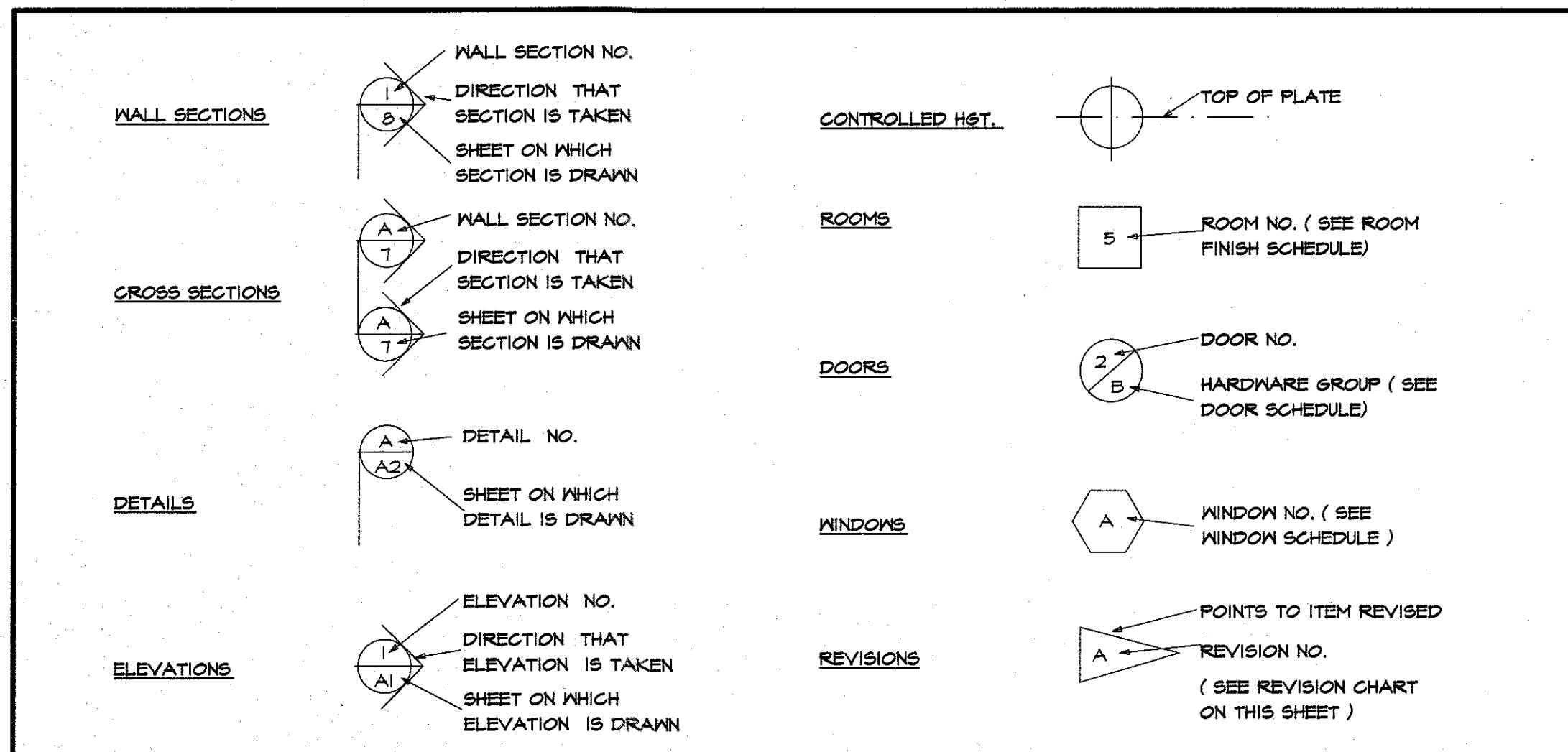


NOTES

- (1) BUILDING IS CLASSIFIED AS A ONE FAMILY DWELLING.
- (2) THE 2020 CODE SHALL PREVAIL AND BUILDING CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE REGARDLESS OF ANY MISSING OR INCOMPLETE DETAILS OR NOTES ON THE DRAWINGS.
- (3) THE 2020 ENERGY CONSERVATION CODE SHALL PREVAIL AND BUILDING CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE REGARDLESS OF ANY MISSING OR INCOMPLETE DETAILS OR NOTES ON THE DRAWINGS.
- (4) BUILDING CONTRACTOR AND HIS SUBCONTRACTORS SHALL CONFORM TO LOCAL CONSTRUCTION ORDINANCES AND SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH WORK.
- (5) ROOF TRUSS ENGINEERING AND SIZES DETERMINED BY AND ARE THE SOLE RESPONSIBILITY OF THE MANUFACTURER. (MFR)
- (6) NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- (7) THESE DRAWINGS HAVE BEEN PREPARED FOR DESIGN AND STRUCTURAL REFERENCE ONLY. ELECTRICAL, MECHANICAL, PLUMBING, AND OTHER BUILDING SYSTEMS IF ANY, ARE TO BE PREPARED BY AND ARE THE RESPONSIBILITY OF OTHERS.
- (8) BEARING CAPACITY OF SOIL IS ASSUMED AT 2000 P.S.F. AND CONTRACTOR SHALL VERIFY PRIOR TO PLACEMENT OF FOOTINGS.
- (9) ALLOWABLE STRESSES OF MATERIALS.
(THE WEATHERING POTENTIAL FOR CONCRETE IS ASSUMED TO BE SEVERE. SEE FIGURE R501.2(4))
 - A) CONCRETE (R402.2) - MIN. COMPRESSIVE STRENGTH @ 28 DAYS PSI =
 - FOOTINGS: 2500 PSI
 - BASEMENT SLAB: 2500 PSI (W/ FIBER REINF. ADDITIVE, OPTIONAL)
 - GARAGE & PORCH SLABS: 2500 PSI (AIR-ENTRAINED)
 - BASEMENT WALLS: 3000 PSI (AIR-ENTRAINED WHERE EXPOSED TO WEATHER)
 - B) POURED CONC. SHALL BE PROTECTED FROM FREEZE/THAW DURING CONSTRUCTION, OR AIR ENTRAINED CONC. MUST BE USED. (TABLE R402.2, NOTE 2)
 - C) STRUCTURAL STEEL TO BE ASTM - A36
 - D) WOOD JOISTS, BEAMS, HEADERS, AND RAFTERS SHALL HAVE AN EXTENSIVE FIBER STRESS IN BENDING (FB) WITH REPETITIVE MEMBER USE OF 1150 P.S.I. (DEM FIR #2 OR BETTER)
- (10) FIREPLACES SHALL HAVE AN OUTSIDE AIR SOURCE FOR COMBUSTION WITH A DUCT, DAMPER ETC. & SHALL COMPLY WITH CODE SECTION R1001-R1066 AS APPLICABLE.
- (11) SETTING THE BUILDING ELEVATION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL COMPLY WITH R403.1.7.5 OF THE CODE.
- (12) THE CONTRACTOR SHALL INSTALL 4" HIGH NUMBERS ON THE FRONT OF THIS BUILDING TO IDENTIFY THE SITE ADDRESS. (SEE SECTION R314)
- (13) GLAZING IN DOORS, STORM DOORS, SIDELIGHTS, SHOWER SPACES AND TUB ENCLOSURES IS DEEMED TO BE HAZARDOUS PER SECTION R308.4 OF THE 2020 CODE AND SHALL BE IDENTIFIED AS SUCH IN COMPLIANCE WITH SECTION R 508.1. DECORATIVE GLASS IS EXEMPT IN SWINGING DOORS AND SIDELIGHTS (SEE SECTION R308.4 FOR ADDITIONAL HAZARDOUS LOCATIONS).
- (14) DESIGN CRITERIA:
 - A) ROOMS OTHER THAN SLEEPING = 40 PSF LIVE LOAD
 - B) SLEEPING ROOMS = 30 PSF LIVE LOAD
 - C) GROUND SNOW LOAD = 40 PSF (R101.2(6))
 - D) WIND SPEED = 40 MPH, EXPOSURE B
 - E) SEISMIC DESIGN CATEGORY - A OR B - R301.2(2)
 - F) WEATHERING - SEVERE
 - G) FROST LINE DEPTH = 42"
 - H) TERMITE DAMAGE - CONTACT LOCAL JURISDICTION
 - I) DECAY DAMAGE - NONE TO SLIGHT
 - J) WINTER DESIGN TEMPERATURE = 0 DEGREE
 - K) ICE BARRIER IS REQUIRED
 - L) ROOF TIE-DOWN REQUIREMENTS - R502.1.1 (BASED UPON SPECIFIC ROOF DESIGN)
 - M) ENERGY COMPLIANCE DETAILS AND PATH - N101.15
- (15) FOOTINGS TO BEAR ON FIRM, LEVEL, UNDISTURBED NATURAL SOIL, FREE FROM FROST OR LOOSE MATERIAL
- (16) DRAWING ALTERATION:
THE FOLLOWING IS AN EXCERPT FROM THE N.Y.S. EDUCATION LAW ARTICLE 145, SECTION 1204 AND APPLIES TO THESE DRAWINGS. "IT IS A VIOLATION OF THIS LAW FOR ANY PERSON UNLESS HE/SHE IS ACTING UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR ARCHITECT IS ALTERED, THE ALTERING ENGINEER OR ARCHITECT SHALL AFFIX TO THE ITEM HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND THE DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION."
- (17) WHERE LOCAL EXHAUST OR WHOLE-HOUSE MECHANICAL VENTILATION IS PROVIDED, THE EQUIPMENT SHALL BE DESIGNED IN ACCORDANCE WITH SECTION M1507 OF THE CODE.
- (18) "CODE" SHALL MEAN THE 2020 RESIDENTIAL CODE OF NEW YORK STATE, "ENERGY CONSERVATION CODE" OR "ENERGY CODE" SHALL MEAN CHAPTER II OF THE CODE.
- (19) TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CODE.

