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ELEVATIONS FOUNDATIONS	4 5													DR-Ib
FOUNDATION HOLD DOWNS	6													DICTO
PLUMBING	7													ET-lb
FIRST FLOOR PLAN	9													ET-Ic
SECOND FLOOR PLAN BUILDING SECTIONS	10 II											<u> </u>		ET-Id
STAIR SECTIONS	12											+		ET-lg
FIRST FLOOR ELECTRICAL	16													
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NVR, Inc. 5285 Westview Drive, Suite 100 Frederick, MD 21703

FIRST FLOOR SG	RUARE FOOTAGE
DESCRIPTION	TOTAL SQ. FT.
IST FLOOR (BASE SF)	901 SF
	901 SF
second floor s	QUARE FOOTAGE
DESCRIPTION	TOTAL SQ. FT.
2ND FLOOR (BASE SF)	1302 SF
	1302 SF
garage squa	RE FOOTAGE
DESCRIPTION	TOTAL 5Q. FT.
TWO CAR GARAGE	402 SF
	402 SF
UNFINISHED SQU	ARE FOOTAGE
DESCRIPTION	TOTAL 5Q. FT

TOTAL FINISHED SQUARE FOOTAGE						
TOTAL SQ. FT.						
901 SF						
1302 SF						
2203 SF						

SET - VERSION
EMMOO - 0

CS-

#### GENERAL

- 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
- 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 2017 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	FLOOR R-VALUE	BASEMENT WALL R-VALUE UNFIN. / FIN.	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE
3	<i>0.3</i> 5	0.30	38	15 / 19	19	5/15	NA:	5/15
4	0.35	0.30	38	15 / 14	19	10 / 15	10	10 / 15

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

- Air conditioner - 14 SEER - Gas furnace - 92% / 96% - Heat Pump - 8.2 HSPF

. 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 Minimum 9.9 sq. in. of vent per linear foot 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

Roof Areas - Top Chord

Table of Loads for House Structure. Per Table 3015

Floor Living Areas	- 40# P.S.F. (LIVe)
-	- IO# P.S.F. (Dead) unless noted otherwise by calculations
Floor Sleeping Areas	- 30# P.S.F. (Live) unless noted otherwise by calculations
	- IO# P.S.F. (Dead) unless noted otherwise by calculations
Garage Floors	- 50# P.S.F. (Live)
-	- 50# P.S.F. (Dead)

- IO# P.S.F. (Dead) - IO# P.S.F. (Live) (Attics without storage) - 20# P.S.F. (Live) (Attics with limited storage)

- IO# P.S.F. (Dead) - 30# P.S.F. (Live) Habitable Attics - Areas up to 130 mph ultimate wind speed per Trusses

- 20# P.S.F. (Live)

Table R301.2(4) - Exposure category 'B' - Areas up to 130 mph ultimate wind speed per Walls Table R301.2(4)

Vult 115 mph 130 mph
Vasa 89 mph 101 mph Note: Linear interpolation between contour lines permitted. - 40# P.S.F. (Live)

- IO# P.S.F. (Dead) Allowable deflection of structural members per IRC Table R301.7

#### <u>Design Criteria</u>

Design Codes National Design specification for Wood Construction by National Forest

2. Specification for the Design Fabrication and Erection of Structural Steel for <u>Buildings</u> by American Institute of Steel Construction.

Materials: Headers\* Southern Pine (KD-19), No. 1 Grade

Spruce-Pine-Fir, Stud Grade Spruce-Pine-Fir, Stud Grade Southern Pine (KD-19), No. 1 Grade

2x10 Hem-Fir (KD-19), No. 2 Grade or better (MCLIB & WWPA) 2x8 Southern Pine (KD-19), No. 1 Grade or better

2x10 Spruce-Pine-Fir (KD-19), No. 2 Grade or better (NLGA)

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. 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 minimum 2,500 PSI per Table R402.2.
- 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 I vapor retarder, in which case the minimum net area of ventilation shall not be less than I 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
- 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. Non-structural garage slabs shall be nominal 3 1/2" thick. Structural garage slabs shall be nominal 4" thick. All garage slabs shall be 3,500 PSI air-entrained concrete on compacted / undisturbed soil per Table R402.2.
- 15. Foundation framing anchors shall be 1/2"x18" 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. 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 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 NYR Flashing Details. 18. Porch slab and exterior concrete work shall be nominal 4" minimum #3500 air entrained

- concrete w/ 6x6 #10 W.W.M unless otherwise noted as specified by engineering. 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 requiréments of Section R404 are met. 21. Termite treatment provided below slabs or to framing members per R318.1

FOUNDATION WALL DESIGNA

NCRBC PRESCRIPTIVE CODE OR ENGINEERED DESIGN PER ACI 332

MALL HEIGHT	WALL THICKNESS	LATERAL SOIL LOAD (a)	UNBALANCED FILL	VERTICAL REINFORCING (b)	HORIZONTAL REINFORGING (b)
		45	6'-0"	NOT REQUIRED	2- #4 BAR5 (f)
	<b>8</b> "	45	7'-0"	NOT REQUIRED (d)	3- #4 BARS (d,e)
		60	6'-0"	NOT REQUIRED (d)	3- #4 BARS (d.e.)
8'-0"			7'-0"	#4 @ 22" O.C. (d)	3- #4 BARS (dø)
		<b>4</b> 5 -	6'-0"	NOT REQUIRED	2- #4 BARS (F)
	lo"		7'-0"	NOT REQUIRED	2- #4 BARS (F)
		60	6'-0"	NOT REQUIRED	2- #4 BARS (F)
		00	7'-0"	NOT REQUIRED	2- #4 BARS (F)
		45	T'-O"	NOT REQUIRED (d)	4- #4 BARS (de)
	ھ	40	8'-0"	#4 @ 19" O.C. (d)	4- #4 BARS (dø)
		40	7'-0"	#4 @ 19" O.C. (d)	4- #4 BARS (dø)
q'-0°		60	8'-0"	#4 <b>@</b> 15" O.C. (d)	4- #4 BARS (de)
' •		45	T'-O"	NOT REQUIRED	3- #4 BARS (g)
	10"	45	8'-O"	NOT REQUIRED (d)	4- #4 BARS (d,e)
		60	7'-0"	NOT REQUIRED (d)	4- #4 BARS (d.e.)
		60	8'-0"	#4 @ 19" O.C. (d)	4- #4 BARS (dø)

NOTE: BACKFILLING OF THE FOUNDATION SHALL NOT TAKE PLACE BEFORE THE BASEMENT SLAB IS IN PLACE AND THE FLOOR FRAMING IS ERECTED OR 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
- 6. 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).

## PLANS

- 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.

above) or a ramp in accordance with Section R311.8.

- 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" aupsum board per
- 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 guard, shall not allow passage of a sphere 6 inches (153 mm) in diameter per R312.1.3.
- 6. 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
- 9. Handralls 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.
- IO. All flashing used (including at windows, doors, and with stone or masonry veneer) shall be corrosion-resistive per £703.4. See NVR Flashing Details.
- II. Wood framed walls assumed to be  $2 \times 4$  stud construction unless otherwise noted on plans. Bearing walls shall have stude 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.
- 14. Interior sheathing shall be 1/2" gypsum wall board unless otherwise noted. Exceptions may include, but are

13. An approved water-resistive barrier shall be applied over sheathing of exterior walls per Section

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 1-1/4" drywall screws.										
		SCREW FASTENING SCHEDULE									
			М	TH ADHESIVE							
		<u>Framina Spacina</u>	Cellings	Load-bra, walls	Non-load-brg. walls						
		16	16	24	24						
		24	16	16	24						
			14117								

• For 1/2" wallboard, nails shall be 1-1/4" long, 1/4" head and .098 diameter shanks with annular ring or acceptable

Load-brg. walls | Non-load-brg. walls

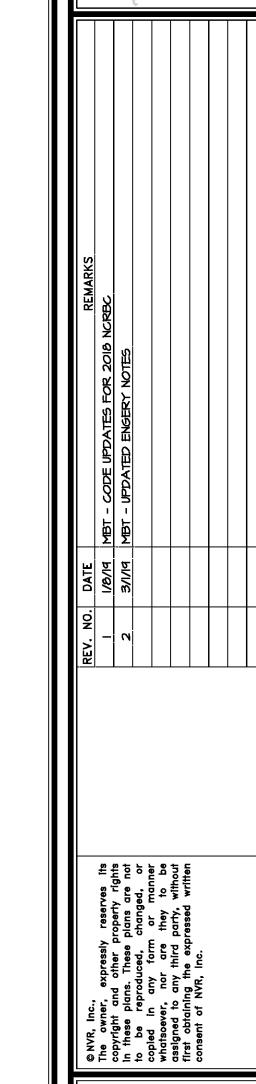
- equivalent and comply with ASTM C514. • For 5/8" wallboard, nails shall be 1-3/8" long, 1/4" head and .098 diameter shanks.
- 17. Garages shall be completely separated from the residence and attic area by not less than 1/2" gypsum board applied to the garage side. Garages beneath habitable rooms shall 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
- 16. 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.I.I Exception #I.

20-minute fire-rated door and be equipped with a self-closing device installed per Section R302.5.I.

- 19. Attic spaces shall be ventilated w/ ridge 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.I
- 22. Heating and cooling equipment installation shall be in accordance with IRC Chapter 14 and the International
- 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
- 27. Exterior egress swing doors shall open onto a landing not more than 8 1/4" below the top of the threshold when door swings in and I 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
- 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
- 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 R3122. 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): 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 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. 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. 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 R302.1. 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
- 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

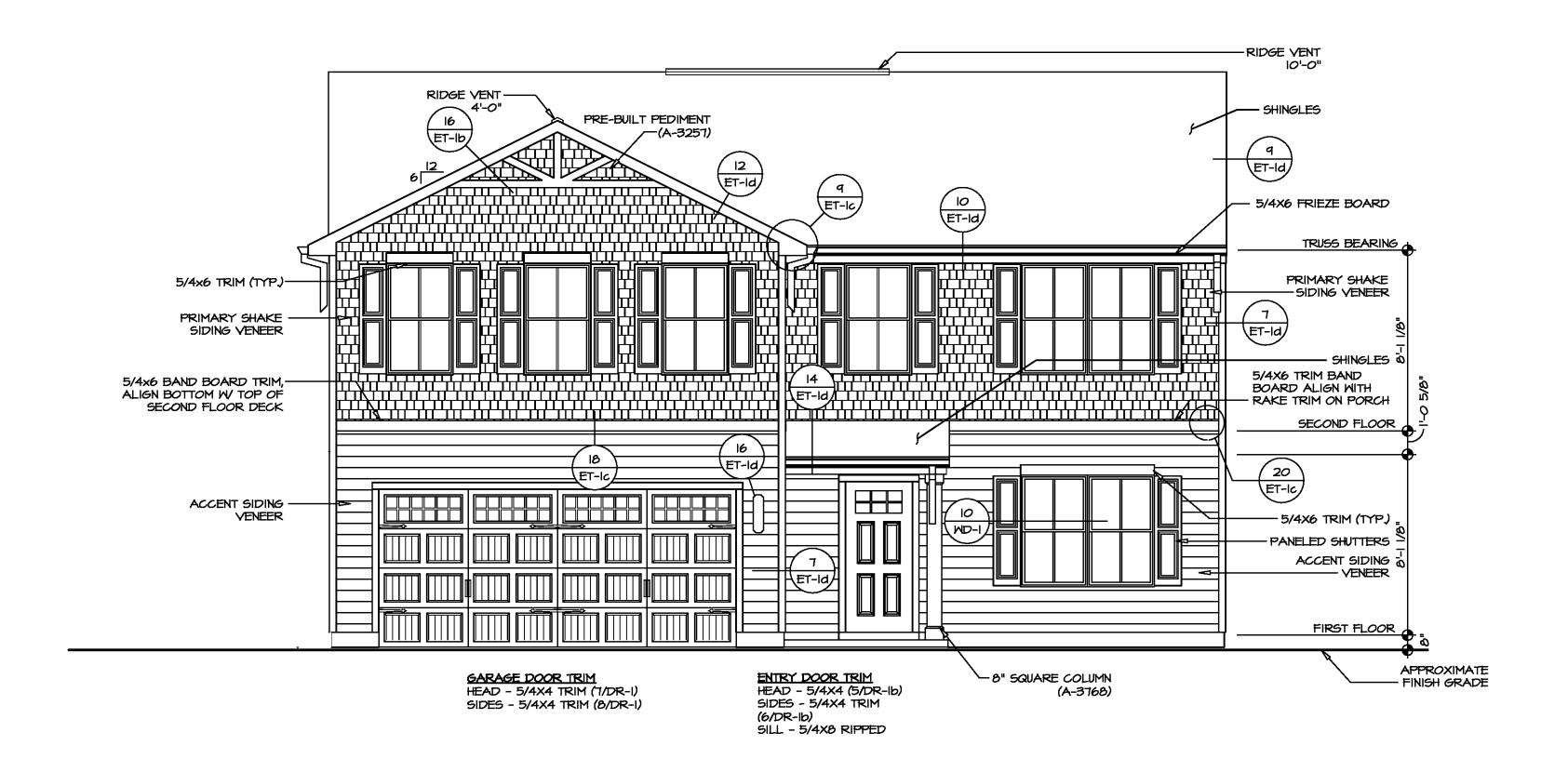
#### ELECTRICAL

- 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
- 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 celling 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 Ifc 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.

