

# BUILDING ADDITION

## MOUNT CARMEL CITY HALL

### MOUNT CARMEL, ILLINOIS

#### INDEX OF DRAWINGS

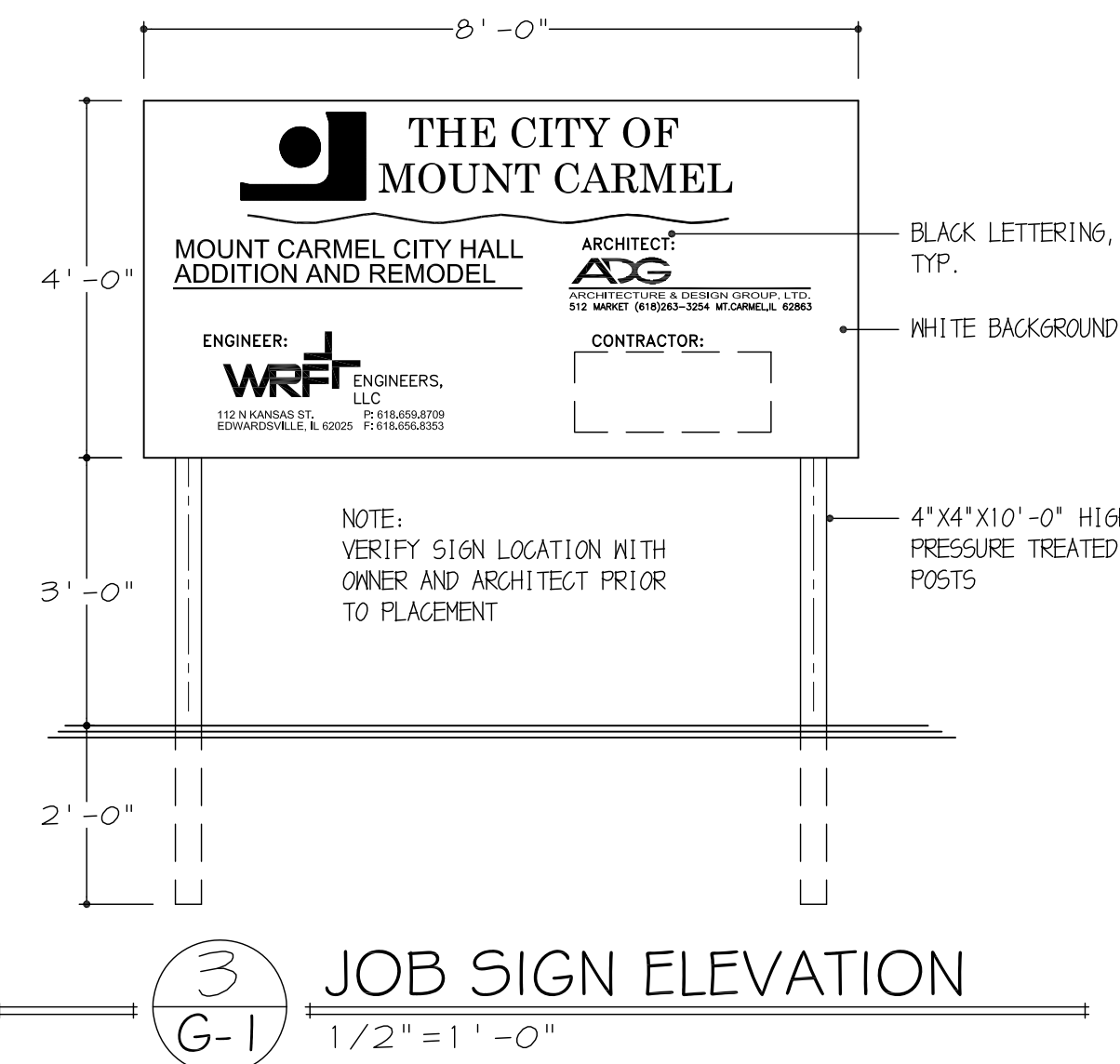
- G-1 COVER SHEET AND LOCATION PLAN
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- A-1 FOUNDATION PLAN AND DETAILS
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#### CODE COMPLIANCE

APPLICABLE CODES  
2009 INTERNATIONAL BUILDING CODE (IBC)  
2008 NATIONAL ELECTRICAL CODE (NEC)  
2004 ILLINOIS PLUMBING CODE  
2000 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 101)  
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

"WITH THIS SEAL, WE DO HEREBY CERTIFY THAT NO ASBESTOS-CONTAINING MATERIALS WERE SPECIFIED OR APPROVED FOR THE CONSTRUCTION IDENTIFIED WITHIN THESE DOCUMENTS."

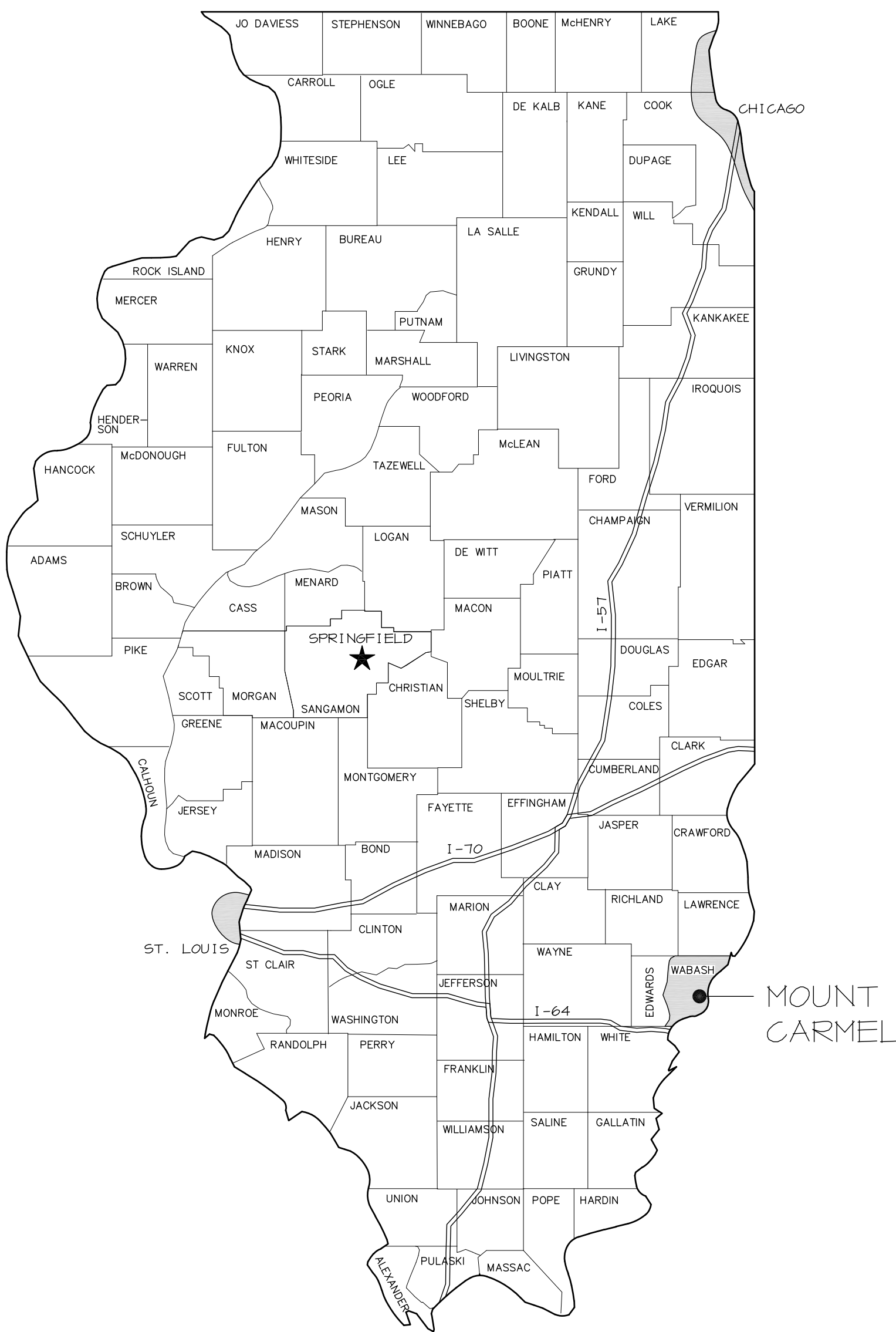
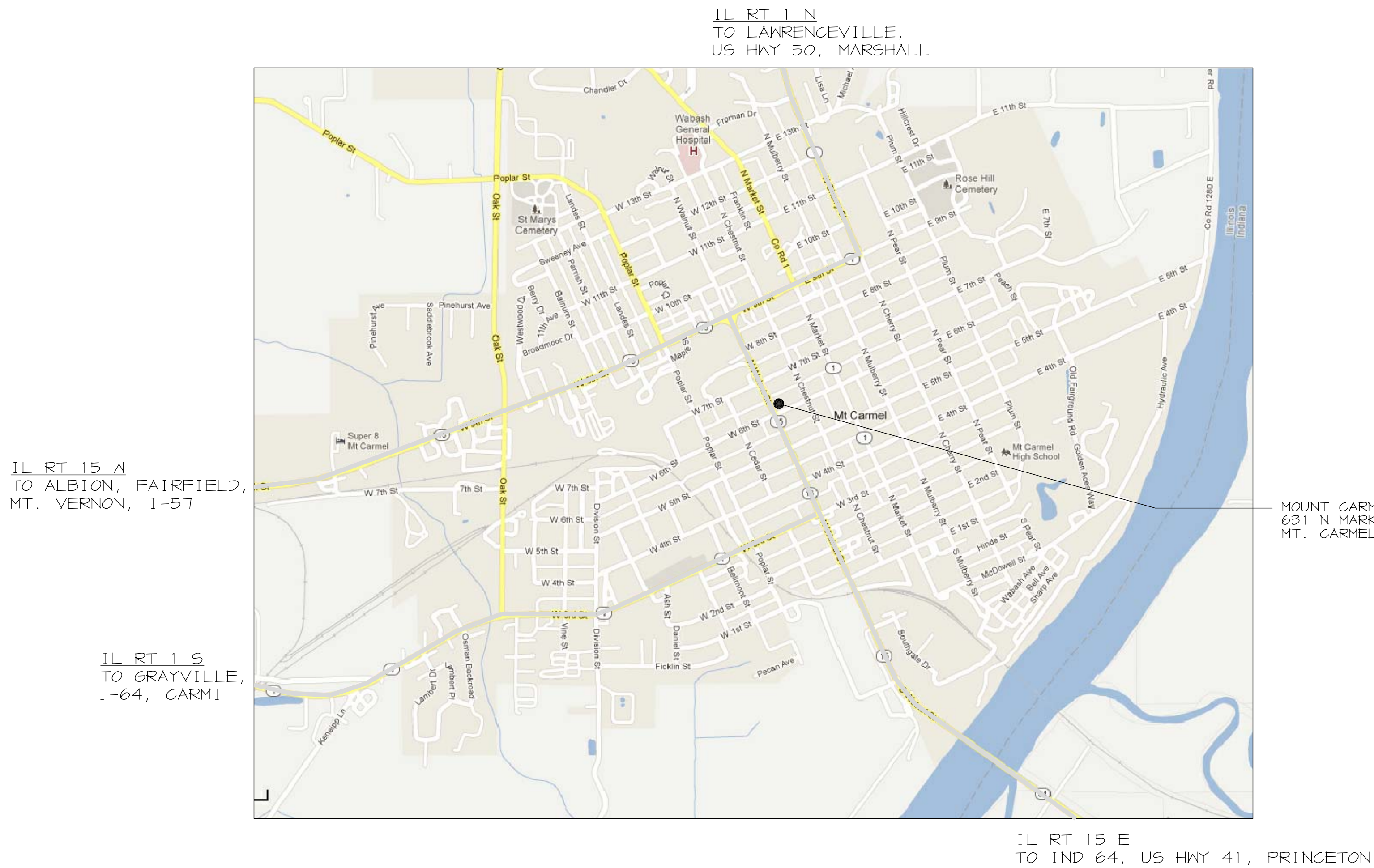
"WHILE IT IS THE INTENT OF THE PROJECT PLANS AND SPECIFICATIONS TO ADHERE TO ALL BUILDING CODES, IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND SUBCONTRACTORS TO PROVIDE AND INSTALL ALL MATERIALS, EQUIPMENT, FURNISHINGS AND COMPONENTS IN COMPLIANCE WITH APPLICABLE BUILDING, PLUMBING, MECHANICAL, ELECTRICAL, LIFE SAFETY AND ACCESSIBILITY CODES, RULES AND REGULATIONS."



1  
G-1  
AREA PLAN  
NO SCALE

2  
G-1  
STATE PLAN  
NO SCALE

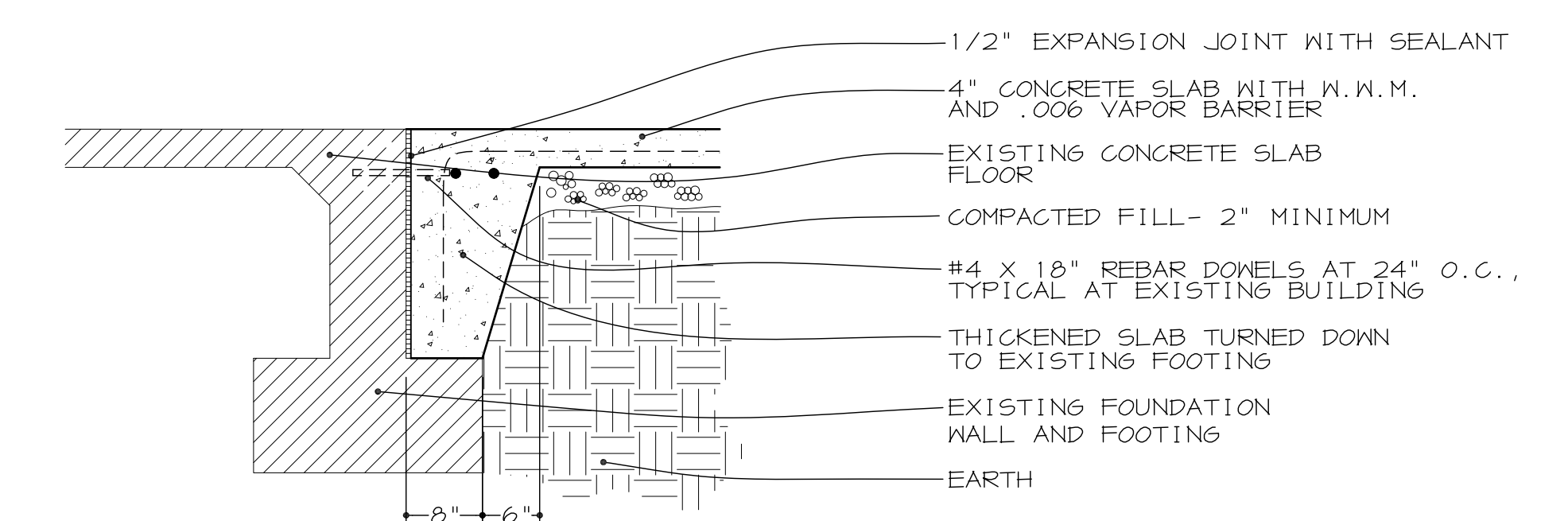
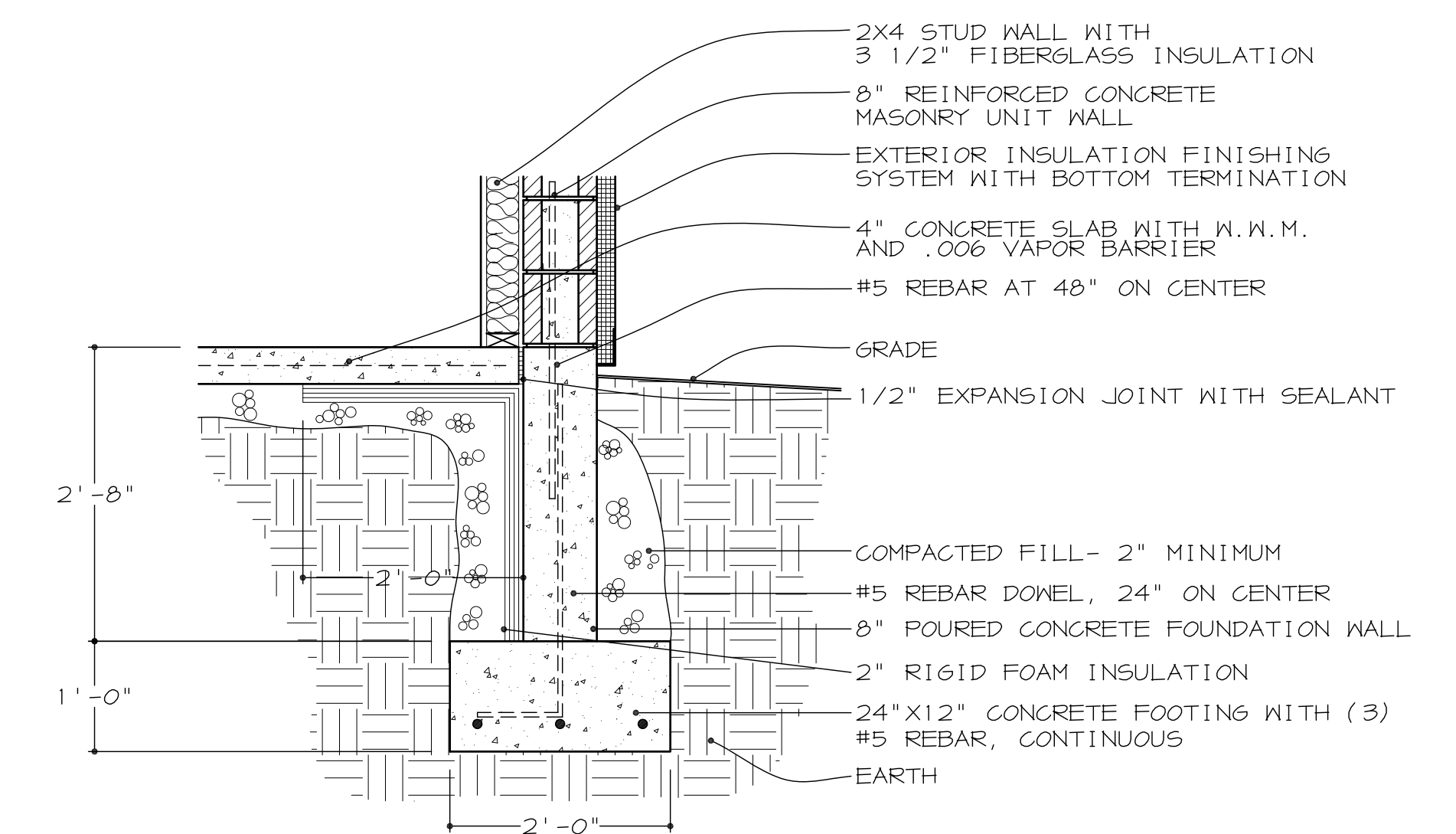
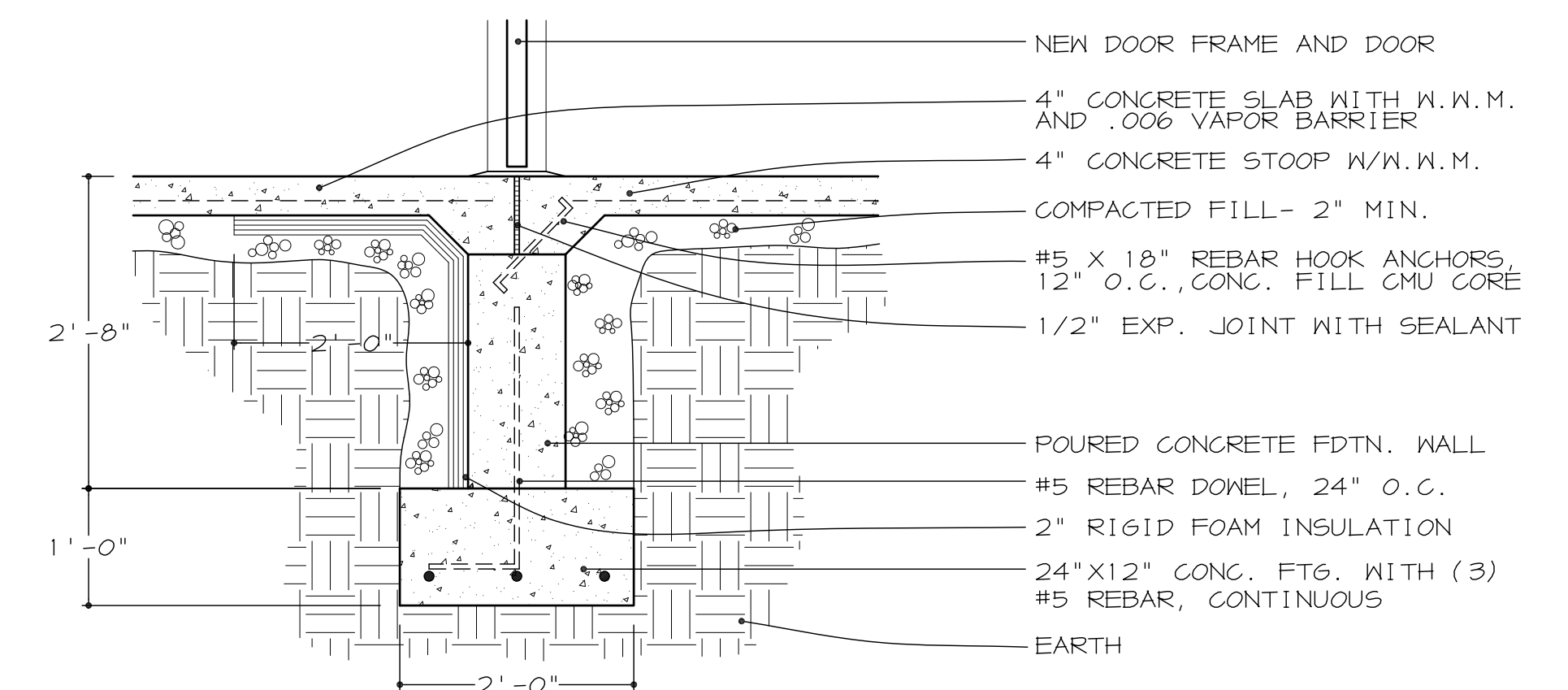
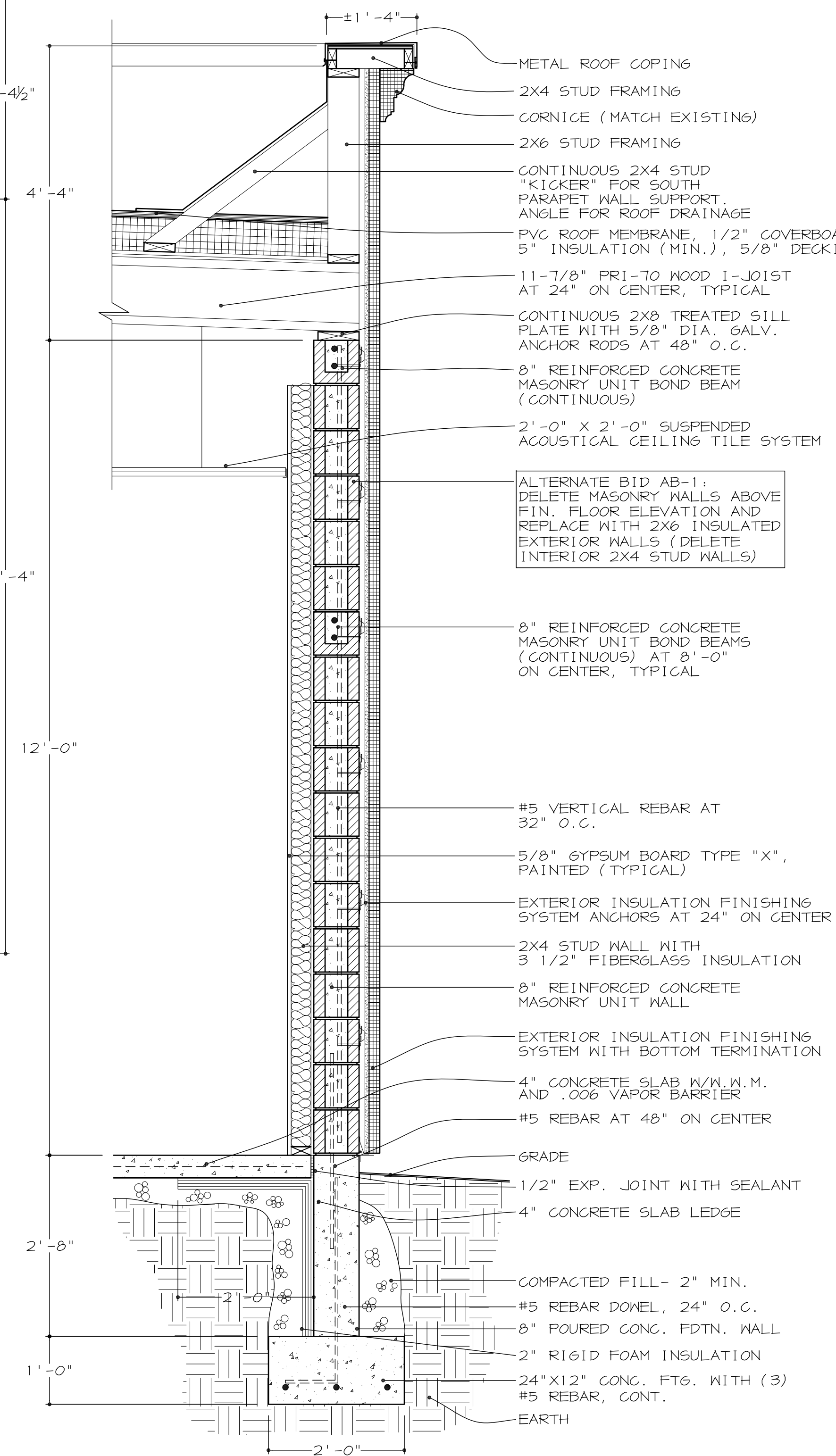
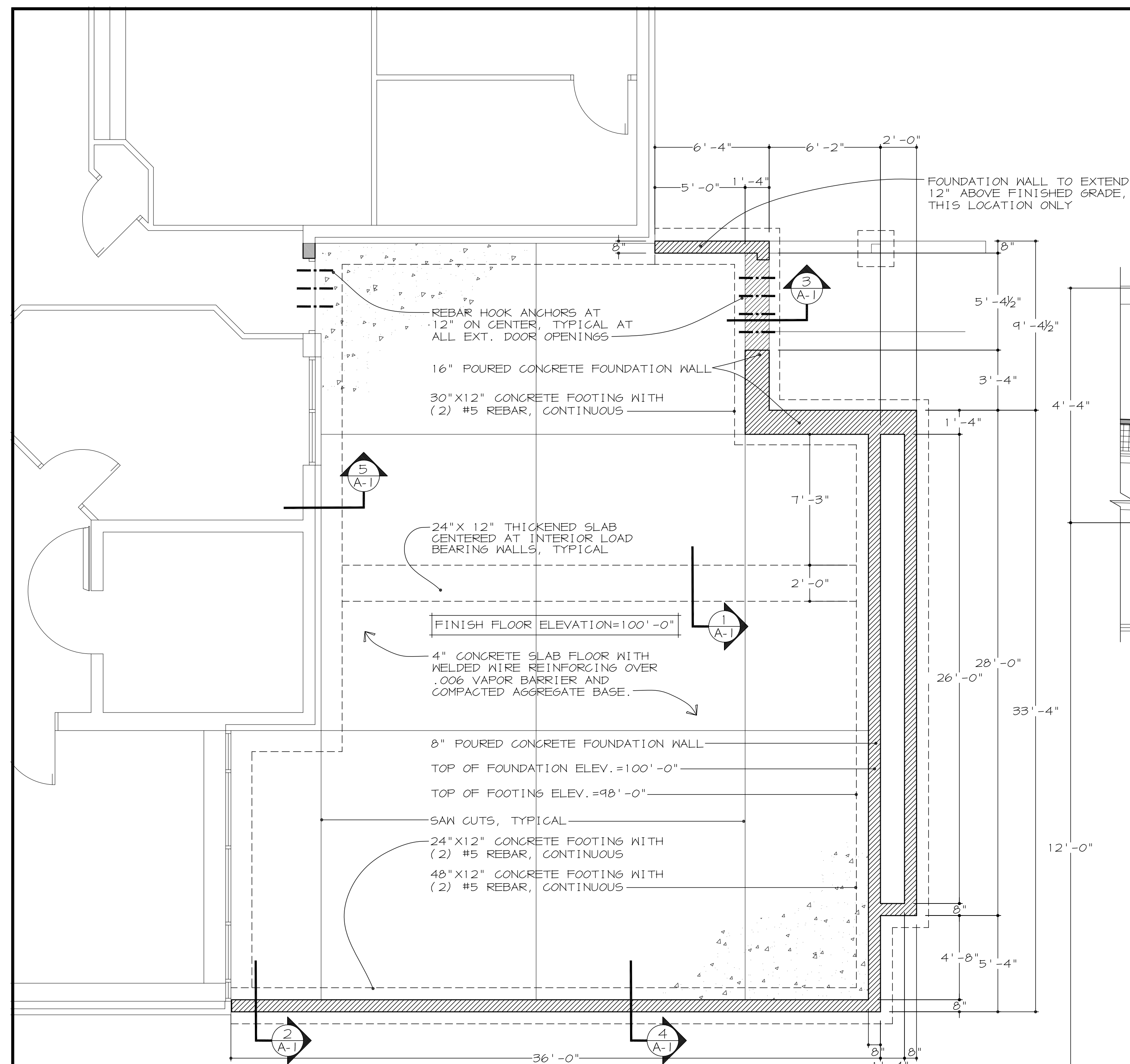
3  
G-1  
JOB SIGN ELEVATION  
1/2" = 1'-0"



