

HARLAN TWP. FIRE STATION ALTERATIONS

9120, MORROW ROSSBURG RD.
PLEASANT PLAIN, OHIO 45162
WARREN COUNTY

ABBREVIATIONS

AB	ANCHOR BOLT	INT.	INTERIOR
AC	AIR CONDITIONING	J.B.	JUNCTION BOX
A.F.F.	ABOVE FINISHED FLOOR	JT.	JOINT
ALUM.	ALUMINUM	K.P.	KICK PLATE
∠	ANGLE	K.S.	KNEE SPACE
AT	AT	LAM.	LAMINATE
BD.	BOARD	L.P.	LOW POINT
BTW	BETWEEN	L.T.	LIGHT/LIGHTING
BLDG.	BUILDING	MATL.	MATERIAL
BLKG.	BLOCKING	MAX.	MAXIMUM
B.O.J.	BOTTOM OF JOISTS	MECH.	MECHANICAL
BRKT.	BRACKET	MEMB.	MEMBRANE
CAB.	CABINET	MET./MTL.	METAL
CEM.	CEMENT	MFR.	MANUFACTURER
CER.	CERAMIC	M.H.	MANHOLE
C.I.	CAST IRON	MIN.	MINIMUM
C.J.	CEILING JOIST OR CONTROL/CONST. JOINT	MOIST.	MOISTURE
C.L.	CENTER LINE	N.J.C.	NOT IN CONTRACT
CLG.	CEILING	NO.	NUMBER
CLR.	CLEAR/CLEARANCE	NOM.	NOMINAL
CMU	CONCRETE MASONRY UNIT	N.T.S.	NOT TO SCALE
C.O.	CLEAN OUT	O.C.	ON CENTER
CONC.	CONCRETE	O.F.O.J.	OWNER FURN. OWNER INSTALLED
CONST.	CONSTRUCTION	O.H.	OVERHANG
CONT.	CONTINUOUS	OPG.	OPENING
CONTR.	CONTRACTOR	OPP.	OPPOSITE
CS	COUNTERTOP SEAM	O.R.W.C.	OVERFLOW RAIN WATER CONDUCTOR
CSK.	COUNTERSINK	O.S.	OVERFLOW SCUPPER
DEPT.	DEPARTMENT	P.A.	PUBLIC ADDRESS
DIA.	DIAMETER	P.B.	PEG BOARD
DIM.	DIMENSION	P.D.F.	POWDER DRIVEN FASTENER
DN.	DOWN	PL. LAM.	PLASTIC LAMINATE
DTL.	DETAIL	PL.	PLATE
D.W.	DISH WASHER	PLYWD.	PLYWOOD
DWG.	DRAWING	PNL.	PANEL
DWR.	DRAWER	P.P.	PENETRATION PLATE
E.A.	EACH	PREFAB.	PREFABRICATED
E.J.F.S.	EXTERIOR INSULATION FINISH SYSTEM	P.T.	POINT
E.J.	EXPANSION JOINT	PTN.	PARTITION
EL.	ELEVATION	R	RADIUS
ELEC.	ELECTRICAL	R.A.	RETURN AIR
ELECT.	ELECTRICAL	R.D.	ROOF DRAIN
ELEV.	ELEVATOR	REC.	RECTANGULAR
ENCL.	ENCLOSURE	REF.	REFRIGERATOR
EQ.	EQUAL	REINF.	REINFORCED/REINFORCING
EQUIP.	EQUIPMENT	RES.	RESILIENT
E.W.C.	ELECTRIC WATER COOLER	RESIST.	RESISTANT
EXIST.	EXISTING	REQ'D	REQUIRED
EXH.	EXHAUST	RM.	ROOM
EXP.	EXPANSION	RND.	ROUND
EXT.	EXTERIOR	R.O.	ROUGH OPENING
F.A.	FIRE ALARM	R.W.D.	RAIN WATER CONDUCTOR
FAST.	FASTENED	S.C.	SOLID CORE
F.D.	FLOOR DRAIN	SCH.	SCHEDULE
FDN.	FOUNDATION	S.A.	SMOKE DETECTOR
F.E.	FIRE EXTINGUISHER	SEC.	SECTION
FIN.	FINISH	S.F.	SQUARE FOOT/FEET
FIXT.	FIXTURE	SHT.	SHEET
FLEX.	FLEXIBLE	SIM.	SIMILAR
FLOUR.	FLUORESCENT	SK.	SINK
FLR.	FLOOR	S.M.	SHEET METAL
F.O.	FINISHED OPENING	SPEC.	SPECIFICATION
F.O.C.	FACE OF CONCRETE	SQ.	SQUARE
F.O.F.	FACE OF FINISH	S.S.	STAINLESS STEEL
F.O.M.	FACE OF MASONRY	STD.	STANDARD
FT.	FOOT/FEET	STOR.	STORAGE
FTG.	FOOTING	STL.	STRUCTURAL
GA.	GAUGE	SUSP.	SUSPENDED
GALV.	GALVANIZED	SYM.	SYMMETRICAL
G.I.	GALVANIZED IRON	TEL.	TELEPHONE
GL.	GLASS	TEMP.	TEMPERED
GRD.	GROUND	T.O.	TOP OF
G.S.F.	GROSS SQUARE FEET	TYP.	TYPICAL
G.W.B.	GYPSON WALL BOARD	U.O.N.	UNLESS OTHERWISE NOTED
GYP.	GYPSON	V.C.T.	VINYL COMPOSITE TILE
H.C.	HANDICAPPED	VERT.	VERTICAL
HDR.	HEADER	W/	WITH
HGT./HT.	HEIGHT	W/ANS.	WAINSCOT
H.M.	HOLLOW METAL	W/D.	WOOD
HORIZ.	HORIZONTAL	W/O	WALL OVEN
H.P.	HIGH POINT	W.O.	WHERE OCCURS
HR.	HOUR	W/O	WITHOUT
HUB.D.O.	HUB DRAIN OUTLET	W.P.	WATER PROOF
INSUL.	INSULATION	W.R.	WATER RESISTANT

LOAD CALCULATIONS

UNIFORMLY DISTRIBUTED LIVE LOAD DESIGN VALUES

LIVING AREAS	40 PSF
SLEEPING AREAS	30 PSF
BALCONIES/DECKS	40 PSF
LIMITED ATTIC STORAGE	20 PSF

SNOW LOADS

GROUND SNOW LOAD (Pg)	=20 PSF
ROOF SNOW LOAD (Pi)	=20 PSF
SNOW EXPOSURE FACTOR (Ce)	=1.0
SNOW LOAD IMPORTANCE FACTOR (I)	=1.0
THERMAL CONDITION FACTOR (Ct)	= 1.0

SOIL BEARING CAPACITY =1500 PSF (ASSUMED)
SOIL BEARING CAPACITY TO BE VERIFIED BEFORE CONSTRUCTION

WIND LOADS

BASIC WIND SPEED	=115 M.P.H.
WIND LOAD IMPORTANCE FACTOR (I)	=1.0
WIND EXPOSURE CATEGORY	=EXPOSURE B
IBC "B"/I=I ₀ /P _{max}	=17.8 PSF
ROOF UPLIFT PRESSURE	=-15.4 PSF GROSS UPLIFT

EARTHQUAKE DESIGN DATA

SEISMIC USE GROUP	=I
S _{ds}	=0.201
S _{d1}	=0.131
SITE CLASS	=D
BASIC SEISMIC SYSTEM	=LIGHT FRAME WALLS W/ WOOD SHEAR PANELS
RESISTING MOMENT	C _s =0.022
DESIGN BASE SHEAR	C _u x 33.3k = 0.13k

ARCHITECTURAL SYMBOLS

BRICK	PLYWOOD ; SMALL SCALE	STONE ; ROUGH-CUT OR RUBBLE
CONCRETE MASONRY UNIT	METAL ; SMALL SCALE STRUCTURAL, FLASHING	WOOD ; FINISH
CAST IN PLACE OR PRE-CAST CONCRETE	GYPSUM WALL BOARD	WOOD ; ROUGH
LIGHT WEIGHT CONCRETE	STUCCO REINFORCED	WOOD BLOCKING
CAST STONE	RESILIENT FLOORING	PLYWOOD ; LARGE SCALE
EARTH ; BACKFILL	STEEL	CARPET AND PAD
EARTH ; UNDISTURBED	PILASTER CEMENT, SAND, GROUT	CERAMIC TILE ; LARGE SCALE
BATT OR BLOWN INSULATION	ROCK OR STONE	CERAMIC TILE ; PROFILE
RIGID INSULATION	CRUSHED STONE, GRAVEL, OR POROUS FILL	GLASS ; LARGE SCALE
METAL, ALUMINUM, ETC.	CUT STONE, BLUESTONE FLAGSTONE OR SLATE	GLASS ; SMALL SCALE
BUILDING CORE & SHELL		
DOOR NUMBER	CHANGE OF FLOOR FINISH	SECTION NUMBER SHEET NUMBER
DOOR SYMBOL	DATUM ELEVATION	DETAIL
WINDOW SYMBOL	SECTION NUMBER SHEET NUMBER	SECTION NUMBER SHEET NO.
REVISION NUMBER	CLOSET	DETAIL ENLARGEMENT
NOMENCLATURE SYMBOL	ROOM NAME ROOM NUMBER	
PARTITION TYPE		
JOIST/TRUSS SPAN		
WALL-HUNG FIRE EXTINGUISHER	TEMPERED GLAZING	
ELEC. SMOKE DETECTOR HARDWIRED W/ BATTERY BACK-UP	EXHAUST FAN- VENT TO EXTERIOR	
22'x30" ATT. ACC.	22'x30" ATT. ACCESS PANEL ABV.	

