINGS S3.0 AND S3.1.

4. MASONRY

A. MASONRY CONSTRUCTION SHALL CONFORM TO TMS 602-16 "SPECIFICATION FOR MASONRY STRUCTURES AND COMMENTARY". CONTRACTOR SHALL MAINTAIN A COPY OF THIS REFERENCED SPECIFICATION ON SITE DURING CONSTRUCTION OF ALL MASONRY WALLS.
B. ALL MASONRY JOINTS SHALL HAVE CONCAVE JOINTS.
C. TRUSS OR LADDER TYPE REINFORCEMENT SHALL BE PLACED IN HORIZONTAL MORTAR JOINTS AT 16" O.C. VERTICAL SPACING, AND AT TOP AND BOTTOM OF WALL OPENINGS (EXTEND 2 FEET PAST OPENING).
D. COORDINATE REQUIRED OPENINGS WITH ALL TRADES AND PROVIDE MASONRY LINTELS FOR ALL OPENING GREATER THAN 1'-0" IN ACCORDANCE WITH THE LINTEL SCHEDULES.
E. VERTICAL CONTROL JOINTS IN CMU WALLS SHALL BE LOCATED AT MAX. SPACING OF 20'-0" PROVIDED THAT THE LENGTH TO HEIGHT RATIO OF WALL BETWEEN ADJACENT JOINTS DOES NOT EXCEED 1.5. IN ADDITION, CONTROL JOINTS SHALL BE LOCATED AT THE FOLLOWING LOCATIONS: CHANGES IN WALL THICKNESS, ABOVE CONTROL JOINTS IN FOUNDATION OR CONCRETE WALLS, AND AT LOCATIONS AS SHOWN ON ARCHITECTURAL DRAWINGS.
F. ALL GROUTING TO BE PLACED USING LOW LIFT METHOD. MAXIMUM HEIGHT OF LIFT SHALL BE 5 FEET.
G. ALL WALLS SHALL BE REINFORCED WITH #4 BARS SPACED AT 48" U.N.O. REINFORCEMENT SHALL BE PROPERLY EMBED AND TIED OFF INTO THE SLAB OR FOUNDATION PRIOR TO CONCRETE PLACEMENT. CONTRACTOR MAY PLACE REINFORCEMENT AFTER THE CONCRETE HAS BEEN POURED BY FIELD DRILLING HOLES AND EPOXY EMBEDDING THE REINFORCEMENT. MINIMUM DEPTH OF EPOXY EMBEDMENT SHALL BE EQUAL TO THE BAR DEVELOPMENT LENGTH INTO CONCRETE.
H. REINFORCEMENT SHALL BE PROPERLY POSITIONED AND TIED OFF WITHIN MASONRY PRIOR TO GROUTING AND SHALL HAVE THE DEVELOPMENT AND LAP LENGTH INDICATED ON DETAIL 1/S4.0
I. WET STICKING (MUCKING IN) OF REINFORCEMENT IS NOT ACCEPTABLE AND SHALL BE CAUSE FOR REJECTION.
J. IN LIEU OF LAP SPLICING REINFORCEMENT, CONTRACTOR MAY USE MECHANICAL SPLICES IN ACCORDANCE WITH ACI 530. MECHANICAL SPLICES MUST BE USED FOR ALL BARS #9 OR LARGER.
K. CMU BOND BEAMS SHALL BE PLACED AS INDICATED IN THE DRAWINGS. IN ADDITION THEY SHALL BE LOCATED AT THE TOP OF ALL WALLS, AT A MAXIMUM VERTICAL SPACING OF 8'-0" AND AT THE BOTTOM OF WALLS SUPPORTED BY ELEVATED SLABS.
L. REINFORCEMENT SHALL BE GROUTED WITHIN MASONRY AND SHALL BE DETAILED TO HAVE THE DEVELOPMENT AND LAP LENGTH INDICATED IN THE CMU REINFORCEMENT LAP AND DEVELOPMENT LENGTH SCHEDULE.
M. ADDITIONAL CONCRETE MASONRY UNIT TYPICAL DETAILS, SECTIONS AND REQUIREMENTS ARE LOCATED ON DRAWINGS S4.0 AND S4.1.

5. STRUCTURAL AND MISCELLANEOUS STEEL

A. THE STRUCTURAL STEEL FOR THIS STRUCTURE AS SHOWN ON THE STRUCTURAL DOCUMENTS WITH ALL RELATED DETAILS ARE NON-SELF SUPPORTING AS DEFINED BY THE A.I.S.C. CODE OF STANDARD PRACTICE AND REMAIN SO UNTIL ALL OF THE STRUCTURAL ELEMENTS, INCLUDING ANY PRECAST WALLS, MASONRY WALLS, CONCRETE FLOORS AND SLABS-ON-GRADE ARE IN PLACE AND FULLY CONNECTED AS INDICATED IN THESE DOCUMENTS. THE STRUCTURE IS LATERALLY UNSTABLE UNTIL ALL ELEMENTS ARE IN PLACE, HAVE ATTAINED DESIGN STRENGTH, AND ARE FULLY SECURED TO THE BUILDING, INCLUDING COMPLETION OF FLOOR AND ROOF CONSTRUCTION. ADEQUATE TEMPORARY BRACING IS THE RESPONSIBILITY OF THE CONTRACTOR, AND CONTRACTOR SHALL SEQUENCE CONSTRUCTION OPERATIONS AS REQUIRED, UNTIL THE PERMANENT SYSTEMS ARE EFFECTIVE.
B. AT ALL STEEL BEAMS SUPPORTING MASONRY WALLS, PROVIDE STUD 1/2" DIA. X 6" LONG HEADED STUDS SPACED AT 16" O.C. WELD TO STEEL BEAM.
C. ALL EXTERIOR STEEL SHALL BE HOT-DIP GALVANIZED AND PAINTED. REPAIR ANY DAMAGE TO THESE COATINGS THAT MAY OCCUR DURING CONSTRUCTION ACTIVITIES.
D. WELD CERTIFICATES FOR REQUIRED WELD POSITIONS SHALL BE SUBMITTED AND APPROVED PRIOR TO ANY STEEL BEING ERECTED.
E. INDICATED CAMBER IS IN THE UP DIRECTION AND SHALL BE MEASURED AT THE CENTER OF THE BEAM.
F. BEAM CONNECTIONS WHICH ARE NOT DETAILED ON THE DRAWINGS SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER (LICENSED IN THE STATE WHERE PROJECT IS BUILT) FOR THE SERVICE LEVEL BEAM REACTIONS INDICATED ON THE DRAWINGS AND AS FOLLOWS:

1) CONNECTIONS NOT COMPLETELY DETAILED ON THE DRAWINGS INCLUDING MATERIAL AND SIZES, WELD SIZES AND NUMBER OF BOLTS SHALL BE DESIGNED AND DETAILED IN SHOP DRAWINGS BY THE CONTRACTOR PER THE SPECIFICATIONS.
2) REACTIONS SHOWN ARE SERVICE LEVEL LOAD REACTIONS AND SHALL BE DESIGNED IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION ALLOWABLE STRESS DESIGN.
3) BEAM WEB SHEAR CONNECTIONS SHALL TYPICALLY BE DOUBLE ANGLES, 1/4 INCH MINIMUM THICKNESS, UNLESS DETAILED OTHERWISE, OR WHERE OTHERWISE PERMITTED BY TYPICAL STEEL DETAILS.
4) REFERENCE TYPICAL STEEL DETAILS ON SHEETS S5.0 AND S5.1.

G. PROVIDE FOR 3 TONS OF STEEL FOR USE AS DIRECTED BY THE SER, TO INCLUDE BUT NOT LIMITED TO WIDE FLANGES, CHANNELS, ANGLES, PIPES, HSS, PLATES AND BARS AS WELL AS ANY AND ALL RELATED BOLTED OR WELDED CONNECTIONS. THIS TONNAGE IS TO INCLUDE ALL REQUIRED DETAILING, FABRICATION, DELIVERY, FINISHES AND ERECTION OF STEEL IN PLACE AS ASSOCIATED WITH DIVISION 05 SPECIFICATIONS. THE DIRECTED USE OF STEEL BY THE SER WILL BE BASED ON THE ERECTED WEIGHT OF THE VARIOUS COMPLETED STEEL COMPONENTS. NO OVERRUN IN SCALE WEIGHTS, EXCESS BOLTS OR SIMILAR ITEMS SUCH AS THE WEIGHT OF ANY PAINT, GALVANIZING OR WELD MATERIAL WILL BE ALLOWED TO BE ADDED TO THE ERECTED WEIGHT. DEDUCTION WILL NOT BE MADE FOR BOLT HOLES IN THE MATERIAL. ALLOWANCE WILL BE MEASURED ON A PER POUND BASIS. UNUSED PORTIONS OF THIS ALLOWANCE WILL NOT BE CREDITED BACK TO THE OWNER.
H. ALL TUBE STEEL, HOLLOW STRUCTURAL STEEL AND PIPE SECTIONS IN EXTERIOR APPLICATIONS SHALL BE DETAILED TO KEEP WATER FROM ENTERING THE CLOSED SECTION.
I. PROVIDE MISCELLANEOUS LOOSE L7X4X3/8(LLH) LINTEL WITH A MINIMUM 8" BEARING AT EACH END ABOVE OPENINGS IN BRICK/STONE FACADE WHERE OTHER SUPPORT IS NOT SHOWN.
J. ANCHOR ROD TEMPLATES:

1) A STEEL TEMPLATE IS RECOMMENDED WHERE MORE THAN 4 ANCHOR RODS ARE REQUIRED.
2) THE BOTTOM OF THE TEMPLATE SHALL MATCH THE FINISHED ELEVATION AT THE TOP OF THE CONCRETE PIER OR FOOTING.
3) THE TEMPLATE SHALL HAVE STANDARD HOLES FOR ANCHOR RODS, AND HAVE ENOUGH OPENINGS TO ALLOW PROPER PLACEMENT AND VIBRATION OF CONCRETE.
4) THE TEMPLATE SHALL BE SECURED IN PLACE BEFORE, DURING AND AFTER THE CONCRETE PLACEMENT BY MEANS THAT WILL NOT ALLOW ANCHOR RODS MISPLACEMENT REQUIRING ANY FIELD MODIFICATIONS.
5) VERIFY EXACT LOCATION OF ANCHOR RODS FOLLOWING INSTALLATION OF FORMWORK, RODS AND REINFORCING. CORRECT ANY DISCREPANCIES PRIOR TO AND IMMEDIATELY AFTER PLACEMENT OF CONCRETE.

K. SHIM BETWEEN PARALLEL ROOF BEAMS AND JOISTS WITH DIFFERENTIAL MILL AND INDUCED CAMBERS FOR LEVEL DECK BEARING.
L. INSTALLATION HOLES SHALL BE SEALED WITH A CLOSURE PLATE 2 GAUGES THICKER THAN DECK AND MECHANICALLY FASTENED TO DECK. STEEL DECK HOLES VISIBLE FROM BELOW WILL BE REJECTED.
M. DECK UNITS THAT ARE BENT, WARPED, OR DAMAGED IN ANY WAY WHICH WOULD IMPAIR THE STRENGTH AND OR APPEARANCE OF THE DECK SHALL BE REJECTED AND REMOVED.
N. SUPPLY POUR STOPS DESIGNED TO MEET, OR EXCEED THE GAUGES LISTED IN THE SDI POUR STOP SELECTION TABLE (MIN 18 GA.) AS REQUIRED FOR SLAB DEPTH, CONCRETE WEIGHT AND CANTILEVER DISTANCE, U.N.O.
O. COLD FORMED STEEL:

1) THE MINIMUM YIELD STRENGTH OF MEMBERS SHALL BE AS FOLLOWS:

A) 54 MILS (16 GA.), AND THICKER FY = 50KSI ASTM A653
B) 43 MILS (18 GA.), AND THINNER FY = 33KSI ASTM A653

2) PROVIDE MEANS TO KEEP DISSIMILAR METALS FROM COMING INTO CONTACT WITH COLD FORM STEEL MEMBERS (I.E. BRASS, COPPER, ETC.).
3) FABRICATE COLD FORMED STEEL FRAMING AND ACCESSORIES PLUMB, SQUARE AND TRUE TO LINE WITH CONNECTIONS SECURELY FASTENED ACCORDING TO REFERENCED AISI SPECIFICATIONS, STANDARDS AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
4) PROVIDE COLD-FORMED METAL FRAMING WITH A MINIMUM MATERIAL THICKNESS AS FOLLOWS:

A) 68 MILS (14 GA.) - LINTELS, BEAMS, COLUMN STUDS, SHEAR WALL END POSTS
B) 54 MILS (16 GA.) - BEARING WALLS, TRACK RUNNERS AND FRAMING AROUND ALL OPENINGS
C) 43 MILS (18 GA.) - NON-BEARING PARTITIONS (EXTERIOR)

5) WHERE MEMBER SIZES ARE GIVEN THEY SHALL BE NOMINAL UNLESS SPECIFICALLY DESIGNATED AS ACTUAL DIMENSIONS.
6) FRAMING DEFLECTION LIMITS SHALL BE AS FOLLOWS FOR TOTAL LOAD:

A) WALL STUD FRAMING BEHIND BRICK - L/600
B) MISCELLANEOUS FRAMING - L/360

7) ALL COLD-FORMED STEEL FRAMING SIZES, GAGES AND CONNECTION DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS SHALL BE CONSIDERED THE MINIMUM ALLOWED. THE CONTRACTOR SHALL CONSTRUCT AND ASSURE THE PROPER PERFORMANCE OF THE COMPLETED COLD-FORMED STEEL FRAMING ASSEMBLY.
8) ALL COLD-FORMED METAL FRAMING LOADS SHALL BE DETERMINED BY THE COLD-FORMED METAL DESIGNER AS DETERMINED BY THE DESIGN DATA PROVIDED IN THE CONTRACT DOCUMENTS. COLD-FORMED METAL CONTRACTOR SHALL PROVIDE A COMPLETE GRAVITY AND LATERAL SYSTEM CONFORMING TO THE REQUIREMENTS OF THE OBC, SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS TO BE BUILT.

P. ADDITIONAL STEEL TYPICAL DETAILS, SECTIONS, AND REQUIREMENTS ARE LOCATED ON DRAWINGS S5.0 AND S5.1.

6. POST-INSTALLED ANCHORS

A. UNLESS NOTED OTHERWISE, POST-INSTALLED ANCHORS AND DOWELS SHALL BE INSTALLED WITH A TWO PART CHEMICAL ANCHORING SYSTEM IN ACCORDANCE WITH AN APPROVED MATERIAL TESTING AND INSTALLATION REPORT. PROVIDE BASIS OF DESIGN PRODUCT INDICATED BELOW OR SER APPROVED EQUAL.

1) ADHESIVE FOR CRACKED AND UNCRACKED CONCRETE

A) HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HIT-Z ROD
B) HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM AND HAS THREADED ROD
C) HILTI HIT-RE 500 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM ANDHAS THREADED ROD

2) STEEL ELEMENTS FOR ADHESIVE SYSTEM

A) HILTI HAS-V 36
B) HILTI HAS-E 55
C) HILTI HAS-B 105
D) HILTI HIT-Z (CAN BE USED WITH HY 200 ONLY)
E) HILTI HAS-R 304
F) HILTI HAS-R 316

3) ADHESIVE ANCHORAGE FOR REBAR DOWELING INTO CRACKED AND UNCRACKED CONCRETE

A) HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM SYSTEM
B) HILTI HIT-RE 500 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM SYSTEM

4) ADHESIVE ANCHORS FOR SOLID-GROUTED MASONRY

A) HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM AND HAS-E 55 THREADED ROD OR REBAR

5) ADHESIVE ANCHORS FOR HOLLOW/MULTI-WYTHE MASONRY

A) HILTI HIT-HY 270 SAFE SET SYSTEM WITH WITH HILTI HOLLOW DRILL BIT AND VACUUM AND HAS-E 55 THREADED ROD OR REBAR. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S RECOMMENDATIONS.

B. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY THE ANCHOR MANUFACTURER OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR NON-BASIS OF DESIGN PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
C. USE OF DIAMOND CORE B

A) PLACE AND COMPACT 6" OF DRAINAGE COURSE
B) PLACE VAPOR BARRIER
C) ALL LEVELS SHALL BE COMPACTED TO 100% OF STANDARD PROCTOR ASTM D-698 MAXIMUM DRY DENSITY.

D. THE FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION RECOMMENDATIONS BY DLZ OHIO, INC. DATED AUGUST 31, 2026.
E. CONSTRUCTION JOINTS IN STRIP FOOTINGS AND WALLS MAY BE LOCATED AT THE DISCRETION OF THE CONTRACTOR SUBJECT TO REVIEW BY THE ENGINEER. UNLESS SPECIFICALLY NOTED OTHERWISE REINFORCING SHALL BE CONTINUOUS ACROSS JOINTS. SEE TYPICAL CONCRETE WALL AND FOOTING CONSTRUCTION JOINT DETAIL 10/S3.0.
F. FOUNDATION PLANS INDICATE THE GENERAL LOCATION OF PENETRATIONS. COORDINATE WITH ALL TRADES FOR THE INSTALLATION OF ALL REQUIRED SLEEVES AND INSERTS.
G. AFTER FOUNDATION CONSTRUCTION IS COMPLETE, PROPERLY PLACE AND COMPACT BACKFILL MATERIAL. WALLS BACKFILLED ON BOTH SIDES SHALL HAVE BACKFILL PLACED AGAINST BOTH FACES SIMULTANEOUSLY. WALLS BACKFILLED ON ONE SIDE ONLY SHALL BE BRACED (TEMPORARY BY CONTRACTOR OR BY FINAL CONSTRUCTION) SO THAT BACKFILL CAN BE PROPERLY PLACED AND COMPACTED WITHOUT DISPLACEMENT OF WALLS.
H. FOR BELOW GRADE WALLS PLAN AREA OF EXCAVATION SHOULD EXTEND OUTWARD FROM THE OUTSIDE EDGE OF THE STRUCTURES FOUNDATION A DISTANCE EQUAL TO THE DEPTH OF EXCAVATION (INCLUDING OVER EXCAVATION IF APPLICABLE) PLUS 3 FEET. THE SIDE OF THE EXCAVATION SHOULD BE SLOPED OR BRACED AS REQUIRED PER LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
I. PLACE AND COMPACT SOIL ADJACENT TO BELOW GRADE WALLS AND FOUNDATIONS IN 8 INCH LOOSE LIFTS AND COMPACT TO 100% OF STANDARD PROCTOR ASTM D-698 MAXIMUM DRY DENSITY.
J. AT ALL DOORS DEPRESS FOUNDATION WALLS 8 INCHES BELOW TOP OF SLABS, U.N.O.
K. PROVIDE EITHER ROUGHENED SURFACE OR 3 1/2"X1 1/2" KEYWAY AT HORIZONTAL CONSTRUCTION JOINTS, I.E. BETWEEN FOOTING AND FOUNDATION WALL, FOOTING AND PIER OR SIMILAR LOCATIONS, AT THE CONTRACTOR'S OPTION.
L. TRAPPED/PERCHED WATER IS ANTICIPATED WITHIN THE LIMITS OF EXCAVATION. CONTRACTOR TO ACCOUNT AND MAKE PROVISIONS FOR PROPER SITE DEWATERING TO FACILITATE EXCAVATION AND FOUNDATION CONSTRUCTION.

