

NEW RETAIL FACILITY

BOWLING GREEN, KY 42104

CONSTRUCTION CODES

BUILDING CODE: 2018 KENTUCKY BUILDING CODE
FIRE CODE: 2015 INTERNATIONAL FIRE CODE
PLUMBING CODE: KENTUCKY STATE PLUMBING CODE
ELECTRICAL CODE: 2023 NATIONAL ELECTRICAL CODE
MECHANICAL CODE: 2015 INTERNATIONAL MECHANICAL CODE
ACCESSIBILITY CODE: ICC ANSIF A117.1-2009

SQUARE FOOTAGES

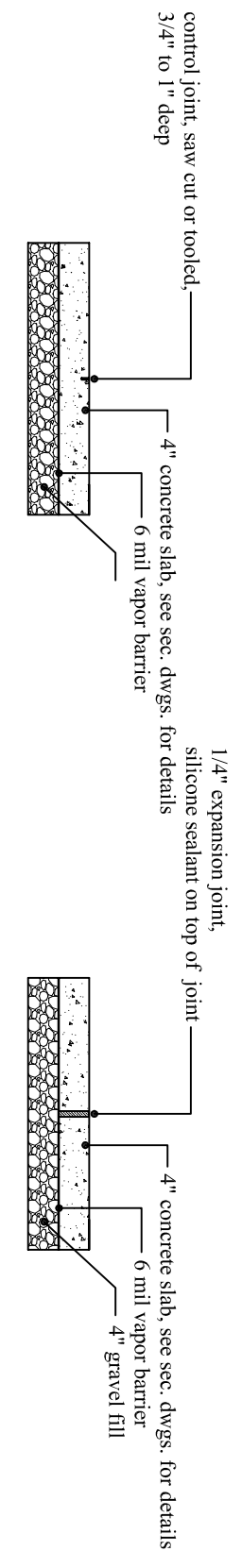
BASEMENT: 3,845 S.F., EXTERIOR CORNER METHOD
MAIN FLOOR: 3,845 S.F., EXTERIOR CORNER METHOD
TOTAL UNDER ROOF: 7,690 S.F.

BUILDING SCOPE / DEFINITIONS

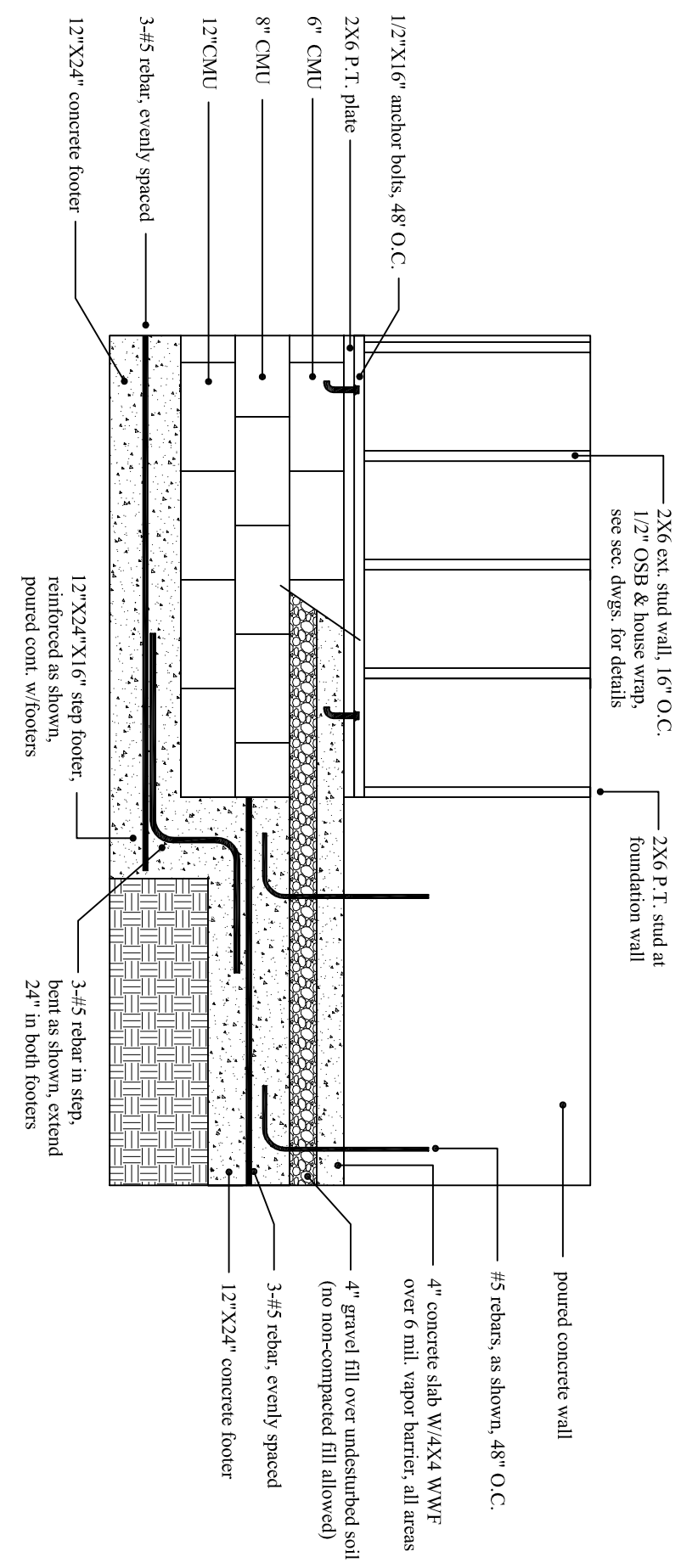
BUILDING TYPE: SECOND FLOOR, MERCANTILE - TYPE M
FIRST FLOOR STORAGE - TYPE S, GROUP S-1
CONSTRUCTION TYPE: 5A
FIRE SPRINKLERS: NONE REQUIRED

DRAWING INDEX PAGES

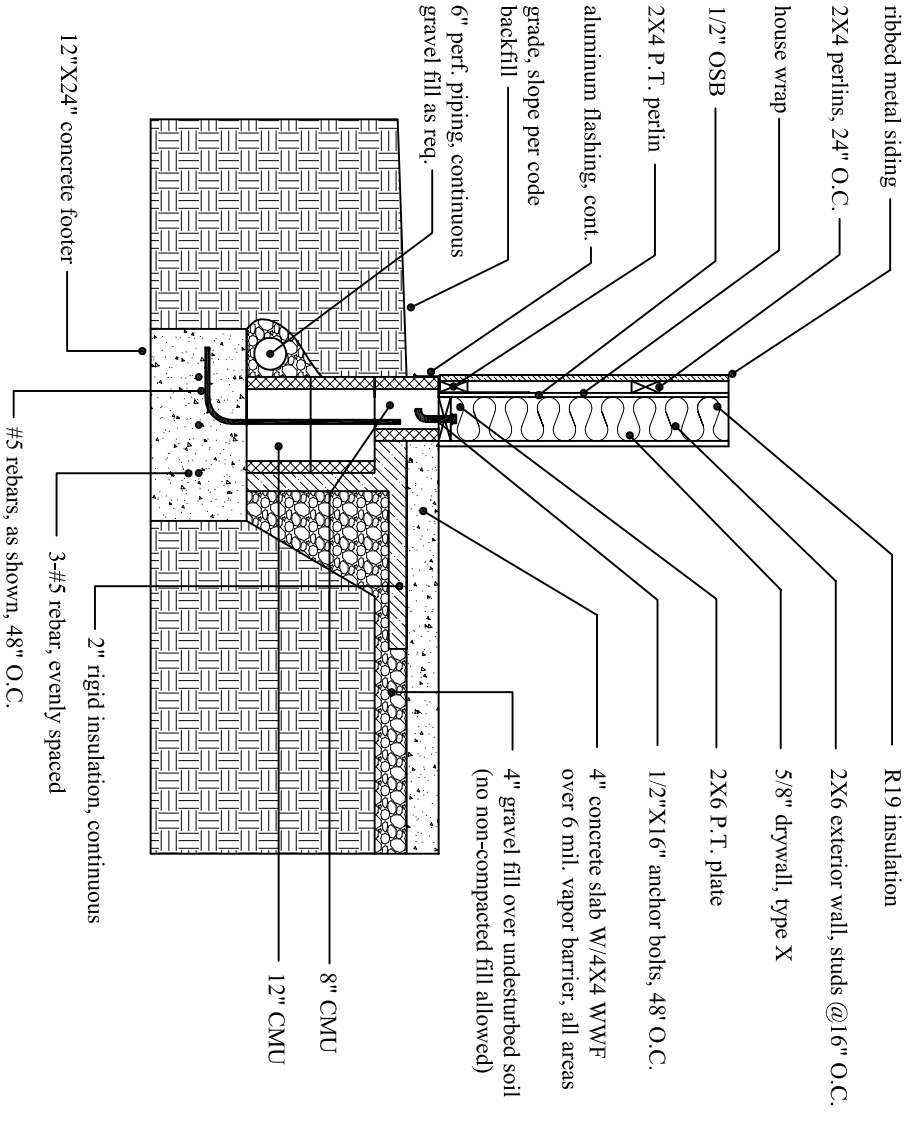
S 1.1 FOUNDATION PLAN
S 1.2 FOUNDATION DETAILS
S 1.3 FOUNDATION DETAILS
S 1.4 FOUNDATION DETAILS
S 1.5 CONCRETE SLAB DETAILS
S 2.1 TRUSS DETAILS AND LAYOUT
S 2.2 ROOF FRAMING AND TRUSS LAYOUT
S 2.3 MAIN FLOOR FRAMING AND TRUSS LAYOUT
S 2.4 ROOFING DIAGRAM AND DETAILS
A 1.1 BASEMENT FLOOR PLAN
A 1.2 MAIN FLOOR PLAN
A 2.1 EXTERIOR ELEVATIONS, ONE
A 2.2 EXTERIOR ELEVATIONS, TWO
A 3.1 BUILDING SECTIONS
A 4.1 BUILDING WALL SECTIONS
A 4.2 BUILDING WALL SECTIONS
A 4.3 BUILDING WALL SECTIONS
A 5.1 DOOR AND WINDOW DETAILS AND SCHEDULES
A 5.2 STAIRWAY DETAILS
A 6.1 INTERIOR FINISHES
A 6.2 INTERIOR FINISHES
A 7.1 REST ROOM DETAILS AND ADA COMPLIANCE
M 1.1 BASEMENT MECHANICAL PLANS, SCHEDULES, AND NOTES
M 1.2 MAIN FLOOR MECHANICAL PLANS, SCHEDULES, AND NOTES
E 1.1 BASEMENT ELECTRICAL PLAN AND NOTES
E 1.2 MAIN FLOOR ELECTRICAL PLAN AND NOTES
P 1.1 BASEMENT WASTE PLUMBING, SCHEDULE, AND NOTES
P 1.2 MAIN FLOOR WASTE PLUMBING, SCHEDULE, AND NOTES