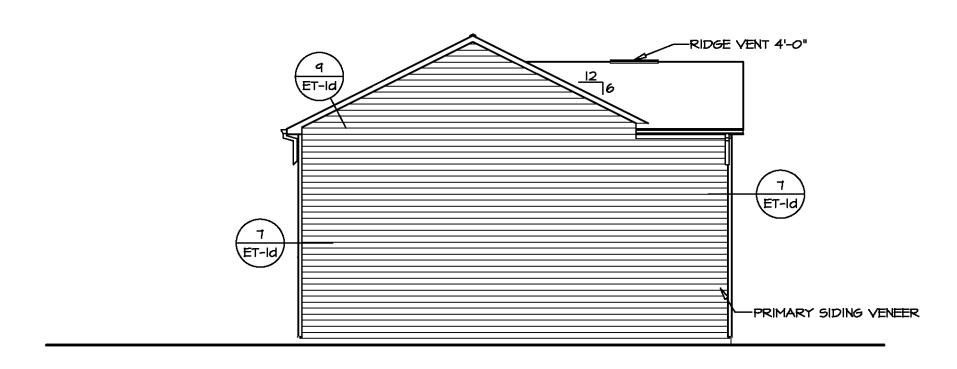


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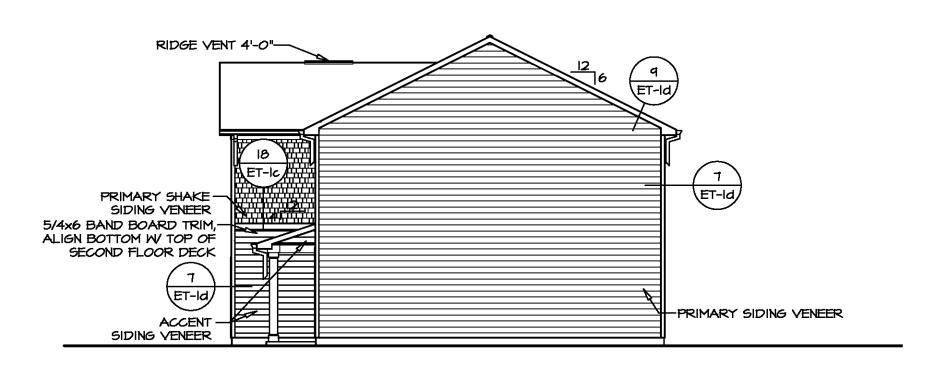
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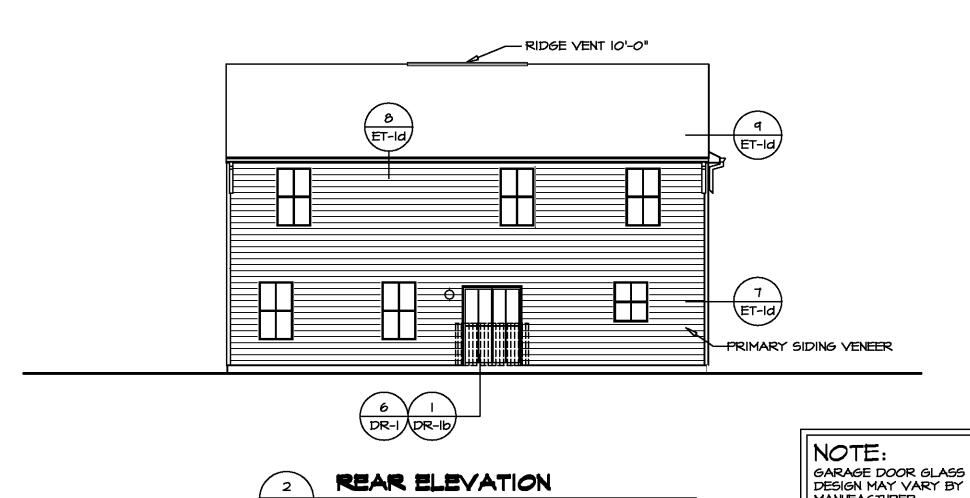






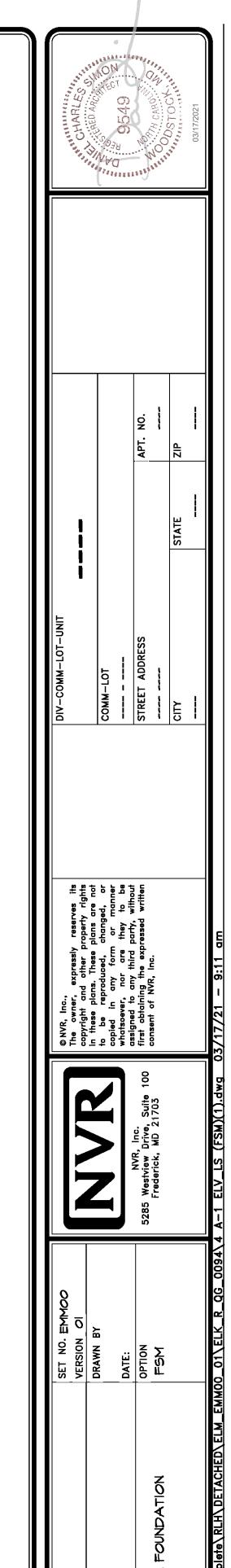




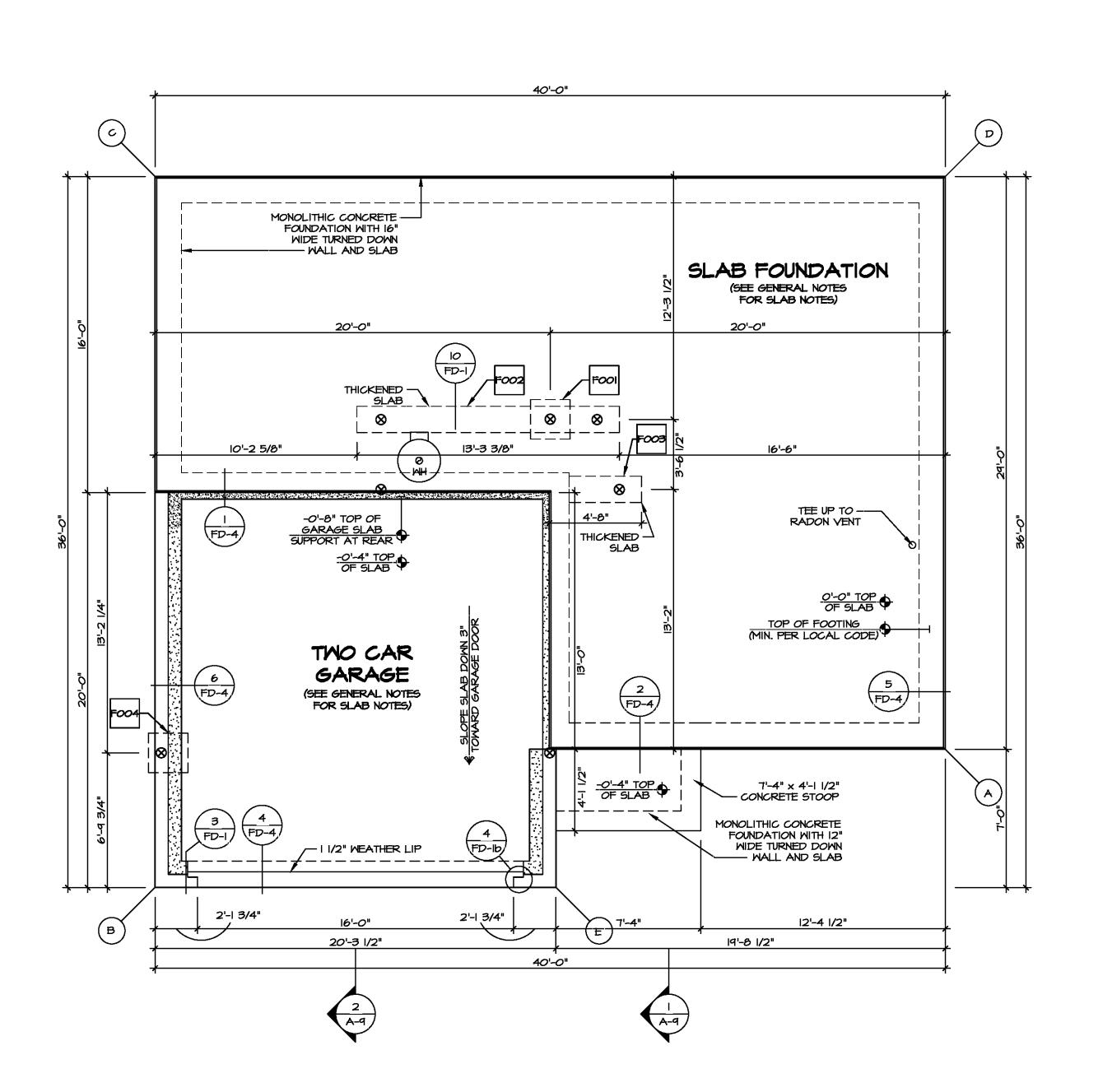


A-I SCALE: 1/8" = 1'-0"

	DESIGN MAY VARY BY MANUFACTURER	
GRI EXT SID	OTE: LLES IN GLAZING OF ALL ERIOR DOORS AND ELIGHTS TO BE OMITTED I BRONZE WINDOWS	

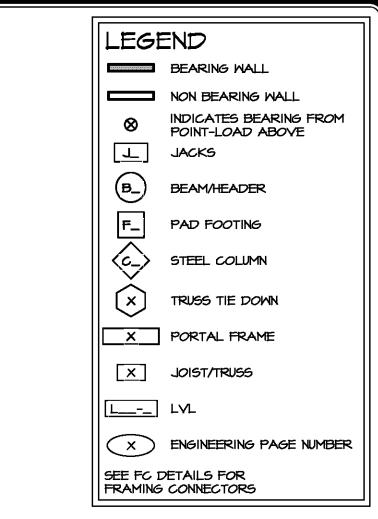


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MONOLITHIC POUR FOUNDATION	FSM	



FOUNDATION PLAN

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



## FOUNDATION NOTES - SLAB

- FOUNDATION UNDER HABITABLE SPACE:
   I.I. CONCRETE SLAB ON 6 MIL VAPOR BARRIER OVER SUB-BASE (SEE SPEC SHEET FOR SLAB NOTES)
   FOUNDATION UNDER GARAGE:
   UNEXCAVATED WITH CONCRETE SLAB ON VAPOR BARRIER OVER SUB-BASE (SEE SPEC SHEET FOR
- BARRIER OVER SUB-BASE (SEE SPEC SHEET FOR SLAB NOTES) OR

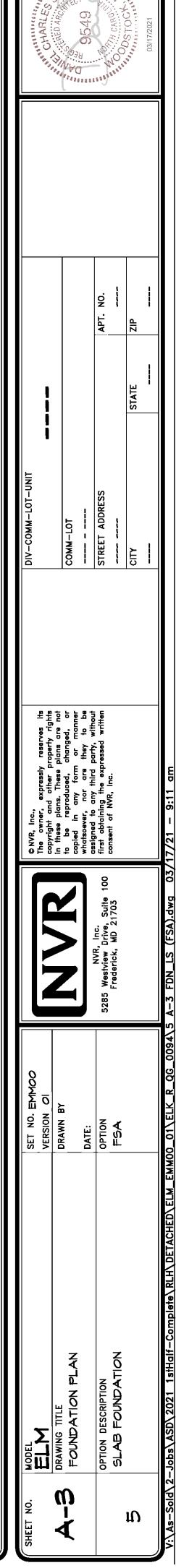
  2.2. STRUCTURAL CONCRETE SLAB ON VAPOR BARRIER
- OVER SUB-BASE (SEE SPEC SHEET FOR SLAB NOTES)

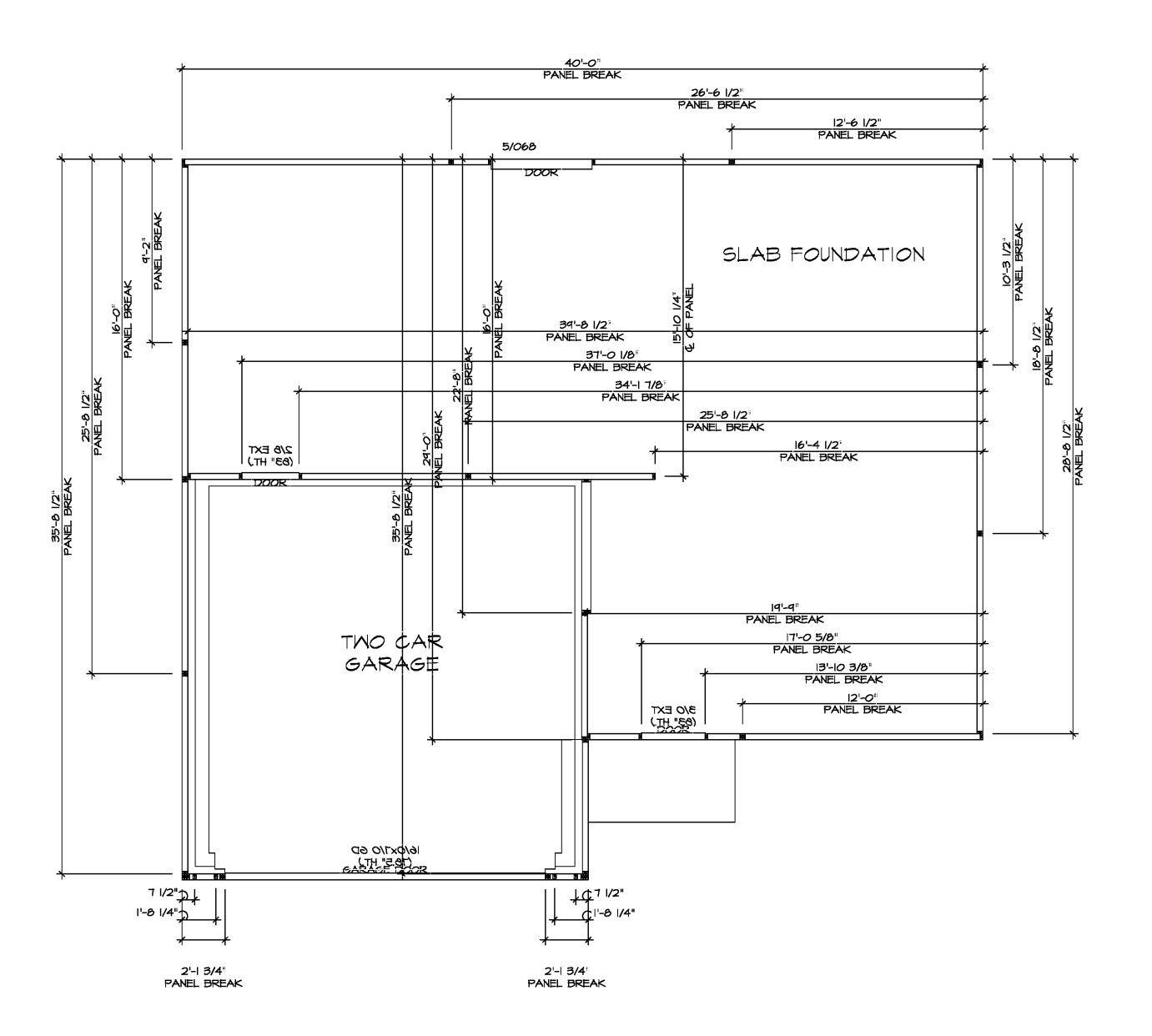
  3. SEE FOUNDATION HOLD DOWN SHEET FOR CONNECTION INFORMATION.

