

ROCKDALE COUNTY BOARD OF COMMISSIONERS

FIRE STATION #5 RENOVATION

2100 WEST HIGHTOWER TRAIL
 CONYERS, GA 30012

issue date/revisions

architect's seal

project name
FIRE STATION #5
 2100 W HIGHTOWER TRAIL
 CONYERS, GA 30012

sheet title
COVER SHEET

drawn by
 MJAI
 checked by

 project no.

 date
 10/16/2023

CVR
 sheet no.

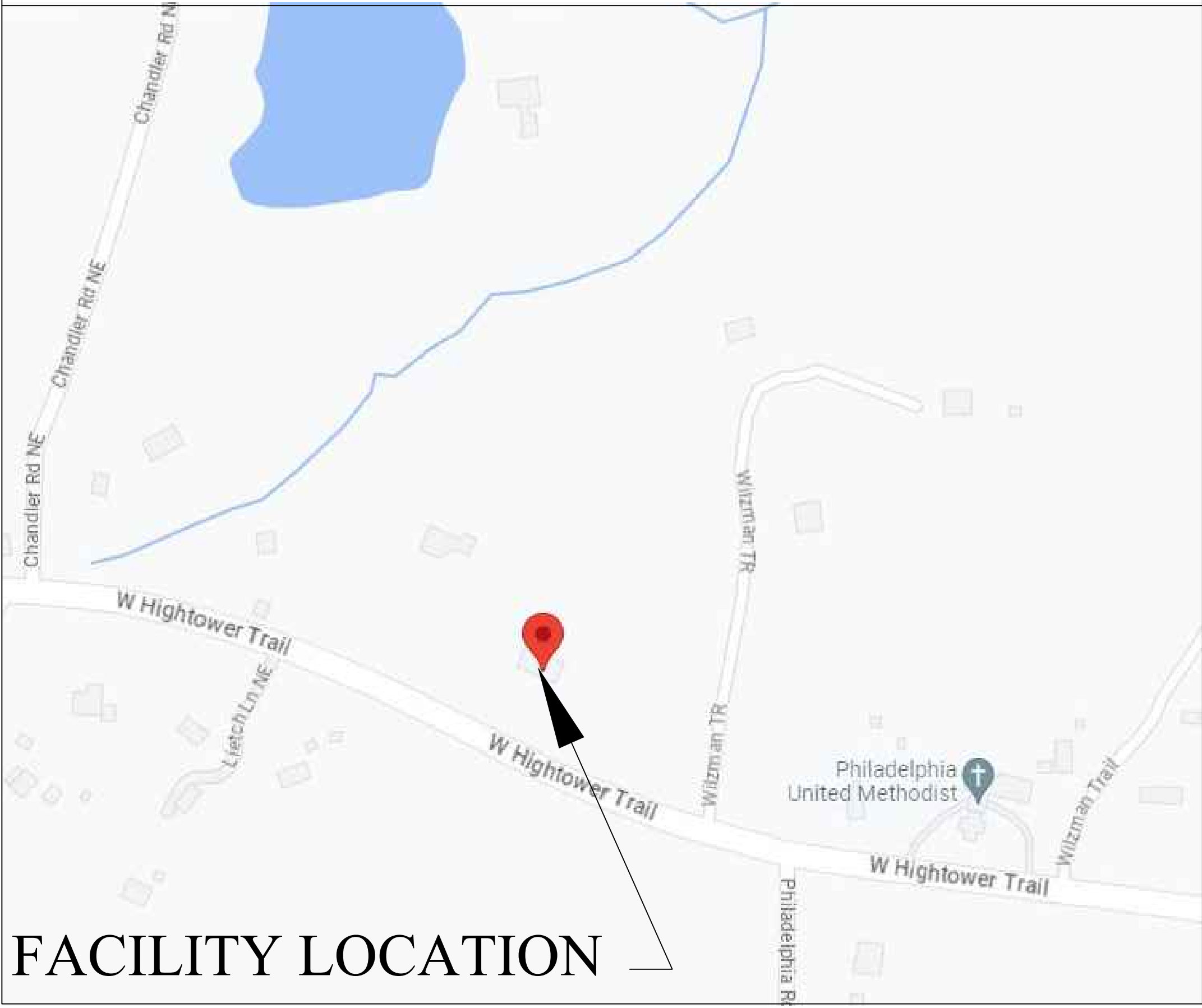
PROJECT INFORMATION

SCOPE OF WORK = INTERIOR REBOVATION & ADDITION
 OCCUPANCY CLASSIFICATION = MIXED
 TYPE OF CONSTRUCTION IN SCOPE OF WORK = VB
 SPRINKLED = NO
 TOTAL BUILDING AREA = 2,034 SF HEATED, 1920 UNHEATED
 NUMBER OF STORIES = 1
 OCCUPANT LOAD = 20

CODE REFERENCE

THE GEORGIA STATE MINIMUM STANDARD CODES:
 - INTERNATIONAL BUILDING CODE, 2018 EDITION WITH 2020, 2022, & 2023 GEORGIA AMENDMENTS
 - INTERNATIONAL MECHANICAL CODE, 2018 EDITION WITH 2020 GEORGIA AMENDMENTS
 - INTERNATIONAL PLUMBING CODE, 2018 EDITION WITH 2020, 2022 & 2023 GEORGIA AMENDMENTS
 - INTERNATIONAL FUEL GAS CODE, 2018 EDITION WITH 2020 & 2022 GEORGIA AMENDMENTS
 - NFPA NATIONAL ELECTRIC CODE, 2020 EDITION
 - INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION WITH 2020, 2022 & 2023 GEORGIA AMENDMENTS
 NFPA 101 LIFE SAFETY CODE 2020 EDITION
 INTERNATIONAL FIRE CODE 2020 EDITION
 OCGA TITLES 25 AND 30 GEORGIA ACCESSIBILITY CODE/2010 ADA STANDARDS

PROJECT LOCATION



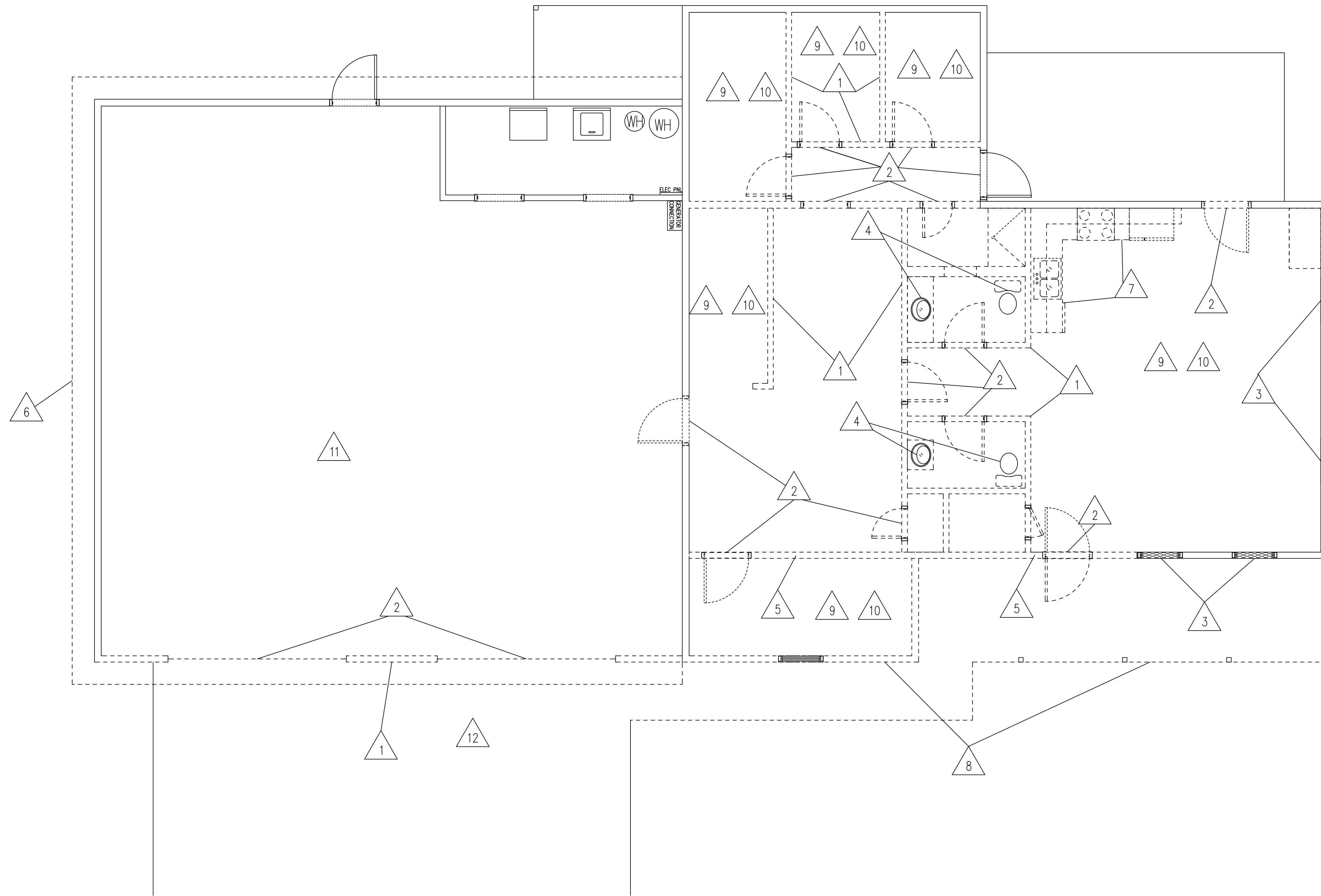
FACILITY LOCATION

SHEET INDEX

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| A0.2 - DEMOLITION PLAN | A6.1 - SCHEDULES |
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GENERAL NOTE:

- REMOVE AND DISPOSE OF ALL REMAINING CONTENTS AS PART OF DEMOLITION INCLUDING HOSE RACKS, LOCKERS, APPLIANCES, AND ALL OTHER ITEMS NOT MARKED FOR REUSE IN NEW PLAN
- REMOVE EXISTING SOLAR WATER HEATER AND EXPANSION TANK

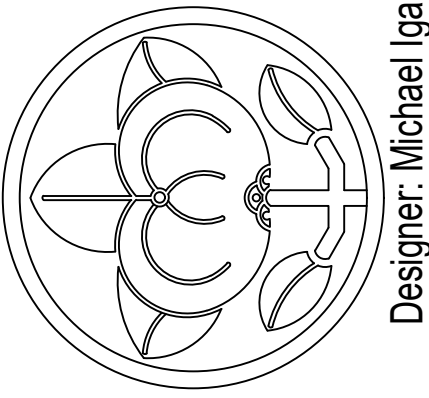


DEMOLITION NOTES:

1. REMOVE WALL, PATCH CONNECTION
2. REMOVE DOOR & FRAME
3. REMOVE WINDOW
4. REMOVE PLUMBING FIXTURE. CAP LINES BELOW FLOOR UNLESS TIED IN PER PLUMBING PLAN.
5. PROVIDE HEADER BEAM, REMOVE WALL BELOW, BRACE W/ 2X COLUMN AS SHOWN
6. REMOVE ROOF AND FRAMING ABOVE VEHICLE BAY IN ENTIRETY, BRACE EXISTING WALLS AS NEEDED
7. REMOVE CABINETS AND COUNTERTOPS, CAP PLUMBING IN WALL
8. REMOVE WALL AND PORCH BACK TO NEW BUILDING LINE, BRACE AS NEEDED
9. REMOVE DRYWALL FROM CEILING
10. REMOVE FLOOR COVERING
11. REMOVE NEDERMAN EXHAUST SYSTEM AND DISCARD
12. REMOVE 4 BOLLARDS AT FRONT OF BAY DOORS

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

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issue date/revisions
A-4/18/24-MI- Added Notes
11 & 12

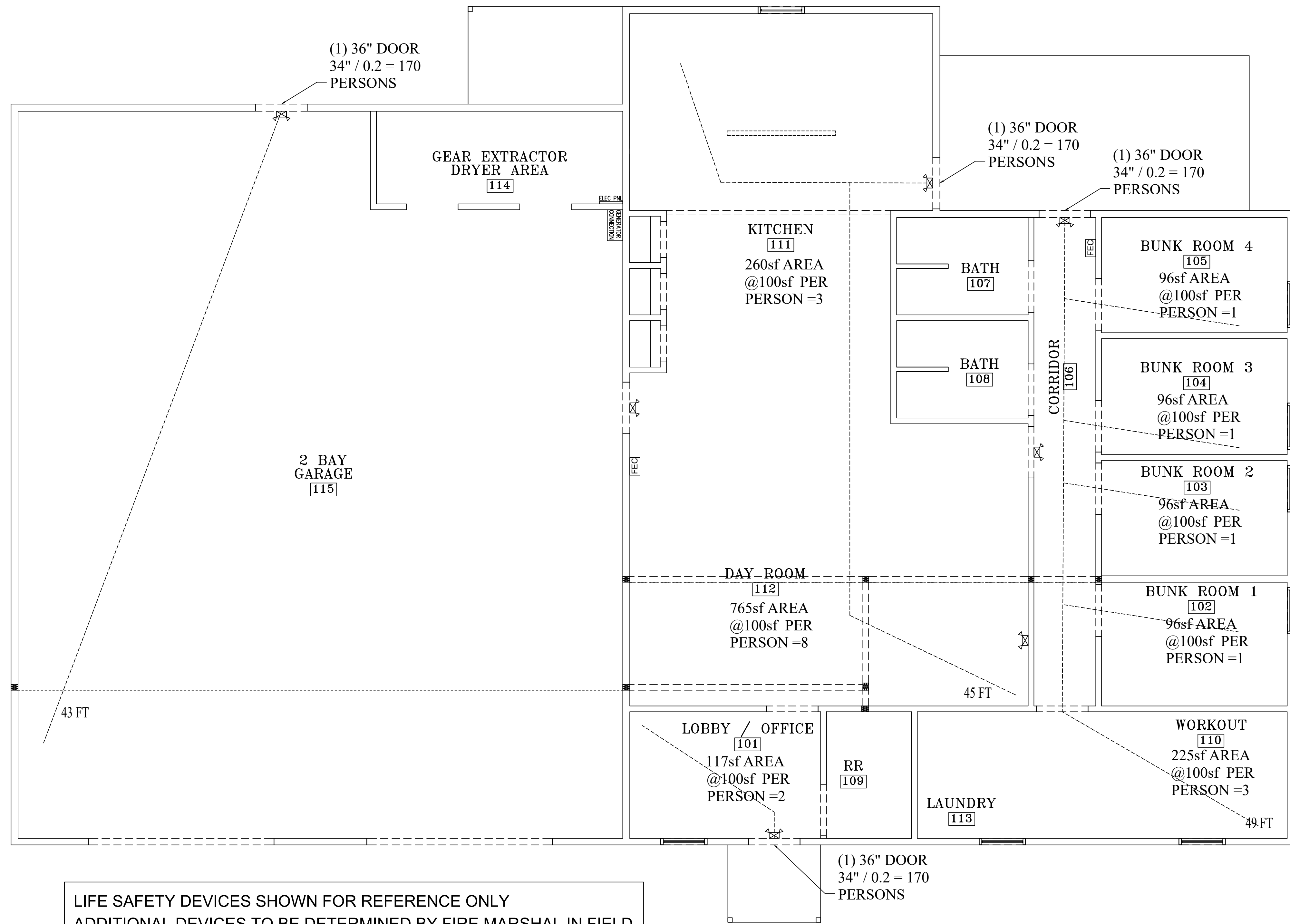
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2100 W HIGHTOWER TRAIL
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DEMOLITION PLAN

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A0.2
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LIFE SAFETY DEVICES SHOWN FOR REFERENCE ONLY
ADDITIONAL DEVICES TO BE DETERMINED BY FIRE MARSHAL IN FIELD

LIFE SAFETY CALCULATIONS	
LOCATION	QTY
KITCHEN	3
DAY ROOM	8
OFFICE	2
WORKOUT	3
BUNK ROOM 1	1
BUNK ROOM 2	1
BUNK ROOM 3	1
BUNK ROOM 4	1
MAX OCCUPANCY	20
EGRESS WIDTH PROVIDED	
(3) 36" DOORS	
3 X 34" = 102" / 0.2 = 510 PERSONS	
MAX OCCUPANCY = 20 IS LESS THAN 510 PERSONS	
TRAVEL DISTANCE	
UNSPRINKLED OCCUPANCY FOR STORAGE = 100 FT MAX	
LONGEST TRAVEL DISTANCE = 49 FT	
MAX TRAVEL = 49 FT IS LESS THAN 100 FT	

LEGEND	
	EMERGENCY FLOOD LIGHT FIXTURE
	EMERGENCY EXIT/FLOOD LIGHT COMBINATION FIXTURE
	EMERGENCY EXIT FIXTURE
	FIRE EXTINGUISHER CABINET

1 LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"

issue date/revisions

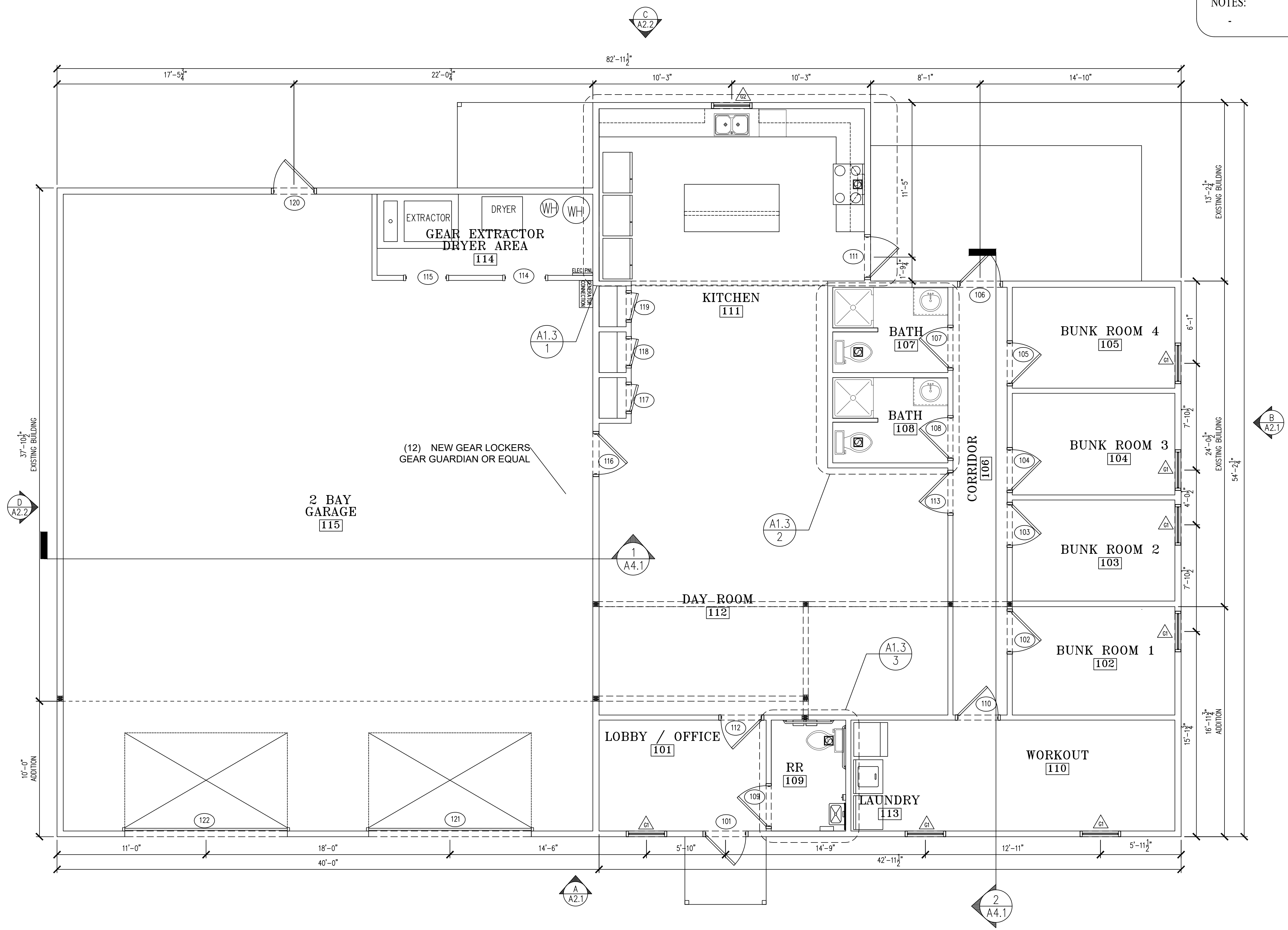
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LIFE SAFETY PLAN

