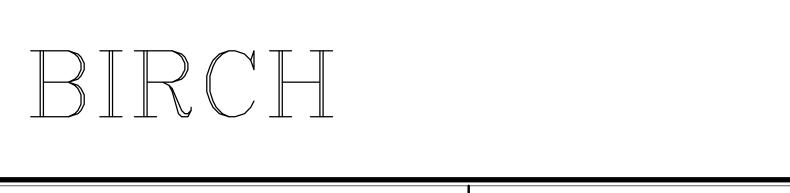
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			DR-1 DR-1b		
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			ET-Ib		
			ET-Ic ET-Id		
			ET-3	FIRST FLOOR SQUAR DESCRIPTION	TOTAL SQ. FT.
			F-I FA-Ib	IST FLOOR (BASE SF)	640 SF
			FA-ID FC-I		640 SF
			FC-2		
			FC-4 FC-5	SECOND FLOOR SQUA	RE FOOTAGE
			FD-I	DESCRIPTION	TOTAL SQ. FT.
			FD-Ib FD-2	2ND FLOOR (BASE SF)	1040 SF 1040 SF
			FD-2b		1040 51
=			GB-I		
			IT-I IT-Ib	GARAGE SQUARE	
			JT-I	DESCRIPTION TWO CAR GARAGE	TOTAL SQ. FT. 400 SF
			JT-Ib JT-2		400 SF
			JT-3		
			JT-3b		
			RF-I	UNFINISHED SQUARE DESCRIPTION	TOTAL SQ. FT.
			RF-Ib	UNFINISHED BASEMENT (BASE SF)	640 SF
			RF-IC SEP-I		640 SF
			SEP-2		
			SEP-3		
			SEP-4 SP-I		
			SP-2		
			SP-3 ST-I		
			WB-2		
			WD-I		
			WD-3 WS-Ib		
				TOTAL FINISHED SQUA	
				DESCRIPTION	TOTAL SQ. FT.
				IST FLOOR (BASE SF) 2ND FLOOR (BASE SF)	640 SF
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#### GENERAL

- I. These plans and specifications are the sole property of NVR. Any unauthorized use of these plans without the written consent of NVR is prohibited.
- 2. These plans are subjected to modification as necessary to meet code requirements or to facilitate mechanical/plumbing installations or to incorporate design improvements.
- 3. These plans are not to be scaled for construction purposes. Dimension lines and notes supersede all scale references.
- 4. Single Family Attached/Detached Automatic residential fire sprinkler systems shall be installed in accordance with NCRBC P2904 or NFPA I3D where required.
- 5. This note sheet only covers major code requirements. The plans are intended to conform to all current applicable codes or engineering design in accordance with Section 301.1.3.

#### CODE ANALYSIS

- I. This note sheet only covers major code requirements. The plans are intended to conform to all current applicable codes including, but not limited to: NCRC 2018, NCMC 2018, NCPC 2018, NCFGC 2018, NEC 2020 w/ NC Amendments,
- NCEC 2018, NCFPC 2018 2. Use Group: R-3
- 3. Constr. Type: V-B
- 4. Max. Stories: 3

#### ENERGY AND MECHANICAL

Insulation requirements per 2018 NCRC Chapter II, Energy Efficiency, or Chapter 4 of the 2018 North Carolina Energy Conservation Code (NCECC), or Chapter 4 of the 2015 International Energy Conversation Code (IECC), Residential Energy Efficiency by the prescriptive method. See NVR "Standard Energy Package" for field procedures and details.

R-values shown below are the minimum used.

CLIMATE ZONE	FENESTRATION U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	FRAME WALL R-VALUE 2x4 / 2x6	FL <i>OO</i> R R-VALUE	BASEMENT WALL R-VALUE UNFIN. / FIN.	SLAB R-VALUE & DEPTH	CRAML SPACE WALL R-VALUE
3	0.35	0.30	38	15 / 19	19	5 / 15	NA	5 / 15
4	0.35	0.30	38	15 / 19	19	EI / OI	10	10 / 15

2. All HVAC equipment is sized based on ACCA Manual J calculations. Ductwork is sized using ACCA Manual D. Minimum efficiencies of equipment are as listed below. Upgrades for improved energy performance may be installed.

-	Air conditioner - 14 SEER
	Gar Furnara - 02% / 06%

- Gas furnace 92% / 96% Heat Pump 8.2 HSPF
- 3. Winter interior design temperatures shall be 70°F and summer interior design temperatures shall be 75°F. Exterior design temperatures vary based on geographic location and are listed on the Manual J calculations.
- 4. Roof ventilation calculations are based on the following specifications: Minimum 18 sq. in. of vent per linear foot Ridae vent: Minimum 9.9 sq. in. of vent per linear foot Soffit vent:

Roof jack (box vent): Minimum 45 sq. in. of vent per unit

5. See NVR "Standard Energy Package" for field procedures and details.

#### DESIGN LOADS

Table of Loads for House Structure. Per Table 301.5

Table of Loads for House Struct	ure. Per Table 301.5
Floor Living Areas	- 40# P.S.F. (Live)
	- 10# P.S.F. (Dead) unless noted otherwise by calculations
Floor Sleeping Areas	- 30# P.S.F. (Live) unless noted otherwise by calculations
	- 10# P.S.F. (Dead) unless noted otherwise by calculations
Garage Floors	- 50# P.S.F. (Live)
	- 50# P.S.F. (Dead)
Roof Areas - Top Chord	- 20# P.S.F. (Live)
	- 10# P.S.F. (Dead)
- Bottom Chord	- 10# P.S.F. (Live) (Attics without storage)
	- 20# P.S.F. (Live) (Attics with limited storage)
	- 10# P.S.F. (Dead)
Habitable Attics	- 30# P.S.F. (Live)
Trusses	- Areas up to 130 mph ultimate wind speed per Table R301.2(4)
	- Exposure category 'B'
Walls	- Areas up to 130 mph ultimate wind speed per Table R301.2(4)
	Vult   115 mph   130 mph
	Vasd 89 mph 101 mph
	Note: Linear interpolation between contour lines permitted.
Stairs	- 40# P.S.F. (Live)
	- 10# P.S.F. (Dead)
Allowable deflection of struc	tural members per IRC T <b>able R301.7</b>
<u>Design Criteria</u>	
Design Codes:	
	ation for Wood Construction by National Forest
Products Association.	-
2. <u>Specification for the De</u> <u>Buildings</u> by American In	esign Fabrication and Erection of Structural Steel fo stitute of Steel Construction.
Materials:	
Headers* Southern Pine (KD	0-19), No. I Grade
Studs Spruce-Pine-Fir, S	
Jacks Spruce-Pine-Fir, S	
Pages ** Cauthan Dina /VE	(d) No. I Grada

Beams\*\* Southern Pine (KD-19), No. 1 Grade 2x10 Hem-Fir (KD-19), No. 2 Grade or better (WCLIB & WWPA) Joists

- 2x8 Southern Pine (KD-19), No. 1 Grade or better 2x10 Spruce-Pine-Fir (KD-19), No. 2 Grade or better (NLGA) LVL 1.9E Minimum
- \* Where required, Laminated Veneer Lumber may be used per Engineering \*\* Structural Steel - A.S.T.M. A36

#### FOUNDATIONS

- I. All plain and reinforced concrete shall comply with requirements in ACI 318. 2. Concrete footings shall be poured a maximum 5" slump, 5 bag mix, and 2,500 psi minimum strength per Table R402.2. Concrete walls shall be poured a maximum 5" slump, 5 1/2-bag mix, and 3,000 psi minimum strength per Foundation Wall Design table below. Special soil and or wall height conditions may require a higher psi mix.
- 3. Walls and footings designed as unreinforced unless otherwise specified on foundation plans or details. Special soil and/or site conditions may require the addition of reinforcing. 4. Footing frost depth to be no less than 12" per R403.1.4 and Table R301.2(1).
- 5. Minimum Soil Bearing Capacity shall be 2,000 PSF per Table R401.4.1.
- 6. Slab requirements: Interior slabs on grade (excluding garage slabs) to be minimum 3-1/2" concrete (may be represented on plans as nominal 4") over 4" sub-base, with vapor barrier (6-mil polyethylene) as required per Section 506 and a minimum 2,500 PSI per Table R402.2.
- Non-structural garage slabs shall be nominal 3-1/2" thick and shall be installed on compacted / undisturbed soil per Table R402.2. Slabs shall be 3,500 PSI air-entrained concrete. Structural garage slabs utilizing grade beams shall be nominal 4" thick. Slabs shall be 3,500 PSI air-entrained concrete.
- concrete with 6x6 WI.4xWI.4 mesh or equivalent fiber mesh reinforcement.
- 7. Unconditioned crawl spaces shall have a minimum net area of ventilation not less than I square foot for each 150 square feet of area, unless the ground surface is covered by a Class 1 vapor retarder, in which case the minimum net area of ventilation shall not be less than 1 square foot for each 1,500 square feet of area. One such ventilating opening shall be within 3 feet (914 mm) of each corner of the building, per R408.1.2.
- 8. Foundation drains shall be located per local codes and according to local site conditions. Drain discharge by gravity or mechanical means to conform with approved site plan and installed per Section R405.1.
- 9. The top course of block of foundation walls shall be semi-solid block or open cores of hollow block shall be filled with mortar.
- 10. Block piers to be solid block or mortar-filled hollow block.
- II. A poured concrete foundation wall designed to withstand an equivalent fluid weight of 30# per cubic ft. may be substituted where masonry units (block) are shown on plans.
- 12. Concrete and masonry foundation walls shall be dampproofed with min. 3/8" portland cement parging from footing to top of finished grade. The parging shall be covered with a coat of approved bituminous material applied at the recommended rate per R406.1.
- 13. Where required, concrete and masonry foundation walls shall be waterproofed with an approved membrane extending from footing to top of finished grade. The joints in the membrane shall be lapped and sealed with an adhesive compatible with the waterproofing membrane. Waterproofing to be in accordance with R406.2. 14. Reserved for future use.
- 15. Foundation framing anchors shall be 1/2"×18" anchor bolts with 7" minimum embedment or Simpson Strong-Tie MASA / USP FA3 (16 gauge steel, galvanized) or equivalent set in concrete or arouted cell, I'-O" maximum from corners and spaced at a maximum of 6' o.c. and in the middle third of the width of the plate. For walls connecting offset braced wall panels, those 24" in length or shorter shall have min. (1) anchor strap and those 12" or shorter can be installed without anchor straps. Townhouses in seismic design category "C" shall require a .229" x 3" x 3" plate washer per R403.1.6.1 and maximum anchor bolt spacing for buildings over two stories shall be 4'.
- 16. Steel columns and bases shall be given a shop coating of rust-inhibitive paint or equivalent to provide corrosion resistance per R407.2.
- 17. For masonry veneers: Per R703.8.4.1 - Corrugated sheet metal veneer ties shall be a minimum of No. 22 U.S. gauge by 7/8 inch. Each tie shall be spaced not more than 32" o.c. horizontally and 24" o.c. vertically and shall support not more than 2.67 square feet of wall area. For townhouses in Seismic Design Category C and in wind areas of more than 30 pounds per square foot pressure, each tie shall support not more than 2 square feet of wall area. Additional metal ties shall be provided around all wall openings greater than 16 inches (406 mm) in either dimension. Metal ties around the perimeter of openings shall be spaced not more than 3 feet (9144 mm) on center and placed within 12 inches (305 mm) of the wall opening. Per R703.2 - One layer of No. 15 asphalt felt or other approved water-resistive barrier shall be provided behind brick.

immediately above the flashing.

- Per R703.8.5 When veneer of brick, clay tile, concrete, or natural or artificial stone are used, 6 mil plastic flashing shall be attached to the sheathing wherever necessary to prevent moisture penetration behind the veneer. See NVR Flashing Details.
- 18. Reserved for future use. 19. Foundation wall strip footing thickness to be 8" (or 6" with a single story) unless otherwise noted as specified by engineering. Strip footing projections beyond the face of the foundation wall shall not to exceed the footing thickness. Bump out footings, pier pads, and any other
- footing identified as being greater than 8" in thickness shall not be reduced.
- 20. Block foundation walls may be substituted for poured foundation walls shown on foundation plans provided all requirements of Section R404 are met.

	NCRBC PR	ESCRIPTIVE C		INEERED DESIGN PE	R ACI 332
WALL HEIGHT	WALL THICKNESS	LATERAL SOIL LOAD (a)	UNBALANCED FILL	VERTICAL REINFORCING (b)	HORIZONTAL REINFORCING (b)
		45	6'-0"	NOT REQUIRED	2- #4 BARS (f)
	8"	45	7'-0"	NOT REQUIRED (d)	3- #4 BARS (d,e)
	Ø	60	6'-0"	NOT REQUIRED (d)	3- #4 BARS (d,e)
8'-0"		60	7'-0"	#4 @ 22" O.C. (d)	3- #4 BARS (d,e)
8-0		45	6'-0"	NOT REQUIRED	2- #4 BARS (f)
	10"	45	7'-0"	NOT REQUIRED	2- #4 BARS (f)
		60	6'-0"	NOT REQUIRED	2- #4 BARS (f)
			7'-0"	NOT REQUIRED	2- #4 BARS (f)
		45	7'-0"	NOT REQUIRED (d)	4- #4 BARS (d,e)
	8"	CF	8'-0"	#4 @ 19" O.C. (d)	4- #4 BARS (d,e)
	-	( )	7'-0"	#4 @ 19" O.C. (d)	4- #4 BARS (d,e)
q'-0"		60	8'-0"	#4 @ 15" O.C. (d)	4- #4 BARS (d,e)
		45	7'-0"	NOT REQUIRED	3- #4 BARS (g)
	10"	45	8'-0"	NOT REQUIRED (d)	4- #4 BARS (d,e)
		60	0"-	NOT REQUIRED (d)	4- #4 BARS (d,e)
			8'-0"	#4 @ 19" O.C. (d)	4- #4 BARS (d,e)

UNLESS WALLS ARE ADEQUATELY BRACED.

- a. SOIL CLASSES GM, GC, SM, SM-SC AND ML 45 PSF
- SOIL CLASSES SC, MH, ML-CL AND CL 60 PSF b. SPACING SHOWN IS BASED UPON Fy = 60,000 PSI
- STEEL FOR Fy = 40,000 PSI STEEL, REDUCE SPACING BY 0.67 C. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 3000 PSI d. ENGINEERED DESIGN PER ACI 332-14, REQUIREMENTS FOR RESIDENTIAL
- CONCRETE CONSTRUCTION
- e. FOR ALL WALL HEIGHTS, ONE HORIZONTAL BAR SHALL BE LOCATED WITHIN THE TOP 24", ONE IN THE BOTTOM 24" WITH THE REMAINING BARS EQUALLY SPACED. MAINTAIN 2" OF CONCRETE COVER BETWEEN INSIDE FACE OF WALL AND FACE OF HORIZONTAL BARS.
- F. ONE BAR WITHIN 12" OF TOP AND AT MID-HEIGHT OF WALL PER TABLE R404.1.2(1). g. ONE BAR WITHIN 12" OF TOP AND ONE EACH AT THIRD POINT OF WALL HEIGHT PER TABLE 404.1.2(1).