DRAWING LIST

SHEET #	TITLE
CI	COVER SHEET
C2	FURNITURE PLAN
A1	FLOOR PLAN
A2	PLUMBING PLAN
A3	DOOR SCHEDULE
A4	BATHROOM ELEVATIONS
G1	GENERAL NOTES
E1a	EXTG LIGHTING PLAN
E1b	ELECTRICAL PLAN & RCP

CONSTRUCTION INFO.

LOCATION: CITY OF PLEASANT PLAIN, WARREN COUNTY
BUILDING CODE: 2024 OBC & 2019 RCO
USE GROUP: NEW WORK: "R-2" EXTG BLDG: (MIXED USE); "B" IN OFFICE AREAS, "S-1" IN THE APPARATUS BAY ("PUBLIC GARAGE, GROUP 1"), "A-3" IN THE MULTI-PURPOSE ROOM, "R-2" IN DAYROOM

CONSTRUCTION TYPE: 3B
SPRINKLERED: NON-SPRINKLERED
BLDG. LIMITATIONS: 2 STORY - 30' MAX

ACTUAL SIZE: 1 STORY - 2'

INDIVIDUAL UNIT SIZE: 1241 S.F. (NEW WORK FOOTPRINT)
10 S.F. UNIT B1, B2
48 S.F. UNIT B3, B4
45 S.F. UNIT B5
54 S.F. UNIT B6

EXTG OCCUPANT LOAD: 139 OCCUPANTS
RM. 101 (A-3) 1442 SF. @ 15 SF/OCC.= 10 OCCUPANTS
RM. 103 & 104 (B) 450 SF. @ 100 SF/OCC.= 4 OCCUPANTS
RM. 105 (B) 418 SF. @ 100 SF/OCC.= 4 OCCUPANTS
RM. 115 (R-2) 448 SF. @ 200 SF/OCC.= 3 OCCUPANTS
RM. 116 (S-1) 5049 SF. @ 300 SF/OCC.= 16 OCCUPANTS

NEW OCCUPANCY LOAD: 142 OCCUPANTS
NEW WORK ENCOMPASSING EXTG RM. 115 (R-2) 1241 S.F. @ 200 SF/OCC.= 6 OCCUPANTS

(NOTE: SEE EXTG PLANS BY COLE + RUSSELL DATED 8-30-2000)

SDA PROJECT NUMBER: XXX25023
ISSUE DATE: 2025 PERMIT ISSUE

CONTACT PERSONS

PROJECT ARCHITECT : RANDALL PLIKERD, RA
PROJECT MANAGER : RODNEY SABO
GENERAL CONTRACTOR: ED PORGINSKI
MECHANICAL: DESIGN/BUILD
ELECTRICAL: DESIGN/BUILD
PLUMBING: DESIGN/BUILD

REVISIONS	Date	Description	Chk'd By
	4/16/25	PERMIT SET SEALED	

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Randall Plikerd, R.A.
Lic. # 8557
Exp. 12-31-2025

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PROJECT NO. XXX25023	DRAWN BY: WRS
DATE: 1/14/25	CHECKED BY:
SCALE:	APPROVED BY:
AS NOTED	

SHEET NO.
C1

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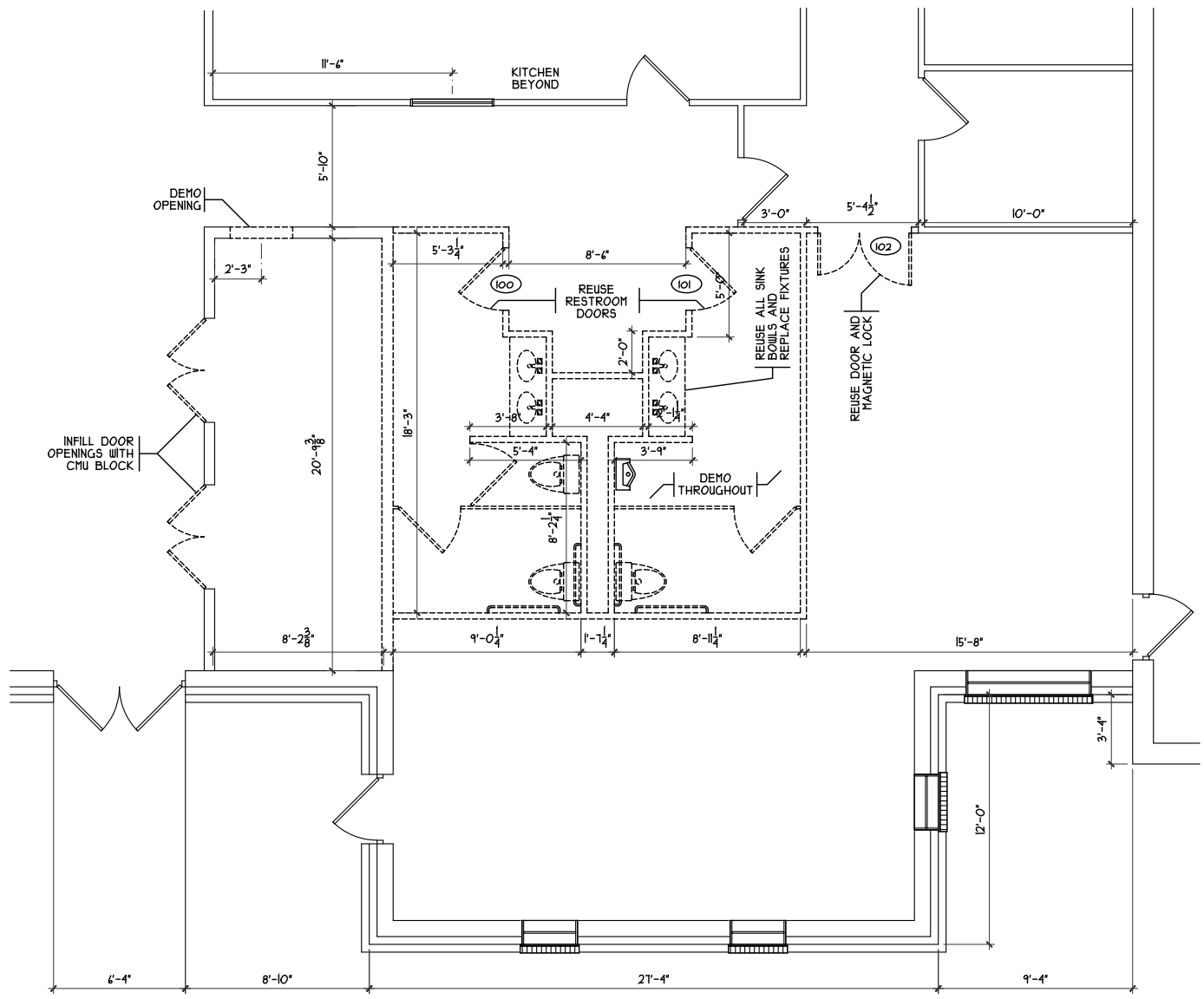