8. SPECIALTY STRUCTURAL ENGINEERING

A. THE SPECIALTY STRUCTURAL ENGINEER (SSE) IS DEFINED AS A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS TO BE BUILT, WHO IS NOT THE STRUCTURAL ENGINEER OF RECORD (SER), WHO PERFORMS DELEGATED DESIGN FUNCTIONS NECESSARY FOR THE SPECIALTY SYSTEM COMPONENTS OF THE STRUCTURE TO BE COMPLETED, AND WHO HAS SHOWN EXPERIENCE AND/OR TRAINING IN THE SPECIFIC SPECIALTY.
B. THE SSE AND CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS TO DETERMINE THE APPROPRIATE SCOPE OF ENGINEERING.
C. THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO PROVIDE SUFFICIENT INFORMATION FOR THE SSE TO PERFORM THE ANALYSIS, DESIGN, AND ASSEMBLY OF SHOP DRAWINGS. IN THE EVENT THE SSE DETERMINES THERE IS INSUFFICIENT INFORMATION PROVIDED IN CONTRACT DOCUMENTS, THE SSE SHALL, IN A TIMELY MANNER, CONTACT THE SER IN WRITING FOR CLARIFICATION. THE CONTRACTOR AND SSE SHALL PROVIDE A COMPLETE SYSTEM.
D. ALL DOCUMENTS PREPARED BY THE SSE SHALL BE SIGNED AND SEALED BY A REGISTERED DESIGN PROFESSIONAL.
E. EXAMPLES OF COMPONENTS REQUIRING SSE INCLUDE, BUT ARE NOT LIMITED TO:

1) TEMPORARY EXCAVATION SUPPORT;
2) SHORING AND BRACING SYSTEMS;
3) STRUCTURAL STEEL CONNECTIONS;
4) STEEL JOISTS;
5) COLD-FORMED STEEL FRAMING;
6) SKYLIGHTS.

F. WHEN MODIFICATIONS ARE PROPOSED TO COMPONENTS UNDER THE DESIGN AND CERTIFICATION OF AN SSE, WRITTEN AUTHORIZATION BY THE SSE MUST BE OBTAINED AND SUBMITTED TO THE SER FOR REVIEW, PRIOR TO PERFORMING THE PROPOSED MODIFICATION.
G. ALL SUBMITTALS GENERATED BY THE DESIGN OF THE SSE MUST BE REVIEWED AND APPROVED BY THE SSE PRIOR TO LIMITED CURSORY REVIEW BY THE SER. SUBMITTALS RECEIVED WITHOUT THE APPROVAL OF THE SSE WILL BE REJECTED WITHOUT FURTHER REVIEW. SER WILL REVIEW DESIGN CRITERIA FOR LOADS IMPOSED ON THE PRIMARY STRUCTURE AND FOR CONFORMANCE TO THE SPECIFIED PROJECT DESIGN CRITERIA.
H. THE CONTRACT DOCUMENTS ONLY DISPLAY THE DESIGN INTENT OF THE SPECIALTY SYSTEM COMPONENTS. FINAL ANALYSIS, DESIGN, AND ASSEMBLY OF SHOP DRAWINGS IS THE RESPONSIBILITY OF THE SSE. THE SSE IS FULLY RESPONSIBLE FOR CODE CONFORMANCE FOR ALL INDIVIDUAL PARTS AND INTERNAL CONNECTIONS OF THE SPECIFIED COMPONENT.
I. THE SSE SHALL SUBMIT CALCULATIONS AND SUPPORT REACTIONS FOR THEIR SYSTEM 15 DAYS (MIN.) PRIOR TO THE REVIEW OF ANY SHOP DRAWINGS FOR THE DEPENDENT SYSTEMS. THE SHOP DRAWINGS FOR THE DEPENDENT SYSTEMS WILL NOT BE REVIEWED UNTIL THE SSE APPROVED, SIGNED, AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR THE SPECIALTY SYSTEM(S) HAVE BEEN SUBMITTED AND REVIEWED. COSTS FOR ANY CHANGES RELATED TO THE CALCULATIONS AND SHOP DRAWINGS SUBMITTED BY THE SSE SHALL BE BORNE BY THE CONTRACTOR.
J. SHOP DRAWINGS SHALL INDICATE MAGNITUDE AND DIRECTION OF ALL LOADS IMPOSED ON PRIMARY AND SECONDARY STRUCTURAL ELEMENTS ALONG WITH STRUCTURAL DEFLECTIONS THE COMPONENTS ARE ABLE TO ACCOMMODATE.
K. CALCULATIONS SUBMITTED SHALL CLEARLY CROSS REFERENCE THE SHOP DRAWINGS WITH SPECIFIC DETAIL REFERENCES.

9. STRUCTURAL INSPECTIONS AND TESTING

A. STRUCTURAL INSPECTIONS AND TESTING FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH CHAPTER 17 OF THE 2024 OBC AND THE SPECIFIC MATERIAL SPECIFICATIONS.
B. THE CONTRACTOR SHALL ENGAGE AN INDEPENDENT TESTING FIRM (ITF) TO CONDUCT INSPECTIONS AND TESTING AS REQUIRED BY THE OBC AND THESE DOCUMENTS. THE ITF SHALL PERFORM THEIR DUTIES INDEPENDENT FROM THE CONSTRUCTION QUALITY CONTROL STAFF EMPLOYED BY THE CONTRACTOR.
C. THE CONTRACTOR SHALL SUBMIT QUALIFICATIONS OF THE ITF AND VARIOUS AGENTS CONTRACTED ON THE ITF'S BEHALF TO THE OWNER, CONSTRUCTION MANAGER, LOCAL BUILDING OFFICIAL AND SER PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
D. ITF SHALL DOCUMENT AND KEEP RECORDS OF ALL INSPECTIONS. FOR SAMPLE FORMS AND EXAMPLES SHOWING THE MINIMUM REQUIRED INFORMATION TO BE SUBMITTED WITH THE INSPECTIONS AND TESTS REFER TO INTERNATIONAL CODE COUNCIL SPECIAL INSPECTION MANUAL 2024 EDITION. FORMS NOTED IN APPENDIX B OF THE MANUAL CAN BE FOUND AT HTTPS://WWW.ICCSAFE.ORG/CONTENT/SPECIAL-INSPECTION-MANUAL/.
E. DEFINITIONS:

1) CONTINUOUS INSPECTIONS: CONTINUOUS INSPECTIONS ARE THE FULL TIME OBSERVATION OF THE WORK BY THE ITF, OR THEIR AGENT, PRESENT IN THE WORK AREA WHILE WORK IS BEING PERFORMED.
2) PERIODIC INSPECTIONS: PERIODIC INSPECTIONS ARE THE INTERMITTENT OBSERVATION OF THE WORK BY THE ITF, OR THEIR AGENT, PRESENT IN THE WORK AREA WHILE WORK IS BEING PERFORMED. THE INTERMITTENT OBSERVATION PERIODS SHALL BE AT TIMES OF SIGNIFICANT WORK, SHALL BE RECURRENT OVER THE COMPLETE WORK PERIODS, AND SHALL EQUAL AT LEAST 25 PERCENT OF THE TOTAL WORK TIME.

F. THE ITF'S REPORTS SHALL BE SUBMITTED WEEKLY TO THE OWNER, SER AND LOCAL BUILDING OFFICIAL.
G. A FINAL REPORT OF ALL STRUCTURAL INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED INSPECTIONS AND CORRECTION OF DISCREPANCIES NOTED IN THE INSPECTIONS (IF ANY) SHALL BE SUBMITTED BY THE CONTRACTOR TO THE OWNER AND SER PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
H. STEEL CONSTRUCTION:

1) INSPECTIONS SHALL BE IN ACCORDANCE WITH OBC SECTION 1705.2.
2) CONTINUOUS AND PERIODIC INSPECTIONS SHALL BE IN ACCORDANCE WITH OBC TABLE 1705.2.2.
3) INSPECTION OF STRUCTURAL STEEL SEISMIC FORCE RESISTING SYSTEM SHALL BE CONTINUOUS IN ACCORDANCE WITH OBC SECTION 1705.11. THE SEISMIC FORCE RESISTING SYSTEM CONSISTS OF THE ROOF DECK, FLOOR DECK, LATERAL BRACES, MOMENT FRAMES AND THE BEAMS & COLUMNS THE BRACES OR MOMENT FRAMES ARE CONNECTED TO, OR ANY OTHER STEEL LATERAL FORCE RESISTING SYSTEM ELEMENT.
4) ADDITIONAL TESTING REQUIREMENTS OF STEEL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

I. CONCRETE CONSTRUCTION:

1) INSPECTIONS SHALL BE IN ACCORDANCE WITH OBC SECTION 1705.3.
INSPECT MATERIALS, INSTALLATION OF FORM WORK, REINFORCING STEEL AND CONCRETE OPERATIONS
2) INSPECT FOR PROPER MIX USE, PLACEMENT AND APPLICATION TECHNIQUES AND FOR SPECIFIED CURING, TEMPERATURES AND TECHNIQUES.
3) CONTINUOUS AND PERIODIC INSPECTIONS SHALL BE IN ACCORDANCE WITH OBC TABLE 1705.3.
4) ADDITIONAL TESTING REQUIREMENTS OF CONCRETE MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

J. MASONRY CONSTRUCTION:

1) CONTINUOUS AND PERIODIC INSPECTIONS SHALL CONFORM TO LEVEL B QUALITY ASSURANCE IN ACCORDANCE WITH TMS SPECIFICATION SECTION 1.6.
2) ADDITIONAL TESTING REQUIREMENTS OF MASONRY MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

K. SOILS:

1) INSPECTION OF SOILS SHALL BE IN ACCORDANCE WITH OBC SECTION 1705.6.
2) ADDITIONAL TESTING REQUIREMENTS OF SOILS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND REPORT OF GEOTECHNICAL EXPLORATION.

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ADD.	ADDENDUM	LLH	LONG LEG HORIZONTAL
ADDL	ADDITIONAL	LLV	LONG LEG VERTICAL
ADJ	ADJACENT	LONG	LONGITUDINAL
AFF	ABOVE FINISHED FLOOR	LP	LOW POINT
AFG	ABOVE FINISHED GRADE	LT	LEFT
AGGR.	AGGREGATE	LWC	LIGHT WEIGHT CONCRETE
ALT.	ALTERNATE	LWT	LIGHTWEIGHT
APPROX.	APPROXIMATE	M	MOMENT
ARCH	ARCHITECT OR ARCHITECHTURAL	MATL	MATERIAL
B.B.	BOND BEAM	MAX.	MAXIMUM
B.P.	BASE PLATE	MC	MOMENT CONNECTION(S)
B/B	BACK TO BACK	MECH.	MECHANICAL
BLDG	BUILDING	MEZZ.	MEZZANINE
BLK	BLOCK	MFGR	MANUFACTURER
BLKG	BLOCKING	MID	MIDDLE
BM	BEAM	MIN.	MINIMUM
BOT OR B/	BOTTOM	MISC.	MISCELLANEOUS
BRDG	BRIDGING	N	NORTH
BRG.	BEARING	N.T.S.	NOT TO SCALE
BTWN	BETWEEN	NA OR N/A	NOT APPLICABLE
C	COMPRESSION	NIC	NOT IN CONTRACT
CIP	CAST-IN-PLACE	NO	NUMBER
CJ	CONTROL JOINT/ CONSTRUCTION JOINT	NOM	NOMINAL
CL	CONSTRUCTION LINE/ CENTER LINE	NS	NEAR SIDE
CLR.	CLEAR	NWC	NORMAL WEIGHT CONCRETE
CMU	CONCRETE MASONRY UNIT	NWT	NORMAL WEIGHT
COL.	COLUMN	O.C.	ON CENTER
COMP	COMPRESSION	O.D.	OUTSIDE DIAMETER
CONC.	CONCRETE	O.F.	OUTSIDE FACE
CONN	CONNECTION	O.H.	OPPOSITE HAND
CONST.	CONSTRUCTION	OPNG.	OPENING
CONT	CONTINUOUS	OPP.	OPPOSITE
COORD.	COORDINATE	PC	PIECE
CTR	CENTER OR CENTERING	PCY	POUNDS PER CUBIC YARD
DBL	DOUBLE	PERP.	PERPENDICULAR
DET.	DETAIL	PJF	PREMOLDED JOINT FILLER
DEV.	DEVELOPMENT	PL	PLATE
DIA.	DIAMETER	PLF	POUNDS PER LINEAR FOOT
DIAG	DIAGONAL	PRCST	PRECAST
DIM(S)	DIMENSION(S)	PRLL	PARALLEL
DL	DEAD LOAD	PROJ.	PROJECT
DWG.	DRAWING	PSF	POUNDS PER SQUARE FOOT
DWLS.	DOWELS	PSI	POUNDS PER SQUARE INCH
E	EAST	PT	POINT
E.F.	EACH FACE	QTY.	QUANTITY
E.O.D.	EDGE OF DECK	RAD.	RADIUS
E.S.	EACH SIDE	RD	ROOF DRAIN
E.W.	EACH WAY	REF	REFERENCE
EA	EACH	REINF.	REINFORCING
ECC	ECCENTRICITY	REQ'D.	REQUIRED
EL.	ELEVATION	RT	RIGHT
ELEC	ELECTRICAL	S	SOUTH
ENGR	ENGINEER	SCHED.	SCHEDULE
EQ.	EQUAL	SDL	SUPERIMPOSED DEAD LOAD
EQUIP	EQUIPMENT	SECT.	SECTION
ETC.	ETCETERA	SER	STRUCTURAL ENGINEER OF RECORD
EXIST.	EXISTING	SF	SQUARE FOOT (FEET)
EXP.	EXPANSION	SHT	SHEET
EXT	EXTERIOR	SIM.	SIMILAR
F.V.	FIELD VERIFY	SOG	SLAB ON GRADE
F/F	FACE TO FACE	SPA.	SPACING
FD	FLOOR DRAIN	SPEC(S)	SPECIFICATION(S)
FDN.	FOUNDATION	SQ.	SQUARE
FIN	FINISH(ED)	STD.	STANDARD
FL	FLOOR	STL.	STEEL
FP	FIREPROOF(ING)	STR	STRUCTURE
FRT	FIRE RESISTANT TIMBER	STRUCT.	STRUCTURAL
FS	FAR SIDE	SUPPTS	SUPPORT(S)
FT.	FOOT - FEET	SYM	SYMMETRICAL
FTG.	FOOTING	T	TENSION
GA.	GAUGE	T & B	TOP AND BOTTOM
GALV.	GALVANIZED	T.O.S.	TOP OF STEEL
GEN	GENERAL	T/	TOP OF
GR	GRADE	T/FTG	TOP OF FOOTING
HK	HOOK	T/SLAB	TOP OF SLAB
HORIZ.	HORIZONTAL	TD	TRENCH DRAIN
HP	HIGH POINT	TEMP	TEMPERATURE
HT	HEIGHT	TH	THICK OR THICKNESS
HWS	HEADED WELDED STUD	THRU	THROUGH
ID	INSIDE DIAMETER	TYP.	TYPICAL
IF	INSIDE FACE	U.N.O.	UNLESS NOTED OTHERWISE
IN.	INCH	VERT.	VERTICAL
INFO	INFORMATION	VIF	VERIFY IN FIELD
INT	INTERIOR	W	WEST
INTRM	INTERMEDIATE	W/	WITH
JST(S)	JOIST(S)	W/O	WITHOUT
JT.	JOINT	WD	WOOD
KIP	1,000 POUNDS	WP	WORK POINT
KLF	KIP PER LINEAR FOOT	WPFG	WATERPROOFING
KSF	KIP PER SQUARE FOOT	WS	WATERSTOP
KSI	KIPS PER SQUARE INCH	WWF	WELDED WIRE FABRIC
LBS.	POUNDS	YD	YARD
LL	LIVE LOAD		

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DLZ ARCHITECTURE, INC.