- Porch slab and exterior concrete work shall be nominal 4" minimum 3,500 PSI air-entrained

- Per Table R703.8.4 Provide minimum I-inch air space between brick veneer and sheathing. Per R703.8.6 - Provide minimum 3/16" diameter weep holes at 33" on center maximum, located
- 21. Termite treatment provided below slabs or to framing members per R318.1

## FOUNDATION WALL DESIGN(c)

- NOTE: BACKFILLING OF THE FOUNDATION SHALL NOT TAKE PLACE BEFORE THE BASEMENT SLAB IS IN PLACE AND THE FLOOR FRAMING IS ERECTED OR

#### PLANS

- I. Habitable attics and sleeping rooms shall have a window or door as a second means of egress that shall be minimum 5.7 sq. ft. openable area (5.0 sq. ft. if at grade level) with maximum sill height 44" above finish floor (min. hqt. 24", min. width 20") per R310.1.
- 2. All emergency escape and rescue openings shall have a minimum net clear openable area of 4 sq ft. The minimum net clear opening height shall be 22" and a minimum net clear opening width of 20". Emergency escape and rescue openings must have a minimum total glazing area of not less than 5 sq ft in the case of a ground window and not less than 5.7 sq ft in the case of an upper story window per R310.2.1. Window wells where required, shall be installed per R310.2.3 with a minimum of 9 sq ft and a minimum horizontal projection and width of 36". Wells with a greater depth of 44" shall have permanently affixed ladder or steps per R310.2.3.1.
- 3. Clear opening heights for exterior doors to be 6'-6" minimum per R311.2. All interior doors providing egress from habitable rooms shall have nominal minimum dimensions of 2'-6" by 6'-8" per R311.6.1. Habitable rooms with double doors less than 5'-0" in total width (less than 2'-6" per door slab) shall have a total opening width of at least 2'-6" with no slide bolts or locking devices installed on either door.
- 4. Sliding glass drs/patio drs/wdws must be safety glazed per R308.4.
- 5. Interior stairway shall have minimum head room of 6'-8" per 311.7.2 and minimum tread depth of 9" and maximum riser height of 8 1/4". Handrails are required for stairs with four or more risers and shall have minimum height of 34" and maximum height of 38" above treads and landings. Handrail to have maximum 4 1/2" projection into width of stair per **Section R311.7.** Enclosed accessible space under stairs shall have walls, under stair surface and any soffits protected on the enclosed side with 1/2" gypsum board per R3027
- 6. Guard rails to have minimum height of 36" and shall not have openings from the walking surface to the required quard height which allow passage of a sphere 4 inches in diameter per R312.
- 7. The triangular openings at the open side of stair, formed by the riser, tread and bottom rail of a quard, shall not allow passage of a sphere 6 inches (153 mm) in diameter per R312.1.3.
- 8. Where exterior landings or floors serving the required egress door are not at grade, they shall be provided with access to grade by means of a a stairway in accordance with Section R311.7 (see item #5 above) or a ramp in accordance with Section R311.8.
- 9. Handrails shall be installed on exterior stairs having (4) or more risers per R311.7.8. Guards shall be installed at exterior porches / decks that are located more than 30 inches (762 mm) measured vertically to the floor or grade below at any point within 36 inches (914 mm) horizontally to the edge of the open side. Insect screening shall not be considered as a quard.
- 10. All flashing used (including at windows, doors, and with stone or masonry veneer) shall be corrosion-resistive per R703.4. See NVR Flashing Details.
- II. Wood framed walls assumed to be 2 x 4 stud construction unless otherwise noted on plans. Bearing walls
- shall have studs spaced at 16" o.c. maximum per Table R602.3(3) and Table R602.3(5).
- 12. All exterior sheathing to be structural sheathing designed in accordance with R602.10.
- 13. An approved water-resistive barrier shall be applied over sheathing of exterior walls per Section
- 14. Interior sheathing shall be 1/2" gypsum wall board unless otherwise noted. Exceptions may include, but are not limited to, special requirements for wall bracing and fire separation.
- 15. Screw fastening is typical for gypsum installation and nailing will only be permitted at the perimeter of the board. • All screws shall be corrosion-resistant Type W I-1/4" drywall screws.

SCREW FASTENING SCHEDULE							
	M	TH ADHESIVE					
Framing Spacing	Ceilings	Load-brg. walls	Non-load-brg. walls				
16	16	24	24				
24	16	16	24				
	MITI	HOUT ADHESIVE					
Framing Spacing	Ceilings	Load-brq. walls	Non-load-brq. walls				
16	12	16 -	16				
24	12	2	2				

- For 1/2" wallboard, nails shall be 1-1/4" long, 1/4" head and .098 diameter shanks with annular ring or acceptable equivalent and comply with ASTM C514.
- For 5/8" wallboard, nails shall be 1-3/8" long, 1/4" head and .098 diameter shanks.
- 17. Garages shall be completely separated from the residence and attic area by not less than 1/2" gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8" type X gyp. board. Where a structure is supporting a floor-ceiling assembly due to living space above the garage, the structure shall also be protected by not less than 1/2" gypsum board per Section R302.6.. Openings and penetrations through the separation shall be protected by sealing the area around the penetration per Section R302.5. The garage door shall be a 20-minute fire-rated door and be equipped with a self-closing device installed per Section R302.5.1.
- 18. Asphalt shingles shall be installed per section R905.2. For roof slopes of 2:12 through 4:12, in lieu of two layers of underlayment, a self-adhering polymer-modified bitumen underlayment shall be used per section R905.1.1 Exception #1.
- 19. Attic spaces shall be ventilated w/ ridae and soffit vents unless otherwise noted. Venting provided per R806.2
- 20. Fireblocking shall be installed between ceiling and floor openings per R302.11. Draftstopping to be installed in accordance with R302.12.
- 21. Water closet, lavatory or bidet shall not be set closer than 15 inches from its center to any side wall, partition or vanity or closet than 30 inches center-to center-between adjacent fixtures. There shall be a clearance of not less than 21 inches in front of the water closet, lavatory or bidet to any wall, fixture or door per **P2705**.
- 22. Heating and cooling equipment installation shall be in accordance with IRC Chapter 14 and the International Mechanical Code
- 23. Mechanical fireplaces shall be installed per Section RIOO4 and IOO5.
- 24. Single family attached structures to have 2-hour dwelling unit separation wall continuous to roof deck. Roofing material to be minimum class "C" over approved fire retardant wood decking extending 4' each side of dwelling unit separation wall per R302.2 and R302.3.
- 25. Untreated wood shall be minimum 8" above finish grade per R317.1 Item #2. 26. Bottom plates on slabs and any wood in contact w/ concrete or masonry to be pressure treated material
- per Section R317. 27. Exterior eqress swing doors shall open onto a landing not more than 8 1/4" below the top of the threshold when door swings in and 1 1/2" below the top of the threshold when the door swings out. The landing shall extend a minimum of 36" in the direction of travel and be at least the width of the doorway served per R3113
- 28. Air exhaust and intake openings that terminate outdoors shall be protected with corrosion-resistant screen, louvers, or grills having a min. opening size of 1/4" and maximum of 1/2" in any dimension per R303.6.
- 29. Fasteners and connectors for pressure preservative-treated wood shall be hot-dipped galvanized steel.
- 30. Windows that have an operable opening more than 72" above finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24" above the finished floor of the room in which the window is located. Glazing between the floor and 24" shall be fixed or have openings through which a 4" dia. sphere cannot pass per Section R312.2.
- 31. The final grade shall fall a minimum of 6 inches within the first 10 feet of the foundation per R401.3. 32. One- and two-family dwelling construction (R302.1.1):
- Vinul or aluminum soffit material shall be securely attached to framing members and use an underlayment material of either fire retardant treated wood, 3/4-inch wood sheathing or 5/8-inch gypsum board. Venting requirements shall apply to both soffit and underlayment and shall be per Section R806. Where the property line is 10 feet or more from the building face, the provisions of this code section shall not
- Townhouse construction (R302.2.5):
- Projections extending into the fire-separation distance shall have not less than I-hour fire-resistive construction on the underside. Vinyl or aluminum soffit material shall be securely attached to framing members and use an underlayment material of either fire retardant treated wood, 3/4-inch wood sheathing or 5/8-inch aupsum board. Venting requirements shall apply to both soffit and underlayment. Vents shall be nominal 2-inch continuous or equivalent intermittent and shall not exceed the minimum net free air requirements of Section R806.2 by more than 50%. Vents in soffit are not allowed within 4 feet of fire walls or property lines per R302.2.5 and R302.2.6.
- 33. I-hour fire-rated construction required on projections within 2' to 3' of lot line per R302. I. No projections allowed within 2' of property line.
- I-hour fire-rated construction required on townhouse eaves within 3' of the property line. Note: Single Family Detached product will NOT be built within 3' of the property line.
- 34. Wall bracing is designed in compliance with Section R602.10. When wall bracing is beyond the criteria for a prescriptive approach, the structure is analyzed utilizing engineering in compliance with the North Carolina Building Code (NCBC). Refer to house-specific wall bracing detail sheets and wall bracing standard details. Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Category C.
- 35. Minimum floor sheathing shall be 5/8" tongue & groove decking underlayment grade plugged and sanded, exterior glue, glued and nailed on joists to meet. "American Plywood Association" approved glued floor system, unless otherwise specified.

#### ELECTRICAL

- I. Ground-fault and arc-fault circuit interrupter protection is provided per NFPA 70 (National Electric Code). 2. Electric panel box installation to be in accordance with NFPA 70, Article 408 Section III. Location may vary by design.
- 3. Approved smoke detectors shall be installed in each sleeping room; outside each separate sleeping area in the immediate vicinity of the bedrooms; and on each additional story of the dwelling, including basements and habitable attics but not including crawl spaces and uninhabitable attics. Where more than one smoke detector is required, the devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. All smoke detectors shall receive their primary power from the building wiring and be equipped with a battery backup.
- 4. Unless listed for installation in such locations, smoke detectors shall be installed at least 10 feet from a cooking appliance, at least 3 feet from the door to a bathroom containing a tub or shower, at least 3 feet from forced air supply registers, and at least 3 feet from the tip of a ceiling fan blade. In sleeping rooms, smoke detectors should be located in the vicinity of the room entrance. They shall be installed at the highest portion of the ceiling (including tray or coffered ceilings) or within 12 inches vertically from the highest point in rooms with sloped ceilings.
- 5. Interior stairs shall be provided with an artificial light source in the vicinity of each landing or directly over each stair section and capable of illuminating treads and landings to a level not less than lfc measured at the center of the tread or landing per R303.7.
- 6. Outlets within 6' of a sink must be GFI protected.
- 7. An approved carbon monoxide alarm shall be installed outside of 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. R315.3.
- 8. Outlets installed in laundry areas must be GFI protected.

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		MODEL	NORO 2018 SPEC SHEE	DRAWING TITLE	SINGLE FAMILY ATTACHED			UPIION DESCRIPTION	NC State Building Code - Residential Code 2018		
		-						' ر	-		
		SHEET NO.		(	U U I					_	

115

	ILATION C	ΔΙ ΟΙ ΙΙ	ΔΤΙΟ	NS												
		BIRCH			1						YES	(any)		(any)	VENT OK	No action reg'd.
OUSE VERSION		BRH00-0	1		-						NO	YES			VENT OK	No action reg'd.
RODUCT LINE		RYANHOM	ES		1				USER	GUIDE	NO	YES		LOW	FAIL	Increase ridge
	SOFFIT:	9.9	sq in of vent p	per lf	]						NO	YES		HIGH	FAIL	Decrease ridge
ENTILATION VALUES	RIDGE: BOX / GABLE VENT:		sq in of vent p sq in of vent p		-						NO	NO		(any)	FAIL	Increase total vent
	· · · · ·				-											
							ELE\	ATION "/	۹"							
	Area (A)	Required: A/150	Required: A/300	Soffit	Soffit Vent	Ridge	Ridge Vent	Upper Box / Gable Vent	Lower Box Vent	TOTAL	OK A/150	OK A/300	A/300 % vent at	A/300 40%-50%		
Location / Options	(sq in)	(sq in)	(sq in)	( <i>lf</i> )	(sq in)	(If)	(sq in)	(qty)	(qty)	(sq in)	UK A/150	UK A/300	% vent at ridge	40%-50% OK?		Notes
OUSE WITH GARAGE	160560	1070.40	535.20	40	396.00	14	252.00			648.00	NO	YES	47.09%	OK		
Location / Options OUSE WITH GARAGE	Area (A) (sq in) 160560	Required: A/150 (sq in) 1070.40	Required: A/300 (sq in) 535.20	Soffit <i>(If)</i> 40	Soffit Vent (sq in) 396.00	Ridge <i>(lf)</i> 14	Ridge Vent (sq in) 252.00	Upper Box / Gable Vent (qty)	Lower Box Vent <i>(qty)</i>	TOTAL (sq in) 648.00	OK A/150	OK A/300 YES	A/300 % vent at ridge 47.09%	A/300 40%-50% OK? OK		Notes
								ATION "I	VII							
		Required:	Required:				ELEV	Upper Box /					A/300	A/300		
	Area (A)	A/150	A/300	Soffit	Soffit Vent	Ridge	Ridge Vent	Gable Vent	Vent	TOTAL	OK A/150	OK A/300	% vent at	40%-50%		
Location / Options HOUSE WITH GARAGE	(sq in) 160560	(sq in) 1070.40	(sq in) 535.20	( <i>lf</i> ) 40	(sq in) 396.00	(lf) 14	(sq in) 252.00	(qty)	(qty)	(sq in) 648.00	NO	YES	ridge 47.09%	OK?		Notes
HOUSE WITH GARAGE	100500	1070.40	555.20	40	596.00	14	252.00	I		046.00		163	47.09%	UK		
							ELE	VATION "	L"							
		Required:	Required:					Upper Box /	Lower Box		ox 1/170	ov 1 /200	A/300	A/300		
Location / Options	Area (A) (sq in)	A/150 (sq in)	A/300 (sq in)	Soffit (If)	Soffit Vent (sq in)	Ridge (If)	Ridge Vent (sq in)	Gable Vent (qty)	Vent (qty)	TOTAL (sq in)	OK A/150	OK A/300	% vent at ridge	40%-50% OK?		Notes
	160560	1070.40	535.20	40		14			(4-7)	648.00	NO	YES	47.09%	OK		10000

9)	1
	1

# NVR

HOUSE NAME HOUSE VERSION

Note: The volume of the structure has been computed in acordance with "Title 5. of the Community Affairs, Chapter 23. Uniform Construction Code, Subchapter 2. Administration and enforcement: Process." (5;23-2.28. Volume computation)

Location / Area of house Left side of the house Right side of the house

Location / Area of house Left side of the house Right side of the house Porch on front of house

Location / Area of house Left side of the house Right side of the house Porch on front of house

#### Additional area

Location / Area of house / option Partial Front Porch "EPB" W/ Eleva Full Basement "FBA" Crawl space "FCA"

NVR - Business Use On	ly
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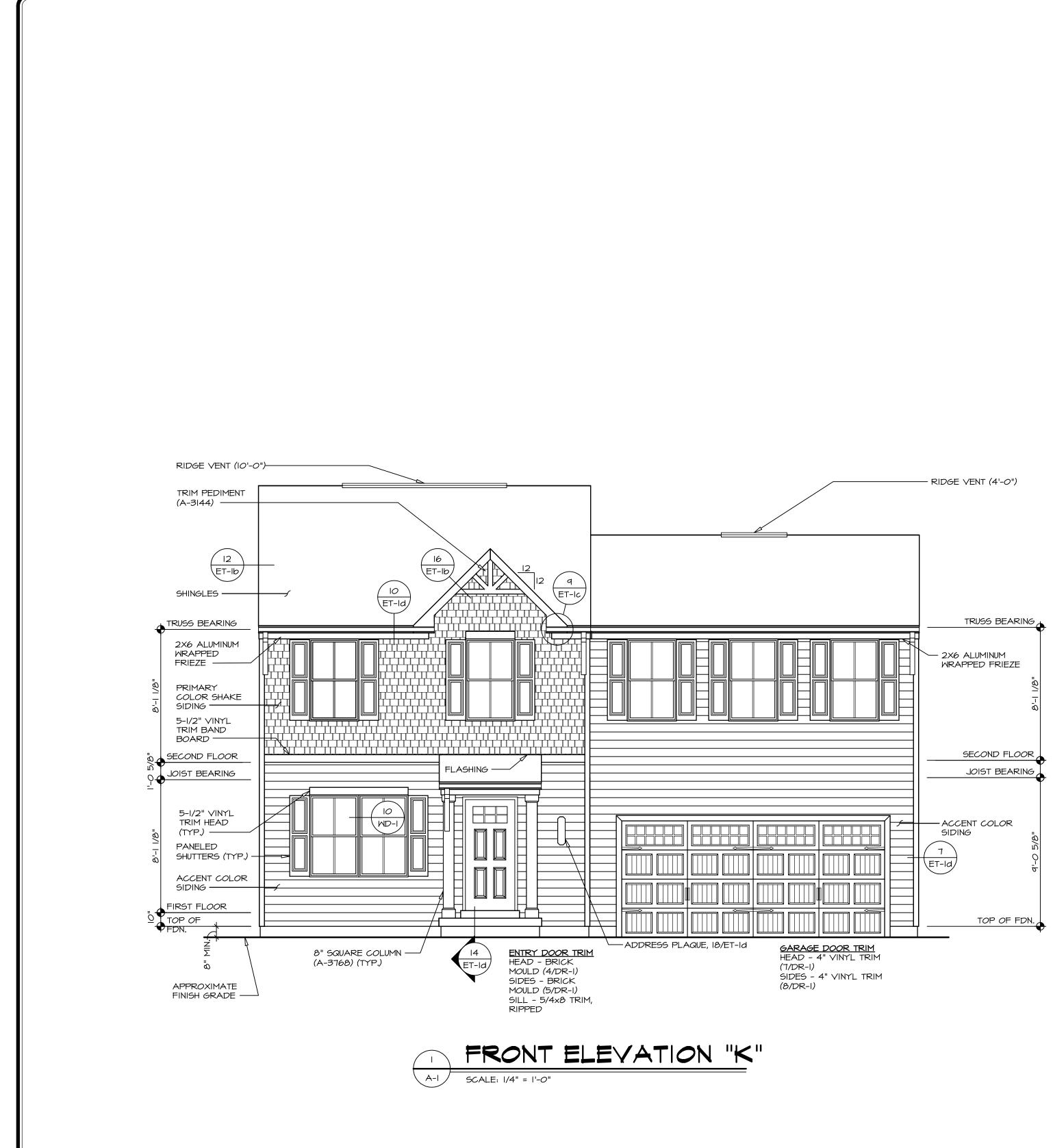
## HOUSE VOLUME CALCULATIONS BIRCH

