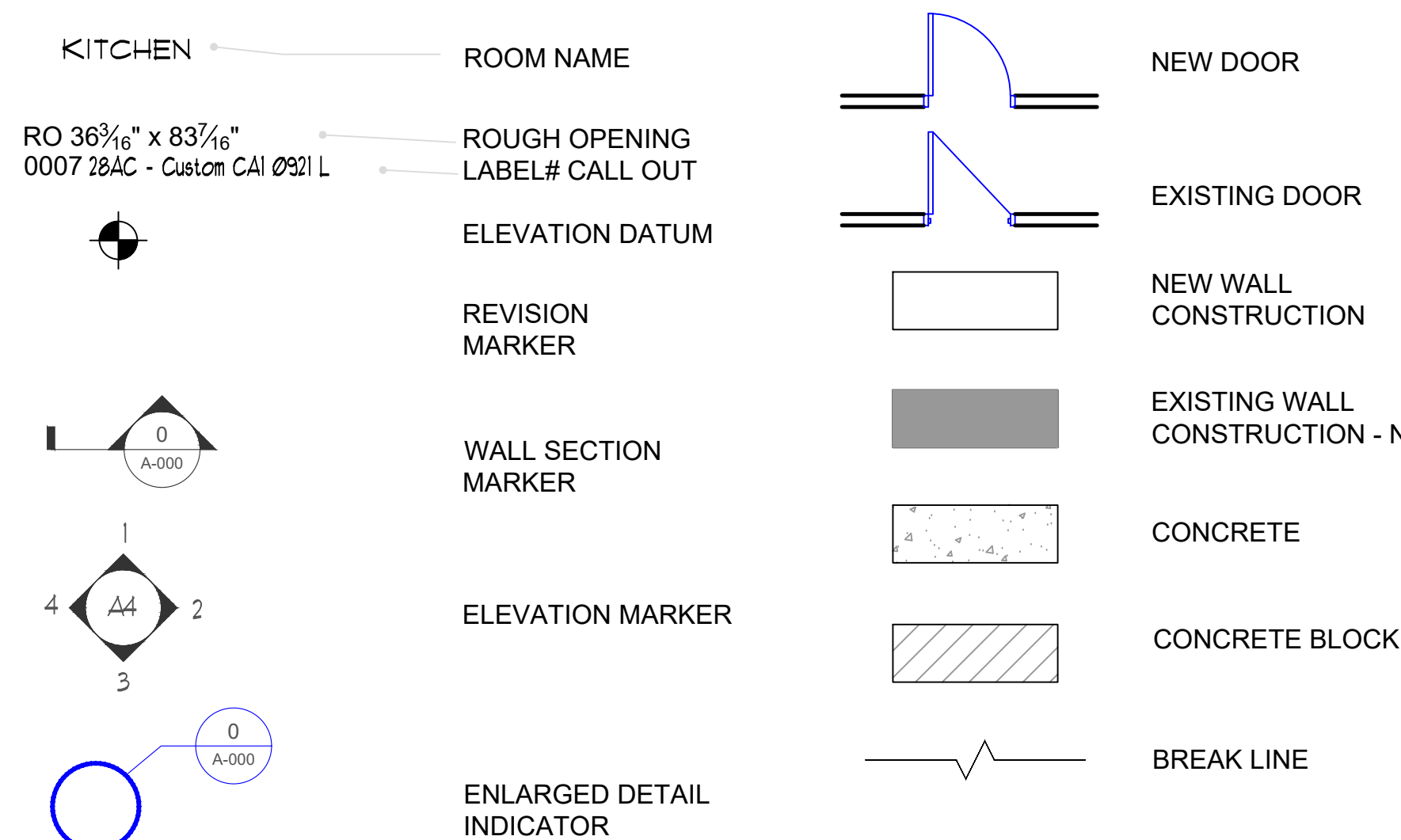


4th LANE FLATS – 39 UNIT

KASSON, MN

SYMBOLS:



PROPOSED
BUILDING SITE

ABBREVIATIONS:

A. A.B. ANCHOR BOLT	F. FD. FLOOR DRAIN	Q. QT. QUARRY TILE
ACT. ACOUSTICAL CEILING TILE	FDN. FOUNDATION	R. R. RADIUS
ADA. AMERICANS DISABILITIES ACT	FE. FIRE EXTINGUISHER	RD. ROOF DRAIN
ADD. ADDENDUM	FLR. FLOOR	REB. REINFORCING ROD
ADDL. ADDITIONAL	FRP. FIBERGLASS REINFORCED PANEL	REC. RECESSED
ADJ. ADJACENT		REF. REFERENCE
ADMIN. ADMINISTRATION		REFRIG. REFRIGERATOR
A.F.F. ABOVE FINISHED FLOOR	FT. FOOT/FEET	REINF. REINFORCING
AHU. AIR HANDLING UNIT	FTG. FOOTING	REQD. REQUIRED
ALT. ALTERNATE	FTN. FOUNTAIN	REV. REVISION
ALUM. ALUMINUM	FUT. FUTURE	RM. ROOM
AP. ACCESS PANEL		RO. ROUGH OPENING
APPROX. APPROXIMATE	G. GA. GAUGE	
ARCH. ARCHITECTURAL	GALV. GALVANIZED	S. SCHD. SCHEDULE
ATC. ACOUSTIC TILE CEILING	GB. GRAB BAR	SD. SMOKE DAMPER
AUTO. AUTOMATIC	GEN. GENERAL	SECT. SECT.
B. BD. BOARD	GYP. GYPSUM	SHR. SHOWER
BIT. BITUMINOUS		SHT. SHEET
BLDG. BUILDING	H. H. HIGH	SHTG. SHEATING
BLKS. BLOCKS	HB. HOSE BIBB	SIM. SIMILAR
BM. BEAM	HDCP. HANDICAP	SPEC. SPECIFICATION
BOT. BOTTOM	HDR. HEADER	ST. STREET
BEARING BEARING	HGT. HEIGHT	STD. STANDARD
BSMT. BASEMENT	HMI. HOLLOW METAL	STL. STEEL
	HORIZ. HORIZONTAL	STOR. STORAGE
C. CAB. CABINET	HR. HOUR	STRUCT. STRUCTURAL
CONSTRUCTION JOINT	HTR. HEATER	SUPV. SUPERVISOR
CLG. CEILING	HVAC. HEATING VENTILATING	SUSP. SUSPENDED
CLR. CLEAR	IN. INCH	
CMU. CONCRETE MASONRY UNITS	INSUL. INSULATION	T. TEMP. TEMPERED
COL. COLUMN	INT. INTERIOR	T. TERR. TERRAZZO
COMB. COMBINATION		T&G. TONGUE AND GROOVE
CONC. CONCRETE	J. JAN. JANITOR	T-HOLD. THRESHOLD
CONF. CONFERENCE	JST. JOIST	T. TUBE STEEL
CONN. CONNECTION	JT. JOINT	TV. TELEVISION
CONST. CONSTRUCTION	K. KO. KNOCK OUT	TYP. TYPICAL
CONT. CONTINUOUS	L. LAM. LAMINATE	
CONTR. CONTRACTOR	LAV. LAVATORY	U. UNFIN. UNFINISHED
COORD. COORDINATE	LB. LBS. POUND	UNLESS NOTED OTHERWISE
CORR. CORRIDOR	LIN. LINEAR	UR. URINAL
CPT. CARPET	LVR. LOUVER	UTL. UTILITY
CT. CERAMIC TILE	M. MATL. MATERIAL	V. VCT. VINYL COMPOSITION TILE
CTR. CENTER	MAX. MAXIMUM	VENT. VENTILATION
D. DEMO. DEMOLITION	MECH. MECHANICAL	VERT. VERTICAL
DEPT. DEPARTMENT	MEMB. MEMBRANE	VEST. VESTIBULE
DF. DRINKING FOUNTAIN	MTL. METAL	
DIA. DIAMETER	MEZZ. MEZZANINE	W. W. WIDE
DIA. DIAGONAL	MFG. MANUFACTURING	W. WITH
DIM. DIMENSION	MFR. MANUFACTURER	WO. WITHOUT
DISP. DISPENSER	MIN. MINIMUM	WD. WOOD
DIST. DISTRIBUTION	MIR. MIRROR	WDO. WINDOW
DIV. DIVISION	MISC. MISCELLANEOUS	WGT. WEIGHT
DR. DOWN	M.O. MASONRY OPENING	W-STRIP. W-STRIP
DOWNPOUT	MTD. MOUNTED	W.W.F. W.W.F.
DTL. DETAIL	N. N/A. NOT APPLICABLE	WP. WATERPROOF
DW. DISHWASHER	NIC. NOT IN CONTRACT	
DWG. DRAWING	NO. NUMBER	Y. YD. YARD
E. EA. EACH	NOM. NOMINAL	ANGLE
EF. EXHAUST FAN	NTS. NOT TO SCALE	AT. AT
EIFS. EXTERIOR INSULATION		AND
EL. ELEVATION	O. OC. ON CENTER	CENTER LINE
ELEC. ELECTRICAL	OPP. OPPOSITE	STRUCTURAL LINE
ELEV. ELEVATOR	P. PL. PLATE	DIAMETER
EMERG. EMERGENCY	N. PLAM. PLASTIC LAMINATE	
ENCLOSURE	PLMB. PLUMBING	
ENR. ENTRANCE	PLY. PLYWOOD	
EQU. EQUIPMENT	PNL. PANEL	
EX. EXISTING	PR. PAIR	
EXP. EXPANSION	PRELIM. PRELIMINARY	
EXT. EXTERIOR		

SHEET INDEX:

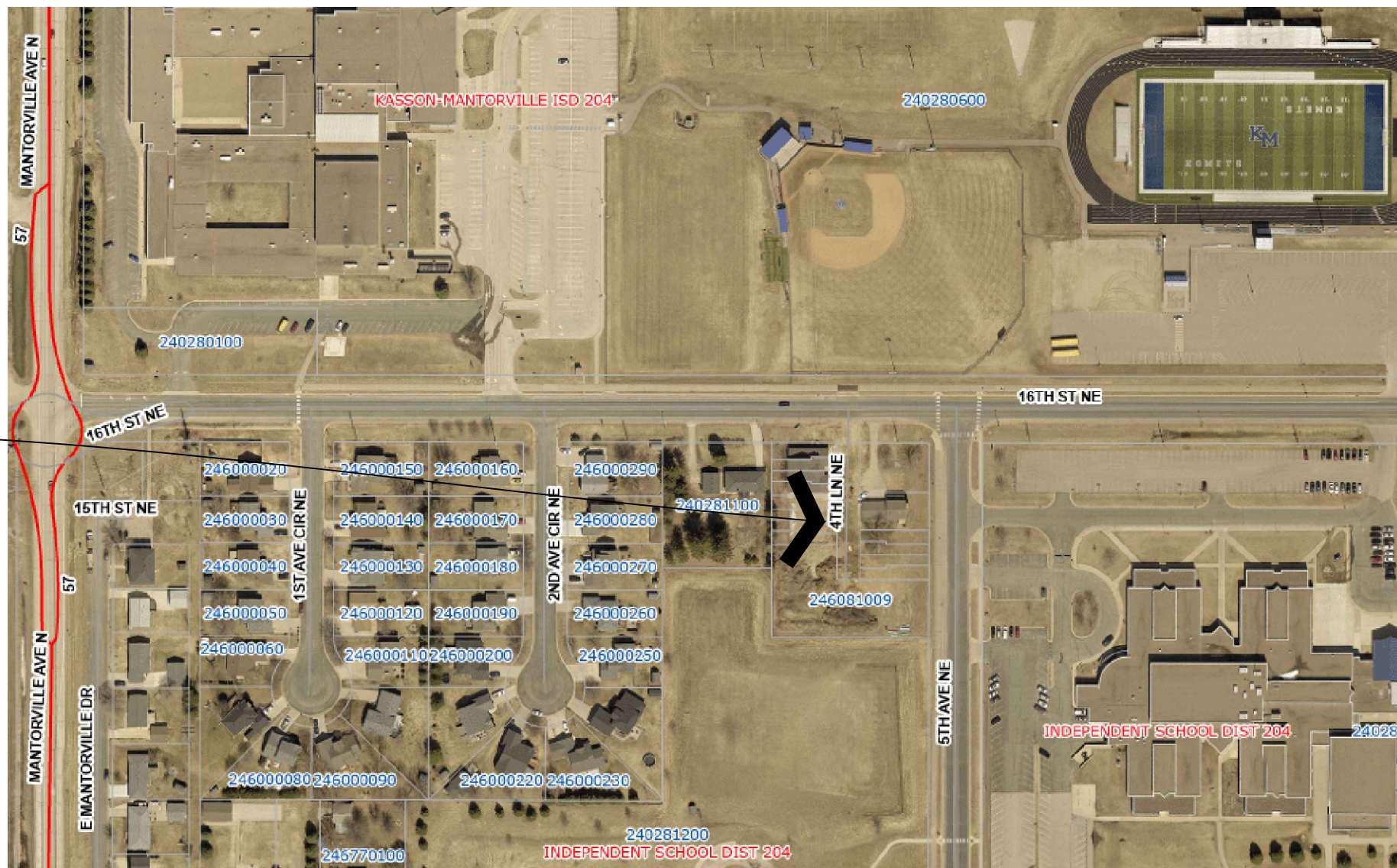
ARCHITECTURAL

T1.0	TITLE SHEET, AERIAL PHOTO, & CODE REVIEW	A5.1	BUILDING SECTION
A1.0	PARKING LEVEL FLOOR PLAN	A5.2	BUILDING SECTION
A2.1	FIRST LEVEL FLOOR PLANS	A5.3	DETAILS
A2.2	FIRST LEVEL UNIT PLANS		
A2.3	MAIN LEVEL FLOOR PLAN		
A2.4	STAIR & ELEVATOR FLOOR PLANS & INT ELEV		
A3.1	SECOND LEVEL FLOOR PLAN		
A3.2	THIRD LEVEL FLOOR PLAN		
A3.3	2ND & 3RD LEVEL UNIT PLANS		
A4.1	NORTH & EAST EXTERIOR ELEVATIONS		
A4.2	SOUTH & WEST EXTERIOR ELEVATIONS		

STRUCTURAL

S1.1	FOUNDATION PLAN
S1.2	ENLARGED PLANS & DETAILS
S2.1	PRECAST PLANK PLAN
S2.2	PRECAST PLANK DETAILS
S3.1	MAIN LEVEL FLOOR PLAN
S3.2	SECOND LEVEL FLOOR PLAN
S3.3	THIRD LEVEL FLOOR PLAN

PROPOSED PROJECT LOCATION:



PROJECT DIRECTORY:

OWNER	STRUCTURAL ENGINEERS	MECHANICAL DESIGN/BUILD
OWNER: 504 VENTURES PHONE: (507) 251-9470 EMAIL: jaimie@judisch.com	STROH ENGINEERING PO Box 1058 JEROME AZ, AZ 86331 PHONE: (808) 463-2256 EMAIL: strohengineering@1791.com	SUPERIOR MECHANICAL 2002 HIGHWAY 14 EAST ROCHESTER MN 55904 PHONE: (808) 289-0229 EMAIL: egander@superiormechanical.us
CONTACT: JAMIE JUDISCH	CONTACT: BERNIE STROH	CONTACT: ERIC GANDER
PROJECT COORDINATOR	CIVIL ENGINEER	ELECTRICAL DESIGN/BUILD
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CONTACT: AARON THOMPSON	CONTACT: MARK WELCH	CONTACT: JORDAN BARNES
ARCHITECT	GENERAL CONTRACTOR:	
CHRIS PETERSON 101 SOUTH WASHINGTON LAKE CITY, MN 55041 PHONE: (615) 345-0144 EMAIL: trimensionlc@gmail.com	KEY BUILDERS 6876 10TH AVE SW, SUITE D ROCHESTER MN 55902 PHONE: (507) 288-3235 EMAIL: brad@keybuildersinc.com	
CONTACT: CHRIS PETERSON	CONTACT: BRAD CLEMENS	

CODE SUMMARY:

REFERENCE CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING & OTHER STATE AND LOCAL CODES HAVING JURISDICTION.	
BUILDING	2020 MINNESOTA BUILDING CODE
PLUMBING	2020 MINNESOTA PLUMBING CODE
MECHANICAL	2020 MINNESOTA MECHANICAL AND FUEL GAS CODE
ELECTRICAL	2020 MINNESOTA ELECTRICAL CODE
FIRE CODE	2020 MINNESOTA FIRE CODE
ACCESSIBILITY	2020 MINNESOTA ACCESSIBLE CODE
ENERGY CODE	2024 MN ENERGY CODE

JURISDICTION

Kasson, MN

Project Summary: This code information is for the new construction of a 39 unit apartment building. The first level of the building will be a parking level (S-2) with Type I construction and the three stories above will be Type V construction of R-2 occupancy.

Construction Type:	I-B first level parking V-A three floors of apartments	NFPA 13 sprinkler system NFPA 13 R sprinkler system
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Use Groups:	S-2 Parking R-2 Rental dwelling units
-------------	--

Separations:

- 510.2 Horizontal building separation allowance. A building shall be considered as a separate and distinct buildings for the purpose of determining area limitations, continuity of fire walls, limitation of number of stories and type of construction where all of the following conditions are met:
- The buildings are separated with a horizontal assembly having a fire-resistance rating of not less than 3 hours. Where vertical offsets are provided as part of a horizontal assembly, the vertical offset and the structure supporting the vertical offset shall have a fire resistance rating of not less than 3 hours.
 - The building below, including the horizontal assembly, is of Type IA construction.
 - Shaft, stairway, ramp and escalator enclosures through the horizontal assembly shall have not less than a 2-hour fire resistance rating with opening protectives in accordance with Section 716.
- Exception: Where the enclosure walls below the horizontal assembly have not less than a 3-hour fire resistance rating with opening protectives in accordance with Section 716, the enclosure walls extending above the horizontal assembly shall be permitted to have a 1-hour fire resistance rating, provided:
- The building above the horizontal assembly is not required to be of Type I construction;
 - The enclosure connects fewer than four stories; and
 - The enclosure opening protectives above the horizontal assembly have a fire protection rating of not less than 1 hour.
4. The building or buildings above the horizontal assembly shall be permitted to have multiple Group A occupancy uses, each with an occupant load of less than 300, or Group B, M, R or S occupancies.
5. The building below the horizontal assembly shall be protected throughout by an approved automatic sprinkler system in accordance with Section 903.3.1.1, and shall be permitted to be any occupancy allowed by this code except Group H.
6. The maximum building height in feet shall not exceed the limits set forth in Section 504.3 for the building having the small allowable height as measured from the grade plane.

420.2 Separation walls. Walls separating dwelling units in the same building, walls separating sleeping units in the same building and walls separating dwelling or sleeping units from other occupancies continuous to them in the same building shall be constructed as fire partitions in accordance with Section 708.

- Exception:
- Where sleeping units include private bathrooms, walls between bedrooms and the associated private bathrooms are not required to be constructed as fire partitions.
 - Where sleeping units are constructed as suites, walls between bedrooms within the sleeping unit and the walls between the bedrooms and associated living spaces are not required to be constructed as fire partitions.
- 420.3 Horizontal separation. Floor assemblies separating dwelling units in the same buildings, floor assemblies separating sleeping units in the same building and floor assemblies separating dwelling or sleeping units from other occupancies contiguous to them in the same building shall be constructed as horizontal assemblies in accordance with Section 711.

711.2.4.3 Dwelling units and sleeping units. Horizontal assemblies serving as dwelling or sleeping unit separations in accordance with Section 420.3 shall be not less than 1-hour fire resistance rated construction.

1206.2 Airborne sound. Walls, partitions and floor-ceiling assemblies separation dwelling units and sleeping units from each other or from public or service area shall have a sound transmission class of not less than 50, or not less than 45 if field tested, for airborne noise where tested in accordance with ASTM E90. Alternatively, the sound transmission class of walls, partitions and floor-ceiling assemblies shall be established by engineering analysis based on a comparison of walls, partitions and floor-ceiling assemblies having sound transmission class rating as determined by the test procedures set forth in ASTM E90. Penetrations or openings in construction assemblies for piping, electrical devices; recessed cabinets; bathtubs; soffits; or heating, ventilating or exhaust ducts shall be sealed, lined, insulated or otherwise treated to maintain the required ratings. This requirement shall not apply to entrance doors; however, such doors shall be tight fitting to the frame and sill.

1206.3 Structure-borne sound. Floor-ceiling assemblies between dwelling units and sleeping units or between a dwelling unit or sleeping unit and a public or service area within the structure shall have an impact insulation class rating of not less than 50, or not less than 45 if field tested, where tested in accordance with ASTM E492. Alternatively, the impact insulation class of floor-ceiling assemblies shall be established by engineering analysis based on a comparison of floor-ceiling assemblies having impact insulation class rating as determined by the test procedures in ASTM E492.

708.4.2 Fire-blocks and draft-stops in combustible construction. In combustible construction where fire partitions do not extend to the underside of the floor or roof sheathing, deck or slab above, the space above and along the line of the fire partition shall be provided with one of the following:

- Fire-blocking up to the underside of the floor or roof sheathing, deck or slab above using materials complying with Section 718.2.1
- Draft-stopping up to the underside of the floor or roof sheathing, deck or slab above using materials complying with Section 718.3.1 for floors or section 718.4.1 for attics.

- Exceptions:
- Buildings equipped with an automatic sprinkler system installed throughout in accordance with Section 903.3.1.2 provided that protection is provided in the space between the top of the fire partition and underside of the floor or roof sheathing, deck, or slab above as required for systems complying with Section 903.3.1.1.
 - Where corridor walls provide a sleeping unit or dwelling unit separation, draftstopping shall only be required above one of the corridor walls.
 - NA
 - In Group R-2 occupancies up to and including four stories in height in buildings not exceeding 60' in height above grade plane, the attic space shall be subdivided by draft-stops into areas not exceeding 3000 sf or above every two dwelling units. Whichever is smaller.
 - NA

Actual Height / Story / Area	R-2	S-2
	32' / 3-Story / 13,268 sf	9'1"-Story / 13268 sf
Allowable Height / Story / Area	R-2	S-2
	180' / U/L / U/L	60' height / 4 Story / 12000 sf (13,740 SF w/ AREA INCREASE)
		Table 504.3 / Table 504.5 / IBC Table 506.2

Occupant Load	Dwelling units	Parking	Total occupants
	13268 sf / 200 = 66.34 x 3 = 199 occupants	13268 sf / 500 = 26 occupants	224 occupants

Egress Requirements	Third floor: two exits required and provided - 33 occ. per stair Second floor: two exits required and provided - 66 occ. per stair - 44" min. between handrails Main floor: two exits required and provided Parking level: two exits required and provided - 33 occ. per stair
Plumbing:	One service sink is not required. One drinking fountain is not required.

General Accessibility Notes:

1004.9 Operable Parts. Lighting controls, electrical switches and receptacle outlets, environmental controls, electrical panelboards, and user controls for security or intercom systems shall comply with Sections 309.2 and 309.3.

- EXCEPTIONS:
- Receptacle outlets serving a dedicated use.
 - Where two or more receptacle outlets are provided in a kitchen above a length of countertop that is uninterrupted by a sink or appliance, one receptacle outlet shall not be required to comply with Section 309.
 - Floor receptacle outlets.
 - HV AC diffusers.
 - Controls mounted on ceiling fans.
 - Controls or switches mounted on appliances.
 - Plumbing fixture controls.
 - Reset buttons and shut offs serving appliances, piping and plumbing fixtures.
 - Where redundant controls other than light switches are provided for a single element, one control in each space shall not be required to be accessible.

- 1004.10 Laundry Equipment. Washing machines and clothes dryers shall comply with Section 1004.10.
- 1004.10.1 Clear Floor Space. A clear floor space complying with Section 305.3, shall be provided. A parallel approach shall be provided for a top loading machine. A forward or parallel approach shall be provided for a front loading machine.
- 1004.11 Toilet and Bathing Facilities. Toilet and bathing fixtures shall comply with Section 1004.11.
- 1004.11.1 Grab Bar and Shower Seat Reinforcement. Reinforcement shall be provided for the future installation of grab bars and shower seats at water closets, bathtubs, and shower compartments. Where walls are located to permit the installation of grab bars and seats complying with Section 604.5 at water closets; grab bars complying with Section 607.4 at bathtubs; and for grab bars and shower seats complying with Sections, 608.3, 608.2.1.3, 608.2.2.3 and 608.2.3.2 at shower compartments; reinforcement shall be provided for the future installation of grab bars and seats complying with those requirements.

1004.11.3.1.1 Lavatory. A clear floor space complying with Section 305.3, positioned for a parallel approach, shall be provided at a lavatory. The clear floor space shall be centered on the lavatory. EXCEPTION: A lavatory complying with Section 606 shall be permitted. Cabinetry shall be permitted under the lavatory provided the following criteria are met: (a) The cabinetry can be removed without removal or replacement of the lavatory; and (b) The floor finish extends under the cabinetry; and (c) The walls behind and surrounding the cabinetry are finished.

1004.11.3.1.2 Water Closet. The water closet shall comply with Section 1004.11.3.1.2. 1004.11.3.1.2.1 Location. The centerline of the water closet shall be 16 inches (405 mm) minimum and 18 inches (455 mm) maximum from one side of the required clearance. 1004.11.3.1.2.2 Clearance. Clearance around the water closet shall comply with Sections 1004.11.3.1.2.2.1 through 1004.11.3.1.2.2.3.

EXCEPTION: Clearance complying with Sections 1003.11.2.4.2 through 1003.11.2.4.4.

1004.11.3.1.2.2.1 Clearance Width. Clearance around the water closet shall be 48 inches (1220 mm) minimum in width, measured perpendicular from the side of the clearance that is 16 inches (405 mm) minimum and 18 inches (455 mm) maximum from the water closet centerline.

1004.11.3.1.2.2.2 Clearance Depth. Clearance around the water closet shall be 56 inches (1420 mm) minimum in depth, measured perpendicular from the rear wall.

1004.11.3.1.2.2.3 Increased Clearance Depth at Forward Approach. Where a forward approach is provided, the clearance shall be 66 inches (1675 mm) minimum in depth, measured perpendicular from the rear wall.

1004.11.3.1.2.2.4 Clearance Overlap. A vanity or other obstruction 24 inches (610 mm) maximum in depth, measured perpendicular from the rear wall, shall be permitted to overlap the required clearance, provided the width of the remaining clearance at the water closet is 33 inches (840 mm) minimum.

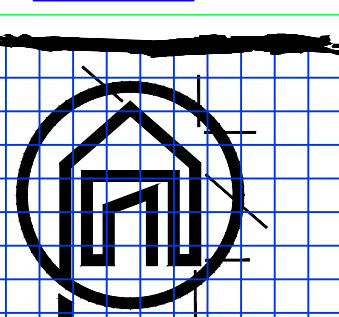
1004.11.3.1.3 Bathing Fixtures. Where provided, a bathtub shall comply with Section 1004.11.3.1.3.1 or 1004.11.3.1.3.2 and a shower compartment shall comply with Section 1004.11.3.1.3.3.