2026.09.25
ELLIOTT E. GAST
STATE OF OHIO
E-67485
REGISTERED
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ANB | CHK'D: EGA
DESIGNED: ANB
APPRV'D: EGA
DATE: SEPTEMBER 25, 2026

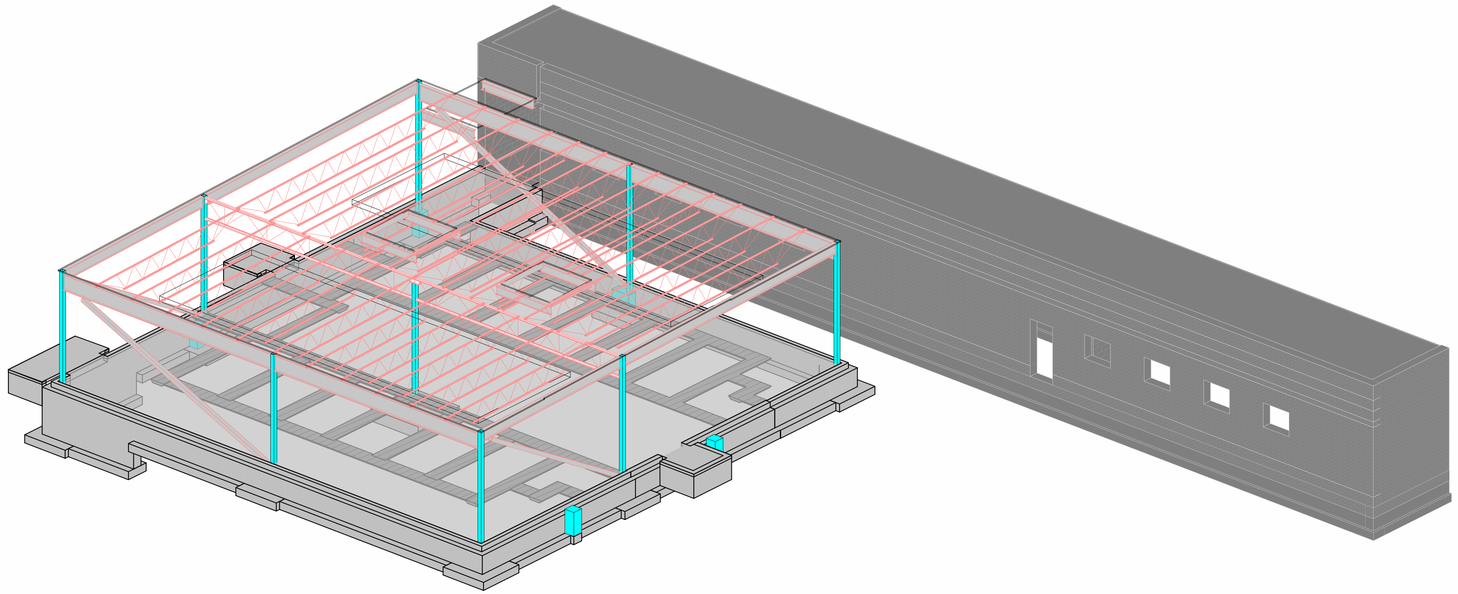
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

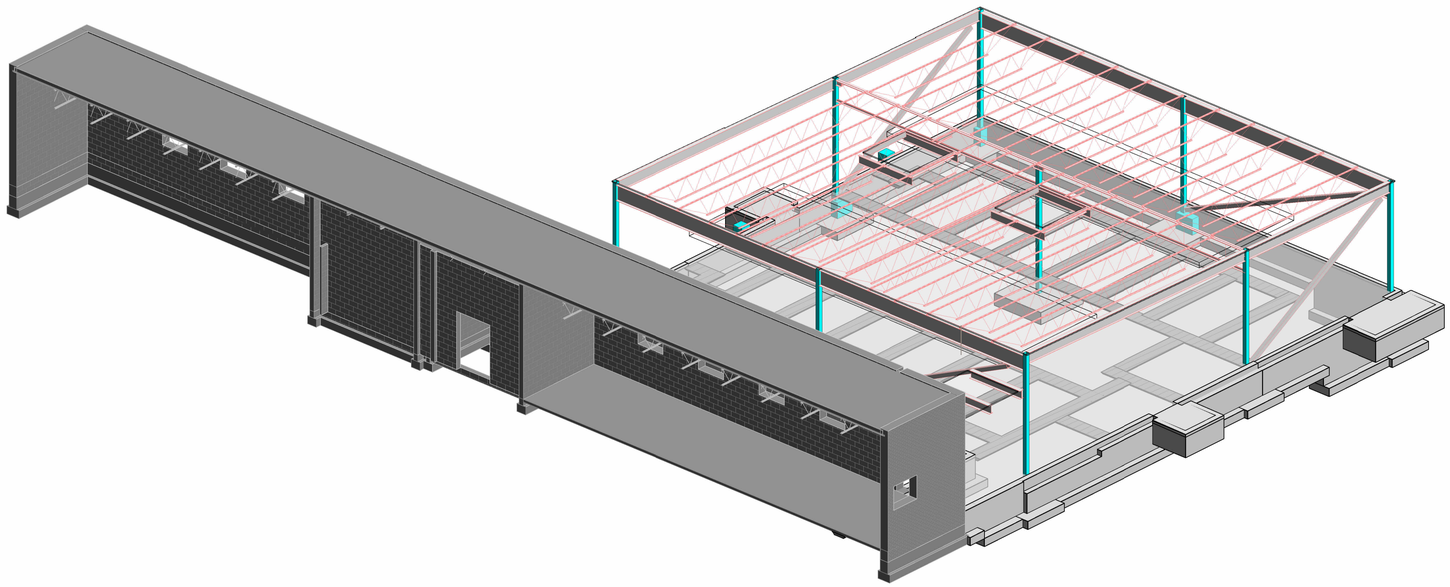
GENERAL NOTES & ABBREVIATIONS - 2

DRAWING NUMBER S0.2
STRUCTURAL

9/25/2026 6:05:03 PM



2 **AXONOMETRIC VIEW LOOKING SOUTHEAST**
SCALE:



1 **AXONOMETRIC VIEW LOOKING NORTHWEST**
SCALE: N.T.S.

AXONOMETRIC NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION S0.1 AND S0.2 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.

B. THE INFORMATION PROVIDED ON THIS AXONOMETRIC IS GENERAL IN SCOPE AND IS NOT INTENDED TO SHOW ALL COMPONENTS OF THE STRUCTURE; HOWEVER, IT IS INTENDED TO PROVIDE GENERAL INFORMATION PERTAINING TO THE BUILDING STRUCTURE.

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DLZ ARCHITECTURE, INC.

2026/09/25
STATE OF OHIO
ELLIOTT
E-41181
REGISTERED
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ANB | CHKD: EGA
DESIGNED: ANB
APPRVD: EGA
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

AXONOMETRIC VIEWS - 1

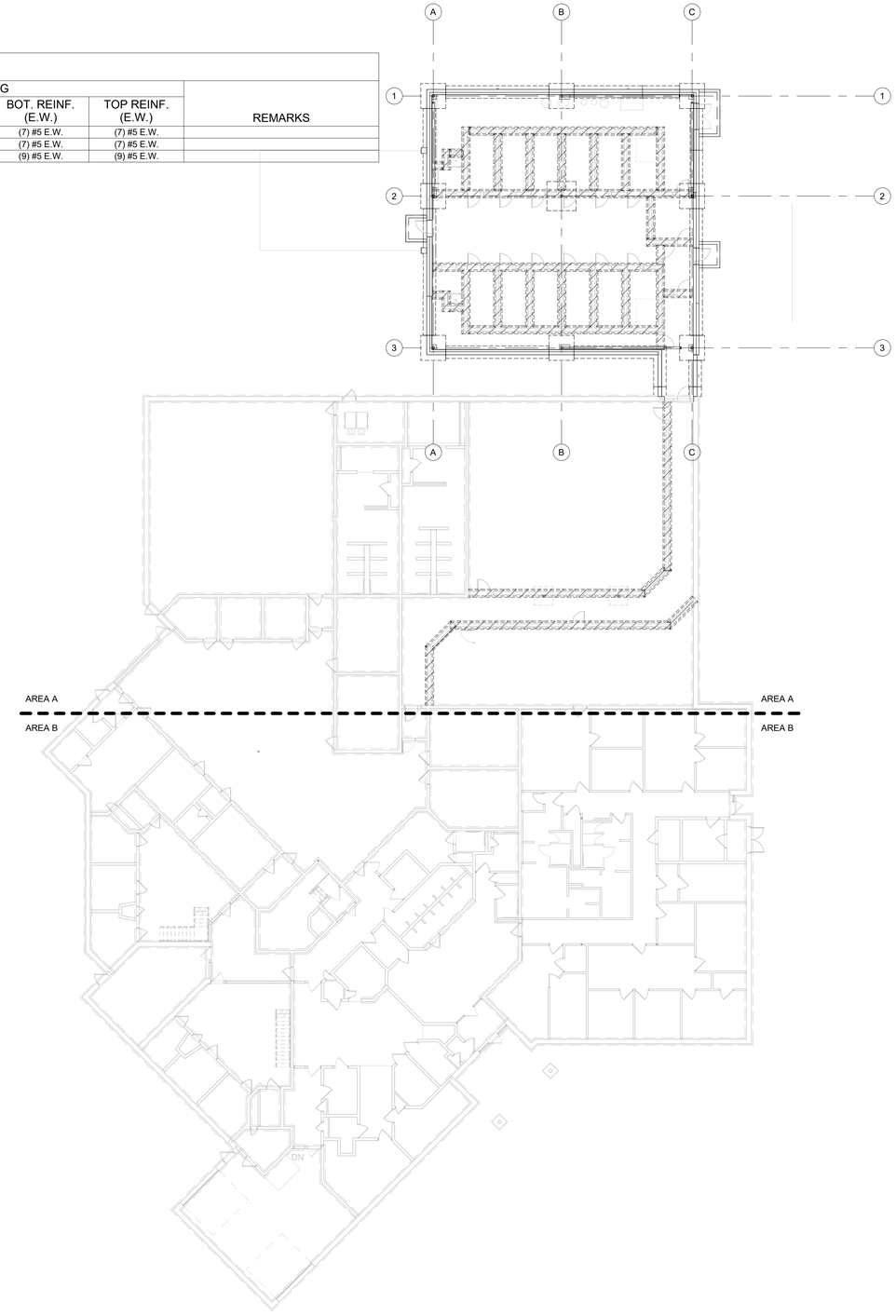
DRAWING NUMBER S0.3

STRUCTURAL

9/25/2026 6:05:10 PM

F# - COLUMN & FOOTING SCHEDULE

MARK (F#)	COLUMN SIZE	ANCHOR ROD			BASE PLATE SIZE	PIER		FOOTING					REMARKS
		NUMBER	DIAMETER	EMBEDMENT LENGTH		SIZE	VERT. REINF.	WIDTH	LENGTH	THICKNESS	BOT. REINF. (E.W.)	TOP REINF. (E.W.)	
F1	HSS6x6x3/8	4	3/4"	13"	12"x12"x1 1/2"	18"X18"	(8) #7	6' - 0"	6' - 0"	1' - 0"	(7) #5 E.W.	(7) #5 E.W.	
F1A	HSS6x6x3/8	4	1"	13"	27"x15"x1 1/4"	30"X18"	(12) #7	6' - 0"	6' - 0"	1' - 0"	(7) #5 E.W.	(7) #5 E.W.	
F2	HSS6x6x3/8	4	3/4"	13"	12"x12"x1 1/2"	-	-	7' - 0"	7' - 0"	1' - 6"	(9) #5 E.W.	(9) #5 E.W.	



1 OVERALL FOUNDATION PLAN
SCALE: 1/16" = 1'-0"

NORTH

PLAN NOTES

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S0.1 AND S0.2 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.

B. TOP OF SLAB-ON-GRADE ELEVATION EQUALS 100'-0", F.V. TO MATCH EXISTING.

C. TOP OF EXTERIOR FOOTING IS 97'-0" U.N.O.

D. TOP OF INTERIOR FOOTING IS 98'-0" U.N.O.

E. SLAB-ON-GRADE SHALL BE 4" THICK U.N.O.

F. TOP OF FOUNDATION WALL IS 100'-0" U.N.O.

G. TOP OF PIER ELEVATION IS 99'-0" U.N.O.

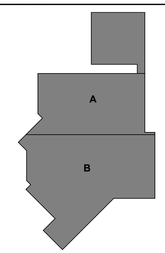
H. TOP OF BRICK LEDGE IS 98'-8" U.N.O.

I. REFERENCE ARCHITECTURAL DRAWINGS FOR SECURITY WALL REINFORCING REQUIREMENTS, WHICH ARE IN ADDITION TO REINFORCEMENT REQUIREMENTS NOTED WITHIN THE CONSTRUCTION DOCUMENTS.

LEGEND

100'-0"	TOP OF FLAT SLAB-ON-GRADE ELEVATION
SLOPE	SLAB-ON-GRADE SLOPE DIRECTION
100'-0"	SLAB ELEVATION ALONG A LINE OR AT A POINT
	FLOOR DRAIN OR FLOOR SINK, SET 1/2" BELOW FFE (MIN.) FINAL ELEVATION TO BE COORDINATED WITH DRAINAGE REQUIREMENTS.
CJ	INDICATES APPROXIMATE LOCATION OF SLAB CONTROL/CONSTRUCTION JOINT.
F#	FOOTING MARK, SEE SCHEDULE ON S1.1.
	THICKENED SLAB UNDER CMU WALL, SEE DETAILS 7/S3.0 AND 8/S3.0.
TD	TRENCH DRAIN, SEE DETAIL 17/S3.0.
	INDICATES LOAD BEARING CONCRETE MASONRY UNIT WALL WITH #5 VERTICAL REINFORCING AT 24" ON CENTER

KEYPLAN



DLZ
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DLZ ARCHITECTURE, INC.

2026/09/25
ELLIOTT E. GAY
STATE OF OHIO
67485
REGISTERED
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ANB
DESIGNED: ANB
CHK'D: EGA
APPRV'D: EGA
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS
101 HOME RD

OVERALL FOUNDATION PLAN

DRAWING NUMBER S1.1 STRUCTURAL

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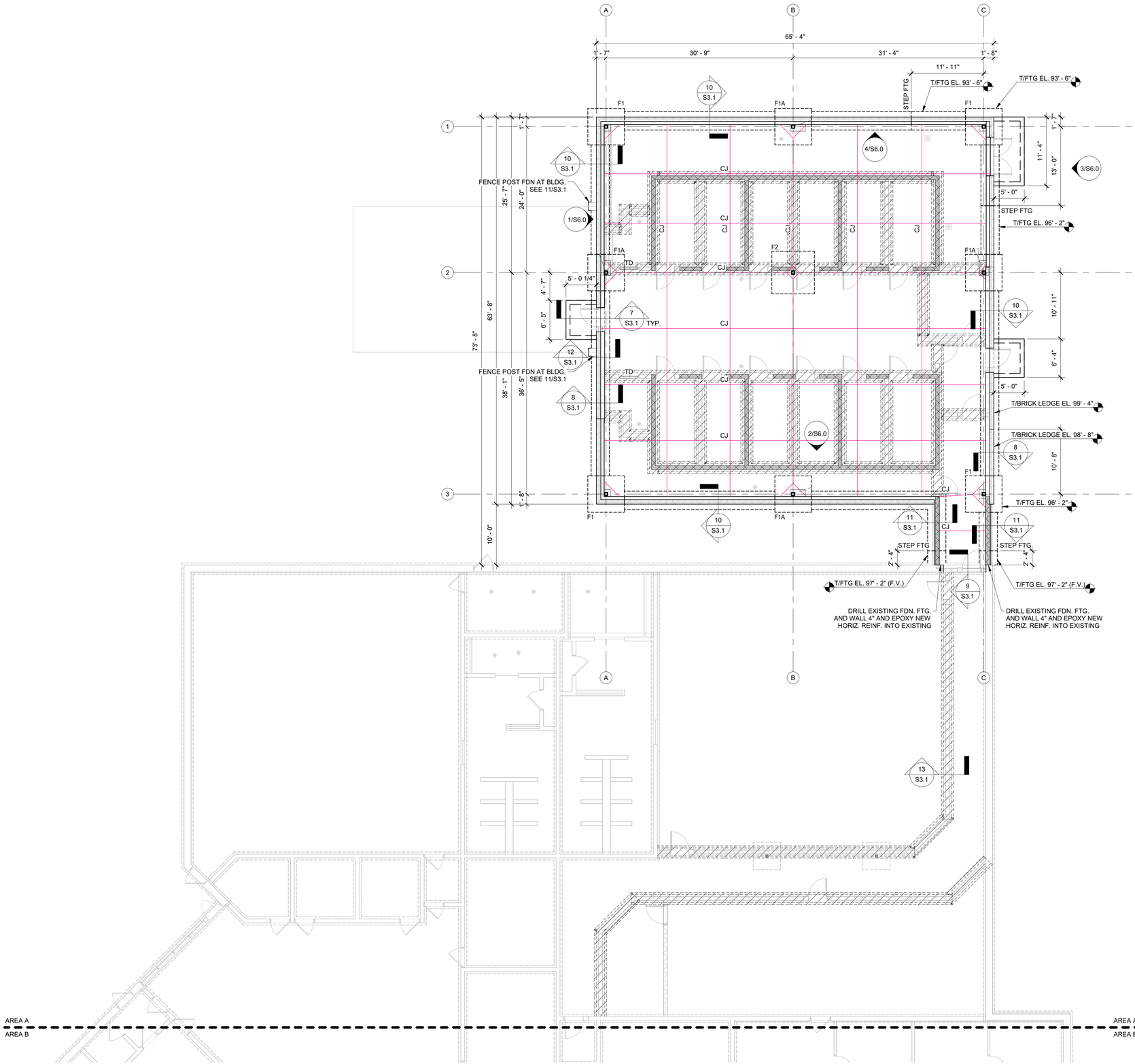


1 **FOUNDATION PLAN - AREA A**
SCALE: 1/8" = 1'-0"

NORTH

9/25/2026 6:05:16 PM

PLAN NOTES

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S0.1 AND S0.2 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.

B. TOP OF SLAB-ON-GRADE ELEVATION EQUALS 100'-0", F.V. TO MATCH EXISTING.

C. TOP OF EXTERIOR FOOTING IS 97'-0" U.N.O.

D. TOP OF INTERIOR FOOTING IS 98'-0" U.N.O.

E. SLAB-ON-GRADE SHALL BE 4" THICK U.N.O.

F. TOP OF FOUNDATION WALL IS 100'-0" U.N.O.

G. TOP OF PIER ELEVATION IS 99'-0" U.N.O.

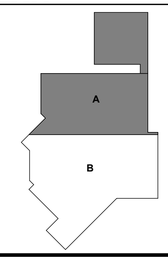
H. TOP OF BRICK LEDGE IS 98'-8" U.N.O.

I. REFERENCE ARCHITECTURAL DRAWINGS FOR SECURITY WALL REINFORCING REQUIREMENTS, WHICH ARE IN ADDITION TO REINFORCEMENT REQUIREMENTS NOTED WITHIN THE CONSTRUCTION DOCUMENTS.

LEGEND

100'-0"	TOP OF FLAT SLAB-ON-GRADE ELEVATION
SLOPE	SLAB-ON-GRADE SLOPE DIRECTION
100'-0"	SLAB ELEVATION ALONG A LINE OR AT A POINT
	FLOOR DRAIN OR FLOOR SINK, SET 1/2" BELOW FFE (MIN.) FINAL ELEVATION TO BE COORDINATED WITH DRAINAGE REQUIREMENTS.
CJ	INDICATES APPROXIMATE LOCATION OF SLAB CONTROL/CONSTRUCTION JOINT.
F#	FOOTING MARK, SEE SCHEDULE ON S1.1.
	THICKENED SLAB UNDER CMU WALL, SEE DETAILS 7/S3.0 AND 8/S3.0.
TD	TRENCH DRAIN, SEE DETAIL 17/S3.0.
	INDICATES LOAD BEARING CONCRETE MASONRY UNIT WALL WITH #5 VERTICAL REINFORCING AT 24" ON CENTER

KEYPLAN



DLZ
Connect. Build. Thrive.
DLZ ARCHITECTURE, INC.