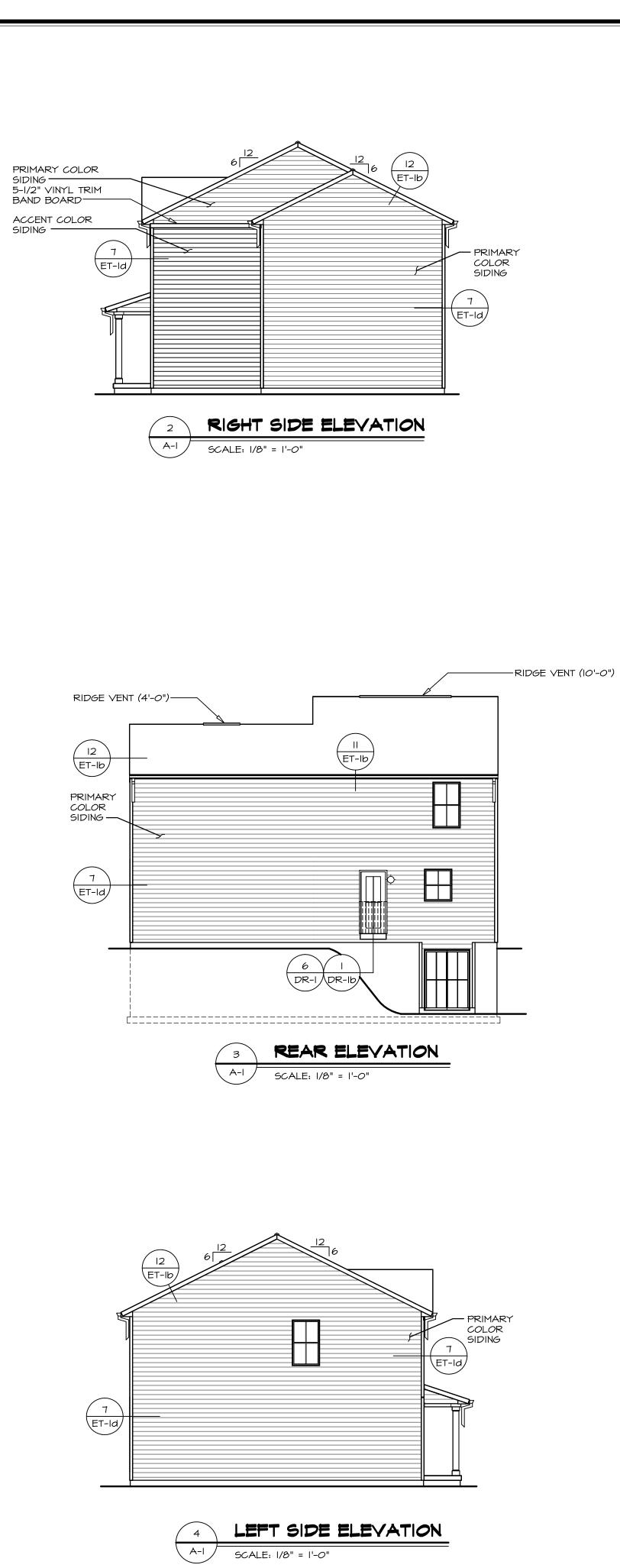
### BRH00-01

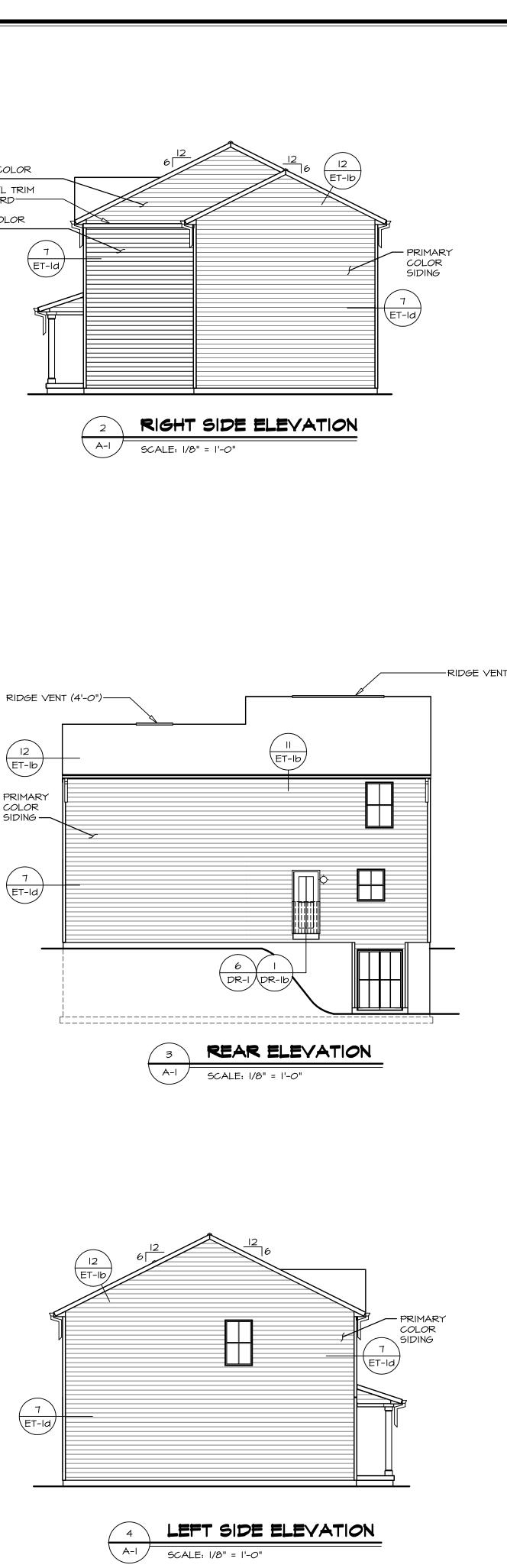
E	LEVATION "A"		
	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
64	10.00	21.45	13730
40	00.00	19.95	7981
		Total House Volume	21711
ELE	VATION "B", "I	-	
	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
64	10.00	21.45	13730
40	00.00	19.95	7981
24	1.00	8.90	214
		Total House Volume	21925
E	LEVATION "K"		
	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
64	10.00	21.45	13730
40	00.00	19.95	7981
24	1.00	8.49	204
		Total House Volume	21915

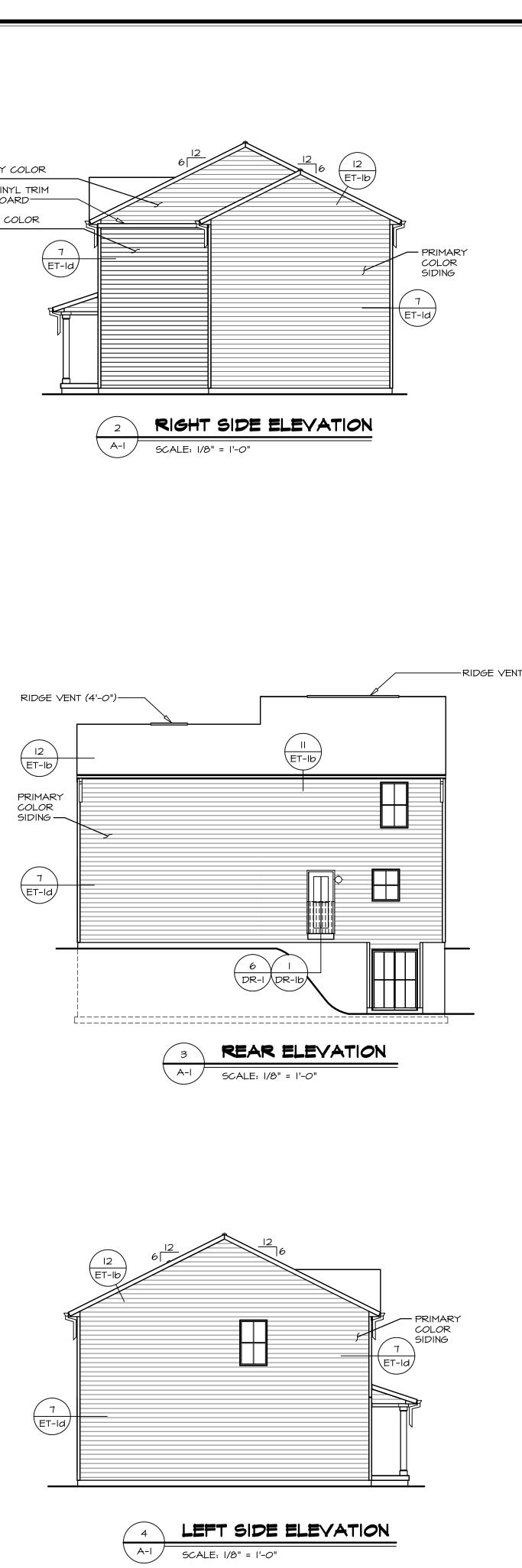
as of volume t	o be added to tot	al house volume	as needed
on	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
evation A "ELA"	24.00	8.49	204
	640.00	8.61	5513
	640.00	0.80	512

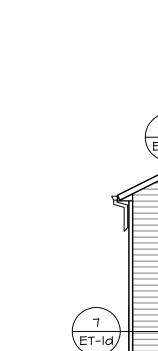
CHUDOL CHUDOL	10/00 ment	2 CNO/246 PNF		またが多くしまた。こ	ACDEDICAL A	
	COMM-LOT	STREET ADDRESS APT. NO.		CITY STATE ZIP		
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SET NO. BRHOO VERSION OI		DATE: DPTION 5285 Westview Drive, Suite 100	Frederick, MD 2170		CS.dwg 02/23/22 – 1:43 pm	
SHEET NO. MODEL BIRCH		OPTION DESCRIPTION		CA-	C:\NVR\Solves\RLH_QG_0167\Sheets\Lot Specific\CA-1 CALCS.dwg 02/23/22 - 1:43 pm	











SHEET NO. MODEL BIRCH DRAWING TITLE		SET NO. BRHOO VERSION OI					
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		DRAWN BY Date:	NVK	copyright and other property rights in these plans. These plans are not to be reproduced, changed, or copied in any form or manner whatsoever, nor are they to be	COMM-LOT		
OPTION DESCRIPTION FULL BASEMENT FOUNDATION	NOITATION	OPTION FBA	NVR, Inc. 5285 Westview Drive, Suite 100 Frederick, MD 21703	assigned to any third party, without first obtaining the expressed written consent of NVR, Inc.	STREET ADDRESS	APT. NO.	
					CITY 	STATE ZIP	

	FOUNDATION BEAT	M/HEADER S	SCHEDUL	E
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
BOOI	BEAM STEEL - W8X18 W 2X6 SILL	15'-9 1/2"	B0009	

#### PAD FOOTING SCHEDULE

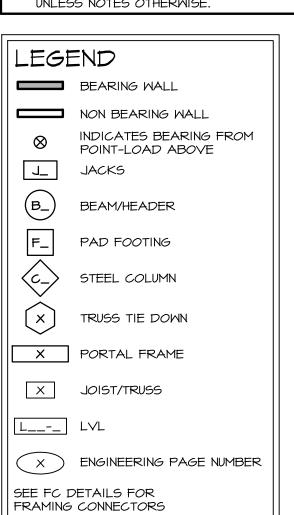
IDENTIFIER	LENGTH	MIDTH	HEIGHT	ENG. NUM.	REMARKS
FOOI	l'-4"	13'-3 1/4"	0'-8"	BOOII	
F002	2'-0"	2'-0"	I'-O"	BOOII	
F003	20'-0 3/8"	1'-6"	'-4"		
F004	2'-6"	2'-6"	I'-O"		FROST DEPTH < 36"
F005	20'-0 3/8"	1'-6"	'-4"		
F006	2'-6"	2'-6"	I'-O"		FROST DEPTH < 36"
F008	2'-0"	2'-0"	I'-O"	1017	
F009	2'-0"	2'-0"	l'-0"	1017	

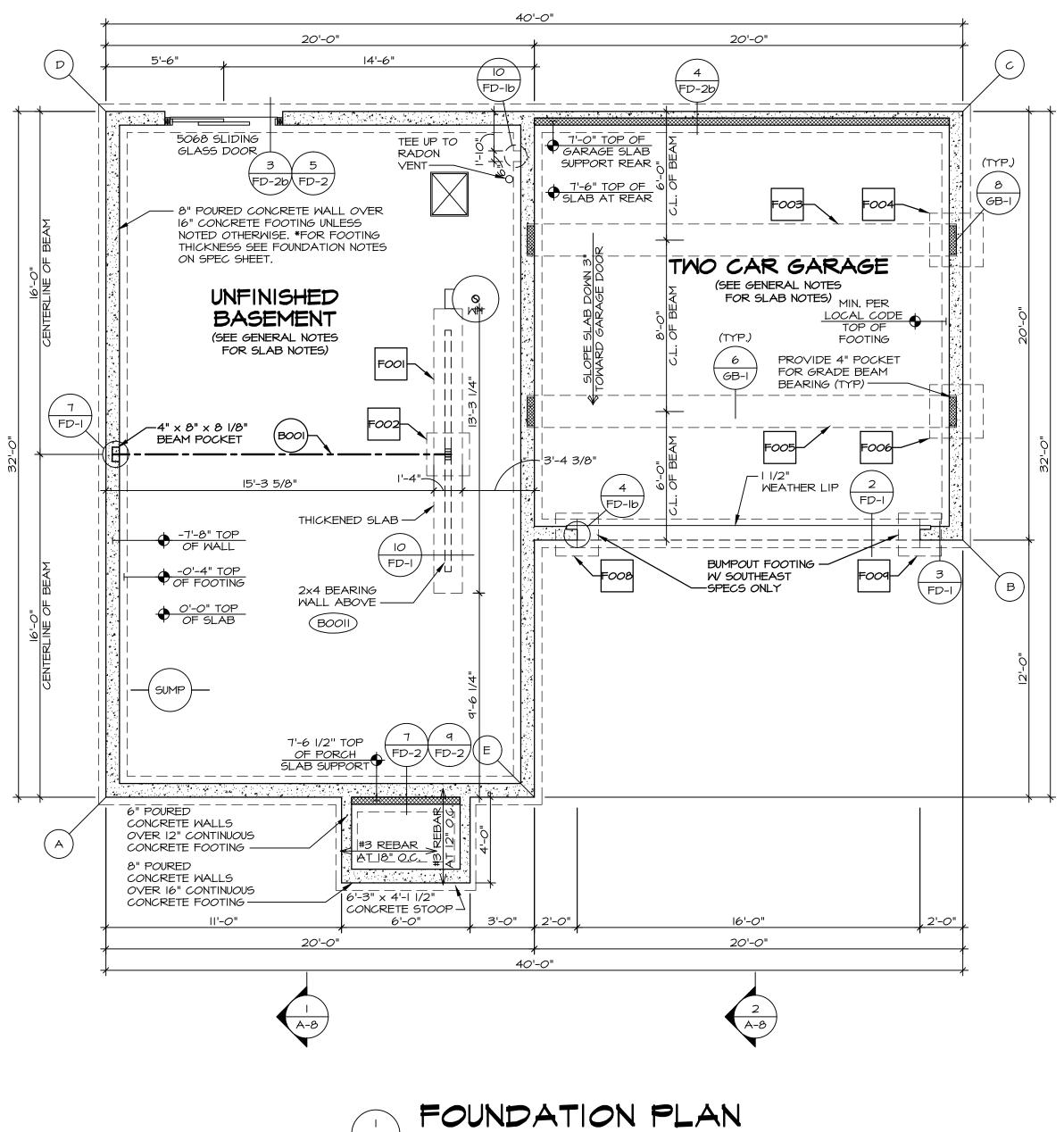
#### FOUNDATION DIAGONALS

	A		В
A	0"	A	41'-9 1/8"
в	41'-9 1/8"	в	0"
C	51'-2 11/16"	с	20'-0"
D	32'-0"	D	44'-8   / 6"
E	20'-0"	E	23'-3 7/8"