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I, Christopher L. Peterson, hereby certify that this plan, specification, and/or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

date: Sep 23, 2025 Reg. #40507



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FINAL
APPROVED FOR
CONSTRUCTION

4TH LANE FLATS
1401 4TH AVE LANE NE (504 16TH ST NE)
LOT 9 BLOCK 1 THOMPSON ADDITION
KASSON
MINNESOTA
KEY BUILDERS

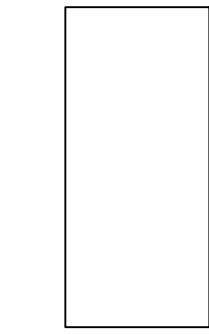
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DRAWN BY: AJT / BMD
CHECKED BY: BS / CP
FINAL SET DATE: MAY 09, 2025
FOUNDATION UPDATE: JULY 21, 2025
RFI#: AUGUST 6, 2025
REVISION: SEPTEMBER 4, 2025
PERMIT REV: SEPTEMBER 12, 2025
PRINTED: Sep 23, 2025

TITLE SHEET

T1.0

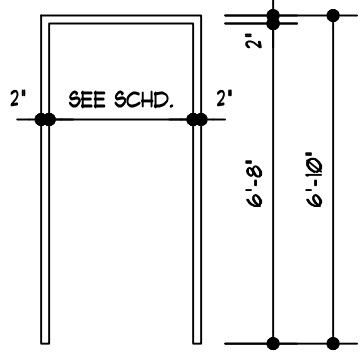
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• TDC PRINTS ARE PREPARED TO BE PLOTTED ONTO 24"x36" SHEETS
• PRINTER TO ACTUAL SIZE AND/OR 100% SCALE IS REQUIRED
• PRINTING 'FIT TO PAGE' WILL CAUSE PRINTS TO BE OUT OF SCALE
• TDC IS NOT RESPONSIBLE FOR PRINTS NOT TO SCALE

DOOR TYPES



(B)
STEEL INSULATED
PAINTED

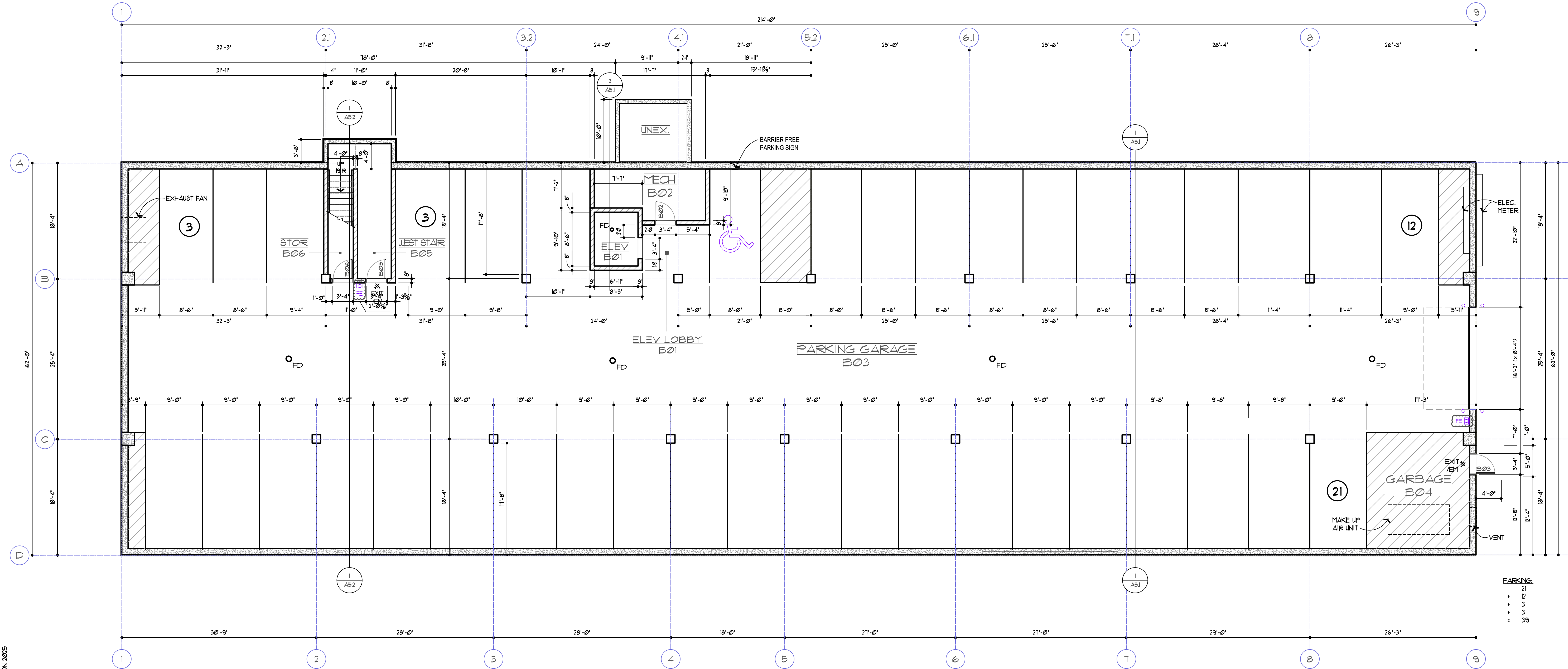
FRAME TYPES



(3)
TIMELY
MFGR FACTORY FINISH

DOOR SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR FINISH	FRAME TYPE	RATG.	REMARKS
B02	3'-0"x6'-8"x1-3/4"	(B)	PAINTED	(3)		CLOSER/LEVER LOCKSET/GASKETS
B03	3'-0"x6'-8"x1-3/4"	(B)	PAINTED	(3)		CLOSER/LEVER LOCKSET/KEYPAD/WEATHERSTRIP/THRESHOLD
B05	3'-0"x6'-8"x1-3/4"	(B)	PAINTED	(3)	B0M	CLOSER/LEVER LATCHSET/GASKETS
B06	3'-0"x6'-8"x1-3/4"	(B)	PAINTED	(3)	B0M	CLOSER/LEVER LOCKSET/GASKETS



PARKING LEVEL
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

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I, Christopher L. Peterson, hereby certify that this plan, specification, and/or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

date: Sep 23, 2025 Reg. #40507

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FINAL
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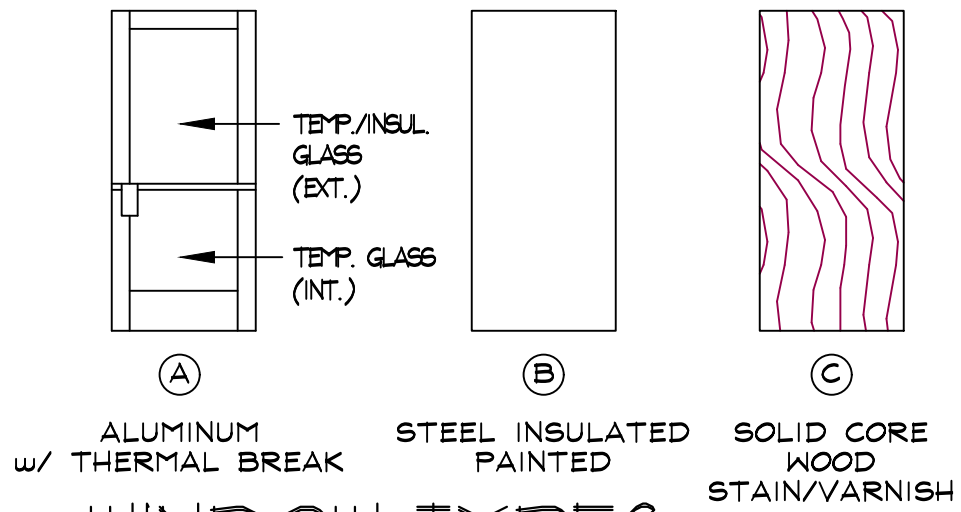
4TH LANE FLATS
1401 4TH AVE LANE NE (504 16TH ST NE)
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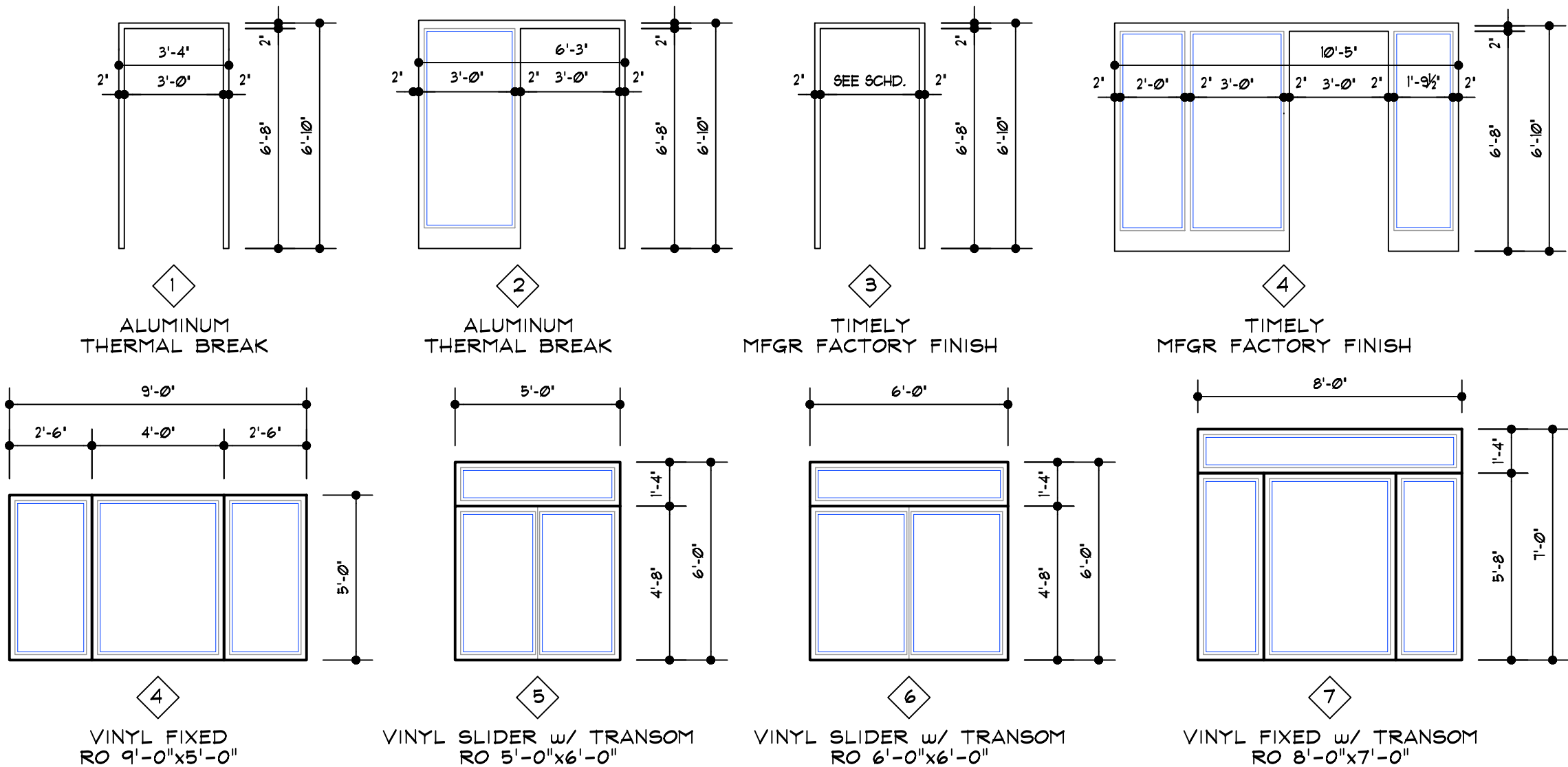
PARKING LEVEL
FLOOR PLAN

A1.1

DOOR TYPES



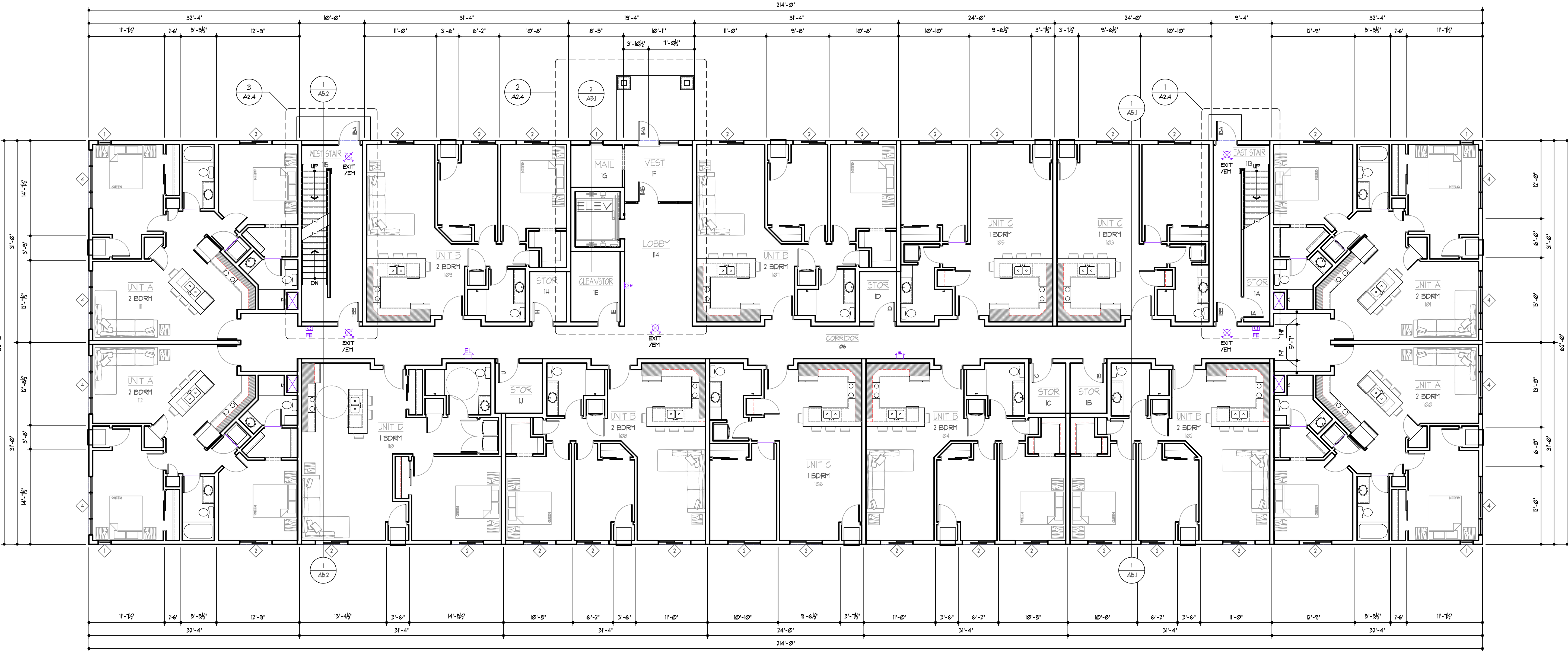
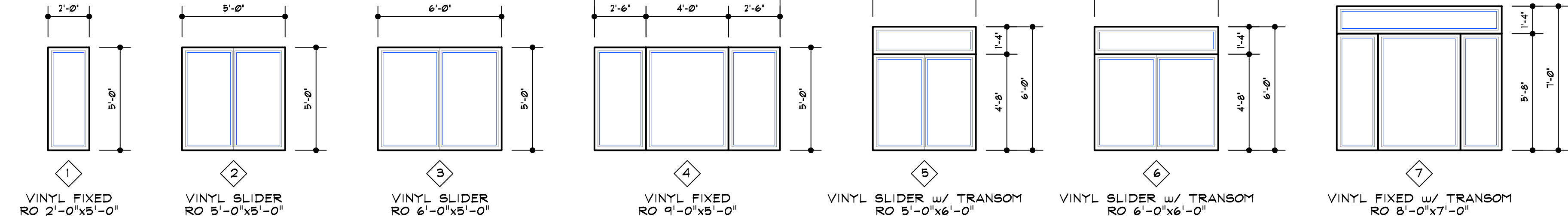
FRAME TYPES



DOOR SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR FINISH	FRAME TYPE	RAT.G.	REMARKS
1A	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/SPRING HINGES/GASKETS/WALL STOP
1B	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/SPRING HINGES/GASKETS/WALL STOP
1C	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/SPRING HINGES/GASKETS/WALL STOP
1D	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/SPRING HINGES/GASKETS/WALL STOP
1E	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/GASKETS/SPRING HINGES/WALL STOP
1H	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/GASKETS/SPRING HINGES/WALL STOP
1J	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/SPRING HINGES/GASKETS/WALL STOP
113A	3'-0"x6'-8"x1-3/4"	(B)	STAIN/VAR	(1)	60M	CLOSER/LEVER LOCKSET/KEYPAD/WEATHERSTRIP/THRESHOLD
113B	3'-0"x6'-8"x1-3/4"	(B)	STAIN/VAR	(3)	60M	CLOSER/LEVER LATCHSET/GASKETS/WALL STOP
114A	3'-0"x6'-8"x1-3/4"	(A)	FACTORY	(2)		CLOSER/PANIC BAR/PULL/WEATHERSTRIP/THRESHOLD
114B	3'-0"x6'-8"x1-3/4"	(A)	FACTORY	(4)	20M	CLOSER/KEY-CARD READER/GASKETS/LEVER HANDLE
115A	3'-0"x6'-8"x1-3/4"	(B)	STAIN/VAR	(3)	90M	CLOSER/LEVER LOCKSET/KEYPAD/WEATHERSTRIP/THRESHOLD
115B	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	90M	CLOSER/LEVER LATCHSET/GASKETS/WALL STOP

WINDOW TYPES



PRINTING INSTRUCTION :
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• PRINTER TO ACTUAL SIZE AND/OR 100% SCALE IS REQUIRED
• PRINTING "FIT TO PAGE" WILL CAUSE PRINTS TO BE OUT OF SCALE
• TDC IS NOT RESPONSIBLE FOR PRINTS NOT TO SCALE

FIRST LEVEL FLOOR PLAN
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

TRImension DESIGN

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I, Christopher L. Peterson, hereby certify that this plan, specification, and/or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
date: Sep 23, 2025 Reg. #40507

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FINAL APPROVED FOR CONSTRUCTION

4TH LANE FLATS
1401 4TH AVE LANE NE (504 16TH ST NE)
LOT 9 BLOCK 1 THOMPSON ADDITION
KASSON MINNESOTA
KEY BUILDERS

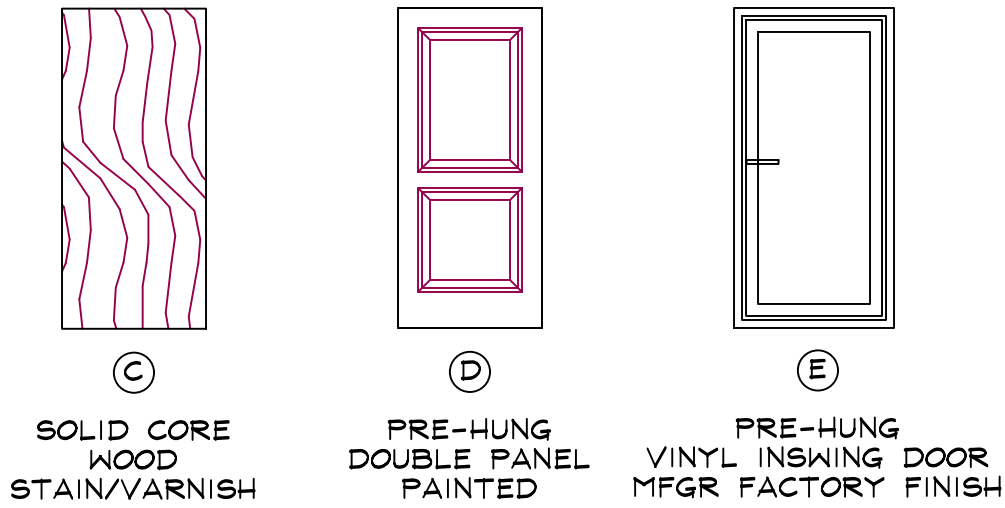
PROJECT #: 20150
DRAWN BY: AJT / BMD
CHECKED BY: BS / CP
FINAL SET DATE: MAY 09, 2025
FOUNDATION UPDATE: JULY 21, 2025
RFI #: AUGUST 6, 2025
REVISION: SEPTEMBER 4, 2025
PERMIT REV: SEPTEMBER 12, 2025
PRINTED: Sep 23, 2025

FIRST LEVEL FLOOR PLAN

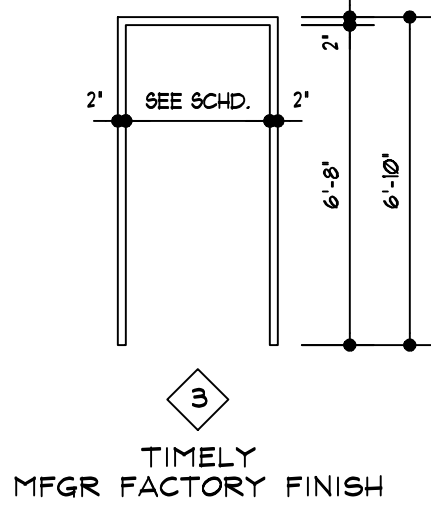
A2.1

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UNIT DOOR TYPES



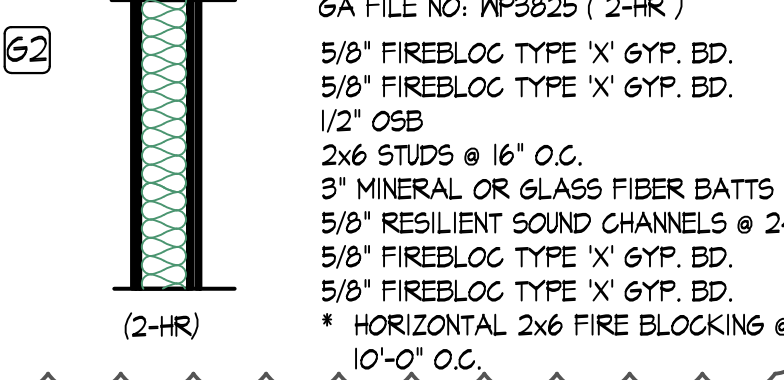
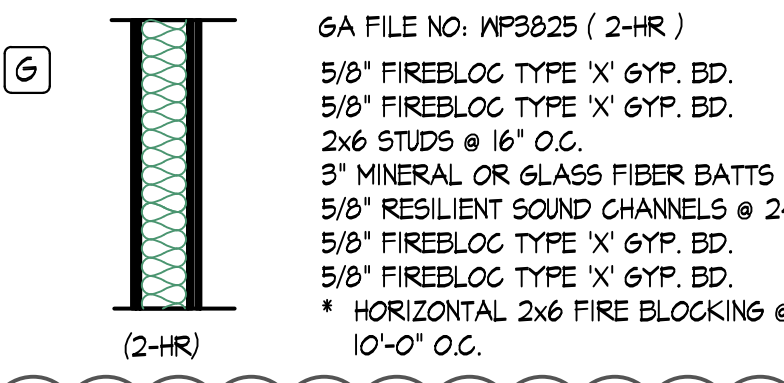
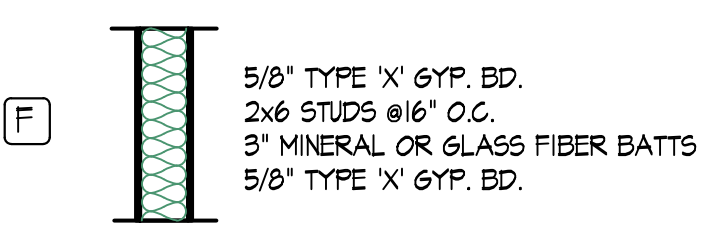
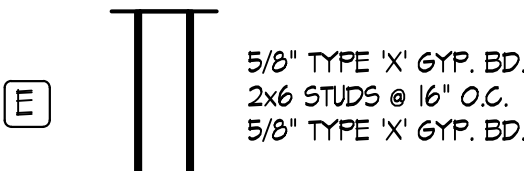
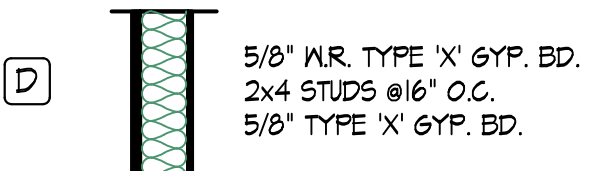
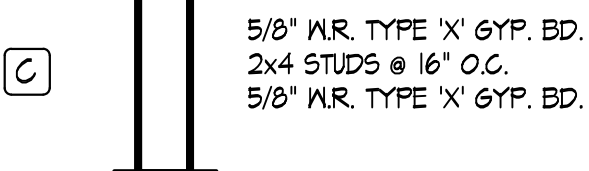
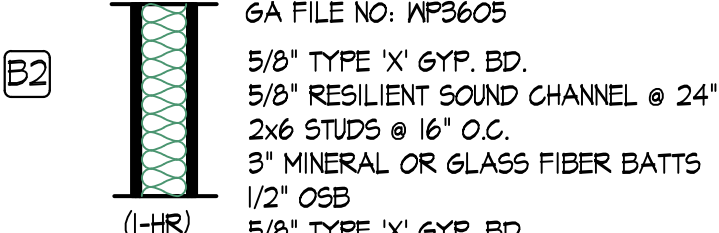
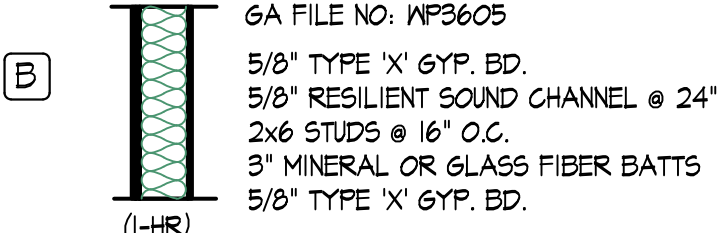
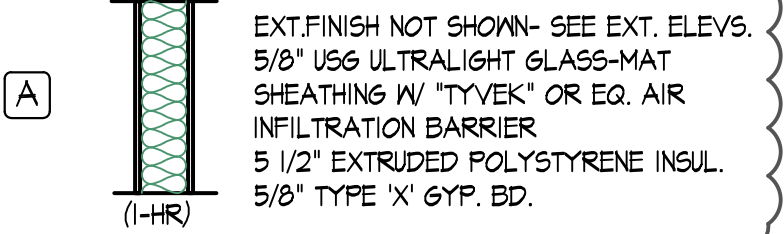
FRAME TYPES



UNIT DOOR SCHEDULE

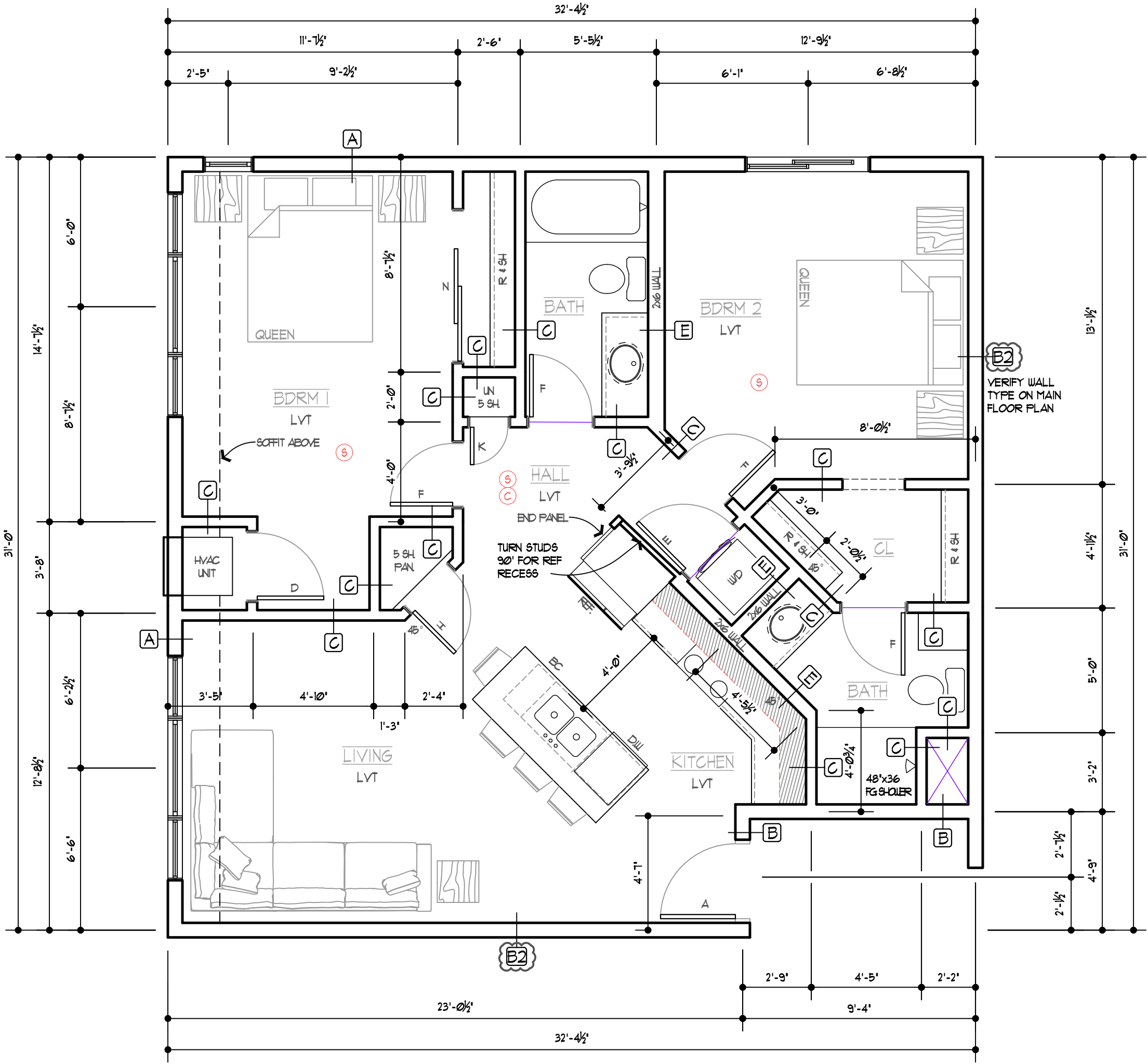
DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR FINISH	FRAME TYPE	RAT'G.	REMARKS
A	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20MIN	SPRING HINGES/ LEVER LOCKSET/ DEADBOLT/THRESHOLD/GASKETS/DOOR STOP
B	3'-0"x6'-8"x1-3/4"	(D)	PAINTED			PRIVACY LEVER LOCKSET
C	3'-0"x6'-8"x1-3/4"	(E)	FACTORY			DEADBOLT
D	2'-8"x6'-8"x1-3/4"	(D)	PAINTED			DEADBOLT
E	2'-8"x6'-8"x1-3/4"	(D)	PAINTED			LEVER LATCHSET
F	2'-6"x6'-8"x1-3/4"	(D)	PAINTED			PRIVACY LEVER LOCKSET
G	2'-6"x6'-8"x1-3/4"	(D)	PAINTED			PAIR
H	2'-4"x6'-8"x1-3/4"	(D)	PAINTED			LEVER LATCHSET
J	2'-0"x6'-8"x1-3/4"	(D)	PAINTED			LEVER LATCHSET
K	1'-6"x6'-8"x1-3/4"	(D)	PAINTED			LEVER LATCHSET
L	4'-0"x6'-8"x1-3/4"	(D)	PAINTED			SLIDER
M	5'-0"x6'-8"x1-3/4"	(D)	PAINTED			SLIDER
N	6'-0"x6'-8"x1-3/4"	(D)	PAINTED			SLIDER