SIGNATURE  
DATE 02/28/20  
EXPIRES 11/30/20

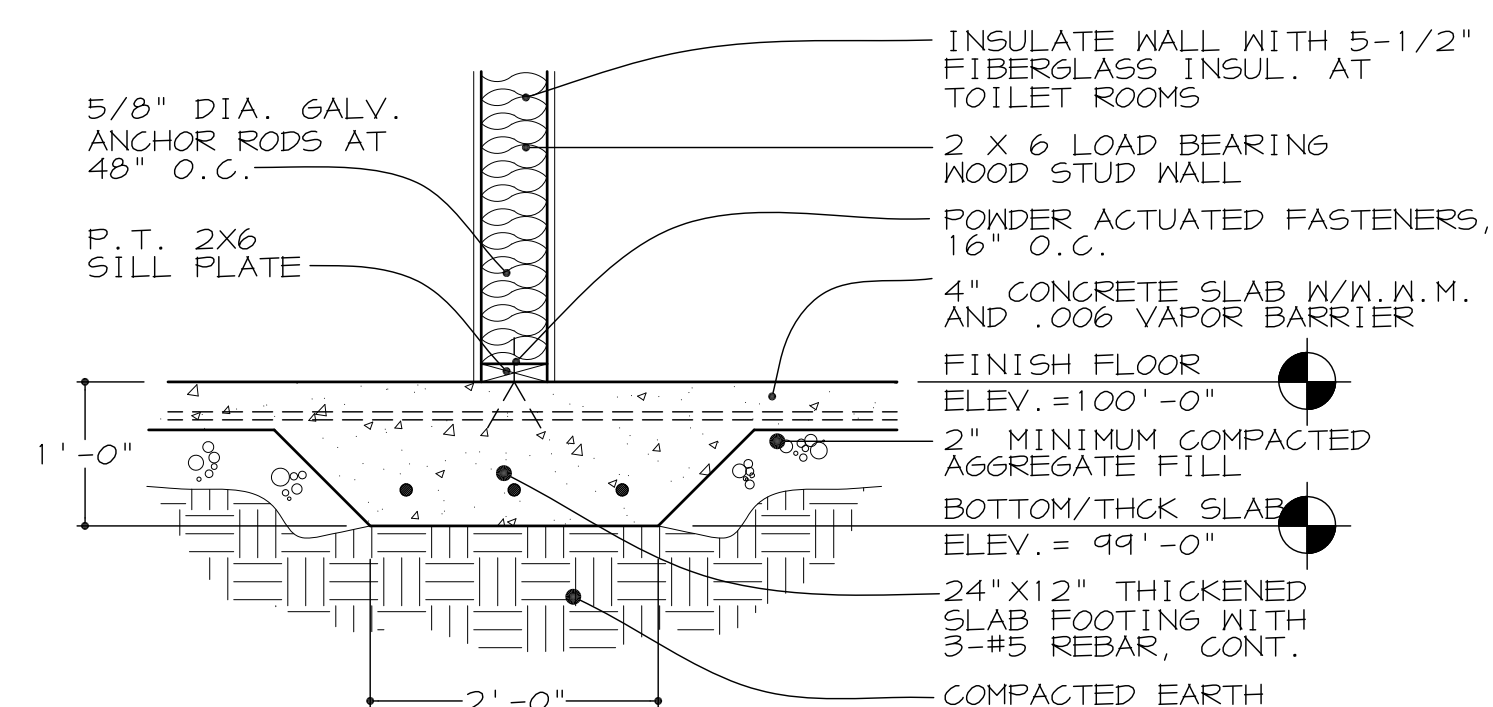
<b>ADG</b> ARCHITECTURE & DESIGN GROUP, LTD. 512 MARKET (618)263-3254 MT.CARMEL,IL 62863	
MOUNT CARMEL CITY HALL ADDITION MT. CARMEL, ILLINOIS	
SHEET OF G-1	DATE 02/28/20 BY JMW REV





- ## GENERAL NOTES

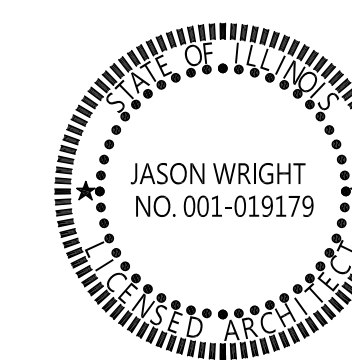
1. ALL EXTERIOR FOUNDATION WALLS ARE DRAIN AT 8" AND 16" (NOTED ON PLAN).
2. GENERAL CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND LAYOUT WITH SITE PLAN PRIOR TO STARTING CONSTRUCTION.
3. ALL EXTERIOR FOUNDATION WALLS ARE TO RECEIVE 2" RIGID FOAM INSULATION AT INSIDE VERTICAL WALL OF FOUNDATION AND 24" AT PERIMETER OF BUILDING.
4. SAW-CUT CONTROL JOINTS TO BE 3/16" WIDTH, CUT TO 1/3 CONCRETE THICKNESS, MINIMUM.
5. CONTRACTOR CAN USE REINFORCED CONCRETE MONORAIL JOINTS IN LIEU OF A FLOURED CONCRETE FOUNDATION WALL. TYPICAL. CMU BELOW GRADE SHALL BE GROUTED SOLID.




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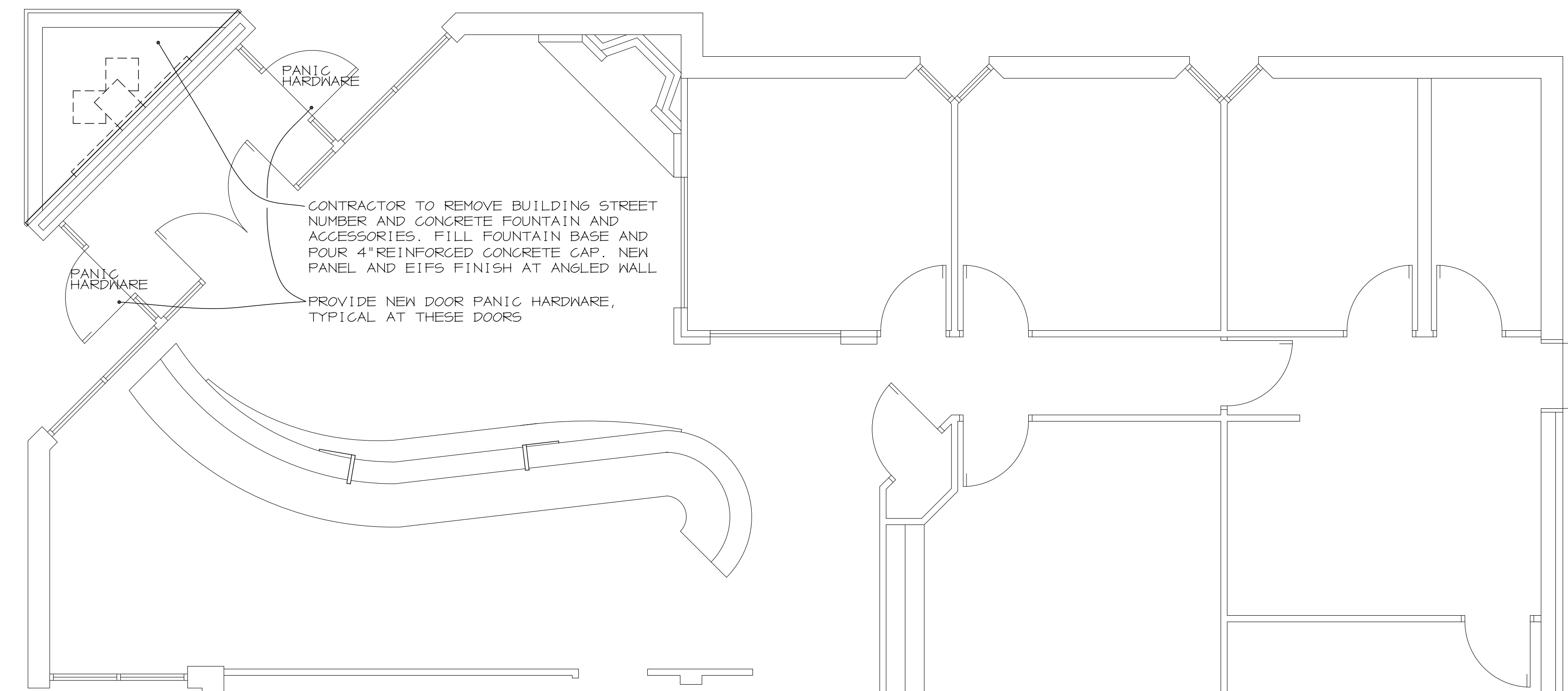
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OF		BY	JMW
		REV	



  
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02/28/20  
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11/30/20  
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GENERAL NOTES

- A. DO NOT SCALE DRAWING. CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS AS SHOWN. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE GENERAL CONTRACTOR. IF DISCREPANCIES ARE FOUND, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE STARTING THE WORK.
- B. ANY WORK INSTALLED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR EXPENSE AND AT NO ADDITIONAL EXPENSE TO THE OWNER.
- C. THE CONTRACTOR SHALL MAINTAIN SAFE METHODS OF EGRESS DURING CONSTRUCTION.
- D. ALL INFORMATION REGARDING EXISTING CONDITIONS IS BASED UPON OWNER-SUPPLIED DOCUMENTS AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND UPON DISCOVERY OF UNKNOWN CONDITIONS DETRIMENTAL TO THE COMPLETION OF THE WORK AS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN THAT AREA.
- E. ALL INTERIOR WALLS ARE DRAWN AT 3/4", UNLESS NOTED OTHERWISE; WITH 5/8" TYPE 'X' DRYWALL, PAINTED. SEE PLAN FOR PLUMBING WALL LOCATIONS.
- F. ALL INTERIOR STUD WALLS ARE TO RECEIVE FIBERGLASS INSULATION TO TOP OF WALL.
- G. DOORS NOT CENTERLINED ARE TO BE CENTERED WITHIN THE OPENING OR ARE TO BE POSITIONED 6" MINIMUM FROM THE NEAREST ADJACENT WALL.
- H. PROVIDE ACCESSIBLE BUILDING SIGNAGE. SEE ENLARGED DETAILS SHEET A-3. VERIFY SIGNAGE COLOR WITH OWNER PRIOR TO ORDERING.
- I. SEE SHEET A-3 FOR TYPICAL TOILET ROOM MOUNTING HEIGHTS, ACCESSORIES AND DETAILS.
- J. FIRE EXTINGUISHER'S ARE LOCATED ON THE FLOOR PLAN AND ARE LABELED. SEE SHEET A-3 FOR DETAILS.
- K. ALL UTILITY LINES SHALL BE ENCLOSED IN FLOOR, WALL OR CEILING CONSTRUCTION AS REQUIRED UNLESS OTHERWISE NOTED.
- L. PROVIDE ANY REQUIRED ACCESS PANELS FOR PLUMBING, MECHANICAL OR ELECTRICAL INSTALLATION.

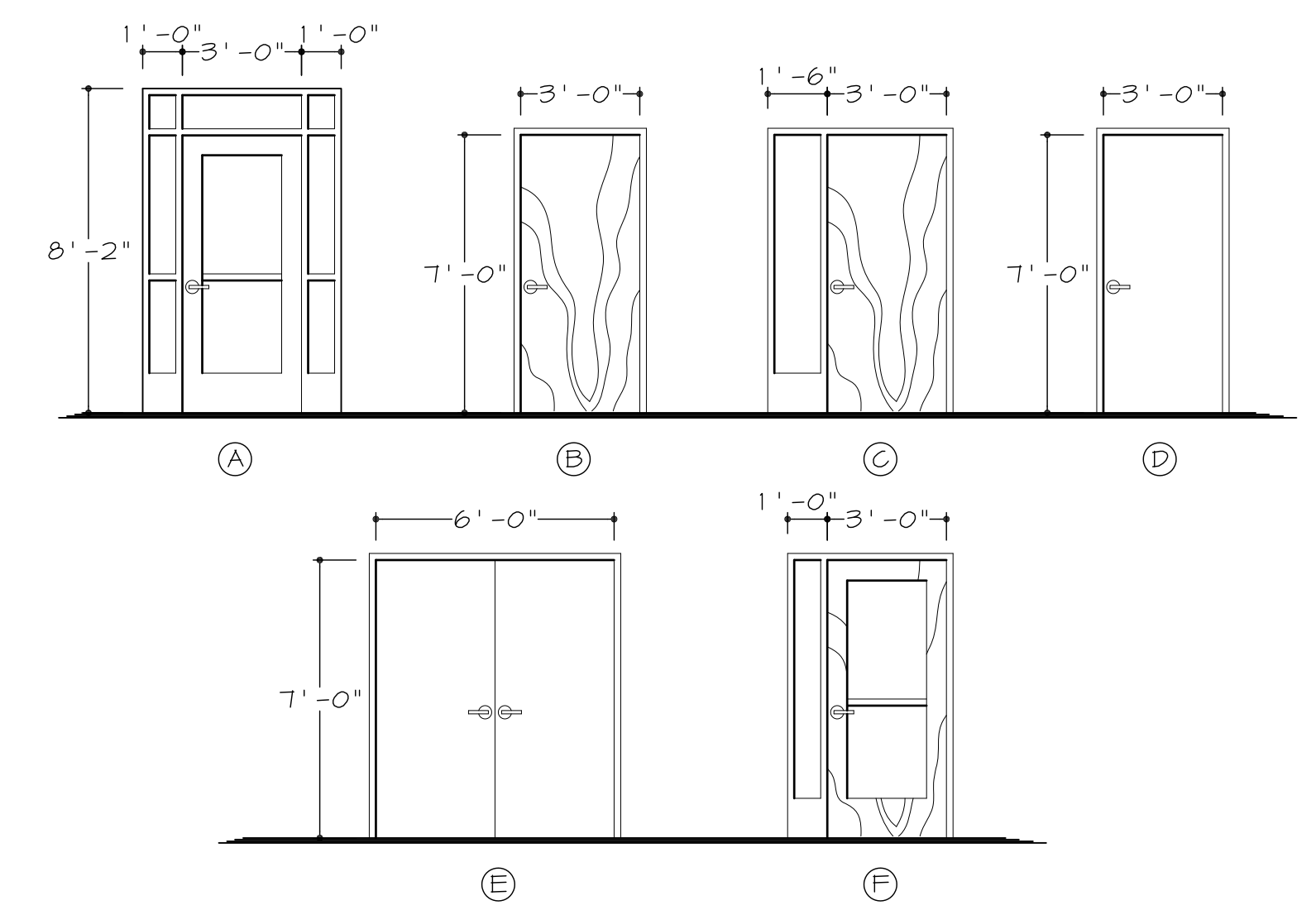
ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR		WALLS/BASE		CEILING/HT.	
		VINYL FLAK FLOORING	SEAL CONCRETE	5/8" 6P BR/PANED WOOD	5/8" 6P BR/ROCKER	5/8" 6P BR/ROCKERS	2'X2' W.O.B.S. 5/8" 5/8" 0.6/9'-0"
101	CORRIDOR	•	•	•	•	•	•
102	WOMEN'S	•	•	•	•	•	•
103	MEN'S	•	•	•	•	•	•
104	COUNCIL	•	•	•	•	•	•
105	MECHANICAL	•	•	•	•	•	•
106	STORAGE	•	•	•	•	•	•

NOTE: ALL GYPSUM BOARD TO BE 5/8" TYPE 'X'

DOOR AND DOOR FRAME SCHEDULE

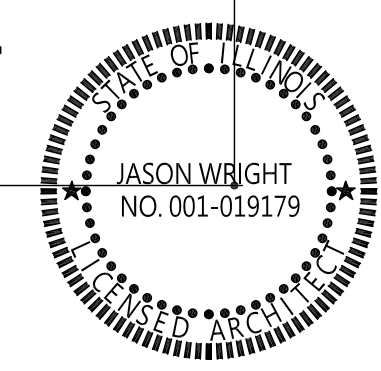
MARK	ELEV. 1/A-2	HWDR SET	DOOR SIZE	DOOR MATL	DOOR FINISH	FRAME MATL	FRAME FINISH	LOCATION	REMARKS
①	A	1	3'0" X 7'0" X 1 3/4"	INSUL METAL	PAINT	INSUL METAL	PAINT	EMPLOYEE ENTRANCE	SIDELITE/TRANSOM
②	B	2	3'0" X 7'0" X 1 3/4"	WOOD	STAIN	NO METAL	PAINT	TOILET	
③	B	2	3'0" X 7'0" X 1 3/4"	WOOD	STAIN	NO METAL	PAINT	TOILET	
④	C	3	3'0" X 7'0" X 1 3/4"	WOOD	STAIN	NO METAL	PAINT	COUNCIL	SIDELITE
⑤	D	4	3'0" X 7'0" X 1 3/4"	METAL	PAINT	NO METAL	PAINT	MECH.	60 MIN. RATED
⑥	E	5	6'0" X 7'0" X 1 3/4"	WOOD	STAIN	NO METAL	PAINT	STORAGE	
⑦	F	6	3'0" X 7'0" X 1 3/4"	WOOD	STAIN	NO METAL	PAINT	CORRIDOR	SIDELITE



DOOR ELEVATIONS  
1/4" = 1' - 0"

ALTERNATE BID AB-1:  
DELETE MASONRY WALLS ABOVE FIN. FLOOR ELEVATION AND REPLAGE WITH 2X6 INSULATED EXTERIOR WALLS (DELETE INTERIOR 2X4 STUD WALLS)

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



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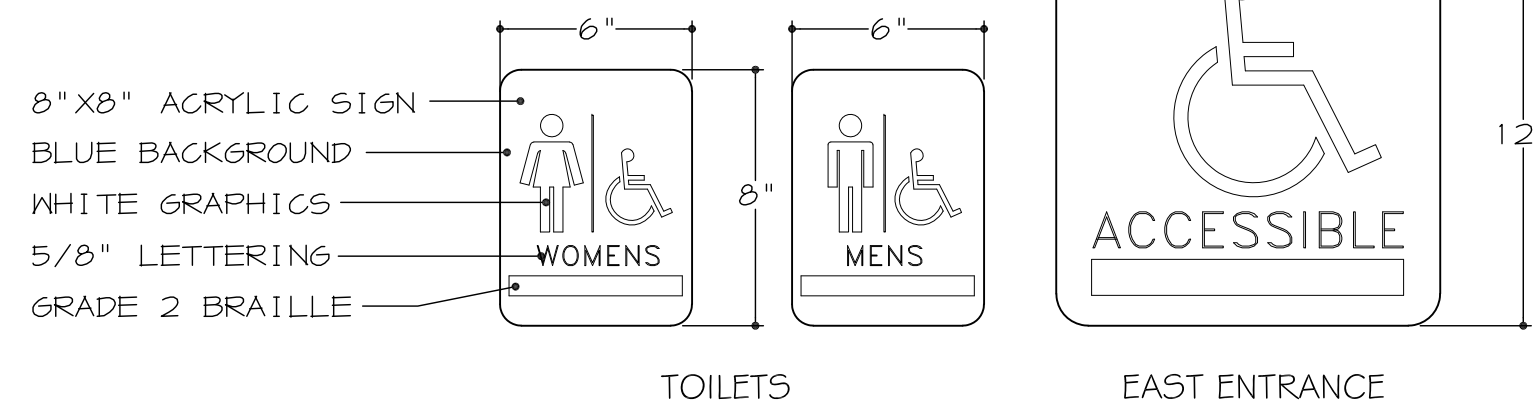
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BUILDING SIGNAGE NOTES:

ALL SIGNAGE IS TO BE PLACED 60" ABOVE FINISHED FLOOR TO CENTER-LINE OF SIGN.

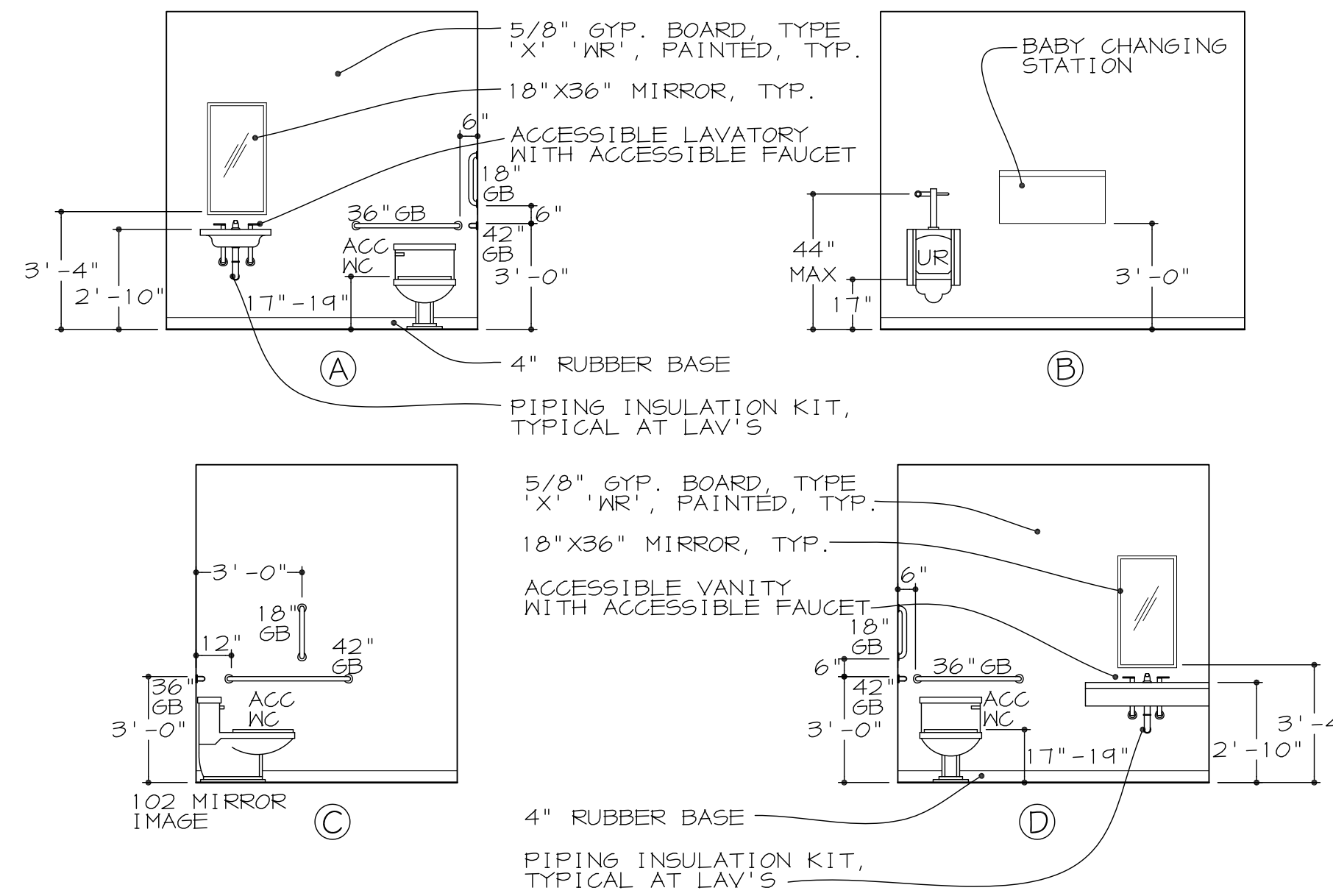
MOUNT SIGNS ON LATCH SIDE OF APPROPRIATE DOORS WHEN POSSIBLE. ROOM DOORS WITH NO ADJACENT WALL SHALL HAVE SIGN PLACED ON HINGE SIDE OF DOOR.