SYMBOLS



ABBREVIATIONS

APPROX	-APPROXIMATE	FT (')	-FOOT	OPNG	-OPENING
&	-AND	FTS	-FOOTING	O/A	-OVERALL
@	-AT	FDN	-FOUNDATION	O.H.D	-OVERHEAD DOOR
BM	-BEAM	GYP	-GYPSUM	O/HANG	-OVERHANG
BLK	-BLOCK	HND'CP	-HANDICAP	O/	-OVER
BD	-BOARD	HST	-HEIGHT	OPT	-OPTIONAL
BLDG	-BUILDING	HM	-HOT WATER	P.D.R	-POWDER ROOM
BTR	-BETTER	HDR	-HEADER	PSF	-POUNDS PER SQ. FT.
CLG	-CEILING	IN (")	-INCH	PSI	-POUNDS PER SQ. IN.
CL	-CENTERLINE	INCL	-INCLUDE	P.T.	-PRESSURE TREATED
COL	-COLUMN	INFO	-INFORMATION	PLY'WD	-PLYWOOD
CONC	-CONCRETE	ID	-INSIDE DIAMETER	REQ'D	-REQUIRED
CONT	-CONTINUOUS	INSUL	-INSULATION	RM	-ROOM
COMM	-COMMERCIAL	INT	-INTERIOR	RES	-RESIDENTIAL
CRS	-COURSES	IECC	-INTERNATIONAL ENERGY CONSERVATION CODE	RS	-RISERS
DL	-DEAD LOAD	JT	-JOINT	RD & SH	-ROD & SHELF
DIA	-DIAMETER	JSTS	-JOISTS	S	-SOUTH
DBL	-DOUBLE	LT	-LIGHT	SKYLT	-SKYLIGHT
DN	-DOWN	LL	-LIVE LOAD	SH	-SHELF
DWS	-DRAWING	MFR	-MANUFACTURER	SHS	-SHELVES
DIM	-DIMENSION	MAX	-MAXIMUM	STOR	-STORAGE
ELEC	-ELECTRIC	MECH	-MECHANICAL	STL	-STEEL
EXP	-EXPANSION	MTL	-METAL	SUSP	-SUSPENDED
EXT	-EXTERIOR	MIN	-MINIMUM	SYN	-SYNTHETIC
FT (')	-FEET	MISC	-MISCELLANEOUS	TS	-TREADS
FIN	-FINISH	N	-NORTH	(TYP)	-TYPICAL
FLR	-FLOOR	NTS	-NOT TO SCALE	T&G	-TONGUE & GROOVE
FLUR	-FLUORESCENT	NO	-NUMBER	W	-WITH
				W/O	-WITHOUT

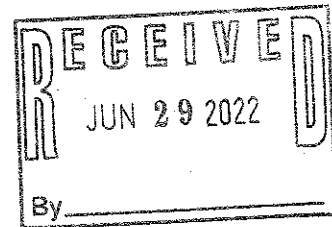
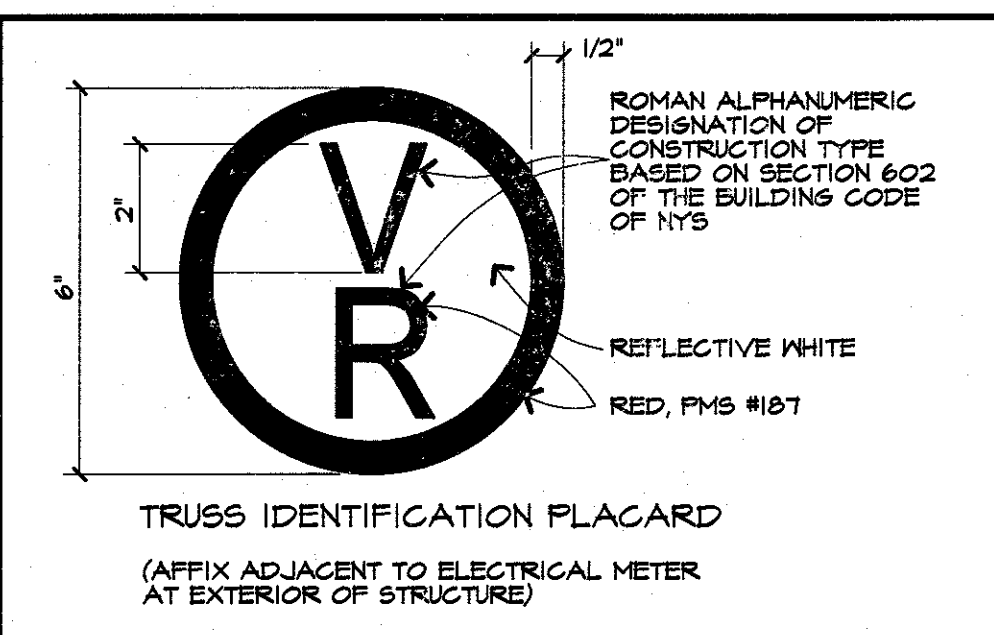
ENERGY CONSERVATION, CHAPTER II, ENERGY EFFICIENCY

1. A MINIMUM OF 90 PERCENT OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS PER SECTION N104
2. RECESSED LUMINARIES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES PER SECTION N102.4.3
3. CONTRACTOR TO PROVIDE A PROGRAMMABLE THERMOSTAT TO CONTROL THE HVAC SYSTEM PER SECTION N103.1.1
4. ALL DUCTS, AIR HANDLERS, FILTER BOXES SHALL BE SEALED PER SECTION N103.3.2.
5. ALL CIRCULATING SERVICE HOT WATER PIPING SHALL BE INSULATED TO AT LEAST R-3. CIRCULATING HOT WATER SYSTEMS SHALL INCLUDE AN AUTOMATIC OR READILY ACCESSIBLE MANUAL SWITCH THAT CAN TURN OFF THE HOT WATER CIRCULATING PUMP WHEN THE SYSTEM IS NOT IN USE. PER SECTION N103.5
6. ATTIC ACCESS SHALL BE INSULATED WITH THE SAME R-VALUE AS THE ATTIC, WEATHER-STRIPPED AND LATCHED PER SECTION N102.2.4
7. AIR TIGHTNESS AND INSULATION INSTALLATION SHALL BE PER MANUFACTURERS INSTRUCTIONS AND CRITERIA LISTED IN SECTIONS N102.4.1 THROUGH N102.4.6.
8. THE STRUCTURE SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE NOT EXCEEDING 3 AIR CHANGES PER HOUR, CONDUCT TEST ACCORDING TO ASTM E771 OR ASTM E1827 OR NET/CC 380 AND REPORTED AT A PRESSURE OF 0.2 INCH W.G. COMPLY WITH N102.4.1.2.
9. THE CONTRACTORS AND SUB-CONTRACTORS SHALL BE FAMILIAR WITH THE ENERGY CODE AND EXPERIENCED IN PERFORMING WORK THAT COMPLIES WITH ALL ASPECTS OF THE ENERGY CODE. THESE NOTES ARE NOT INTENDED TO BE ALL INCLUSIVE.

TABLE N1102.4.1.1 (402.4.1.1) AIR BARRIER AND INSULATION INSTALLATION

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed. The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	Air-permeable insulation shall not be used as a sealing material.
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed. Rim joists shall include the air barrier.	Rim joists shall be insulated.
Floors (including above garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing, and extends from the bottom to the top of all perimeter floor framing members.
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class 1 vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawl space walls.
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.	Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity space.
Narrow cavities	Air sealing shall be provided between the garage and conditioned spaces.	
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.	
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the subfloor or drywall.	
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.	

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-300



SCANNED

228-0453

RESIDENTIAL CARRIAGE HOUSE

1651 EMPIRE BLVD., PENFIELD, NY

SAM FANTAUZZO, HOMEOWNER

ENERGY CODE COMPLIANCE PATH:

THIS PROJECT IS DESIGNED TO COMPLY WITH THE "PRESCRIPTIVE" ENERGY CODE COMPLIANCE REQUIREMENTS. CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS AND COMPONENTS NECESSARY AND IN A MANNER TO COMPLY WITH THE "PRESCRIPTIVE" REQUIREMENTS SECTION N102 OF THE 2020 ENERGY CODE.

CLIMATE ZONE 5A MINIMUM R - MAXIMUM U VALUES FROM TABLE N102.1.2

FENESTRATION	MAX U VALUE = 0.30
SKYLIGHTS	MAX U VALUE = 0.35
CEILING	MIN R VALUE = 44
WOOD FRAMED WALLS	MIN R VALUE = 20
FLOOR	MIN R VALUE = 30
BASEMENT WALLS	MIN R VALUE = 15 (CONTINUOUS)

CLIMATE ZONE 5A EQUIVALENT U-FACTORS FROM TABLE N102.1.4

CEILING	U-FACTOR = .026 OR MIN R VALUE = 38
U-VALUE & R-VALUE CONVERSION (U=1/R) AND (R=1/U)	

N102.2.1 CEILING WITH ATTIC SPACES.
WHERE SECTION N102.1.2 WOULD REQUIRE R-44 INSULATION IN THE CEILING, INSTALLING R-30 OVER 100 PERCENT OF THE CEILING AREA REQUIRES INSULATION SHALL BE DEEMED TO SATISFY THE REQUIREMENT FOR R-44 INSULATION WHEREVER THE FULL HEIGHT OF UNCOMPRESSED R-30 INSULATION EXTENDS OVER THE WALL TOP PLATE AT EAVES. THIS REDUCTION SHALL NOT APPLY TO THE U-FACTOR ALTERNATIVE APPROACH IN SECTION N102.1.4 AND THE TOTAL UA ALTERNATIVE IN SECTION N102.1.5.

CARINI
ENGINEERING
DESIGNS, P.C.

STEVEN L. CARINI, P.E.

1387 FAIRPORT ROAD
SUITE #500
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Revision:

REVISE ADDRESS 5/20/22 - TJM

Project:

RESIDENTIAL CARRIAGE HOUSE

Client:

SAM FANTAUZZO

Job Location:

1651 EMPIRE BLVD., PENFIELD, NEW YORK

Drawing Title:

COVER SHEET & NOTES

Drawn: TDO

Checked By: SLC

Date: OCTOBER, 2021

Job No: 38543

Sheet: 1 of 8

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Revisions:

REVISE ADDRESS 5/20/22 - TJM

Project:

RESIDENTIAL
CARRIAGE HOUSE

Client:

SAM FANTAUZZO

Job Location:

1651 EMPIRE BLVD.
PENFIELD, NEW YORK

Drawing Title:

ELEVATIONS

Drawn:

TDO

Checked By:

SLC

Date:

