owner:

BOARD OF CLARK COUNTY COMMISSIONERS

architect:

OREGON GROUP ARCHITECTS
ARCHITECTURE INTERIORS CODE CONSULTANTS

mechanical engineer:

TRI-TECH
Built On Integrity
ENGINEERING AND PROJECT MANAGEMENT

renovations to visitation building for:
clark county family services
525 e home road
springfield, ohio 45503

general notes

1. THE GENERAL NOTES CONTAINED HEREIN ARE PART OF THE PLANS AND SPECIFICATIONS AND ARE TO BE COMPLIED WITH IN ALL RESPECTS. MORE RESTRICTIVE NOTES SPECIFIED ELSWHERE ARE TO TAKE PRECEDENCE OVER THOSE LISTED BELOW.
2. THE CONTRACT DOCUMENTS INCLUDE THE WORKING DRAWINGS, ADDENDA, MODIFICATIONS, GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT AND SPECIFICATIONS.
3. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL CODES AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION. SUCH CODES AND REGULATIONS SHALL HAVE PRECEDENCE OVER THAT WHICH IS INDICATED ON THE CONSTRUCTION DOCUMENTS. IN CASES OF DISCREPANCIES, OMISSIONS, CHANGES IN THE CODES, OR CODE INTERPRETATIONS BY CODE OFFICIALS, WHICH CAUSE A CHANGE IN THE WORK, NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK AFFECTED BY THE CHANGE. CONTRACTOR SHALL PAY AND OBTAIN BUILDING PERMITS AND ALL NECESSARY APPROVALS. CONTRACTOR SHALL OBTAIN ALL APPROVALS AND PERMITS FOR CONSTRUCTION FROM THE AUTHORITY HAVING JURISDICTION, PRIOR TO COMMENCEMENT OF WORK, AT HIS OWN EXPENSE.
4. THE GENERAL CONTRACTOR SHALL PERFORM DEMOLITION WORK AS REQUIRED TO COMPLETE CONSTRUCTION DESCRIBED IN THE DOCUMENTS. BEFORE UNDERTAKING DEMOLITION, ALL SERVICES ARE TO BE MADE SAFE FOR DEMOLITION.
5. CONTRACTOR SHALL PROPERLY CLEAN UP DURING PROGRESS OF WORK. CONTRACTOR, UPON COMPLETION OF WORK, SHALL LEAVE PREMISES CLEAN, NEAT AND ORDERLY.
6. ALL WORK TO BE EXECUTED TO FULFILL THE INTENDED DESIGN ACCORDING TO ACCEPTED INDUSTRY STANDARDS FOR THEIR FULL FUNCTIONING AND OPERATION.
7. IF CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATIONS OR PRODUCTS, PROCEDURES, ETC., THE MORE STRINGENT DETAIL AND HIGHER QUALITY SHALL BE CONSIDERED THE INTENT OF THE CONTRACT DOCUMENTS. ARCHITECTS CONFORMATION IS REQUIRED.
8. THESE DOCUMENTS HAVE BEEN COMPILED WITH THE BEST AVAILABLE INFORMATION AND ARE NOT INTENDED TO LIMIT THE SCOPE OF WORK. THE CONTRACTOR MAY ENCOUNTER HIDDEN OR COVERED CONDITIONS, NOT INDICATED IN THE DOCUMENTS, REQUIRING ADDITIONAL WORK FOR THE COMPLETION OF THIS CONTRACT. IT WILL BE ASSUMED THAT THE CONTRACTOR HAS INSPECTED THE SITE PRIOR TO BIDDING AND VERIFIED ALL CONDITIONS, DIMENSIONS, AND OTHER INFORMATION HEREIN SUPPLIED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY UNEXPECTED FIELD CONDITIONS OR DISCREPANCIES PRIOR TO BEGINNING THEIR WORK.
9. ALL DIMENSIONS AND LAYOUTS SHALL BE FIELD COORDINATED BY THE CONTRACTOR WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS, ALL SHOP DRAWINGS AND EXISTING CONDITIONS. ANY INCONSISTENCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL RESOLVE AT NO COST TO THE OWNER AND TO THE SATISFACTION OF THE ARCHITECT, ANY AND ALL CONFLICTS BETWEEN THE WORK OF THE VARIOUS TRADES ARISING FROM ERRORS IN COORDINATION BETWEEN TRADES.
10. THE CONTRACTOR SHALL NOT SCALE DRAWINGS.
11. THE DRAWINGS AND SPECIFICATIONS, INCLUDING DRAWINGS PREPARED BY SPECIFIC ENGINEERING DISCIPLINES (SUCH AS CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, ETC.) ARE COMPLEMENTARY; ITEMS SHOWN IN ANY ONE LOCATION IN THE DRAWINGS SHALL BE CONSIDERED TO BE REQUIREMENTS OF THE CONTRACT FOR CONSTRUCTION. IN THE EVENT OF AN INCONSISTENCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT, THE CONTRACTOR SHALL SEEK CLARIFICATION OR INTERPRETATION FROM THE ARCHITECT PRIOR TO BIDDING. WHERE INCONSISTENCIES ARE NOT CLARIFIED PRIOR TO BIDDING, AND WHERE THE ACTUAL SOLUTION OR INTENT CANNOT BE REASONABLY INFERRED, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK.
12. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND VERIFY FIELD CONDITIONS AND SHALL CAREFULLY COMPARE SUCH FIELD MEASUREMENTS, CONDITIONS, AND OTHER INFORMATION KNOWN TO THE CONTRACTOR WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ACTIVITIES. ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED SHALL BE REPORTED TO THE ARCHITECT AT ONCE. NO ALLOWANCE WILL BE MADE ON BEHALF OF THE CONTRACTOR OR SUBCONTRACTORS FOR FAILURE TO VISIT THE SITE. USE OF THE WORD "VERIFY" POINTS OUT A SITUATION WHICH MUST BE CONFIRMED PRIOR TO PROCEEDING WITH THE WORK, FABRICATION OF EQUIPMENT, OR ORDERING MATERIAL. NOTIFY THE ARCHITECT OF ANY DISCREPANCY DISCOVERED.
13. ALL SUB-SURFACES SHALL BE PROPERLY PREPARED BEFORE APPLICATION OF FINISHES. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR SUBSTRATE CONDITIONS WHERE FINISHES ARE APPLIED.
14. BUILDING CONSTRUCTION INFILL OR WALLS, CEILINGS, ETC. SHALL MATCH EXISTING ADJACENT MATERIALS AND FINISHES UNLESS NOTED OTHERWISE.
15. BLOCKING SHALL BE PROVIDED IN WALLS WHERE MOUNTING ANCHORAGE WILL BE REQUIRED. LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO, OPEN AND CLOSED SHELVING, CABINETRY, COUNTERS, TOILET ACCESSORIES AND TRIM. ALL WOOD BLOCKING SHALL BE FIRE RETARDANT TREATED AS REQUIRED BY CODE AND FIRESTOPPED.
16. PENETRATIONS OF PIPES, TUBES, CONDUIT, WIRES, CABLES, DUCTS, VENTS, CABINETS, LIGHTING, AND OTHER FIXTURES THROUGH FIRE RATED ASSEMBLIES SHALL BE INSTALLED AND PROTECTED TO MAINTAIN FIRE RATING.
17. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR ALL FINISHED FLOOR SURFACES, EXISTING OR NEW, INCLUDING BUT NOT LIMITED TO, CERAMIC TILE, VINYL TILE, CONCRETE, ETC., THROUGHOUT THE CONSTRUCTION PERIOD.
18. ATTACHMENTS, CONNECTIONS OR FASTENINGS OF ANY NATURE ARE TO BE PROPERLY AND PERMANENTLY SECURED IN CONFORMANCE WITH BEST PRACTICE AND THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEM ACCORDINGLY TO SPECIFIC CONDITIONS. THE DRAWINGS PROVIDED SHOW ONLY SPECIAL CONDITIONS TO ASSIST THE CONTRACTOR. THE DRAWINGS DO NOT ILLUSTRATE EVERY SUCH DETAIL.
19. IF SPRINKLER SYSTEM WORK IS INCLUDED, THE WORK SHALL BE DESIGN/BUILD FOR THE SPRINKLER SYSTEM. CONTRACTORS ARE REQUIRED TO FINALIZE THE DESIGN OF THEIR RESPECTIVE SYSTEMS FOR FULL AND PROPER OPERATIONS ACCORDING TO THE APPLICABLE LAWS AND SPECIFICATIONS, IN ORDER TO SATISFY INTENDED FUNCTION AND DESIGN OF MECHANICAL AND ELECTRICAL DRAWINGS PROVIDED HERE. PROVIDE AND INSTALL ALL REQUIRED ELEMENTS OF THESE SYSTEMS FOR FULL OPERATION ACCORDING TO THE SPECIFICATIONS HEREIN AND IN ACCORDANCE WITH THE APPLICABLE CODES. PROVIDE DESIGN LAYOUTS AND EQUIPMENT SUBMITTALS TO ARCHITECT AND OWNER FOR REVIEW BEFORE ORDERING OR INSTALLATION. SYSTEMS DESIGN DRAWINGS, MANUFACTURERS PRODUCT SHEETS AND SHOP DRAWINGS FOR ALL REQUIRED SYSTEMS AND PRODUCTS ARE TO BE PROVIDED FOR ARCHITECT'S AND OWNER'S REVIEW. CONTRACTOR SHALL SUBMIT TO AUTHORITY HAVING JURISDICTION AS NECESSARY FOR APPLICABLE PERMITS.
20. DRAWINGS ARE PREPARED USING DIMENSIONS AND PRODUCT CONFIGURATIONS OR DETAILS OF SPECIFIC MANUFACTURERS. DIMENSIONS AND DETAILS FOR SPECIFIC PRODUCTS MAY CHANGE BEFORE THEY ARE ACTUALLY INCORPORATED INTO THE WORK, AND PRODUCTS BY OTHER MANUFACTURERS ARE ALSO ACCEPTABLE. THEREFORE, ACTUAL INSTALLATION DETAILS AND DIMENSIONS MAY DIFFER FROM THOSE SHOWN. CONTRACTOR SHALL VERIFY INSTALLATION REQUIREMENTS FOR ALL PRODUCTS TO BE INCORPORATED IN THE WORK (INCLUDING THICKNESSES FOR RECESSED OR SEMI-RECESSED PRODUCTS), AND IS RESPONSIBLE FOR ACCOMMODATING AND COORDINATING CHANGES TO OTHER MATERIALS OR PRODUCTS THAT ARE NECESSARY BECAUSE OF THESE DIFFERENCES.
21. THE CONTRACTOR SHALL CONTINUOUSLY CHECK ARCHITECTURAL AND STRUCTURAL CLEARANCES FOR ACCESSIBILITY OF EQUIPMENT, MECHANICAL, AND ELECTRICAL SYSTEMS. NO ALLOWANCE OF ANY KIND WILL BE MADE FOR THE CONTRACTOR'S NEGLIGENCE TO FORESEE MEANS OF INSTALLING EQUIPMENT INTO POSITION INSIDE STRUCTURES.
22. WITH REFERENCE TO CEILINGS, CONTRACTOR SHALL COORDINATE WITH ALL TRADES INVOLVED AND PREPARE COMPOSITE SHOP DRAWINGS TO ENSURE CLEARANCES FOR FIXTURES, DUCTS, CEILINGS, ETC. NECESSARY TO MAINTAIN THE SPECIFIED FINISH CEILING HEIGHT ABOVE THE FINISH FLOOR AS NOTED ON THE DRAWINGS. CLARIFY CONFLICTS WITH ARCHITECT.
23. NO WORK DEFECTIVE IN CONSTRUCTION OR QUALITY OR DEFICIENT IN ANY REQUIREMENTS OF DRAWINGS AND SPECIFICATIONS WILL BE ACCEPTABLE IN CONSEQUENCE OF OWNER'S OR ARCHITECTS FAILURE TO DISCOVER OR TO POINT OUT DEFECTS OR DEFICIENCIES DURING CONSTRUCTION. NOR WILL PRESENCE OF INSPECTORS ON SITE RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR SECURING QUALITY AND PROGRESS OF WORK AS REQUIRED BY CONTRACT. DEFECTIVE WORK REVEALED WITHIN REQUIRED TIME GUARANTEES SHALL BE REPLACED BY WORK CONFORMING WITH INTENT OF CONTRACT. NO PAYMENT, WHETHER PARTIAL OR FINAL, SHALL BE CONSTRUED AS AN ACCEPTANCE OF DEFECTIVE WORK OR IMPROPER MATERIALS.
24. MATERIALS AND WORKMANSHIP SPECIFIED BY REFERENCE TO NUMBER SYMBOL, OR TITLE OF A SPECIFICATION SUCH AS COMMERCIAL STANDARDS, FEDERAL SPECIFICATIONS, TRADE ASSOCIATION STANDARD, OR OTHER SIMILAR STANDARD, SHALL COMPLY WITH REQUIREMENTS IN LATEST EDITION OR REVISION THEREOF AND WITH ANY AMENDMENT OR SUPPLEMENT THERETO IN EFFECT ON DATE OF ORIGIN OF THIS PROJECT'S CONTRACT DOCUMENTS. SUCH REFERENCED STANDARD SHALL BECOME A PART OF THE CONTRACT DOCUMENTS AS THOUGH PRINTED HEREIN.
25. CONTRACTOR SHALL WAIVE "COMMON PRACTICE" AND "COMMON USAGE" AS CONSTRUCTION CRITERIA WHEREVER DETAILS AND CONTRACT DOCUMENTS OR GOVERNING CODES, ORDINANCES, ETC., REQUIRE GREATER QUANTITY OR BETTER QUALITY THAN COMMON PRACTICE OR COMMON USAGE WOULD REQUIRE.
26. CONTRACTOR SHALL ORDER AND SCHEDULE DELIVERY OF MATERIALS IN AMPLE TIME TO AVOID DELAYS IN CONSTRUCTION. IF AN ITEM IS FOUND TO BE UNAVAILABLE, CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY TO ALLOW THE ARCHITECT A REASONABLE AMOUNT OF TIME TO SELECT A SUITABLE SUBSTITUTE.
27. IF AT ANY TIME BEFORE COMMENCEMENT OF WORK, OR DURING PROGRESS THEREOF, CONTRACTOR'S METHODS, EQUIPMENT OR APPLIANCES ARE INEFFICIENT OR INAPPROPRIATE FOR SECURING QUALITY OF WORK OR RATE OF PROGRESS INTENDED BY CONTRACT DOCUMENTS, OWNERS MAY ORDER CONTRACTOR TO IMPROVE THEIR QUALITY OR INCREASE THEIR EFFICIENCY. THIS WILL NOT RELIEVE CONTRACTOR OR HIS SURETIES FROM THEIR OBLIGATIONS TO SECURE QUALITY OF WORK AND RATE OR PROGRESS SPECIFIED IN CONTRACT.
28. THE GENERAL CONTRACTOR SHALL PROVIDE ALL ACCESS PANELS (FIRE RATED AND SIZED AS REQUIRED), AT WALLS AND CEILINGS WHERE MECHANICAL, PLUMBING OR ELECTRICAL ACCESS IS NECESSARY PER CODE, OR AS REQUIRED FOR EQUIPMENT ACCESS AND MAINTENANCE. ARCHITECT TO APPROVE LOCATION AND SIZE OF ALL ACCESS PANELS NOT SHOWN ON DRAWINGS.

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alternates - reference specifications for additional detail

DEDUCT ALTERNATE #1
BIDDERS SHALL NAME IN THE SPACE PROVIDED IN THE BID FORM THE AMOUNT TO BE DEDUCTED FROM THE BASE BID OF THE GENERAL CONTRACT FOR FURNISHING ALL MATERIAL, LABOR, AND RELATED ITEMS TO DELETE ALL WORK ASSOCIATED WITH FURNISHING AND INSTALLING NEW ASPHALT SHINGLED ROOF, GUTTERS AND DOWNSPOUTS.

DEDUCT ALTERNATE #2
BIDDERS SHALL NAME IN THE SPACE PROVIDED IN THE BID FORM THE AMOUNT TO BE ADDED OR DEDUCTED FROM THE BASE BID OF THE GENERAL CONTRACT FOR FURNISHING ALL MATERIAL, LABOR, AND RELATED ITEMS TO DELETE ALL WORK IDENTIFIED IN THE BID DOCUMENTS FOR PROVIDING AND INSTALLING EXTERIOR DOORS #102, #103 AND #105.

DEDUCT ALTERNATE #3
BIDDERS SHALL NAME IN THE SPACE PROVIDED IN THE BID FORM THE AMOUNT TO BE ADDED OR DEDUCTED FROM THE BASE BID OF THE GENERAL CONTRACT FOR FURNISHING ALL MATERIAL, LABOR, AND RELATED ITEMS TO DELETE ALL WORK IDENTIFIED IN THE BID DOCUMENTS FOR THE OUTDOOR PLAY STRUCTURE AND GROUND COVER.

DEDUCT ALTERNATE #4
BIDDERS SHALL NAME IN THE SPACE PROVIDED IN THE BID FORM THE AMOUNT TO BE ADDED OR DEDUCTED FROM THE BASE BID OF THE GENERAL CONTRACT FOR FURNISHING ALL MATERIAL, LABOR, AND RELATED ITEMS TO DELETE ALL WORK IDENTIFIED IN THE BID DOCUMENTS FOR WINDOW SHADES.

DEDUCT ALTERNATE #5
BIDDERS SHALL NAME IN THE SPACE PROVIDED IN THE BID FORM THE AMOUNT TO BE ADDED OR DEDUCTED FROM THE BASE BID OF THE GENERAL CONTRACT FOR FURNISHING ALL MATERIAL, LABOR, AND RELATED ITEMS TO DELETE ALL WORK IDENTIFIED IN THE BID DOCUMENTS FOR INTERIOR LED LIGHTING

DEDUCT ALTERNATE #6
BIDDERS SHALL NAME IN THE SPACE PROVIDED IN THE BID FORM THE AMOUNT TO BE ADDED OR DEDUCTED FROM THE BASE BID OF THE GENERAL CONTRACT FOR FURNISHING ALL MATERIAL, LABOR, AND RELATED ITEMS TO DELETE ALL WORK IDENTIFIED IN THE BID DOCUMENTS FOR REPLACEMENT OF ELECTRICAL RECEPTACLES WITH TAMPER RESISTANT.

DEDUCT ALTERNATE #7
BIDDERS SHALL NAME IN THE SPACE PROVIDED IN THE BID FORM THE AMOUNT TO BE ADDED OR DEDUCTED FROM THE BASE BID OF THE GENERAL CONTRACT FOR FURNISHING ALL MATERIAL, LABOR, AND RELATED ITEMS TO DELETE ALL WORK IDENTIFIED IN THE BID DOCUMENTS FOR PORTICO ADDITION, SEE SHEET A3.2.

code notes

APPLICABLE CODES:
- 2024 OHIO EXISTING BUILDING CODE
- ASHRAE 90.1-2019 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS
- ICC A117.1 - 2017 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- 2021 IECC INTERNATIONAL ENERGY CONSERVATION CODE
- 2021 INTERNATIONAL FUEL-GAS CODE
- 2025 NFPA 13 STANDARD OF THE INSTALLATION OF SPRINKLER SYSTEMS
- 2023 NFPA 70 NATIONAL ELECTRICAL CODE
- 2022 NFPA 72 NATIONAL FIRE ALARM CODE
- 2024 OHIO MECHANICAL CODE
- 2024 OHIO PLUMBING CODE
- 2025 OHIO FIRE CODE

EXISTING AND PROPOSED BUILDING USE IS AS A VISITATION CENTER FOR SUPERVISED PARENT/GUARDIAN-CHILD VISITS. THERE IS NO PROPOSED CHANGE OF USE OR INCREASE IN OCCUPANT LOAD FOR THE BUILDING.

THE 'PRESCRIPTIVE COMPLIANCE METHOD' WILL BE APPLIED TO THESE ALTERATIONS.

EXISTING FIRE ALARM SYSTEM TO REMAIN.

NUMBER OF EXITS, EXIT CAPACITY AND REMOTENESS WILL MEET REQUIREMENTS OF OBC CHAPTER 10.

PROPOSED USE - BUSINESS (2024 OBC):
PROPOSED USE: B - CHILD SERVICES VISITATION CENTER. USE SIMILAR TO A DOCTOR'S OFFICE, WITH SHORT VISITS FOR CHILDREN AND GUARDIANS.
CONSTRUCTION TYPE: VB
EXISTING SF: 3,250
NON-SUPPRESSED.
NO CHANGE IN BUILDING AREA, HEIGHT OF OCCUPANT LOAD.

OCCUPANT LOAD (OBC 1004):
OFFICE + VISITATION AREAS = 2,834 SF / 150* GROSS OCCUPANT LOAD FACTOR = 19 PERSONS
MECH. / STORAGE = 233 SF / 300 = 1 PERSON
TOTAL = 20 PERSONS

2024 OBC CHAPTERS 5, 6, 7, 9, 10 AND 12:
TABLE 601:
FIRE RESISTANCE RATING FOR BUILDING ELEMENTS.
TYPE VB CONST.
STRUCT. FRAME - 0 HR.
EXTERIOR BEARING WALL - 0 HR.
INTERIOR BEARING WALL INTERIOR - 0 HR.
EXTERIOR WALLS BASE ON SEPARATION DISTANCE: >30' = 0 HR.
NONBEARING INTERIOR WALLS - 0 HR.
FLOOR CONSTRUCTION - 0 HR.
ROOF CONSTRUCTION - 0 HR.

TABLE 1071.3.1: FIRE BARRIERS = 2 HR.

OBC SECTION 906 PORTABLE FIRE EXTINGUISHERS: ONE 5ABC PER FLOOR IF WITHIN 75' TRAVEL RADIUS.

SECTION 1005 MEANS OF EGRESS SIZING:
OTHER EGRESS COMPONENTS: 20 OCCUPANT LOAD X 0.2" PER PERSON = 4 INCHES.

SECTION 1006 NUMBER OF EXITS: TWO EXITS REQUIRED.

1110: ACCESSIBLE SIGNAGE REQUIRED AT ACCESSIBLE ENTRANCES WHERE NOT ALL ENTRANCES ARE ACCESSIBLE.

1013.4: TACTILE EXIT SIGNS AT EXIT DOORS.

TABLE 1020.2 CORRIDOR FIRE RESISTANCE RATING: B USE = OCCUPANT LOAD SERVED <30: 0 HOUR.

SECTION 1020 CORRIDORS: MIN. CORRIDOR WIDTH: 36" IF OCCUPANT LOAD <50 PERSONS.

OBC CHAPTER 29 PLUMBING FIXTURES:
BUSINESS USE:
WATER CLOSETS: 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50 = 1 WATER CLOSETS
LAVATORIES: 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80 = 1 LAVATORY
DRINKING FOUNTAINS: 1 PER 100 = 1
SERVICE SINK = 1

2024 OHIO EXISTING BUILDING CODE:
CHOOSING PRESCRIPTIVE COMPLIANCE METHOD. CHAPTERS 3 AND 5.

CHAPTER 3: PROVISIONS FOR ALL COMPLIANCE METHODS

ACCESSIBILITY OF EXISTING BUILDINGS

301.3.1 PRESCRIPTIVE COMPLIANCE METHOD
ALTERATIONS, ADDITIONS, AND CHANGES OF OCCUPANCY COMPLYING WITH SECTIONS 302 THROUGH 308 AND CHAPTER 5 OF THIS CODE ARE TO BE CONSIDERED IN COMPLIANCE WITH THE PROVISIONS OF THIS CODE.

306.7 ALTERATIONS: A FACILITY THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CHAPTER 11 ON THE BUILDING CODE, ICC A117.1 AND THE PROVISIONS OF SECTION 306.7.1 THROUGH 306.7.16, UNLESS TECHNICALLY INFEASIBLE. WHERE TECHNICALLY INFEASIBLE, THE ALTERATION SHALL PROVIDE ACCESS TO THE MAXIMUM EXTENT TECHNICALLY FEASIBLE.

306.7.1 ALTERATIONS AFFECTING AN AREA CONTAINING A PRIMARY FUNCTION: WHERE AN ALTERATION AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF PRIMARY FUNCTION, THE ROUTE TO THE PRIMARY FUNCTION AREA SHALL BE ACCESSIBLE. THE ACCESSIBLE ROUTE TO THE PRIMARY FUNCTION AREA SHALL INCLUDE TOILET FACILITIES AND DRINKING FOUNTAINS SERVING THE AREA OF PRIMARY FUNCTION.

EXCEPTIONS:
1. THE COSTS OF PROVIDING THE ACCESSIBLE ROUTE ARE NOT REQUIRED TO EXCEED 20 PERCENT OF THE COSTS OF THE ALTERATIONS AFFECTING THE AREA OF PRIMARY FUNCTION. THE DETERMINATION OF DISPROPORTIONALITY AND THE CONDITIONS FOR APPLYING THIS EXCEPTION ARE TO BE IN ACCORDANCE WITH SECTION 306.7.1.1.
2. THIS PROVISION DOES NOT APPLY TO ALTERATIONS LIMITED SOLELY TO WINDOWS, HARDWARE, OPERATING CONTROLS, ELECTRICAL OUTLETS AND SIGNS.
3. THIS PROVISION DOES NOT APPLY TO ALTERATIONS LIMITED SOLELY TO MECHANICAL SYSTEMS, ELECTRICAL SYSTEMS, INSTALLATION OR ALTERATION OF FIRE PROTECTION SYSTEMS AND ABATEMENT OF HAZARDOUS MATERIALS.
4. THIS PROVISION DOES NOT APPLY TO ALTERATIONS UNDERTAKEN FOR THE PRIMARY PURPOSE OF INCREASING THE ACCESSIBILITY OF A FACILITY.
5. THIS PROVISION DOES NOT APPLY TO ALTERED AREAS LIMITED TO TYPE B DWELLING AND SLEEPING UNITS.

CHAPTER 5: PRESCRIPTIVE COMPLIANCE METHOD

501.1.2 GENERAL PROVISIONS
WHEN USING THE PRESCRIPTIVE COMPLIANCE METHOD, EXISTING BUILDINGS IN WHICH THERE IS WORK INVOLVING ADDITIONS, ALTERATIONS OR CHANGES OF OCCUPANCY ARE TO CONFORM TO THE REQUIREMENTS OF THIS CHAPTER AND THE GENERAL PROVISIONS OF THIS CODE FOUND IN SECTIONS 302 THROUGH 309.

abbreviations

+/-	PLUS OR MINUS	CT	CERAMIC TILE	N/A	NOT APPLICABLE
A/C	AIR CONDITIONING	DF	DRINKING FOUNTAIN	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	DIA	DIAMETER	P.T.	PRESSURE TREATED
ADJ	ADJACENT	DS	DOWNSPOUT	P.V.	PLUMBING VENT
ATC	ACOUSTICAL TILE CEILING	EF	EXHAUST FAN	PL	PROPERTY LINE
B	BASE CABINET (B24, B30)	ELEC	ELECTRIC	REQD	REQUIRED
BGB	BLIND BASE CABINET	EXIST	EXISTING	RMV	REMOVE
BD	BOARD	ETR	EXISTING TO REMAIN	RPL	REPLACE
BLDG	BUILDING	FE	FIRE EXTINGUISHER	REV.	REVERSE
BLKG	BLOCKING	FF	FINISHED FLOOR	SB	SPLASH BLOCK
BRG	BEARING	FIN	FINISH	SBC	SINK BASE CABINET
BS	BACKSPLASH	FIN FLR	FINISHED FLOOR	S.C.	SOLID CORE
BWC	BLIND WALL CABINET	FTG	FOOTING	SM	SHEET METAL
CAB	CABINET	FURN	FURNACE	SP	SPACE
CERM	CERAMIC	F.V	FIELD VERIFY	SPM	SINGLE PLY MEMBRANE
CI	CAST IRON	GA	GAUGE	S.S.	STAINLESS STEEL
CIP	CAST IN PLACE	GB	GYPSUM BOARD	TYP.	TYPICAL
CIR	CIRCUIT	GWB	GYPSUM WALL BOARD	V	VENT
CJ	CONTROL JOINT	GYP	GYPSUM	VB	VAPOR BARRIER
CL	CENTER LINE	H.C.	HOLLOW CORE	VCT	VINYL COMPOSITION TILE
CLG	CEILING	HM	HOLLOW METAL	W	WITH
CMU	CONCRETE MASONRY UNIT	MAS.	MASONRY	WC	WALL CABINET
CONC	CONCRETE	M.O.	MASONRY OPENING	WD	WOOD
CPT	CARPET	MIRR	MIRROR	U.N.O.	UNLESS NOTED OTHERWISE

applicable codes

2024 OHIO EXISTING BUILDING CODE

ASHRAE 90.1-2019 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS

ICC A117.1 - 2017 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

2021 IECC INTERNATIONAL ENERGY CONSERVATION CODE

2021 INTERNATIONAL FUEL-GAS CODE

2025 NFPA 13 STANDARD OF THE INSTALLATION OF SPRINKLER SYSTEMS

2023 NFPA 70 NATIONAL ELECTRICAL CODE

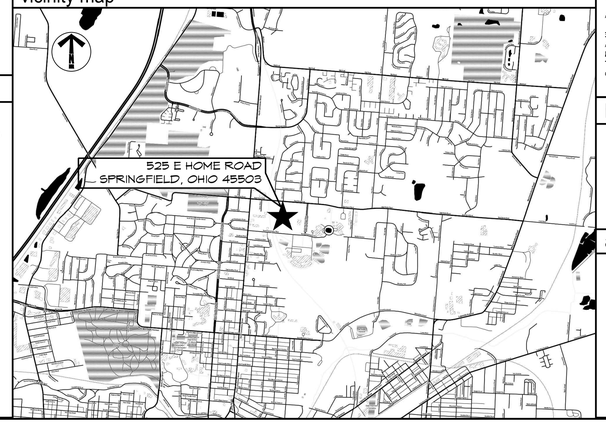
2022 NFPA 72 NATIONAL FIRE ALARM CODE

2024 OHIO MECHANICAL CODE

2024 OHIO PLUMBING CODE

2025 OHIO FIRE CODE

vicinity map



hazardous materials

THE EXISTING BUILDING HAS BEEN TESTED FOR HAZARDOUS MATERIALS INCLUDING ASBESTOS. DUE TO THE AGE OF THE BUILDING IT SHOULD BE ASSUMED THE BUILDING CONTAINS LEAD BASED PAINT. ALL HAZARDOUS MATERIALS SHALL BE DISPOSED OF IN COMPLIANCE WITH REGULATING AUTHORITIES. THE CONTRACTOR SHALL REFER TO THE SPECIFICATION MANUAL FOR INFORMATION AND REQUIREMENTS RELATED TO HAZARDOUS MATERIALS ABATEMENT AND WORKING WITH LEAD BASED PAINT. SEE SPECIFICATIONS FOR HAZARDOUS MATERIALS REPORTS. BECAUSE THIS IS A CHILD-OCCUPIED FACILITY, ANY CONTRACTOR WHO REPLACES DOORS OR WINDOWS, OR WHO DISTURBS PAINTED SURFACES, MUST BE CERTIFIED AS A LEAD-SAFE RENOVATOR UNDER THE EPA'S RENOVATION, REPAIR AND PAINTING (RRP) PROGRAM.

accessibility requirements

CODE:
OHIO ACCESSIBILITY CODE 2017

ALL PRODUCTS, MATERIALS AND INSTALLATIONS SHALL MEET ADA REQUIREMENTS FOR ACCESSIBILITY IN ACCORDANCE WITH ANSI A117.1, 2017 AND THE OHIO ACCESSIBILITY CODE 2017.

CONTRACTOR SHALL VERIFY THAT PRODUCTS PROVIDED ARE IN FULL COMPLIANCE WITH THE REQUIREMENTS FOR THE PRODUCT AND THE INSTALLATION.

issued
BID DOCUMENTS
revised

STATE OF OHIO
KYLE D. ZEPERNICK
No. 10884
REGISTERED ARCHITECT
Kyle Zepernick, License #10884
Expiration Date 12-31-27

THESE DRAWINGS AND SPECIFICATIONS, THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF THE OREGON GROUP ARCHITECTS, INC. THEY ARE TO BE RETURNED TO THE ARCHITECT UPON REQUEST AND ARE NOT TO BE USED OR LOANED TO ANYONE ELSE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OREGON GROUP ARCHITECTS, INC. 2025.

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renovations to visitation building for:
clark county family services
525 e home road
springfield, ohio 45503

title sheet

project number
251429
date
9/10/2026
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KDZ

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T1.1

FLOOR SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
CHANGES IN LEVEL SHALL COMPLY WITH SECTION 303.

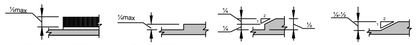


FIG. 302.2 CARPET ON FLOOR SURFACES | FIG. 303.2 VERTICAL CHANGE IN LEVEL | FIG. 303.3 (A) VERTICAL CHANGE IN LEVEL | FIG. 303.3 (B) VERTICAL CHANGE IN LEVEL

NEW BUILDINGS AND FACILITIES

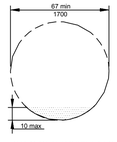


FIG. 304.3.1.1 CIRCULAR TURNING SPACE -NEW BLDGS. SIZE AND OVERLAP

OVERLAP OF KNEE AND TOE CLEARANCE

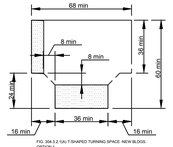


FIG. 304.3.2 1(A) T-SHAPED TURNING SPACE -NEW BLDGS. OPTION 1

FIG. 304.3.2.1 T-SHAPED TURNING SPACE -NEW BLDGS. OVERLAP

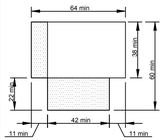


FIG. 304.3.2.1(B) T-SHAPED TURNING SPACE -NEW BLDGS. OPTION 2

FIG. 304.3.2.1 T-SHAPED TURNING SPACE -NEW BLDGS. OVERLAP

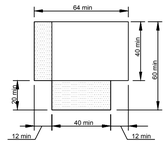


FIG. 304.3.2.1(C) T-SHAPED TURNING SPACE -NEW BLDGS. OPTION 3

FIG. 304.3.2.1 T-SHAPED TURNING SPACE -NEW BLDGS. OVERLAP

EXISTING BUILDINGS AND FACILITIES

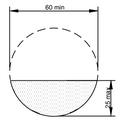


FIG. 304.3.1.2 CIRCULAR TURNING SPACE -EXIST. BLDGS. SIZE AND OVERLAP

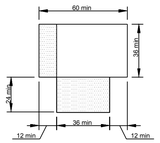


FIG. 304.3.2.2 1(A) T-SHAPED TURNING SPACE -EXIST. BLDGS. SIZE AND OVERLAP

FIG. 304.3.2.1 T-SHAPED TURNING SPACE -EXIST. BLDGS. OVERLAP

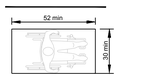


FIG. 305.3.1 SIZE OF CLEAR FLOOR SPACE -NEW BLDGS.

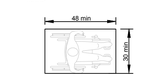


FIG. 305.3.2 SIZE OF CLEAR FLOOR SPACE -EXIST. BLDGS.

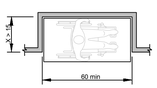


FIG. 305.7.1 MANEUVERING CLEARANCE IN AN ALCOVE PARALLEL APPROACH

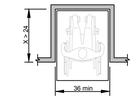


FIG. 305.7.2 MANEUVERING CLEARANCE IN AN ALCOVE FORWARD APPROACH

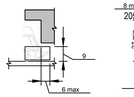


FIG. 306.2(A) TOE CLEARANCE ELEVATION

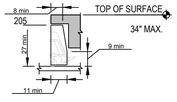


FIG. 306.3(A) KNEE CLEARANCE ELEVATION

TOP OF SINKS, LAVATORIES, TABLES, COUNTERS & WORKING SURFACES

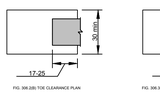


FIG. 306.2(B) TOE CLEARANCE PLAN

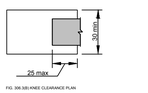


FIG. 306.3(B) KNEE CLEARANCE PLAN

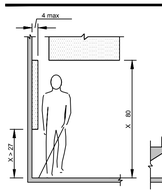


FIG. 307.2 LIMITS OF PROTRUDING OBJECTS

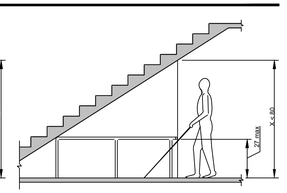


FIG. 307.4 REDUCED VERTICAL CLEARANCE

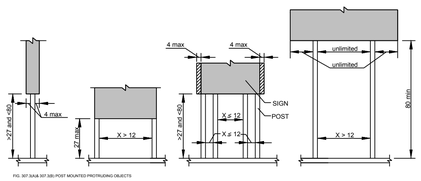


FIG. 307.3(A)& 307.3(B) POST MOUNTED PROTRUDING OBJECTS

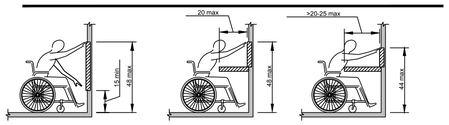


FIG. 308.2.1 UNOBSTRUCTED FORWARD REACH | FIG. 308.2.2 OBSTRUCTED HIGH FORWARD REACH

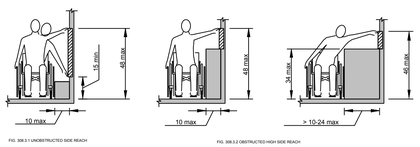


FIG. 308.3.1 UNOBSTRUCTED SIDE REACH | FIG. 308.3.2 OBSTRUCTED HIGH SIDE REACH

OPERABLE PARTS SHALL COMPLY WITH SECTION 309.
EXCEPTIONS:

1. RECEPTACLE OUTLETS SERVING A DEDICATED USE.
2. WHERE TWO OR MORE RECEPTACLE OUTLETS ARE PROVIDED IN A KITCHEN ABOVE A LENGTH OF COUNTERTOP THAT IS UNINTERRUPTED BY A SINK OR APPLIANCE, ONE RECEPTACLE OUTLET SHALL NOT BE REQUIRED TO COMPLY WITH THIS SECTION.
3. IN A KITCHEN, WHERE A CLEAR FLOOR SPACE FOR A PARALLEL APPROACH CANNOT BE LOCATED AT A COUNTERTOP IN A CORNER BENEATH APPLIANCES, RECEPTACLE OUTLETS OVER THE COUNTERTOP SHALL NOT BE REQUIRED TO COMPLY WITH THIS SECTION PROVIDED THAT THE COUNTERTOP AREA DOES NOT EXCEED 9 SQUARE FEET MAXIMUM.
4. FLOOR RECEPTACLE OUTLETS.
5. HVAC DIFFUSERS.
6. CONTROLS MOUNTED ON CEILING FANS.
7. WHERE REDUNDANT CONTROLS OTHER THAN LIGHT SWITCHES ARE PROVIDED FOR A SINGLE ELEMENT, ONE CONTROL IN EACH SPACE SHALL NOT BE REQUIRED TO COMPLY WITH THIS SECTION.
8. RESET BUTTONS AND SHUT-OFFS SERVING APPLIANCES, PIPING AND PLUMBING FIXTURES.
9. ELECTRICAL PANELBOARDS SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 309.4
10. EMERGENCY AID DEVICES, SUCH AS FIRE DEPARTMENT HOSE CONNECTIONS, VALVE CONTROLS, GAUGES, POLICE CALL BOXES AND ANNUNCIATOR PANELS SHALL NOT BE REQUIRED TO COMPLY WITH THIS SECTION PROVIDED THAT THEY ARE USED ONLY FOR EMERGENCIES BY EMERGENCY PERSONNEL ACTING IN THEIR OFFICIAL CAPACITY.

ACCESSIBLE ROUTES SHALL COMPLY WITH SECTION 402.
ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20, DOORS AND DOORWAYS, GATES, RAMPS, CURB RAMPS EXCLUDING FLARED SIDES, BLENDED TRANSITIONS, ELEVATORS AND PLATFORM LIFTS. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE PORTIONS OF THIS STANDARD.

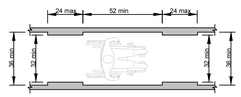


FIG. 403.5.1(A) CLEAR WIDTH OF ACCESSIBLE ROUTE -NEW BLDGS. -INTERIOR

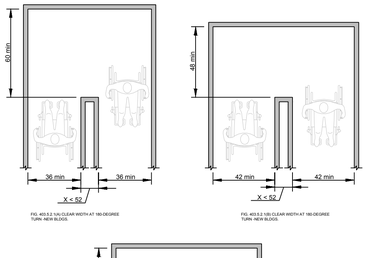


FIG. 403.5.2 1(A) CLEAR WIDTH AT 180-DEGREE TURN -NEW BLDGS. | FIG. 403.5.2 1(B) CLEAR WIDTH AT 180-DEGREE TURN -NEW BLDGS.

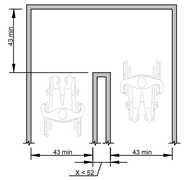


FIG. 403.5.2 1(C) CLEAR WIDTH AT 180-DEGREE TURN -NEW BLDGS.

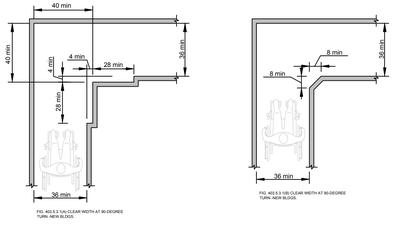


FIG. 403.5.3 1(A) CLEAR WIDTH AT 90-DEGREE TURN -NEW BLDGS. | FIG. 403.5.3 1(B) CLEAR WIDTH AT 90-DEGREE TURN -NEW BLDGS.

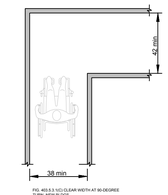


FIG. 403.5.1(C) CLEAR WIDTH AT 90-DEGREE TURN -NEW BLDGS.

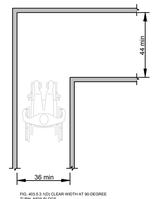


FIG. 403.5.1(D) CLEAR WIDTH AT 90-DEGREE TURN -NEW BLDGS.