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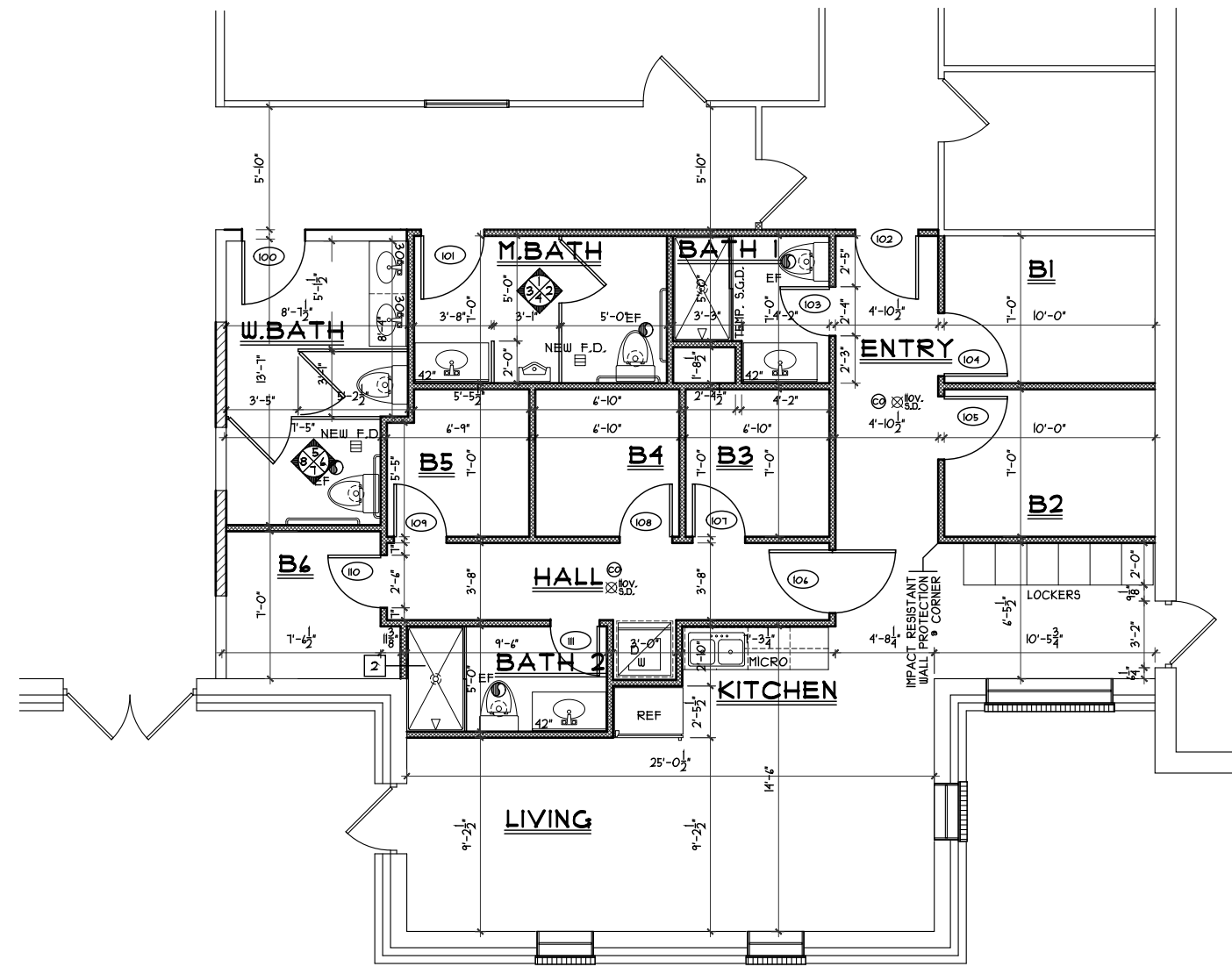
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A1



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



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

LEGEND

DEMO WALL	-----
EXISTING WALL	=====
NEW WALL	=====

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DOOR AND FRAME SCHEDULE

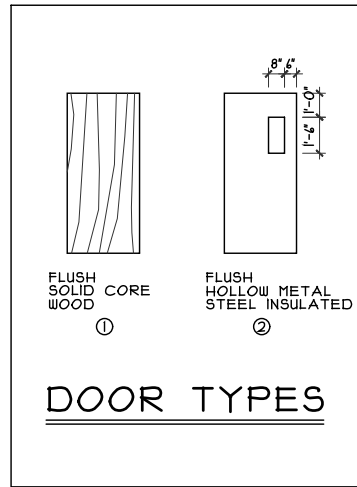
DOOR							FRAME							NO.	REMARKS		
NO.	LABEL	WIDTH	HEIGHT	THICK	MATERIAL	FINISH	GLASS	TYPE	LABEL	MATERIAL	TYPE	WIDTH	DETAIL			SADDLE	HARDWARE
100	W.BATH	3'-0"	T'-0"	1 3/4"	WOOD	STAIN			H.M.	A						100	TRANSITION STRIP/REUSE EXTG DOOR
101	M.BATH	3'-0"	T'-0"	1 3/4"	WOOD	STAIN			H.M.	A						101	TRANSITION STRIP/REUSE EXTG DOOR
102	ENTRY	3'-0"	T'-0"	1 3/4"	STEEL	PAINT			H.M.	A						102	REUSE DOOR & MAGNETIC LOCK
103	BATH	2'-4"	T'-0"	1 3/4"	WOOD	STAIN			H.M.	C						103	TRANSITION STRIP
104	B1	3'-0"	T'-0"	1 3/4"	WOOD	STAIN			H.M.	A						104	TRANSITION STRIP
105	B2	3'-0"	T'-0"	1 3/4"	WOOD	STAIN			H.M.	A						105	TRANSITION STRIP
106	HALL	3'-0"	T'-0"	1 3/4"	STEEL	PAINT	1/4" TEMP	2	H.M.	A						106	TRANSITION STRIP
107	B3	2'-6"	T'-0"	1 3/4"	WOOD	STAIN			H.M.	B						107	
108	B4	2'-6"	T'-0"	1 3/4"	WOOD	STAIN			H.M.	B						108	
109	B5	2'-6"	T'-0"	1 3/4"	WOOD	STAIN			H.M.	B						109	
110	B6	2'-6"	T'-0"	1 3/4"	WOOD	STAIN			H.M.	B						110	
111	BATH	2'-4"	T'-0"	1 3/4"	WOOD	STAIN			H.M.	C						111	

FUNCTION	ANSI CODE	SET NO.				
		1	2	3	4	5
1 1/2 PR. BUTTS						
3 PR. BUTTS						
SILENCERS						
CLOSER/LEAF						
THRESHOLD						
WEATHERSTRIP						
SWEEP						
DRIP						
ASTRAGAL/ BALL LATCH						
STOP						
OFFICE LOCK	F81-2					
PRIVACY LATCH	F14-2					
UTILITY LATCH	F84-2					
EXIT W/ BLANK PLATE						
PASSAGE	F15-2					
PANIC BAR						
PUSH/PULL/LEAF						
KICK PLATE/LEAF						
CYLINDER						
PUBLIC SET						
ENTRANCE	F81-2					
RECESSED PULL						
PUSH PLATE BOTH SIDES						
2-WAY SPRING HINGES						
MORTISE CYLINDER						
OFFSET PIVOTS						
DEADBOLT						
BARN DOOR HDWR.						
FLUSH BOLTS						
BI-PASS TRACK/ROLLERS						
CYLINDER/ PAIR*						
PEEP HOLE						
ELECTRIC SERVICE						
BI-FOLD DOOR HDWR.						
BI-PASS DOOR HDWR.						

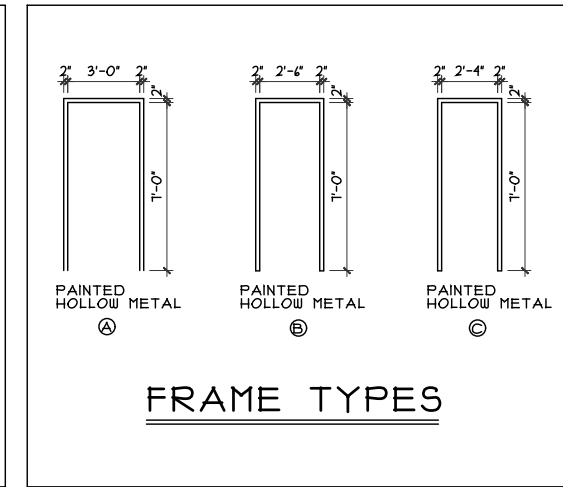
ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS
100	W.BATH					PAINTED CMU AT PLAN LEFT WALL ONLY
101	M.BATH					
102	ENTRY					
103	BATH 1					
104	B1					
105	B2					
106	HALL					
107	B3					
108	B4					
109	B5					
110	B6					PAINTED CMU AT PLAN LEFT WALL ONLY
111	BATH 2					
112	KITCHEN					
110	LIVING					

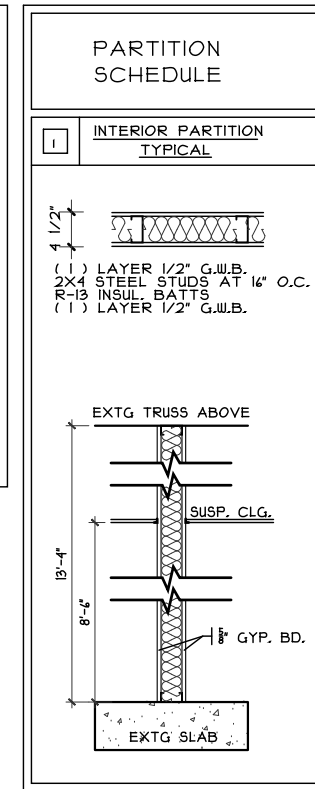
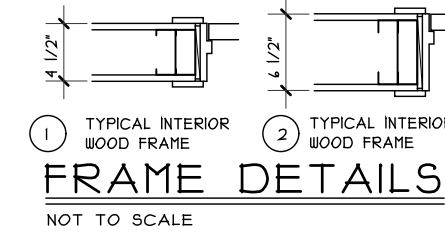
NOTES:
 1. ALL ACCESS PANELS, CONDUITS, GRILLES, REGISTERS, DIFFUSERS, ETC. ARE TO BE PAINTED TO MATCH ADJACENT SURFACES.
 2. SEE FINISH SCHEDULE FINISH SPECIFICATIONS AND REQUIREMENTS.
 3. INSTALL TRANSITION STRIPS AT NEW DOORWAYS WERE SELF LEVELING CONCRETE STOPS (100, 101, 103, 104)



DOOR TYPES



FRAME TYPES



HARDWARE NOTES

- ALL EGRESS DOORS & HARDWARE SHALL BE IN STRICT COMPLIANCE WITH OBC SECTION 1008.1.8 HARDWARE FOR ALL SWINGING DOORS SHALL PERMIT EGRESS AT ALL TIMES WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT PER OBC 1008.1.8
- DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH OBC 1008.1.8.1 AND NOT EXCEED 48" A.F.F.
- DOOR HARDWARE OPERATING DEVICES SHALL BE CAPABLE OF OPERATION WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE PER OBC 1008.1.8.1 AND ADAAG 4.13.9.
- DOOR CLOSERS SHALL BE ADJUSTABLE TO MEET THE REQUIREMENT OF ADAAG 4.13.10 FOR CLOSING SPEED AND ADAAG 4.13.11 AND OBC 1008.