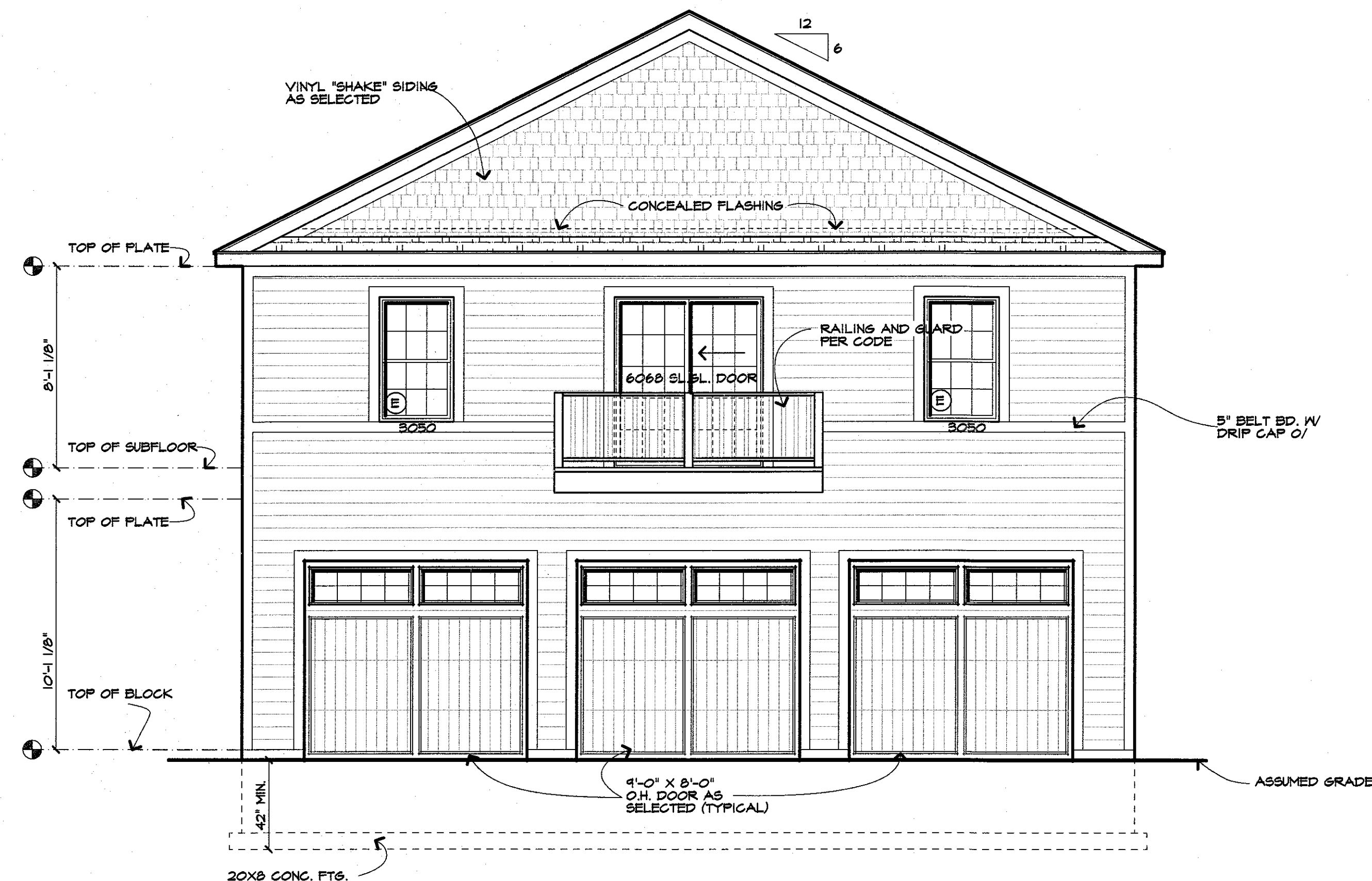
OCTOBER, 2021

Job No:

38543

Sheet:

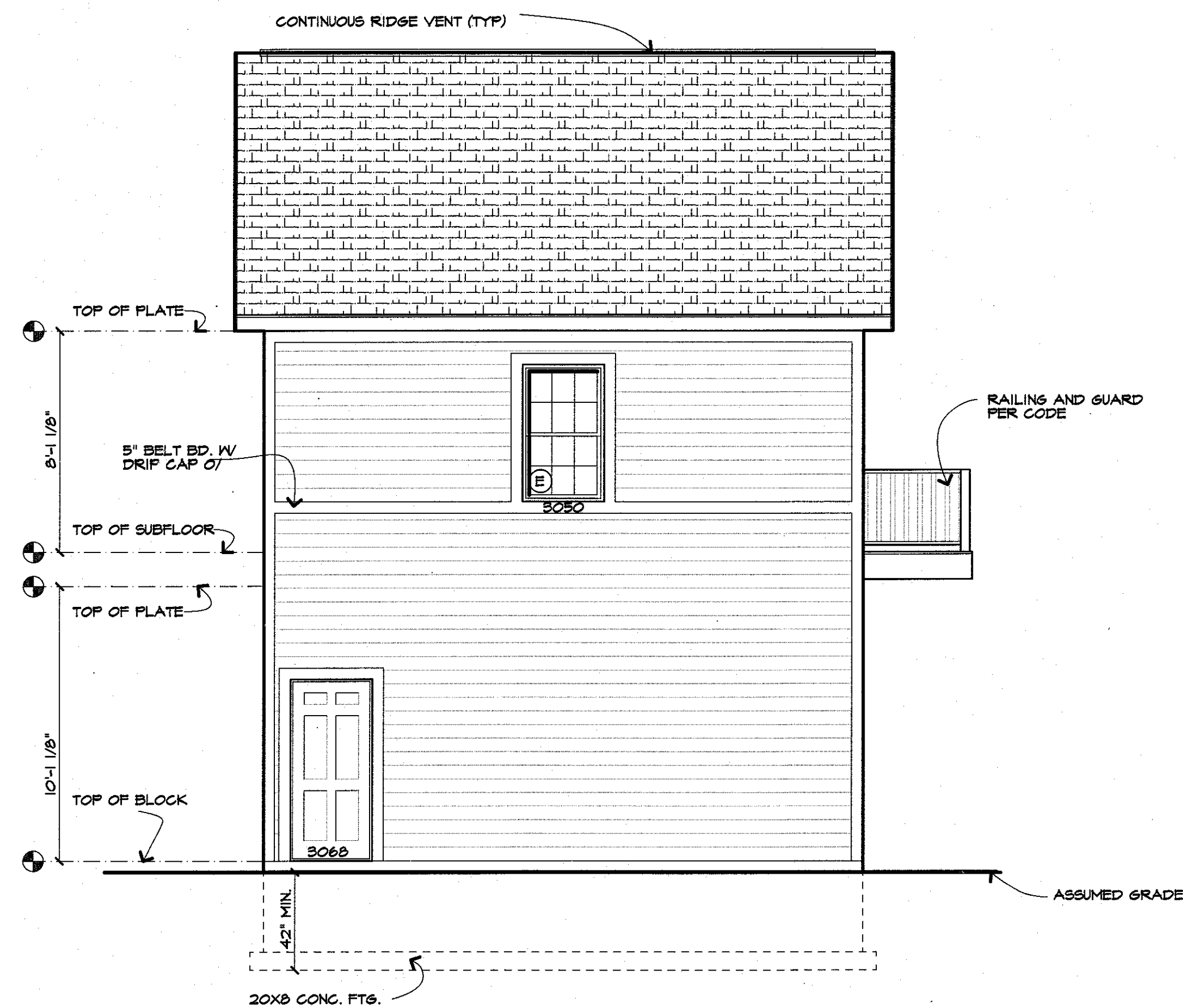
2 of 8



FRONT ELEVATION

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

TOTAL FLOOR AREA = 1547 SQ. FEET



LEFT SIDE ELEVATION

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

WINDOW SUPPLIER TO VERIFY WINDOW WILL MEET THE FOLLOWING CRITERIA:
CLEAR OPENING WIDTH SHALL BE 20" OR GREATER, CLEAR OPENING HEIGHT SHALL BE 24" OR GREATER, AND NET CLEAR OPENING SHALL BE 5.7 SQ. FT OR GREATER.
THE BOTTOM EDGE OF THE CLEAR OPENING SHALL BE NOT GREATER THAN 44" MEASURED FROM THE FLOOR.

UNLESS OTHERWISE NOTED

ROOFING: ASPHALT / FIBERGLASS SHINGLES AS SELTD
ROOF VENTING: ONE SQ.FT NET PER 300 SQ. FT. ATTIC SPACE (PER EXCEPTION IN R606.2 OF THE CODE)
FACIA: ALUM WRAP 2X6
FRIEZEBORDS: 6"
CORNERBOARDS: 6"
CASINGS: 6"
SIDING: VINYL AS SELTD
EAVE O/HANGS: 1'-0"
RAKE O/HANGS: 1'-0"
FOOTING DEPTH: 3'-6" BELOW GRADE
PLATE HEIGHT: 10'-1 1/8" FIRST FLOOR, 8'-1 1/8" SECOND FLOOR
WINDOW R.O. HEIGHT: 6'-10" ABV. TOP BLOCK
SECOND FLOOR: 6'-10 1/2" ABV. SUBFLOOR
WINDOW MFR: * ANDERSEN 200 TM * LOW E

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Revisions

REVISE ADDRESS 5/20/22 - TJM

Project

RESIDENTIAL
CARRIAGE HOUSE

Client

SAM FANTAUZZO

Job Location:

1651 EMPIRE BLVD.
PENFIELD, NEW YORK

Drawing Title:

ELEVATIONS

Drawn

TDO

Checked By

SLC

Date

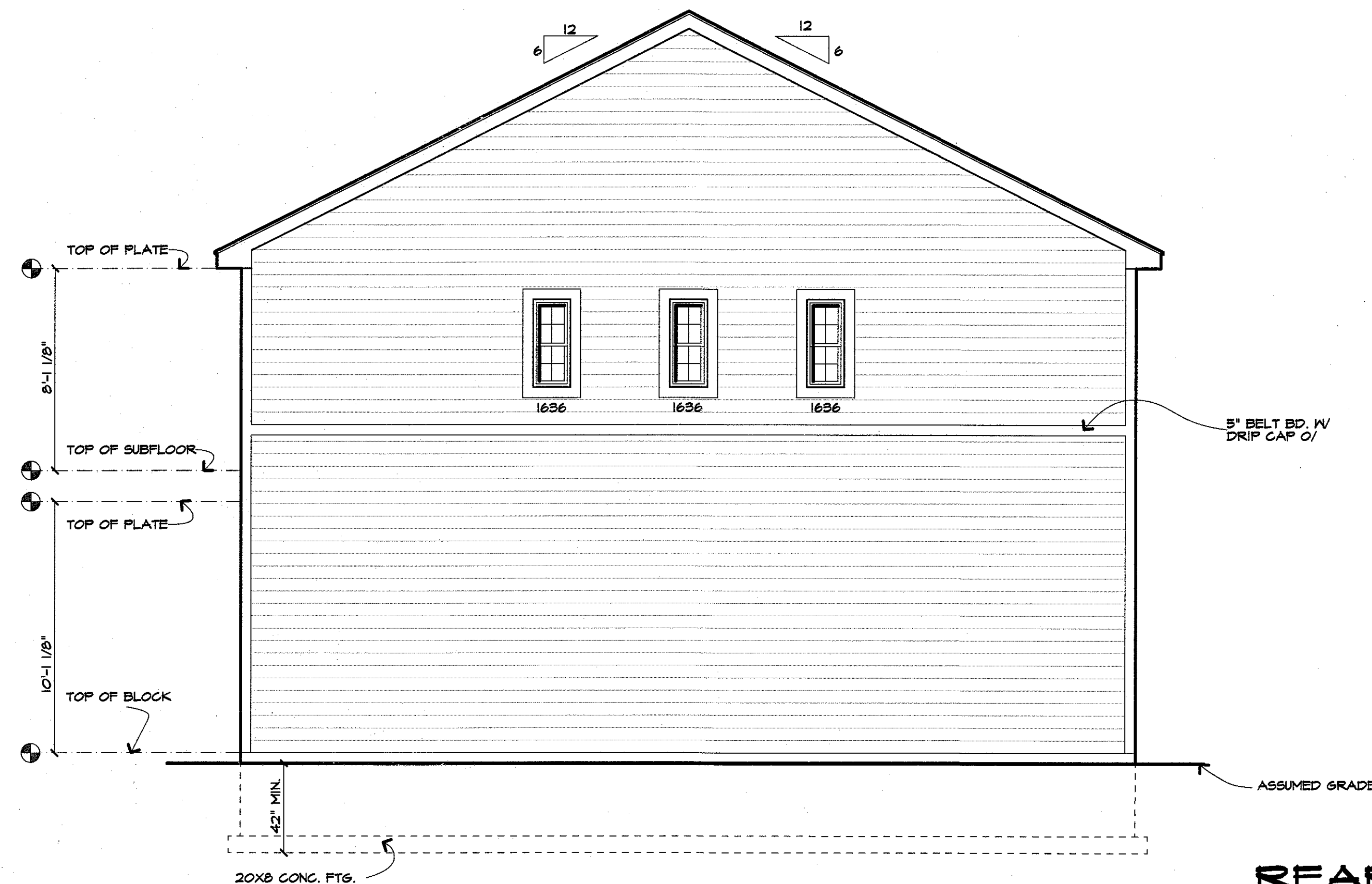
OCTOBER, 2021

Job No.