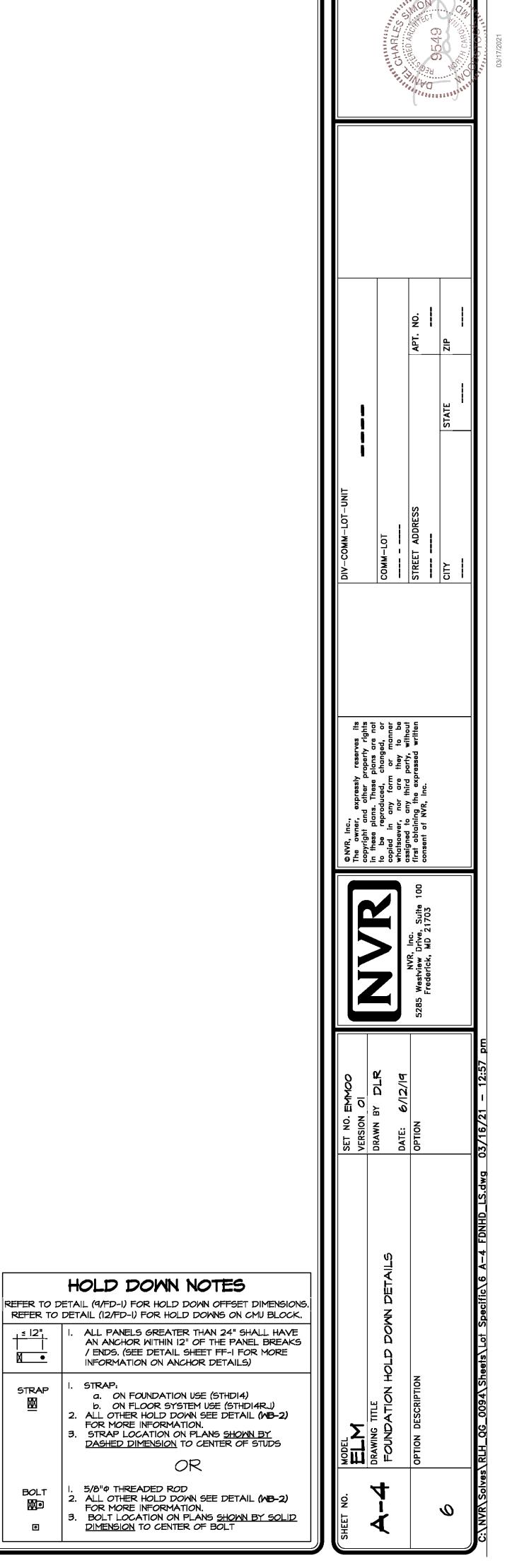
  4. SLAB LEDGE LOCATIONS VARY WY SPADE BEAM(S)
- SLAB LEDGE LOCATIONS VARY W GRADE BEAM(S)
   ORIENTATION. SEE GB-I FOR DETAILS.
   THE DIRECTION OF THE ARROW IS THE DIRECTION OF REBAR, AS REQUIRED.
   ALL FOOTINGS ARE PLAIN, UNREINFORCED CONCRETE UNLESS NOTES OTHERWISE.

PAD FOOTING SCHEDULE								
IDENTIFIER	LENGTH	MIDTH	HEIGHT	ENG. NUM.	REMARKS			
FOOI	2'-0"	2'-0"	1'-0"	50001				
F002	13'-3 3/8"	I'-4"	0'-8"	50001, 50002				
F003	<b>3'-8</b> "	l'-4"	O'-8"	50001				
F004	2'-0 <b>"</b>	2'-0"	1'-0"	1027				

1	FOUNDATION DIAGONALS									
	A		В							
Α	0"	Α	40'-7 5/16"							
В	40'-7 5/16"	В	0"							
C	49'-4 7/8"	C 36'-0"								
D	29'-0"	D	53'-9 3/4"							
E	20'-11"	E	20'-3  /2"							

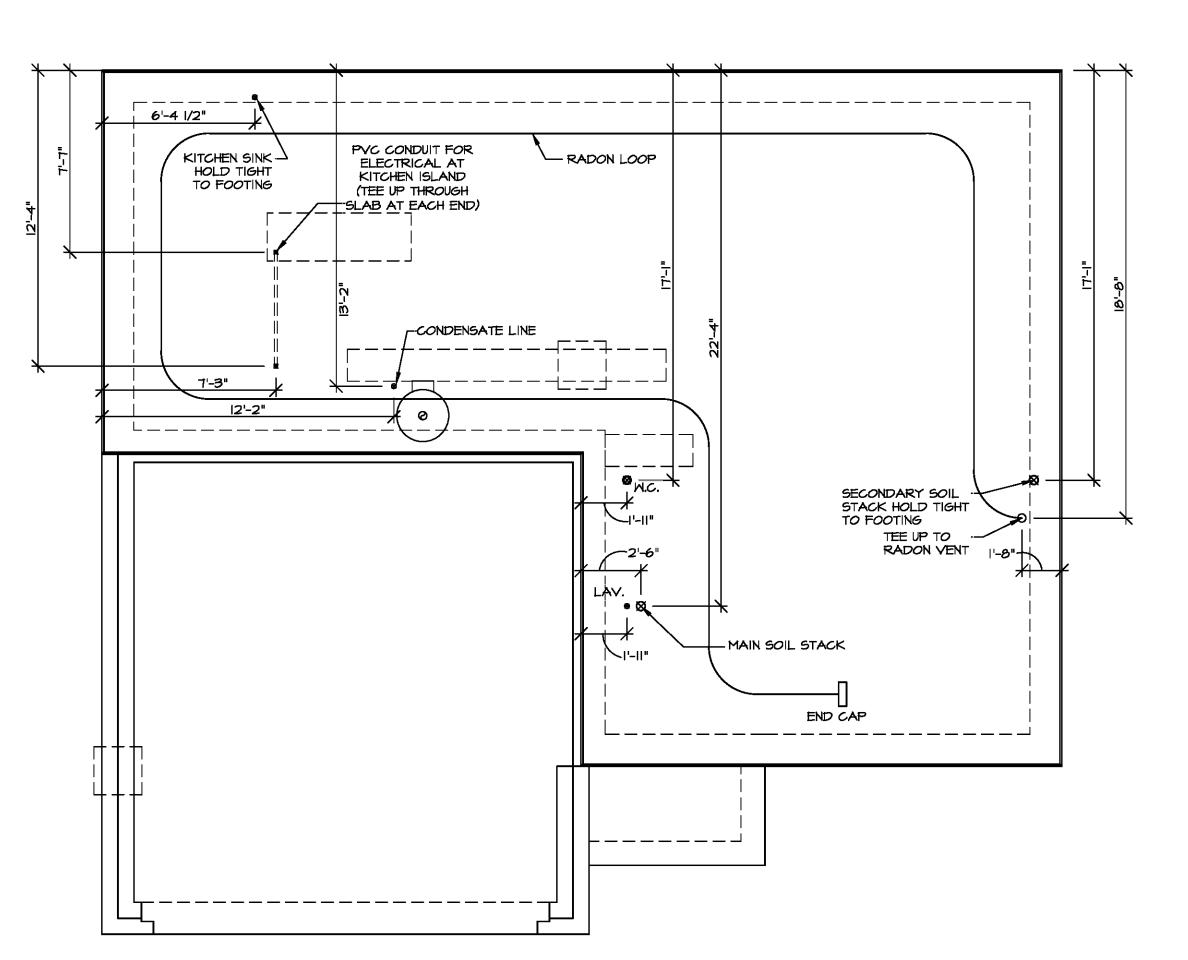






HOLD DOWN NOTES

BOLT ∭⊇



PLUMBING PLAN

NOTE

RADON REMEDIATION

RADON LOOP:

- (4") PERFORATED HDPE "LOOP"

- MUST BE PLACED IN STONE BED SLIGHTLY HIGHER THAN ANY INTERIOR DRAINTILE

- LOOP TO BE SEPARATE FROM ANY DRAINTILE ELEMENTS

- TO BE CORRUGATED HDPE PIPE

- SCREWS TO BE INSTALLED THROUGH LOOP AT TEE UP INTO STACK

STACK REQUIREMENTS:

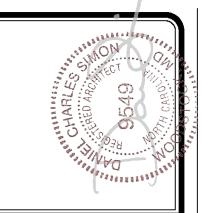
- 3" PVC STACK (4" IF BASEMENT IS GREATER THAN 2200 SQFT.)

- NO PART OF STACK IS TO BE HORIZONTAL (45° ELBOWS PERMITTED AS REQUIRED)

- PIPE TO BE PHYSICALLY LABELED IN THE FIELD AS "RADON VENT" OR OTHER - PIPE TO BE PHYSICALLY LABELED IN THE FIELD AS "RADON VENT" OR OTHER

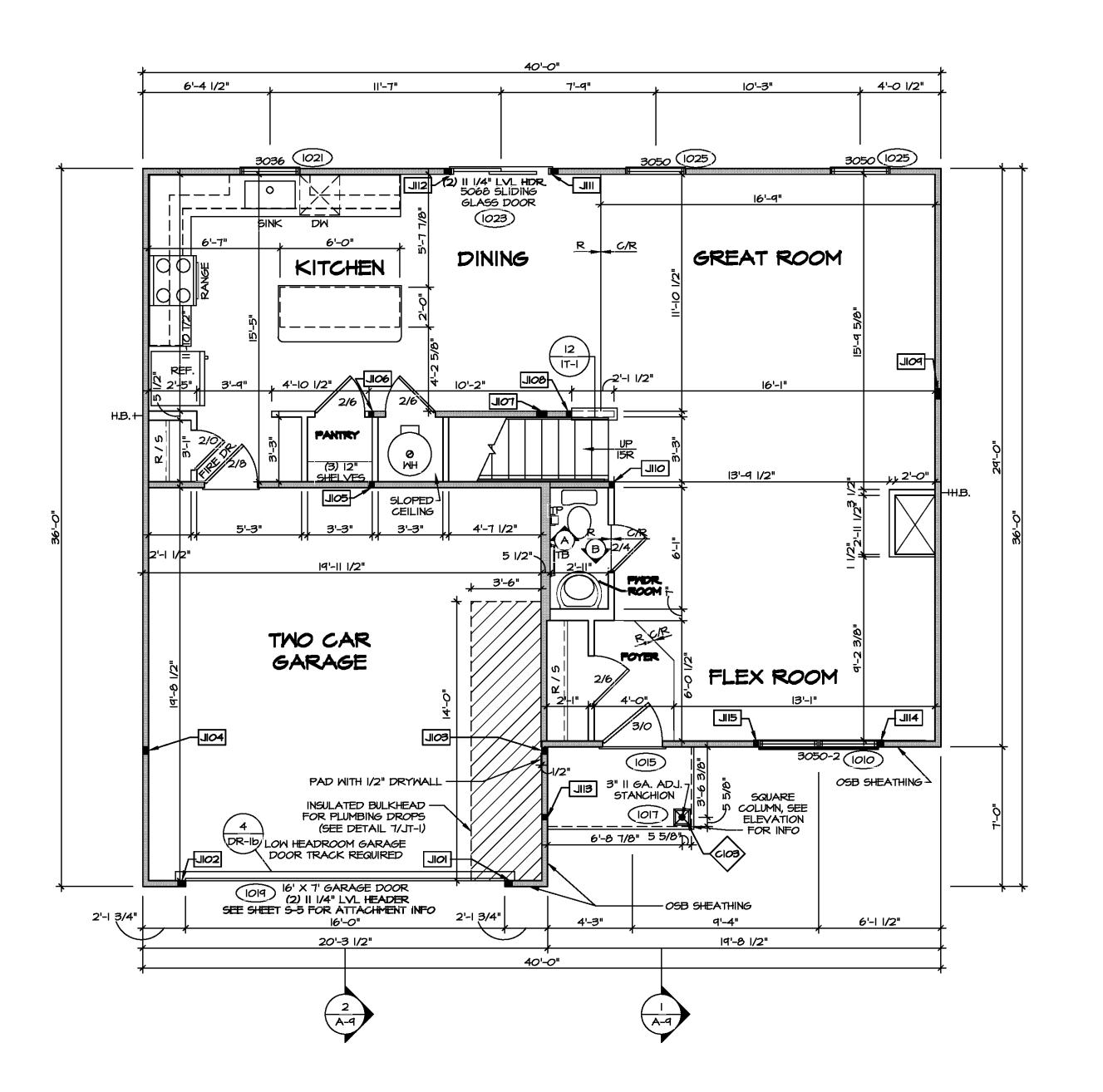
JURISDICTIONALLY REQUIRED LANGUAGE (ON EVERY LEVEL OF HOUSE)

ROOF TERMINATION TO BE IN TOP 1/3 OF ROOF SCREEN OR VENT CAP INSTALLED TO KEEP PESTS OUT OF RADON VENT AT ROOF TERMINATION.