NO.	DESCRIPTION	CHK'D BY
1	PERMIT SET SEALED	

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STATE OF OHIO
 REGISTERED ARCHITECT

RANDALL PILKNER
 8557

Randall Pilkner, R.A.
 Lic. # 8557
 Exp. 12-31-2025

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XXX25023	1/14/25			WRS		

A3

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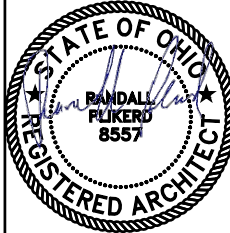
◆ KEY NOTES

1. 34"Hx24"D BASE CAB. w/ LAMINATE TOP
2. 43" HIGH HALF WALL w/ 18" LAM. TOP, O.H. 12"
3. HAND SINK w/ 30" SINK BASE AND LAM. TOP.
4. WALL MOUNTED LAVATORY
5. 36" GRAB BAR w/ BLKG. IN WALL
6. 30"H LAM. DESK TOP-24"D
7. 30"x30" MOP SINK
8. REFRIGERATOR
9. ELECTRIC PANEL
10. BASE MOULDING
11. TOILET PAPER HOLDER
12. WALL MOUNTED MIRROR
13. PAPER TOWEL DISPENSER
14. 42" GRAB BAR w/ BLKG. IN WALL
15. WALL MOUNTED VANITY TOP w/ SINK BOWL
16. 48"x48" SLIDING RECEPTION WINDOW w/ 18" LAMINATE TOP BEL.-MAX 34" A.F.F.
17. METAL PARTITIONS

Date	No.	Description	Chk'd By
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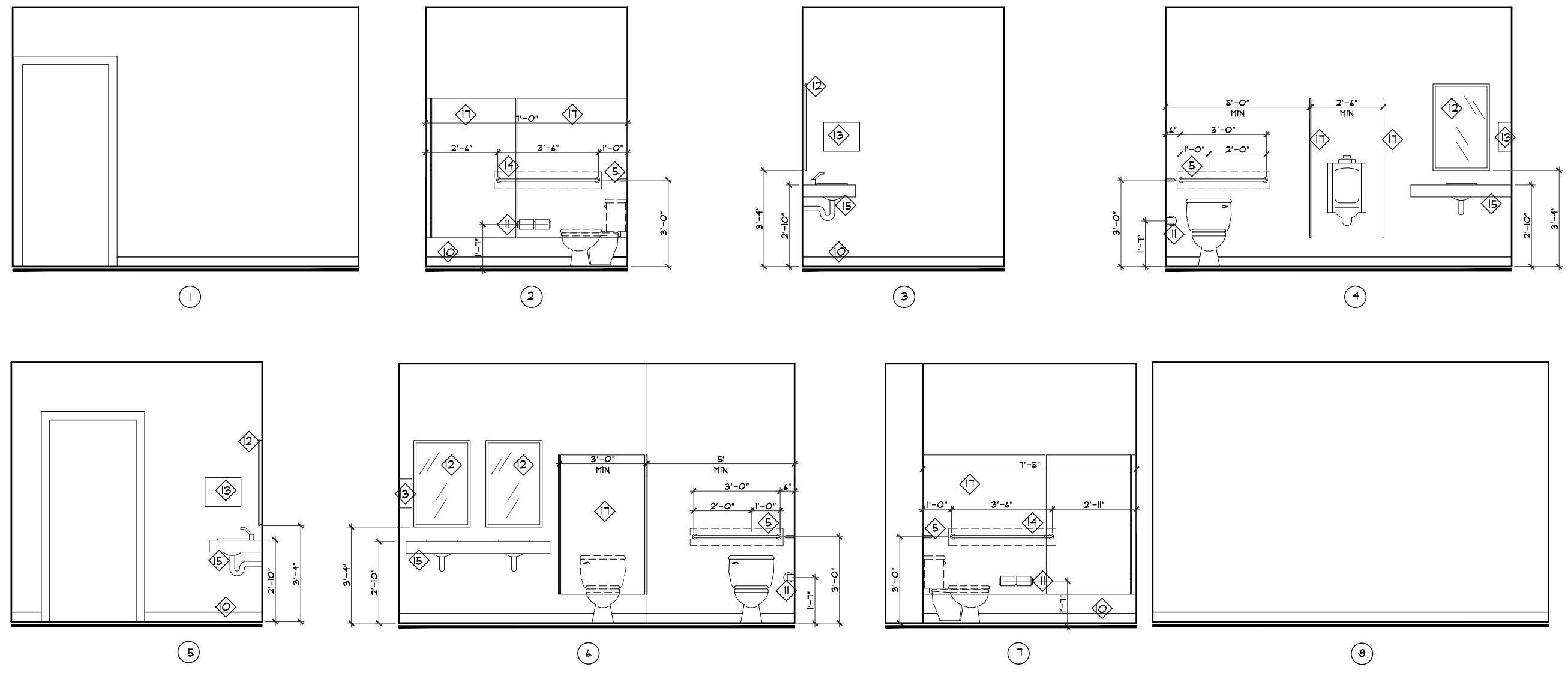


RANDALL PLIKER
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A4



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

GOVERNING CODE
 2024 OHIO BUILDING CODE USE GROUP R-2 / 2019 RESIDENTIAL CODE OF OHIO / MECHANICAL CODE FOLLOWED FOR MECHANICAL MI PLUMBING CODE FOR ALL PLUMBING FIXTURES, EQUIPMENT, WATER SUPPLY, AND SANITARY SYSTEMS - CHAPTER 13 FOR ENERGY CONSERVATION.
 ENERGY EFFICIENCY COMPLIANCE - 2019 RCO OHBA OPTION SECTION III - COMPLIANCE PATH #2
 OBC CHAPTER 1 APPLICABLE FOE CODE ADMINISTRATION PURPOSES - NFPA 10 LISTED IN CHAPTER 35 OF THE OBC FOR ELECTRICAL COMPONENTS, EQUIPMENT, AND SYSTEM REQUIREMENTS.
 THESE PLANS ARE CONTRACTORS GUIDE PLANS ONLY. DESIGNER IS RESPONSIBLE FOR WORK ONLY AS SHOWN ON THE DRAWINGS, BASED ON IDEAL CONDITIONS. ANY SITE OR JOB CONDITIONS THAT MAY ARISE THAT CAUSE THE CONTRACTOR TO VARY FROM THE DRAWINGS SHALL BE HIS RESPONSIBILITY. THE DESIGNER IS IN NO WAY RESPONSIBLE FOR INSPECTION OF FIELD INSTALLATION NOR QUALITY OF CONSTRUCTION UNLESS SPECIFICALLY DIRECTED AND CONTRACTED FOR BY THE OWNER. ANY JOB CONDITIONS VARYING FROM THE DRAWINGS AS SHOWN ARE THE RESPONSIBILITY OF THE OWNER. OWNER AND/OR CONTRACTOR IS RESPONSIBLE TO NOTIFY THE DESIGNER OF ANY ERRORS OR OMISSIONS ON THE CONTRACT DRAWINGS. ANY MODIFICATION OR ADJUSTMENT BY OWNER/SUB CONTRACTOR RESULTANT FROM ERROR OR OMISSION SHALL NOT BE RESPONSIBILITY OF DESIGNER.