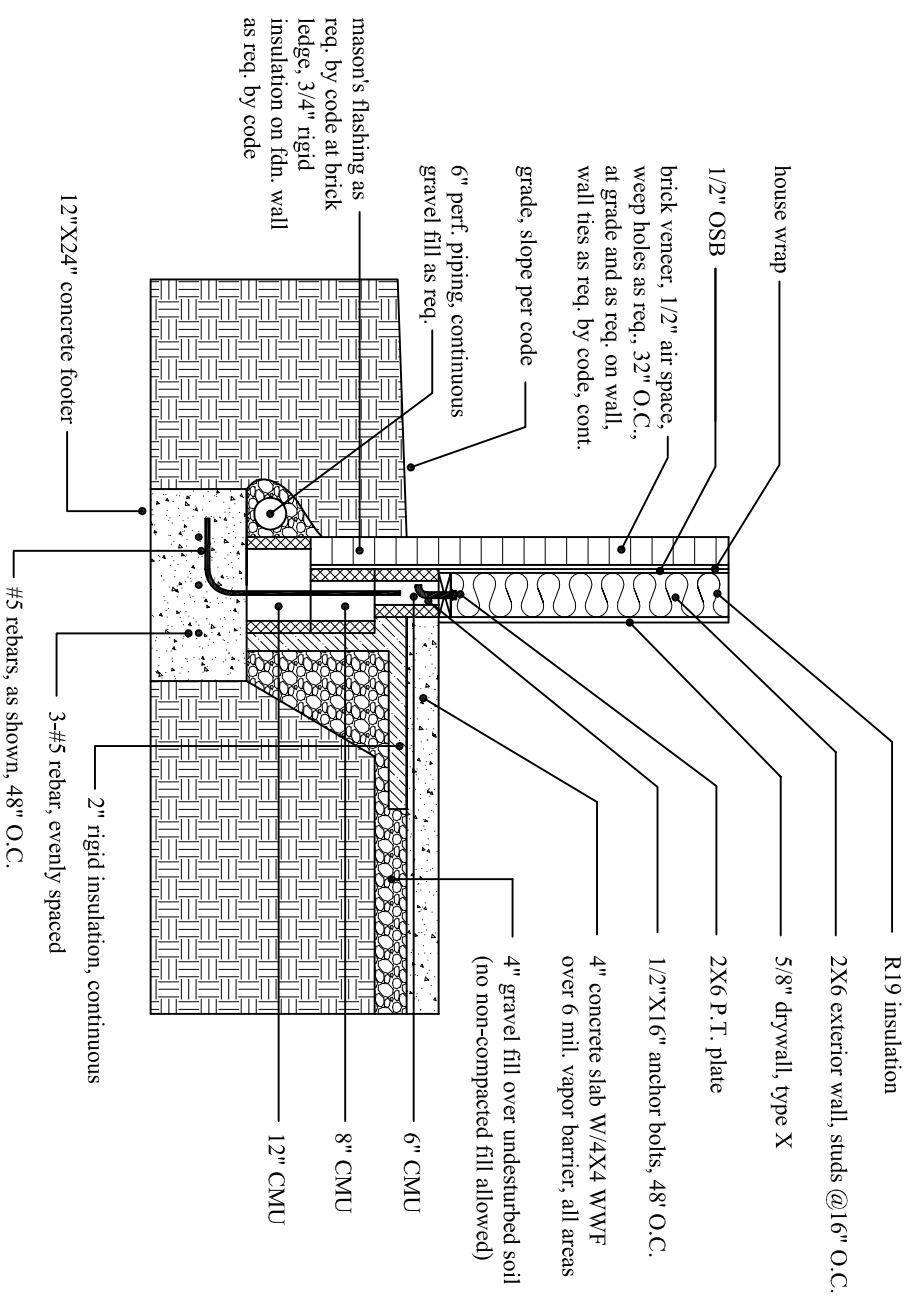
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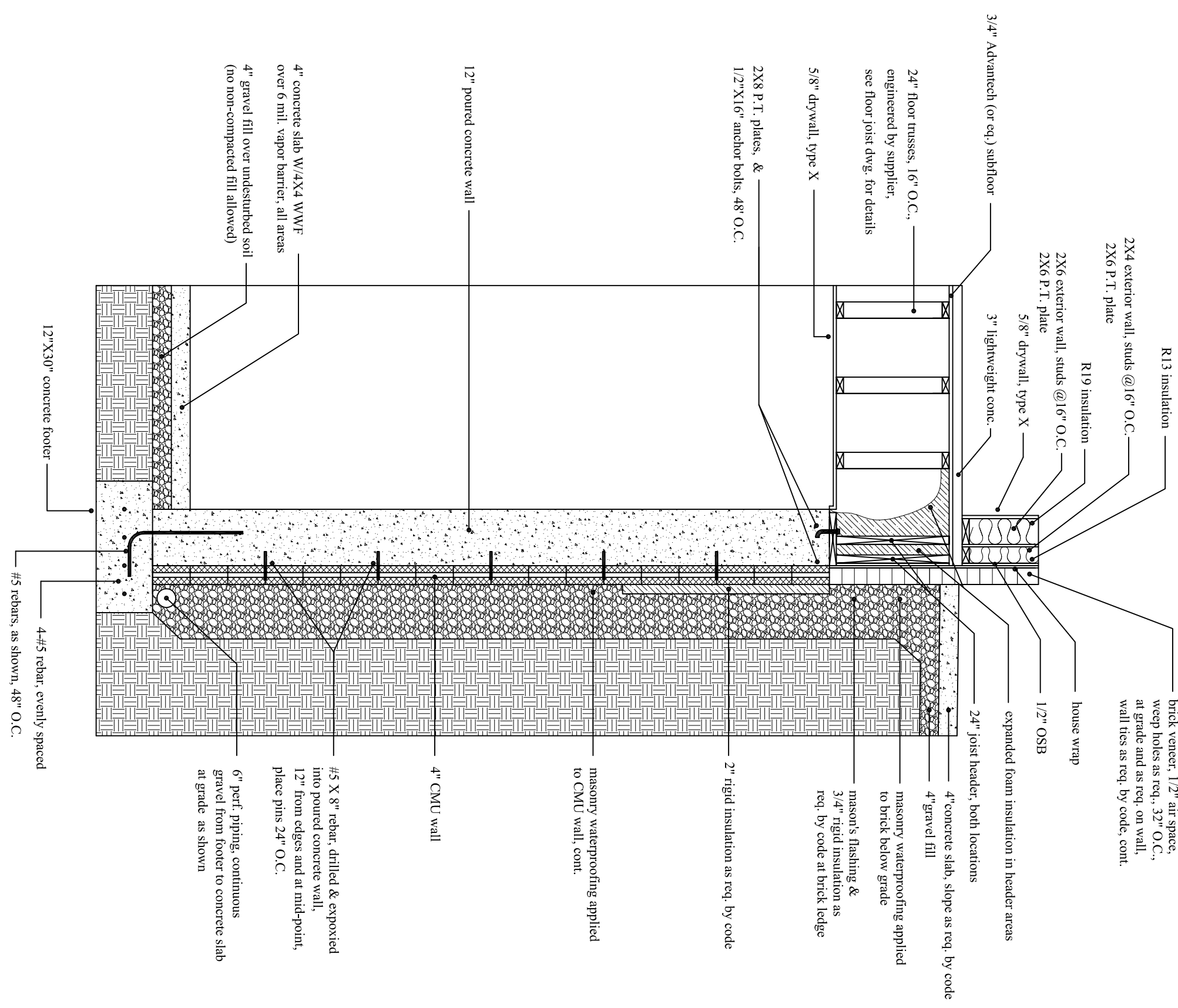
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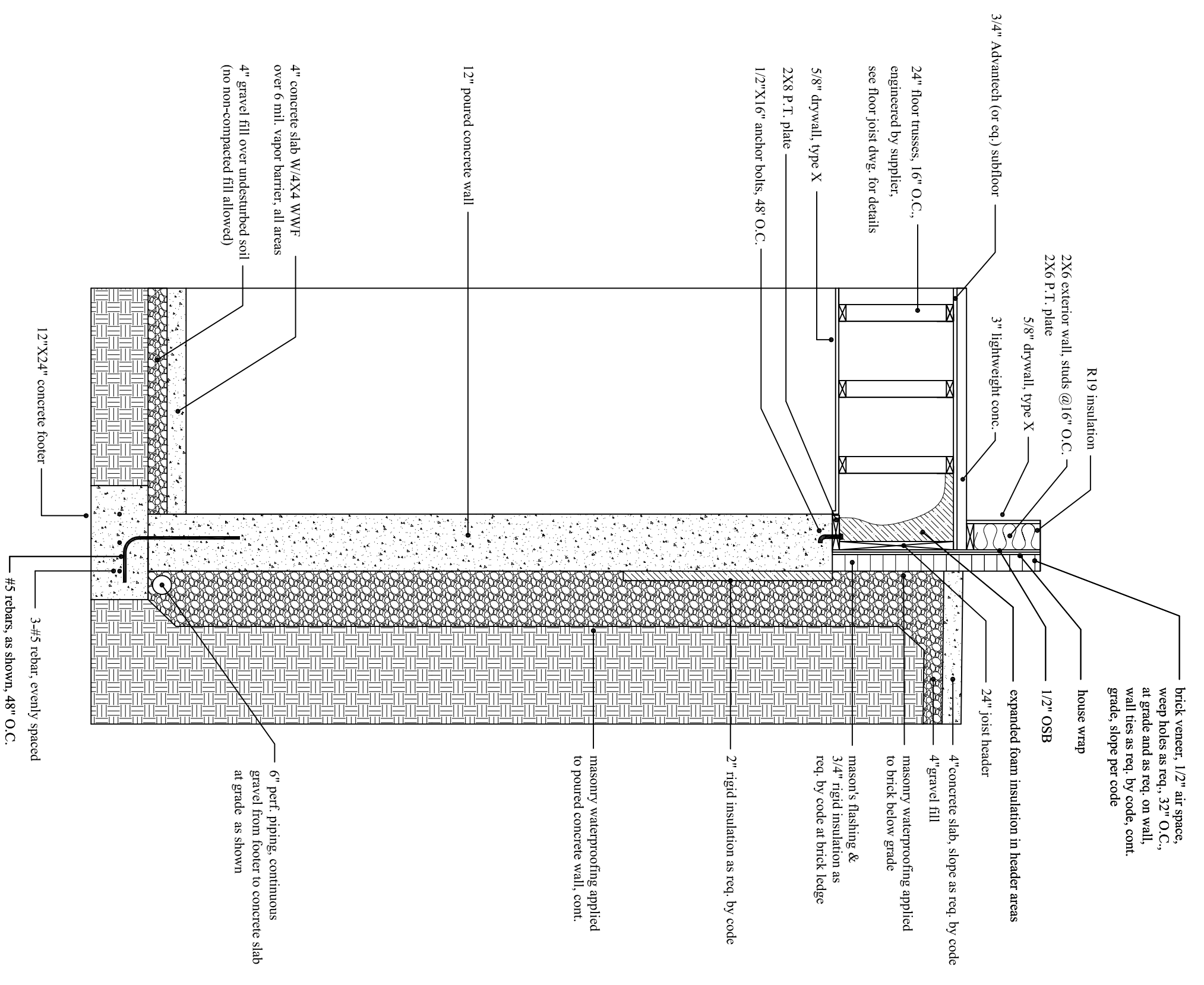
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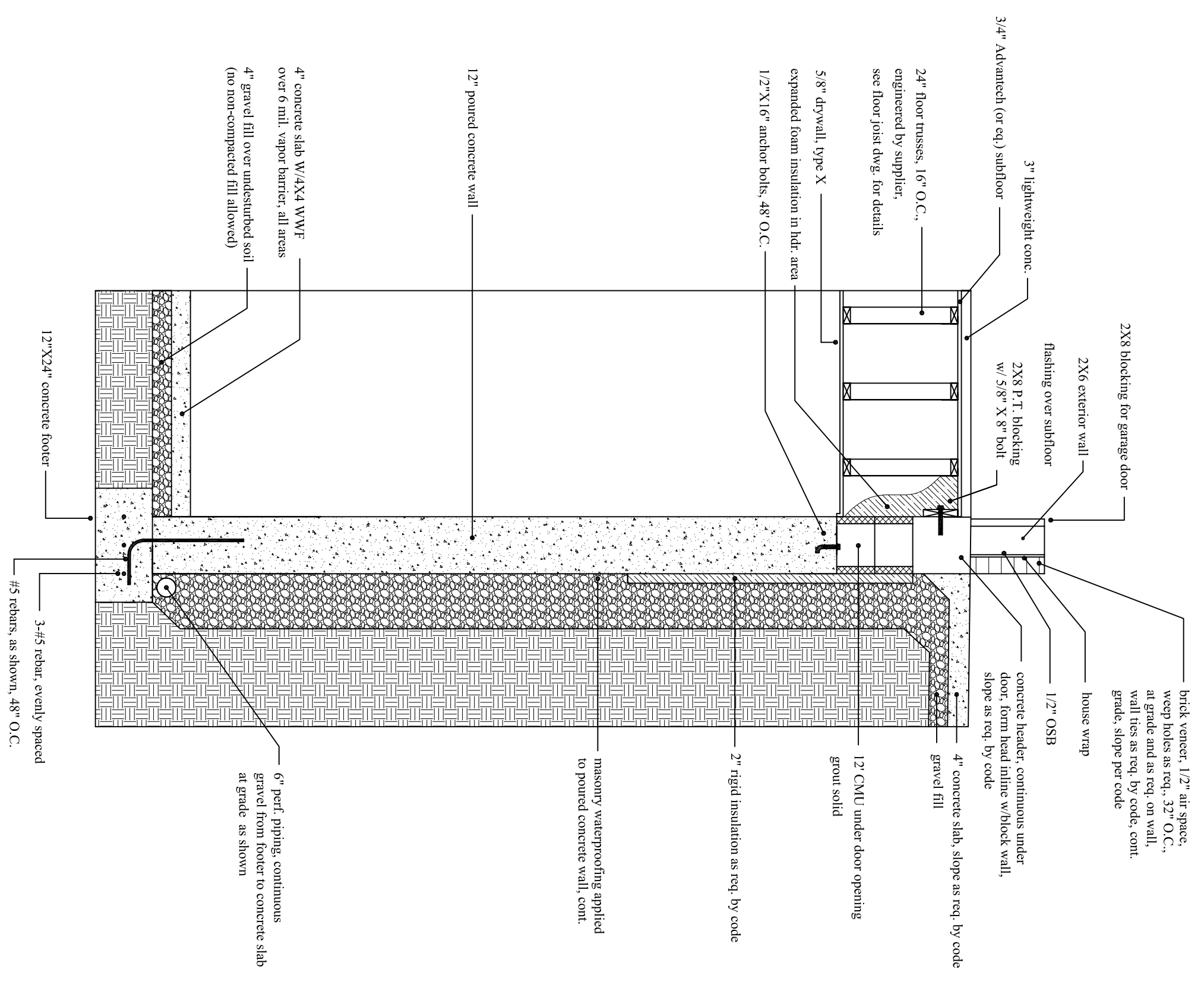
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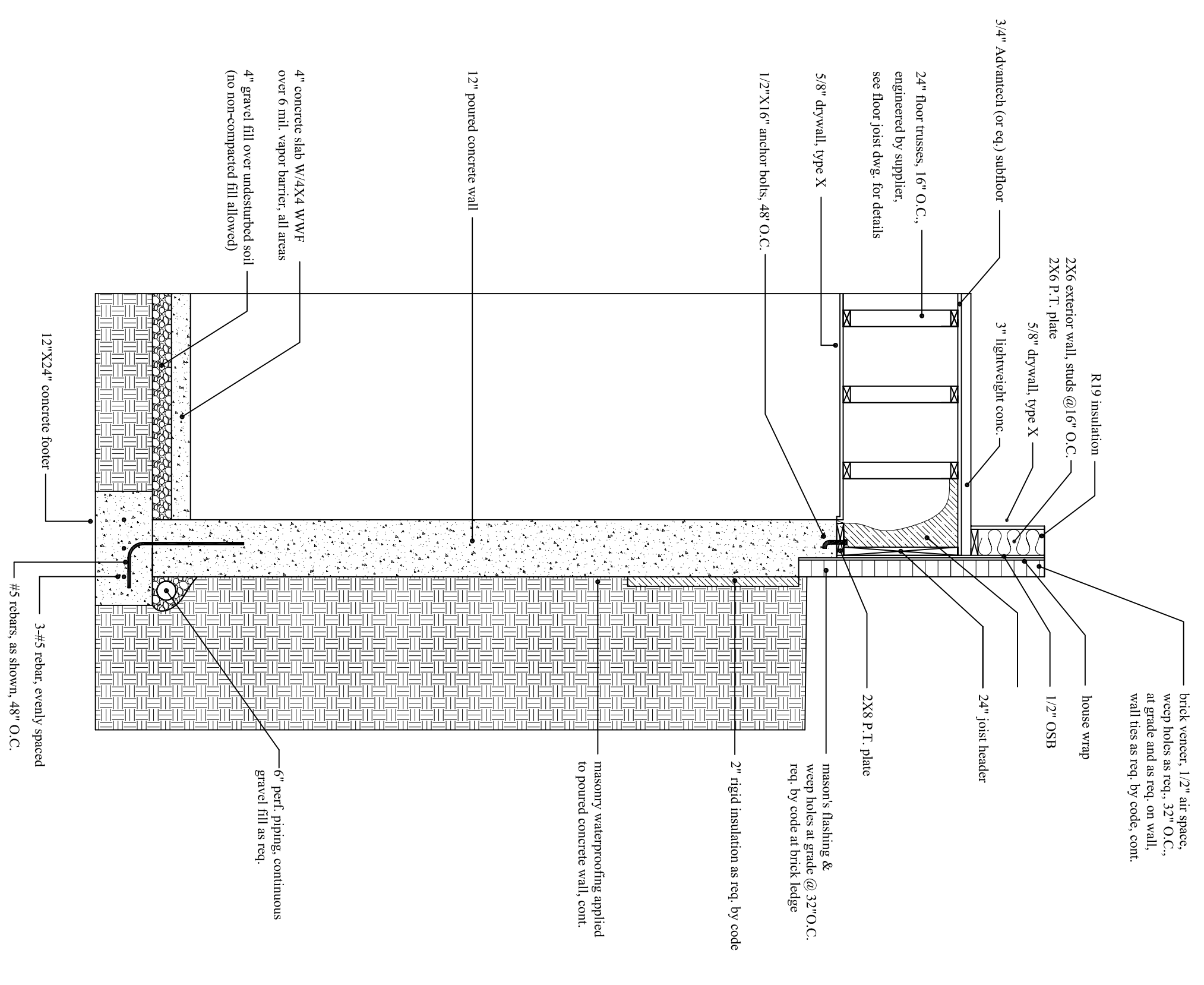
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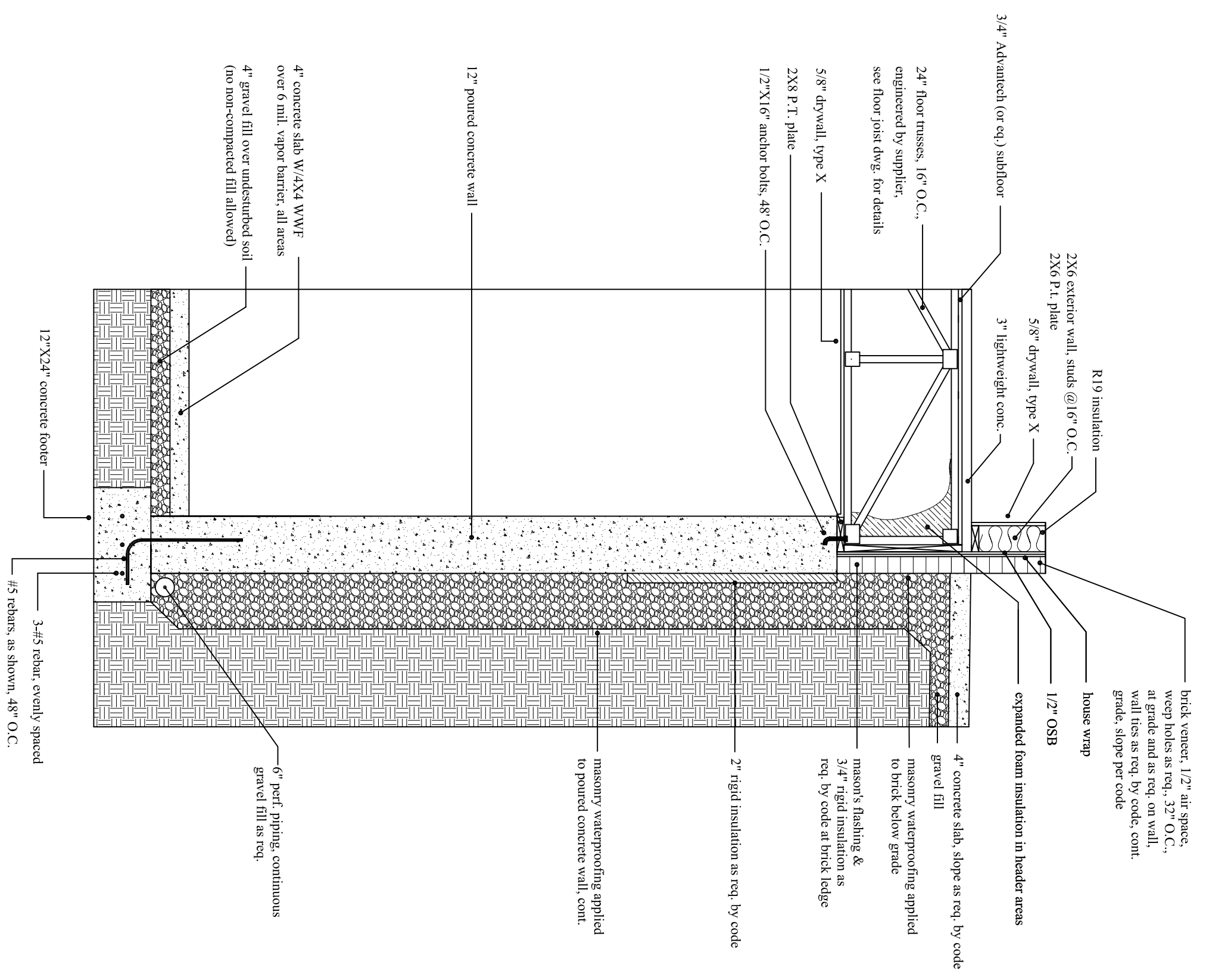
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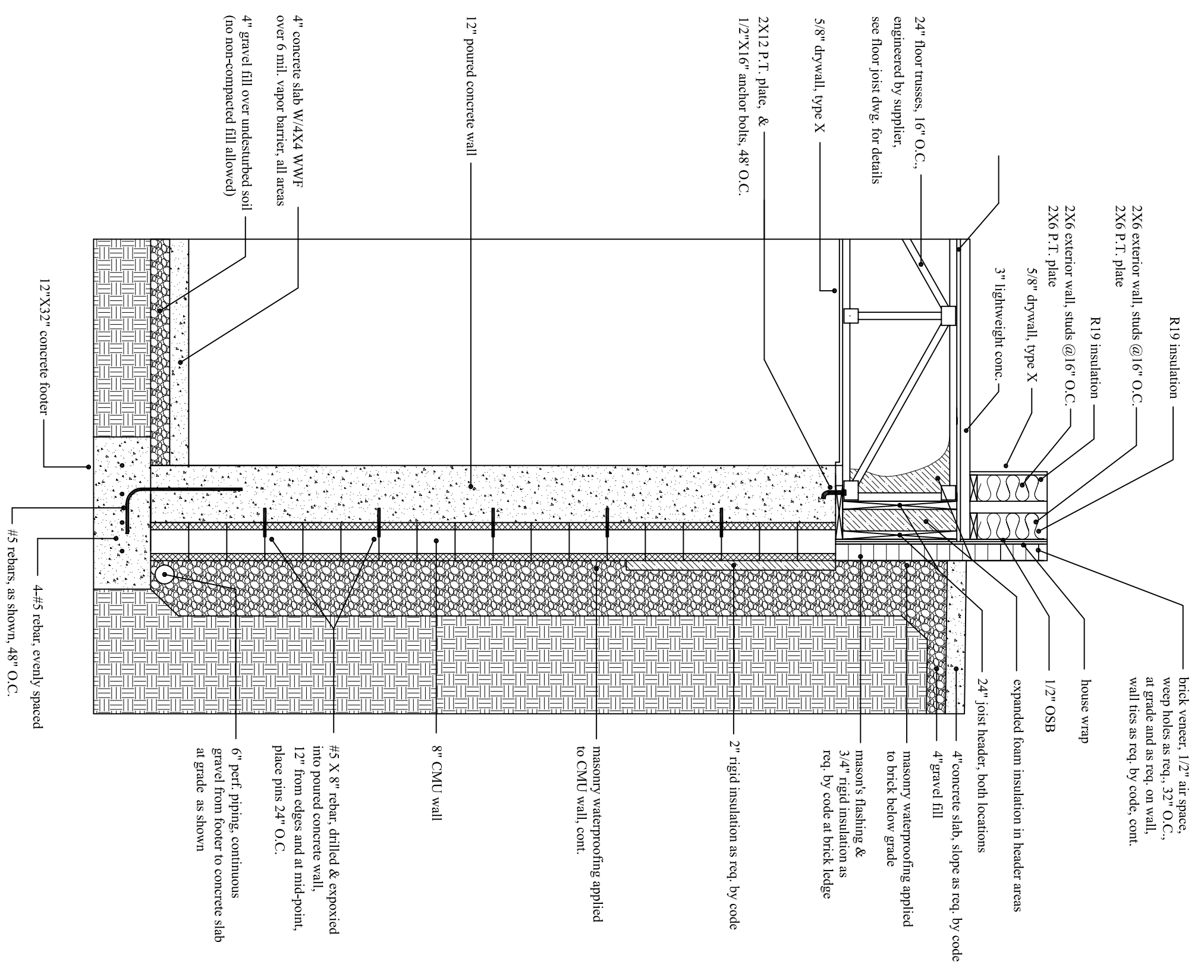
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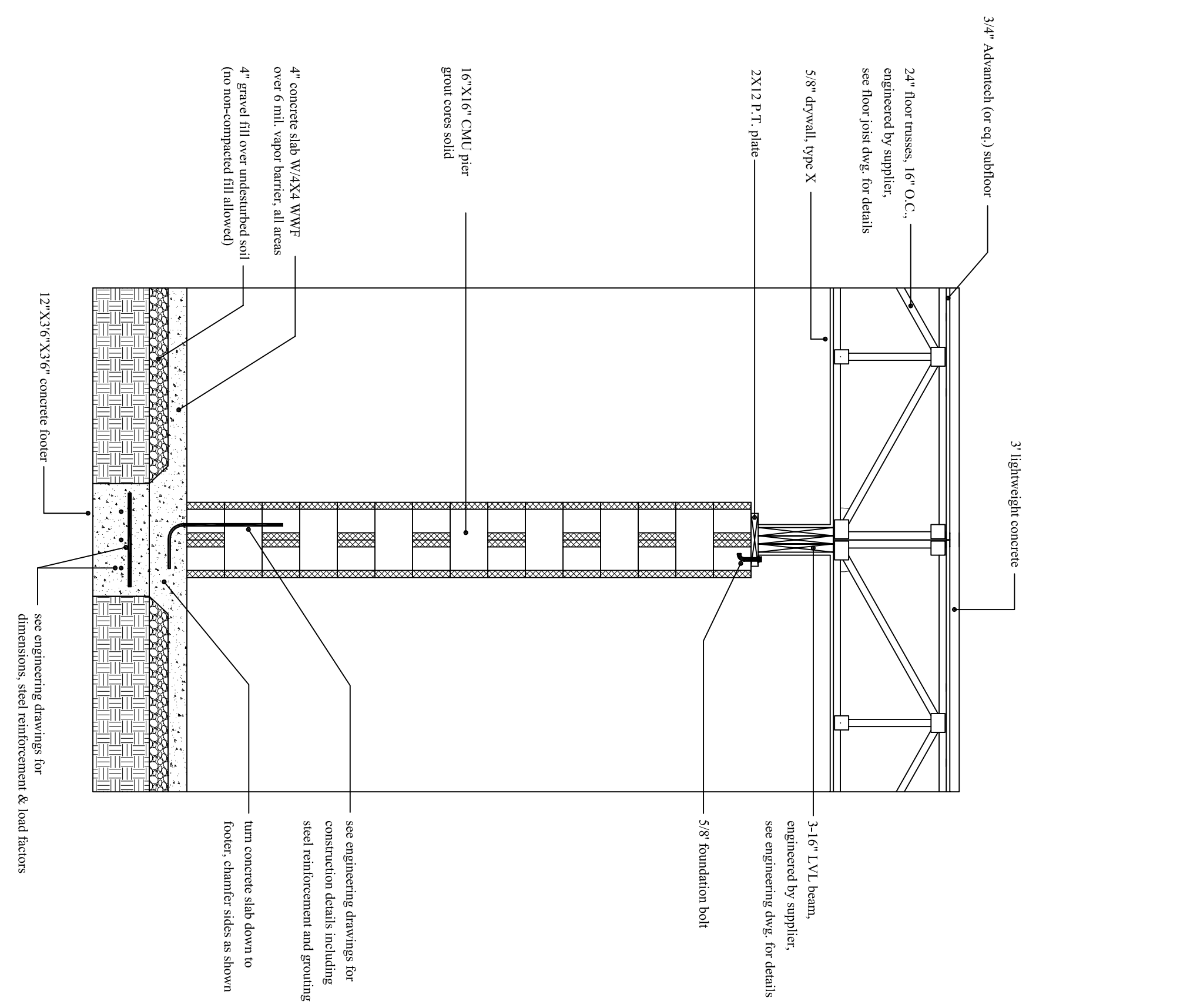
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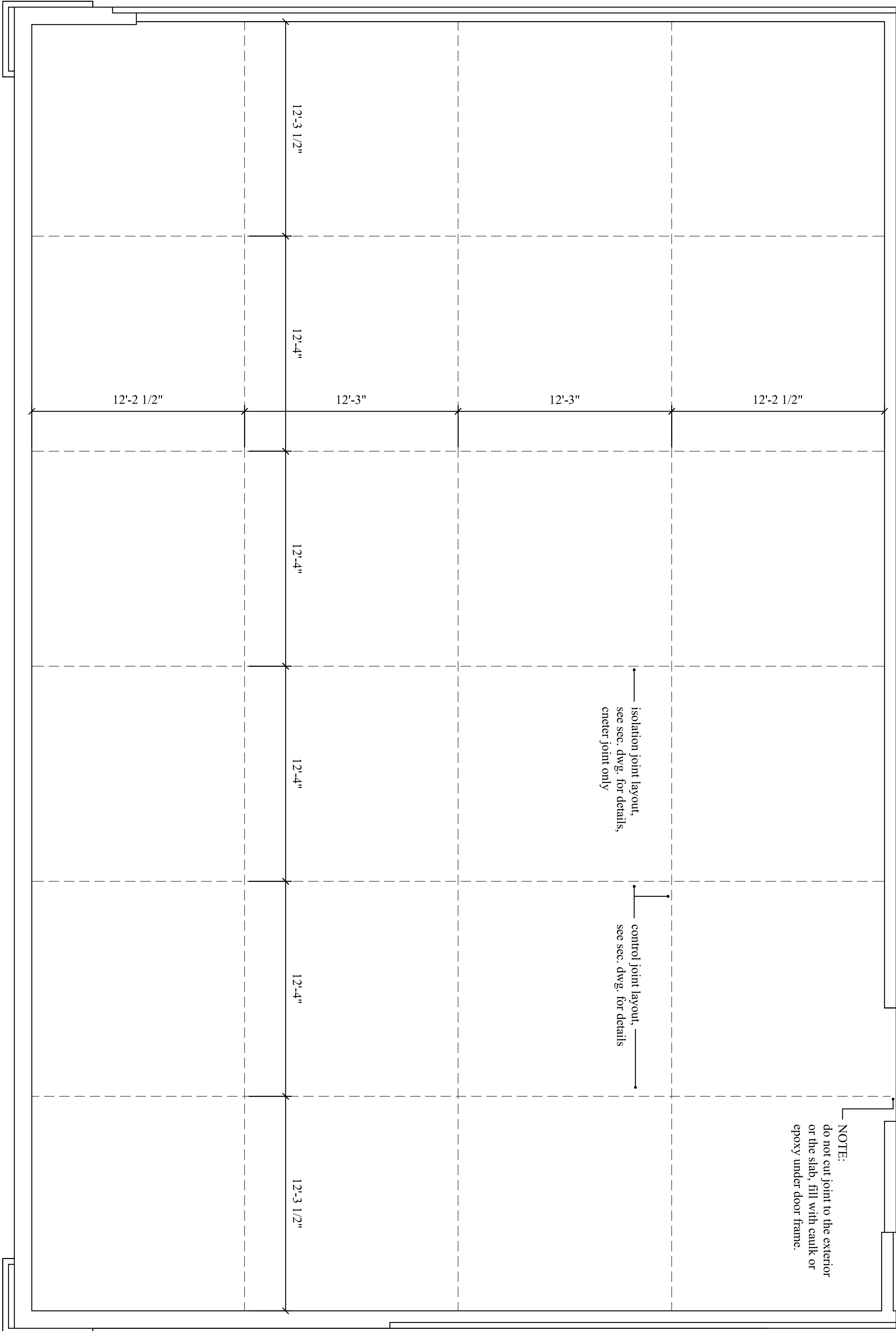
--FOUNDATION SECTION 8--
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--FOUNDATION SECTION 9--
--SCALE: 1/2"=1'0"--



--FOUNDATION SECTION 10--
--SCALE: 1/2"=1'0"--



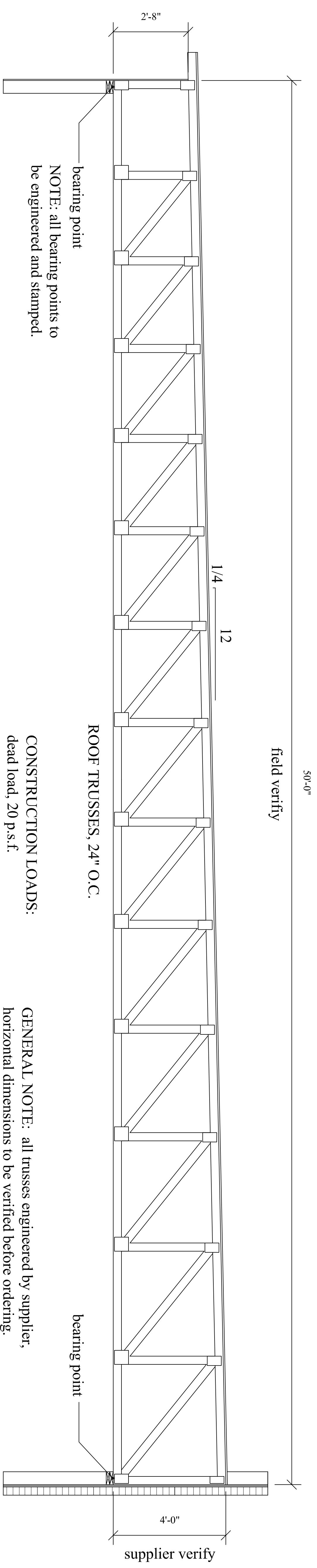
NOTE: Control and isolation joints, typical both floors

--CONCRETE SLAB LAYOUT PLAN--
 --SCALE: 1/4"=1'0"--

NOTE:
 do not cut joint to the exterior
 or the slab, fill with caulk or
 epoxy under door frame.

isolation joint layout,
 see sec. dwg. for details,
 center joint only

control joint layout,
 see sec. dwg. for details

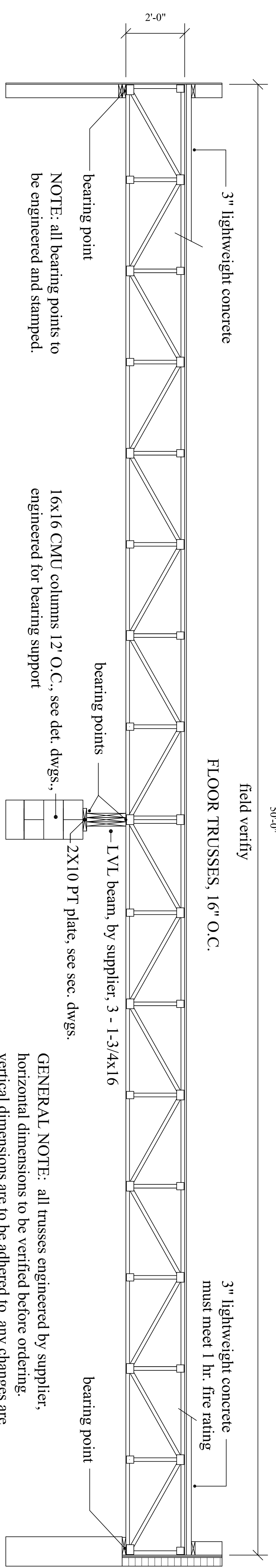


--ROOF TRUSS DESIGN--

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

CONSTRUCTION LOADS:
 dead load, 20 p.s.f.
 live load, 15 p.s.f.
 deflection design, L/240

GENERAL NOTE: all trusses engineered by supplier,
 horizontal dimensions to be verified before ordering.
 vertical dimensions are to be adhered to, any changes are
 to be confirmed by owner/ contractor/designer.
 any changes in load factors are to be approved prior to engineering.