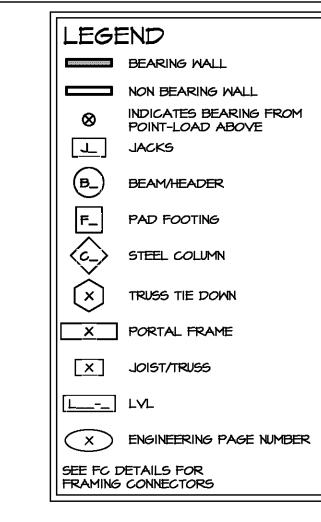
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FIRST FLOOR PLAN

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



#### FLOOR PLAN NOTES

- I. ALL HEADERS ARE (2) 2x6 w/ 2x4 WALLS OR (3) 2x6 2x6 WALLS, UNLESS OTHERWISE NOTED.
- 2. ALL HEADERS TO HAVE (I) 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
- 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 NOT 4. HATCHED AREAS INDICATE DROPPED CEILINGS. ALL
- DROPPED CEILINGS ARE 12" UNLESS OTHERWISE NOTED
  5. SEE "BRACED WALL PANEL DETAIL SHEET" FOR SPECIA
  WALL FRAMING LOCATIONS AND HEADER SIZES, IF
- 6. SEE STANDARD DETAIL CATEGORY "IT" SHEET(S) FOR INTERIOR TRIM DETAILS.

  7. SEE ARCHITECTURAL DETAIL SHEET "AD" FOR HOUSE
- 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.

 TANKED WATER HEATER SHOWN AS BASE CONDITION, OPTIONAL TANKLESS WATER HEATER IS AVAILABLE IN LIEU OF TANKED WATER HEATER.

## GYPSUM NOTES

APPLICABLE.

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

NOTE:
EXTERIOR WALLS DRAWN TO FRAMING WIDTH, EXTERIOR SHEATHING IS NOT INCLUDED IN WALL THICKNESS.

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

FIR	ST FLOOR JACK SCHED	JLE						
DENTIFIER	DESCRIPTION	ENG. NUM.						
OIL	JACK - (3) 2X4 SPF STUD GRADE	1019						
JI02	JACK - (3) 2X4 SPF STUD GRADE	1019						
€OIL	JACK - (3) 2X4 SP#I	2004						
JIO4	JACK - (3) 2X4 SP#1	2004						
JI05	JACK - (2) 2X4 SPF STUD GRADE	1004						
JI06	JACK - (2) 2X4 SPF STUD GRADE	1004						
TOIL	JACK - (4) 2X4 SPF STUD GRADE	1002						
BOIL	JACK - (2) 2X4 SPF STUD GRADE	1028						
POIL	JACK - (4) 2X4 SPF STUD GRADE	1008						
OIL	JACK - (2) 2X4 SPF STUD GRADE	1006						
<u></u>	JACK - (3) 2X4 SPF STUD GRADE	1023						
JII2	JACK - (3) 2X4 SPF STUD GRADE	1023						
SIIL	JACK - (2) 2X4 SPF STUD GRADE	1017						
JII4	JACK - (2) 2X4 SPF STUD GRADE	1010						
JII5	JACK - (2) 2X4 SPF STUD GRADE	1010						

	STEEL COL	UMN SCHE	DULE	
IDENTIFIER	STYLE	HEIGHT	ENG. NUM.	REMARKS
C103	STANCHION PORCH - 3 IN DIA IIGA ADJ	7'-9 1/4"	1017	FSA

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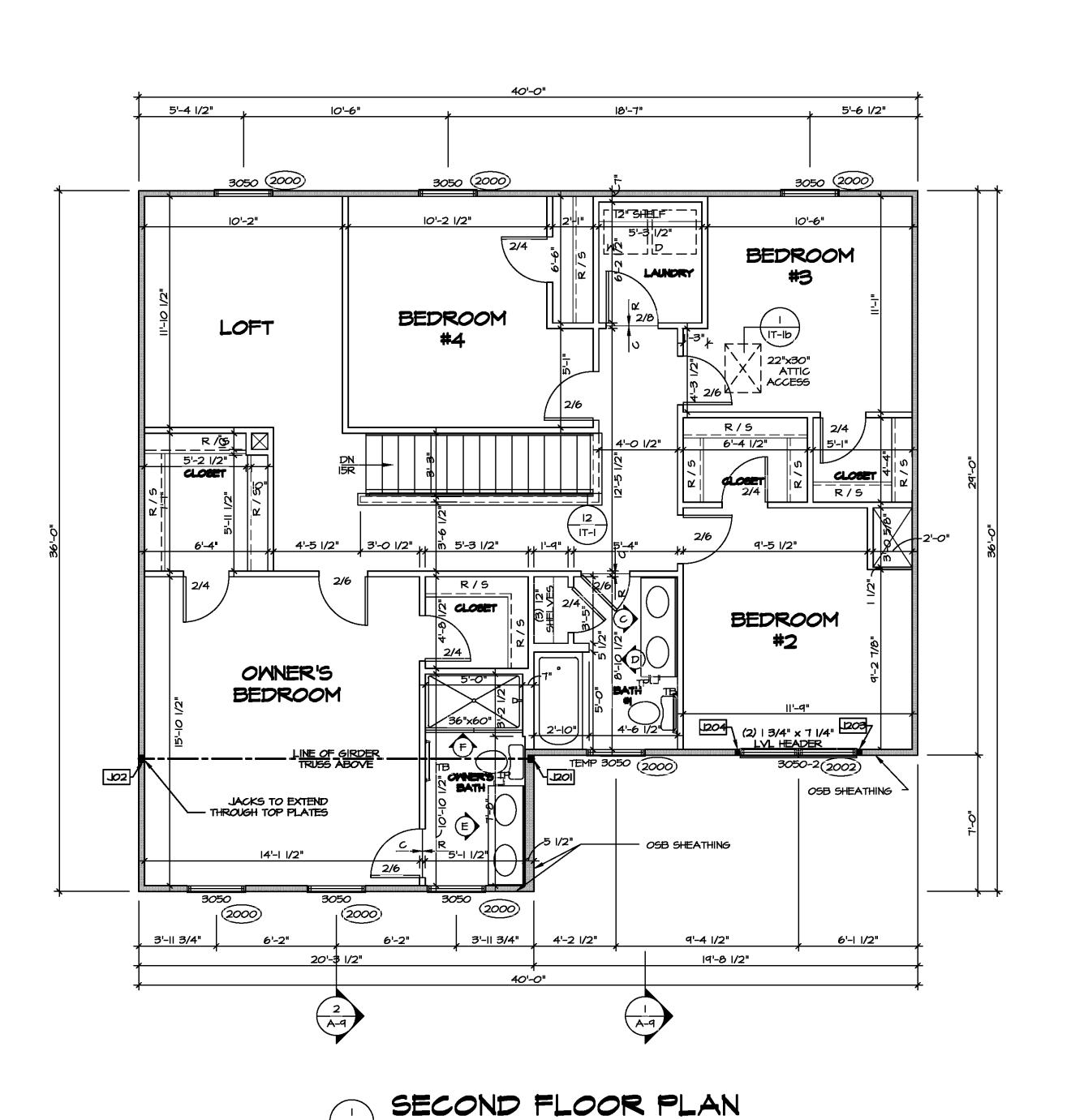
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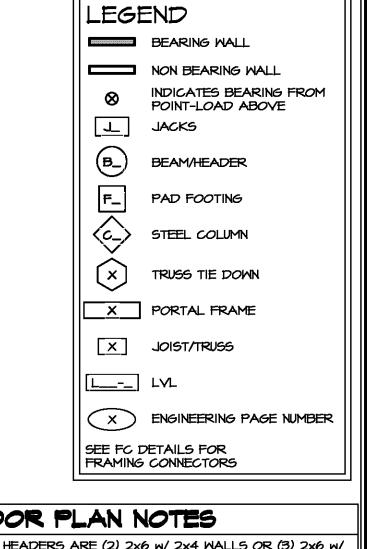
YR PLAN

DRAWING TITLE
FIRST FLOOR PL

4-4



A-8 5CALE: 1/4" = 1'-0"



#### FLOOR PLAN NOTES

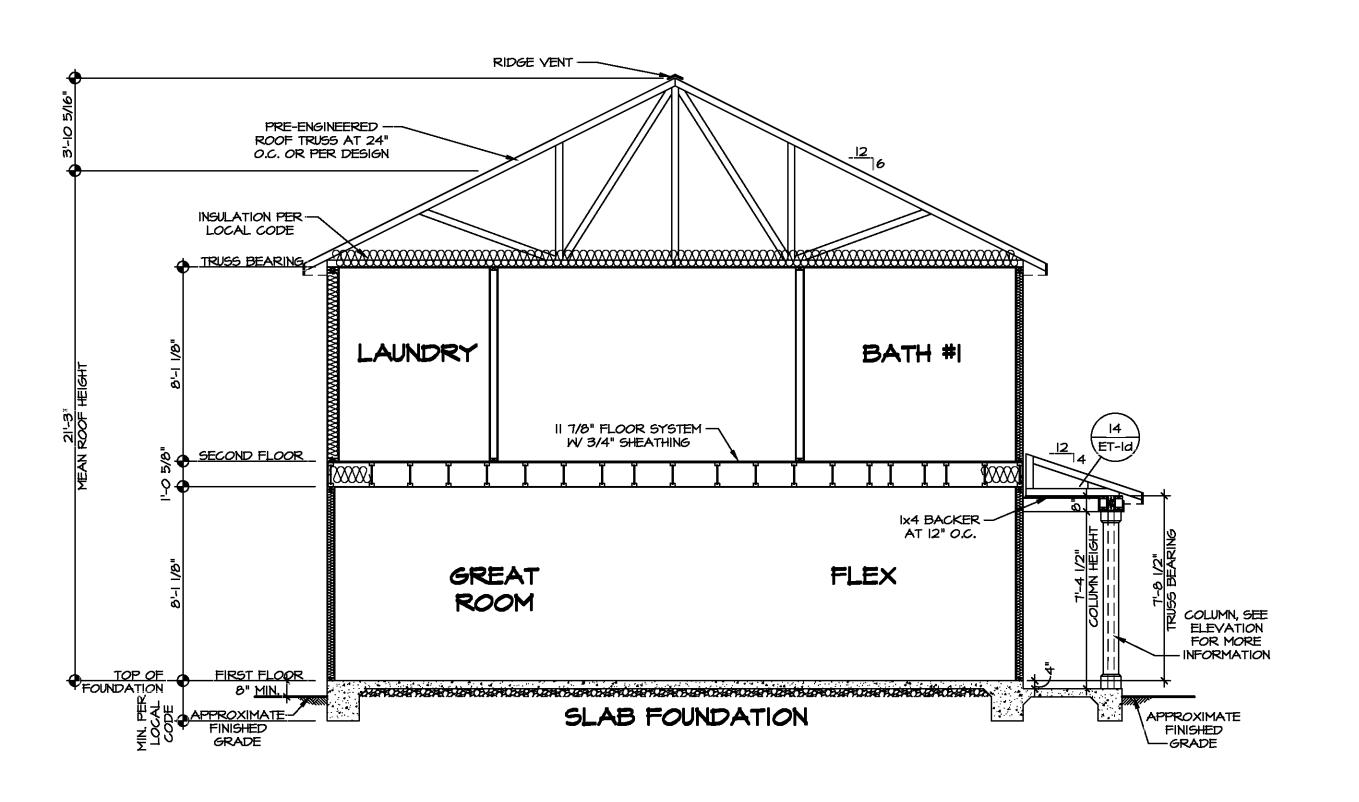
- ALL HEADERS ARE (2) 2x6 w/ 2x4 WALLS OR (3) 2x6 w/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
- 2. ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK AND KING STUD EACH END, UNLESS OTHERWISE NOTED. MULTI-OPENING HEADERS TO HAVE (2) JACKS AT INTERMEDIATE BEARING, UNLESS OTHERWISE NOTED. NO ADDITIONAL FLOOR SYSTEM BLOCKING OR CONTINUOUS LOAD PATH JACKS ARE REQUIRED UNLESS OTHERWISE
- 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.
- 5. 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.

EXTERIOR WALLS DRAWN TO FRAMING WIDTH, EXTERIOR SHEATHING IS NOT INCLUDED IN WALL THICKNESS.