2026/09/25
ELLIOTT A. GUTH
STATE OF OHIO
8-1-1995
REGISTERED ARCHITECT

NO.	REVISION	DATE

DRAWN: ANB
DESIGNED: ANB
APPRVD: EGA
DATE: SEPTEMBER 25, 2026
CHK'D: EGA

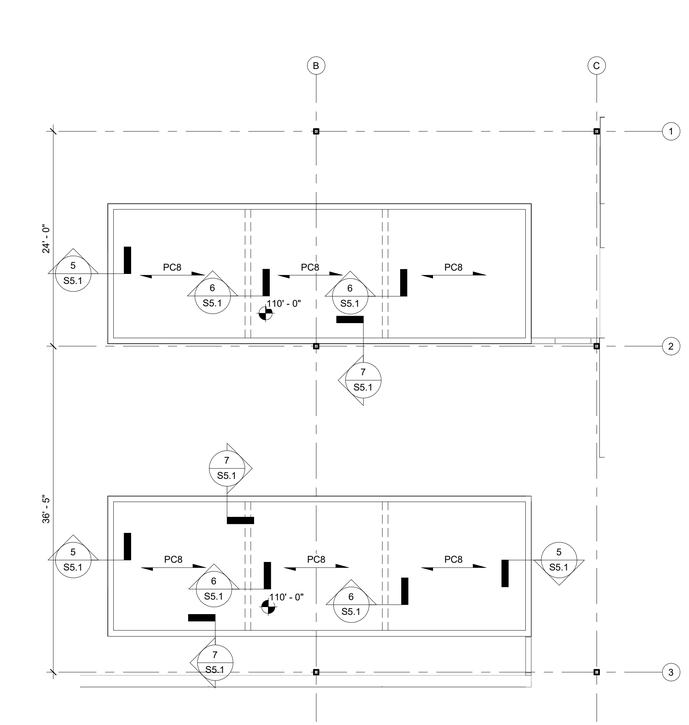
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

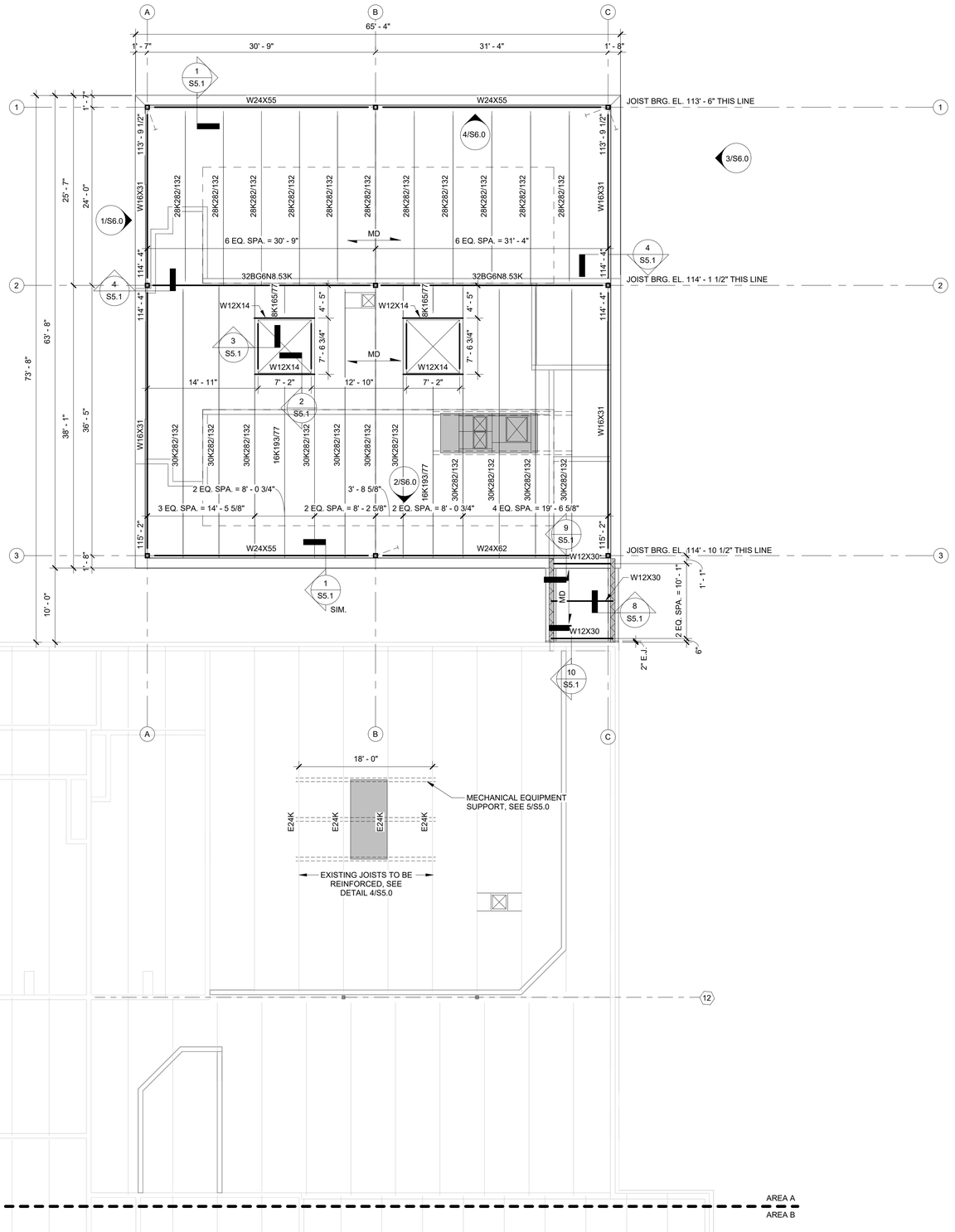
FOUNDATION PLAN - AREA A

DRAWING NUMBER S1.1A

STRUCTURAL



PRECAST HOLLOWCORE INTERSTITIAL FRAMING PLAN
SCALE: 1/8" = 1'-0"
NORTH



AREA A
AREA B
AREA A
AREA B

ROOF FRAMING PLAN - AREA A
SCALE: 1/8" = 1'-0"
NORTH

PLAN NOTES

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S0.1 AND S0.2 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.

B. STEEL JOIST BEARING ELEVATION VARIES, SEE PLAN.

C. PRECAST CONCRETE HOLLOWCORE SLAB BEARING ELEVATION EQUALS 109'-4".

D. REFERENCE ARCHITECTURAL DRAWINGS FOR SECURITY WALL REINFORCING REQUIREMENTS, WHICH ARE IN ADDITION TO REINFORCEMENT REQUIREMENTS NOTED WITHIN THE CONSTRUCTION DOCUMENTS.

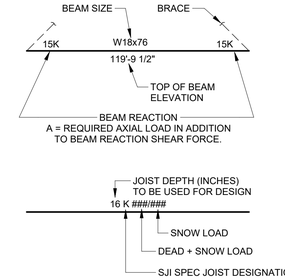
LEGEND:

MD — SPAN OF 1.5B20 WIDE RIB STEEL ROOF DECK WITH #12 TEK SCREW SUPPORT FASTENERS AT 36/4 PATTERN AND (3) #12 TEK SCREW SIDELAP FASTENERS

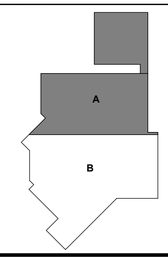
PC8 — INDICATES SPAN OF 8" PRECAST CONCRETE HOLLOWCORE SLAB. DESIGN TO SUPPORT DEAD LOAD OF 15 PSF AND LIVE LOAD OF 40 PSF.

INDICATES OPENING, COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL, MECHANICAL, OR PLUMBING DRAWINGS. PROVIDE DECK PENETRATION SUPPORT PER 6/S5.0

INDICATES 60 PSF DISTRIBUTED DEAD LOAD FROM MECHANICAL EQUIPMENT. COORDINATE EXACT LOCATION WITH EQUIPMENT SUPPLIER.



KEYPLAN



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DLZ ARCHITECTURE, INC.

2026-09-25
ELLIOTT A. GRAY
STATE OF OHIO
REGISTERED ARCHITECT
No. 14895

NO.	REVISION	DATE

DRAWN: ANB | CHK'D: EGA
DESIGNED: ANB
APPRV'D: EGA
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

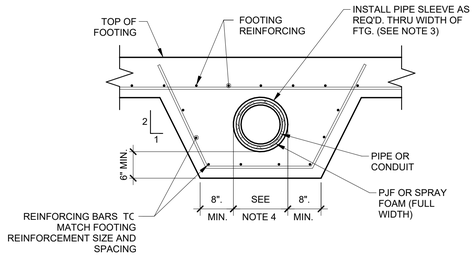
101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

ROOF FRAMING PLAN - AREA A

DRAWING NUMBER S1.2A

STRUCTURAL

9/25/2026 6:05:18 PM

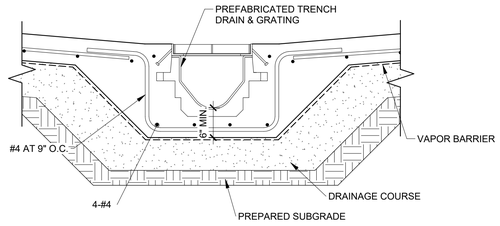


NOTES:

1. SEE MECHANICAL, ELECTRICAL, SECURITY ELECTRONICS AND PLUMBING PLANS FOR PIPE OR CONDUITS LOCATIONS, ELEVATIONS AND SIZE.
2. THIS DETAIL SHALL BE APPLICABLE FOR ALL PIPES PASSING THROUGH FOUNDATION WALLS, FOOTINGS OR WITHIN 2 FOOT OF THE BOTTOM OF THE FOOTING.
3. SIMILAR AT INTERSECTION OF FOUNDATION WALL.
4. ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A PIPE SLEEVE BUILT INTO THE FOUNDATION WALL. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL AND SHALL BE CENTERED ON THE PIPE.

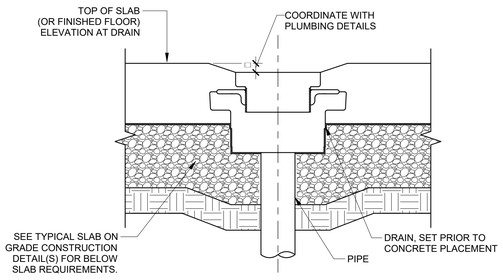
18 INTERSECTION OF UNDERGROUND PIPING WITH FOUNDATION

SCALE: N.T.S.



17 TYPICAL TRENCH DRAIN SECTION

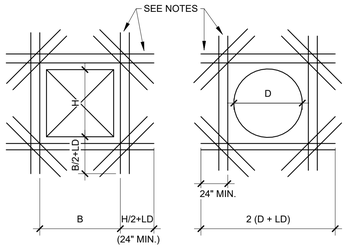
SCALE: N.T.S.



16 TYPICAL FLOOR DRAIN DETAIL

SCALE: N.T.S.

DIAGONAL BAR SCHEDULE (2 E.F.)					
WALL THICKNESS	OPENING SIZE (INCH)				
	<24	<36	<48	<60	>60
<16	#5x3'-0"	#5x4'-0"	#5x4'-0"	#6x4'-6"	#6x4'-6"
<32	#6x3'-0"	#6x4'-0"	#6x4'-0"	#7x4'-6"	#7x4'-6"
<48	#6x3'-0"	#6x4'-0"	#7x4'-6"	#7x4'-6"	#8x5'-0"
<60	#7x3'-6"	#7x4'-6"	#7x4'-6"	#8x5'-0"	#8x5'-0"
>60	#7x3'-6"	#7x6'-6"	#8x5'-0"	#8x5'-0"	#9x6'-0"



RECTANGULAR OPENING CIRCULAR OPENING

NOTES:

1. THESE DETAILS APPLY TO ALL OPENINGS WHERE REINFORCEMENT IS INTERSECTED IN CAST-IN-PLACE CONCRETE WALLS OR SLABS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
2. THE AREA OF ADDITIONAL REINFORCEMENT REQUIRED IN EACH FACE ON EACH SIDE OF THE OPENING SHALL BE A MINIMUM OF 50% OF THE AREA OF BARS CUT IN EACH FACE IN EACH DIRECTION, RESPECTIVELY.
3. LD=DEVELOPMENT LENGTH.
4. SEE CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FOUNDATION WALL PENETRATION SIZES, LOCATIONS, AND ELEVATIONS NOT NOTED. COORDINATE WITH OTHER TRADES.

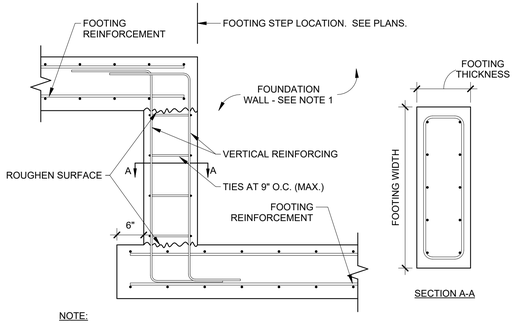
15 REINFORCING AROUND OPENING IN CAST-IN-PLACE CONCRETE

SCALE: N.T.S.

4000 PSI CONCRETE				
	LAP LENGTH		DEVELOPMENT LENGTH	
BAR SIZE	TOP	OTHER	TOP	OTHER
#3	24"	19"	19"	15"
#4	32"	25"	25"	19"
#5	40"	31"	31"	24"
#6	48"	37"	37"	29"
#7	70"	54"	54"	42"
#8	80"	62"	62"	48"
#9	91"	70"	70"	54"

14 CONCRETE REINFORCING LAP & DEVELOPMENT LENGTH REQUIREMENTS

SCALE: N.T.S.

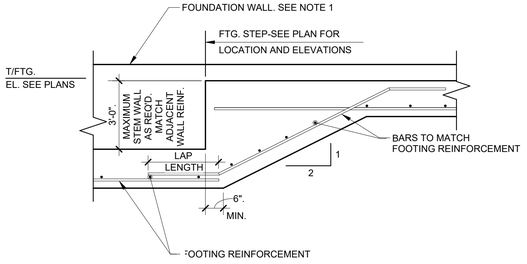


NOTE:

1. REINFORCING THROUGH FOUNDATION WALL SHALL MATCH ADJACENT FOUNDATION WALL REINFORCING. WHEN ADJACENT FOUNDATION WALL DOES NOT EXIST, I.E. INTERIOR FOOTING LOCATIONS AS NOTED, PROVIDE MINIMUM OF #5 AT 10" O.C. EACH FACE VERTICALLY AND HORIZONTALLY WITH THE FOUNDATION WALL BETWEEN STEPS EQUAL IN THICKNESS TO THE SUPPORTED WALL THICKNESS. HOOK BAR ENDS WITH 90 DEGREE ACI STD. HOOKS.

13 STEPPED FOOTING DETAIL (3' MIN.)

SCALE: N.T.S.

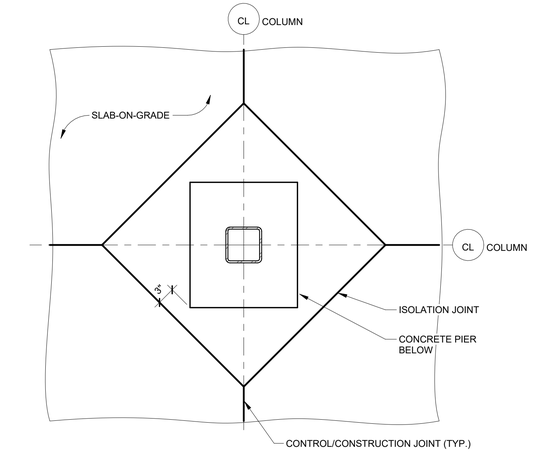


NOTE:

1. REINFORCING THROUGH FOUNDATION WALL SHALL MATCH ADJACENT FOUNDATION WALL REINFORCING. WHEN ADJACENT FOUNDATION WALL DOES NOT EXIST, I.E. INTERIOR FOOTING LOCATIONS AS NOTED, PROVIDE MINIMUM OF #5 AT 12" O.C. EACH FACE VERTICALLY AND HORIZONTALLY WITH THE FOUNDATION WALL BETWEEN STEPS EQUAL IN THICKNESS TO THE SUPPORTED WALL THICKNESS. HOOK BAR ENDS WITH 90 DEGREE ACI STD. HOOKS.

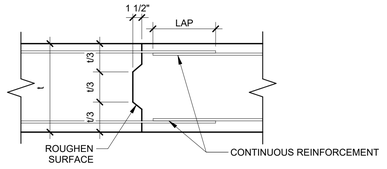
12 STEPPED FOOTING DETAIL (3' MAX.)

SCALE: N.T.S.



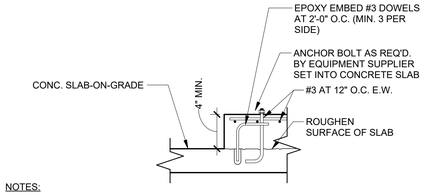
11 TYPICAL STEEL COLUMN ISOLATION JOINT

SCALE: N.T.S.



10 CONCRETE WALL OR FOOTING CONSTRUCTION JOINT DETAIL

SCALE: N.T.S.

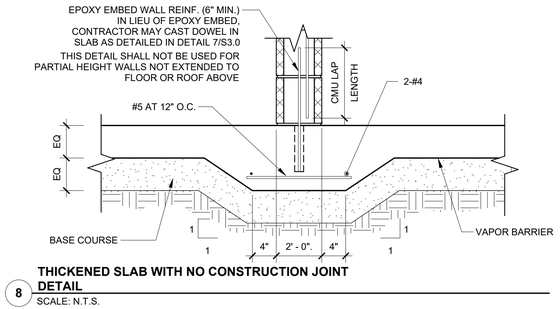


NOTES:

1. COORDINATE LOCATION OF PAD AND SIZE WITH EQUIPMENT MANUFACTURER. REFER TO ELECTRICAL, PLUMBING, AND MECHANICAL DRAWINGS.
2. PAD TO BE A MINIMUM 6" LARGER THAN EQUIPMENT ON ALL SIDES.
3. IN LIEU OF BENT ANCHOR BOLT SHOWN, PROVIDE EPOXY ANCHOR WITH A MINIMUM EMBEDMENT INTO CONCRETE OF 3".

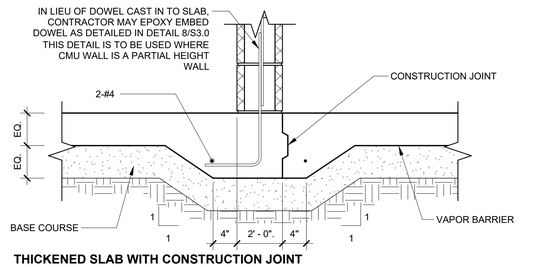
9 TYPICAL INTERIOR CONCRETE HOUSEKEEPING PAD REINFORCING DETAIL

SCALE: N.T.S.