--FLOOR TRUSS DESIGN--

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

CONSTRUCTION LOADS:
 dead load, 45 p.s.f.
 live load, 80 p.s.f.
 deflection design, L/240

GENERAL NOTE: all trusses engineered by supplier,
 horizontal dimensions to be verified before ordering.
 vertical dimensions are to be adhered to, any changes are
 to be confirmed by owner/ contractor/designer.
 any changes in load factors are to be approved prior to engineering.
 LVL beam to be engineered by supplier, 3X16" used for design
 purposes, span calculated at 12" o.c. for piers/columns, any changes in
 span shall be noted and changed prior to construction and noted
 on foundation and basement plans.

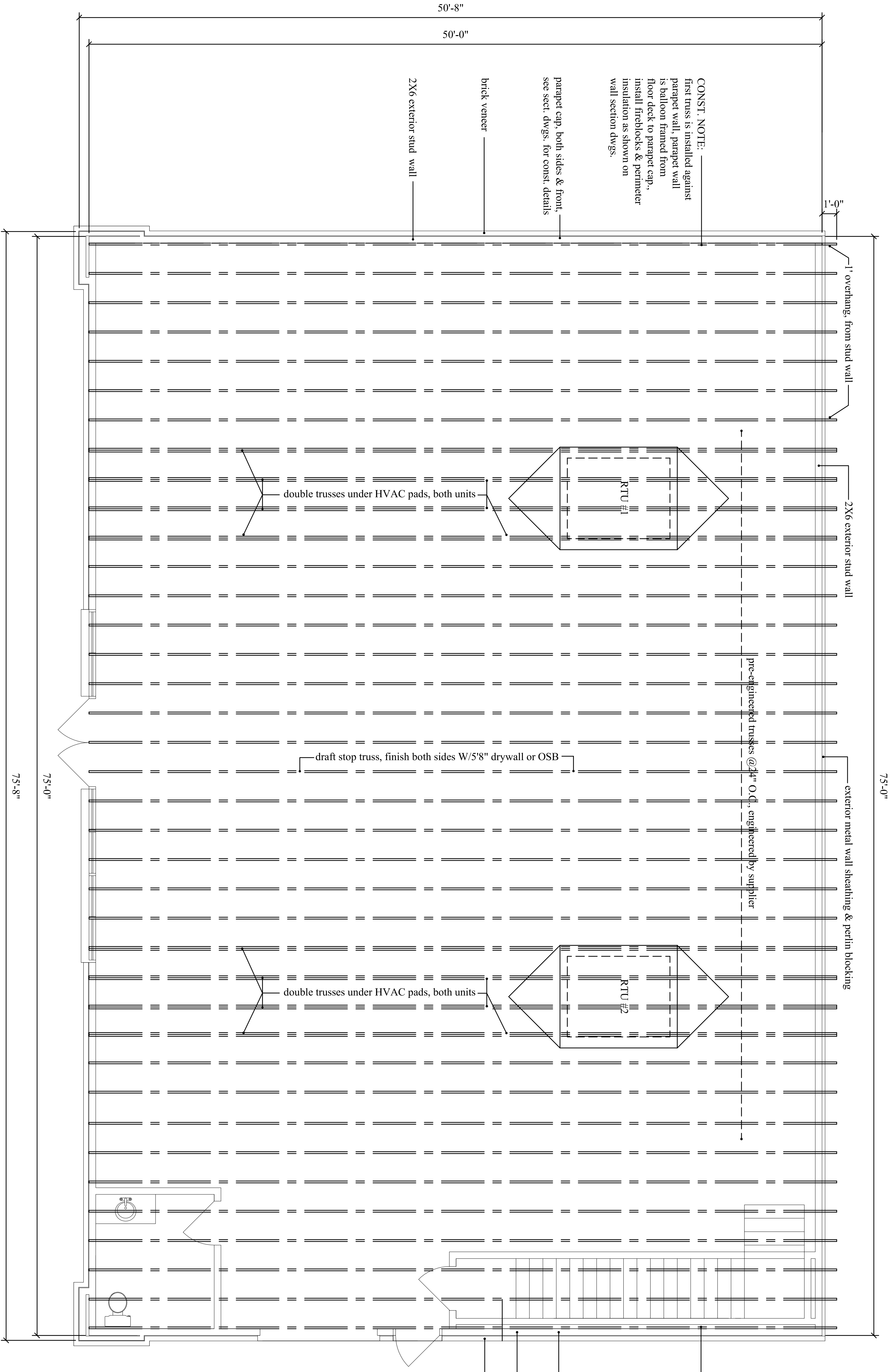
NOTE: all bearing points to
 be engineered and stamped.

16x16 CMU columns 12' O.C., see det. dwgs.,
 engineered for bearing support

FLOOR TRUSSES, 16" O.C.

3" lightweight concrete
 must meet 1 hr. fire rating

LVL beam, by supplier, 3 - 1-3/4x16
 2X10 PT plate, see sec. dwgs.



CONST. NOTE:
 first truss is installed against
 parapet wall, parapet wall
 is balloon framed from
 floor deck to parapet cap,
 install fireblocks & perimeter
 insulation as shown on
 wall section dwgs.

parapet cap, both sides & front,
 see sect. dwgs. for const. details

brick veneer

2X6 exterior stud wall

1' overhang from stud wall

2X6 exterior stud wall

RTU #1

double trusses under HVAC pads, both units

pre-engineered trusses @ 24" O.C. engineered by supplier

draft stop truss, finish both sides w/5/8" drywall or OSB

exterior metal wall sheathing & perforin blocking

75'-0"

double trusses under HVAC pads, both units

RTU #2

75'-8"

75'-0"

CONST. NOTE:
 first truss is installed against
 parapet wall, parapet wall
 is balloon framed from
 floor deck to parapet cap,
 install fireblocks & perimeter
 insulation as shown on
 wall section dwgs.

parapet cap, both sides & front,
 see sect. dwgs. for const. details

brick veneer

2X6 exterior stud wall

HVAC CONSTRUCTION NOTE:
 Construct pads for roof top units #1 & #2,
 verify location & size with HVAC contractor,
 adjust accordingly. Pad shall be level & plumb,
 seal continuous with T.P.O. roofing, seal all
 penetrations as required by code.

ATTIC DRAFT STOP NOTE:
 Attic draft stops shall be installed in attics,
 No horizontal areas shall be greater than 3,000 S.F.,
 Material shall be 1/2" drywall, 5/8" OSB, 5/8" plywood,
 cement board, or rigid/hair insulation.
 All draft stops shall be of permanent construction.

--ROOF FRAMING PLAN & ROOF TRUSS LAYOUT--
 --SCALE: 1/4"=1'0"--

2 ply roof trusses under HVAC RTUs,
 coordinate exact location with HVAC
 contractor prior to construction,
 confirm location with engineer/supplier, units #1 & #2.

Project No:
24-62

Revisions:
none

Commercial Retail Space
Bowling Green, KY

Reynolds Building & Development
From Concept to Completion

DATE DRAWN: 12-12-2024
 DATE REVISED: 3-5-2025

SHEET

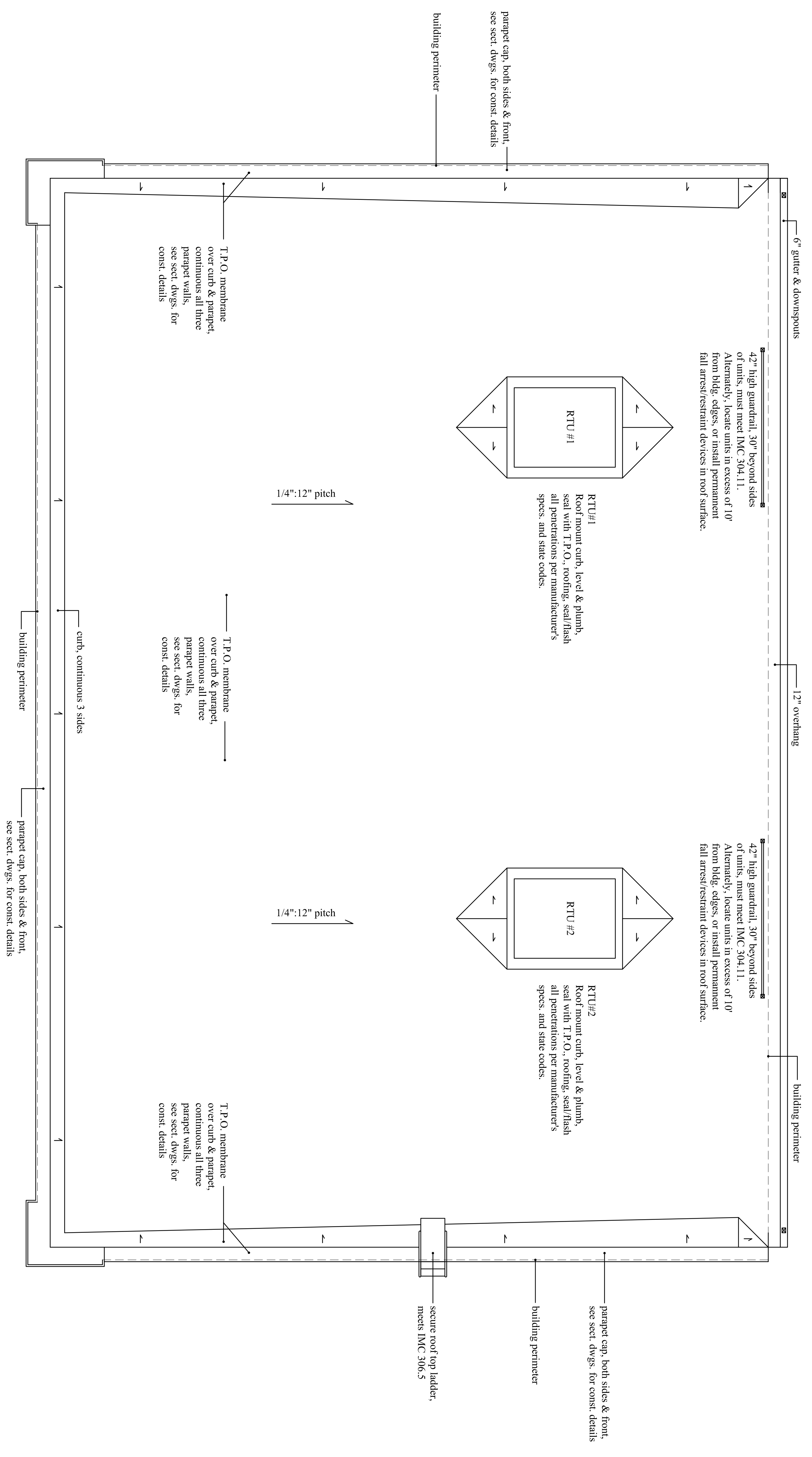
S2.2



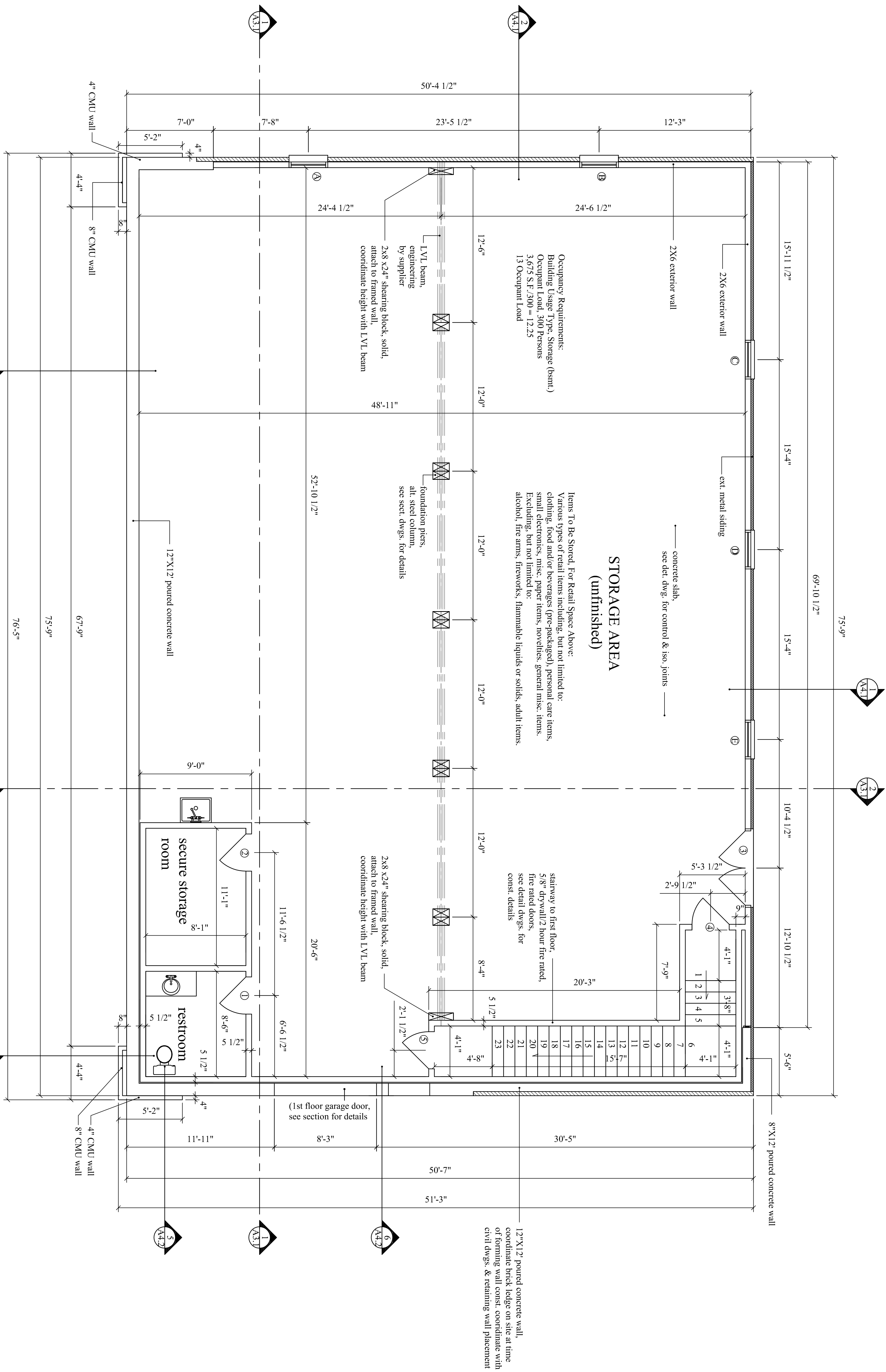
building perimeter
rim joist
brick veneer
2X6 ext. wall
parapet cap
24\" sheathing block
see basement plan
LVL beam
engineered by supplier,
4X24 used for design
purposes.
See foundation plan
for pier design &
spacing.

--SECOND FLOOR FRAMING PLAN & FLOOR TRUSS LAYOUT--
--SCALE: 1/4"=1'0"--

FRAMING NOTE:
Offset floor trusses for
toilet clearance.
dimensions noted.



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



--FIRST FLOOR PLAN--

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

Project No: 24-62

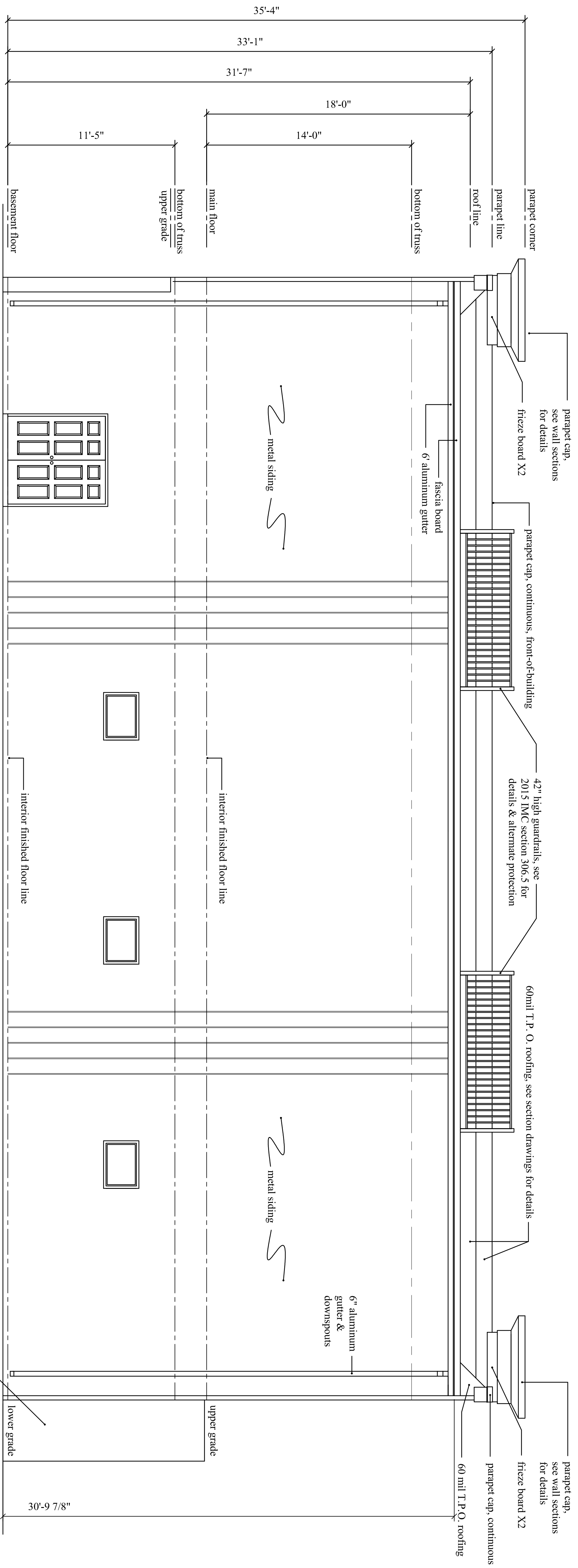
Revisions: none

Commercial Retail Space
Bowling Green, KY

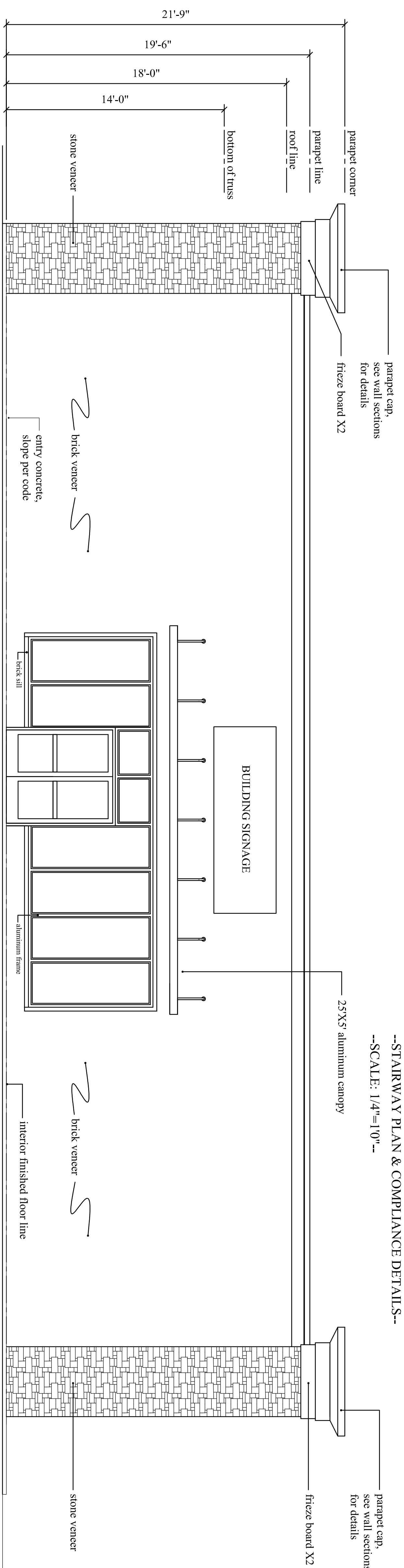
Reynolds Building & Development
From Concept to Completion

DATE DRAWN: 12-12-2024
DATE REVISED: 3-15-2015

SHEET A1.1



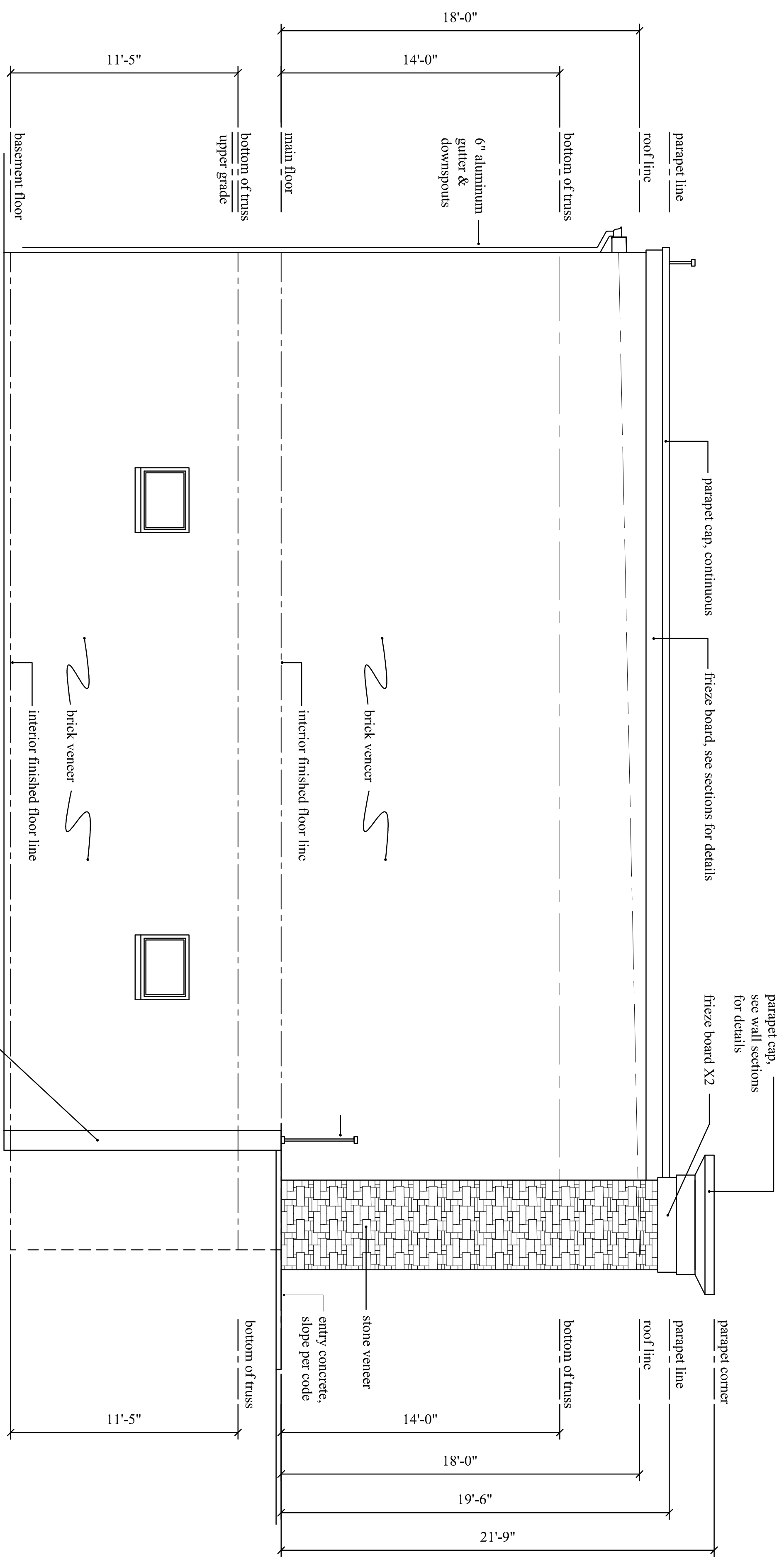
--REAR ELEVATION--
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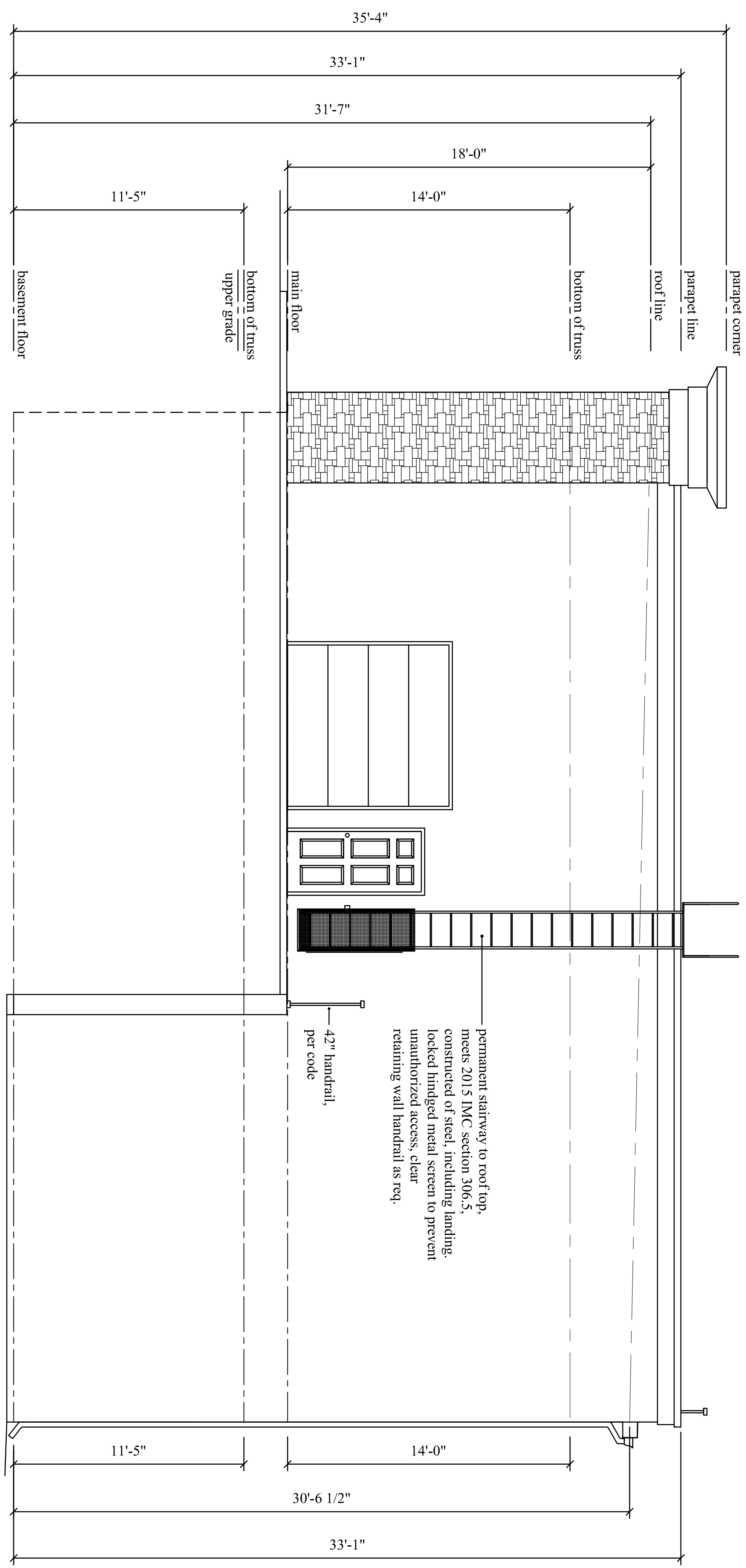
--FRONT ELEVATION--
--SCALE: 1/4"=1'0"--