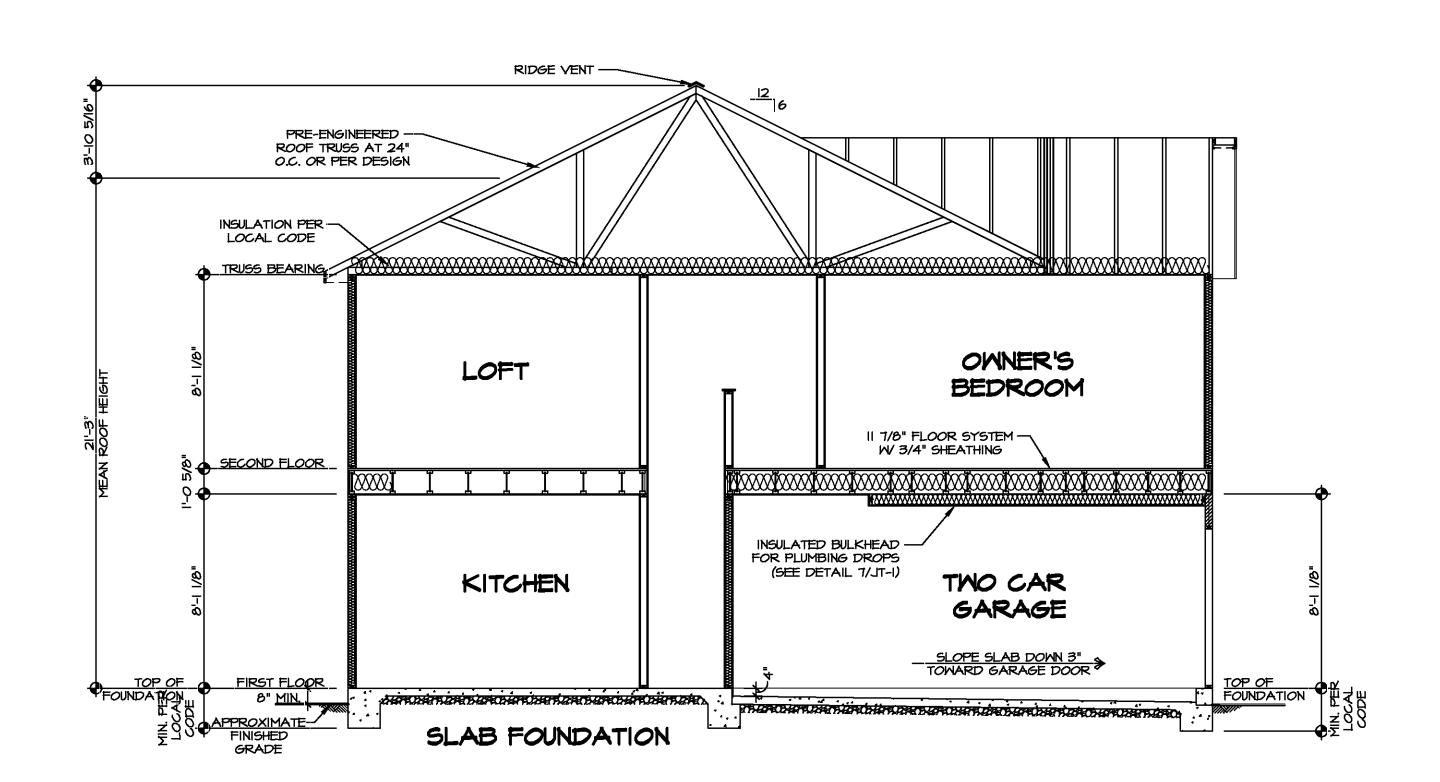
ALL WINDOWS HAVE 7'-4 5/8" HEADER HEIGHT UNLESS OTHERWISE NOTED

SEC	OND FLOOR JACK SCHEI	DULE
DENTIFIER	DESCRIPTION	ENG. NUM.
J20I	JACK - (3) 2X4 SP#I	2004
J202	JACK - (3) 2X4 SP#I	2004
J203	JACK - (2) 2X4 SPF STUD GRADE	2002
J204	JACK - (2) 2X4 SPF STUD GRADE	2002

SHEET NO.	Model.	SET NO. EMMOO VERSION OI		©NVR, Inc., The owner, expressly reserves its convict and other property rights	DIV-C0
A-0	DRAWING TITLE SECOND FLOOR PLAN	DRAWN BY	\ > Z	in these plans. These plans are not to be reproduced, changed, or copied in any form or manner	COMM-
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	OPTION DESCRIPTION	OPTION	5285 Westview Drive, Suite 100 Frederick, MD 21703	first obtaining the expressed written consent of NVR, Inc.	STREET
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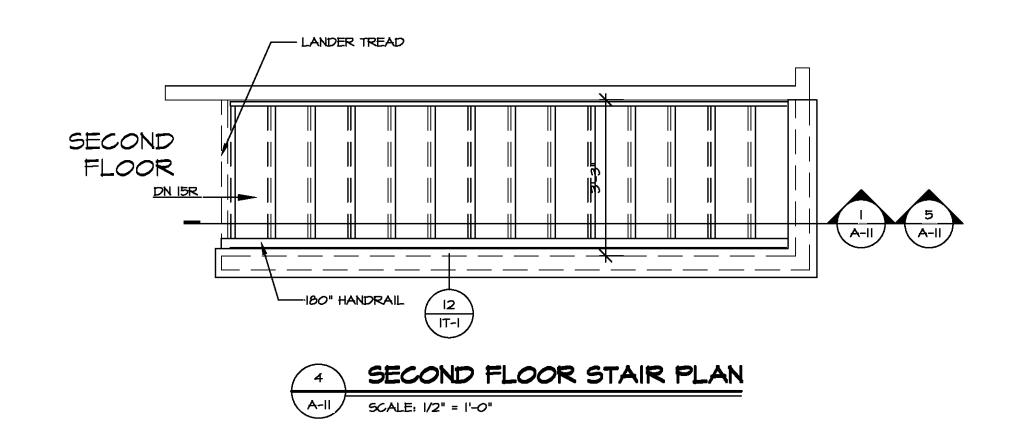


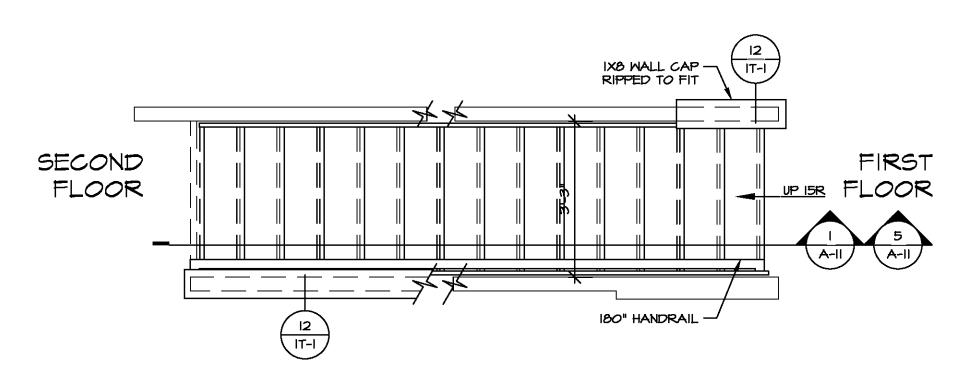
# BUILDING SECTION SCALE: 1/4" = 1'-0"





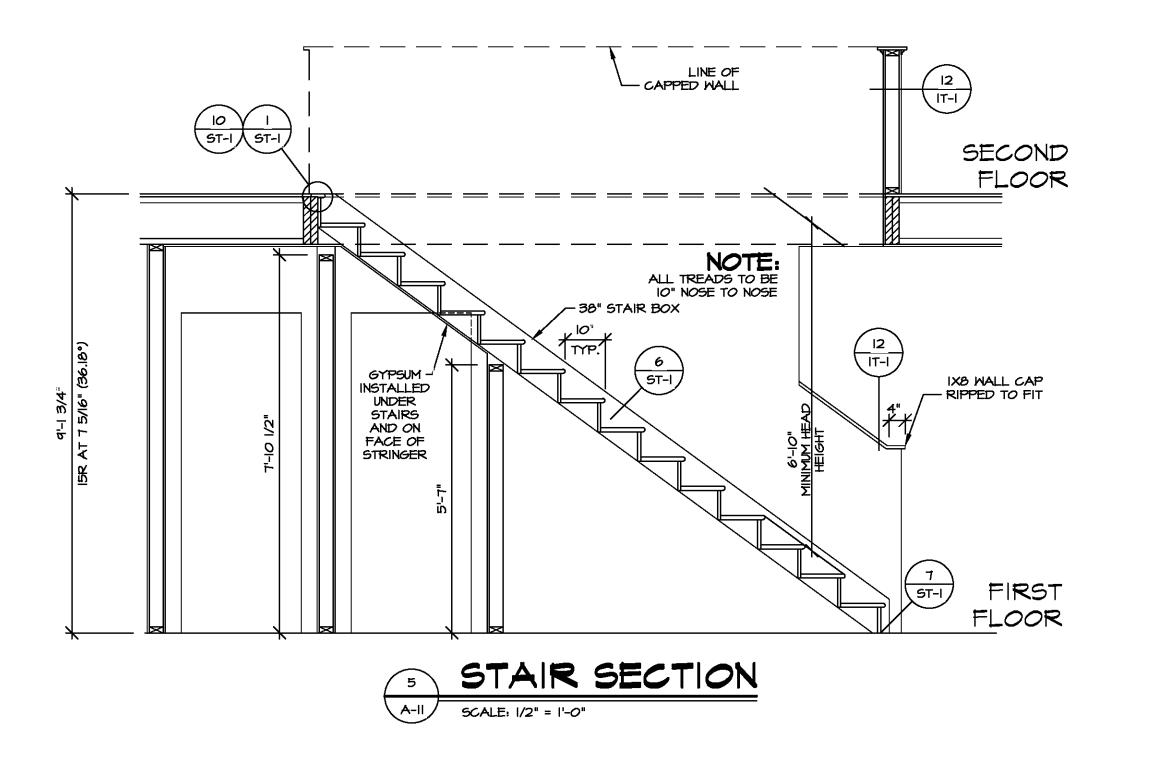
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FIRST FLOOR STAIR PLAN

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



CHARLES SCHEDARCH CONTROLL 08/17/2021

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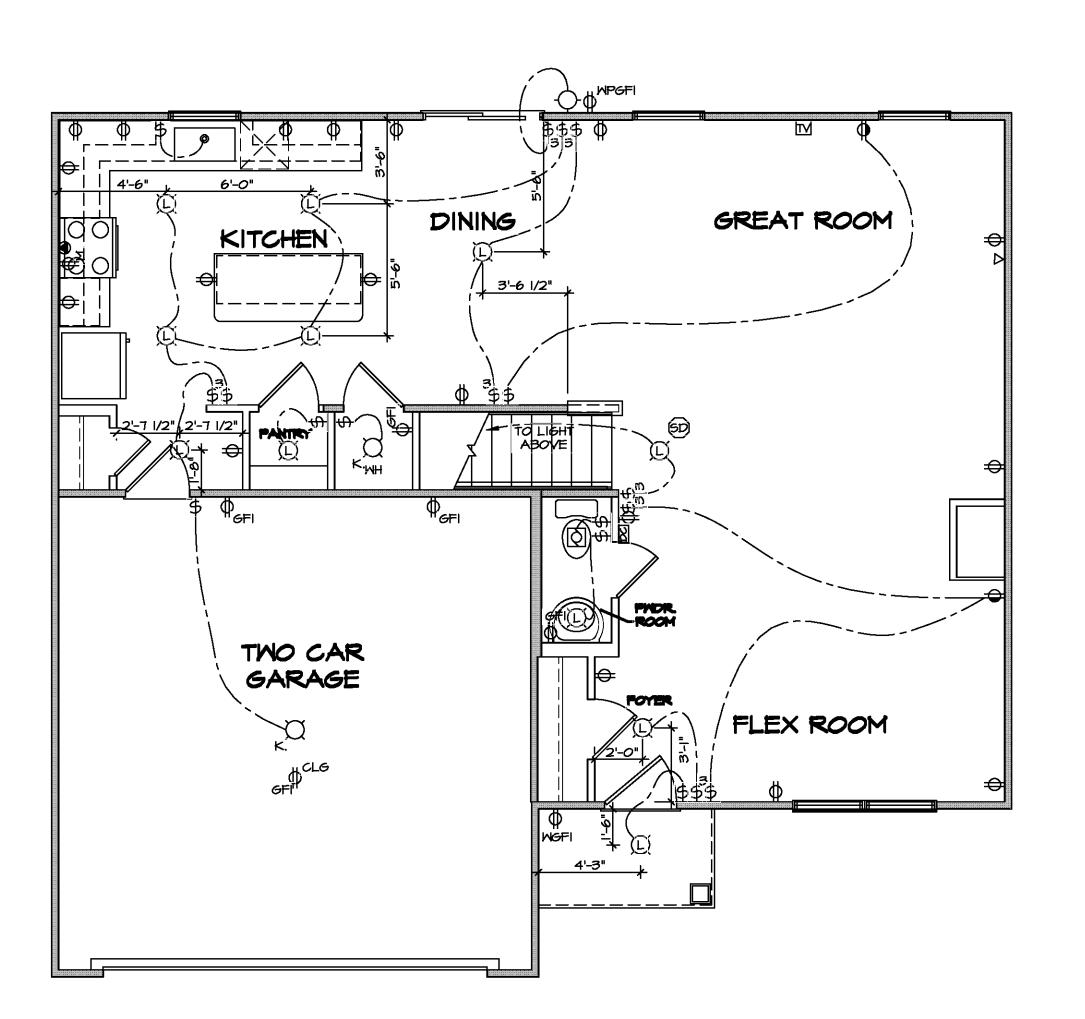
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NVR, Inc.
5285 Westview Drive, Suite 100
Frederick, MD 21703
consent

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DRAWING TITLE
STAIR SECTION
OPTION DESCRIPTION



FIRST FLOOR ELECTRICAL PLAN

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

#### NOTES:

I. ALL ELECTRICAL PLANS ARE SCHEMATIC ONLY AND NOT INTENDED AS ENGINEERED DRAWINGS. THESE PLANS REPRESENT THE DESIGN INTENT FOR SWITCH AND RECEPTACLE LOCATIONS. ADDITIONAL INFORMATION, IF REQUIRED, SHALL BE PROVIDED BY A LICENSED ELECTRICAL SUBCONTRACTOR OR ENGINEER.

2. ALL KITCHEN, GARAGES, UNFINISHED BASEMENT, WETBARS AND ALL OUTDOOR RECEPTACLES ARE TO

METBARS AND ALL OUTDOOR RECEPTACLES ARE TO BE GFI PROTECTED.