38543

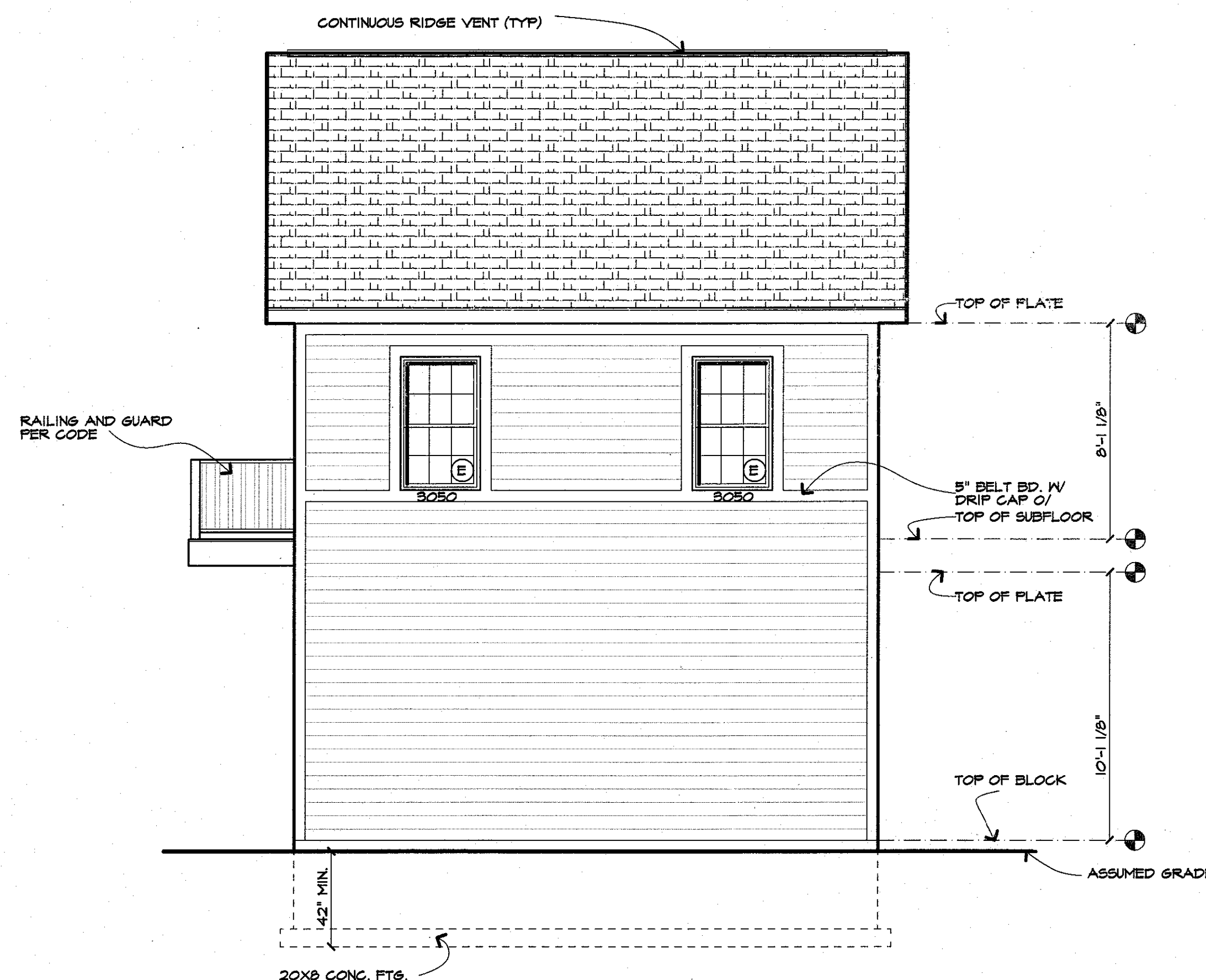
Sheet

3 of 8



REAR ELEVATION

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



RIGHT SIDE ELEVATION

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

WINDOW SUPPLIER TO VERIFY WINDOW WILL MEET THE FOLLOWING CRITERIA:
(E) CLEAR OPENING WIDTH SHALL BE 20" OR GREATER, CLEAR OPENING HEIGHT SHALL BE 24" OR GREATER, AND NET CLEAR OPENING SHALL BE 5.7 SQ. FT OR GREATER.
THE BOTTOM EDGE OF THE CLEAR OPENING SHALL BE NOT GREATER THAN 44" MEASURED FROM THE FLOOR

UNLESS OTHERWISE NOTED

ROOFING:	ASPHALT / FIBERGLASS SHINGLES AS SELTD
ROOF VENTING:	ONE SQ.FT NET PER 300 SQ. FT. ATTIC SPACE (PER EXCEPTION IN R806.2 OF THE CODE)
FACIA:	ALUM WRAP 2X6
FRIEZEBORDS:	6"
CORNERBOARDS:	6"
CASINGS:	6"
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RAKE O/HANSS:	1'-0"
FOOTING DEPTH:	3'-6" BELOW GRADE
PLATE HEIGHT:	
FIRST FLOOR:	10'-1 1/8"
SECOND FLOOR:	8'-1 1/8"
WINDOW R.O. HEIGHT:	
FIRST FLOOR:	6'-10" ABV. TOP BLOCK
SECOND FLOOR:	6'-10 1/2" ABV. SUBFLOOR
WINDOW MFR:	" ANDERSEN 200 TM " LOW E

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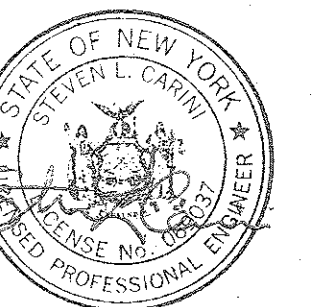
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ADVISE ADDRESS 5/20/22 - TJM

Subject:

RESIDENTIAL
MARRIAGE HOUSE

Content

SAM FANTAUZZO

b Location:

1651 EMPIRE BLVD.
PENFIELD, NEW YORK

Drawing Title:

ASSESSMENT PLAN

own

Checked By _____

te OCT

OCTOBER, 2021

3



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

OMIT BOTTOM PLATE AT DOOR OPENINGS. PROVIDE 1/2" DIA. A-BOLTS WITHIN 12" OF EACH SIDE OF OPENING.

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Revisions
REVISE ADDRESS 5/20/22 - T.J.M

Project
RESIDENTIAL
CARRIAGE HOUSE

Client
SAM FANTAUZZO

Job Location
1651 EMPIRE BLVD.
PENFIELD, NEW YORK

Drawing Title
FLOOR PLANS &
ELEVATIONS

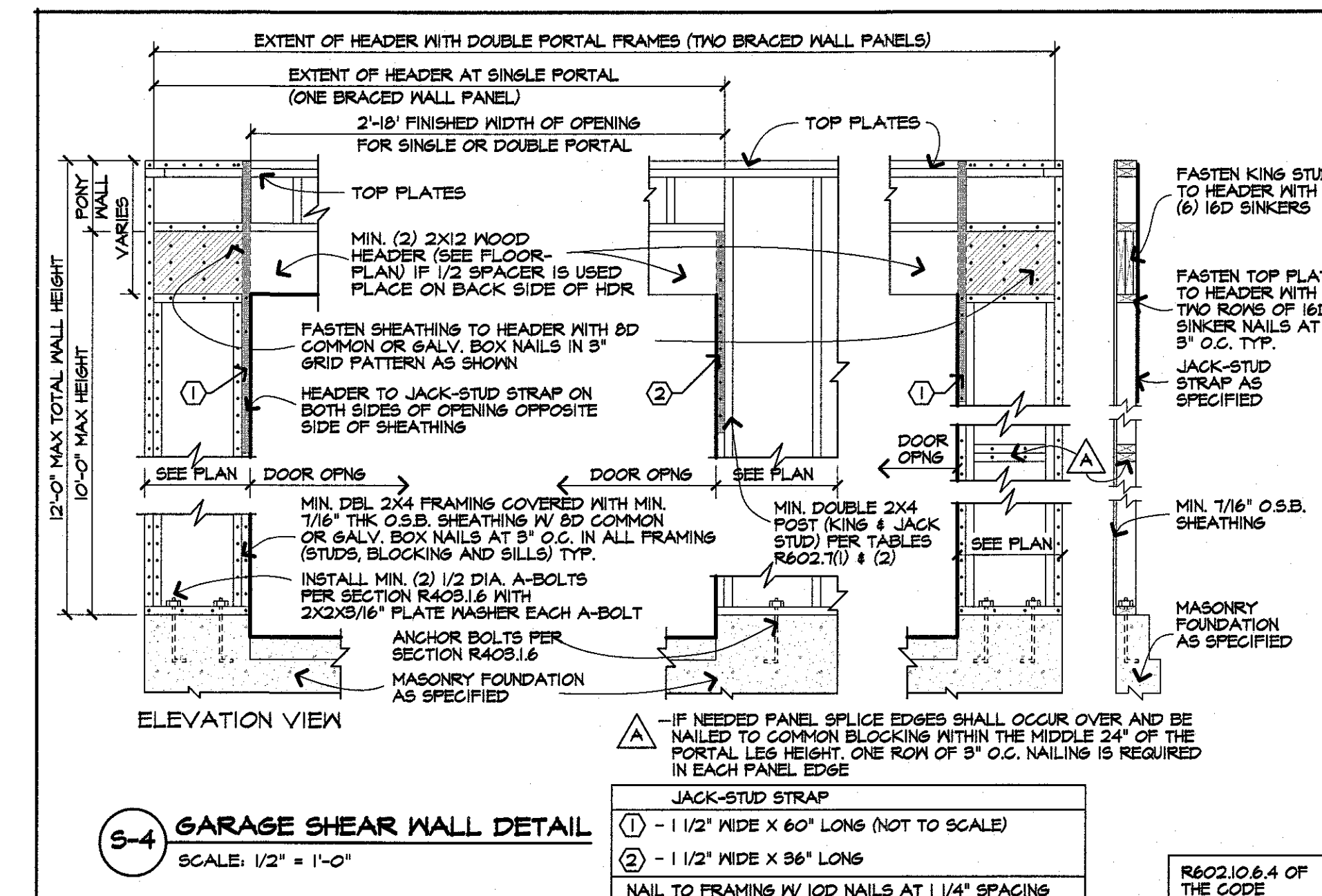
Drawn
TDO

Checked By
SLC

Date
OCTOBER, 2021

Job No.
38543

Sheet
5 of 8



CONTRACTOR SHALL INSTALL SMOKE, HEAT & CARBON MONOXIDE ALARM / DETECTOR TO COMPLY WITH SECTIONS R314 & R315 OF THE CODE AND 915 OF THE FIRE CODE.