--STAIRWAY PLAN & COMPLIANCE DETAILS--
--SCALE: 1/4"=1'0"--

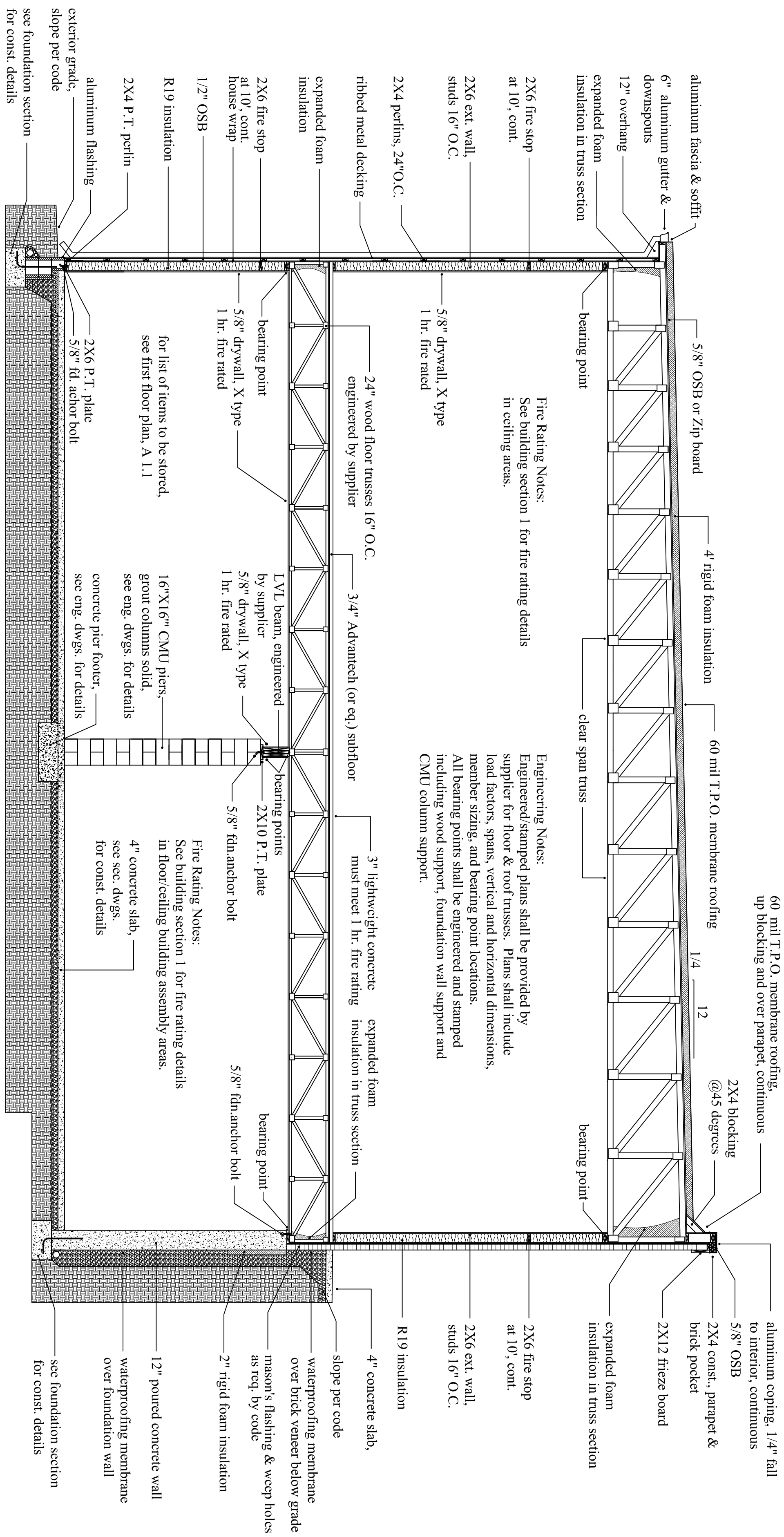
retaining wall, exact location by civil engineer, coordinate location onsite with foundation contractor & mason



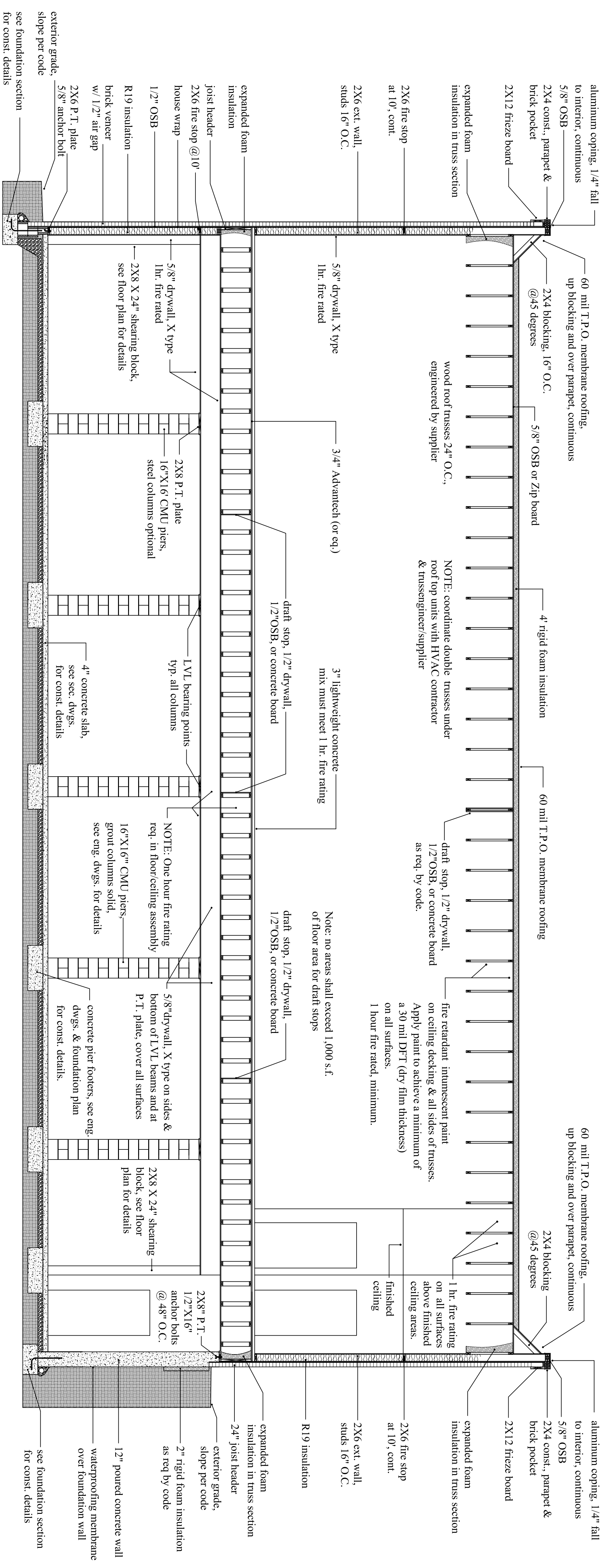
--LEFT ELEVATION--
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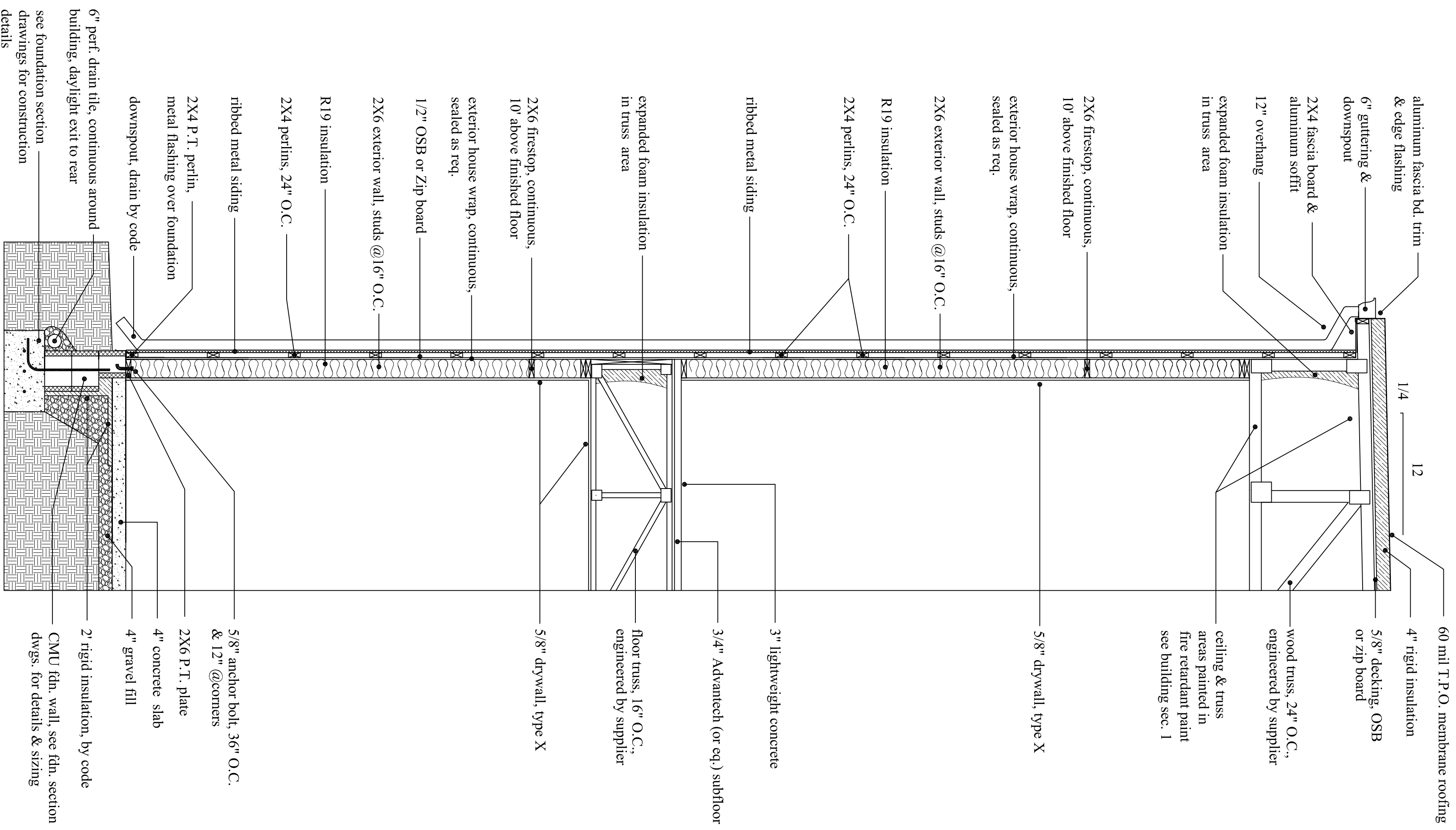
--RIGHT ELEVATION--
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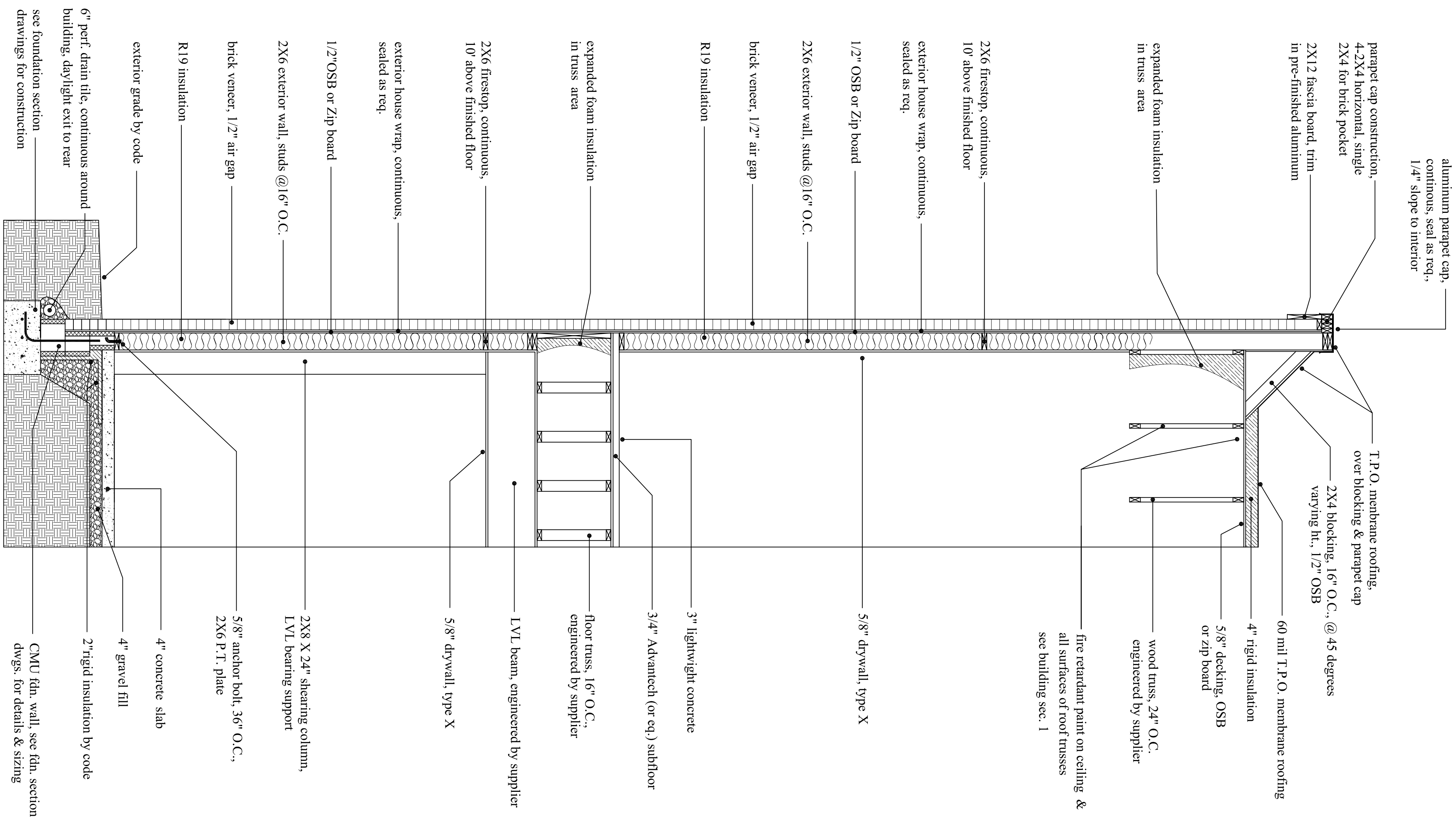
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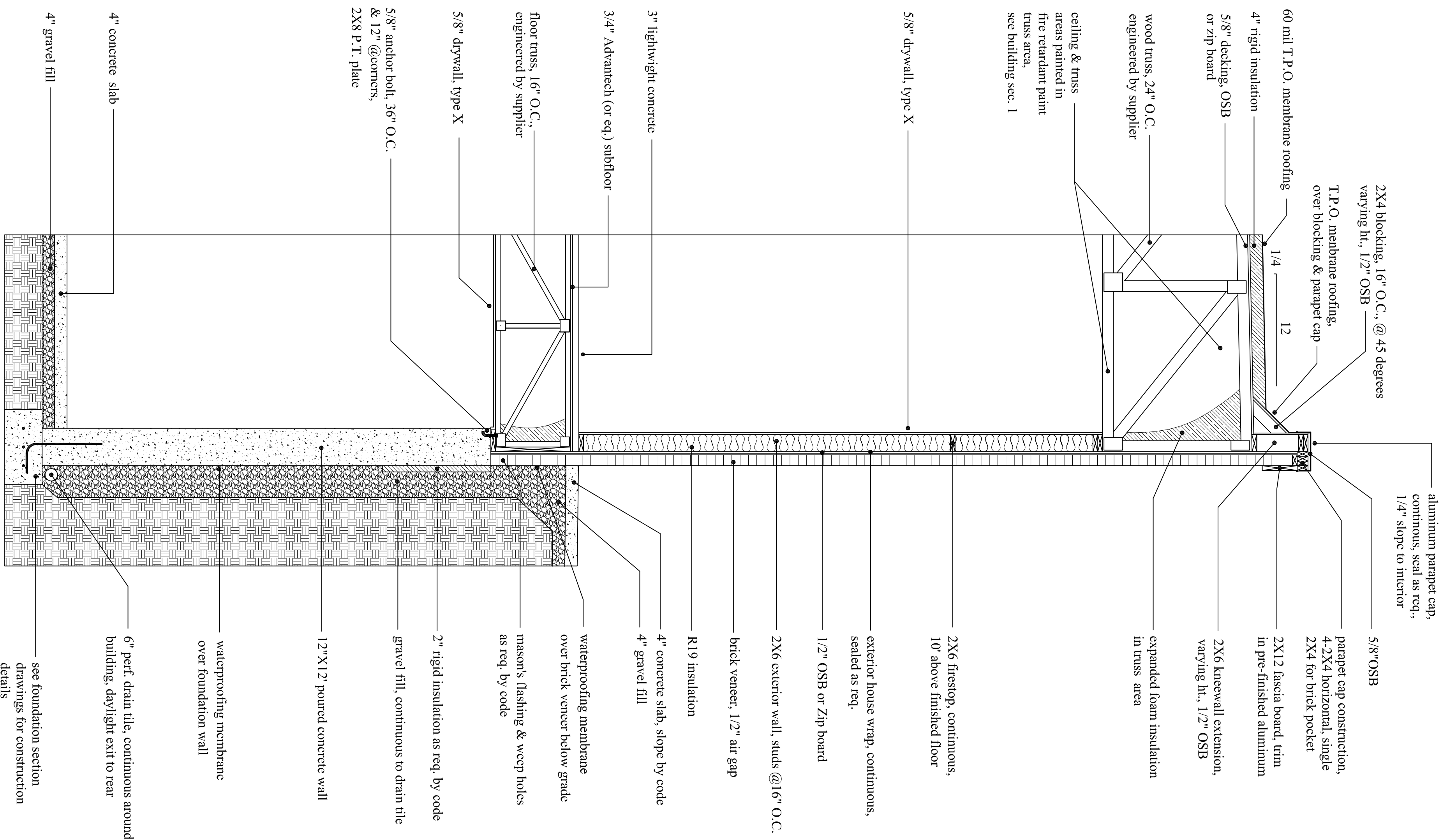
--BUILDING SECTION 1--
 --SCALE: 1/4"=1'0"--