- DO NOT SCALE DRAWINGS.
- ALL SHELVING SHALL BE 12" DEEP UNLESS OTHERWISE NOTED. ALL LINEN CLOSETS AND PANTRIES SHALL HAVE (5) SHELVES.
- DIMENSION NOTES:
 1. ALL EXTERIOR DIMENSIONS ARE TO FACE OF FOUNDATIONS WALLS, UNLESS OTHERWISE NOTED. 1/2 OSB CONTINUOUS SHEATHING, CS-PF AND CS-WSP BRACING METHOD.
 2. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUDS.
 3. ALL INTERIOR WALLS ARE 2X4 STUDS @ 16" O.C. (3 1/2") UNLESS OTHERWISE NOTED.
- ALL SILL PLATES TO BE PRESSURE TREATED AND BOLTED TO FOUNDATION OR ATTACHED WITH ANOTHER APPROVED ANCHORING METHOD. MINIMUM FOUNDATION SILL PLATE ANCHORAGE & REINFORCEMENT SCHEDULE (PER TABLES 404.1.2(8) & 404.1.2(9))

FOUNDATION WALL HEIGHT	FOUNDATION THICKNESS	MAXIMUM BACKFILL	MAXIMUM ANCHOR BOLT SPACING	MINIMUM FOOTING SIZE	VERTICAL STEEL	HORIZONTAL STEEL
1' AND LESS	8"	5'	40"	20"x8"D	N/R	
8'	8"	6'		20"x8"D	5#43'/4#28"	
8'	8"	7'	12"	20"x8"D	6#43'/4#20"	(2)#4 TOP @ 48"
9'	8"	5'	32"	20"x8"D	N/R	
9'	8"	8'		20"x8"D	6#29'/4#13"	
8'	10"	8'	36"	22"x8"D	6#44'/4#20"	(2)#4 12" TOP @ 48"
9'	10"	8'	36"	22"x8"D	6#39'/4#18"	(3)#4 12" TOP @ 1/2 PTS.
10'	10"	8'		22"x8"D	6#35'/4#16"	
10'	10"	9'		22"x8"D	6#27'/4#12"	

*THE MIN. THICKNESS IS PERMITTED TO BE REDUCED BY 2", PROVIDED THAT THE MIN. SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE IS 4,000 PSI. 1/2" DIAMETER BOLTS OR STRAPS TO BE 12" FROM CORNERS, EMBED A MINIMUM OF 1" INTO POURED CONCRETE, 15" MINIMUM INTO CONCRETE BLOCK WALLS. ALL SILL PLATES TO REST ON A CONTINUOUS SILL SEALER.

- DESIGN LIVE LOADS ARE AS FOLLOWS (P.S.F.): (MAX DEF. FLOORS & STRUCT. MEMBERS = L/360, WALLS= H/240, ROOF= L/240)
 A) EXTERIOR BALCONIES AND DECKS 40#LL/ 10#DL /SQ. FT.
 B) LIVING AREAS (EXCEPT SLEEPING AREAS) 40#LL/ 10#DL /SQ. FT.
 C) STAIRS 40#LL/ 10#DL /SQ. FT.
 D) ATTICS- LIMITED ATTIC STORAGE. 20#LL/ 10#DL /SQ. FT.
 NO STORAGE 10# LL/ 10#DL /SQ. FT.
 E) SLEEPING AREAS. 30#LL/ 10#DL /SQ. FT.
 F) GARAGES (PASSENGER CARS ONLY) 50 #/SQ. FT.
 G) WIND 115 MPH
 H) ROOF 20#LL/ 25#DL /SQ. FT.
 I) GUARDRAILS AND HANDRAILS 200 #/CONCENTRATED LOAD IN ANY DIRECTION AT ANY POINT AT GUARD TOP
 J) GUARDRAIL INFILL 50 #/ SQ. FT.
- TERMITE PROTECTION SHALL BE PROVIDED BY:
 1) SOIL POISONING OF THE ENTIRE EXCAVATED AREA UTILIZING A CHEMICAL TREATMENT OF SUCH MATERIAL THAT THE TEST RESULTS MEET A 5 YEAR TEST CONDUCTED BY THE U.S. FOREST SERVICE.
 2) A COMBINATION OF CONCRETE FOUNDATION WALLS AND TREATED WOOD, LUMBER AND PLYWOOD, PROPERLY IDENTIFIED, AND LABELED.
- EXTERIOR AND FOUNDATION WALL PANELS OF FRAME CONSTRUCTION SHALL BE BRACED WITH APPROVED STRUCTURAL SHEATHING, 1X4 LET IN BRACES, OR APPROVED METAL STRAP DEVICES. METAL STRAPS TO BE SIMPSON #CMB 104 1/4 GAUGE GALVANIZED METAL CORNER BRACING.
- INTEL SCHEDULE:

MASONRY OPENINGS			
SIZE OF ANGLE	NO STORY ABOVE	1 STORY ABOVE	2 STORY ABOVE
3X3X1/4	6'-0"	3'-6"	3'-0"
4X3X1/4	8'-0"	5'-0"	3'-0"
4X3 1/2 X 1/4	14'-0"	8'-0"	3'-6"
17X4X 3/8	16'-0" WIDE GARAGE DOOR OPENINGS		

HEADER SCHEDULE:	
(2)2X10'S #1 SYP. UNLESS OTHERWISE NOTED	
HEADERS (2X4 STUDS PARTITIONS) SYP #1 1,100,000	HEADERS (2X4 STUDS PARTITIONS) SYP #1 1,100,000
SPANS TO 6'-0" (3)2X12'S W/ 1/2" PLYWOOD SPACERS	SPANS TO 6'-0" (2)2X12'S W/ PLYWOOD SPACERS
SPANS 6'-0" TO 9'-0" (3)2X12'S W/ (2) 1/2" PLYWOOD PLATE	SPANS 6'-0" TO 9'-0" (2)2X12'S W/ 1/2" PLYWOOD PLATE
SPANS 9'-0" AND LARGER PER PLAN	SPANS 9'-0" AND LARGER PER PLAN

- ALL SMOKE DET./CO SHALL BE INTERCONNECTED SUCH THAT THE ACTUATION OF ONE ALARM WILL ACTUATE ALL THE ALARMS IN THE INDIVIDUAL UNIT AND SHALL PROVIDE AN ALARM WHICH WILL BE AUDIBLE IN ALL SLEEPING AREAS. SMOKE DETECTORS SHALL UTILIZE PHOTOELECTRIC AND IONIZATION TECHNOLOGIES AND RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WITH BATTERY BACK-UP. SMOKE DETECTORS REQUIRED IN THE VICINITY OF BEDROOMS SHALL UTILIZE PHOTOELECTRIC TECHNOLOGIES. SEPARATE OR DUAL-SENSING SMOKE ALARMS MAY BE USED. SMOKE DETECTOR LOCATION AS SHOWN PER PLANS. CARBON MONOXIDE DETECTORS SHALL BE LOCATED OUTSIDE IMMEDIATE VICINITY OF BEDROOMS. DEVICES MAY BE SEPARATE PLUG-IN DEVICES. ☒ ☑ ☐ ☒
- VENT ALL BATH FANS TO OUTSIDE. MIN 50 CFM, OR HIGHER PER ENERGY REPORT.
- MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE (FC) @ 28 DAYS PSI. OWNER SHALL VERIFY SOIL CONDITION AT SITE. FOUNDATION DESIGNED FOR SOIL BEARING CAPACITY OF 1500 PSF.
 TYPE OF LOCATIONS OF CONCRETE CONSTRUCTION.
 BSM-T WALLS AND FOUNDATIONS NOT EXPOSED TO WEATHER 3,000 (1)
 BSM-T SLABS AND INTERIOR SLABS ON GRADE EXCEPT GARAGE FLOOR SLABS 2,500 (1)
 BSM-T WALLS, FOUNDATIONS WALLS, EXTERIOR WALLS AND OTHER VERTICAL CONCRETE WORK EXPOSED TO THE WEATHER 3,000 (2)
 PORCHES, CARPORT SLABS AND STEPS EXPOSED TO THE WEATHER, AND GARAGE FLOOR SLABS. 4,500 (2)
 (1) CONCRETE IN THESE LOCATIONS WHICH MAY BE SUBJECT TO FREEZING AND THAWING DURING CONSTRUCTION SHALL BE AIR-ENTRAINED CONCRETE
 (2) CONCRETE SHALL BE AIR-ENTRAINED. TOTAL AIR CONTENT (% BY VOLUME OF CONCRETE) SHALL BE NOT LESS THAN 5% OR MORE THAN 7%
- FOUNDATION WALLS SHALL EXTEND AT LEAST 12" ABOVE THE FINISHED GRADE ADJACENT TO THE FOUNDATION AT ALL POINTS. WHERE MASONRY VENEER IS USED, FOUNDATION WALLS SHALL EXTEND A MINIMUM OF 4" INCHES ABOVE THE FINISHED GRADE.
- CRAWL SPACES UNDER FLOOR GRADE SHALL BE CLEANED OF ALL VEGETATION AND ORGANIC MATERIAL. MINIMUM 4" BASE OF GRAVEL WITH AN .006 MILL POLYETHYLENE VAPOR BARRIER WITH JOINTS LAPPED NOT LESS THAN 6" IN REQUIRED IN ALL CRAWL SPACES.