⑤ : SMOKE DETECTOR
⑥ : HEAT DETECTOR
⑦ : CARBON MONOXIDE DETECTOR

R314.2 HEAT DETECTOR SHALL BE LOCATED CENTRALLY IN THE ATTACHED GARAGE.

R314.3 SMOKE DETECTOR LOCATION
SMOKE DETECTORS REQUIRED IN EVERY BEDROOM AND OUTSIDE EACH SEPARATE SLEEPING AREA AND AT LEAST ONE ON EACH STORY INCLUDING THE BASEMENT.

R314.4 INTERCONNECTION - EXCEPTION:
INTERCONNECTION OF SMOKE ALARMS IN EXISTING AREAS SHALL NOT BE REQUIRED WHERE ALTERATIONS OR REPAIRS DO NOT RESULT IN REMOVAL OF INTERIOR WALL OR CEILING FINISHES EXPOSING THE STRUCTURE UNLESS THERE IS AN ATTIC, CRAWL SPACE OR BASEMENT AVAILABLE THAT COULD PROVIDE ACCESS FOR INTERCONNECTION WITHOUT THE REMOVAL OF INTERIOR FINISHES.

R315.5 CARBON MONOXIDE ALARM LOCATIONS
OUTSIDE EA. SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS, WHERE A FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATHROOM, A CARBON MONOXIDE ALARM SHALL BE INSTALLED WITHIN THE BEDROOM.

R315.6 & 315.6.4 COMBINATION ALARMS; COMBINATION CARBON MONOXIDE AND SMOKE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE OR CARBON MONOXIDE ALARMS.

HEADER SCHEDULE UNLESS OTHERWISE NOTED		
OPENINGS	2X6 WALL	2X4 WALL
UP TO 5'-0"	(3) 2X6	(2) 2X6
6'-0"	(3) 2X10	(2) 2X10
7'-0"	(3) 2X10	(2) 2X10
8'-0"	(3) 2X12	(2) 2X12

NOTE:
PROVIDE (2) 1/2" PLYWOOD GUSSETS - 2X6 WALL.
PROVIDE (1) 1/2" PLYWOOD GUSSET-2X4 WALL.

WALL LEGEND

	-2X4 STUDS AT 16" O.C.
	-2X6 STUDS AT 16" O.C.
	PROVIDE (3) STUDS SOLID WHERE SHOWN

UNLESS OTHERWISE NOTED ON PLAN, FIRST FLOOR PLATE HEIGHT SHALL BE 10'-1 1/8" ABOVE TOP BLOCK ELEV-0'-0"

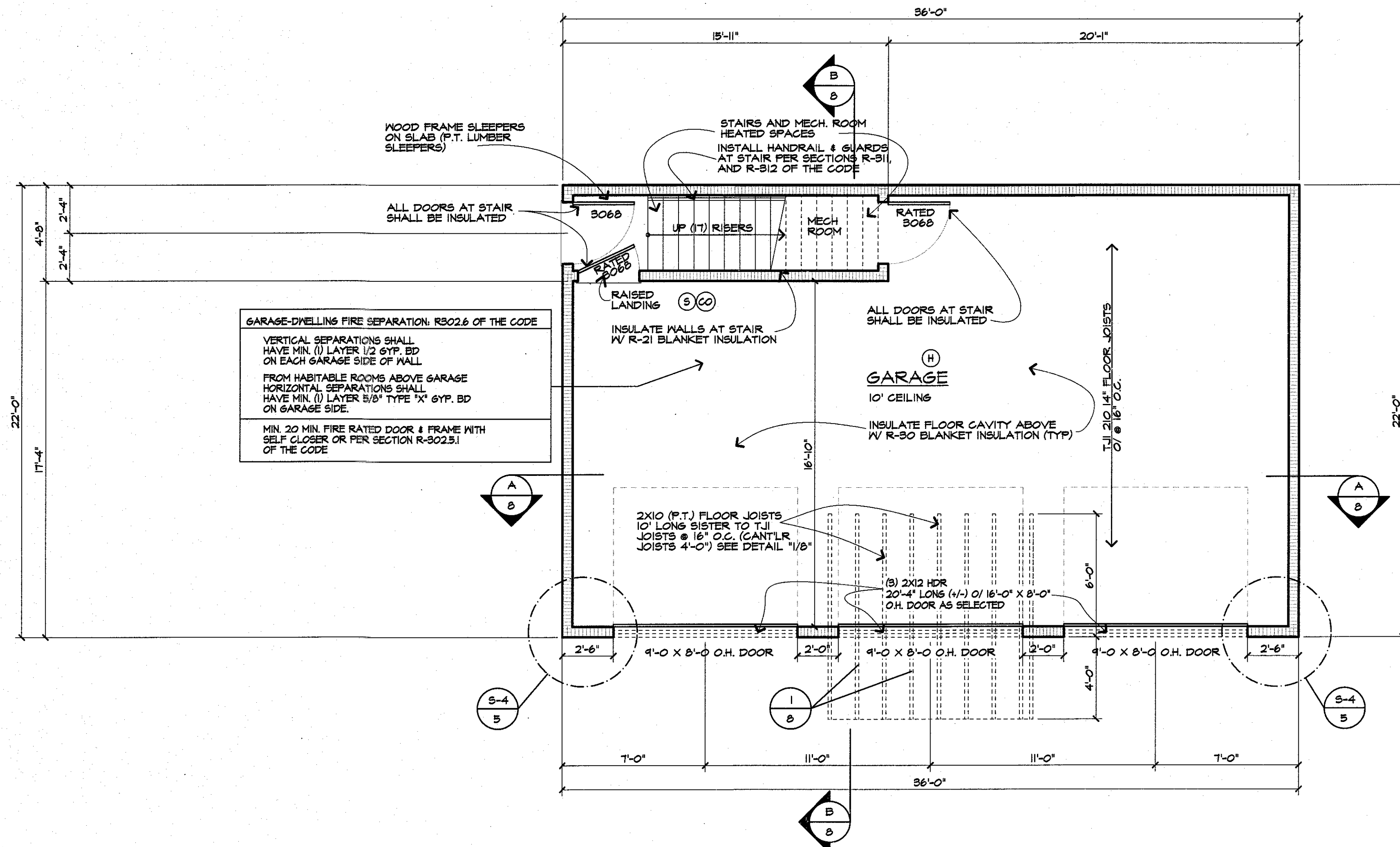
CONTRACTOR SHALL INSTALL SMOKE, HEAT AND CARBON MONOXIDE DETECTORS TO COMPLY WITH CURRENT NYS CODES

INSTALL HANDRAIL & GUARDS
AT STAIR PER SECTIONS R311.7.8-R311.12.2 AND R-312 OF THE CODE

LVL AND TJI PRODUCTS, ACCESSORIES, AND CONNECTION DETAILS SHALL CONFORM TO MFR SPECIFICATIONS, AND PRODUCT LITERATURE. (DESIGN "E" = 2,000,000)

6 1/4" MAX STEP AT EGRESS DOOR(S) ON THE EXTERIOR SIDE FROM THE THRESHOLD TO THE LANDING OR FLOOR PROVIDED THE DOOR DOES NOT SWING OVER THE LANDING OR FLOOR PER EXCEPTION SECTION R311.5.1 OF THE CODE & 7 5/8" MAX STEP FROM THRESHOLD TO THE LANDING OR FLOOR ON ALL OTHER EXTERIOR DOORS PER SECTION R311.5.2 OF THE CODE

PER R312 WINDOW FALL PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS R312.2.1 AND R312.2.2, WINDOW MANUFACTURER/SUPPLIER & CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMITY



FIRST FLOOR PLAN

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

FLOOR AREA = 742 SQ. FEET

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These plans comply with the 2020 code.

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Revisions:

REVISE ADDRESS 5/20/22 - TJM

Project:
RESIDENTIAL
CARRIAGE HOUSE

Client:
SAM FANTAUZZO

Job Location:
1651 EMPIRE BLVD.
PENFIELD, NEW YORK

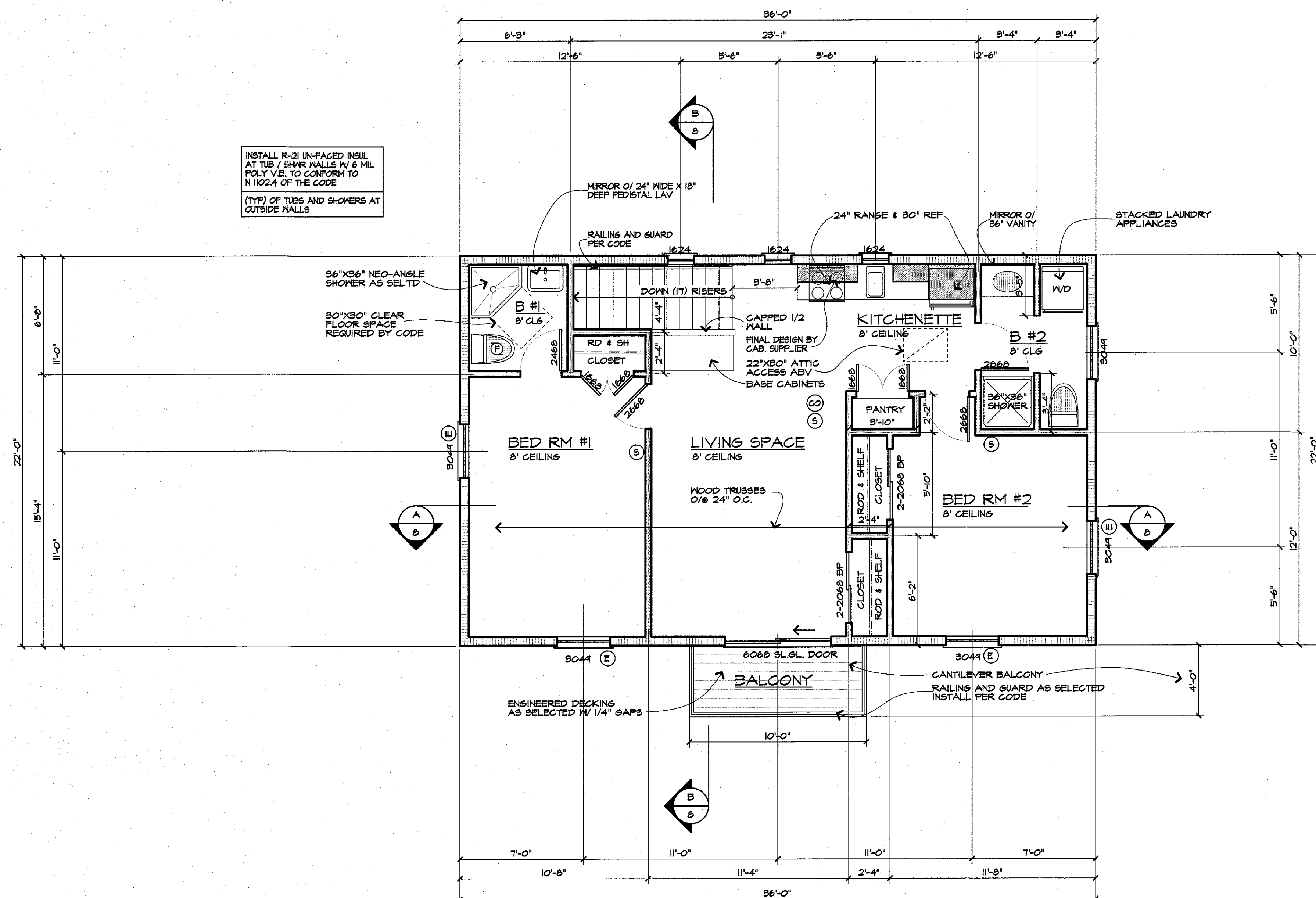
Drawing Title:
SECOND FLOOR PLAN

Drawn: TDO
Checked By: SLC

Date: OCTOBER, 2021

Job No: 38543

Sheet: 6 of 8



SECOND FLOOR PLAN

SCALE: 1/4" = 1'-0"
FLOOR AREA = 755 SQ. FEET

NOTICE:
INSULATE FLOOR CAVITY BELOW SECOND FLOOR WITH R-50 INSULATION (TYPICAL)

NOTE:
THIS PROJECT IS DESIGNED AS A RESIDENTIAL CARRIAGE HOUSE AND CONFORMS TO THE 2020 RESIDENTIAL BUILDING CODE.