WALL TYPES:

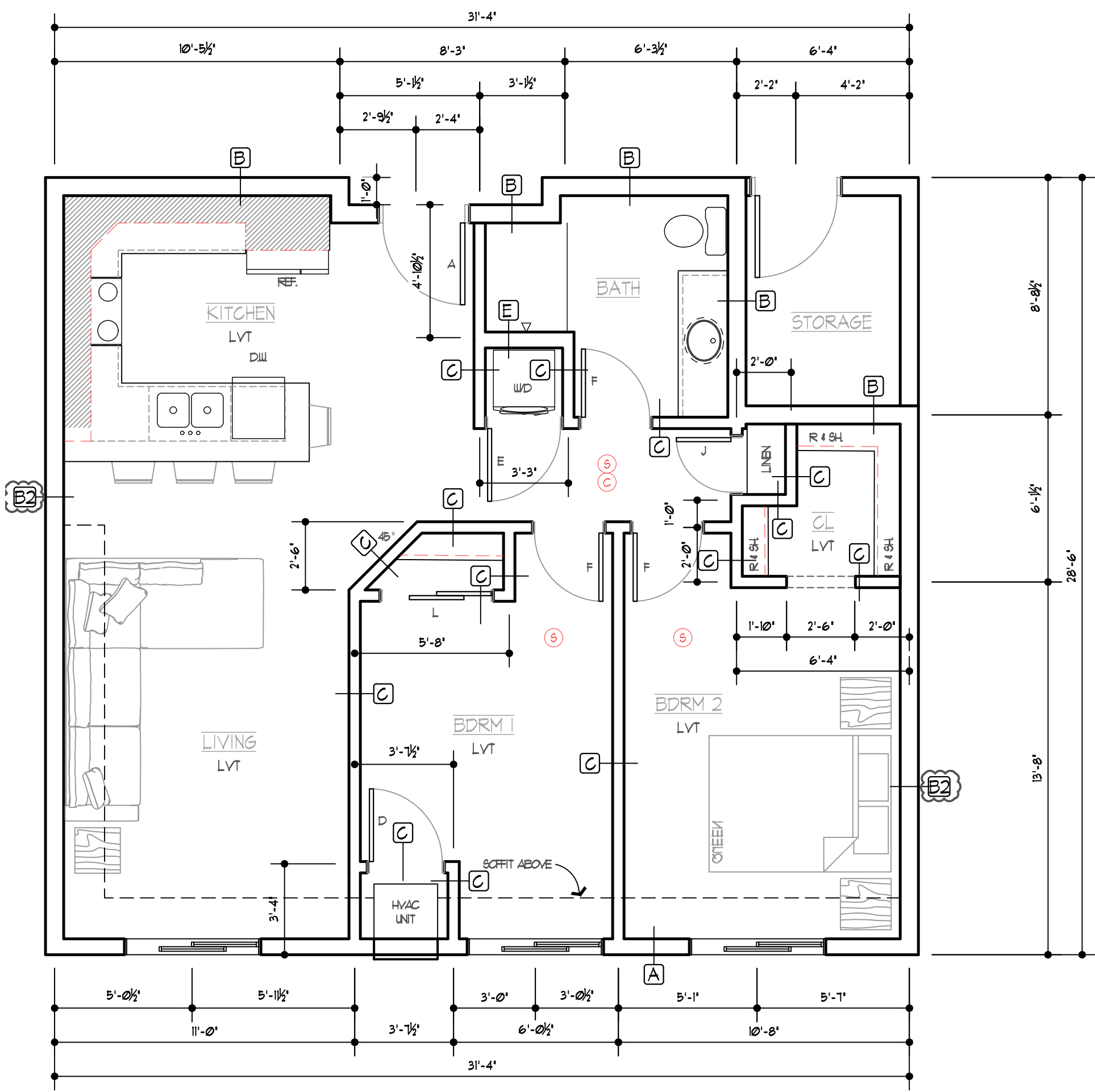


GENERAL UNIT PLAN NOTES:

- PRE-FAB. PANEL CO. TO PROVIDE ALL REQUIRED BLOCKING FOR FUTURE GRAB BAR INSTALLATION @ TOILET & SHOWERS.
- MAXIMUM THRESHOLD HEIGHT OF 1/2" REQUIRED AT ENTRY DOORS, UNIT ENTRY DOORS, & PATIO DOORS.
- FRAME ALL DEMISING WALLS BETWEEN UNITS + 24" TO UNDERSIDE OF FLOOR SHEATHING ABOVE.
- AT WALL TYPE B @ CORRIDOR, PLACE RESILIENT CHANNEL TO CORRIDOR SIDE.
- SHAFT ENCLOSURE TO BE 5/8" TYPE 'X' GYP. BD. ONE SIDE & THE LID - FILL ENTIRE AREA SOLID W/ FIBERGLASS INSULATION (U.N.O.)
- WALL TYPE G2 AT STAIR PARTY WALLS



2 2 BED / 2 BATH CORNER UNIT A
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

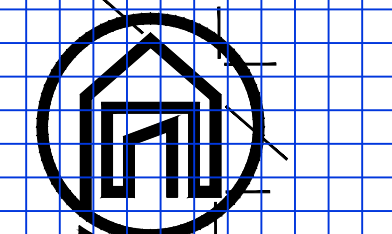


1 2 BED / 1 BATH UNIT B
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

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1401 4TH AVE LANE NE (504 16TH ST NE)
LOT 9 BLOCK 1 THOMPSON ADDITION
KASSON MINNESOTA
KEY BUILDERS

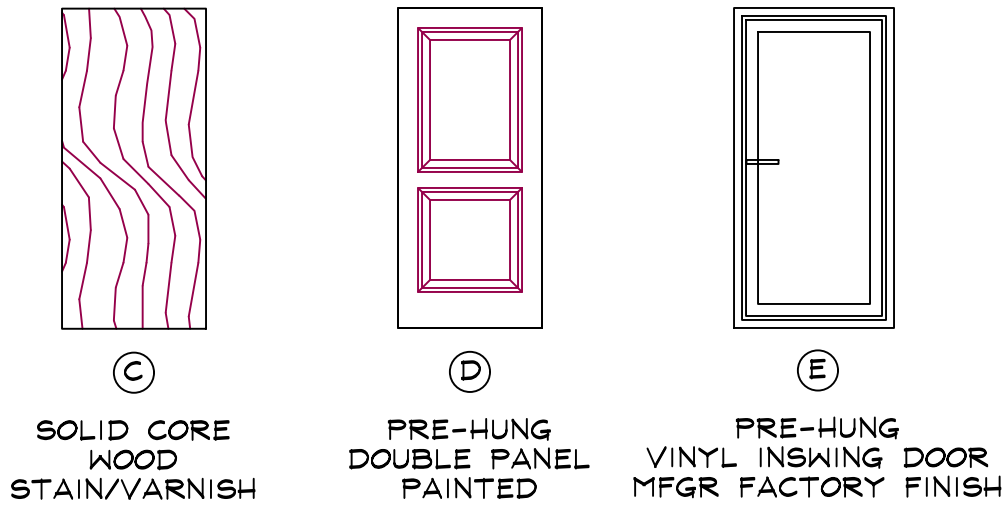
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FIRST LEVEL
UNIT PLANS

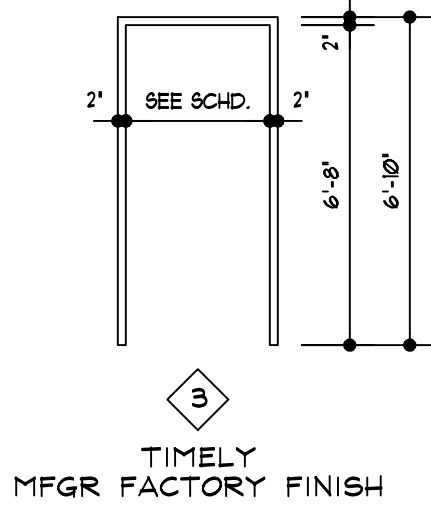
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UNIT DOOR TYPES

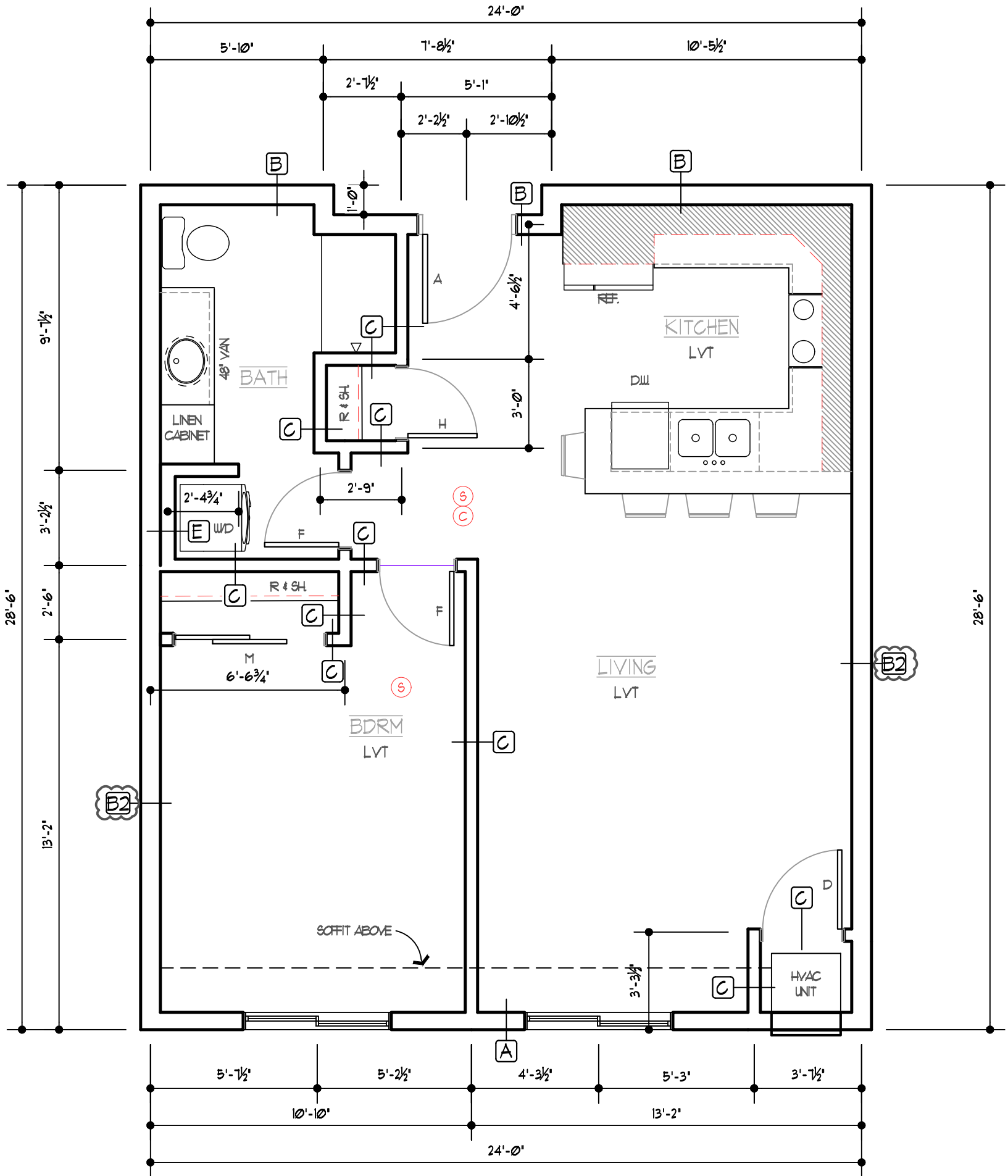


FRAME TYPES

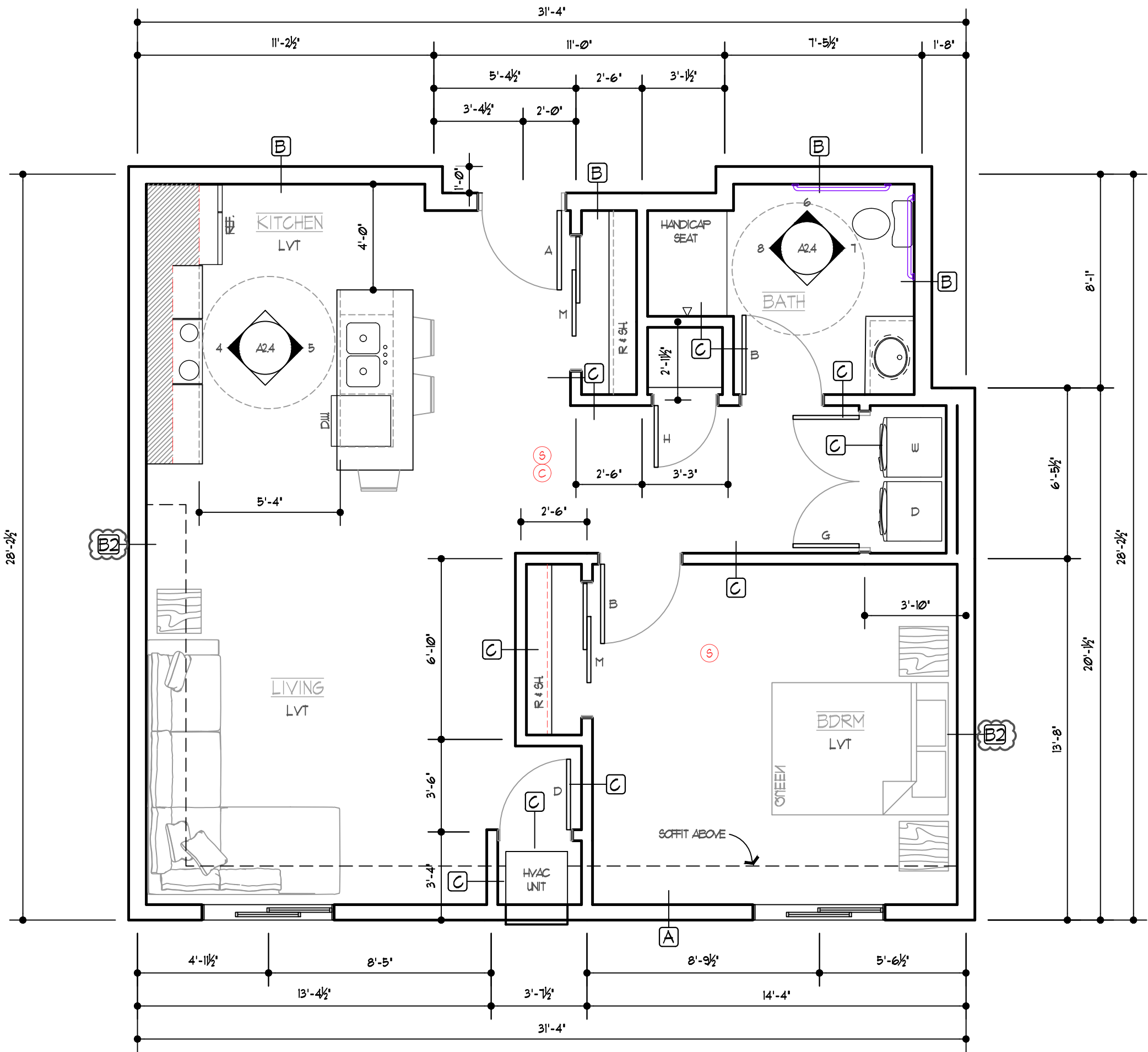


UNIT DOOR SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR FINISH	FRAME TYPE	RAT'G.	REMARKS
A	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20MIN	SPRING HINGES/ LEVER LOCKSET/ DEADBOLT/THRESHOLD/GASKETS/DOOR STOP
B	3'-0"x6'-8"x1-3/4"	(D)	PAINTED			PRIVACY LEVER LOCKSET
C	3'-0"x6'-8"x1-3/4"	(E)	FACTORY			DEADBOLT
D	2'-8"x6'-8"x1-3/4"	(D)	PAINTED			DEADBOLT
E	2'-8"x6'-8"x1-3/4"	(D)	PAINTED			LEVER LATCHSET
F	2'-6"x6'-8"x1-3/4"	(D)	PAINTED			PRIVACY LEVER LOCKSET
G	2'-6"x6'-8"x1-3/4"	(D)	PAINTED			PAIR
H	2'-4"x6'-8"x1-3/4"	(D)	PAINTED			LEVER LATCHSET
J	2'-0"x6'-8"x1-3/4"	(D)	PAINTED			LEVER LATCHSET
K	1'-6"x6'-8"x1-3/4"	(D)	PAINTED			LEVER LATCHSET
L	4'-0"x6'-8"x1-3/4"	(D)	PAINTED			SLIDER
M	5'-0"x6'-8"x1-3/4"	(D)	PAINTED			SLIDER
N	6'-0"x6'-8"x1-3/4"	(D)	PAINTED			SLIDER

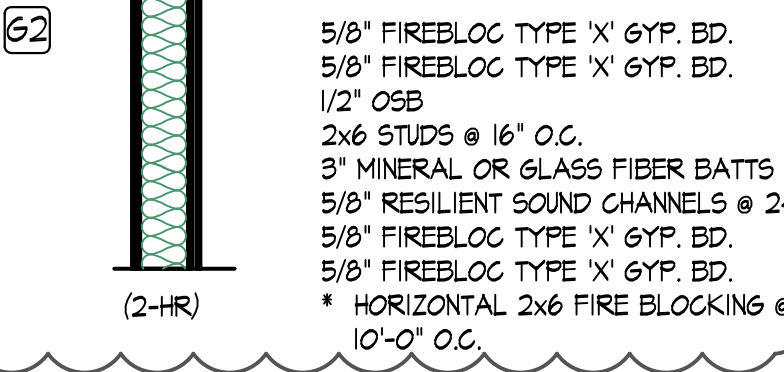
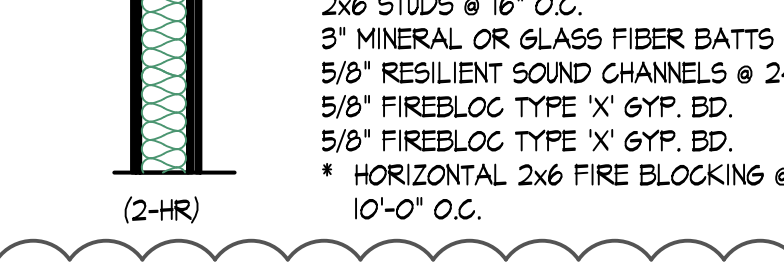
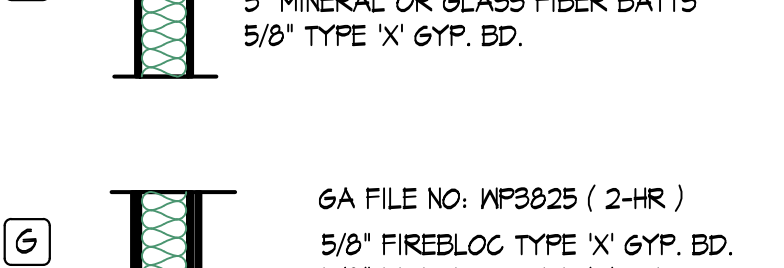
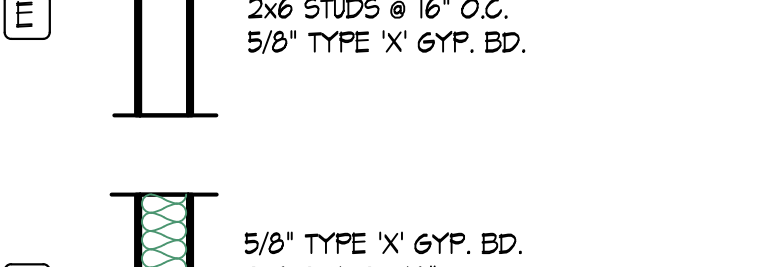
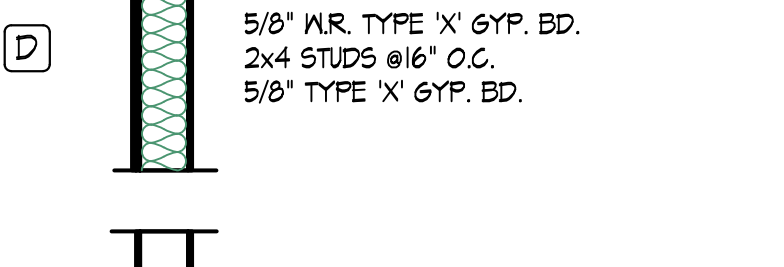
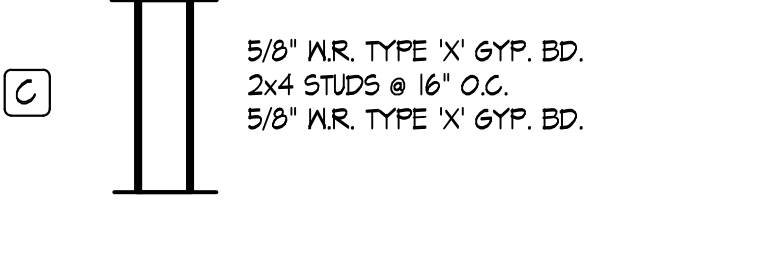
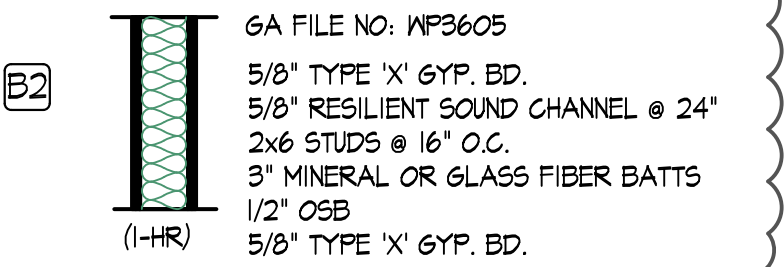
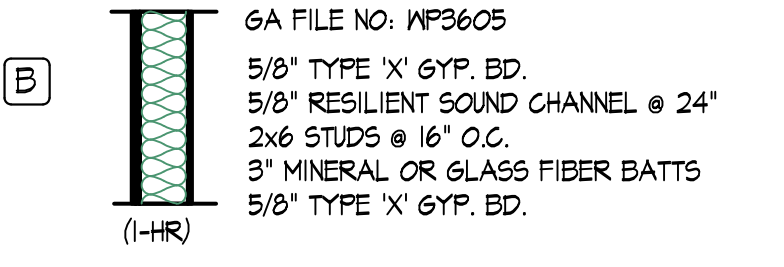
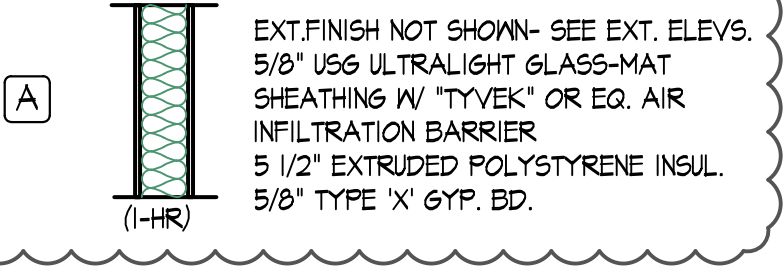


2 1 BED / 1 BATH UNIT C
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



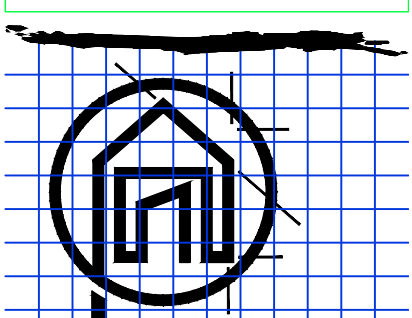
1 1 BED / 1 BATH UNIT D - ADA ACCESSIBLE
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

WALL TYPES:



GENERAL UNIT PLAN NOTES:

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- AT WALL TYPE B @ CORRIDOR, PLACE RESILIENT CHANNEL TO CORRIDOR SIDE.
- SHAFT ENCLOSURE TO BE 5/8" TYPE 'X' GYP. BD. ONE SIDE & THE LID - FILL ENTIRE AREA SOLID W/ FIBERGLASS INSULATION (U.N.O.)
- WALL TYPE G2 AT STAIR PARTY WALLS



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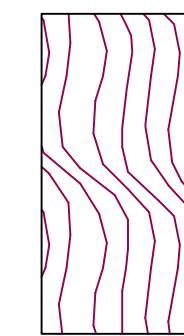
4TH LANE FLATS
1401 4TH AVE LANE NE (504 16TH ST NE)
LOT 9 BLOCK 1 THOMPSON ADDITION
KASSON MINNESOTA
KEY BUILDERS

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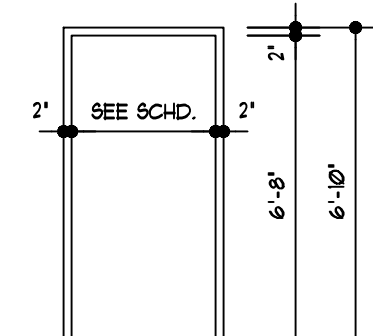
SECOND LEVEL
FLOOR PLAN

A3.1

DOOR TYPES FRAME TYPES

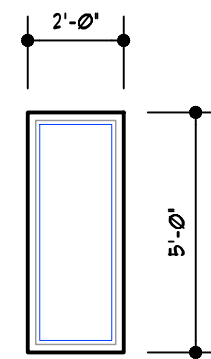


©
SOLID CORE
WOOD
STAIN/VARNISH

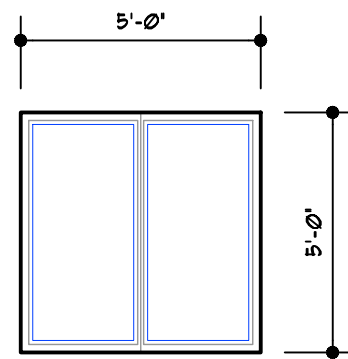


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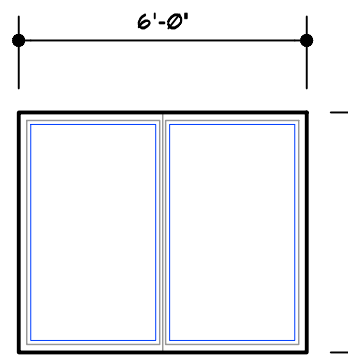
WINDOW TYPES



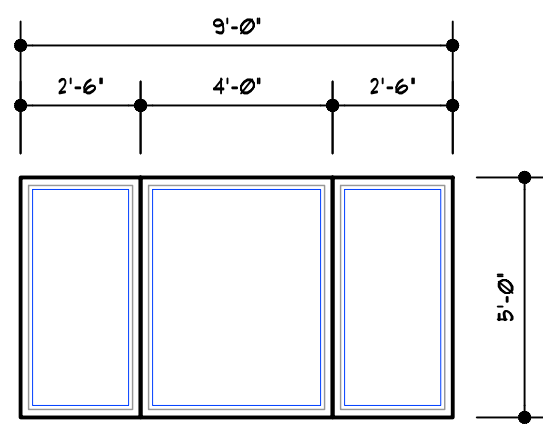
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VINYL FIXED
RO 2'-0"x5'-0"



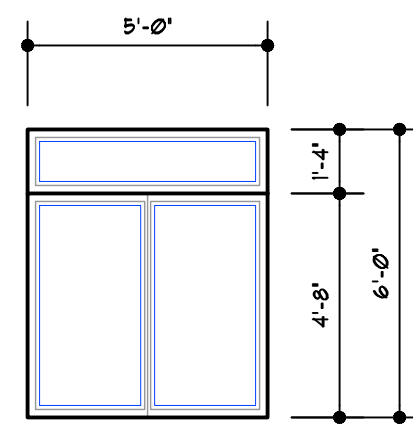
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VINYL SLIDER
RO 5'-0"x5'-0"