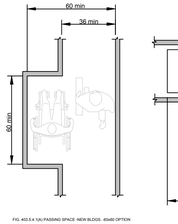


FIG. 403.5.4.1(A) PASSING SPACE -NEW BLDGS. -60x60 OPTION

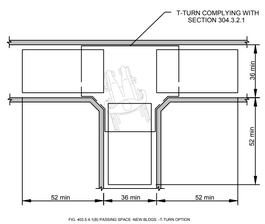


FIG. 403.5.4.1(B) PASSING SPACE -NEW BLDGS. -T-TURN OPTION

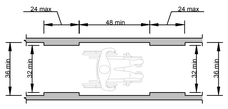


FIG. 403.5.1(A) CLEAR WIDTH OF ACCESSIBLE ROUTE -EXIST. BLDGS. -INTERIOR

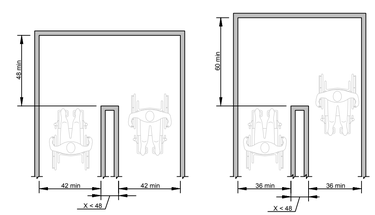


FIG. 403.5.2.2(A) CLEAR WIDTH AT 180-DEGREE TURN -EXIST. BLDGS. -INTERIOR | FIG. 403.5.2 1(A) CLEAR WIDTH AT 180-DEGREE TURN -NEW BLDGS. -INTERIOR

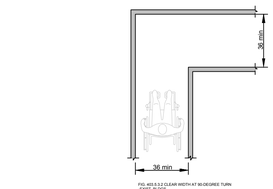


FIG. 403.5.2 1(A) CLEAR WIDTH AT 90-DEGREE TURN -EXIST. BLDGS.

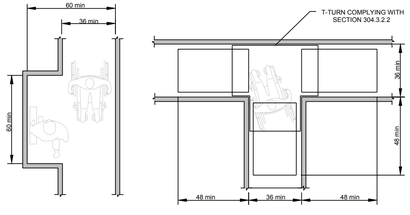


FIG. 403.5.4.2(A) PASSING SPACE -EXIST. BLDGS. -60x60 OPTION | FIG. 403.5.4.2(B) PASSING SPACE -EXIST. BLDGS. -T-TURN OPTION

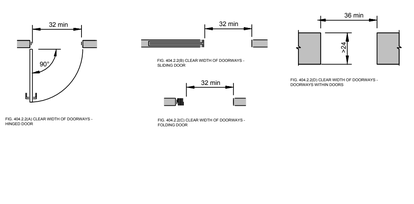


FIG. 404.2.2(A) CLEAR WIDTH OF DOORWAYS - HINGED DOOR | FIG. 404.2.2(B) CLEAR WIDTH OF DOORWAYS - SLIDING DOOR | FIG. 404.2.2(C) CLEAR WIDTH OF DOORWAYS - FOLDING DOOR | FIG. 404.2.2(D) CLEAR WIDTH OF DOORWAYS - DOORWAYS WITHIN DOORS

* IF BOTH CLOSER AND LATCH ARE PROVIDED

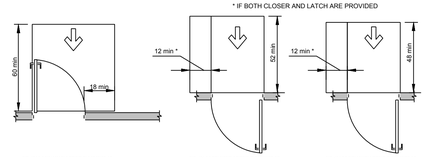


FIG. 404.2.3.2(A) MANEUVERING CLEARANCE AT MANUAL SWING DOORS - FRONT APPROACH, PULL SIDE | FIG. 404.2.3.2(B) MANEUVERING CLEARANCE AT MANUAL SWING DOORS - FRONT APPROACH, PULL SIDE -NEW BLDGS. | FIG. 404.2.3.2(C) MANEUVERING CLEARANCE AT MANUAL SWING DOORS - FRONT APPROACH, PULL SIDE -EXIST. BLDGS.

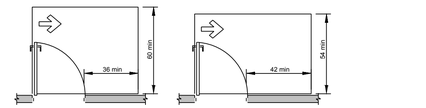


FIG. 404.2.3.2(D) MANEUVERING CLEARANCE AT MANUAL SWING DOORS - HINGE APPROACH, PULL SIDE | FIG. 404.2.3.2(E) MANEUVERING CLEARANCE AT MANUAL SWING DOORS - HINGE APPROACH, PULL SIDE

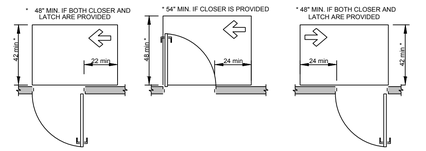


FIG. 404.2.3.2(F) MANEUVERING CLEARANCE AT MANUAL SWING DOORS - HINGE APPROACH, PUSH SIDE | FIG. 404.2.3.2(G) MANEUVERING CLEARANCE AT MANUAL SWING DOORS - LATCH APPROACH, PULL SIDE | FIG. 404.2.3.2(H) MANEUVERING CLEARANCE AT MANUAL SWING DOORS - LATCH APPROACH, PUSH SIDE

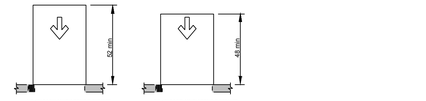


FIG. 404.2.3.3(A) MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS - FRONT APPROACH -NEW BLDGS. | FIG. 404.2.3.3(B) MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS - FRONT APPROACH -EXIST. BLDGS.

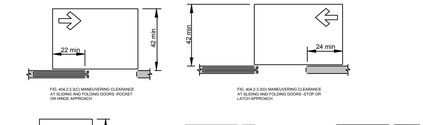


FIG. 404.2.3.5(C) MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS -POCKET OR HINGE APPROACH | FIG. 404.2.3.5(D) MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS -STOP OR LATCH APPROACH

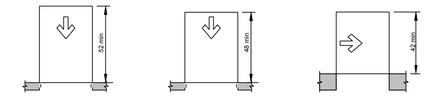


FIG. 404.2.4.4(A) MANEUVERING CLEARANCE FOR DOORWAYS W/O DOORS OR GATES - FRONT APPROACH -NEW BLDGS. | FIG. 404.2.4.4(B) MANEUVERING CLEARANCE FOR DOORWAYS W/O DOORS OR GATES - FRONT APPROACH -EXIST. BLDGS. | FIG. 404.2.4.4(C) MANEUVERING CLEARANCE FOR DOORWAYS W/O DOORS OR GATES - SIDE APPROACH

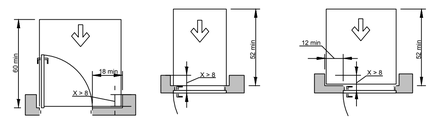


FIG. 404.2.5(A) RECESSED DOORS AND GATES -PULL SIDE -NEW BLDGS. | FIG. 404.2.5(B) RECESSED DOORS AND GATES -PUSH SIDE -NEW BLDGS. | FIG. 404.2.5(C) RECESSED DOORS AND GATES -PUSH SIDE (DOORS PROVIDED WITH BOTH CLOSER AND LATCH) -NEW BLDGS.

FIG. 404.2.5(D) RECESSED DOORS AND GATES -PULL SIDE -EXIST. BLDGS. | FIG. 404.2.5(E) RECESSED DOORS AND GATES -PUSH SIDE -EXIST. BLDGS. | FIG. 404.2.5(F) RECESSED DOORS AND GATES -PUSH SIDE (DOORS PROVIDED WITH BOTH CLOSER AND LATCH) -EXIST. BLDGS.

FIG. 404.2.5(A) TWO DOORS OR GATES IN A SERIES -NEW BLDGS. | FIG. 404.2.5(B) TWO DOORS OR GATES IN A SERIES -NEW BLDGS. | FIG. 404.2.5(C) TWO DOORS OR GATES IN A SERIES -NEW BLDGS.

FIG. 404.2.5(D) TWO DOORS OR GATES IN A SERIES -EXIST. BLDGS. | FIG. 404.2.5(E) TWO DOORS OR GATES IN A SERIES -EXIST. BLDGS. | FIG. 404.2.5(F) TWO DOORS OR GATES IN A SERIES -EXIST. BLDGS.

FIG. 703.3.5 CHARACTER HEIGHT

FIG. 703.3.10 RAISED HEIGHT OF CHARACTERS ABOVE FLOOR
NOTE: FOR BRAILLE CHARACTER MOUNTING HEIGHTS SEE SECTION 703.4.5.

FIG. 703.3.11 LOCATION OF SIGNS AT DOORS

FIG. 703.4.4 POSITION OF BRAILLE

FIG. 703.4.5 RAISED HEIGHT OF BRAILLE CHARACTERS ABOVE FLOOR
NOTE: FOR RAISED CHARACTER MOUNTING HEIGHTS SEE SECTION 703.3.10

FIG. 703.5 PICTOGRAM FIELD

FIG. 703.6.3.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY

FIG. 802.3(A) WIDTH OF WHEELCHAIR SPACE IN ASSEMBLY AREA -SINGLE SPACE

FIG. 802.4(B) DEPTH OF WHEELCHAIR SPACE IN ASSEMBLY AREA -FRONT OR REAR ACCESS -NEW BLDGS.

FIG. 802.4(B) DEPTH OF WHEELCHAIR SPACE IN ASSEMBLY AREA -FRONT OR REAR ACCESS -EXIST. BLDGS.

FIG. 802.4(C) DEPTH OF WHEELCHAIR SPACE IN ASSEMBLY AREA -SIDE ACCESS -NEW AND EXIST. BLDGS.

904.3 -SALES AND SERVICE COUNTERS AND WINDOWS SHALL COMPLY WITH SECTION 904.3.1 AND EITHER 904.3.2 OR 9.4.3.3. WHERE COUNTERS ARE PROVIDED, THE ACCESSIBLE PORTION OF THE COUNTERTOP SHALL EXTEND THE SAME DEPTH AS THE PUBLIC PORTION OF THE SALES AN SERVICE COUNTERTOP PROVIDED FOR STANDING CUSTOMERS.EXCEPTIONS:

1. ALTERATIONS, WHEN THE PROVISION OF A COUNTER COMPLYING WITH THIS SECTION WOULD RESULT IN A REDUCTION OF THE NUMBER OF EXISTING COUNTERS AT WORKS STATIONS OR A REDUCTION OF THE NUMBER OF EXISTING MAIL BOXES, THE COUNTER SHALL BE PERMITTED TO HAVE A PORTION WHICH IS 24 INCHES MINIMUM IN LENGTH COMPLYING WITH SECTION 904.3.2 PROVIDED THAT THE REQUIREDCLEAR FLOOR SPACE IS CENTERED ON THE ACCESSIBLE LENGTH OF THE COUNTER.

FIG. 904.3(A) SALES AND SERVICE COUNTERS - CROSS SECTION

* HT. AT COUNTER PARALLEL APPROACH
** HT. AT COUNTER FORWARD APPROACH

FIG. 904.3(B) SALES AND SERVICE COUNTERS -ELEVATION

FIG. 904.4.2 HEIGHT OF CHECKOUT COUNTERS

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renovations to visitation building for:
clark county family services
525 e home road
springfield, ohio 45503

ada information

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T1.2

EXISTING POWER POLE AND TRANSFORMER, SEE ELECTRICAL DRAWINGS

OWNER TO TRIM TREES AROUND POWER POLE AS NECESSARY, COORDINATE WORK WITH OWNER.

EXISTING TREE LINE

NHP BUILDING

TRAINING BUILDING

GYMNASIUM BUILDING

VISITATION BUILDING

VAN

VAN

2 / C1.2

1 / C1.2

18'-0"

9'-4"

8'-0"

EXISTING HANDICAPPED SPACE AND ACCESS AISLE

(5) SPACES MAY BE USED FOR CONTRACTOR PARKING DURING CONSTRUCTION

AREA OF WORK

CONTRACTOR LAYDOWN AREA

PARKING SPACE COUNT:
45 TOTAL SPACES
4 H.C. SPACES

existing site plan
1/16" = 1'-0"

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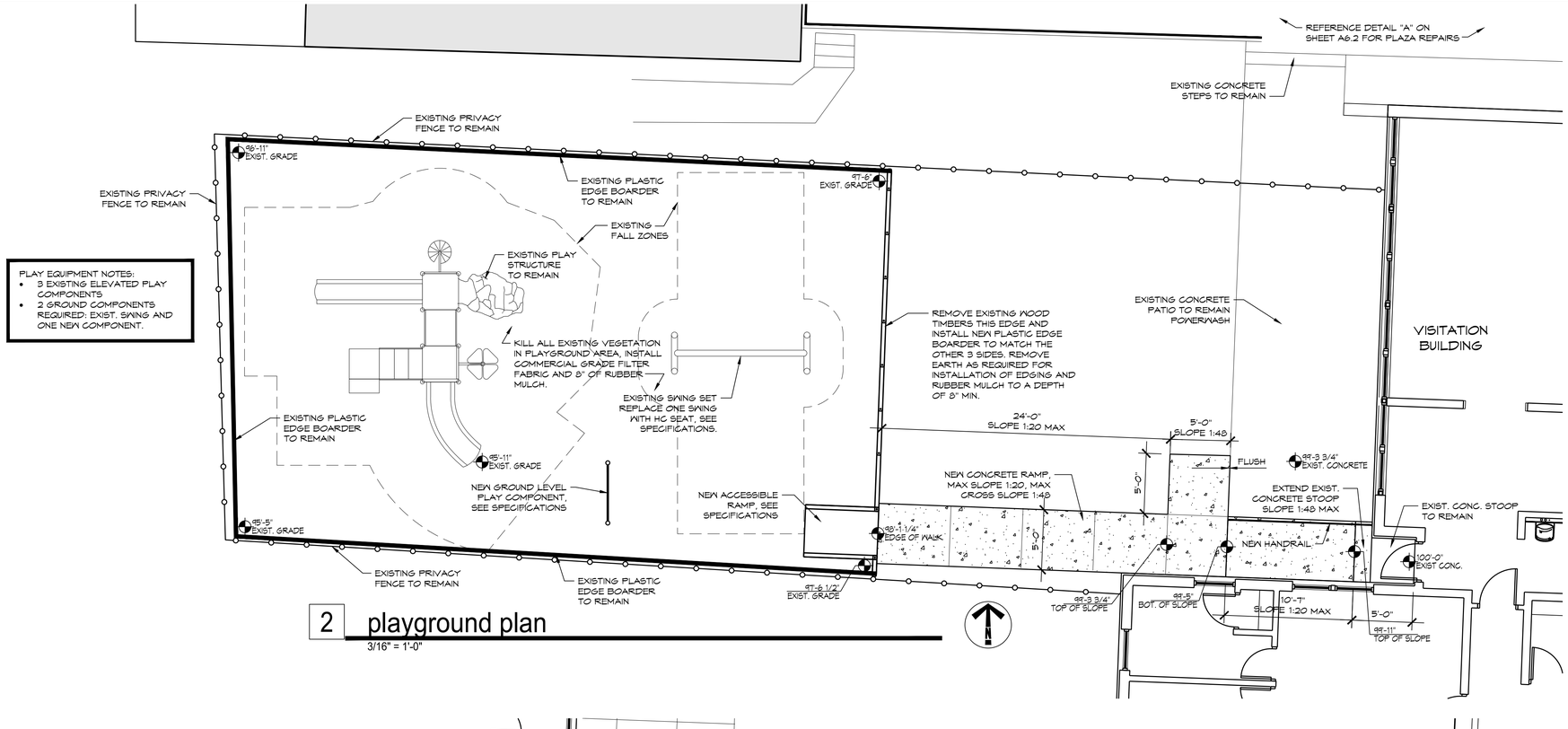
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springfield, ohio 45503

existing site plan

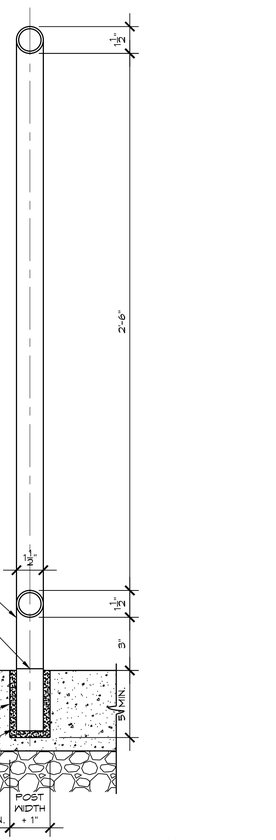
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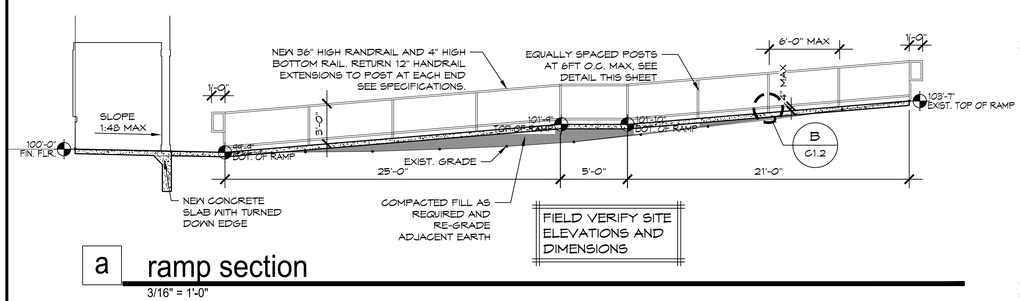
2 playground plan

3/16" = 1'-0"



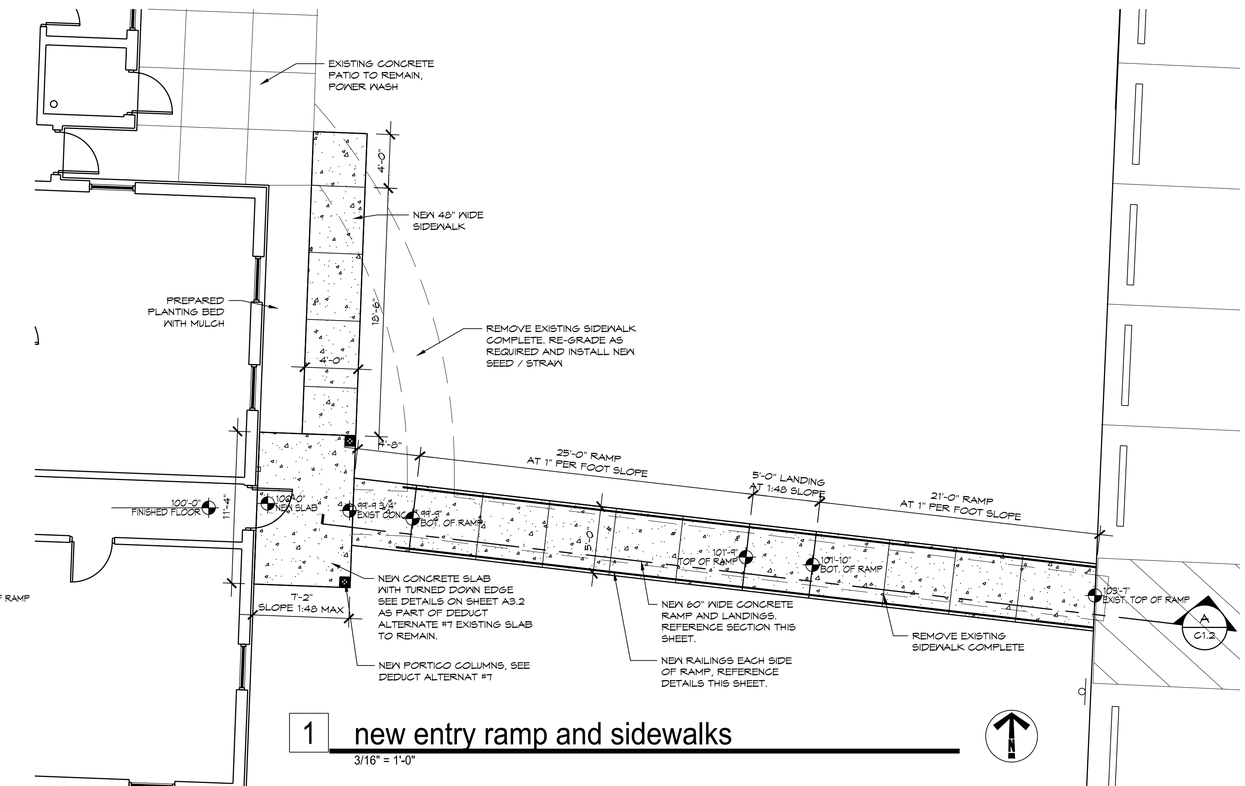
b typical railing post detail

3" = 1'-0"



a ramp section

3/16" = 1'-0"



1 new entry ramp and sidewalks

3/16" = 1'-0"

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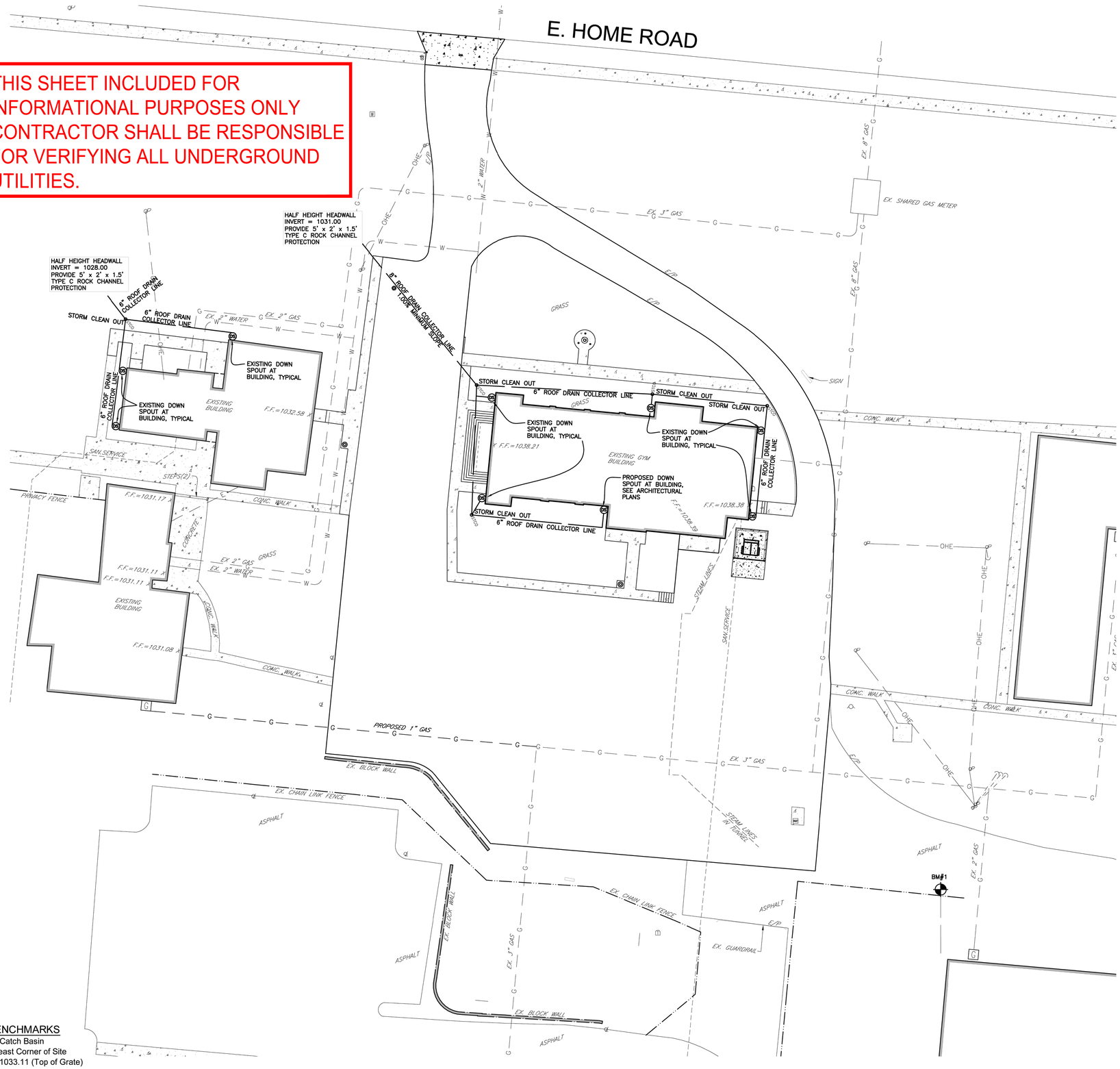
renovations to visitation building for:
clark county family services
525 e home road
springfield, ohio 45503

proposed site plan

project number
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date
9/10/2026
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C1.2

THIS SHEET INCLUDED FOR INFORMATIONAL PURPOSES ONLY CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UNDERGROUND UTILITIES.



SITE BENCHMARKS

BM#1 Storm Catch Basin
Southeast Corner of Site
Elev: 1033.11 (Top of Grate)

GENERAL UTILITY NOTES:

1. All utilities shown are approximate locations only and have been compiled from the latest available mapping. The exact location of all underground utilities shall be verified by the Contractor prior to the start of construction.
2. Contractor to coordinate with the local utility companies for all locations and connections. A preconstruction meeting with the various utility companies may be required prior to the start of any construction activity.
3. The Contractor shall visit the site and verify the location, elevation, and condition of all existing utilities by various means prior to beginning any excavation. Test pits shall be dug at all locations where existing and proposed utility lines cross, and the horizontal and vertical locations of the utilities shall be determined. The Contractor shall contact the Engineer in the event of any unforeseen conflicts between existing and proposed utilities so that an appropriate modification may be made.
4. The Contractor shall ensure that all utility companies and local standards for materials and construction methods are met. The Contractor shall perform proper coordination with the respective utility company. The Contractor shall coordinate work to be performed by the various utility companies and shall pay all fees for connections, disconnection, relocations, inspections, and demolition.
5. This plan details pipes up to 5' from the building face. Refer to the building drawings for building connections. Supply and install pipe adapters as necessary.
6. All valve boxes and curb boxes shall be adjusted to the final grades and located in grassed areas unless indicated otherwise on the plans.
7. The Contractor shall provide traffic bearing concrete collars and lids for all cleanouts, manholes, inlets, valves, etc. which are located in paved areas.
8. All existing pavement within the rights-of-way where utility piping is to be installed shall be saw cut and replaced or directionally bored in accordance with Local and/or State requirements. Existing pavement shall be repaired as necessary.
9. All utility lines and trenches shall be installed, bedded and backfilled according to manufacturer's specifications and to the satisfaction of Local and State Authorities.
10. Sanitary sewer laterals shall maintain (10' min. horizontal, 1.5' min. vertical) separation distance from water lines unless otherwise shown, or additional protection measures will be required. Where water line crosses above sanitary lateral by less than 2' vertical, a concrete encasement shall be installed, Contractor shall center one joint of pipe at crossing.
11. Roof drains, foundation drains, and other clean water connections to the sanitary sewer system are prohibited.

STORM SEWER NOTES:

All storm sewer shall be reinforced concrete pipe (ASTM C76 - Class III, minimum) or high-density polyethylene pipe (ADS N-12 or equivalent), unless otherwise noted on plans. All pipe shall be installed according to Local, State, and manufacturer's specifications.

Contractor to provide roof drain collection system to connect building downspouts / roof drains to on-site storm sewer system. See architectural plans for roof drain locations.

Roof drain collection pipe may be HDPE (ADS N-12 or equivalent) or Schedule 40 PVC pipe. All pipe shall be installed according to Local, State, and manufacturer's specifications. Provide cleanouts at all bends, angles, and junctions. All cleanouts in pavement areas shall be installed with traffic bearing lids and concrete collars, per detail / Sheet C-5.0.

Storm sewer connection, permit and construction to be coordinated with City of Springfield.

GAS NOTES:

Coordinate gas service lines, meter, and connections with mechanical plans and local utility provider. Contractor shall verify both location and availability of service prior to the start of construction. See sheet C4.2 for gas details.

UTILITY LEGEND

DS	PROP. INLET/MANHOLE/CLEANOUT
DS	EX. DOWNSPOUT @ BUILDING
	PROP. LIGHT POLE
	PROP. ROOF DRAIN LINE
	PROP. STORM SEWER
G	GAS LINE
W W	WATER SERVICE/WATERLINE

N

GRAPHIC SCALE
20 0 10 20
1 inch = 20 ft.

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KYLE D. ZEPERNICK
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REGISTERED ARCHITECT
Kyle Zepernick, License #10884
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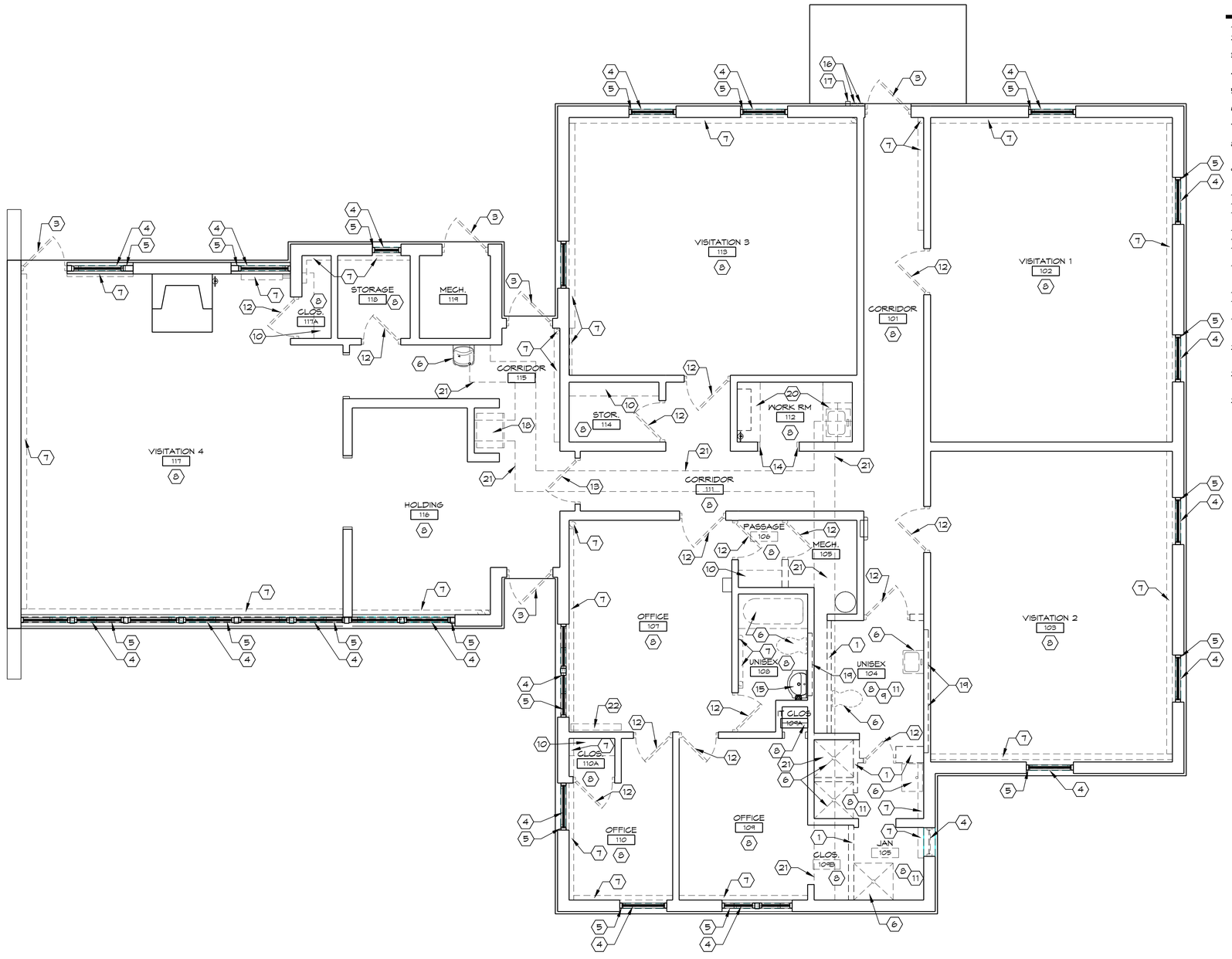
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renovations to visitation building for:
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525 e home road
springfield, ohio 45503

utility plan

project number
251429
date
9/10/2026
drawn by
RMT
checked by
KDZ

sheet
C1.3



demo keynotes

1. REMOVE EXISTING WALL PARTITION COMPLETE
2. CREATE OPENING IN EXISTING WALL, REFERENCE NEW WORK PLAN.
3. REMOVE EXISTING EXTERIOR DOOR AND FRAME COMPLETE, REFERENCE DEDUCT ALTERNATE #2
4. REMOVE EXISTING WINDOW COMPLETE. REMOVE WINDOW BLINDS IF PRESENT.
5. REMOVE EXISTING WOOD INFILL IN EXISTING MASONRY OPENING.
6. REMOVE EXISTING PLUMBING FIXTURE REFERENCE PLUMBING DRAWINGS.
7. REMOVE EXISTING BASEBOARD HEATER AND ALL ASSOCIATED PIPING. REFERENCE MECHANICAL DRAWINGS.
8. REMOVE EXISTING FLOOR FINISHES, WALL FINISHES AND WALL BASE THIS ROOM. REFERENCE SPECIFICATIONS FOR HAZARDOUS MATERIALS REPORT.
9. REMOVE ALL EXISTING TOILET ROOM ACCESSORIES IN THIS ROOM, INCLUDING TOILET PAPER DISPENSERS, GRAB BARS, SOAP DISPENSERS, PAPER TOWEL DISPENSERS AND MIRRORS.
10. REMOVE EXISTING CASEWORK COMPLETE.
11. REMOVE EXISTING WALL TILE ON CMU THIS ROOM.
12. REMOVE EXISTING DOOR SLAB, EXISTING STEEL FRAME TO REMAIN.
13. REMOVE EXISTING DOOR AND FRAME COMPLETE.
14. REMOVE EXISTING STEEL FRAME, PATCH ADJACENT MASONRY.
15. REMOVE EXISTING VANITY SINK, RETAIN FOR REINSTALLATION, REFERENCE PLUMBING DRAWINGS FOR ADDITIONAL WORK.
16. REMOVE AND RELOCATE EXISTING CARD READER AND INTERCOM. REFERENCE NEW WORK PLAN. REMOVE ALL SURFACE MOUNTED RACEWAY AND PATCH HOLES.
17. EXISTING KNOX BOX TO REMAIN.
18. RELOCATE EXISTING REFRIGERATOR, REFERENCE NEW WORK PLAN AND ELECTRICAL DRAWINGS.
19. REMOVE EXISTING PLUMBING ACCESS PANEL, STUD INFILL, CMU AND PIPING, REFERENCE DETAIL B 6 C ON SHEET A3.1 AND PLUMBING DRAWINGS
20. REMOVE EXISTING CABINETS AND SINK, RETAIN FOR REINSTALLATION AFTER FLOORING DEMO, ABATEMENT AND NEW FLOORING INSTALLATION.
21. SAW-CUT EXISTING CONCRETE SLAB AS REQUIRED FOR NEW PLUMBING SANITARY INSTALLATION. COORDINATE WITH PLUMBER.
22. SECURITY CAMERA / DVR EQUIPMENT TO BE TEMPORARILY REMOVED BY OWNER AND RE-INSTALLED AFTER CONSTRUCTION IS COMPLETE.

1 demo floor plan

1/4" = 1'-0"

issued

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KYLE D. ZEPERNICK
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Kyle Zepernick, License #10884
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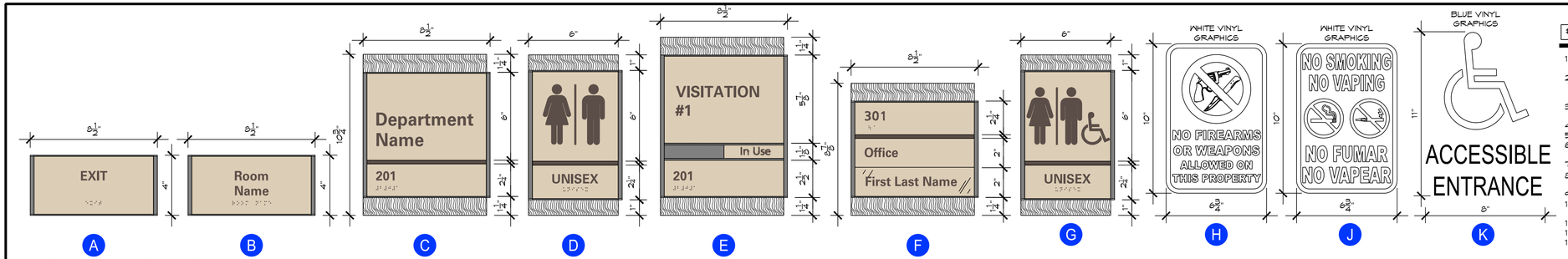
visitation building renovations for:
clark county family services
525 e home road
springfield, ohio 45503

existing floor plan

project number
251429
date
3/3/2026
drawn by
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checked by
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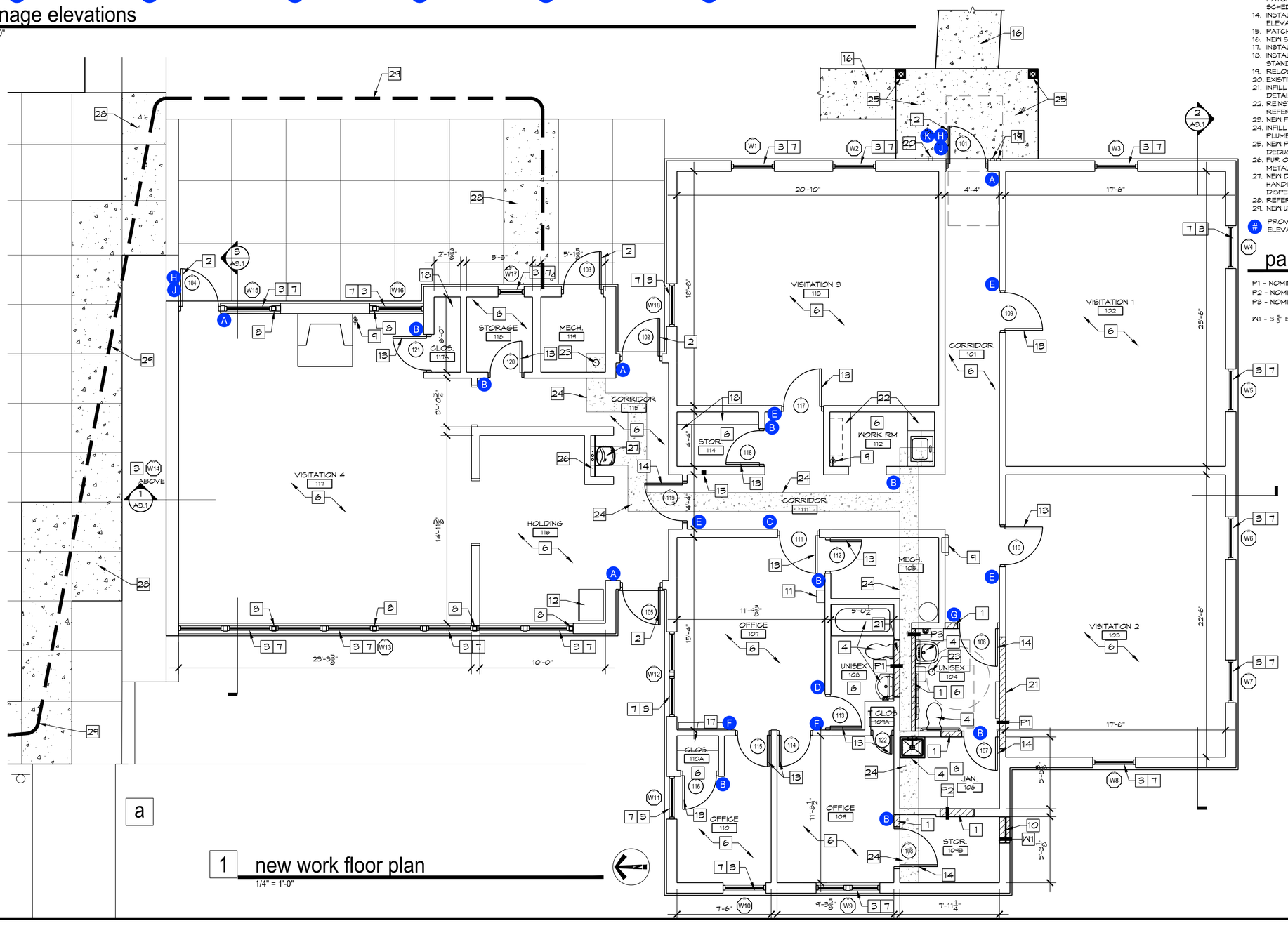
sheet
A1.1

DRAWING NAME: S:\JOBS\251429 CLARK COUNTY VISITATION BLDG\A1.1 DEMO PLAN.DWG
PLOTTED BY: RYAN TRAXLER PLOT DATE: 9/11/2026 1:30 PM
LAST SAVED BY: RTRAX 9/11/2026 1:30 AM



signage elevations

3" = 1'-0"



a

1 new work floor plan

1/4" = 1'-0"

new work keynotes

1. NEW WALL PARTITION, SEE PARTITION SCHEDULE ON SHEET THIS SHEET.
2. INSTALL NEW EXTERIOR DOOR AND FRAME, REFERENCE DOOR SCHEDULE ON SHEET A6.3. DOOR 101 AND 104 BASE BID, DOORS 102, 103 AND 105 ALTERNATE #2.
3. INSTALL NEW ALUMINUM WINDOW, REFERENCE WINDOW SCHEDULE ON SHEET A6.1
4. NEW PLUMBING FIXTURE REFERENCE PLUMBING DRAWINGS.
5. NEW MECHANICAL DEVICE, REFERENCE MECHANICAL DRAWINGS.
6. INSTALL NEW FLOOR FINISH, WALL FINISH, WALL BASE AND CEILING AS INDICATED ON THE FINISH SCHEDULE ON SHEET A5.1
7. INSTALL NEW ROLLER SHADE, REFERENCE SPECIFICATIONS
8. REPLACE EXISTING DOUBLE 2X6 WOOD COLUMNS WITH NEW 4X4X¼" TUBE STEEL COLUMNS, SEE DETAIL "D" ON SHEET A3.1.
9. EXISTING FIRE EXTINGUISHER AND / OR CABINET TO REMAIN.
10. CMU AND BRICK INFILL IN EXISTING OPENING, REFERENCE EXTERIOR ELEVATIONS AND SECTIONS.
11. EXISTING AED CABINET TO REMAIN.
12. RELOCATE OWNER'S REFRIGERATOR
13. REPLACE EXISTING DOOR LEAF, EXISTING STEEL FRAME TO REMAIN. PATCH AND PAINT EXISTING STEEL FRAME. REFERENCE DOOR SCHEDULE ON SHEET A6.3 AND SPECIFICATIONS.
14. INSTALL NEW DOOR AND FRAME, REFERENCE DOOR SCHEDULE AND ELEVATIONS ON SHEET A6.3.
15. PATCH HOLE IN CMU.
16. NEW SIDEWALKS, REFERENCE SHEET C1.2.
17. INSTALL NEW PAINTED WOOD SHELVES, SEE DETAIL 1 ON SHEET A5.1
18. INSTALL NEW ADJUSTABLE BIRCH HARDWOOD SHELVING, STANDARDS AND BRACKETS, REFERENCE DETAIL 2 ON SHEET A5.1
19. RELOCATE EXISTING CARD READER AND INTERCOM.
20. EXISTING KNOX BOX TO REMAIN.
21. INFILL EXISTING PLUMBING CHASE OPENING WITH CMU, REFERENCE DETAILS B 1 C ON SHEET A3.1
22. REINSTALL EXISTING CASEWORK AND PLUMBING FIXTURE, REFERENCE PLUMBING DRAWINGS FOR ASSOCIATED WORK.
23. NEW FLOOR DRAIN, REFERENCE PLUMBING DRAWINGS.
24. INFILL PLUMBING TRENCH WITH CONCRETE AND GRAVEL REFERENCE PLUMBING DRAWINGS AND INFILL DETAIL.
25. NEW PORTICO COLUMNS AND SLAB, REFERENCE SHEET A3.2 AND DEDUCT ALTERNATE #7
26. FUR OUT EXISTING WALL AS REQUIRED FOR NEW PLUMBING USING METAL STUD AND DRYWALL.
27. NEW DRINKING FOUNTAIN WITH BOTTLE FILLER. MOUNT AT HANDICAPPED HEIGHT. OWNER IS ALSO PROVIDING BOTTLED WATER DISPENSER IN THE WORK ROOM.
28. REFERENCE DETAIL "A" ON SHEET A6.2 FOR PLAZA REPAIRS
29. NEW UNDERGROUND ELECTRIC, REFERENCE ELECTRICAL DRAWINGS.