HEADER SCHEDULE UNLESS OTHERWISE NOTED		
OPENING	2X6 WALL	2X4 WALL
UP TO 5'-0"	(3) 2X6	(2) 2X6
6'-0"	(3) 2X6	(2) 2X6
7'-0"	(3) 2X6	(2) 2X6
8'-0"	(3) 2X6	(2) 2X6
NOTE: PROVIDE (2) 1/2" FLYING GUSSETS - 2X6 WALL PROVIDE (1) 1/2" FLYING GUSSET-2X4 WALL		
WALL LEGEND		
	-2X4 STUDS AT 16" O.C.	
	-2X6 STUDS AT 16" O.C.	
	■ - PROVIDE (3) STUDS SOLID WHERE SHOWN	

- CONTRACTOR SHALL INSTALL SMOKE, HEAT & CARBON MONOXIDE ALARM / DETECTOR TO COMPLY WITH SECTIONS RS14 & RS15 OF THE CODE AND 415 OF THE FIRE CODE.
- (S) : SMOKE DETECTOR
- (CO) : CARBON MONOXIDE DETECTOR

RS14.2 HEAT DETECTOR SHALL BE LOCATED CENTRALLY IN THE ATTACHED GARAGE.

RS14.3 SMOKE DETECTOR LOCATION
SMOKE DETECTORS REQUIRED IN EVERY BEDROOM AND OUTSIDE EACH SEPARATE SLEEPING AREA AND AT LEAST ONE ON EACH STORY INCLUDING THE BASEMENT.

RS14.4 INTERCONNECTION - EXCEPTION:
INTERCONNECTION OF SMOKE ALARMS IN EXISTING AREAS SHALL NOT BE REQUIRED WHERE ALTERATIONS OR REPAIRS DO NOT RESULT IN REMOVAL OF INTERIOR WALL OR CEILING FINISHES EXPOSING THE STRUCTURE UNLESS THERE IS AN ATTIC, CRAWL SPACE OR BASEMENT AVAILABLE THAT COULD PROVIDE ACCESS FOR INTERCONNECTION WITHOUT THE REMOVAL OF INTERIOR FINISHES

RS15.3 CARBON MONOXIDE ALARM LOCATIONS
OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS, WHERE A FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATHROOM, A CARBON MONOXIDE ALARM SHALL BE INSTALLED WITHIN THE BEDROOM

RS15.4 & RS15.6.4 COMBINATION ALARMS, COMBINATION CARBON MONOXIDE AND SMOKE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE OR CARBON MONOXIDE ALARMS.

(F) DENOTES 50 CFM EXHAUST FAN
DUCTED TO EXTERIOR PER SECTION M102-M107 CHAPTER 15 OF THE CODE

(E) WINDOW SUPPLIER TO VERIFY WINDOW
WILL MEET THE FOLLOWING CRITERIA:
CLEAR OPENING WIDTH SHALL BE 20"
OR GREATER, CLEAR OPENING HEIGHT
SHALL BE 24" OR GREATER, AND NET
CLEAR OPENING SHALL BE 5.7 SQ. FT
OR GREATER.
THE BOTTOM EDGE OF THE CLEAR
OPENING SHALL BE NOT GREATER
THAN 44" MEASURED FROM THE FLOOR

- UNLESS OTHERWISE NOTED ON PLAN, SECOND FLOOR PLATE HEIGHT SHALL BE 8'-1 1/8" ABOVE TOP OF SUBFLOOR.
- DOUBLE FLOOR JOISTS UNDER ALL PARALLEL WALLS 48" OR LONGER
- CONTRACTOR SHALL INSTALL SMOKE, HEAT AND CARBON MONOXIDE DETECTORS TO COMPLY WITH CURRENT NYS CODES
- ALL EXTERIOR FLOOR CANTILEVERS SHALL RECEIVE 1/2" DURAPLY (OR EQUAL) FINISH AT UNDERSIDE, FULL DEPTH RIM JOIST, AND SOLID BLOCKING AT SUPPORT WALL.
- INSTALL MID-SPAN CROSS BRIDGING AT FLOOR JOIST SPANS UP TO 14'-0" & INSTALL CROSS BRIDGING AT 1/3 POINTS FOR SPANS OVER 14'-0"
- INSTALL HANDRAIL & GUARDS AT STAIR PER SECTIONS RS11.1.3-RS11.12.2 AND R-912 OF THE CODE
- L.V.L. AND T.J. PRODUCTS, ACCESSORIES, AND CONNECTION DETAILS SHALL CONFORM TO MFR SPECIFICATIONS, AND PRODUCT LITERATURE. (DESIGN "E" = 2,000,000)
- 8 1/4" MAX STEP AT EGRESS DOOR(S) ON THE EXTERIOR SIDE FROM THE THRESHOLD TO THE LANDING OR FLOOR PROVIDED THE DOOR DOES NOT SWING OVER THE LANDING OR FLOOR PER EXCEPTION SECTION RS15.1 OF THE IRC & 1 3/4" MAX STEP FROM THRESHOLD TO THE LANDING OR FLOOR ON ALL OTHER EXTERIOR DOORS PER SECTION RS15.2 OF THE CODE
- PER RS12 WINDOW FALL PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS RS12.2.1 AND RS12.2.2. WINDOW MANUFACTURER/SUPPLIER & CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMITY

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Revisions

REVISE ADDRESS 5/20/22 - T.M

Project

RESIDENTIAL
CARRIAGE HOUSE

Client

SAM FANTAUZZO

Job Location

1651 EMPIRE BLVD.
PENFIELD, NEW YORK

Drawing Title

ROOF FRAMING PLAN

Drawn

TDO

Checked By

SLC

Date

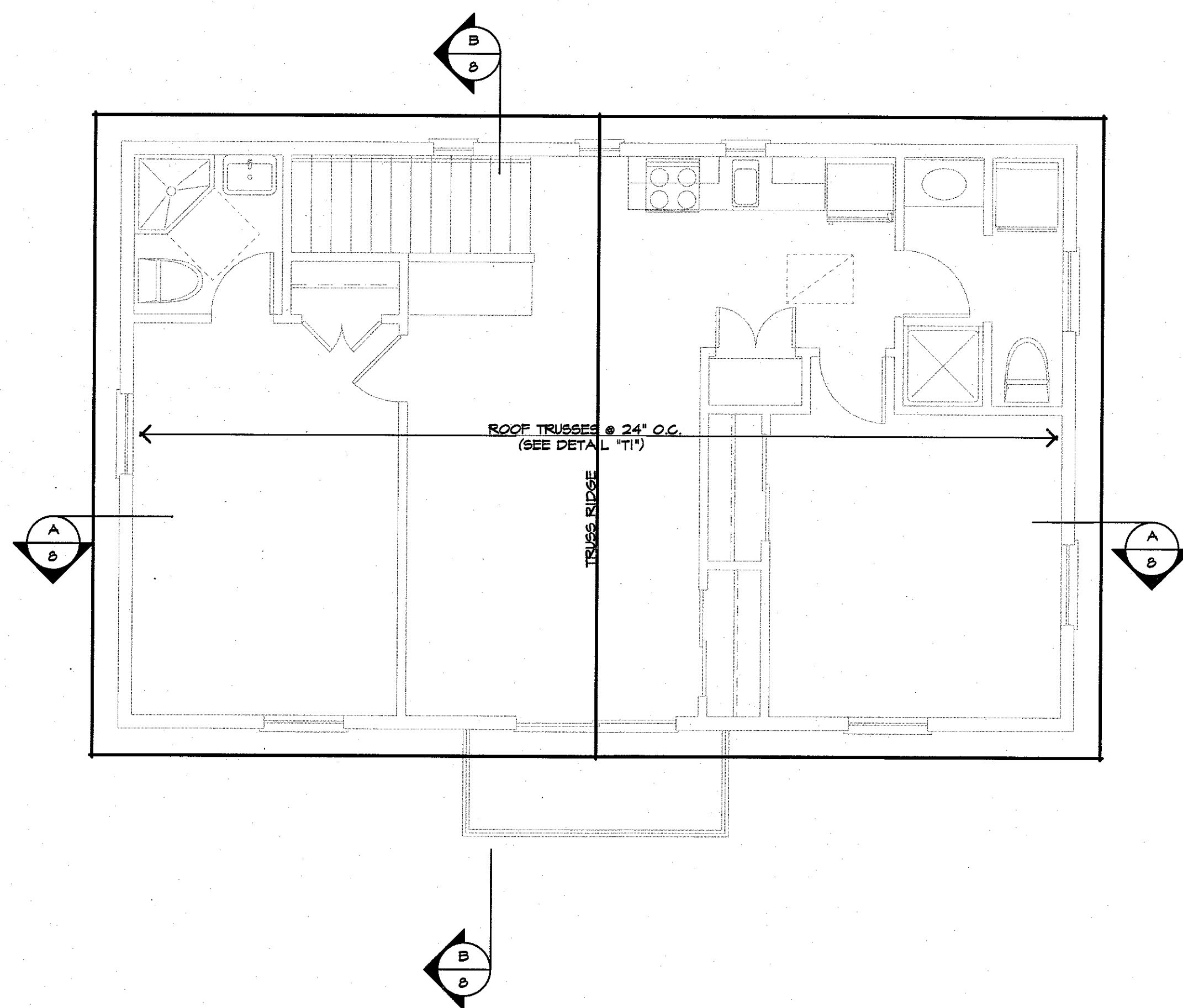
OCTOBER, 2021

Job No.