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

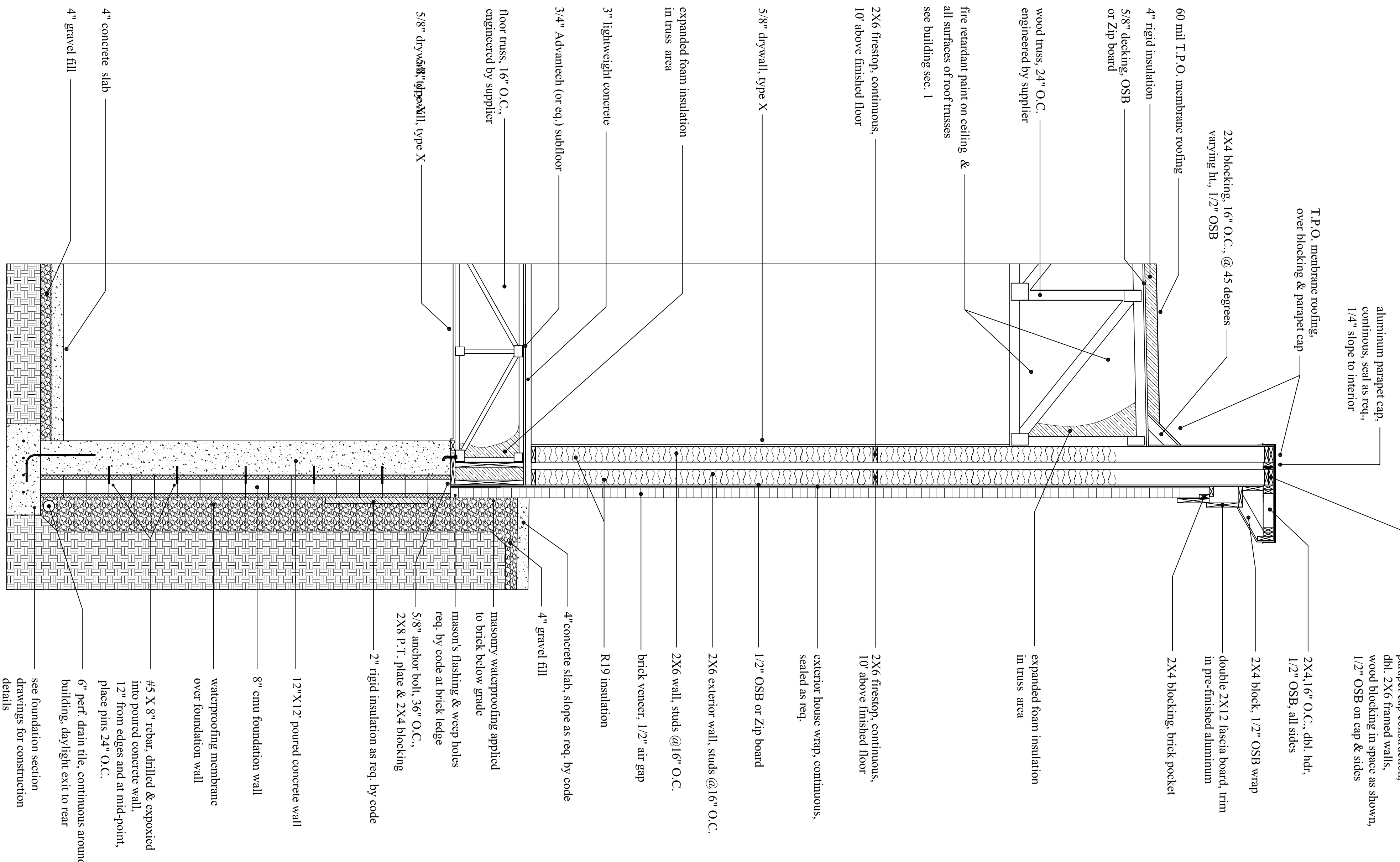


--WALL SECTION 2--
--SCALE: 1/2"=1'0"--



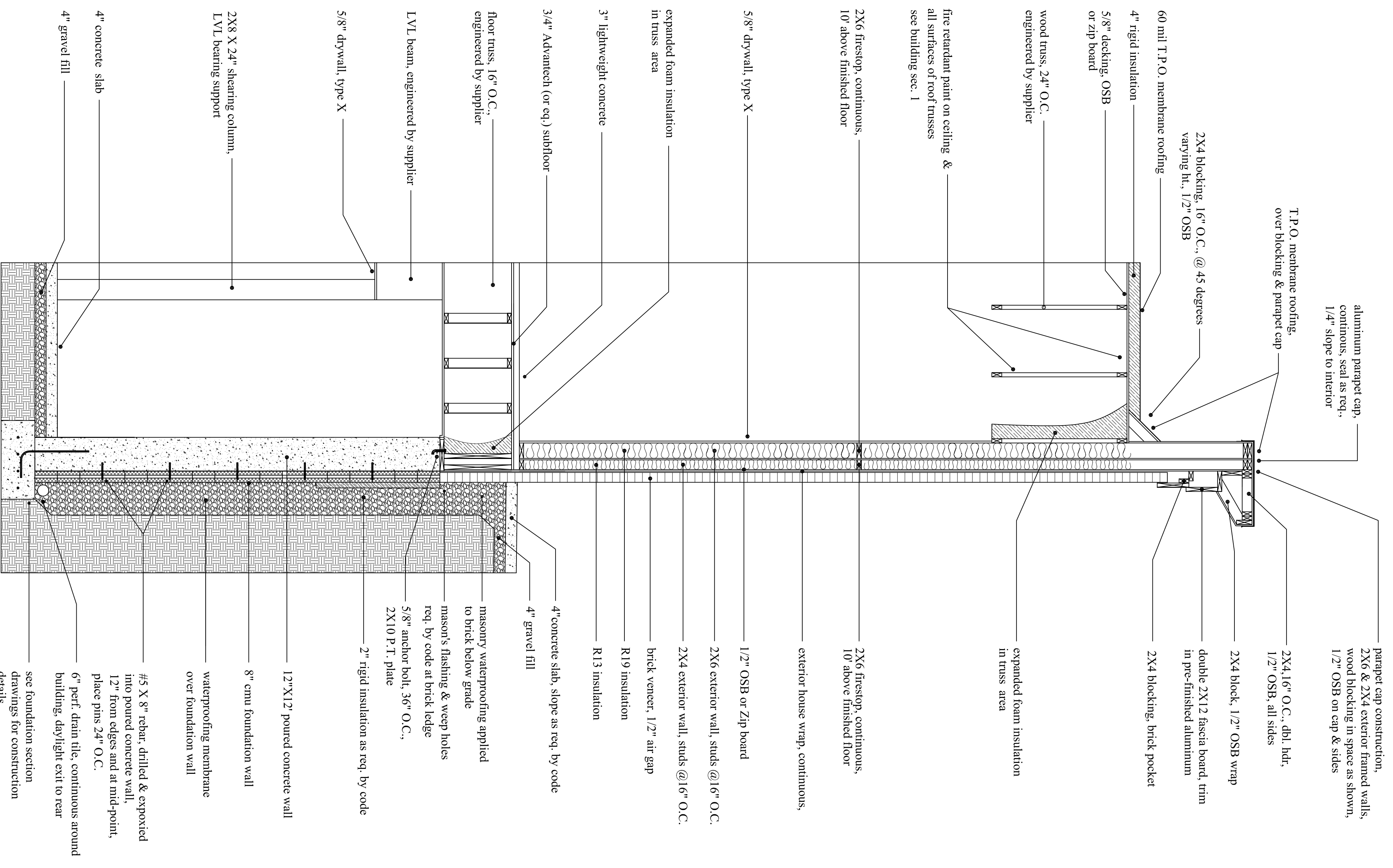
--WALL SECTION 3--

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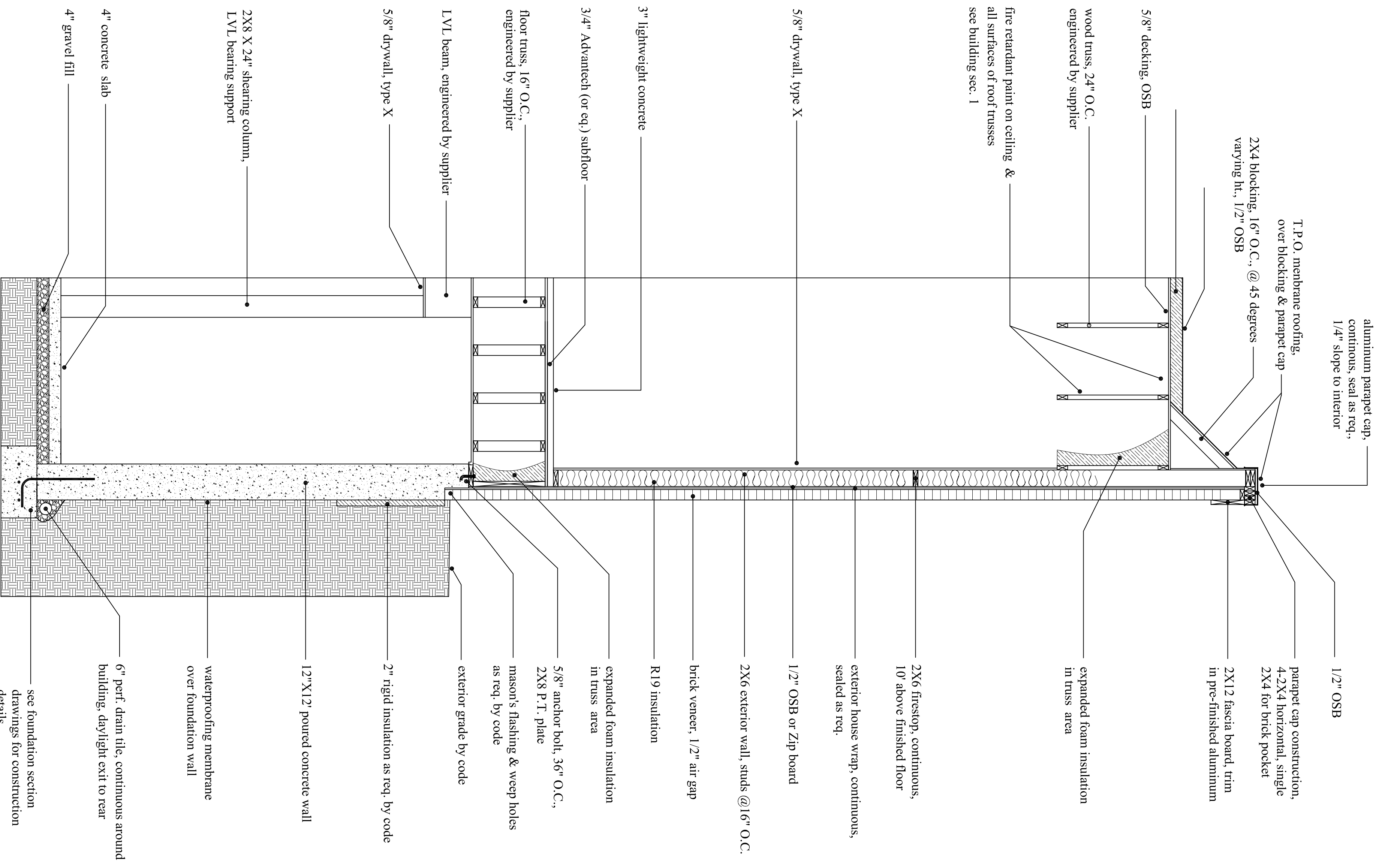
--WALL SECTION 4--

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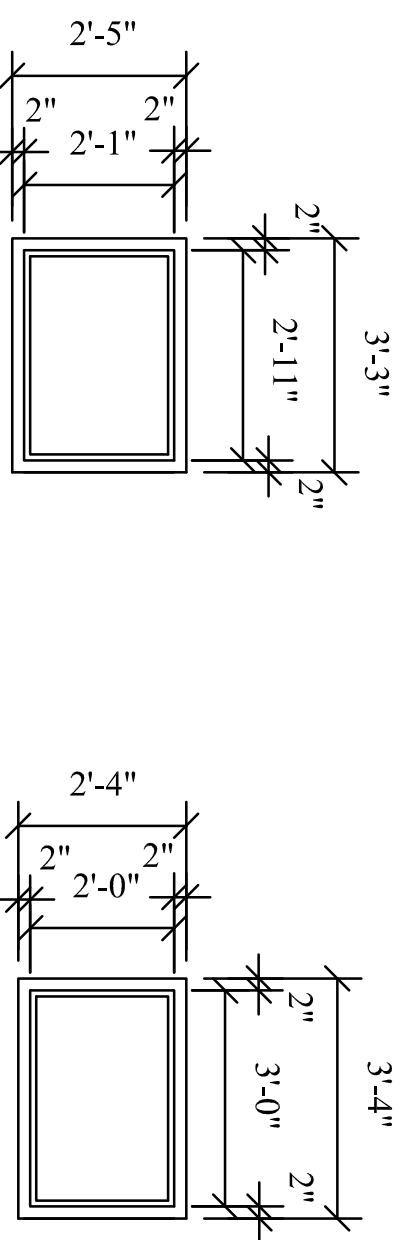
--WALL SECTION 5--

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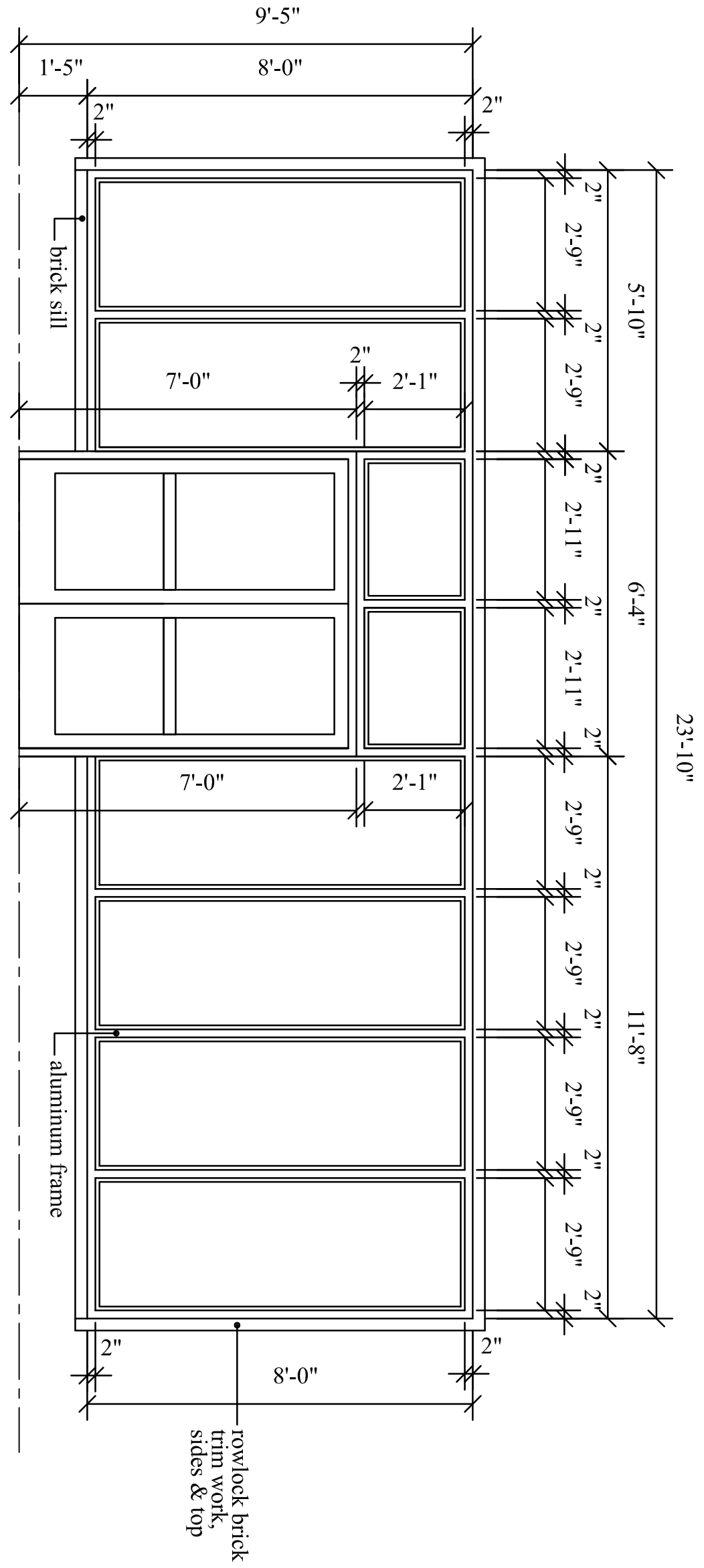
--WALL SECTION 6--

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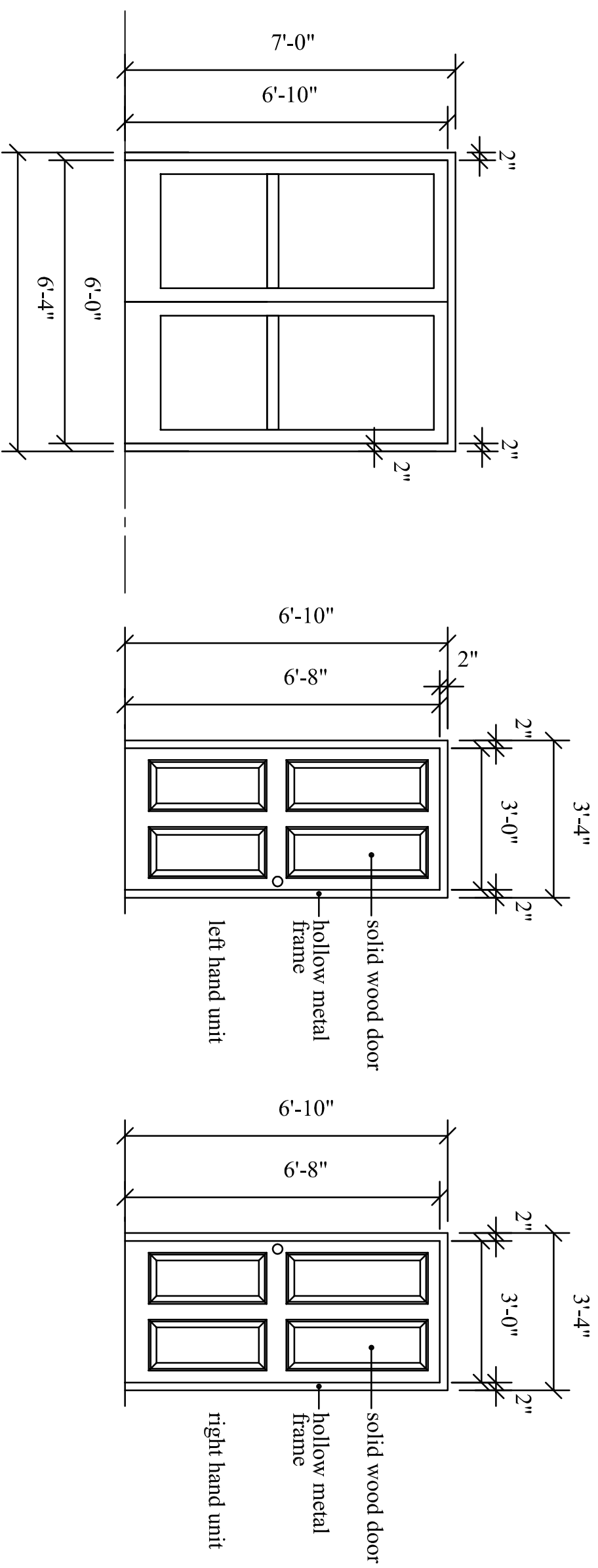
WINDOW TYPE "B"

WINDOW TYPE "C"



WINDOW TYPES "A" & "B"

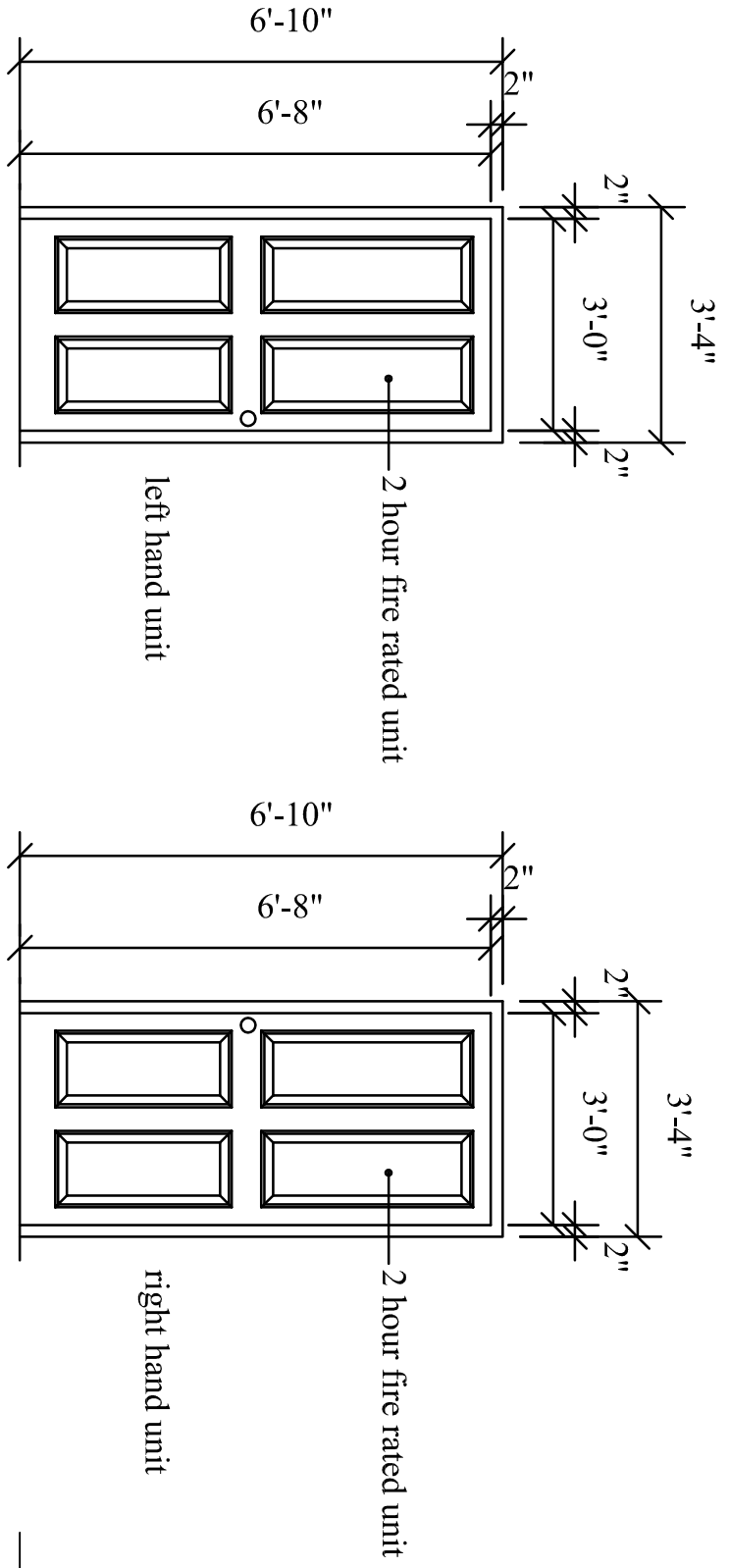
--WINDOW / DOOR ELEVATIONS--
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DOOR TYPE #1

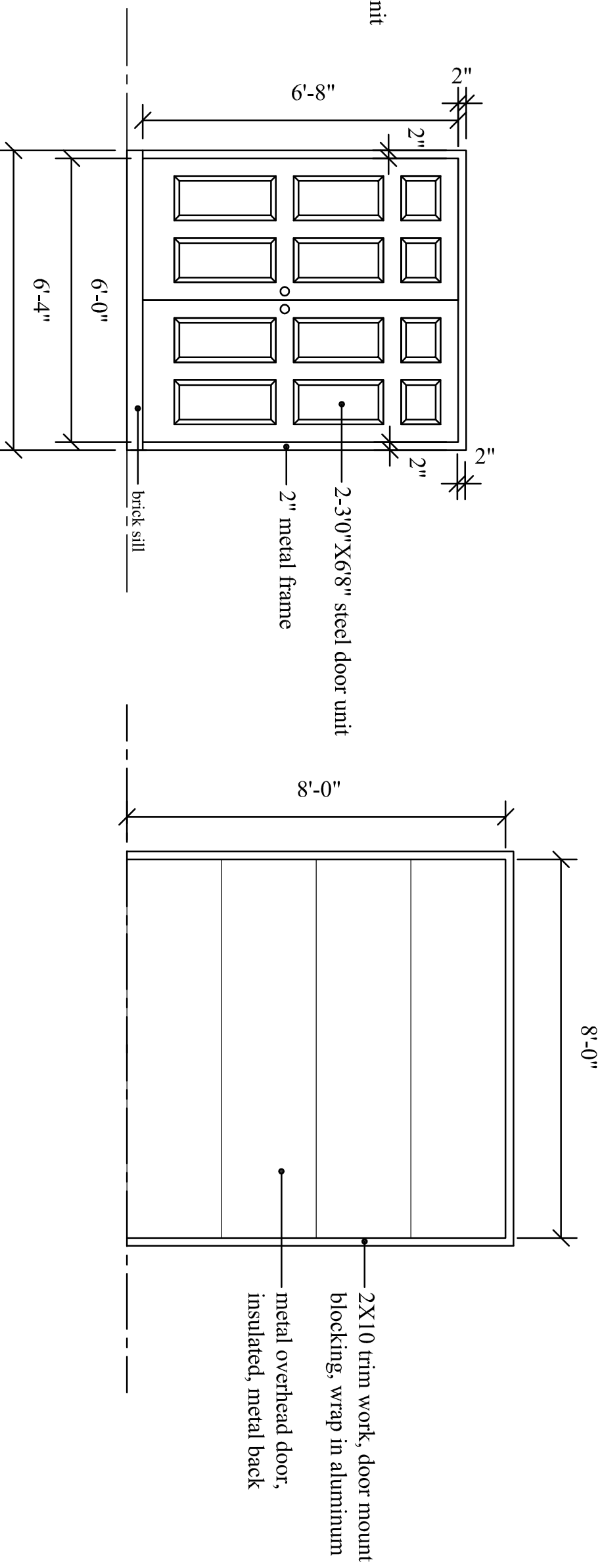
DOOR TYPE #2

DOOR TYPE #3



DOOR TYPE #4

DOOR TYPE #5



DOOR TYPE #6

DOOR TYPE #7

- DOOR & WINDOW NOTES:**
- All door locksets to have handles that comply with ADA requirements.
 - All glazing in fire rated doors shall be safety plate glass.
 - All glazing in window frames shall meet all codes and be safety glass where required.