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BUILDING CALCULATIONS		
AREA	UNHEATED	HEATED
LIVING AREA	0	2034
VEHICLE BAY	1920	0
TOTAL	3954	2034
NOTES:		
-		



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

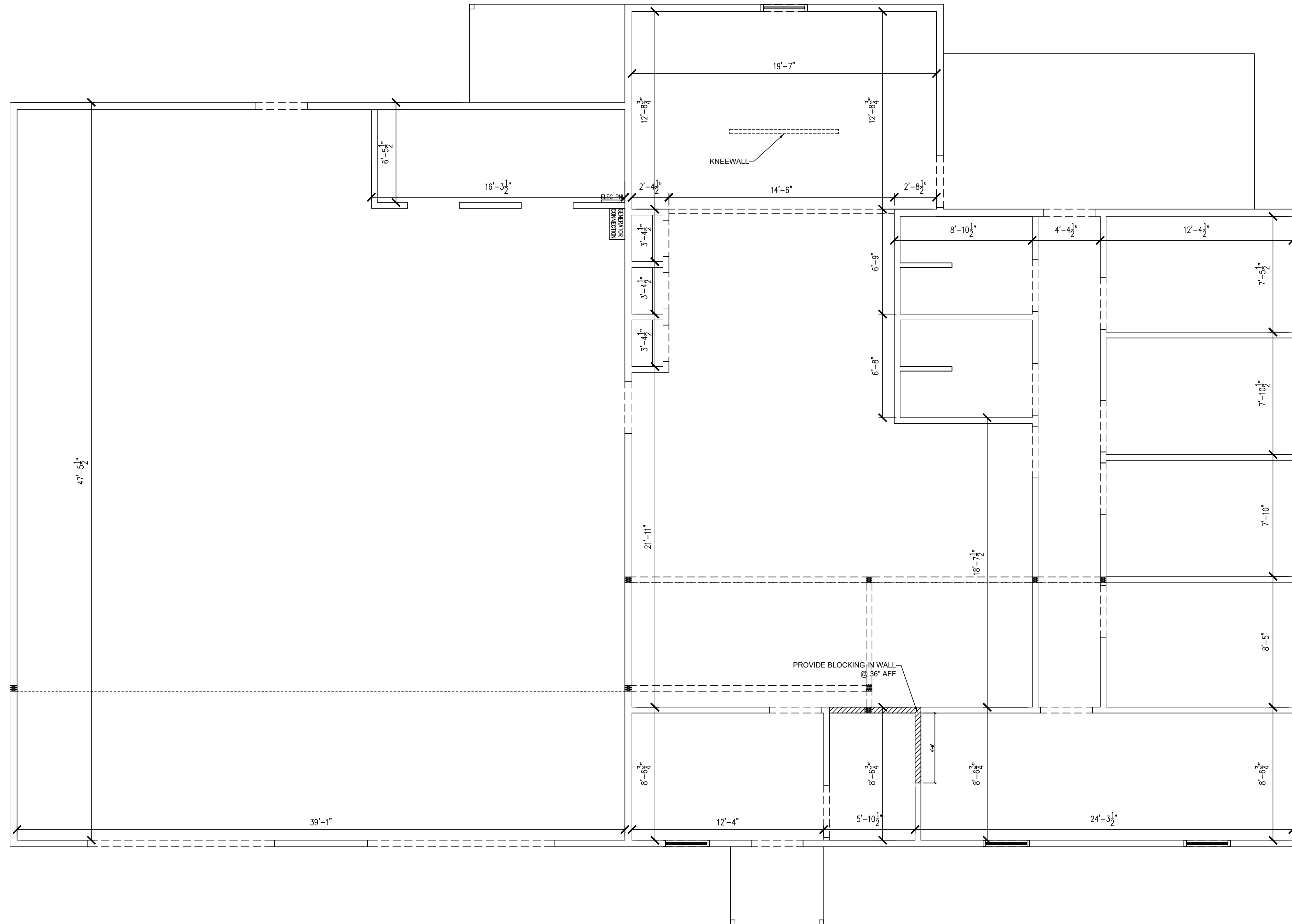
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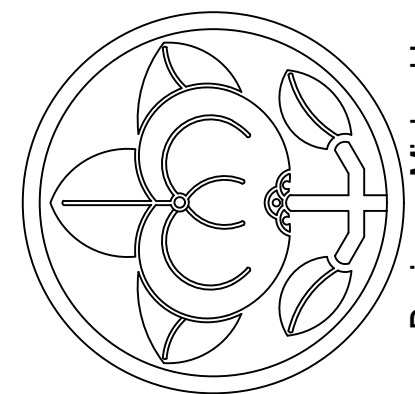
sheet title
FLOOR PLAN
NOTES

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project no. ---	
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1 WALL LAYOUT
SCALE: 1/4" = 1'-0"

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FLOOR PLAN
DIMENSIONED

drawn by

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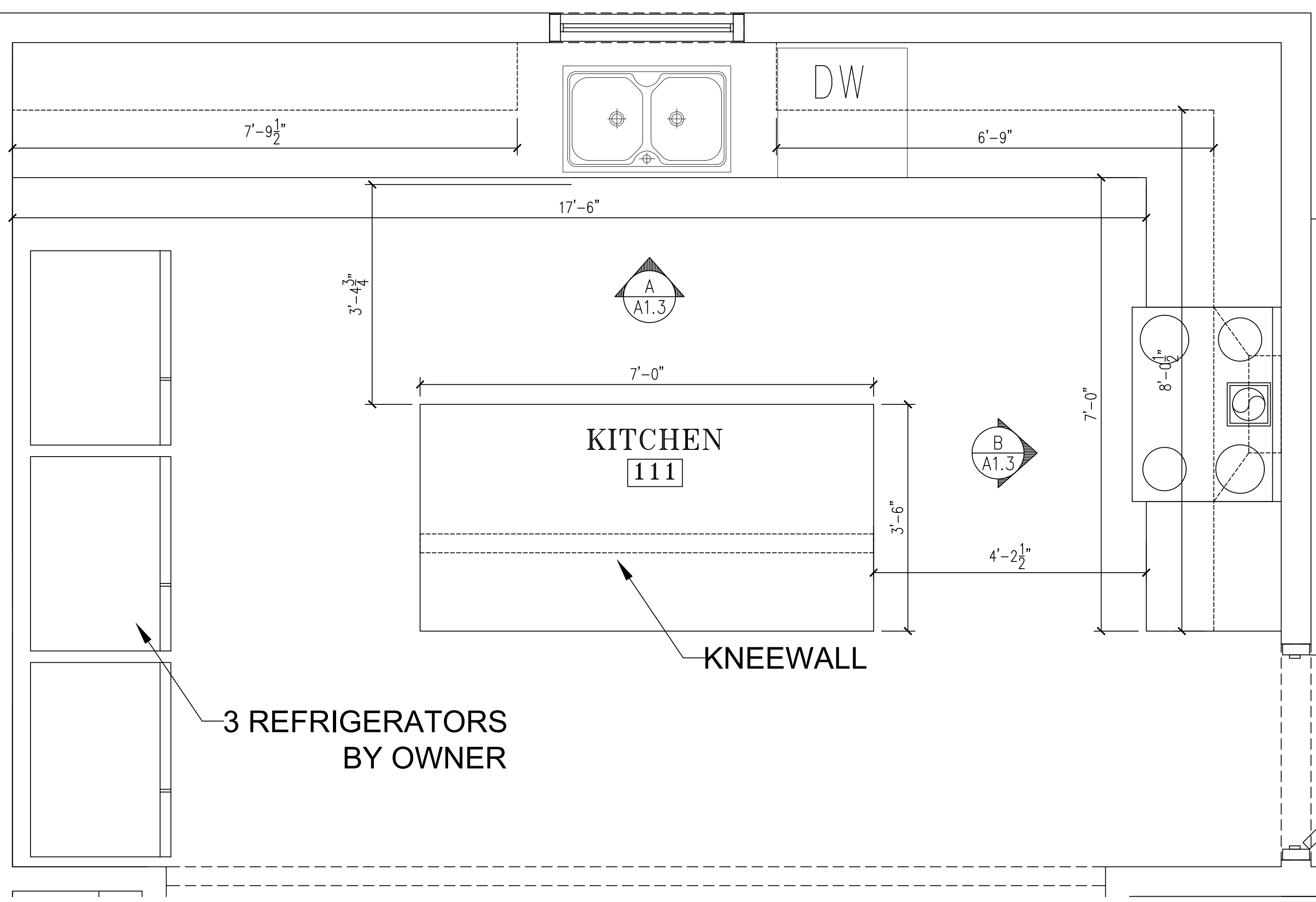
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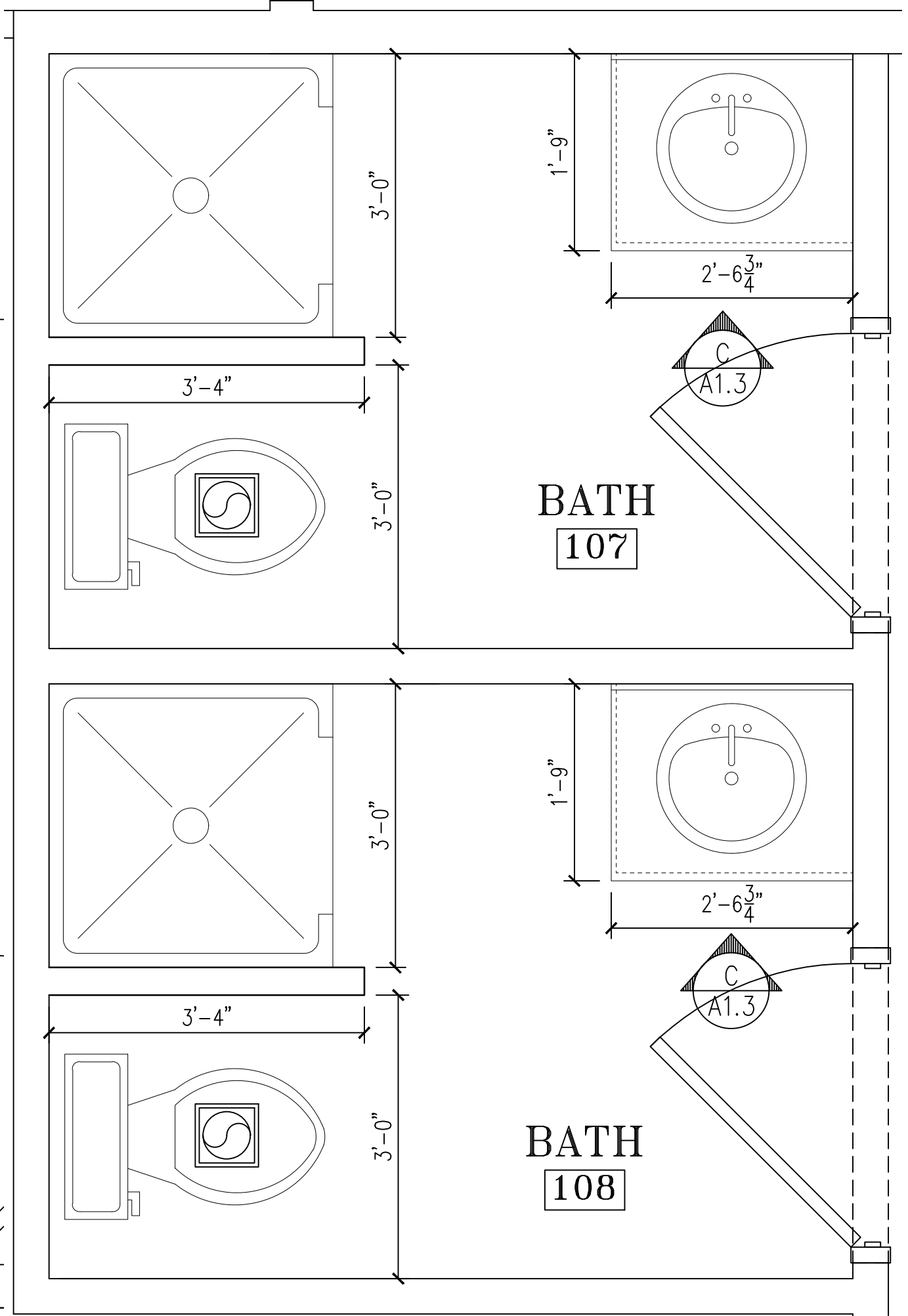
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A1.2

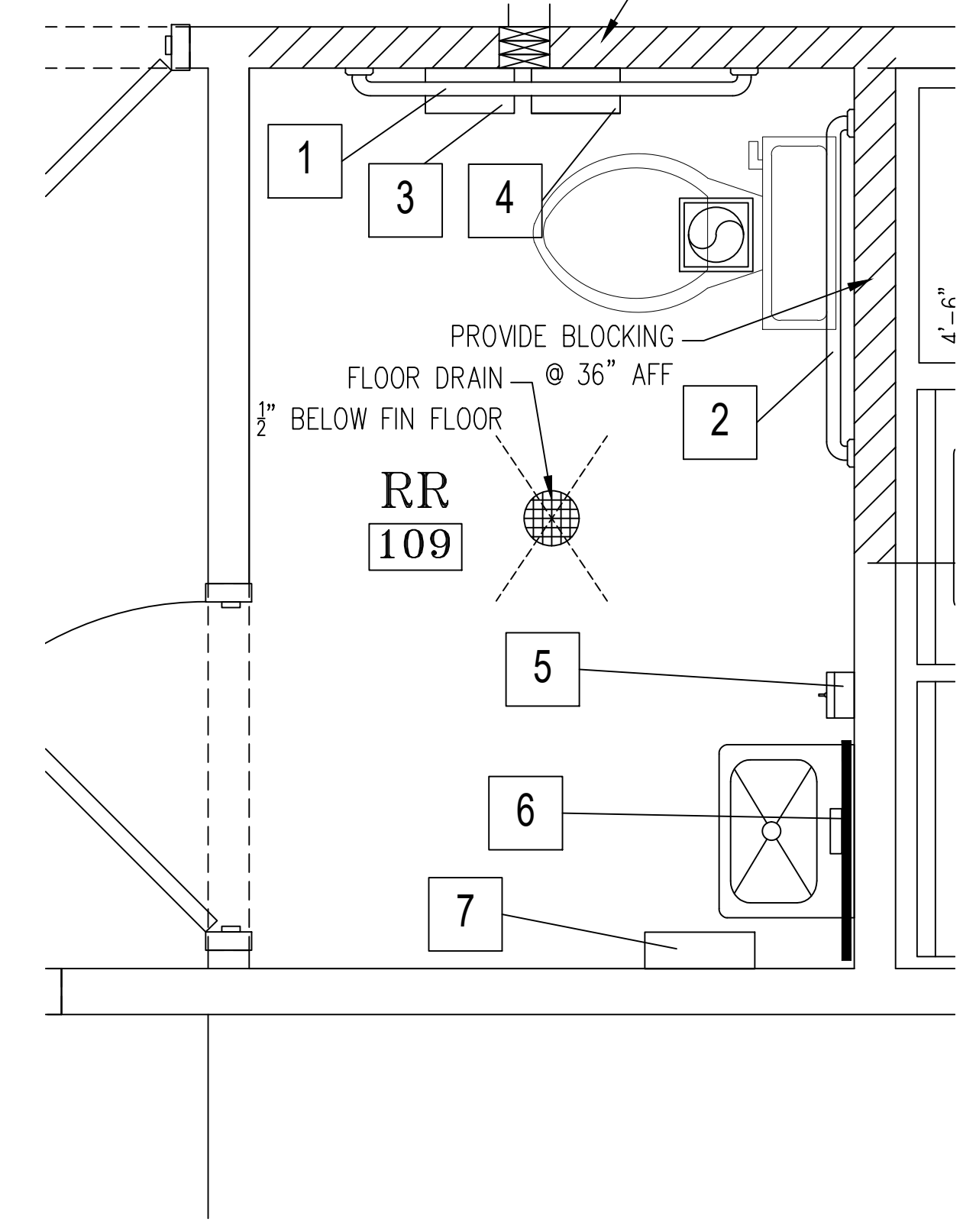
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1 ENLARGED FLOORPLAN
SCALE: 3/4" = 1'-0"



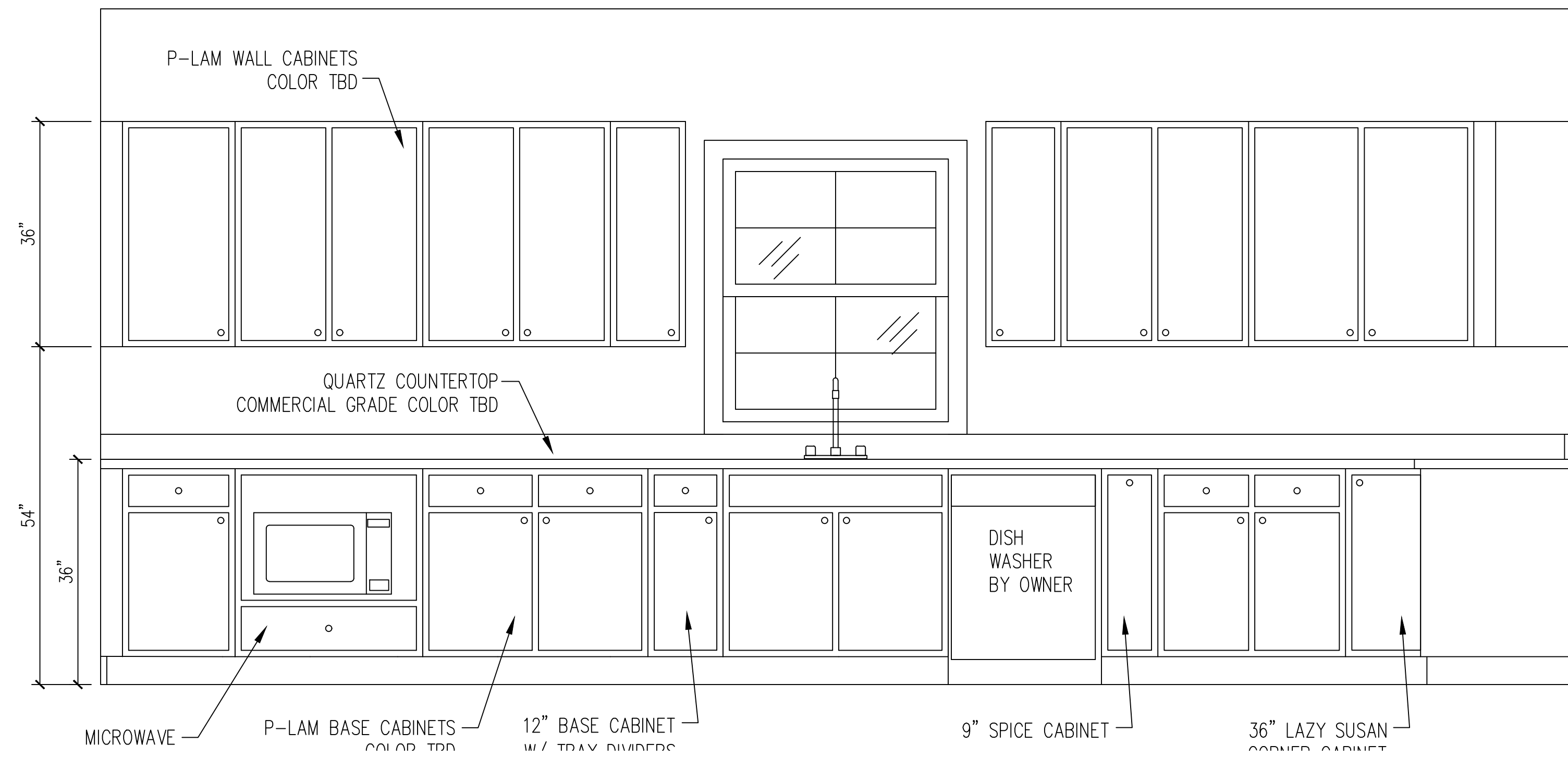
2 ENLARGED FLOORPLAN
SCALE: 3/4" = 1'-0"