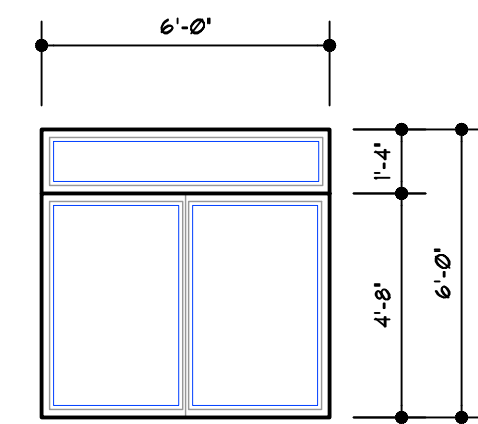
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VINYL SLIDER
RO 6'-0"x5'-0"



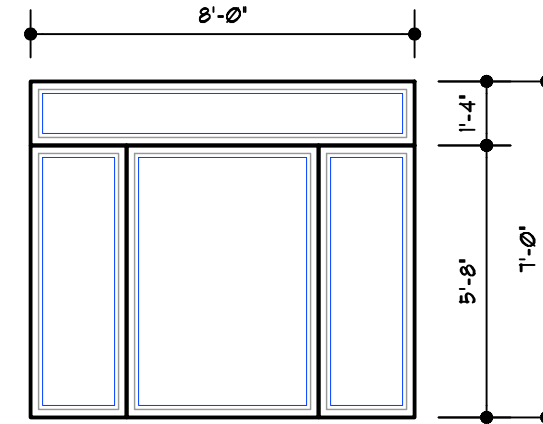
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VINYL FIXED
RO 9'-0"x5'-0"



5
VINYL SLIDER w/ TRANSOM
RO 5'-0"x6'-0"



6
VINYL SLIDER w/ TRANSOM
RO 6'-0"x6'-0"



7
VINYL FIXED w/ TRANSOM
RO 8'-0"x7'-0"

DOOR SCHEDULE

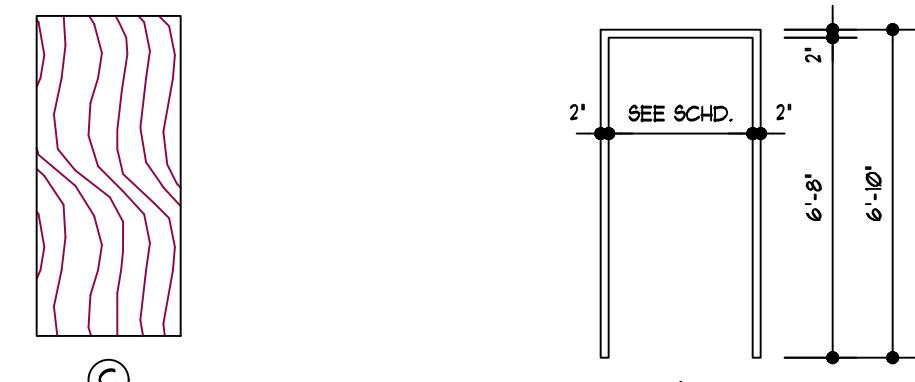
DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR FINISH	FRAME TYPE	RATG.	REMARKS
2B	3'-0"x6'-8"x1-3/4"	©	STAIN/VAR	3	20M	LEVER LOCKSET/SPRING HINGES/WALL STOP
2C	3'-0"x6'-8"x1-3/4"	©	STAIN/VAR	3	20M	LEVER LOCKSET/SPRING HINGES/WALL STOP
2D	3'-0"x6'-8"x1-3/4"	©	STAIN/VAR	3	20M	LEVER LOCKSET/SPRING HINGES/GASKETS/WALL STOP
2E	3'-0"x6'-8"x1-3/4"	©	STAIN/VAR	3	20M	CLOSER/LEVER LOCKSET/WALL STOP/GASKET
2H	3'-0"x6'-8"x1-3/4"	©	STAIN/VAR	3	20M	LEVER LOCKSET/SPRING HINGES/WALL STOP/GASKET
2J	3'-0"x6'-8"x1-3/4"	©	STAIN/VAR	3	20M	LEVER LOCKSET/SPRING HINGES/WALL STOP
2K	3'-0"x6'-8"x1-3/4"	©	STAIN/VAR	3	20M	LEVER LOCKSET/SPRING HINGES/WALL STOP
2L	3'-0"x6'-8"x1-3/4"	©	STAIN/VAR	3	60M	CLOSER/LEVER LATCHSET/GASKETS/WALL STOP
2M	3'-0"x6'-8"x1-3/4"	©	STAIN/VAR	3	20M	LEVER LOCKSET/GASKETS
2N	3'-0"x6'-8"x1-3/4"	©	STAIN/VAR	3	90M	CLOSER/LEVER LATCHSET/GASKETS/WALL STOP



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SECOND FLOOR PLAN
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

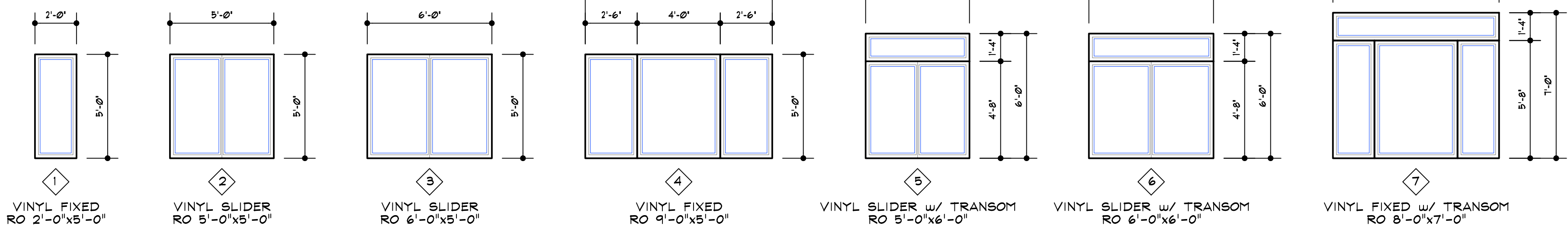
DOOR TYPES FRAME TYPES



DOOR SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR FINISH	FRAME TYPE	RATG.	REMARKS
3B	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/GASKETS/SPRING HINGES/WALL STOP
3C	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/GASKETS/SPRING HINGES/WALL STOP
3D	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/GASKETS/SPRING HINGES/WALL STOP
3E	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	CLOSER/LEVER LOCKSET/GASKETS/WALL STOP
3H	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/GASKETS/SPRING HINGES/WALL STOP
3J	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/GASKETS/SPRING HINGES/WALL STOP
3K	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/GASKETS/SPRING HINGES/WALL STOP
3KA	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	60M	CLOSER/LEVER LATCHSET/GASKETS/WALL STOP
3KB	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	CLOSER/LEVER LATCHSET/GASKETS/WALL STOP
3LA	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	LEVER LOCKSET/GASKETS/WALL STOP
3LB	3'-0"x6'-8"x1-3/4"	(C)	STAIN/VAR	(3)	20M	CLOSER/LEVER LATCHSET/GASKETS/WALL STOP

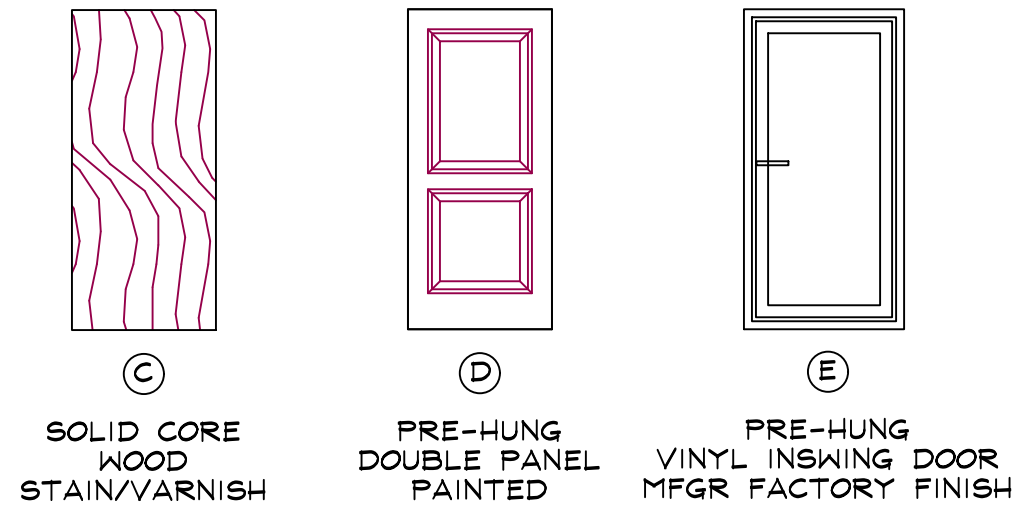
WINDOW TYPES



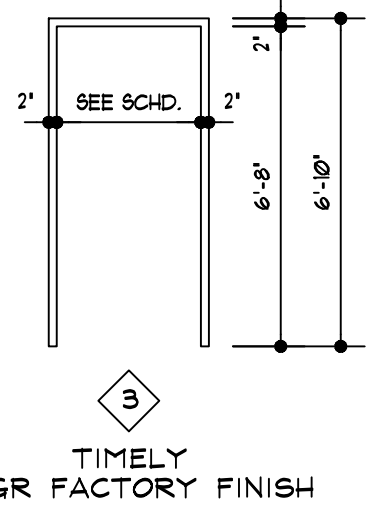
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THIRD FLOOR PLAN
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

UNIT DOOR TYPES



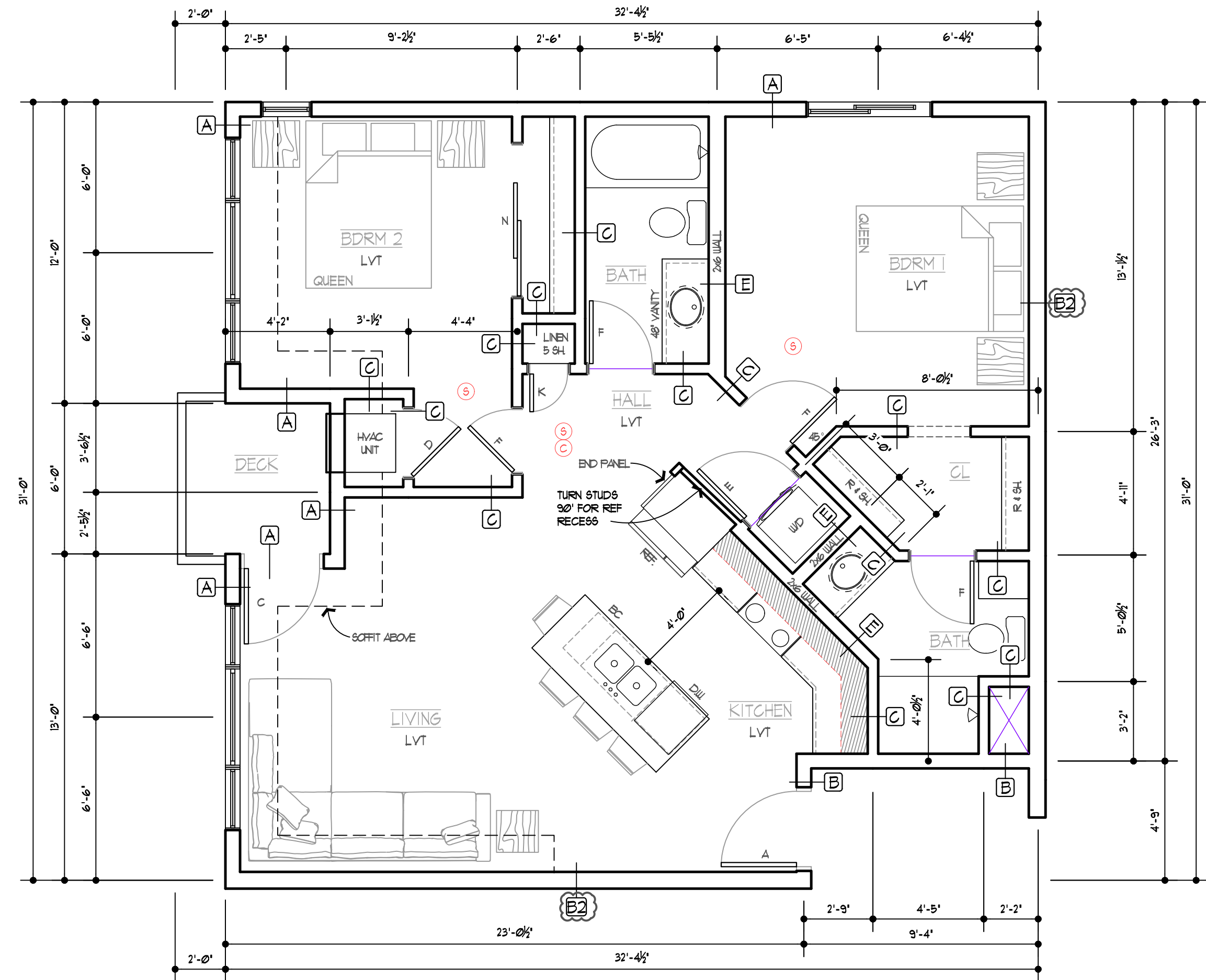
FRAME TYPES



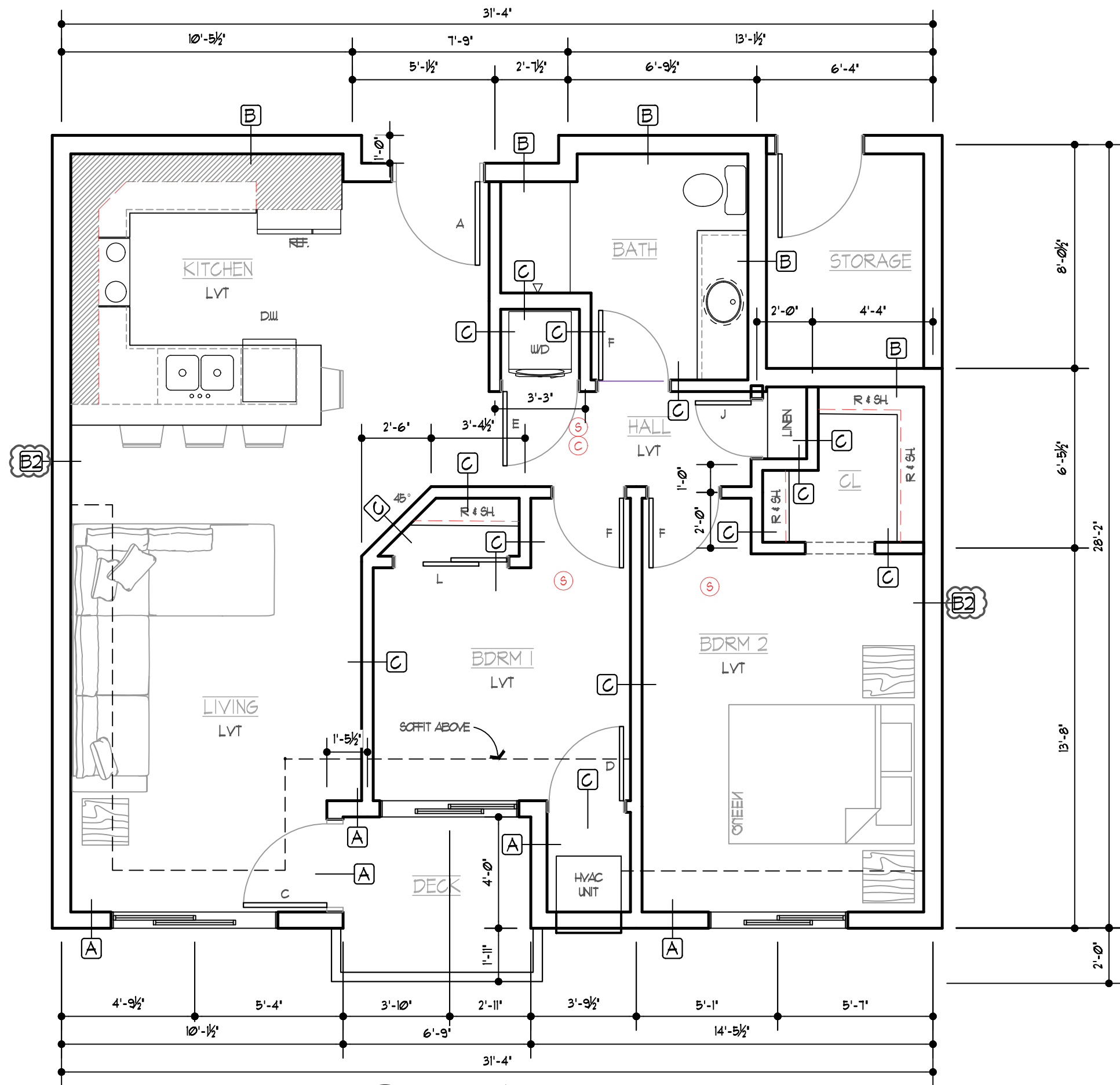
UNIT DOOR SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR FINISH	FRAME TYPE	RATG.	REMARKS
A	3'-0"x6'-8"x1-3/4"	C	STAIN/VAR	3	20MIN	SPRING HINGES/ LEVER LOCKSET/ DEADBOLT/THRESHOLD/GASKETS/DOOR STOP
B	3'-0"x6'-8"x1-3/4"	D	PAINTED			PRIVACY LEVER LOCKSET
C	3'-0"x6'-8"x1-3/4"	E	FACTORY			DEADBOLT
D	2'-8"x6'-8"x1-3/4"	D	PAINTED			DEADBOLT
E	2'-8"x6'-8"x1-3/4"	D	PAINTED			LEVER LATCHSET
F	2'-6"x6'-8"x1-3/4"	D	PAINTED			PRIVACY LEVER LOCKSET
G	2'-6"x6'-8"x1-3/4"	D	PAINTED			PAIR
H	2'-4"x6'-8"x1-3/4"	D	PAINTED			LEVER LATCHSET
J	2'-0"x6'-8"x1-3/4"	D	PAINTED			LEVER LATCHSET
K	1'-6"x6'-8"x1-3/4"	D	PAINTED			LEVER LATCHSET
L	4'-0"x6'-8"x1-3/4"	D	PAINTED			SLIDER
M	5'-0"x6'-8"x1-3/4"	D	PAINTED			SLIDER
N	6'-0"x6'-8"x1-3/4"	D	PAINTED			SLIDER

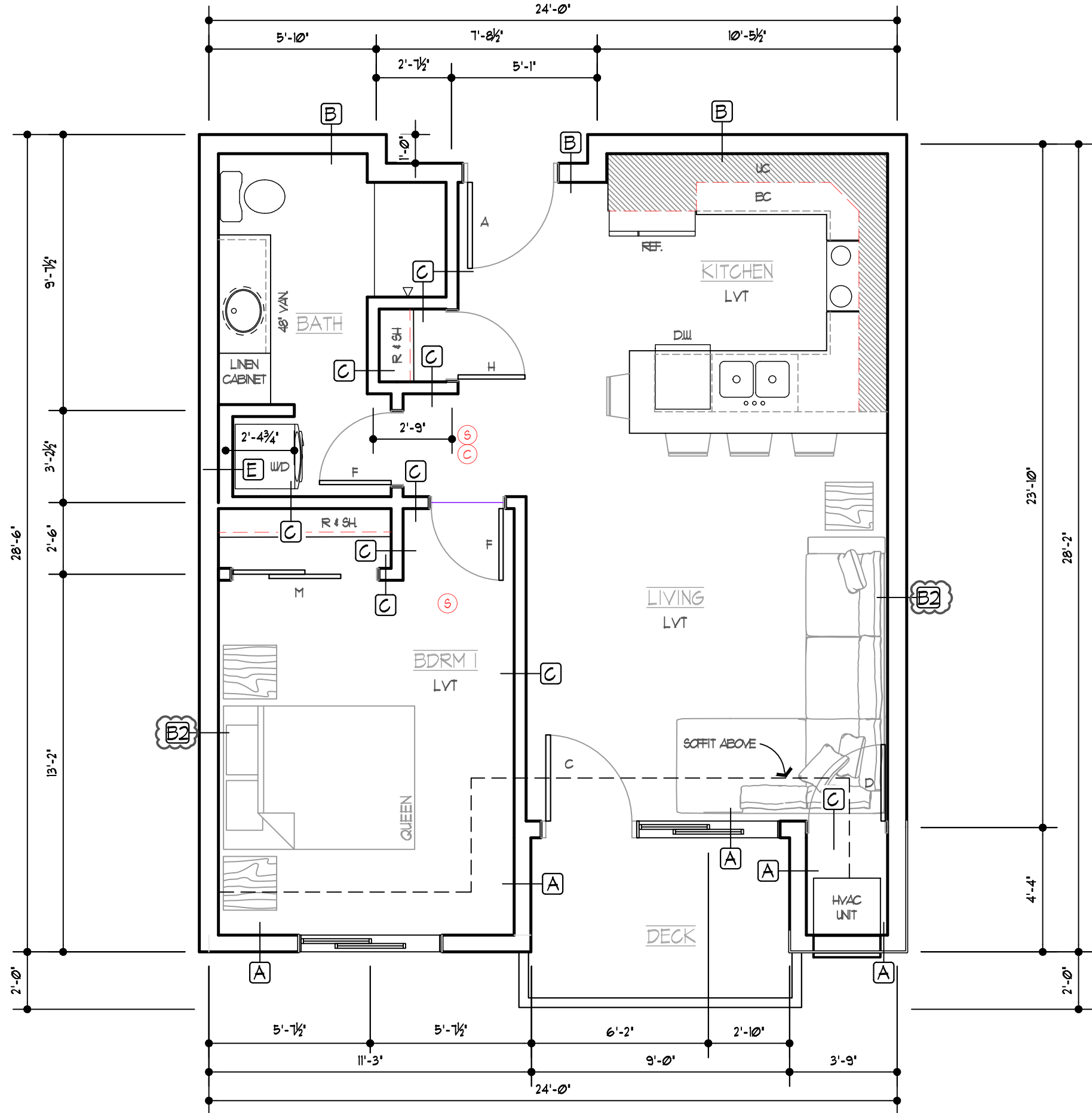
NOTE: NOT ALL DOOR TYPES ARE IN EACH UNIT PLAN. REFER TO EACH UNIT DOOR TYPE FOR SPECIFIC REQUIREMENTS IN THIS SCHEDULE.



2 2 BED / 2 BATH CORNER UNIT E
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



3 2 BED / 1 BATH UNIT F
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



1 1 BED / 1 BATH UNIT G
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

WALL TYPES:

- A EXT.FINISH NOT SHOWN- SEE EXT. ELEV.5.
5/8" USG ULTRALIGHT GLASS-MAT SHEATHING W/ "TYVEK" OR EQ. AIR INFILTRATION BARRIER
5 1/2" EXTRUDED POLYSTYRENE INSUL.
5/8" TYPE 'X' GYP. BD.
- B 6A FILE NO: WP3605
5/8" TYPE 'X' GYP. BD.
5/8" RESILIENT SOUND CHANNEL @ 24" 2x6 STUDS @ 16" O.C.
3" MINERAL OR GLASS FIBER BATTS
5/8" TYPE 'X' GYP. BD.
- B2 6A FILE NO: WP3605
5/8" TYPE 'X' GYP. BD.
5/8" RESILIENT SOUND CHANNEL @ 24" 2x6 STUDS @ 16" O.C.
3" MINERAL OR GLASS FIBER BATTS
1/2" OSB
5/8" TYPE 'X' GYP. BD.
- C 5/8" WR. TYPE 'X' GYP. BD.
2x4 STUDS @ 16" O.C.
5/8" WR. TYPE 'X' GYP. BD.
- D 5/8" WR. TYPE 'X' GYP. BD.
2x4 STUDS @ 16" O.C.
5/8" TYPE 'X' GYP. BD.
- E 5/8" TYPE 'X' GYP. BD.
2x6 STUDS @ 16" O.C.
5/8" TYPE 'X' GYP. BD.
- F 5/8" TYPE 'X' GYP. BD.
2x6 STUDS @ 16" O.C.
3" MINERAL OR GLASS FIBER BATTS
5/8" TYPE 'X' GYP. BD.
- G 6A FILE NO: WP3825 (2-HR)
5/8" FIREBLOC TYPE 'X' GYP. BD.
5/8" FIREBLOC TYPE 'X' GYP. BD.
2x6 STUDS @ 16" O.C.
3" MINERAL OR GLASS FIBER BATTS
5/8" RESILIENT SOUND CHANNELS @ 24"
5/8" FIREBLOC TYPE 'X' GYP. BD.
5/8" FIREBLOC TYPE 'X' GYP. BD.
* HORIZONTAL 2x6 FIRE BLOCKING @ 10'-0" O.C.
- G2 6A FILE NO: WP3825 (2-HR)
5/8" FIREBLOC TYPE 'X' GYP. BD.
5/8" FIREBLOC TYPE 'X' GYP. BD.
2x6 STUDS @ 16" O.C.
3" MINERAL OR GLASS FIBER BATTS
5/8" RESILIENT SOUND CHANNELS @ 24"
5/8" FIREBLOC TYPE 'X' GYP. BD.
5/8" FIREBLOC TYPE 'X' GYP. BD.
* HORIZONTAL 2x6 FIRE BLOCKING @ 10'-0" O.C.