38543

Sheet

7 of 8

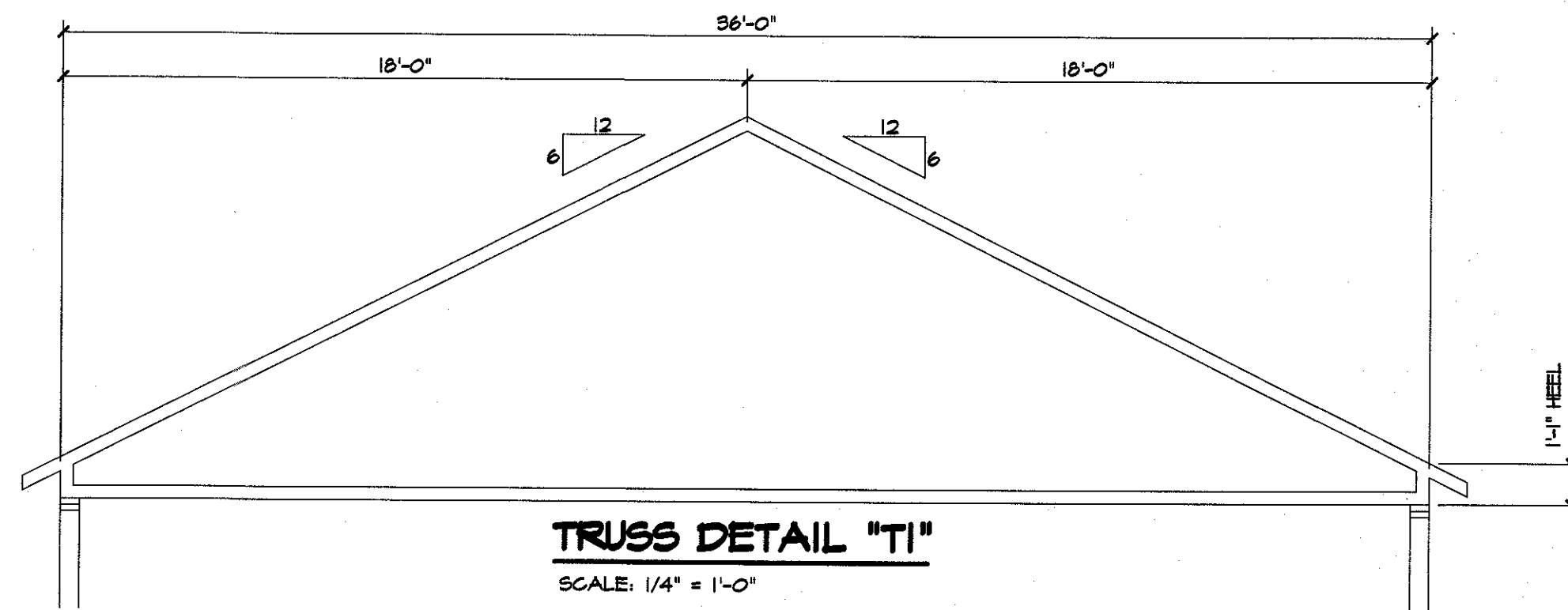


ROOF FRAMING PLAN

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

"SIMPSON" H2.5A AT EVERY TRUSS / TOP PLATE CONNECTION

"SIMPSON" L6T 2, OR 3 OR 4 FOR 2 OR 3 OR 4 PLY GIRDER TRUSSES



TRUSS DETAIL "T1"

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

UNLESS NOTED OTHERWISE

EAVE OVERHANGS SHALL BE 1'-0"

RAKE OVERHANGS SHALL BE 1'-0"

TRUSS LAYOUT, DESIGN, AND ENGINEERING
TO BE PROVIDED BY TRUSS MFR

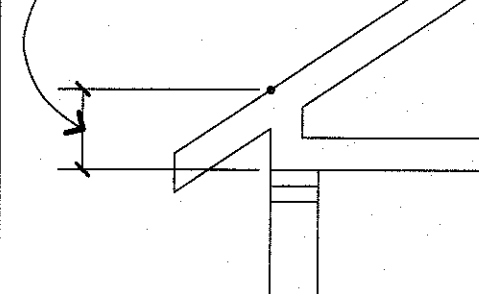
WOOD TRUSSES SHALL CONFORM TO R202.10
OF THE CODE

INSTALL ICE BARRIER ON ROOF TO
COMPLY WITH SECTION R405.1.2 OF THE CODE

NOTICE:

TRUSS SUPPLIER SHALL VERIFY
ALL TRUSS DIMENSIONS WITH FLOOR
PLAN, ROOF PLAN AND TRUSS DETAILS
AND SHALL REPORT ANY ERRORS OR
OMISSIONS TO THE ENGINEER PRIOR
TO MANUFACTURE

SEE TRUSS DETAILS
FOR HEEL HEIGHT



HEEL DETAIL • TRUSS

NO SCALE

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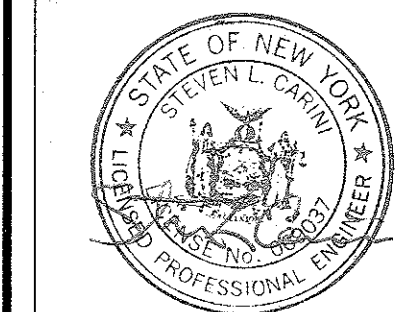
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Revisions

REVISE ADDRESS 5/20/22 - TJM

Project

RESIDENTIAL CARRIAGE HOUSE

Client

SAM FANTAUZZO

Job Location

1651 EMPIRE BLVD, PENFIELD, NEW YORK

Drawing Title

SECTIONS

Drawn

TDO

Date

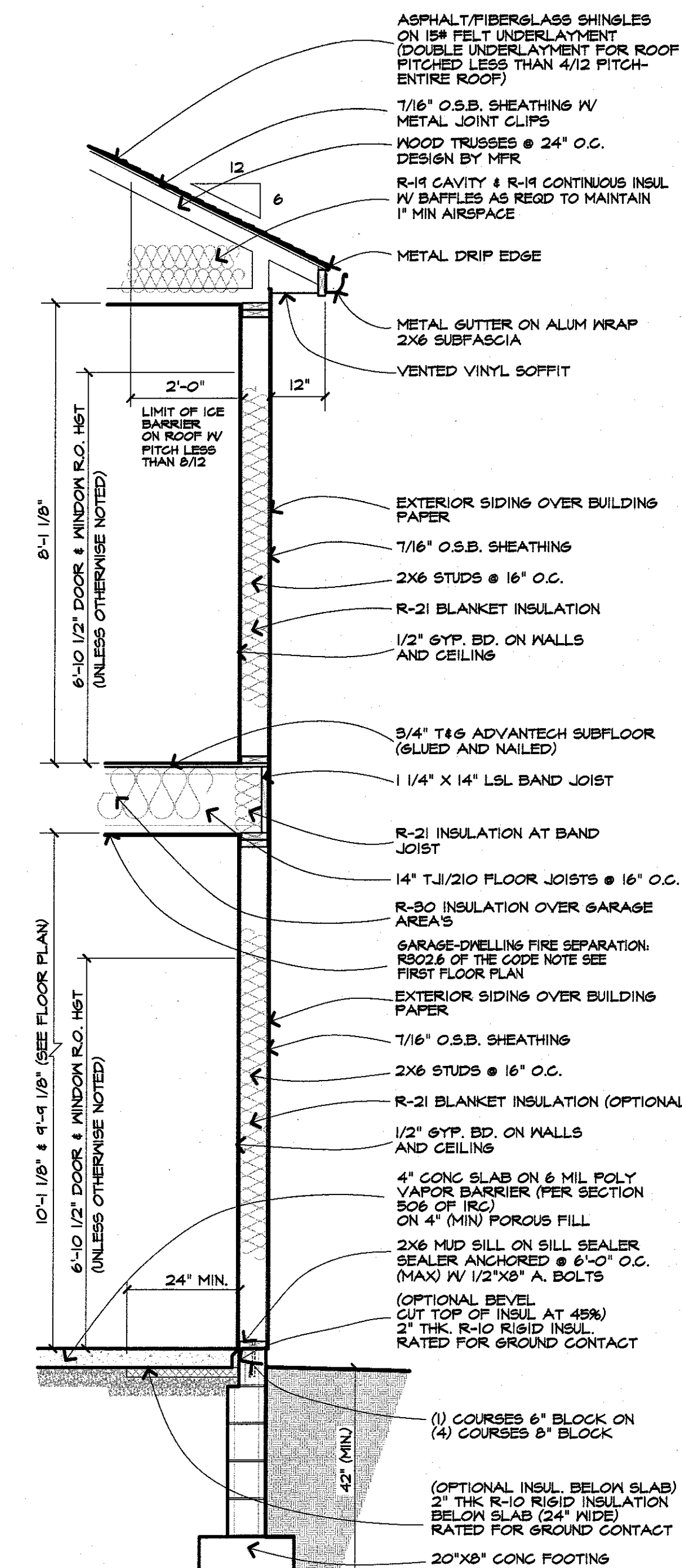
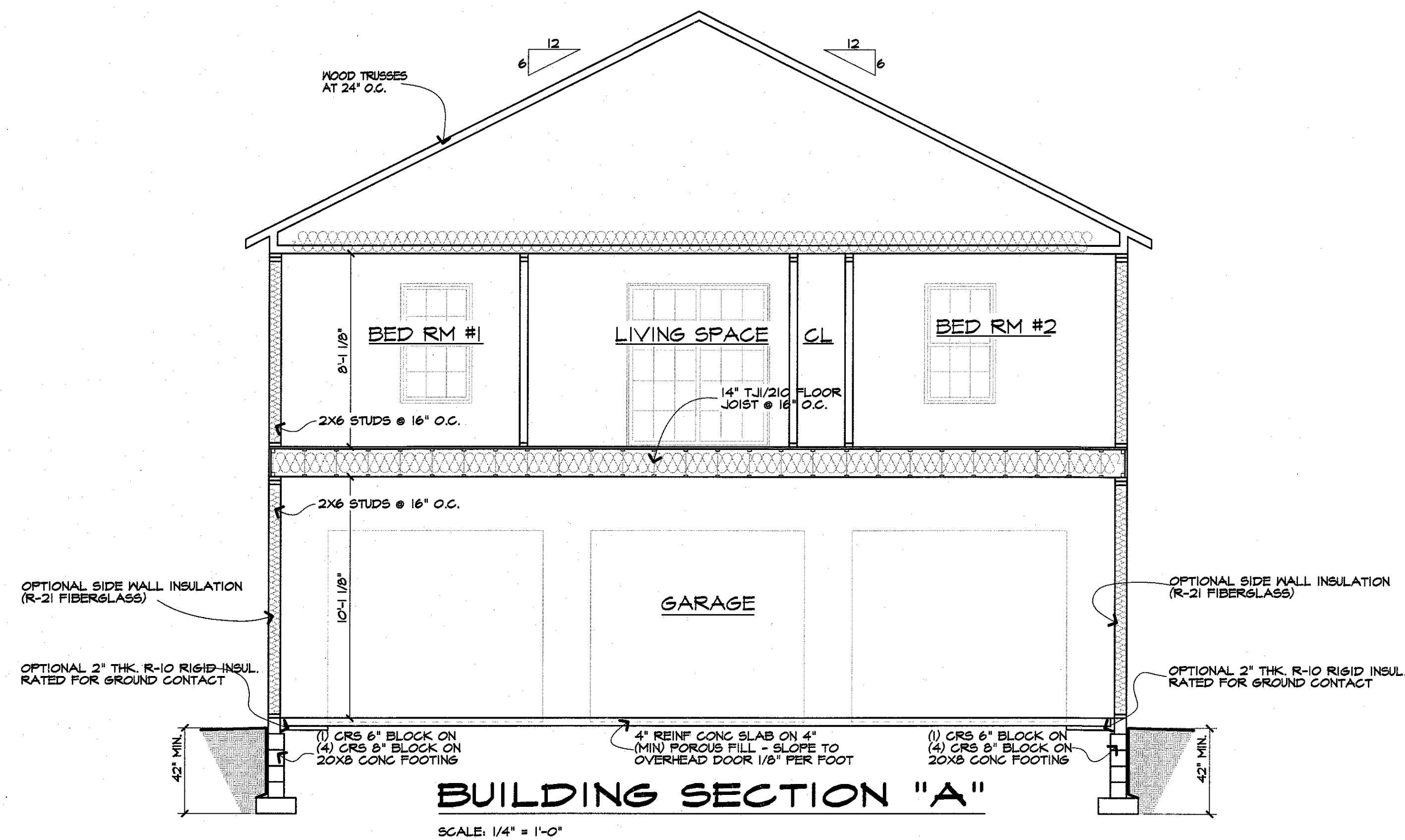
OCTOBER, 2021

Job No.