#### FOUNDATION NOTES - BASEMENT

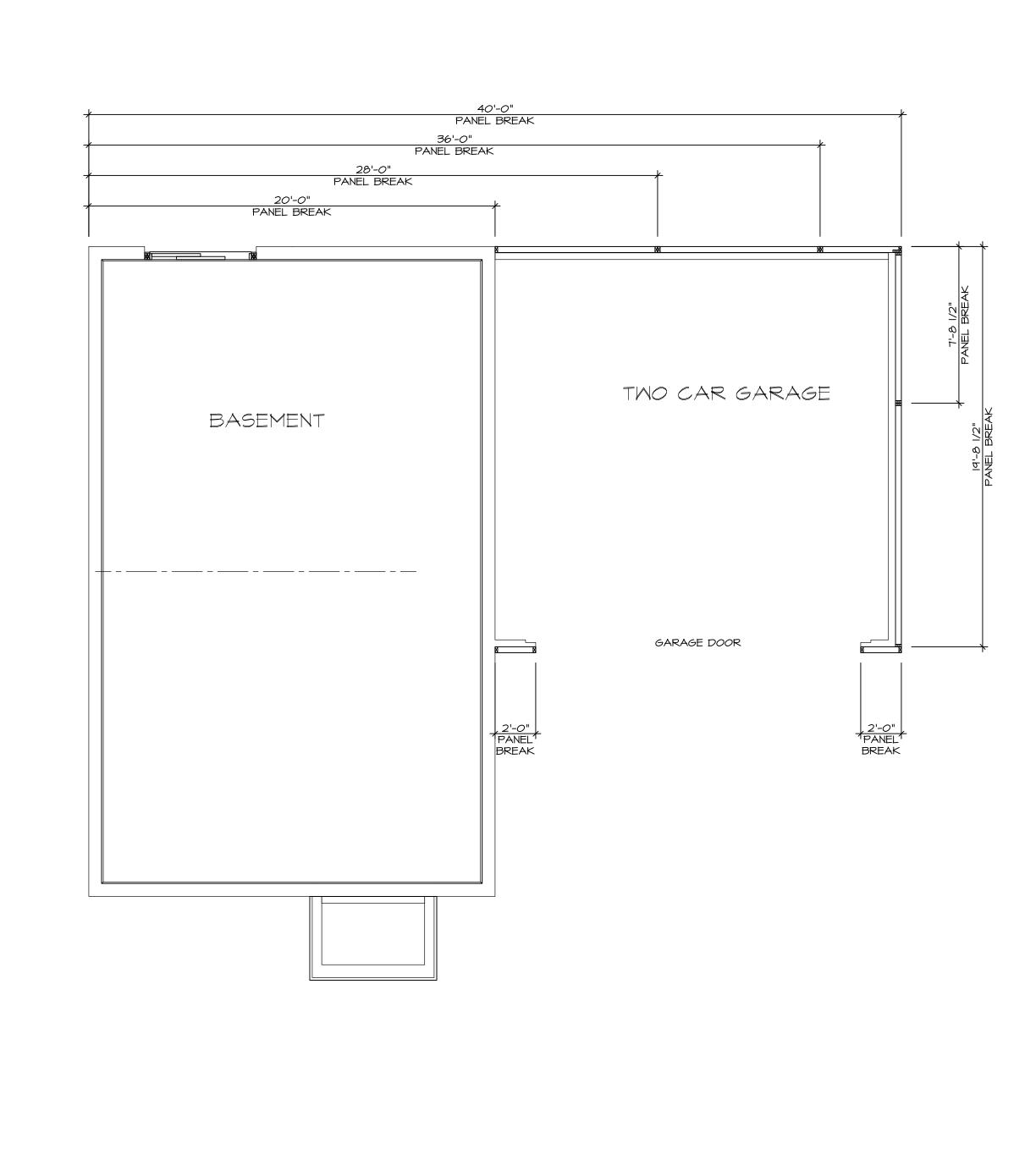
- I. FOUNDATION UNDER HABITABLE SPACE: I.I. CONCRETE SLAB ON 6 MIL VAPOR BARRIER OVER
- SUB-BASE (SEE SPEC SHEET FOR SLAB NOTES)
- 2. SLAB UNDER GARAGE: 2.1. UNEXCAVATED WITH CONCRETE SLAB ON VAPOR
- BARRIER OVER SUB-BASE (SEE SPEC SHEET FOR SLAB NOTES) OR
- 2.2. STRUCTURAL CONCRETE SLAB ON VAPOR BARRIER OVER SUB-BASE (SEE SPEC SHEET FOR SLAB NOTES)
  3. SEE FOUNDATION HOLD DOWN SHEET FOR CONNECTION INFORMATION.
- 4. EGRESS WINDOW LOCATION MAY VARY DUE TO GRADE OR OPTIONS ABOVE WINDOW WELL REQUIRED W
- CERTAIN GRADE CONDITIONS (SEE SPEC SHEET FOR ADDITIONAL INFO.)
- 5. SLAB LEDGE LOCATIONS VARY W/ GRADE BEAM(S) ORIENTATION. SEE GB-I FOR DETAILS.
- 6. THE DIRECTION OF THE ARROW IS THE DIRECTION OF REBAR, AS REQUIRED.
- ALL FOOTINGS ARE PLAIN, UNREINFORCED CONCRETE UNLESS NOTES OTHERWISE.

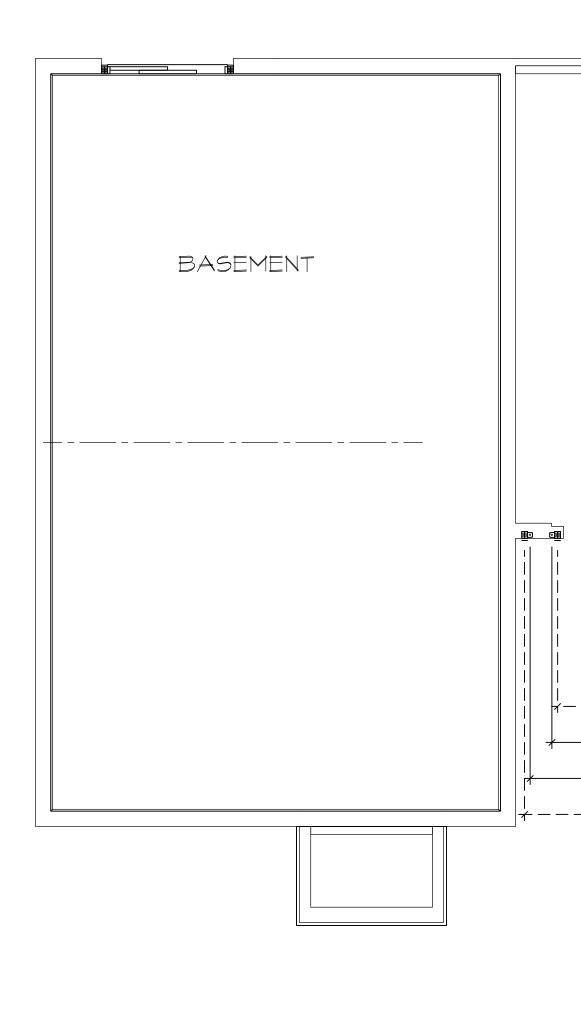




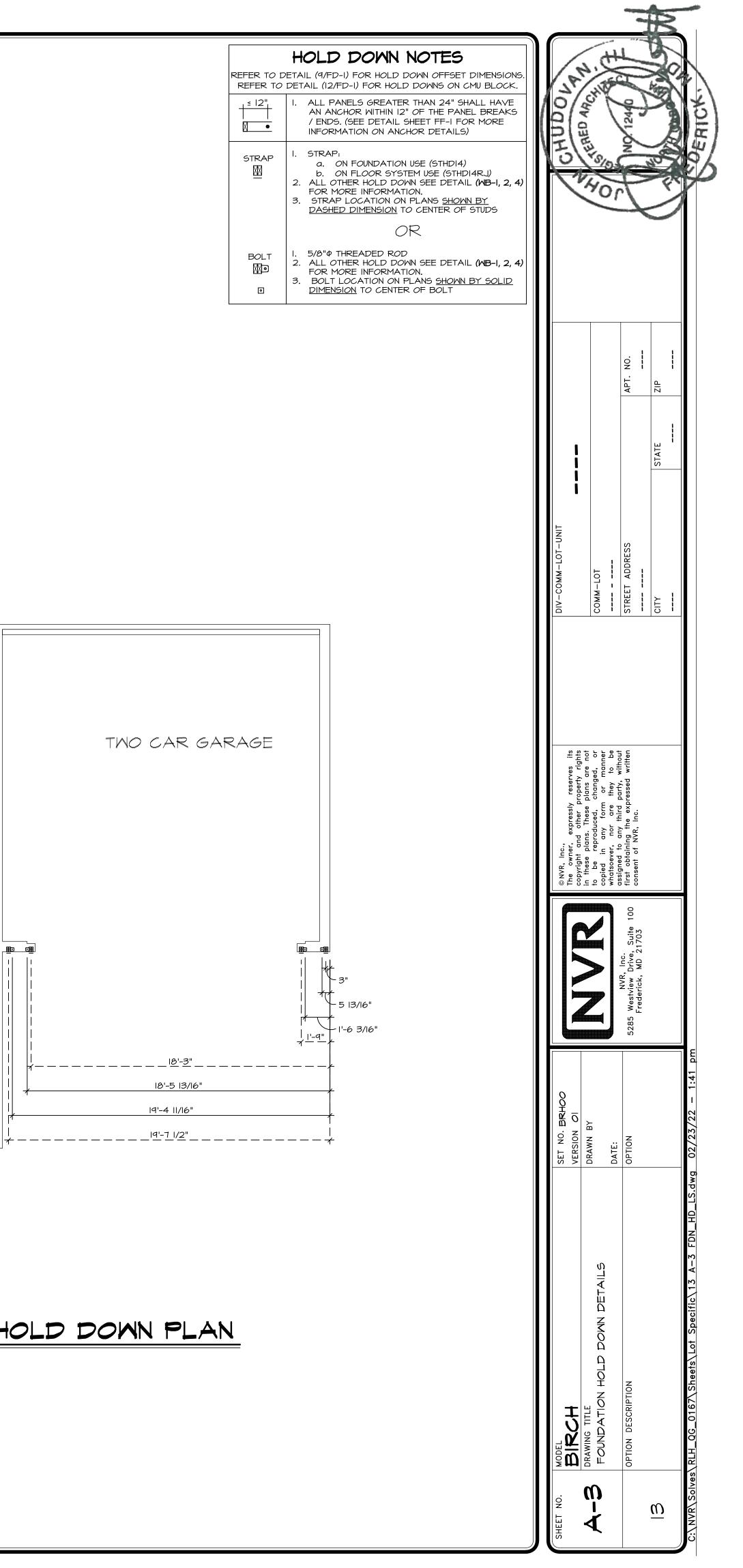
A-2 SCALE: 1/4" = 1'-0"

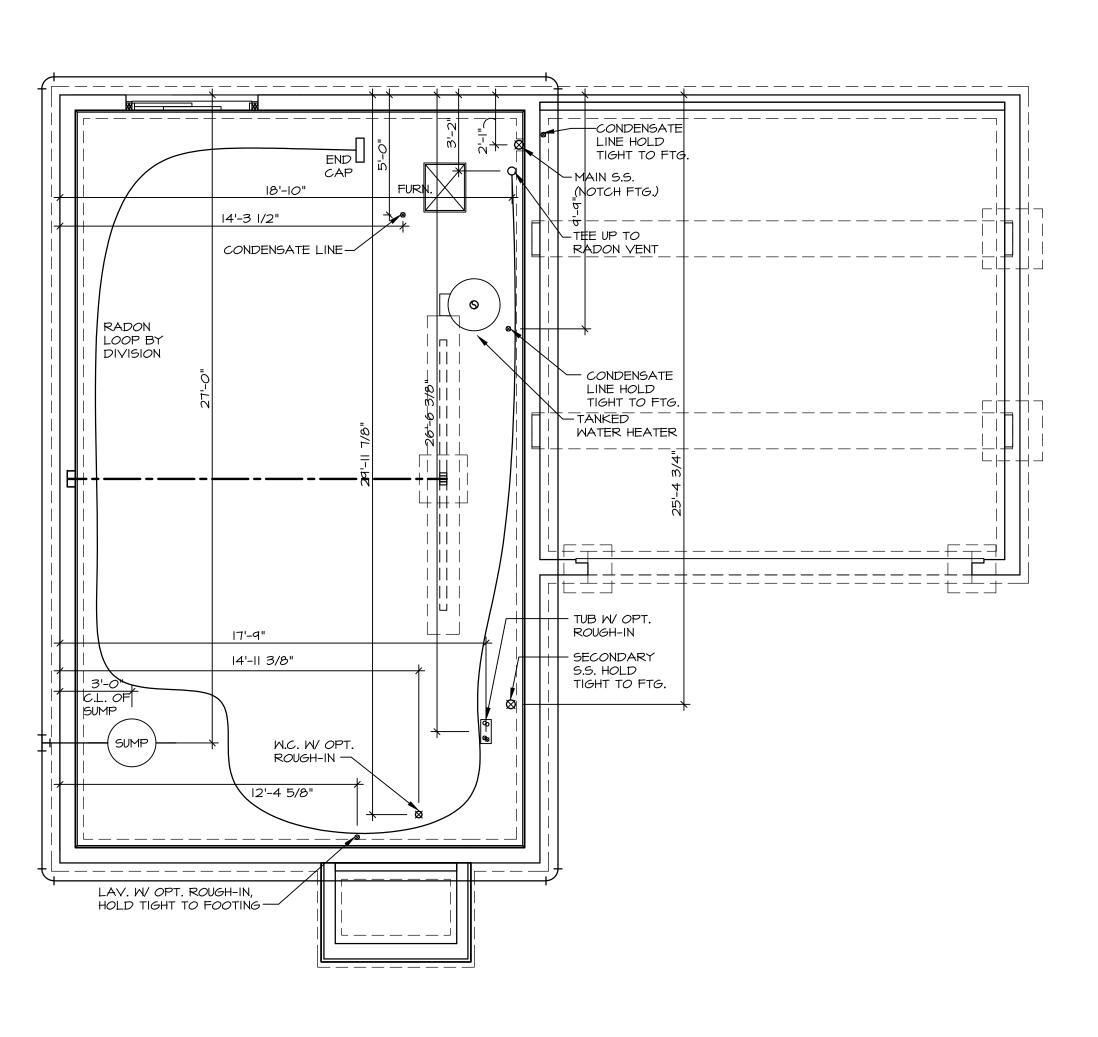
SHET NO.     MOBL       A-2     VERSION OI       A-1     VERSION OI       A-2     VERSION OI       A-1     VERSION OI       A-2     VERSION OI       A-1     VERSION OI       PRAWN BY     VERSION OI       PRAWN BY     PRAWN BY       PONDATION PLAN     PRAMIC       PONDATION     PRAMIC       PARENT     PRAMIC       PONDATION     PRAMIC       PONDATION     PRAMIC       PONDATION     PRAMIC       PRAMIC     PRAMIC       PRAMIC     PRAMIC       PRAMIC     PRAMIC									Ct Ct	- HUUOL	
DRAWING TITLE     DRAWING TITLE       PRONDATION PLAN     DRAW BY       FOUNDATION PLAN     E errordued, or copied in ony form or manuer seriptaded, or manuer proton price provided in on yind price seriptaded, or manuer proton price freederick, MD 21703     DAME DI ERET ADRESS       NR, Inc.     STREET ADRESS       OPTION DESCRIPTION     ETHER to be seripted or freederick, MD 21703       OPTION DESCRIPTION     FEA       FLL BASEMENT FOUNDATION     FEA	SHEET NO.	MODEL BIRCH	SET NO. BRHOO VERSION OI		© NVR, Inc., The owner, expressly reserves its copyright and other property rights				av 10	- H	
OPTION DESCRIPTION     NVR, Inc.     Basegneed to any third party, without     STREET ADDRESS     APT. NO.       5285 westview Drive, Suite 100     5285 westview Drive, Suite 100     Frederick, MD 21703     Erederick, MD 21703     Erederick, MD 21703       FULL BASEMENT FOUNDATION     FBA     Frederick, MD 21703     Erederick, MD 21703     Erederick, MD 21703	A-2	DRAWING TITLE FOUNDATION PLAN	DRAWN BY DATE:	N V K	in these plans. These plans are not to be reproduced, changed, or copied in any form or manner whatsoever, nor are they to be	COMM-LOT				0/12440 HU	
		OPTION DESCRIPTION FULL BASEMENT FOUNDATION	OPTION	NVR, Inc. 5285 Westview Drive, Suite 100 Frederick, MD 21703	assigned to any third party, without first obtaining the expressed written consent of NVR, Inc.	STREET ADDRESS	4	APT. NO.			K
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# INSTALLATION OF RADON STACK AND LOOP TO BE DETERMINED BY DIVISION