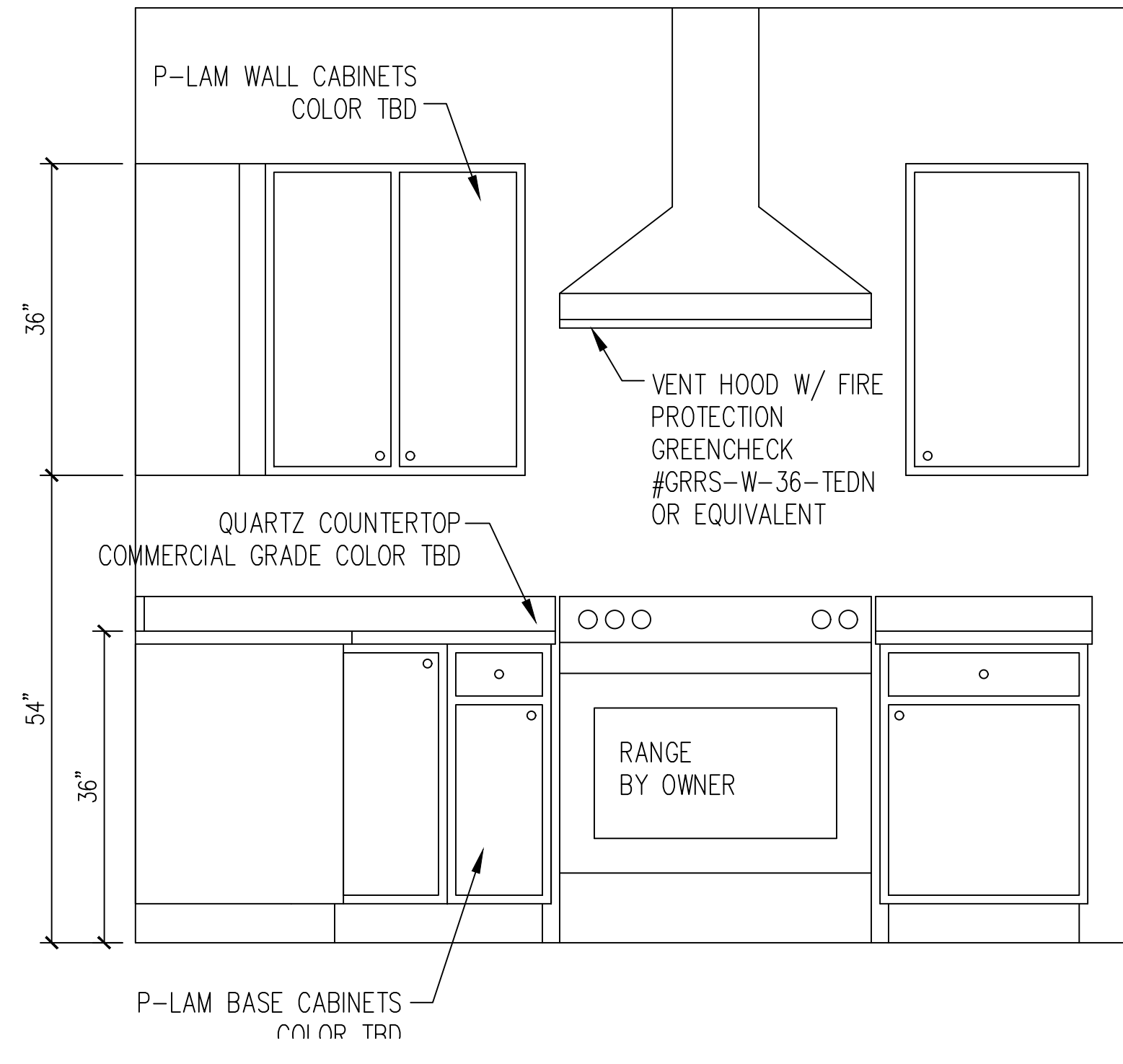
3 ENLARGED FLOORPLAN
SCALE: 3/4" = 1'-0"

RESTROOM ACCESSORIES				
MARK	DESCRIPTION	MANUF	MODEL	REMARKS
1	42" GRAB BAR	BOBRICK	-	-
2	36" GRAB BAR	BOBRICK	-	-
3	TOILET TISSUE DISPENSER	BOBRICK	-	-
4	SANITARY NAPKIN RECEPTICLE	BOBRICK	-	-
5	SOAP DISPENSER	BOBRICK	-	-
6	MIRROR	BOBRICK	-	-
7	ELECTRIC HAND DRYER	XCELERATOR	XL-BW	-

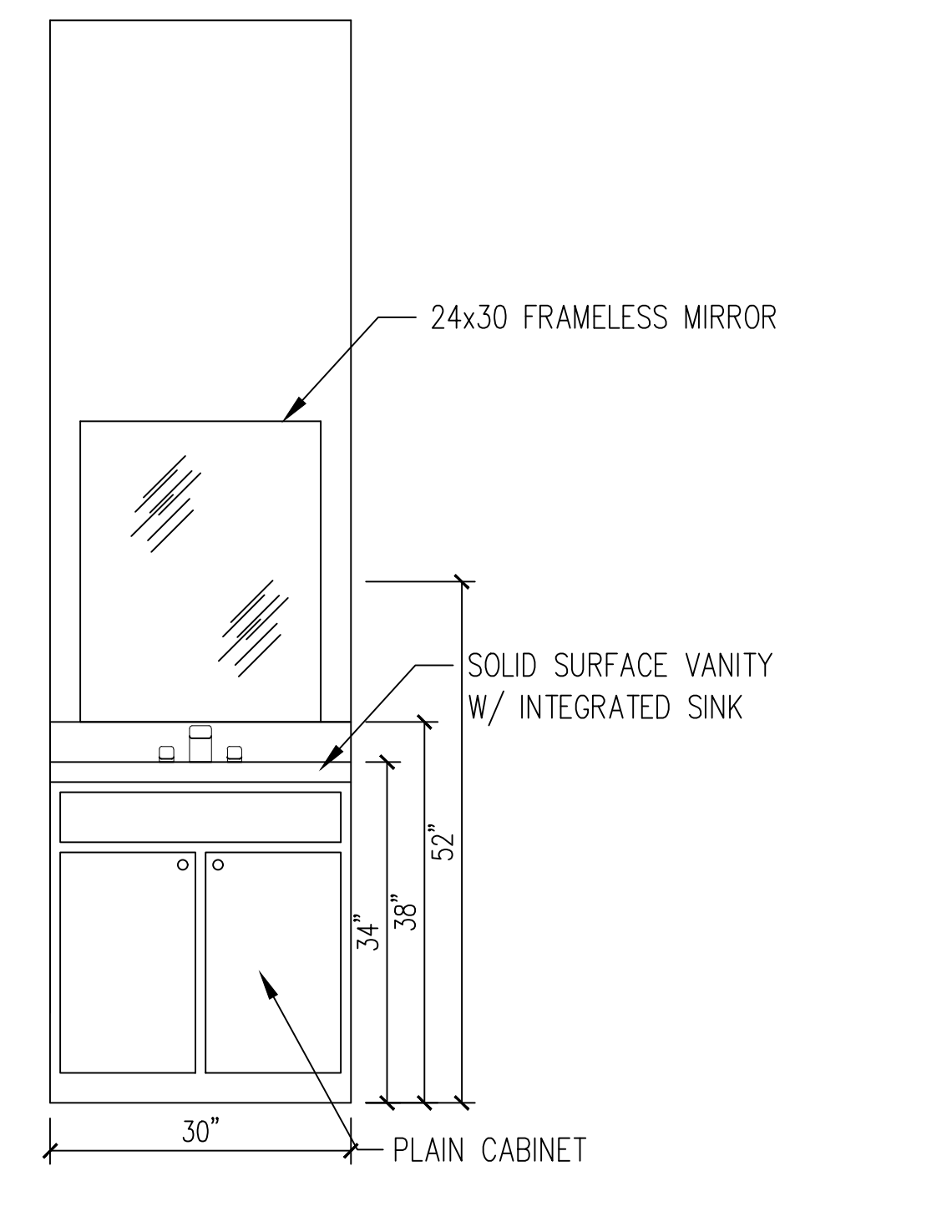
NOTES:
1. SEE ADA SHEET FOR MOUNTING HEIGHTS



A INTERIOR ELEVATION
SCALE: 3/4" = 1'-0"



B INTERIOR ELEVATION
SCALE: 3/4" = 1'-0"



C INTERIOR ELEVATION
SCALE: 3/4" = 1'-0"

issue date/revisions
A-4/18/24-MI-Changed Range & Hood from 30" to 36" Added Hood Specs.

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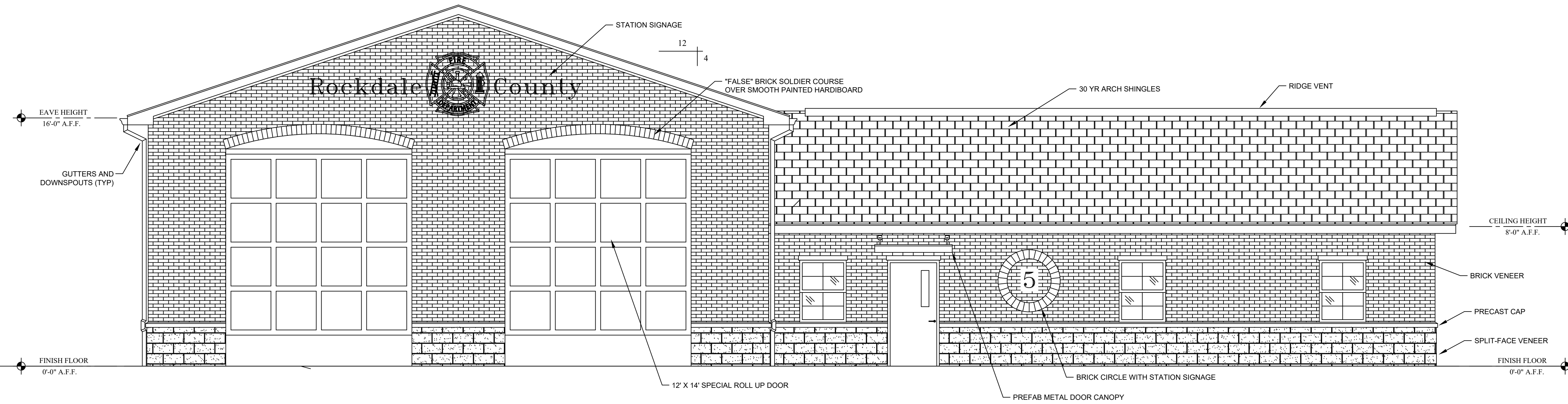
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sheet title
ENLARGED FLOOR PLAN

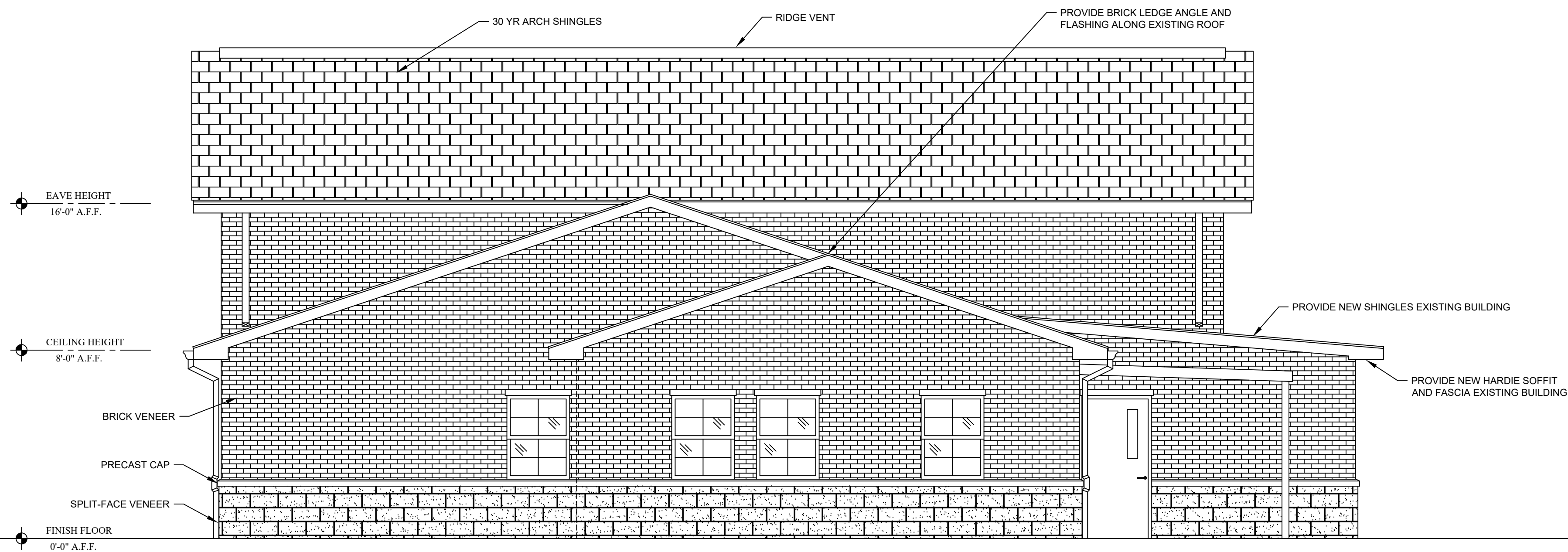
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date
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A1.3

sheet no.



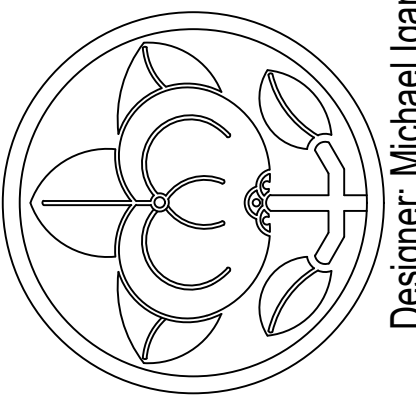
A FRONT ELEVATION
SCALE: 1/4" = 1'-0"



B RIGHT ELEVATION
SCALE: 1/4" = 1'-0"

1 EXISTING FLOOR PLAN
SCALE: 1/4" = 1'-0"

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sheet title

EXTERIOR ELEVATIONS
PROPOSED DESIGN

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date

10/16/2023

A2.1

sheet no.

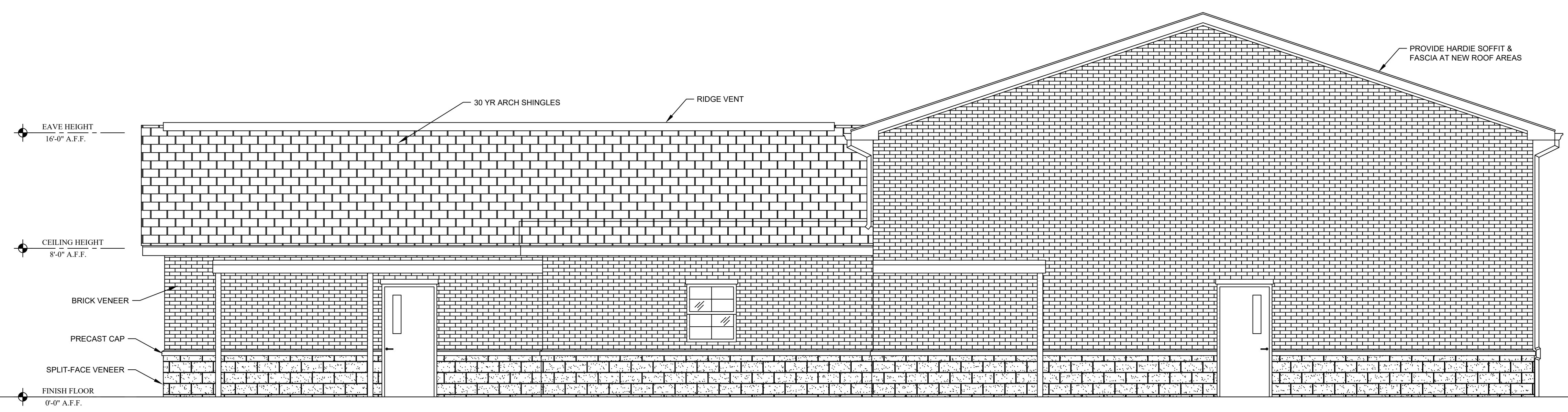
issue date/revisions

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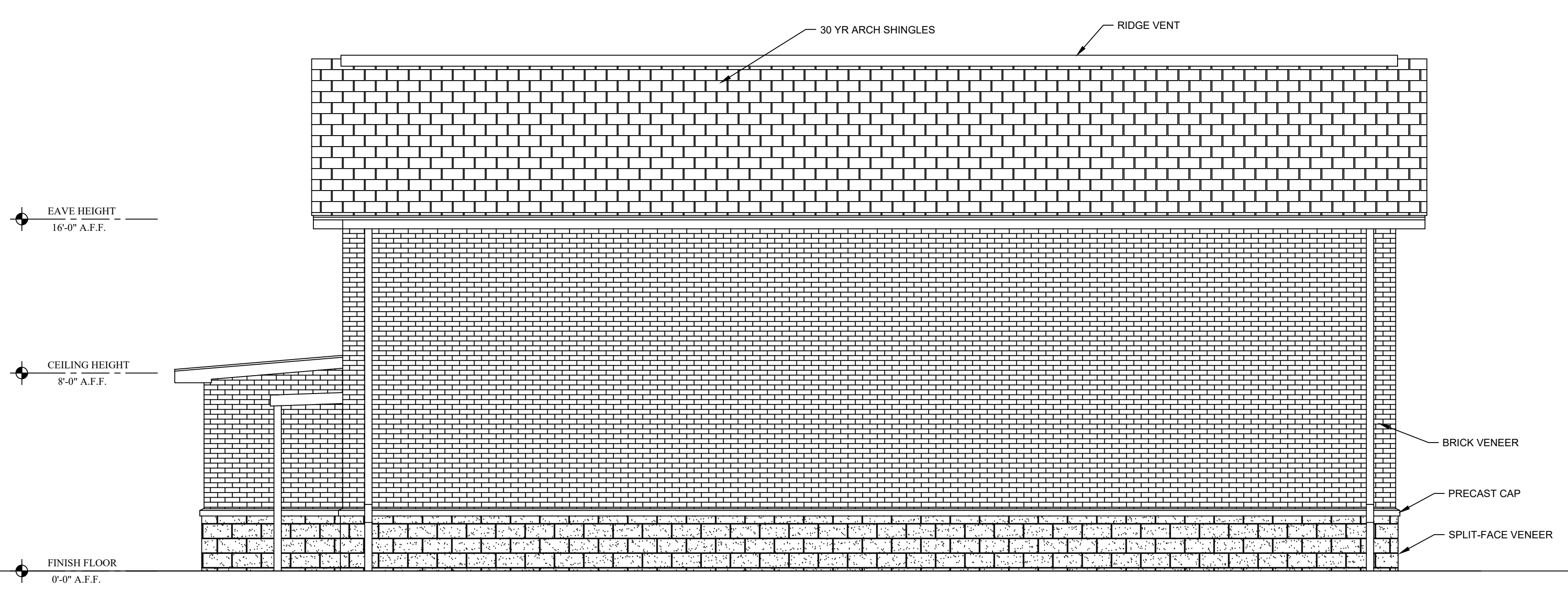
project name
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sheet title
EXTERIOR ELEVATIONS
PROPOSED DESIGN