PROVIDE NEW ROOM IDENTIFICATION SIGN, REFERENCE ELEVATIONS THIS SHEET AND SPECIFICATIONS.

partition schedule

P1 - NOMINAL 6" CMU (5 5/8" ACTUAL) FULL HEIGHT
P2 - NOMINAL 8" CMU (7 5/8" ACTUAL) FULL HEIGHT
P3 - NOMINAL 4" CMU (3 5/8" ACTUAL) FULL HEIGHT

W1 - 3 5/8" BRICK VENEER AND 7 5/8" CMU (TOOTH-IN)

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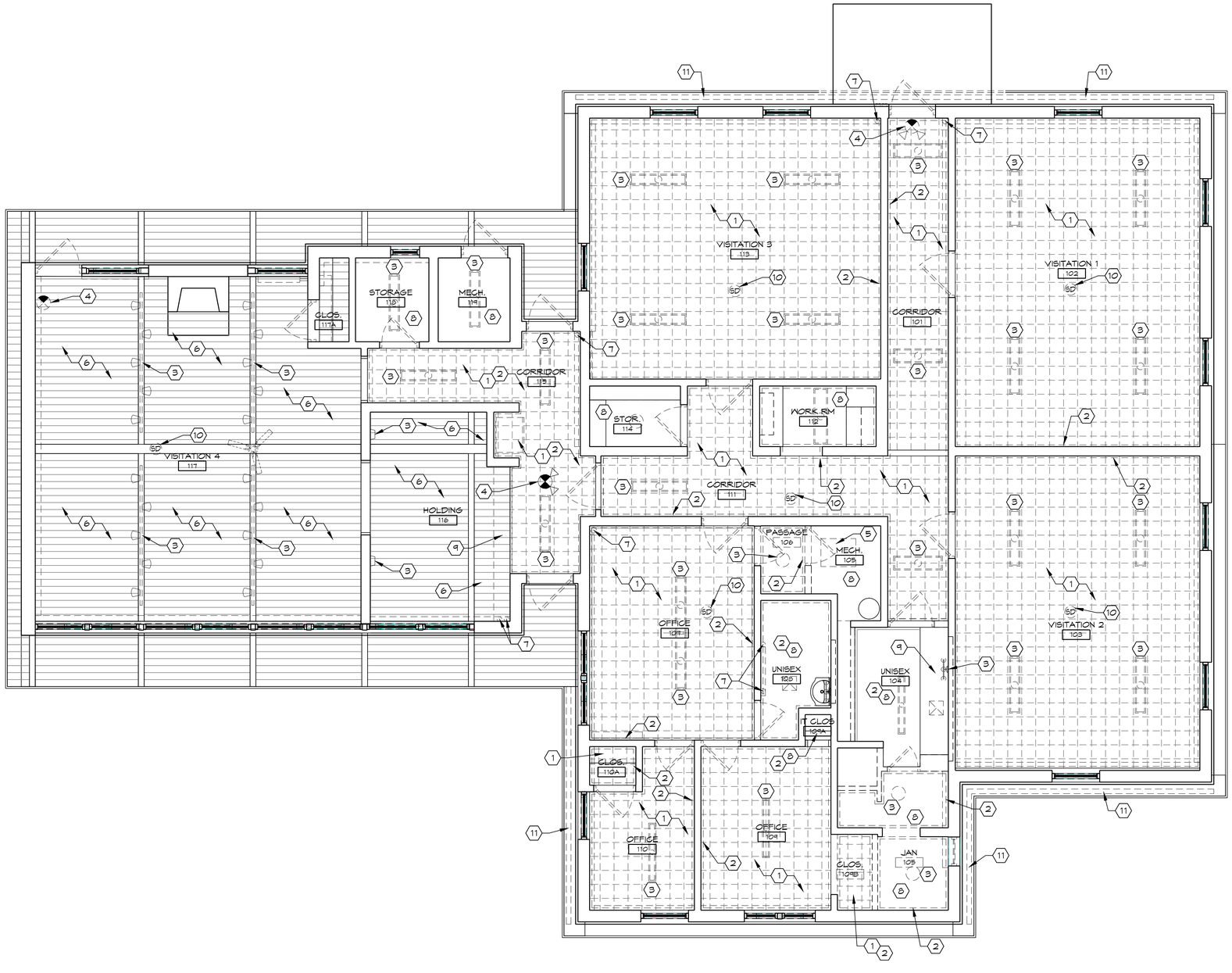
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renovations to visitation building for:
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springfield, ohio 45503

new work plan

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date
9/10/2026
drawn by
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checked by
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sheet
A1.2



1 demo reflected ceiling plan

1/4" = 1'-0"

demo keynotes

1. REMOVE EXISTING 12X12 GLUE APPLIED CEILING TILES AND MASTIC. REFERENCE HAZARDOUS MATERIALS REPORT IN SPECIFICATIONS.
2. REMOVE EXISTING QUARTER-ROUND MOLDING AROUND PERIMETER OF ROOM.
3. REMOVE EXISTING LIGHT FIXTURE, REFERENCE ELECTRICAL DRAWINGS.
4. REMOVE EXISTING EXIT SIGN, REFERENCE ELECTRICAL DRAWINGS.
5. REMOVE EXISTING ATTIC ACCESS PANEL. PREP OPENING FOR NEW, REFERENCE NEW WORK REFLECTED CEILING PLAN.
6. EXISTING GLUE LAM STRUCTURE AND DECKING TO REMAIN.
7. REMOVE EXISTING FIN TUBE PIPING THROUGH CEILING AND PATCH CEILING IN HOLE. REFERENCE MECHANICAL DRAWINGS.
8. EXISTING PLASTER CEILING CEILING TO REMAIN
9. EXISTING DRYWALL SOFFIT TO REMAIN
10. REMOVE AND REINSTALL EXISTING SMOKE DETECTOR AS REQUIRED FOR DEMOLITION AND NEW CONSTRUCTION. REFERENCE ELECTRICAL DRAWINGS.
11. CUT AND REMOVE CONTINUOUS CHANNEL IN EXISTING PLYWOOD SOFFIT IN PREPARATION FOR OVERLAYING NEW VENTED CEMENT BOARD SOFFIT, REFERENCE NEW WORK.

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Kyle Zepernick, License #10884
Expiration Date 12-31-27

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OREGON GROUP ARCHITECTS
ARCHITECTURE INTERIORS CODE CONSULTANTS
THE PARSONAGE HOUSE
300 S. PATTERSON BLVD DAYTON, OHIO 45402
937-228-1551 F 937-228-9569

visitation building renovations for:
clark county family services
525 e home road
springfield, ohio 45503

existing floor plan

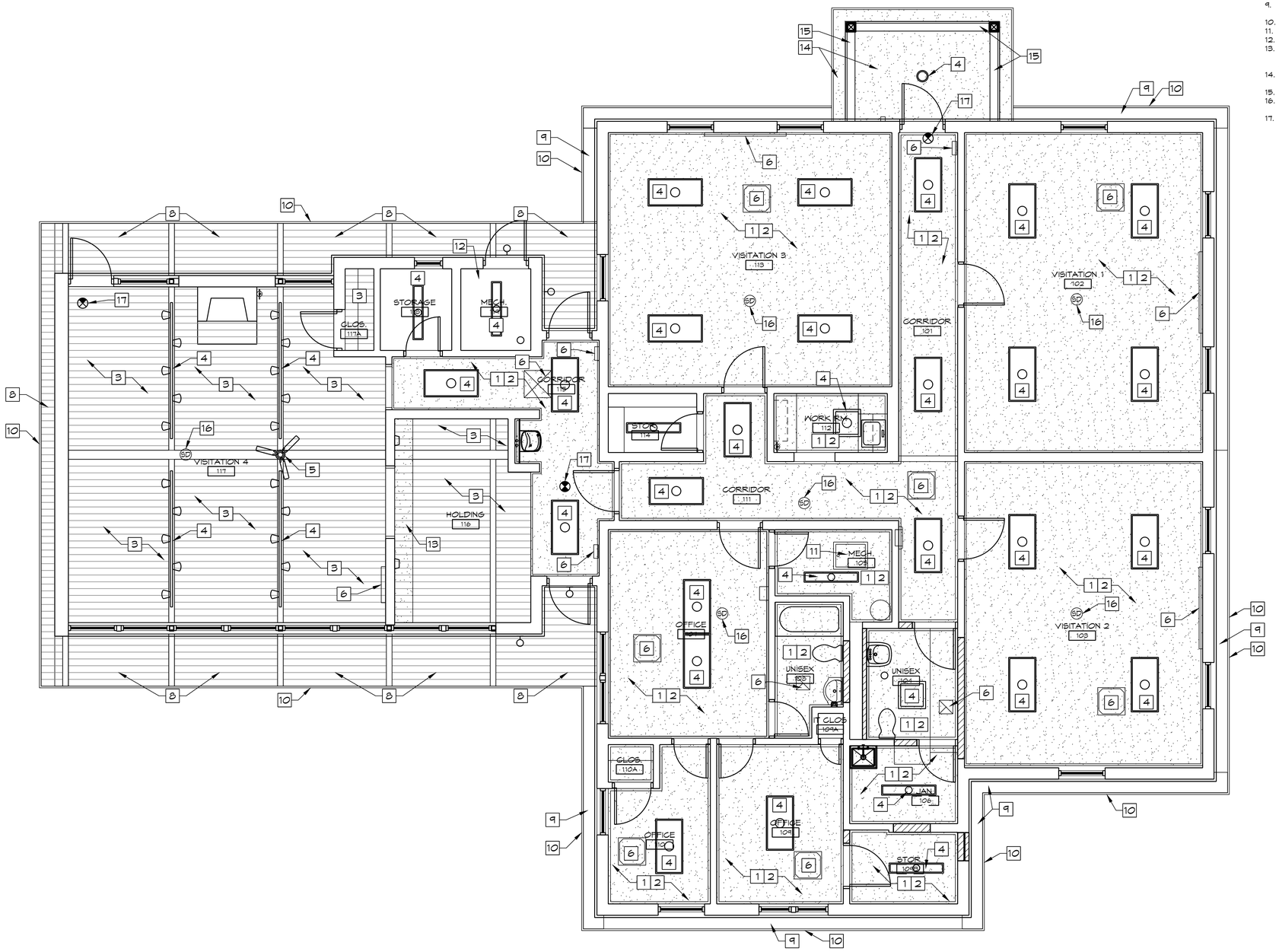
project number
251429
date
3/3/2026
drawn by
RMT
checked by
KDZ

sheet
A1.3

DRAWING NAME: S:\JOBS\251429 CLARK COUNTY VISITATION BLDG\A1.3 DEMO REFLECTED CEILING.DWG
PLOTTED BY: RYAN TRAXLER PLOT DATE: 3/11/2026 1:31 PM
LAST SAVED BY: RTRAX 3/9/2026 11:27 AM

reflected ceiling keynotes

1. INSTALL NEW 1/2" DRYWALL CEILING OVER EXISTING SUBSTRATE. PROVIDE SMOOTH PAINTED FINISH.
2. INSTALL NEW QUARTER-ROUND TRIM AROUND PERIMETER OF ROOM TO CONCEAL EXISTING TOP PLATE. SEE DETAIL "A" ON SHEET A3.1.
3. CLEAN EXISTING EXPOSED WOOD DECK CEILING AND STRUCTURE. PATCH HOLES FROM REMOVED ITEMS.
4. NEW LIGHT FIXTURE, REFERENCE ELECTRICAL DRAWINGS.
5. REPLACE EXISTING CEILING FAN, REFERENCE ELECTRICAL DRAWINGS.
6. NEW HVAC DEVICE, REFERENCE MECHANICAL DRAWINGS.
7. PROVIDE NEW 20X30 LOCKABLE, INSULATED STEEL ATTIC ACCESS DOOR. RE-USE EXISTING ATTIC ACCESS LOCATION.
8. REFINISH EXISTING WOOD DECK AND BEAMS (EXTERIOR LOCATIONS ONLY). INSTALL NEW 1.5" QUARTER ROUND TRIM AT ALL WALL INTERSECTIONS.
9. REPLACE EXISTING WOOD SOFFIT WITH NEW PERFORATED CEMENT BOARD SOFFIT.
10. ALUMINUM CLAD EXISTING 1X FASCIA BOARDS.
11. NEW INSULATED ATTIC ACCESS DOOR WITH TRIM.
12. PATCH HOLES IN CEILING TO MATCH ADJACENT CEILING FINISH.
13. NEW STUD AND DRYWALL SOFFIT TO CONCEAL NEW MECHANICAL DUCTS, COORDINATE WITH MECHANICAL CONTRACTOR.
14. NEW NON-VENTED CEMENT BOARD PORTICO SOFFIT / CEILING, SEE DETAILS ON SHEET A3.2.
15. NEW ALUMINUM CLAD SOFFIT, SEE DETAILS ON SHEET A3.2
16. NEW SMOKE DETECTOR, CONNECT TO EXISTING CIRCUIT. REFERENCE ELECTRICAL DRAWINGS.
17. NEW EXIT SIGN, REFERENCE ELECTRICAL DRAWINGS.



1 new work reflected ceiling plan

1/4" = 1'-0"

issued

BID DOCUMENTS

revised

STATE OF OHIO
KYLE D. ZEPERNICK
No. 10884
REGISTERED ARCHITECT

Kyle Zepernick, License #10884
Expiration Date 12-31-27

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THE PARSONAGE HOUSE
300 S. PATTERSON BLVD DAYTON, OHIO 45402
937-228-1511 F 937-228-9569

renovations to visitation building for:

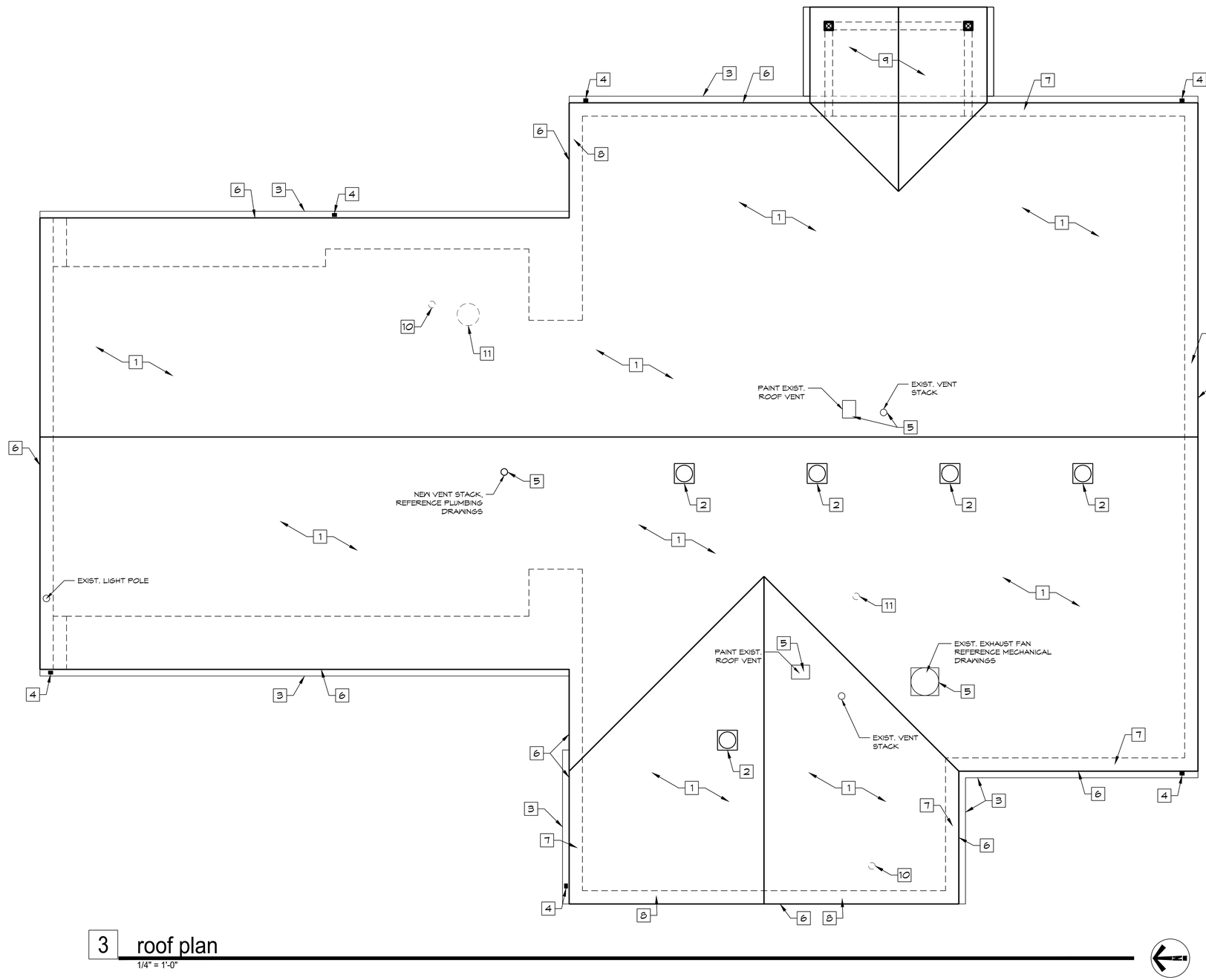
clark county family services
525 e home road
springfield, ohio 45503

new work reflected ceiling plan

project number
251429
date
9/10/2026
drawn by
RMT
checked by
KDZ

sheet

A1.4



3 roof plan
1/4" = 1'-0"

roof plan notes

1. INSTALL NEW ASPHALT SHINGLED ROOF OVER EXISTING SINGLE LAYER ASPHALT SHINGLED ROOF, SEE SPECIFICATIONS AND DEDUCT ALTERNATE #1.
2. NEW HIGH CAPACITY DOME ROOF VENT, SEE SPECIFICATIONS AND DEDUCT ALTERNATE #1.
3. REPLACE EXISTING ALUMINUM GUTTERS WITH LIKE-KIND, SEE DEDUCT ALTERNATE #1.
4. REPLACE EXISTING ALUMINUM DOWNSPOUTS WITH LIKE-KIND, SEE DEDUCT ALTERNATE #1.
5. PROVIDE NEW FLASHING AROUND ALL EXISTING AND NEW ROOF PENETRATIONS.
6. ALUMINUM CLAD EXISTING 1X FASCIA BOARDS, SEE DEDUCT ALTERNATE #1.
7. INSTALL NEW PERFORATED CEMENT BOARD SOFFIT OVER EXISTING WOOD SOFFIT. CUT CONTINUOUS SLOT IN EXISTING WOOD SOFFIT AT CEMENT BOARD PERFORATION LOCATION. SEE DEDUCT ALTERNATE #1.
8. INSTALL NON-VENTED CEMENT BOARD SOFFIT OVER EXISTING. SEE DEDUCT ALTERNATE #1.
9. NEW PORTICO ADDITION REFERENCE SHEET A3.2 AND DEDUCT ALTERNATE #7
10. REMOVE EXISTING VENT STACK AND PATCH OPENING IN ROOF. REFERENCE PLUMBING DRAWINGS FOR ASSOCIATED WORK.
11. REMOVE EXISTING HOT WATER HEATER OR BOILER VENT AND PATCH OPENING IN ROOF, REFERENCE PLUMBING / MECHANICAL DRAWINGS FOR ASSOCIATED WORK.

NOTE: PAINT ALL EXISTING GRILLES, STACKS, VENTS, ETC. TO REMAIN

roof venting calculations

SOUTH ROOF TRUSS AREA
AREA: 2,254 SF
EXHAUST: 541 SQ. IN. REQUIRED
INTAKE: 541 SQ. IN. REQUIRED

WEST ROOF AREA:
AREA 508 SF
EXHAUST: 122 SQ. IN. REQUIRED
INTAKE: 122 SQ. IN REQUIRED

ALL WORK THIS SHEET IS PART OF DEDUCT ALTERNATE #1

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REGISTERED ARCHITECT
Kyle Zepernick, License #10884
Expiration Date 12-31-27

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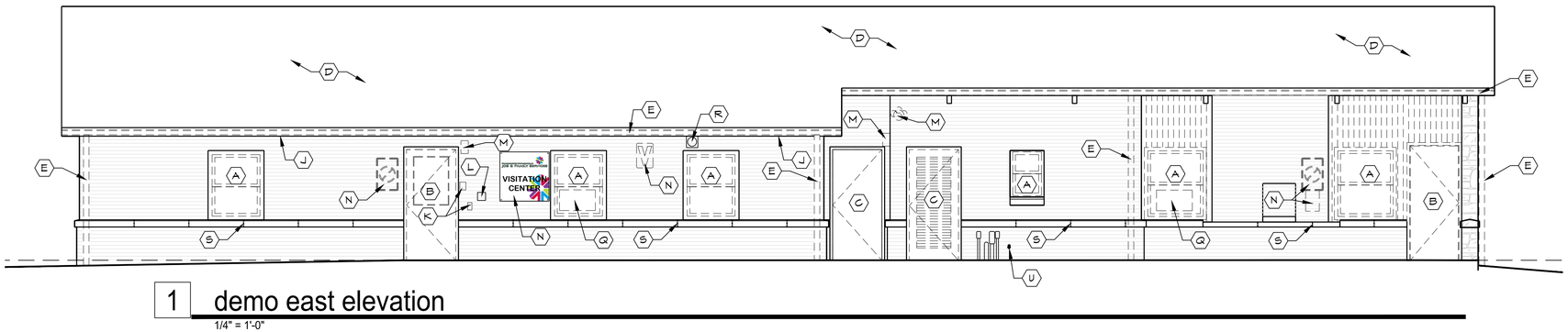
renovations to visitation building for:
clark county family services
525 e home road
springfield, ohio 45503

roof plan

project number
251429
date
9/10/2026
drawn by
RMT
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KDZ

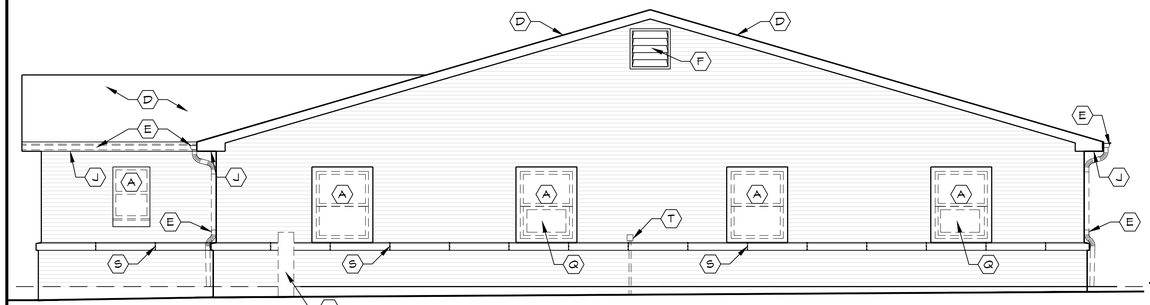
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PLOTTED BY: RYAN TRAXLER PLOT DATE: 9/11/2026 1:31 PM
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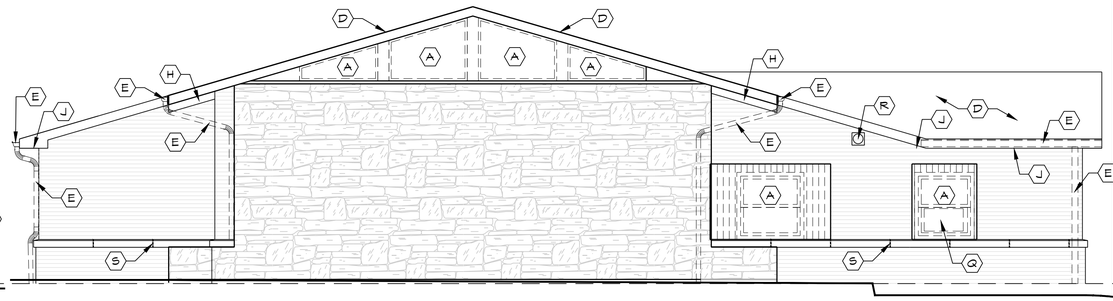
1 demo east elevation

1/4" = 1'-0"



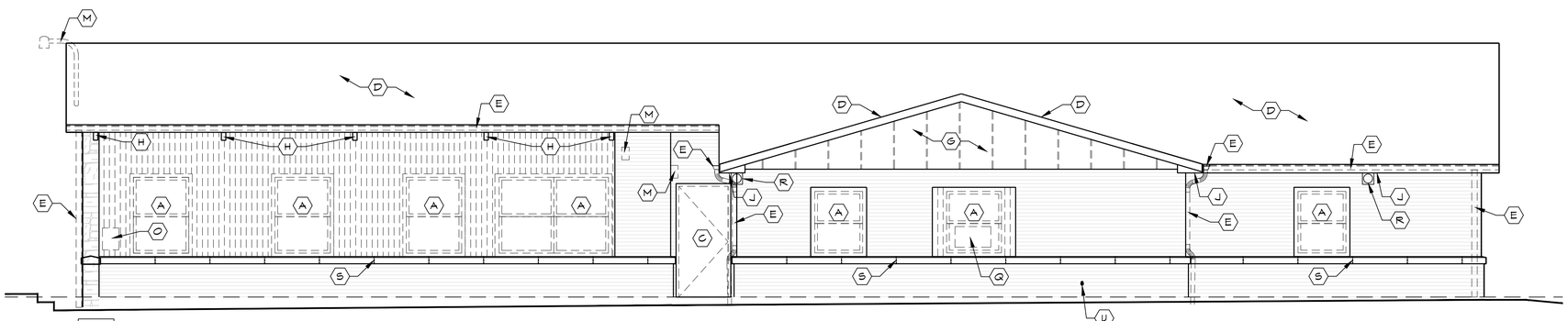
2 demo south elevation

1/4" = 1'-0"



4 demo north elevation

1/4" = 1'-0"



3 demo west elevation

1/4" = 1'-0"

demo keynotes

A. REMOVE WOOD INFILL (IF PRESENT) AND EXISTING WINDOW IN MASONRY OPENING.
B. AS PART OF THE BASE BID REMOVE EXISTING DOOR AND FRAME COMPLETE
C. AS PART OF ALTERNATE #2 REMOVE EXISTING DOOR AND FRAME COMPLETE, AS PART OF THE BASE BID EXISTING DOOR TO REMAIN.
D. EXISTING SHINGLED ROOF TO REMAIN, REFERENCE NEW WORK AND ROOF PLAN FOR NEW OVERLAYED ROOF.
E. REMOVE EXISTING GUTTERS AND DOWNSPOUTS.
F. EXISTING GABLE END LOUVER TO REMAIN, REFERENCE NEW WORK FOR CLOSURE.
G. REMOVE EXISTING WOOD BATTENS, EXISTING WOOD CLADDING TO REMAIN.
H. EXISTING WOOD PERLINS.
I. NOT USED
J. CUT SLOTS IN EXISTING SOFFIT AS REQUIRED FOR VENTING, SEE NEW WORK ELEVATIONS.
K. REMOVE AND RELOCATE EXISTING CARD READER AND INTERCOM. REFERENCE NEW WORK PLAN. REMOVE ALL SURFACE MOUNTED RACEWAY AND PATCH HOLES.
L. EXISTING KNOX BOX TO REMAIN.
M. REMOVE EXISTING LIGHT FIXTURE, REFERENCE ELECTRICAL DRAWINGS.
N. REMOVE EXISTING SIGN, RETAIN ENTRANCE SIGN FOR REINSTALLATION, REFERENCE NEW WORK ELEVATIONS.
O. REMOVE AND REINSTALL CABLE DEMARCATION BOX, REFERENCE NEW WORK ELEVATIONS.
P. REMOVE EXISTING TELEPHONE DEMARCATION PEDESTAL AND ALL ASSOCIATED WIRING, REFERENCE ELECTRICAL DRAWINGS.
Q. REMOVE EXISTING WINDOW UNIT AIR CONDITIONER, SALVAGE TO OWNER.
R. EXISTING SECURITY CAMERA TO REMAIN
S. REMOVE EXISTING EXISTING VERTICAL JOINTS IN LIMESTONE BAND / SILL AROUND BUILDING PERIMETER, REFERENCE HAZARDOUS MATERIALS REPORT IN SPECIFICATIONS.
T. REMOVE EXISTING ABANDONED ELECTRICAL CONDUIT AND BOX
U. REPLACE EXISTING HOSE BIB, SEE PLUMBING DRAWINGS.

issued

BID DOCUMENTS

revised

STATE OF OHIO
KYLE D. ZEPERNICK
No. 10884
REGISTERED ARCHITECT

Kyle Zepernick, License #10884
Expiration Date 12-31-27

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THE PARSONAGE HOUSE
609 PATTERSON BLVD DAYTON, OHIO 45402
937-228-1551 F 937-228-9569

renovations to visitation building for:
clark county family services
525 e home road
springfield, ohio 45503

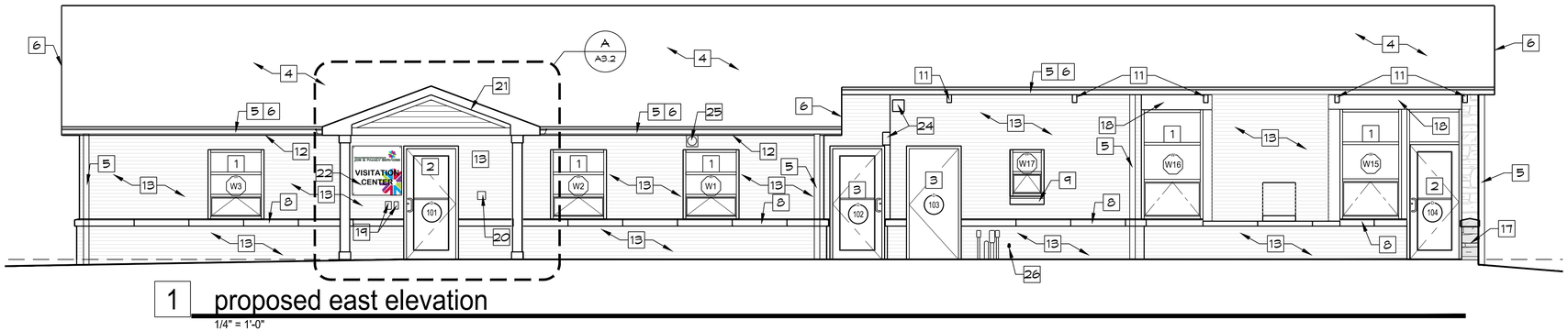
demo exterior elevations

project number
251429
date
9/10/2026
drawn by
RMT
checked by
KDZ

sheet
A2.1

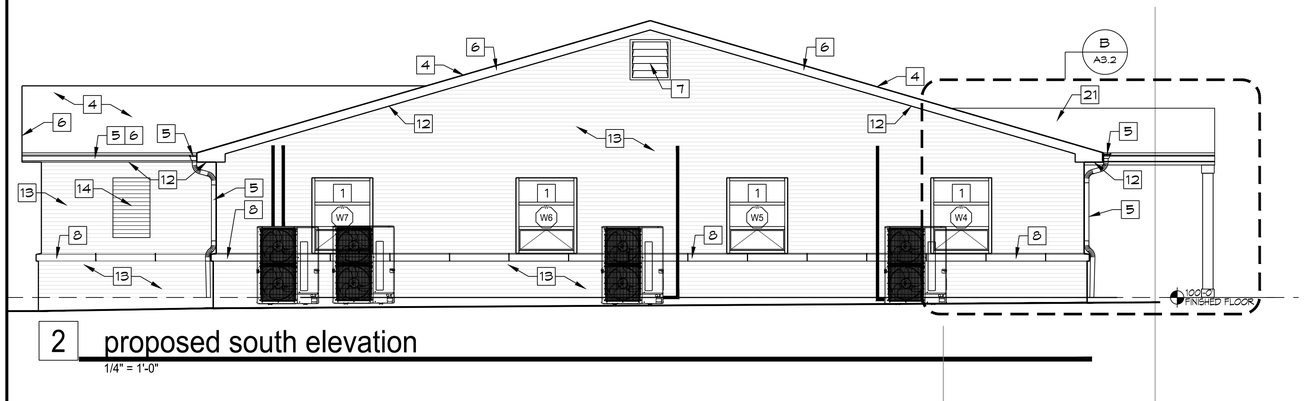
1 OF 7

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PLOTTED BY: RYAN TRAXLER PLOT DATE: 9/11/2026 1:32 PM
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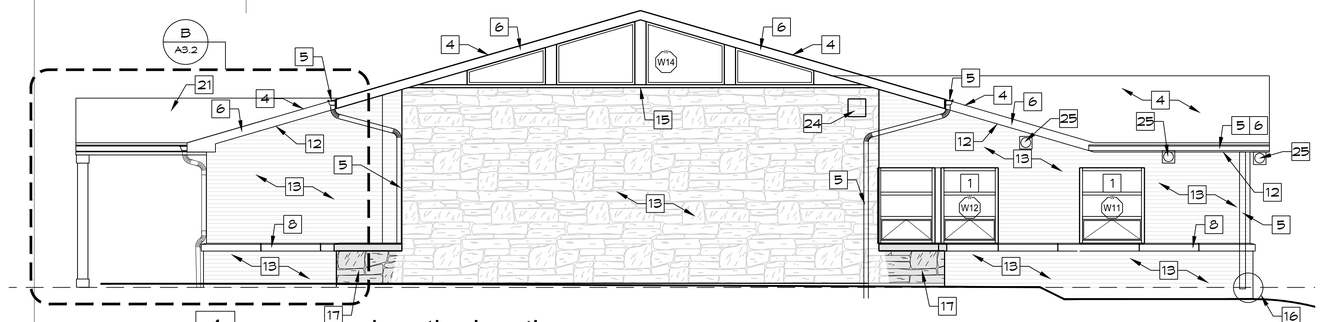
1 proposed east elevation

1/4" = 1'-0"



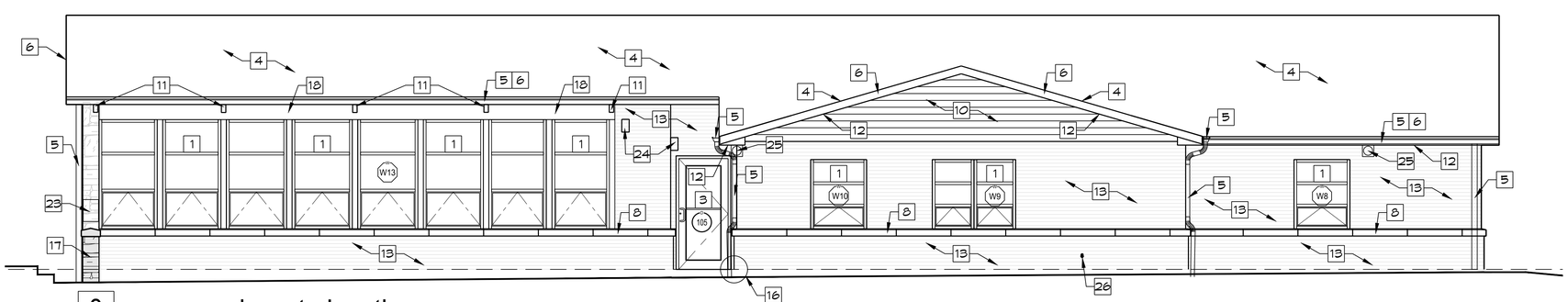
2 proposed south elevation

1/4" = 1'-0"



4 proposed north elevation

1/4" = 1'-0"



3 proposed west elevation

1/4" = 1'-0"

new work keynotes

1. INSTALL NEW ALUMINUM WINDOW, REFERENCE WINDOW SCHEDULE ON SHEET A6.1 AND SPECIFICATIONS.
2. BASE BID: NEW DOOR AND FRAME, REFERENCE DOOR SCHEDULE ON SHEET A6.1
3. ALTERNATE #2: NEW DOOR AND FRAME. BASE BID EXISTING TO REMAIN. REFERENCE DOOR SCHEDULE ON SHEET A6.1
4. NEW ASPHALT SHINGLED ROOF OVER EXISTING SINGLE LAYER ROOF. REFERENCE ROOF PLAN AND SPECIFICATIONS.
5. REPLACE EXISTING GUTTERS AND DOWNSPOUTS, REFERENCE ROOF PLAN AND SPECIFICATIONS.
6. CLAD EXISTING WOOD FASCIA FASCIA WITH ALUMINUM, ENTIRE BUILDING
7. INSTALL ALUMINUM COVER ON INSIDE FACE OF EXISTING GABLE END LOUVER, PAINT EXISTING LOUVER.
8. CLEAN EXISTING LIMESTONE SILL BAND. REPLACE EXISTING VERTICAL SEALANT JOINTS. REFERENCE HAZARDOUS MATERIALS REPORT IN SPECIFICATIONS.
9. CLEAN EXISTING LIMESTONE SILL.
10. INSTALL NEW CEMENT BOARD SIDING OVER EXISTING PAINTED WOOD SHEATHING, REFERENCE SPECIFICATIONS.
11. PREP AND PAINT EXISTING WOOD PERLINS.
12. INSTALL NEW CEMENT BOARD SOFFIT WITH VENTS, REFERENCE SPECIFICATIONS.
13. CLEAN EXISTING MASONRY AND INSTALL WATER REPELLANT, REFERENCE SPECIFICATIONS.
14. INFILL EXISTING OPENING WITH BRICK VENEER AND 6"CMU, TOOTH-IN MASONRY.
15. INSTALL NEW SILL FLASHING ENTIRE WIDTH OF WALL.
16. TUCK-POINT / REPAIR DAMAGED BRICK THIS AREA.
17. REPAIR / RE-BUILD DAMAGED PORTIONS OF EXISTING STONE HALF-WALL AND INSTALL LIMESTONE CAP.
18. NEW CEMENT BOARD SIDING AND FRAMING, REFERENCE DETAIL 2A ON SHEET A6.1
19. RELOCATE EXISTING CARD READER AND INTERCOM.
20. EXISTING KNOX BOX TO REMAIN.
21. NEW PORTICO STRUCTURE, SEE DETAILS ON SHEET A3.2. SEE DEDUCT ALTERNATE #1.
22. REINSTALL EXISTING SIGN IN LOCATION SHOWN.
23. REINSTALL EXISTING CABLE DEMARCATION BOX ON EXISTING STONE WALL. RE-ROUTE CABLES AS NECESSARY.
24. NEW LIGHT FIXTURE, REFERENCE ELECTRICAL DRAWINGS.
25. EXISTING SECURITY CAMERA TO REMAIN. UN-MOUNT AND RE-MOUNT SOFFIT MOUNTED CAMERAS AS REQUIRED.
26. REPLACE EXISTING HOSE BIB, REFERENCE PLUMBING DRAWINGS.

general notes

1. CONTRACTOR SHALL INCLUDE 100 S.F. OF BRICK TUCKPOINTING FOR THE TRAINING BUILDING. TUCKPOINTING WILL BE USED AS NECESSARY FOR SMALL AREAS OF MASONRY REPAIR. ALL ABANDONED ANCHORS AND MISC. INCLUSIONS SHALL BE REMOVED AND SURROUNDING MASONRY REPAIRED. ALL ABANDONED MEP EQUIPMENT, CONDUIT, ANCHORS, ETC. SHALL BE REMOVED AND SURROUNDING MASONRY REPAIRED. THESE MINOR REPAIRS SHOULD NOT BE INCLUDED IN THE 100 S.F. OF TUCKPOINTING.