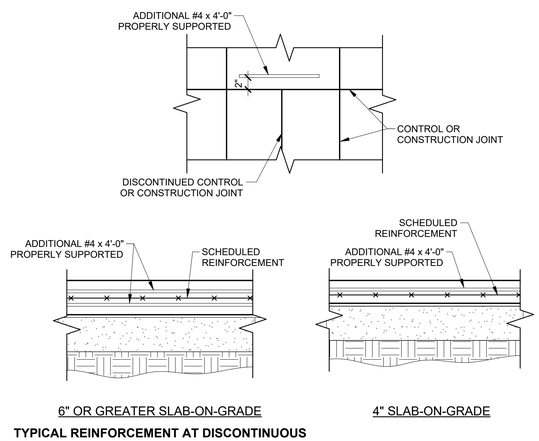
8 THICKENED SLAB WITH NO CONSTRUCTION JOINT DETAIL

SCALE: N.T.S.



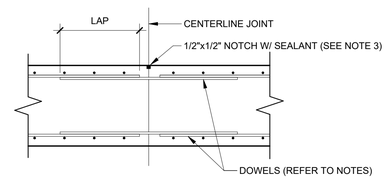
7 THICKENED SLAB WITH CONSTRUCTION JOINT DETAIL

SCALE: N.T.S.



6 TYPICAL REINFORCEMENT AT DISCONTINUOUS JOINT

SCALE: N.T.S.

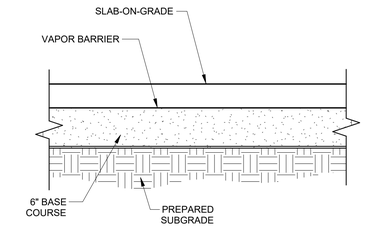


NOTES:

1. DOWELS TO MATCH AND LAP 50% OF HORIZONTAL STEEL.
2. IN LIEU OF USING DOWELS 50% OF HORIZONTAL STEEL MAY EXTEND THROUGH AND LAP WITH OTHER REINFORCING STEEL.
3. NOTCH AND SEALANT TO BE PROVIDED ON ALL EXPOSED CONCRETE FACES.
4. SPACE CONTROL JOINTS AT A MAXIMUM SPACING OF 30'-0"

5 TYPICAL WALL CONTROL JOINT DETAIL

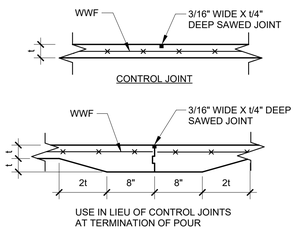
SCALE: N.T.S.



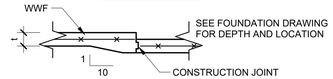
NOTE:
ALL CONDUIT, RACEWAY AND PIPING SHALL BE LOCATED BELOW THE DRAINAGE COURSE.

4 TYPICAL SLAB-ON-GRADE DETAIL

SCALE: N.T.S.



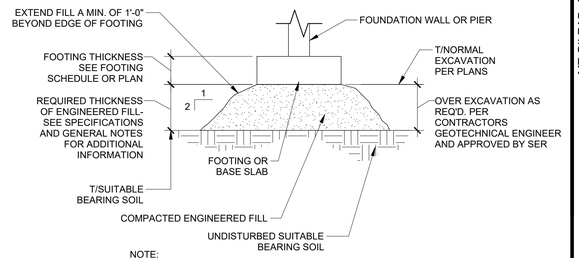
CONSTRUCTION JOINT



CONSTRUCTION JOINT AT DEPRESSED SLAB

3 SLAB CONTROL/CONSTRUCTION JOINT

SCALE: N.T.S.



NOTE:
1. IF SOILS WHICH ARE WEAKER THAN THE DESIGN BEARING PRESSURE ARE ENCOUNTERED AT THE FOOTING ELEVATIONS INDICATED, UNDERCUTTING AND REPLACEMENT WITH BACKFILL WILL BE REQUIRED.

2 OVEREXCAVATION DETAIL

SCALE: N.T.S.

CONCRETE COVER REQUIREMENTS	
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH, OR WEATHER	2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS BEAMS & COLUMNS	1" 1 1/2"

1 CONCRETE COVER REQUIREMENTS

SCALE: N.T.S.

DLZ
Connect. Build. Thrive.
DLZ ARCHITECTURE, INC.

2026/09/25
ELLIOTT R. LEE
STATE OF OHIO
67485
REGISTERED
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ANB CHKD: EGA
DESIGNED: ANB
APPRVD: EGA
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

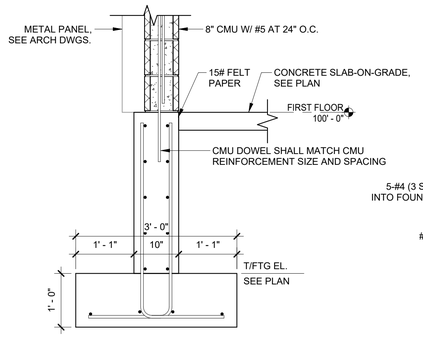
101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

TYPICAL FOUNDATION DETAILS & SECTIONS - 1

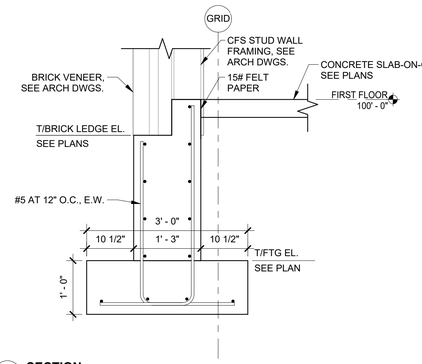
DRAWING NUMBER S3.0

STRUCTURAL

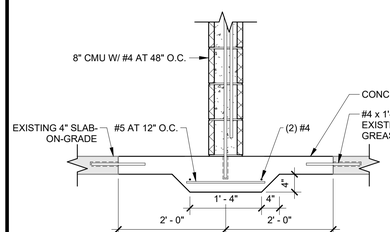
9/25/2026 6:05:20 PM



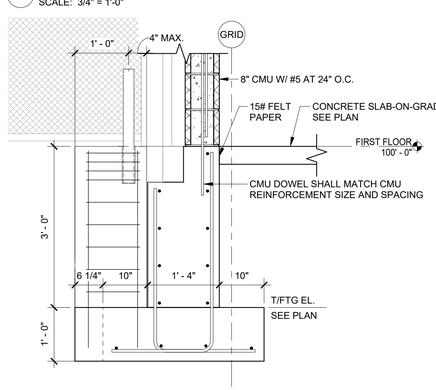
11 SECTION
SCALE: 3/4" = 1'-0"



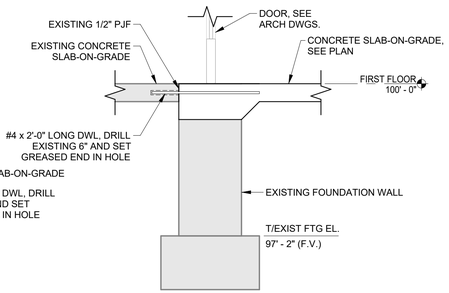
10 SECTION
SCALE: 3/4" = 1'-0"



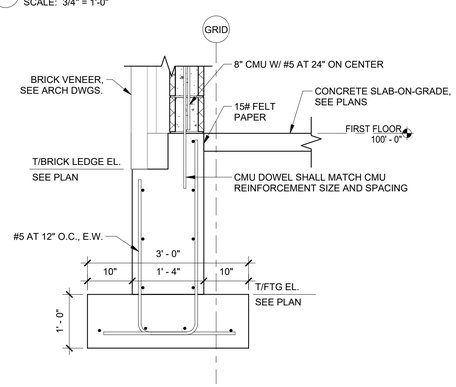
13 SECTION
SCALE: 3/4" = 1'-0"



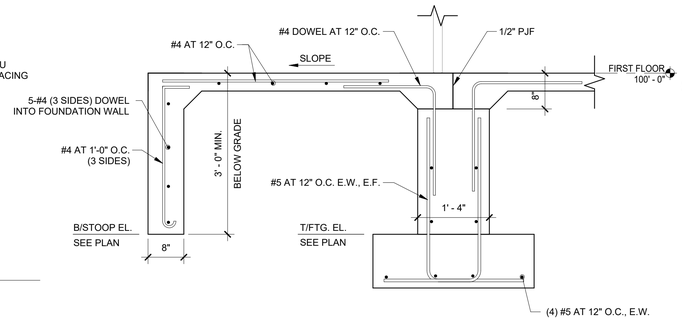
12 SECTION
SCALE: 3/4" = 1'-0"



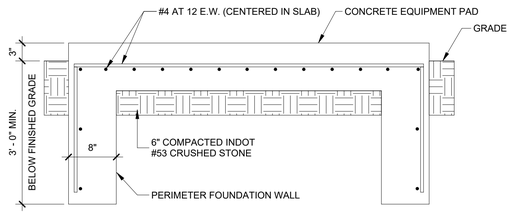
9 SECTION
SCALE: 3/4" = 1'-0"



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

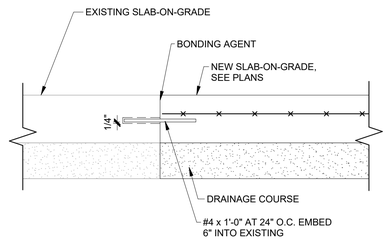


7 SECTION
SCALE: 3/4" = 1'-0"

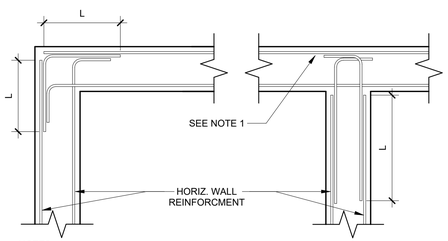


NOTES:
1. COORDINATE LOCATION, SIZE AND ANCHORAGE OF EQUIPMENT PAD WITH EQUIPMENT MANUFACTURER, MECHANICAL AND ELECTRICAL PLANS.
2. PAD SHALL BE A MINIMUM OF 1'-0" LARGER THAN EQUIPMENT ON ALL SIDES AND NO LESS THAN REQUIRED BY EQUIPMENT MANUFACTURER.

6 TYPICAL EXTERIOR EQUIPMENT PAD DETAIL
SCALE: N.T.S.

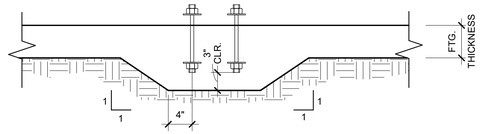


5 NEW TO EXISTING SLAB DETAIL
SCALE: N.T.S.



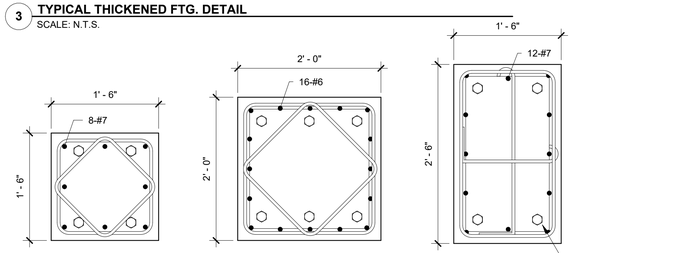
NOTES:
1. MINIMUM BEND LENGTH = 12 BAR DIAMETERS.
2. CORNER BARS MAY BE AN EXTENSION OF THE WALL REINF. AT THE OPTION OF THE CONTRACTOR.
3. L = THE LAP LENGTH OF THE SMALLER BAR OR THE DEVELOPMENT LENGTH OF THE LARGER BAR WHICH EVER IS GREATER.
4. VERTICAL WALL REINFORCEMENT NOT SHOWN.
5. SEE PLANS AND DETAILS FOR SIZE OF HORIZONTAL AND VERTICAL REINFORCEMENT.
6. DETAIL SIMILAR AT WALLS WITH A SINGLE MAT OF REINFORCEMENT.

4 STANDARD HORIZONTAL CORNERS AND "T" WALL REINFORCEMENT DETAILS
SCALE: N.T.S.



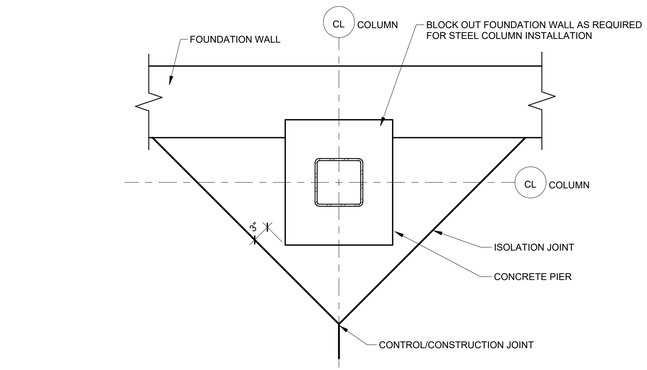
NOTE:
USE THIS DETAIL WHEN THE SPECIFIED ANCHOR ROD LENGTH IS GREATER THAN THE FOOTING THICKNESS.

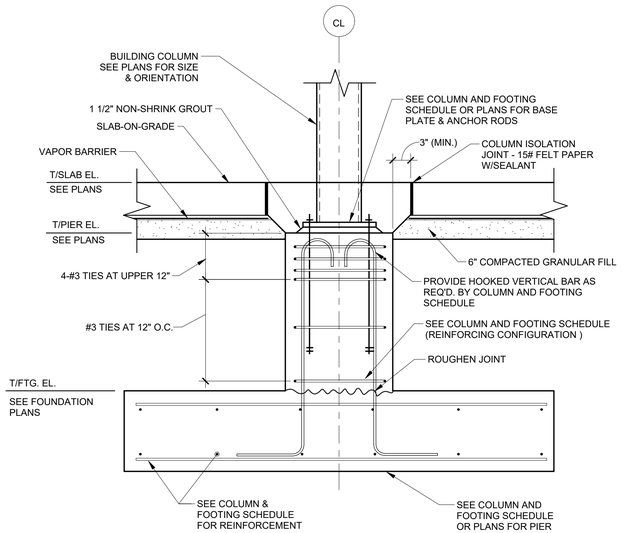
3 TYPICAL THICKENED FTG. DETAIL
SCALE: N.T.S.



NOTES:
1. COLUMNS AND WALLS NOT SHOWN FOR CLARITY.
2. REFER TO PLANS FOR COLUMN AND PIER ORIENTATION

2 PIER DETAIL
SCALE: N.T.S.





NOTES:
1. SIMILAR AT INTERIOR COLUMNS WITHOUT PIERS OR FOUNDATION WALL.
2. WHERE COLUMN IS LOCATED AT EXTERIOR WALL, FOUNDATION WALL HORIZONTAL REINFORCEMENT SHALL EXTEND THROUGH CONCRETE PIER OR COLUMN.

1 TYPICAL STEEL COLUMN FOOTING DETAIL
SCALE: N.T.S.

DLZ
Connect. Build. Thrive.
DLZ ARCHITECTURE, INC.

2026.09.25 ELLIOTT KYLE ANDERSON #74895 REGISTERED PROFESSIONAL ENGINEER STATE OF OHIO

NO.	REVISION	DATE

DRAWN: ANB | CHK'D: EGA
DESIGNED: ANB
APPRV'D: EGA
DATE: SEPTEMBER 25, 2026

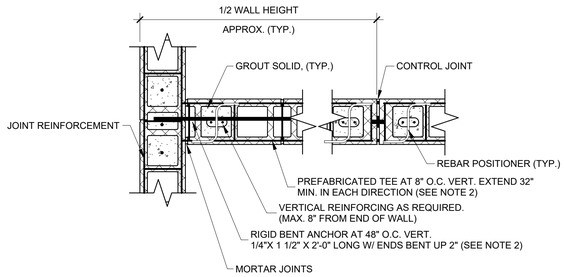
PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

TYPICAL FOUNDATION DETAILS & SECTIONS - 2

DRAWING NUMBER S3.1 STRUCTURAL

9/25/2026 6:05:21 PM

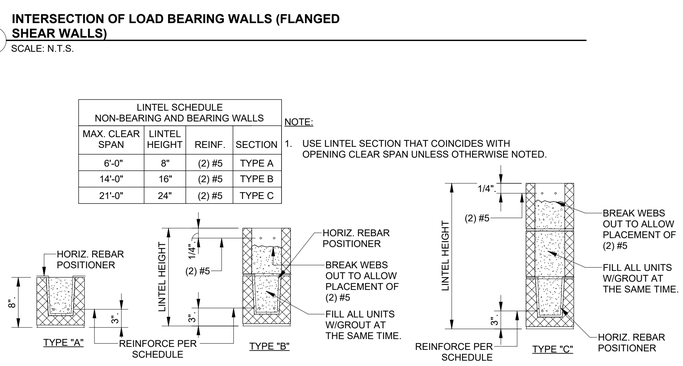


NOTES:
1. SEE SECTIONS FOR CMU WALL VERTICAL REINFORCING-REINFORCING SHOWN IS IN ADDITION TO THAT NOTED IN THE SCHEDULE.
2. EITHER THE RIGID BENT ANCHOR OR THE PREFABRICATED TEE/CORNERS AS NOTED THROUGH THE JOINT. BOTH ARE NOT REQUIRED THROUGH THE JOINT.
3. BENDING RIGID ANCHORS IS NOT ACCEPTABLE. CONTRACTOR SHALL CONSTRUCT WALL CONTAINING BOTH ENDS OF THE RIGID ANCHORS.

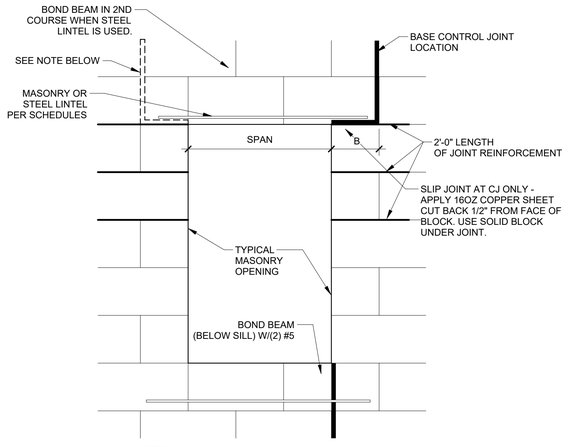
11 INTERSECTION OF LOAD BEARING WALLS (FLANGED SHEAR WALLS)
SCALE: N.T.S.

LINTEL SCHEDULE NON-BEARING AND BEARING WALLS			
MAX. CLEAR SPAN	LINTEL HEIGHT	REINF.	SECTION
6'-0"	8"	(2) #5	TYPE A
14'-0"	16"	(2) #5	TYPE B
21'-0"	24"	(2) #5	TYPE C

NOTE:
1. USE LINTEL SECTION THAT COINCIDES WITH OPENING CLEAR SPAN UNLESS OTHERWISE NOTED.