WEATHERING POTENTIAL	
3,000 (1)	
2,500 (1)	
3,000 (2)	
4,500 (2)	

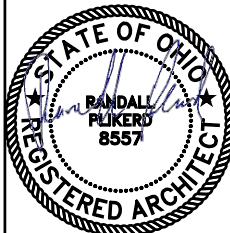
- FOUNDATION WALLS OF HABITABLE SPACES LOCATED BELOW GRADE SHALL BE WATERPROOFED WITH BITUMINOUS COATING.
- SLABS SHALL BE CONSTRUCTED WITH CONTROL JOINTS HAVING A DEPTH OF AT LEAST 1/4 THE SLAB THICKNESS, AND JOINTS SHALL BE SPACED AT INTERVALS NOT MORE THAN 20 FEET IN EACH DIRECTION.
- STUDS SHALL BE A MINIMUM NO. 3 OR STANDARD STUD GRADE LUMBER. (SPF 1,200,000) NONBEARING STUDS OR BEARING STUDS NOT SUPPORTING FLOORS MAY BE UTILITY GRADE LUMBER, PROVIDED THAT STUDS ARE SPACED 16" ON CENTER MAXIMUM.
- STRUCTURAL WOOD FLOOR JOIST AND RAFTERS 2X6 OR LARGER SHALL BE SYP#1-1,100,000.
- ALL WOOD TRUSSES TO BE SHOP ENGINEERED AND FABRICATED TO MEET ALL CODES REQUIREMENTS. APPLICANT SHALL SUBMIT TRUSS DESIGN DATA (IE MANUFACTURER SPECIES/GRADE, AND ENGINEERS' SEALED DRAWINGS) FOR BUILDING INSPECTOR APPROVAL AT THE FRAMING INSPECTION. DELAYED SUBMITTALS TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL PRIOR TO INSPECTIONS. TRUSSES SHALL BE BRACED PER TRUSS MFR. & WALLS BLOCKED FOR BRG. TO SOLID BRG. PER MFR. UNLESS OTHERWISE NOTED. TRUSSES ARE NOT TO BE USED FOR STORAGE-WEB CONFIGURATION NOT TO ALLOW 42"x24" RECTANGLE TO PASS THRU. BOTTOM CHORDS OF ALL TRUSSES SHALL BE DESIGNED FOR A MINIMUM DEAD LOAD OF 10 P.S.F.-AN ADDITIONAL 5 P.S.F. SHALL BE ADDED FOR CEILING DEAD LOAD. TRUSSES TO BE CONNECTED TO WALL PLATES BY APPROVED CONNECTORS.SIMPSON H2.5A OR EQ., MIN. UPLIFT RESIST 115#
- NOTCHES IN EXTERIOR WALLS OR BEARING WALL STUDS ARE NOT TO EXCEED ONE-FORTH OF THE STUD WIDTH. NOTCHES IN NON LOAD BEARING PARTITIONS SHALL NOT EXCEED 40 PERCENT OF THE STUD WIDTH. NOTCH WALL PLATES SHALL CONFORM W/ 404.4. NOTCHES IN FLOOR JOISTS AND ROOF RAFTERS SHALL NOT BE LOCATED IN THE MIDDLE ONE-THIRD OF THE SPAN. NOTCHES IN THE TOP OR BOTTOM OF THE MEMBER ARE NOT TO EXCEED ONE-SIXTH OF THE MEMBER DEPTH. HOLES SHALL NOT BE BORED LARGER THAN ONE-THIRD OF THE MEMBER DEPTH, OR WITHIN TWO INCHES OF THE TOP OF BOTTOM OF THE MEMBER OR WITHIN TWO FEET OF BEARING. NO HOLES OR NOTCHES ARE ALLOWED IN BEAMS UNLESS APPROVED BY *SABO DESIGN ASSOCIATES.*
- FIRE STOPPING SHALL BE PROVIDED IN WOOD-FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS.
 1. IN CONCEALED SPACES OF STUD WALLS AND PARTITION, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVEL.
 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP & COVE CEILINGS, ETC.
 3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
 4. AT OPENINGS AROUND VENTS, PIPES, DUCTS CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVEL WITH NON COMBUSTIBLE MATERIALS.
- MASONRY VENEER SHALL BE ATTACHED TO THE SUPPORTING WALL WITH CORROSION- RESISTANT METAL TIES NOT LESS THAN NO. 22 US GAUGE BY 1/8" WIDE, CORRUGATED. EACH TIE TO BE 1/2" ON CENTER HORIZONTALLY AND 24" ON CENTER VERTICALLY. MASONRY VENEER SHALL HAVE MINIMUM ONE TIE PER 2.41 SQ. FT. OF WALL AREA. WALL OPGS. GREATER THAN 1/2" SHALL HAVE ANCHOR TIES MAX. 36" O.C. AROUND OPG. AND WITHIN 12" OF THE WALL OPG.
- EGRESS - ALL BDRM WINDOWS SHALL PROVIDE A MIN. CLEAR OPG. OF 20"MIN. WIDTH, 24"MIN. HT.- 5.0 SQ. FT. AT GRADE LEVEL. 5.1 SQ. FT. ELSEWHERE- 44" MAX. A.F.F.
- PRE-FAB. FIREPLACE UNITS IF INCLUDED ON PLANS; SUPPLY COMBUSTIBLE AIR AS REQUIRED BY MANUFACTURER. CONTRACTOR TO INSTALL PROTECTIVE TOUCH COVER OVER FLUE WHEN FLUE IS 6" OR LESS TO GRADE/DECK/PORCH.
- ALL HANDRAILS SHOULD BE 34" ABOVE NOSING OF THREAD AND BE 2 1/4" MAX. DIAMETER GRIPPABLE. RAILINGS TO BE TERMINATED AT POST, RETURNED TO WALL, OR HAVE SAFETY TERMINATION AT ENDS.
- STAIRS TO MIN. 36" WIDE. TREADS TO BE MIN 9" DEEP WITH 1" NOSING. TREAD NOSING TO HAVE EASED EDGES. RISERS TO BE MAX. 8 1/4" AND 6" MIN.- OPEN RISER STAIRS (DECKS) TO NOT ALLOW PASSAGE OF 4" DIA. SPHERE. ALL STAIRS, INTERIOR AND EXTERIOR- TO BE ARTIFICIALLY ILLUMINATED AT STEPS AND LANDINGS.
- MICROLLAM BEAM DESIGN BASE VALUES ARE: Fb=2,400 P.S.I., Fv=285P.S.I., E=1,900,000 P.S.I. Fb VALUES MAY BE LESS THAN 2,400 P.S.I. FOR BEAM SIZES GREATER THAN 12" TALL. VERIFY SPECS WITH MFR. MEMBERS WITH EQUAL OR GREATER DESIGN VALUES MAY BE SUBSTITUTED. MINIMUM (3) CRIPPLE STUDS AT EACH END UNLESS OTHERWISE NOTED ON PLAN
- ENERGY CONSERVATION- EXTERIOR WALLS R-13, ROOFS R-19, BASEMENT WALLS (FULL HEIGHT OF WALLS) R-10 CONTINUOUS/ R-13 CAVITY, FLOORS (OVER UNCONDITIONED SPACE) R-30, SLAB EDGE (TOP OF SLAB, DOWN 24") R-10, GLAZING U=0.32 MAX. THERMOSTAT IS TO BE PROGRAMMABLE.
- CONTRACTOR TO PROVIDE AN APPROVED MECHANICAL VENTILATION SYSTEM CAPABLE OF PRODUCING 0.35 AIR CHANGES PER HOUR IN EACH HABITABLE ROOM WITHOUT OUTDOOR VENTILATION OR PROVIDE A WHOLE HOUSE VENTILATION SYSTEM CAPABLE OF SUPPLYING OUTDOOR VENTILATION AIR OF 15 CUBIC FEET PER MINUTE (CFM) (1.08L/S) PER OCCUPANT COMPUTED ON THE BASIS OF TWO OCCUPANTS FOR THE FIRST BEDROOM AND ONE OCCUPANT FOR EACH ADDITIONAL BEDROOM. CONTRACTOR WILL PROVIDE AN APPROVED ELECTRICAL SYSTEM CAPABLE OF PROVIDING ARTIFICIAL LIGHT TO PRODUCE AN AVERAGE ILLUMINATION OF 4 FOOTCANDLES (44 LUX) AT A HEIGHT OF 30 INCHES (762MM) ABOVE THE FLOOR LEVEL OVER THE AREA OF EACH HABITABLE ROOM WITH GLAZED AREAS LESS THAN 8% OF THE HABITABLE ROOM'S FLOOR AREA.
- DRYER EXHAUST TO BE INDEPENDENT OF ALL OTHER SYSTEMS, SHALL CONVEY MOISTURE TO THE OUTDOORS AND TERMINATE TO THE EXTERIOR OF THE BUILDING. EXHAUST DUCTS TO BE INSTALLED PER DRYER MANUFACTURERS SPECIFICATIONS. DUCTS SHALL BE EQUIPPED WITH BACK DRAFT DAMPER AND CONSTRUCTED OF MIN. 0.014" THICK RIGID METAL DUCT HAVING SMOOTH INTERIOR SURFACE WITH JOISTS RUNNING IN DIRECTION OF AIR FLOW. FLEXIBLE DUCT TO BE LIMITED TO SINGLE LENGTHS, NOT TO EXCEED 8 FT. DIAMETER OF THE EXHAUST DUCT SHALL BE AS REQUIRED BY THE DRYER MANUFACTURER SPECIFICATIONS. THE MAXIMUM LENGTH OF DRYER EXHAUST DUCT SHALL NOT EXCEED 25 FT. FROM DRYER TO THE ROOF/WALL TERMINATION. MAX LENGTH SHALL BE REDUCED 25 FT. FOR EACH 45 BEND AD 5 FT. FOR EACH 90 BEND. (NOT INCLUDING THE TRANSITION DUCT). WHERE THE EXHAUST MUST EXCEED 25 FT. IN LENGTH, A LISTED AND LABELED CLOTHES DRYER BOOSTER FAN SHALL BE INSTALLED.
- ALL BATHTUB AND SHOWER FLOORS AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS SHALL BE FINISHED WITH A NONABSORBANT, IMPERVIOUS SURFACE. SUCH SURFACES SHALL EXTEND TO A HEIGHT NOT LESS THAN 4 FEET ABOVE THE FLOOR, WHERE THE DESIGN CALLS FOR A CUSTOM SIZE OR SHAPE OF SHOWER TO BE INSTALLED, UNLESS OTHERWISE NOTED, A MORTAR PAN SHALL BE INSTALLED OVER A 40 MIL PVC PAN LINER. PAN LINER TO EXTEND UP THE SIDE WALL A MIN. OF 6" AND SHALL BE INSTALLED WITH APPROVED SHOWER PAN LINER ADHESIVE. MUD PAN SHALL BE SLOPED TO DRAIN.