3. PROVIDE DUPLEX RECEPTACLE ON DEDICATED CIRCUIT FOR DISHMASHER IN CABINET UNDER THE SINK.

4. PROVIDE DUPLEX RECEPTACLE FOR GARBAGE

4. PROVIDE DUPLEX RECEPTACLE FOR GARBAGE DISPOSAL IN CABINET UNDER THE SINK.
5. PROVIDE SWITCH W KEYLESS LIGHT IN ATTIC SPACE.
6. PROVIDE SWITCH W KEYLESS LIGHT AND GFI RECEPTACLE WHEN HVAC EQUIPMENT IS IN ATTIC SPACE.

7. PROVIDE ARC-FAULT CIRCUIT INTERRUPTERS TO ALL ROOMS EXCEPT BATH AND EXTERIOR RECEPTACLES.

8. WASHER ON LEFT, DRYER ON RIGHT (PER PLAN OR REVERSED).

9. DRYER RECEPTACLE IIO W GAS OR 220 W ELECTRIC.

# ELECTRICAL LEGEND

1	
\$	SINGLE POLE SMITCH
<b>⊕</b> ⊕ •	THREE WAY SWITCH
\$	FOUR WAY SMITCH
\$	DUPLEX RECEPTACLE
Ф	DUPLEX RECEPTACLE - BOTTOM HALF SWITCHED
<b>₩</b>	DUPLEX RECEPTACLE - FLOOR MOUNTED
	RECEPTACLE - 220V
φ <sub>usa</sub>	DUPLEX RECEPTACLE - USB
∯ GFI ∰	DUPLEX RECEPTACLE - GROUND FAULT INTERRUPT
(I) WPGF	DUPLEX RECEPTACLE - WEATHER PROOF AND
\$\psi_{\textsum}^{\textsum} \]	GROUND FAULT INTERRUPT DUPLEX RECEPTACLE - MICROWAVE
60	SMOKE DETECTOR - WIRED IN SERIES
6	CARBON MONOXIDE DETECTOR
Ø	EXHAUST FAN MOTOR
<b>\$</b>	EXHAUST FAN MOTOR WITH LIGHT
M	TELEVISION RECEPTACLE
∆ <b>D</b> €	TELEPHONE RECEPTACLE DOOR CHIME
$\Diamond$	LIGHT FIXTURE - WALL MOUNTED
Ä	LIGHT FIXTURE - CEILING MOUNTED
$\widetilde{\mathbb{R}}$	LIGHT FIXTURE - RECESSED
R) NP.	LIGHT FIXTURE - RECESSED WEATHER PROOF
Q	LIGHT FIXTURE - CEILING MOUNTED LED
$\widetilde{\mathbb{H}}$	LIGHT FIXTURE - HANGING
<u>e</u>	LIGHT FIXTURE - PENDANT
<b>=</b>	LIGHT FIXTURE - FLUORESCENT
)ছ(	LIGHT FIXTURE - UNDER CABINET LIGHT "5" = SMALL "M" = MEDIUM "L" = LARGE
~~	

PULLCHAIN LAMPHOLDER

KEYLESS LAMPHOLDER

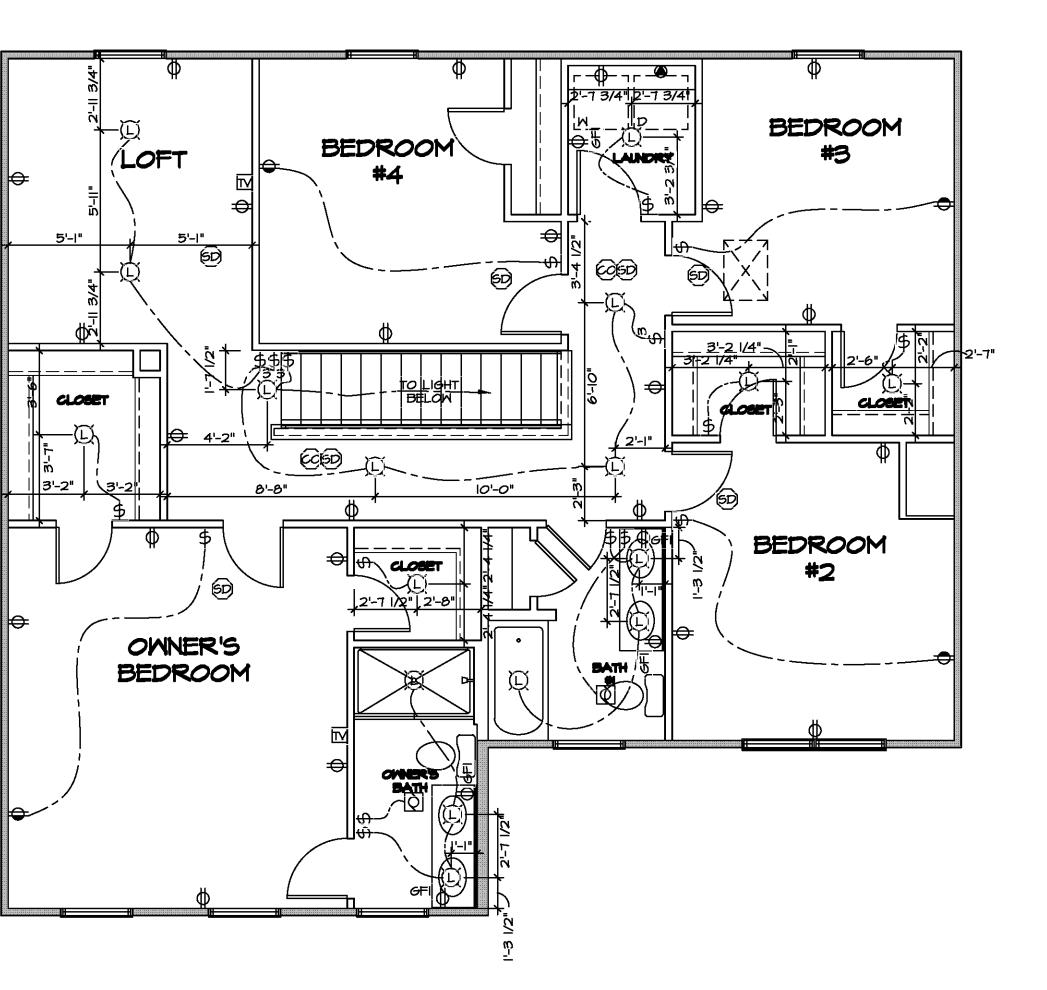


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PIRST FLOOR ELECTRICAL PLAN
OPTION DESCRIPTION



SECOND FLOOR ELECTRICAL PLAN

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

#### NOT

I. ALL ELECTRICAL PLANS ARE SCHEMATIC ONLY AND NOT INTENDED AS ENGINEERED DRAWINGS. THESE PLANS REPRESENT THE DESIGN INTENT FOR SWITCH AND RECEPTACLE LOCATIONS. ADDITIONAL INFORMATION, IF REQUIRED, SHALL BE PROVIDED BY A LICENSED ELECTRICAL SUBCONTRACTOR OR ENGINEER.

2. ALL KITCHEN, GARAGES, UNFINISHED BASEMENT,

2. ALL KITCHEN, GARAGES, UNFINISHED BASEMENT,
WETBARS AND ALL OUTDOOR RECEPTACLES ARE TO
BE GFI PROTECTED.

3. PROVIDE DUPLEX RECEPTACLE ON DEDICATED.

3. PROVIDE DUPLEX RECEPTACLE ON DEDICATED CIRCUIT FOR DISHMASHER IN CABINET UNDER THE SINK.

4. PROVIDE DUPLEX RECEPTACLE FOR GARBAGE DISPOSAL IN CABINET UNDER THE SINK.

5. PROVIDE SMITCH MY KEYLESS LIGHT IN ATTIC SPACE.

6. PROVIDE SMITCH W KEYLESS LIGHT AND GFI RECEPTACLE WHEN HVAC EQUIPMENT IS IN ATTIC SPACE.
7. PROVIDE ARC-FAULT CIRCUIT INTERRUPTERS TO ALL ROOMS EXCEPT BATH AND EXTERIOR RECEPTACLES.
8. WASHER ON LEFT, DRYER ON RIGHT (PER PLAN OR

REVERSED).

9. DRYER RECEPTACLE 110 W GAS OR 220 W ELECTRIC.

# ELECTRICAL LEGEND

\$ SINGLE POLE SWITCH
\$ THREE WAY SWITCH
\$ FOUR WAY SWITCH

DUPLEX RECEPTACLE

DUPLEX RECEPTACLE - BOTTOM HALF SWITCHED

DUPLEX RECEPTACLE - FLOOR MOUNTED

RECEPTACLE - 220V

DUPLEX RECEPTACLE - USB USB

DUPLEX RECEPTACLE - GROUND FAULT INTERRUPT

DUPLEX RECEPTACLE - WEATHER PROOF AND GROUND FAULT INTERRUPT

DUPLEX RECEPTACLE - MICROWAVE

SMOKE DETECTOR - WIRED IN SERIES

CARBON MONOXIDE DETECTOR

EXHAUST FAN MOTOR

- EXHAUST FAN MOTOR WITH LIGHT

TELEVISION RECEPTACLE

Δ TELEPHONE RECEPTACLE

DOOR CHIME

LIGHT FIXTURE - WALL MOUNTED

LIGHT FIXTURE - CEILING MOUNTED

R LIGHT FIXTURE - RECESSED WEATHER PROOF

(L) LIGHT FIXTURE - CEILING MOUNTED LED

EIGHT FIXTURE - CEILING MOUNTE

H) LIGHT FIXTURE - HANGING

P) LIGHT FIXTURE - PENDANT

LIGHT FIXTURE - FLUORESCENT

LIGHT FIXTURE - UNDER CABINET LIGHT
"S" = SMALL "M" = MEDIUM "L" = LARGE

PULLCHAIN LAMPHOLDER

KEYLESS LAMPHOLDER

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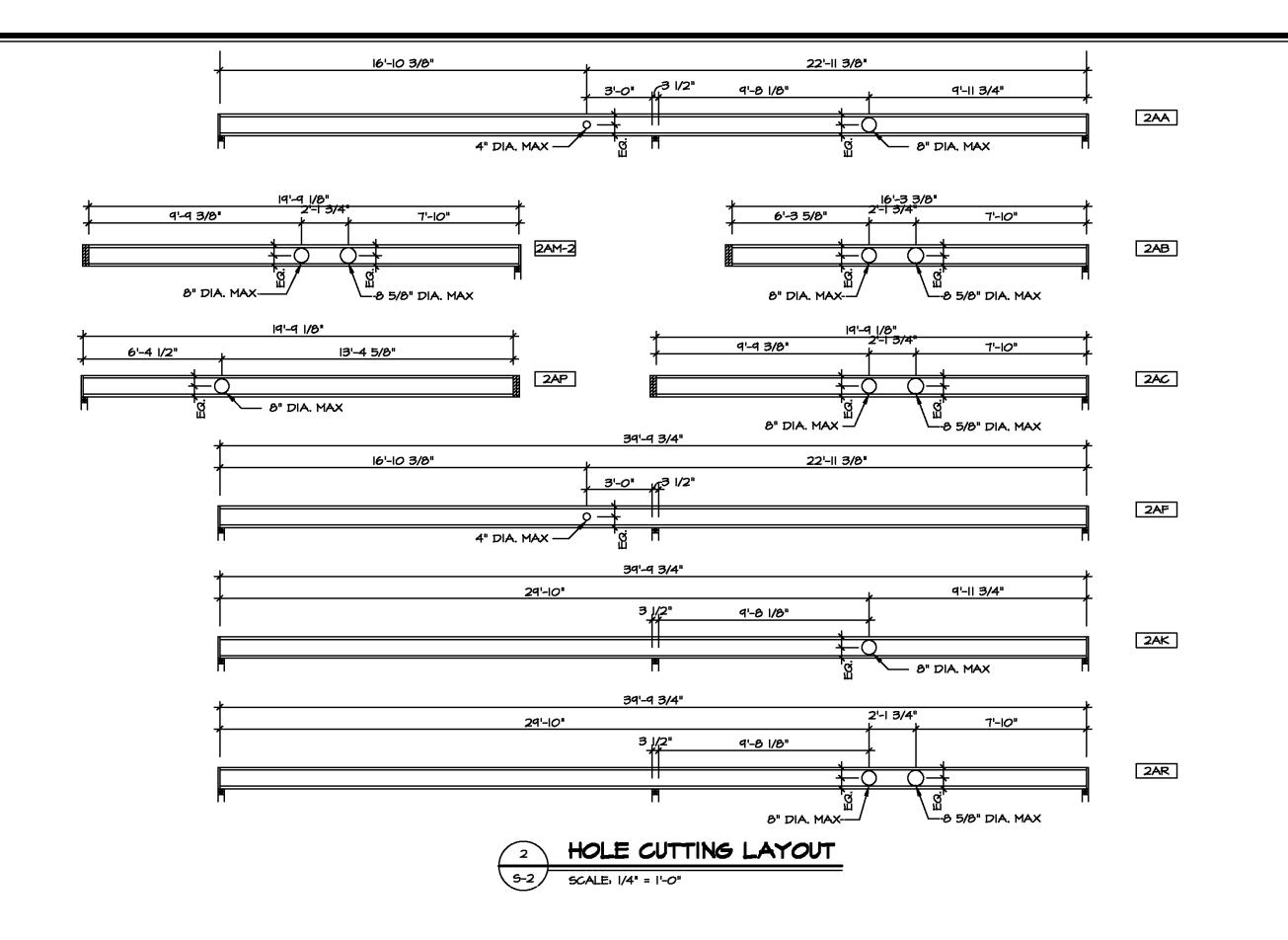
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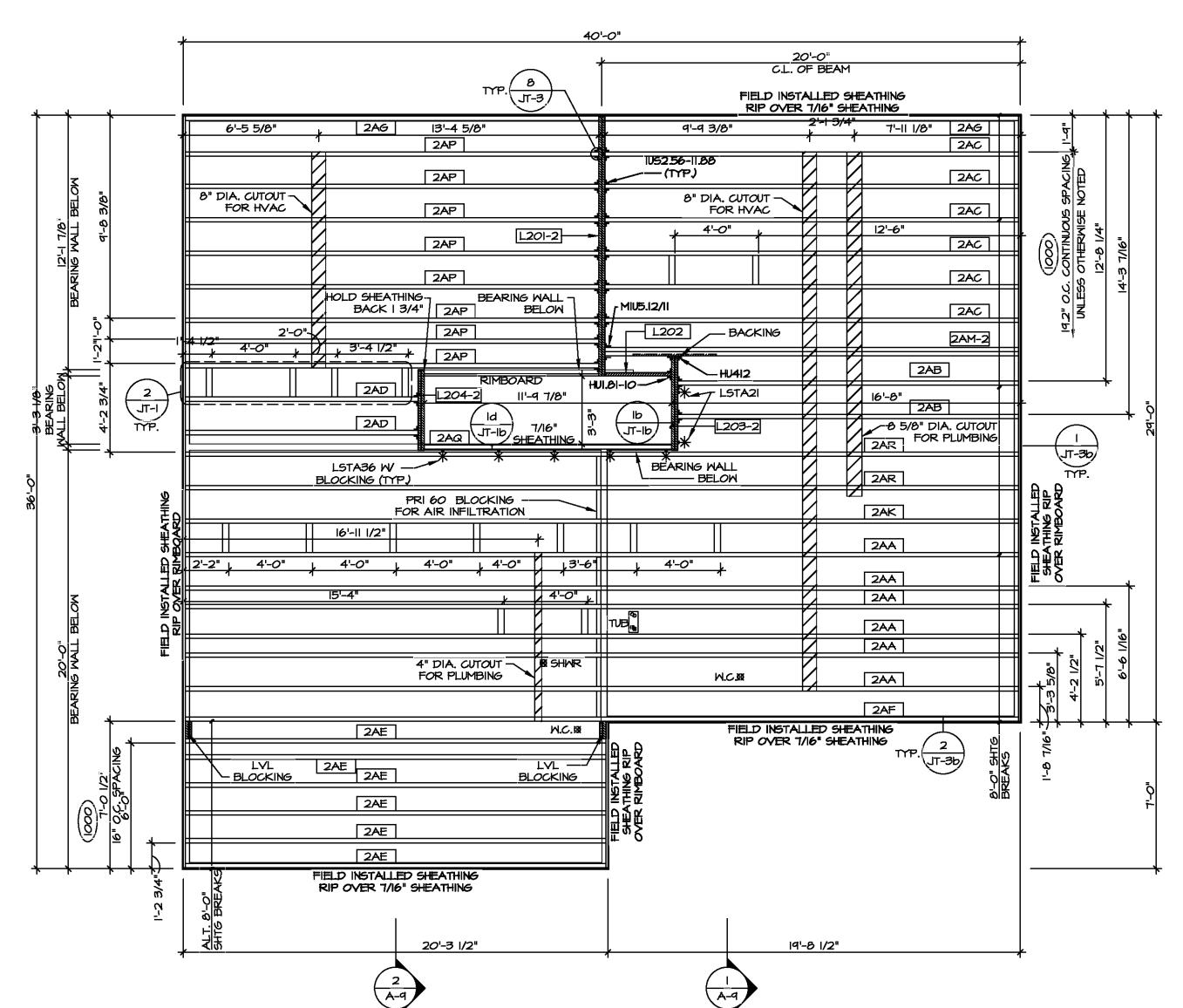
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NVR, Inc.
5285 Westview Drive, Suite 100
Frederick, MD 21703