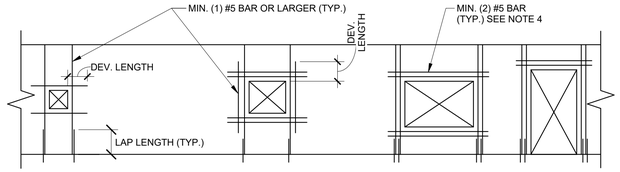


10 CMU LINTEL SCHEDULE
SCALE: N.T.S.



NOTE:
1. CONTROL JOINT SHALL BE PROVIDED AT BOTH JAMBS OF WALL OPENINGS OVER 6 FT. WIDE.

9 CONTROL JOINT AT CMU OPENING
SCALE: N.T.S.



B	SPAN
8"	0FT.-7FT.
12"	7FT.-12FT.
16"	12FT.-16FT.

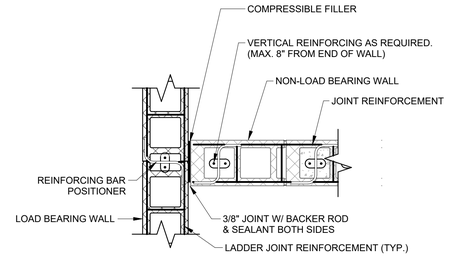
CASE I:
APPLIES TO (1) ALL OPENINGS IN NON-BEARING CMU WALLS AND (2) ANY OPENING 2-FEET OR LESS BOTH WAYS IN LOAD BEARING OR EXTERIOR CMU WALLS.

CASE II:
APPLIES TO LOAD BEARING AND EXTERIOR CMU WALLS WHEN OPENING EXCEEDS 2-FEET BUT NOT MORE THAN 4-FEET IN EITHER DIRECTION.

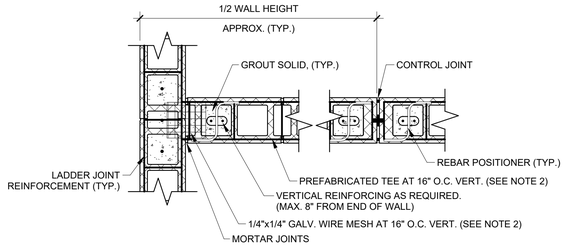
CASE III:
APPLIES TO LOAD BEARING AND EXTERIOR CMU WALLS WHEN OPENING EXCEEDS 4-FEET IN EITHER DIRECTION AND ALL OPENING IN CMU SHEAR WALLS.

NOTES:
1. VERTICAL REINFORCEMENT CONSISTING OF 2 BARS, SHALL BE PLACED IN SEPARATE ADJACENT CELLS.
2. VERTICAL BARS SHALL BE OF THE SAME SIZE, EXTENT, AND ANCHORAGE AS THE TYPICAL REINFORCING IN THAT WALL UNLESS OTHERWISE INDICATED.
3. VERTICAL BARS CAN BE PART OF NORMAL REINFORCING IN THE WALL.
4. REINFORCEMENT AT TOP OF OPENING SHALL NOT BE LESS THAN THAT REQUIRED BY THE LINTEL SCHEDULE.

8 REINFORCEMENT AROUND OPENING IN CMU
SCALE: N.T.S.

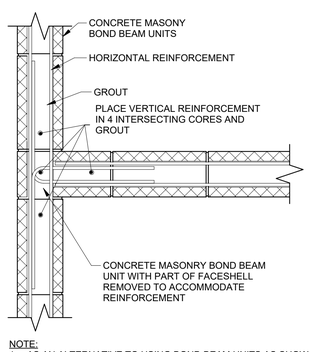


7 INTERSECTION OF LOAD BEARING AND NON-LOAD BEARING WALLS
SCALE: N.T.S.



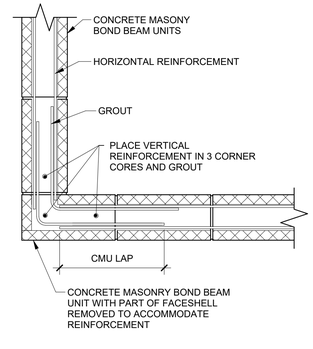
NOTES:
1. SEE SECTIONS FOR CMU WALL VERTICAL REINFORCING-REINFORCING SHOWN IS IN ADDITION TO THAT NOTED IN THE SCHEDULE.
2. EITHER THE GALVANIZED WIRE MESH OR PREFABRICATED TEE/CORNERS AS NOTED SHALL BE INSTALLED. BOTH ARE NOT REQUIRED THROUGH THE JOINT.

6 INTERSECTION OF CMU WALLS
SCALE: N.T.S.



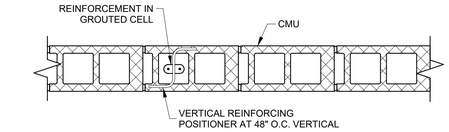
NOTE:
1. AS AN ALTERNATIVE TO USING BOND BEAM UNITS AS SHOWN, STANDARD UNITS CAN BE SAW-CUT TO REMOVE PART OF THE CROSS-WEBS TO ACCOMMODATE THE HORIZONTAL REINFORCEMENT.

5A BOND BEAM AT T-INTERSECTION DETAIL
SCALE: N.T.S.

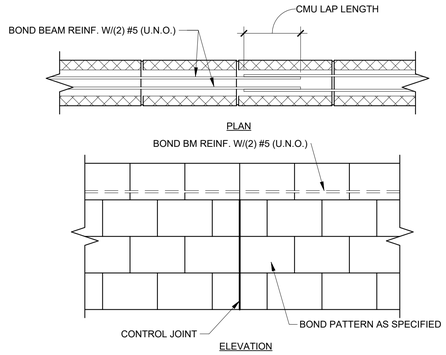


NOTE:
1. AS AN ALTERNATIVE TO USING BOND BEAM UNITS AS SHOWN, STANDARD UNITS CAN BE SAW-CUT TO REMOVE PART OF THE CROSS-WEBS TO ACCOMMODATE THE HORIZONTAL REINFORCEMENT.

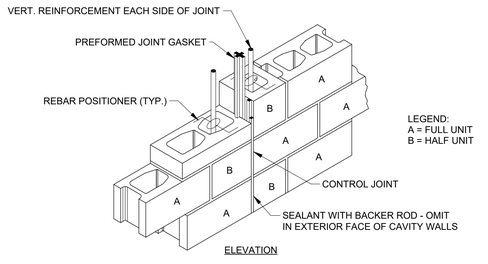
5 BOND BEAM AT CORNER DETAIL
SCALE: N.T.S.



4 TYPICAL CMU REINFORCING POSITIONERS
SCALE: N.T.S.



3 BOND BEAM AT CONTROL JOINT DETAIL
SCALE: N.T.S.



NOTES:
1. APPLICABLE TO THE CONSTRUCTION OF ALL CONTROL JOINTS IN CMU WALLS.
2. SEE STRUCTURAL GENERAL NOTES ON SHEET S0.1 FOR TYPICAL CMU CONTROL JOINT LOCATION AND SPACING REQUIREMENTS.

2 CMU WALL CONTROL JOINT DETAIL
SCALE: N.T.S.

BAR SIZE	LAP LENGTH	HORIZ. REINF DEVELOPMENT LENGTH	VERTICAL CMU DEVELOPMENT LENGTH			
			12" CMU	10" CMU	8" CMU	6" CMU
#3	15"	12"	12"	12"	12"	12"
#4	20"	22"	13"	13"	13"	18"
#5	25"	36"	20"	20"	20"	28"
#6	30"	73"	38"	38"	38"	-
#7	35"	107"	52"	52"	52"	-
#8	40"	175"	79"	79"	79"	-

1 CMU REINFORCING LAP & DEVELOPMENT LENGTH REQUIREMENTS
SCALE: N.T.S.

DLZ
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DLZ ARCHITECTURE, INC.

2026.09.25
ELLIOTT G. ANDERSON
STATE OF OHIO
68-41885
REGISTERED ARCHITECT

NO.	REVISION	DATE

DRAWN: ANB
DESIGNED: ANB
CHK'D: EGA
APPRV'D: EGA
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

TYPICAL MASONRY DETAILS & SECTIONS - 1

DRAWING NUMBER: S4.0
STRUCTURAL

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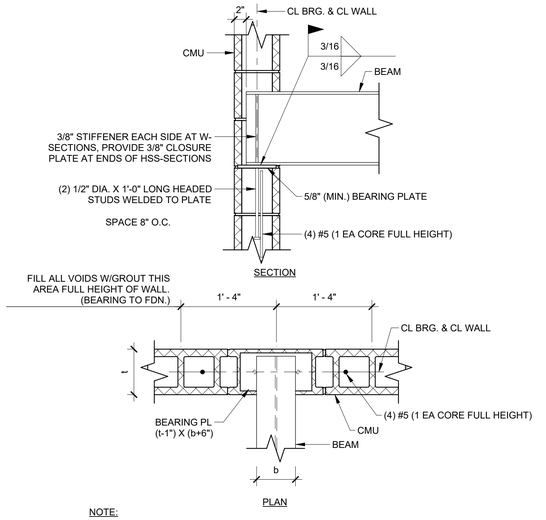
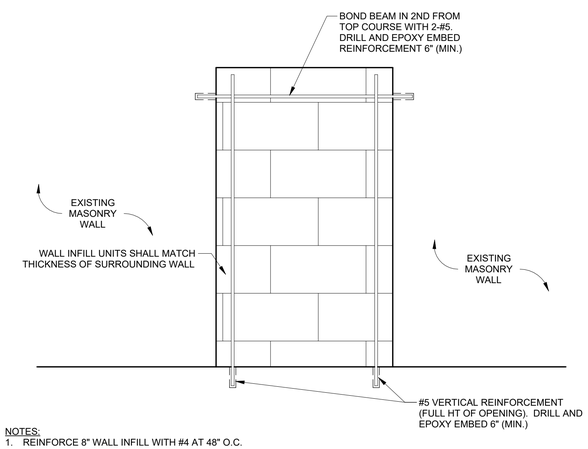


NOTE:

1. PLACEMENT OF VERTICAL CONDUIT SHALL NOT BE ALLOWED IN GROUTED REINFORCED CMU CELLS.

9 TYPICAL STEEL BEAM BEARING ON PERPINDICULAR CMU WALL DETAIL

SCALE: N.T.S.

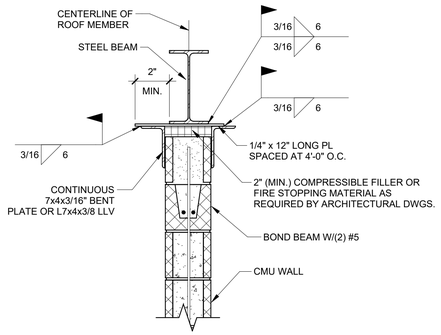


NOTES:

1. REINFORCE 8" WALL INFILL WITH #4 AT 48" O.C.
2. LIMIT WIDTH OF CUT CMU TO 4" (MIN.)

8 INFILL EXISTING MASONRY WALL OPENING

SCALE: N.T.S.

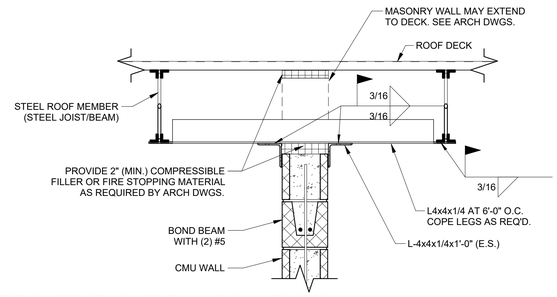


NOTE:

1. WALL AND MEMBER CENTER LINE MAY BE OFFSET 8" MAX.

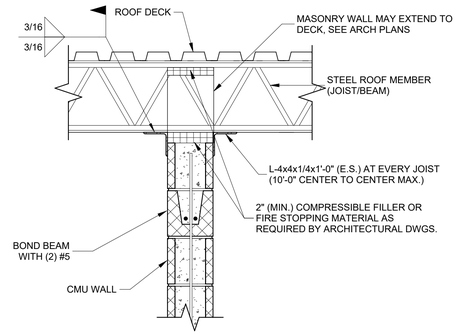
7 TYPICAL TOP OF NON-BEARING CMU WALL ATTACHMENT TO STEEL DETAIL - WALL PARALLEL TO UNDERSIDE OF MEMBER

SCALE: N.T.S.



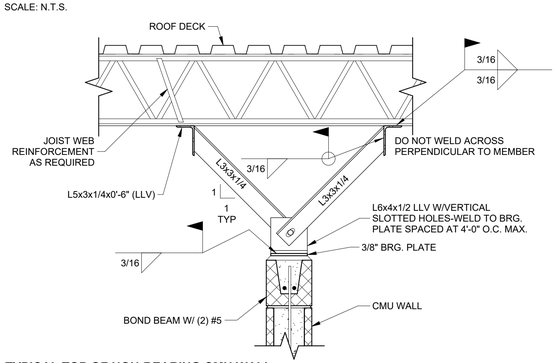
6 TYPICAL TOP OF NON-BEARING CMU WALL TO DECK UNDERSIDE ATTACHMENT TO STEEL DETAIL - WALL PARALLEL OR ANGLED TO MEMBER

SCALE: N.T.S.



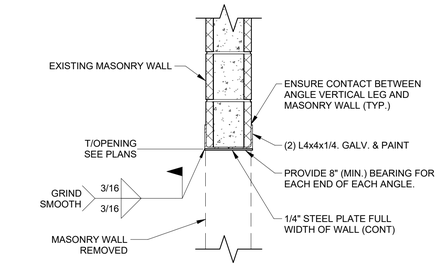
5 TYPICAL TOP OF NON-BEARING CMU WALL TO DECK UNDERSIDE ATTACHMENT TO STEEL DETAIL - WALL PERPENDICULAR OR ANGLED TO MEMBER

SCALE: N.T.S.



4 TYPICAL TOP OF NON-BEARING CMU WALL ATTACHMENT TO STEEL DETAIL - WALL NOT EXTENDED TO THE UNDERSIDE OF DECK

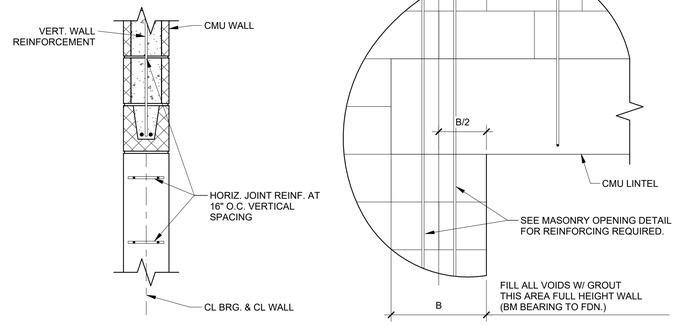
SCALE: N.T.S.



NOTE:
STRUCTURAL STEEL EXPOSED TO VIEW SHALL BE UNIFORM, SMOOTH, AND FREE OF MILL OR ROLL MARKS.

3 NEW OPENING IN EXISTING MASONRY

SCALE: N.T.S.

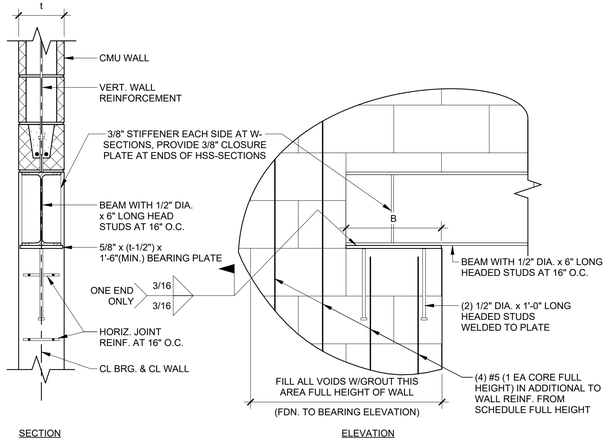


NOTES:

1. SEE DETAIL 10/S4.0 FOR CONTROL JOINT REQUIREMENTS AT OPENINGS.
2. VERTICAL REINFORCEMENT TO BE IN ACCORDANCE WITH DETAIL 9/S4.0
3. "B" SHALL BE AS DEFINED IN THE MASONRY OPENING DETAIL 9/S4.0

2 CMU LINTEL BEARING DETAIL

SCALE: N.T.S.



NOTES:

1. PLACEMENT OF VERTICAL CONDUIT SHALL NOT BE ALLOWED IN GROUTED CELLS.
2. SEE DETAIL 10/S4.0 FOR CONTROL JOINT REQUIREMENTS AT OPENINGS.
3. VERTICAL REINFORCEMENT TO BE IN ACCORDANCE WITH DETAIL 9/S4.0.
4. "B" SHALL BE AS DEFINED IN THE MASONRY OPENING DETAIL 9/S4.0.

1 TYPICAL STEEL BEAM BEARING ON PARALLEL CMU WALL DETAIL

SCALE: N.T.S.

DLZ
Connect. Build. Thrive.
DLZ ARCHITECTURE, INC.

2026.09.25
STATE OF OHIO
ELLIOTT A. GAST
67481
REGISTERED
ARCHITECT
SURVEYOR

NO.	REVISION	DATE

DRAWN: ANB
DESIGNED: ANB
CHK'D: EGA
APPRV'D: EGA
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

TYPICAL MASONRY DETAILS & SECTIONS - 2

DRAWING NUMBER S4.1

STRUCTURAL

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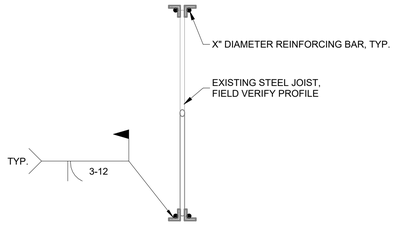
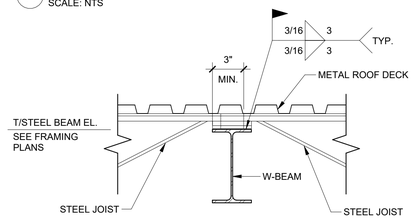


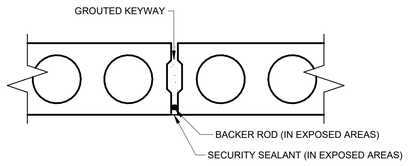
NOTE:
REFER TO JOIST ELEVATIONS FOR LIMITS OF REQUIRED REINFORCEMENT.