issued

BID DOCUMENTS

revised

STATE OF OHIO
KYLE D. ZEPERNICK
No. 10884
REGISTERED ARCHITECT

Kyle Zepernick, License #10884
Expiration Date 12-31-27

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300 DAYTON BLVD DAYTON, OHIO 45402
937.228.1511 F 937.228.9669

renovations to visitation building for:
clark county family services
525 e home road
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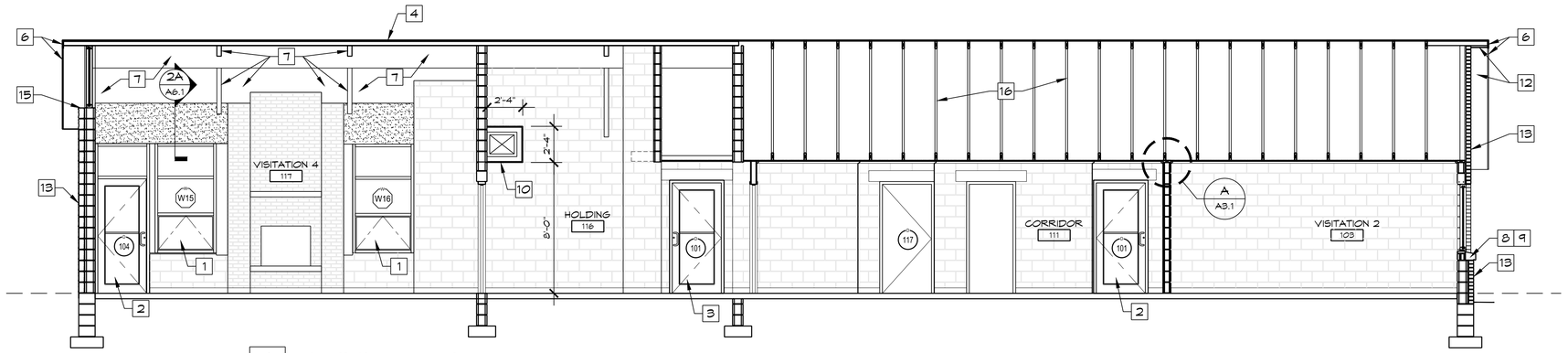
proposed exterior elevations

project number
251429
date
9/10/2026
drawn by
RMT
checked by
KDZ

sheet
A2.2

1 OF 7

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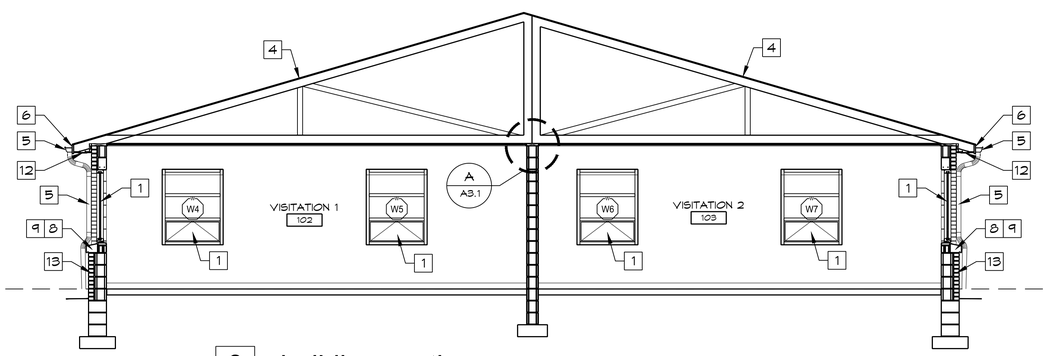


1 building section

1/4" = 1'-0"

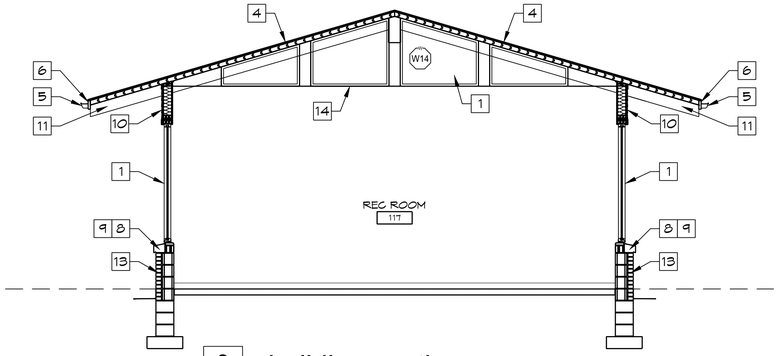
new work keynotes

1. INSTALL NEW ALUMINUM WINDOW, REFERENCE WINDOW SCHEDULE ON SHEET A6.1 AND SPECIFICATIONS.
2. BASE BID: NEW DOOR AND FRAME, REFERENCE DOOR SCHEDULE ON SHEET A6.1
3. ALTERNATE #2: NEW DOOR AND FRAME, BASE BID EXISTING TO REMAIN. REFERENCE DOOR SCHEDULE ON SHEET A6.1
4. NEW ASPHALT SHINGLED ROOF OVER EXISTING SINGLE LAYER ROOF. REFERENCE ROOF PLAN AND SPECIFICATIONS.
5. REPLACE EXISTING GUTTERS AND DOWNSPOUTS, REFERENCE ROOF PLAN AND SPECIFICATIONS.
6. CLAD EXISTING WOOD FASCIA FASCIA WITH ALUMINUM, ENTIRE BUILDING
7. CLEAN EXISTING EXPOSED WOOD DECK CEILING AND STRUCTURE. PATCH HOLES FROM REMOVAL ITEMS.
8. CLEAN EXISTING LIMESTONE SILL BAND. REFERENCE SPECIFICATIONS.
9. CLEAN EXISTING LIMESTONE SILL.
10. NEW SOFFIT, COORDINATE SIZE AND HEIGHT WITH MECHANICAL CONTRACTOR.
11. PREP AND PAINT EXISTING WOOD PERLINS.
12. INSTALL NEW CEMENT BOARD SOFFIT WITH VENTS, REFERENCE SPECIFICATIONS.
13. CLEAN EXISTING MASONRY AND INSTALL WATER REPELLANT, REFERENCE SPECIFICATIONS.
14. INSTALL NEW SILL FLASHING ENTIRE WIDTH OF WALL.
15. NEW CEMENT BOARD SIDING AND FRAMING, REFERENCE DETAIL 2A ON SHEET A6.1
16. EXISTING ROOF TRUSSES TO REMAIN



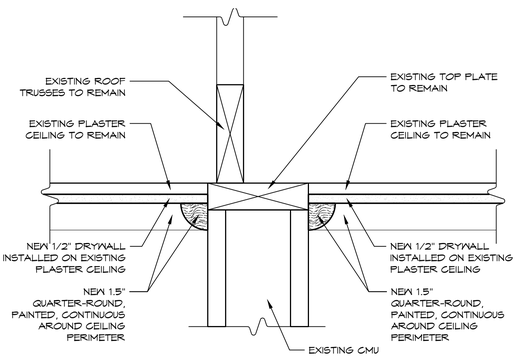
2 building section

1/4" = 1'-0"



3 building section

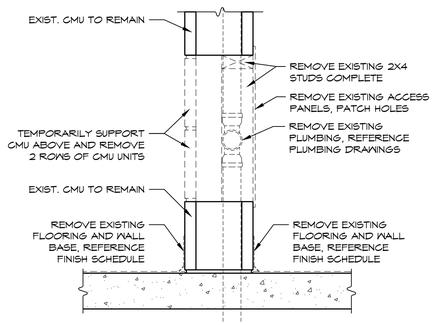
1/4" = 1'-0"



a detail

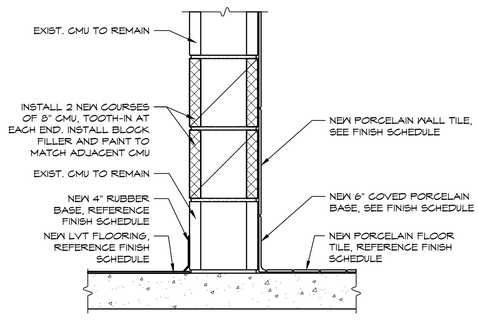
NOTE: APPLY PAINTED QUARTER ROUND TO ALL AREAS WITH EXPOSED TOP PLATE

3" = 1'-0"



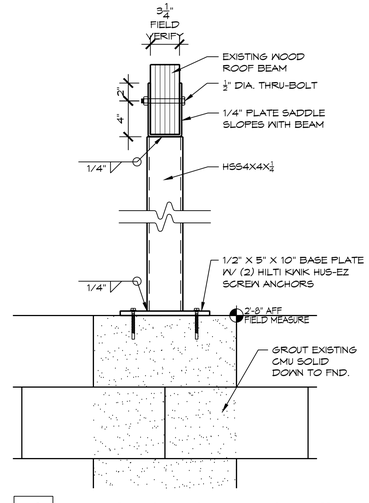
b detail - demo

1 1/2" = 1'-0"



c detail - proposed

1 1/2" = 1'-0"



d typical column detail

1 1/2" = 1'-0"

issued

BID DOCUMENTS

revised

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KYLE D. ZEPERNICK
No. 10884
REGISTERED ARCHITECT

Kyle Zepernick, License #10884
Expiration Date 12-31-27

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525 e home road
springfield, ohio 45503

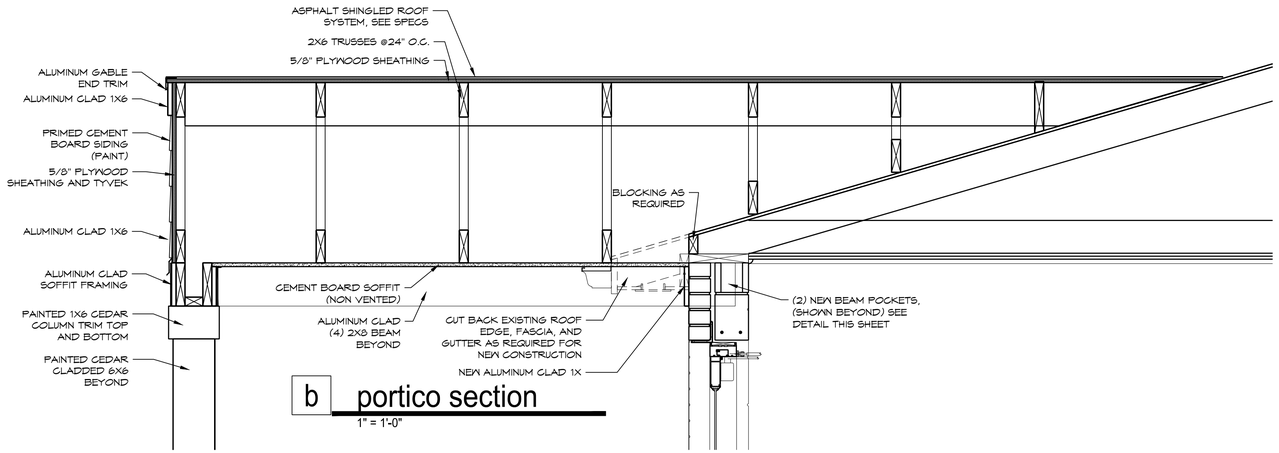
building sections

project number
251429
date
9/10/2026
drawn by
RMT
checked by
KDZ

sheet
A3.1

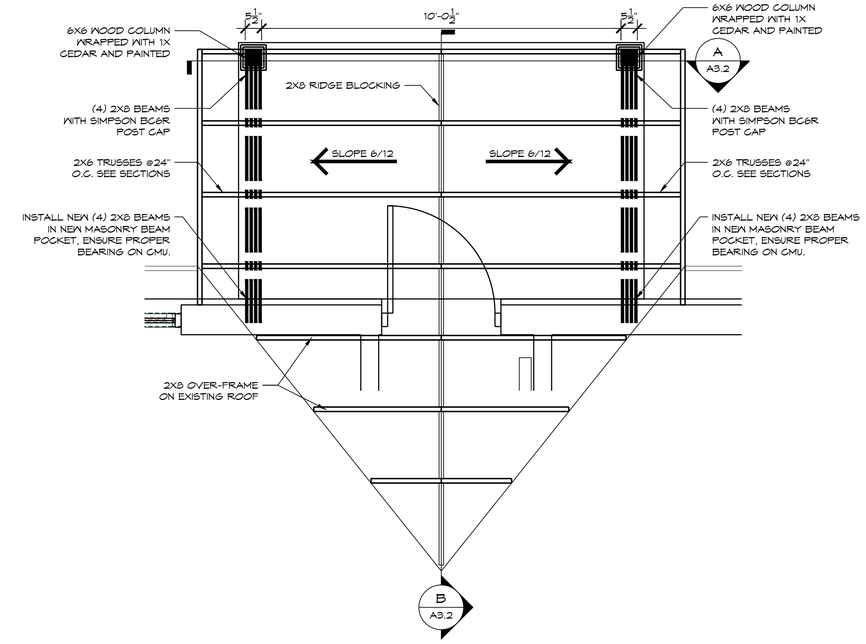
1 OF 7

DRAWING NAME: S:\JOBS\251429 CLARK COUNTY VISITATION BLDG\A2.1 ELEVATIONS.DWG
PLOTTED BY: RYAN TRAXLER PLOT DATE: 9/11/2026 1:33 PM
LAST SAVED BY: RTRAX 9/11/2026 1:29 PM



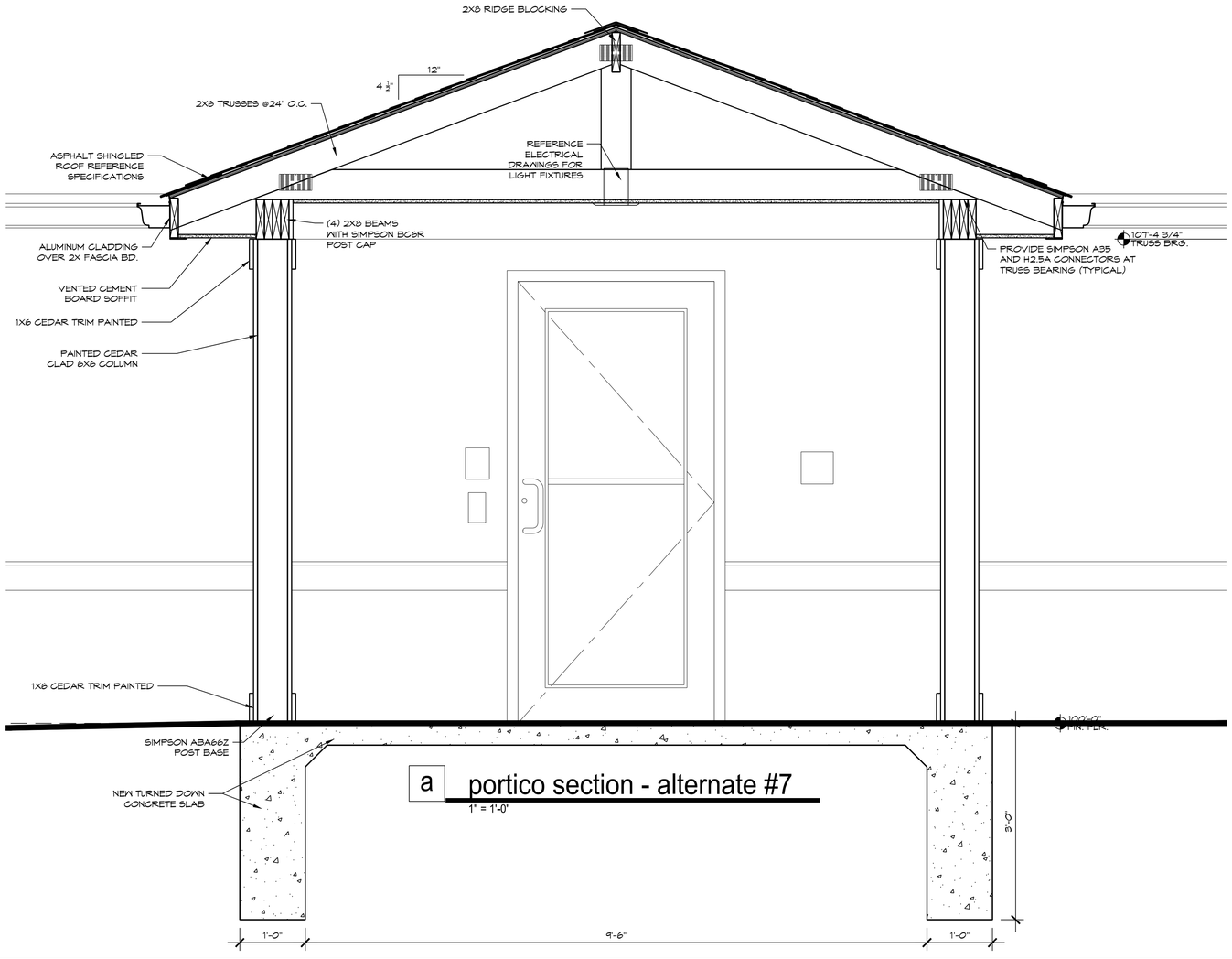
b portico section

1" = 1'-0"



1 portico roof framing plan (alternate #7)

1/2" = 1'-0"



a portico section - alternate #7

1" = 1'-0"

ALL WORK THIS SHEET IS PART OF DEDUCT ALTERNATE #7

issued

BID DOCUMENTS

revised

STATE OF OHIO
KYLE D. ZEPERNICK
No. 10884
REGISTERED ARCHITECT

Kyle Zepernick, License #10884
Expiration Date 12-31-27

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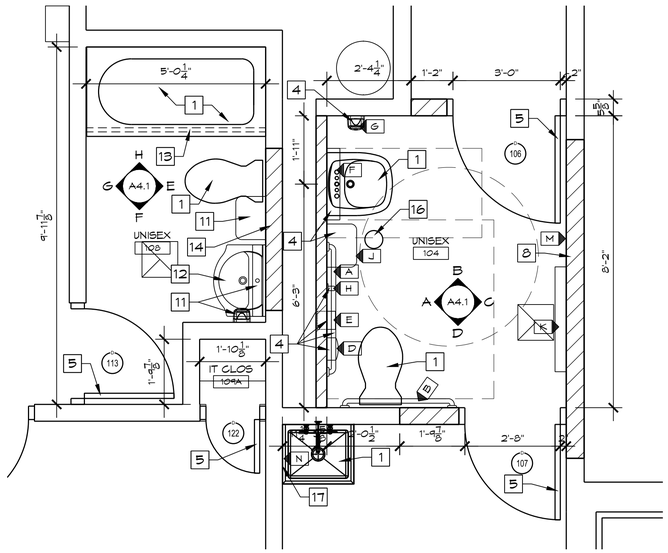
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ARCHITECTURE INTERIORS CODE CONSULTANTS
THE PARSONAGE HOUSE
300 S. PATTERSON BLVD DAYTON, OHIO 45402
937-228-1511 F 937-228-9569

renovations to visitation building for:
clark county family services
525 e home road
springfield, ohio 45503

portico details

project number
251429
date
9/10/2026
drawn by
RMT
checked by
KDZ

sheet
A3.2



1 enlarged plan

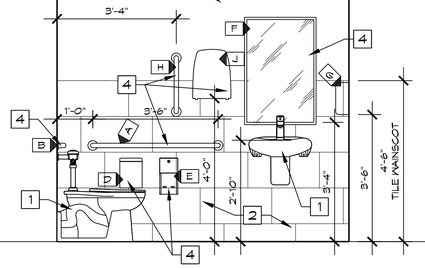
1/2" = 1'-0"

toilet accessory schedule

ITEM	DESCRIPTION	MANUF	MODEL	REMARKS
A	42" GRAB BAR	BOBRICK	B-6806 X 42	
B	36" GRAB BAR	BOBRICK	B-6806 X 36	
C	NOT USED	-	-	
D	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	
E	SURFACE MOUNTED TOILET TISSUE DISPENSER	SCOTT PRO	39709	
F	WOOD FRAMED MIRROR	RONBOW	603124-F13	
G	SURFACE MOUNTED SOAP DISPENSER	SCOTT	32504	
H	18" GRAB BAR	BOBRICK	B-6806 X 18	
J	AUTOMATIC ROLL PAPER TOWEL DISPENSER	SCOTT PRO	29739	HARD WIRE PROVIDE ADAPT.
K	BABY CHANGING STATION	KOALA KARE	KB200-SS	
L	ADA PIPE PROTECTION	TRU-BRO	LAVGUARD 2	
M	ROBE HOOK	BOBRICK	B-211	
N	MOP HOLDER	BOBRICK	B-224	

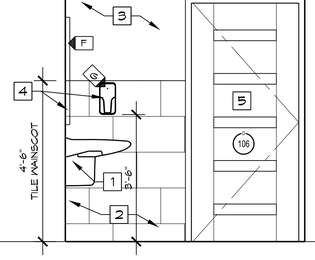
keynotes

1. NEW PLUMBING FIXTURE, SEE PLUMBING DRAWINGS
2. NEW TILE WAINSCOT AND COVED TILE BASE, SEE SPECIFICATIONS AND FINISH LIST
3. PAINT NEW OR EXISTING CMU PT-1
4. NEW TOILET ROOM ACCESSORY, REFERENCE SCHEDULE THIS SHEET.
5. NEW DOOR AND FRAME, REFERENCE DOOR SCHEDULE ON SHEET A6.3
6. NEW PAINTED 1 ½" QUARTER ROUND TRIM, ENTIRE PERIMETER OF ROOM.
7. INSTALL NEW ½" DRYWALL OVER EXISTING CEILING SURFACE, REFERENCE DEMO PLAN AND HAZARDOUS MATERIALS REPORT IN SPECIFICATIONS.
8. REMOVE EXISTING ACCESS PANELS AND INFILL OPENING WITH CMU PRIOR TO INSTALLING NEW TILE WAINSCOT, TOOTH-IN CMU.
9. PAINT EXISTING DRYWALL SOFFIT.
10. NEW SOLID SURFACE TUB SURROUND
11. EXISTING TOILET ROOM ACCESSORY TO REMAIN.
12. REMOVE AND REINSTALL EXISTING BATHROOM VANITY AND SINK AS REQUIRED FOR DEMOLITION AND NEW CONSTRUCTION. REFERENCE PLUMBING DRAWINGS.
13. REMOVE AND REINSTALL EXISTING SHOWER ROD AND CURTAIN AS REQUIRED FOR DEMOLITION AND NEW CONSTRUCTION.
14. REMOVE EXISTING PLUMBING ACCESS PANELS, INFILL OPENING, MATCH ADJACENT MATERIALS.
15. SCHEDULED FLOORING AND BASE, SEE FINISH SCHEDULE ON SHEET A5.1
16. NEW FLOOR DRAIN, REFERENCE PLUMBING DRAWINGS.
17. PROVIDE STAINLESS STEEL WALL PANELS ON 2 SIDES OF NEW FLOOR SINK. INSTALL MOP HOLDER "N" ABOVE.



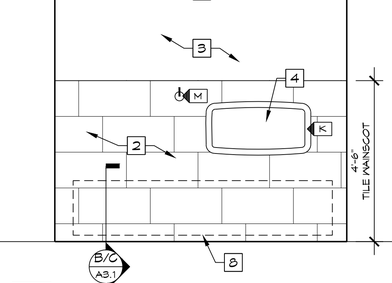
a #104 unisex elevation

1/2" = 1'-0"



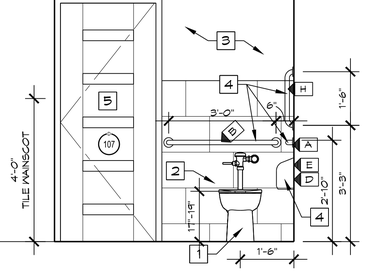
b #104 unisex elevation

1/2" = 1'-0"



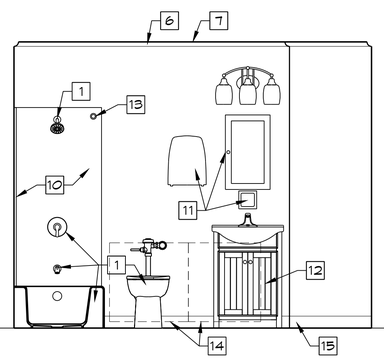
c #104 unisex elevation

1/2" = 1'-0"



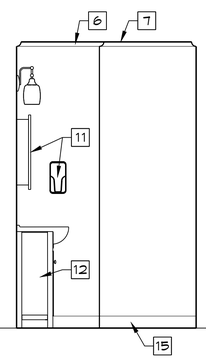
d #104 unisex elevation

1/2" = 1'-0"



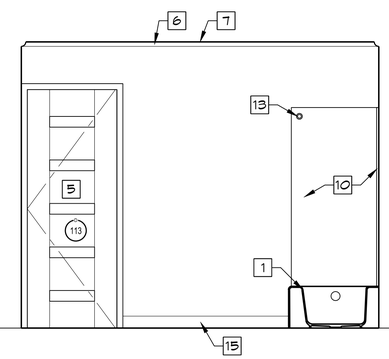
e #108 unisex elevation

1/2" = 1'-0"



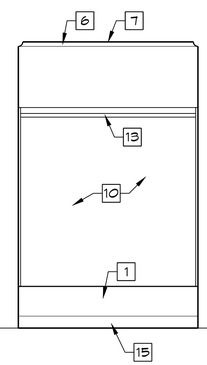
f #108 unisex elevation

1/2" = 1'-0"



g #108 unisex elevation

1/2" = 1'-0"



h #108 unisex elevation

1/2" = 1'-0"

issued

BID DOCUMENTS

revised



Kyle Zepernick, License #10884
Expiration Date 12-31-27

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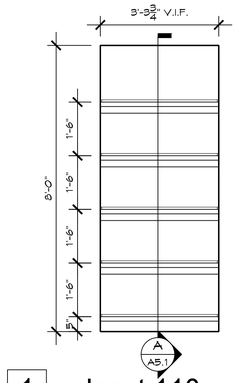
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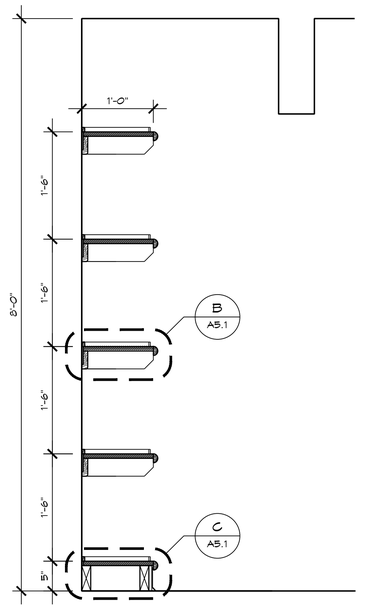
interior elevations

project number
251429
date
9/10/2026
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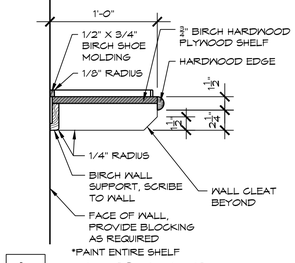
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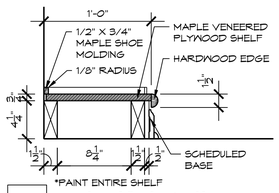
1 closet 110a elev.
1/2" = 1'-0"



a shelf section
1" = 1'-0"



b shelf detail
1 1/2" = 1'-0"



c shelf detail
1 1/2" = 1'-0"

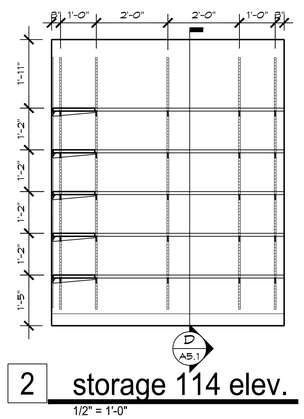
training building - finish schedule

ROOM #	ROOM NAME	FLOOR: LUXURY VINYL TILE (LVT-1)	FLOOR: CERAMIC TILE (CFT-1)	FLOOR: PAINTED CONCRETE	BASE: 4" COVED RUBBER BASE (RB-2)	BASE: CERAMIC TILE BASE	BASE: EXISTING	WALL: PAINT (PT-1)	WALL: TILE WAINSCOT	WALL: PAINT ACCENT WALL (PT-3)	WALL: EXISTING	CEILING: PAINT NEW GYP CEILING AND TRIM	CEILING: PAINT EXISTING GYP CEILING AND TRIM	CEILING: CLEAN EXIST. WOOD DECK	CEILING: EXISTING TO REMAIN	CEILING: CLG. HGT	MISCL.		REMARKS
101	CORRIDOR	●			●			●				●				8'-0"			
102	VISITATION 1	●			●			●		●		●				8'-0"			SEE NOTE #2 BELOW
103	VISITATION 2	●			●			●		●		●				8'-0"			SEE NOTE #2 BELOW
104	UNISEX TOILET RM		●			●		●	●			●				8'-0"			
105	MECHANICAL			●	●			●				●				8'-0"			
106	JANITOR		●			●		●				●				8'-0"			
107	OFFICE	●			●			●		●		●				8'-0"			SEE NOTE #2 BELOW
108	UNISEX TOILET RM	●			●			●				●				8'-0"			
109	OFFICE	●			●			●		●		●				8'-0"			SEE NOTE #2 BELOW
109A	IT CLOSET	●			●			●				●				8'-0"			
109B	STORAGE	●			●			●				●				8'-0"			
110	OFFICE	●			●			●		●		●				8'-0"			SEE NOTE #2 BELOW
110A	CLOSET	●			●			●				●				8'-0"			
111	CORRIDOR	●			●			●				●				8'-0"			
112	WORK ROOM	●			●			●				●				8'-0"			
113	VISITATION 3	●			●			●		●		●				8'-0"			SEE NOTE #2 BELOW
114	STORAGE	●			●			●					●			8'-0"			
115	CORRIDOR	●			●			●				●				8'-0"			
116	HOLDING	●			●			●						●		VARIES			
117	VISITATION 4	●			●			●						●		VARIES			
117A	CLOSET	●			●			●						●		VARIES			
118	STORAGE	●			●			●					●			8'-0"			
119	MECHANICAL			●			●	●							●	8'-0"			

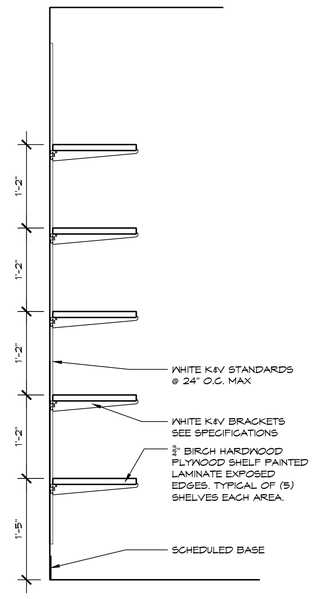
NOTES:
1. PAINT ALL EXISTING AND NEW EXPOSED CONDUIT AND WIREMOLD, INTERIOR AND EXTERIOR.
2. PAINT ONE WALL IN THE ROOM AN ACCENT COLOR AS DIRECTED BY THE ARCHITECT.

finish list

FLOORING						
LVT-1	LUXURY VINYL TILE	MANNINGTON	AMTICO	"CLOWES OAK"	6"X48"	
CT-1	CERAMIC FLOOR TILE	DALTILE	12X12 MOSAIC	ABSTRACT "LUMINARY WHITE"		MATTE FINISH
WALL BASE						
RB-1	RUBBER BASE	ROPPE	4" HIGH	COLOR: 678	"MOCHACCINO"	
CTB-1	CERAMIC TILE BASE	DALTILE	6" HIGH	DIGNITARY	"LUMINARY WHITE"	MATTE FINISH
WALL FINISHES						
PT-1	SHERWIN WILLIAMS	SW7102 "WHITE FLOUR" (FIELD PAINT)				
PT-3	SHERWIN WILLIAMS	SW 9147 "FAVORITE JEANS" (ACCENT PAINT)				
CWT-1	CERAMIC WALL TILE	DALTILE	12"X24"	DIGNITARY	"LUMINARY WHITE"	MATTE FINISH
CEILING						
PT-2	SHERWIN WILLIAMS	SW7006 "EXTRA WHITE"				
MISC						
SS-1	SOLID SURFACE SURROUND	TBD				



2 storage 114 elev.
1/2" = 1'-0"



d adjustable shelf section
1" = 1'-0"

issued
BID DOCUMENTS
revised

STATE OF OHIO
KYLE D. ZEPERNICK
No. 10884
REGISTERED ARCHITECT
Kyle Zepernick, License #10884
Expiration Date 12-31-27

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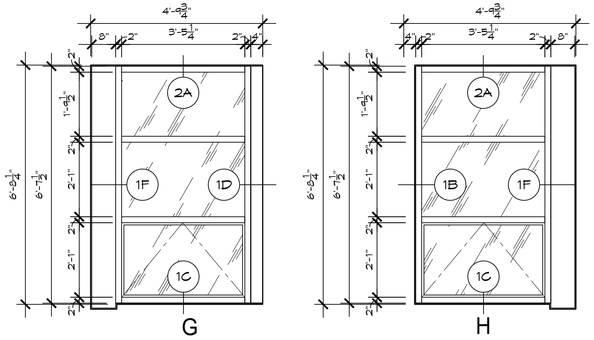
finish schedule, finish list

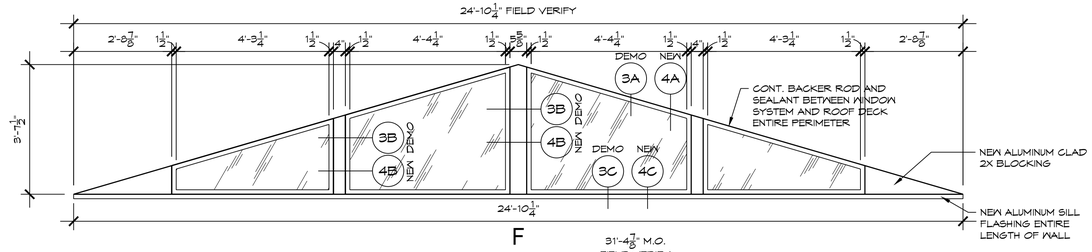
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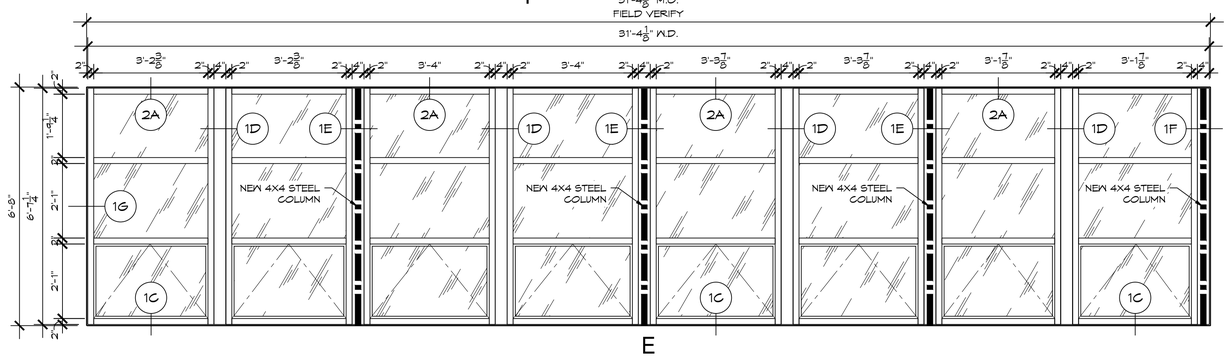
sheet
A5.1

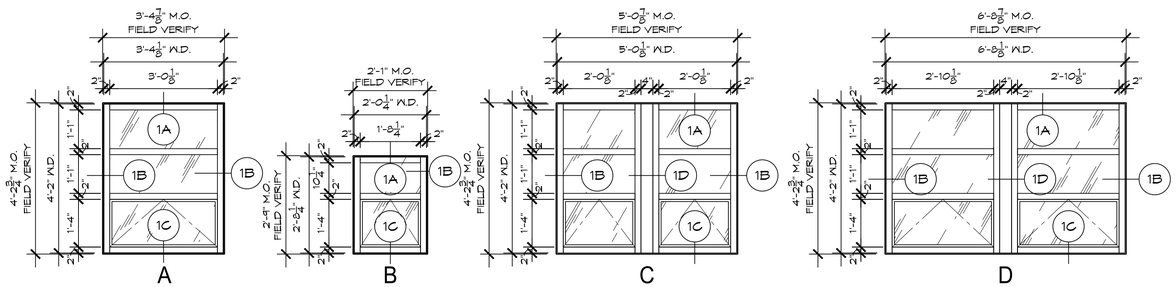
window schedule

MDW #	EXIST. R.O. FIELD VERIFY	GLAZING	MATERIALS: TYPE	ALUMINUM STOREFRONT WITH OPERABLE VENT	ALUMINUM STOREFRONT	WINDOW SHADE	DETAILS: HEAD	JAMB	SILL	MULLION	REMARKS
W1	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	
W2	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	
W3	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	
W4	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	
W5	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	
W6	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	
W7	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	
W8	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	
W9	80 7/8" X 50 3/4"	1" INSULATED GLAZING	C	●		●	1A	1B	1C	1G	
W10	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	
W11	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	
W12	80 7/8" X 50 3/4"	1" INSULATED GLAZING	D	●		●	1A	1B	1C	1G	
W13	31'-4 7/8" X 80"	1" INSULATED GLAZING	E	●		●	2A	1F 1G	1C	1G	
W14	24'-10 1/4" X 43 1/2"	1" INSULATED GLAZING	F		●		-	-	-	1G	
W15	51 3/4" X 80 1/4"	1" INSULATED GLAZING	G	●		●	2A	1B 1G	1C	-	
W16	51 3/4" X 80 1/4"	1" INSULATED GLAZING	H	●		●	2A	1B 1G	1C	-	
W17	25" X 33"	1" INSULATED GLAZING	B	●		●	1A	1B	1C	-	
W18	40 7/8" X 50 3/4"	1" INSULATED GLAZING	A	●		●	1A	1B	1C	-	

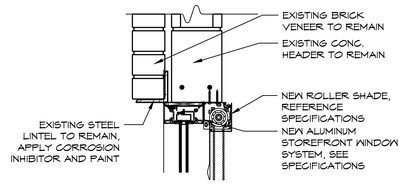




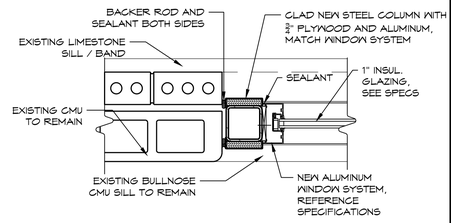




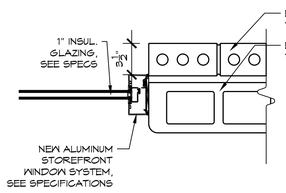
window type elevations
1/2" = 1'-0"



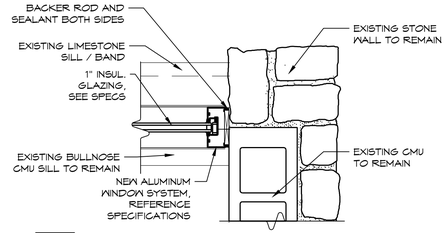
1a window head detail
1 1/2" = 1'-0"



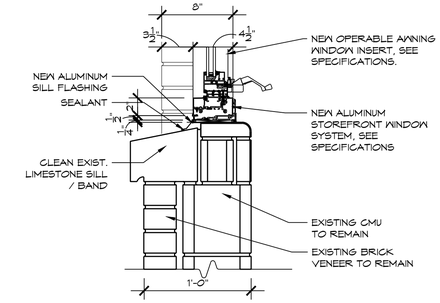
1f window jamb detail
1 1/2" = 1'-0"



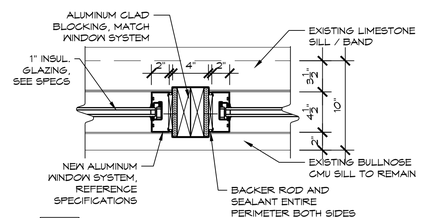
1b window jamb detail
1 1/2" = 1'-0"



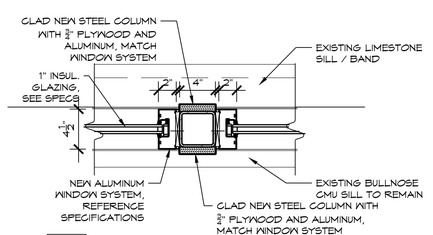
1g window jamb detail
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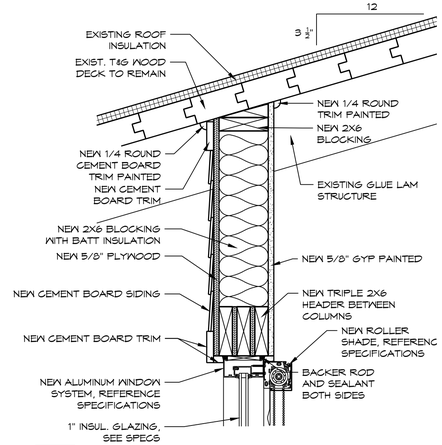
1c window sill detail
1 1/2" = 1'-0"



1d window jamb detail
1 1/2" = 1'-0"



1e window jamb detail
1 1/2" = 1'-0"



2a window head detail
1 1/2" = 1'-0"

issued

BID DOCUMENTS

revised

STATE OF OHIO
KYLE D. ZEPERNICK
No. 10884
REGISTERED ARCHITECT

Kyle Zepernick, License #10884
Expiration Date 12-31-27

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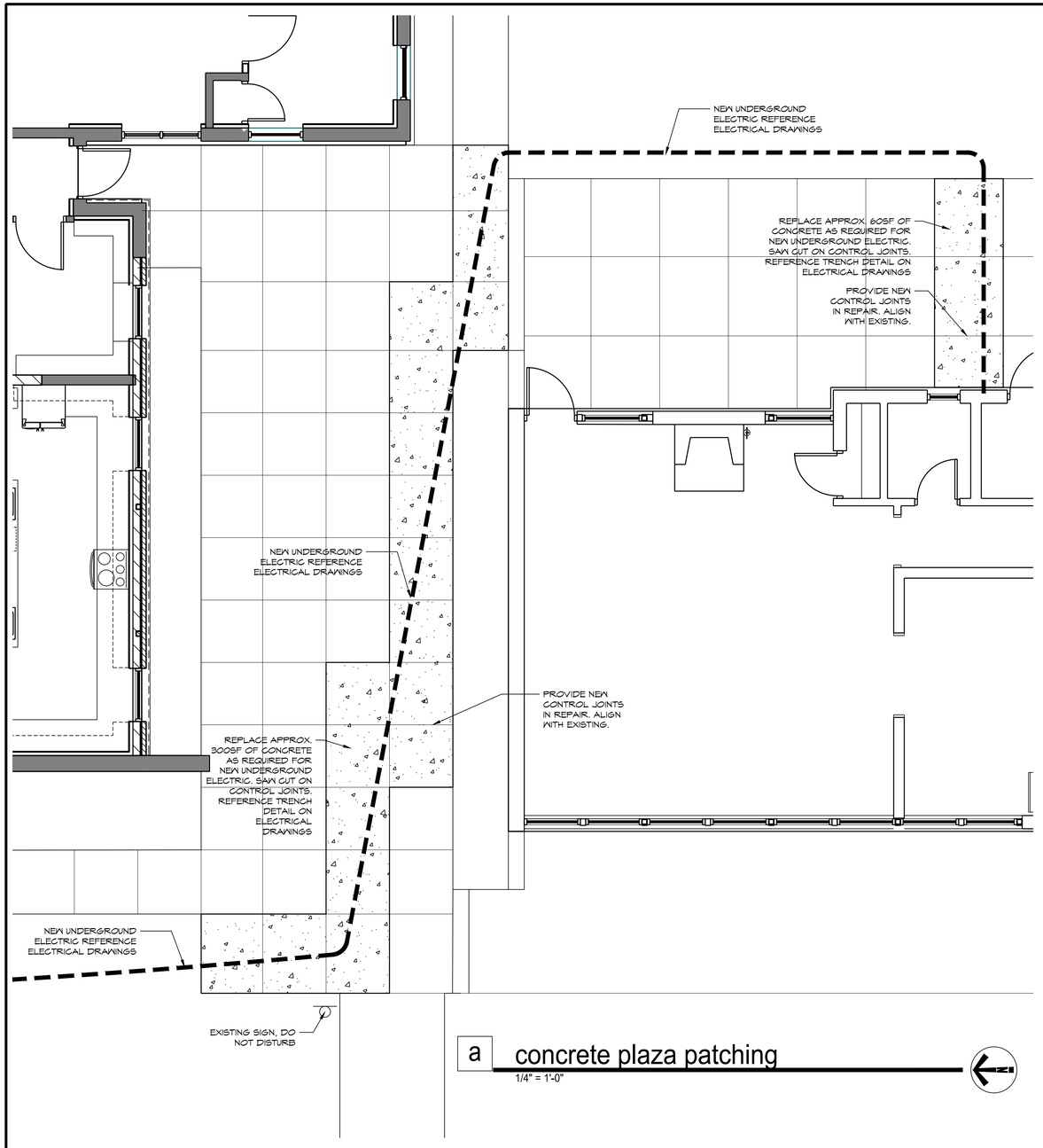
renovations to visitation building for:
clark county family services
525 e home road
springfield, ohio 45503

window schedules and elevations

project number
251429
date
9/10/2026
drawn by
RMT
checked by
KDZ

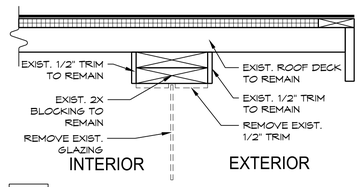
sheet
A6.1

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PLOTTED BY: RYAN TRAXLER PLOT DATE: 9/11/2026 1:35 PM
LAST SAVED BY: RTRAX 9/11/2026 1:26 PM