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	COMM-LOT	STREET ADDRESS APT. NO.	CITY STATE ZIP	
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SET NO. BRHOO VERSION OI		OPTION 5285 Westview Drive, Suite 100 Frederick, MD 21703		1 02/23/22 – 1:41 pm
MODEL BIRCH DRAWING TITLE	F-4 PLUMBING PLAN	OPTION DESCRIPTION		C:\NVR\Solves\RLH_QG_0167\Sheets\Lof_Specific\14_A-4_PLMG_LS.dwg_02/23/22 1:41_pm

#### BASEMENT JACK SCHEDULE

		_
IDENTIFIER	DESCRIPTION	ENG. NUM.
IOOL	BSMT - solved\$0\$JACK - (2) 2X4 SPF STUD GRADE	B0001
J002	BSMT - solved\$0\$JACK - (4) 2X4 SPF STUD GRADE	BOOII
LOOB	BSMT - solved\$0\$JACK - (2) 2X4 SPF STUD GRADE	B0001

#### FLOOR PLAN NOTES

RYAN

- ALL HEADERS ARE (2) 2x6 w/ 2x4 WALLS OR (3) 2x6 w/ 2x6 WALLS, UNLESS OTHERWISE NOTED. ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK AND KING STUD EACH END, UNLESS OTHERWISE NOTED. MULTI-OPENING HEADERS TO HAVE (2) JACKS AT INTERMEDIATE BEARING, UNLESS OTHERWISE NOTED. NO ADDITIONAL FLOOR SYSTEM BLOCKING OR CONTINUOUS LOAD PATH JACKS ARE REQUIRED UNLESS OTHERWISE
- NOTED. ALL EXTERIOR WALLS TO BE 4" W/ OSB OR 3 1/2"
- W/ LAMINATED FIBROUS STRUCTURAL SHEATHING, ALL INTERIOR WALLS TO BE 3 1/2", UNLESS OTHERWISE NOTED.
- HATCHED AREAS INDICATE DROPPED CEILINGS. ALL DROPPED CEILINGS ARE 12" UNLESS OTHERWISE NOTED.
   SEE "BRACED WALL PANEL DETAIL SHEET" FOR SPECIAL
- WALL FRAMING LOCATIONS AND HEADER SIZES, IF
- APPLICABLE.
- SEE STANDARD DETAIL CATEGORY "IT" SHEET(S) FOR INTERIOR TRIM DETAILS. SEE ARCHITECTURAL DETAIL SHEET "AD" FOR HOUSE
- SPECIFIC INTERIOR TRIM OPTION TABLE.
- ALL HEADERS IN NON-BEARING WALLS SHALL BE A SINGLE FLAT 2X4 OR 2X6 ATTACHED TO CRIPPLES
- ABOVE, UNLESS OTHERWISE NOTED. TANKED WATER HEATER SHOWN AS BASE CONDITION,
- OPTIONAL TANKLESS WATER HEATER IS AVAILABLE IN LIEU OF TANKED WATER HEATER.

#### GYPSUM NOTES

AT GARAGE:

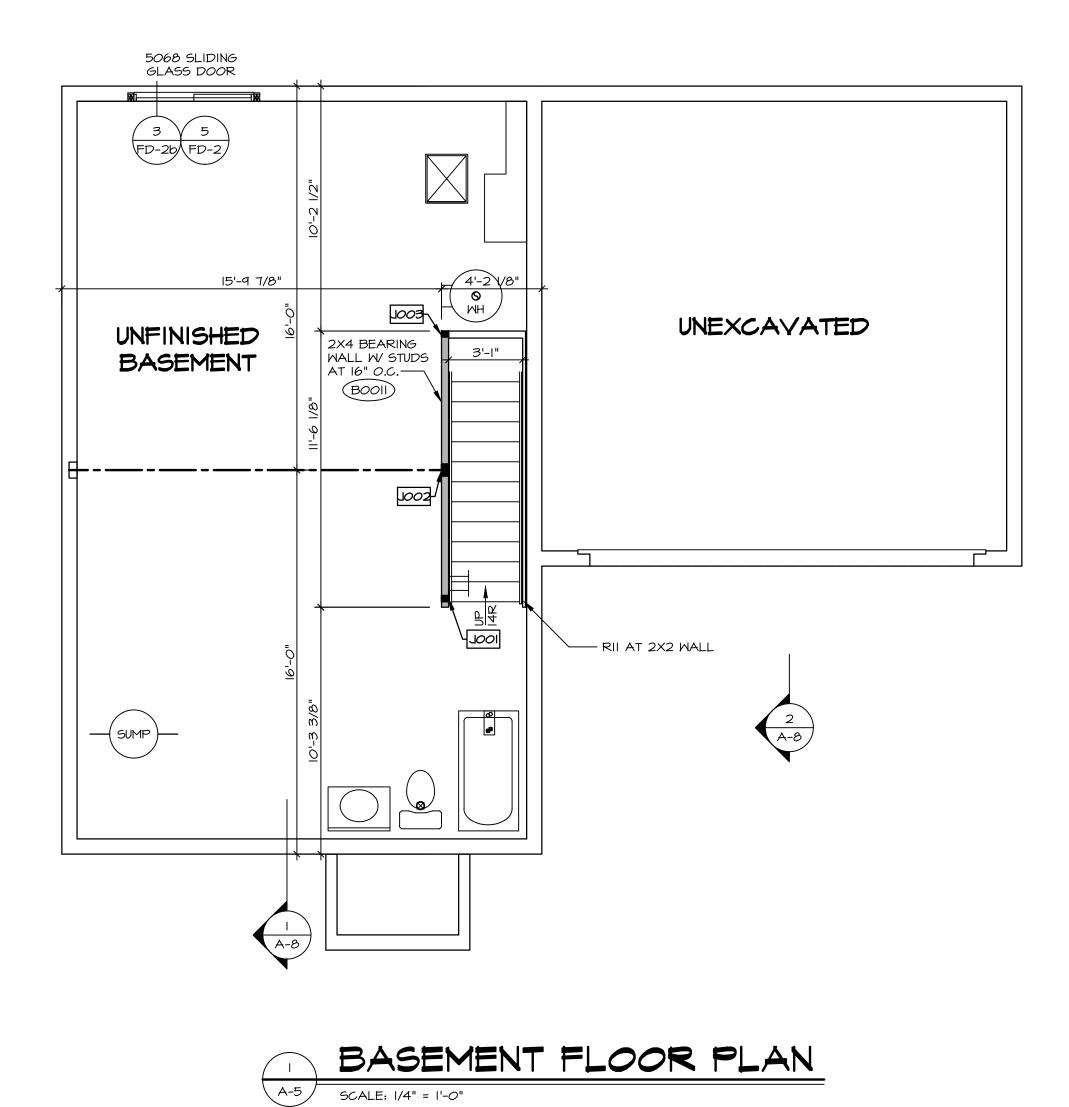
GYPSUM BOARD AT COMMON WALLS, CEILINGS, BEAM WRAPS AND SUPPORTS PER STANDARD DETAIL FA-I(b) FIRE ASSEMBLIES OR AS REQUIRED BY LOCAL CODE.

AT STAIRS:

I/2" GYPSUM BOARD AT UNDERSIDE OF STAIRS AND WALLS IN CLOSET

LEGE	END
	BEARING WALL
	NON BEARING WALL
⊗	INDICATES BEARING FROM POINT-LOAD ABOVE
	JACKS
B_	BEAM/HEADER
F_	PAD FOOTING
	STEEL COLUMN
×	TRUSS TIE DOWN
	PORTAL FRAME
X	JOIST/TRUSS
L	LVL
X	ENGINEERING PAGE NUMBER

SEE FC DETAILS FOR FRAMING CONNECTORS



SHET NO.       WODEL         A-5       BIRCH         VERSION OI       VERSION OI         DRAWNG TITLE       VERSION OI         DRAWNG TITLE       DRAWN BY         DA-5       DESEMENT FLOOR PLAN         DA-5       DESEMENT FLOOR PLAN         DRAWNG TITLE       DRAWN BY         DRAWNG TITLE       DRAWN BY         DA-5       DESEMENT FLOOR PLAN         DATE:       DATE:         NM. Int:       DATE:         OPTION       DATE:         OPTION       DESEMENT FLOOR PLAN         DATE:       DATE:         OPTION       DESEMENT FLOOR PLAN         DATE:       DATE:         OPTION       DESEMENT PLOOR PLAN         DATE:       DATE:         DATE:       DESEMENT PLOOR PLAN         DFION DESCRIPTION       DESEMENT PLOOR PLAN         DFION DESCRIPTION       DETOIN DESCRIPTION         Image: A mode of the province of th							A VICE A
DRAWING TITLE     DRAWING TITLE       DRAWING TITLE     DRAWN BY       BASEMENT FLOOR PLAN     DATE:       DATE:     DATE:       DATE:     NVR, Inc.       DATE:     NVR, Inc.       State of the second of t		SET NO. BRHOO VERSION OI		© NVR, Inc., The owner, expressly reserves its copyright and other property rights			The start and a
DATE:     DATE:       NCR.     NCR.       NCR.     NCR.       NCR.     NCR.       SIREET ADDRESS       OPTION DESCRIPTION       Frederick, MD 21703       CITY       CITY		DRAWN BY		in these plans. These plans are not to be reproduced, changed, or copied in any form or manner	COMM-LOT		- WNO 12440
OPTION DESCRIPTION     5285 Westview Drive, Suite 100     Tirst obtaining the expressed written     STREET ADDRESS       Frederick, MD 21703     5285 Westview Drive, Suite 100     first obtaining the expressed written     Erederick, MD 21703       CITY     CITY     CITY     CITY     Erederick, MD 21703		DATE:		whatsoever, nor are they to be assigned to any third marky without			
Frederick, MD 21703 Frederick, MD 21703 CONSTITUTION WAY, INC.	OPTION DESCRIPTION	OPTION	NVR, Inc. 5285 Westview Drive, Suite 100	first obtaining the expressed written	STREET ADDRESS	APT. NO.	
CITY STATE			Frederick, MD 21703				くしていた
	<u>0</u>					ZIP	A DEDICATION

#### FIRST FLOOR JACK SCHEDULE

IDENTIFIER	DESCRIPTION	ENG. NUM.
OOIL	JACK - (4) 2X4 SPF STUD GRADE	1004
IOIL	JACK - (2) 2X4 SPF STUD GRADE	1002
JIO2	JACK - (3) 2X4 SPF STUD GRADE	1015
EOIL	JACK - (3) 2X4 SPF STUD GRADE	1015
JIO4	JACK - (4) 2X4 SPF STUD GRADE	1004
JI05	JACK - (2) 2X4 SPF STUD GRADE	1008
90IL	JACK - (2) 2X4 SPF STUD GRADE	1008

#### FLOOR PLAN NOTES

- ALL HEADERS ARE (2) 2x6 w/ 2x4 WALLS OR (3) 2x6 w/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
   ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK AND KING STUD EACH END, UNLESS OTHERWISE NOTED.
- MULTI-OPENING HEADERS TO HAVE (2) JACKS AT INTERMEDIATE BEARING, UNLESS OTHERWISE NOTED. NO ADDITIONAL FLOOR SYSTEM BLOCKING OR CONTINUOUS LOAD PATH JACKS ARE REQUIRED UNLESS OTHERWISE NOTED.
- 3. ALL EXTERIOR WALLS TO BE 4" W/ OSB OR 3 1/2" W/ LAMINATED FIBROUS STRUCTURAL SHEATHING, ALL INTERIOR WALLS TO BE 3 1/2", UNLESS OTHERWISE NOTED.
- HATCHED AREAS INDICATE DROPPED CEILINGS. ALL DROPPED CEILINGS ARE 12" UNLESS OTHERWISE NOTED.
   SEE "BRACED WALL PANEL DETAIL SHEET" FOR SPECIAL
- WALL FRAMING LOCATIONS AND HEADER SIZES, IF APPLICABLE.
- 6. SEE STANDARD DETAIL CATEGORY "IT" SHEET(S) FOR INTERIOR TRIM DETAILS.
- SEE ARCHITECTURAL DETAIL SHEET "AD" FOR HOUSE SPECIFIC INTERIOR TRIM OPTION TABLE.
   ALL HEADERS IN NON-BEARING WALLS SHALL BE A
- SINGLE FLAT 2X4 OR 2X6 ATTACHED TO CRIPPLES ABOVE, UNLESS OTHERWISE NOTED.
- TANKED WATER HEATER SHOWN AS BASE CONDITION, OPTIONAL TANKLESS WATER HEATER IS AVAILABLE IN LIEU OF TANKED WATER HEATER.

#### GYPSUM NOTES

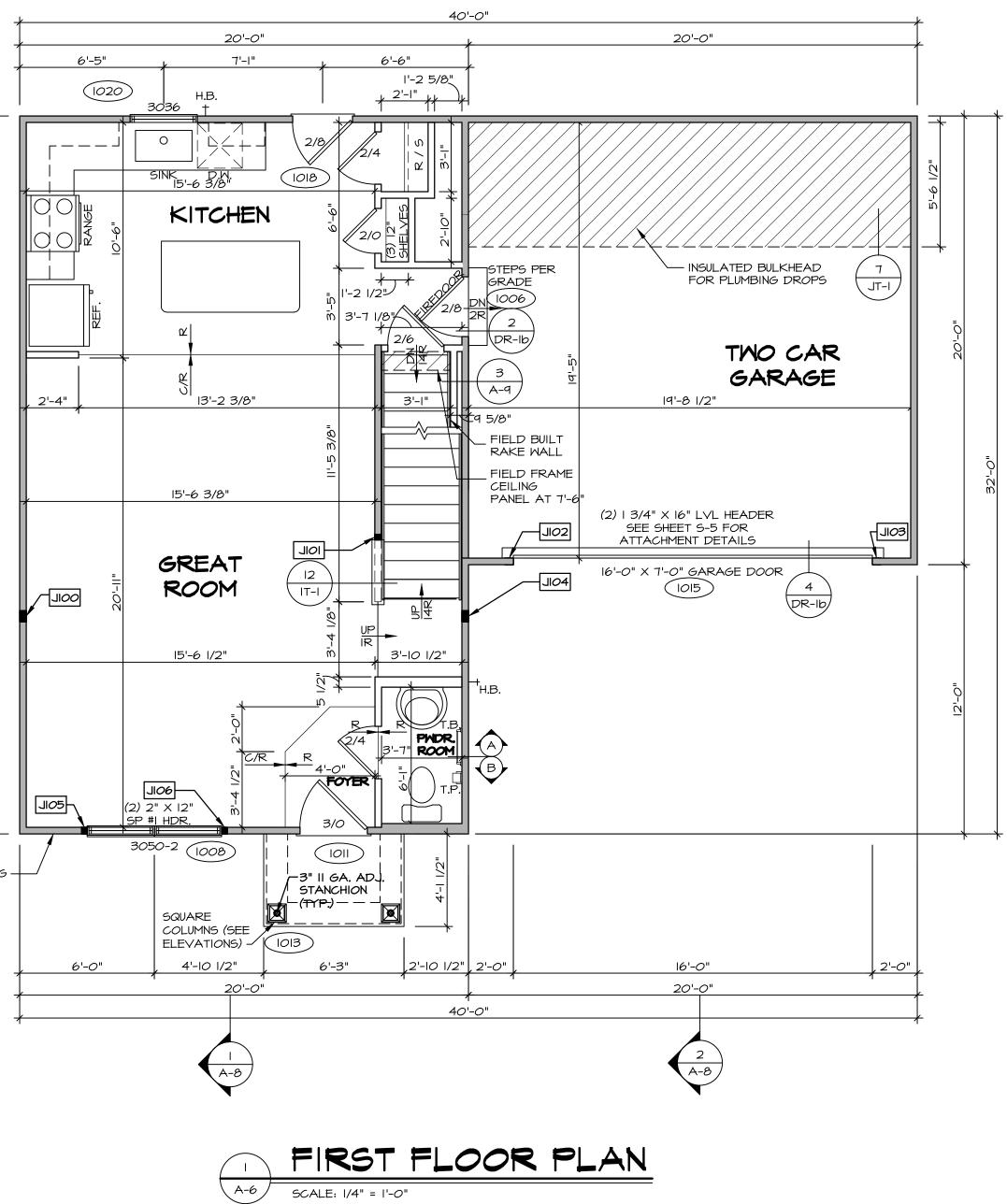
AT GARAGE:

GYPSUM BOARD AT COMMON WALLS, CEILINGS, BEAM WRAPS AND SUPPORTS PER STANDARD DETAIL FA-I(b) FIRE ASSEMBLIES OR AS REQUIRED BY LOCAL CODE.