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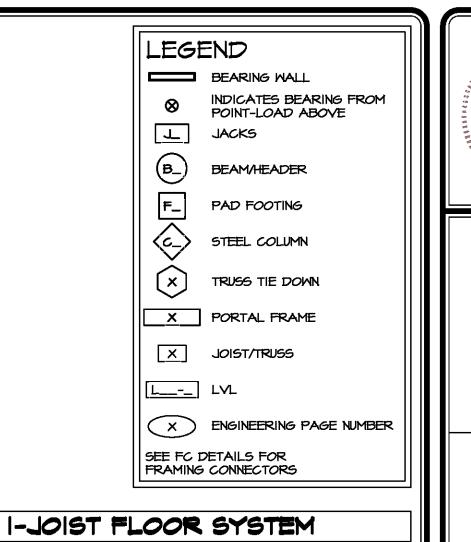
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SECOND FLOOR ELECTRICAL PLAN
PTION DESCRIPTION





SECOND FLOOR FRAMING PLAN

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



- SUBFLOOR IS 3/4" TONGUE AND GROOVE OSB STANDARD. JOIST LENGTHS SHIPPED IS THE NEXT HIGHEST LENGTH TO 3. ALL RIMBOARD TO BE I-I/6" THICK U.N.O.
- REFER TO STANDARD DETAIL 1/JT-3 FOR HOLE CUTTING GUIDELINES. PROVIDE RIMBOARD SOLID BLOCKING AT EXTERIOR
- WALLS AND BELOW ALL JACKS AS REQUIRED.

  REFER TO DETAIL 8/JT-3 FOR HANGER DETAIL.

  ALL JOISTS TO BE PRI40, PRI60 OR PRI80, REFERENCE SCHEDULE FOR SPECIFIC SERIES PER MEMBER. A. PRI40 SERIES ARE SHOWN AS SHADED ON FRAMING
- . SEE CONNECTOR / NAIL CHART IN STANDARD DETAILS (FC-4) FOR TYPICAL HANGERS.
- 10. ALL LVL BLOCKING CUT FROM 14'-0" MATERIAL. 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. I-JOIST BLOCKING CUT FROM 2'-O" MATERIAL. 13. ADHESIVE TO BE ADDED TO ALL JOIST HANGERS PRIOR TO SETTING JOISTS.

SECOND FLOOR FRAMING LENGTH SCHEDULE						
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS		
2AA	PRI 60 - II-14	39'-9 3/4"	1036	J-0040		
2AB	PRI 60 - II-14	16'-3 3/8"	1039	J-0291		
2AC	PRI 60 - II-14	19'-9 1/8"	1040	J-0292		
2AD	PRI 60 - II-14	II'-I I/2"	1000			
2AE	PRI 60 - II-14	20'-1 1/4"	1000			
2AF	PRI 60 - II-14	39'-9 3/4"	1038	J-0044		
2A6	PRI 60 - II-14	19'-9 1/8"	1000			
2AK	PRI 60 - II-14	39'-9 3/4"	1037	J-0045		
2AM-2	PRI 60 - II-14 DBL	19'-9 1/8"	1042	J-0297		
2AP	PRI 60 - II-14	19'-9 1/8"	1041	J-0046		
2AQ	PRI 60 - II-14	11'-9 7/8"	1000			
2AR	PRI 60 - II-14	39'-9 3/4"	1046	J-0293		

	SECOND FLOOR LY	/L LENGTH	H SCHEDU	LE
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
L201-2	LYL - II-I4	12'-5"	1002	I.A
L202	LVL - II-14	3'-2 1/4"	1028	
L203-2	LVL - II-I4	4'-6"	1006	I.A
L204-2	LVL - II-14	3'-10"	1004	I.A

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 16D NAILS AT 12" O.C. OR

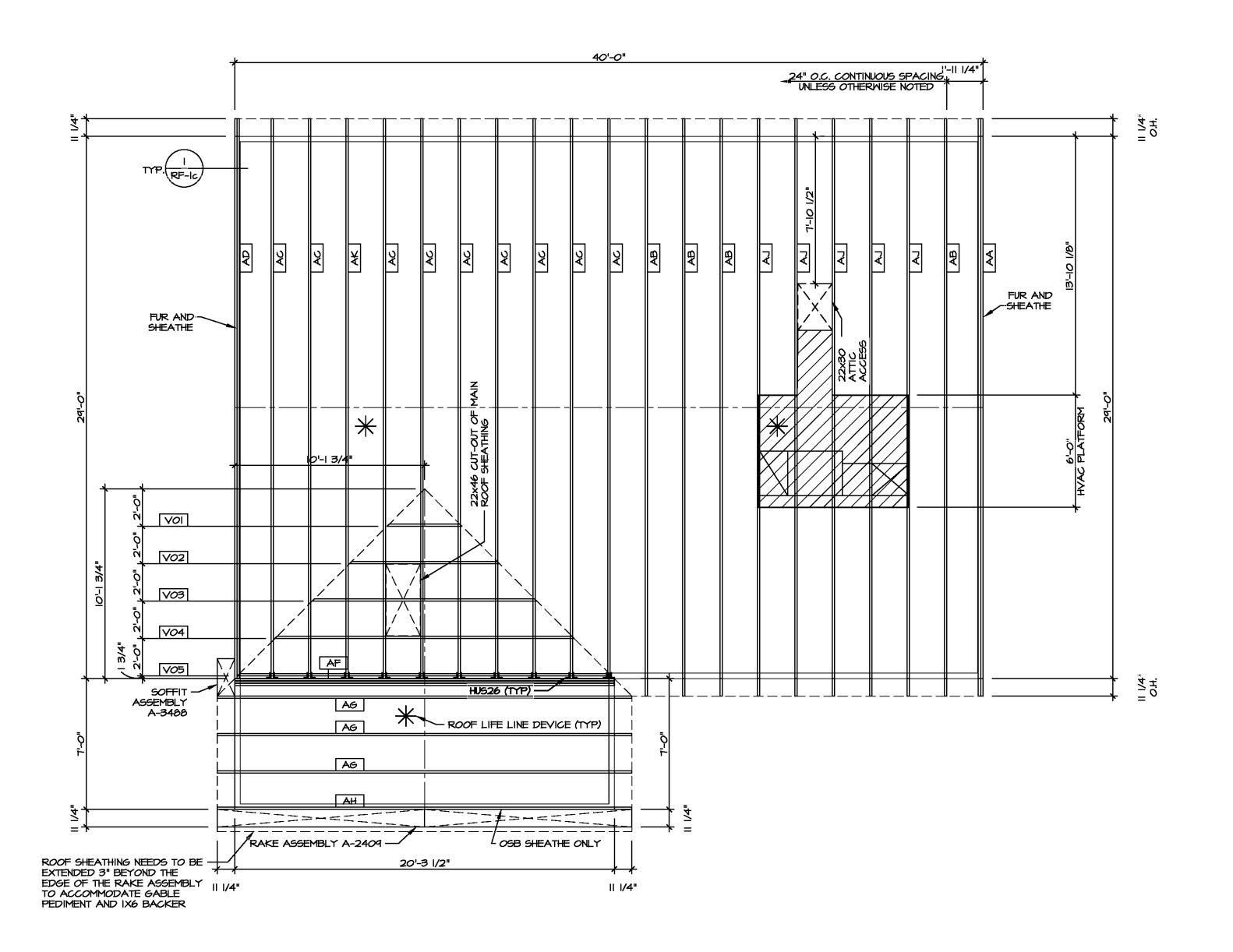
- ALT I I/2" WIDE LYL FASTEN PLIES W/ (3) ROWS I2D NAILS AT I2"O.C. 2.A - (2) PLY 14" TO AND 16" TALL (INCLUSIVE): FASTEN PLIES W (3) ROWS 16D NAILS AT 12" O.C. OR
- ALT I 1/2" WIDE LVL FASTEN PLIES W/ (4) ROWS 12D NAILS AT 12"O.C. 3.A - (2) PLY 20" TALL AND OVER: FASTEN PLIES W/ (4) ROWS 16D NAILS AT 12" O.C. OR ALT I 1/2" WIDE LVL FASTEN PLIES W (5) ROWS 12D NAILS AT 12"O.C.

4.A - (3) PLY UP TO AND INCLUIDING II 7/8" TALL: FASTEN PLIES W/ (2) ROMS 16D NAILS AT 12" O.C.

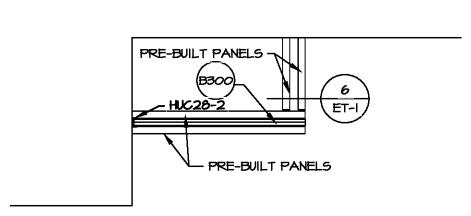
- FROM EACH SIDE OR ALT I 1/2" WIDE LVL FASTEN PLIES W/ (3) ROWS 12D NAILS AT 12"O.C. FROM 5.A - (3) PLY 14" TO AND 18" TALL (INCLUSIVE): FASTEN PLIES W (3) ROWS 16D NAILS AT 12" O.C. FROM
- SEE SHOP DRAWING FOR ADDITIONAL INFORMATION.

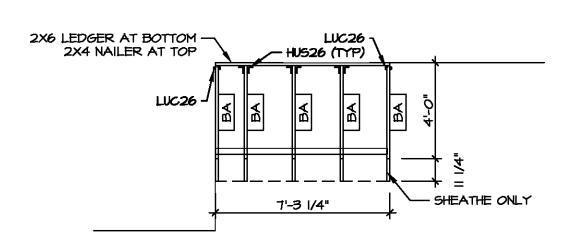
MODEL  SET NO. EMMOO  VERSION OI  DRAWING TITLE	MODEL ELM DRAWING TITLE	SHEET NO.
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EACH SIDE OR ALT I I/2" WIDE LYL FASTEN PLIES W/ (4) ROWS I2D NAILS AT I2"O.C. FROM EACH SIDE. 6.A - (3) PLY 20" TALL AND OVER: FASTEN PLIES W (4) ROWS 16D NAILS AT 12" 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.