DOOR AND FRAME SCHEDULE

AREA	DESCRIPTION	REV.	MARK	ORG.(W/X/H)	THK.	TYPE	FIRE RIG.	MATL.	FINISH	HDW. SET	REMARKS	MARK
FIRST FLOOR	SALES FLOOR AREA, ENTRY	-	1	6'0"x6'10"	1-3/4"	1		AL.	AL.	E	ANODIZED ALUMINUM FRAME, FULL GLASS	1
	SALES FLOOR TO STAIRWAY	-	2	3'0"x6'8"	1-3/4"	4	2 HOUR	ST	PT	B	FIRE DOOR, PANG AND CLOSURE HARDWARE	2
	SALES FLOOR TO EXTERIOR, RIGHT	-	3	3'0"x6'8"	1-3/4"	6		ST	PT	E	SOLID METAL FRAME, PAINTED	3
	SALES FLOOR AREA, OVERHEAD	-	4	8'0"x8'0"	1-1/2"	7		ST	PT	N/A	OVERHEAD DOOR, REMOTE CLOSURE	4
	SALES FLOOR TO REST ROOM	-	5	3'0"x6'8"	1-1/2"	3		WO	PT	B	RESTROOM, HOLLOW METAL FRAME, PAINTED	5
BASEMENT	STORAGE: AREA TO REST ROOM	-	1	3'0"x6'8"	1-1/2"	3		WO	PT	B	RESTROOM, HOLLOW METAL FRAME, PAINTED	1
	STORAGE: AREA TO STORAGE ROOM	-	2	3'0"x6'8"	1-1/2"	3		WO	PT	B	HOLLOW METAL FRAME, PAINTED	2
	STORAGE: AREA TO EXTERIOR	-	3	6'0"x6'8"	1-3/4"	6		ST	PT	F	SOLID METAL FRAME, PAINTED	3
	STORAGE: AREA UNDER STAIRWAY	-	4	3'0"x6'8"	1-3/4"	4	2 HOUR	ST	PT	F	FIRE DOOR, PANG AND CLOSURE HARDWARE	4
	STORAGE: AREA UNDER STAIRWAY	-	5	3'0"x6'8"	1-3/4"	4	2 HOUR	ST	PT	F	FIRE DOOR, PANG AND CLOSURE HARDWARE	5

ABBREVIATIONS
 AL = ALUMINUM
 ST = STEEL
 WO = WOOD
 MWD = COMPOSITE WOOD
 CLAD = ALUMINUM CLAD WOOD FRAME
 GL = GLASS

HARDWARE SET
 A = PASSAGE WAY HANDLE, ADA HANDLE, SATIN NICKEL, FINISH, STD. HINGE SETS
 B = PRIVACY LOCKING HANDLE, ADA HANDLE, SATIN NICKEL, FINISH, STD. HINGE SETS
 C = DUMMAY KNOBS, ADA HANDLE, SATIN NICKEL, FINISH, STD. HINGE SETS
 D = EXT. DOOR LOCKING SET, AUTO CLOSE, SATIN NICKEL, FINISH, HD HINGE SETS
 E = EXT. DOOR LOCKING SET, PANG HDW., AUTO CLOSE, SATIN NICKEL, FINISH, HD HINGE SETS
 F = FIRE DOOR LOCKING SET, PANG HDW., AUTO CLOSE, SATIN NICKEL, FINISH, HD HINGE SETS

GENERAL NOTES
 F = FLOOR
 FOR DOOR TYPES, SEE DWGS.
 PR = PRIMER
 PF = PRIME
 HD = HINGES ON ALL DOORS,
 DOOR SWINGS, CLOSURES, AND
 PANG HARDWARE AS NOTED
 HD = HEAVY DUTY

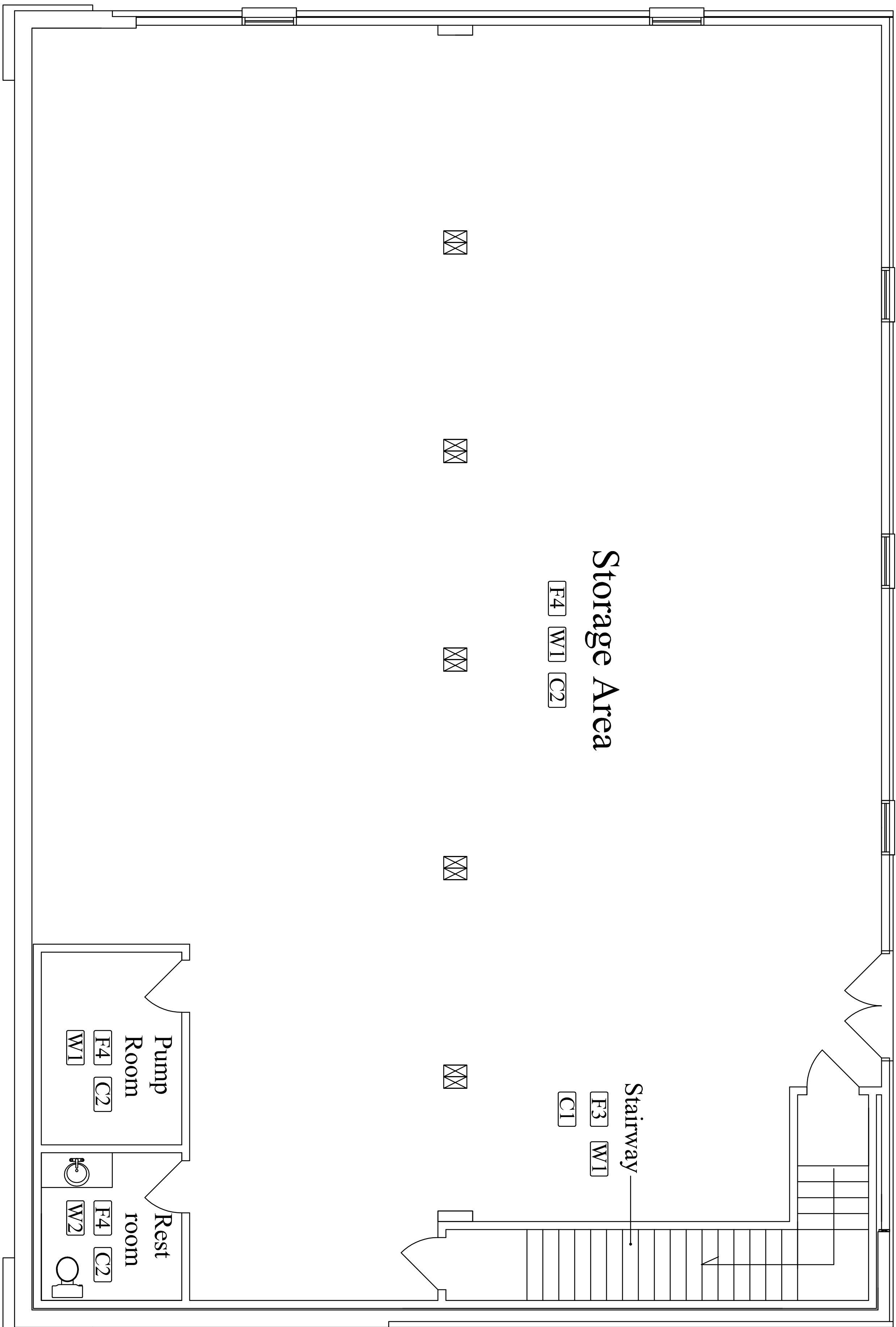
WINDOW AND FRAME SCHEDULE

AREA	DESCRIPTION	REV.	MARK	ORG.(W/X/H)	TYPE	OPEN	HEADER	MATL.	FINISH	HDW. SET	REMARKS	MARK
FIRST FLOOR	ENTRY UNIT	-	A	SEE DWG.	FIXED	0	96"	AL.	PF	B	WINDOW TYPE "A", MULTI UNIT, SEE DWG.	A
	ENTRY UNIT	-	B	SEE DWG.	FIXED	0	96"	AL.	PF	B	WINDOW TYPE "B", MULTI UNIT, SEE DWG.	B
BASEMENT	STORAGE ROOM	-	A	3'0"x3'0"	FIXED	0	8'1"	CLADWO	PT	B	WINDOW TYPE "C"	A
	STORAGE ROOM	-	B	3'0"x3'0"	FIXED	0	8'1"	CLADWO	PT	B	WINDOW TYPE "C"	B
	STORAGE ROOM	-	C	3'0"x3'0"	FIXED	0	8'1"	CLADWO	PT	B	WINDOW TYPE "C"	C
	STORAGE ROOM	-	D	3'0"x3'0"	FIXED	0	8'1"	CLADWO	PT	B	WINDOW TYPE "C"	D
	STORAGE ROOM	-	E	3'0"x3'0"	FIXED	0	8'1"	CLADWO	PT	B	WINDOW TYPE "C"	E

ABBREVIATIONS
 AL = ALUMINUM
 ST = STEEL
 CSMT = CASSEMENT
 WO = WOOD
 MWD = COMPOSITE WOOD
 CLAD = ALUMINUM CLAD WOOD FRAME
 GL = GLASS

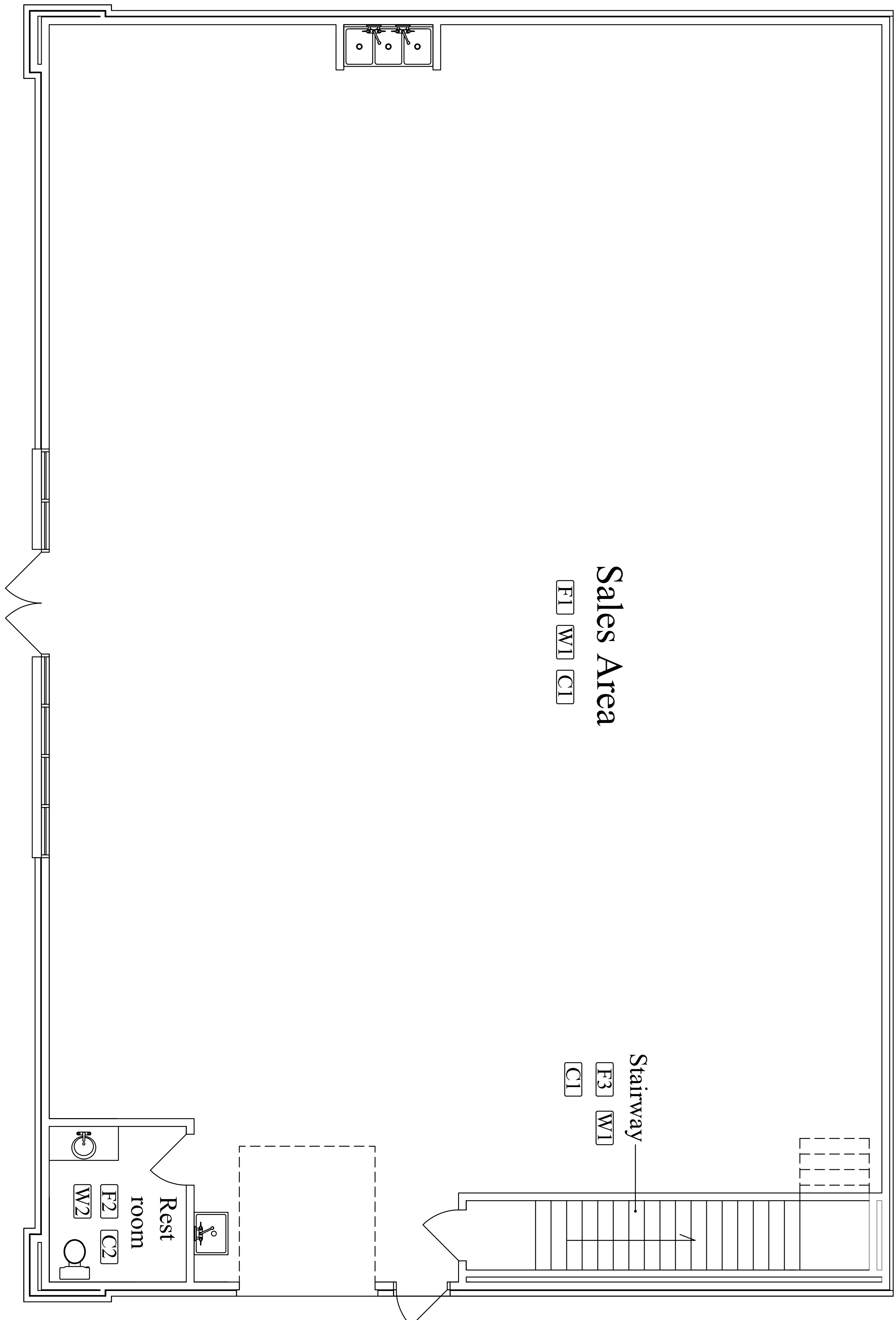
HARDWARE SET
 A = WHITE FACTORY FINISH, SASH LIFTERS
 B = FIXED PANEL UNIT, NO HARDWARE

GENERAL NOTES
 PR = PRIMER
 PF = PRIME
 ST = STAINED
 ML = MULLION
 X = OPENING
 0 = NON-OPENING



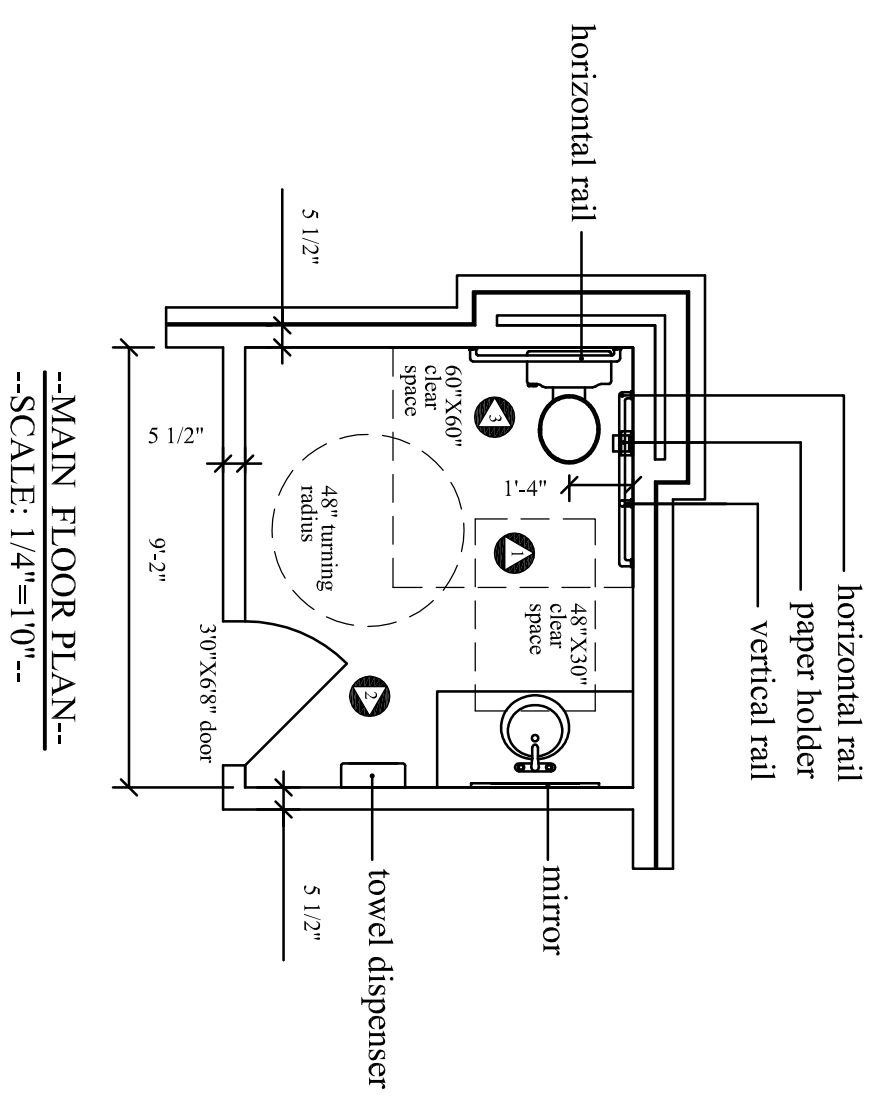
-FIRST FLOOR FINISHES--

FINISHES SCHEDULE		
Floor Finishes	Wall Finishes	Ceiling Finishes
F1 2" Lightweight concrete, stained	W1 5/8" Drywall, smooth finished, painted	C1 Exposed ceiling, fire retardant primer, w/painted finish
F2 Ceramic Tile	W2 Ceramic tile @ 54" , W/	C2 5/8" Drywall, smooth finished, painted
F3 Sealed Concrete	5/8" drywall, smooth finish, painted	
F4 Sealed & Stained Concrete		



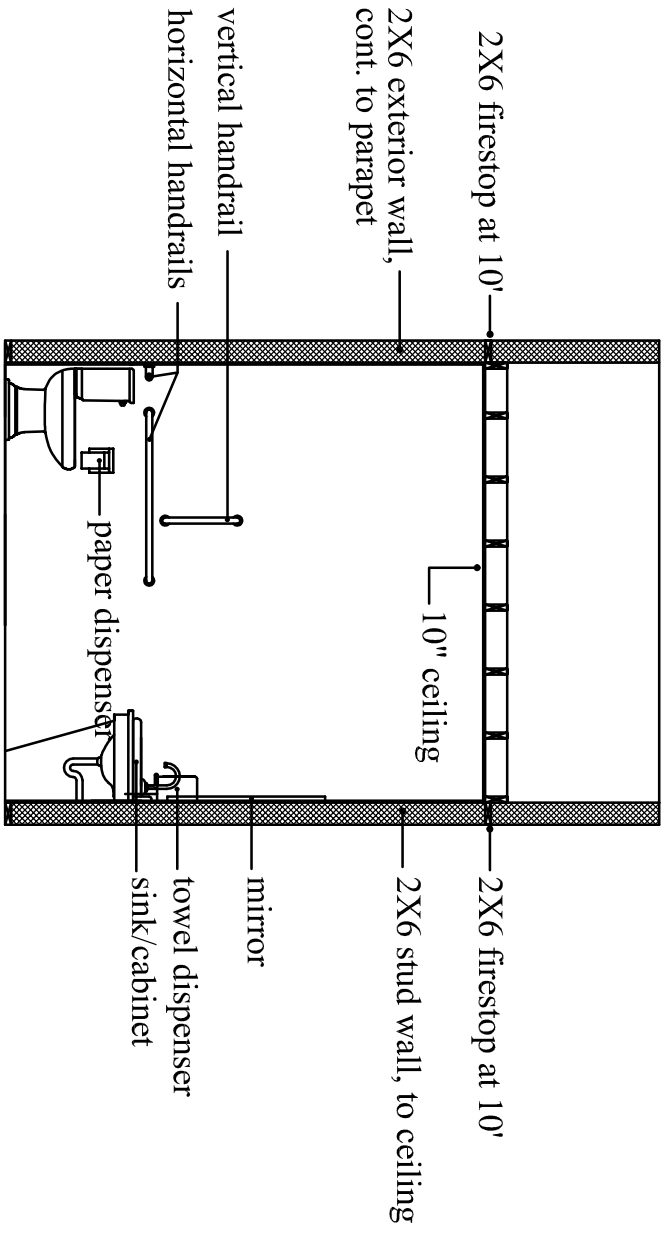
--SECOND FLOOR FINISHES--

FINISHES SCHEDULE		
Floor Finishes	Wall Finishes	Ceiling Finishes
F1 2" Lightweight concrete, stained	W1 5/8" Drywall, smooth finished, painted	C1 Exposed ceiling, fire retardant primer, w/painted finish
F2 Ceramic Tile	W2 5/8" drywall, smooth finish, painted	C2 5/8" Drywall, smooth finished, painted
F3 Sealed Concrete		
F4 Sealed & Stained Concrete		

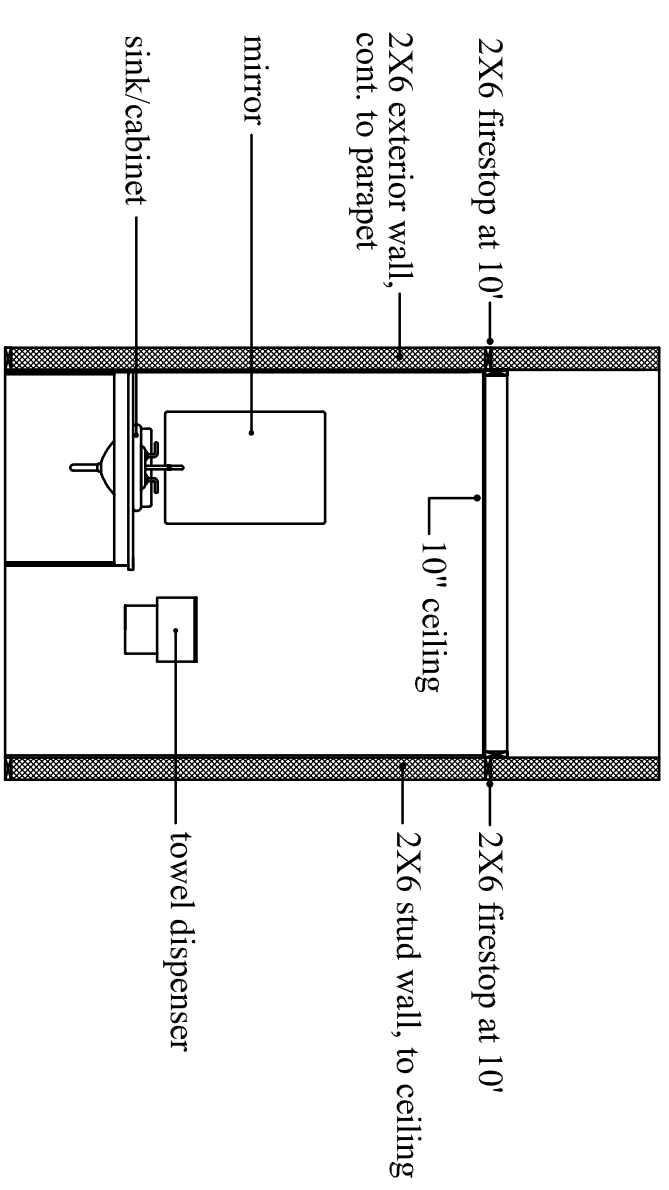


--MAIN FLOOR PLAN--
--SCALE: 1/4"=1'0"--

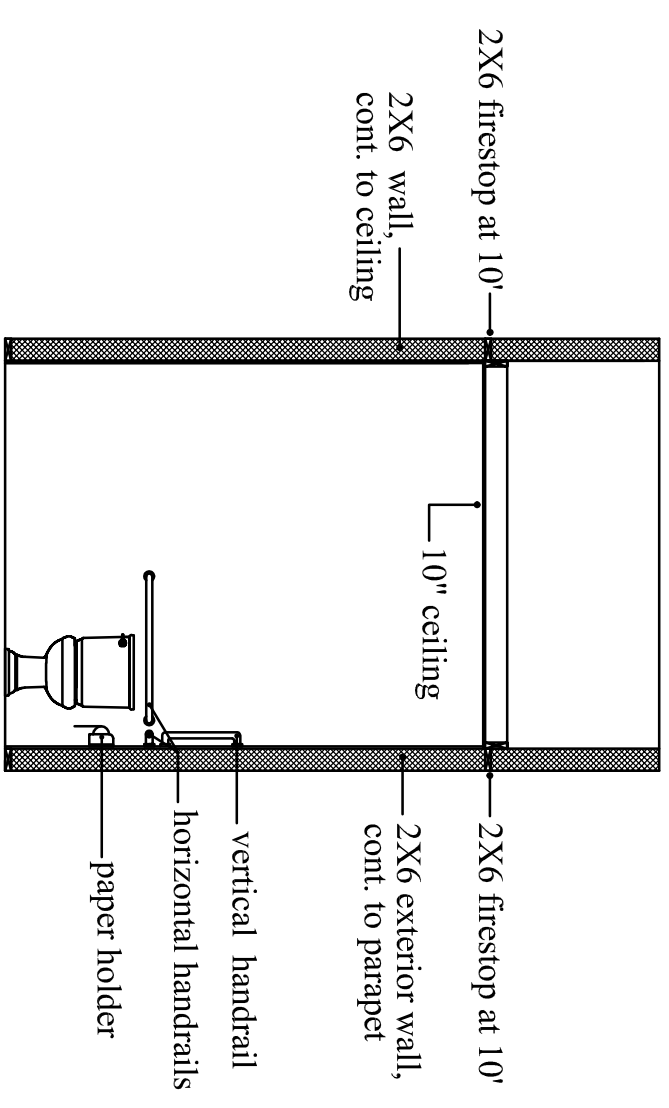
- HANDICAPPED RAILING/ACCESSORIES**
- All railing shall meet current ADA codes for finish and installation.
1. Sidewall horizontal rails shall begin 12" from corner & extend 42" in length.
 2. Vertical rails shall be 39" from corner, begin at 40" from floor and extend 18" in length, minimum.
 3. Rear horizontal rails shall begin 12" from corner and extend 36" in length.
 4. Toilet paper hangers shall be no closer than 24" from corner and extend no further than 42" and shall be 18" min. from floor to bottom of device and maintain 1-1/2" from device to grab bars.
 5. Mirrors shall be no higher than 40" from floor.
 6. Towel dispenser shall be 48" from floor to bottom of unit.
 7. Wall mounted lavatory shall be 34" from floor and have req. open space below.