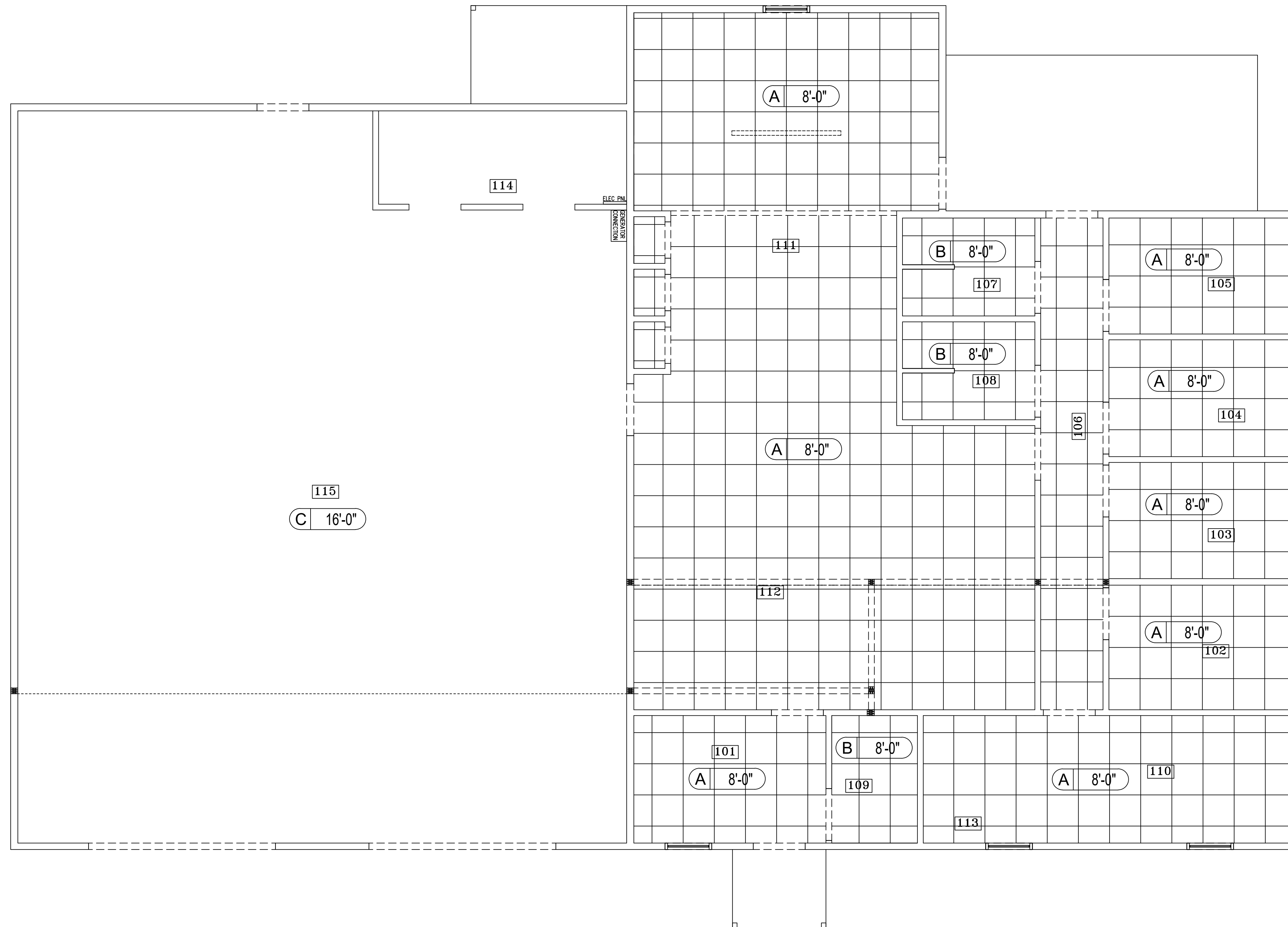
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C REAR ELEVATION
SCALE: 1/4" = 1'-0"



D LEFT ELEVATION
SCALE: 1/4" = 1'-0"

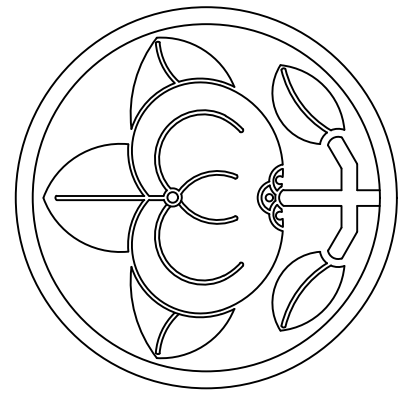


CEILING LEGEND:			
MARK	DESCRIPTION	MANUF	MODEL
(A)	24"X24"X5/8" LAY-IN - 15/16"	ARMSTRONG	-
(B)	24"X24"X5/8" LAY-IN - 15/16" - WET LOCATIONS	ARMSTRONG	-
(C)	LINER PANELS	-	-

NOTES:
1. CEILING TILE SHALL BE AS NOTED OR AN APPROVED EQUAL.

1 EXISTING FLOOR PLAN
SCALE: 1/4" = 1'-0"

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REFLECTED CEILING PLAN

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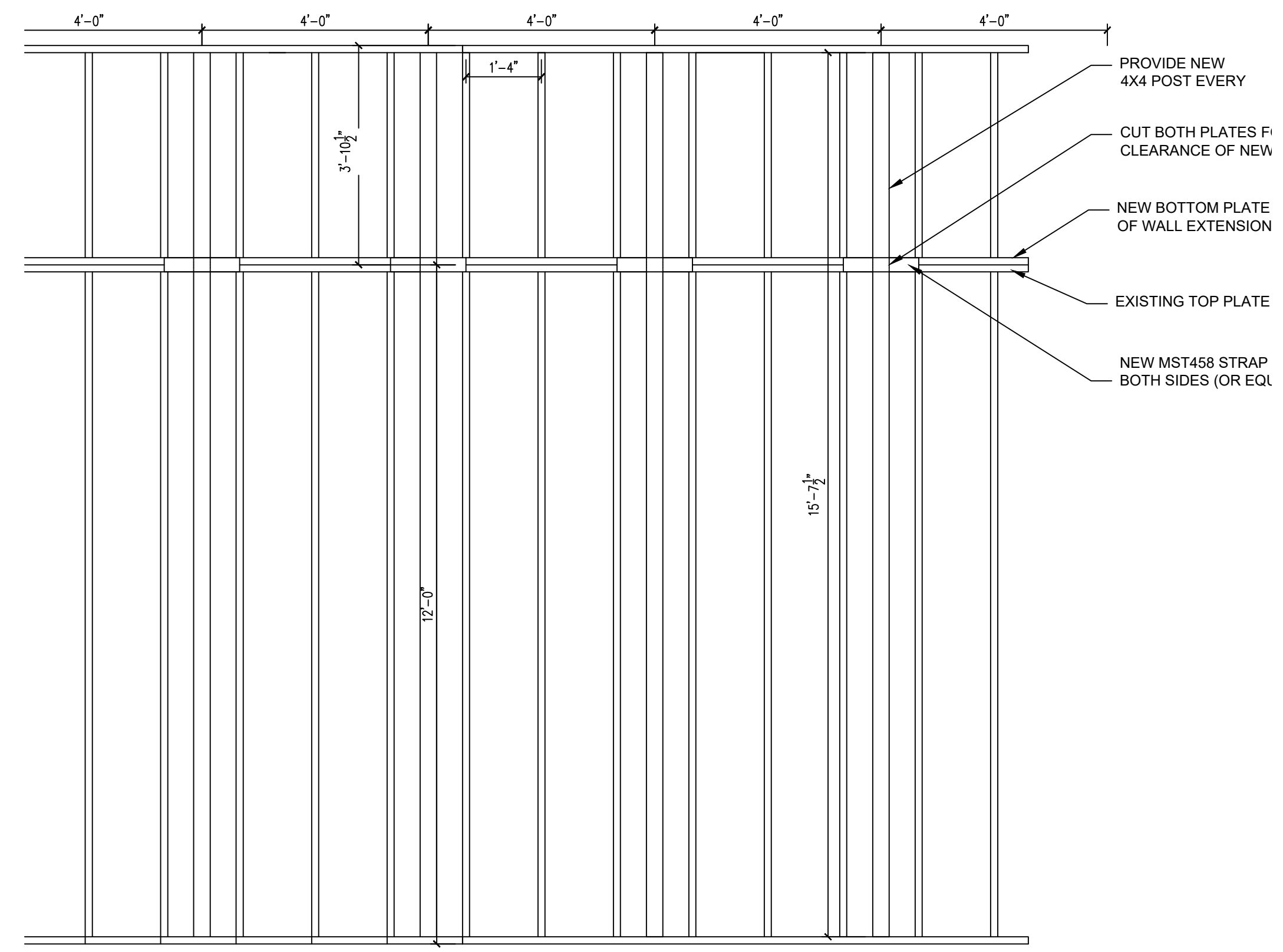
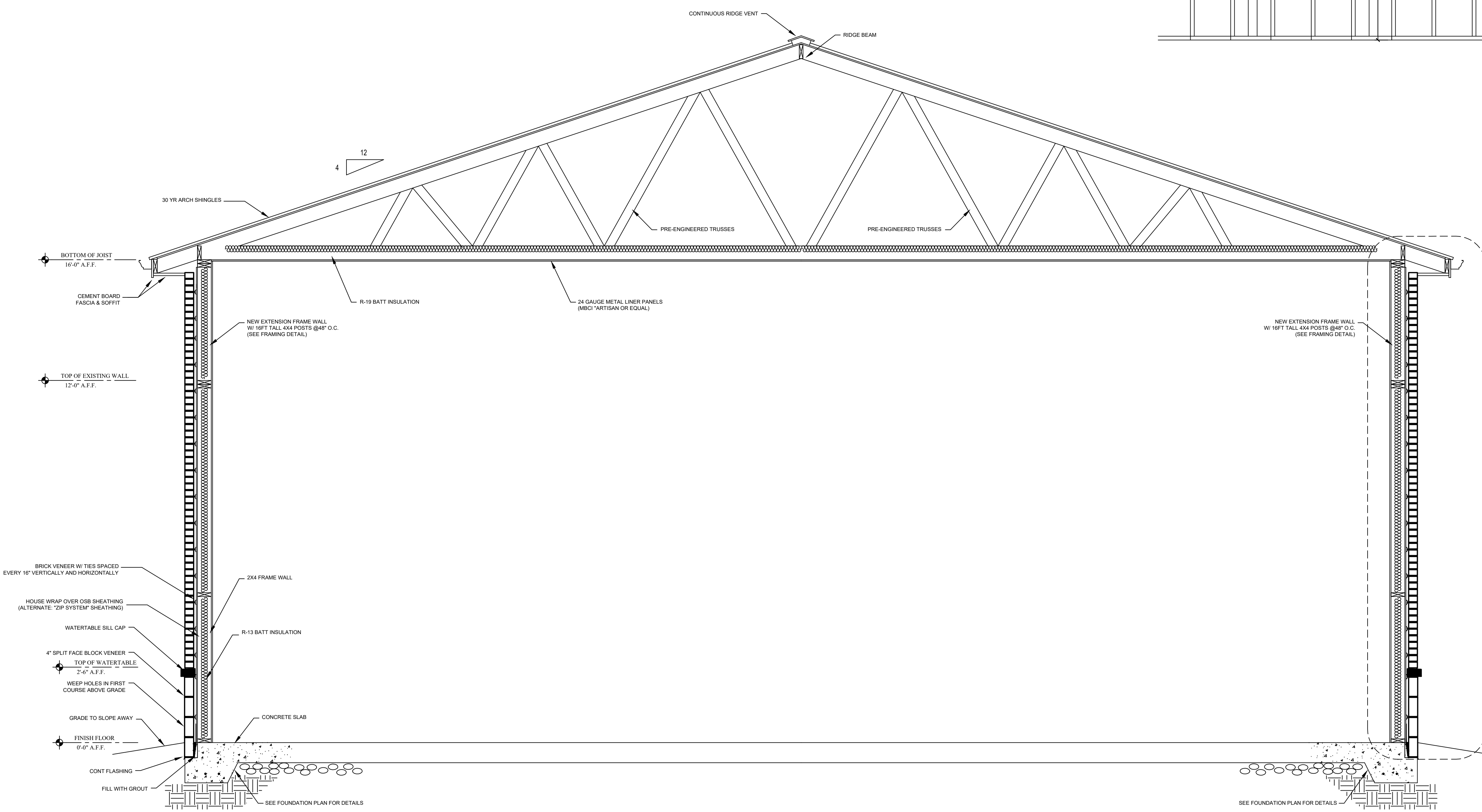
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A WALL EXTENSION DETAIL
SCALE: 1/2" = 1'-0"

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

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sheet title
SECTION

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date 10/16/2023	

A
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sheet title

SECTION

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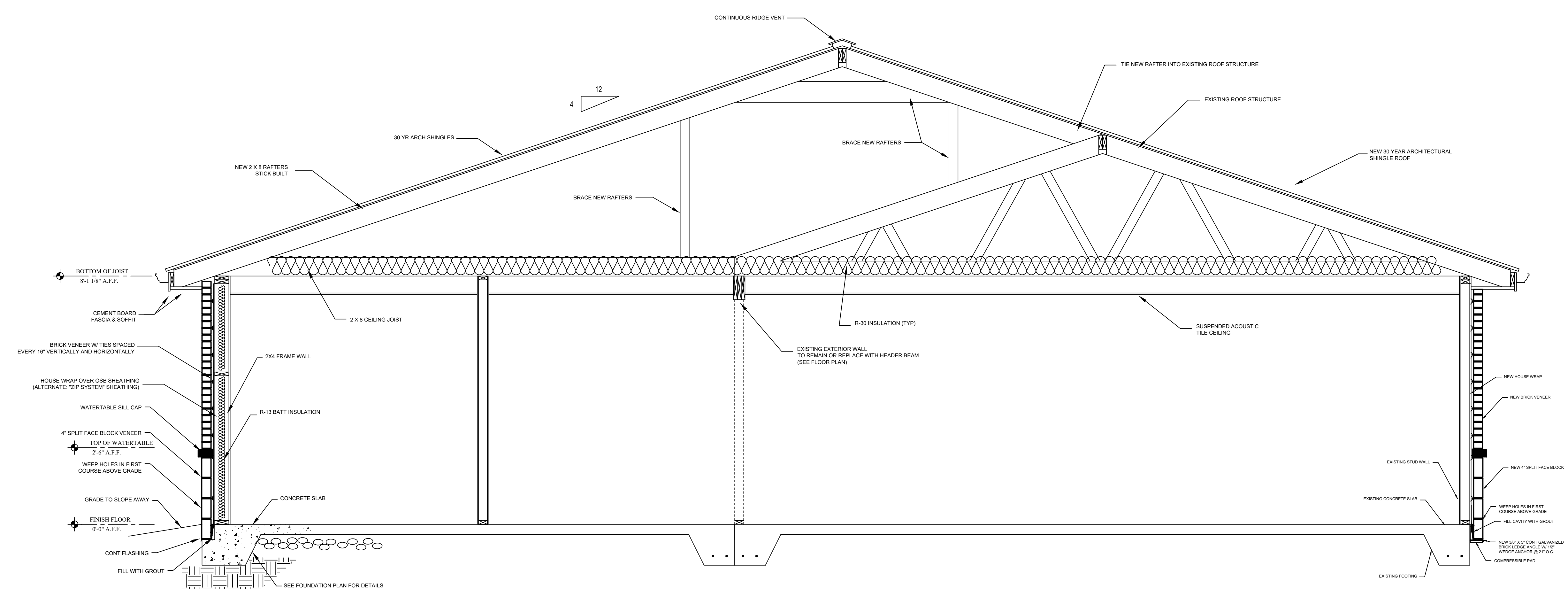
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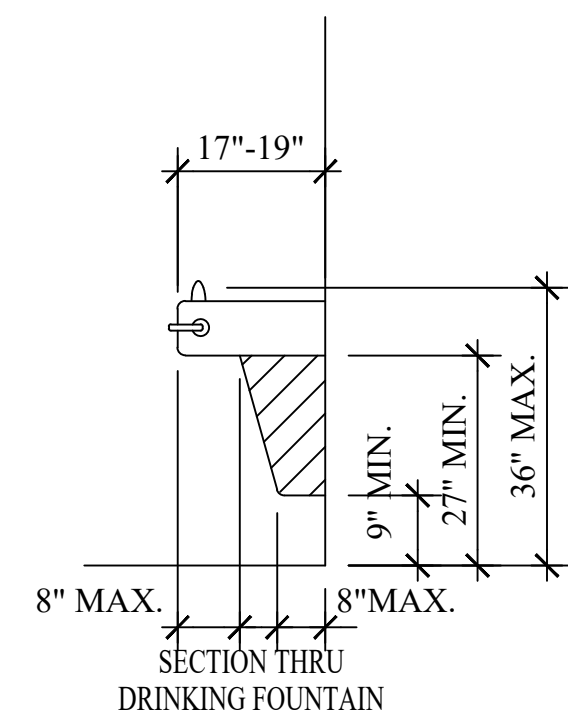
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A4.2

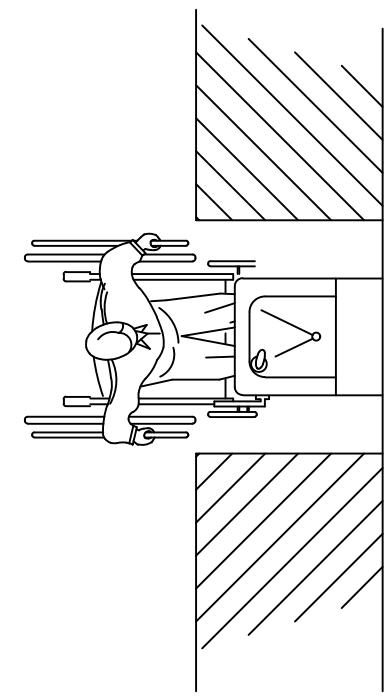
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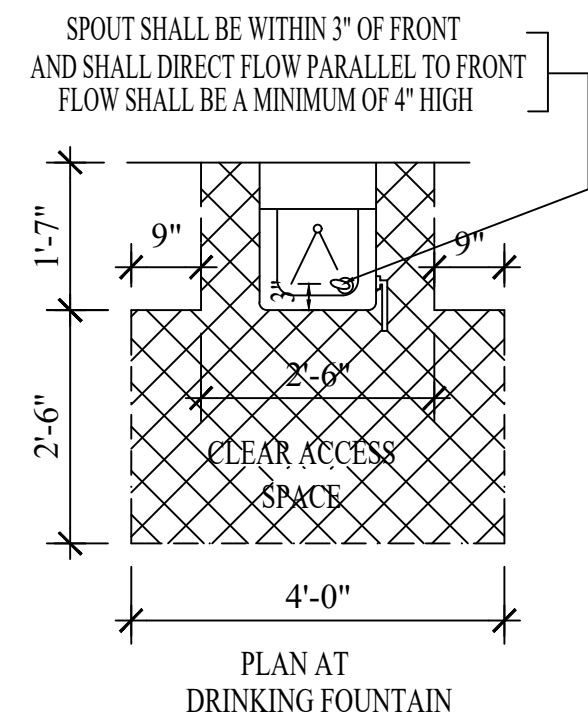
2 BUILDING SECTION
SCALE: 1/2" = 1'-0"