38543

Sheet

8 of 8



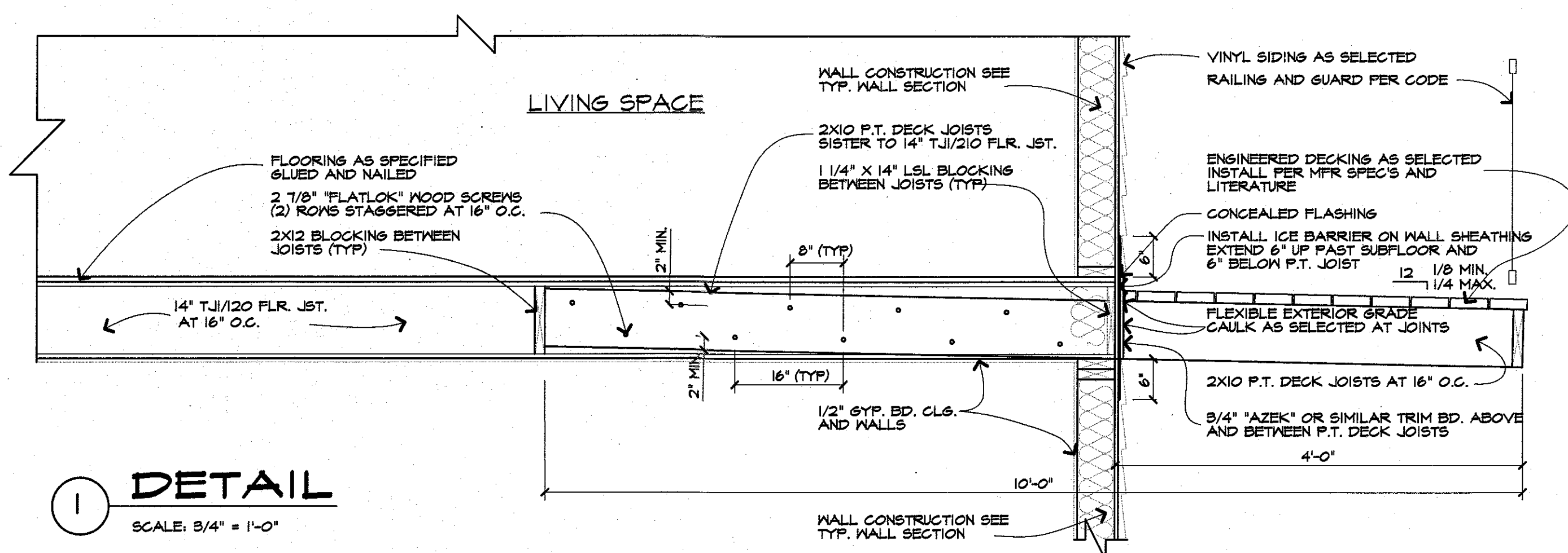
TYPICAL WALL SECTION

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

OMIT BOTTOM PLATE AT DOOR OPENINGS. PROVIDE 1/2" DIA. A-BOLTS WITHIN 12" OF EACH SIDE OF OPENING.

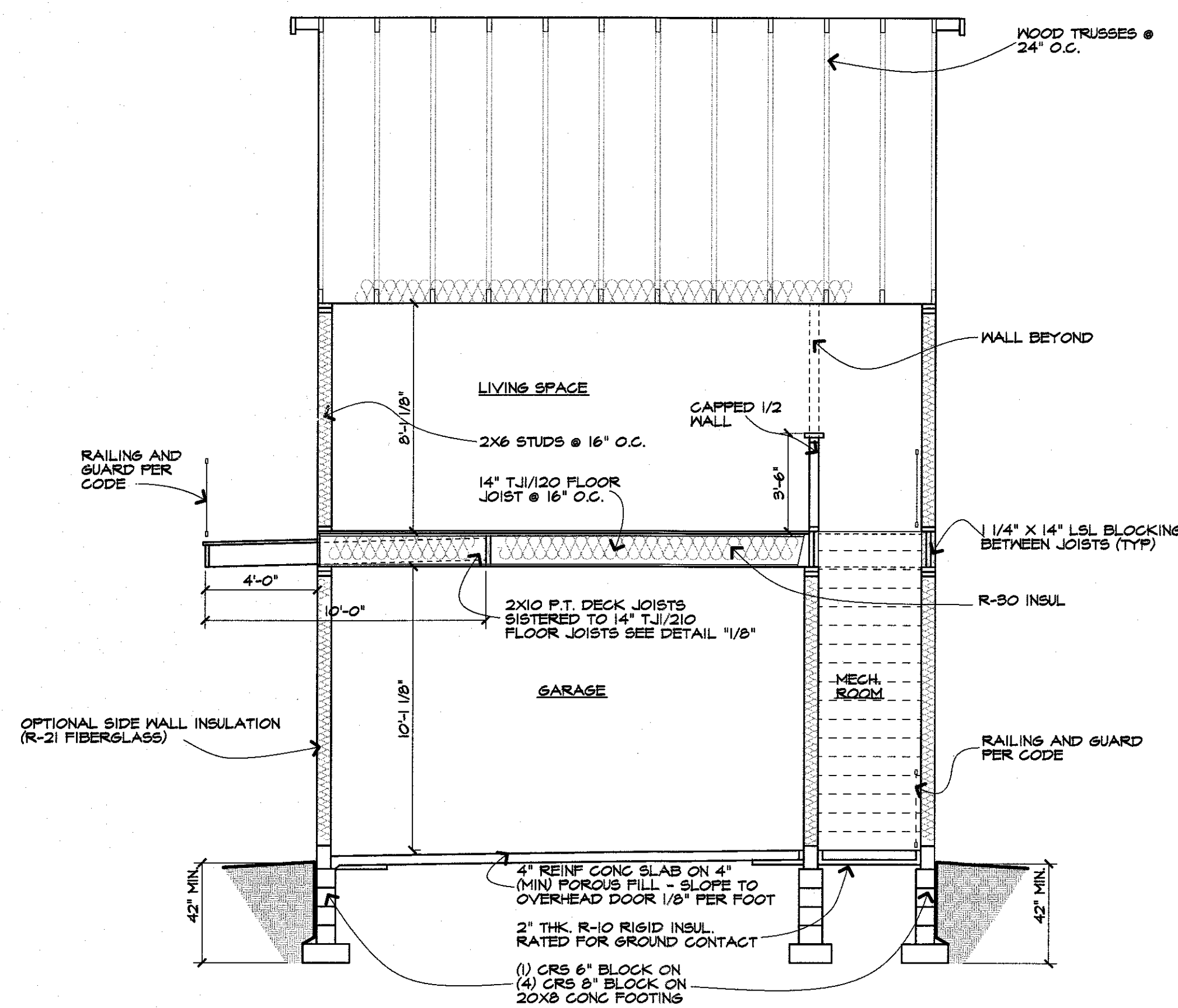
"SIMPSON" H2.5A AT EVERY TRUSS / TOP PLATE CONNECTION

"SIMPSON" LST 2, OR 3 OR 4 FOR 2 OR 3 OR 4 PLY GIRDER TRUSSES



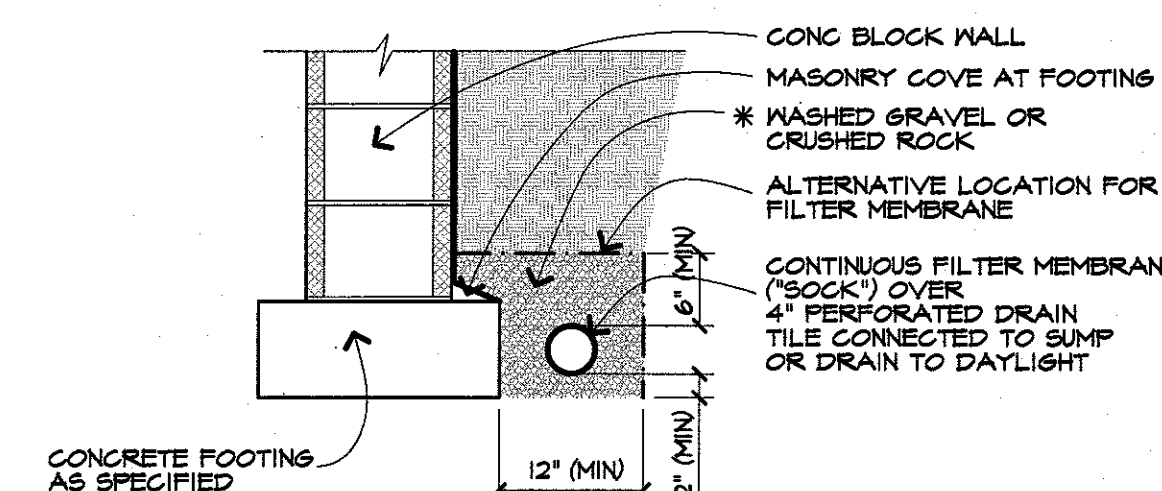
DETAIL 1

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



BUILDING SECTION "B"

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



DRAIN TILE DETAIL

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

* WASHED GRAVEL OR CRUSHED ROCK SHALL NOT BE LESS THAN ONE SIEVE SIZE LARGER THAN THE TILE JOINT OPENING OR PERFORATION.

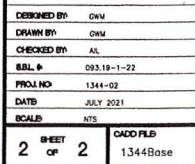


Page 1 of 3

- Page 2 of 5

- Page 3 of 4

- Page 4 of 5



June 24, 2021

Mark R. Hilt 7/9/21
ENGINEERING AND PLANNING DATE

Page 5 of 5