AT STAIRS: 1/2" GYPSUM BOARD AT UNDERSIDE OF STAIRS AND WALLS IN CLOSET

LEGEND BEARING WALL NON BEARING WALL INDICATES BEARING FROM POINT-LOAD ABOVE  $\otimes$ J\_\_\_\_\_ JACKS (B\_ BEAM/HEADER F\_ PAD FOOTING × TRUSS TIE DOWN X PORTAL FRAME X JOIST/TRUSS L\_\_- LVL X ENGINEERING PAGE NUMBER SEE FC DETAILS FOR FRAMING CONNECTORS

ALL WINDOWS HAVE 7'-0 1/2" HEADER HEIGHT UNLESS OTHERWISE NOTED OSB SHEATHING



						100 100	4
SHEET NO. MODEL BIRCH	SET NO. BRHOO VERSION OI		© NVR, Inc., The owner, expressly reserves its copyright and other property rights			2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E. H.
A-6 DRAWING TITLE FIRST FLOOR PLAN	DRAWN BY		in these plans. These plans are not to be reproduced, changed, or copied in any form or manner whatseever, nor are they to be	COMM-LOT		LA NOVIZADO	AIT.
OPTION DESCRIPTION	UATE: OPTION	5285 Westview Drive, Suite 100	signed to any third party, without st obtaining the expressed written	STREET ADDRESS	APT. NO.		SX8
			CONSENT OT NVK, INC.			 してたノ	24
				CITY	STATE ZIP	DEDICK	DEDICK.

#### FLOOR PLAN NOTES

- ALL HEADERS ARE (2) 2x6 w/ 2x4 WALLS OR (3) 2x6 w/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
   ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK AND KING STUD EACH END, UNLESS OTHERWISE NOTED.
   MULTI-OPENING HEADERS TO HAVE (2) JACKS AT INTERMEDIATE BEARING, UNLESS OTHERWISE NOTED. NO ADDITIONAL FLOOR SYSTEM BLOCKING OR CONTINUOUS LOAD PATH JACKS ARE REQUIRED UNLESS OTHERWISE NOTED.
- ALL EXTERIOR WALLS TO BE 4" w/ OSB OR 3 1/2" w/ LAMINATED FIBROUS STRUCTURAL SHEATHING, ALL INTERIOR WALLS TO BE 3 1/2", UNLESS OTHERWISE NOTED.
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- INTERIOR TRIM DETAILS. 7. SEE ARCHITECTURAL DETAIL SHEET "AD" FOR HOUSE
- SPECIFIC INTERIOR TRIM OPTION TABLE.
  8. ALL HEADERS IN NON-BEARING WALLS SHALL BE A SINGLE FLAT 2X4 OR 2X6 ATTACHED TO CRIPPLES
- ABOVE, UNLESS OTHERWISE NOTED. 9. TANKED WATER HEATER SHOWN AS BASE CONDITION, OPTIONAL TANKLESS WATER HEATER IS AVAILABLE IN LIEU OF TANKED WATER HEATER.

#### GYPSUM NOTES

AT GARAGE:

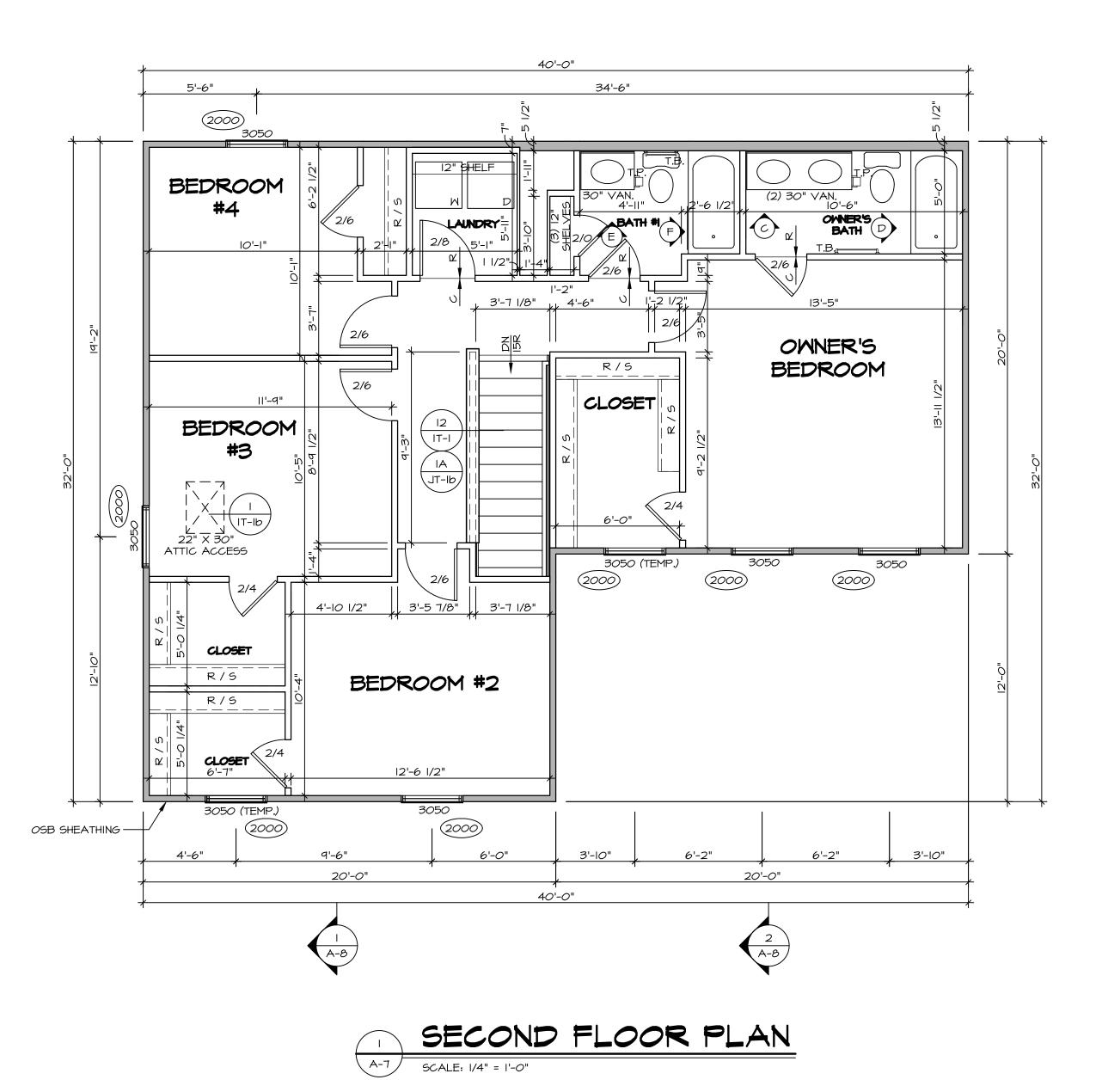
GYPSUM BOARD AT COMMON WALLS, CEILINGS, BEAM WRAPS AND SUPPORTS PER STANDARD DETAIL FA-I(b) FIRE ASSEMBLIES OR AS REQUIRED BY LOCAL CODE.

AT STAIRS:

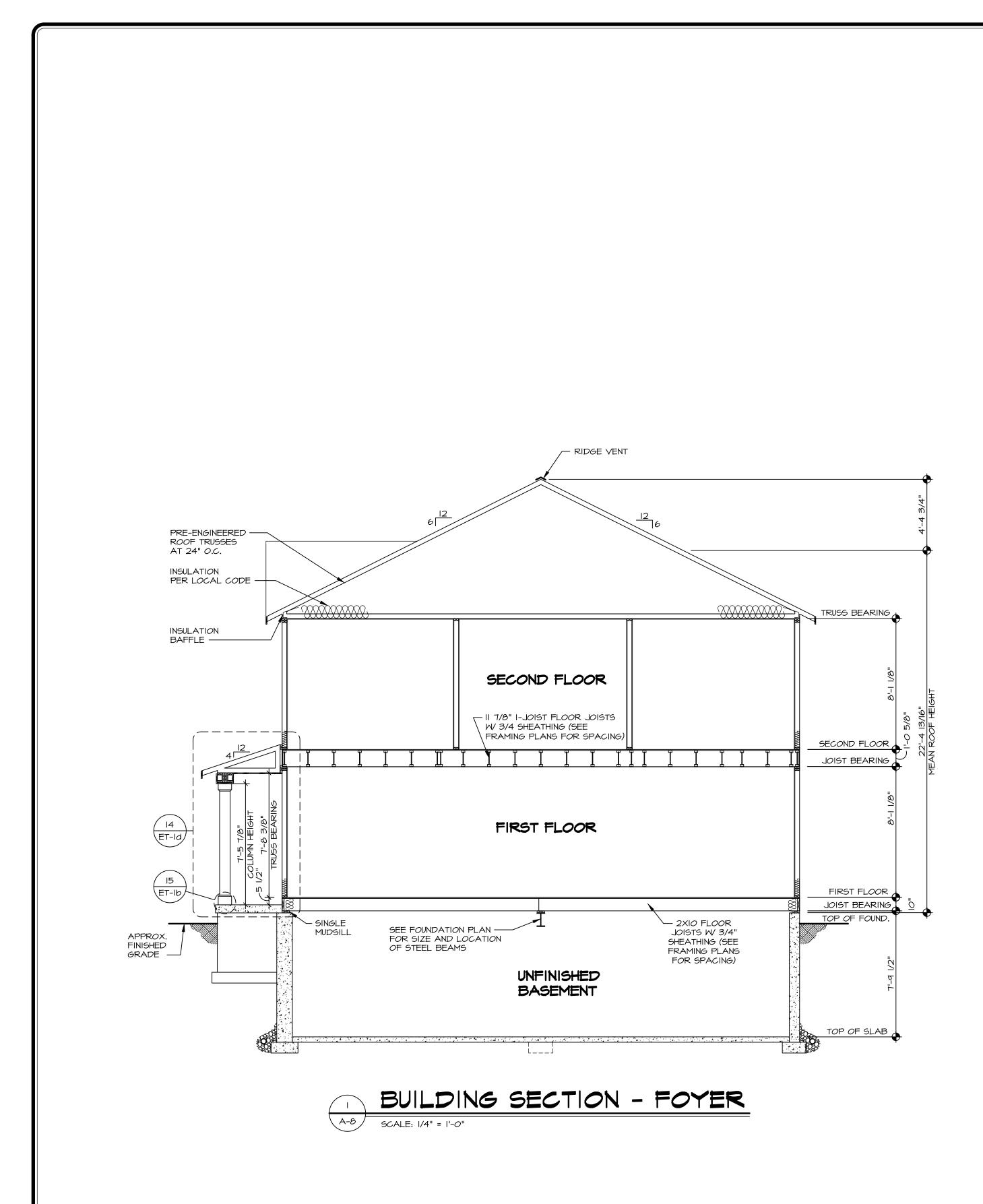
I/2" GYPSUM BOARD AT UNDERSIDE OF STAIRS AND WALLS IN CLOSET

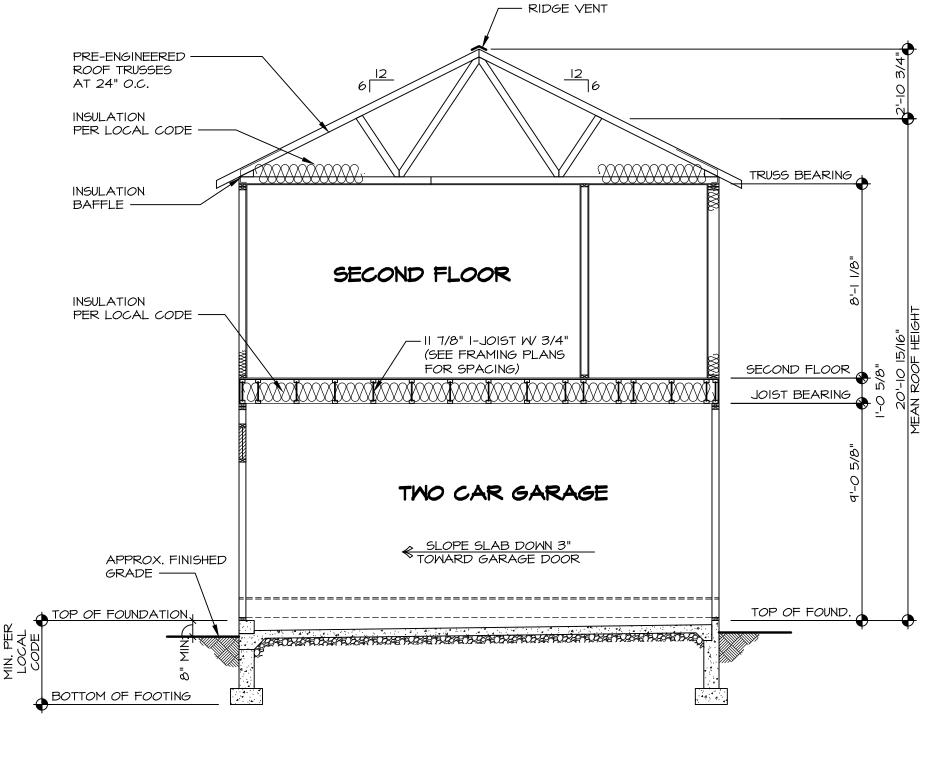
LEGE	END
	BEARING WALL
	NON BEARING WALL
$\otimes$	INDICATES BEARING FROM POINT-LOAD ABOVE
	JACKS
(B_	BEAM/HEADER
F_	PAD FOOTING
	STEEL COLUMN
×	TRUSS TIE DOWN
×	PORTAL FRAME
×	JOIST/TRUSS
L	LVL
X	ENGINEERING PAGE NUMBER
	PETAILS FOR CONNECTORS

ALL WINDOWS HAVE 7'-4 5/8" HEADER HEIGHT UNLESS OTHERWISE NOTED

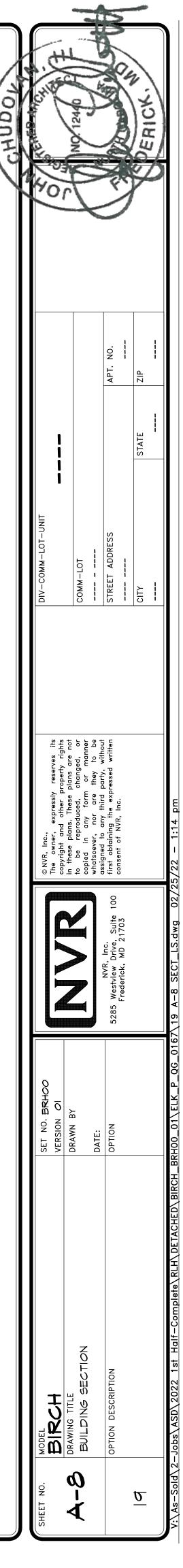


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SHEET NO. MODEL BIRCH	SET NO. BRHOO VERSION OI	© NVR, Inc., The owner, expressly reserves its copyright and other property rights			El ter and sol
A-T DRAWING TITLE SECOND FLOOR PLAN		in these plans. These plans are not to be reproduced, changed, or copied in any form or manner	COMM-LOT		- HUNDIZAGO HIL
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	Frederick, MD 21703		STATE STATE	 ZIP	
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BUILDING SECTION - GARAGE

	FIRST FLOOR	FRAMING	LENGTH	SCHEDULE
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
IAA	JOIST - 2xIO	16'-0"	B0017	
IAA-2	JOIST - 2xIO	16'-0"	B0017	
IAB	JOIST - 2xIO	16'-0"	B0007	
IAB-2	JOIST - 2xIO	16'-0"	B0007	
IAC	JOIST - 2xIO	10'-4 3/4"	B0007	
IAD-2	JST - (2) 2x10 SPF#2	15'-10 1/2"	B0005	PLANT BUILT
IAE-2	JST - (2) 2x10 SPF#2	15'-10 1/2"	B0005	PLANT BUILT
IAF	JOIST - 2xIO	3'-7 1/2"	B0007	
IAG-2	JST - (2) 2×10 SPF#2	10'-1 1/2"	B0005	PLANT BUILT
IAH-2	JST - (2) 2x10 SPF#2	3'-9 1/8"	B0001	PLANT BUILT
LAI	JOIST - 2xIO	3'-5"	B0007	
IAK	JOIST - 2xIO	2'-3 1/8"	B0003	

## LVL PLY TO PLY FASTENING SCHEDULE: (WHERE APPLICABLE BASED ON LVL USAGE)

I.A - (2) PLY UP TO AND INCLUDING II 7/8" TALL: FASTEN PLIES W/ (2) ROWS I6D NAILS AT 12" O.C. OR ALT I 1/2" WIDE LVL FASTEN PLIES W/ (3) ROWS 12D NAILS AT 12" O.C.