ALL SYMBOLS AND LETTERS ARE TO BE TACTILE

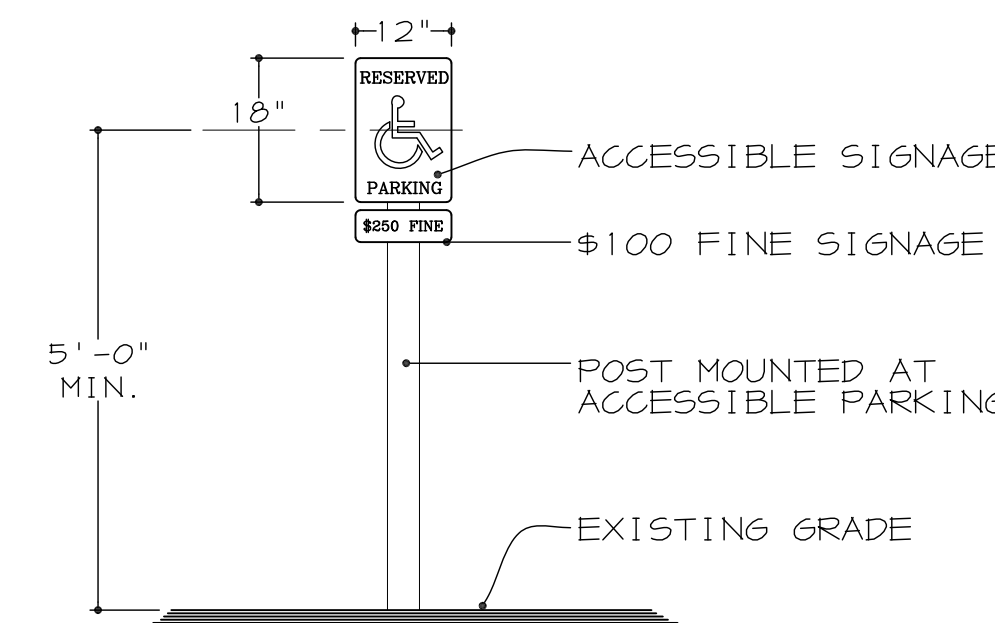


1 ACCESSIBLE SIGNAGE  
2"=1'-0"

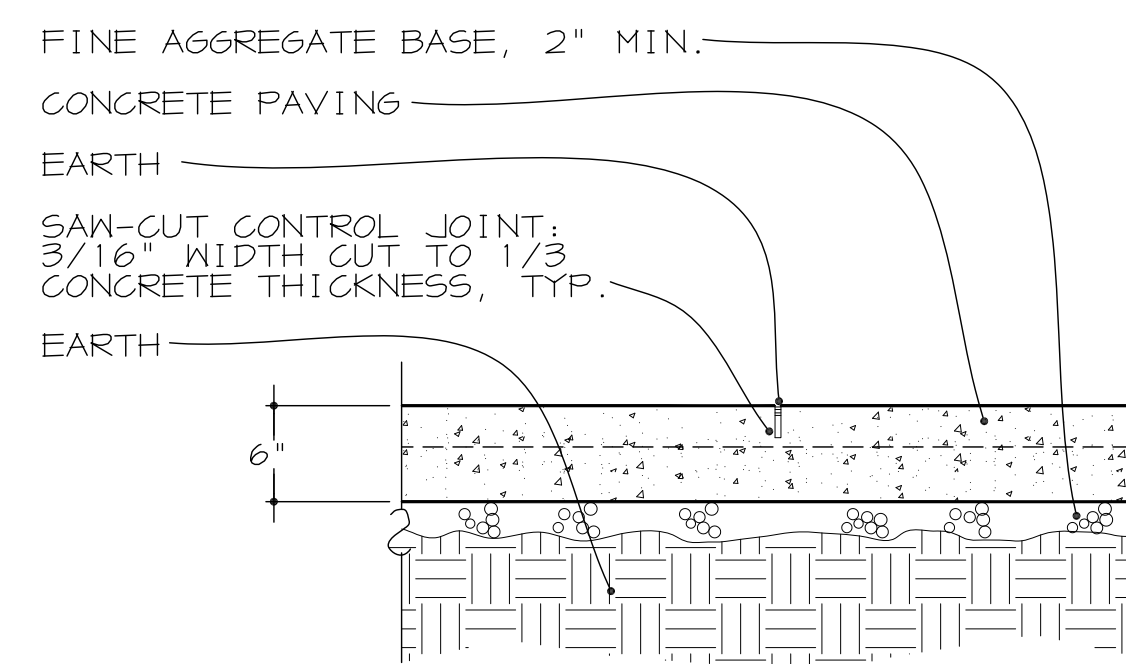
LEGEND	
	SUPPLY DIFFUSER
	RETURN DIFFUSER
	24" X 24" LED LIGHT FIXTURE
	SURFACE MOUNTED LED LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	EXHAUST FAN
	EXIT LIGHTING



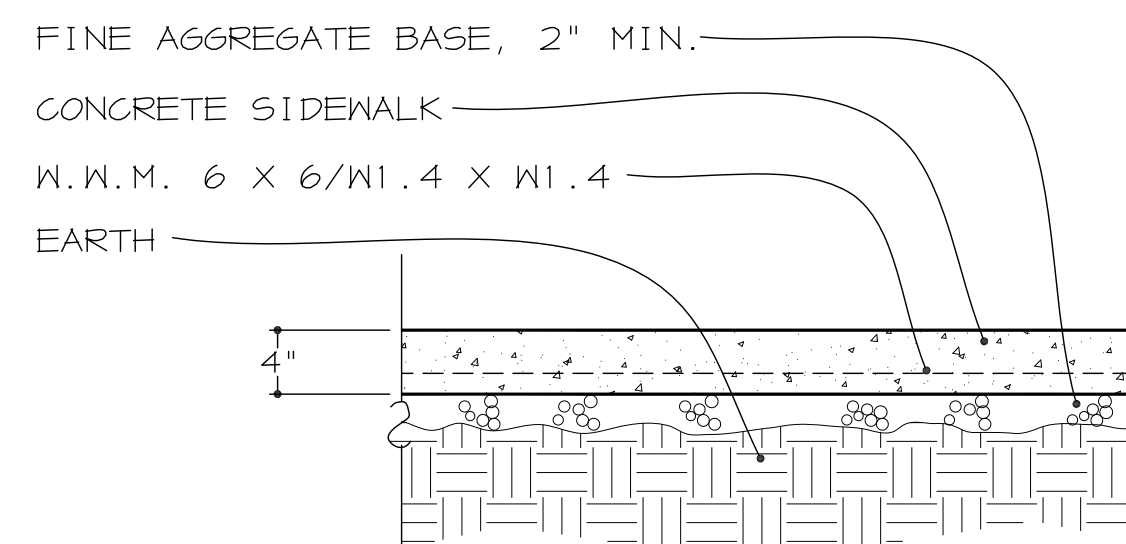
2 WALL ELEVATIONS  
1/4"=1'-0" TOILET 102/103



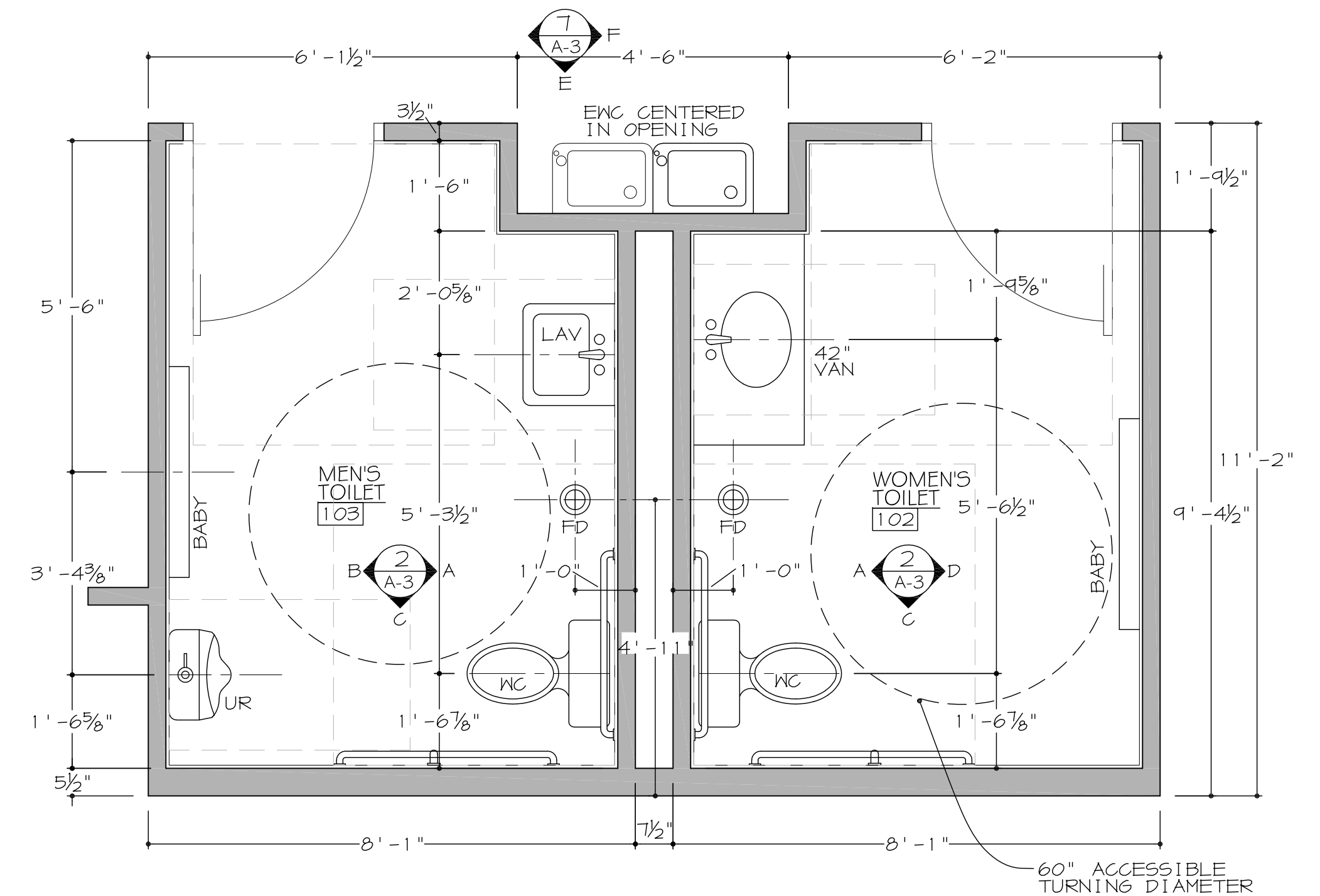
3 ELEVATION  
1/2"=1'-0" ACC. PARKING SIGNAGE



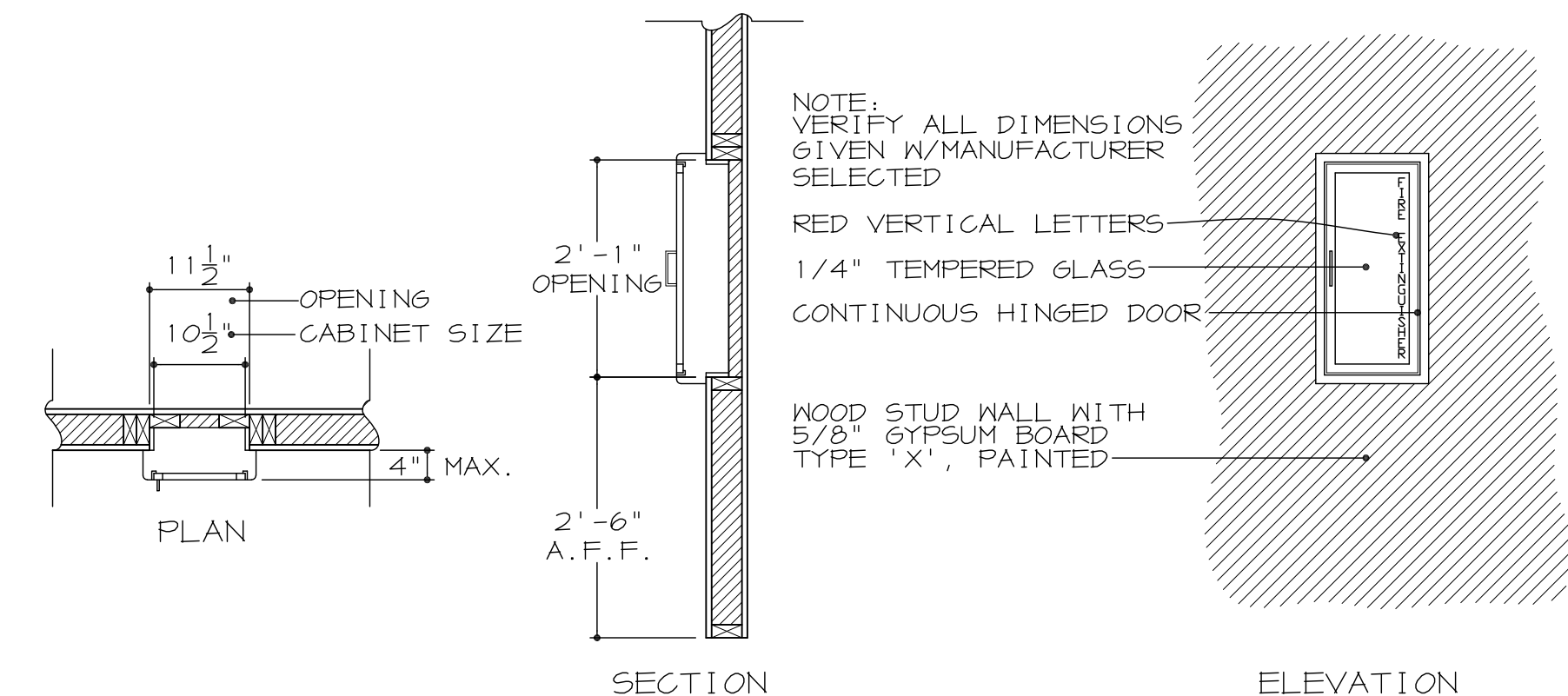
4 DETAIL  
1"=1'-0" TYP. CONTROL JOINT



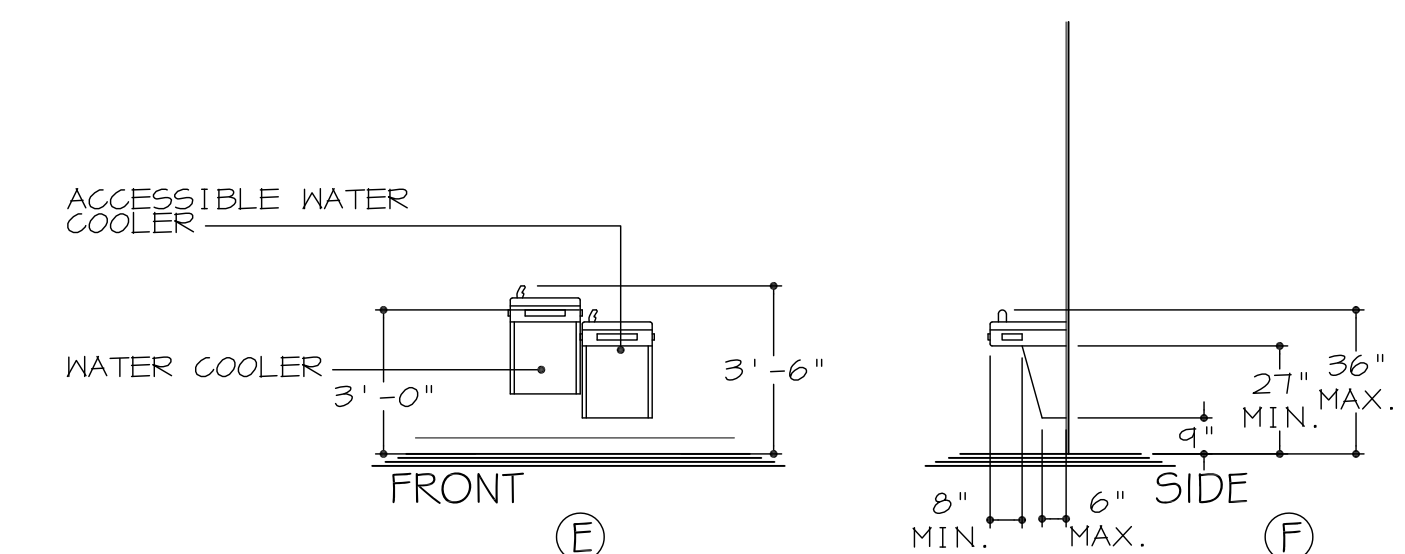
5 DETAIL  
1"=1'-0" CONCRETE SIDEWALK/SLOOP



ENLARGED PLAN  
1/2"=1'-0" TOILET



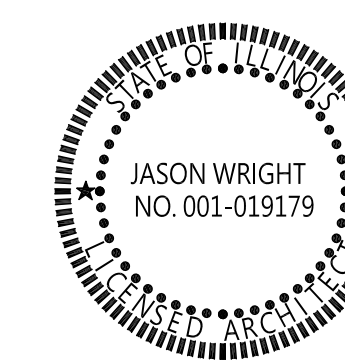
6 DETAILS  
3/4"=1'-0" FIRE EXTINGUISHERS



7 WALL ELEVATIONS  
1/4"=1'-0" ELECTRIC WATER COOLER



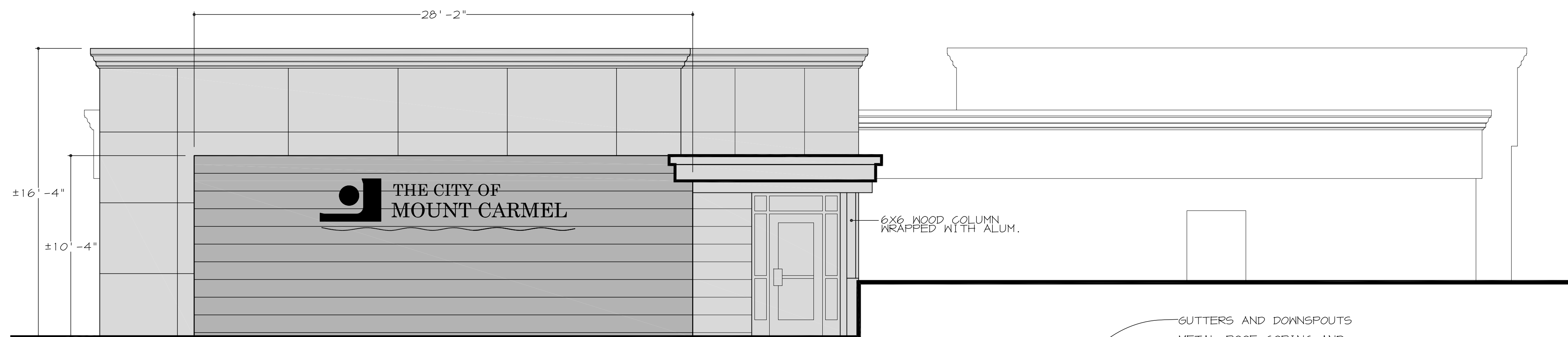
REFLECTED CEILING PLAN  
1/4"=1'-0"



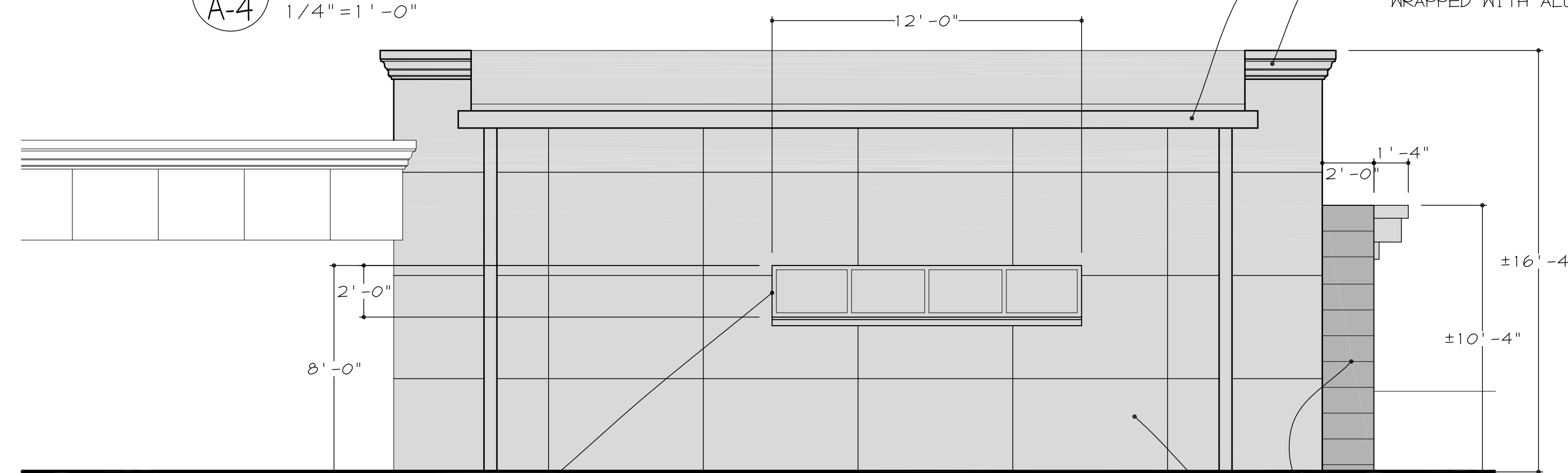
Jason Wright AIA  
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02/28/20  
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11/30/20  
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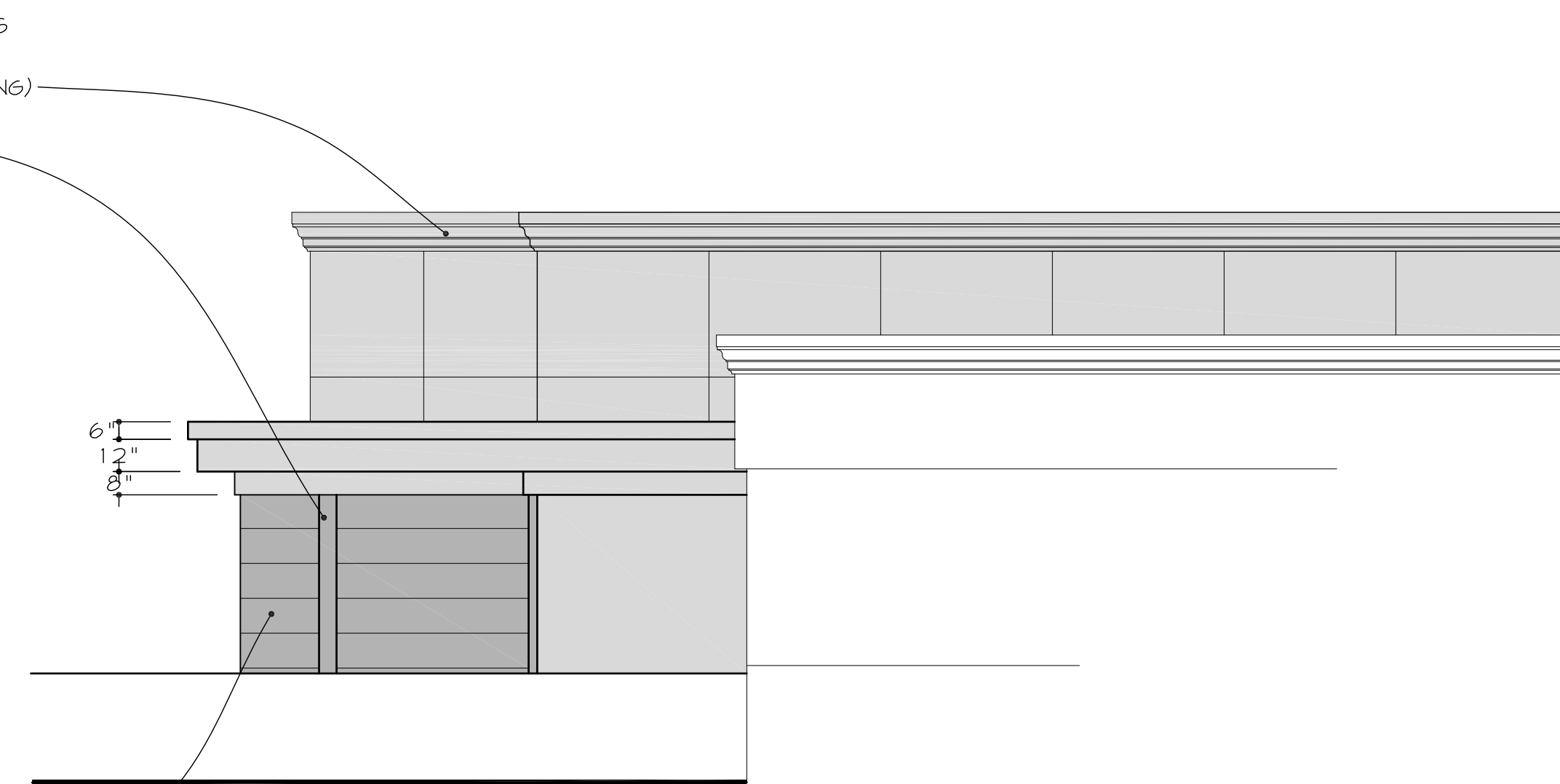
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		BY	JMW
		REV	