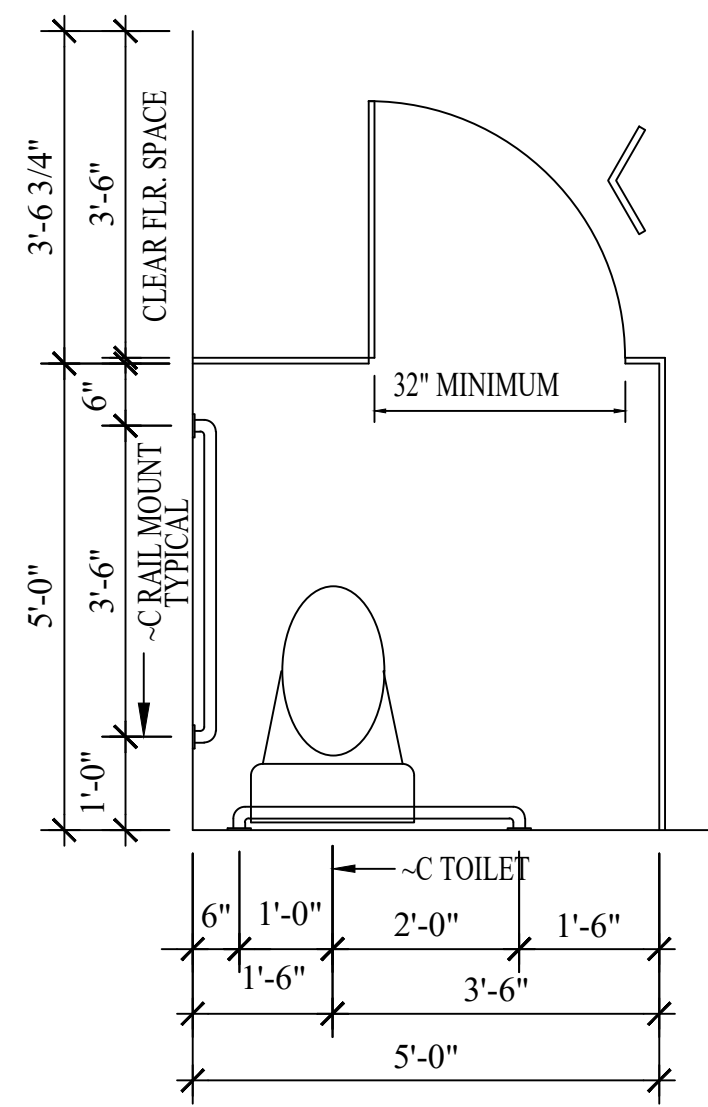
EQUIPMENT PERMITTED IN SHADED AREA
(A) SPOUT HEIGHT AND KNEE CLEARANCE



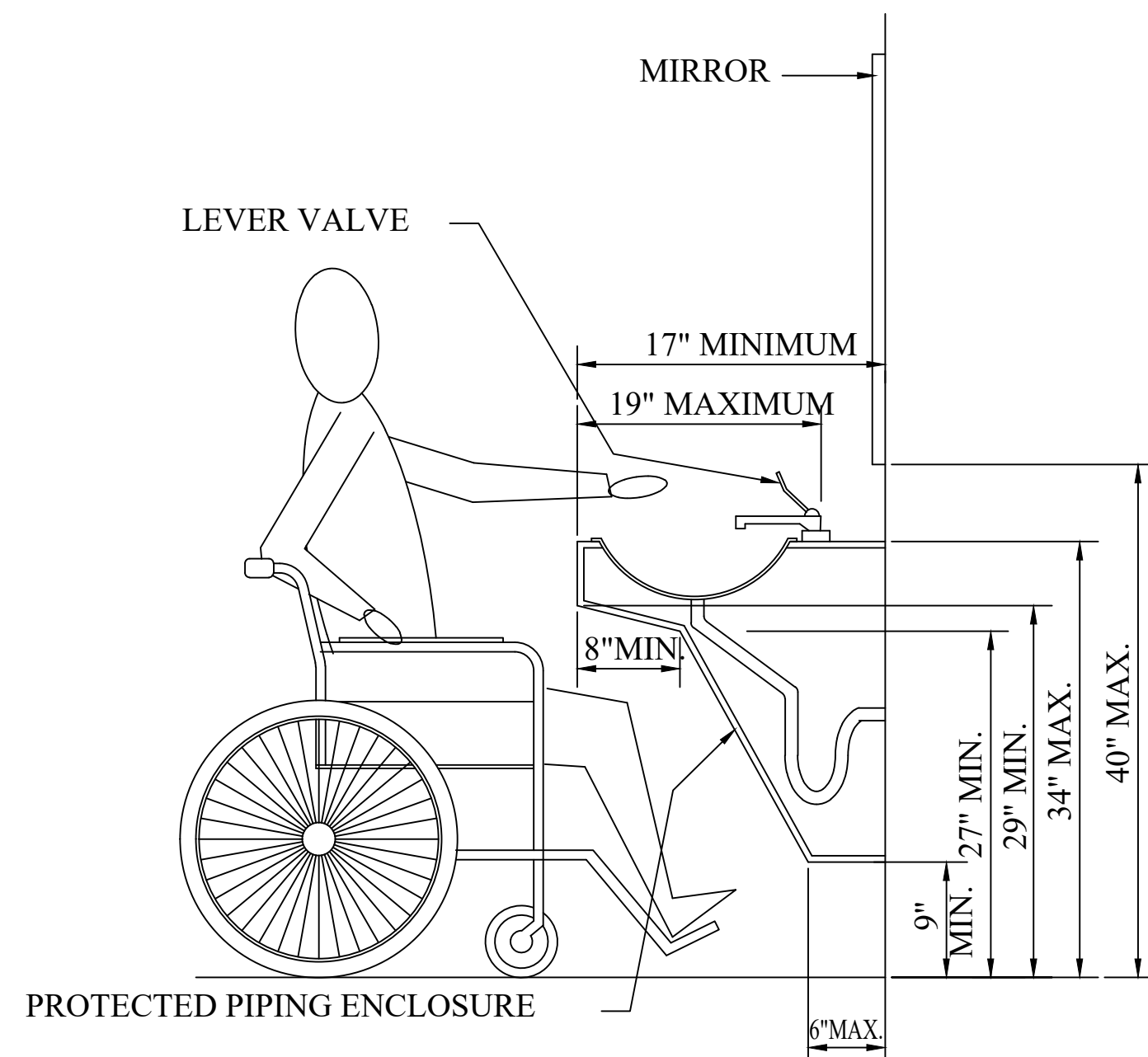
(B) CLEAR FLOOR SPACE



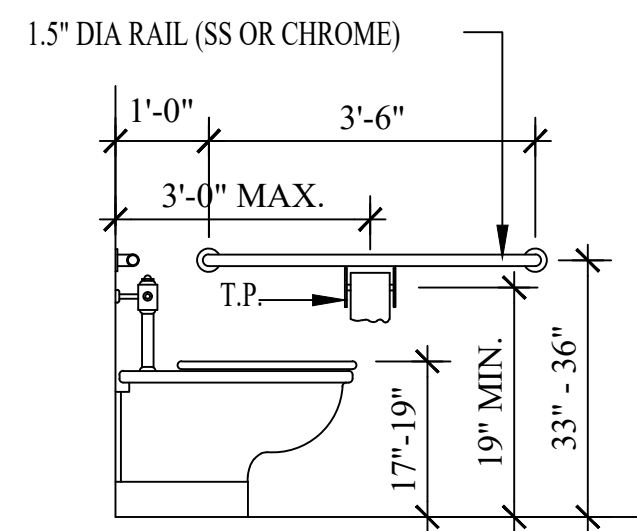
PLAN AT DRINKING FOUNTAIN



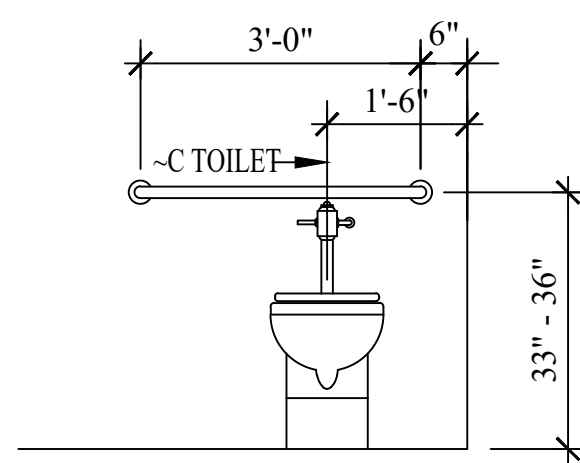
(A) STANDARD STALL



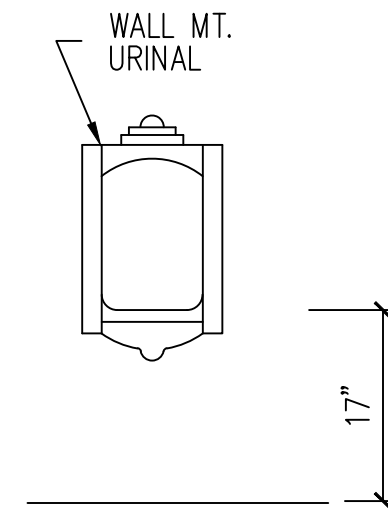
LAVATORY ELEVATION



(D) SIDE WALLS



(C) REAR WALL OF STANDARD STALL



(B) URINAL STALL

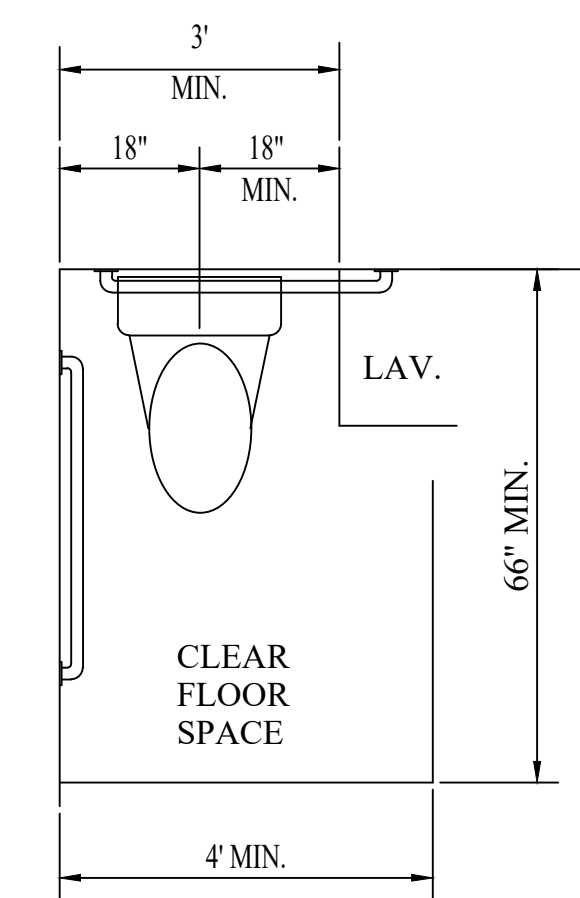
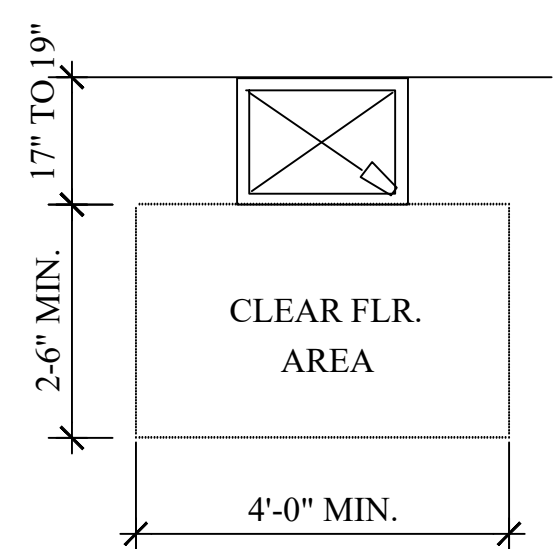
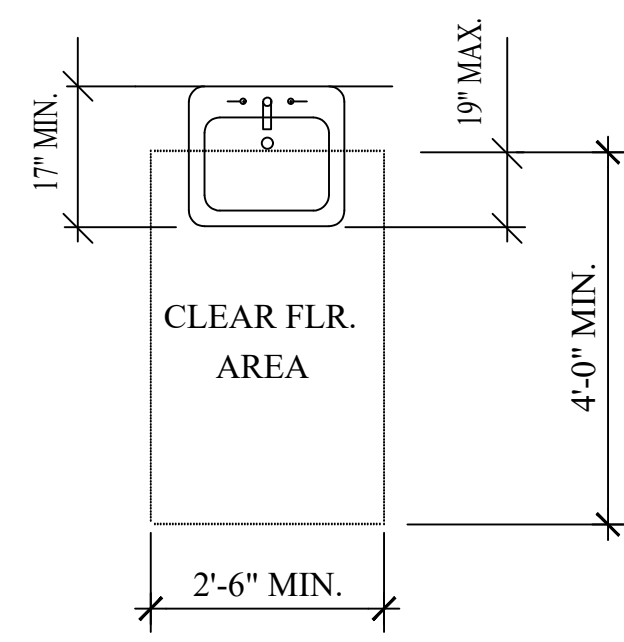


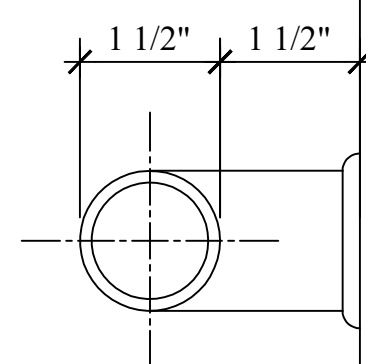
FIG. 28
CLEAR FLOOR SPACE AT WATER CLOSETS



DRINKING FOUNTAIN PLAN
SCALE: 1/2" = 1'-0"

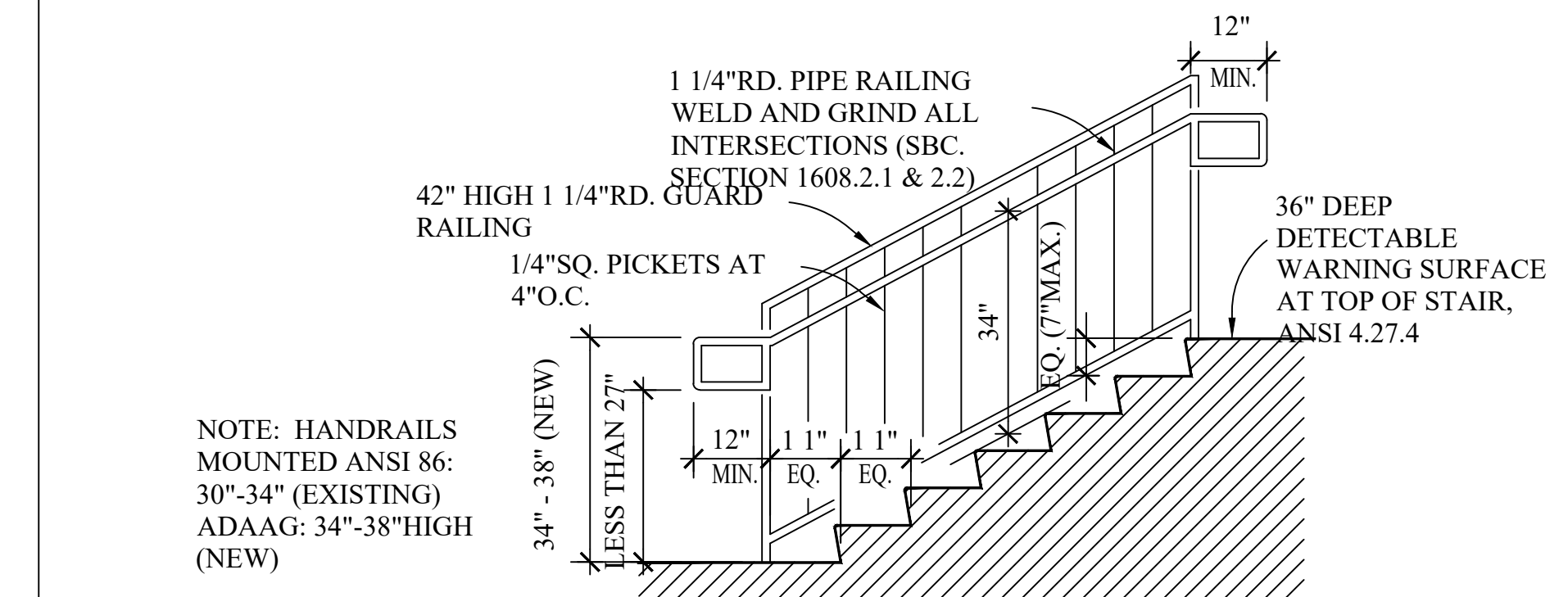


LAVATORY PLAN



NOTE:
GRAB BAR SHALL BE DESIGNED TO WITHSTAND A 250 LB. LOAD

DETAIL GRAB BAR
SCALE: 3" = 1'-0"



NOTE: HANDRAILS MOUNTED ANSI 86: 30"-34" (EXISTING) ADAAG: 34"-38" HIGH (NEW)

6 A.D.A. TYPICAL STAIR DETAIL
SCALE: 1/2" = 1'-0"

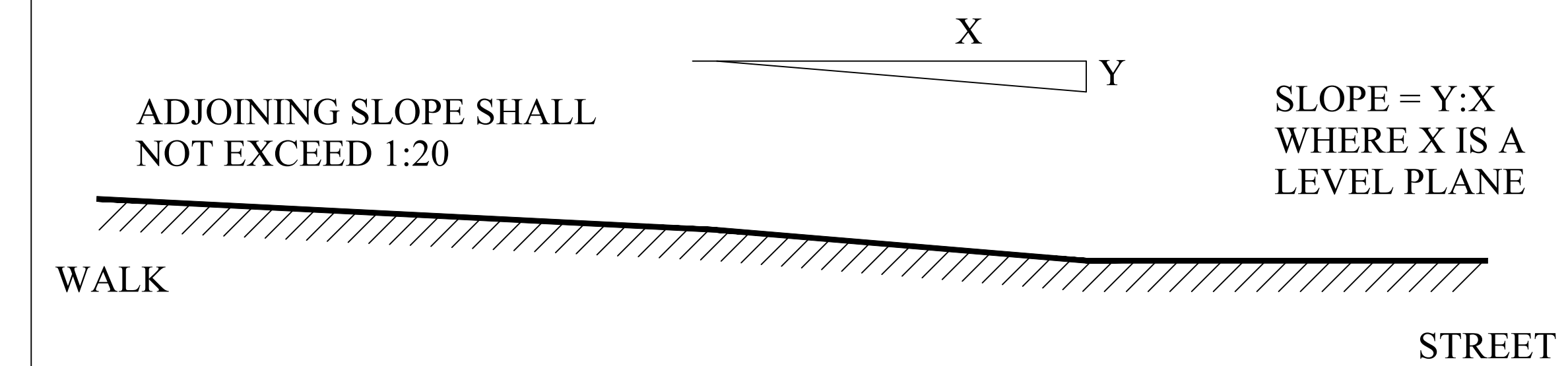
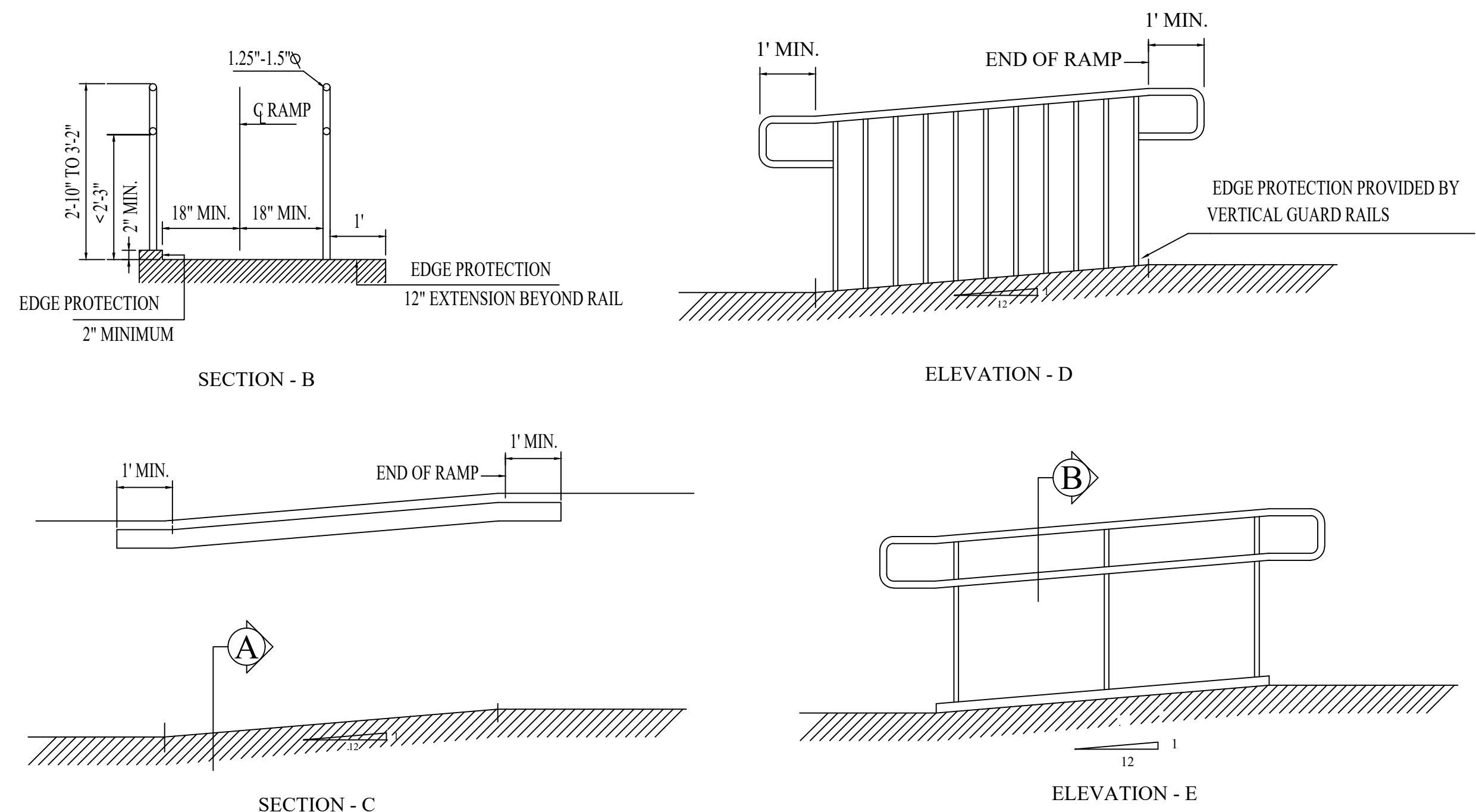
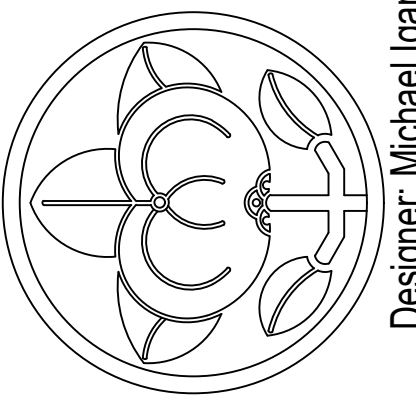


FIG. 11
MEASUREMENT OF CURB RAMP SLOPES



1 A.D.A. / G.A.C. DETAILS
NOT TO SCALE

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ADA DETAILS

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FINISH SCHEDULE

No.	ROOM	WALL		CHAIRRAIL		CROWN		BASEBOARD		FLOOR	CEILING		REMARKS
		Type	Color	Type	Color	Type	Color	Type	Color		Type	Color	
101	LOBBY OFFICE	PD	TBD	-	-	-	-	R1	TBD	PC	ACT	-	-
102	BUNK ROOM 1	PD	TBD	-	-	-	-	R1	TBD	PC	ACT	-	-
103	BUNK ROOM 2	PD	TBD	-	-	-	-	R1	TBD	PC	ACT	-	-
104	BUNK ROOM 3	PD	TBD	-	-	-	-	R1	TBD	PC	ACT	-	-
105	BUNK ROOM 4	PD	TBD	-	-	-	-	R1	TBD	PC	ACT	-	-
106	CORRIDOR	PD	TBD	-	-	-	-	R1	TBD	PC	ACT	-	-
107	BATHROOM	PD	TBD	-	-	-	-	R1	TBD	PT	ACT	-	-
108	BATHROOM	PD	TBD	-	-	-	-	R1	TBD	PT	ACT	-	-
109	RESTROOM	PD	TBD	-	-	-	-	R1	TBD	PT	ACT	-	-
110	WORKOUT ROOM	PD	TBD	-	-	-	-	R1	TBD	RB/PC	ACT	-	RUBBER ENDS AT LAUNDRY
111	KITCHEN	PD	TBD	-	-	-	-	R1	TBD	PC	ACT	-	-
112	DAY ROOM	PD	TBD	-	-	-	-	R1	TBD	PC	ACT	-	-
113	LAUNDRY	PD	TBD	-	-	-	-	R1	TBD	PC	ACT	-	-
114	GEAR EXTRACTOR	PD	TBD	-	-	-	-	R1	TBD	SC	LP	CF	-
115	2 BAY GARAGE	PD	TBD	-	-	-	-	R1	TBD	SC	LP	CF	-

NOTES:
1.
2.