11 EXISTING STEEL JOIST REINFORCEMENT
SCALE: NTS

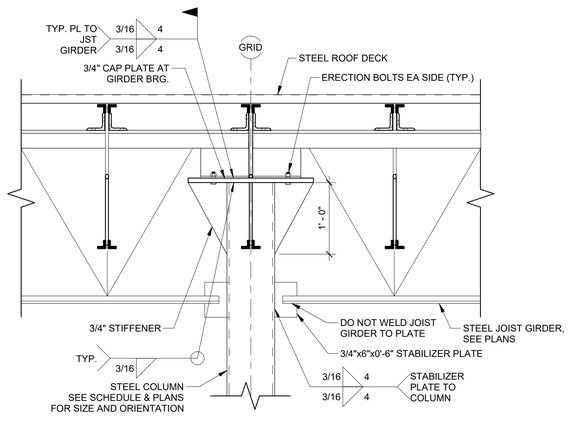


NOTES:
1. AT DOUBLE LOADED JOIST BEARING STAGGER JOIST AS REQUIRED FOR MIN. 3" BEARING.
2. SEE PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

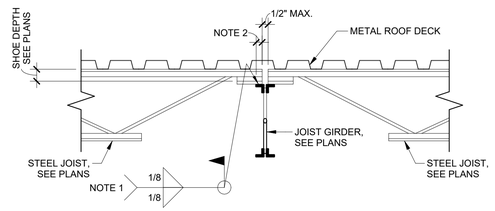
10 TYPICAL STEEL JOIST BEARING ON STEEL BEAM DETAIL
SCALE: N.T.S.



9 TYPICAL PRECAST HOLLOWCORE JOINT DETAIL
SCALE: N.T.S.

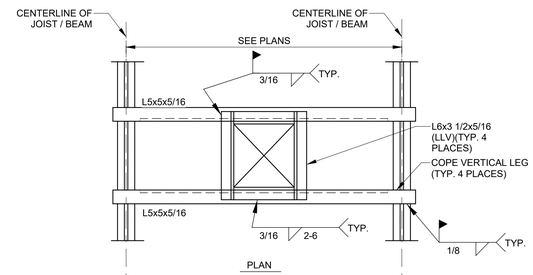


8 TYPICAL STEEL JOIST GIRDER CONNECTION AT INTERIOR COLUMN
SCALE: N.T.S.



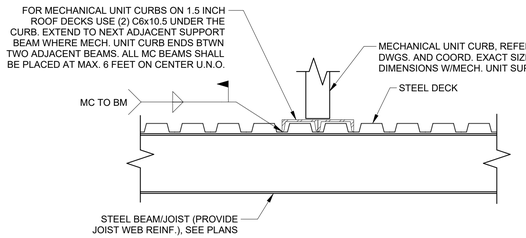
NOTES:
1. WELD INDICATED IS THE MINIMUM FOR K-SERIES JOIST.
2. MINIMUM BEARING SHALL BE 2 1/2" FOR K-SERIES.

7 TYPICAL STEEL JOIST BEARING ON STEEL JOIST GIRDER DETAIL
SCALE: N.T.S.

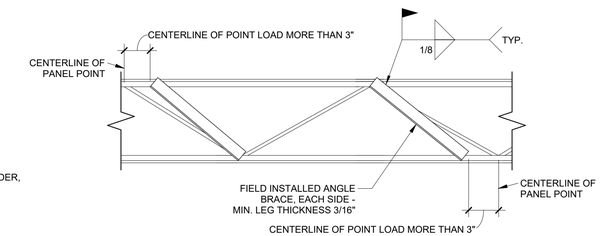


NOTE:
1. DIMENSION OF OPENINGS VARY. SEE ARCHITECTURAL ROOF PLAN AND VARIOUS MECHANICAL PLANS, CONTRACTOR SHALL COORDINATE. FRAME NOT REQUIRED FOR OPENINGS LESS THAN 12"x12". FOR OPENINGS BETWEEN 6" AND 12" REINFORCE OPENINGS WITH 16 GA. MATERIAL THAT IS 8" LARGER THAN OPENING ON EACH SIDE, FASTEN TO DECK AT 6" O.C. AROUND PERIMETER.

6 TYPICAL STEEL ROOF DECK PENETRATION SUPPORT
SCALE: N.T.S.

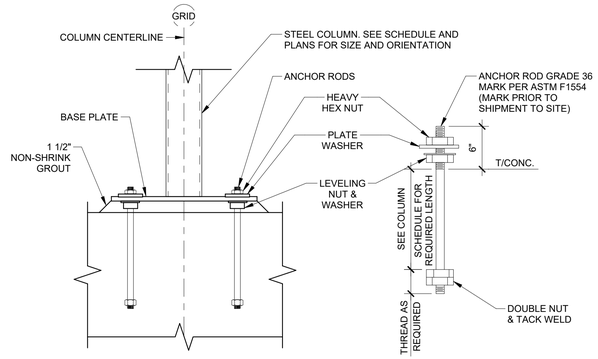


5 TYPICAL MECHANICAL UNIT CURB SUPPORT DETAIL
SCALE: N.T.S.

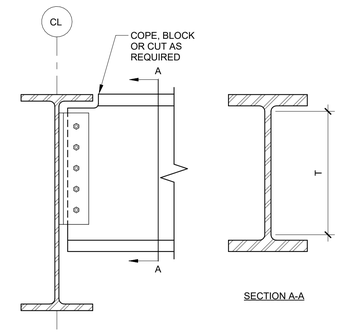


NOTE:
THIS DETAIL APPLIES TO ALL STEEL JOISTS SUPPORTING A CONCENTRATED FORCE GREATER THAN 200 LBS THAT IS NOT APPLIED AT A PANEL POINT.

4 TYPICAL POINT LOADED JOIST DETAIL
SCALE: N.T.S.

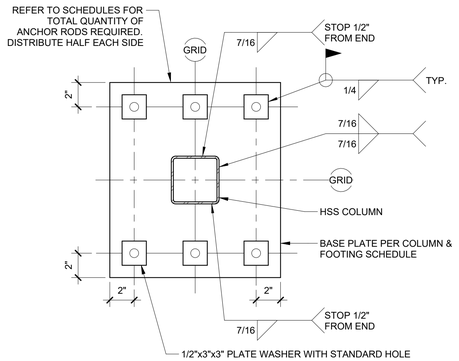


3 TYPICAL ANCHOR ROD DETAIL
SCALE: N.T.S.



NOTES:
1. DESIGN CONNECTION AS STANDARD AISC SIMPLE DOUBLE ANGLE TO RESIST 100% OF THE END REACTIONS INDICATED ON THE FLOOR PLANS UNLESS SPECIFICALLY DETAILED.
2. CONTRACTOR HAS OPTION TO BOLT OR WELD ANGLES UNLESS SPECIFICALLY DETAILED.
3. SIMILAR DETAIL AT BEAM TO COLUMN CONNECTION.
4. CONNECTION TO BE A MINIMUM OF 2/3 T.

2 TYPICAL BEAM/GIRDER CONNECTION
SCALE: N.T.S.



ROD DIA.	B.P. HOLE DIA. (IN.)	PLATE WASHER
3/4"	1 5/16"	2"x2"x3/8"
1"	1 13/16"	3"x3"x3/8"
1 1/4"	2 1/16"	3"x3"x1/2"
1 1/2"	2 5/16"	3 1/2"x3 1/2"x1/2"

1 COLUMN BASE PLATE PLAN DETAIL
SCALE: N.T.S.

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DLZ ARCHITECTURE, INC.

2026.09.25
ELLIOTT E. LEE
PE-2001015885
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ANB
DESIGNED: ANB
CHK'D: EGA
APPRV'D: EGA
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

TYPICAL FRAMING DETAILS & SECTIONS - 1

DRAWING NUMBER S5.0
STRUCTURAL

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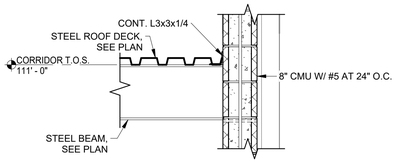
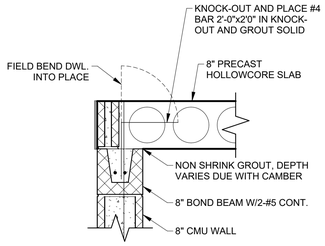
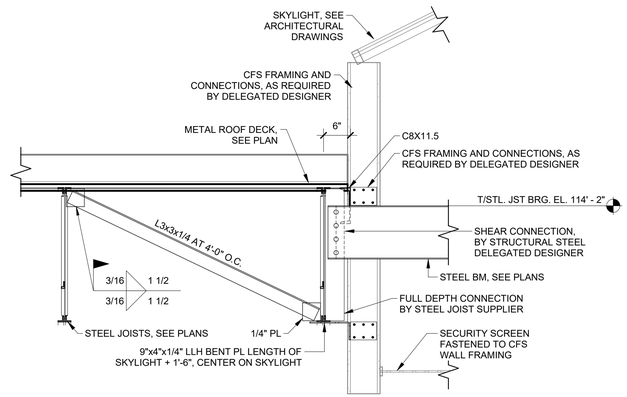


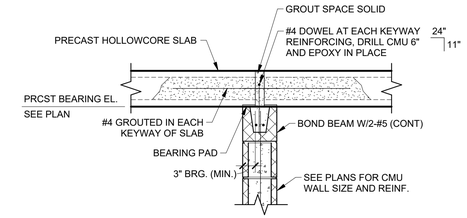
8 SECTION
SCALE: 3/4" = 1'-0"



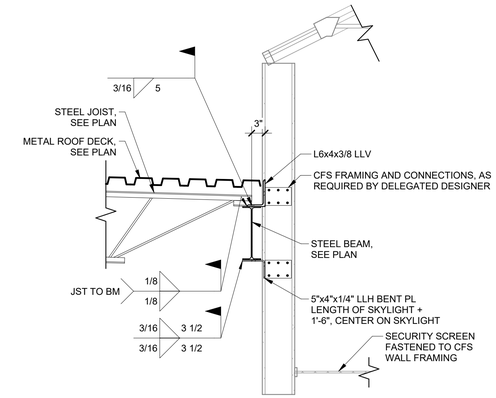
7 SECTION
SCALE: 1" = 1'-0"



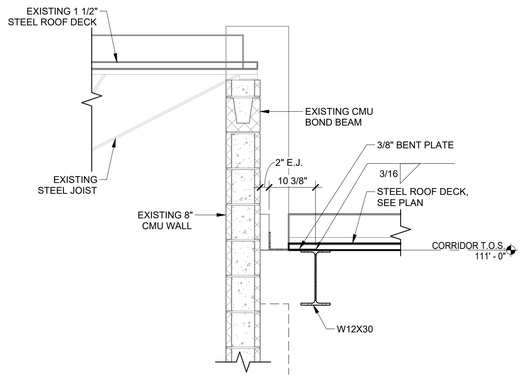
3 SECTION AT SKYLIGHT
SCALE: 3/4" = 1'-0"



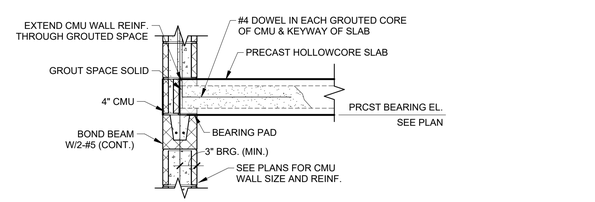
6 SECTION
SCALE: 3/4" = 1'-0"



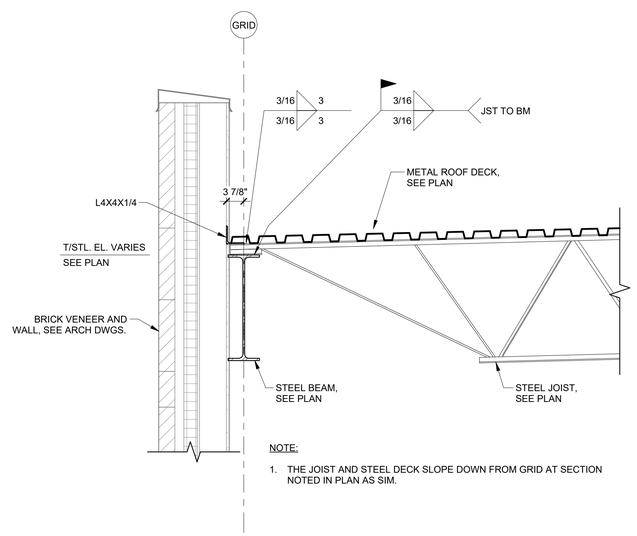
2 SECTION AT SKYLIGHT
SCALE: 3/4" = 1'-0"



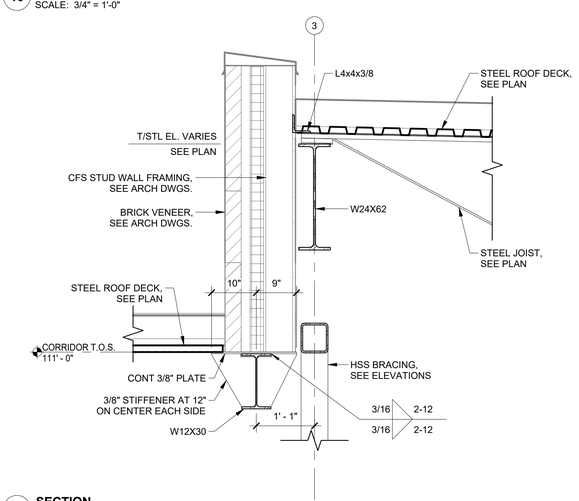
10 SECTION
SCALE: 3/4" = 1'-0"



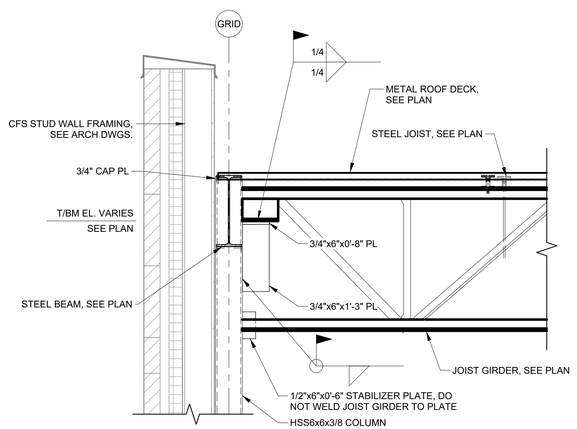
5 SECTION
SCALE: 3/4" = 1'-0"



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



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



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

9/25/2026 6:05:28 PM

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DLZ ARCHITECTURE, INC.

2026.09.25
STATE OF OHIO
ELLIOTT
E-41885
REGISTERED
PROFESSIONAL ENGINEER

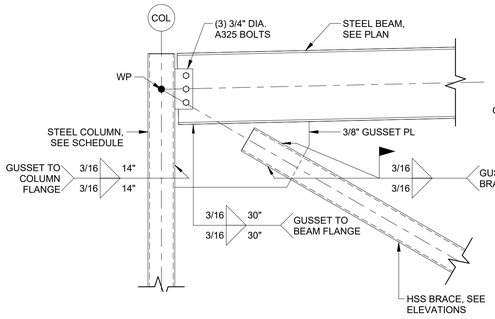
NO.	REVISION	DATE

DRAWN: ANB
DESIGNED: ANB
CHK'D: EGA
APPRV'D: EGA
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER: 2421-4009-00

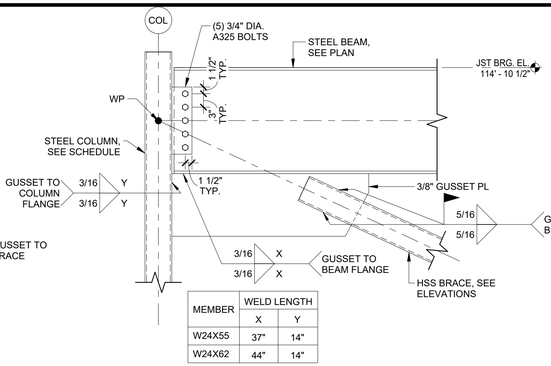
101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

TYPICAL FRAMING DETAILS & SECTIONS - 2

DRAWING NUMBER: S5.1
STRUCTURAL

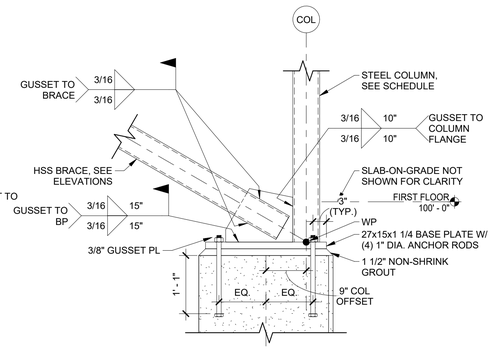


8 BRACED FRAME DETAIL - FRAMES A AND C
SCALE: 3/4" = 1'-0"

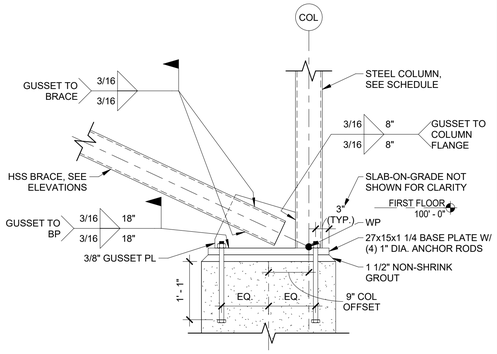


MEMBER	WELD LENGTH	
	X	Y
W24X55	37"	14"
W24X62	44"	14"

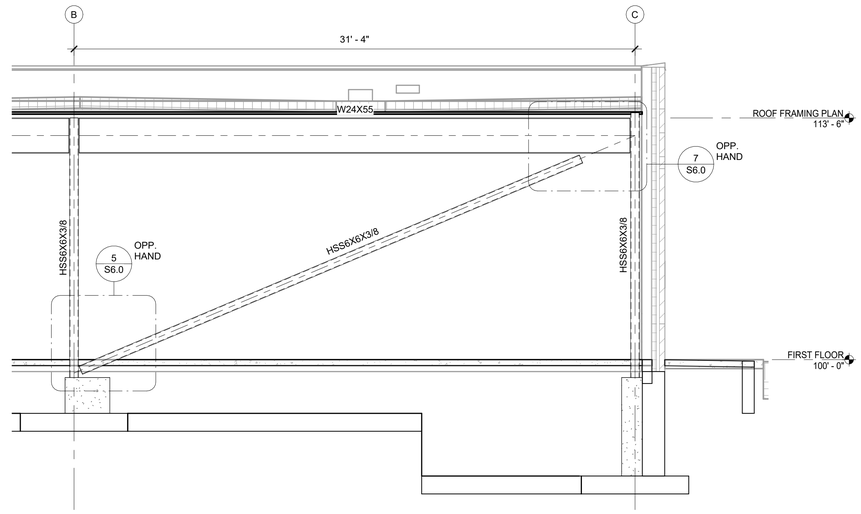
7 BRACED FRAME DETAIL - FRAMES 1 AND 3
SCALE: 3/4" = 1'-0"