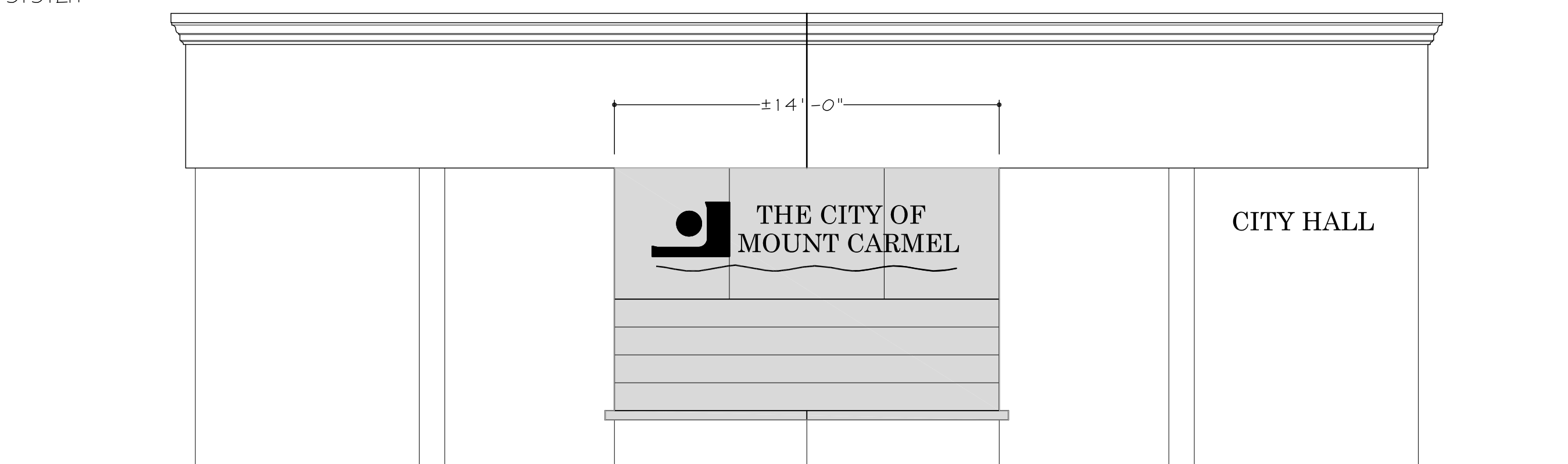
1 EAST ELEVATION  
A-4 1/4" = 1' - 0"



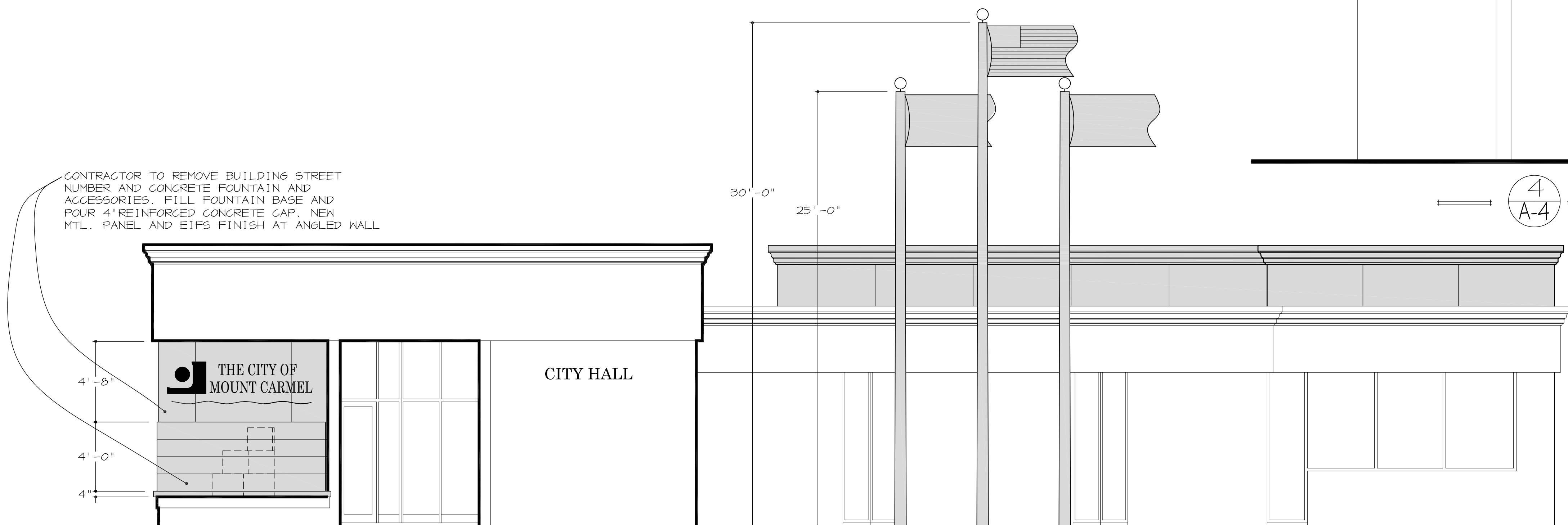
2 SOUTH ELEVATION  
A-4 1/4" = 1' - 0"



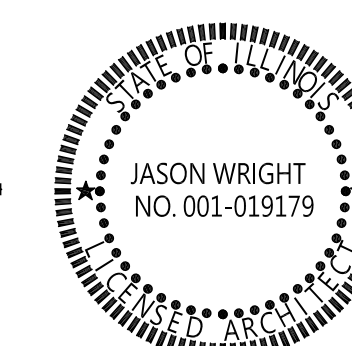
3 NORTH ELEVATION  
A-4 1/4" = 1' - 0"



4 NORTHWEST ELEVATION  
A-4 1/4" = 1' - 0"



5 WEST ELEVATION  
A-4 1/4" = 1' - 0"



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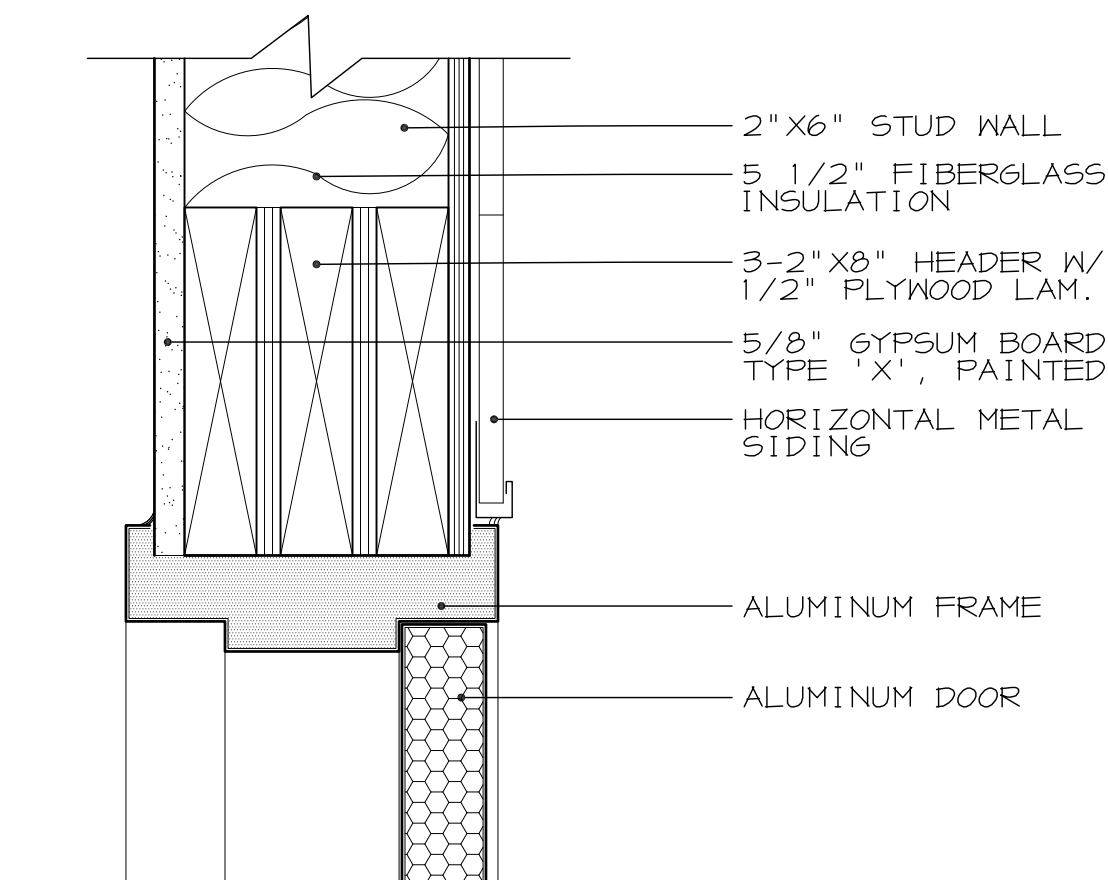
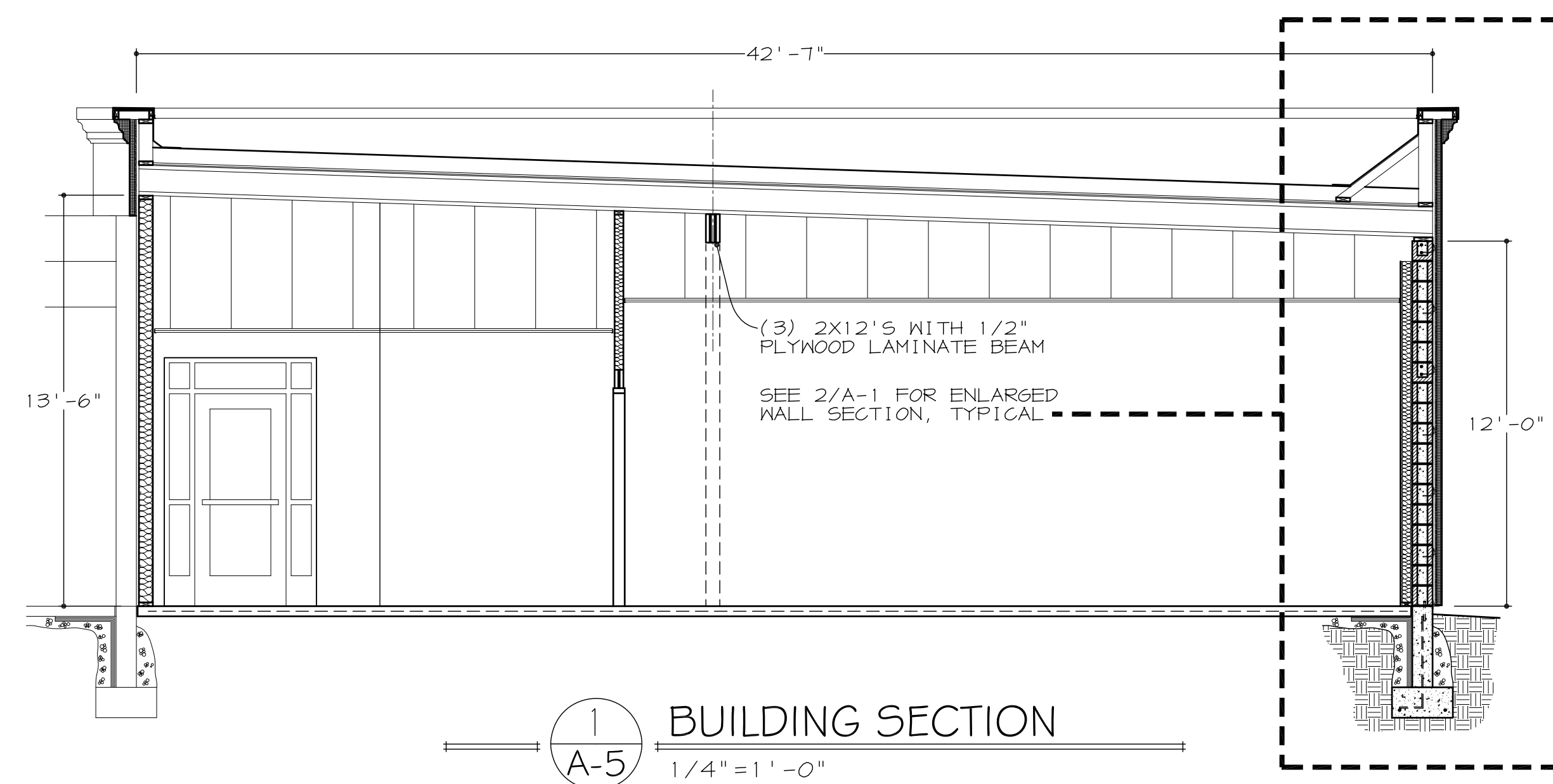
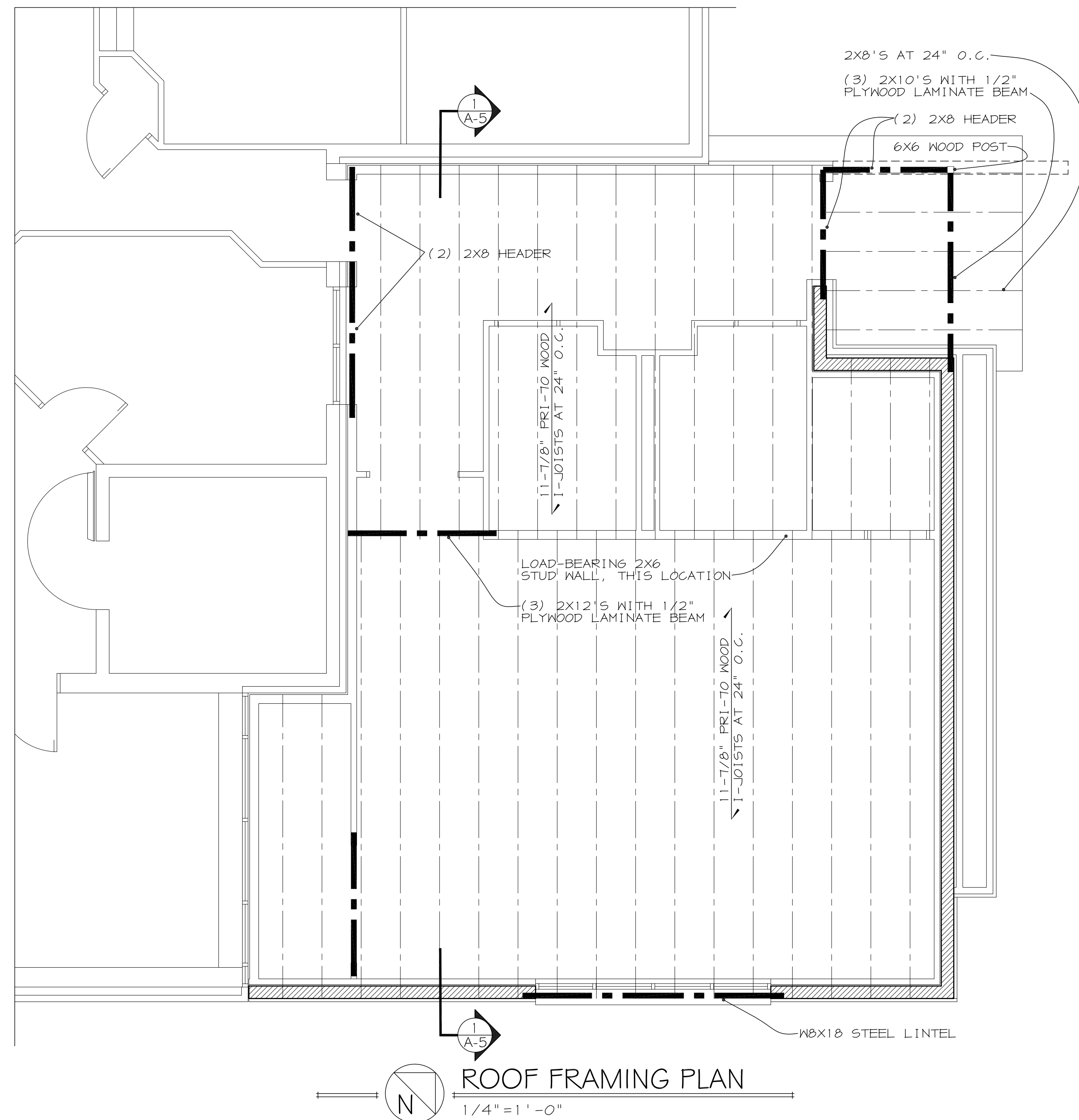


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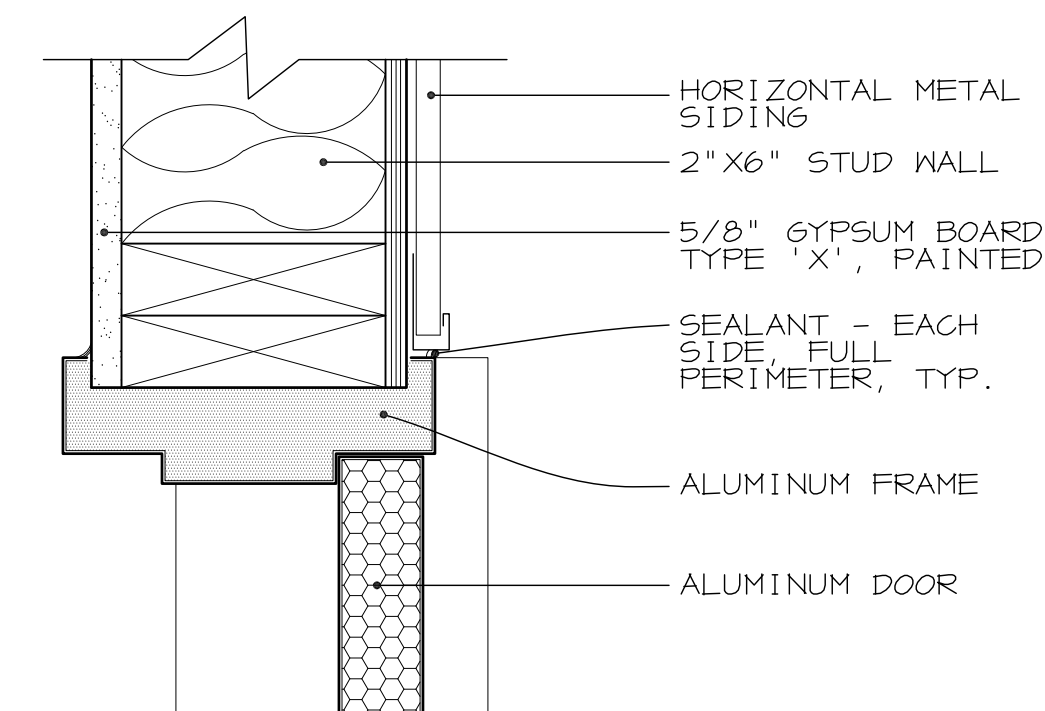
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SHEET OF A-4

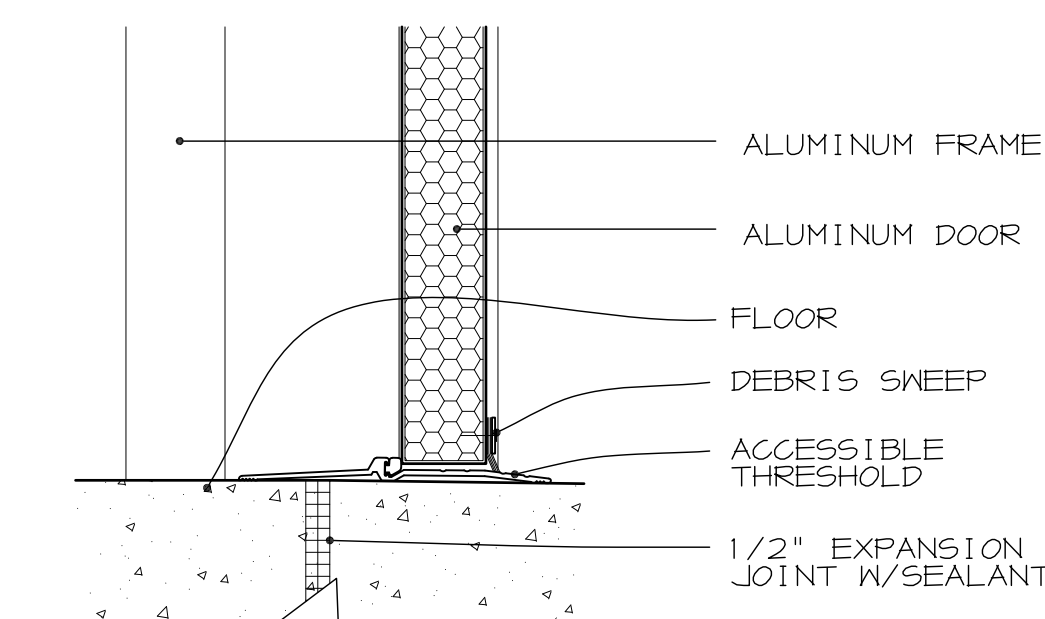
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**HEAD**



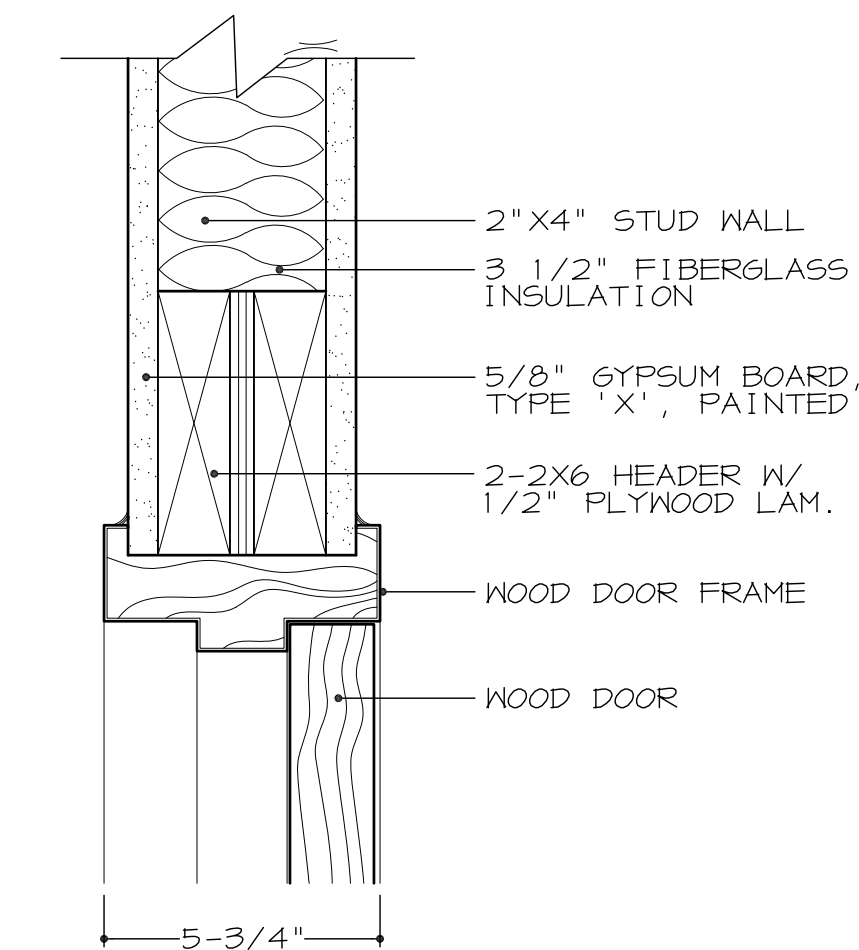
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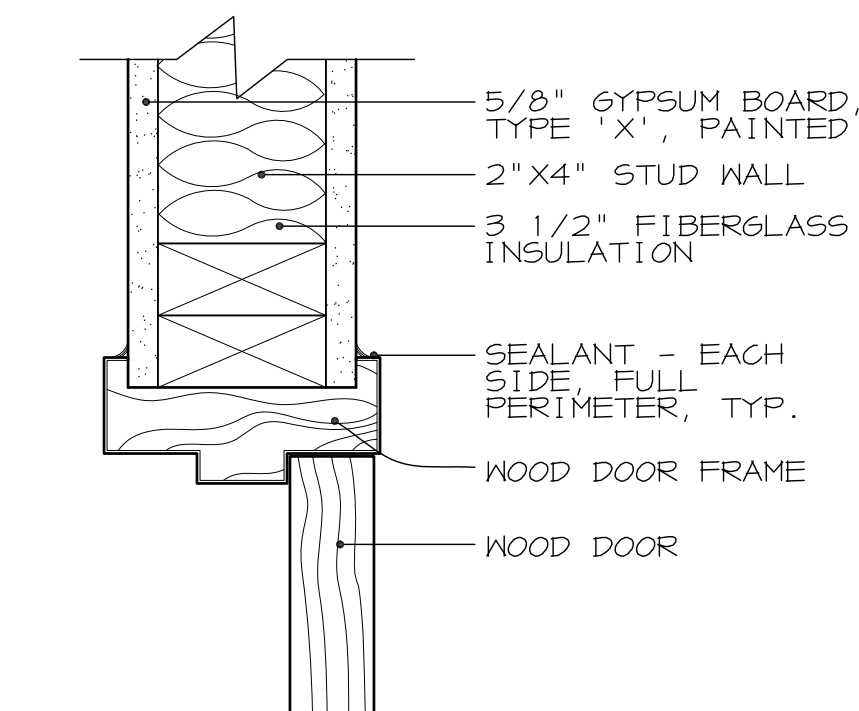
**SILL**

**1**  
A-5  
EXTERIOR DOOR  
3" = 1' - 0"

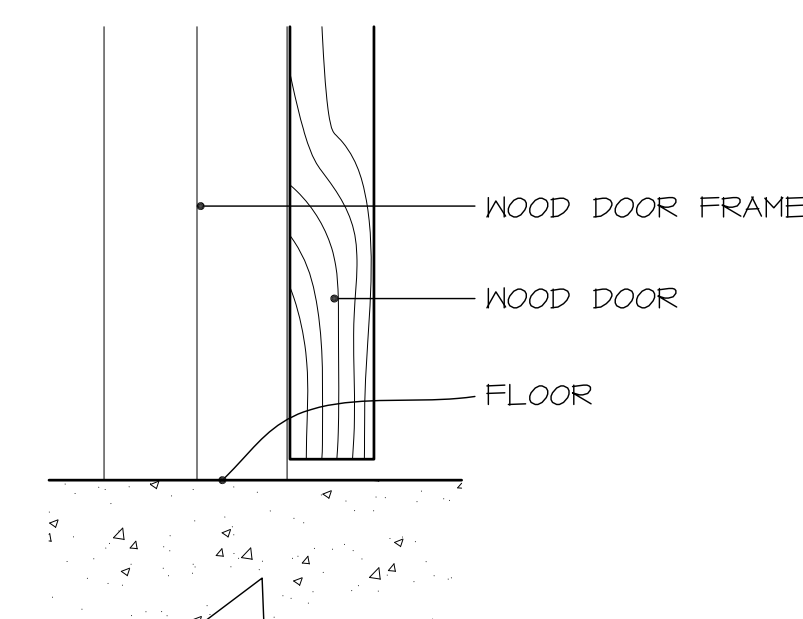
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**HEAD**