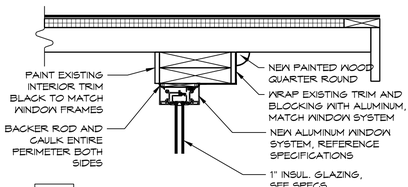
a concrete plaza patching

1/4" = 1'-0"



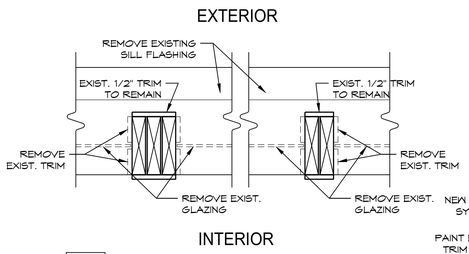
3a head detail - demo

1 1/2" = 1'-0"



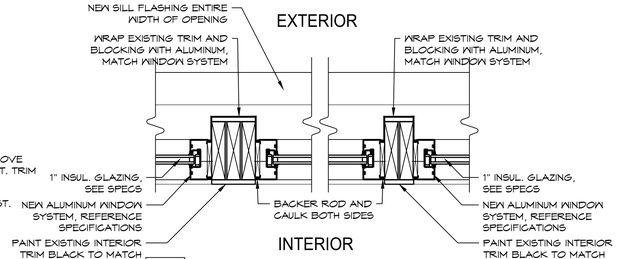
4a head detail

1 1/2" = 1'-0"



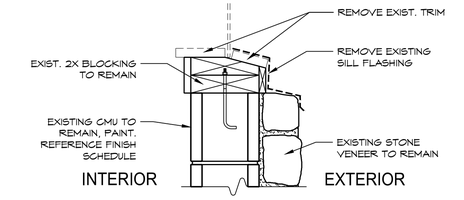
3b mullion detail - demo

1 1/2" = 1'-0"



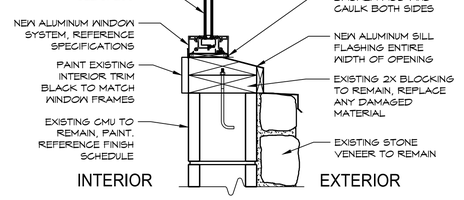
4b mullion detail

1 1/2" = 1'-0"



3c sill detail - demo

1 1/2" = 1'-0"



4c sill detail

1 1/2" = 1'-0"

issued

BID DOCUMENTS

revised



Kyle Zepernick, License #10884
Expiration Date 12-31-27

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renovations to visitation building for:
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window details

project number
251429
date
9/10/2026
drawn by
RMT
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KDZ

sheet
A6.2

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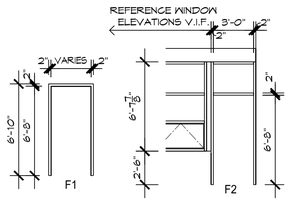
door schedule

DOOR #	DOOR SIZE	FRAME: ALUMINUM	FRAME: HOLLOW MTL	FRAME: EXIST. H.M.	DOOR: ALUMINUM	DOOR: INSUL. MTL	DOOR: WOOD STILE	DETAIL: HEAD	DETAIL: JAMB	DETAIL: SILL	GLAZING	FIRE RATING	HARDWARE SET	REMARKS
101	3'-0" X 6'-8"	F1			D3			3A	3B	1F	X		15	SEE NOTE #1 BELOW
102	3'-0" X 6'-8"	F1			D3			3A	3B	1F	X		12	SEE NOTE #1 BELOW
103	3'-0" X 6'-8"		F1			D4		3A*	3B*	1F			11	* SIMILAR, STEEL DOOR IN LIEU OF ALUMINUM
104	3'-0" X 6'-8"	F2			D3			**	4B	1F	X		12	SEE NOTE #1 BELOW ** SEE WINDOW HEAD DETAIL 2A ON A6.1
105	3'-0" X 6'-8"	F1			D3			3A	3B	1F	X		12	SEE NOTE #1 BELOW
106	3'-0" X 6'-8"		F1				D2	2A	2B	1G			01	
107	2'-8" X 6'-8"		F1				D2	2A	2B	1G			08	
108	3'-0" X 6'-8"		F1				D2	2A	2B	1D			13	
109	3'-0" X 6'-8"			F1			D1	2A	2B	1D	X		07	
110	3'-0" X 6'-8"			F1			D1	2A	2B	1D	X		07	
111	3'-0" X 6'-8"			F1			D1	2A	2B	1D	X		04	
112	2'-6" X 6'-8"			F1			D2	2A	2B	1E			10	
113	2'-6" X 6'-8"			F1			D2	2A	2B	1G			02	
114	2'-6" X 6'-8"			F1			D1	2A	2B	1D	X		03	
115	2'-6" X 6'-8"			F1			D1	2A	2B	1D	X		03	
116	2'-8" X 6'-8"			F1			D2	2A	2B	1D			14	
117	3'-0" X 6'-8"			F1			D1	2A	2B	1D	X		07	
118	2'-8" X 6'-8"			F1			D2	2A	2B	1D			10	
119	3'-0" X 6'-8"			F1			D1	1A	1B	1D	X		06	
120	2'-6" X 6'-8"			F1			D2	2A	2B	1D			09	
121	2'-8" X 6'-8"			F1			D2	2A	2B	1D			14	
122	1'-6" X 6'-8"			F1			D2	2A	2B	1D			05	

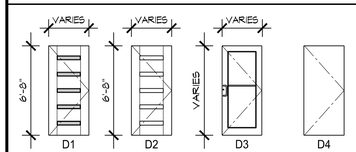
notes

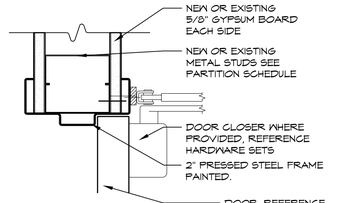
NOTE 1: REMOVE AND REINSTALL EXISTING SECURITY SYSTEM DOOR POSITION INDICATORS, MODIFY EXISTING SURFACE MOUNTED RACEWAY AS NECESSARY FOR REINSTALLATION.

frame types

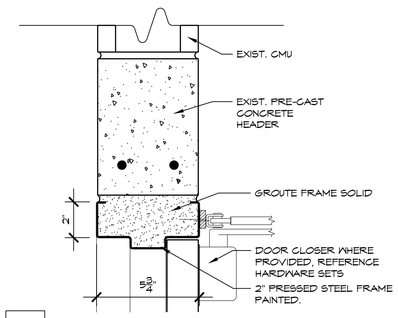


door types

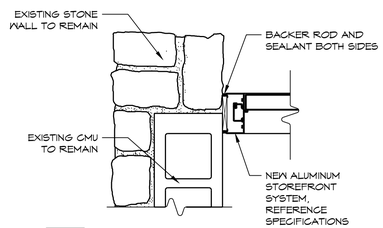




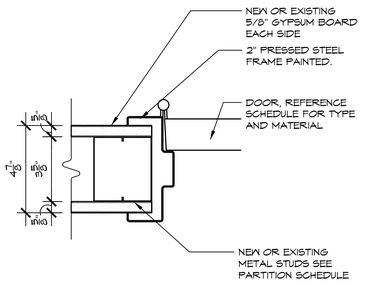
1a head detail
3" = 1'-0"



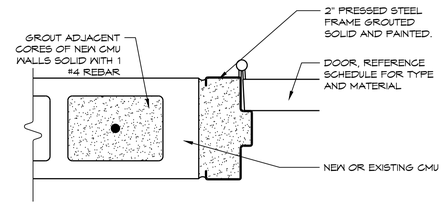
2a head detail
3" = 1'-0"



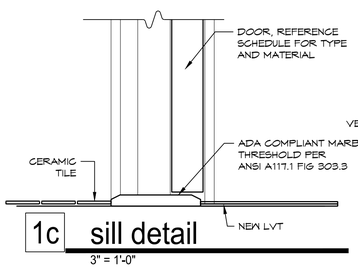
4b jamb detail
1 1/2" = 1'-0"



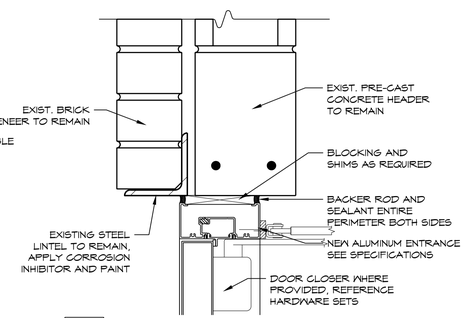
1b jamb detail
3" = 1'-0"



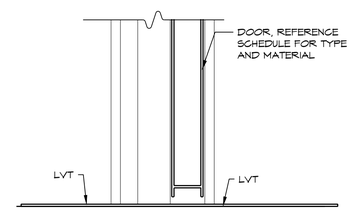
2b jamb detail
3" = 1'-0"



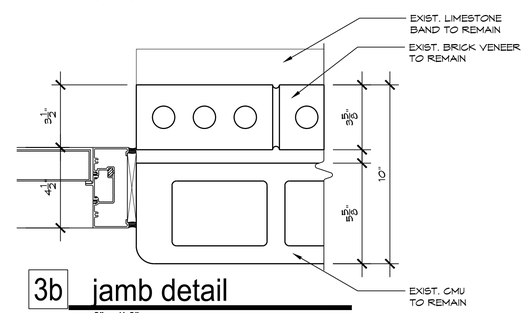
1c sill detail
3" = 1'-0"



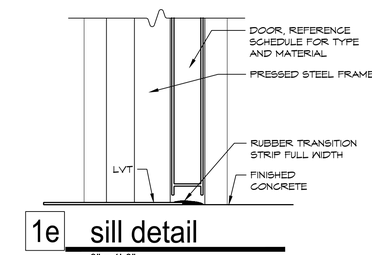
3a head detail
3" = 1'-0"



1d sill detail
3" = 1'-0"



3b jamb detail
3" = 1'-0"



1f sill detail
3" = 1'-0"

1e sill detail
3" = 1'-0"

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OHIO STATE OF OHIO
KYLE D. ZEPERNICK No. 10884
REGISTERED ARCHITECT
Kyle Zepernick, License #10884
Expiration Date 12-31-27

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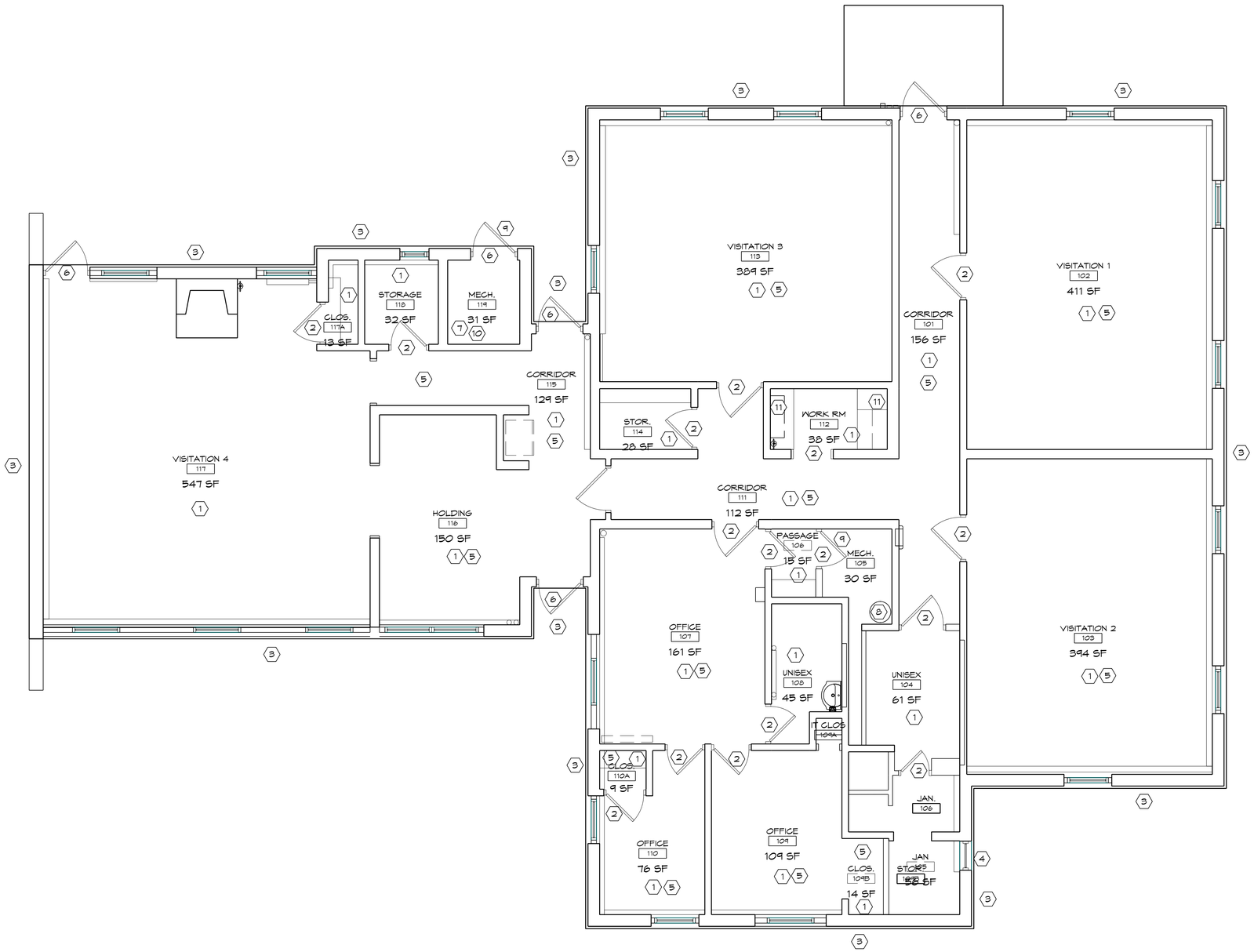
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door schedule

project number
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date
9/10/2026
drawn by
RMT
checked by
KDZ

sheet
A6.3

DRAWING NAME: S:\JOBS\251429 CLARK COUNTY VISITATION BLDG\A6.1 WINDOW SCHEDULES AND ELEVATIONS.DWG
PLOTTED BY: RYAN TRAXLER PLOT DATE: 9/11/2026 1:35 PM
LAST SAVED BY: RTRAX 9/11/2026 1:26 PM



asbestos abatement plan

1/4" = 1'-0"

asbestos abatement - coded notes

1. REMOVE AND DISPOSE OF ACM FLOOR TILE, FLOOR TILE MASTIC, AND ASSUMED ACM FLOOR LEVELER (IF PRESENT) LOCATED UNDER NON-ACM VINYL PLANK FLOORING.
2. REMOVE AND DISPOSE OF ACM CAULK ASSOCIATED WITH INTERIOR DOOR FRAMES (CAULK LOCATED BETWEEN FRAMES AND CONCRETE BLOCK). FOR PURPOSES OF THIS ITEM, ALL CAULK SHALL BE TREATED AS ACM REGARDLESS OF COLOR. CONTRACTOR SHALL USE CAUTION TO AVOID DAMAGE TO THE STEEL FRAME OR ADJACENT CONCRETE BLOCK.
3. REMOVE AND DISPOSE OF ACM CAULK ASSOCIATED WITH MASONRY LEDGE AROUND THE EXTERIOR PERIMETER OF THE ENTIRE BUILDING. FOR PURPOSES OF THIS ITEM, ALL CAULK SHALL BE TREATED AS ACM REGARDLESS OF COLOR.
4. REMOVE AND DISPOSE OF ACM CAULK ASSOCIATED WITH THE FRAME, SILL, AND LINTEL ASSOCIATED WITH WINDOW. FOR PURPOSES OF THIS ITEM, ALL CAULK SHALL BE TREATED AS ACM REGARDLESS OF COLOR. CONTRACTOR SHALL SECURE THE WINDOW OPENING FOLLOWING REMOVAL.
5. REMOVE AND DISPOSE OF BROWN MASTIC ASSOCIATED WITH NON-ACM ACOUSTICAL CEILING TILE. CONTRACTOR SHALL CAREFULLY REMOVE ACM MASTIC FROM THE CEILING SUBSTRATE WITHOUT CAUSING EXCESSIVE DAMAGE.
6. REMOVE AND DISPOSE OF ACM CAULK ASSOCIATED WITH ENTRANCE DOOR FRAMES AND LINTELS. FOR PURPOSES OF THIS ITEM, ALL CAULK SHALL BE TREATED AS ACM REGARDLESS OF COLOR. CONTRACTOR SHALL SECURE THE DOOR OPENING FOLLOWING REMOVAL.
7. REMOVE AND DISPOSE OF ASSUMED ACM BOILER FLUE AND ASSOCIATED SEALANTS AND INSULATION. FOLLOWING REMOVAL, THE CONTRACTOR SHALL PROPERLY SECURE THE ROOF OPENING TO ENSURE A DURABLE, WATER-TIGHT CONDITION.
8. REMOVE AND DISPOSE OF ASSUMED ACM HOT WATER HEATER FLUE AND ASSOCIATED SEALANTS AND INSULATION. FOLLOWING REMOVAL, THE CONTRACTOR SHALL PROPERLY SECURE THE ROOF OPENING TO ENSURE A DURABLE, WATER-TIGHT CONDITION.
9. REMOVE AND DISPOSE OF ASSUMED ACM FIRE-RATED DOORS.
10. REMOVE AND DISPOSE OF ASSUMED ACM BOILER COMPONENTS, INCLUDING BUT NOT LIMITED TO GASKETS, CHINKING, INSULATION, SEALANTS, MASTICS, BRICKS, ETC.
11. CONTRACTOR SHALL CAREFULLY REMOVE CABINETRY TO REMOVE ANY ACM FLOORING LOCATED UNDERNEATH. CABINETRY SHALL BE STORED FOR REINSTALLATION BY OTHERS.

general notes - asbestos abatement

A. ALL ASBESTOS ABATEMENT WORK SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS, INCLUDING BUT NOT LIMITED TO OSHA, FEDERAL EPA, OHIO EPA, AND THE REGIONAL AIR POLUTION CONTROL AGENCY, AS WELL AS THE ASBESTOS ABATEMENT SPECIFICATIONS PREPARED FOR THIS PROJECT.

B. THIS FACILITY IS CONSIDERED A CHILD-OCCUPIED BUILDING. DUE TO THE BUILDING'S AGE, ALL EXISTING PAINTS SHALL BE PRESUMED TO BE LEAD-BASED PAINT. ANY CONTRACTOR WHO DISTURBS LEAD-BASED PAINT DURING THE PROJECT MUST BE CERTIFIED BY THE EPA AS A LEAD-SAFE RENOVATION CONTRACTOR AND PERFROM WORK IN ACCORDANCE WITH THE RENOVATION, REPAIR, AND PAINTING (RRP) RULES.

C. CONTRACTOR SHALL MAINTAIN ALL REQUIRED LICENSES, CERTIFICATIONS, AND PERMITS FOR ASBESTOS ABATEMENT ACTIVITIES.

D. CONTRACTOR SHALL SUBMIT ALL REQUIRED NOTIFICATIONS TO REGULATORY AGENCIES WITHIN MANDATED TIMEFRAMES.

E. A COPY OF ALL PERMITS, LICENSES, CERTIFICAITONS, NOTIFICATIONS, MEDCIAL CLEARANCES, AND TRAINING CERTIFICATES SHALL BE KEPT ON_SITE AT ALL TIMES.

F. CONTRACTOR SHALL PROVIDE A SITE_SPECIFIC WORK PLAN, INCLUDING CONTAINMENT LAYOUT, DECONTAMINATION PROCEDURES, AND EMERGENCY RESPONSE PROTOCOLS, PRIOR TO MOBILIZATION.

G. WET METHODS SHALL BE USED FOR ALL DISTURBANCE, REMOVAL, AND HANDLING OF ASBESTOS_CONTAINING MATERIALS.

H. NO DRY SWEEPING, COMPRESSED AIR, OR OTHER PRACTICES THAT MAY CAUSE FIBER RELEASE ARE PERMITTED.

I. REMOVED ACM SHALL BE PROMPTLY CONTAINERIZED IN PROPERLY LABELED, LEAK_TIGHT CONTAINERS.

J. ALL TOOLS AND EQUIPMENT SHALL BE DELIVERED TO THE PROJECT SITE CLEAN AND DECONTAMINATED OF ASBESTOS AND OTHER HAZARDS FROM PRIOR PROJECTS, AND SHALL BE THOROUGHLY CLEANED AND DECONTAMINED PRIOR TO THEIR REMOVAL FROM THE REGULATED AREA AND PROJECT SITE.

K. ALL ASBESTOS WASTE SHALL BE DOUBLE_BAGGED OR WRAPPED IN 6_MIL POLYETHYLENE, LABELED PER DOT AND EPA REQUIREMENTS, AND TRANSPORTED BY A LICENSED HAULER.

L. WASTE MANIFESTS SHALL BE COMPLETED AND RETURNED TO THE OWNER UPON FINAL DISPOSAL.

M. DISPOSAL SHALL OCCUR ONLY AT AN EPA APPROVED ASBESTOS LANDFILL.

N. CONTRACTOR SHALL PROVIDE SITE_SPECIFIC HAZARD COMMUNICATION, PPE REQUIREMENTS, AND EMERGENCY PROCEDURES TO ALL WORKERS.

O. IN THE EVENT OF A CONTAINMENT BREACH, WORK SHALL STOP IMMEDIATELY AND CORRECTIVE MEASURES IMPLEMENTED BEFORE RESUMING.

P. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO STARTING WORK. ALL QUANTITIES AND LOCATIONS OF ASBESTOS-CONTAINING MATERIALS ARE APPROXIMATE. THE ABATEMENT CONTRACTOR IS RESPONSIBLE FOR FIELD-VERIFYING AND CONFIRMING THE ACTUAL QUANTITIES OF ASBESTOS-CONTAINING MATERIAL PRIOR TO SUBMITTING BIDS AND PERFORMING THE WORK.

Q. CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING UTILITY SHUTDOWNS, ACCESS RESTRICTIONS, AND SCHEDULING.

R. ANY CONCEALED OR UNEXPECTED ACM ENCOUNTERED SHALL BE REPORTED IMMEDIATELY FOR EVALUATION AND DIRECTION.

issued

BID DOCUMENTS

revised

Dayton Environmental Testing, LLC
"Protecting You With Our Experience"

renovations to visitation building for:
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hazardous materials abatement

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RMT
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KDZ

sheet
HM1.1

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MFGR	CONNECTION				COMPONENT	DESCRIPTION
			SAN	VENT	HOT	COLD		
BT-1	BATHTUB	STERLING/ CLEVELAND FAUCET GROUP/KOHLER	1 1/2"	1 1/2"	1/2"	1/2"	BASE	STERLING (A KOHLER COMPANY) MODEL NO. 71370110, 60" X 30" VIKRELL® ALCOVE BATHTUB, LEFT-HAND DRAIN. 16" INTEGRAL APRON. HIGH-GLOSS FINISH. MOLDED-IN SUPPORT STRUCTURE. DRY-BLOCK™ SEAL SYSTEM FOR WATERTIGHT INSTALLATION. TEXTURED SLIP-RESISTANT FLOOR. COLOR: WHITE.
							CONTROLS	CLEVELAND FAUCET GROUP NO. 45320 ASME A112.18.1 LISTED PRESSURE BALANCED SHOWER VALVE WITH INTEGRAL STOPS. PROVIDE CLEVELAND FAUCET GROUP TUB/SHOWER VALVE TRIM AND DIVERTER KIT. SHOWER HEAD NO. T42311CGR. ALL EXPOSED METAL SURFACES SHALL BE BRUSHER NICKEL FINISH. FIXED SHOWER HEAD LIMITED TO 1.75 GPM. EPA WATER SENSE LABELED.
							DRAIN	LEFT-HAND DRAIN OUTLET. 2" (51 MM) DRAIN CONNECTION. PROVIDE APPROVED WASTE AND OVERFLOW ASSEMBLY.
							TRAP	1-1/2" PVC DWV P-TRAP.
L-1	LAVATORY	AMERICAN STANDARD / DELTA	1 1/2"	1 1/2"	1/2"	1/2"	FIXTURE	AMERICAN STANDARD #0355.012 LUCERNE WALL-HUNG LAVATORY, VITREOUS CHINA, FRONT OVERFLOW, 20"X18", 4" FAUCET CENTERS WITH AMERICAN STANDARD #7500.
							FAUCET	170 FAUCET WITH GOOSENECK SPOUT & WRIST BLADE HANDLES, 0.5 GPM @ 60 PSI AERATOR, 1-1/4" GRID DRAIN & ADJUSTABLE P-TRAP.
							TRAP	1-1/4" CHROME-PLATED BRASS TRAP ASSEMBLY.
							STOP	1/2" ANGLE SUPPLY STOPS & RISERS
							CARRIER	"WATTS" MODEL CA-411 CONCEALED ARM FIXTURE CARRIER.
WC-1	WATER CLOSET	AMERICAN STANDARD	3"	2	-	1/2"	FIXTURE	MODEL 2467.100 FLOOR-MOUNTED ADA COMPLIANT CHAIR HEIGHT PRESSURE-ASSISTED TOILET. VITREOUS CHINA WATER CLOSET, ELONGATED BOWL, 16-1/2" TO RIM HEIGHT.
							FLUSH VALVE	HIGH-EFFICIENCY 1.1 GPF FLUSH WITH CLOSE-COUPLED TANK.
							SEAT	PROVIDE OPEN FRONT SEAT LESS COVER. INSTALL IN ACCORDANCE WITH ADA AND ICC A117.1 ACCESSIBILITY REQUIREMENTS.
							STOP	1/2" CHROME-PLATED ANGLE STOP WITH FLEXIBLE SUPPLY CONNECTION.
SS-1	MOP SINK		3"	1-1/2"	1/2"	1/2"	FIXTURE	FIAT MODEL MSB-2424 MOLDED-STONE FLOOR MOUNTED MOP SERVICE BASIN, 24"x24", 3" DRAIN, WITH MODEL 832-AA HOSE & BRACKET, MODEL MSG-2424 STAINLESS STEEL WALL GUARD.
							FAUCET	AMERICAN STANDARD #8344.111 EXPOSED YOLK WALL MOUNT UTILITY FAUCET, TOP BRACE, BUCKET HOOK, VACUUM BREAKER, HOSE END CONNECTION, STOPS IN SHANKS, 1/2" FNPT INLETS.

PLUMBING EQUIPMENT & ROUGH IN SCHEDULE

TAG	ITEM	ROUGH-INS				ELECTRICAL			DESCRIPTION
		CW	HW	DRAIN	GAS	POWER	VOLTAGE	PHASE	
EWC-1	ELECTRIC WATER COOLER	1/2"	-	1 1/2"	-	575 W	115V	1	MOUNT WALL-HUNG ELECTRIC WATER COOLER, MODEL LZS8WSLP, ADA-COMPLIANT 8 GPH REFRIGERATED UNIT. INSTALL PER MANUFACTURER'S INSTRUCTIONS, SET HEIGHTS, PROJECTIONS, AND CLEARANCES TO MEET ALL ADA ACCESSIBILITY REQUIREMENTS.

PLUMBING DRAIN & CLEANOUT ROUGH-IN & SCHEDULE

TAG	ITEM	OUTLET	DESCRIPTION
FD-1	FLOOR DRAIN W/ TRAP PRIMER	2"	WATTS MODEL FD-200-A FLOOR DRAIN, EPOXY COATED CAST IRON FLOOR DRAIN 6" DIA. X 1/4" THICK NICKEL BRONZE STRAINER, 2" DISCHARGE. COORDINATE COVER SHAPE WITH FLOOR FINISH AND ELEVATION. PROVIDE FLOOR DRAIN WITH TRAP PRIMER TAPPING.
CO-1	FLOOR CLEAN OUT	4"	WATTS MODEL CO-200-R CLEANOUT, EPOXY COATED CAST IRON FLOOR CLEANOUT 6" DIA. X 1/4" THICK NICKEL BRONZE STRAINER, 4" DISCHARGE. COORDINATE COVER SHAPE WITH FLOOR FINISH AND ELEVATION.
GCO	GRADE CLEAN OUT	4"	EJ GROUP (EAST JORDAN) MODEL 3661 HEAVY DUTY CAST IRON LAMPHOLE FRAME & COVER.

PIPING LINETYPES

- EXISTING PIPING TO REMAIN
- EXISTING PIPING TO BE REMOVED
- DOMESTIC COLD WATER PIPING
- DOMESTIC HOT WATER PIPING
- DOMESTIC HOT WATER RETURN PIPING
- SANITARY DRAIN PIPING
- SANITARY VENT PIPING
- GAS PIPING
- TP — TRAP PRIMER

MISCELLANEOUS SYMBOLS

- POC — POINT OF CONNECTION
- POR — POINT OF REMOVAL

PIPING SYMBOLS

- PA — PIPE ANCHOR
- PG — PIPE GUIDE
- EXPANSION JOINT
- VENTURI
- GATE VALVE
- GLOBE VALVE
- NEEDLE VALVE
- HOSE VALVE WITH CAP
- BUTTERFLY VALVE
- CHECK VALVE
- BACKFLOW PREVENTER
- BALANCING VALVE
- BALL VALVE
- PLUG VALVE
- S — SOLENOID VALVE
- SAFETY / PRESSURE RELIEF, ANGLE VALVE
- SAFETY / PRESSURE RELIEF, STRAIGHT THRU VALVE
- PRESSURE REGULATING VALVE
- AUTOMATIC CONTROL VALVE, 2 WAY
- AUTOMATIC CONTROL VALVE, 3 WAY
- LATERAL Y
- CAP
- ELBOW, 90°
- ELBOW, 90° TURNED UP
- ELBOW, 90° TURNED DOWN
- ELBOW, 45°
- TEE
- TEE, TURNED UP
- TEE, TURNED DOWN
- REDUCER, CONCENTRIC
- UNION
- STRAINER
- M — METER
- R — REGULATOR
- C.O. — CLEANOUT
- F.D. — FLOOR DRAIN
- E.T.R. — EXISTING TO REMAIN
- V.T.R. — VENT THRU ROOF

GENERAL PLUMBING NOTES:

1. PROVIDE PIPING SYSTEMS COMPLETE, UNLESS NOTED OTHERWISE. COMPLETE INSTALLATION SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL PIPE AND FITTINGS, PIPE HANGERS AND ANCHORS, EQUIPMENT, FIXTURES, SPECIALTIES, ETC. THIS CONTRACTOR SHALL COORDINATE PROVISIONS FOR PENETRATIONS IN BLOCK WALLS (I.E. SLEEVES, LINTELS, ETC.) WITH THE GENERAL CONTRACTOR.
2. THIS CONTRACTOR IS RESPONSIBLE FOR FILING ALL PERMIT APPLICATIONS AND ASSOCIATED COSTS WITH THE NECESSARY GOVERNING AUTHORITIES RELATIVE TO DOMESTIC WATER, NATURAL GAS, AND SANITARY SEWER INSTALLATION WORK ON THIS PROJECT. ALL WORK SHALL CONFORM TO ALL CODES THAT APPLY (MATERIAL AND LABOR), INCLUDING ALL CURRENT 'ADA' REQUIREMENTS WHERE APPLICABLE.
3. CONSULT THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS TO AVOID INTERFERENCES AND CONFLICTS WITH OTHER TRADES. THIS CONTRACTOR WILL BE EXPECTED TO COVER ALL REWORK COSTS DUE TO LACK OF COORDINATION BY THIS CONTRACTOR.
4. FIELD VERIFY ALL EXISTING PIPE SIZES, LOCATIONS, RELATIVE DIMENSIONS, ETC.
5. CONCEAL ALL PIPES WITHIN WALLS OR CHASES WHENEVER PRACTICAL.
6. MAINTAIN DIMENSIONED "AS-BUILT" DRAWINGS FOR ALL UNDERGROUND UTILITIES DURING CONSTRUCTION AND PROVIDE TO ARCHITECT AT PROJECT COMPLETION.
7. ALL WORK SHALL CONFORM TO ASSOCIATED SPECIFICATIONS.
8. DEMONSTRATE OPERATION OF ALL SYSTEMS AND EQUIPMENT TO THE OWNER. THE OPERATING AND SERVICE MANUALS FOR ALL EQUIPMENT SHALL BE FURNISHED TO THE OWNER.
9. PROVIDE DOMESTIC HOT AND COLD WATER DISTRIBUTION TO ALL NECESSARY LOCATIONS INCLUDING ALL VALVES, FITTINGS, HANGERS, BACKFLOW PREVENTERS, WATER HEATERS, ETC.
10. WATER PIPING SHALL BE INSTALLED MEETING THE REQUIREMENTS OF OBC - PLUMBING CODE, LATEST EDITION, AND AS DESCRIBED BELOW.
    A. PIPING SHALL BE SUPPORTED WITH 3/8" ALL THREAD AND CLEVIS HANGERS AND IN ACCORDANCE WITH SECTION 308 OF THE OBC - PLUMBING CODE, LATEST EDITION.
    B. INSULATE DOMESTIC HOT AND COLD WATER DISTRIBUTION INCLUDING FITTINGS.
    C. PROVIDE SERVICE VALVES ON DOMESTIC HOT AND COLD WATER DISTRIBUTION TO EACH FIXTURE. ALL VALVES SHALL BE LOCATED IN CONVENIENT LOCATIONS.
    D. HOSE BIBBS SHALL BE MOUNTED AT 24" ABOVE GRADE, UNLESS NOTED OTHERWISE.
    E. PROVIDE WATER HAMMER ARRESTERS AT ALL EQUIPMENT WITH QUICK CLOSING VALVES.
    F. DOMESTIC WATER PIPING SHALL BE ASTM B 88 TYPE L, HARD COPPER TUBE WITH SOLDERED FITTINGS ASME B16.18 CAST COPPER ALLOY OR ASME B16.22 WROUGHT COPPER. ALL JOINTS SHALL BE SOLDERED WITH ASTM B 32 95-5 TIN-ANTIMONY SOLDER OR APPROVED EQUAL.
    G. PIPE INSULATION SHALL BE 1" THICK WITH ALL SERVICE JACKET. THE INSULATING BLANKET SHALL HAVE A "U" VALUE OF 0.28 BTUH-IN/SQ.FT.-°F AT 100°F MEAN TEMPERATURE DIFFERENCE AND A COMPOSITE FIRE AND SMOKE HAZARD RATING, AS TESTED BY PROCEDURE ASTM E-84, NFPA 255 AND UL 723, NOT EXCEEDING FLAME SPREAD 25 AND SMOKE DEVELOPED 50. PIPE INSULATION SHALL BE AS MANUFACTURED BY KNAUF OR APPROVED EQUAL ALL INSULATION JOINTS SHALL BE TIGHTLY BUTTED AND COVERED WITH 4" WIDE X .0025" FOIL TAPE ADHERED WITH LAP SEAL ADHESIVE TO PROVIDE A COMPLETE VAPOR BARRIER ENVELOPE.
11. PROVIDE SANITARY SEWER TO ALL NECESSARY LOCATIONS INCLUDING FLOOR DRAINS, CLEANOUTS, TRAPS, VENTS, ETC.
12. SANITARY SEWER SHALL BE INSTALLED MEETING THE REQUIREMENTS OF OBC - PLUMBING CODE, LATEST EDITION, AND AS DESCRIBED BELOW.
    A. SANITARY SEWER PIPE SHALL BE INSTALLED WITH 1/4" PER FOOT MINIMUM SLOPE, UNLESS NOTED OTHERWISE.
    B. EXPOSED TRAPS AND TRIM SHALL BE BRIGHT CHROME, UNLESS OTHERWISE NOTED. PLUMBING FIXTURES SHALL BE WHITE, UNLESS OTHERWISE NOTED.
    C. VENTS SHALL BE LOOPED ABOVE SUSPENDED CEILING AND / OR WITHIN ATTIC TO MINIMIZE ROOF PENETRATIONS.
    D. PVC NOT ACCEPTABLE FOR VENT PIPING IN CEILING PLENUM SPACES.
    E. PVC PIPE IS ACCEPTABLE FOR WASTE AND VENT PIPING. COORDINATE PIPE MATERIALS AND CEILING PLENUMS.
    F. THIS CONTRACTOR SHALL REFERENCE ARCHITECTURAL SHEETS FOR PLUMBING FIXTURE LOCATIONS, MOUNTING HEIGHTS, ETC.
    G. FLOOR DRAINS SHALL HAVE TRAP PRIMER CONNECTIONS, UNLESS OTHERWISE NOTED.

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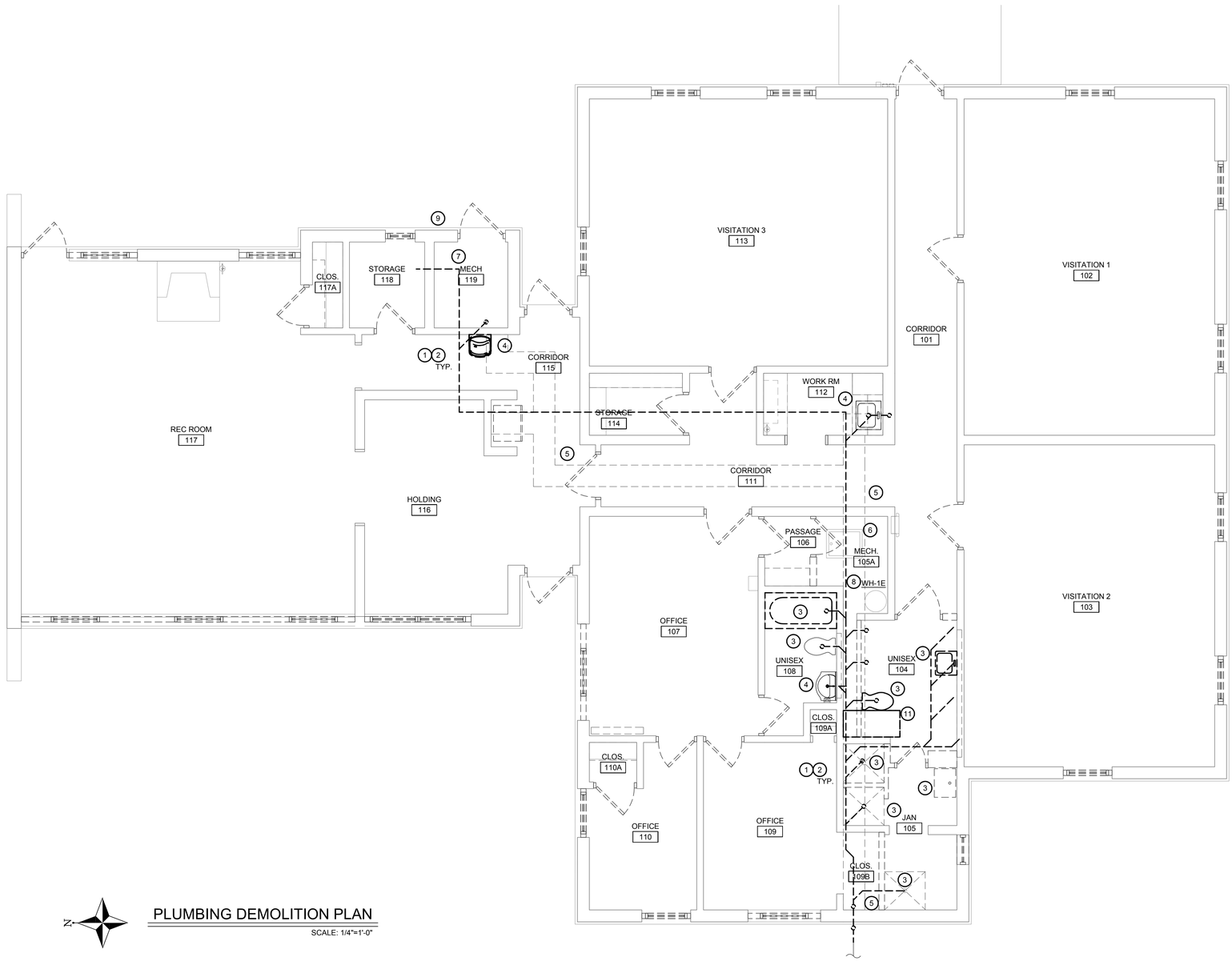
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visitation building renovations for:
clark county family services
525 e home road
springfield, ohio 45503

plumbing general notes and legends

project number
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PLUMBING DEMOLITION PLAN

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

DEMOLITION NOTES:

1. THE BUILDING IS TO BE PROVIDED WITH A NEW SANITARY SYSTEM THROUGHOUT. PORTIONS OF THE EXISTING PIPE MAY BE ABANDONED IN PLACE SO LONG AS IT DOES NOT OBSTRUCT NEW WORK OR CLEAN FINISHES.
2. WATER SUPPLY CURRENTLY RUN BELOW SLAB (NOT SHOWN). THIS SYSTEM IS TO BE ABANDONED. UNLESS OTHERWISE DIRECTED, REMOVE PIPE TO POINT WITHIN WALLS AND BELOW SLAB SO AS NOT TO BE AN OBSTRUCTION FOR NEW WORK. CAP PIPE AND PATCH THE WALLS AND FLOOR.
3. DEMO EXISTING PLUMBING FIXTURE.
4. REMOVE EXISTING PLUMBING FIXTURE AND SALVAGE FOR REINSTALLATION. STORE IN SAFE LOCATION UNTIL READY FOR REINSTALLATION.
5. SAWCUT AND TRENCH FLOOR TO ACCOMODATE THE NEW FIXTURE LAYOUT.
6. ATTIC ACCESS.
7. EXISTING WATER SERVICE MAIN ENTRANCE. PIPE STUBS UP THROUGH FLOOR AND BACK DOWN INTO FLOOR. DEMO AND CAP THE PORTION THAT GOES TO BELOW FLOOR. CUTTING OF THE FLOOR NOT REQUIRED AT THIS LOCATION. REPLACE VALVE WITH NEW BALL VALVE. CAMPUS METER LOCATED ELSEWHERE.
8. EXISTING WATER HEATER TO REMAIN. MODIFY SUPPLY PIPE FOR REVISED SERVICE WATER PIPE.
9. EXISTING HOSE BIBB TO BE REPLACED.