XXX25023.DWG

REVISIONS		CHK'D BY
Date	Description	
4/16/25	PERMIT SET SEALED	



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Randall Plikerd, R.A.
 Lic. # 8557
 Exp. 12-31-2025

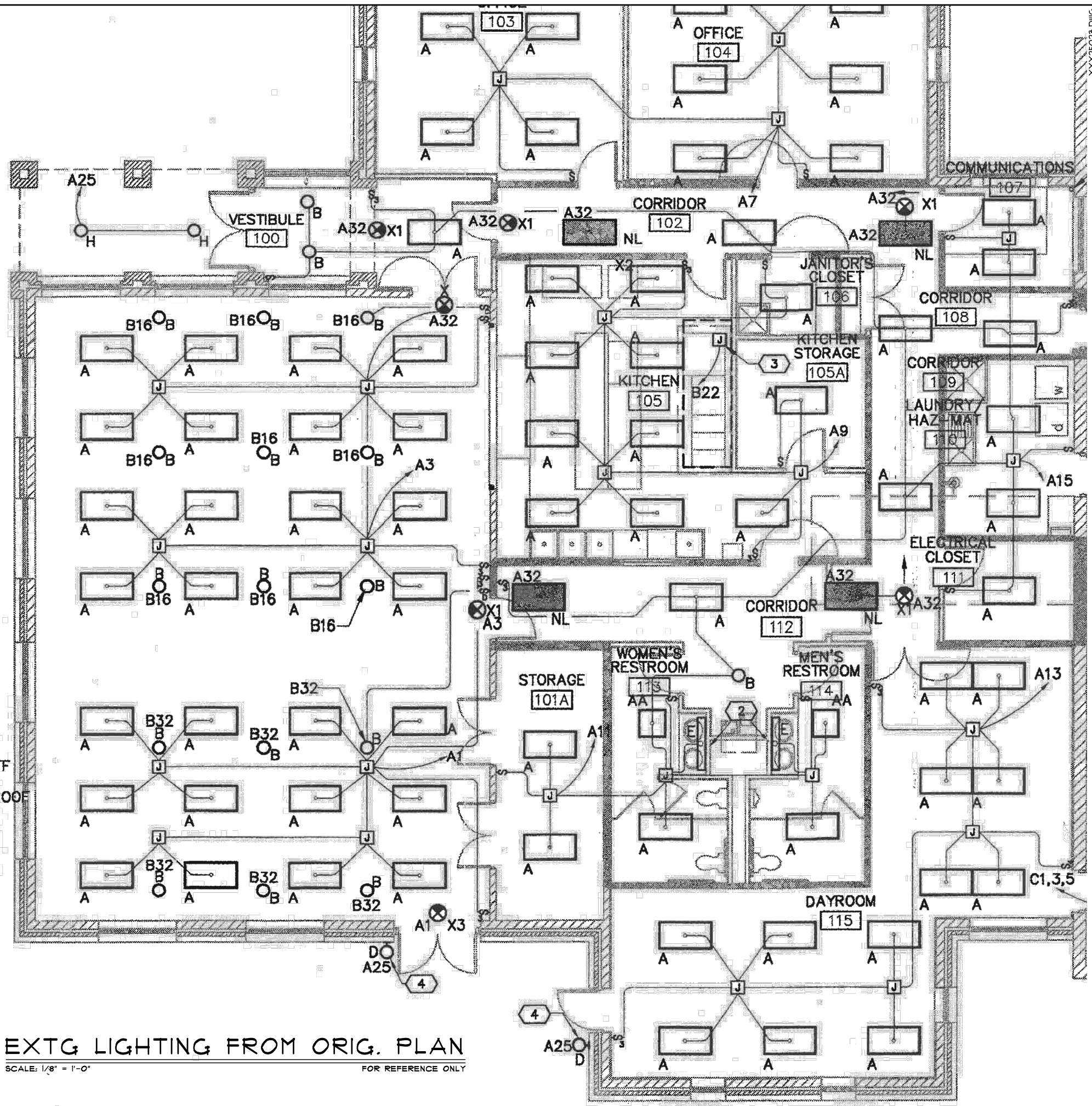
PROPOSED PROJECT:
HARLAN TWP. FIRE STATION ALTERATIONS
 9120 MORROW ROSSBURG RD.
 PLEASANT PLAIN, OH
 WARREN COUNTY

PROJECT NO. XXX25023	DRAWN BY: WRS
DATE: 1/14/25	CHECKED BY:
SCALE: AS NOTED	APPROVED BY:
SHEET NO.	

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- ELECTRIC SYMBOL LEGEND**
- 2x4 FLUORESCENT RECESSED TROFFER
 - 2 LAMP FLUORESCENT STRIP FIXTURE
 - RECESSED DOWN LIGHT
 - EXTERIOR WALL MOUNTED FIXTURE
 - EXIT LIGHT
 - SINGLE POLE SWITCH
 - THREEWAY SWITCH
 - FRACTIONAL MOTOR STARTER
 - MANUAL MOTOR STARTER
 - 20A-3W CONVENIENCE RECEPTACLE
 - 20A-4W GROUND FAULT RECEPTACLE
 - 20A-4W GROUND FAULT RECEPTACLE +44" AFF
 - 20A-3W THREEWAY CONVENIENCE RECEPTACLE +44" AFF
 - 20A-4W GROUND FAULT RECEPTACLE - WEATHERPROOF
 - 20A-3W CEILING MOUNTED RECEPTACLE
 - 20A-3W CEILING MOUNTED RECEPTACLE
 - TELEPHONE OUTLET 2x4 BOX
 - TELEPHONE/DATA OUTLET 2x4 BOX
 - MOTOR CONNECTION
 - CABLE TV OUTLET

EXTG LIGHTING FROM ORIG. PLAN
 SCALE: 1/8" = 1'-0"
 FOR REFERENCE ONLY

Date	Description	Chk'd By
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STATE OF OHIO
 REGISTERED ARCHITECT
 RANDALL PILKERO
 Lic. # 8557
 Exp. 12-31-2025

PROPOSED PROJECT:
HARLAN TWP. FIRE STATION ALTERATIONS
 9120 MORROW ROSSBURG RD. PLEASANT PLAIN, OH
 WARREN COUNTY

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E1a

ELECTRICAL LEGEND

	WALL MOUNTED FIRE EXTINGUISHER
	EMERGENCY LIGHTING BATT. UNIT w/ EXIT LIGHT
	EMERGENCY LIGHTING BATTERY UNIT
	EXIT LIGHT - WALL, CEILING MOUNTED (NORMAL & EMERGENCY)
	EXIT SIGN
	EXHAUST FAN
	WALL MOUNTED EXTERIOR FIXTURE
	SWITCH - SINGLE POLE
	SWITCH - THREE WAY
	SWITCH - FOUR WAY
	SWITCH - DIMMER
	FLUORESCENT RECESSED 2'x4' LIGHT FIXTURE
	FLUORESCENT RECESSED 2'x4' LIGHT FIXTURE - NIGHT LIGHT
	FLUORESCENT RECESSED 2'x2' LIGHT FIXTURE
	RECESSED LIGHT FIXTURE - COMPACT FLUORESCENT "CAPRI" LOW IRIDESCENT REF. - H54 OR EQUAL
	CABLE TELEVISION OUTLET
	DUPLEX CONVENIENCE RECEPTACLE 1/8" A.F.F. VISUAL SAFETY REQUIRED
	DUPLEX CONVENIENCE RECEPTACLE DEDICATED
	GROUND FAULT CIRCUIT INTERRUPT DUPLEX RECEPTACLE
	DUPLEX CONVENIENCE RECEPTACLE VISUAL SAFETY REQUIRED
	DUPLEX CONVENIENCE RECEPTACLE WEATHER PROOF
	FLOOR RECEPTACLE

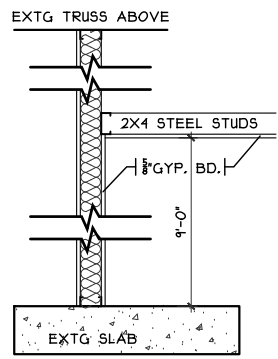
LIGHTING SCHED. NOTES

- BRANCH CIRCUITS TO EMERGENCY BATTERY UNITS SHALL BE WIRED PER NATIONAL ELECTRIC CODE-LATEST EDITION.
- ALL BATTERY UNITS SHALL BE STATE APPROVED.
- BATTERY UNITS SHALL HAVE THE CAPACITY TO HANDLE ALL REMOTE HEADS CONNECTED TO THE BATTERY UNIT.
- LIGHTING FIXTURES SHALL BE SUPPLIED WITH MIZER II LAMPS AND BALLASTS.
- DOUBLE SWITCHED LIGHT FIXTURES SHALL BE INSTALLED WITH ONE SWITCH TO CONTROL THE INNER LAMPS IN EACH OF THE FIXTURES AND THE OTHER SWITCH SHALL CONTROL THE OUTER LAMPS.
- ELECTRICAL SUB-CONTRACTOR SHALL FURNISH AND INSTALL EXHAUST FANS, NECESSARY DUCTWORK, ROOF CAPS, SUPPORT STRAPS AND ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.