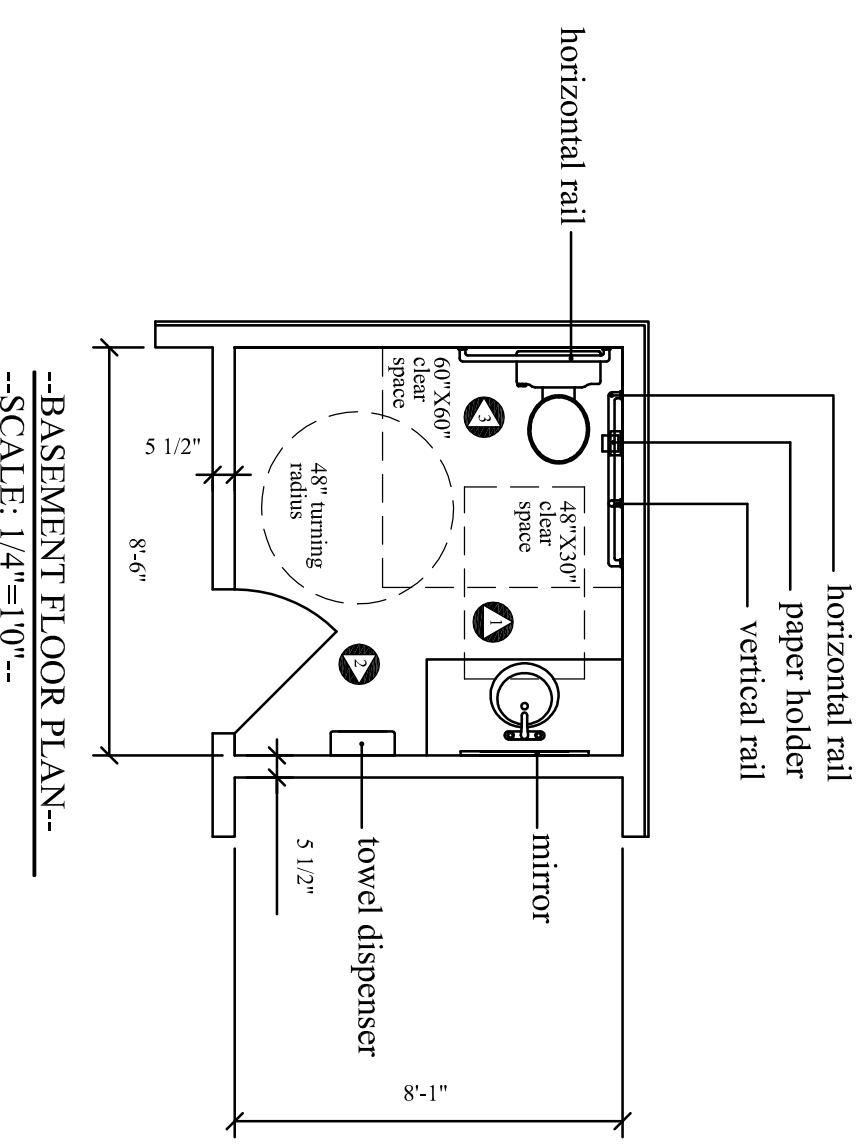
--ELEVATION 1--
--SCALE: 1/4"=1'0"--



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

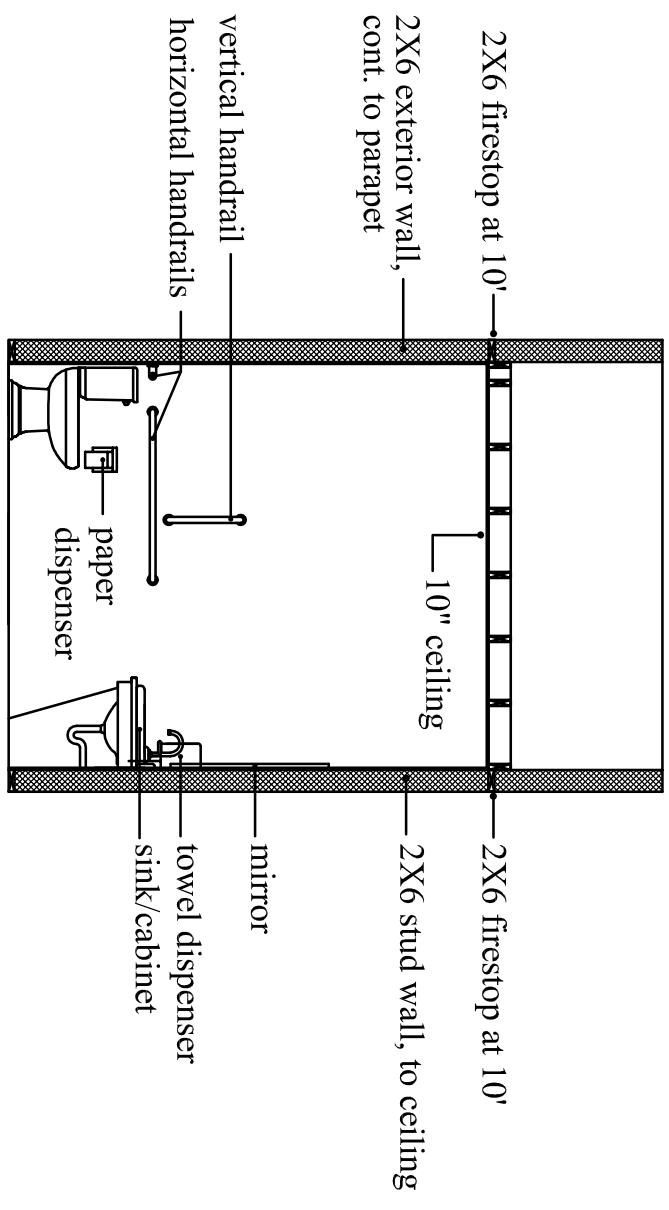


--ELEVATION 3--
--SCALE: 1/4"=1'0"--

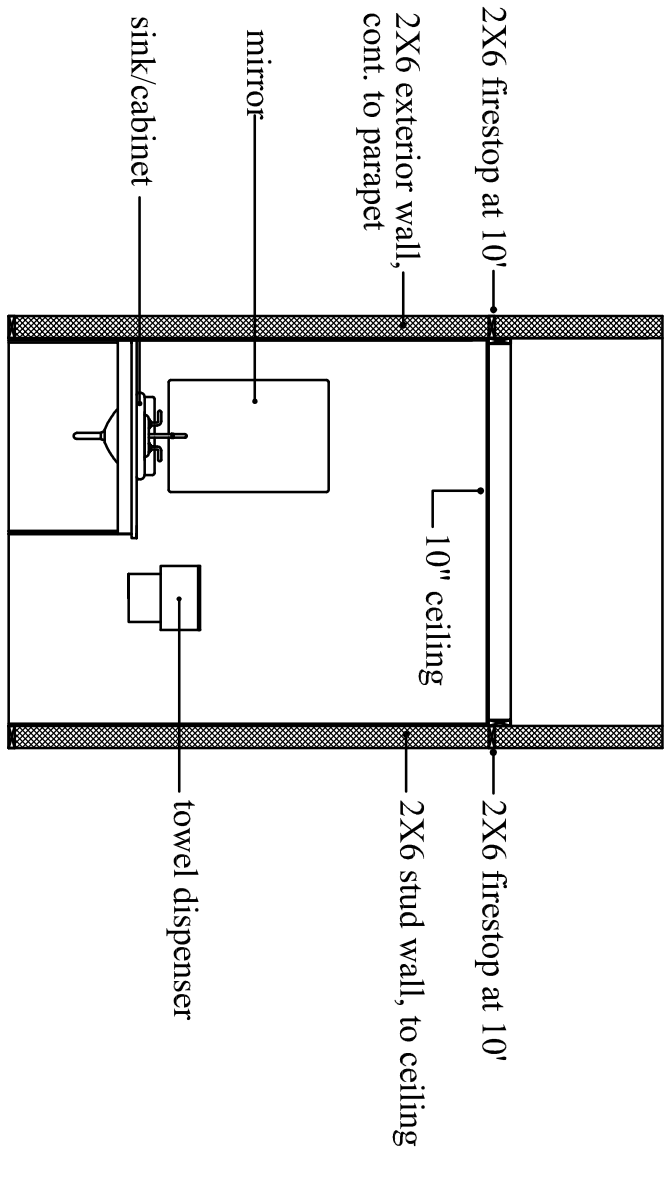


--BASEMENT FLOOR PLAN--
--SCALE: 1/4"=1'0"--

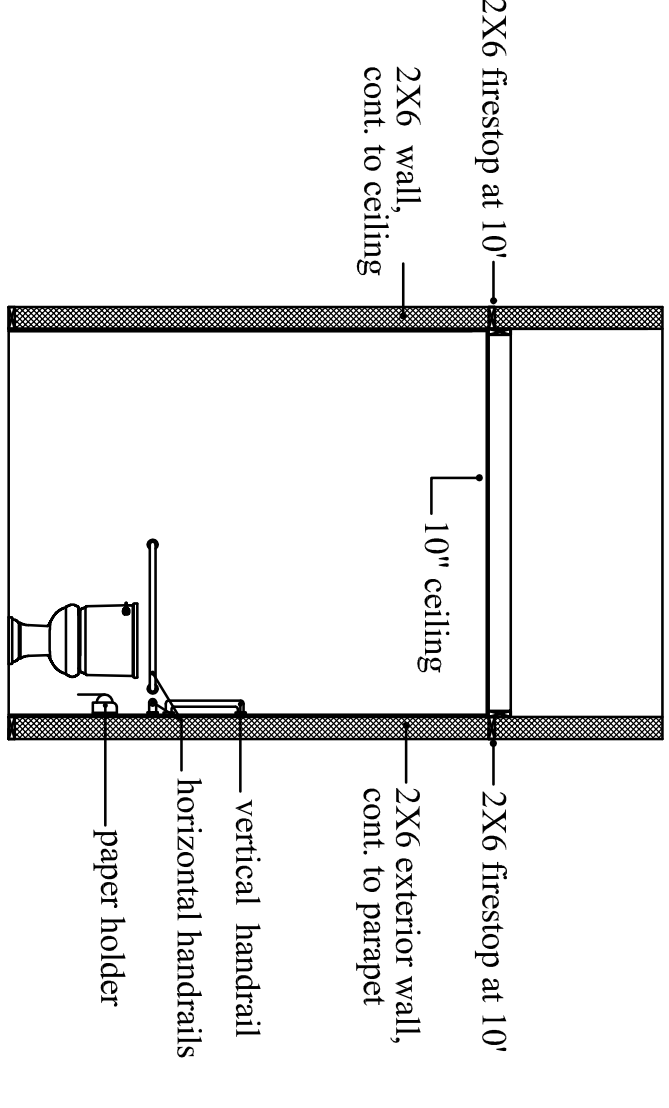
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--ELEVATION 1--
--SCALE: 1/4"=1'0"--



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



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

--RESTROOM ADA COMPLIANCE--
--SCALE: 1/4"=1'0"--

HEATING AND AIR CONDITIONING NOTES:

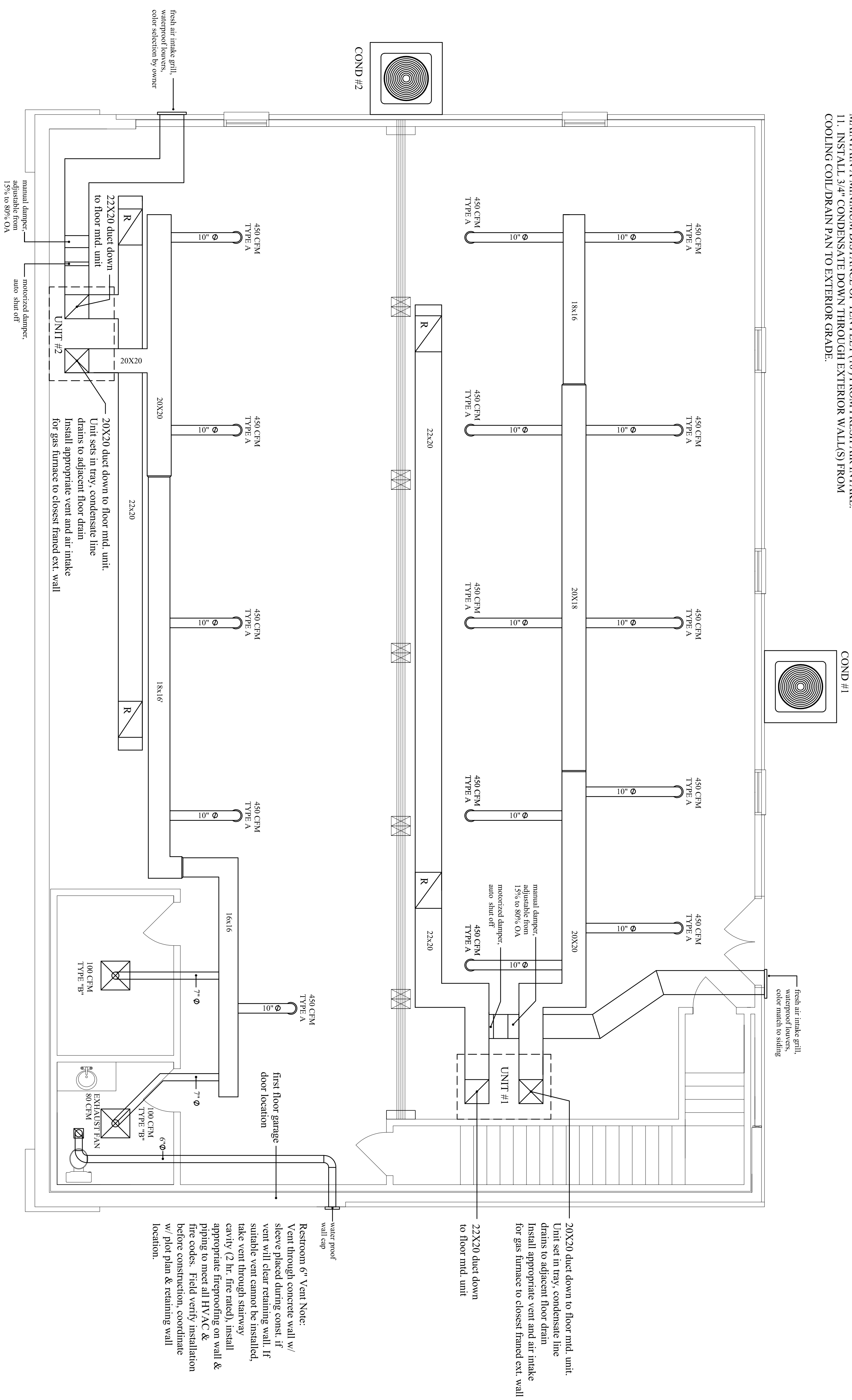
1. ALL WORK SHALL MEET APPLICABLE STATE CODES.
2. HVAC PLANS SHALL BE REVIEWED AND SUBMITTED FOR STATE INSPECTION FOR PERMITTING AND BEFORE WORK COMMENCES.
3. HVAC CONTRACTOR SHALL INSULATE ALL SUPPLY, RETURN, AND FRESH AIR INTAKE DUCTS ABOVE THE CEILING AND IN MECHANICAL ROOMS WITH 1-1/2" DUCT WRAP OR EQUIVALENT. INSULATION SHALL MEET ALL CODES.
4. HVAC CONTRACTOR MAY SUBSTITUTE ALTERNATE DUCTWORK OF EQUAL SQUARE OR ROUND DUCT SIZE TO ACCOMMODATE PASSING THROUGH OPENINGS OR STRUCTURAL WORK. NO OTHER DUCT MAY BE SUBSTITUTED WITHOUT STATE INSPECTOR APPROVAL.
5. ALL EXPOSED DUCT WORK SHALL BE RIGID IN CONSTRUCTION, NO FLEX MAY BE USED.
6. FLEX DUCT MAY BE USED IN ENCLOSED AREAS, BUT LENGTH MAY NOT EXCEED SIX FEET (6').
7. ALL CODES SHALL APPLY TO FLEX DUCT INCLUDING: TYPE, INSULATION, PRESSURE RATINGS, VOLUME FLOW, AND TEMPERATURE RANGE. (-20 DEGREES TO 175 DEGREES F).
8. SYSTEM SHALL BE BALANCED AFTER INSTALLATION.
9. MANUAL DAMPERS SHALL BE INSTALLED IN ALL FRESH AIR DUCT WORK.
10. INSTALL ANY COMBUSTION AIR VENT PIPING THROUGH ROOFING. MAINTAIN A MINIMUM DISTANCE OF TEN FEET (10') FROM FRESH AIR INTAKE.
11. INSTALL 3/4" CONDENSATE DRAIN THROUGH EXTERIOR WALL(S) FROM COOLING COIL/ DRAIN PAN TO EXTERIOR GRADE.

DIFFUSER / GRILL SCHEDULE:

- A. NINE INCH (9") ROUND NECK WITH OPPOSED BLADE DAMPER. COLOR BY OWNER.
- B. 24"x24" GRILL WITH SEVEN INCH (7") ROUND NECK WITH OPPOSED BLADE DAMPER. COLOR BY OWNER.
- C. SEVEN INCH (7") SPECIALTY DAMPER. FIRE RATED CLOSURE FOR FIRE STAIRWAY. INSTALLATION SHALL MEET ALL APPLICABLE CODES.
- R. 30"x20" RETURN GRILL ASSEMBLY, INC. BORDER TRIM. COLOR BY OWNER.

FIRST FLOOR UNIT SCHEDULE:

- UNIT-1 GAS FIRED WITH 3 TON COOLING UNIT. UNIT-2 GAS FIRED WITH 2-1/2 TON COOLING UNIT.
- FINAL SIZING PRIOR TO SUBMITTING TO STATE FOR CONSTRUCTION PERMITS.
- ALL MECHANICAL UNITS, DIFFUSERS, AND FIXTURES SHALL BE APPROVED BEFORE ORDERING EQUIPMENT OR COMMENCING INSTALLATION.



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

Project No:
24-62

Revisions:
none

Commercial Retail Space
Bowling Green, KY

Reynolds Building & Development
From Concept to Completion

DATE DRAWN: 12-12-2024
 DATE REVISED: 3-11-2025

SHEET

M1.1

HEATING AND AIR CONDITIONING NOTES:

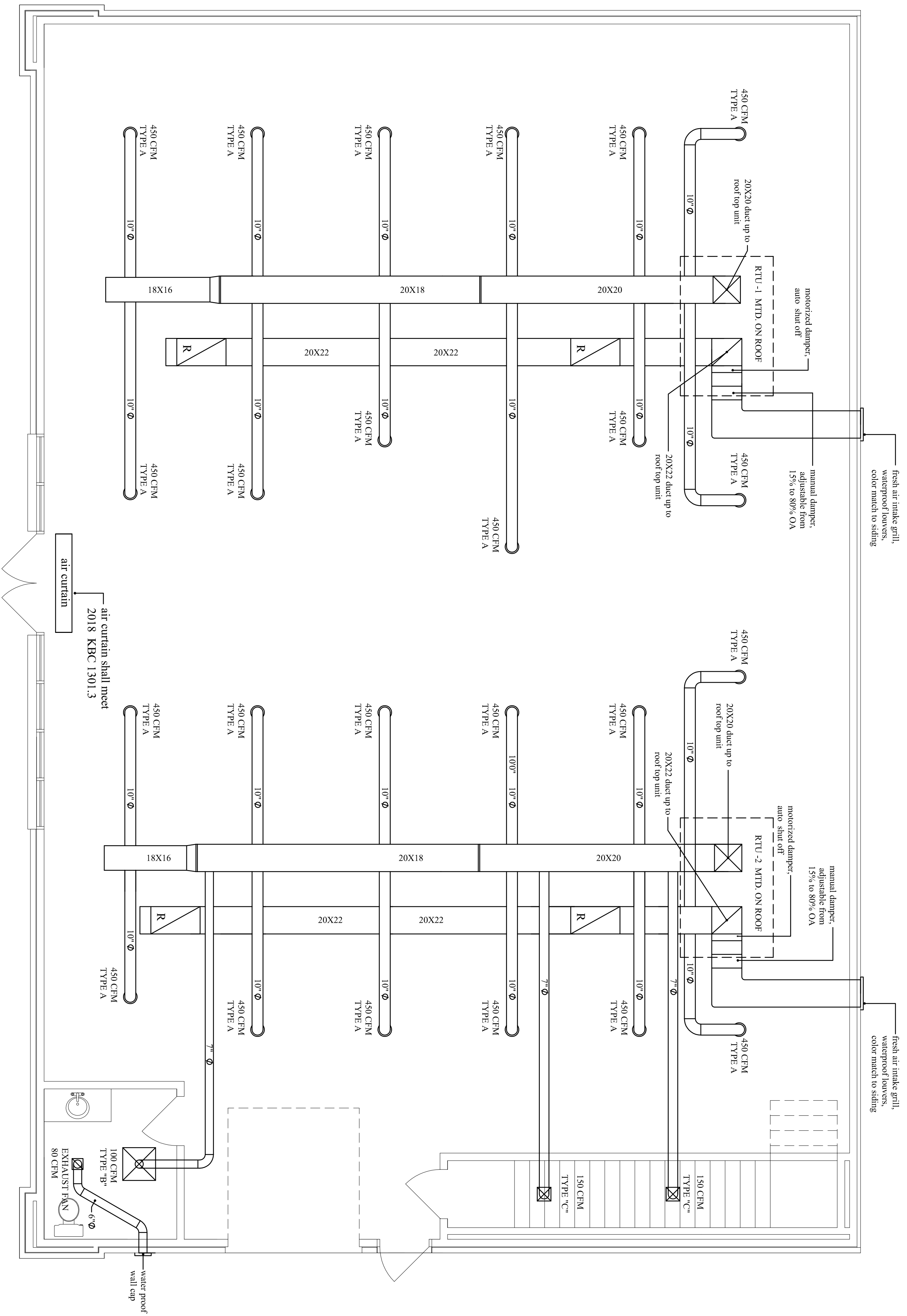
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- C. SEVEN INCH (7") SPECIALTY DAMPER. FIRE RATED CLOSURE FOR FIRE STAIRWAY. INSTALLATION SHALL MEET ALL APPLICABLE CODES.
- R. 30"x20" RETURN GRILL ASSEMBLY, INC. BORDER TRIM. COLOR BY OWNER.

ROOF TOP UNIT SCHEDULE:

- RTU-1 AND RTU-2 UNITS, BOTH GAS FIRED WITH 5 TON COOLING UNITS. FINAL SIZING PRIOR TO SUBMITTING TO STATE FOR CONSTRUCTION PERMITS. ALL MECHANICAL UNITS, DIFFUSERS, AND FIXTURES SHALL BE APPROVED BEFORE ORDERING EQUIPMENT OR COMMENCING INSTALLATION.