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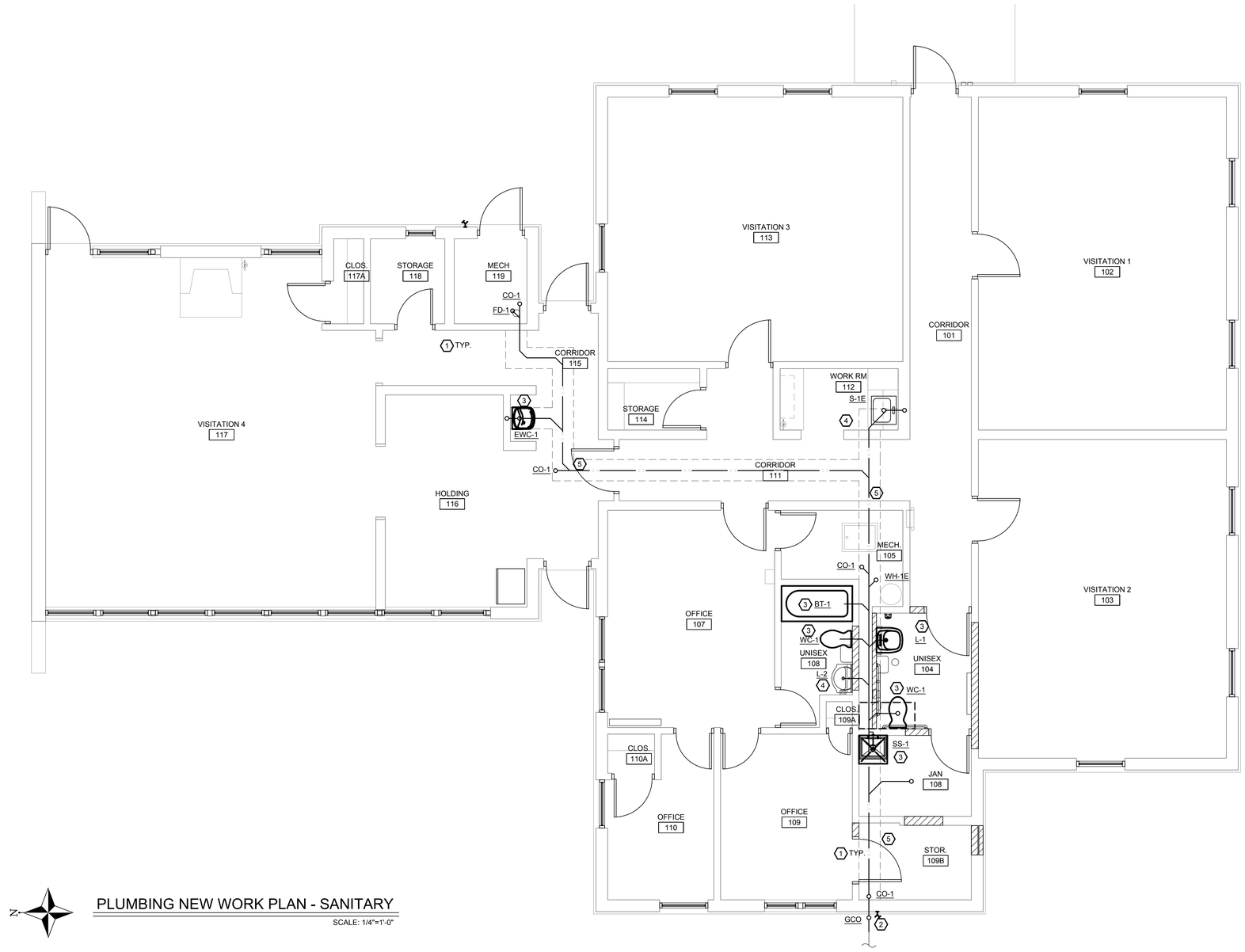
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sanitary

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PLUMBING NEW WORK PLAN - SANITARY

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

INSTALLATION NOTES:

1. PROVIDE NEW SANITARY DRAIN AND VENT PIPE THROUGHOUT BUILDING.
2. PROVIDE CAP FOR EXISTING SANITARY CLEANOUT.
3. PROVIDE NEW FIXTURE ROUTE NEW SANITARY AND VENT PIPE TO SERVE FIXTURE.
4. REINSTALL SALVAGED FIXTURE.
5. FILL AND PATCH FLOOR TO MATCH FINISH.

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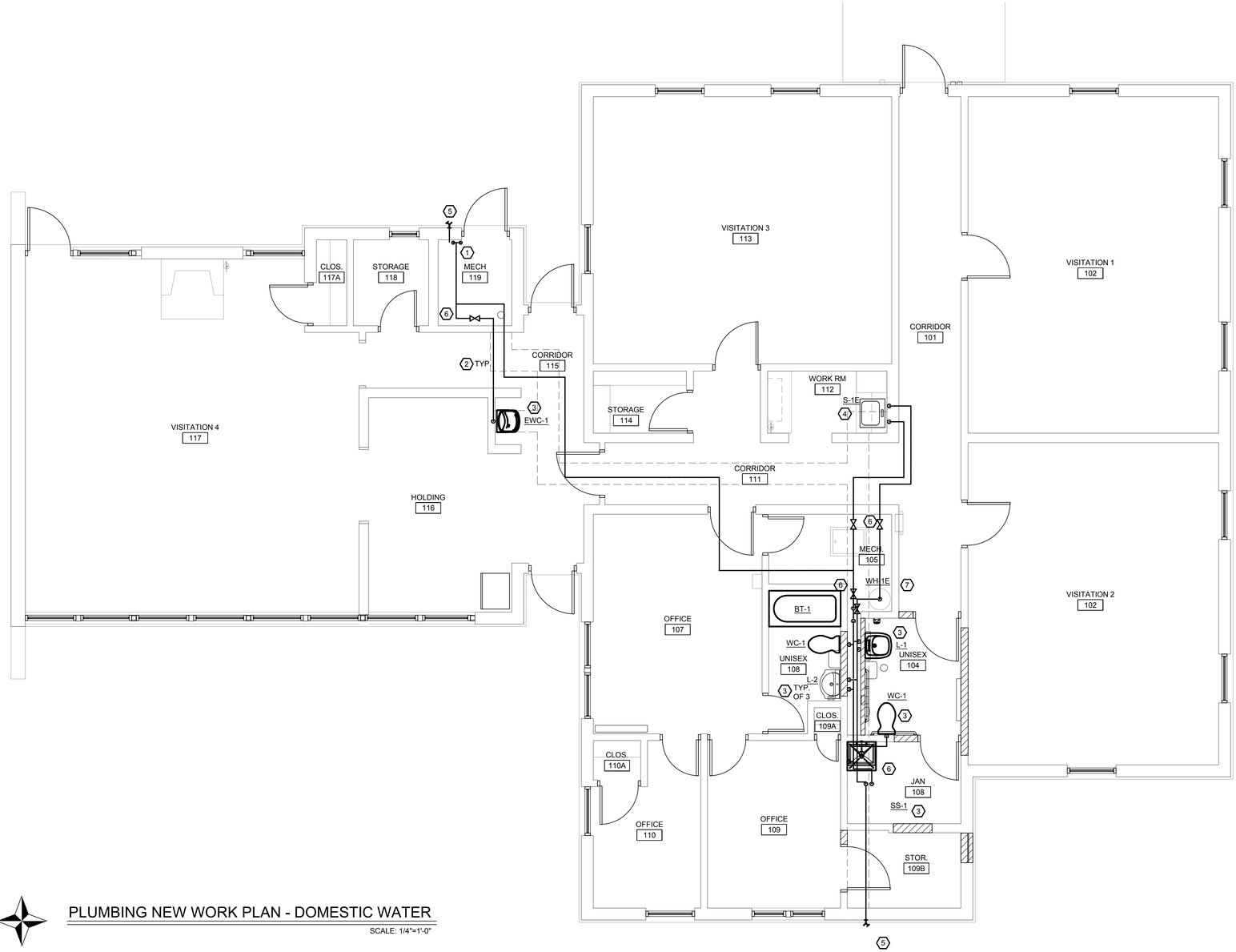
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INSTALLATION NOTES:

1. EXISTING WATER SERVICE MAIN ENTRANCE. PROVIDE NEW BALL VALVE AND MODIFY PIPE TO ROUTE PIPE ABOVE CEILING. THE HEAT TRACE ON THE PIPE MAY BE ELIMINATED AS THE ROOM WILL NO LONGER HOUSE GAS FIRED EQUIPMENT AND THE DOOR WILL BE REPLACED BY OTHERS FOR A DOOR WITHOUT A LOUVER. THIS BUILDING IS PART OF A CAMPUS. THE WATER METER AND DELINEATION BETWEEN UTILITY AND CUSTOMER ARE OUTSIDE THIS BUILDING.
2. PROVIDE ALL NEW WATER SERVICE PIPE WITHIN BUILDING. ROUTE PIPE ABOVE CEILING BELOW INSULATION. COORDINATE WITH GENERAL CONTRACTOR.
3. PROVIDE NEW FIXTURE. ROUTE NEW WATER FEED FROM TO THE FIXTURE.
4. REINSTALL SALVAGED FIXTURE.
5. REPLACE EXISTING HOSE BIBB.
6. PROVIDE SERVICE VALVE IN MECHANICAL ROOM TO ALLOW FOR ISOLATION OF BATHROOM FIXTURE GROUPS ON BOTH HOT AND COLD WATER AS APPLICABLE. PROVIDE VALVES DEDICATED FOR THE DRINKING FOUNTAIN, WORK ROOM 112 SINK, UNISEX RESTROOM 104, UNISEX BATHROOM 108, AND JANITOR CLOSET ###.
7. REINSTALL EXISTING WATER HEATER WITH NEW HOT AND COLD PIPE.

PLUMBING NEW WORK PLAN - DOMESTIC WATER

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

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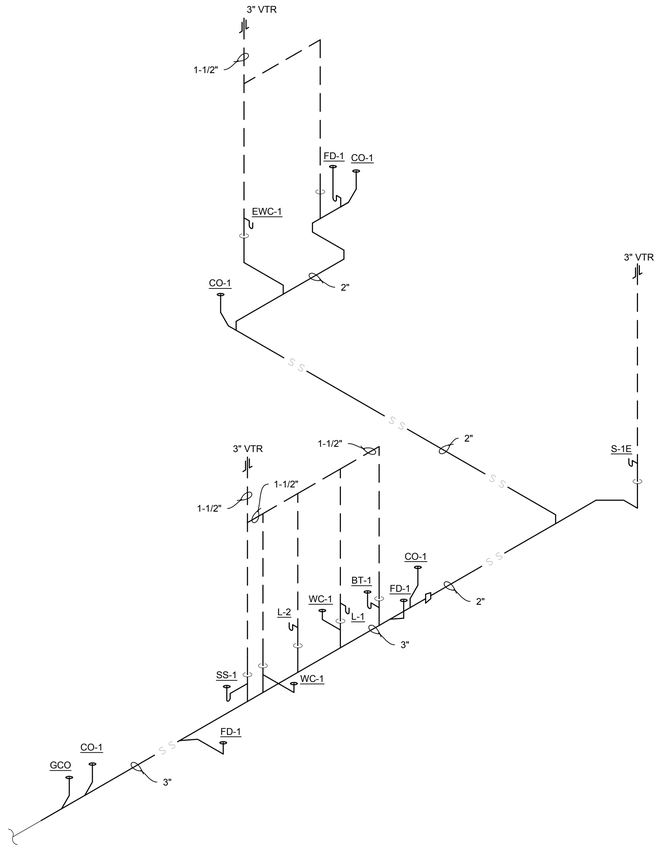
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SCALE: NO SCALE

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SINGLE LINE DUCTWORK SYMBOLS

- 12x6 - RECTANGULAR DUCT (FIRST FIGURE IS FOR SIDE SHOWN, SECOND FIGURE IS FOR SIDE NOT SHOWN)
- 8"Ø - ROUND DUCT
- 36x18Ø - FLAT OVAL DUCT (FIRST FIGURE IS FOR SIDE SHOWN, SECOND FIGURE IS FOR SIDE NOT SHOWN)
- FLEXIBLE ROUND DUCT
- FLEXIBLE DUCT CONNECTION
- VOLUME DAMPER
- M - MOTORIZED DAMPER
- BDD - BACK DRAFT DAMPER
- FD - FIRE DAMPER, 1 1/2 HOUR FIRE RATED
- 3FD - FIRE DAMPER, 3 HOUR FIRE RATED
- FSD - COMBINATION FIRE/SMOKE DAMPER
- SD - SMOKE DAMPER
- DUCT TRANSITION
- R - INCLINED RISE WITH RESPECT TO AIR FLOW, RECTANGULAR
- D - INCLINED DROP WITH RESPECT TO AIR FLOW, RECTANGULAR
- R - INCLINED RISE WITH RESPECT TO AIR FLOW, ROUND OR FLAT OVAL
- D - INCLINED DROP WITH RESPECT TO AIR FLOW, ROUND OR FLAT OVAL
- 90° ELBOW (SMOOTH OR 5 PIECE ELBOW)
- 45° ELBOW (SMOOTH OR 3 PIECE ELBOW)
- DF - DIVIDED FLOW FITTING, RECTANGULAR
- RECTANGULAR TAP-IN BRANCH OR ROUND OR FLAT OVAL CONICAL TEE
- INCLINED CONICAL TAKE-OFF, ROUND OR FLAT OVAL
- "Y" FITTING, ROUND OR FLAT OVAL
- 90° ELBOW TURNED UP, RECTANGULAR
- 90° ELBOW TURNED DOWN, RECTANGULAR
- 90° ELBOW TURNED UP, ROUND; FLAT OVAL SIMILAR
- 90° ELBOW TURNED DOWN, ROUND; FLAT OVAL SIMILAR
- SPS - STATIC PRESSURE SENSOR
- END OF DUCT RUN
- T - THERMOSTAT
- TERMINAL REHEAT BOX

PIPING LINETYPES

- EXISTING PIPING TO REMAIN
- EXISTING PIPING TO BE REMOVED
- RL - REFRIGERANT SUPPLY PIPING
- RS - REFRIGERANT RETURN PIPING
- HWS - HOT WATER SUPPLY PIPING
- HWR - HOT WATER RETURN PIPING
- CWS - CHILLED WATER SUPPLY PIPING
- CWR - CHILLED WATER RETURN PIPING
- G - GAS PIPING

MISCELLANEOUS SYMBOLS

- POC - POINT OF CONNECTION
- POR - POINT OF REMOVAL

DOUBLE LINE DUCTWORK SYMBOLS

- 12x6 - RECTANGULAR DUCT (FIRST FIGURE IS FOR SIDE SHOWN, SECOND FIGURE IS FOR SIDE NOT SHOWN)
- 12"Ø - ROUND DUCT
- 12x6Ø - FLAT OVAL DUCT (FIRST FIGURE IS FOR SIDE SHOWN, SECOND FIGURE IS FOR SIDE NOT SHOWN)
- FLEXIBLE DUCT CONNECTION
- VOLUME DAMPER
- M - MOTORIZED DAMPER
- BDD - BACK DRAFT DAMPER
- FD - FIRE DAMPER, 1 1/2 HOUR FIRE RATED
- 3FD - FIRE DAMPER, 3 HOUR FIRE RATED
- FSD - COMBINATION FIRE/SMOKE DAMPER
- SD - SMOKE DAMPER
- DUCT TRANSITION, ROUND OR FLAT OVAL TO RECTANGULAR
- DUCT TRANSITION, RECTANGULAR TO ROUND OR FLAT OVAL
- DUCT TRANSITION, RECTANGULAR, ROUND, OR FLAT OVAL
- R - INCLINED RISE WITH RESPECT TO AIR FLOW, RECTANGULAR
- D - INCLINED DROP WITH RESPECT TO AIR FLOW, RECTANGULAR
- R - INCLINED RISE WITH RESPECT TO AIR FLOW, ROUND OR FLAT OVAL
- D - INCLINED DROP WITH RESPECT TO AIR FLOW, ROUND OR FLAT OVAL
- 90° ELBOW (SMOOTH OR 5 PIECE ELBOW)
- 45° ELBOW (SMOOTH OR 3 PIECE ELBOW)
- TAP-IN BRANCH, RECTANGULAR
- BRANCH DUCT, CONICAL LATERAL FITTING, ROUND OR FLAT OVAL
- BRANCH DUCT, CONICAL TEE FITTING, ROUND OR FLAT OVAL
- BRANCH DUCT, "Y" FITTING, ROUND OR FLAT OVAL
- SUPPLY DUCT SECTION, RECTANGULAR
- RETURN DUCT SECTION, RECTANGULAR
- EXHAUST DUCT SECTION, RECTANGULAR
- 90° ELBOW TURNED UP, RECTANGULAR
- 90° ELBOW TURNED DOWN, RECTANGULAR
- 90° ELBOW TURNED UP, ROUND; FLAT OVAL SIMILAR
- 90° ELBOW TURNED DOWN, ROUND; FLAT OVAL SIMILAR
- SUPPLY AIR DEVICE (ARROWS INDICATE THROW DIRECTIONS, NO THROWS INDICATE 4-WAY THROW.
- RETURN AIR DEVICE
- EXHAUST AIR DEVICE

PIPING SYMBOLS

- PA - PIPE ANCHOR
- PG - PIPE GUIDE
- EXPANSION JOINT
- VENTURI
- GATE VALVE
- GLOBE VALVE
- NEEDLE VALVE
- HOSE VALVE WITH CAP
- BUTTERFLY VALVE
- CHECK VALVE
- BACKFLOW PREVENTER
- BALANCING VALVE
- BALL VALVE
- PLUG VALVE
- S - SOLENOID VALVE
- SAFETY / PRESSURE RELIEF, ANGLE VALVE
- SAFETY / PRESSURE RELIEF, STRAIGHT THRU VALVE
- PRESSURE REGULATING VALVE
- AUTOMATIC CONTROL VALVE, 2 WAY
- AUTOMATIC CONTROL VALVE, 3 WAY
- LATERAL Y
- CAP
- ELBOW, 90°
- ELBOW, 90° TURNED UP
- ELBOW, 90° TURNED DOWN
- ELBOW, 45°
- TEE
- TEE, TURNED UP
- TEE, TURNED DOWN
- REDUCER, CONCENTRIC
- UNION
- STRAINER
- M - METER
- R - REGULATOR

GENERAL MECHANICAL NOTES:

1. UNLESS NOTED OTHERWISE, THIS CONTRACTOR SHALL PROVIDE THE HVAC SYSTEMS, EXHAUST SYSTEMS, AND RADIANT HEATING SYSTEM COMPLETE. THE INSTALLATION SHALL INCLUDE, BUT NOT LIMITED TO, ALL DUCTWORK AND FITTINGS, EQUIPMENT, DIFFUSERS, SMOKE DETECTORS, THERMOSTATS AND 24 VAC WIRING, ROOF AND/OR WALL PENETRATIONS, TESTING AND BALANCING, ETC. CONTRACTOR SHALL COORDINATE PROVISIONS FOR PENETRATIONS IN BLOCK WALLS (I.E. SLEEVES, LINTELS, ETC.) WITH THE GENERAL CONTRACTOR.
2. THIS CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS AND INSPECTIONS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES.
3. IT IS INTENDED THAT WORK COVERED BY SPECIFICATIONS AND DRAWINGS INCLUDES EVERYTHING REQUISITE AND NECESSARY TO MAKE VARIOUS SYSTEMS COMPLETE AND OPERATIVE, IRRESPECTIVE OF WHETHER OR NOT EVERY ITEM IS SPECIFICALLY NOTED. OMISSION OF DIRECT REFERENCE TO ANY ESSENTIAL ITEM SHALL NOT EXCUSE CONTRACTOR FROM COMPLYING WITH ABOVE INTENT.
4. THIS CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, PLUMBING, AND ELECTRICAL DRAWINGS TO AVOID INTERFERENCES AND CONFLICTS WITH OTHER TRADES. THIS CONTRACTOR WILL BE EXPECTED TO COVER ALL REWORK COSTS DUE TO LACK OF COORDINATION.
5. IN GENERAL, THE DRAWINGS SHOW THE DESIRED DUCT ROUTING LOCATION PLUS FITTINGS AND CONNECTIONS. THE DUCT AND ASSOCIATED EQUIPMENT CAN BE LOWERED OR RAISED AS NECESSARY TO ACCOMMODATE MINOR FIELD CONDITIONS. THE CONTRACTOR SHALL NOTE ALL CHANGES ON DRAWINGS AND RETURN MARKED UP DRAWINGS TO THE OWNER.
6. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS NECESSARY BEFORE BEGINNING WORK.
7. THE CONTRACTOR SHALL CONDUCT ALL OPERATIONS IN STRICT ACCORDANCE WITH SAFETY REQUIREMENTS IMPOSED BY THE OWNER AND OSHA.
8. THE CONTRACTOR SHALL KEEP WORK AREA CLEAN, REMOVE ALL DEBRIS FROM THE OWNER'S PROPERTY, AND DISPOSE OF SAME ACCORDING TO LOCAL REGULATIONS.
9. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE, AND REPAIR; MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS. CHANGES SHALL NOT BE MADE WITHOUT APPROVAL OF THE OWNER.
10. THE CONTRACTOR SHALL DEMONSTRATE OPERATION OF ALL SYSTEMS AND EQUIPMENT TO THE OWNER. THE OPERATING AND SERVICE MANUALS FOR ALL EQUIPMENT SHALL BE FURNISHED TO THE OWNER.
11. THE MECHANICAL CONTRACTOR SHALL PROVIDE FINAL HOOK-UP, PURGE AND LIGHTING OF ALL NATURAL GAS EQUIPMENT.
12. ALL DUCT SHALL BE CONSTRUCTED AND INSTALLED MEETING THE REQUIREMENTS OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE, LATEST EDITION, AND AS DESCRIBED BELOW.
    A. HANGERS SHALL BE PROVIDED A MAXIMUM OF EVERY 8'-0", AT ROOF PENETRATIONS AND AT ALL ELBOWS. ALL DUCT SHALL BE SELF-SUPPORTING AND NOT REQUIRE CONNECTING EQUIPMENT FOR SUPPORT.
    B. ALIGN, ADJUST, AND LEVEL ALL DUCT FOR SATISFACTORY OPERATION. IF A SLOPE IS SPECIFIED, ALIGN AND ADJUST TO MEET STATED REQUIREMENTS.
    C. REINFORCE ALL DUCTS TO PREVENT BREATHING, VIBRATING, BUCKLING, OR UNNECESSARY NOISE AS REQUIRED TO SATISFY PROJECT REQUIREMENTS.
    D. ALL DUCT AND PLENUM SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS, UNLESS NOTED OTHERWISE. IT IS ACCEPTABLE TO CHANGE DUCT SIZES WHEN THE CROSS-SECTIONAL AREA IS MAINTAINED.
    E. THE INTERIOR OF ALL DUCTS AND PLENUMS SHALL BE SMOOTH AND FREE OF OBSTRUCTIONS, BURRS, AND SHARP EDGES.
    F. ALL RECTANGULAR ELBOWS SHALL HAVE DOUBLE THICKNESS TURNING VANES, INCLUDING DISCHARGE AND RETURN PLENUM BRANCHES.
    G. ALL CONCENTRIC TRANSITIONS SHALL HAVE A MAXIMUM TOTAL ANGLE OF 45° CONVERGING AND 30° DIVERGING FOR LARGEST DIMENSION.
    H. ALL SHEET METAL DUCT JOINTS SHALL BE SEALED WITH AN APPROVED DUCT SEALANT.
    I. ALL FLEXIBLE DUCT CONNECTIONS SHALL BE CAULKED AND SEALED AIR TIGHT USING A DRAW BAND. THE MAXIMUM LENGTH OF FLEXIBLE DUCT RUNS SHALL BE 6'-0". FLEXIBLE DUCT SHALL NOT HAVE MORE THAN AN AGGREGATE TOTAL OF 90° CHANGE IN DIRECTION, WITH A BEND NOT LESS THAN 1.5 DUCT DIAMETER CENTERLINE RADIUS.
    J. ALL ROUND DUCT TAKE-OFFS SHALL HAVE SPIN-IN TYPE FITTINGS WITH BALANCING DAMPERS, WITH STAND-OFFS FOR INSULATION.
    K. ALL AIR DEVICES SHALL BE CONNECTED WITH 3 DUCT DIAMETERS OF STRAIGHT DUCT. IN AREAS WHERE SPACE IS LIMITED A SHEET METAL ELBOW SHALL BE CONNECTED TO AIR DEVICE.
13. ALL NEW SHEET METAL DUCT TO BE ASTM A526 PRIME GALVANIZED SHEET METAL (SHEET AND STRIP) OF THE PROPER GAGE.
14. UNIT HEATER FLUE SHALL BE A PREFABRICATED, PACKAGE TYPE, AS MANUFACTURED BY METALBESTOS OR VAN PACKER, THE SIZE SHALL BE AS INDICATED ON DRAWINGS.
15. THE CONTRACTOR SHALL PROVIDE AND INSTALL A SECONDARY DRAIN PAN WITH FLOAT SWITCH FOR ALL AIR CONDITIONING EQUIPMENT TO BE INSTALLED ABOVE A SUSPENDED CEILING. THE SECONDARY DRAIN PAN SHALL BE GALVANIZED STEEL WITH SOLDERED CORNERS AND 2" MINIMUM COLLECTION DEPTH. THE FLOAT SWITCH SHALL BE WIRED WITH AIR CONDITIONING EQUIPMENT TO DISABLE CONTINUED OPERATION.
16. THE EQUIPMENT AND MATERIALS SPECIFIED ON THE DRAWINGS ESTABLISH THE MINIMUM STANDARDS AND BASIS FOR THE BID. ALTERNATE MANUFACTURERS AND METHODS MUST BE APPROVED PRIOR TO SUBMISSION OF BID.

DUCT INSULATION SCHDULE

DUCTWORK SERVICE	EXPOSED IN OCCUPIED SPACE: MINIMUM R-VALUE (N/A, R-6, R-8, R-12)	EXPOSED IN OCCUPIED SPACE: INSULATION LOCATION (N/A, LINING, WRAP, DBL WALL - SOLID, DBL WALL - PERF)	EXPOSED IN OCCUPIED SPACE: JACKET (N/A, PVC, ALL SERVICE, ALUMINUM, STAINLESS STEEL, FOIL FILM)	ABOVE CEILING / CONDITIONED ATTIC: MINIMUM R-VALUE (N/A, R-6, R-8, R-12)	ABOVE CEILING / CONDITIONED ATTIC: INSULATION LOCATION (N/A, LINING, WRAP, DBL WALL - SOLID, DBL WALL - PERF)	ABOVE CEILING / CONDITIONED ATTIC: JACKET (N/A, PVC, ALL SERVICE, ALUMINUM, STAINLESS STEEL, FOIL FILM)	NON-CONDITIONED ATTIC: MINIMUM R-VALUE (N/A, R-6, R-8, R-12)	NON-CONDITIONED ATTIC: INSULATION LOCATION (N/A, LINING, WRAP, DBL WALL - SOLID, DBL WALL - PERF)	NON-CONDITIONED ATTIC: JACKET (N/A, PVC, ALL SERVICE, ALUMINUM, STAINLESS STEEL, FOIL FILM)	OUTSIDE BUILDING: MINIMUM R-VALUE (N/A, R-6, R-8, R-12)	OUTSIDE BUILDING: INSULATION LOCATION (N/A, LINING, WRAP, DBL WALL - SOLID, DBL WALL - PERF)	OUTSIDE BUILDING: JACKET (N/A, PVC, ALL SERVICE, ALUMINUM, STAINLESS STEEL, FOIL FILM, SELF ADHESIVE)	NOTES
SUPPLY	●			●		● ● ●			●		● ● ●		1-6
RETURN	●			●		●	●		●		●	●	1-6
EXHAUST	●			●		●	●		●		●	●	1-6
OUTSIDE AIR		●			● ● ●		●		●		●	●	1-6
VENTILATION	●			●		● ● ●			●		●	●	1-6
RELIEF	●			●		●	●		●		●	●	1-6

NOTES:
1. ALL INSULATION JOINTS SHALL BE TIGHTLY BUTTED AND COVERED WITH TAPE TO PROVIDE A COMPLETE VAPOR BARRIER ENVELOPE.
2. INSULATION AND JACKET MATERIAL LOCATED IN OCCUPIED SPACES OR WITHIN RETURN AIR PLENUMS SHALL HAVE A COMPOSITE FIRE AND SMOKE HAZARD RATING, AS TESTED BY PROCEDURE ASTM E-84, NFPA 255 AND UL 723, NOT EXCEEDING FLAME SPREAD 25 AND SMOKE DEVELOPED 50.
3. IF DUCTWORK IS LINED, EXTERIOR INSULATION IS NOT REQUIRED AND NO JACKET IS REQUIRED.
4. INSULATION LOCATION AND JACKETS MAY BE ONE OF THE INDICATED TYPES.
5. EXTERIOR DUCT INSULATION SHALL HAVE A JACKET AND AN EXTERIOR WEATHER RESISTANT COVER. SELECT ONE JACKET AND ONE COVER.
6. FLEXIBLE DUCTWORK SHALL HAVE A CPE INNER LINER AND A COVER OF METALIZED POLYESTER FILM LAMINATED TO A GLASS MESH WITH AN ELASTOMER BACK COATING AND SHALL HAVE THE SIZE AND R-VALUE PRINTED FOR EASY REFERENCE.

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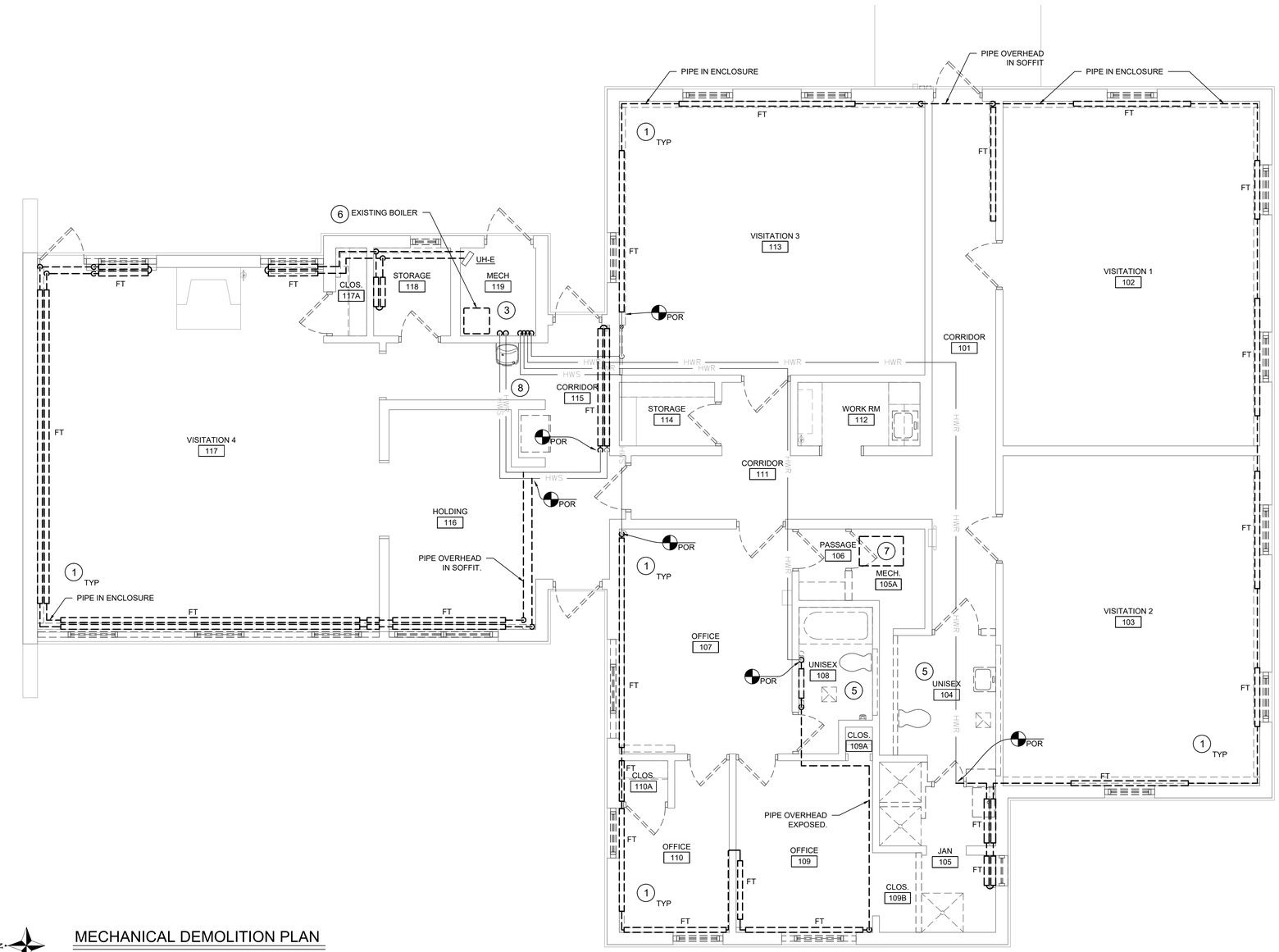
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visitation building renovations for:
clark county family services
525 e home road
springfield, ohio 45503

mechanical general notes and legends

project number
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date
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drawn by
JDC
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BHF

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MECHANICAL DEMOLITION PLAN

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

DEMOLITION NOTES:

1. DEMO HYDRONIC HEATING SYSTEM COMPLETE UNLESS OTHERWISE NOTED. REMOVE PIPE, FIN TUBE, BRACKETS, AND COVERS. WHERE EXISTING OR PREVIOUSLY ABANDONED PIPE STUBS OUT OF THE FLOOR, CUT PIPE TO BELOW FLOOR LEVEL AND PATCH FLOOR TO MATCH EXISTING. BELOW FLOOR PIPE MAY OTHERWISE BE ABANDONED IN PLACE.
2. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE PATCHING OF WALLS, AND CEILINGS DUE TO THE REMOVAL OF THE PIPE. REPAIRING THROUGH PENETRATIONS OF PIPE, MENDING ANDHOR POINTS, ADHESIVES, OR OTHER BLEMISHES BEHIND THE FIN TUBE HOUSING. THIS CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR THE METHODS OF DEMOLITION AND ANY DELINEATION OF WORK.
3. EXISTING BOILER ROOM. DEMO BOILER, EXPANSION TANK, PUMP, VALVES, AND ALL ASSOCIATED PIPING AND ACCESSORIES. EXISTING ELECTRIC UNIT HEATER TO REMAIN. THE DOOR WITH THE COMBUSTION AIR INTAKE LOUVER IS TO BE REPLACED BY OTHERS. DEMO GAS PIPE IN MECHANICL ROOM. REMOVE PIPE TO BELOW FLOOR LEVEL AND PATCH FLOOR TO MATCH EXISTING.
4. THIS BUILDING IS CURRENTLY SERVED BY A SITE GAS DISTRIBUTION THAT ONCE SERVED MULTIPLE BUILDINGS. IT IS THE LAST BUILDING ON THE SITE USING THE NATURAL GAS. AS THE NATURAL GAS IS BEING REMOVED FROM THE BUILDING THE GAS UTILITY WILL NO LONGER BE NECESSARY. COORDINATE WITH THE UTILITY FOR THE REMOVAL OF THE SITE GAS SERVICE FEED INCLUDING METER, REGULATOR, ANDY ANY PIPE SECTIONS THAT ARE REQUIRED TO BE REMOVED. COORDINATE WITH THE UTILITY FOR THE EXACT SCOPE OF WORK. BELOW GRADE PIPE MAY BE ABANDONED IN PLACE UNLESS OTHERWISE DIRECTED BY THE UTILITY PROVIDER.
5. REMOVE EXISTING EXHAUST FAN. NEW FAN TO BE INSTALLED IN APPROXIMATELY THE SAME LOCATION, UNDER THE BASE BID, REMOVE THE EXISTING ROOF CAP AND PROVIDE A NEW ROOF EXHAUST CAP. UNDER DEDUCT ALTERNATE THE EXISTING ROOF CAP SHALL REMAIN AS THE ROOF WILL NOT BE REPLACED BY OTHERS.
6. THE EXISTING BOILER FLUE RUNS THROUGH ROOF. AS PART OF THE BASE BID, DEMO THIS FLUE. THE ROOF WILL BE PATCHED AND REPLACED BY OTHERS. UNDER THE DEDUCT ALTERNATE, THSI FLUE SHALL REMAIN. REMOVE VENT CAP AND PROVIDE A WEATHER TIGHT CAP OVER THE DUCT. IN THE DEDUCT THE ROOF WILL NOT BE PATCHED AND REPLACED BY OTHERS.
7. ATTIC ACCESS.
8. ASSUMED ROUTING OF UNDERGROUND PIPING SHOWN FOR REFERENCE.

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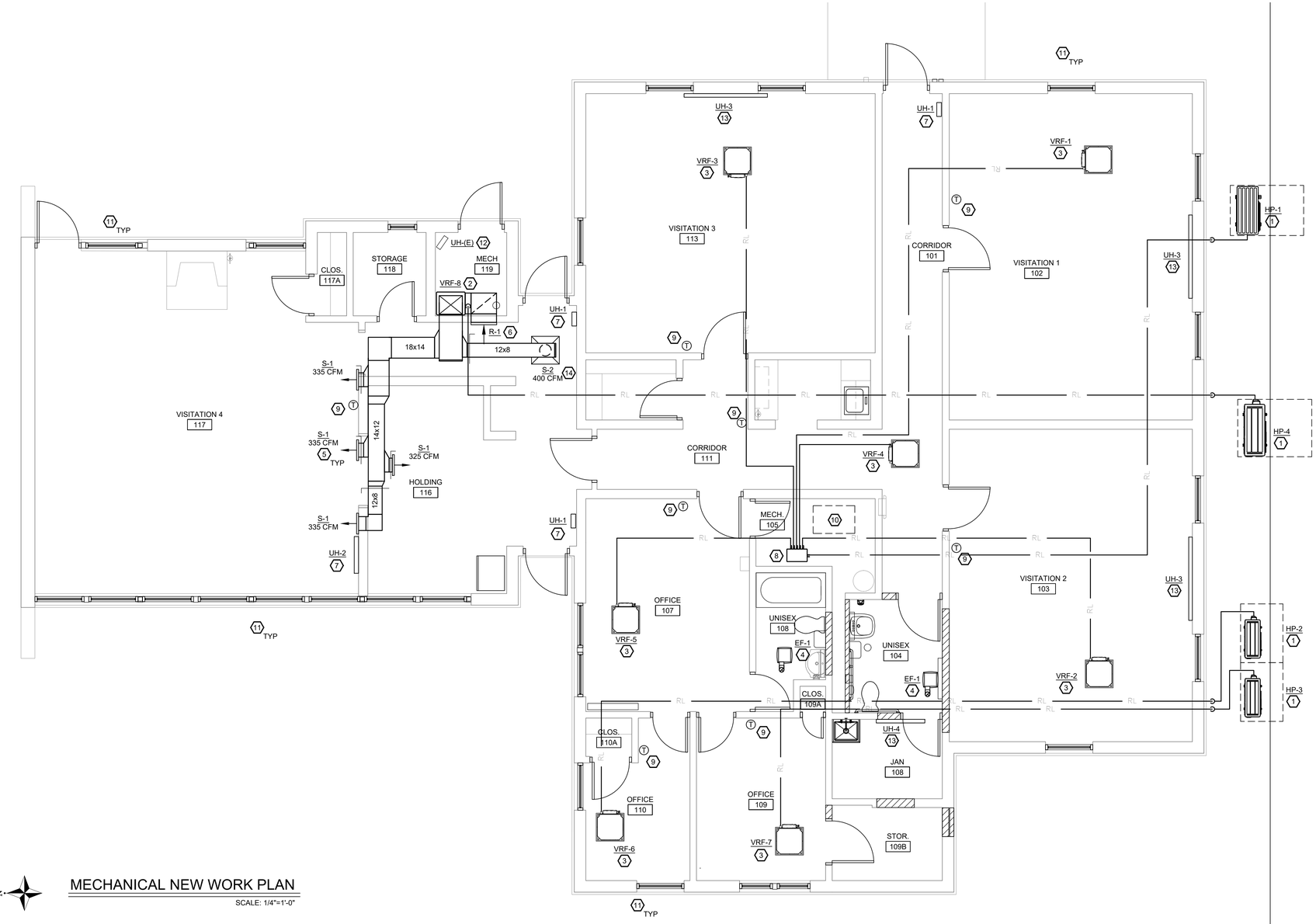
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MECHANICAL NEW WORK PLAN

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

INSTALLATION NOTES:

1. PROVIDE HEAT PUMP AND NEW EQUIPMENT PAD. MOUNT ON RAIL TO ALLOW FOR WINTER OPERATION ABOVE SNOW. COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCAL DISCONNECT. ROUTE REFRIGERANT PIPE TO INDOOR UNIT OR BRANCH BOX AS APPLICABLE. PROVIDE LINESET COVER ON EXTERIOR OF THE BUILDING. RUN PIPES INTO ATTIC THROUGH THE SOFFIT. WHERE THE COVER IS ALSO USED TO CONCEAL CONDENSATE PIPE, PROVIDE A SPLASH BLOCK TO DIRECT CONDENSATE AWAY FROM BUILDING. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
2. PROVIDE VERTICAL AIR HANDLING UNIT. EXTEND REFRIGERANT LINESETS FROM HEAT PUMP. ROUTE CONDENSATE DRAIN PIPE TO FLOOR DRAIN. COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCAL DISCONNECT. INSULATE THE DUCTWORK WITHIN THE MECHANICAL ROOM AS IS REQUIRED FOR ATTIC SPACE AS THE MECHANICAL ROOM IS ONLY TEMPERED, NOT FULLY CONDITIONED.
3. PROVIDE CEILING CASSETTE. MOUNT UNIT BETWEEN THE BOTTOM CORD OF THE ROOF TRUSSES. COORDINATE EXACT LOCATION WITH FIELD CONDITIONS. NOTIFY PROJECT MANAGER PRIOR TO ANY MODIFICATION OF EXISTING BRACING THAT MAY EXIST. EXTEND REFRIGERANT PIPING TO THE HEAT PUMP OR BRANCH BOX AS APPLICABLE. ROUTE CONDENSATE PIPE FROM INTEGRAL PUMP. PIPE TO RUN BELOW THE INSULATION. COORDINATE ROUTING WITH EXISTING STRUCTURE AND OTHER TRADES. PIPE MAY EITHER DRAIN INDIVIDUALLY OR BE MANIFOLDED TOGETHER TO AN APPROVED CONDENSATE DISPOSAL LOCATION SUCH AS THE FLOOR DRAIN IN MECHANICAL ROOM 119, THE SERVICE SINK IN THE JANITOR CLOSET 108, OR TO A SPLASH BLOCK ON THE SOUTH SIDE OF THE BUILDING.
4. PROVIDE RESTROOM EXHAUST FAN. ROUTE DUCTWORK OUT ROOF FOR DISCHARGE. PROVIDE GOOSENECK ROOF JACK WITH BACKDRAFT DAMPER AND BIRDSCREEN. SEAL ALL PENETRATIONS WATER TIGHT IN ACCORDANCE WITH APPLICABLE BUILDING CODES.
5. PROVIDE SUPPLY DIFFUSER IN FACE OF WALL. MOUNT SUPPLY DIFFUSER AT 10'-0" AFF. VERIFY HEIGHT WITH ARCHITECT PRIOR TO CUTTING WALL.
6. PROVIDE RETURN GRILLE IN WALL. LOCATE RETURN NEAR CEILING TO ALLOW FOR ADDITIONAL ELBOW AND LENGTH OF DUCT IN RETURN DUCT TO REDUCE THE TRANSFER OF NOISE FROM THE UNIT.
7. PROVIDE RECESSED UNIT HEATER IN WALL. UNIT TO INCLUDE INTEGRAL THERMOSTAT. MOUNT 1' - 6" ABOVE FINISHED FLOOR. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO COMMENCING WORK.
8. PROVIDE BRANCH CIRCUIT BOX. MOUNT UNIT IN ATTIC BELOW THE INSULATION. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER REQUIREMENTS. NOTE THAT ALTERNATE MANUFACTURERS MAY REQUIRE DIFFERENT THINGS. IF FEASABLE AND WELL COORDINATED WITH OTHERS, THE UNIT MAY BE INSTALLED IN THE MECHANICAL ROOM 105 FOR BETTER ACCESSS.
9. MOUNT THERMOSTAT ON WALL NEAR LIGHT SWITCHES AT SAME ELEVATION. FOR UNITS LOCATED IN CORRIDORS ANS VISITATION ROOMS, PROVIDE EITHER PHYSICAL OR PROGRAMMABLE RESTRICTIONS TO LIMIT OCCUPANT ADJUSTABILITY TO APPROVED STAFF ONLY.
10. EXISTING ATTIC ACCESS.
11. OPERABLE WINDOWS AND DOORS PROVIDE OPENING AREAS ADEQUATE TO MEET NATURAL VENTILATION REQUIREMENTS PER MECHANICAL CODE SECTION 402.
12. EXISTING UNIT HEATER TO REMAIN.
13. PROVIDE UNIT HEATER MOUNTED TO WALL. UNIT TO INCLUDE INTEGRAL THERMOSTAT. MOUNT UNIT AT 7' - 0" ABOVE FINISHED FLOOR.
14. PROVIDE SUPPLY DIFFUSER IN CEILING. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO CUTTING WALL. REFER TO AIR DEVICE SCHEDULE FOR ADDITIONAL INFORMATION.