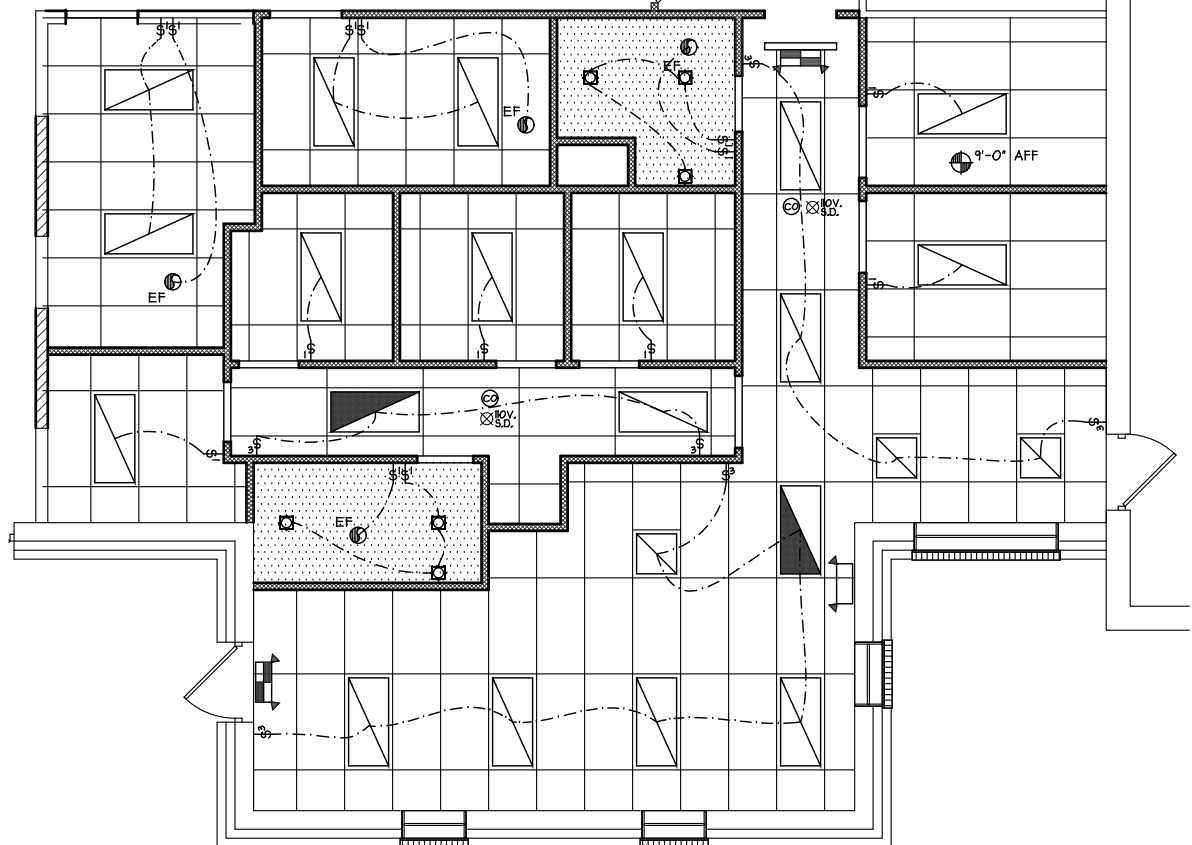
ELECTRICAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL HVAC EQUIPMENT (HVAC AND EXHAUST) WITH GENERAL CONTRACTOR, PRIOR TO THE START OF CONSTRUCTION.
- ANY REFERENCE TO ELECTRICAL, PLUMBING, AND HVAC CONTRACTORS, NOTED ON THESE DRAWINGS OR STATED IN THE SPECIFICATIONS SHALL NOT BE MISCONTRUED AS AN INTENTION TO DEFINE SEPERATE CONTRACTORS FOR THE RESPECTIVE WORK. THE GENERAL CONTRACTOR SHALL COORDINATE AND PROVIDE A COMPLETE BUILDING WITH COMPLETE MECHANICAL, AND ELECTRICAL SYSTEMS, REGARDLESS OF ANY SPECIFICATION REFERENCES TO OTHER CONTRACTORS

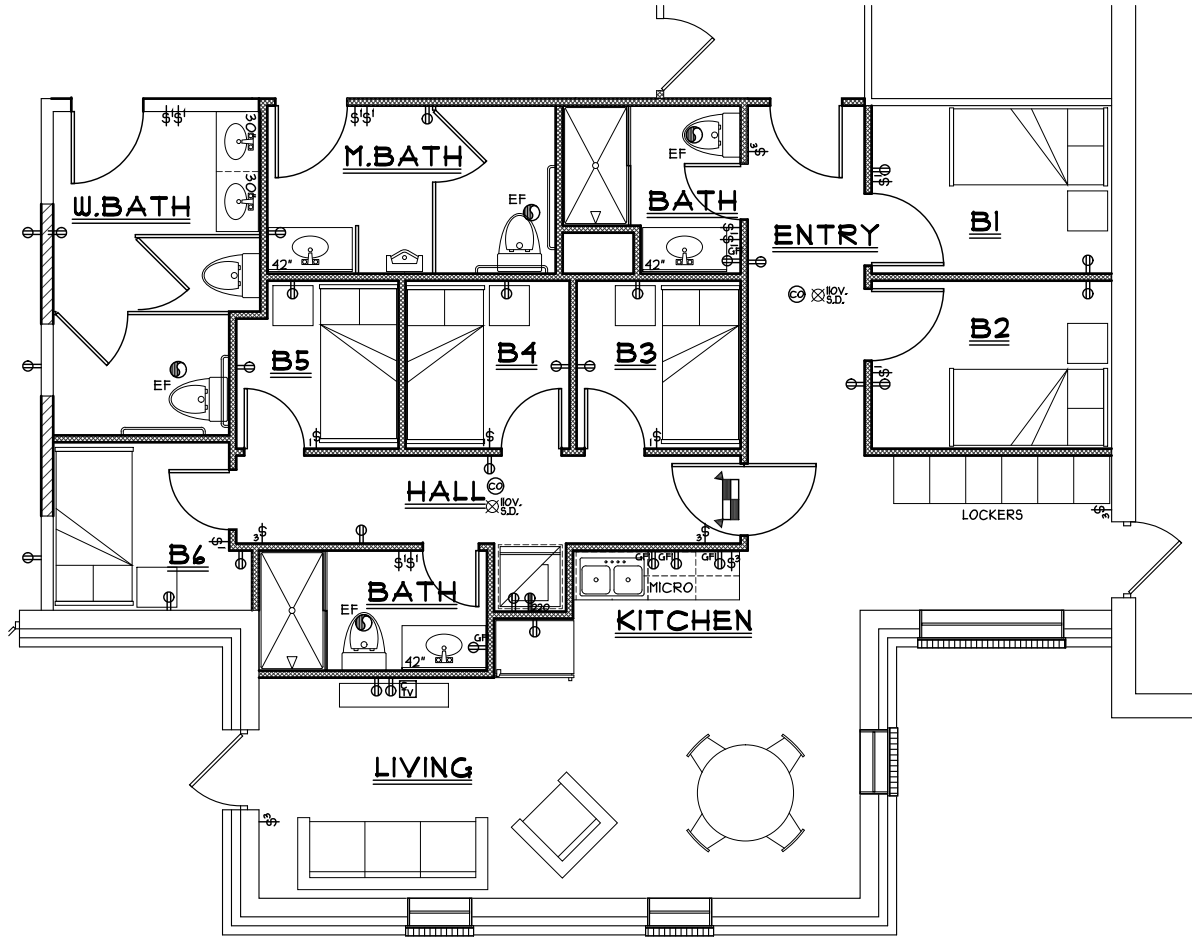
NOTE:
THIS PLAN IS FOR ARCHITECTURAL LAYOUT PURPOSES ONLY. IT IS NOT AN ENGINEERED DRAWING. STAMPED ENGINEERED MECHANICAL OR ELECTRICAL DRAWINGS SHALL SUPERCEDE ANY REFERENCES TO MECHANICAL OR ELECTRICAL ITEMS ON THIS SHEET.



PRIVATE BATH CEILING DETAIL
SCALE: 3/8" = 1'-0"



REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



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

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4/16/25	1	PERMIT SET SEALED	

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STATE OF OHIO
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E1b

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