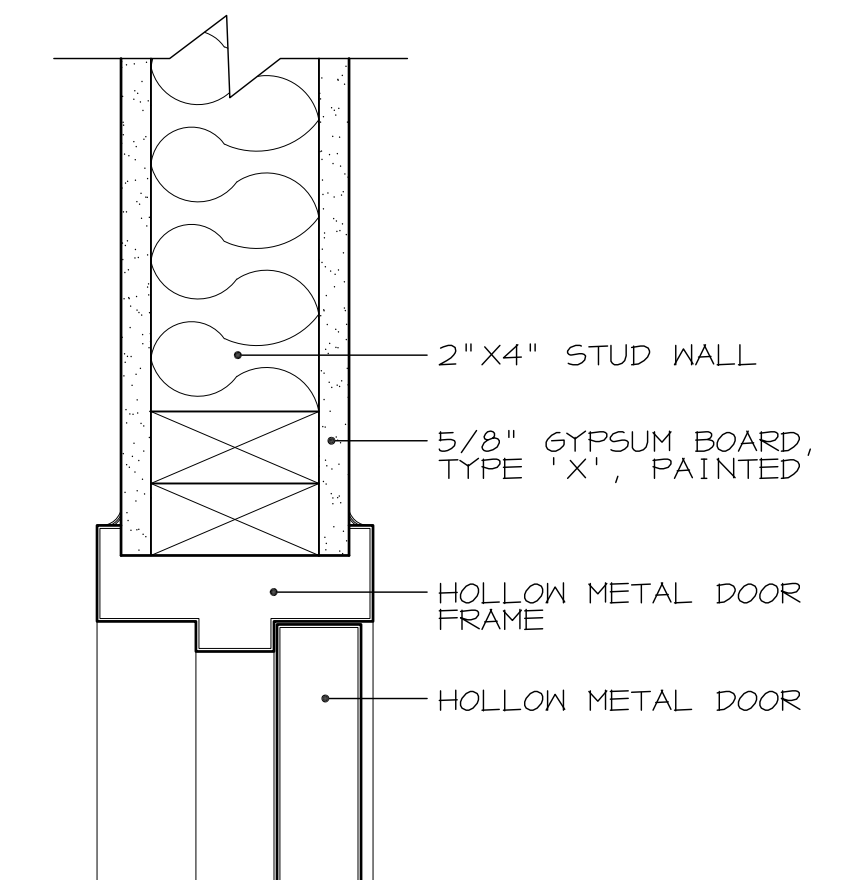


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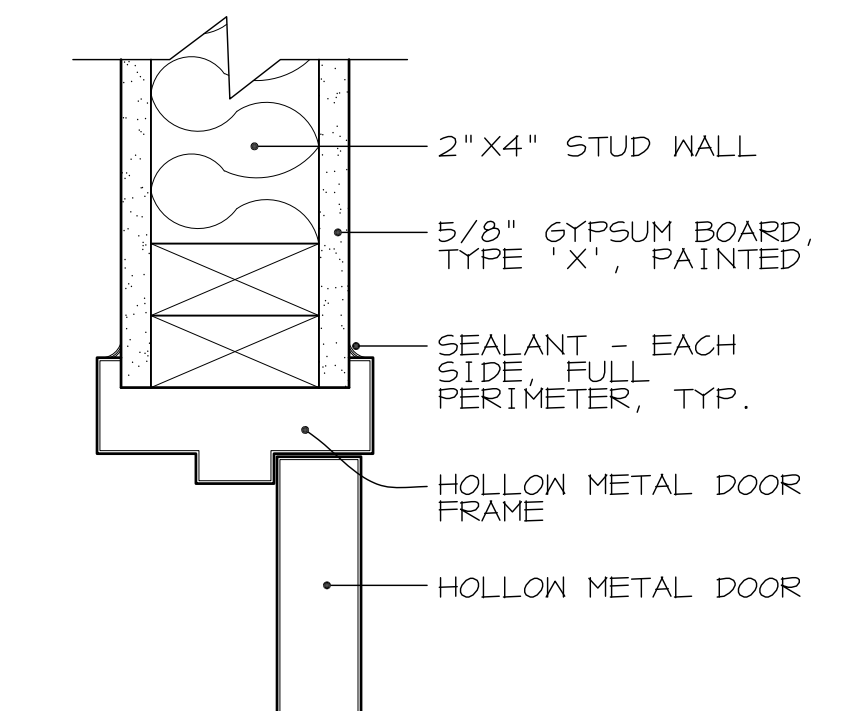


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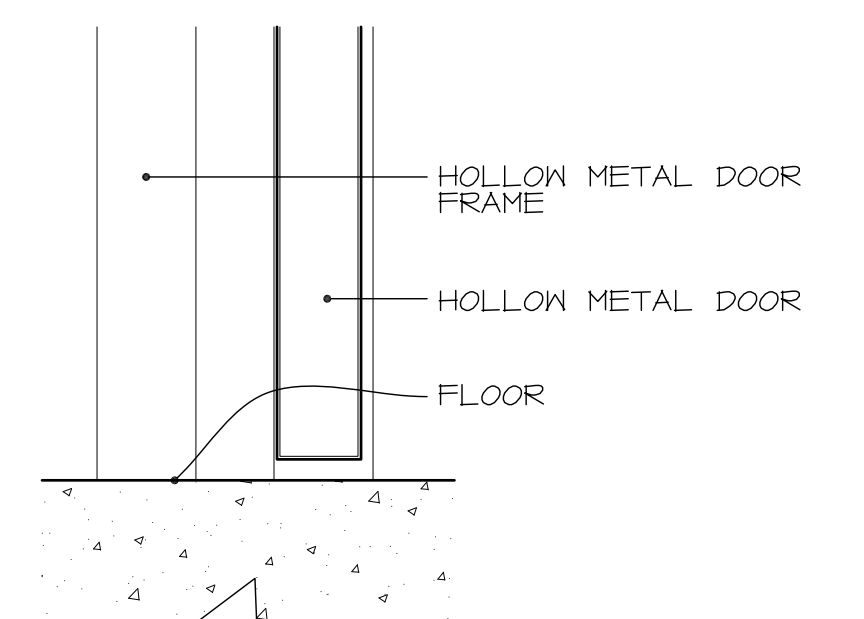
**2**  
A-5  
INT. WOOD  
3" = 1' - 0"



**HEAD**

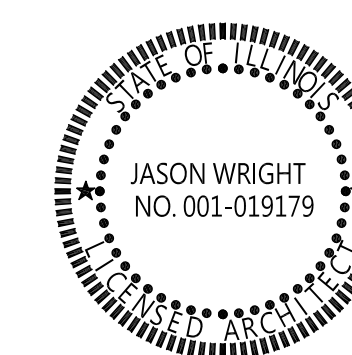


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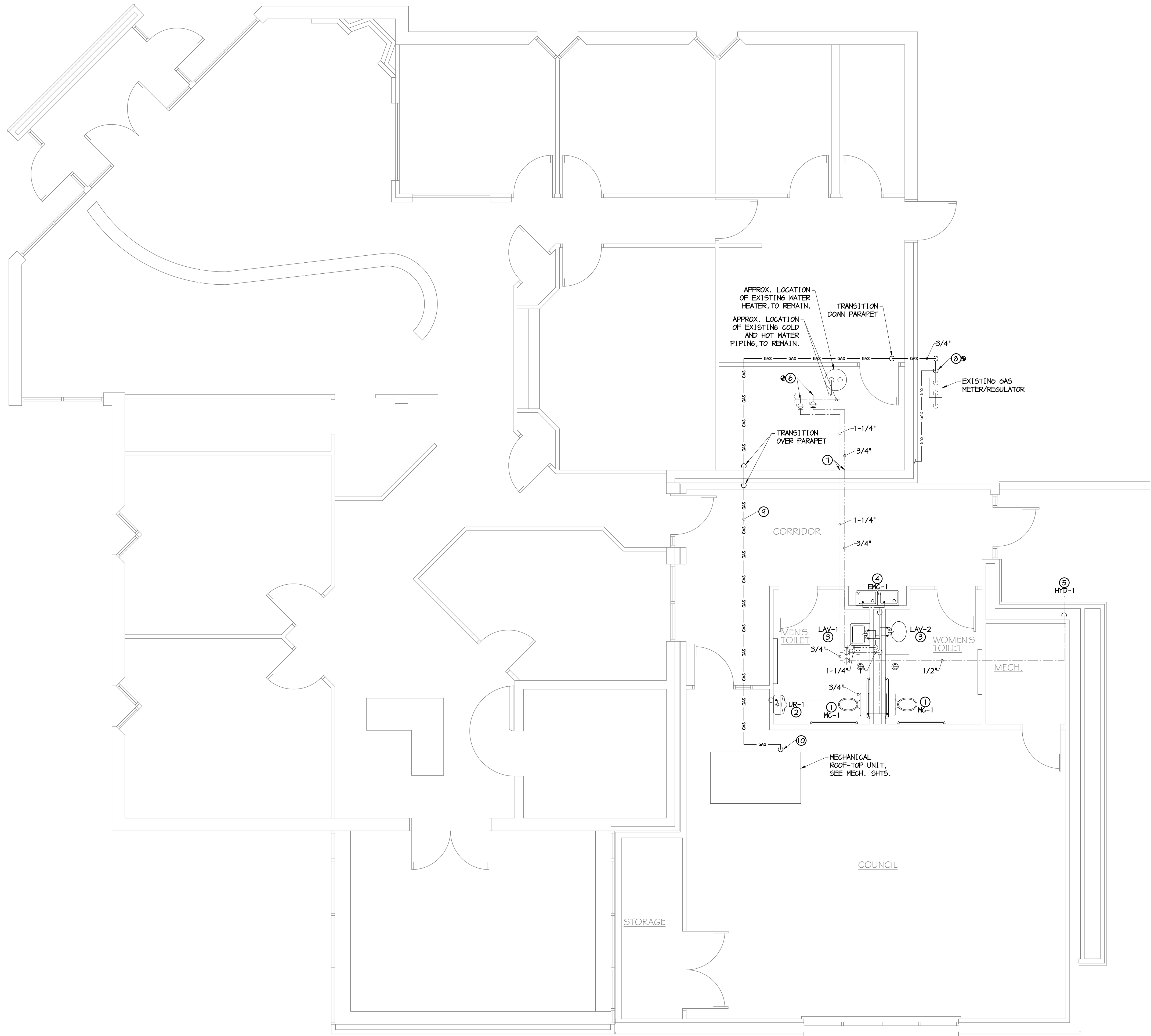
**SILL**

**3**  
A-5  
INT. HOL. MET.  
3" = 1' - 0"



Jason Wright AA  
SIGNATURE  
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<b>ADG</b> ARCHITECTURE & DESIGN GROUP, LTD. 512 MARKET (618)263-3254 MT.CARMEL,IL 62863	
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A-5	



 **FLOOR PLAN - DOMESTIC**  
1/4" = 1' - 0"

**PLUMBING GENERAL NOTES:**

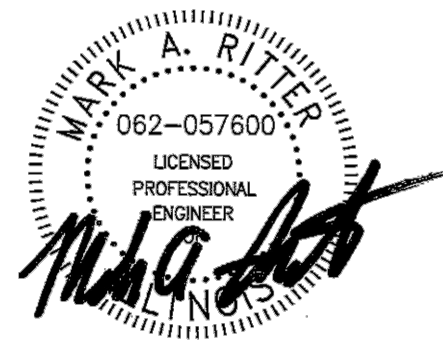
- ALL WORK SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE ILLINOIS PLUMBING CODE, 2014 EDITION.
- INFORMATION ON EXISTING CONDITIONS WAS TAKEN FROM EXISTING DRAWINGS AND SITE OBSERVATION. CONTRACTOR SHALL VERIFY CONDITIONS AND REPORT ANY MAJOR DISCREPANCIES TO A/E FOR FURTHER INSTRUCTIONS. MINOR DEVIATIONS FROM THIS PLAN AND ACTUAL CONDITION SHALL BE UNDERSTOOD AND BE ADJUSTED FOR AT NO ADDITIONAL COST TO THE OWNER.
- ANY DAMAGE TO EXISTING MATERIALS AND FINISHES SHALL BE RESTORED TO A CONDITION EQUAL TO THAT WHICH EXISTING PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL ENSURE ALL EXISTING SYSTEMS REMAIN FULLY FUNCTIONAL AND CODE COMPLIANT AFTER PARTIAL REMOVAL/DEMOLITION AND AFTER CONSTRUCTION IS COMPLETE.
- SEE SHEET P-3 FOR ADDITIONAL GENERAL NOTES, DETAILS, SCHEDULES, AND SYMBOLS LEGEND.

**PLUMBING KEYED "O" NOTES (THIS SHEET ONLY):**

- 1/2" COLD WATER PIPING TO WATER CLOSET (WC-1).
- 3/4" COLD WATER PIPING TO URINAL (UR-1).
- 3/8" COLD AND HOT WATER PIPING TO LAVATORY (LAV-1 OR LAV-2).
- 3/8" COLD WATER PIPING TO ELECTRIC WATER COOLER (ENG-1).
- 1/2" COLD WATER PIPING TO HYDRANT (HYD-1).
- CONNECT 1-1/4" COLD AND 3/4" HOT WATER PIPING TO EXISTING PIPING IN EXISTING MECHANICAL ROOM AT APPROXIMATE LOCATIONS INDICATED. PROVIDE ISOLATION VALVES AT BRANCH PIPING.
- CORE-DRILL EXISTING WALL. FIRE-SEAL ANNULAR SPACE.
- CONNECT 3/4" GAS PIPING TO EXISTING GAS PIPING NEAR EXISTING GAS METER/REGULATOR. ROUTE GAS PIPING UP SIDE OF BUILDING TO ROOF. DESIGN LOAD: 65MBH, TOLF, LESS THAN 2PSI.
- ROUTE GAS PIPING ON ROOF. PROVIDE PIPE SUPPORT (MIFAB, C-PORT OR EQUAL) ON ROOF MINIMUM 10 FT. ON CENTER AND AT ALL TRANSITIONS AND ELBOWS.
- CONNECT GAS PIPING TO MECHANICAL EQUIPMENT. PROVIDE REGULATOR (AS REQUIRED), ISOLATION VALVE, DIRT-LEG, AND UNION.

**WRFT ENGINEERS, LLC**

112 N. KANSAS ST. P: 618.659.8709  
EDWARDSVILLE, IL 62025 F: 618.656.8353 R19-155



02/28/20

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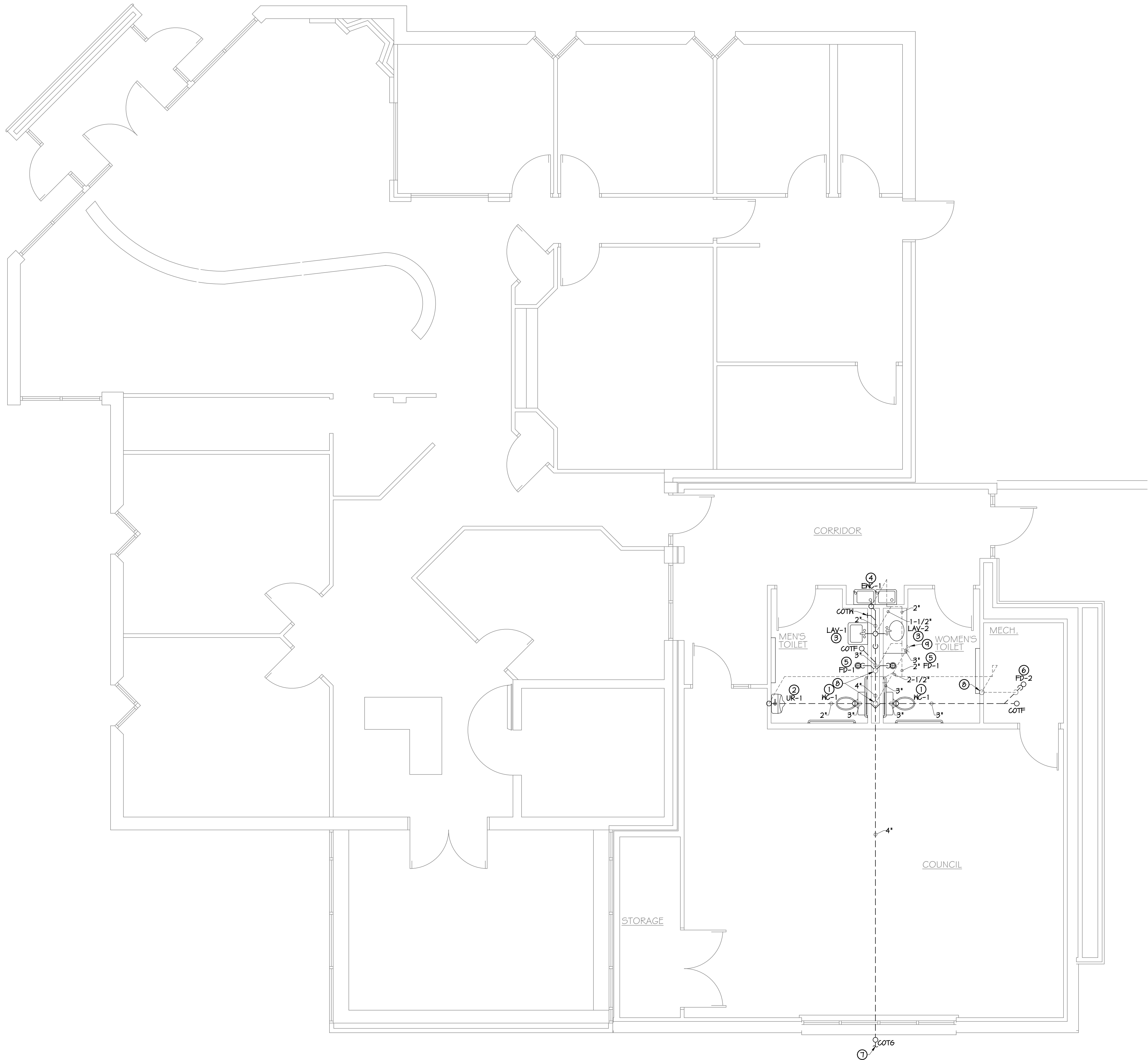
11/30/21

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OF		BY	
P-1		CDB	
REV		REV	



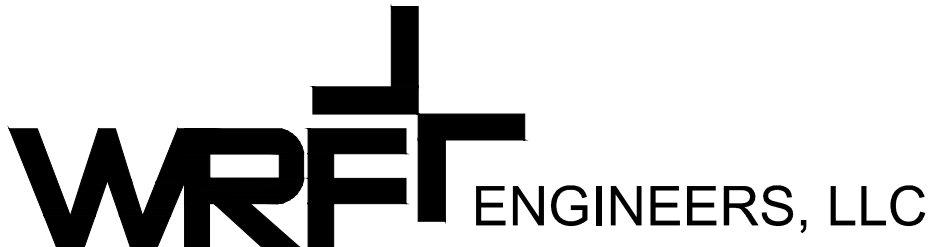
 **FLOOR PLAN - SANITARY**  
1/4" = 1' - 0"

**PLUMBING GENERAL NOTES:**

- A. ALL WORK SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE ILLINOIS PLUMBING CODE, 2014 EDITION.
- B. INFORMATION ON EXISTING CONDITIONS WAS TAKEN FROM EXISTING DRAWINGS AND SITE OBSERVATION. CONTRACTOR SHALL VERIFY CONDITIONS AND REPORT ANY MAJOR DISCREPANCIES TO A/E FOR FURTHER INSTRUCTIONS. MINOR DEVIATIONS FROM THIS PLAN AND ACTUAL CONDITION SHALL BE UNDERSTOOD AND BE ADJUSTED FOR AT NO ADDITIONAL COST TO THE OWNER.
- C. ANY DAMAGE TO EXISTING MATERIALS AND FINISHES SHALL BE RESTORED TO A CONDITION EQUAL TO THAT WHICH EXISTING PRIOR TO THE START OF CONSTRUCTION.
- D. CONTRACTOR SHALL ENSURE ALL EXISTING SYSTEMS REMAIN FULLY FUNCTIONAL AND CODE COMPLIANT AFTER PARTIAL REMOVAL/DEMOLITION AND AFTER CONSTRUCTION IS COMPLETE.
- E. SEE SHEET P-3 FOR ADDITIONAL GENERAL NOTES, DETAILS, SCHEDULES, AND SYMBOLS LEGEND.

**PLUMBING KEYED "O" NOTES (THIS SHEET ONLY):**

- 1. 3" SANITARY PIPING TO WATER CLOSET (WC-1).
- 2. 2" SANITARY PIPING TO URINAL (UR-1).
- 3. 1-1/2" SANITARY PIPING TO LAVATORY (LAV-1 OR LAV-2).
- 4. 1-1/2" SANITARY PIPING TO ELECTRIC WATER COOLER (ENG-1).
- 5. 2" SANITARY PIPING TO FLOOR DRAIN (FD-1).
- 6. 3" SANITARY PIPING TO FLOOR DRAIN (FD-2).
- 7. 4" SANITARY SEWER TO SITE SEWER. SEE CIVIL SHEETS FOR CONTINUATION.
- 8. VENT PIPING FROM BELOW FLOOR.
- 9. 3" VENT PIPING TO 4" VENT-THRU-ROOF.



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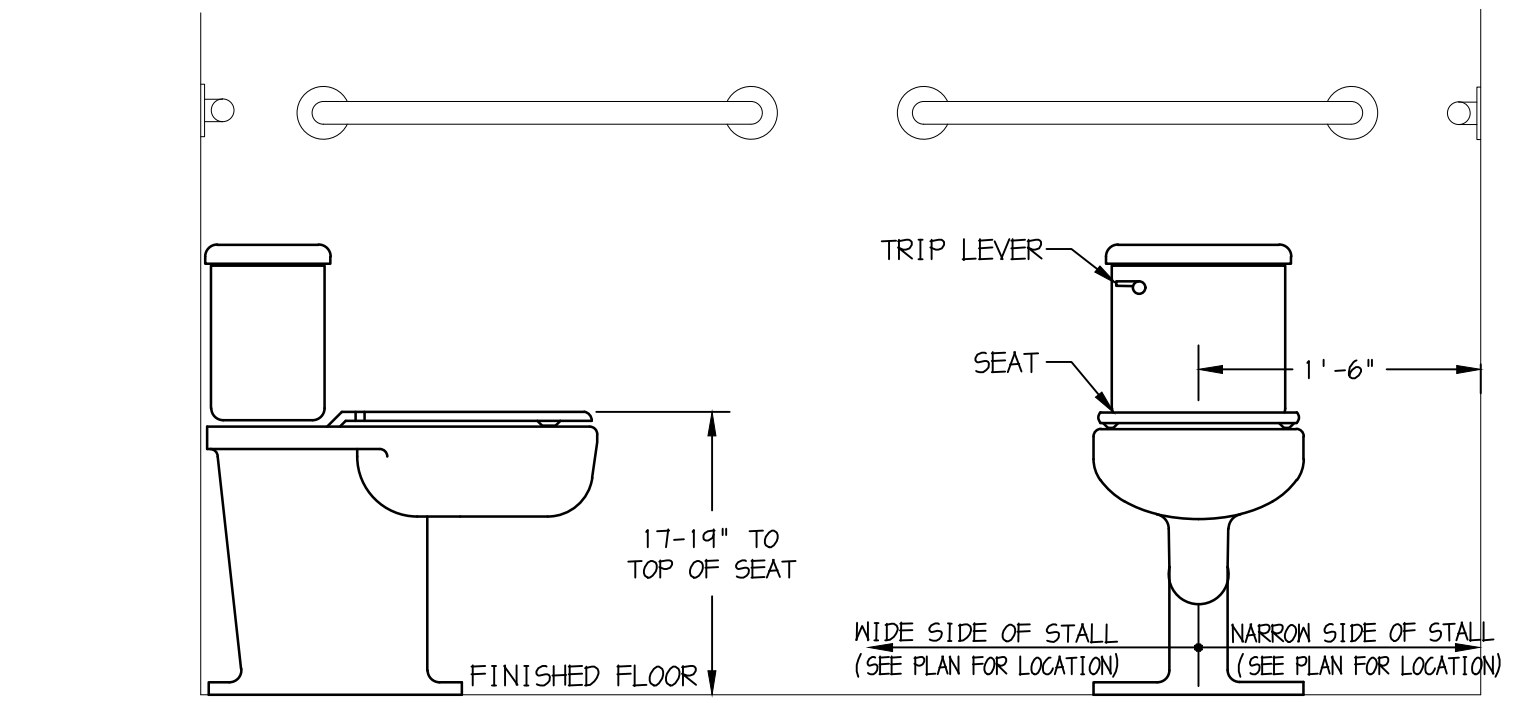


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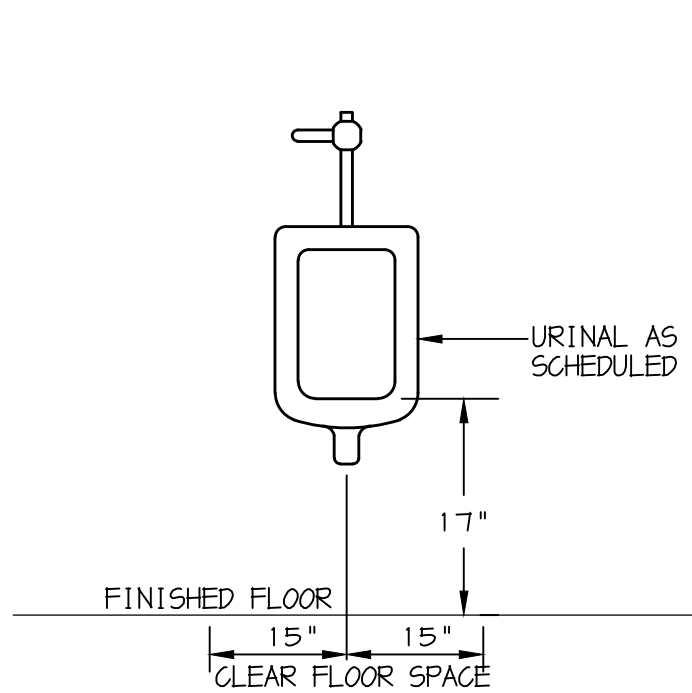