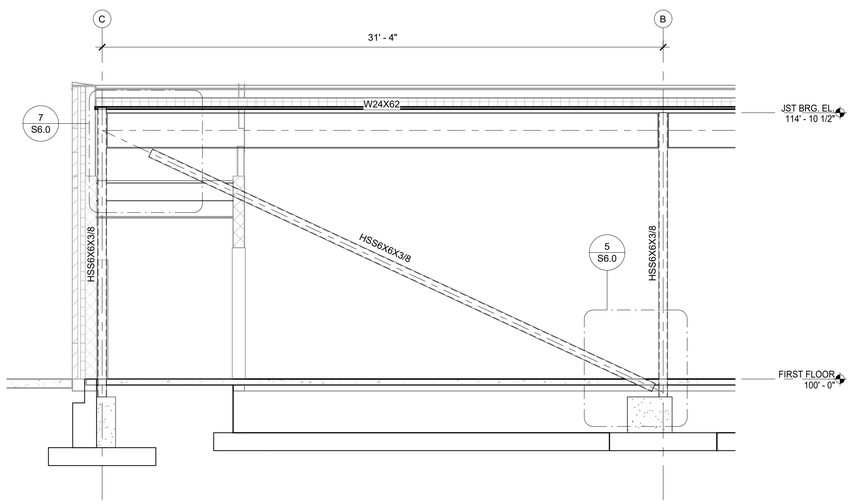
6 BRACED FRAME DETAIL - FRAMES A AND C
SCALE: 3/4" = 1'-0"



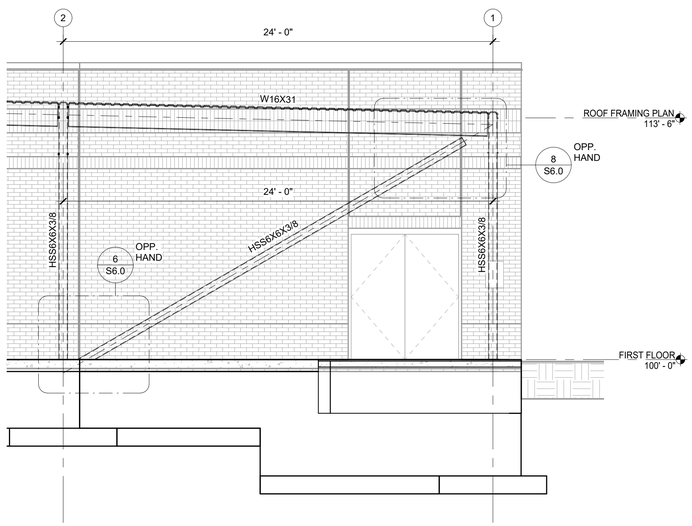
5 BRACED FRAME DETAIL - FRAMES 1 AND 3
SCALE: 3/4" = 1'-0"



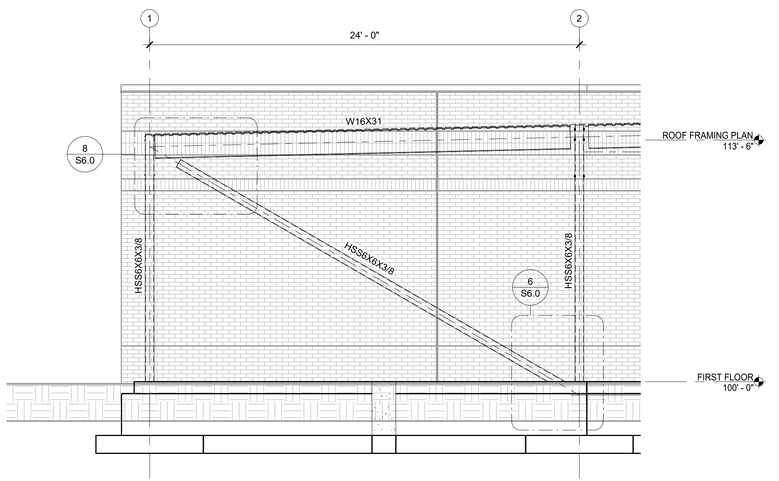
4 FRAMING ELEVATION ALONG COLUMN LINE 1
SCALE: 1/4" = 1'-0"



2 FRAMING ELEVATION ALONG COLUMN LINE 3
SCALE: 1/4" = 1'-0"



3 FRAMING ELEVATION ALONG COLUMN LINE C
SCALE: 1/4" = 1'-0"



1 FRAMING ELEVATION ALONG COLUMN LINE A
SCALE: 1/4" = 1'-0"

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DLZ ARCHITECTURE, INC.

STATE OF OHIO — ELLIOTT E. GAY — 84885 — REGISTERED ARCHITECT — 2026.09.25

NO.	REVISION	DATE

DRAWN: ANB | CHK'D: EGA
DESIGNED: ANB
APPRV'D: EGA
DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

101 HOME RD
MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

BRACED FRAME ELEVATIONS - 1

DRAWING NUMBER S6.0
STRUCTURAL

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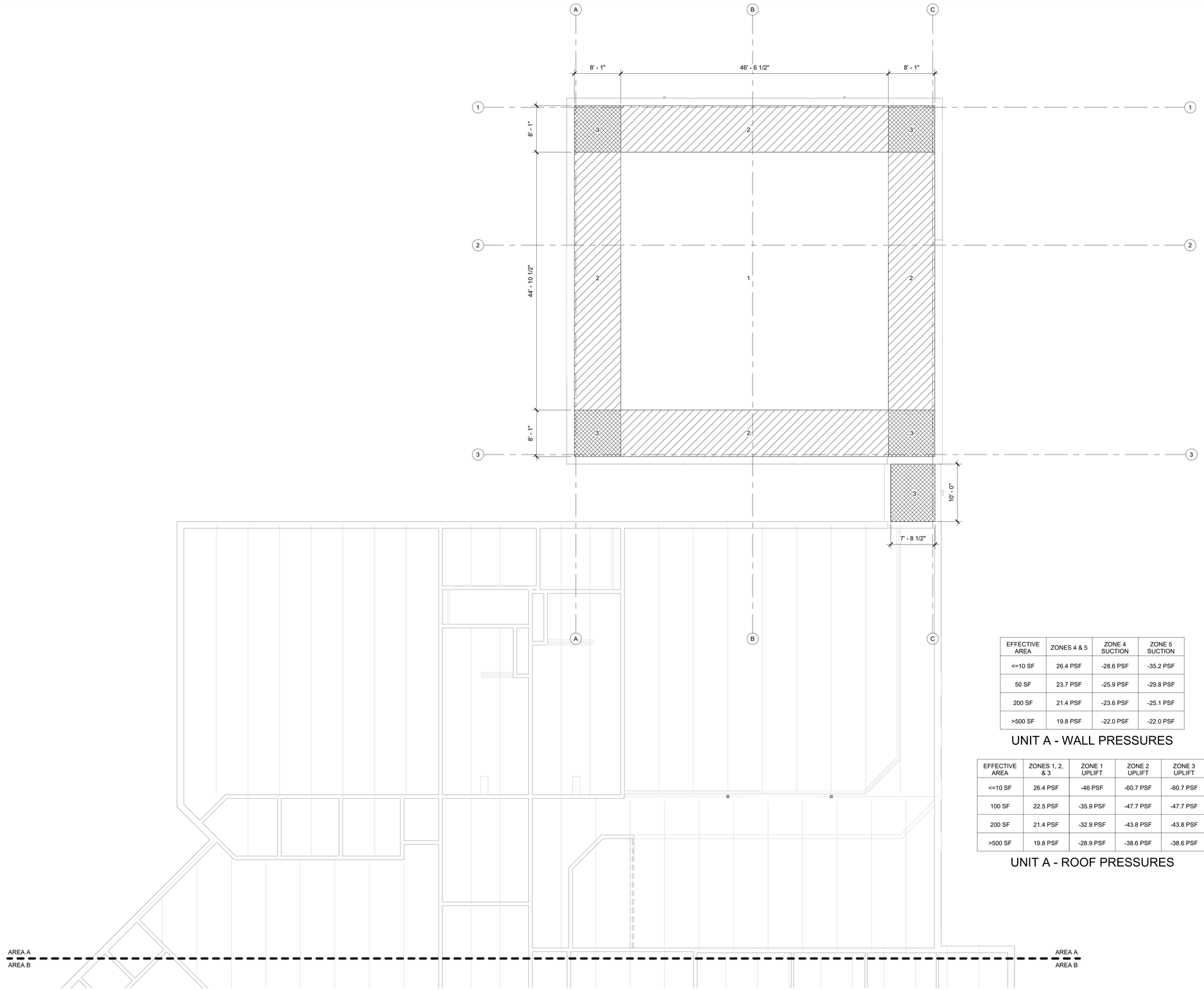


NORTH

1 **WIND LOADING PLAN - AREA A**
SCALE: 1/8" = 1'-0"

EFFECTIVE AREA	ZONES 4 & 5	ZONE 4 SUCTION	ZONE 5 SUCTION
<=10 SF	26.4 PSF	-28.6 PSF	-35.2 PSF
50 SF	23.7 PSF	-25.9 PSF	-29.8 PSF
200 SF	21.4 PSF	-23.6 PSF	-25.1 PSF
>500 SF	19.8 PSF	-22.0 PSF	-22.0 PSF

UNIT A - WALL PRESSURES

EFFECTIVE AREA	ZONES 1, 2, & 3	ZONE 1 UPLIFT	ZONE 2 UPLIFT	ZONE 3 UPLIFT
<=10 SF	26.4 PSF	-46 PSF	-60.7 PSF	-60.7 PSF
100 SF	22.5 PSF	-35.9 PSF	-47.7 PSF	-47.7 PSF
200 SF	21.4 PSF	-32.9 PSF	-43.8 PSF	-43.8 PSF
>500 SF	19.8 PSF	-28.9 PSF	-38.6 PSF	-38.6 PSF

UNIT A - ROOF PRESSURES

PLAN NOTES

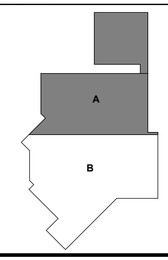
A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S0.1 AND S0.2 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.

B. JOIST MANUFACTURER'S SSE SHALL DESIGN JOISTS FOR TOTAL AND LIVE LOADS INDICATED IN PLAN JOIST DESIGNATIONS. IN ADDITION TO JOIST DESIGNATION LOADS, THE JOIST MANUFACTURER'S SSE SHALL ADD SNOW DRIFT LOADING, EQUIPMENT LOADING, POINT LOADS, AND WIND LOADING AS SHOWN IN DOCUMENTS FOR JOIST ANALYSIS AND DESIGN.
1. TYPICAL DEAD LOAD TO JOISTS EQUALS 25 PSF.
2. TYPICAL ROOF LIVE LOAD TO JOISTS EQUALS 20 PSF.
3. TYPICAL SNOW LOAD TO JOISTS EQUALS 22 PSF (SEE DRIFT LOADING DIAGRAM ON S7.2).
4. WIND LOADS ARE PER THIS DRAWING DIAGRAM.
5. LOADS ARE SERVICE LOADS AND SHALL BE COMBINED IN ACCORDANCE WITH ASCE 7-16 LOAD COMBINATIONS.

LEGEND

1	INDICATES AREA OF COMPONENTS AND CLADDING ZONE 1
2	INDICATES AREA OF COMPONENTS AND CLADDING ZONE 2
3	INDICATES AREA OF COMPONENTS AND CLADDING ZONE 3

KEYPLAN



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DLZ ARCHITECTURE, INC.

2026.09.25
STATE OF OHIO
ELLIOTT
E-41185
REGISTERED
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

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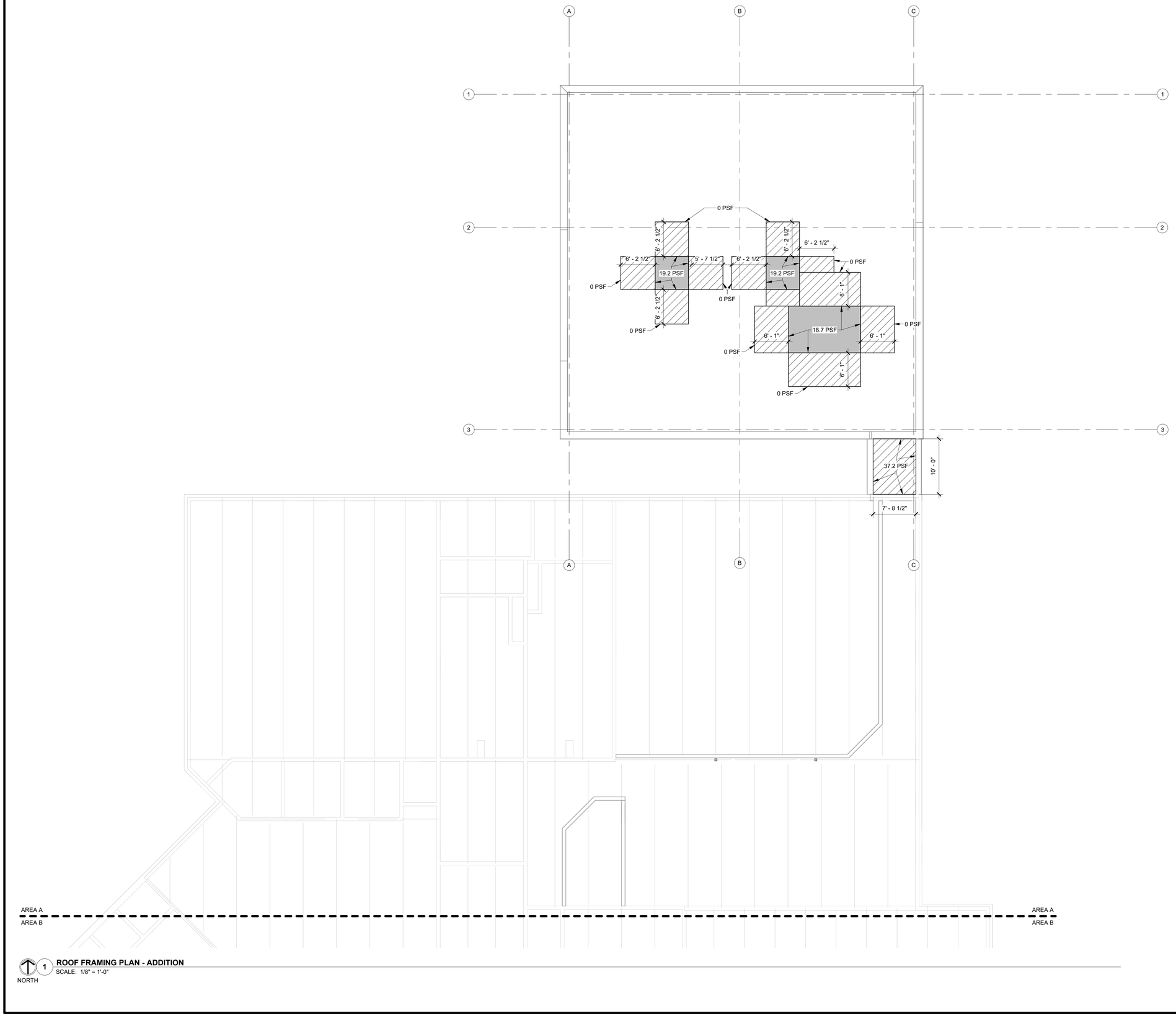
APPRVD: EGA
DATE: SEPTEMBER 25, 2026
PROJECT NUMBER 2421-4009-00

101 HOME RD
MORROW COUNTY MT GILEAD, OHIO 43338
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

COMPONENT AND CLADDING WIND LOADING DIAGRAMS

DRAWING NUMBER S7.1 STRUCTURAL

9/25/2026 6:05:31 PM



1 ROOF FRAMING PLAN - ADDITION
SCALE: 1/8" = 1'-0"

NORTH

PLAN NOTES

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S0.1 AND S0.2 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.

B. VERIFY THE EXACT LOCATION, DIMENSIONS, AND WEIGHT OF MECHANICAL UNITS WITH EQUIPMENT SUPPLIER.

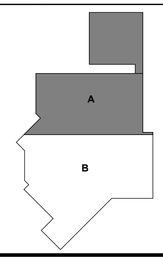
C. JOIST MANUFACTURER'S SSE SHALL DESIGN JOISTS FOR TOTAL AND LIVE LOADS INDICATED IN PLAN JOIST DESIGNATIONS. IN ADDITION TO JOIST DESIGNATION LOADS, THE JOIST MANUFACTURER'S SSE SHALL ADD SNOW DRIFT LOADING, EQUIPMENT LOADING, POINT LOADS, AND WIND LOADING AS SHOWN IN DOCUMENTS FOR JOIST ANALYSIS AND DESIGN.
   1. TYPICAL DEAD LOAD TO JOISTS EQUALS 25 PSF.
   2. TYPICAL ROOF LIVE LOAD TO JOISTS EQUALS 20 PSF.
   3. TYPICAL SNOW LOAD TO JOISTS EQUALS 22 PSF (ADD DRIFT LOADING PER DIAGRAM).
   4. WIND LOADS ARE PER S7.1 DIAGRAM.
   5. LOADS ARE SERVICE LEVEL AND SHALL BE COMBINED IN ACCORDANCE WITH ASCE 7-16 LOAD COMBINATIONS.

LEGEND

XX PSF — INDICATES AREA OF DRIFT SNOW LOAD

INDICATES ROOF OBSTRUCTION. APPLY DISTRIBUTED LOAD OF 60 PSF OVER THE FOOTPRINT OF THE EQUIPMENT.

KEYPLAN



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DLZ ARCHITECTURE, INC.

2026.09.25
ELLIOTT
E-41185
REGISTERED ARCHITECT

NO.	REVISION	DATE

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DATE: SEPTEMBER 25, 2026

PROJECT NUMBER 2421-4009-00

101 HOME RD MT GILEAD, OHIO 43338
MORROW COUNTY
CORRECTIONAL FACILITY ADDITION AND RENOVATIONS

DRAWING NUMBER S7.2

DRIFTED SNOW LOAD DIAGRAM

STRUCTURAL

9/25/2026 6:05:33 PM