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

Project No: 24-62

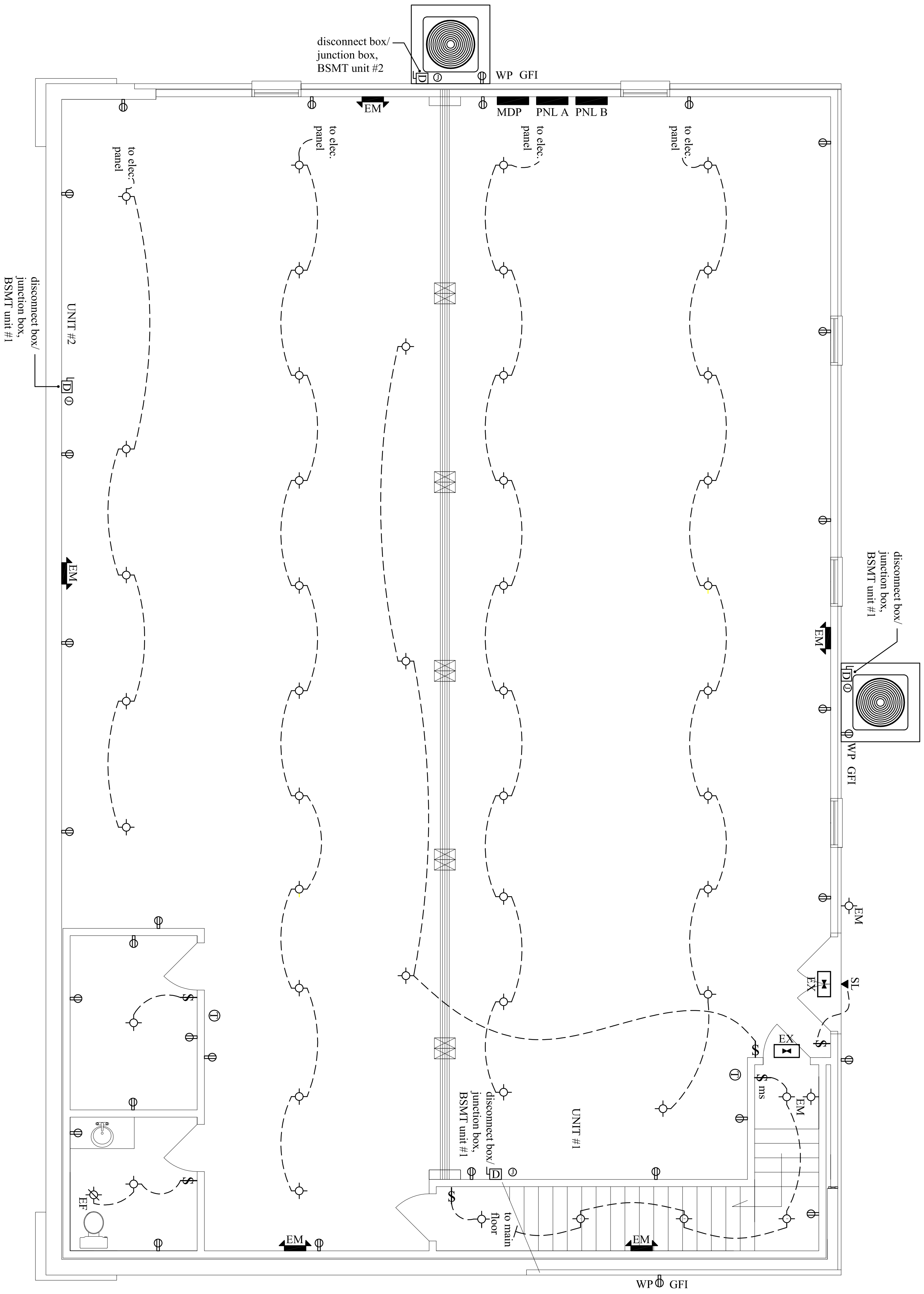
Revisions: none

Commercial Retail Space
 Bowling Green, KY

Reynolds Building & Development
 From Concept to Completion

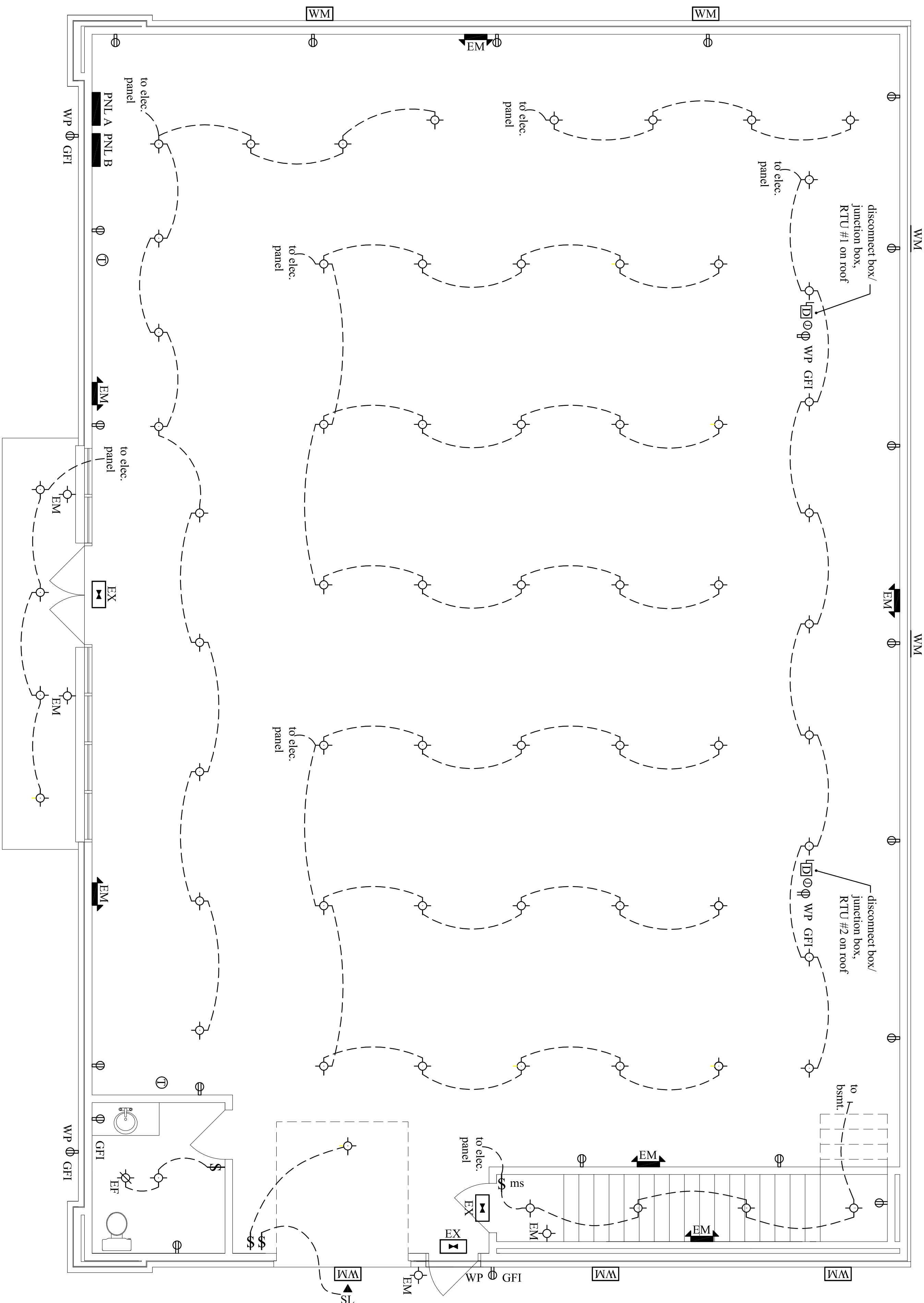
DATE DRAWN: 12-12-2024
 DATE REVISED: 3-11-2025

M1.2
 SHEET



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

LIGHTING PLAN SYMBOLS			
	Emergency Lighting		Emergency Lighting, Remote, Low Voltage, 90 Min Backup
	Exit Lighting		Sid. Wall Switch
	Exterior Wall Mid. Fixture		Wall Switch, Motion Sensor
	Security Lighting, Manual Switch		HVAC Thermostat

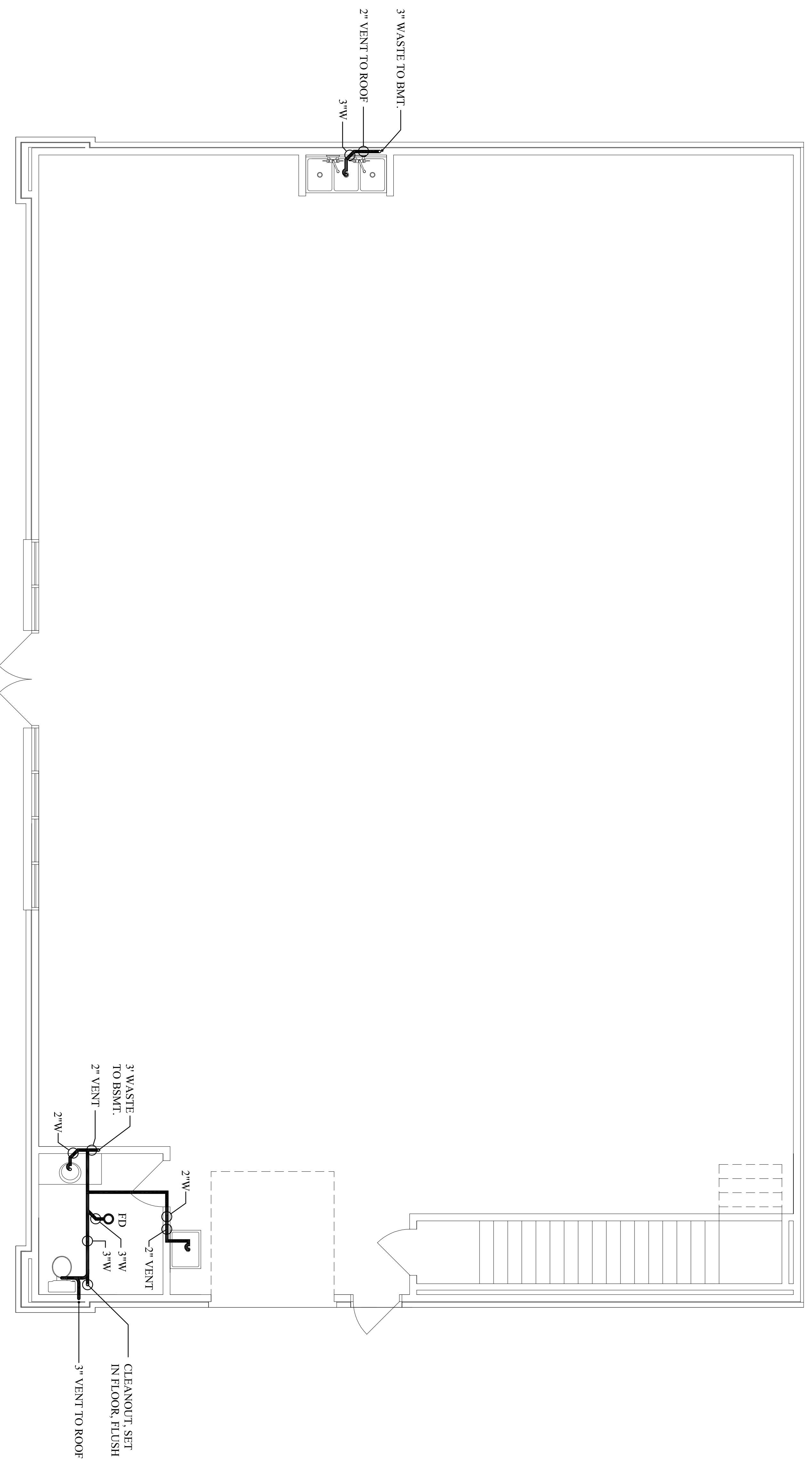
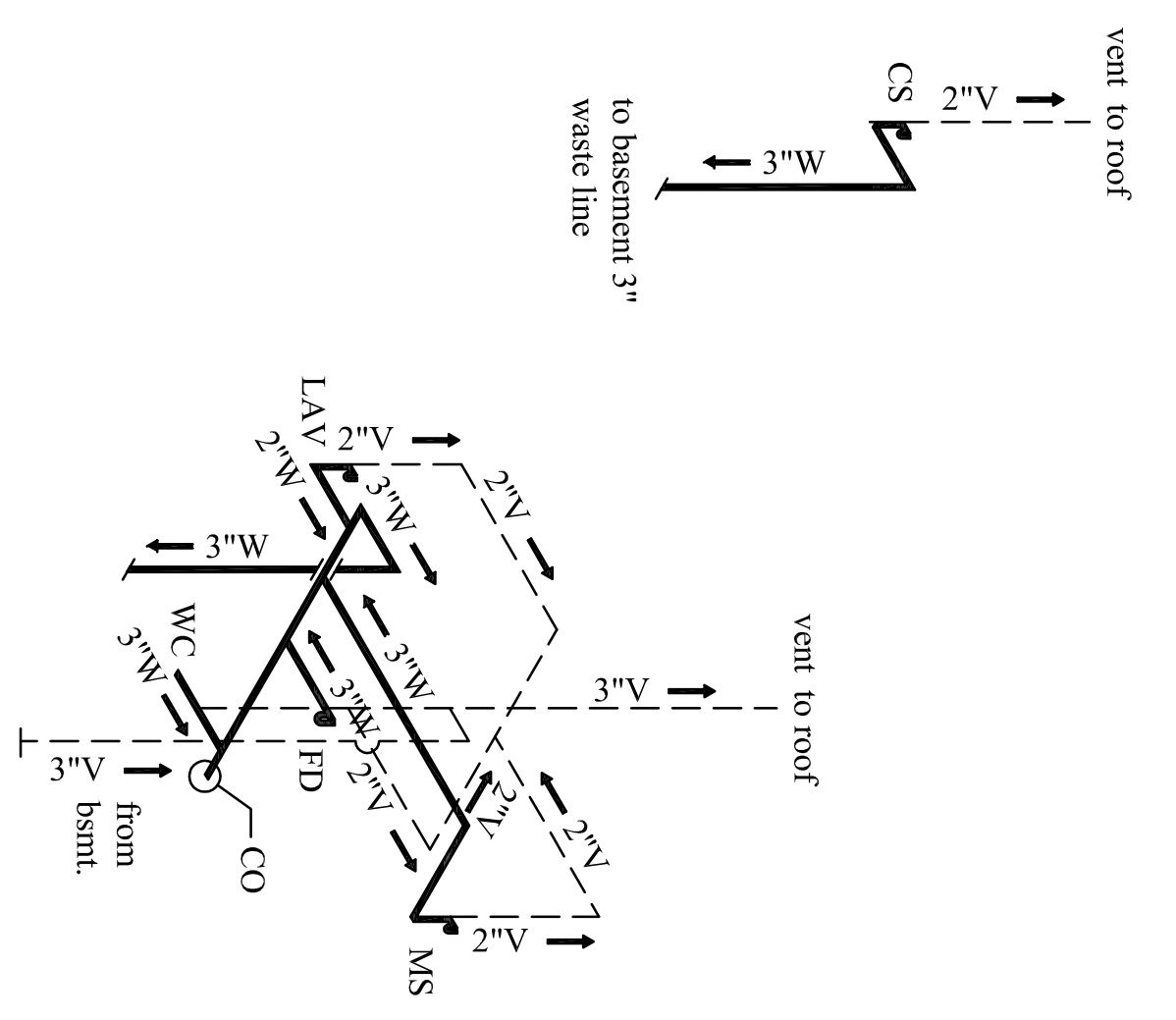


--SECOND FLOOR ELECTRICAL PLAN--
 --SCALE: 1/4"=1'0"--

LIGHTING PLAN SYMBOLS			
	Emergency Lighting		Emergency Lighting, Remote, Low Voltage, 90 Min Backup
	Exit Lighting		Exhaust Fan
	Exterior Wall Mid. Fixture		Wall Switch, Motion Sensor
	Security Lighting, Manual Switch		Wall Outlet, GFI

- PLUMBING NOTES:**
1. Plumbing contractor shall guarantee that all local, state, and national codes are met at time of construction.
 2. Plumbing contractor shall supply and install all gas piping.
 3. All plumbing work shall be performed by licensed plumbing contractor.
 4. All hot and cold outlets shall have shut off valves installed at all fixtures.
 5. All hot and cold water lines shall be insulated above finished ceilings on the main floor.
 6. Plumbing contractor shall supply and install 1/2" hot and cold water lines to all lavatories and sinks and 1/2" cold water line to all water closets.
 7. All plumbing supply lines shall be either PEX or copper.
 8. Plumbing contractor shall provide all connections to all fixtures and equipment and run condensate lines for HVAC units to floor drains if needed.
 9. Install and recess all floor drains.
 10. Owner shall supply all fixtures and trim items, if plumbing contractor supplies fixtures and trim, the owner must approve prior to installation.
- PLUMBING FIXTURE SCHEDULE:**
- WC - water closet, toilet
 - LAV - lavatory
 - MS - mop sink
 - FD - floor drain
 - ST - sewage holding & pumping tank
 - CS - 3 compartment sink
 - CO - Clean out

--SECOND FLOOR PLUMBING & RISER DIAGRAM--



--SECOND FLOOR PLUMBING DIAGRAMS--
--SCALE: 1/4"=1'0"--

STRUCTURAL NOTES:

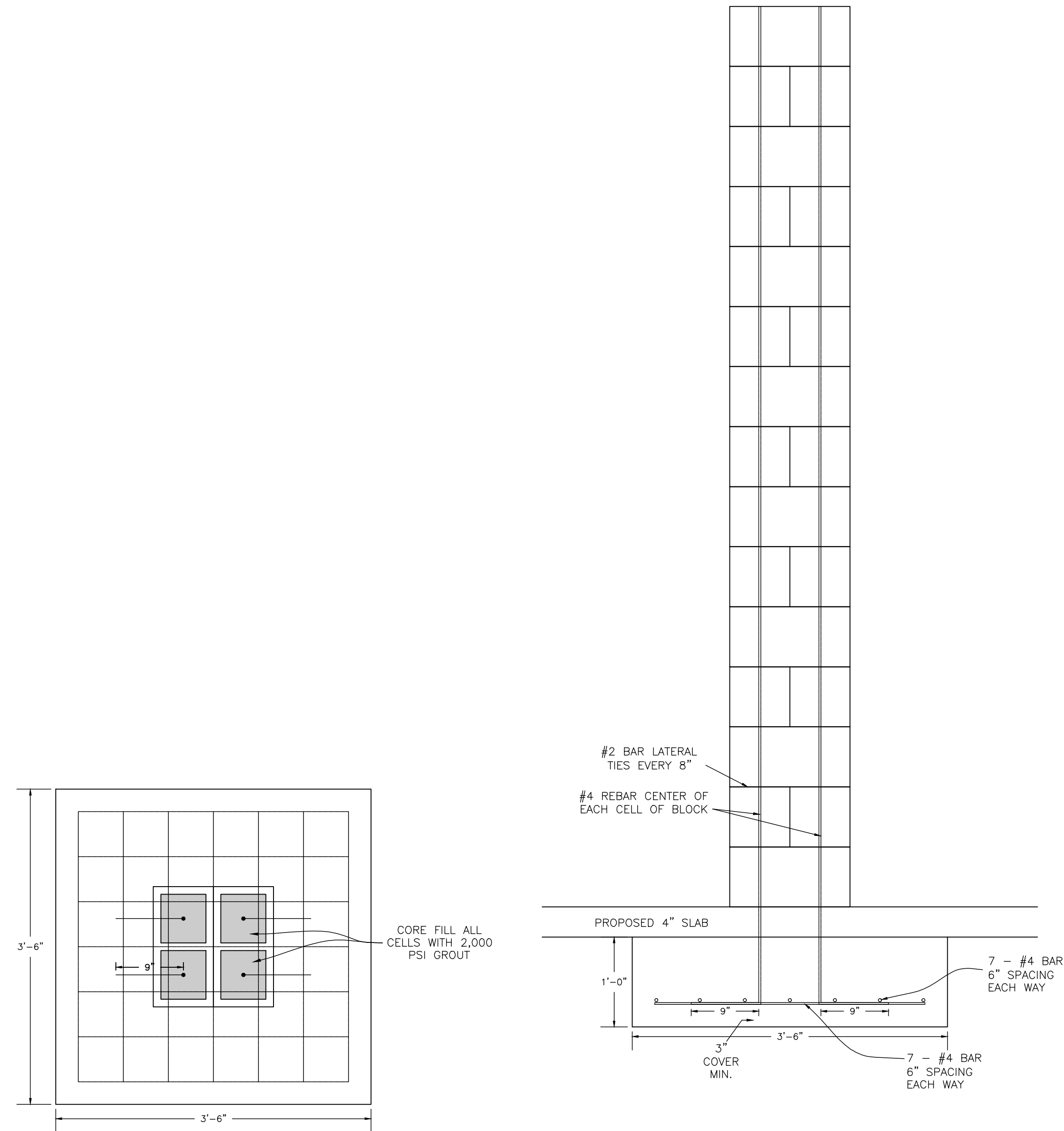
1. SITE CLASS D.

FOUNDATION NOTES:

1. SOIL ALLOWABLE BEARING 3,500 PSF.
2. SOIL LATERAL BEARING 150 PSF/F.
3. LATERAL SLIDING COEFFICIENT OF FRICTION 0.25.
4. EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 3" BELOW FINAL GRADE OR 2" BELOW UNDISTURBED SOIL OR ENGINEERED FILL, WHICHEVER IS DEEPER.

CONCRETE NOTES:

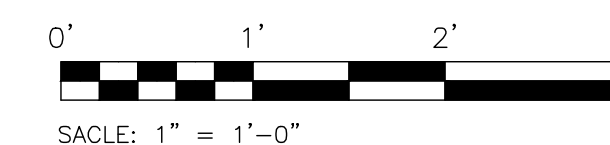
1. CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF:
 - 1.1. FOOTINGS-3,000 PSI
 - 1.2. SLABS ON GRADE-4,000 PSI
2. REINFORCING STEEL SHALL HAVE A MINIMUM SPECIFIED YIELD STRENGTH OF 60,000 PSI. BARS SHALL BE PER ASTM A615 OR A706. WELDED WIRE FABRIC SHALL BE PER ASTM A185.
3. REINFORCING COVER SHALL BE:
 - 3.1. 3" MINIMUM FROM THE BOTTOM OF SLABS ON GRADE AND FOOTINGS
 - 3.2. 2" MINIMUM FROM THE TOP OR SIDES OF SLABS ON GRADE AND FOOTINGS.
4. LAP SPLICES SHALL BE:
 - 4.1. 30" FOR #5 REINFORCING BARS.
 - 4.2. 24" FOR #4 REINFORCING BARS.
 - 4.3. 8" FOR #6 W.W.F.
5. ALL EXPOSED FORMED SURFACES SHALL BE PROVIDED A RUBBED FINISH AFTER REMOVAL OF FORMS.
6. ALL CONCRETED EXPOSED TO WEATHER SHALL BE AIR ENTRAINED WITH 6% AIR.
7. ALL BEARING SURFACES SHALL BE LEVEL (WITHIN 1/4" IN 12).
8. AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS, PROVIDE BENT BARS OF EQUAL SIZE AND AT THE SAME SPACING AS TYPICAL REINFORCING AROUND CORNER AND /OR INTO ABUTTING WALL. BARS SHALL HAVE EMBEDMENT OF 24 DIAMETERS (12" MINIMUM) PAST INSIDE EDGE OF CORNER.



COLUMN DETAIL

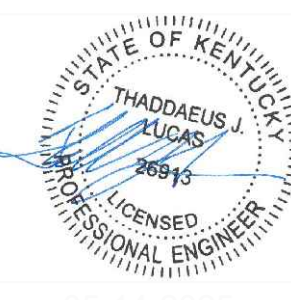
DESIGN LOAD:

1. THIS COLUMN AND FOOTING WERE DESIGNED FOR A LIVE LOAD OF 80 PSF AND A DEAD LOAD OF 50 PSF. THE TOTAL FACTORED LOAD IS 188 PSF.
2. THE TRIBUTARY AREA IS 144 SF FOR EACH COLUMN WITH AN ULTIMATE LOAD OF 27,072 LBS OR 27.1 KIPS.



REVISIONS

Date	Description



COLUMN DESIGN
5844 SCOTTSMILLE ROAD
BOWLING GREEN KY 42101



Civil Engineering
Transportation
Materials Testing
Land Surveying
Land Planning
Landscape Architecture

Landmark Engineering, Inc.
183 Saint Charles Street
Bowling Green, KY 42101
P: 270.842.0812 F: 270.842.0910
le@landmarkengineering.net

Drawn By: T. Lucas
Checked By: T. Lucas
Approved By: T. Lucas

Job Number: 25096

DATE
Drawn: May 8th, 2025
Plot Stamp: May 14, 2025

FOUNDATION
PLAN

S1.0

SECTION - STRUCTURE