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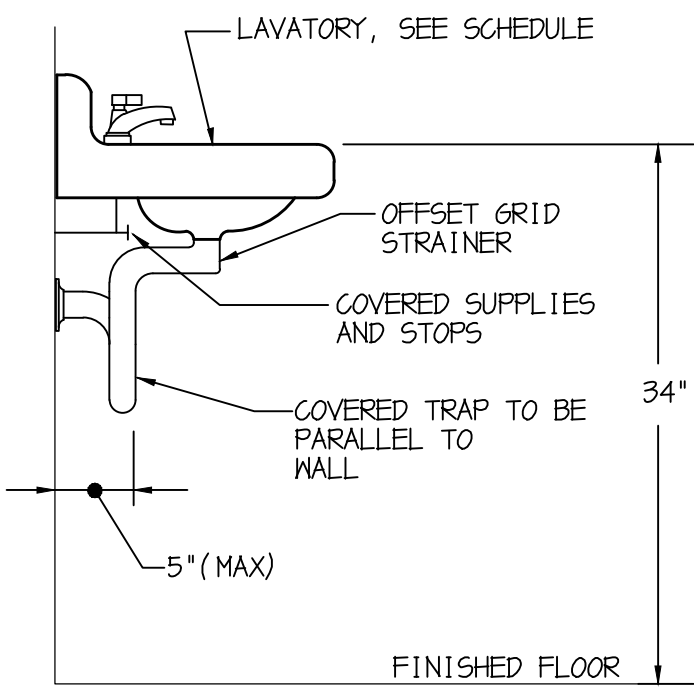
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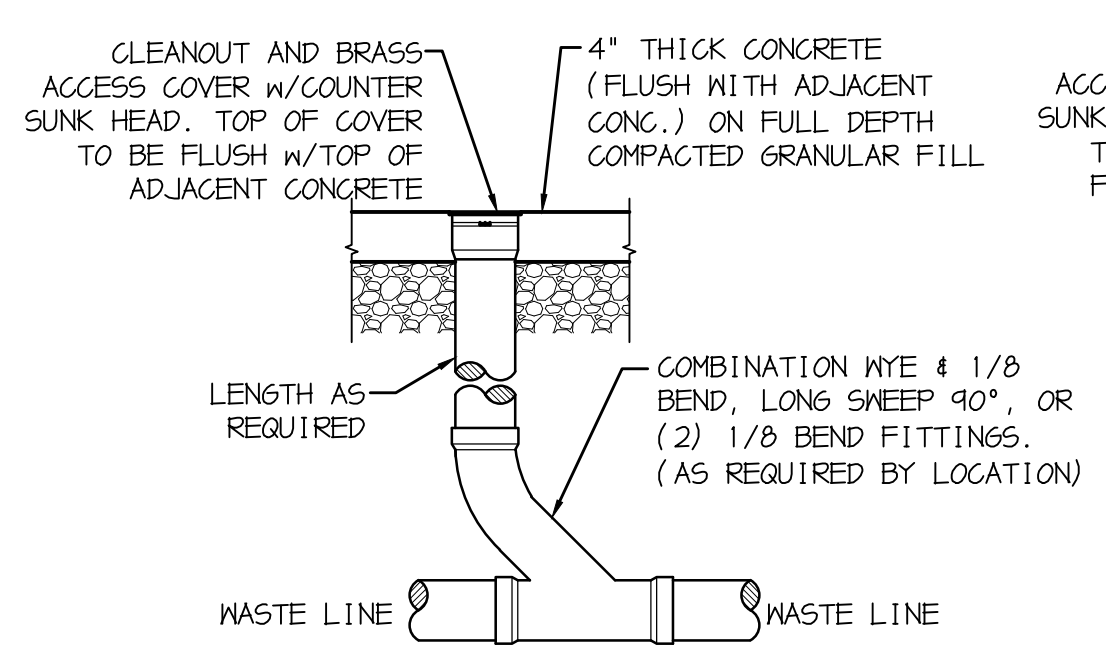
1 WATER CLOSET DETAIL  
P-3 NOT TO SCALE



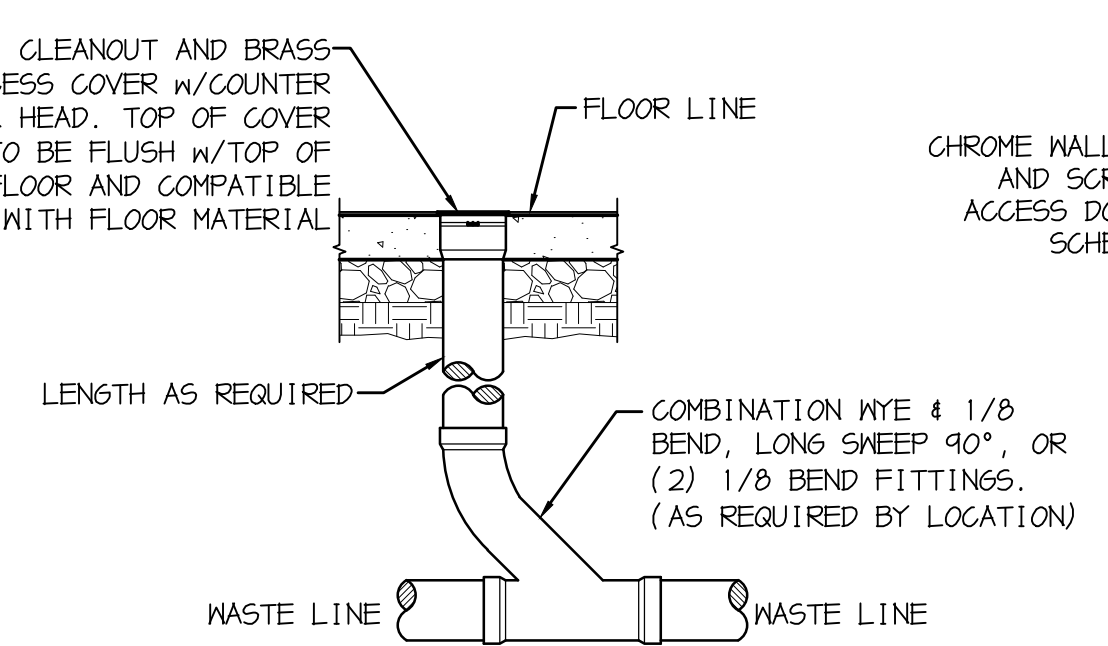
2 URINAL DETAIL  
P-3 NOT TO SCALE



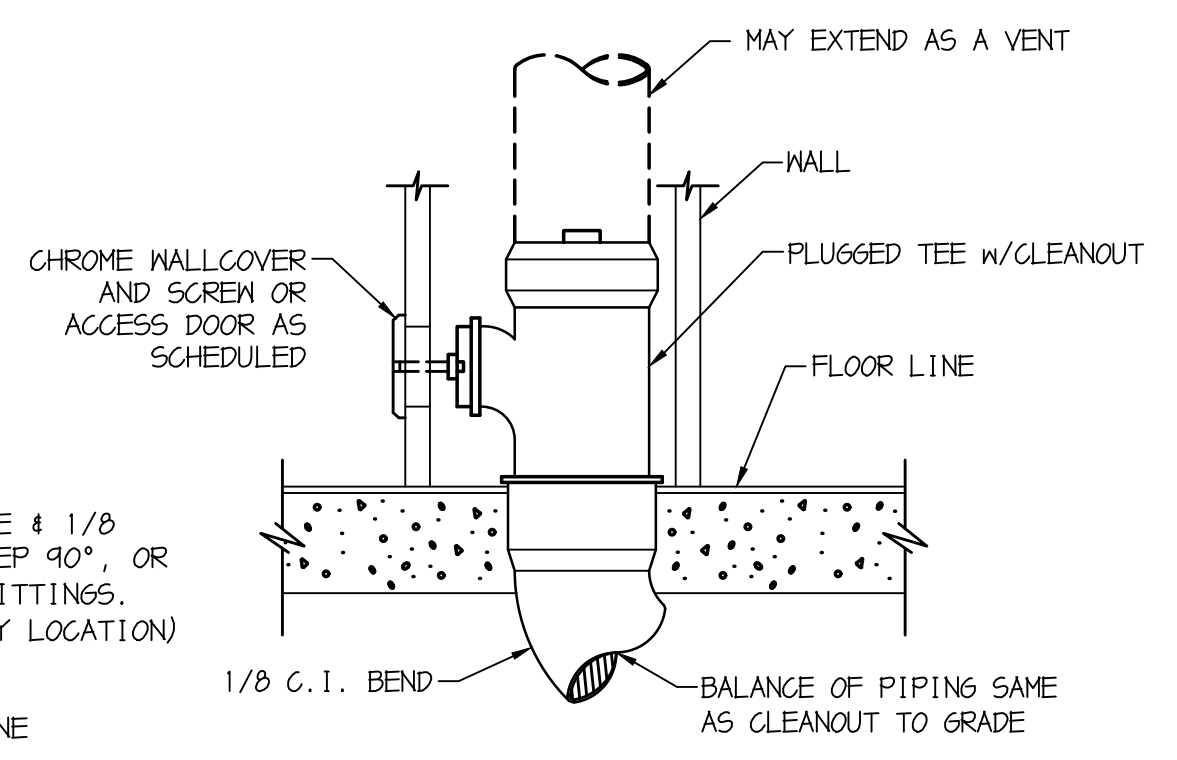
3 LAVATORY DETAIL  
P-3 NOT TO SCALE



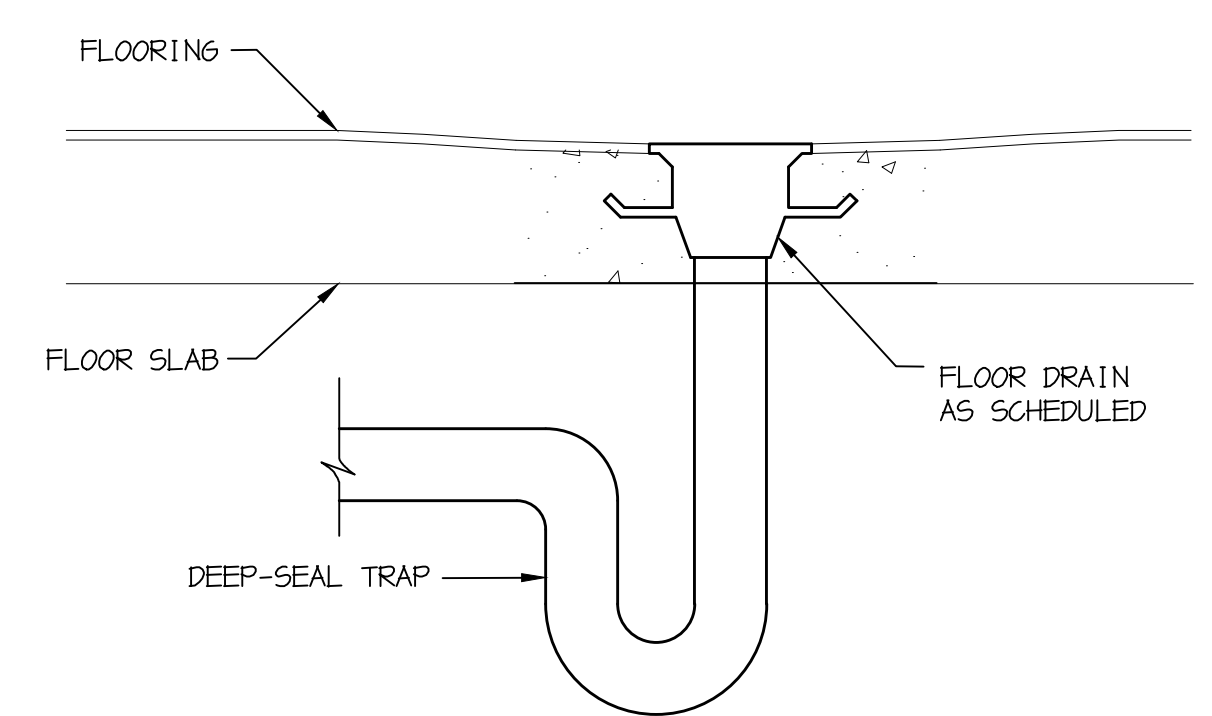
CLEANOUT TO GRADE (COTG)



CLEANOUT TO FLOOR (COTF)



CLEANOUT TO WALL (COTW)



5 FLOOR DRAIN DETAIL  
P-3 NOT TO SCALE

PLUMBING FIXTURE SCHEDULE				
TAG	DESCRIPTION	MANUFACTURER AND MODEL NO.	FAUCET/FLUSH VALVE/TRIM	ADDITIONAL REMARKS
WC-1	ACCESSIBLE, FLOOR MOUNTED, TANK TYPE, ELONGATED BOWL WATER CLOSET, OPEN FRONT SEAT	KOHLER: K-3589 CHARRON	QUARTER-TURN BALL VALVE, FLEXIBLE STAINLESS STEEL SUPPLY	ANIT-MICROBIAL OPEN FRONT SEAT w/CHECK HINGE, BEMIS: 21955SCT, COORDINATE TRIP-LEVER HANDLING (WIDE SIDE OF STALL)
UR-1	ACCESSIBLE, WALL MOUNTED, ELONGATED BOWL URINAL	KOHLER: K-4991-ET55 BARDON	ZURN: Z6003-BMS	MANUAL, OSCILLATING HANDLE FLUSH VALVE, MAXIMUM 0.5 GPF
LAV-1	ACCESSIBLE, WALL MOUNTED, VITREOUS CHINA BOWL, CONCEALED ARM CARRIER, MANUAL LEVER FAUCET	KOHLER: K-2032	KOHLER: K-15240-ANDRA	MANUAL LEVER FAUCET, PROVIDE WITH THERMOSTATIC MIXING VALVE, QUARTER-TURN STOPS, BRAIDED 5.5. SUPPLIES, 176A. C.P. P-TRAP, ADA PIPE COVERS
LAV-2	ACCESSIBLE, UNDER-MOUNT, OVAL VITREOUS CHINA BOWL, UNGLAZED UNDERSIDE, MANUAL LEVER FAUCET	KOHLER: K-2210	KOHLER: K-15240-ANDRA	MANUAL LEVER FAUCET, PROVIDE WITH THERMOSTATIC MIXING VALVE, QUARTER-TURN STOPS, BRAIDED 5.5. SUPPLIES, 176A. C.P. P-TRAP, ADA PIPE COVERS
ENC-1	ACCESSIBLE, HI-LO, WITH LAMINAR FLOW BOTTLE FILLER	ELKAY: LZ2LW65SK	--	8.0 GPH OF 50° WATER WITH 80° INLET WATER AND 90° AMBIENT AIR TEMPERATURE, STAINLESS STEEL FINISH, FILTERED LAMINAR FLOW BOTTLE FILLER
HYD-1	ENCAGED, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING NICKEL-BRONZE BOX WITH COVER AND LOOSE KEY	ZURN: Z1300	--	LOOSE KEY SHALL OPERATE BOX AND VALVE, COORDINATE EXACT LOCATION WITH A/E AND OWNER
MHA-1	WATER HAMMER ARRESTOR, BELLON TYPE	SIoux CHIEF: 650 SERIES	--	--

FLOOR DRAINS & CLEANOUT SCHEDULE			
TAG	DESCRIPTION	MANUFACTURER AND MODEL NO.	ADDITIONAL REMARKS
FD-1	FLOOR DRAIN, ROUND NICKEL BRONZE HEEL-PROOF STRAINER	SIoux CHIEF: 842-2PNR	7.5" DIA. HEEL PROOF STRAINER
FD-2	FLOOR DRAIN, ROUND NICKEL BRONZE STRAINER, DEBRIS SCREEN OR BUCKET	SIoux CHIEF: 842-36PNRH-842-UM	11.5" DIA. HEEL PROOF STRAINER, SEDIMENT SCREEN
COTF	FLOOR CLEANOUT, ADJUSTABLE ROUND COATED C.I., NICKEL BRONZE COVER	SIoux CHIEF: 822-CXPNR	NICKEL BRONZE, SECURED TOP
COT6	CLEANOUT TO GRADE, ADJUSTABLE ROUND, COATED C.I., NICKEL BRONZE COVER	SIoux CHIEF: 851-64NS	NICKEL BRONZE, SECURED TOP, FLUSH WITH ADJACENT CONC.
COTW	PVC PLUG WITH ROUND STAINLESS STEEL COVER, CHROME BOLT	SIoux CHIEF: 870-46	20GA. COVER, STAMPED WITH "CO"

THERMOSTATIC MIXING VALVE SCHEDULE			
TAG	SERVICE	MINIMUM FLOW RATE (G.P.M.)	FLOW RATE AT 10 P.S.I. PRESSURE DROP (G.P.M.)
TMV-1	LAVATORIES	0.25	5.5

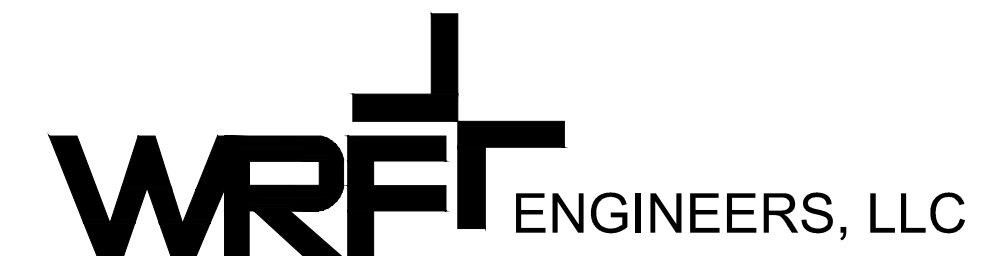
NOTES:  
1. DESIGN BASE: (TMV-1) LEONARD: 270-LF.  
2. COORDINATE EXACT LOCATION WITH A/E AND OWNER.  
3. OUTLET TEMPERATURE SHALL BE SET AT 105 DEGREES. F.

PLUMBING FIXTURE SERVICE SCHEDULE					
TAG	WASTE	TRAP	VENT	COLD	HOT
WC-1	3"	INTEGRAL	2"	1/2"	--
UR-1	2"	INTEGRAL	1-1/2"	3/4"	--
LAV-1	*1-1/2"	1-1/4"	1-1/4"	3/8"	3/8"
LAV-2	*1-1/2"	1-1/4"	1-1/4"	3/8"	3/8"
ENC-1	*1-1/2"	1-1/4"	1-1/4"	3/8"	--
FD-1	2"	2"	1-1/2"	-	-
FD-2	3"	3"	1-1/2"	-	-

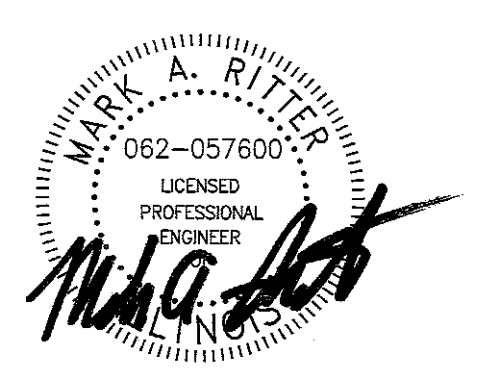
NOTE:  
\* ALL WASTE PIPING BELOW SLAB SHALL BE MINIMUM 2" DIAMETER.

PLUMBING LEGEND	
-----	EXISTING COLD WATER SUPPLY PIPING
-----	EXISTING HOT WATER SUPPLY PIPING
-----	EXISTING HOT WATER RETURN PIPING
-----	COLD WATER SUPPLY PIPING
-----	HOT WATER SUPPLY PIPING
-----	HOT WATER RETURN PIPING
-----	EXISTING BELOW-GRADE SANITARY SEWER PIPING
-----	BELOW-GRADE SANITARY SEWER PIPING
-----	EXISTING SANITARY SEWER PIPING
-----	SANITARY SEWER PIPING
-----	EXISTING VENT PIPING
-----	VENT PIPING
-----	EXISTING GAS PIPING
-----	GAS PIPING
-----	ELBOW DOWN
-----	ELBOW UP
-----	BALL VALVE
-----	BALANCING VALVE
-----	CHECK VALVE
-----	WALL HYDRANT
-----	CIRCULATOR PUMP
-----	INDICATES CONNECTION OF NEW TO EXISTING
WC-X	WATER CLOSET
UR-X	URINAL
LAV-X	LAVATORY
ENC-X	ELECTRIC WATER COOLER
HYD-X	HYDRANT
FD-X	FLOOR DRAIN
COT6	CLEANOUT TO GRADE
COTF	CLEANOUT TO FLOOR
COTW	CLEANOUT TO WALL

- GENERAL PLUMBING NOTES:**
- ALL PLUMBING WORK SHALL COMPLY WITH THE ILLINOIS PLUMBING CODE AND ALL OTHER APPLICABLE LOCAL CODES AND REGULATIONS, AND SHALL BE ENFORCED BY THE PLUMBING CONTRACTOR AT ALL TIMES.
  - PROVIDE ALL MATERIAL, LABOR, PERMITS AND FEES NECESSARY TO INSTALL A COMPLETE WATER SUPPLY, WASTE AND VENT PIPING AS INDICATED BY THESE DRAWINGS AND SPECIFICATIONS, AND AS REQUIRED TO COMPLY WITH THE ILLINOIS PLUMBING CODE.
  - CONNECT ALL WATER, AND WASTE LINES ETC., FOR ALL FIXTURES. LINE SIZES SHALL BE NO SMALLER THAN THE STUB-OUT PROVIDED FOR THE FIXTURE.
  - FURNISH AND INSTALL READILY ACCESSIBLE BALL VALVES ON ALL WATER LINES TO INDIVIDUAL FIXTURES OR BANKS OF FIXTURES AS INDICATED. ALL SHUT-OFF VALVES SHALL BE INSTALLED FOR EASY ACCESS.
  - FURNISH ALL SHUT-OFF VALVES, PRESSURE REDUCING VALVES, TAIL PIECES, "P" TRAPS, BACK FLOW PREVENTION DEVICES, AND VACUUM BREAKERS AS REQUIRED BY CODES OR REQUIRED FOR PROPER INSTALLATION.
  - INSULATE ALL DOMESTIC WATER LINES.
  - ALL WASTE AND VENT PIPING IS TO BE SCH 40 PVC WITH SOLVENT WELD JOINTS OR WHERE NOTED OTHERWISE.
  - DOMESTIC SUPPLY PIPING BELOW SLAB IS TO BE SOFT TYPE "K" COPPER (NO JOINTS BELOW SLAB) WITH CONTINUOUS CLOSED CELL INSULATION AND HARD TYPE "L" ABOVE SLAB.
  - ALL PIPING IS TO BE HUNG OR FASTENED TO STRUCTURE WITH MANUFACTURED HANGERS AND SUPPORTS. PIPE STRAP IS NOT TO BE USED FOR PIPE SUPPORT OR ANCHORAGE.
  - FIXTURE STOPS SHALL BE 1/4 TURN TYPE. TRAPS SHALL BE 176A. CHROME PLATED BRASS. SUPPLIES SHALL BE FLEXIBLE STAINLESS STEEL.
  - REFER TO ARCHITECTURAL SHEETS FOR EXACT LOCATION OF PLUMBING FIXTURES, WALL AND FLOOR FINISHES. CONTRACTOR SHALL COORDINATE ALL WORK REQUIRED WITH ALL OTHER DRAWINGS IN SET.
  - CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL WATER, SANITARY, VENT AND GAS PIPING, VALVES AND APPURTENANCES WITH RELATED STRUCTURAL, HVAC AND ELECTRICAL EQUIPMENT.
  - FOR CLARITY ON PLANS, NOT ALL VENT PIPING IS SHOWN. CONTRACTOR SHALL GROUP VENT PIPING AND ROUTE TO VENTS AS REQUIRED.
  - PIPING SHALL BE CONCEALED IN CHASE WALLS, CEILING, BELOW SLAB, ETC., UNLESS INDICATED OTHERWISE. PIPING SHOWN OUTSIDE OF WALLS IS FOR CLARITY ONLY.
  - CONTRACTOR TO COORDINATE ALL PATCHING AND REPAIRING OF WALLS, FLOORS, CEILINGS, ETC., WITH OTHER TRADES AND GENERAL WORK.
  - WHERE NOT OTHERWISE INDICATED, CONTRACTOR SHALL PROVIDE CLEANOUTS NOT MORE THAN 50 FEET APART, INCLUDING THE DEVELOPED LENGTH OF THE CLEANOUT PIPE IN SANITARY SEWER PIPING 4" AND SMALLER. WHERE NOT INDICATED, CLEANOUTS SHALL BE PLACED IN ACCORDANCE WITH SECTION 840.420 OF THE ILLINOIS PLUMBING CODE, CURRENT EDITION.
  - CONTRACTOR SHALL PROVIDE PIPE SLEEVES FOR ALL PLUMBING PIPING THAT PENETRATES FOUNDATIONS AND FLOORS. PENETRATION SHALL BE CODE COMPLIANT, ALLOW PIPE MOVEMENT AND SHALL BE WATERPROOF.
  - THE LAYOUTS SHOWN ON THESE SHEETS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY BUT SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION AND AS OTHER WORK WILL PERMIT. CHANGES FROM THESE DRAWINGS REQUIRED TO MAKE THIS WORK CONFORM TO THE BUILDING CONSTRUCTION OR OTHER WORK OF OTHER TRADES SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNER, BUT ONLY WITH THE PRIOR APPROVAL OF THE A/E. ALL MAJOR CHANGES SHALL BE SHOWN ON SHOWN DRAWINGS AND NOTED AS SUCH TO BE SUBMITTED BEFORE THE CHANGES ARE MADE.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR AIR SEALING ALL PLUMBING PENETRATIONS IN THE AIR BARRIER.