2.A - (2) PLY 14" TO AND 18" TALL (INCLUSIVE): FASTEN PLIES W/ (3) ROWS 16D NAILS AT 12" O.C. OR ALT I 1/2" WIDE LVL FASTEN PLIES W/ (4) ROWS 12D NAILS AT 12"O.C.
3.A - (2) PLY 20" TALL AND OVER: FASTEN PLIES W/ (4) ROWS 16D NAILS AT 12" O.C. OR ALT I 1/2" WIDE

1.X - (2) PET 20 TALL AND OVER: PASTEN PLIES W (4) ROAS IND NAILS AT 12 O.C. OR ALT THE WIDE LVL FASTEN PLIES W (5) ROAS 12D NAILS AT 12"O.C.
1.X - (3) PLY UP TO AND INCLUDING II 7/8" TALL: FASTEN PLIES W (2) ROAS 16D NAILS AT 12" O.C.

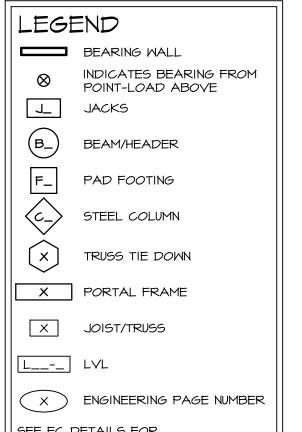
FROM EACH SIDE OR ALT I 1/2" WIDE LVL FASTEN PLIES W/ (3) ROWS 12D NAILS AT 12"O.C. FROM EACH SIDE. 5.A - (3) PLY 14" TO AND 18" TALL (INCLUSIVE): FASTEN PLIES W/ (3) ROWS 16D NAILS AT 12" O.C. FROM

EACH SIDE OR ALT I 1/2" WIDE LVL FASTEN PLIES W/ (4) ROWS 12D NAILS AT 12" O.C. FROM EACH SIDE.
6.A - (3) PLY 20" TALL AND OVER: FASTEN PLIES W/ (4) ROWS 16D NAILS AT 12" O.C. FROM EACH SIDE OR ALT I 1/2" WIDE LVL FASTEN PLIES W/ (5) ROWS 12D NAILS AT 12" O.C. FROM EACH SIDE.

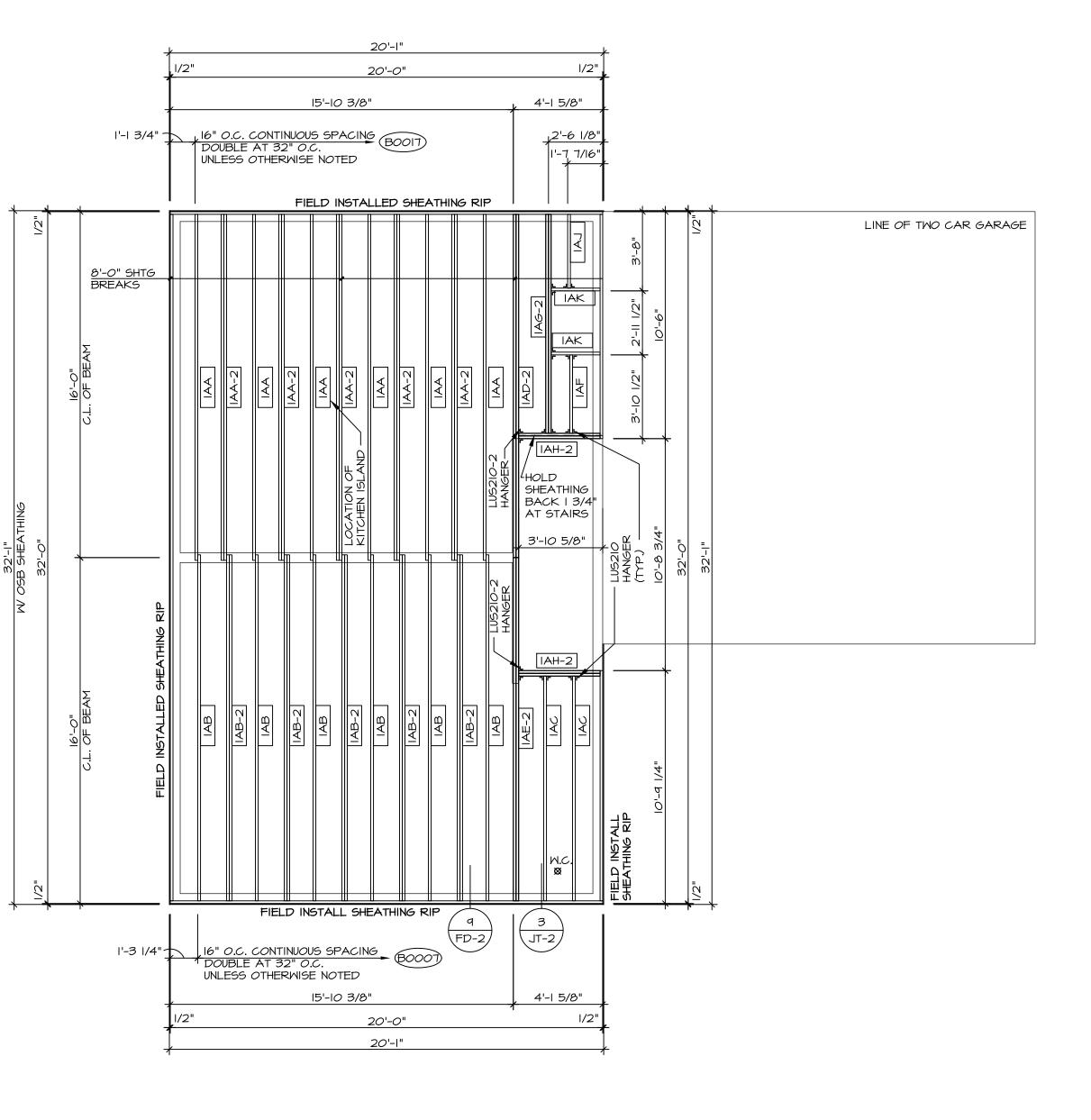
7.A - (4) PLY (ALL SIZES): FASTEN PLIES W/ (2) ROWS I/2" DIAMETER A307 BOLTS AT 24" O.C. SEE SHOP DRAWING FOR ADDITIONAL INFORMATION.

#### 2XIO FLOOR SYSTEM

- SUBFLOOR IS 3/4" TONGUE AND GROOVE OSB STANDARD.
   ALL JOISTS AND RINGS ARE 2XIO SPF #1 OR SPF #2.
- 3. ALL RING MAT'L 14'-O" UNLESS OTHERWISE NOTED.
- 4. ALL SHORT JOISTS, LESS THAN OR EQUAL TO 7'-O", ARE CUT FROM 14'-O" UNLESS OTHERWISE NOTED.
- 5. REFER TO STANDARD DETAILS FOR HOLE CUTTING
- GUIDELINES. (JT-2/2) 6. PROVIDE SOLID 2XIO (UNLESS NOTED OTHERWISE) BLKS BELOW ALL JKS AS REQ'D.
- 7. OPTIONAL CROSS BRIDGING AS REQ'D.
   8. ALL JOIST LENGTHS IN SCHEDULE ARE TO BE CUT FROM
- 2'-O" NOMINAL SIZE JOISTS. 9. SEE CONNECTOR / NAIL CHART IN STANDARD DETAILS
- FOR TYPICAL HANGERS. (FC-4) II. ADHESIVE TO BE APPLIED AT THE RATE OF (I) TUBE PER TWO AND ONE-HALF SHEETS; SHEETS ARE TO BE GLUED
- AND PLACED ONE AT A TIME. APPLY GLUE TO TONGUE AND GROOVE.
- 12. JOIST FRAMING FROM OPPOSITE SIDES OVER A BEARING SUPPORT SHALL LAP NOT LESS THAN 3 INCHES, AND SHALL BE NAILED TOGETHER WITH A MINIMUM OF THREE IOD FACE NAILS.



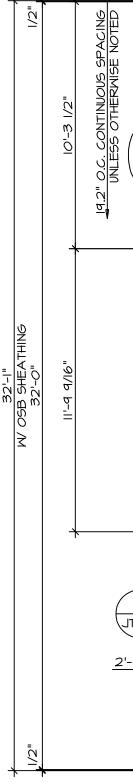
SEE FC DETAILS FOR FRAMING CONNECTORS





SHET NO.       MOBL       Inv. BRH NO.       Div. Colum-LoT-UNIT       Div. Colum-LoT-UNIT         FIERD       VERSION OI       VERSION OI       VERSION OI       VERSION OI       VERSION OI         S-I       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE         S-I       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE         S-I       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE         S-I       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE         DATE:       DATE:       DATE:       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE       DRAWNE TILE         S285 Westive Drive, Suite DOTON       OPTION DESCRIPTION       OPTION DESCRIPTION       DRAWNE TILE       DRAWNE         26       DOTION DESCRIPTION       DPTION       DRAWNE, DIVE       DRAWNE       DRAWNE         26       DATE:       DPTION       DPTION       DPTION       DPTION       DPTION         270       DPTION       DPTION       DPTION       DPTION       DPTION       DPTION         26       DPTION       DPTION       DPTION       DPTIO								Charles A	
DRAWIG TILE     DRAWIG TILE       DRAWIG TILE     DRAWIG TILE       PIEST FLOOR JOIST LAYOUT     DATE:       DATE:     DATE:<	SHEET NO.	MODEL BIRCH	SET NO. BRHOO VERSION OI		© NVR, Inc., The owner, expressly reserves its copyright and other property rights			The state of a	.4
DATE:     NR. Inc.       5285 Westview Drive, Suite 100     5285 Westview Drive, Suite 100       Frederick, MD 21703     21703	- N	PRAWING TITLE FIRST FLOOR JOIST LAYOUT	DRAWN BY	N V IV	in these plans. These plans are not to be reproduced, changed, or copied in any form or manner	COMM-LOT		A MUSIZATO A	
Frederick, MD 21703     Consent of NM, INC.       Frederick, MD 21703     CITY       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, INC.     Image: State of NM, INC.       Image: State of NM, Inc.     Image: State of NM, Inc.       Image: State of NM, Inc.     Image: State of NM, Inc.		OPTION DESCRIPTION	DATE: OPTION	NVR, Inc. 5285 Westview Drive, Suite 100		STREET ADDRESS	APT. NO.		5
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IDENTIFIER 2AA 2AA-2 2AB 2AC 2AD	DESCRIPTION PRI 60 - 11-14 PRI 60 - 11-14 DBL	LENGTH	ENG. NUM			
2AA 2AA-2 2AB 2AC	PRI 60 - 11-14		I FNG NUM			
2AA-2 2AB 2AC				•	REMARKS	
2AB 2AC		19'-9 3/4"			1.0000	
2AC		19'-9 3/4"			J-0002	
	PRI 60 - 11-14 PRI 60 - 11-14	15'-10 1/2' 15'-11 1/8"				
1511	PRI 60 - 11-14 PRI 60 - 11-14	15'-11 1/8" 19'-10 7/8		-		
2AE	PRI 60 - 11-14	39'-9 3/4				
2AL 2AH	PRI 60 - 11-14	20'-1 1/4"		+		1
2/(1 2AJ	PRI 60 - 11-14	20'-2 3/8				
2/10						7
DENTIFIER	SECOND FLC		LENGIH	ENG. NUM.		-
L20I-I	LVL 1.75 - 11-		3'-5  3/ 6"	1002		_
	TO PLY FAST					
ALT   2.A - (2) PL ALT   3.A - (2) PL LVL F, 1.A - (3) PL	I/2" WIDE LVL FASTEN Y 14" TO AND 18" TALI I/2" WIDE LVL FASTEN Y 20" TALL AND OVEI ASTEN PLIES W/ (5) RO Y UP TO AND INCLUDIN EACH SIDE OR ALT I	I PLIES W/ (2 _ (INCLUSIVE I PLIES W/ (4 R: FASTEN F DWS I2D NAI IG II 7/8" TA	3) ROWS 12D 1 5): FASTEN PL 4) ROWS 12D 1 PLIES W/ (4) R LS AT 12"O.C. ALL: FASTEN F	VAILS AT 12' IES W/ (3) R VAILS AT 12' 20WS 16D NA PLIES W/ (2)	O.C. OWS 16D NAILS AT O.C. ILS AT 12" O.C. OR ROWS 16D NAILS A	12" O.C. OR ALT I 1/2" WIDE T 12" O.C.
5.A - (3) PL` EACH 5.A - (3) PL` OR AL 1.A - (4) PL`	Y 14" TO AND 18" TALL SIDE OR ALT I 1/2" WI Y 20" TALL AND OVE T I 1/2" WIDE LVL FAS Y (ALL SIZES): FASTEN HOP DRAWING FOR AL	DE LVL FAS R: FASTEN F STEN PLIES M N PLIES W/ ()	TEN PLIES W/ PLIES W/ (4) R N/ (5) ROWS I 2) ROWS I/2"	(4) ROWS 12 20WS 16D NA 2D NAILS AT	2D NAILS AT 12"0.C. ILS AT 12" O.C. FRO 12"0.C. FROM EAC	FROM EACH SII DM EACH SIDE H SIDE.
I. SUBFLO 2. JOIST L CUT FRO 3. ALL RIM 4. REFER 5. PROVID WALLS 6. REFER 7. ALL JOI SCHEDU A. P 8. SEE COI (FC-4) F 10. ALL LV 11. ADHESI TWO AN AND PL AND GE 12. I-JOIST 13. ADHESI TO SET	IBOARD TO BE I-I/8" TO STANDARD DETAIL NES. E RIMBOARD SOLID E AND BELOW ALL JACK TO DETAIL <b>8/JT-3</b> FOR STS TO BE PRI40, PR LE FOR SPECIFIC SER RI40 SERIES ARE SHO LAN. NNECTOR / NAIL CHAR FOR TYPICAL HANGER L BLOCKING CUT FRO VE TO BE APPLIED A D ONE-HALF SHEETS; ACED ONE AT A TIME BLOCKING CUT FROM VE TO BE ADDED TO TING JOISTS.	ID GROOVE IE NEXT HIG THICK U.N.O. 7/JT-3 FOR CS AS REQU R HANGER D CO OR PRIA CO OR PRI	OSB STANDA HEST LENGTH R HOLE CUTTIN T EXTERIOR IRED. DETAIL. 30, REFERENC MBER. DED ON FRAN ARD DETAILS TERIAL. OF (I) TUBE F TO BE GLUES JE TO TONSU	VG VG 1ING DER DER		
$\otimes$ J B $\mathbb{H} \langle \mathcal{V} \rangle \langle \mathcal{X} \rangle$	BEARING WALL NDICATES BEARING F POINT-LOAD ABOVE JACKS BEAM/HEADER PAD FOOTING STEEL COLUMN TRUSS TIE DOWN PORTAL FRAME JOIST/TRUSS	ROM				
	LVL ENGINEERING PAGE NU ETAILS F <i>O</i> R	MBER				



-	[/2"	40'-1" 40'-0"		*			
-	ジー サー リン リン リン リン リン リン リン リン リン リン リン リン リン	40-0"	8'-0" SHTG BREAKS			J	1
	2AD $2AE$ $2AC$ $C$ $C$ $C$ $C$ $C$ $C$ $C$ $C$ $C$	8     2AJ     2AJ     8       2     2     2AJ     2AJ       1     2     2AJ     2AJ       1     2     2AJ     2AJ       4'-0"     4'-0"     13'-8 1/2"       2AH     2AH       2AH     2AH       2AH     2AH       2AH     2AH       2AH     2AH		ELD INSTALLED SHEATHING RIP	(1000) 19.2" O.C. CONTINUOUS SPACING '5'-6 1/2" UNLESS OTHERWISE NOTED' 20'-0"	, 32'-0" 1/2"	32'-1" M/ ACB CUEATUNIC
-4 1/2" ДТ-30	2AA-2     UU52.56-II.88       3'-I 3/8"     4'-0"       2AA     4'-0"       2AA     JT-3       AD-I       ANGLED PLATFORM (A-393I)	6 JT-3b PRE-BUILT ANGLED FLOOR ASSEMBLY, SEE SHOP DRAWING A-393I FASTEN ASSEMBLY TO FLOOR FRAMING AT LVL THROUGH OSB WITH (2) ROWS 6d NAILS SPACED AT 12" O.C. SHEATHING JOINT SHALL NOT OCCUR AT ASSEMBLY / FLOOR FRAMING INTERFACE			12'-0"	1/2"	
-	20'-0" //2" W/ 05	20'-0" 40'-0" 40'-1" 3B SHEATHING	1/2"	* * *			