LEGEND

WALL
PD = PAINTED DRYWALL
UD = UNPAINTED DRYWALL
BM = BY MANUFACTURER
VBI = WHITE VINYL BACKED INSULATION

CHAIR RAIL MOLDING
W1 = WOOD CHAIR RAIL - RB-8806 W/ RB-8803

CROWN MOLDING
W2 = WOOD CROWN - RB47

BASEBOARD MOLDING
R1 = RUBBER BASEBOARD (COLOR TBD)
CB1 = CERAMIC COVE BASE (COLOR TO MATCH CTI)
W3 = WOOD BASE - 5" SPEED BASE
W3S = WOOD BASE - 5" SPEED BASE WITH SHOE

FLOOR
RB = RUBBER MAT
LVT = LUXURY VINYL TILE - MANNINGTON PLANK
PC = POLISHED CONCRETE
SC = SEALED CONCRETE
PT = PORCELAIN TILE

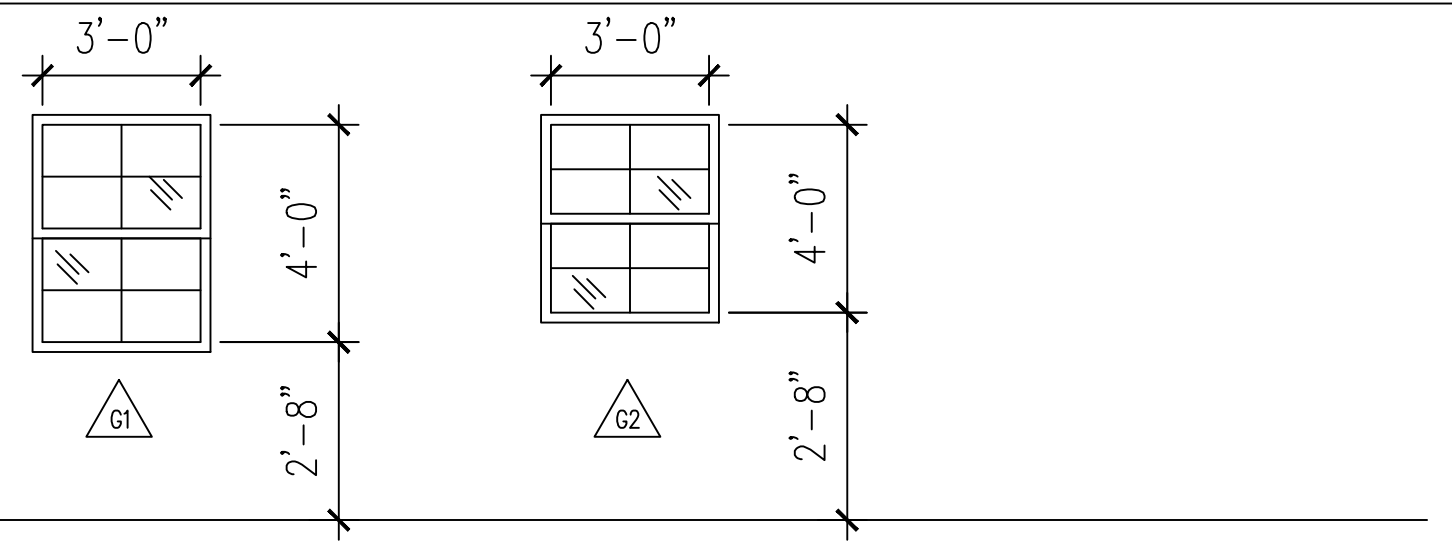
CEILING
ACT = ACOUSTICAL TILE
LP = LINER PANEL

COLOR
TBD = TO BE DETERMINED
WF1 = LATEX FLAT - ANTIQUE WHITE
SG1 = SEMI-GLOSS TRIM - COLOR PURE WHITE
ST1 = STAIN - COLOR TBD
CF = CEILING WHITE - FLAT FINISH

WINDOW SCHEDULE

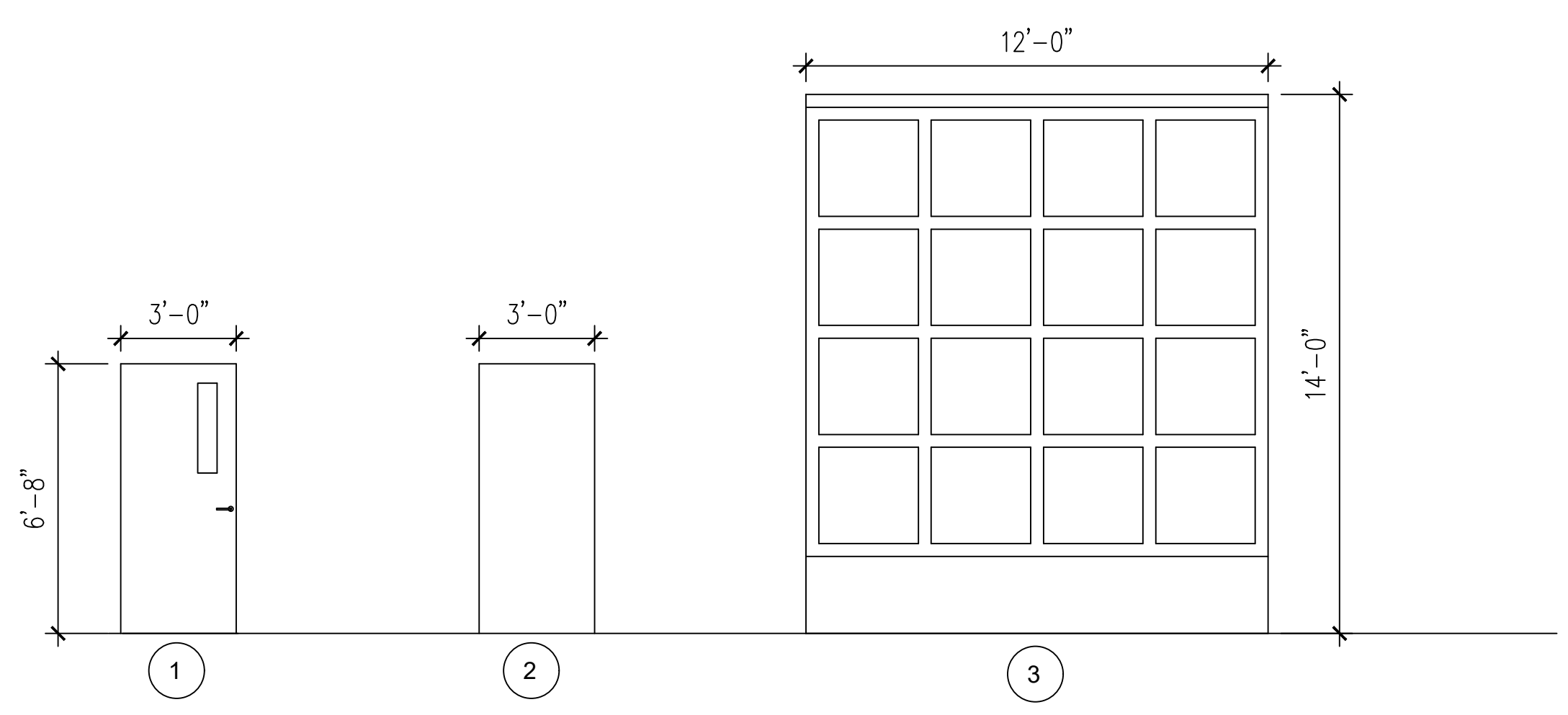
Mark	Frame			Glazing						Remarks
	Width	Height	Material	Mullion	Pane	Insul	Tint	U-Factor	SHGC	
G1	3'-0"	4'-0"	VINYL	AS SHOWN	DOUBLE	LOW-E	BRONZE	0.30	0.25	-
G2	3'-0"	3'-6"	VINYL	AS SHOWN	DOUBLE	LOW-E	BRONZE	0.30	0.25	-

NOTES:
1. MANUFACTURER TO BE SELECTED BY CONTRACTOR AND SUBMITTED TO OWNER FOR APPROVAL.



DOOR SCHEDULE

No.	Door						Frame		Hardware Set	Remarks
	Width	Height	Lable	Swing	Material	Type	Type	Depth		
101	3'-0"	6'-8"	-	RH	M/G	1	HM	5 3/4"	1	-
102	3'-0"	6'-8"	-	LH	W	2	HM	5 3/4"	4	-
103	3'-0"	6'-8"	-	LH	W	2	HM	5 3/4"	4	-
104	3'-0"	6'-8"	-	RH	W	2	HM	5 3/4"	4	-
105	3'-0"	6'-8"	-	RH	W	2	HM	5 3/4"	4	-
106	3'-0"	6'-8"	-	LH	M/G	1	HM	5 3/4"	1	-
107	3'-0"	6'-8"	-	LH	W	2	HM	5 3/4"	4	-
108	3'-0"	6'-8"	-	LH	W	2	HM	5 3/4"	4	-
109	3'-0"	6'-8"	-	LH	W	2	HM	5 3/4"	4	-
110	3'-0"	6'-8"	-	LH	W	2	HM	5 3/4"	2	-
111	3'-0"	6'-8"	-	RH	M/G	1	HM	5 3/4"	3	-
112	3'-0"	6'-8"	-	LH	W	2	HM	5 3/4"	2	-
113	3'-0"	6'-8"	-	RH	W	2	HM	5 3/4"	2	-
114	3'-0"	6'-8"	-	-	-	-	HM	5 3/4"	-	CASED OPENING
115	3'-0"	6'-8"	-	-	-	-	HM	5 3/4"	-	CASED OPENING
116	3'-0"	6'-8"	-	LH	M/G	1	HM	5 3/4"	2	-
117	3'-0"	6'-8"	-	RH	W	2	HM	5 3/4"	2	-
118	3'-0"	6'-8"	-	RH	W	2	HM	5 3/4"	2	-
119	3'-0"	6'-8"	-	RH	W	2	HM	5 3/4"	2	-
120	EXISTING	6'-8"	-	-	-	-	-	-	-	EXISTING TO REMAIN
121	12'-0"	14'-0"	-	ROLL UP	M/G	3	HM	N/A	-	-
122	12'-0"	14'-0"	-	ROLL UP	M/G	3	HM	N/A	-	KEYED SLIDE LOCK



HARDWARE

SET #1
HINGE BB
LOCKSET - KEYED
WALL STOP
SILENCERS

SET #2
HINGE BB
LOCKSET - PASSAGE
CLOSER
SILENCERS

SET #3
HINGE BB
LOCKSET - PANIC BAR
DEADBOLT KEYED
CLOSER
SILENCERS

SET #4
HINGE BB
LOCKSET - PRIVACY
CLOSER
WALL STOP
SILENCERS

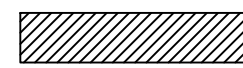
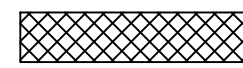
LEGEND

HM = HOLLOW METAL
IHM = INSUL HOLLOW METAL
P/P = PUSH PULL
D = DEADBOLT
W = WOOD (SOLID CORE)
A = ALUMINUM
P = PASSAGE LEVER
C = CLOSER W/ HOLD OPEN
PB = PANIC HARDWARE
K = KEYED LEVER
PL = PRIVACY LEVER
G = GLASS (1/4" TEMP)

NOTES:
1. ALL HARDWARE TO BE COMMERCIAL GRADE BRUSHED STEEL - SCHLAGE.
2. PROVIDE FLOOR OR WALL DOORSTOPS FOR ALL DOORS AS APPROPRIATE.
3. SELF-CLOSING DEVICES (SEE LEGEND ABOVE) SHALL MEET THE REQUIREMENTS OF THE NFPA 101, 7.2.1.4.
4. ALL FIRE RATED DOORS SHALL RECEIVE SELF-CLOSING DEVICES AND POSITIVE LATCHES PER THE NFPA 101, SEC 8.4.1.1.
5. KEYING TO MATCH OWNER'S SECURED KEY SYSTEM

issue date/revisions
architect's seal
project name FIRE STATION #5
2100 W HIGHTOWER TRAIL CONYERS, GA 30012
sheet title SCHEDULES
drawn by MJAI
checked by ---
project no. ---
date 10/16/2023
A6.1
sheet no.



ZONING LEGEND

HATCHING	DESCRIPTION	AREA	CEILING HEIGHT
	ZONE 1 - DAY AREA	1113 SF	8 FT
	ZONE 2 - SLEEPING AREA	841 SF	8 FT

MECHANICAL EQUIPMENT SCHEDULE

MARK	DESCRIPTION
AH-1	AIR HANDLER - 4 TON, BASIS OF DESIGN = CARRIER VARIABLE SPEED, DUAL ZONE
HP-1	HEAT PUMP - 4 TON, BASIS OF DESIGN = CARRIER

NOTES:

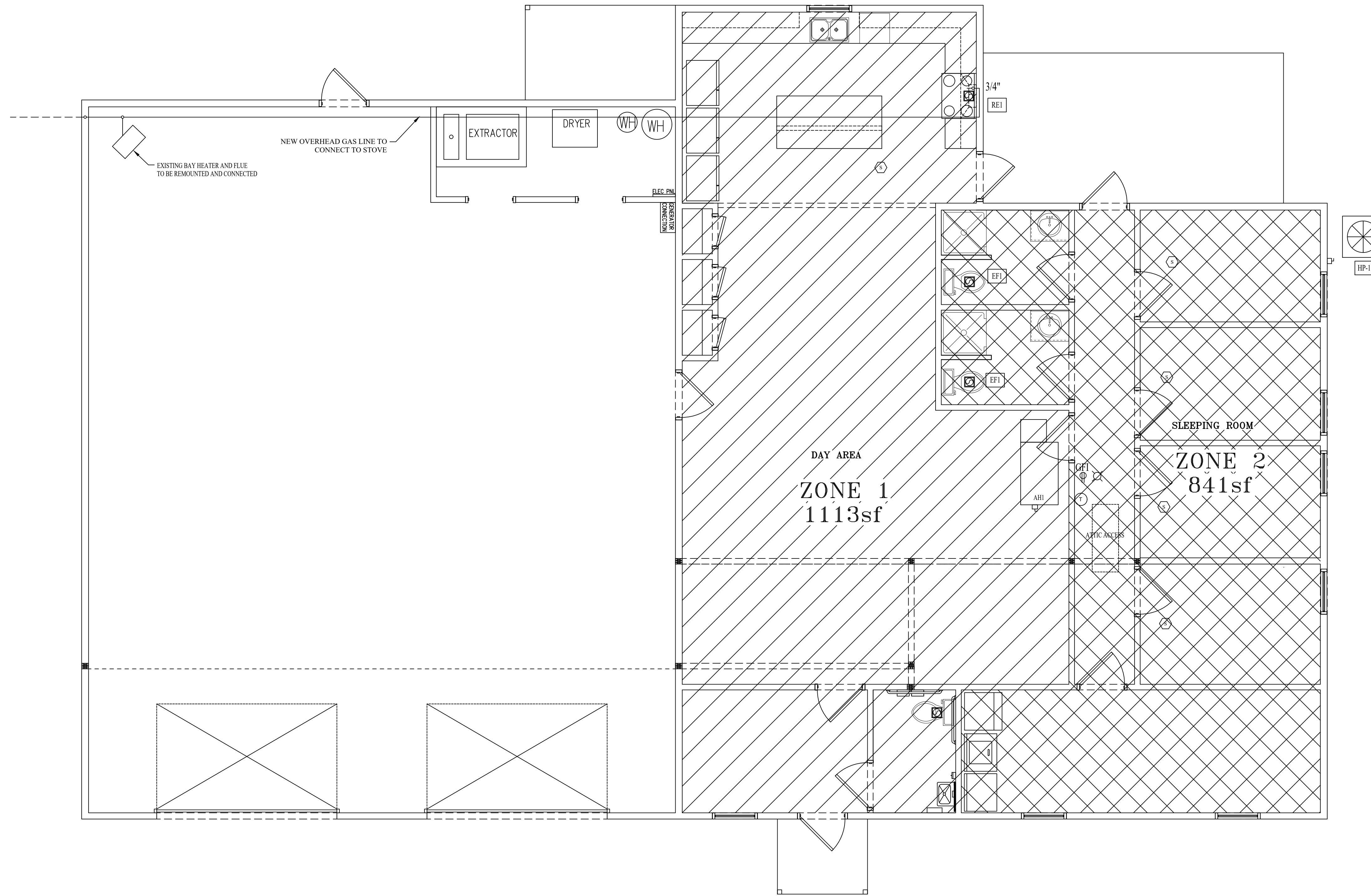
- PROVIDE PROGRAMMABLE THERMOSTATS. 
- PROVIDE SMOKE DETECTORS AS SHOWN. 

EXHAUST FAN SCHEDULE

MARK	FUNCTION	CFM	MFR	MODEL	VOLTS/PH	NC
EF1	RR EXHAUST	75	BROAN	684	115 V	
RE1	RANGE HOOD	500	GREENHECK	GRRS-W-36-TEDN	115 V	

NOTES:

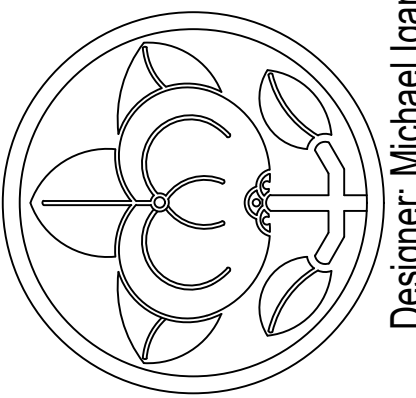
- EXHAUST FANS TO VENT TO EXTERIOR THRU WALL
- PROVIDE BACKDRAFT DAMPER
- PROVIDE PULL STATION AND RANGE SHUT OFF



TING PROPANE TANK TO AIN (VERIFY SIZE AND ACTIVITY FOR NEW STOVE)

1 HVAC ZONING PLAN
SCALE: 1/4" = 1'-0"

IGARASHI
DESIGNS



Designer: Michael Igarashi - michaeligarashi@gmail.com - 770-663-0666

issue date/revisions
A-4/18/24-EDC-Added Gas Line & Vent Hood

architect's seal

project name
FIRE STATION #5
2100 W HIGHTOWER TRAIL
CONYERS, GA 30012

sheet title
HVAC ZONING PLAN

drawn by

checked by

project no.

date

10/16/2023

M1-1
sheet no.