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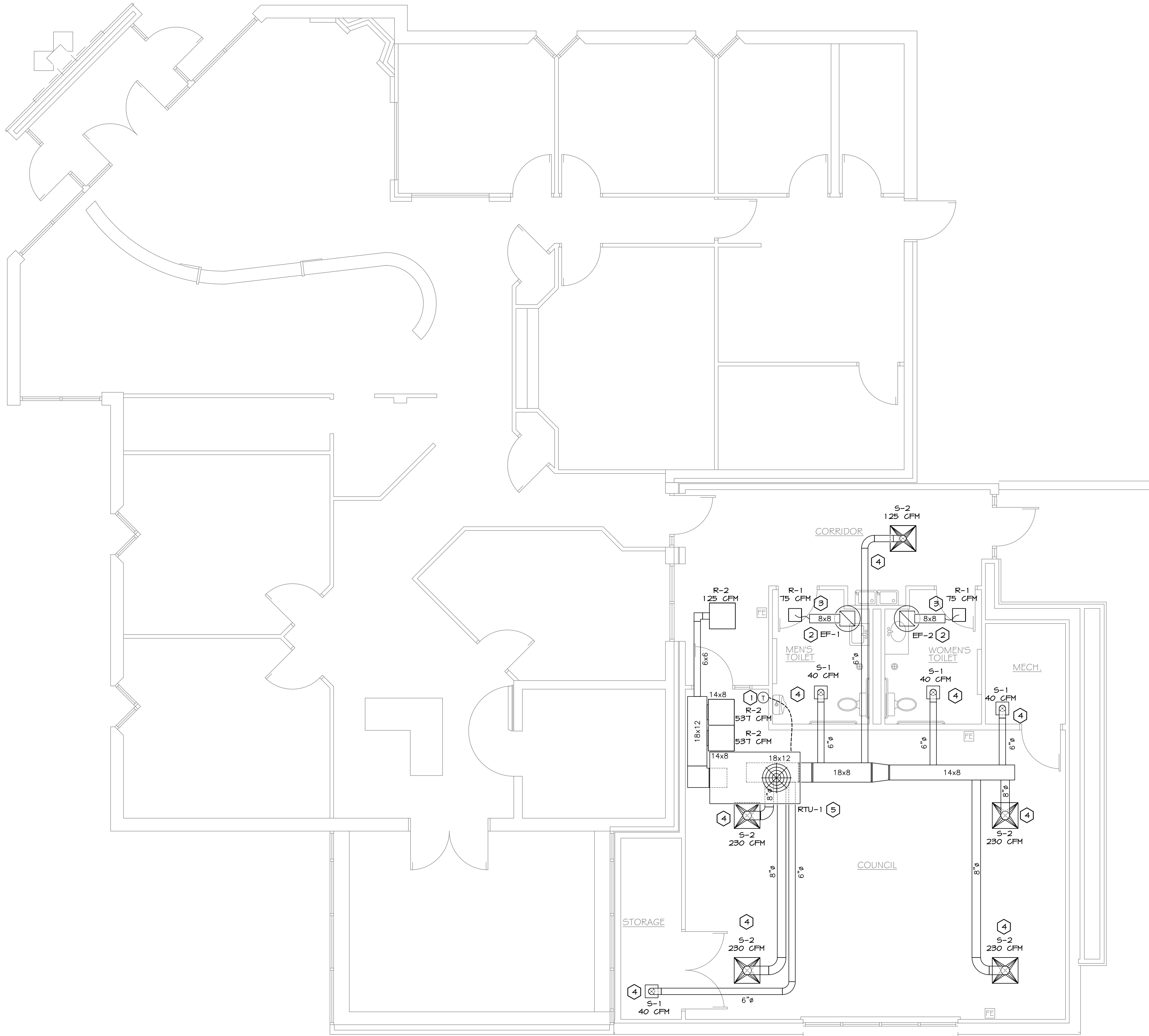


DATE 02/28/20  
DATE 11/30/21  
EXPIRES



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MOUNT CARMEL CITY HALL ADDITION MT. CARMEL, ILLINOIS		
SHEET OF	P-3	DATE 02/28/20 BY CDB REV

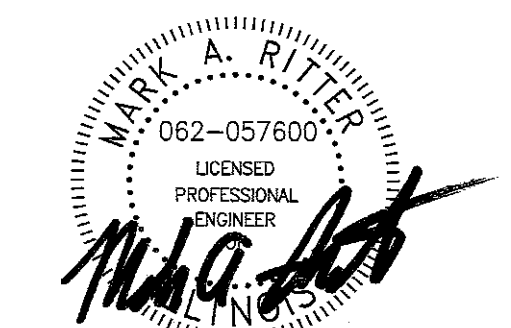


FLOOR PLAN - HVAC  
1/4" = 1' - 0"

- HVAC KEYED " " NOTES (THIS SHEET ONLY)
1. PROVIDE NEW 7 DAY AUTO CHANGEOVER PROGRAMMABLE THERMOSTAT. PROVIDE PLASTIC LOCKABLE COVER OVER THERMOSTAT.
  2. PROVIDE EXHAUST FAN AS SCHEDULED.
  3. PROVIDE NEW EXHAUST DUCT AND GRILLE AS SCHEDULED.
  4. PROVIDE NEW SUPPLY DUCTWORK AND DIFFUSER AS SCHEDULED.
  5. PROVIDE NEW PACKAGED ROOFTOP UNIT ON NEW CURB. ROUTE CONDENSATE TO SPLASH BLOCK ON ROOF.

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EXPIRES 11/30/21

**ADG**

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MOUNT CARMEL CITY HALL ADDITION  
MT. CARMEL, ILLINOIS

SHEET OF	M-1	DATE	02/28/20
		BY	CDB
		REV	

GENERAL HVAC NOTES:

- A. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- B. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- C. INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS AND APPLICABLE CODES AND REGULATIONS.
- D. WHERE TWO OR MORE ITEMS OF THE SAME TYPE AND EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
- E. COORDINATE DIFFUSER, REGISTER AND GRILLE LOCATIONS WITH ARCHITECTURAL CEILING PLANS, LIGHTING AND OTHER CEILING ITEMS AND MAKE MINOR DUCT MODIFICATIONS TO SUIT.
- F. LOCATE ALL MECHANICAL EQUIPMENT FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS & CONTROLS.
- G. PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK SYSTEMS CONNECTED TO FANS AND OTHER EQUIPMENT. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AT THE POINT OF CONNECTION TO THE EQUIPMENT UNLESS OTHERWISE INDICATED.
- H. CONTRACTOR SHALL FLASH AND SEAL ALL NEW ROOF PENETRATIONS AND OPENINGS CREATED BY PROJECT SCOPE PER ROOFING MANUFACTURERS RECOMMENDATIONS. SEAL ALL PENETRATIONS THROUGH NON-CONDITIONED SPACES WITH MEDIUM DENSITY OPEN CELL SPRAY FOAM.
- I. COORDINATE DUCTWORK SPACE WITH STRUCTURE. THIS WILL INCLUDE COORDINATING WITH STRUCTURE TO PROVIDE FRAMED OPENINGS AS NECESSARY.
- J. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL WORK SHOWN ON OTHER CONTRACT DRAWINGS.
- K. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS. DO NOT SCALE DRAWINGS.
- L. LOCATIONS AND SIZES OF ALL FLOOR, WALL AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
- M. USE RADIUS ELBOWS ON ALL SUPPLY DUCTWORK. IF SPACE LIMITATIONS REQUIRE THE USE OF SQUARE ELBOWS, USE TURNING VANES.
- N. ALL DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS.
- O. INSTALL ALL EXTERIOR VENTS, EXHAUSTS, OUTSIDE-AIR INTAKES SO THAT ANY OUTSIDE-AIR INTAKE IS EITHER 2'-0" LOWER THAN ANY EXHAUST OR VENT WITHIN 10' OR 10' CLEAR OF ANY EXHAUST OR VENT AT THE SAME HEIGHT. COORDINATE WITH PLUMBING WORK FOR PLUMBING VENTS. OUTSIDE AIR EXHAUST AND INTAKE OPENINGS SHALL BE PROTECTED WITH CORROSION-RESISTANT SCREENS, LOUVERS OR GRILLES, AS SHOWN AND SPECIFIED. OPENINGS SHALL BE PROTECTED AGAINST ALL LOCAL WEATHER CONDITIONS.
- P. PROVIDE VIBRATION ISOLATION TO ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE.
- Q. COORDINATE DUCTWORK AND EQUIPMENT LOCATIONS WITH ELECTRICAL WORK AND PLUMBING WORK. PROVIDE ADEQUATE ACCESS SPACE AROUND ABOVE-CEILING CONCEALED EQUIPMENT FOR MAINTENANCE.
- R. PROVIDE VOLUME DAMPERS AT ALL SUPPLY AND RETURN AIR TAKE-OFFS, TYPICAL.
- S. DUCTWORK WRAP SHALL BE FURNISHED FOR ALL DUCTWORK. ALL DUCTWORK IN CEILING CAVITY. INSULATE WITH 2" DUCT WRAP, MINIMUM INSULATION VALUE OF R-8.
- T. PROVIDE ROUND U.L. CLASS 1 FLEXIBLE DUCT WITH 1" THICK FIBERGLASS INSULATION AND BI-DIRECTIONAL REINFORCED METALLIZED VAPOR BARRIER. FLEXIBLE DUCT SHALL BE THE SAME SIZE AS AIR DISTRIBUTION DEVICE NECK DIAMETER. SECURE FLEXIBLE DUCT TO SPIN-IN AND AIR DEVICE NECK WITH CORROSION RESISTANT METAL CLAMPS AND SEAL VAPOR BARRIER WITH SMACNA APPROVED TAPE. MAXIMUM FLEX DUCT LENGTH NOT TO EXCEED 6 FEET.
- U. ALL DUCTWORK MUST BE SEALED IN ACCORDANCE WITH SMACNA. PRESSURE SENSITIVE TAPE SHALL NOT BE USED AS THE PRIMARY SEALANT.
- V. INSTALL ALL DUCTS AS PER SMACNA AND NFPA 90B. ENSURE THAT DUCT FASTENERS AND SEALANTS ARE USED. SEAL ALL LONGITUDINAL SEAMS AND ALL TRANSVERSE SEAMS.
- W. PROVIDE OPERATION AND MAINTENANCE MANUALS FOR ALL SYSTEMS TO A/E UPON COMPLETION.
- X. PROVIDE ALL BALANCING DAMPERS REQUIRED TO BALANCE EACH TAKEOFF.
- Y. ALL HVAC EQUIPMENT AND ASSOCIATED DISCONNECTS SHALL BE LABELED WITH THE EQUIPMENT NUMBER PERMANENTLY AFFIXED WITH AN ENGRAVED PLASTIC LABEL.
- Z. PROVIDE 150% TAKE-OFF AT ALL ROUND DUCT TAKE-OFFS FROM RECTANGULAR DUCTWORK. TYPICAL.
- AA. PROVIDE COMPLETE TEST AND BALANCE REPORT OF HVAC SYSTEMS, EQUIPMENT AND AIR DEVICES.
- AB. PROVIDE AS-BUILT RECORD DOCUMENTS UPON COMPLETION.

SCHEDULE OF EXHAUST FANS									
MARK	MANUFACTURER AND MODEL NO.	TYPE	CFM	EXT. S.P.	MAX. SONES	ELECTRICAL			REMARKS
						WATTS	HP	VOLT/PH	
EF-1	GREENHECK 6-060-D	ROOF DOWNBLAST FAN	75	0.20"	2.9	--	1/60	120/1	1-5
EF-2	GREENHECK 6-060-D	ROOF DOWNBLAST FAN	75	0.20"	2.9	--	1/60	120/1	1-5

- NOTES:
- UNIT TO INCLUDE SOLID STATE SPEED CONTROL.
  - UNIT TO INCLUDE GRAVITY OPERATED DAMPER, SHIPPED LOOSE. MODEL BD-90-PB-8X8.
  - UNIT TO INCLUDE BIRDSCREEN, GALVANIZED.
  - UNIT TO INCLUDE GPI-19-8-616 CURB.
  - UNIT TO INCLUDE SECURITY BARS IN CURB.

SCHEDULE OF GRILLES AND DIFFUSERS										
MARK	MANUFACTURER AND MODEL NO.	TYPE	CFM	MOUNT	NECK	MODULE	DAMPER	MATERIAL	FINISH	REMARKS
S-1	KRUEGER SHR W/OBD	4-WAY CEILING DIFFUSER	40	CEILING	6"	12"x12"	YES	STEEL	WHITE	1
S-2	KRUEGER SHR W/OBD	4-WAY CEILING DIFFUSER	125-230	CEILING	8"	24"x24"	YES	STEEL	WHITE	1
R-1	KRUEGER S80	SINGLE DEFLECTION 3/4" BLADE GRILLE	75	DUCT	8"x8"	12"x12"	YES	STEEL	WHITE	1
R-2	KRUEGER S80	SINGLE DEFLECTION 3/4" BLADE GRILLE	125-537	DUCT	14"x14"	24"x24"	YES	STEEL	WHITE	1

- NOTE:
- SEE DRAWINGS FOR LOCATION AND SIZES OF GRILLES.

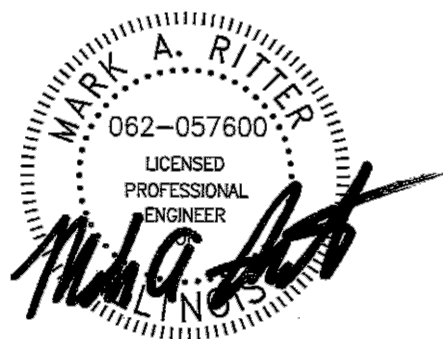
ROOFTOP UNIT SCHEDULE																			
		AIR FLOW		COOLING COIL						HEAT		ELECTRICAL POWER					UNIT DATA		NOTES
MARK	MODEL NUMBER	SUPPLY AIR FLOW CFM	MINIMUM OUTSIDE AIR FLOW	TOTAL MBH	SENSIBLE MBH	ENT. COIL TEMP °F DB/WB	ENT. COIL TEMP °F DB/WB	LYG. COIL TEMP °F DB/WB	OUTPUT MBH	INPUT MBH	APPROX. EXT. SP (IN H.G.)	APPROX. MOTOR HP	VOLT	PHASE	HZ	MOP	MCA	WEIGHT LBS.	
RTU-1	CARRIER 48HCDA04M0A3A6F5C0 3 TON; 1-STAGE	1200	70	37.3	28.3	95/78	80/67	57/57	65	53	0.5"	1	208	1	60	50	34	821	1-10

- NOTES (ALL NOTES APPLIES TO BOTH UNITS):
- UNITS ARE HIGH EFFICIENCY (MINIMUM 15 SEER).
  - UNIT HAS LOW GAS HEAT.
  - UNIT HAS 1-STAGE COOLING.
  - UNIT HAS DIRECT DRIVE ECM MOTOR.
  - UNIT HAS ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF.
  - UNIT HAS HINGED PANELS.
  - UNIT HAS POWERED CONVENIENCE OUTLET.
  - UNIT HAS NON-FUSED DISCONNECT.
  - UNIT HAS CONDENSER COIL HAIL GUARD.
  - UNIT HAS DIFFERENTIAL ENTHALPY SENSOR.

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EDWARDSVILLE, IL 62025 F: 618.656.8353

R19-155

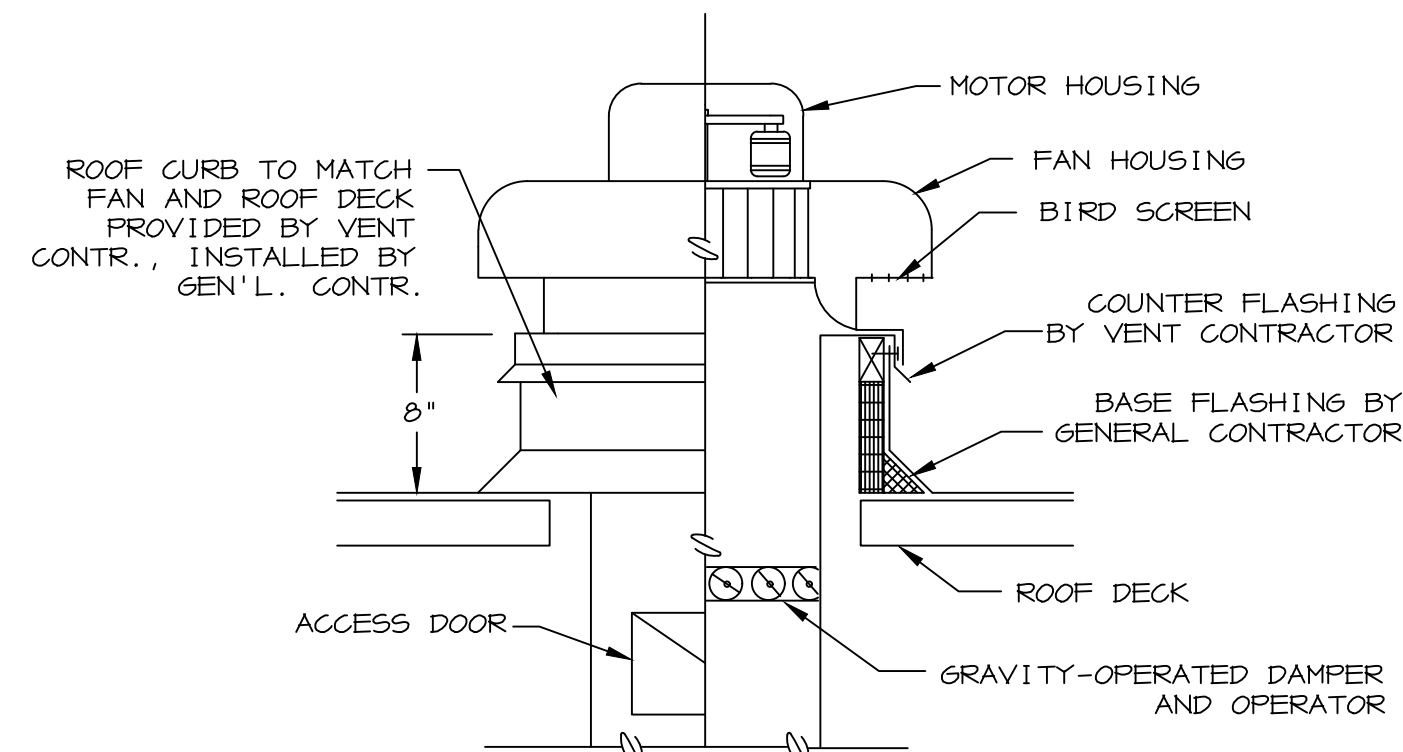


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11/30/21  
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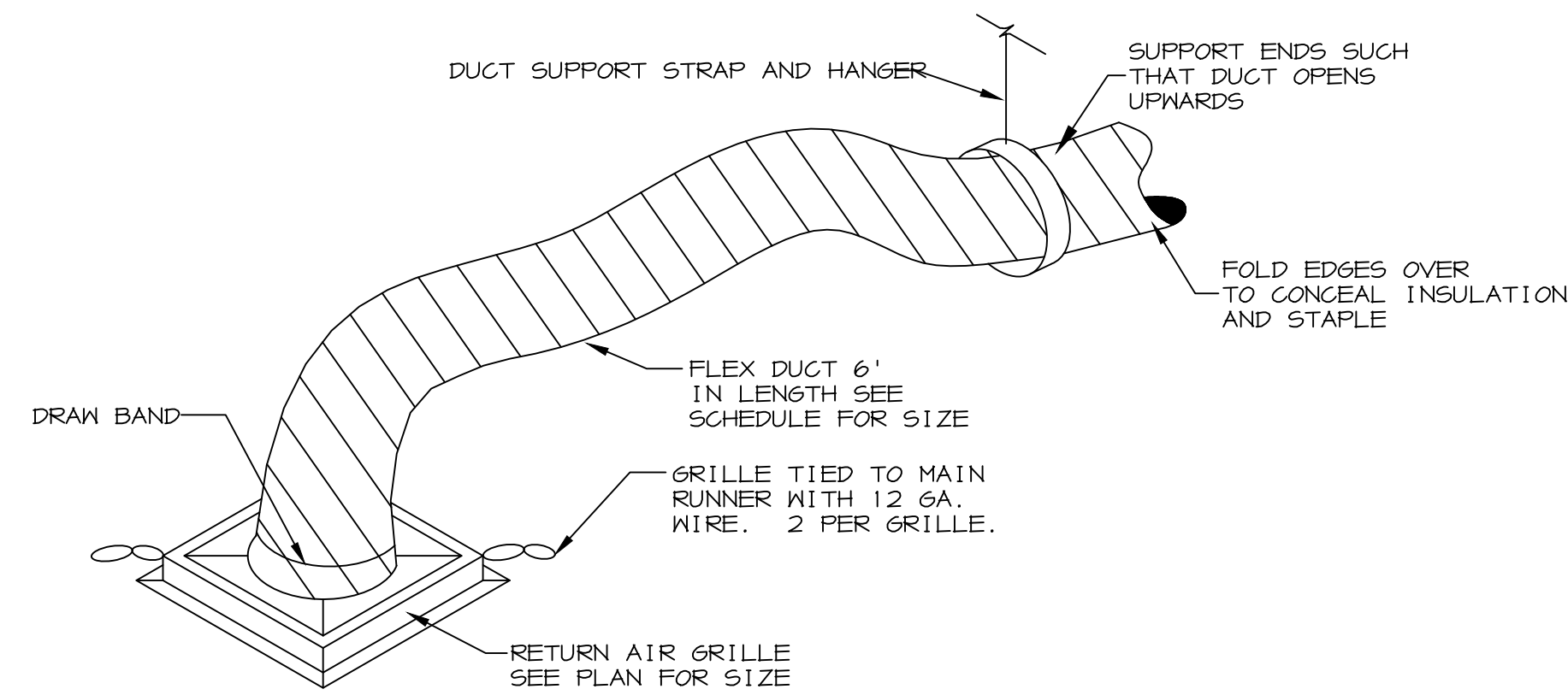
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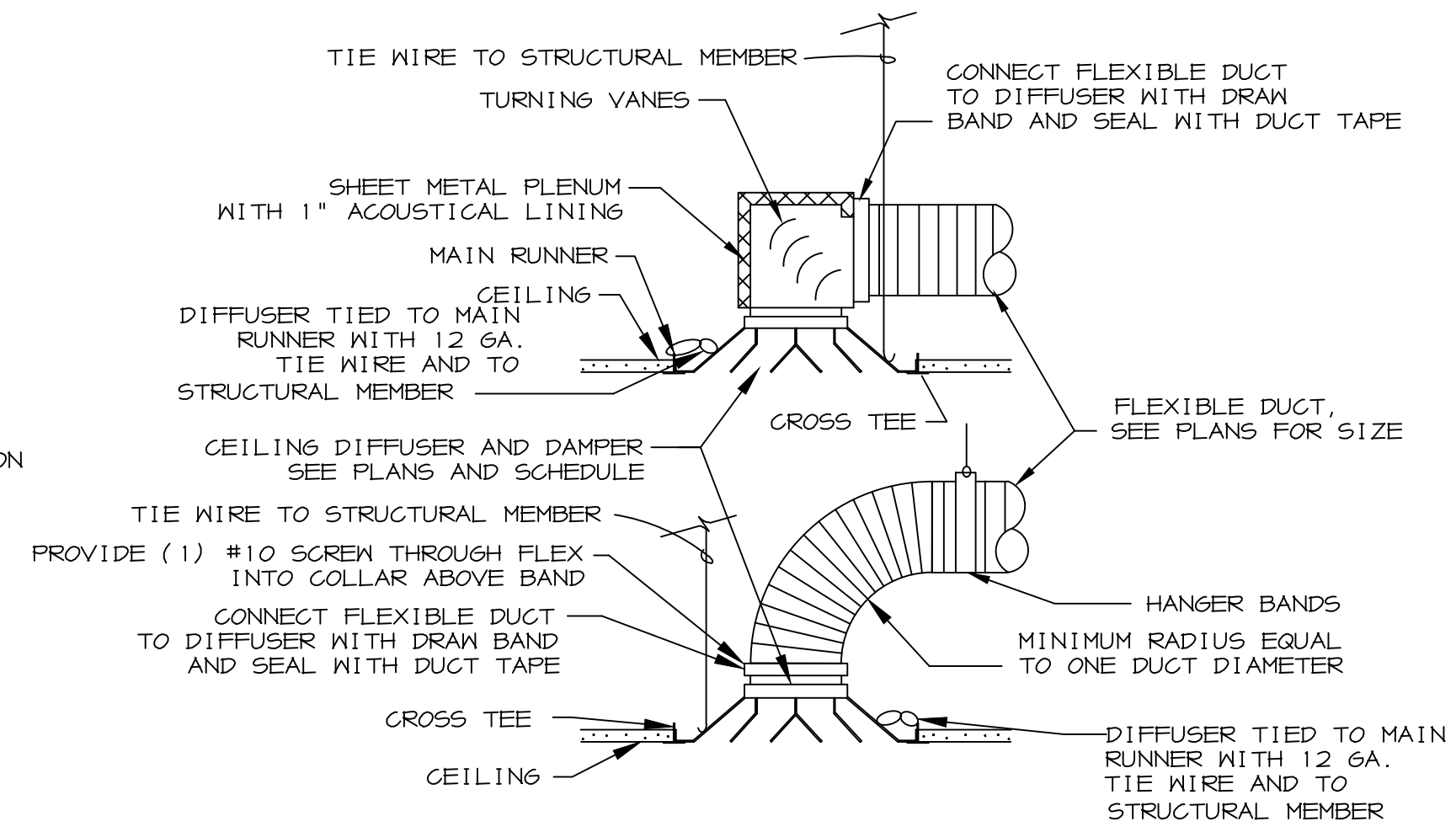
SHEET OF		M-2		DATE	02/28/20
				BY	CDB
				REV	