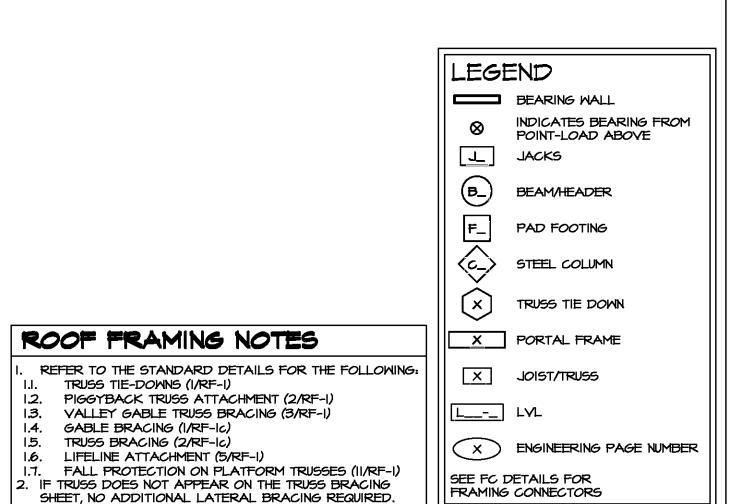


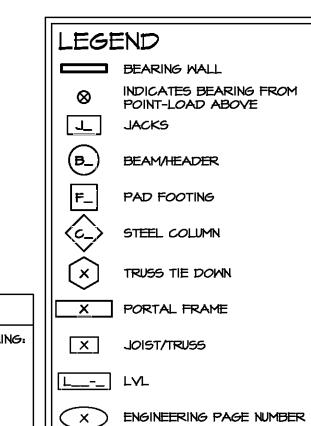


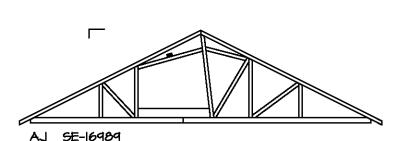
TRUSS SCHEDULE							
IDENTIFIER	SPECS	TRUSS NUMBER	LENGTH	ROOF PITCH (X/I2)	TYPE		
AA	SE	16943	29'-0"	6/12	GABLE END		
AB	SE	13183	29'-0"	6/12	COMMON		
AC	SE	13184	29'-0"	6/12	COMMON		
AD	SE	16944	29'-0"	6/12	GABLE END		
AF	SE	16945	20'-3 1/2"	6/12	GIRDER (3 PLY)		
AG	SE	13186	20'-3 1/2"	6/12	COMMON		
AH	5E	13187	20'-3 1/2"	6/12	COMMON		
LA	SE	16989	29'-0"	6/12	COMMON		
AK	SE	16946	29'-0"	6/12	SPECIAL		
BA	SE	13155	3'-10 1/2"	4/12	MONO		
VOI	VT	93344	4'-0"	6-6/12	VALLEY		
V02	VΤ	93345	8'-0"	6-6/12	VALLEY		
V03	VΤ	93346	12'-0"	6-6/12	VALLEY		
V04	VΤ	93907	16'-0"	6-6/12	VALLEY		
V <i>0</i> 5	VΤ	91920	20'-0"	6-6/12	VALLEY		

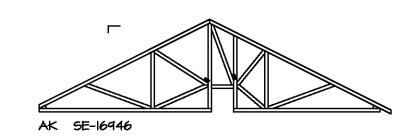
	FIE	ELD INSTALLED ROOF SCHI	FRAMING	BEAM/H	HEADER
	IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
Ī	B300	BEAM BUILT 2X8 - 2 PLY RFF	7'-2 1/2"	1017	

ROOF FRAMING NOTES









TRUSS BRACING DETAILS

5-4 SCALE: 1/8" = 1'-0"

# Truss bracing notes

- . IF TRUSS DOES NOT APPEAR ON THIS TRUSS BRACING SHEET, NO ADDITIONAL LATERAL BRACING IS REQUIRED.
- SHEET, NO ADDITIONAL LATERAL BRACING IS REQUIRED.

  2. 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 LIEU OF IX6 LATERAL BRACING.

  4. DIAGONAL BRACING REQUIRED WHEN LATERAL BRACING IS REQUIRED (1/RF-I)

  5. STUDDED GABLE BRACING DETAIL I/RF-Ic TO BE UTILIZED FOR TRUSSES 6'-9" IN HEIGHT OR GREATER.

  6. PARTIALLY SHEATHED GABLES, SEE 5/RF-Ic FOR "L" BRACING WHEN REQUIRED.

  7. LATERAL BRACING CAN BE APPLIED TO EITHER SIDE OF THE WEB MEMBER IDENTIFIED IN THE DRAWING.

  8. SHEATHING (OSB OR GYPSUM) REPLACES LATERAL AND DIAGONAL TRUSS BRACING.

SET NO. EMMOO VERSION OI DRAWN BY CEL	ACING DETAILS  Lobe reproduced, changed, or copied in any form or manner and form or mann	assigned to any third party, without	STREET ADDRESS APT. NO.	CITY STATE ZIP	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	<b>4</b> 20 20 20 20 20 20 20 20 20 20 20 20 20		OPTION	7	1-4-1 -6 (F)-3 -4 (M

BRACED WALL LINE SCHEDULE						
WIND SPEED (ULT)	IDENTIFIER	ACTUAL (FT)	REQUIRED (FT)	METHOD		
130 MPH	BWL 100.02	14.31'	10.99'	CONTINUOUS (2 SIDES)		
130 MPH	BWL 102.00	19.68'	12.51	WSP (2 SIDES)		
130 MPH	BWL 103.00	36.00'	15.33'	WSP (2 SIDES)		
130 MPH	BWL 200.02	19.31	3.45'	CONTINUOUS (2 SIDES)		
130 MPH	BWL 201.00	25.53'	7.18'	WSP (2 SIDES)		
130 MPH	BWL 202.00	27.13'	6.07'	WSP (2 SIDES)		
130 MPH	BWL 203.00	36.00'	1.15	MSP (2 SIDES)		

FAS'		LEGEND	)		
CUEATUNG	EACTENED	SPA	CING		
SHEATHING	FASTENER	EDGE5	FIELD	BWL XXX.XX	B
7/16" WOOD STRUCTURAL	8d COMMON NAILS	6" O.C.	12" O.C.		E
PANELS OR EQUIVALENT (W/ METHOD MSP, CS-MSP, CS-G)	ALTERNATIVE FASTENER 1-3/4" 16-GAUGE CORROSION RESISTANT STAPLES	3" O.C.	12" 0.C.	7/////////////////////////////////////	B
I/2" GYPSUM WALLBOARD	I-1/4" LONG, I/4" HEAD, .098" DIA. ANNULAR-RINGED NAILS	7" O.C.	7" O.C.	6B	6
(W/ METHOD GB-I, GB-2)	CORROSION RESISTANT TYPE W I-I/4" DRYWALL SCREWS	7" O.C.	7" O.C.	GB-BM	6
LAMINATED FIBROUS	IOd X I I/4" GALVANIZED ROOFING NAILS	3" O.C.	3" O.C.	LIB	L.
STRUCTURAL SHEATHING	I-I/4" I6-GAUGE CORROSION RESISTANT STAPLES	3" O.C.	3" O.C.	CS-MSP	C h
I/2" GYPSUM WALLBOARD BLOCKED AT THE EDGES (W/ METHOD GB-BW-I, GB-BW-2)	BLOCKING REQUIRED AT ALL GYPSUM EDGES. USED CORROSION RESISTANT TYPE W I-I/4" DRYWALL SCREWS	4" O.C.	12" O.C.	CS-PF	С Р (9
NOTES:	CROWN WIDTH FOR STAPL	ES IN WO	OD OD	C5-G	6 6
STRUCTURAL F				ю	Н

SPECIFIED GYPSUM FASTENING REQUIRED ONLY METHOD GB IS IDENTIFIED. SEE PHASE

SPECS FOR TYPICAL GYPSUM FASTENER SPACING.

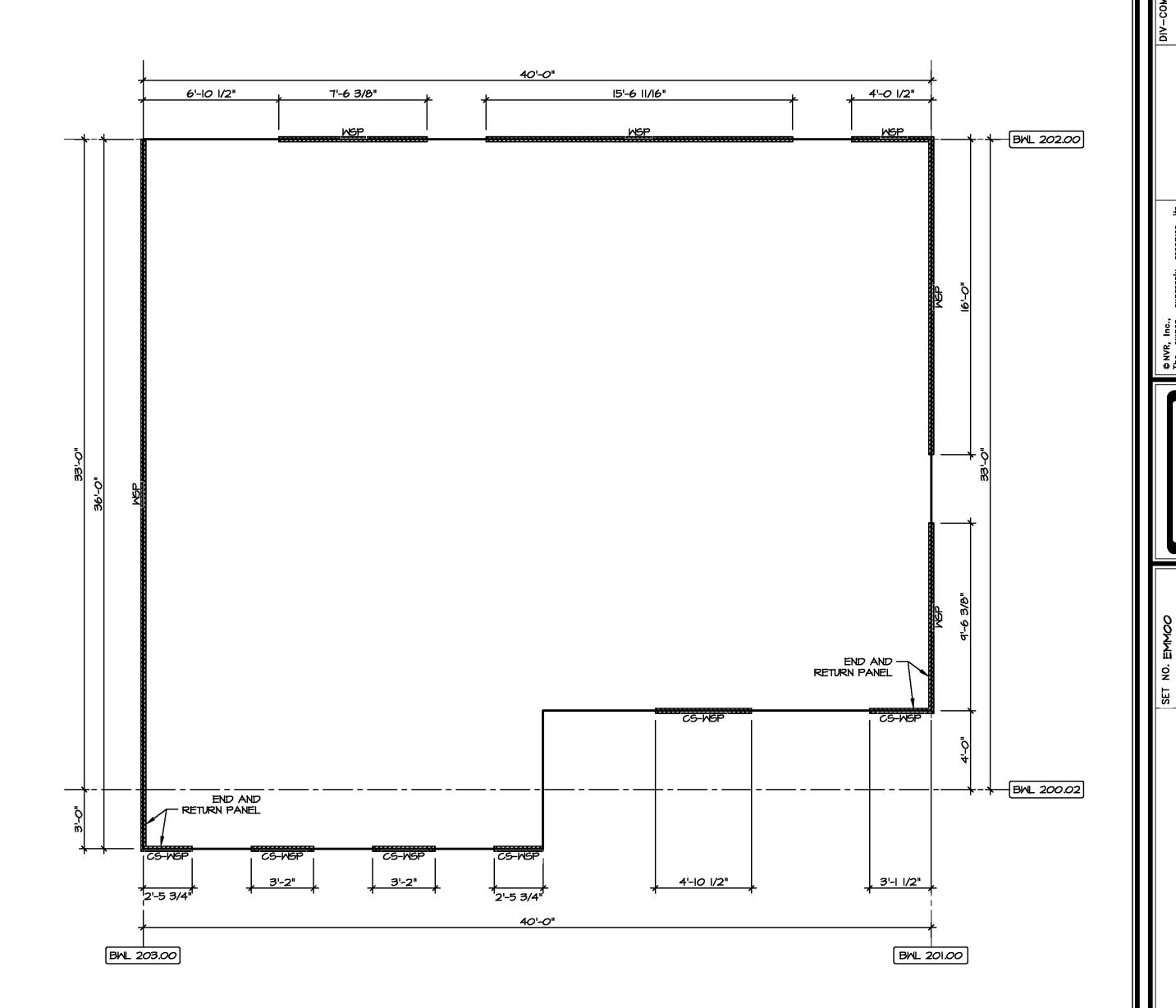
3. USE OF STAPLES IN WOOD STRUCTURAL PANEL AS FASTENING METHOD ON WALLS PER ENGINEERED

E		LEGEND	
PACING		BML XXX.XX	
<b>:</b> 5	FIELD	[BNL XXX.XX]	BRACED WALL LINE I.D.
_			BRACED WALL LINE
<i>C</i> .	12" O.C.	<b>—</b>	HOUSE WALL
c.	12" O.C.		BRACED WALL PANEL
		MSP	WOOD STRUCTURAL PANEL
C.	7º O.C.	6B	GYPSUM BOARD (I) SIDED OR (2) SIDED
C.	T" O.C.	GB-BM	GYPSUM BOARD BLOCKED WALL CONSTRUCTION (I) SIDED OR (2) SIDED (SEE STANDARD DETAIL G/WB-2)
.c.	3" O.C.	LIB	LET-IN BRACING (SEE STANDARD DETAIL F / WB-2)
c.	3" O.C.	CS-WSP	CONTINUOUS SHEATHING - WOOD STRUCTURAL PANEL
c.	12" 0.0.	CS-PF	CONTINUOUS SHEATHING - PORTAL FRAME, SEE FLOOR PLANS FOR PORTAL FRAME HEADER INFORMATION (SEE STANDARD DETAIL A, C/ WB-2)
MO	OD	C5-6	CONTINUOUS SHEATHING - MOOD STRUCTURAL PANEL ADJACENT TO GARAGE OPENINGS
	NHERE 5.	▶0	HOLD-DOWN I. SEE SHEET WB-2 "P_" INDICATOR SCHEDULE AND DETAILS 2. ARROW INDICATES LOCATION

NOTES:
HOUSE HAS BEEN ANALYZED UTILIZING A PRESCRIPTIVE
METHOD IN COMPLIANCE WITH INTERNATIONAL RESIDENTIAL
CODES (IRC) UNLESS OTHERWISE NOTED.

40'-0" 11'-9 1/4" 4'-10 1/2" 7'-6 3/4" 7'-3" 5'-6 1/2" + BWL 102.00 4'-8 7/8" 3'-1 1/2" BML 103.00

FIRST FLOOR WALL BRACING DETAIL



SECOND FLOOR WALL BRACING DETAIL 2 SECONI 5-5 SCALE: 1/8" = 1'-0"