GENERAL NOTES:

- CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT). PVC, RIGID CONDUIT PVC OR RIGID SHALL BE USED IN WET LOCATIONS.
- CONDUIT CONCEALED IN WALLS SHALL BE EMT OR METAL CLAD CABLE (MC)
- ALL FIRE WALL PENETRATIONS SHALL BE SEALED WITH AN APPROVED FIRE STOP COMPOUND.
- ALL WIRING AND ELECTRICAL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC.) IN CASE OF A CONFLICT BETWEEN THIS DWG. AND THE NEC. NEC SHALL PREVAIL.
- THE GROUNDING PATH FROM PANELBOARD TO EACH LOAD SHALL BE CONTINUOUS. PULL #12 GREEN IN EACH RACEWAY UNLESS NOTED OTHERWISE.
- CONDUIT SIZING AND CIRCUIT GROUPING SHALL BE THE RESPONSIBILITY OF ELECTRICAL CONTRACTOR & SHALL CONFORM TO ARTICAL 310 OF THE NEC.
- ALL EGRESS LIGHTING TO BE UNSWITCHED ON LOCAL LIGHTING CIRCUIT.

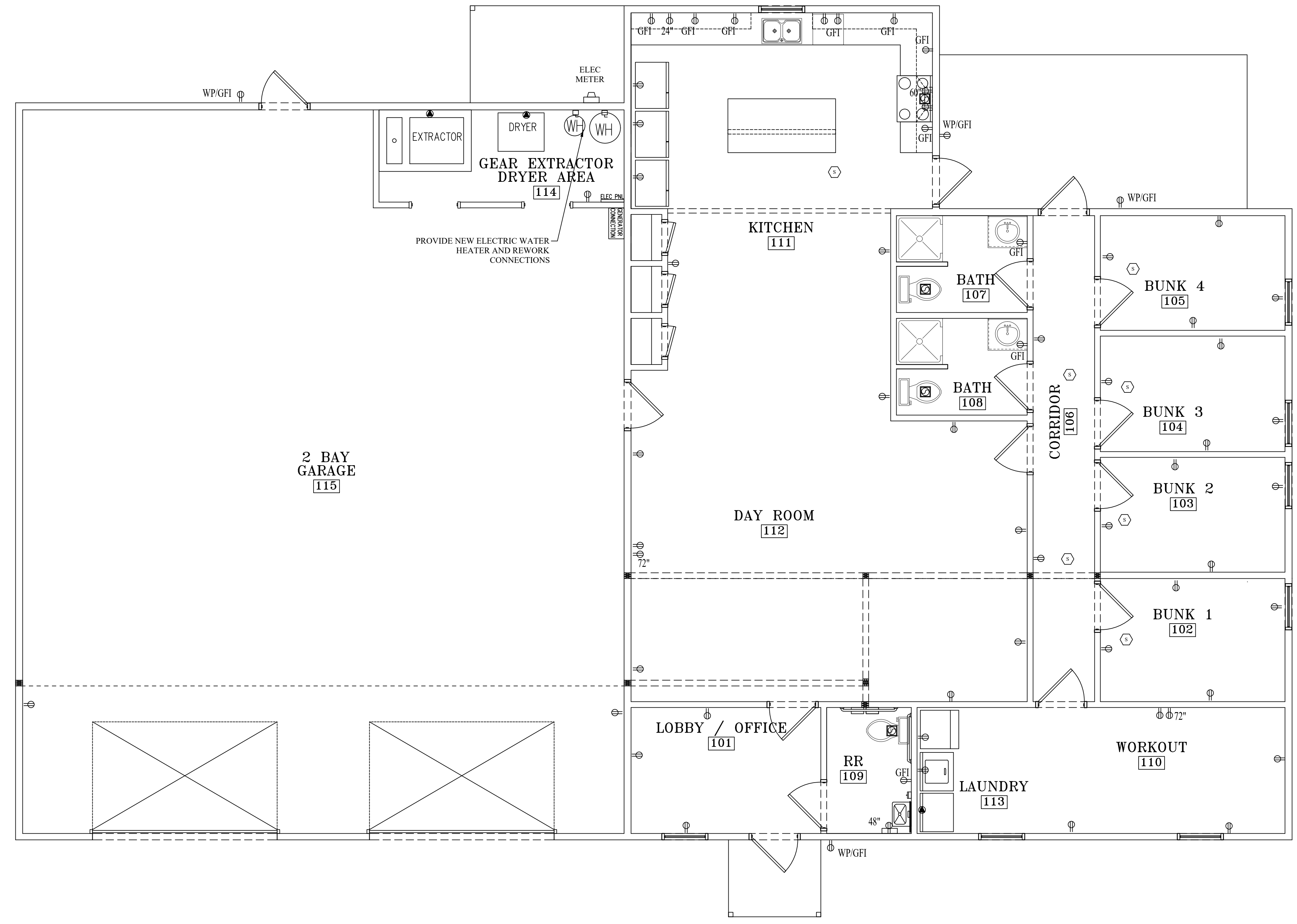
PANEL BOARD SCHEDULE "A"

120/240V, 1Ø 3-W, 200A MAIN BREAKER
TOTAL CONNECTED LOAD = 38.8 KW

LOAD	TRIP AMPS	NO. POLES	WATTS	CIR. NO.		CIR. NO.	WATTS	NO. POLES	TRIP AMPS	LOAD
				A	B					
AIR HANDLER	60	2	3500	1		2	2000	2	40	CONDENSER
			3500	3		4	2000			
WATER HEATER	30	2	2250	5		6	1800	2	30	DRYER
			2250	7		8	1800			
WASHING MACHINE	20	1	800	9		10	1800	1	30	WASHER EXTRACTOR
RANGE HOOD	20	1	300	11		12	1800			
MICROWAVE	20	1	1000	13		14	1800	1	30	GEAR DRYER
RANGE/OVEN	30	2	1500	15		16	1800			
			1500	17		18	600	1	20	RECEPTACLES - GFI
REFRIGERATOR	20	1	400	19		20	600	1	20	RECEPTACLES - KITCHEN GFI
REFRIGERATOR	20	1	400	21		18	600	1	20	RECEPTACLES - KITCHEN GFI
REFRIGERATOR	20	1	400	23		20	600	1	20	RECEPTACLES - BEDROOMS
DISHWASHER	20	1	400	25		22	600	1	20	RECEPTACLES - DAY ROOM
LIGHTS - SLEEPING ROOMS	20	1	400	27		24	600	1	20	RECEPTACLES - EXTERIOR
LIGHTS - DAY ROOM	20	1	400	29		26	600	1	20	RECEPTACLES - VEHICLE BAY
LIGHTS - VEHICLE BAY	20	1	800	31		28	-	-	-	SPACE
SPACE	-	-	-	33		30	-	-	-	SPACE
SPACE	-	-	-	35		32	-	-	-	SPACE
Ø "A"	19,800 W						38,800 W			40,550 W = 168.9 A
Ø "B"	19,000 W						1,750 W			240
TOTAL	38,800 W						TOTAL 40,550 W			

LEGEND

	2FT X 4FT LED LAY-IN LIGHT FIXTURE
	2FT X 2FT LED LAY-IN LIGHT FIXTURE
	LED HIGH BAY LIGHT
	6" LED WAFER LIGHT
	COMBINATION PHONE/DATA CAT 5E JACK
	DUPLX RECEPTACLE
	SINGLE POLE LIGHT SWITCH
	3-WAY LIGHT SWITCH
	INDOOR CEILING FAN



1 ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

IGARASHI DESIGNS

Designer: Michael Igarashi - michaeligarashi@gmail.com - 770-663-0666

issue date/revisions
A-4/40/24-EDC-Added Gas Range & Electric Waterheater

architect's seal

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FIRE STATION #5
2100 W HIGHTOWER TRAIL
CONYERS, GA 30012

sheet title
ELECTRICAL POWER PLAN

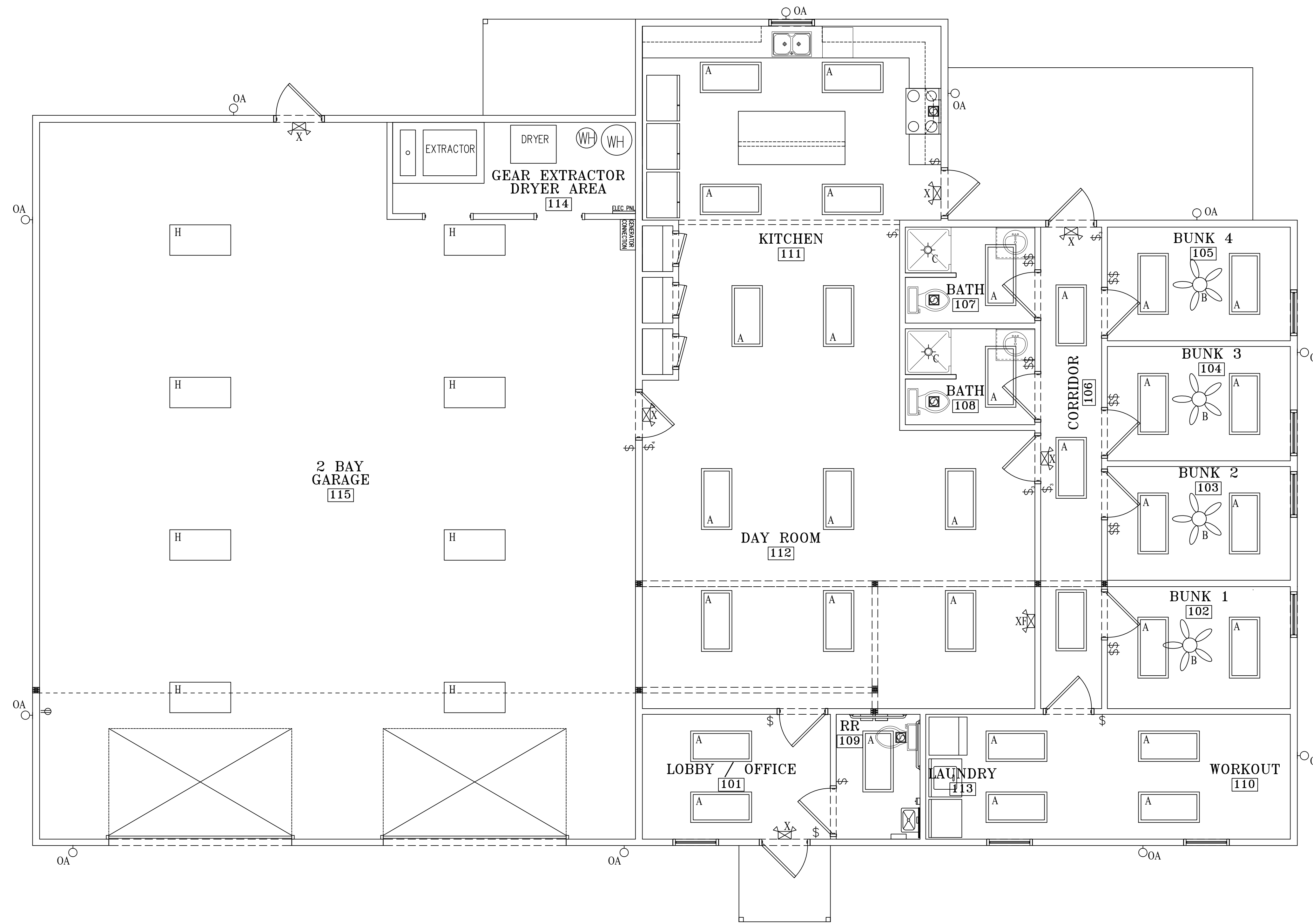
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checked by	
project no.	
date	
10/16/2023	sheet no.

LIGHT FIXTURE SCHEDULE					
Type	Description	Lamp	Manuf	Model	NOTES
A	2X4 LED LAY-IN FIXTURE	LED	LITHONIA	GTL SERIES	
B	INDOOR 42" CEILING FAN	NONE	HUNTER BAY	LOW PROFILE III	
C	6" LED WAFER FIXTURE, WET LISTED	LED, 4000K COLOR	LITHONIA	WF6	
H	LED HIGHBAY	LED, 4000K COLOR	COLUMBIA LIGHTING	LLHV SERIES	
OA	ARCHITECTURAL WALL PAK	LED, 4000K COLOR	LITHONIA	WSR SERIES	
XF	EMERGENCY FLOOD, TWO HEAD, 90 MIN BATTERY	FLOOD	LITHONIA	LHQM SERIES	-
X	EMERGENCY EXIT/FLOOD COMBO, LED, 90 MIN BATTERY	LED	LITHONIA	LHQM SERIES	-

NOTES:
1.

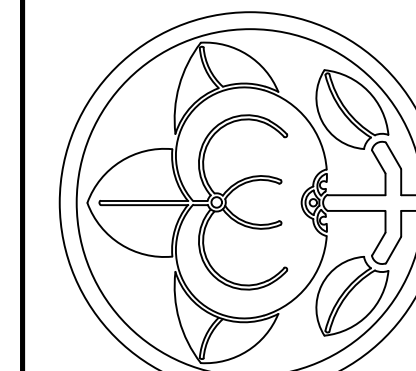
- GENERAL NOTES:**
1. CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT), PVC, RIGID CONDUIT PVC OR RIGID SHALL BE USED IN WET LOCATIONS.
 2. CONDUIT CONCEALED IN WALLS SHALL BE EMT OR METAL CLAD CABLE (MC)
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 4. ALL WIRING AND ELECTRICAL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) IN CASE OF A CONFLICT BETWEEN THIS DWG. AND THE NEC, NEC SHALL PREVAIL.
 5. THE GROUNDING PATH FROM PANELBOARD TO EACH LOAD SHALL BE CONTINUOUS. PULL #12 GREEN IN EACH RACEWAY UNLESS NOTED OTHERWISE.
 6. CONDUIT SIZING AND CIRCUIT GROUPING SHALL BE THE RESPONSIBILITY OF ELECTRICAL CONTRACTOR & SHALL CONFORM TO ARTICAL 310 OF THE NEC.
 7. ALL EGRESS LIGHTING TO BE UNSWITCHED ON LOCAL LIGHTING CIRCUIT.

LEGEND	
	2FT X 4FT LED LAY-IN LIGHT FIXTURE
	2FT X 2FT LED LAY-IN LIGHT FIXTURE
	LED HIGH BAY LIGHT
	6" LED WAFER LIGHT
	COMBINATION PHONE/DATA CAT 5E JACK
	DUPLEX RECEPTACLE
	SINGLE POLE LIGHT SWITCH
	3-WAY LIGHT SWITCH
	INDOOR CEILING FAN



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

IGARASHI
DESIGNS



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issue date/revisions

architect's seal

project name

FIRE STATION #5

2100 W HIGHTOWER TRAIL
CONYERS, GA 30012

sheet title

ELECTRICAL LIGHTING PLAN

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project no.

date

10/16/2023

E1-2

sheet no.

PLUMBING FIXTURE SCHEDULE	
MARK	DESCRIPTION
P-1	HANDICAPPED WATER CLOSET
P-2	LAVATORY - MOUNTED IN COUNTER
P-3	PREFABRICATED SHOWER
P-4	WASHING MACHINE CONNECTION
P-5	KITCHEN SINK - MOUNTED IN COUNTER
P-6	DISHWASHER
P-7	WATER CONNECTION FOR REFRIGERATOR
P-8	WASHER EXTRACTOR
P-9	HANDICAPPED SINK - MOUNTED WITH CARRIER IN WALL
FD	FLOOR DRAIN W/ TRAP PRIMER
P-10	WATER HEATER - 50 GALLON ELECTRIC

issue date/revisions
 A-4/18/24-EDC- Added WH

LEGEND:

- C - COLD WATER _____
- H - HOT WATER _____
- T - TEMPERED WATER _____
- DWV - DRAIN, WASTE, VENT _____
- SS - SANITARY SEWER _____
- "B" - WATER HAMMER ARRESTOR _____
- FD - FLOOR DRAIN _____
- HD - HUB DRAIN _____
- FCO - FINISHED FLOOR CLEANOUT _____
- OSCO - OUTSIDE CLEANOUT W/ PAD _____
- HWH - HOT WATER HEATER _____
- FPWH - FROST PROOF WALL HYDRANT _____
- RCP - RECIRCULATING PUMP _____
- VTR - VENT THRU ROOF _____
- SV - STUDOR VENT _____
- WCO - WALL CLEANOUT _____

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FIRE STATION #5
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sheet title
PLUMBING PLAN

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date

P1-1

sheet no.

ALL PLUMBING FIXTURES TO TIE INTO EXISTING LINES AS SHOWN

TO EXISTING DRAIN FIELD LINES

EXISTING SEPTIC TANK TO REMAIN

EXISTING LINE TO EXISTING SEPTIC TANK TO REMAIN (VERIFY LOCATION)

TIE INTO EXISTING LINES AS POSSIBLE (TYP)

NEW LINES - CUT CONCRETE AS NEEDED TO CONNECT (TYP)

CAP UNUSED EXISTING LINES UNDER SLAB AND PATCH FLUSH FOR FLOOR COVERING (TYP)