GENERAL UNIT PLAN NOTES:

- PRE-FAB. PANEL CO. TO PROVIDE ALL REQUIRED BLOCKING FOR FUTURE GRAB BAR INSTALLATION @ TOILET & SHOWERS.
- MAXIMUM THRESHOLD HEIGHT OF 1/2" REQUIRED AT ENTRY DOORS, UNIT ENTRY DOORS, & PATIO DOORS.
- FRAME ALL DEMISING WALLS BETWEEN UNITS + 24" TO UNDERSIDE OF FLOOR SHEATHING ABOVE.
- AT WALL TYPE B @ CORRIDOR, PLACE RESILIENT CHANNEL TO CORRIDOR SIDE.
- SHAFT ENCLOSURE TO BE 5/8" TYPE 'X' GYP. BD. ONE SIDE & THE LID - FILL ENTIRE AREA SOLID W/ FIBERGLASS INSULATION (U.N.O.)
- WALL TYPE G2 AT STAIR PARTY WALLS

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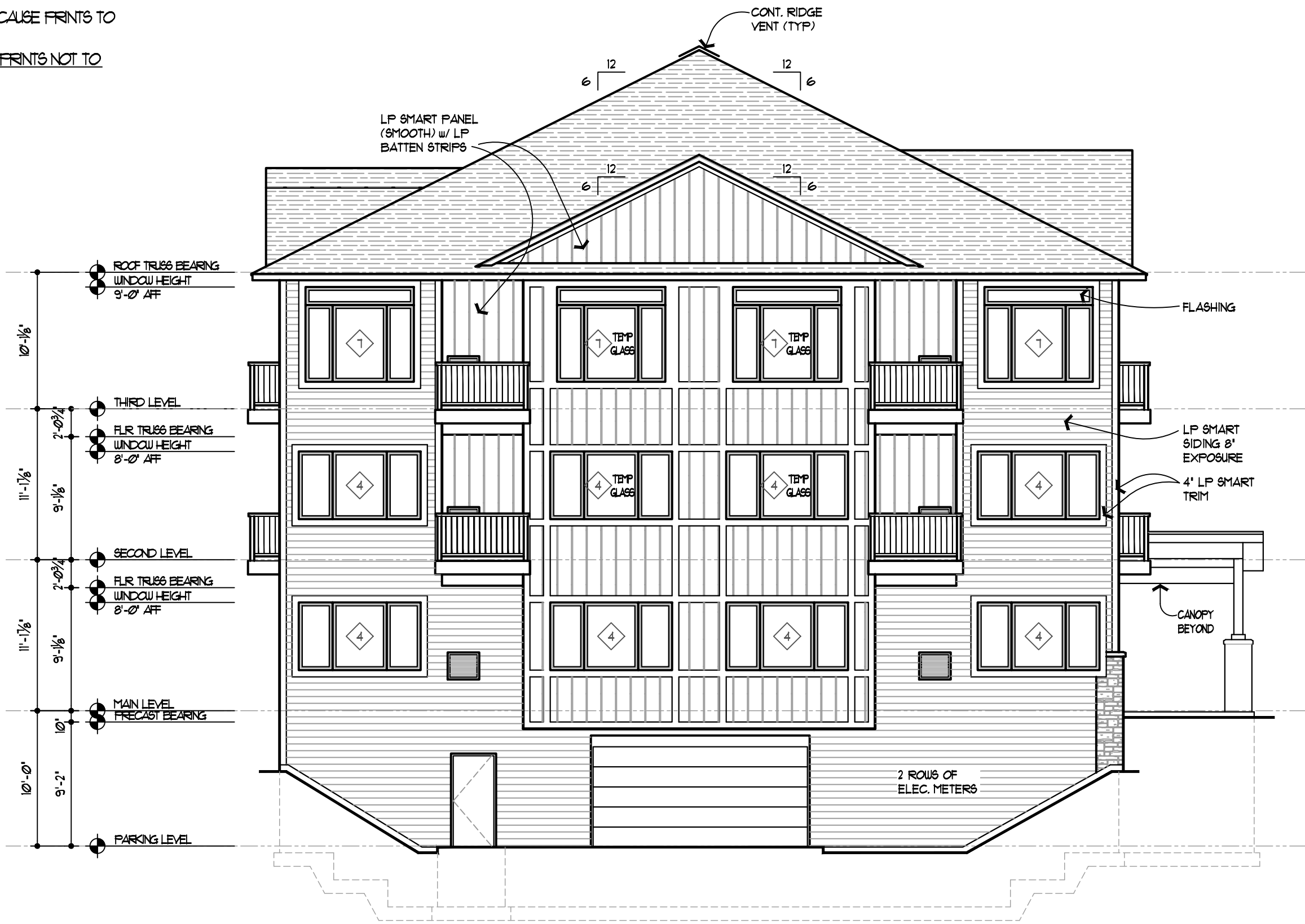
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4TH LANE FLATS
1401 4TH AVE LANE NE (504 16TH ST NE)
LOT 9 BLOCK 1 THOMPSON ADDITION
KASSON MINNESOTA
KEY BUILDERS

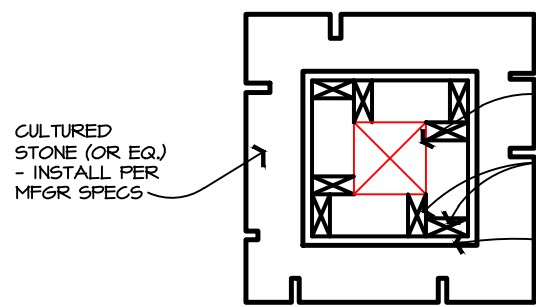
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2ND & 3RD LEVEL UNIT PLANS

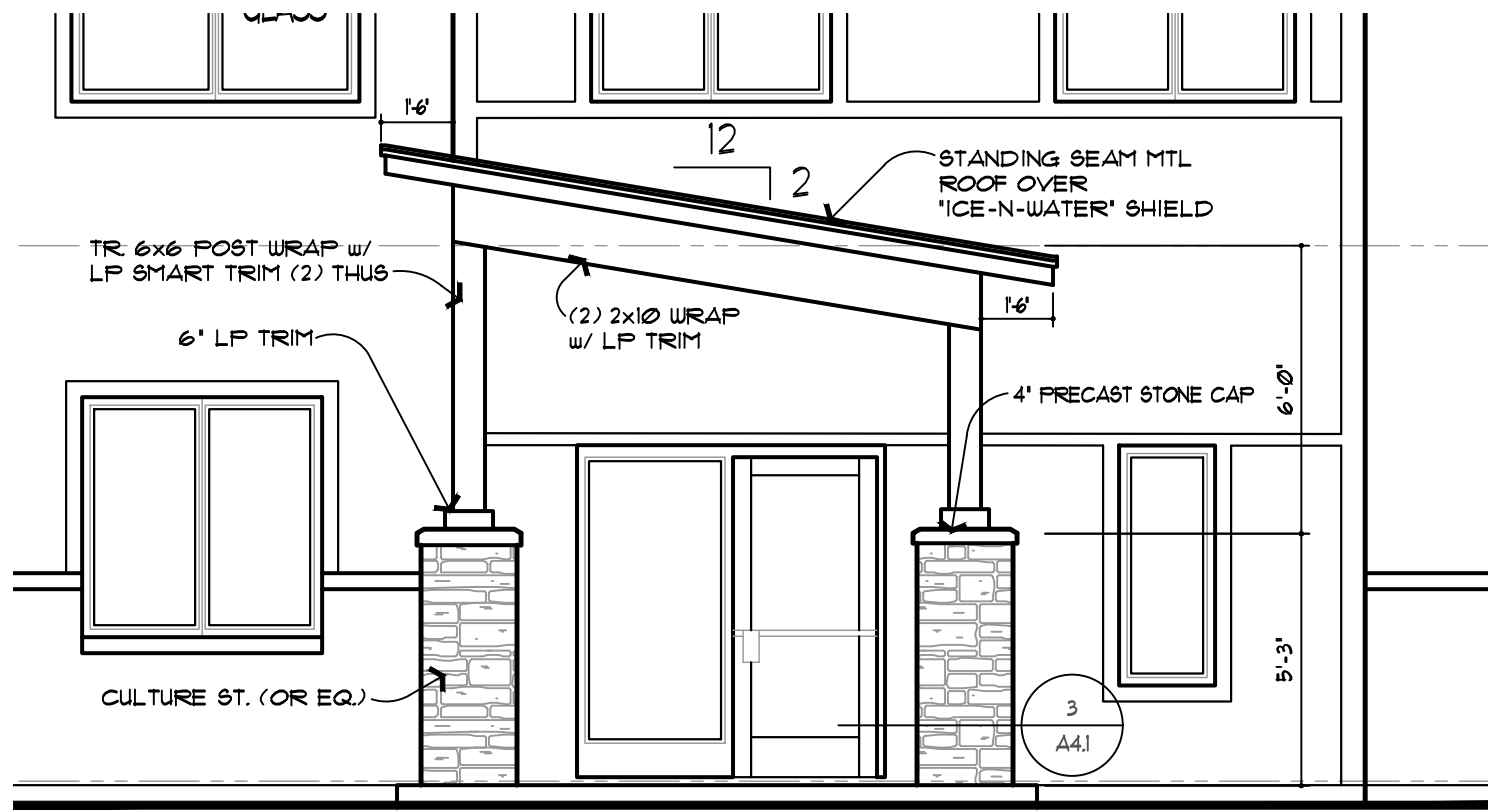
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4 EAST (RIGHT) ELEV
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



3 POST @ ENTRANCE DETAIL
SCALE: 3/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



2 ENTRANCE CANOPY
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

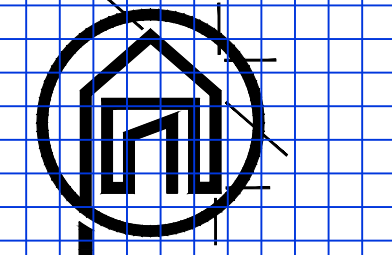


1 NORTH (FRONT) ELEV
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

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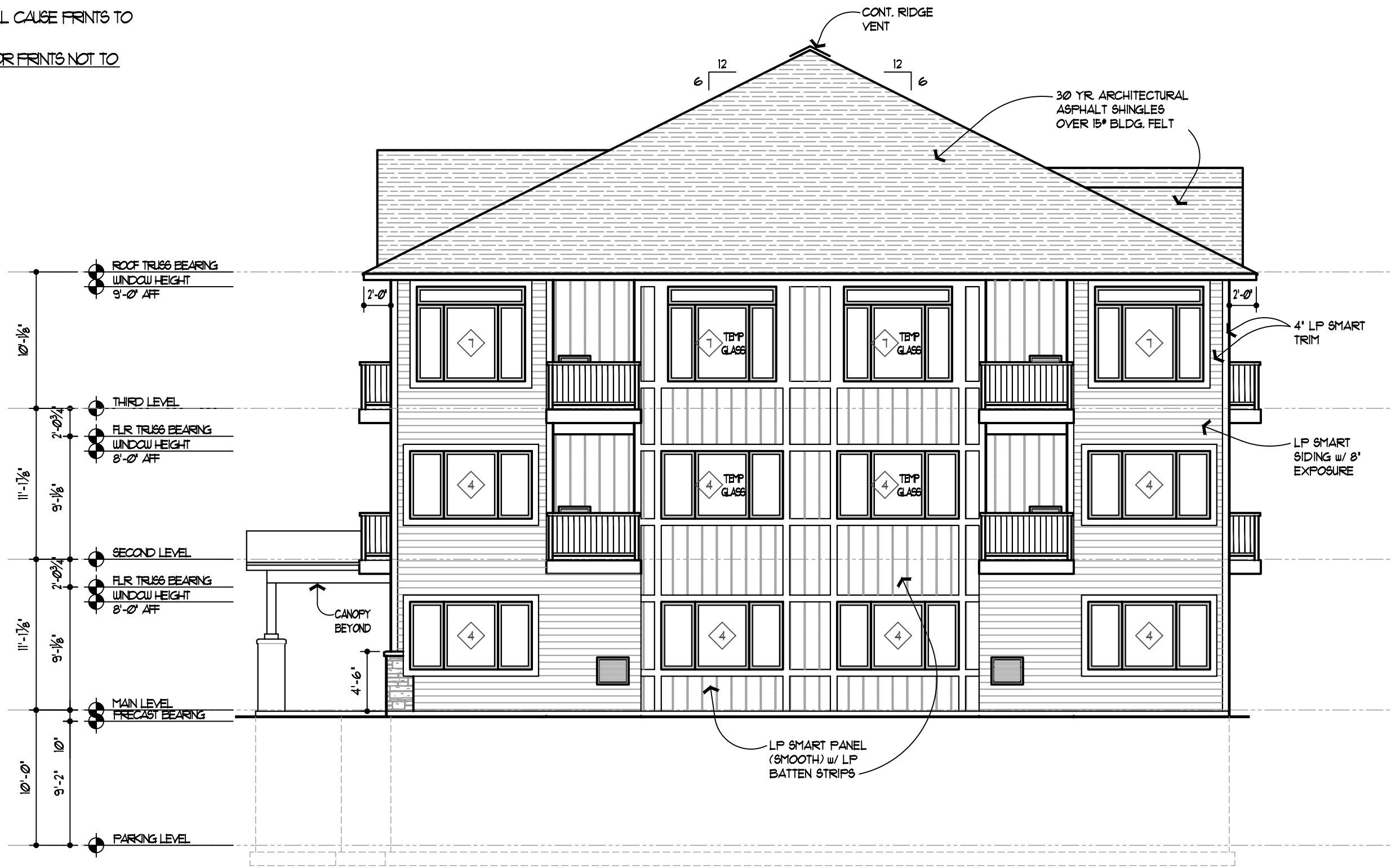
4TH LANE FLATS
1401 4TH AVE LANE NE (504 16TH ST NE)
LOT 9 BLOCK 1 THOMPSON ADDITION
KASSON
MINNESOTA
KEY BUILDERS

PROJECT #: 20150
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NORTH & EAST
EXTERIOR ELEVATIONS

A4.1

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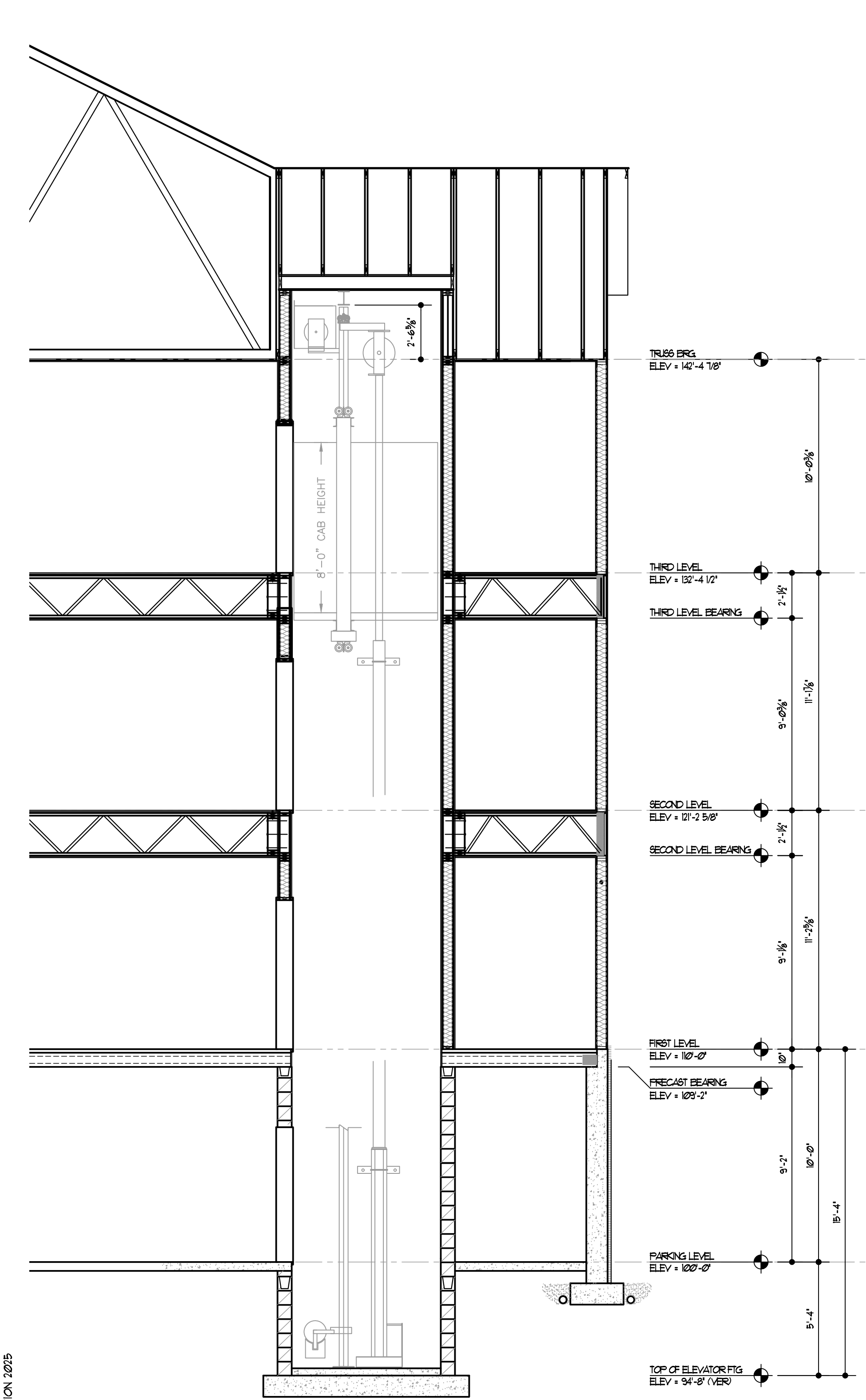


2 WEST ELEVATION
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

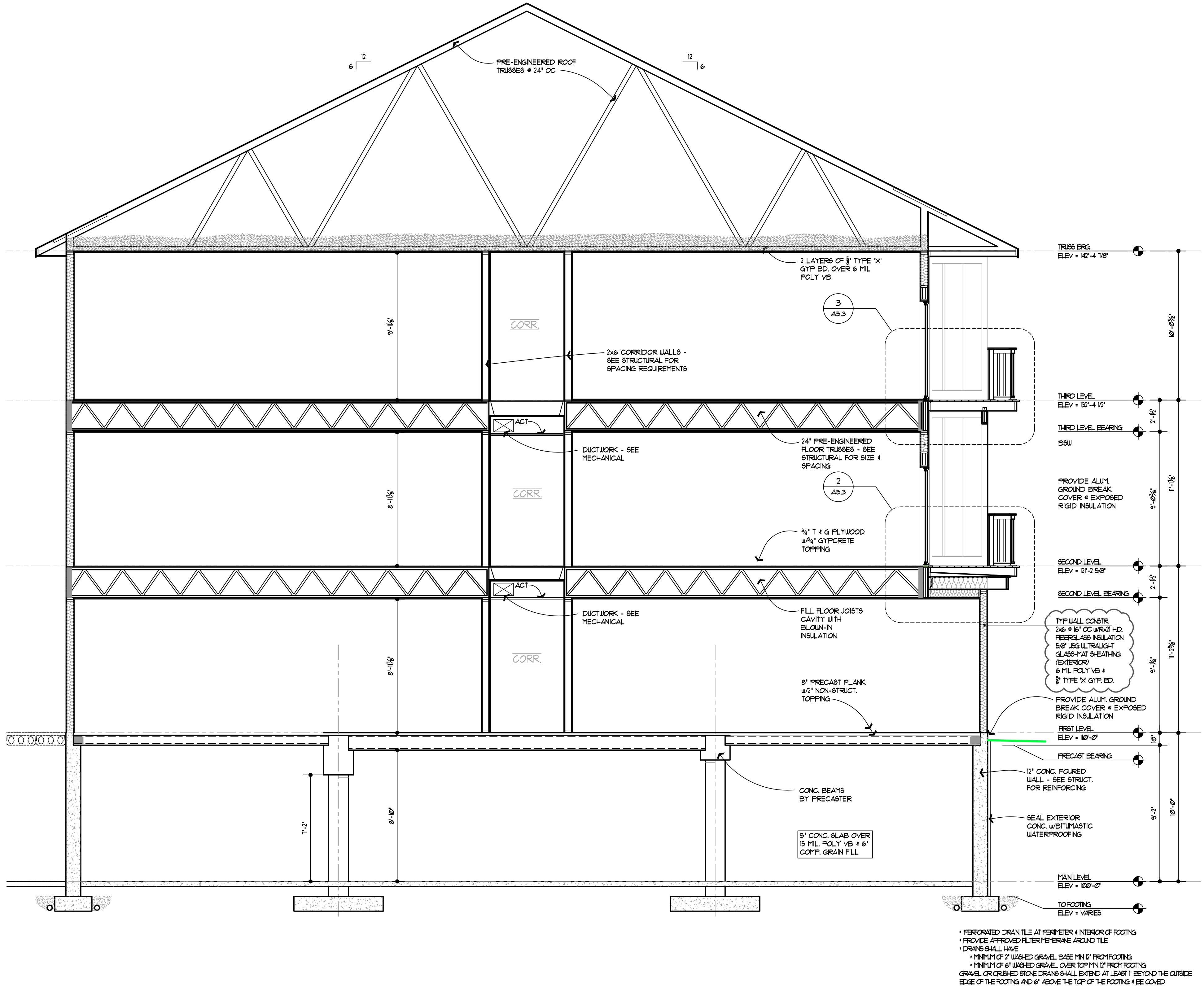


1 SOUTH ELEVATION
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

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2 ELEVATOR SECTION
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



1 BUILDING SECTION
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

• PERFORATED DRAIN TILE AT PERIMETER & INTERIOR OF FOOTING
• PROVIDE APPROVED FILTER FABRICATION AROUND TILE
• DRAINS SHALL HAVE
• MINIMUM OF 2" WASHED GRAVEL BASE MIN 12" FROM FOOTING
• MINIMUM OF 6" WASHED GRAVEL OVER TOP MIN 12" FROM FOOTING
• GRAVEL OR CRUSHED STONE DRAINS SHALL EXTEND AT LEAST 1' BEYOND THE OUTSIDE EDGE OF THE FOOTING AND 6' ABOVE THE TOP OF THE FOOTING & BE COVERED

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By: *B. Stroh* Date: 5/9/25
Bernard Stroh, P.E. MN REG. NO. 14269



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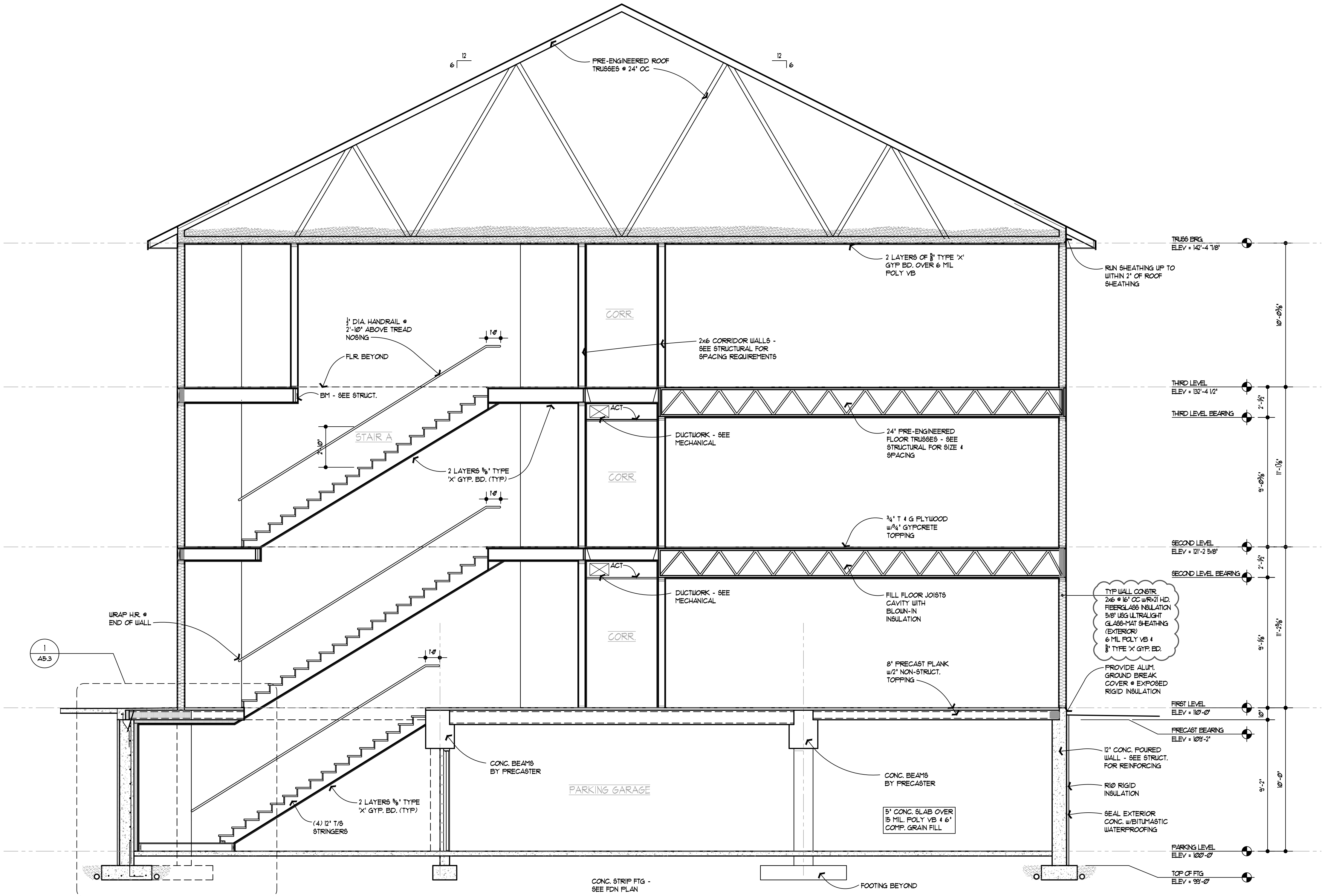
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4TH LANE FLATS
1401 4TH AVE LANE NE (504 16TH ST NE)
LOT 9 BLOCK 1 THOMPSON ADDITION
KASSON MINNESOTA
KEY BUILDERS

PROJECT #:	20150
DRAWN BY:	AJT / BMD
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BUILDING
SECTION
A5.1

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BUILDING SECTION
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

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BUILDING & STAIR SECTION
A5.2

TRImension
DESIGN

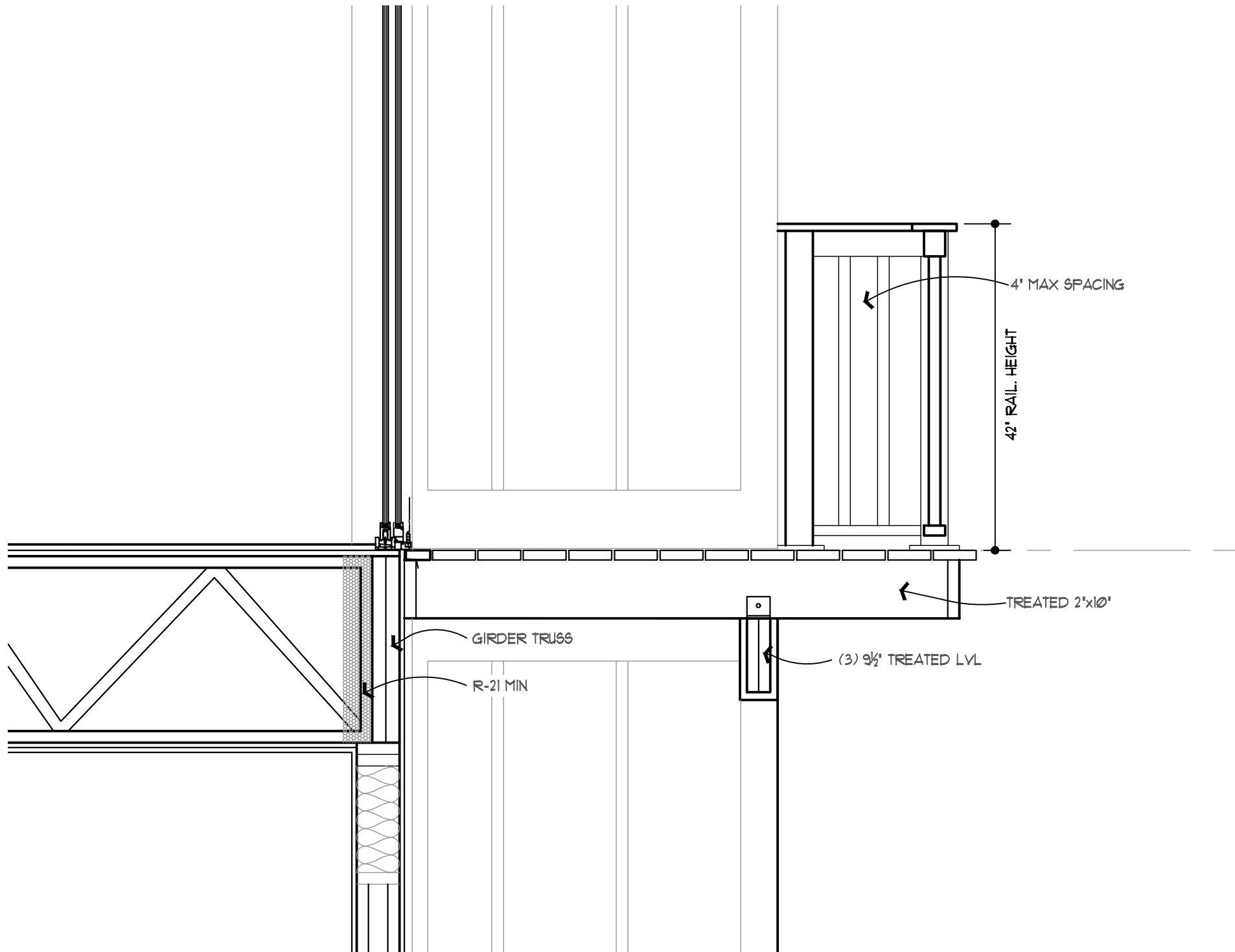
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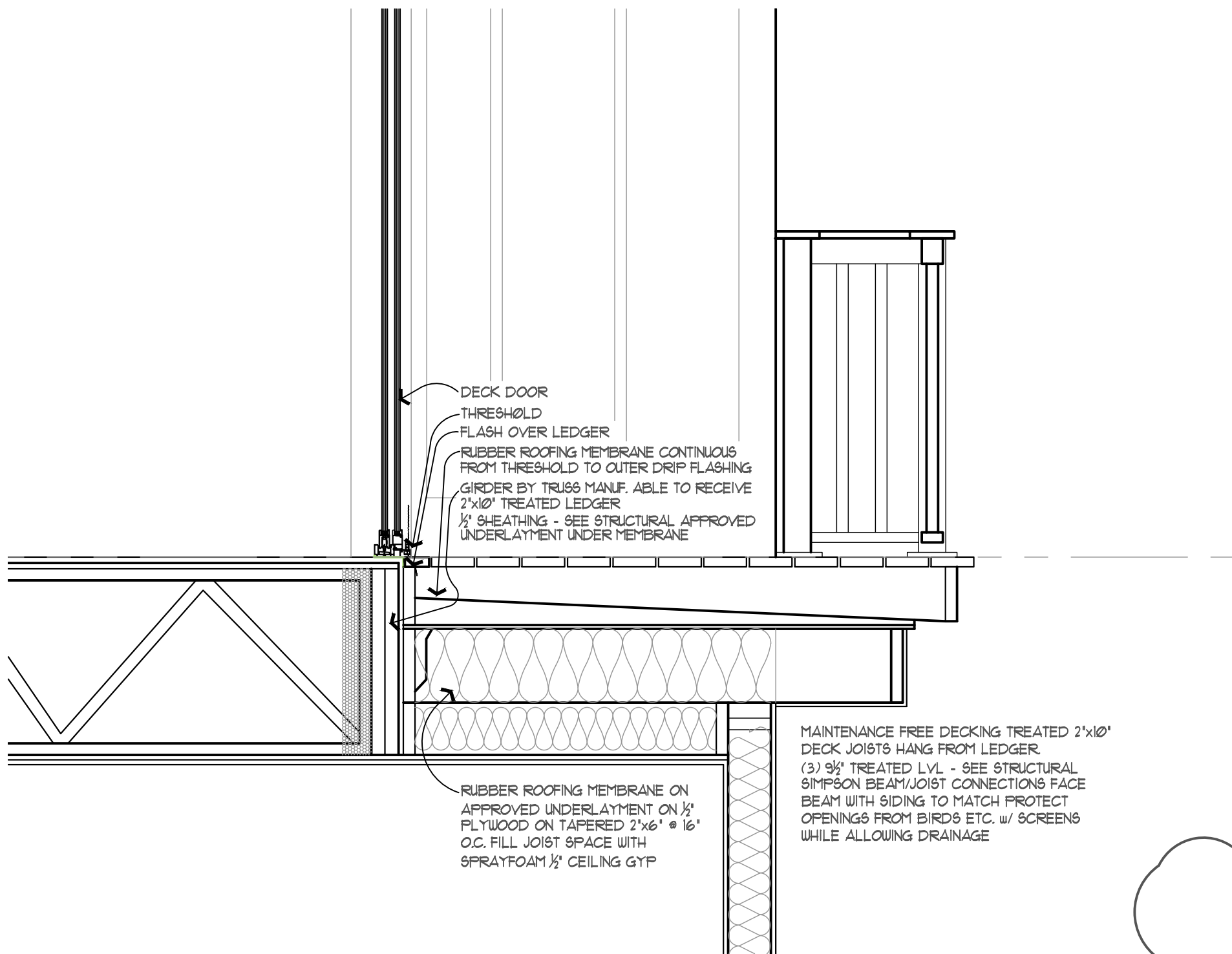
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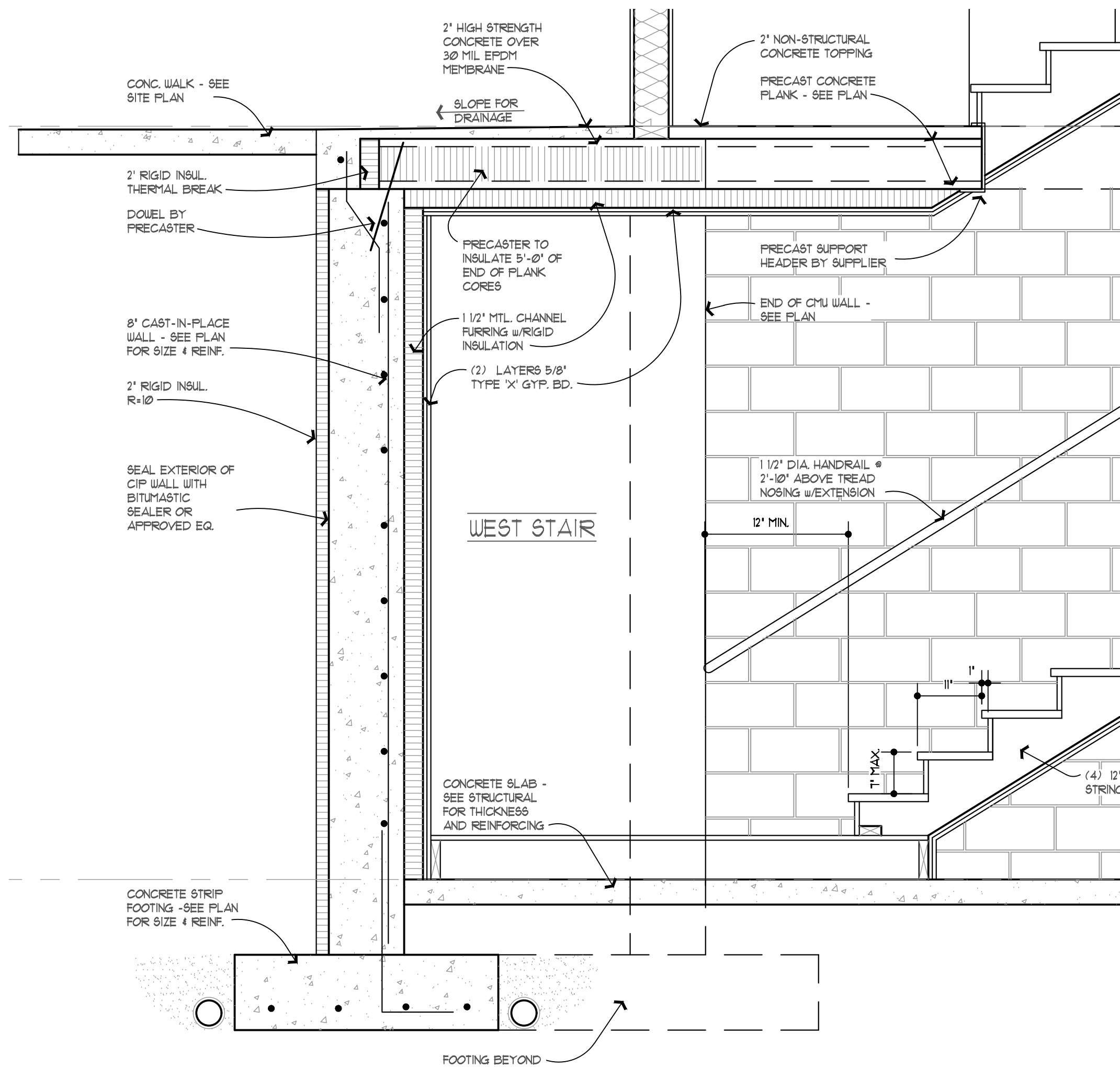
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3 TYP. DECK FRAMING AT 3rd FLOOR
SCALE: 3/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