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SPLIT SYSTEM HEAT PUMP SCHEDULE

AIR HANDLER

MARK	MANUFACTURER	MODEL	AREA OF SERVICE	SUPPLY AIR (CFM)	MINIMUM ACCEPTABLE CAPACITIES			COOLING COIL			HEATING		ELECTRICAL				NOTES
					COOLING TOTAL (MBH)	COOLING SENS (MBH)	HEATING (MBH)	TOTAL (MBH)	SENSIBLE (MBH)	COOLING DISCHARGE TEMP DB (°F)	SENSIBLE (MBH)	DISCHARGE AIR TEMP DB (°F)	VOLTAGE	PHASE	MCA	MOCP	
VRF-1	TRANE/MITSUBISHI	PLA-AE12NL	VISITATION 1	530	9.7	8.4	14.6	10.1	10.1	59.1	12.6	95.5	230	1	1	15	1 , 2
VRF-2	TRANE/MITSUBISHI	PLA-AE12NL	VISITATION 2	530	9.4	8.1	14.1	10.1	10.1	59.1	12.6	95.5	230	1	1	15	1 , 2
VRF-3	TRANE/MITSUBISHI	PLA-AE12NL	VISITATION 3	530	8.1	6.8	13.0	9.8	8.8	59.1	13.7	95.5	230	1	1	15	2
VRF-4	TRANE/MITSUBISHI	SLZ-AF15NL	CORRIDOR	405	11.6	8.0	13.0	12.2	10.4	51.8	11.9	101.6	230	1	1	15	1 , 2
VRF-5	TRANE/MITSUBISHI	SLZ-AF09NL	OFFICE 107	300	6.3	4.4	11.0	7.3	7.3	53.3	11.8	102.8	230	1	1	15	2
VRF-6	TRANE/MITSUBISHI	SLZ-AF09NL	OFFICE 110	300	3.7	3.3	6.2	7.1	7.1	52.6	7.7	101.6	230	1	-	-	2 , 3
VRF-7	TRANE/MITSUBISHI	SLZ-AF09NL	OFFICE 109	300	4.9	4.1	7.5	7.8	7.5	52.6	8.8	101.6	230	1	-	-	2 , 3
VRF-8	TRANE/MITSUBISHI	PVA-AA60NL	REC ROOM	1650	46.5	38.6	56.4	46.7	39.1	54.1	27.6	86.3	230	1	9	15	1 , 2

NOTES

1	SPACE FITTED WITH UNIT HEATERS TO SUPPLEMENT TOTAL HEATING CAPACITY. REFER TO FLOORPLAN AND UNIT HEATER SCHEDULE.
2	COORDINATE EXACT PLACEMENT WITH ARCHITECT. COORDINATE WITH PLUMBING CONTRACTOR AND DRAWINGS FOR ROUTING AND DISPOSAL OF CONDENSATE.
3	INDOOR UNIT POWERED BY OUTDOOR HEAT PUMP. REFER TO MANUFACTURER INSTALLATION DOCUMENTS FOR MORE INFORMATION.

HEAT PUMP UNIT

MARK	MANUFACTURER	MODEL #	COOLING		HEATING		ELECTRICAL				NOTES
			SENSIBLE (MBH)	COOLING AMBIENT TEMP. (°F)	SENSIBLE (MBH)	HEATING AMBIENT TEMP (°F)	VOLTAGE	PHASE	MCA	MOCP	
HP-1	TRANE/MITSUBISHI	MXZ-SM60NLHZ	56.075	87.6	58.826	1.7	230	1	55	90	1 , 2 , 3
HP-2	TRANE/MITSUBISHI	SUZ-AA09NLHZ	9.00	95.0	12.00	5.0	230	1	24	41	1 , 2
HP-3	TRANE/MITSUBISHI	SUZ-AA09NLHZ	9.00	95.0	12.00	5.0	230	1	24	41	1 , 2
HP-4	TRANE/MITSUBISHI	PUZ-AK60NL	60.00	95.0	34.60	5.0	230	1	38	67	1 , 2

NOTES

1	PROVIDE PRE-MANUFACTURED EQUIPMENT PAD. SET PAD LEVEL AND SECURE PAD TO SUPPORTING SURFACE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
2	COORDINATE EXACT EQUIPMENT LOCATION WITH ARCHITECT. REFER TO ELECTRICAL DRAWINGS FOR POWER CONNECTION REQUIREMENTS AND COORDINATE WITH ELECTRICAL CONTRACTOR.
3	OUTDOOR UNIT PROVIDES POWER TO REFRIGERANT BREAK OUT BOX. REFER TO FLOORPLAN FOR ADDITIONAL INFORMATION.

UNIT HEATER SCHEDULE

MARK	MANUFACTURER	MODEL #	UNIT HEATING PERFORMANCE								ELECTRICAL				MOUNTING HEIGHT	UNIT WEIGHT (LBS)	NOTES
			TYPE				OUTPUT (MBH)	# OF STAGES	TURN DOWN RATIO	AFUE	VOLTAGE	PHASE	AMPS	WATTAGE			
			ELECTRIC COIL	ELECTRIC LAMP	HOT WATER	NATURAL GAS	STEAM								SEE PLAN		
UH-1	MARLEY	FRA4024F	●					13.64	1	-	-	240	1	16.7	4000	●	-	1
UH-2	MARLEY	EFQ8008	●					27.37	1	-	-	240	1	33.3	8000	●	-	1
UH-3	COVE	CV75X	●					2.56	1	-	-	240	1	3.1	750	●	-	1
UH-4	COVE	CV45X	●					1.54	1	-	-	240	1	1.9	450	●	-	1

NOTES: 1. RECESSED ELECTRIC WALL HEATER WITH INTEGRAL THERMOSTAT CONTROLS.

AIR DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL #	SIZE		TYPE							AIR FLOW CFM	DUTY						FINISH						MISC.								MOUNTING		NOTES
			NECK W x H [DIA] (INCH)	FACE W x H [DIA] (INCH)	DAMPER - FIRE	DAMPER - GRAVITY	DAMPER - MANUAL	DAMPER - MOTORIZED	DIFFUSER	GRILL	LOUVER	REGISTER		SEE PLAN	EXHAUST	INTAKE	RELIEF	RETURN	SUPPLY	TRANSFER	WHITE	BLACK	PRIMER	BARE METAL	CLEAR LACQUER	COLOR BY ARCHITECT	AIR FILTER	EGG CRATE	INSULATED - EXTERIOR	INSULATED - INTERIOR	LAY-IN GRID	LINER	SURFACE MOUNT	VOLUME DAMPER	HEIGHT ABOVE FLOOR	CEILING	SEE PLAN	
S-1	PRICE	620	12X8	14X10							●	335	●						●						●							●	-		●	1 , 2
S-2	PRICE	SCD	[10]	24X24					●			325	●						●						●							●	-		●	1 , 2 , 3
R-1	PRICE	80	18X14	20X16						●		1650					●								●							●	-		●	1 , 2

NOTES: 1. VERIFY FINISH WITH ARCHITECT. MODEL NUMBER MAY VARY WITH DIFFERENT FINISH.
2. VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
3. GRILL DOES NOT NEED TO FIT A STANDARD 2' X 2' CEILING GRID OPENING. GRILL MAY BE CUT SMALLER AND PLACED IN A PARTIAL CEILING GRID SPACE. SIZE OF GRILL SHALL NOT BE LESS THAN NOMINAL 12" X 12".

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL #	CFM	S.P. IN WATER	WHEEL DIA.	MOTOR H.P.	MOTOR DRIVE	ELECTRICAL				NOTES
								VOLTAGE	PHASE	AMPS	WATTAGE	
EF-1	BROAN	QTXE110	110	0.1	-	-	-	115	1	0.3	31.4	1

NOTES: 1. COORDINATE WITH ELECTRICAL CONTRACTOR AND DRAWINGS TO TIE FAN INTO SPACE LIGHT SWITCH/OCCUPANCY SENSOR. FAN TO BE ENERGIZED WHEN SPACE IS OCCUPIED.

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BID DOCUMENTS

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STATE OF OHIO
BENJAMIN HAROLD FLORKEY
E-79700
9 SEPT 2026
REGISTERED
PROFESSIONAL ENGINEER

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visitation building renovations for:
clark county family services
525 e home road
springfield, ohio 45503

mechanical schedules

project number
251429
date
09/10/2026
drawn by
checked by
JDC
BHF

sheet
M5.1

FIXTURE SCHEDULE

SYMBOL	MARK	LAMP QUANTITY	VOLTAGE	INPUT WATTS	FLUORESCENT	LED	INCANDESCENT	RECESSED	FLANGE MOUNTED	SURFACE MOUNTED	PENDANT MOUNTED	MANUFACTURER AND SERIES	DESCRIPTION	NOTES
	A4	-	120	55		●				●		EQUAL TO LITHONIA #CPANL 2X4 AL06 SWW7 M2 DCMK 224	2'x4' LED FLAT PANEL. SWITCHABLE 4000/5000/6000 LUMENS, SWITCHABLE 35K/40K/50K COLOR TEMP	2,6
	B2	-	120	41		●				●		EQUAL TO LITHONIA #CPANL 2X2 AL01 SWW7 M4 DCMK 224	2'x2' LED FLAT PANEL. SWITCHABLE 2400/3300/4400 LUMENS, SWITCHABLE 35K/40K/50K COLOR TEMP	2,6
	C2	-	120	11		●				●		EQUAL TO LITHONIA #CSS L24 AL015 MVOLT MIN10 ZT SWW3 80CRI	2' LED STRIP. SWITCHABLE 1500/2000/2500 LUMENS, 3500/4000/5000K COLOR TEMP, WHITE, DIM	2
	C4	-	120	38		●				●		EQUAL TO LITHONIA #CSS L48 AL03 MVOLT MIN10 ZT SWW3 80CRI HC36M12	4' LED STRIP. SWITCHABLE 3000/4000/5000 LUMENS, 3500/4000/5000K COLOR TEMP, WHITE, DIM, 36" CHAIN	2
	D15E	-	120	12		●				●		EQUAL TO PRESCOLITE #LFR-6RD-M-15L30K8-WD-DM1EMR LFR-6RD-T CL-BRONZE LFR-6RD-H	LED DOWNLIGHT. 1500 LUMENS, 4000K, BRONZE FLANGE, EM BATTERY, DIMS TO 10%	1, 5
	EM	-	120	2		●				●		EQUAL TO LITHONIA #ELM2L M12	LED EMERGENCY LIGHTING UNIT WITH TWO HEADS. WALL MOUNTED, WHITE	1
	F1	-	120	7		●				●		EQUAL TO LUMETTA #W512ADA F11 L401-LED 4000K LTWC LBWY	LED WALL SCONCE. 1070 LUMENS, 4000K, WHITE, DIMMABLE	5
	G1	-	120	12 EA		●				●		EQUAL TO JUNO #T252L G2 40K 80CRI PDIM NFL WH	LED TRACK LIGHTING. 12W HEAD, 1500 LUMENS, 4000K, WHITE	4, 5,6
	H1	-	120	83		●				●		EQUAL TO WAC #F-072L MB MB DR, WC26-WT	CEILING FAN WITH LED LIGHT, BLACK, WALL CONTROL	5
	V1	-	120	27		●				●		EQUAL TO LITHONIA #FMVCCLS 24IN MVOLT 30K35K40K 90CRI BN	LED VANITY LIGHT. 2'-0" LENGTH, ACRYLIC DIFFUSER, BRUSHED NICKEL FINISH	2, 3, 5
	W2	-	120	28		●				●		EQUAL TO CURRENT #LNC2-48L-25-4K7-3-UNV-BLT-PC-E	LED WALL PACK, WET LOCATION, 3500 LUMENS, 4000K, PE CELL, EM BATTERY, BLACK	1
	X1	-	-	4		●				●		EQUAL TO LITHONIA #LHQM S W RG MVOLT M6	LED COMBINATION EXIT SIGN / EMERGENCY LIGHT. EM BATTERY, UNIVERSAL MOUNTING, WHITE	1

NOTES:
1. WIRE ALL EXIT AND EMERGENCY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL LOCAL SWITCHING.
2. COORDINATE LIGHT FIXTURE BRIGHTNESS AND/OR COLOR SETTINGS WITH THE OWNER.
3. MOUNT CENTERED OVER THE MIRROR.
4. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES AND TRACK AS NECESSARY FOR A COMPLETE INSTALLATION. COORDINATE TRACK LOCATION AND MOUNTING HEIGHT, AND TRACK HEAD AIMING WITH ARCHITECT PRIOR TO ORDERING. REFER TO THE FLOOR PLANS FOR NUMBER OF HEADS AND TRACK LENGTH.
5. VERIFY COLOR WITH THE ARCHITECT.
6. PROVIDE FIXTURE COMPATIBLE WITH WALL SWITCH DIMMER. COORDINATE FIXTURE AND DIMMER SELECTION AND COMPATIBILITY PRIOR TO ORDERING.

GENERAL NOTES:

A. PROVIDE WORK IN COMPLIANCE WITH ALL CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
2024 OHIO BUILDING CODE.
2023 NATIONAL ELECTRICAL CODE (NFPA 70).
2021 IECC / 2019 ASHRAE 90.1.
LOCAL ELECTRICAL CODES.
LOCAL UTILITY COMPANY STANDARDS.
WHERE THERE IS A CONFLICT, THE MOST STRINGENT SHALL APPLY.

B. ELECTRICAL CONTRACTOR SHALL SECURE ALL ELECTRICAL PERMITS AS REQUIRED AND MAKE ALL NECESSARY APPLICATIONS FOR A COMPLETE ELECTRICAL INSTALLATION. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMIT AND INSPECTION FEES APPLICABLE TO THE WORK.

C. EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. FIELD CONDITIONS SHALL GOVERN.

D. ALL CONDUITS SERVING OTHER SPACES OR FLOORS, THAT RUN THROUGH THE PROJECT AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION SO AS NOT TO CAUSE ANY DISRUPTION TO THESE OTHER SPACES.

E. ALL CEILING MOUNTED DEVICES NOT SPECIFICALLY INDICATED IN THE PROJECT AREA SHALL BE REMOVED AND REINSTALLED TO FACILITATE INSTALLATION OF NEW CEILINGS/LIGHT FIXTURES.

F. ALL CONDUIT, WIRING, BOXES, AND RACEWAY THAT IS NOT BEING REUSED SHALL BE REMOVED BACK TO PANEL FROM WHERE IT ORIGINATES.

G. REVIEW DRAWINGS FOR ALL TRADES. REMOVE POWER TO EQUIPMENT REMOVED BY OTHER TRADES. REMOVE AND RECONNECT EQUIPMENT RELOCATED BY OTHER TRADES.

H. COORDINATE DISPOSAL REQUIREMENTS WITH THE OWNER PRIOR TO DEMOLITION. ITEMS TO BE SALVAGED FOR THE OWNER SHALL BE REMOVED (UNDAMAGED) AND TURNED OVER TO OWNER. DISCONNECT (NOT JUST CUT) ALL WIRING & "WHIPS" FROM EQUIPMENT TERMINAL POINTS AND CAREFULLY TRANSPORT TO AND NEATLY STORE AT AN ON-SITE STORAGE LOCATION AS DIRECTED IN THE FIELD.

I. PRIOR TO REMOVAL, VISUALLY INSPECT EACH LIGHT FIXTURE BALLAST FOR PCB LABELING. IF THE BALLAST IS LABELLED "PCB" OR IF THERE IS NO LABEL, THEN CONTACT EPA REGION 5 FOR DISPOSAL REQUIREMENTS. PROVIDE DOCUMENTATION AND MANIFESTS TO THE OWNER.

J. SHOULD THERE BE A CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE MOST STRINGENT REQUIREMENTS. FOR EXAMPLE, PROVIDE THE GREATER QUANTITY AND BETTER QUALITY.

K. WHERE SHOWN ON NEW WALLS, WIRING DEVICES SHALL BE RECESSED UNLESS NOTED OTHERWISE ON THE DRAWINGS.

L. WIRING DEVICE (RECEPTACLES, SWITCHES ETC...) AND WALL PLATE COLORS SHALL BE AS FOLLOWS: IVORY DEVICE/IVORY WALL PLATE. CEILING MOUNTED WIRING DEVICE AND WALL PLATE COLOR SHALL MATCH CEILING COLOR.

M. ALL ELECTRICAL DEVICES SHALL BE LABELED WITH THE PANEL NUMBER AND CIRCUIT. REFER TO THE SPECIFICATIONS FOR DETAILS.

N. WIRING DEVICES SHALL BE HORIZONTALLY AND VERTICALLY ALIGNED WITH EACH OTHER. REFER TO THE MOUNTING HEIGHT ELEVATION DETAIL.

O. LOCATE, IDENTIFY AND PROTECT EXISTING UTILITIES. NOTIFY OHIO UTILITIES PROTECTION SERVICE (OUPS) FOR ALL PUBLIC PROPERTY PRIOR TO STARTING WORK. ON ALL REMAINING PROPERTY NOT COVERED BY OUPS, PROVIDE GROUND PENETRATING RADAR SERVICES TO LOCATE ALL REMAINING PROPERTY PRIOR TO STARTING WORK.

P. SURFACE METAL RACEWAY SHALL BE USED WHERE NECESSARY FOR NEW DEVICES ON EXISTING WALLS/CEILINGS. CONTRACTOR SHALL MINIMIZE SURFACE RACEWAY AS MUCH AS PRACTICAL IN PUBLIC SPACES THROUGH SUCH MEANS AS ROUTING PATHWAYS IN NON-PUBLIC SPACES AND PENETRATING THROUGH WALLS INTO PUBLIC SPACES, OR ROUTING PATHWAYS LOW ALONG BASEBOARDS TO MINIMIZE LENGTH OF SURFACE RACEWAY REQUIRED TO SUPPLY SURFACE-MOUNTED DEVICES. CONTRACTOR SHALL PROVIDE A DETAILED SURFACE RACEWAY PLAN FOR APPROVAL PRIOR TO COMMENCING WORK.

Q. ANY ROOF PENETRATIONS TO BE COORDINATED WITH ROOF MANUFACTURER'S RECOMMENDED DETAILS TO ENSURE EXISTING WARRANTY REMAINS AND ROOF REMAINS IN WATERTIGHT CONDITION. ALTERATIONS TO ROOF SHALL BE PERFORMED BY A ROOFING CONTRACTOR CERTIFIED BY THE ROOFING MANUFACTURER TO MAKE ALTERATIONS AND MAINTAIN WARRANTY.

R. PAINT NEW AND EXISTING SURFACE MOUNTED CONDUIT, SURFACE RACEWAY AND JUNCTION / DEVICE BOXES TO MATCH WALL COLOR. REPAIR DAMAGED SURFACE RACEWAY AND CONDUIT. REATTACH LOOSE SURFACE RACEWAY AND CONDUIT. COORDINATE LOCATIONS WITH ARCHITECT.

S. EMERGENCY AND EXIT LUMINAIRES SHALL BE INSTALLED AND CIRCUITED AHEAD OF ALL LOCAL SWITCHING PER LATEST LOCAL AND NATIONAL ELECTRICAL CODES.

T. PROVIDE TEMPORARY LIGHTING/EXIT SIGNAGE AS REQUIRED MAINTAINING EGRESS FOR AREAS WITHIN AND ADJACENT TO THE CONSTRUCTION WORK LIMITS.

U. VERIFY ROOM'S EXISTING SWITCHING CONFIGURATION PRIOR TO SWITCH DEMOLITION. MATCH CONFIGURATION (3-WAY, SWITCH LEG a, ETC...) UNLESS NOTED OTHERWISE ON THE DRAWINGS.

COMMUNICATIONS TECHNOLOGY GENERAL NOTES:

A. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-IN FOR COMMUNICATIONS TECHNOLOGY DEVICES SUCH AS FIBER OPTIC OUTLETS VOICE/DATA OUTLETS, SECURITY AND ACCESS CONTROL UNLESS NOTED OTHERWISE ON THE DRAWINGS. COORDINATE ALL WORK WITH THE OWNER.

B. AT THE COMPLETION OF THE PROJECT, PROVIDE BLANK WALL PLATES FOR UNUSED OUTLETS.

C. MAINTAIN EXISTING STATE NETWORK SWITCH THROUGHOUT CONSTRUCTION. COORDINATE OTHER NETWORK OUTAGES WITH THE OWNER PRIOR TO DEMOLITION.

ALTERNATES - REFERENCE SPECIFICATIONS FOR ADDITIONAL DETAIL:

DEDUCT ALTERNATE #1. BIDDERS SHALL NAME IN THE SPACE PROVIDED IN THE BID FORM THE AMOUNT TO BE DEDUCTED FROM THE BASE BID OF THE GENERAL CONTRACT FOR FURNISHING ALL MATERIAL, LABOR, AND RELATED ITEMS TO DELETE ALL WORK ASSOCIATED WITH FURNISHING AND INSTALLING NEW ASPHALT SHINGLED ROOF, GUTTERS AND DOWNSPOUTS. ELECTRICAL CONTRACTOR SHALL REMOVE AND REINSTALL CONNECTIONS TO ROOF MOUNTED EQUIPMENT TO FACILITATE THE REPLACEMENT OF THE ROOF. CONTRACTOR SHALL REMOVE ABANDONED ELECTRICAL EQUIPMENT BACK TO SOURCE.

DEDUCT ALTERNATE #5. BIDDERS SHALL NAME IN THE SPACE PROVIDED IN THE BID FORM THE AMOUNT TO BE ADDED OR DEDUCTED FROM THE BASE BID OF THE GENERAL CONTRACT FOR FURNISHING ALL MATERIAL, LABOR, AND RELATED ITEMS TO DELETE ALL WORK IDENTIFIED IN THE BID DOCUMENTS FOR LED LIGHTING. THIS DOES NOT INCLUDE EXIT/EM LIGHTING.

DEDUCT ALTERNATE #6. BIDDERS SHALL NAME IN THE SPACE PROVIDED IN THE BID FORM THE AMOUNT TO BE ADDED OR DEDUCTED FROM THE BASE BID OF THE GENERAL CONTRACT FOR FURNISHING ALL MATERIAL, LABOR, AND RELATED ITEMS TO DELETE ALL WORK IDENTIFIED IN THE BID DOCUMENTS FOR REPLACEMENT OF ELECTRICAL RECEPTACLES WITH TAMPER RESISTANT RECEPTACLES.

LEGEND:

- $ — NEW ITEM TO BE INSTALLED.
- $ — EXISTING ITEM TO REMAIN.
- $ — EXISTING ITEM TO BE REMOVED.
- — WIRING.
- A-44,46 — CIRCUIT HOME RUN, LABEL INDICATES PANEL AND CIRCUIT NUMBER.

POWER DEVICES
SPECIAL RECEPTACLE AND WALL PLATE, COORDINATE EXACT TYPE AND NEMA CONFIGURATION.
NEMA 5-20R, 20A, 125V AC STRAIGHT BLADE SIMPLEX RECEPTACLE AND WALL PLATE.
NEMA 5-20R, 20A, 125V AC STRAIGHT BLADE DUPLEX RECEPTACLE AND WALL PLATE.
TR — NEMA 5-20R, 20A, 125V AC STRAIGHT BLADE TAMPER RESISTANT DUPLEX RECEPTACLE AND WALL PLATE.
GFCI — NEMA 5-20R, 20A, 125V AC STRAIGHT BLADE DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTION AND WALL PLATE.
WP/GFCI — NEMA 5-20R, 20A, 125V AC STRAIGHT BLADE DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTION AND WEATHERPROOF IN-USE BOX/COVER.
ELECTRIC MOTOR.
HEAVY DUTY, NON-FUSIBLE DISCONNECT SWITCH, NEMA 1 600V. SURFACE MOUNTED.
3R — HEAVY DUTY, FUSED DISCONNECT SWITCH, NEMA 3R 600V. SURFACE MOUNTED.
PANELBOARD, SURFACE MOUNTED.

SECURITY DEVICES
CR — CARD READER.

FIRE ALARM DEVICES
FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR.

LIGHTING DEVICES
A4 — CAPITAL LETTER DENOTES LIGHT FIXTURE TYPE, SEE FIXTURE SCHEDULE.

SWITCHING DEVICES
a,b,c — LOWER CASE LETTER DENOTES SWITCH DESIGNATION.
$ — SINGLE-POLE TOGGLE SWITCH, 120V, 20A, WITH WALL PLATE.
$2 — TWO-POLE TOGGLE SWITCH, 120V, 20A, WITH WALL PLATE.
$3 — 3-WAY TOGGLE SWITCH, 120V, 20A, WITH WALL PLATE.
$4 — 4-WAY TOGGLE SWITCH, 120V, 20A, WITH WALL PLATE.
$D — DIMMER SWITCH WITH WALL PLATE.
$L — LOW VOLTAGE SWITCH WITH WALL PLATE.
$OS — WALL MOUNTED OCCUPANCY SENSOR, WATTSTOPPER #DSW-301 OR APPROVED EQUAL, DUAL TECHNOLOGY, LINE VOLTAGE SENSOR. SENSORS TO OPERATE IN "MANUAL ON " MODE. PROVIDE SENSOR WITH INTEGRAL "OVERRIDE" SWITCH. PROVIDE WALL PLATE.
$OSD — WALL MOUNTED OCCUPANCY SENSOR WITH DIMMER, WATTSTOPPER #DW-311 OR APPROVED EQUAL, DUAL TECHNOLOGY, LINE VOLTAGE SENSOR. SENSORS TO OPERATE IN "MANUAL ON" MODE. 0-10VDC DIMMER. UP AND DOWN BUTTON.

ABBREVIATIONS
A.F.F. — ABOVE FINISHED FLOOR
A.H.J. — AUTHORITY HAVING JURISDICTION
CU — COPPER WIRING
E.C. — ELECTRICAL CONTRACTOR
ER — EXISTING RELOCATED
FACP — FIRE ALARM CONTROL PANEL
GFCI — GROUND FAULT CIRCUIT INTERRUPTER
GND — GROUND
HP — HORSEPOWER
NEC — NATIONAL ELECTRICAL CODE
NL — NIGHT LIGHT
TYP. — TYPICAL
WP — WEATHERPROOF
WP/GFCI — WEATHERPROOF / GROUND FAULT CIRCUIT INTERRUPTER

MOTORS, STARTERS, DISCONNECTS, AND CONTROLS

MOTOR: MOTOR NUMBER	SERVICE	CHARACTERISTICS: HP (KVA OR FLA)	120VAC - 1Ø	240VAC - 1Ø	208VAC - 1Ø	208VAC - 3Ø	480VAC - 1Ø	480VAC - 3Ø	LOCATION	STARTER: NEMA SIZE	TYPE: MANUAL	MAGNETIC FULL VOLTAGE	BUILT-IN MOTOR OVERLOAD	2 SPEED	2 WINDING	MAGNETIC REVERSING	VFD	SEE NOTE	LOCATION: NEAR MOTOR	MOTOR CONTROL CENTER	EQUIPMENT CONTROL CENTER	ON COLUMN IN ROOM NUMBER	SEE NOTE	FURNISHED BY	DISCONNECT MEANS: TYPE: DISCONNECT SWITCH	MANUAL STARTER	RECEPTACLE	FEEDER SWITCH OR BREAKER	VFD	LOCATION: NEAR MOTOR	MOTOR CONTROL CENTER	EQUIPMENT CONTROL CENTER	PANEL BOARD	SEE NOTE	FURNISHED BY	CONTROL: INTERLOCK WITH MOTOR NO. BY E.C.	MANUAL AT STARTER	LEVEL CONTROL PANEL	BY H.C.	SEE NOTE	FEEDER: # OF CONDUCTORS	WIRE SIZE	GROUND SIZE	CONDUIT SIZE	NOTES
BO-1	VRF JUNCTION BOX 1	0.0 MCA	●						MECH 105				●						●					HC	●					●					EC				●		2	12	12	0.75	-
EF-1	EXHAUST FAN 1	0.3 MCA	●						VARIOUS				●						●					HC				●					●		EC				●		2	12	12	0.75	1
HP-1	HEAT PUMP 1	55.0 MCA		●					OUTSIDE				●						●					HC	●					●					EC				●		2	2	8	1.25	2
HP-2	HEAT PUMP 2	24.0 MCA		●					OUTSIDE				●						●					HC	●					●					EC				●		2	6	10	1.0	2
HP-3	HEAT PUMP 3	24.0 MCA		●					OUTSIDE				●						●					HC	●					●					EC				●		2	6	10	1.0	2
HP-4	HEAT PUMP 4	38.0 MCA		●					OUTSIDE				●						●					HC	●					●					EC				●		2	4	8	1.25	2
UH-1	UNIT HEATER 1	16.7 MCA		●					VARIOUS				●						●					HC				●					●		EC				●		2	10	10	0.75	3
UH-2	UNIT HEATER 2	33.3 MCA		●					VISITATION 4				●						●					HC				●					●		EC				●		2	8	10	0.75	3
UH-3	UNIT HEATER 3	3.1 MCA		●					VARIOUS				●						●					HC				●					●		EC				●		2	12	12	0.75	3
UH-4	UNIT HEATER 4	1.9 MCA		●					VARIOUS				●						●					HC				●					●		EC				●		2	12	12	0.75	3
VRF-1	CEILING CASSETE 1	1.0 MCA		●					VISITATION 1				●						●					HC	●					●					EC				●		2	12	12	0.75	4
VRF-2	CEILING CASSETE 2	1.0 MCA		●					VISITATION 2				●						●					HC	●					●					EC				●		2	12	12	0.75	4
VRF-3	CEILING CASSETE 3	1.0 MCA		●					VISITATION 3				●						●					HC	●					●					EC				●		2	12	12	0.75	4
VRF-4	CEILING CASSETE 4	1.0 MCA		●					CORRIDOR				●						●					HC	●					●					EC				●		2	12	12	0.75	4
VRF-5	CEILING CASSETE 5	1.0 MCA		●					OFFICE 107				●						●					HC	●					●					EC				●		2	12	12	0.75	4
VRF-6	CEILING CASSETE 6	1.0 MCA		●					OFFICE 110				●						●					HC	●					●					EC				●		2	12	12	0.75	5
VRF-7	CEILING CASSETE 7	1.0 MCA		●					OFFICE 109				●						●					HC	●					●					EC				●		2	12	12	0.75	5
VRF-8	CEILING CASSETE 8	9.0 MCA		●					MECH 119				●						●					HC				●					●		EC				●		2	12	12	0.75	-

NOTES:
1. CONNECT EXHAUST FAN TO WALL SWITCH OCCUPANCY SENSOR. REFER TO PLANS FOR ADDITIONAL INFORMATION. EXHAUST FAN SHALL AUTOMATICALLY TURN ON UPON OCCUPANCY.
2. PROVIDE NEMA 3R DISCONNECT.
3. EQUIPMENT HAS AN INTEGRAL DISCONNECT.
4. INDOOR UNIT IS POWERED FROM BRANCH BOX BO-1. EACH VRF SHALL HAVE A SEPARATE POWER CIRCUIT TO BO-1. COORDINATE TYPE OF WIRING BETWEEN UNITS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
5. INDOOR UNIT IS POWERED FROM THE OUTDOOR UNIT. PROVIDE (1) 1" CONDUIT FROM OUTDOOR HEAT PUMP UNIT (HP-#) TO CORRESPONDING INDOOR AIR CONDITIONING UNIT (VRF-#). COORDINATE TYPE OF WIRING BETWEEN UNITS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

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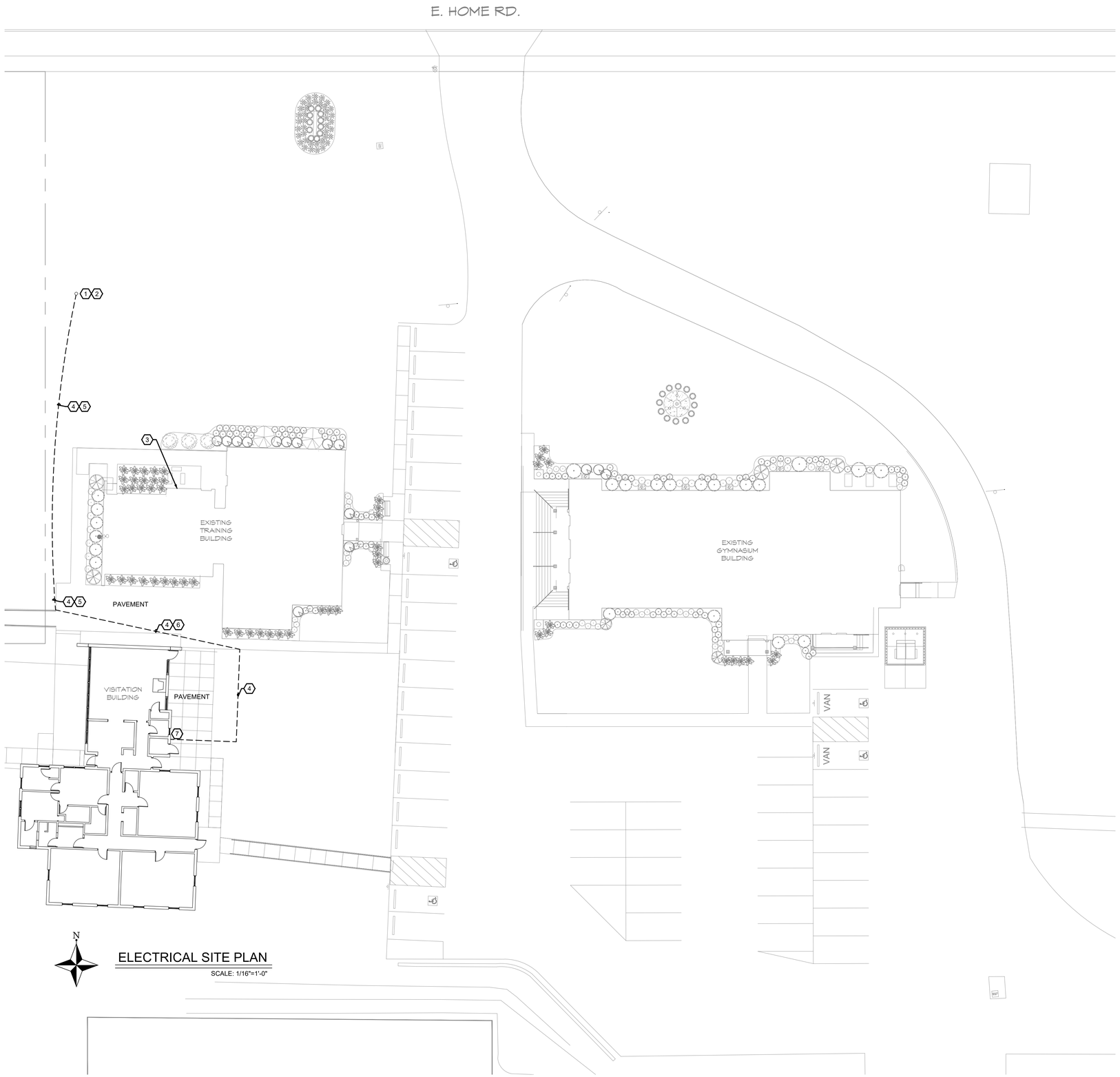
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electrical general notes and legends

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ELECTRICAL SITE PLAN

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

INSTALLATION NOTES:

1. EXISTING UTILITY POLE SHALL REMAIN.
2. REPLACE VISITATION BUILDING CONDUIT RISER WITH A LARGER RISER. RUN UP EXISTING POLE. PROVIDE SCHEDULE 80 PVC CONDUIT, CONDUCTORS AND STANDOFF BRACKETS PER OHIO EDISON STANDARDS. CONNECTIONS TO THE OVERHEAD TRANSFORMER SHALL BE PROVIDED BY THE UTILITY. COORDINATE WITH OHIO EDISON PRIOR TO DEMOLITION.
3. REMOVE EXISTING VISITATION BUILDING UTILITY METER AND SERVICE DISCONNECT SWITCH WHEN THE NEW ELECTRIC SERVICE IS ENERGIZED.
4. PROVIDE TRENCH 24" BELOW FINISHED GRADE, SCHEDULE 40 PVC CONDUITS, CONDUCTORS, WARNING TAPE, BACKFILL AND SITE RESTORATION FOR UNDERGROUND ELECTRIC SERVICE. COORDINATE WITH THE ELECTRIC UTILITY PRIOR TO TRENCHING. REFER TO THE SINGLE LINE DIAGRAM FOR MORE INFORMATION. ALL ELECTRIC DISTRIBUTION DOWNSTREAM OF THE POLE MOUNTED TRANSFORMER SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED ON THE DRAWINGS. REFER TO THE TRENCH DETAILS.
5. AVOID PROPERTY LINE WITH THE BUILDING TO THE WEST (NHP OF GREATER SPRINGFIELD). COORDINATE NEW ELECTRIC SERVICE ROUTING WITH THE OWNER AND THE ELECTRIC UTILITY PRIOR TO TRENCHING.
6. PROVIDE DIRECTIONAL BORE UNDER EXISTING SIDEWALK. COORDINATE WITH THE ARCHITECT PRIOR TO BORING.
7. PROVIDE UTILITY METER BASE. COORDINATE LOCATION WITH THE ELECTRIC UTILITY PRIOR TO ROUGH-IN.