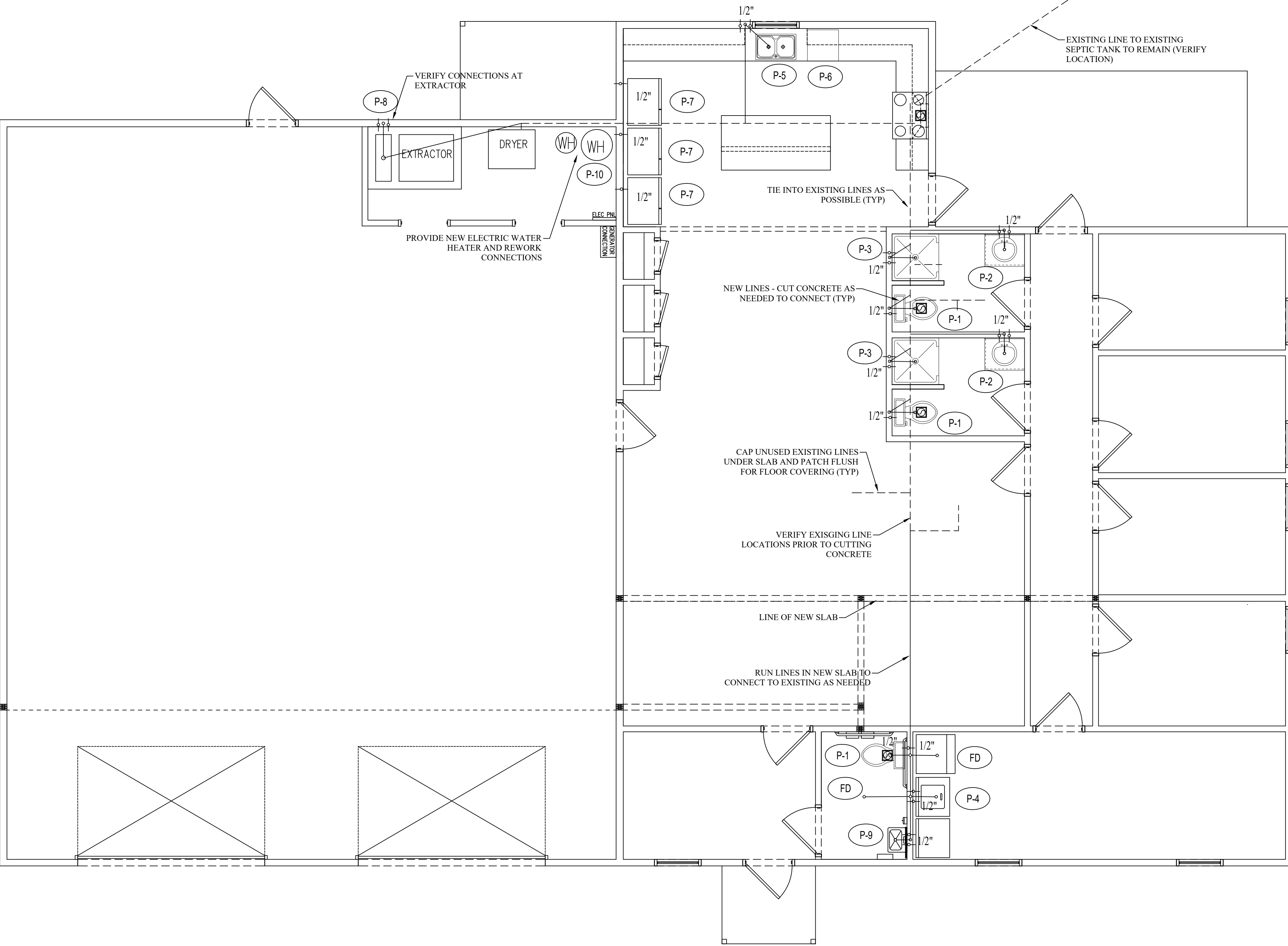
VERIFY EXISTING LINE LOCATIONS PRIOR TO CUTTING CONCRETE

LINE OF NEW SLAB

RUN LINES IN NEW SLAB TO CONNECT TO EXISTING AS NEEDED

VERIFY CONNECTIONS AT EXTRACTOR

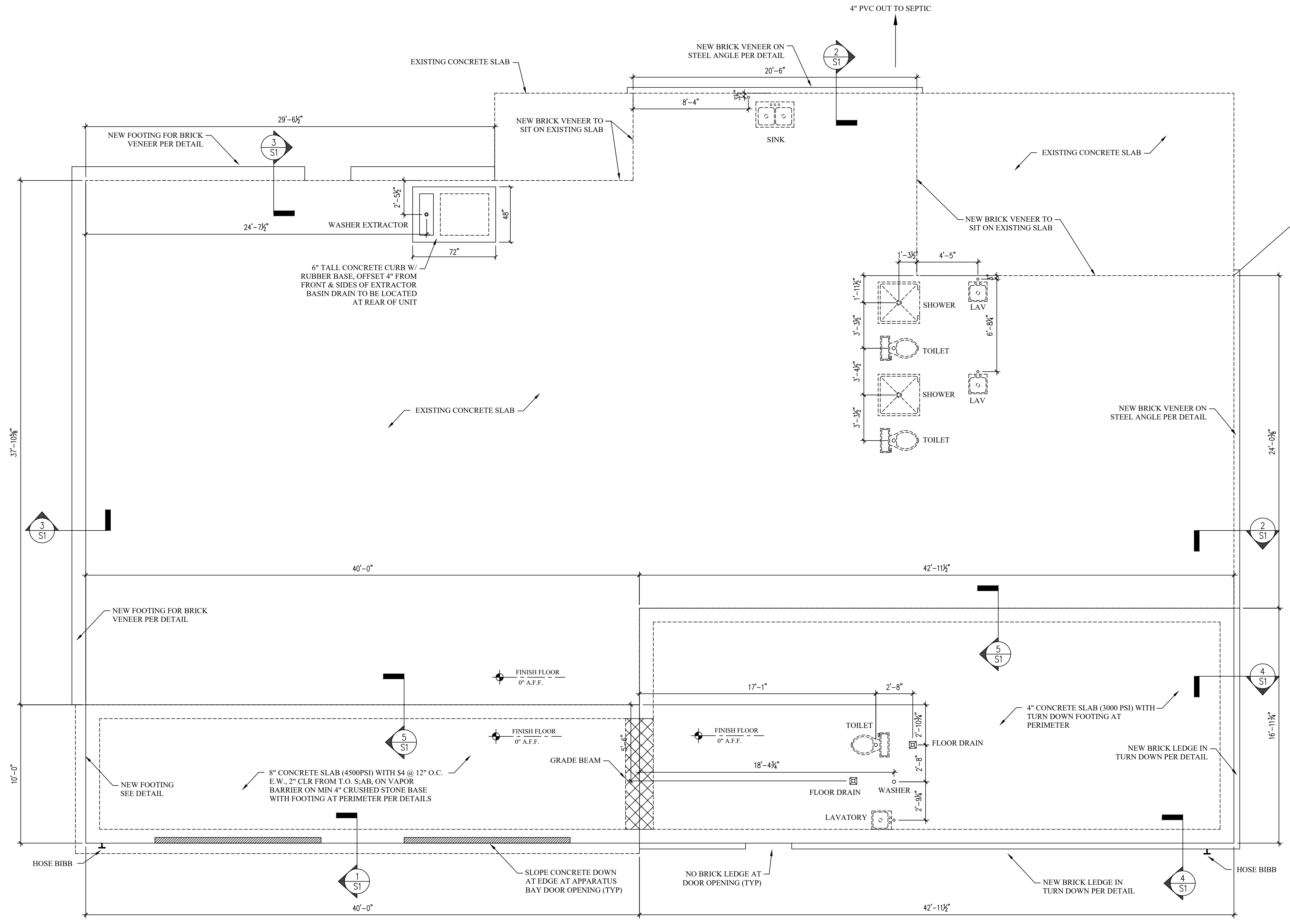
PROVIDE NEW ELECTRIC WATER HEATER AND REWORK CONNECTIONS



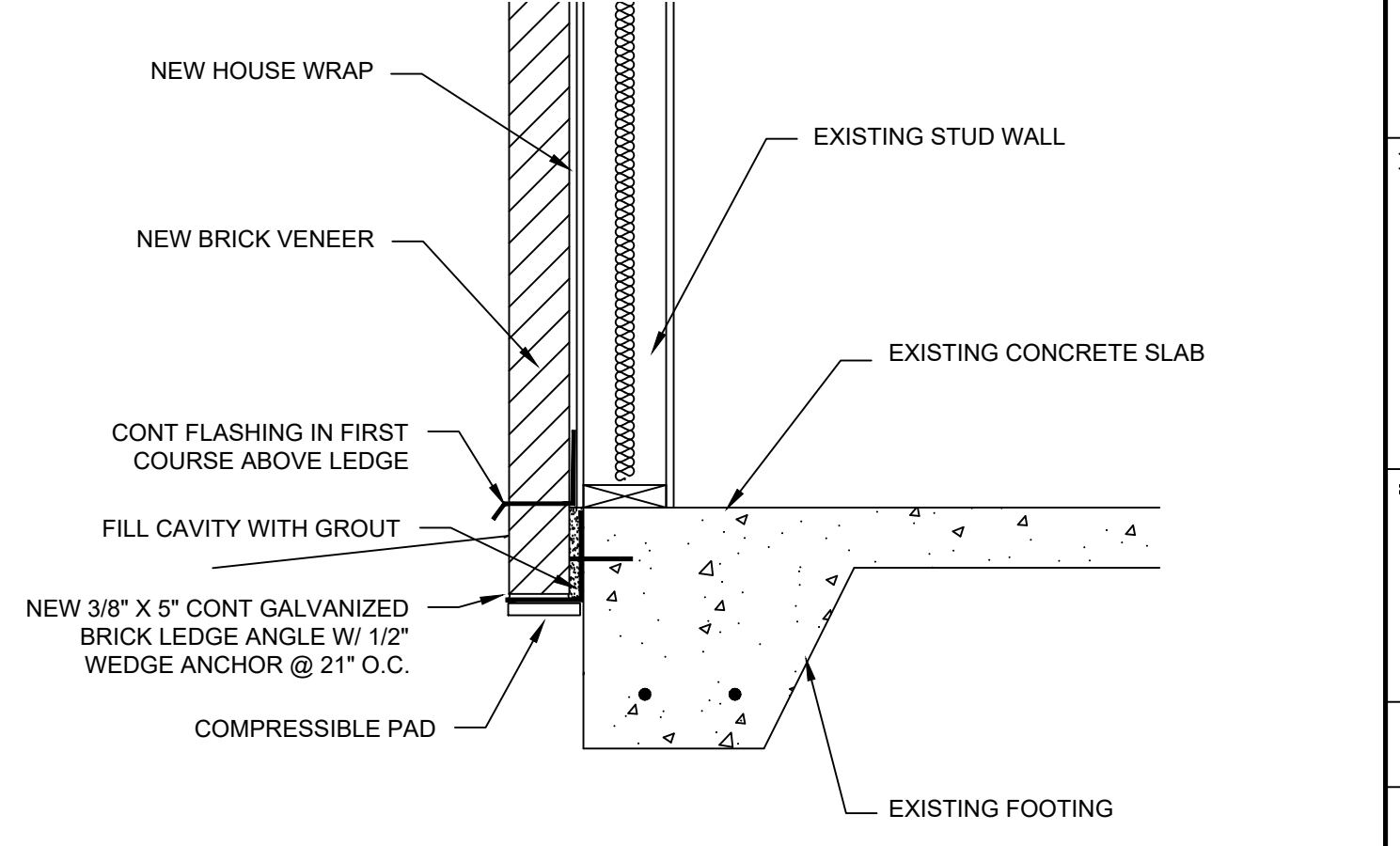
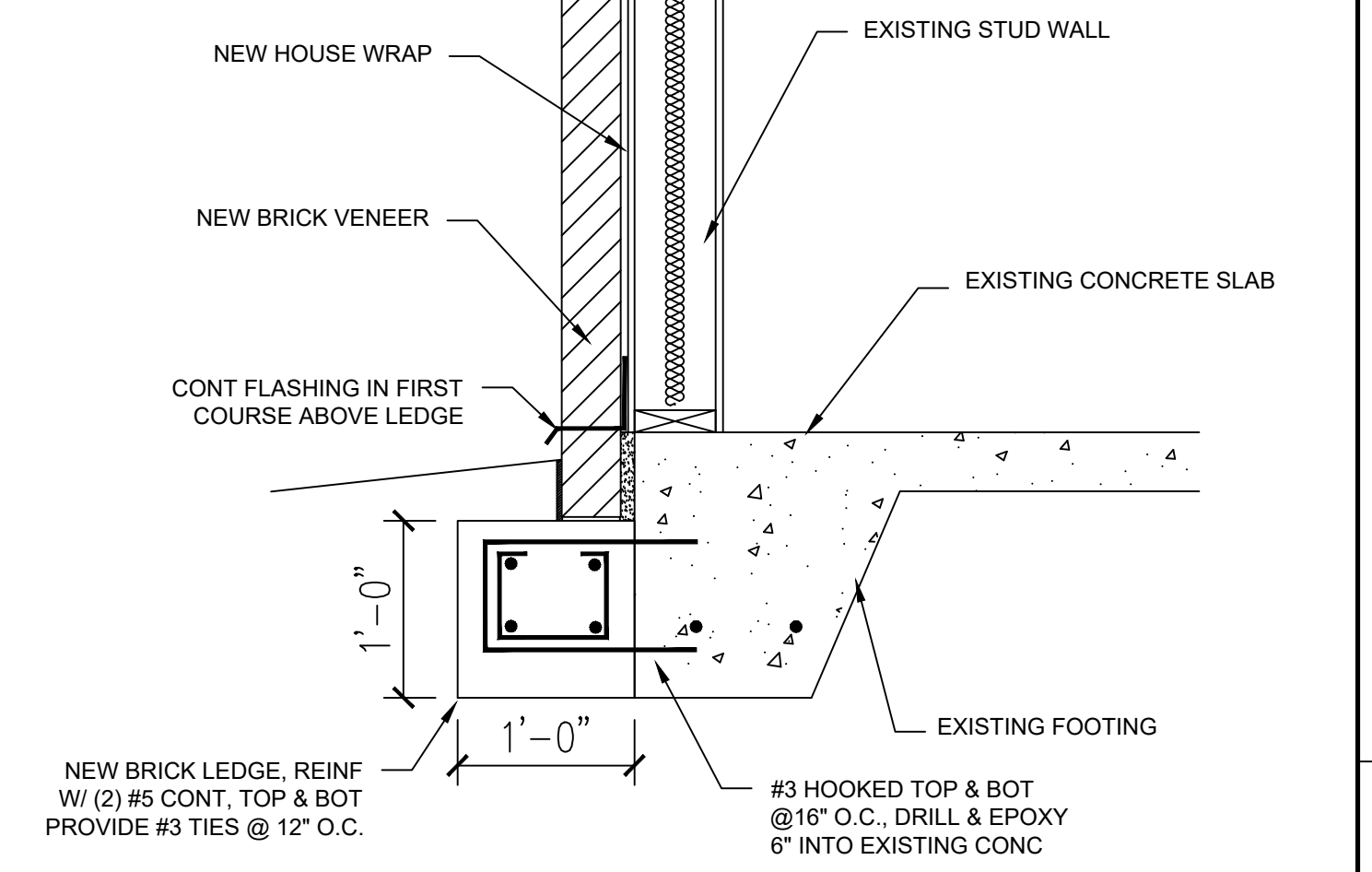
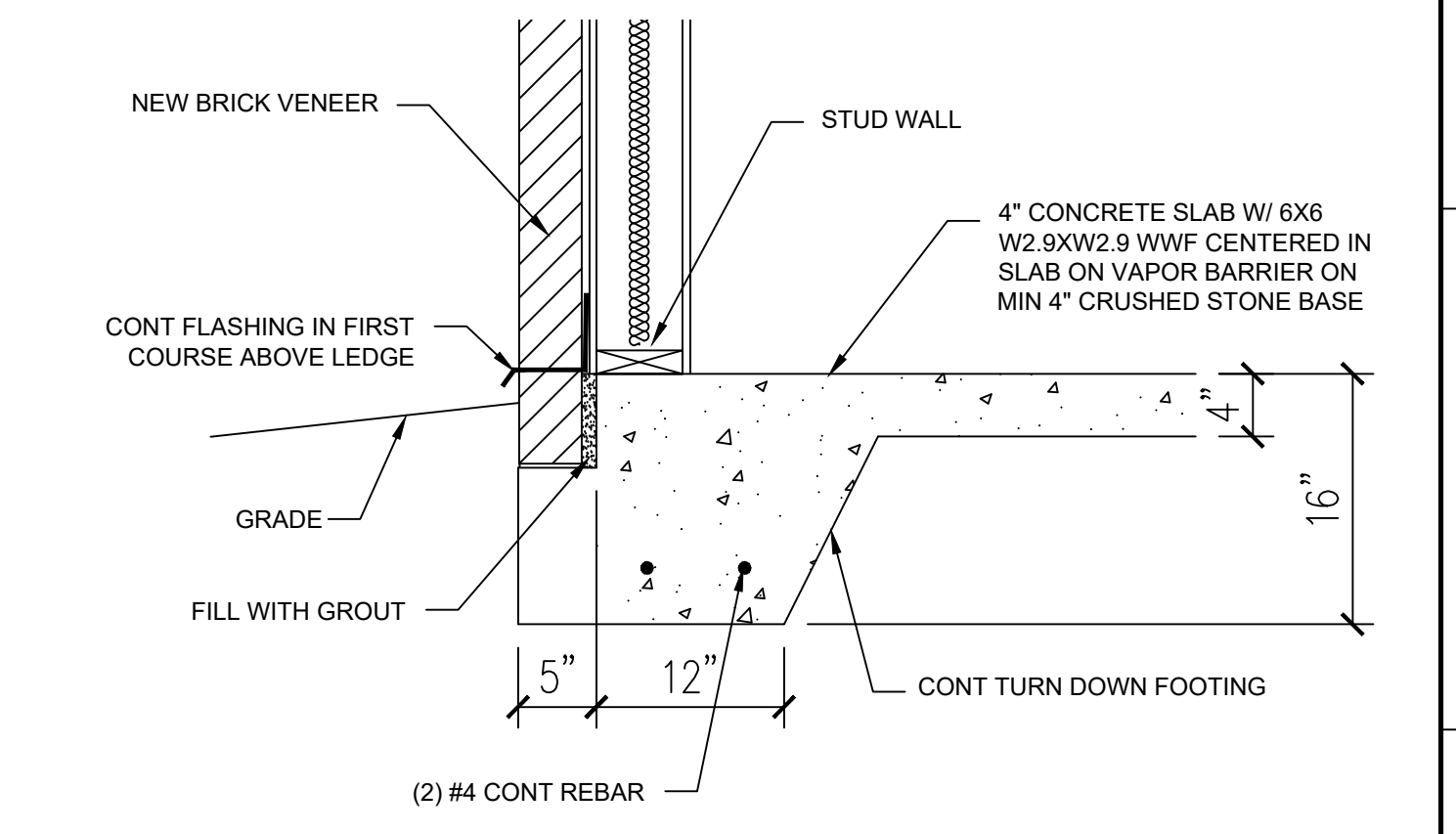
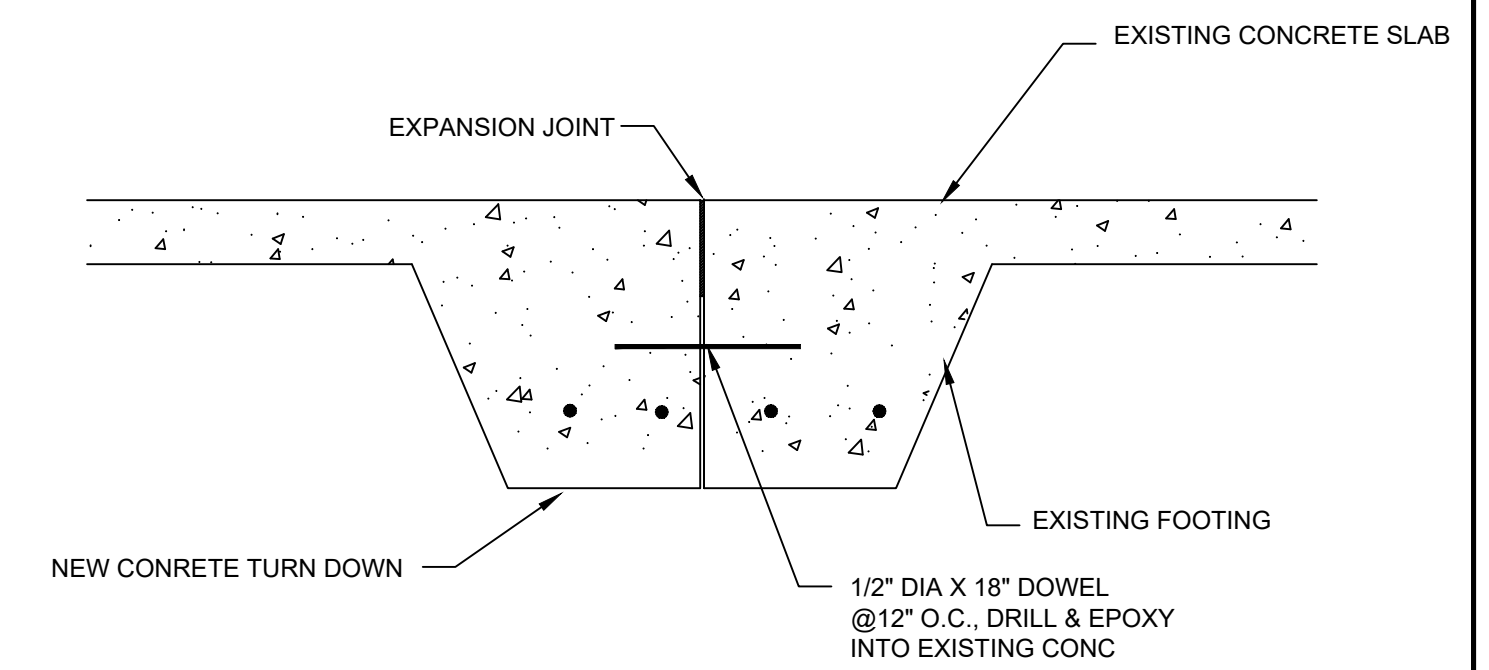
1 PLUMBING PLAN
 SCALE: 1/4" = 1'-0"

FOUNDATION DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. IF SOFT "PUMPING" SOILS ARE ENCOUNTERED OR IF FILL ACTIVITY IS CONDUCTED, A GEOTECHNICAL ENGINEER MUST VERIFY THE COMPACTION AND BEARING CAPACITY OF SOIL POURING CONCRETE.

- PLUMBING ROUGH-IN NOTES:**
1. PLUMBER TO VERIFY ALL DIMENSIONS WITH PLUMBING FIXTURE MANUFACTURER'S SPECS PRIOR TO POURING SLAB
 2. DESIGN BASIS USES THE FOLLOWING DIMENSIONS:
 - 12 1/2" FROM FACE OF STUD TO CENTER OF TOILET DRAIN
 - 15 1/2" FROM FACE OF STUD TO CENTER OF BIDET DRAIN
 - 10 1/2" FROM FACE OF STUD TO CENTER OF FREESTANDING TUB DRAIN
 - 12 1/2" FROM FACE OF STUD TO CENTER OF TUB/SHOWER DRAIN
 - SINK DRAIN CENTERED IN WALL
 3. BASIS OF DESIGN FOR FIXTURES IS KOHLER



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



2 BRICK LEDGE ANGLE DETAIL
SCALE: 1" = 1'-0"

issue date/revisions
A-4/17/24-MI-Section call out mislabeled 1 chngd to 2
B-4/18/24-EDC- Added Extractor & Bedroom Slabs

architect's seal

project name
FIRE STATION #5
2100 W HIGHTOWER TRAIL
CONYERS, GA 30012

sheet title
FOUNDATION PLAN

drawn by
checked by
project no.
date
10/16/2023

S1-1
sheet no.