2 TYP. DECK FRAMING AT 2nd FLOOR
SCALE: 3/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



1 ENLARGED SECTION AT STAIR A
SCALE: 3/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

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ENLARGED
SECTIONS

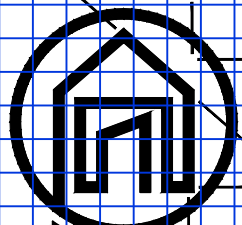
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FOOTING
PLAN

S1.1

SPREAD FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F1	5'-0" x 5'-0" x 12"	(6) #5 EACH WAY BOTTOM
F2	6'-6" x 6'-6" x 16"	(7) #6 EACH WAY BOTTOM
F3	7'-0" x 7'-0" x 17"	(7) #6 EACH WAY BOTTOM
F4	7'-6" x 7'-6" x 18"	(6) #7 EACH WAY BOTTOM
F5	8'-0" x 8'-0" x 19"	(7) #7 EACH WAY BOTTOM
F6	8'-6" x 8'-6" x 20"	(7) #7 EACH WAY BOTTOM
F7	9'-0" x 9'-0" x 21"	(8) #7 EACH WAY BOTTOM
F8	9'-6" x 9'-6" x 22"	(9) #7 EACH WAY BOTTOM

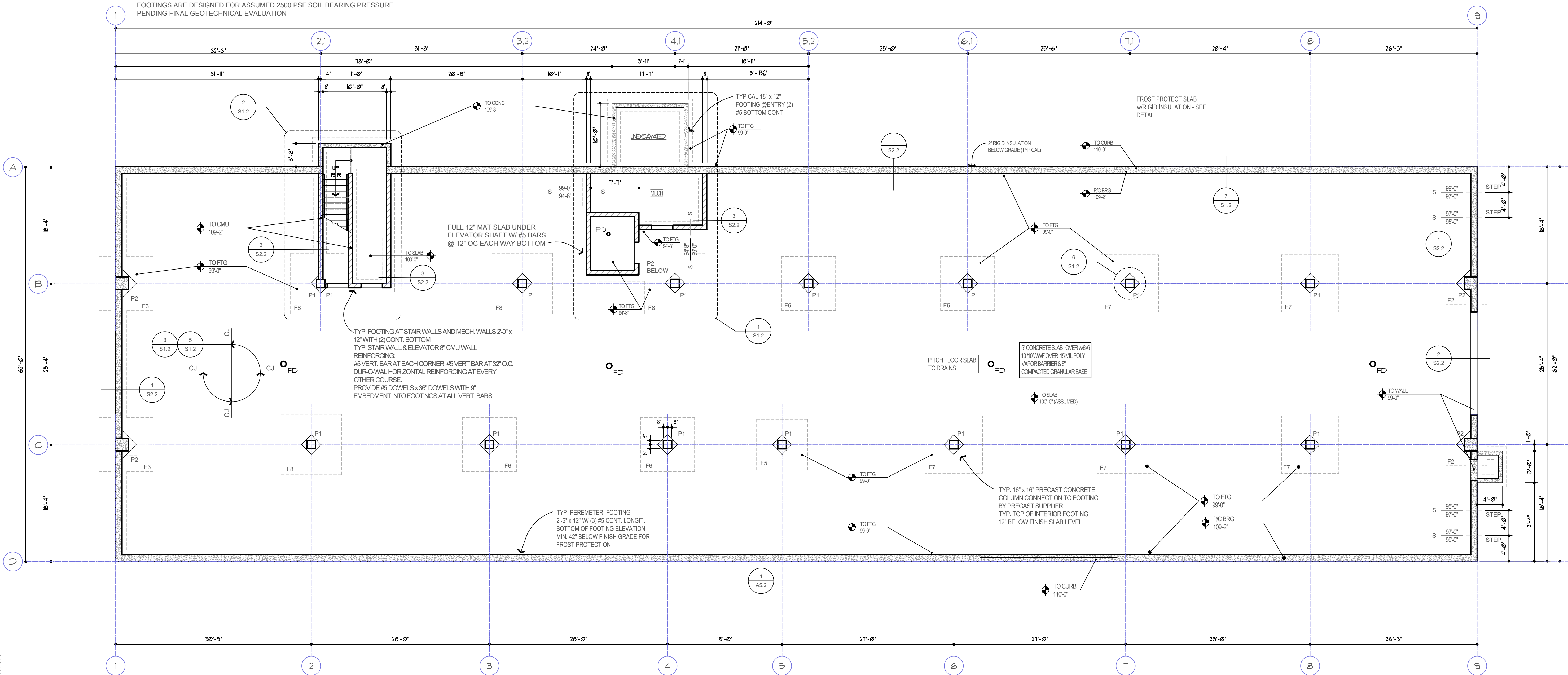
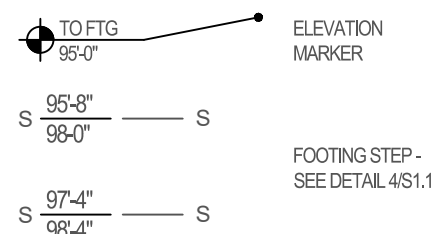
FOOTINGS ARE DESIGNED FOR ASSUMED 2500 PSF SOIL BEARING PRESSURE
PENDING FINAL GEOTECHNICAL EVALUATION

PIER SCHEDULE

MARK	SIZE	REINFORCING
P1	1'-4" x 1'-4"	BY PRECASTER
P2	2'-0" x 2'-0"	(8) #6 VERT. AND #3 TIES @ 16" OC

NOTE: ALL PIERS AND FOOTINGS TO BE CENTERED ON GRIDS
(UNLESS NOTED OTHERWISE)

SYMBOL KEY:



FOUNDATION PLAN

SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

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By: *B. Stroh* Date: 5/9/25
Bernard Stroh, P.E. MN REG. NO. 14269



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Christopher L. Peterson
date: Sep 23, 2025 Reg. #40507

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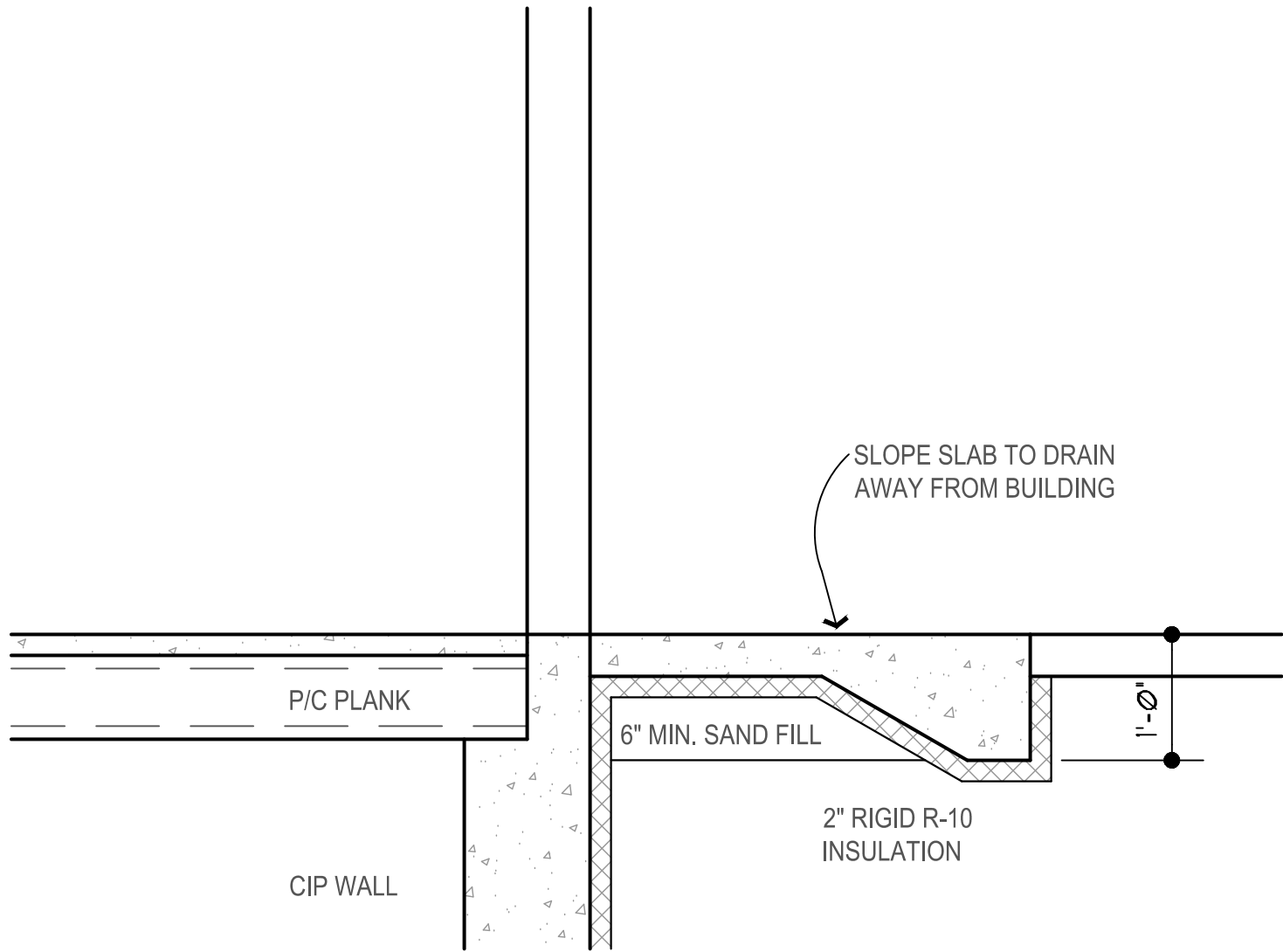
4TH LANE FLATS

1401 4TH AVE LANE NE (504 16TH ST NE)
LOT 9 BLOCK 1 THOMPSON ADDITION
KASSON MINNESOTA

KEY BUILDERS

PROJECT #: 20150
DRAWN BY: AJT / BMD
CHECKED BY: BS / CP
FINAL SET DATE: MAY 09, 2025
FOUNDATION UPDATE: JULY 21, 2025
RFI #4: AUGUST 6, 2025
REVISION: SEPTEMBER 4, 2025
PERMIT REV: SEPTEMBER 12, 2025
PRINTED: Sep 23, 2025

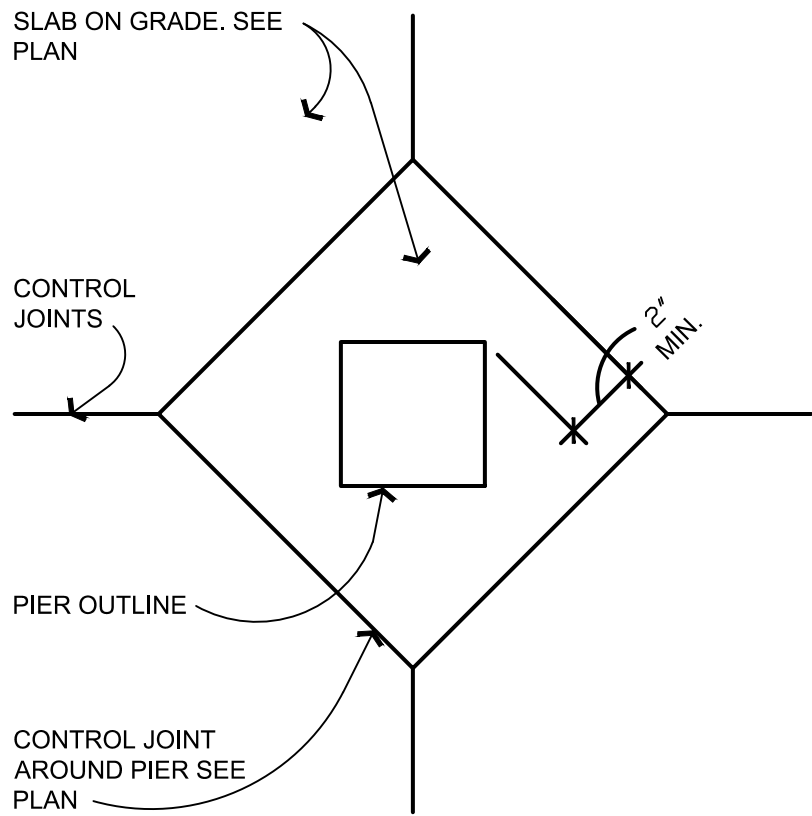
ENLARGED
PLAN DETAILS
S1.2



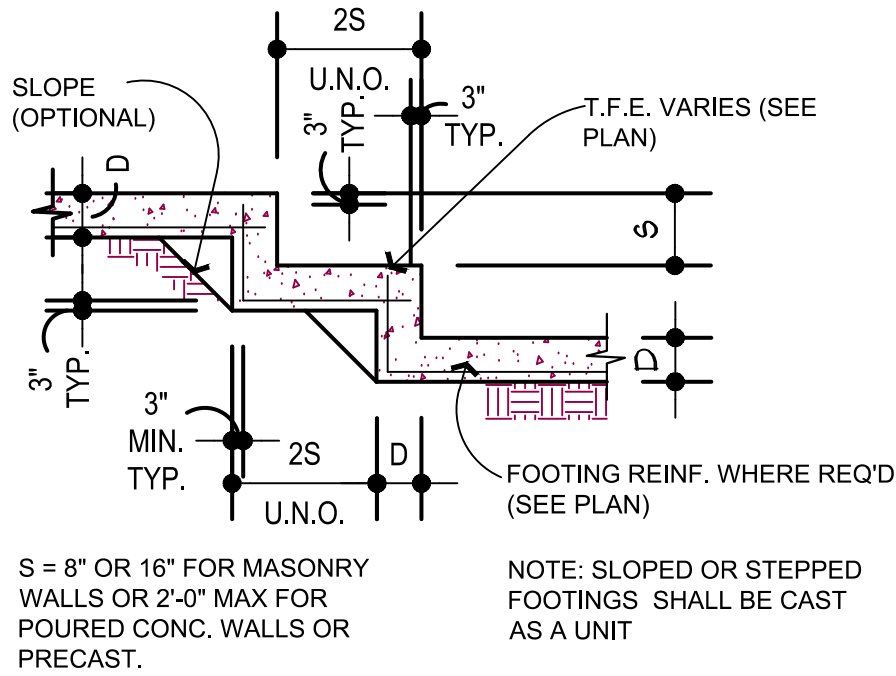
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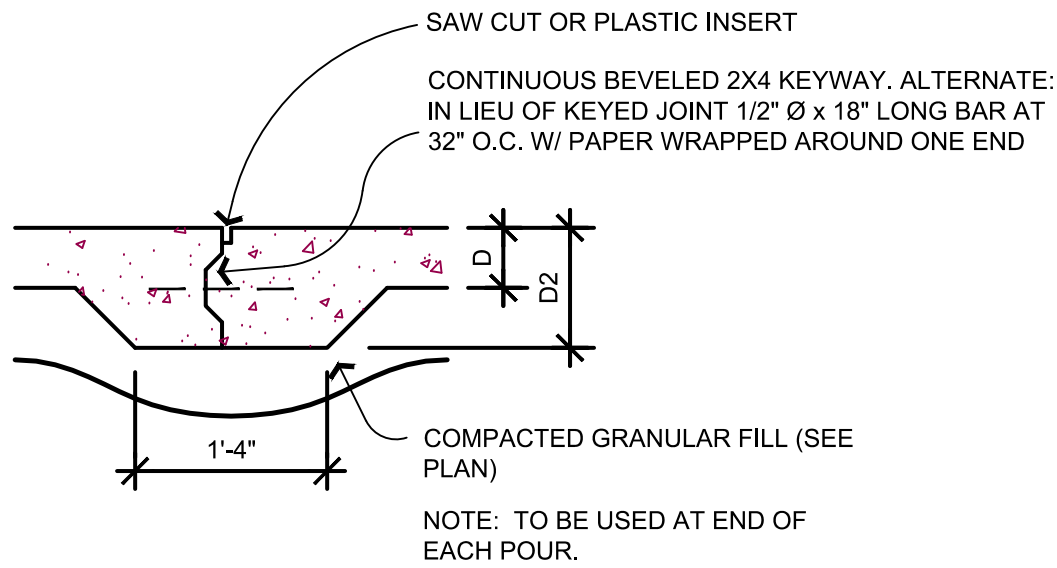
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SCALE: HALF SCALE (11" x 17")



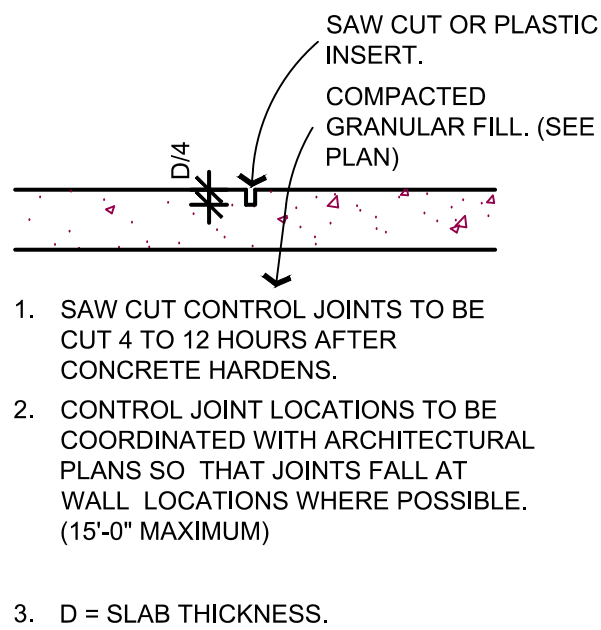
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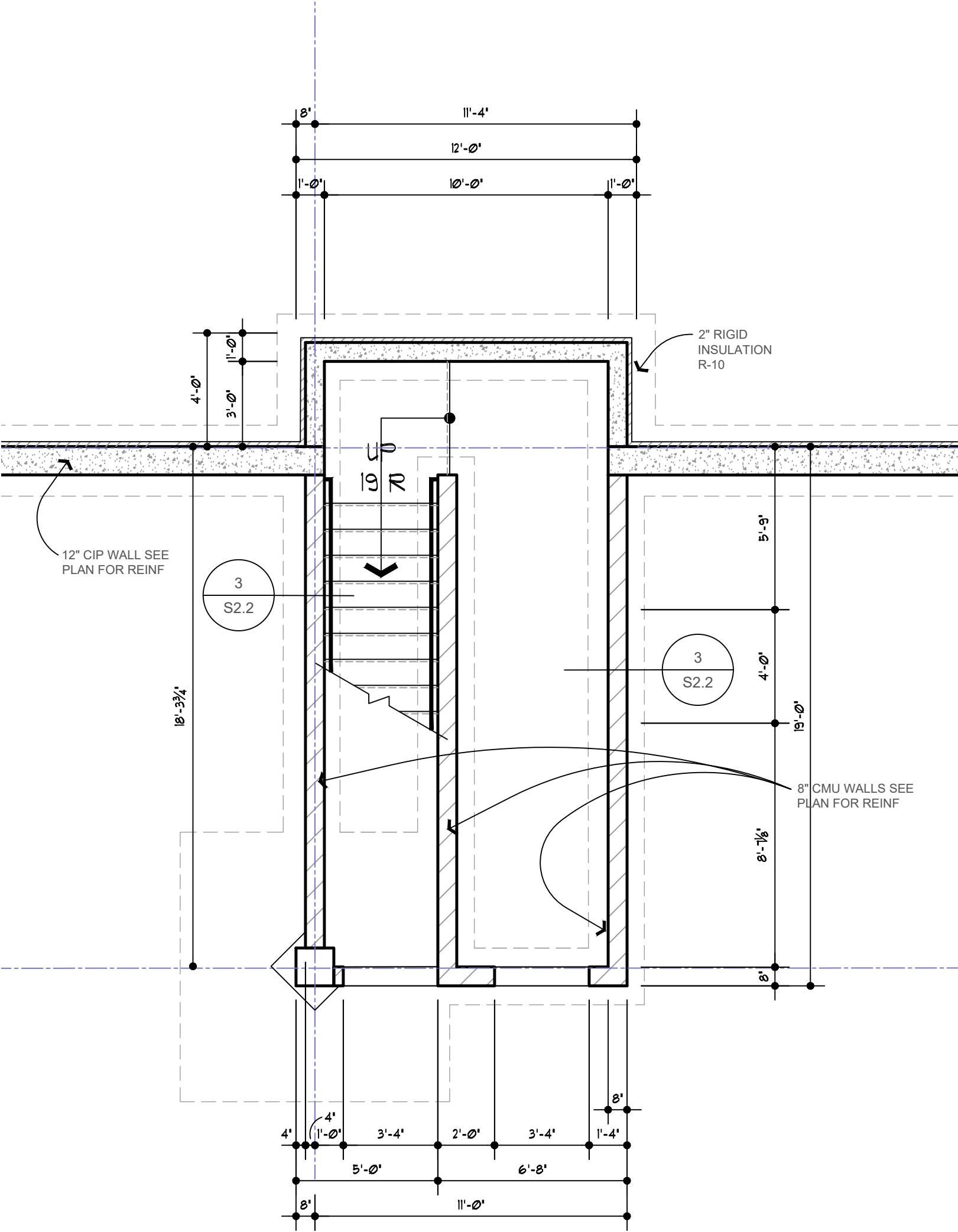
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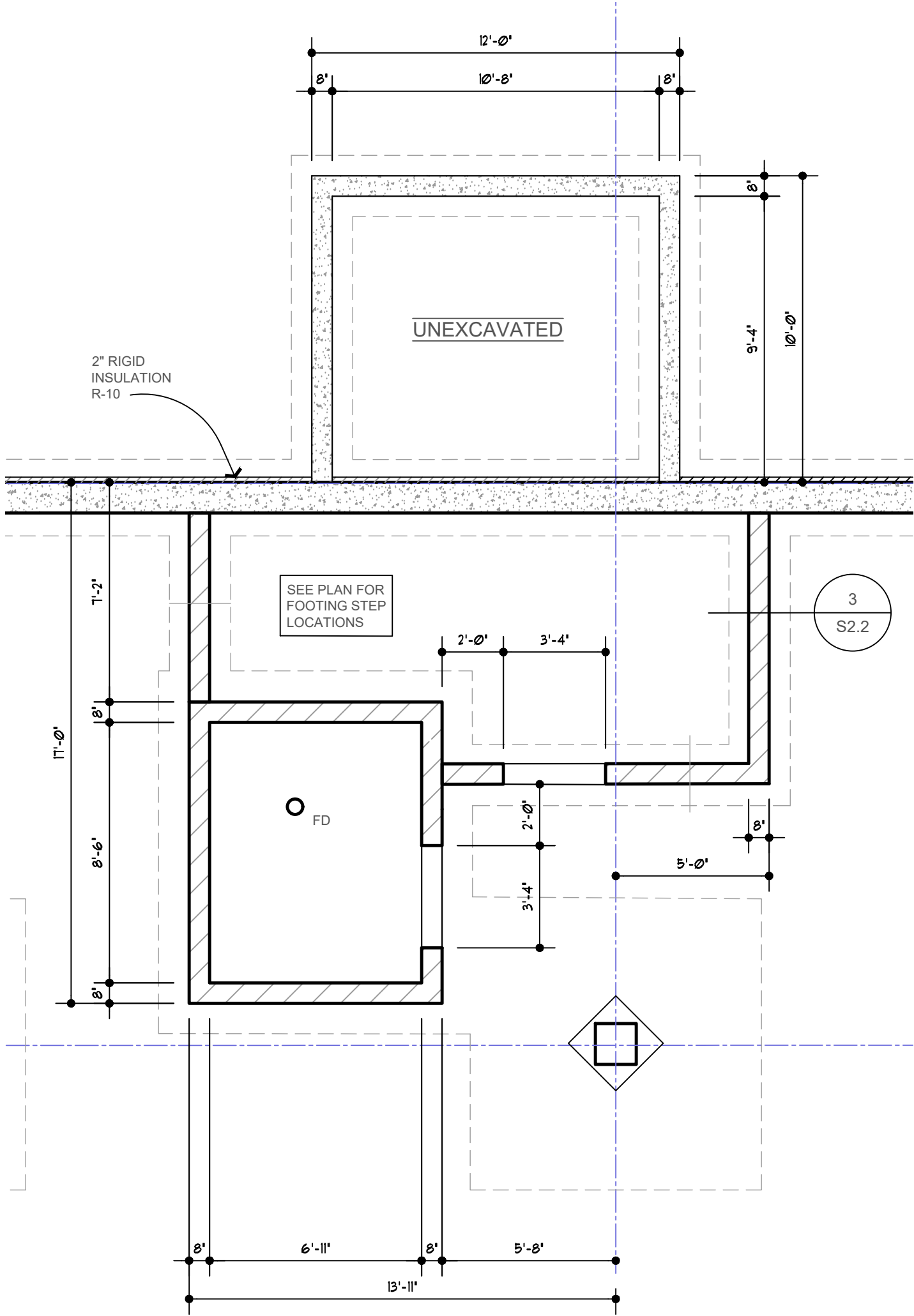
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SCALE: NONE
SCALE: HALF SCALE (11" x 17")