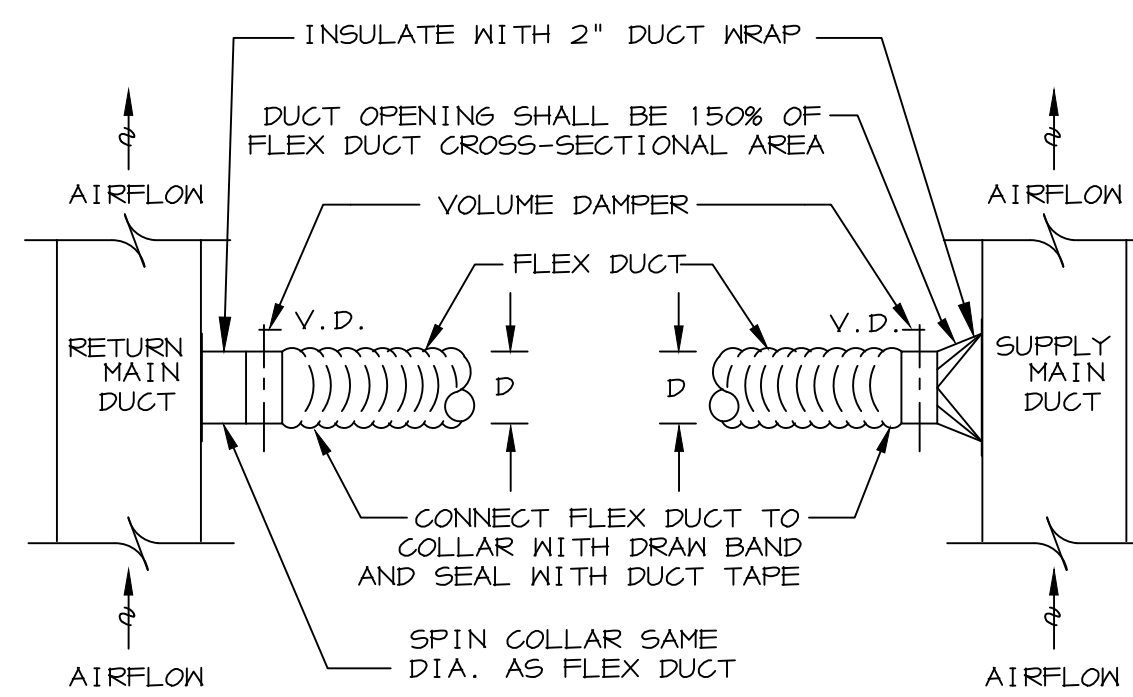
1 POWER ROOF VENTILATOR  
M-3 NO SCALE



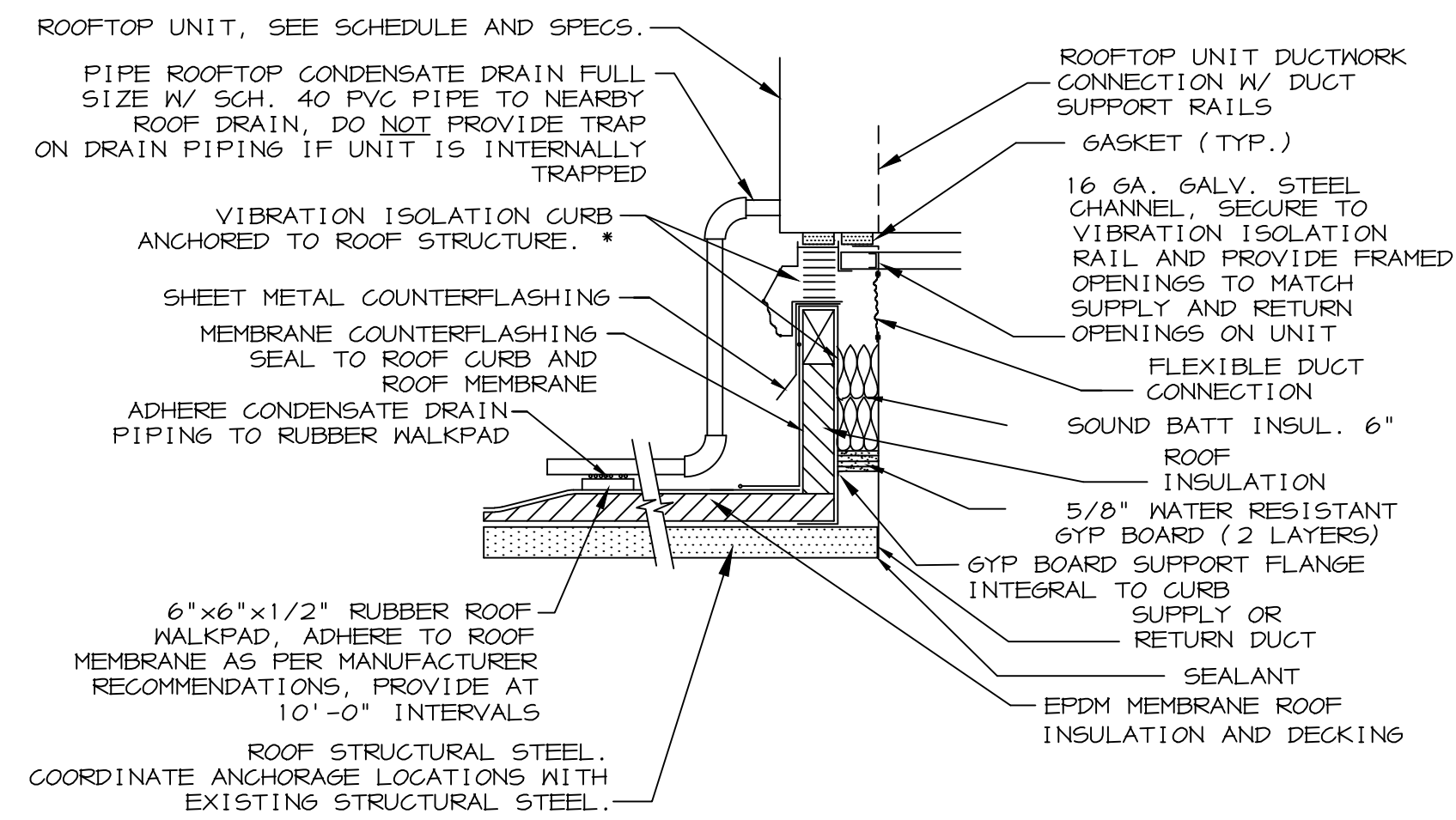
2 FLEX DUCT/SOUND DAMPENING DETAIL  
M-3 NO SCALE



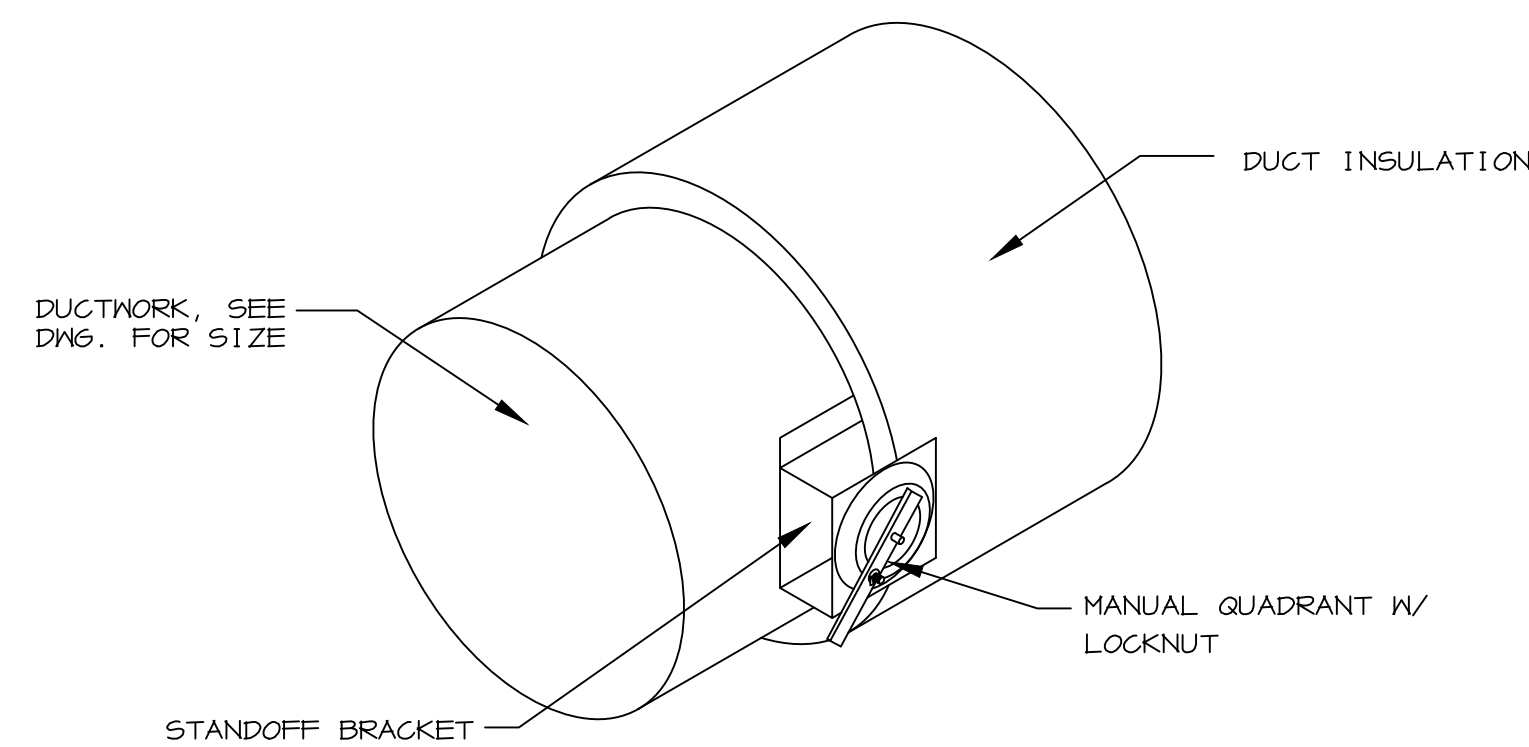
3 DIFFUSER FLEX CONNECTION DETAIL  
M-3 NO SCALE



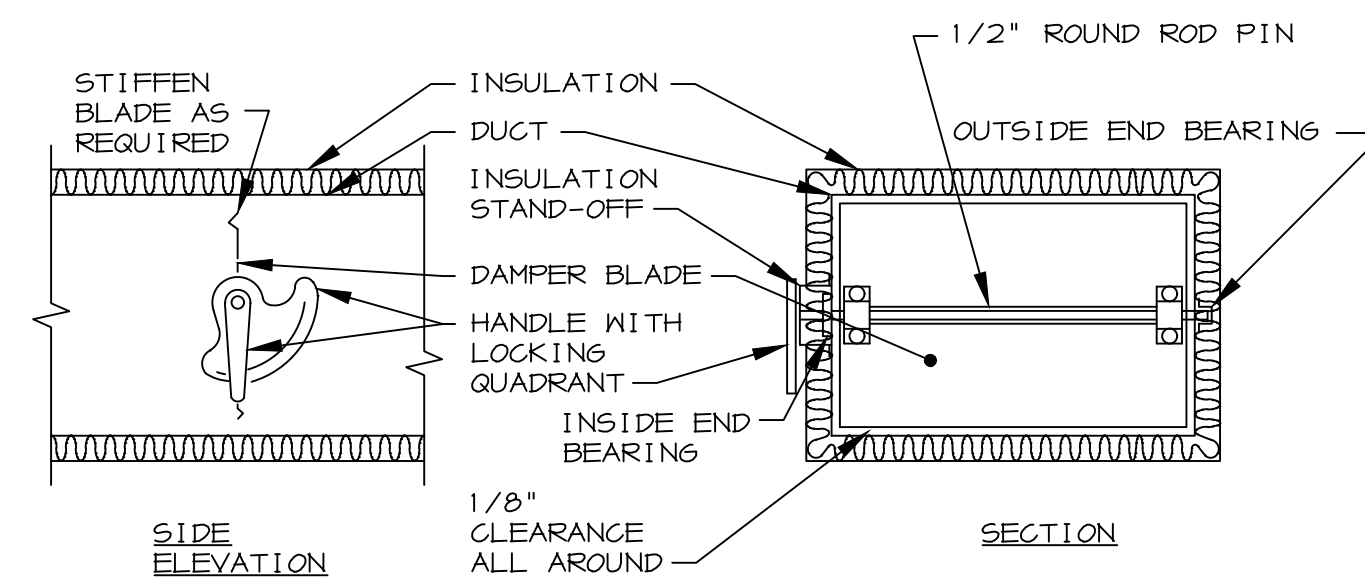
4 FLEX DUCT CONNECTION DETAILS  
M-3 NO SCALE



5 ROOFTOP UNIT CURB DETAIL-W/VIBRATION ISOLATION CURB  
M-3 NO SCALE



6 MANUAL VOLUME DAMPER INSTALLATION DETAIL  
M-3 NO SCALE

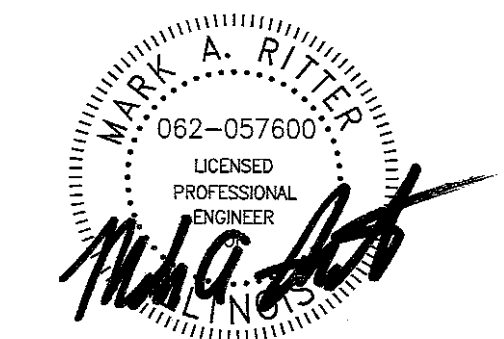


7 VOLUME DAMPER DETAIL W/ EXTERIOR DUCT WRAP  
M-3 NO SCALE

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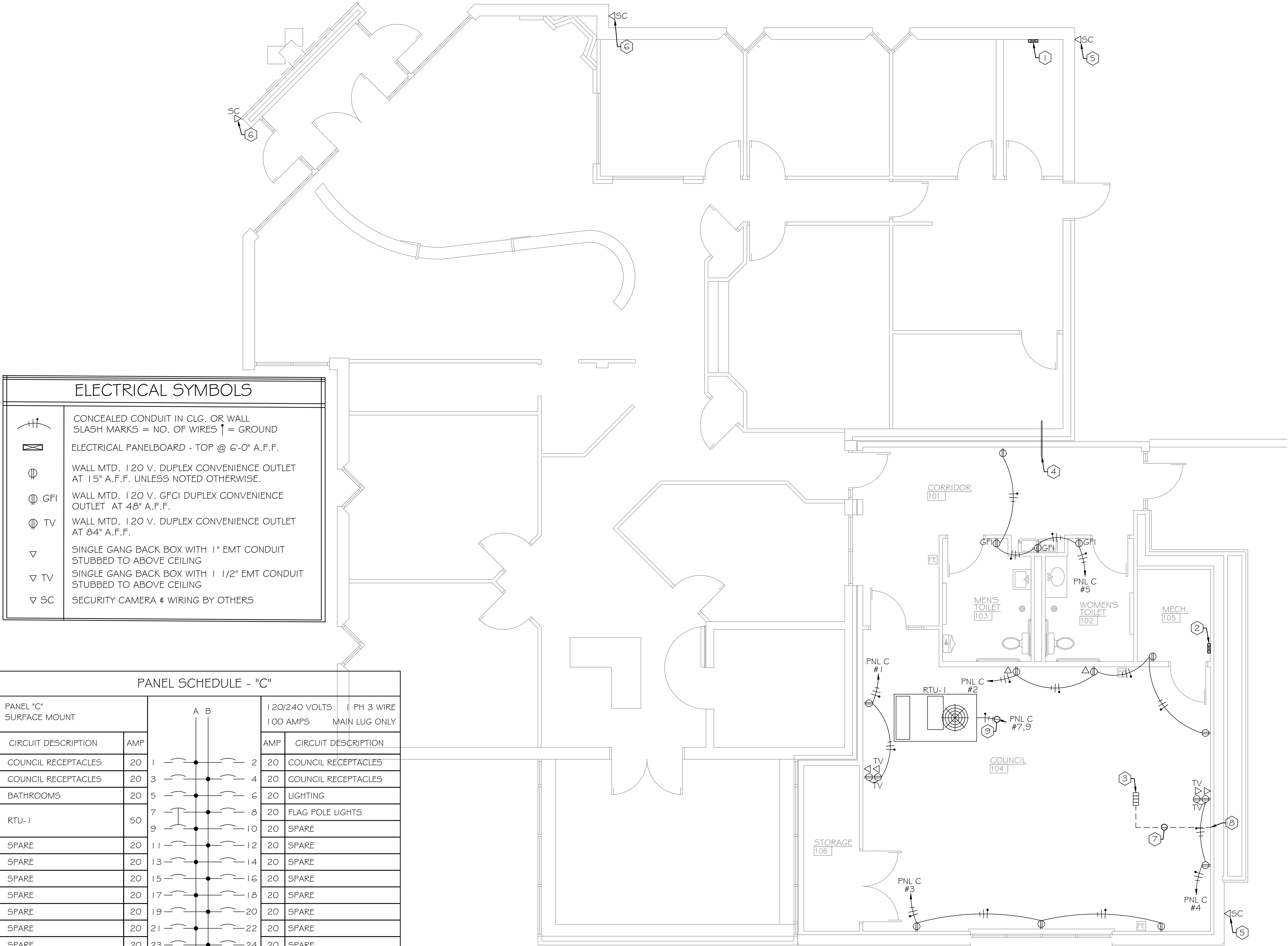
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MOUNT CARMEL CITY HALL ADDITION  
MT. CARMEL, ILLINOIS

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ELECTRICAL SYMBOLS	
	CONCEALED CONDUIT IN CLG. OR WALL SLASH MARKS = NO. OF WIRES ↑ = GROUND
	ELECTRICAL PANELBOARD - TOP @ 6'-0" A.F.F.
	WALL MTD. 120 V. DUPLEX CONVENIENCE OUTLET AT 15" A.F.F. UNLESS NOTED OTHERWISE.
	WALL MTD. 120 V. GFCI DUPLEX CONVENIENCE OUTLET AT 48" A.F.F.
	WALL MTD. 120 V. DUPLEX CONVENIENCE OUTLET AT 84" A.F.F.
	SINGLE GANG BACK BOX WITH 1" EMT CONDUIT STUBBED TO ABOVE CEILING
	SINGLE GANG BACK BOX WITH 1 1/2" EMT CONDUIT STUBBED TO ABOVE CEILING
	SECURITY CAMERA & WIRING BY OTHERS

PANEL SCHEDULE - "C"			
PANEL "C" SURFACE MOUNT		A B	120/240 VOLTS 100 AMPS 1 PH 3 WIRE MAIN LUG ONLY
CIRCUIT DESCRIPTION	AMP		
COUNCIL RECEPTACLES	20	1 — 2	20 COUNCIL RECEPTACLES
COUNCIL RECEPTACLES	20	3 — 4	20 COUNCIL RECEPTACLES
BATHROOMS	20	5 — 6	20 LIGHTING
RTU-1	50	7 — 8	20 FLAG POLE LIGHTS
		9 — 10	20 SPARE
SPARE	20	11 — 12	20 SPARE
SPARE	20	13 — 14	20 SPARE
SPARE	20	15 — 16	20 SPARE
SPARE	20	17 — 18	20 SPARE
SPARE	20	19 — 20	20 SPARE
SPARE	20	21 — 22	20 SPARE
SPARE	20	23 — 24	20 SPARE
SPARE	20	25 — 26	20 SPARE
SPARE	20	27 — 28	20 SPARE
SPARE	20	29 — 30	20 SPARE

**ELECTRICAL PLAN**  
1/4" = 1'-0"

GENERAL NOTES:

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- CONTRACT DOCUMENT DRAWINGS FOR ELECTRICAL WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- INSTALL ALL ELECTRICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS AND APPLICABLE CODES AND REGULATIONS.
- PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE.
- ALL WIRING SHALL BE #12 AWG COPPER MC CABLE UNLESS SPECIFIED OTHERWISE.
- PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELBOARDS UPON THE COMPLETION OF ALL WORK.

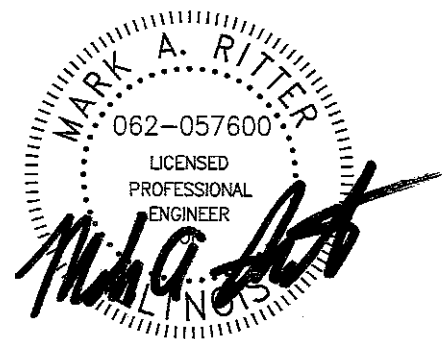
ELECTRICAL KEYED "⊗" NOTES:

- EXISTING SQUARE D, 400A, 120/208V, THREE PHASE ELECTRICAL PANEL SHALL REMAIN. REMOVE (2) EXISTING 20A-1P SPARE CIRCUIT BREAKERS AND INSTALL A NEW 100A-2P CIRCUIT BREAKER TO FEED NEW PANEL "C".
- PROVIDE NEW PANEL "C". PANEL SHALL BE 100A, 120/208V, SINGLE PHASE, 20 SPACE, MAIN LUG ONLY AND SHALL CONTAIN (18) 20A-1P CIRCUIT BREAKERS AND (1) 40A-2P CIRCUIT BREAKER. ROUTE 3-#3 AWG #8 AWG GND IN A 1/4" CONDUIT TO THE EXISTING 400A ELECTRICAL PANEL. CONNECT TO THE NEW 100A-2P CIRCUIT BREAKER WITHIN PANEL.
- INSTALL A FOUR SECTION FLOOR BOX WITH STAINLESS STEEL COVER. (2) SECTIONS OF FLOOR BOX SHALL CONTAIN DUPLEX RECEPTACLES. (2) SECTIONS SHALL BE BLANK FOR FUTURE CABLING BY OTHERS.
- STUB A 1" CONDUIT THROUGH WALL ABOVE CEILINGS FOR FUTURE CABLING BY OTHERS.
- INSTALL A SINGLE GANG BACKBOX WITH 1" CONDUIT STUBBED TO ABOVE COUNCIL CEILING FOR FUTURE CABLING BY OTHERS.
- SECURITY CAMERA AND WIRING SHALL BE INSTALLED BY OTHERS.
- ROUTE 3/4" POWER CONDUIT AND 1 1/2" DATA CONDUIT BELOW FLOOR SLAB.
- EXTEND CONDUITS CONCEALED WITHIN NEW WALL AND EXTEND TO ABOVE CEILING. PROVIDE PULL ROPE IN 1 1/2" CONDUIT.
- WIRING SHALL BE #8 AWG.

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MOUNT CARMEL CITY HALL ADDITION  
MT. CARMEL, ILLINOIS

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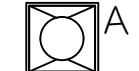
LIGHTING SYMBOLS



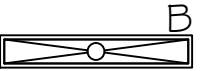
CONCEALED CONDUIT IN CLG. OR WALL  
SLASH MARKS = NO. OF WIRES ↑ = GROUND




ELECTRICAL PANELBOARD - TOP @ 6'-0" A.F.F.



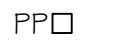
2x2 RECESSED LIGHT FIXTURE




4 FOOT SURFACE MOUNTED LIGHT FIXTURE




OCCUPANCY SENSOR POWER PACK




OCCUPANCY SENSOR POWER PACK




CEILING OCCUPANCY SENSOR




OCCUPANCY SENSOR/SWITCH



LOW VOLTAGE DIMMER SWITCH



SINGLE POLE SWITCH



EXIT SIGN

LIGHTING SCHEDULE						
TAG	MANUF.	CAT. NO.	VOLT	LAMPS		DESCRIPTION
				NO.	WATTS	
A	COLUMBIA	LCAT22-40HLG-EDU	120	--	33	LED 2x2, 3700 LUMEN, RECESSED LED LIGHT FIXTURE.
AE	COLUMBIA	LCAT22-40HLG-EDU-ELL14	120	--	33	LED 2x2, 3700 LUMEN, RECESSED LED LIGHT FIXTURE WITH BATTERY BACKUP.
B	COLUMBIA	LAW4-40LW-ED-U-ELL14	120	--	33	LED 4 FOOT, 4000 LUMEN LED WRAPROUND LIGHT FIXTURE WITH BATTERY BACKUP.
C	PRESCOLITE	LC6SL6LC5L18L40KBWT	120	--	20	LED 6" 1800 LUMEN LED CAN LIGHT.
D	HUBBELL	RAR5-360L-190-4K7-M-UNV-K-DB	120	--	190	LED 25,000 LUMEN LED FLAG POLE LIGHT.
⊗	SURE LITES	CX71SD	120			BRUSHED ALUMINUM LED EXIT SIGN WITH SELF DIAGNOSTICS.
POWER PACK	HUBBELL	UVPPHD	120			UNIVERSAL LIGHTING POWER PACK.
CEILING OCC. SENSOR	HUBBELL	OMNIDT2000	120			CEILING MOUNTED DUAL TECHNOLOGY ULTRASONIC AND PASSIVE INFRARED OCCUPANCY SENSOR.
WALL OCC. SENSOR	HUBBELL	LHMTS1-N-WH	120			WALL MOUNTED DUAL TECHNOLOGY ULTRASONIC AND PASSIVE INFRARED OCCUPANCY SENSOR.
WALL DIMMER	HUBBELL	LV5D-L3-WH	120			LOW VOLTAGE DIMMABLE SWITCH STATION.

N

LIGHTING PLAN

1/4"=1'-0"

GENERAL NOTES:

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B. CONTRACT DOCUMENT DRAWINGS FOR ELECTRICAL WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.

C. INSTALL ALL ELECTRICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS AND APPLICABLE CODES AND REGULATIONS.

D. PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE.

E. ALL WIRING SHALL BE #12 AWG COPPER MC CABLE UNLESS SPECIFIED OTHERWISE.

F. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELBOARDS UPON THE COMPLETION OF ALL WORK.

LIGHTING KEYED "⊗" NOTES:

1. ROUTE LOW VOLTAGE DIMMER WIRING FROM DIMMER SWITCH TO ALL THE FIXTURES DESIGNATED AS SWITCH "a".

2. ROUTE LOW VOLTAGE DIMMER WIRING FROM DIMMER SWITCH TO ALL THE FIXTURES DESIGNATED AS SWITCH "b".

3. PROVIDE RETROFIT LED CAN LIGHTS AND TRIMS FOR EXISTING CAN LIGHTS. RECONNECT TO EXISTING WIRING.

4. PROVIDE GROUND MOUNTED FLOOD LIGHT FOR EACH OF (3) FLAG POLES. LIGHTS SHALL BE INSTALLED ON A NEW 12" DIAMETER CONCRETE BASE. FIELD AIM FIXTURES AT FLAGS AS REQUIRED. ROUTE #12 AWG WIRING THROUGH A NEW PHOTOCELL INSTALLED ON THE NORTH SIDE OF THE BUILDING. CIRCUIT SHALL ORIGINATE AT PANEL C, CIRCUIT NO. 8.

WRFT

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