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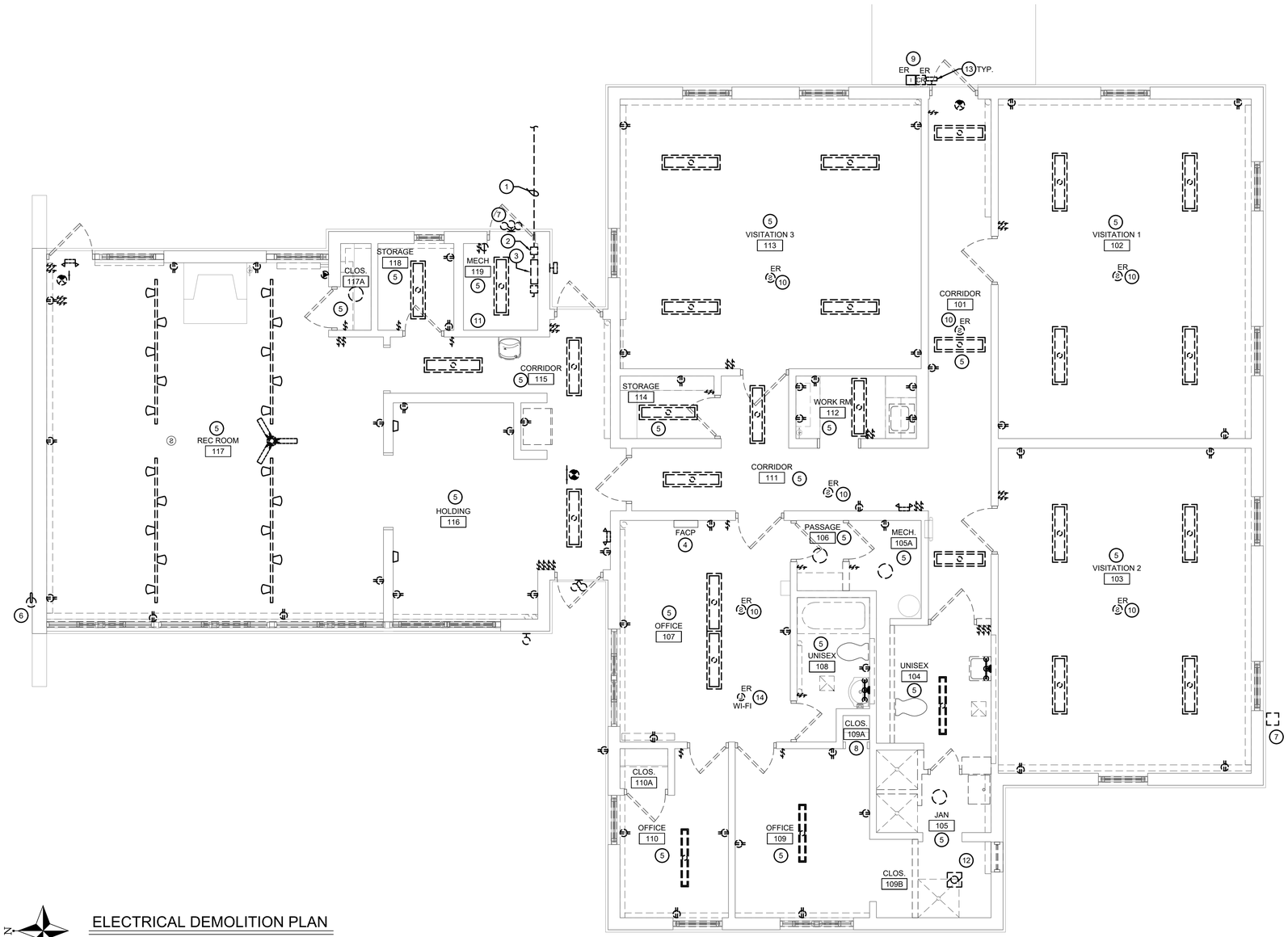
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ELECTRICAL DEMOLITION PLAN

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

DEMOLITION NOTES:

1. REMOVE EXISTING UNDERGROUND ELECTRIC SERVICE WHEN NEW ELECTRIC SERVICE IS ENERGIZED.
2. DEMOLISH SERVICE DISCONNECT.
3. REPLACE PANELBOARD AND SERVICE. TRANSFER ACTIVE BRANCH CIRCUITS TO THE NEW PANELBOARD. REFER TO THE NEW WORK PLANS FOR NEW PANEL LOCATION.
4. EXISTING FIRE ALARM CONTROL PANEL AND SMOKE DETECTOR TO REMAIN. MAINTAIN FIRE ALARM SYSTEM THROUGHOUT CONSTRUCTION.
5. REPLACE LIGHTING, SWITCHES AND RECEPTACLES IN THIS ROOM. EXISTING DEVICE JUNCTION BOX AND BRANCH CIRCUITS SHALL REMAIN UNLESS NOTED OTHERWISE ON THE DRAWINGS.
6. REMOVE LIGHT FIXTURE, PIPE MAST AND MOUNTING ACCESSORIES. PATCH PIPE PENETRATION THROUGH EXISTING ROOF. SAVE BRANCH CIRCUIT FOR CONNECTION TO NEW WALL MOUNTED LIGHT FIXTURE. COORDINATE WITH THE ARCHITECT PRIOR TO DEMOLITION.
7. CONTACT TELEPHONE COMPANY TO COORDINATE THE REMOVAL OF ABANDONED TELEPHONE PEDESTAL. REMOVE ALL ABANDONED CUSTOMER OWNED TELEPHONE WIRING. COORDINATE WITH THE OWNER PRIOR TO DEMOLITION.
8. MAINTAIN EXISTING STATE NETWORK SWITCH THROUGHOUT CONSTRUCTION.
9. RELOCATE CARD READER AND INTERCOM DENOTED WITH AN "ER." REFER TO THE NEW WORK PLANS FOR LOCATION. EXTEND EXISTING CIRCUITS AS REQUIRED.
10. REMOVE AND REINSTALL SMOKE DETECTOR TO FACILITATE THE REPLACEMENT OF THE CEILING. EXTEND EXISTING CIRCUIT AS REQUIRED.
11. REMOVE CONNECTIONS TO THE BOILER AND PUMP. COORDINATE WITH THE MECHANICAL CONTRACTOR PRIOR TO DEMOLITION.
12. COORDINATE EXHAUST FAN DEMOLITION WITH THE MECHANICAL CONTRACTOR PRIOR TO DEMOLITION.
13. PATCH WALL DUE TO THE REMOVAL OF THE WIRING DEVICE / LIGHT FIXTURES.
14. REMOVE AND REINSTALL WIRELESS ACCESS POINT TO FACILITATE THE REPLACEMENT OF THE CEILING. EXTEND EXISTING CIRCUIT AS REQUIRED.

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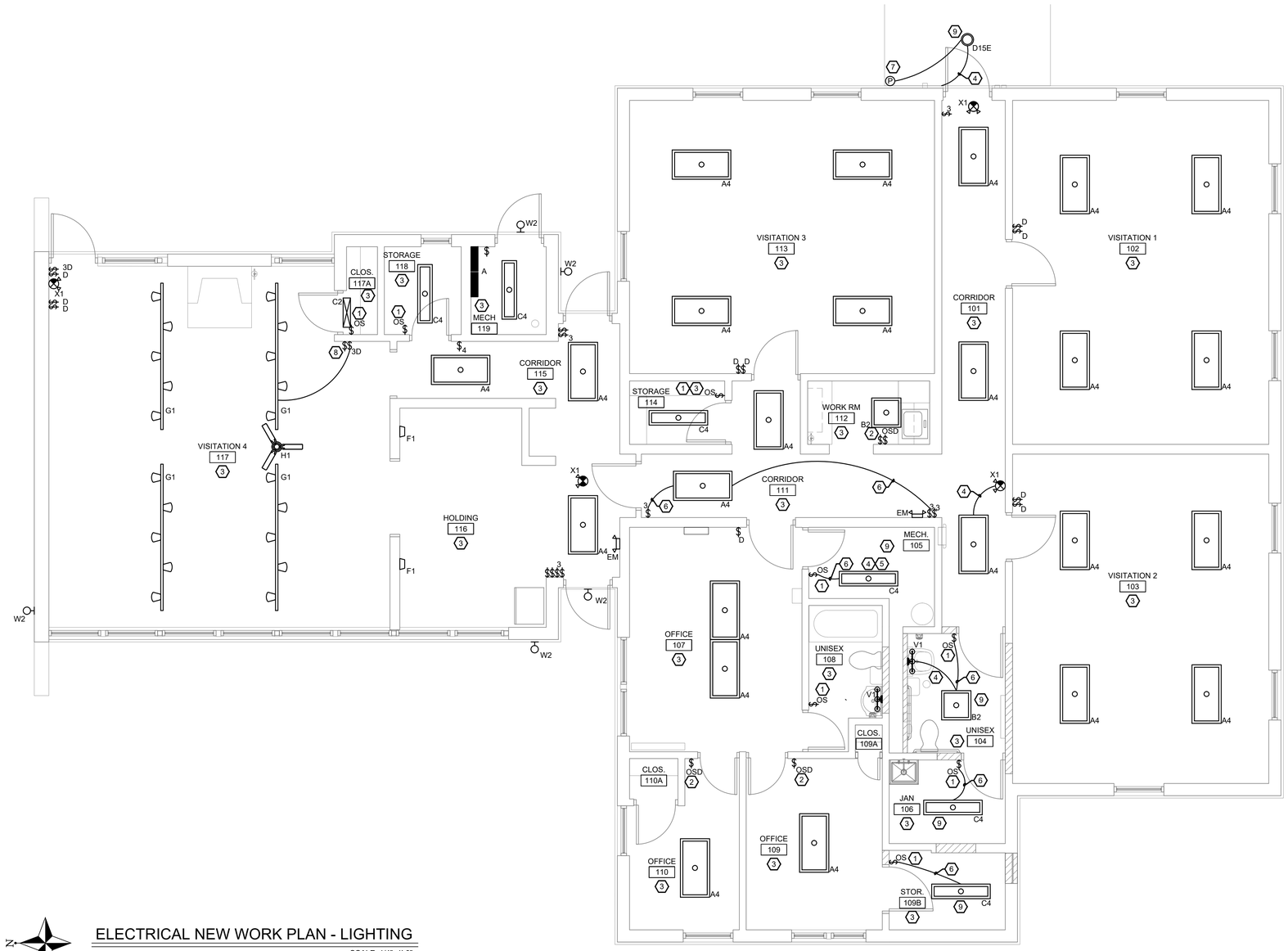
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INSTALLATION NOTES:

1. LIGHTING CONTROL SEQUENCE OF OPERATION SHALL BE AS FOLLOWS:
   A. AUTOMATIC ON VIA OCCUPANCY SENSOR.
   B. AUTOMATIC OFF AFTER 20 MINUTES OF INACTIVITY.
   C. WALL SWITCHES SHALL NOT BE CAPABLE OF DIMMING.
2. LIGHTING CONTROL SEQUENCE OF OPERATION SHALL BE AS FOLLOWS:
   A. MANUAL ON VIA VACANCY SENSOR.
   B. AUTOMATIC OFF AFTER 20 MINUTES OF INACTIVITY.
   C. WALL SWITCHES SHALL BE CAPABLE OF DIMMING.
3. CONNECT EXISTING LIGHTING BRANCH CIRCUIT TO NEW LIGHTING FIXTURE AND CONTROLS IN THE SAME LOCATION.
4. EXTEND EXISTING BRANCH CIRCUIT TO NEW LIGHTING. VERIFY THAT THE TOTAL CIRCUIT LOAD IS LESS THAN 80% OF THE BRANCH CIRCUIT BREAKER'S SIZE PRIOR TO ROUGH-IN.
5. VERIFY LIGHT FIXTURE LOCATION WITH ATTIC ACCESS PANEL PRIOR TO ROUGH-IN.
6. CONNECT LIGHTING TO NEW SWITCHING AND CONTROLS IN THIS ROOM.
7. PROVIDE PHOTOCELL EQUAL TO TORK #ZB124WP TO CONTROL CANOPY DOWN LIGHT. MOUNT PHOTOCELL ON FACE OF CANOPY, PAINT WALL PLATE TO MATCH CANOPY COLOR.
8. PROVIDE CEILING FAN CONTROL SWITCH. REFER TO THE LIGHT FIXTURE SCHEDULE.
9. LIGHT FIXTURE REPLACEMENT SHALL NOT BE INCLUDED IN DEDUCT ALTERNATE #5.

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ELECTRICAL NEW WORK PLAN - LIGHTING

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

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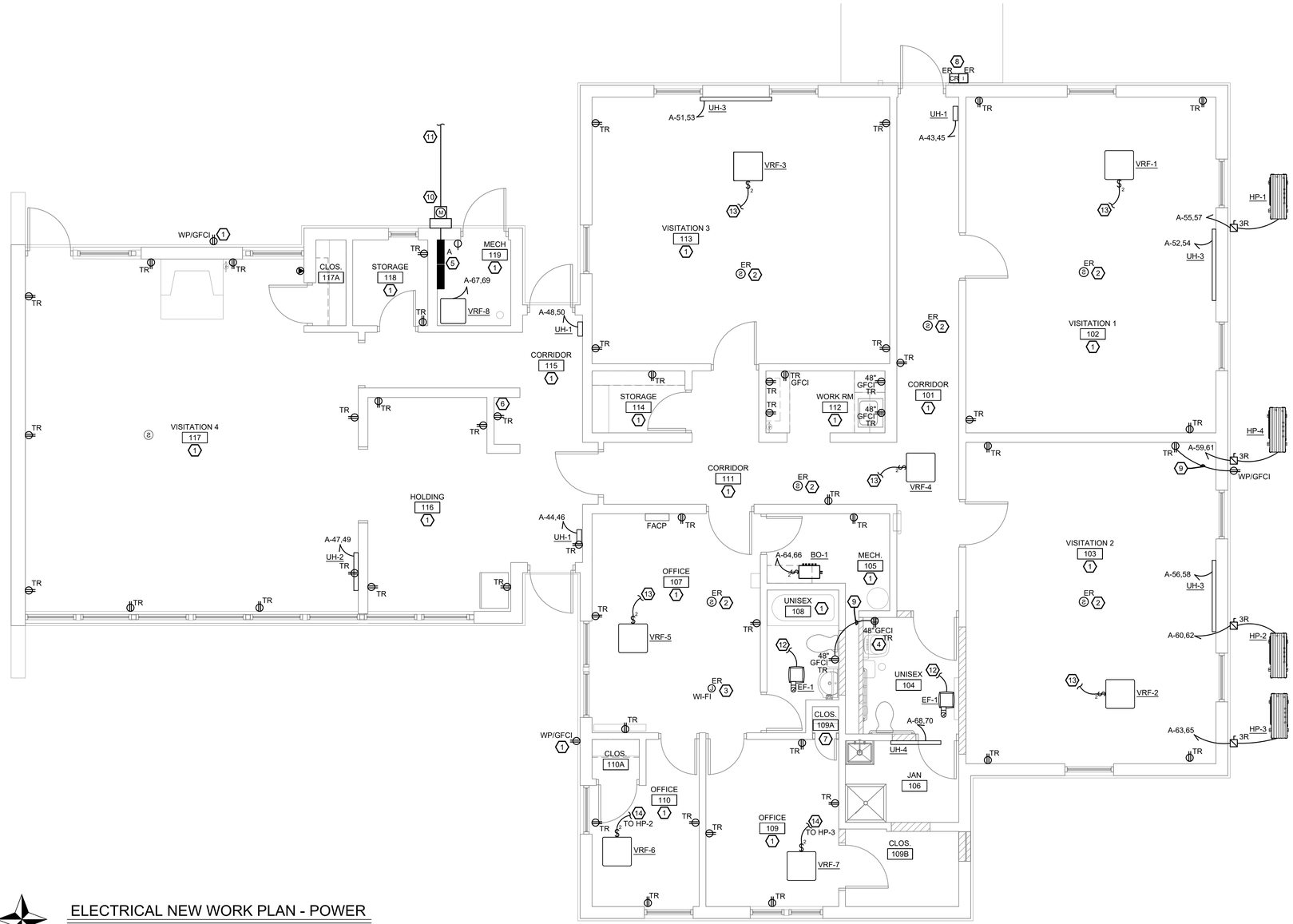
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ELECTRICAL NEW WORK PLAN - POWER

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

INSTALLATION NOTES:

1. CONNECT EXISTING POWER BRANCH CIRCUIT TO NEW WIRING DEVICE IN THE SAME LOCATION.
2. REMOVE AND REINSTALL SMOKE DETECTOR TO FACILITATE THE REPLACEMENT OF THE CEILING. EXTEND EXISTING CIRCUITS AS REQUIRED.
3. REMOVE AND REINSTALL WIRELESS ACCESS POINT TO FACILITAE THE REPLACEMENT OF THE CEILING. EXTEND EXISTING CIRCUIT AS REQUIRED.
4. COORDINATE AUTOMATIC TOWEL DISPENSER RECEPTACLE LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.
5. PROVIDE NEW PANELBOARD. TRANSFER ACTIVE CIRCUITS FROM EXISTING PANELBOARD TO THIS ONE. PROVIDE NEW GROUND BAR. REFER TO THE GROUND BAR AND SERVICE GROUNDING DETAILS.
6. LOWER RECEPTACLE HEIGHT TO FACILITATE INSTALLATION OF THE WATER COOLER, COORDINATE WITH THE PLUMBING CONTRACTOR. PROVIDE GFCI BREAKER.
7. MAINTAIN EXISTING STATE NETWORK SWITCH THROUGHOUT CONSTRUCTION.
8. INSTALL CARD READER AND INTERCOM SAVED FROM DEMOLITION. EXTEND EXISTING CIRCUITS AS REQUIRED.
9. EXTEND EXISTING BRANCH CIRCUIT TO NEW WIRING DEVICE. VERIFY THAT THE TOTAL CIRCUIT LOAD IS LESS THAN 80% OF THE BRANCH CIRCUIT BREAKER'S SIZE PRIOR TO ROUGH-IN.
10. PROVIDE METER BASE. COORDINATE LOCATION AND EQUIPMENT SPECIFICATIONS WITH THE ELECTRIC UTILITY PRIOR TO ROUGH IN.
11. PROVIDE UNDERGROUND ELECTRIC SERVICE. REFER TO THE SITE PLAN FOR CONTINUATION.
12. CIRCUIT EXHAUST FAN TO ROOM'S LIGHTING BRANCH CIRCUIT. EXHAUST FAN SHALL BE CONTROLLED BY THE ROOM'S OCCUPANCY SENSOR.
13. INDOOR UNIT IS POWERED FROM BRANCH BOX BO-1. EACH VRF CEILING CASSETTE SHALL HAVE A SEPARATE POWER CIRCUIT TO BO-1. COORDINATE TYPE OF WIRING BETWEEN UNITS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
14. INDOOR UNIT IS POWERED FROM THE OUTDOOR UNIT. PROVIDE (1) 1" CONDUIT FROM OUTDOOR HEAT PUMP UNIT (HP-#) TO CORRESPONDING INDOOR AIR CONDITIONING UNIT (VRF-#). COORDINATE TYPE OF WIRING BETWEEN UNITS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

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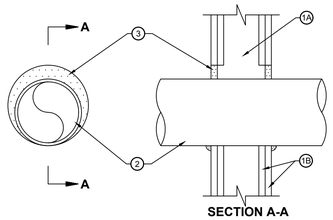
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ANSI/UL 1479 (ASTM E814)	CAN/ULC S115
F Ratings: 1 and 2 Hr (See Items 1 & 3)	F Ratings: 1 and 2 Hr (See Items 1 & 3)
T Rating: 0 Hr	FT Rating: 0 Hr
L Rating (Without Movement) at Ambient: Less Than 1 CFM/sq ft.	FH Rating: 1 and 2 Hr (See Items 1 & 3)
L Rating (Without Movement) at 400°F: Less Than 1 CFM/sq ft.	FTH Rating: 0 Hr
M Rating (Movement) --- See Table 1	FTH Rating: 0 Hr
System No. W-L-1054	L Rating at Ambient --- Less Than 5.1 L/s/m2
	L Rating at 204°C --- Less Than 5.1 L/s/m2

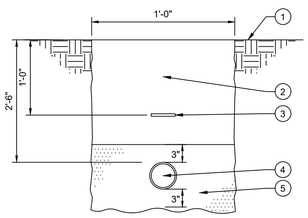


SECTION A-A

1. WALL ASSEMBLY: 1 AND 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS: WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOMINAL 2 BY 4 IN. (51 BY 102 mm) LUMBER SPACED 16" (406mm) ON CENTER. STEEL STUDS TO BE IN 2-1/2" (64 mm) WIDE AND SPACED MAX. 24 IN. (610 mm) ON CENTER. FOR M RATING, STEEL STUDS TO BE MIN. 3-5/8 IN. (92 mm) WIDE. WHEN STEEL STUDS ARE USED AND THE DIAMETER OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. (102 TO 152 mm) WIDER AND 4 TO 6 IN. (102 TO 152 mm) HIGHER THAN THE DIAMETER OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. (51 TO 76 mm) CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
   B. GYPSUM BOARD: 5/8" IN. (16 mm) THICK, 4 FT. (122 cm) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 AND U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAMETER OF OPENING IS 32-1/4 IN. (819 mm) FOR STEEL STUD WALLS. MAX DIAMETER OF OPENING IS 14-1/2 IN.(368 mm) FOR WOOD STUD WALL. THE F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY. THE M RATING IS APPLICABLE ONLY TO 1 HR RATED WALLS.
2. THROUGH PENETRANTS: ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN. 0 IN. TO MAX 2-1/4 IN. (57 MM). PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE: NOMINAL 30 IN. (762 MM) DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE: NOMINAL 30 IN. (762 MM) DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C. CONDUIT: NOMINAL 4 IN. (102 MM) DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. (152 MM) DIAMETER STEEL CONDUIT.
   D. COPPER TUBING: NOMINAL 6 IN. (152 MM) DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   E. COPPER PIPE: NOMINAL 6 IN. (152 MM) DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. FILL, VOID OR CAVITY MATERIAL - SEALANT - MIN 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. (13 MM) DIAMETER BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL.
HILTI NO. FS-ONE MAX INTUMESCENT SEALANT OR EQUAL.

RATED WALL PENETRATION DETAIL

SCALE: NONE



INSTALLATION NOTES:

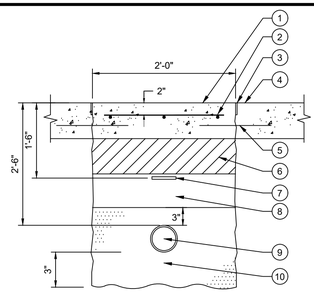
1. FINISHED GRADE.
2. 95% COMPACTED EARTH IN 6" LAYERS.
3. 3" WIDE DETECTABLE UNDERGROUND ELECTRIC WARNING TAPE MARKED "CAUTION BURIED ELECTRICAL LINE". BLACK TEXT ON RED BACKGROUND.
4. SCHEDULE 40 PVC CONDUIT.
5. MINIMUM 3" SAND ENCASEMENT AROUND TOTAL CIRCUMFERENCE OF CONDUIT.

GENERAL NOTES:

A. APPROVED PREFABRICATED DUCT RUNS ARE ACCEPTABLE.
B. NUMBER OF CONDUITS IN TRENCH ARE AS INDICATED ON PLANS.
C. ALL UNDERGROUND CONDUITS TO HAVE LONG SWEEPING BENDS.
D. PROVIDE ALL EMPTY UNDERGROUND CONDUITS WITH PULLWIRE.

TRENCH DETAIL

SCALE: NONE



INSTALLATION NOTES:

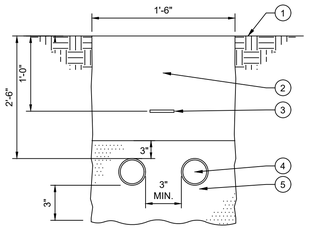
1. RESURFACE AND SEAL WITH MATERIAL SIMILAR TO EXISTING.
2. #4 REBAR @12" ON CENTER/BOTH WAYS.
3. 2" SAWCUT WET (TYPICAL).
4. FINISHED GRADE.
5. INSTALL #4 DOWELS @ 24" ON CENTER INTO EXISTING SLAB AS SHOWN (TYPICAL).
6. 95% COMPACTED #304 LIMESTONE, 6" LAYER.
7. 3" WIDE DETECTABLE UNDERGROUND ELECTRIC WARNING TAPE MARKED "CAUTION BURIED ELECTRICAL LINE". BLACK TEXT ON RED BACKGROUND.
8. 95% COMPACTED EARTH IN 6" LAYERS.
9. SCHEDULE 40 PVC CONDUIT.
10. MINIMUM 3" SAND ENCASEMENT AROUND TOTAL CIRCUMFERENCE OF CONDUITS.

GENERAL NOTES:

A. APPROVED PREFABRICATED DUCT RUNS ARE ACCEPTABLE.
B. NUMBER OF CONDUITS IN TRENCH ARE AS INDICATED ON PLANS.
C. ALL UNDERGROUND CONDUITS TO HAVE LONG SWEEPING BENDS.
D. PROVIDE ALL EMPTY UNDERGROUND CONDUITS WITH PULLWIRE.

TRENCH DETAIL

SCALE: NONE



INSTALLATION NOTES:

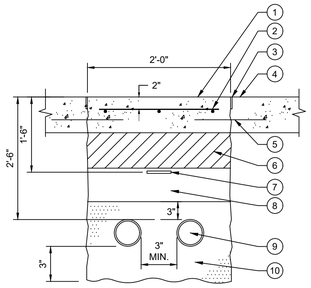
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2. 95% COMPACTED EARTH IN 6" LAYERS.
3. 3" WIDE DETECTABLE UNDERGROUND ELECTRIC WARNING TAPE MARKED "CAUTION BURIED ELECTRICAL LINE". BLACK TEXT ON RED BACKGROUND.
4. SCHEDULE 40 PVC CONDUIT. TYPICAL OF 2.
5. MINIMUM 3" SAND ENCASEMENT AROUND TOTAL CIRCUMFERENCE OF CONDUITS.

GENERAL NOTES:

A. APPROVED PREFABRICATED DUCT RUNS ARE ACCEPTABLE.
B. NUMBER OF CONDUITS IN TRENCH ARE AS INDICATED ON PLANS.
C. ALL UNDERGROUND CONDUITS TO HAVE LONG SWEEPING BENDS.
D. PROVIDE ALL EMPTY UNDERGROUND CONDUITS WITH PULLWIRE.

TRENCH DETAIL

SCALE: NONE



INSTALLATION NOTES:

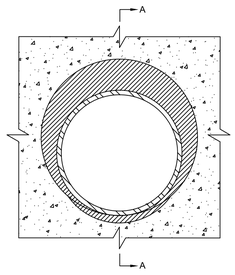
1. RESURFACE AND SEAL WITH MATERIAL SIMILAR TO EXISTING.
2. #4 REBAR @12" ON CENTER/BOTH WAYS.
3. 2" SAWCUT WET (TYPICAL).
4. FINISHED GRADE.
5. INSTALL #4 DOWELS @ 24" ON CENTER INTO EXISTING SLAB AS SHOWN (TYPICAL).
6. 95% COMPACTED #304 LIMESTONE, 6" LAYER.
7. 3" WIDE DETECTABLE UNDERGROUND ELECTRIC WARNING TAPE MARKED "CAUTION BURIED ELECTRICAL LINE". BLACK TEXT ON RED BACKGROUND.
8. 95% COMPACTED EARTH IN 6" LAYERS.
9. SCHEDULE 40 PVC CONDUIT.
10. MINIMUM 3" SAND ENCASEMENT AROUND TOTAL CIRCUMFERENCE OF CONDUITS.

GENERAL NOTES:

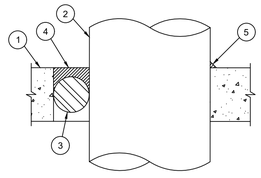
A. APPROVED PREFABRICATED DUCT RUNS ARE ACCEPTABLE.
B. NUMBER OF CONDUITS IN TRENCH ARE AS INDICATED ON PLANS.
C. ALL UNDERGROUND CONDUITS TO HAVE LONG SWEEPING BENDS.
D. PROVIDE ALL EMPTY UNDERGROUND CONDUITS WITH PULLWIRE.

UL/CUL SYSTEM NO. C-AJ-1154
METAL PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL
F RATING = 3-HR
T RATING = 1/4-HR
L RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT
L RATING AT 400°F = 4 CFM / SQ FT

TOP VIEW



SECTION A-A

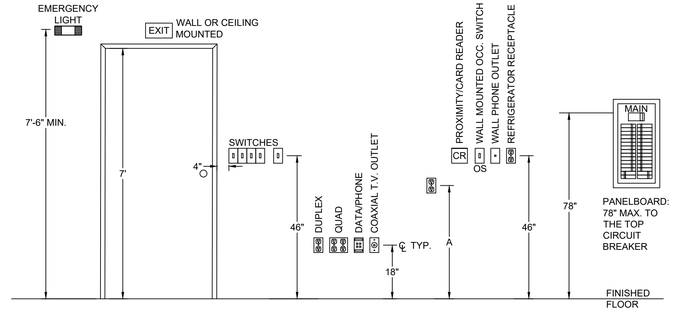


1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR. FIRE-RATING):
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).
   B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 10" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE.
   C. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
   D. MAXIMUM 4" NOMINAL DIAMETER EMT.
3. BACKER ROD, HILTI CF-AS CJP ALL SEASONS CRACK AND JOINT INSULATING FOAM, HILTI CF 812 WINDOW AND DOOR PRO LOW-PRESSURE FILLER FOAM, OR MINERAL WOOL TO BE USED AS BACKER.
4. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES:
1. MAXIMUM DIAMETER OF OPENING = 14".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 3-1/4".
3. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.

RATED PENETRATION DETAIL

SCALE: NONE



NOTE A. MOUNTING HEIGHT IS NOTED ON THE DRAWINGS. COORDINATE WITH CASEWORK AND ELEVATIONS PRIOR TO ROUGH-INS.

MOUNTING HEIGHT ELEVATION DETAIL

SCALE: NONE

issued

BID DOCUMENTS

revised

STATE OF OHIO
DANIEL T. GARMAN
E -74339
10 SEP 2026
REGISTERED
PROFESSIONAL ENGINEER

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visitation building renovations for:
clark county family services
525 e home road
springfield, ohio 45503

electrical details

project number
251429
date
09/10/2026
drawn by
TLH
checked by
SLC

sheet
E1.5

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TT PROJECT #: 25217

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Panel ID		A (NEW)				Panel Load		Conn. kW		Demand kW	Demand Amps
						Total		82.60		85.36	355.7
Ampere		400A		Voltage	120/240V						
MLO/MB		MB		Phase	1	Phase A		42.07		43.21	360.1
Amp AIC		Verify w/ Utility		Wire	3	Phase B		40.53		42.15	351.2

CB #	Brkr	Conn. kW	Factor	Demand kW	Description	CB #	Brkr	Conn. kW	Factor	Demand kW	Description	
1	20/1	1.62	1.00	1.62	RECPT. SLEEPING RM. SE & SW	2	20/1	0.18	1.00	0.18	RECPT. KITCHENETTE	
3	20/1	1.08	1.00	1.08	RECPT. LAUNDRY, SLEEPING RM. E & STORAGE	4	15/1	0.09	1.25	0.11	LGHTS. CLOSET, BOILER & KITCHENETTE	
5	20/1	0.90	1.00	0.90	RECPT. SLEEPING RM. E & CORD	6	20/1	1.59	1.25	1.98	LGHTS. REC. RM.	
7	20/1	1.08	1.00	1.08	RECPT. LAUNDRY RM.	8	20/1	1.50	1.25	1.88	LGHTS. PARLOR & RECOR. RM.	
9	20/1	1.08	1.00	1.08	RECPT. SLEEPING RM. SE & SW STORAGE	10	20/1	0.22	1.25	0.28	LGHTS. SLEEPING RM. SE & CORD	
11	20/1	0.90	1.00	0.90	RECPT. M BED RM. & CORD	12	20/1	0.30	1.25	0.37	LGHTS. SLEEPING RM. & STORAGE	
13	20/1	1.08	1.00	1.08	RECPT. M BED RM. & BED RM. NW	14	20/1	0.22	1.25	0.28	LGHTS. SLEEPING RM. SW FAN & BATH	
15	20/1	0.36	1.00	0.36	KITCHENETTE GFCI	16	20/1	0.22	1.25	0.28	LGHTS. LIVING RM. M. BED RM. B. RM. NW	
17	20/1	0.54	1.00	0.54	KITCHENETTE GFCI	18	20/1	0.28	1.25	0.35	LGHTS. BATH STORAGE & LAUNDRY	
19	20/1	1.50	1.25	1.88	POLE LIGHTS	20	20/1	0.62	1.25	0.78	LGHTS. HALL EMG. PARLOR & EMG ENTRANCE LGHTS	
21	15/1	0.90	1.00	0.90	LIVING ROOM CIRC PUMP M	22	20/1	0.58	1.00	0.58	WATER FOUNTAIN	G
23	20/1				SPARE	24	20/2	0.50	1.00	0.50	BOYS RM. CIRC PUMP L & MATRONS RM. CIRC PUMP R	
25	30/2	0.18	1.00	0.18	RECPT. KITCHENETTE	26	/	0.50	1.00	0.50		
27	/	0.18	1.00	0.18		28	30/2		1.00	0.00	TVSS	
29	20/1				SPARE	30	/		1.00	0.00		
31	20/1				SPARE	32	30/1	2.25	1.25	2.81	WATER HEATER	
33	-				SPACE	34	30/1	2.25	1.25	2.81	WATER HEATER	
35	-				SPACE	36	-				SPACE	
37	-				SPACE	38	-				SPACE	
39	-				SPACE	40	-				SPACE	
41	-				SPACE	42	-				SPACE	

PROVIDE FEED THRU LUGS TO PANEL A CIRCUITS 43-84. LOAD INCLUDES PANEL A (43-84)

Panel ID		A (NEW)				Panel Load		Conn. kW		Demand kW	Demand Amps
						Total		59.90		59.90	249.6
Ampere		400A		Voltage	120/240V						
MLO/MB		MLO		Phase	1	Phase A		29.95		29.95	249.6
Amp AIC		Verify w/ Utility		Wire	3	Phase B		29.95		29.95	249.6

CB #	Brkr	Conn. kW	Factor	Demand kW	Description	CB #	Brkr	Conn. kW	Factor	Demand kW	Description	
43	25/2	2.00	1.00	2.00	UNIT HEATER - CORRIDOR	44	25/2	2.00	1.00	2.00	UNIT HEATER - HOLDING	
45		2.00	1.00	2.00		46		2.00	1.00	2.00		
47	40/2	4.00	1.00	4.00	UNIT HEATER - VISITATION 4	48	25/2	2.00	1.00	2.00	UNIT HEATER - CORRIDOR	
49		4.00	1.00	4.00		50		2.00	1.00	2.00		
51	20/2	0.37	1.00	0.37	UNIT HEATER - VISITATION 3	52	20/2	0.37	1.00	0.37	UNIT HEATER - VISITATION 1	
53		0.37	1.00	0.37		54		0.37	1.00	0.37		
55	90/2	6.60	1.00	6.60	HP-1 OUTSIDE	56	20/2	0.37	1.00	0.37	UNIT HEATER - VISITATION 2	
57		6.60	1.00	6.60		58		0.37	1.00	0.37		
59	60/2	4.56	1.00	4.56	HP-4 OUTSIDE	60	40/2	2.88	1.00	2.88	HP-2 OUTSIDE	
61		4.56	1.00	4.56		62		2.88	1.00	2.88		
63	40/2	2.88	1.00	2.88	HP-3 OUTSIDE	64	20/2	0.60	1.00	0.60	BO-1, VRF1, VRF-2, VRF-3, VRF-4, VRF-5	
65		2.88	1.00	2.88		66		0.60	1.00	0.60		
67	20/2	1.08	1.00	1.08	VRF-8 MECH RM 119	68	20/2	0.23	1.00	0.23	UNIT HEATER - JANITOR	
69		1.08	1.00	1.08		70		0.23	1.00	0.23		
71	-				SPACE	72	-				SPACE	
73	-				SPACE	74	-				SPACE	
75	-				SPACE	76	-				SPACE	
77	-				SPACE	78	-				SPACE	
79	-				SPACE	80	-				SPACE	
81	-				SPACE	82	-				SPACE	
83	-				SPACE	84	-				SPACE	

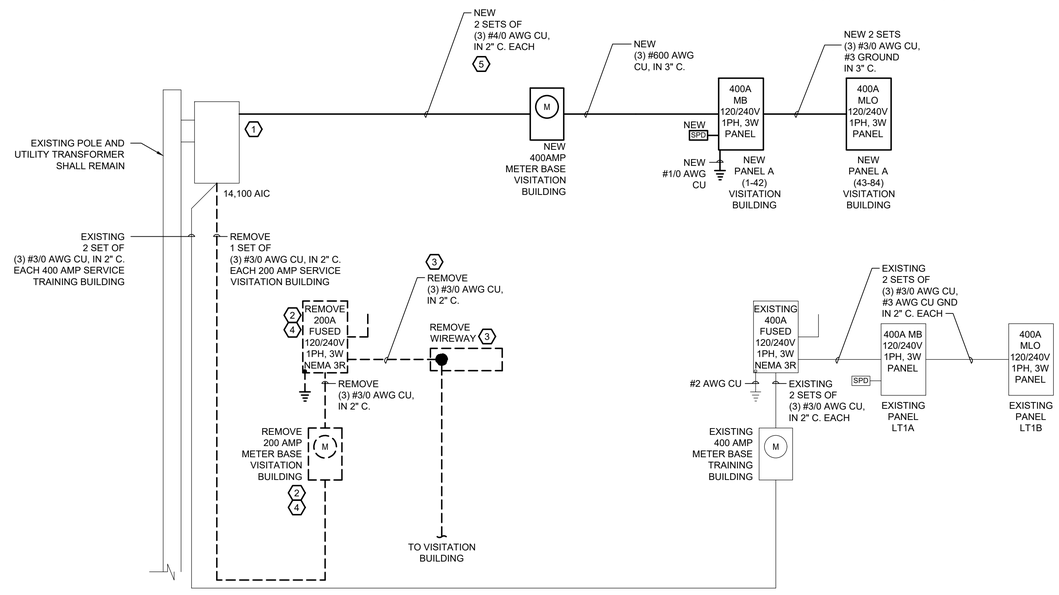
FED FROM PANEL A (CIRCUITS 1-42)

PANELBOARD LEGEND

SYMBOL	DESCRIPTION
G	PROVIDE GROUND FAULT (GFCI) CIRCUIT BREAKER
GFPE	PROVIDE GROUND FAULT TO PROTECT EQUIPMENT (GFPE) CIRCUIT BREAKER
LO	PROVIDE CIRCUIT BREAKER LOCK

INSTALLATION NOTES:

1. REPLACE VISITATION BUILDING CONDUIT RISER WITH A LARGER RISER. RUN UP EXISTING POLE. PROVIDE SCHEDULE 80 PVC CONDUIT, CONDUCTORS AND STANDOFF BRACKETS PER OHIO EDISON STANDARDS. CONNECTIONS TO THE OVERHEAD TRANSFORMER SHALL BE PROVIDED BY THE UTILITY. COORDINATE WITH OHIO EDISON PRIOR TO DEMOLITION.
2. REMOVE EXISTING VISITATION BUILDING UTILITY METER AND SERVICE DISCONNECT SWITCH WHEN THE NEW ELECTRIC SERVICE IS ENERGIZED. EXISTING METER AND SERVICE DISCONNECT ARE LOCATED ON THE OUTSIDE WALL OF THE TRAINING BUILDING.
3. WIREWAY IS LOCATED IN THE TRAINING BUILDING MECHANICAL ROOM. REMOVE WIREWAY AND VISITATION BUILDING FEEDER BETWEEN THE WIREWAY AND THE FLOOR. ABANDON EXISTING UNDERGROUND FEEDER BETWEEN THE TRAINING BUILDING AND THE VISITATION BUILDING. CAP CONDUIT.
4. TURN EQUIPMENT OVER TO THE OWNER.
5. WIRE SIZE INCREASED TO COMPENSATE FOR VOLTAGE DROP.



BUILDING SINGLE LINE DIAGRAM

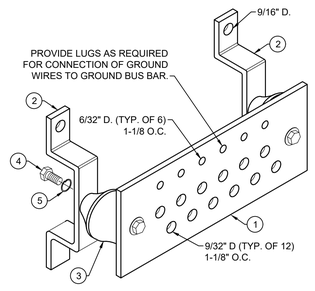
SCALE: NONE

BRANCH CIRCUIT WIRE SIZES FOR VOLTAGE DROP

CIRCUIT SIZE	VOLTAGE	WIRE SIZE (AWG)	CIRCUITS LENGTH (FEET)
20A	120V	#12	< 75'
20A	120V	#10	75' - 149'
20A	120V	#8	150' - 225'
20A	240V-1PH	#12	< 75'
20A	240V-1PH	#10	75' - 149'
20A	240V-1PH	#8	150' - 225'

BRANCH CIRCUIT CONDUCTOR SCHEDULE

SYMBOL	DESCRIPTION
20/1	(2) #12 AWG CU & (1) #12 AWG CU GND. IN 0.75" C ONDUIT
20/2	(2) #12 AWG CU & (1) #12 AWG CU GND. IN 0.75" C ONDUIT
30/1	(2) #10 AWG CU & (1) #10 AWG CU GND. IN 0.75" CONDUIT
30/2	(2) #10 AWG CU & (1) #10 AWG CU GND. IN 0.75" CONDUIT
40/2	(2) #8 AWG CU & (1) #10 AWG CU GND. IN 0.75" CONDUIT
50/1	(2) #6 AWG CU & (1) #10 AWG CU GND. IN 1.00" CONDUIT
50/2	(2) #6 AWG CU & (1) #10 AWG CU GND. IN 1.00" CONDUIT

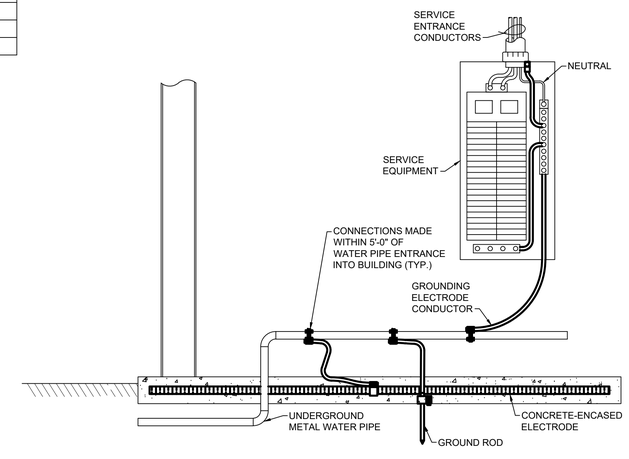


GROUND BAR NOTES:

1. 4"x1/4"x10" MIN LENGTH GROUNDING BAR EQUAL TO NEWTON INSTRUMENT COMPANY #0630580010. ACTUAL LENGTH REQUIRED BY QUANTITY OF GROUND CONNECTIONS.
2. WALL MOUNTING BRACKET.
3. INSULATORS.
4. 5/8-11X1 HEX HEAD CAP SCREWS.
5. 5/8" LOCKWASHER.

GROUND BAR DETAIL

SCALE: NONE



SERVICE GROUNDING DETAIL

SCALE: NONE

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revised

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10 SEP 2026
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visitation building renovations for:
clark county family services
525 e home road
springfield, ohio 45503

electrical riser diagram and schedules

project number
251429
date
09/10/2026
drawn by
TLH
checked by
SLC

sheet
E1.6

G:\Oregon Group Architects\25217 - Clark County Family Services Visitation Building\CAD\Electrical\25217 - Electrical.dwg, 9/10/2026 12:39:32 PM, chynoweth