3 CONTROL JOINT
SCALE: NONE
SCALE: HALF SCALE (11" x 17")



2 PLAN @ STAIR
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



1 PLAN @ ELEVATOR
SCALE: 1/4"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

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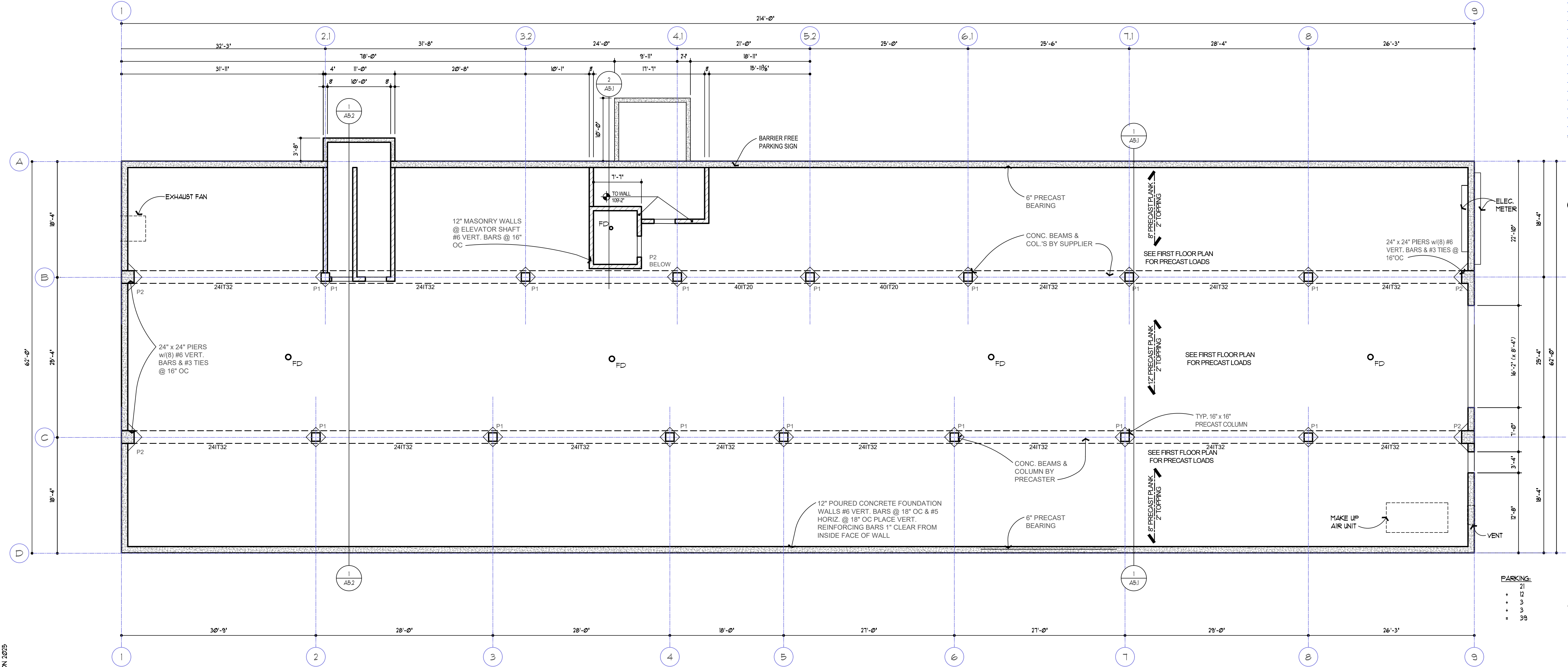
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PRECAST
FRAMING PLAN
S2.1

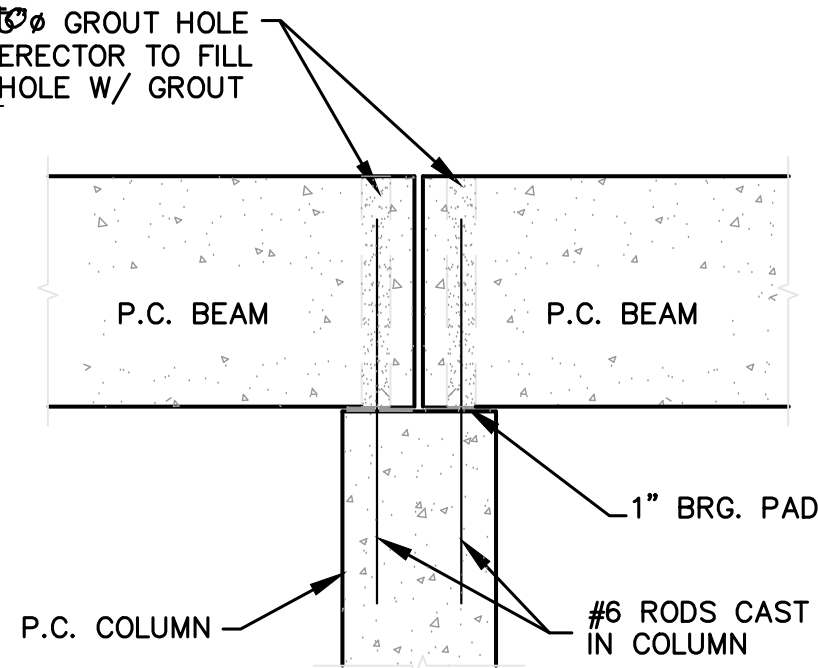


1 PRECAST PLAN
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

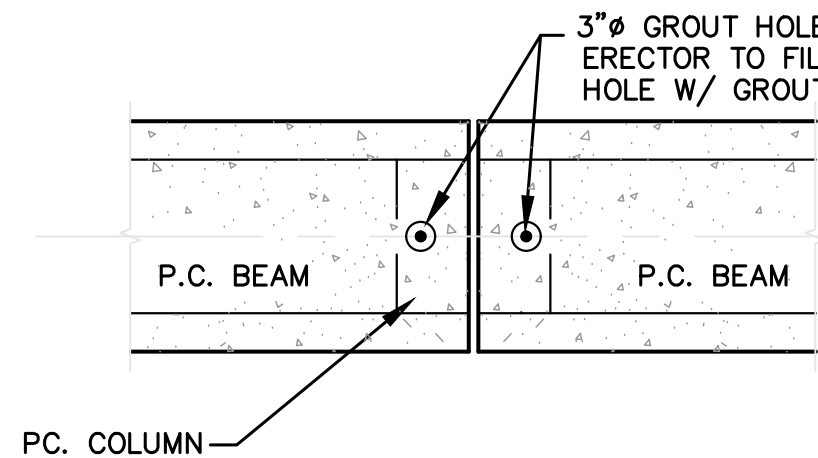
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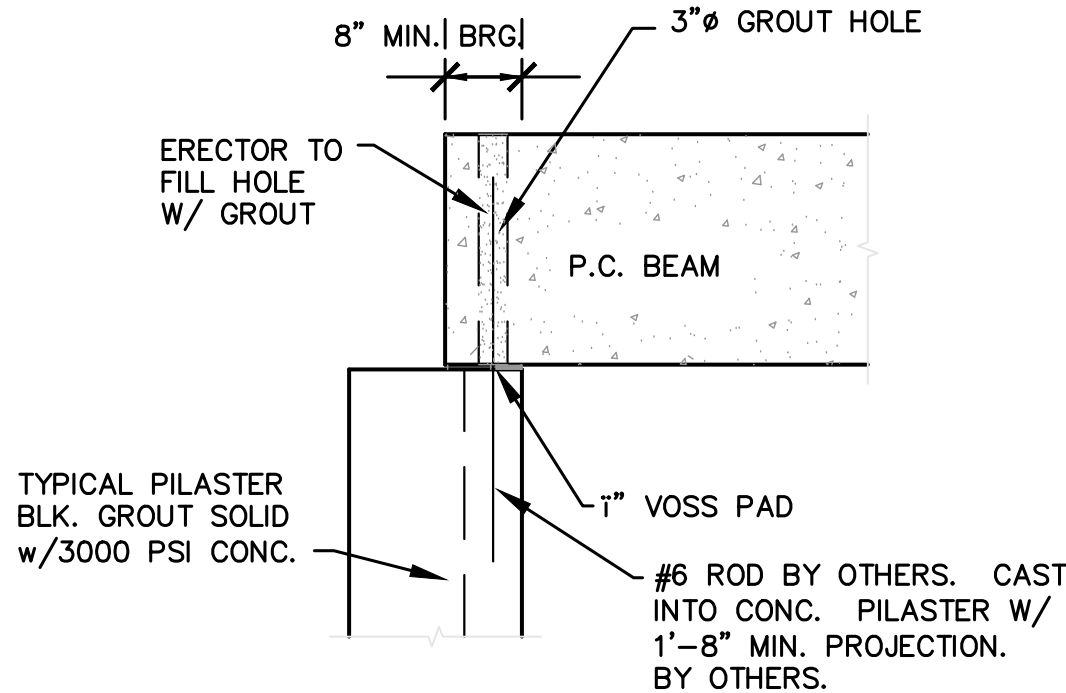
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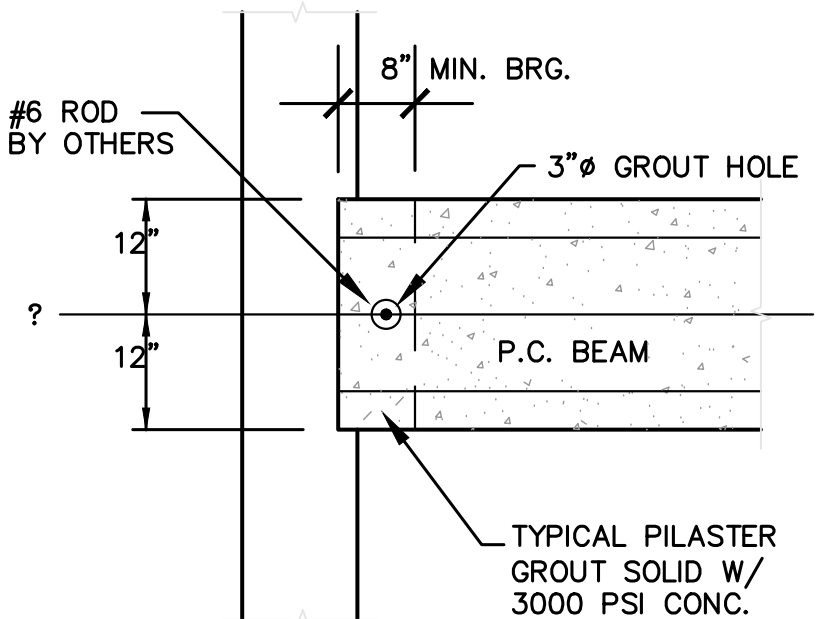
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SCALE: HALF SCALE (11" x 17")



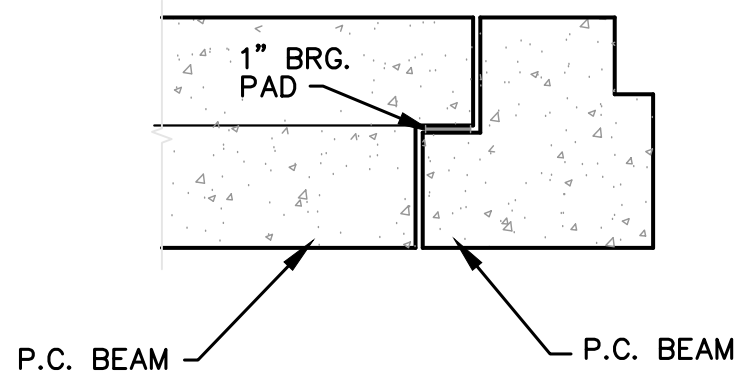
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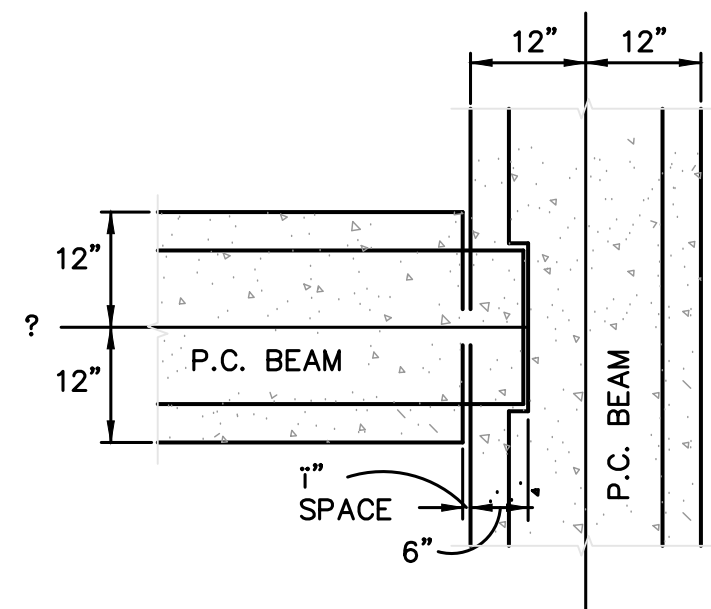
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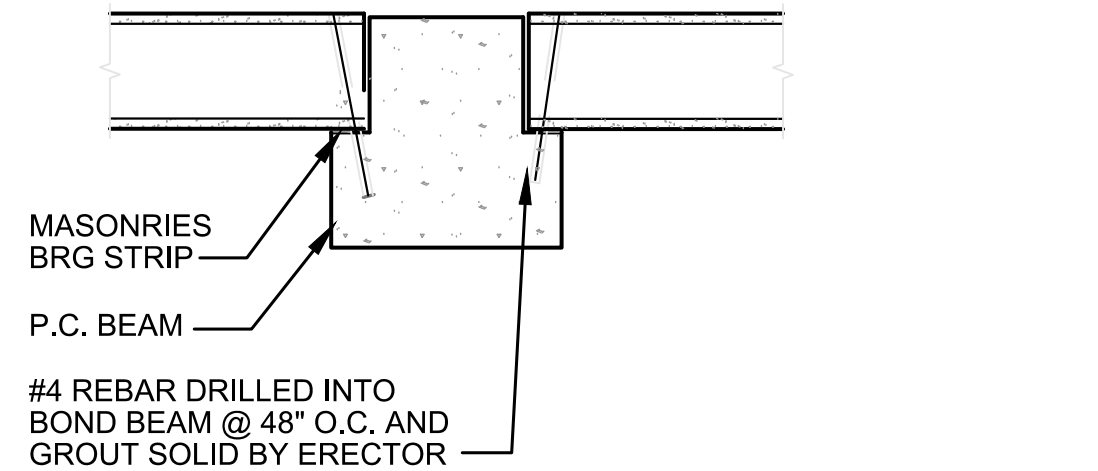
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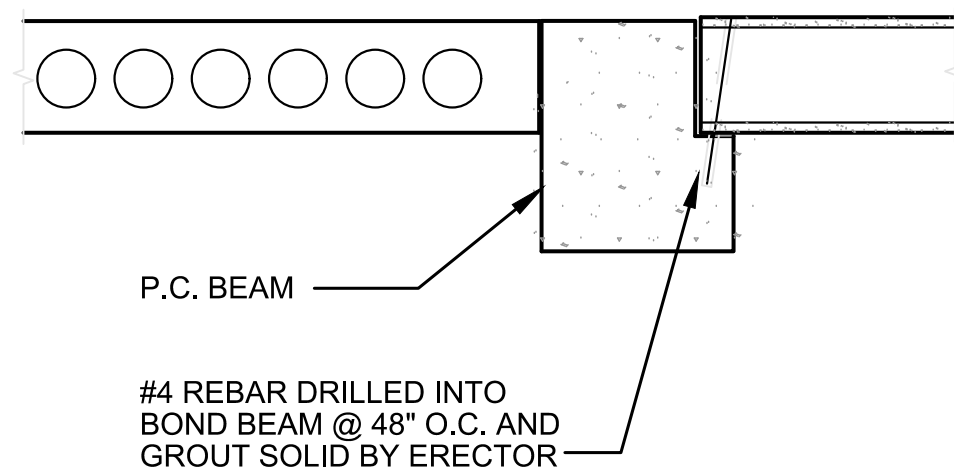
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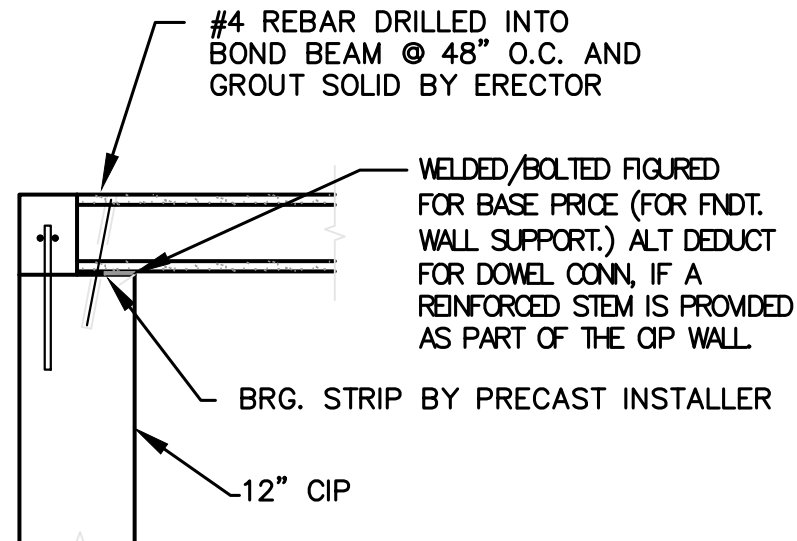
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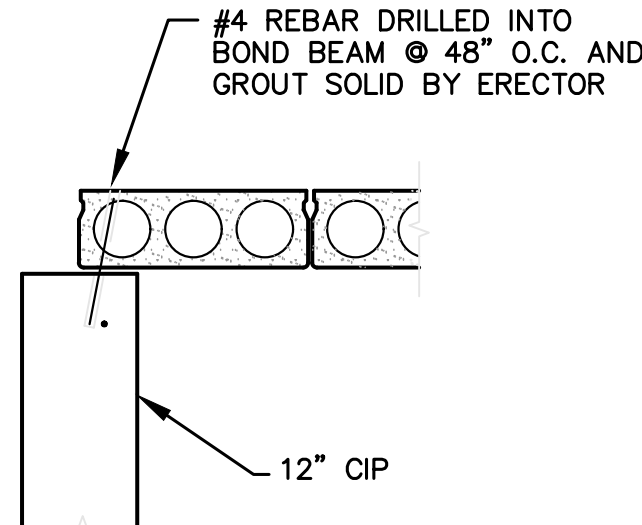
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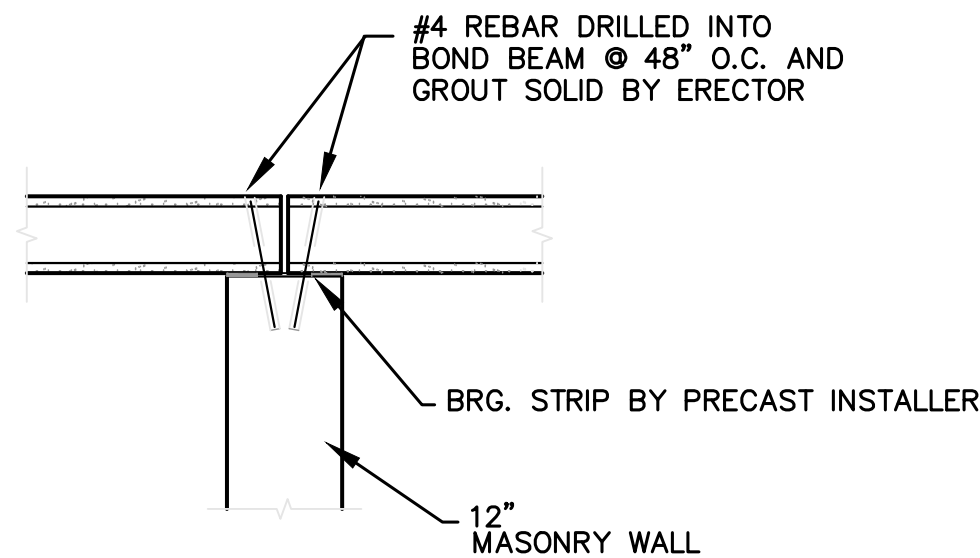
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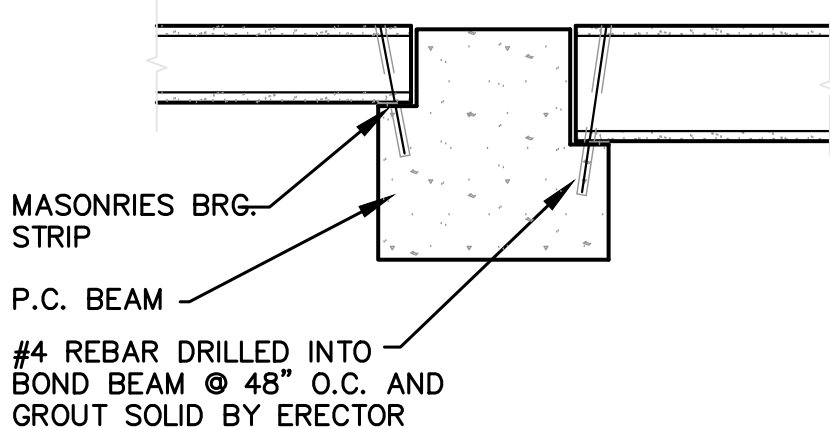
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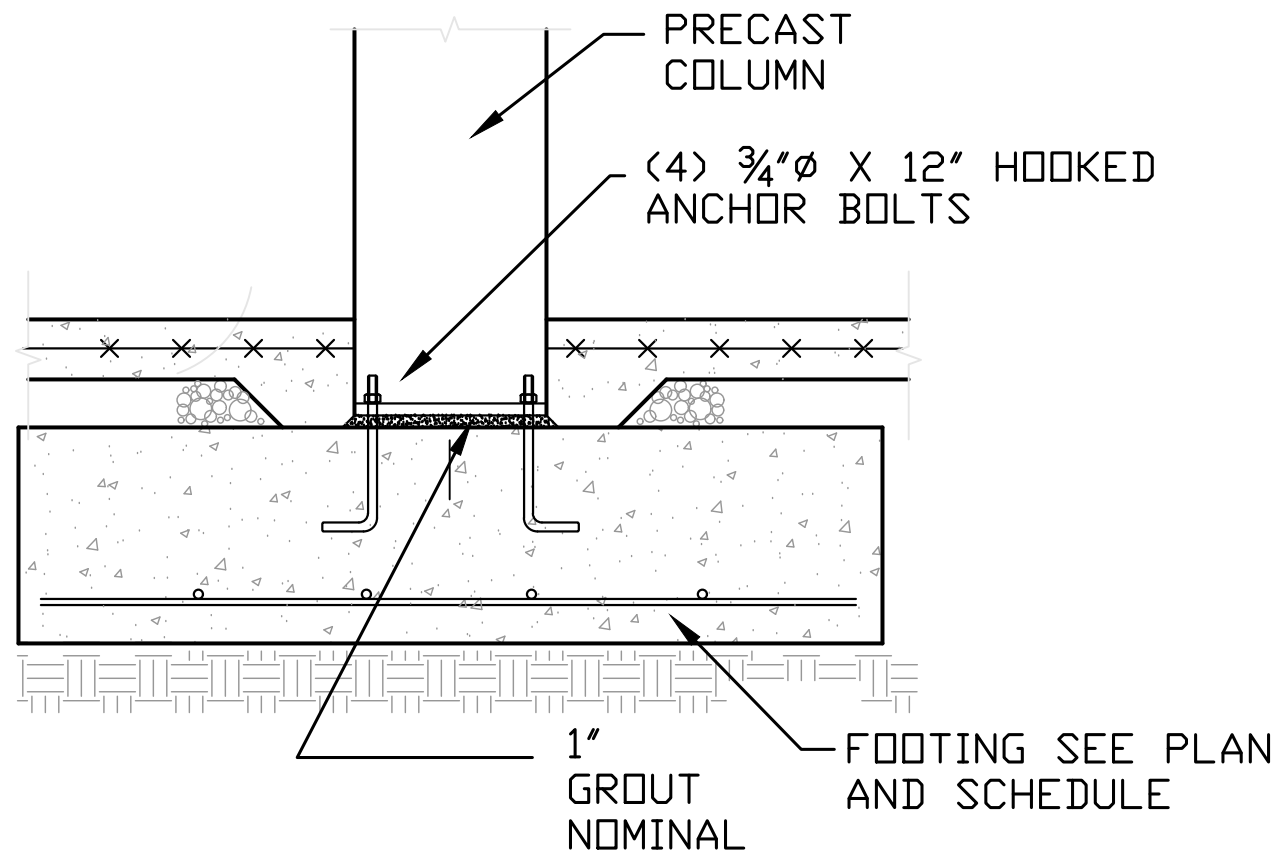
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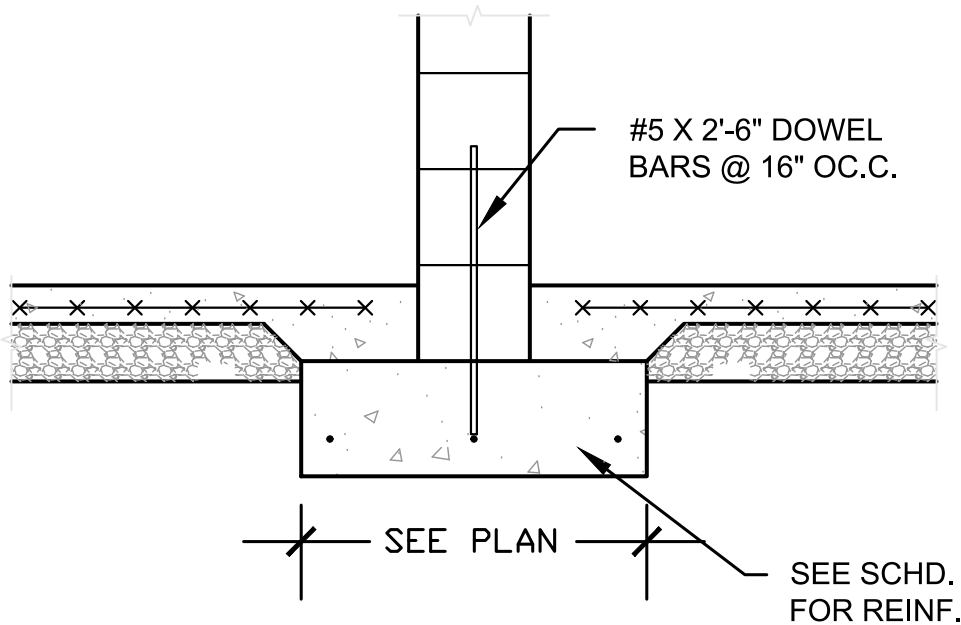
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SCALE: HALF SCALE (11" x 17")