## SECOND FLOOR FRAMING PLAN

5-2 SCALE: 1/4" = 1'-0"

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BIRCH	VERSION OI	© NVK, Inc., The owner, expressly reserves its copyright and other property rights		10/00/
<b>G-2</b> DRAWING TITLE SECOND FLOOR JOIST LAYOUT		in these plans. These plans are not to be reproduced, changed, or copied in any form or manner	COMM-LOT	THUSISHA HIT
	DATE:	whatsoever, nor are they to be assigned to any third party without		
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		TRUS	S SCHE	DULE	
IDENTIFIER	SPECS	TRUSS NUMBER	LENGTH	ROOF PITCH (X/I2)	TYPE
AA	SE	13176	32'-0"	6/12	COMMON
AB	SE	13177	32'-0"	6/12	SPECIAL
AC	SE	13152	20'-0"	6/12	COMMON
AF	SE	13155	3'-10 1/2"	4/12	MONO
AH	SE	16940	32'-0"	6/12	STUDDED GABLE
LA	SE	16941	32'-0"	6/12	GABLE END
AK	SE	16942	20'-0"	6/12	GABLE END
<u>∨0</u>	VT	01261	2'-0"	12-6/12	VALLEY
<i>∨0</i> 2	VT	01262	4'-0"	12-6/12	VALLEY
<i>∨0</i> 3	VT	01263	6'-0"	12-6/12	VALLEY
√04	VT	01264	8'-0"	12-6/12	VALLEY
√06	VT	94708	8'-4"	12-6/12	VALLEY

#### FIELD INSTALLED ROOF FRAMING BEAM/HEADER

	SCH	EDULE		
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
B201	BEAM BUILT 2X8 - 2 PLY RFF	6'-0"	1013	

#### ROOF FRAMING NOTES

- REFER TO THE STANDARD DETAILS FOR THE FOLLOWING:
- I.I. TRUSS TIE-DOWNS (I/RF-I) I.2. PIGGYBACK TRUSS ATTACHMENT (2/RF-I)
- 1.3. VALLEY GABLE TRUSS BRACING (3/RF-I)
- I.4. GABLE BRACING (I/RF-Ic)
- 1.5. TRUSS BRACING (2/RF-1c)
- I.6. LIFELINE ATTACHMENT (5/RF-I) I.7. FALL PROTECTION ON PLATFORM TRUSSES (II/RF-I)
- 2. IF TRUSS DOES NOT APPEAR ON THE TRUSS BRACING SHEET, NO ADDITIONAL LATERAL BRACING REQUIRED.

#### NOTES:

- . SEE GENERAL NOTES (N-I) FOR
- ADDITIONAL INFORMATION. 2. SCHEDULES (N-2)
- 3. LVL NAILING SCHEDULE (N-I)

LEGEND	

	BEARING WALL
$\otimes$	INDICATES BEARING FROM POINT-LOAD ABOVE
L	JACKS
(B_)	BEAM/HEADER

$\bigcirc$	
F_	PAD FOOTING
$\langle c \rangle$	STEEL COLUMN

X TRUSS TIE DOWN

X PORTAL FRAME

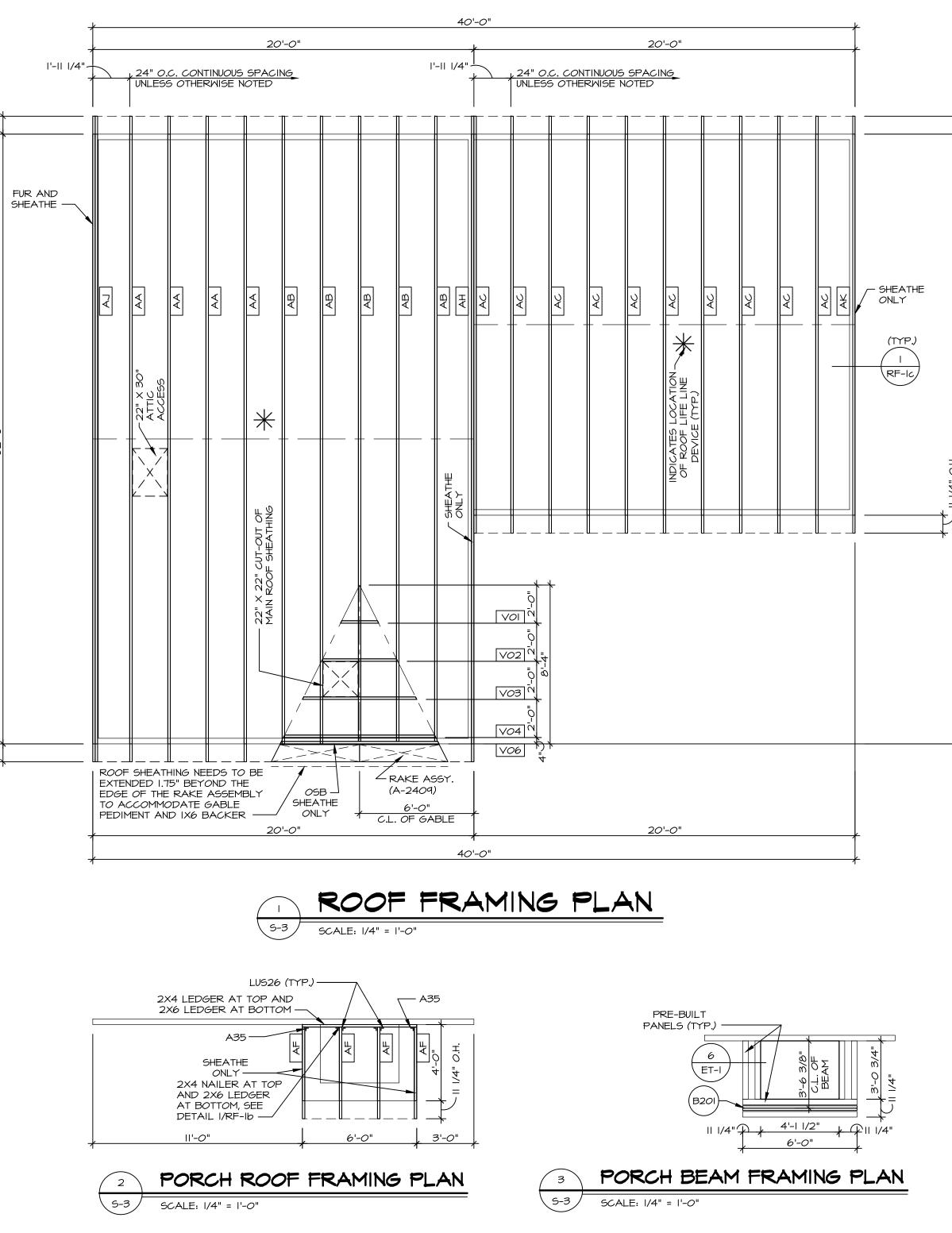
X JOIST/TRUSS

L\_\_\_ LVL

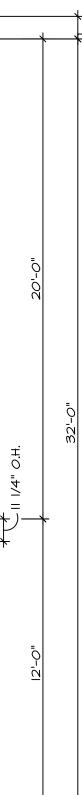
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SEE FC DETAILS FOR FRAMING CONNECTORS

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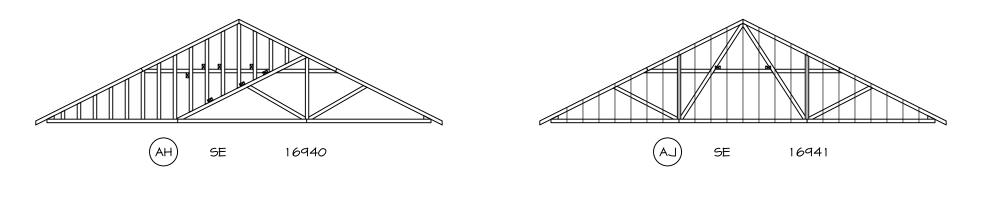
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ທ - ທ	ROOF FRAMING PLAN	DRAWN BY DATE:		in mose plans. mose plans are not to be reproduced, changed, or copied in any form or manner whatsoever, nor are they to be	COMM-LOT			LA M	1246 HIL
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#### TRUSS BRACING NOTES

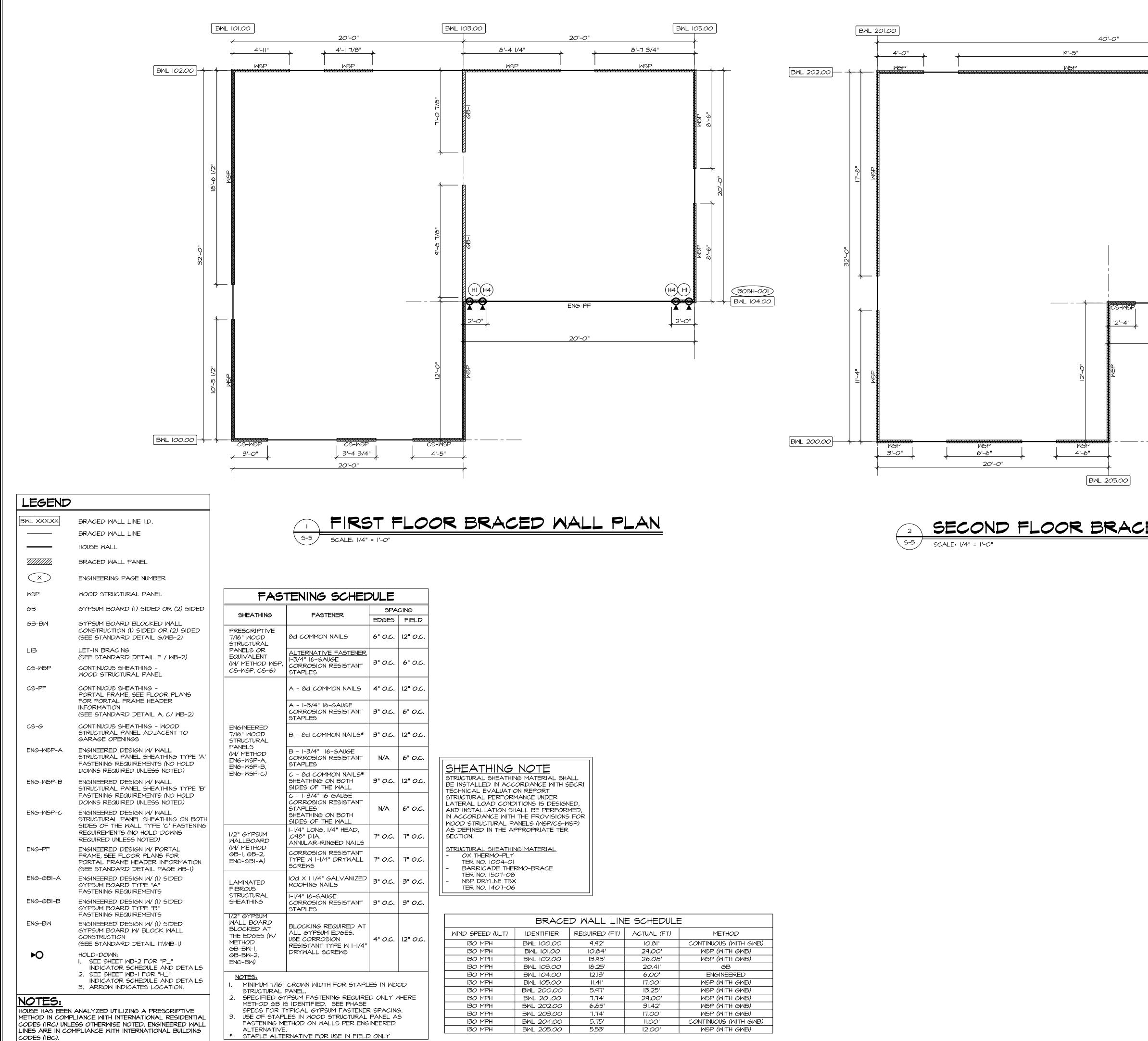
- IF TRUSS DOES NOT APPEAR ON THIS TRUSS BRACING SHEET, NO ADDITIONAL LATERAL BRACING IS REQUIRED.
   IX6 SPF#2 LATERAL BRACES SHALL BE NAILED TO MINIMUM (3) TRUSS MEMBERS WITH MINIMUM (2) IOD
- NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING.
- 3. WEB "T" BRACE, DETAIL 3/RF-IC, IS REQUIRED WHERE LATERAL BRACING IS NOT CONTINUOUS ACROSS THREE (3) OR MORE TRUSSES AND MAY BE USED IN

- HREE (3) OR MORE TRUSSES AND MAY BE USED IN LIEU OF IX6 LATERAL BRACING.
   DIAGONAL BRACING REQUIRED WHEN LATERAL BRACING IS REQUIRED (1/RF-I)
   STUDDED GABLE BRACING DETAIL I/RF-IC TO BE UTILIZED FOR TRUSSES 6'-9" IN HEIGHT OR GREATER.
   PARTIALLY SHEATHED GABLES, SEE 5/RF-IC FOR "L" BRACING WHEN REQUIRED
- BRACING WHEN REQUIRED.
- OF THE WEB MEMBER IDENTIFIED IN THE DRAWING. 8. SHEATHING (OSB OR GYPSUM) REPLACES LATERAL AND DIAGONAL TRUSS BRACING.



TRUSS BRACING S-4 SCALE: 1/8" = 1'-0"

Inter No.       MOEL         Ref No.       BIRCH         VERSION OI       VERSION OI         VERSION OI       VERSION OI         BIRCH       VERSION OI         PRAWN BY       VERSION OI         DRAWN TILE       DATE:         MANG, Inc.       VERSION OI         DATE:       NMR, Inc.         SIZE BRACING       OPIDON DESCRIPTION         OPIDON DESCRIPTION       OPIDON DESCRIPTION         J210       DESCRIPTION					CHUDOL
DRAWNG IIILE     DRAWN BY       TRUSS BRACINS     DATE:       DATE:     DATE:       <		SET NO. BRHOO	© NVR, Inc., The owner, expressly reserves its copyright and other property rights		+ 14/ 5/00
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BRACE	D WALL LIN	E SCHEDULE	
IDENTIFIER	REQUIRED (FT)	ACTUAL (FT)	METHOD
BWL 100.00	9.92'	10.81'	CONTINUOUS (WITH GWB)
BWL 101.00	10.84'	29.00'	WSP (WITH GWB)
BWL 102.00	13.93'	26.08'	WSP (WITH GWB)
BWL 103.00	18.25'	20.41'	GB
BWL 104.00	12.13'	6.00'	ENGINEERED
BWL 105.00	.4 '	17.00'	WSP (WITH GWB)
BWL 2 <i>00.00</i>	5.97'	13.25'	WSP (WITH GWB)
BWL 201.00	7.74'	29.00'	WSP (WITH GWB)
BWL 202.00	6.85'	31.42'	WSP (WITH GWB)
BWL 203.00	7.74'	17.00'	WSP (WITH GWB)
BWL 204.00	5.75'	II <i>.00</i> '	CONTINUOUS (WITH GWB)
BWL 205.00	5.53'	12.00'	WSP (WITH GWB)

			<u>Ed Mall Plan</u>	CS-WSP 3'-2" 20'-0" BWL 204.00 CS-WSP CS-WSP 2'-4" CS-WSP 20'-0" BWL 204.00	MSP  O'-q"  20'-0"	
						CHUDOL
SHEET NO. MODEL BIRCH DRAWING TITLE	SET NO. BRHOO VERSION OI DRAWN BY SKB	NVR	© NVR, Inc., The owner, expressly reserves its copyright and other property rights in these plans. These plans are not to he reproduced. changed. or	DIV-COMM-LOT-UNIT		2 A MUO 1246 P
MALL BRACING DETAILS OPTION DESCRIPTION	DATE: OPTION	NVR, Inc. 5285 Westview Drive, Suite 100 Frederick, MD 21703	copied in any form or manner whatsoever, nor are they to be assigned to any third party, without first obtaining the expressed written consent of NVR, Inc.	COMM-LOI  STREET ADDRESS 		
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40'-0"

2'-4'