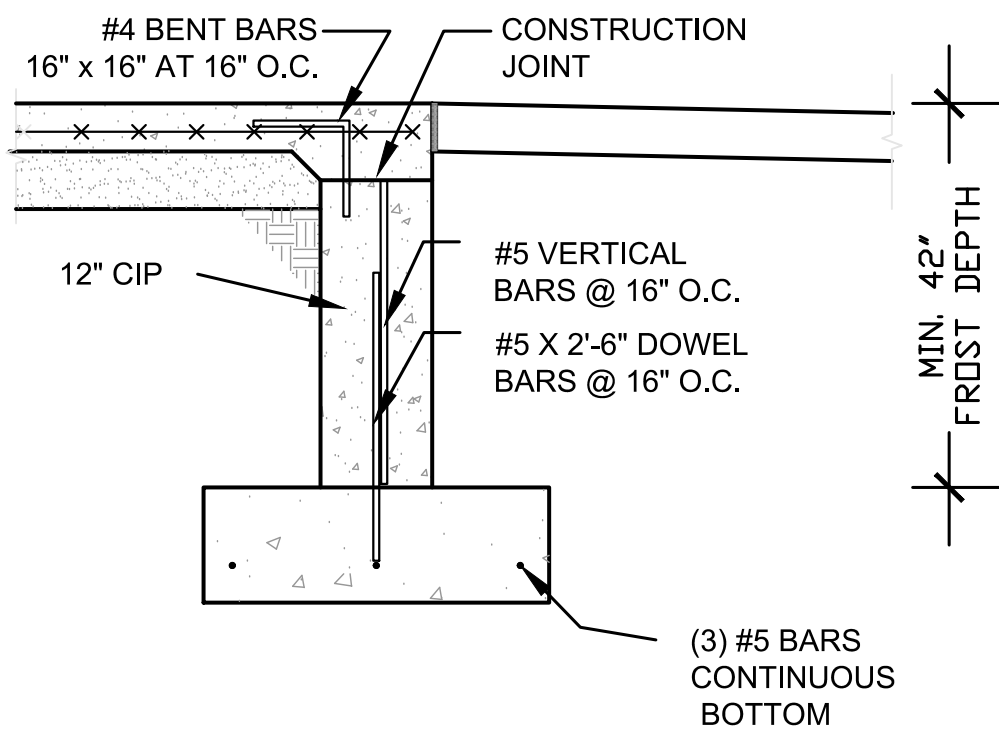
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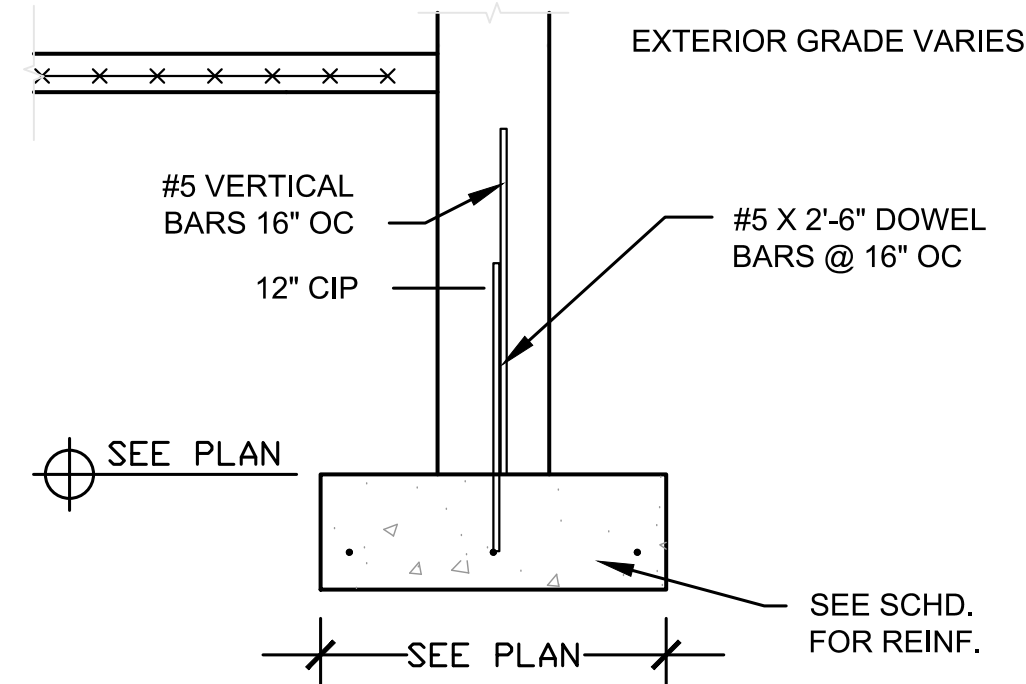
4 TYP DETAIL
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



3 TYP DETAIL
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



2 TYP DETAIL AT PARKING GARAGE APRON SLAB
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")



1 TYP DETAIL AT EXT. FNDT. WALL-FTG
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

WOOD HEADER SCHEDULE			
MARK	SIZE	JACK STUD	KING STUD
H1	(2) 2x10	(2) 2x6	(1) 2x6
H2	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(2) 2x6
H3	(3) 1 3/4"x9 1/2" LVL	(3) 2x6	(2) 2x6
H4	(3) 2x10	(2) 2x6	(2) 2x6

TYPICAL FLOOR FRAMING NOTES:

1. TYPICAL FLOOR FRAMING AT APARTMENT UNITS CONSISTS OF 24" DEEP ENGINEERED WOOD TRUSSES SPACED @ 24" O.C.
2. TYPICAL FLOOR FRAMING AT CORRIDOR CONSISTS OF 2x10 JOISTS (SPF #1/#2) SPACED @ 16" O.C.
3. TYPICAL FLOOR FRAMING @ ELEVATOR LOBBY CONSISTS OF 9 1/2" TJI 210 SERIES ENGINEERED JOISTS SPACED @ 16" O.C.
4. TYPICAL BALCONY FRAMING CONSISTS OF TREATED 2x10 JOISTS SPACED @ 16" O.C. (NOTE: GIRDER TRUSSES ARE REQUIRED AT EACH SIDE OF BALCONY UNITS)
5. TYPICAL FLOOR SHEATHING SHALL BE 3/4" T&G PLYWOOD GLUED W/ PL-400 OR EQUAL ADHESIVE W/ 10d NAILS @ 6" O.C. AT ALL SUPPORTED PANEL EDGES AND 12" O.C. IN FIELD ON PANELS.

WOOD STUD BEARING SCHEDULE	
AT END UNITS ONLY 1ST FLOOR STUDS SUPPORTING 2ND, 3RD FLOOR & ROOF	DOUBLE 2x6 STUDS @ 16" O.C.
TYP. CORRIDOR WALL 1ST FLOOR STUDS SUPPORTING 2ND, 3RD FLOOR & ROOF	DOUBLE 2x6 STUDS @ 16" O.C.
AT END UNITS ONLY 2ND FLOOR STUDS SUPPORTING 3RD FLOOR & ROOF	2x6 STUDS @ 16" O.C.
TYP. CORRIDOR WALL 2ND FLOOR STUDS SUPPORTING 3RD FLOOR & ROOF	2x6 STUDS @ 16" O.C.
AT END UNITS ONLY 3RD FLOOR STUDS SUPPORTING ROOF	2x6 STUDS @ 16" O.C.
TYP. CORRIDOR WALL 3RD FLOOR STUDS SUPPORTING ROOF	2x6 STUDS @ 16" O.C.
TYP. EXTERIOR WALLS (ALL LEVELS)	2x6 STUDS @ 16" O.C.

TOP & BOTTOM PLATE NOTES: ALL STUD FRAMING FOR BEARING WALLS SHALL BE SPF #1/#2. DOUBLE TOP PLATE & BOTTOM PLATES AT FIRST FLOOR SHALL BE DOUGLAS FIR OR HEM-FIR #2 OR BETTER GRADE. DOUBLE TOP & BOTTOM PLATES AT 2ND & 3RD FLOOR SHALL BE SPF #1/#2. ALL BOTTOM PLATES IN CONTACT W/ PRECAST OR MASONRY SHALL BE TREATED. WOOD PLATES SHALL BE FASTENED WITH 1/2" DIA. x 5" SIMPSON TITEN HD ANCHORS @ 48" O.C. MAX. SPACING	
--	--

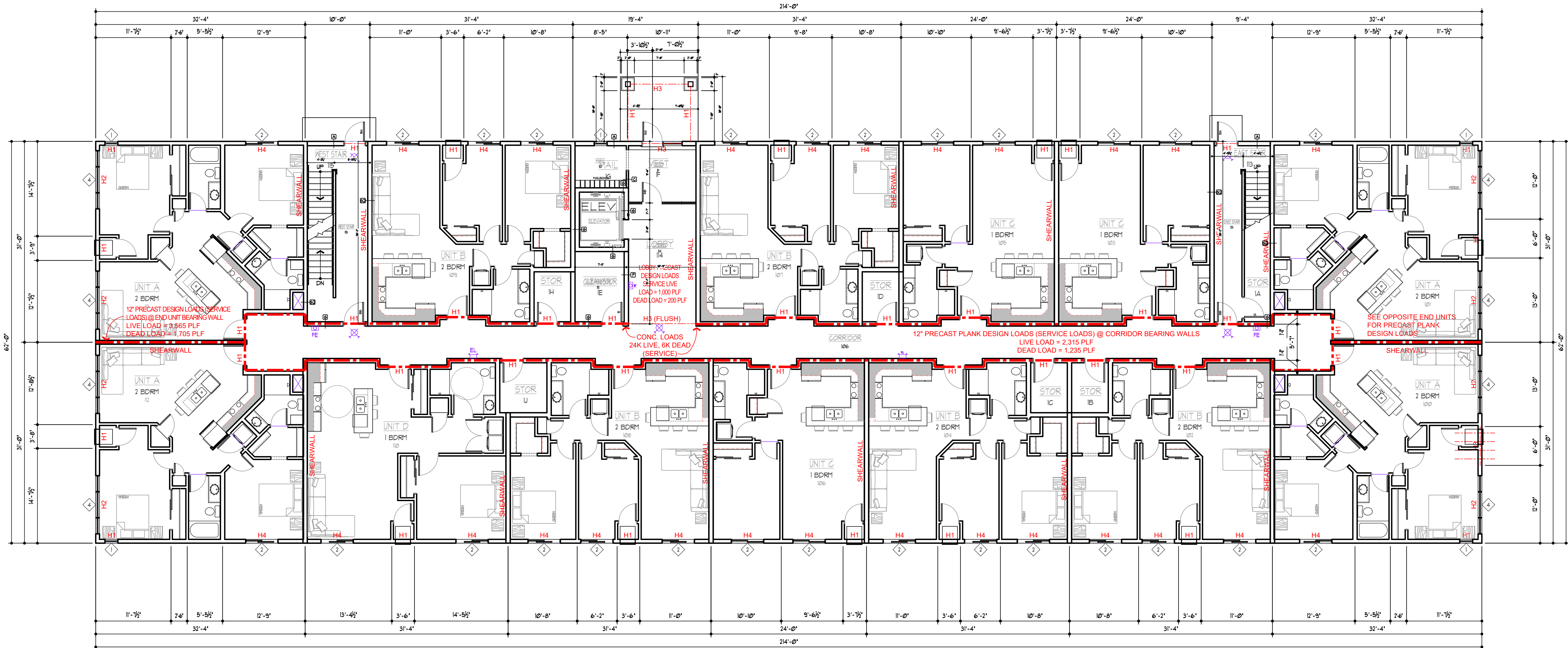
SHEAR WALL SCHEDULE	
REFER TO FLOOR PLANS FOR INTERIOR WALLS INDICATED AS 'SHEARWALLS'	
1ST FLOOR	8d NAILS SPACED @ 3" O.C. @ ALL PLYWOOD EDGES. 8d NAILS SPACED @ 6" O.C. MAX. UNLESS NOTED
2ND FLOOR	8d NAILS SPACED @ 4" O.C. @ ALL PLYWOOD EDGES. 8d NAILS SPACED @ 8" O.C. MAX. UNLESS NOTED
3RD FLOOR	8d NAILS SPACED @ 6" O.C. @ ALL PLYWOOD EDGES. 8d NAILS SPACED @ 12" O.C. MAX. UNLESS NOTED

SHEATHING NOTES: ALL PLYWOOD OR OSB SHALL BE RATED STRUCTURAL SHEATHING 15/32 THICK. STRUCTURAL SHEATHING SHALL BE APPLIED DIRECTLY TO FRAMING STUDS. GYP. BOARD FINISHES SHALL BE APPLIED OVER THE STRUCTURAL SHEATHING.	
--	--

HOLD DOWN & TENSION STRAP NOTES

ALL INTERIOR WALLS DESIGNATED AS SHEAR WALLS ON 1ST FLOOR REQUIRE SIMPSON HOLD-DOWNS AT EACH END OF WALL: HDU5 W/ (14) 1/4" DIA. x 2 1/2" SDS SCREWS. END POSTS AT ANCHORS SHALL BE (2) 2x6 STUDS NAILED AS UNIT. SIMPSON HOLD-DOWN REQUIRES 5/8" DIA. THREADED ROD DRILLED THRU PRECAST PLANK WITH HEAVY PLATE WASHER & HEAVY NUT AT BOTTOM OF PLANK.

ALL INTERIOR WALLS DESIGNATED AS SHEAR WALLS ON 2ND & 3RD FLOORS REQUIRE SIMPSON TENSION STRAPS: CSHPT20 W/ (9) 8d NAILS AT EACH END OF STRAP. END POSTS AT STRAPS SHALL BE (2) 2x6+ STUDS NAILED AS UNIT.



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FIRST FLOOR STRUCTURAL

SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

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4TH LANE FLATS
1401 4TH AVE LANE NE (504 16TH ST NE)
LOT 9 BLOCK 1 THOMPSON ADDITION
KASSON MINNESOTA
KEY BUILDERS

PROJECT #: 20150
DRAWN BY: AJT / BMD
CHECKED BY: BS / CP
FINAL SET DATE: MAY 08, 2025
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RFI #: AUGUST 6, 2025
REVISION: SEPTEMBER 4, 2025
PERMIT REV: SEPTEMBER 12, 2025
PRINTED: Sep 23, 2025

FIRST LEVEL
STRUCTURAL FLOOR PLAN

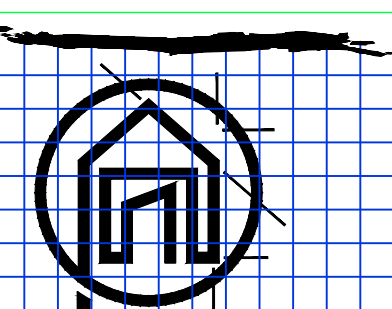
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WOOD HEADER SCHEDULE			
MARK	SIZE	JACK STUD	KING STUD
H1	(2) 2x10	(2) 2x6	(1) 2x6
H2	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(2) 2x6
H3	(3) 1 3/4"x9 1/2" LVL	(3) 2x6	(2) 2x6
H4	(3) 2x10	(2) 2x6	(2) 2x6

TYPICAL FLOOR FRAMING NOTES:

1. TYPICAL FLOOR FRAMING AT APARTMENT UNITS CONSISTS OF 24" DEEP ENGINEERED WOOD TRUSSES SPACED @ 24" O.C.
2. TYPICAL FLOOR FRAMING AT CORRIDOR CONSISTS OF 2x10 JOISTS (SPF #1/#2) SPACED @ 16" O.C.
3. TYPICAL FLOOR FRAMING @ ELEVATOR LOBBY CONSISTS OF 9 1/2" TJI 210 SERIES ENGINEERED JOISTS SPACED @ 16" O.C.
4. TYPICAL BALCONY FRAMING CONSISTS OF TREATED 2x10 JOISTS SPACED @ 16" O.C. (NOTE: GIRDER TRUSSES ARE REQUIRED AT EACH SIDE OF BALCONY UNITS)
5. TYPICAL FLOOR SHEATHING SHALL BE 3/4" T&G PLYWOOD GLUED W/ PL-400 OR EQUAL ADHESIVE W/ 10d NAILS @ 6" O.C. AT ALL SUPPORTED PANEL EDGES AND 12" O.C. IN FIELD ON PANELS.

WOOD STUD BEARING SCHEDULE	
AT END UNITS ONLY	
1ST FLOOR STUDS SUPPORTING 2ND, 3RD FLOOR & ROOF	DOUBLE 2x6 STUDS @ 16" O.C.
TYP. CORRIDOR WALL	
1ST FLOOR STUDS SUPPORTING 2ND, 3RD FLOOR & ROOF	DOUBLE 2x6 STUDS @ 16" O.C.
AT END UNITS ONLY	
2ND FLOOR STUDS SUPPORTING 3RD FLOOR & ROOF	2x6 STUDS @ 16" O.C.
TYP. CORRIDOR WALL	
2ND FLOOR STUDS SUPPORTING 3RD FLOOR & ROOF	2x6 STUDS @ 16" O.C.
AT END UNITS ONLY	
3RD FLOOR STUDS SUPPORTING ROOF	2x6 STUDS @ 16" O.C.
TYP. CORRIDOR WALL	
3RD FLOOR STUDS SUPPORTING ROOF	2x6 STUDS @ 16" O.C.
TYP. EXTERIOR WALLS (ALL LEVELS)	
	2x6 STUDS @ 16" O.C.

TOP & BOTTOM PLATE NOTES:
ALL STUD FRAMING FOR BEARING WALLS SHALL BE SPF #1/#2.
DOUBLE TOP PLATE & BOTTOM PLATES AT FIRST FLOOR SHALL BE DOUGLAS FIR OR HEM-FIR #2 OR BETTER GRADE.
DOUBLE TOP & BOTTOM PLATES AT 2ND & 3RD FLOOR SHALL BE SPF #1/#2.
ALL BOTTOM PLATES IN CONTACT W/ PRECAST OR MASONRY SHALL BE TREATED. WOOD PLATES SHALL BE FASTENED WITH 1/2" DIA. x 5" SIMPSON TITEN HD ANCHORS @ 48" O.C. MAX. SPACING

SHEAR WALL SCHEDULE	
REFER TO FLOOR PLANS FOR INTERIOR WALLS INDICATED AS 'SHEARWALLS'	
1ST FLOOR	8d NAILS SPACED @ 3" O.C. @ ALL PLYWOOD EDGES. 8d NAILS SPACED @ 6" O.C. MAX. UNLESS NOTED
2ND FLOOR	8d NAILS SPACED @ 4" O.C. @ ALL PLYWOOD EDGES. 8d NAILS SPACED @ 8" O.C. MAX. UNLESS NOTED
3RD FLOOR	8d NAILS SPACED @ 6" O.C. @ ALL PLYWOOD EDGES. 8d NAILS SPACED @ 12" O.C. MAX. UNLESS NOTED

SHEATHING NOTES:
ALL PLYWOOD OR OSB SHALL BE RATED STRUCTURAL SHEATHING 15/32 THICK. STRUCTURAL SHEATHING SHALL BE APPLIED DIRECTLY TO FRAMING STUDS. GYP. BOARD FINISHES SHALL BE APPLIED OVER THE STRUCTURAL SHEATHING.

HOLD DOWN & TENSION STRAP NOTES

ALL INTERIOR WALLS DESIGNATED AS SHEAR WALLS ON 1ST FLOOR REQUIRE SIMPSON HOLD-DOWNS AT EACH END OF WALL: HDUS W/ (14) 1/4" DIA. x 2 1/2" SDS SCREWS. END POSTS AT ANCHORS SHALL BE (2) 2x6 STUDS NAILED AS UNIT. SIMPSON HOLD-DOWN REQUIRES 5/8" DIA. THREADED ROD DRILLED THRU PRECAST PLANK WITH HEAVY PLATE WASHER & HEAVY NUT AT BOTTOM OF PLANK.

ALL INTERIOR WALLS DESIGNATED AS SHEAR WALLS ON 2ND & 3RD FLOORS REQUIRE SIMPSON TENSION STRAPS: CSH20 W/ (9) 8d NAILS AT EACH END OF STRAP. END POSTS AT STRAPS SHALL BE (2) 2x6+ STUDS NAILED AS UNIT.



PRINTING INSTRUCTION :
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• TDC IS NOT RESPONSIBLE FOR PRINTS NOT TO SCALE



1 SECOND FLOOR STRUCTURAL
SCALE: 1/8"=1'-0" (22" x 34")
SCALE: HALF SCALE (11" x 17")

I hereby certify that this plan, report or specification was prepared by me or under my direct supervision and that I am a duly licensed professional engineer under the laws of the State of Minnesota.
By: Bernard Stroh Date: 5/9/25
Bernard Stroh, P.E. MN REG. NO. 14269

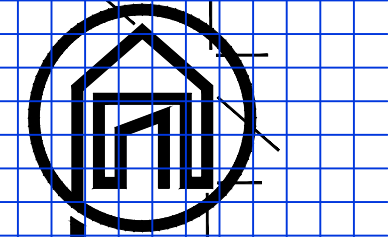


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I, Christopher L. Peterson, hereby certify that this plan, specification, and/or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

date: Sep 23, 2025 Reg. #40507



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FINAL
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4TH LANE FLATS
1401 4TH AVE LANE NE (504 16TH ST NE)
LOT 9 BLOCK 1 THOMPSON ADDITION
KASSON
MINNESOTA
KEY BUILDERS

PROJECT #: 20150
DRAWN BY: AJT / BMD
CHECKED BY: BS / CP
FINAL SET DATE: MAY 09, 2025
FOUNDATION UPDATE: JULY 21, 2025
RFI #: AUGUST 6, 2025
REVISION: SEPTEMBER 4, 2025
PERMIT REV: SEPTEMBER 12, 2025
PRINTED: Sep 23, 2025

SECOND LEVEL
STRUCTURAL FLOOR PLAN

S3.2

WOOD HEADER SCHEDULE			
MARK	SIZE	JACK STUD	KING STUD
H1	(2) 2x10	(2) 2x6	(1) 2x6
H2	(2) 1 3/4"x9 1/2" LVL	(3) 2x6	(2) 2x6
H3	(3) 1 3/4"x9 1/2" LVL	(3) 2x6	(2) 2x6
H4	(3) 2x10	(2) 2x6	(2) 2x6

TYPICAL FLOOR FRAMING NOTES:

1. TYPICAL FLOOR FRAMING AT APARTMENT UNITS CONSISTS OF 24" DEEP ENGINEERED WOOD TRUSSES SPACED @ 24" O.C.
2. TYPICAL FLOOR FRAMING AT CORRIDOR CONSISTS OF 2x10 JOISTS (SPF #1/#2) SPACED @ 16" O.C.
3. TYPICAL FLOOR FRAMING @ ELEVATOR LOBBY CONSISTS OF 9 1/2" TJI 210 SERIES ENGINEERED JOISTS SPACED @ 16" O.C.
4. TYPICAL BALCONY FRAMING CONSISTS OF TREATED 2x10 JOISTS SPACED @ 16" O.C. (NOTE: GIRDER TRUSSES ARE REQUIRED AT EACH SIDE OF BALCONY UNITS)
5. TYPICAL FLOOR SHEATHING SHALL BE 3/4" T&G PLYWOOD GLUED W/ PL-400 OR EQUAL ADHESIVE W/ 10d NAILS @ 6" O.C. AT ALL SUPPORTED PANEL EDGES AND 12" O.C. IN FIELD ON PANELS.

WOOD STUD BEARING SCHEDULE	
AT END UNITS ONLY	
1ST FLOOR STUDS SUPPORTING 2ND, 3RD FLOOR & ROOF	DOUBLE 2x6 STUDS @ 16" O.C.
TYP. CORRIDOR WALL	
1ST FLOOR STUDS SUPPORTING 2ND, 3RD FLOOR & ROOF	DOUBLE 2x6 STUDS @ 16" O.C.
AT END UNITS ONLY	
2ND FLOOR STUDS SUPPORTING 3RD FLOOR & ROOF	2x6 STUDS @ 16" O.C.
TYP. CORRIDOR WALL	
2ND FLOOR STUDS SUPPORTING 3RD FLOOR & ROOF	2x6 STUDS @ 16" O.C.
AT END UNITS ONLY	
3RD FLOOR STUDS SUPPORTING ROOF	2x6 STUDS @ 16" O.C.
TYP. CORRIDOR WALL	
3RD FLOOR STUDS SUPPORTING ROOF	2x6 STUDS @ 16" O.C.
TYP. EXTERIOR WALLS (ALL LEVELS)	
	2x6 STUDS @ 16" O.C.

TOP & BOTTOM PLATE NOTES:	
ALL STUD FRAMING FOR BEARING WALLS SHALL BE SPF #1/#2.	
DOUBLE TOP PLATE & BOTTOM PLATES AT FIRST FLOOR SHALL BE DOUGLAS FIR OR HEM-FIR #2 OR BETTER GRADE.	
DOUBLE TOP & BOTTOM PLATES AT 2ND & 3RD FLOOR SHALL BE SPF #1/#2.	
ALL BOTTOM PLATES IN CONTACT W/ PRECAST OR MASONRY SHALL BE TREATED. WOOD PLATES SHALL BE FASTENED WITH 1/2" DIA. x 5" SIMPSON TITEN HD ANCHORS @ 48" O.C. MAX. SPACING	

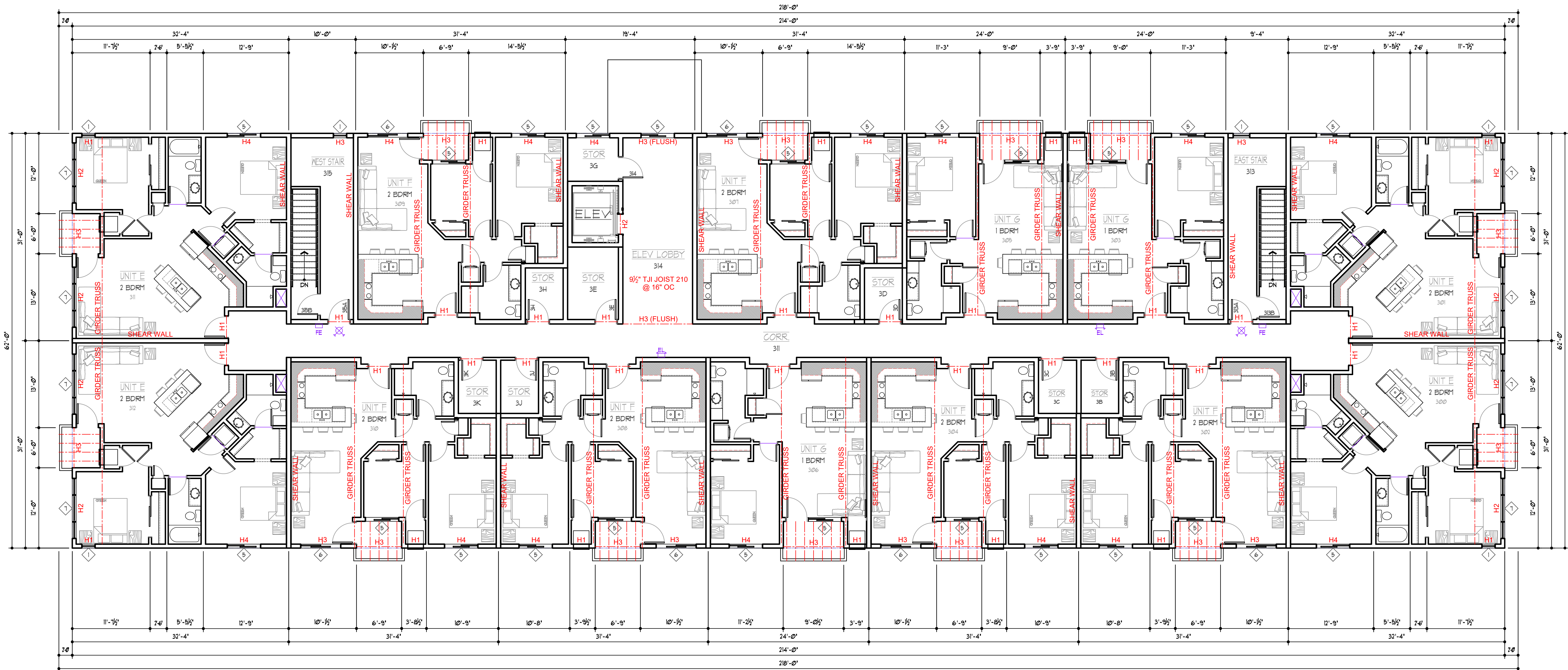
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1

THIRD FLOOR STRUCTURAL

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SCALE: HALF SCALE (11" x 17")

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By: *B. Stroh* Date: 5/9/25
Bernard Stroh, P.E. MN REG. NO. 14269

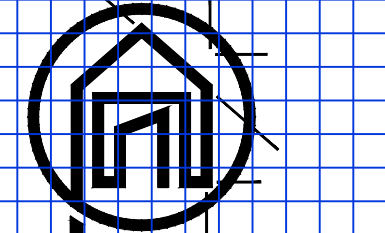


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THIRD LEVEL
STRUCTURAL FLOOR PLAN

S3.3