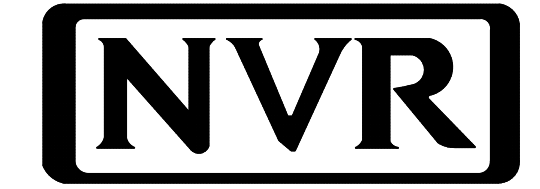


# CEDAR

DIV-COMM-LOT-UNIT -----		
COMM-LOT -----		
STREET ADDRESS -----		APT. NO. -----
CITY -----	STATE -----	ZIP -----



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

	SLAB FOUNDATION										STANDARD DETAILS	
	STD. DWGS.											
SPEC SHEET	96-1											AD-1
ROOF VENT AND CALCULATION SHEET	CA-1											DR-1
ELEVATIONS	4											DR-1b
FOUNDATIONS	5											ET-1b
FOUNDATION HOLD DOWNS	6											ET-1c
PLUMBING	7											ET-1d
FIRST FLOOR PLAN	9											F-1
SECOND FLOOR PLAN	10											F-1b
BUILDING SECTIONS	11/12											F-1c
SECOND FLOOR FRAMING	20											FA-1b
ROOF FRAMING	21											FC-1
TRUSS BRACING	22											FC-4
WALL BRACING	23											FC-5
												FD-1
												FD-1b
												FD-4
												IT-1
												IT-1b
												JT-1
												JT-1b
												JT-3
												JT-3b
												KT-1
												RF-1
												RF-1b
												RF-1c
												SEP-1
												SEP-2
												SEP-3
												SEP-4
												SP-1
												SP-2
												SP-3
												ST-1
												WB-2
												WD-1
												WS-1
												WS-1b

FIRST FLOOR SQUARE FOOTAGE	
DESCRIPTION	TOTAL SQ. FT.
1ST FLOOR (BASE SF)	783 SF
	783 SF
SECOND FLOOR SQUARE FOOTAGE	
DESCRIPTION	TOTAL SQ. FT.
2ND FLOOR (BASE SF)	1120 SF
	1120 SF
GARAGE SQUARE FOOTAGE	
DESCRIPTION	TOTAL SQ. FT.
TWO CAR FRONT ENTRY GARAGE	347 SF
	347 SF
TOTAL FINISHED SQUARE FOOTAGE	
DESCRIPTION	TOTAL SQ. FT.
1ST FLOOR (BASE SF)	783 SF
2ND FLOOR (BASE SF)	1120 SF
	1903 SF



**ROOF VENTILATION CALCULATIONS**

HOUSE NAME	CEDAR
HOUSE VERSION	CDR00_01
PRODUCT LINE	RYANHOMES
VENTILATION VALUES	SCOTT: 9.0 sq in of vent per lf RIDGE: 18 sq in of vent per lf BOX / GABLE VENT: 45 sq in of vent per unit

USER GUIDE	YES (gray)	(gray)	VENT OK	No action req'd.
	NO	YES	OK VENT OK	No action req'd.
	NO	YES	LOW FAIL	Increase ridge
	NO	YES	HIGH FAIL	Increase ridge
	NO	NO	FAIL	Increase total vent

ELEVATION "A or F or K"															
Location / Options	Area (A) (sq ft)	Required A/300 (sq ft)	Required A/200 (sq ft)	Soffit (sq ft)	Soffit Vent (sq ft)	Ridge (sq ft)	Ridge Vent (sq ft)	Upper Rim / Gable Vent (sq ft)	Lower Rim Vent (sq ft)	TOTAL (sq ft)	OK A/150	OK A/300	A/300 % vent of ridge	A/200 OK	Notes
Main House Roof	11180	1879.20	537.60	45	508.00	12	324.00			2772.25	NO	YES	81.3%	OK	
Garage Roof	11880	79.20	39.60	27.5	272.25		0.00			272.25	YES	N/A	N/A	N/A	

ELEVATION "B or L"															
Location / Options	Area (A) (sq ft)	Required A/300 (sq ft)	Required A/200 (sq ft)	Soffit (sq ft)	Soffit Vent (sq ft)	Ridge (sq ft)	Ridge Vent (sq ft)	Upper Rim / Gable Vent (sq ft)	Lower Rim Vent (sq ft)	TOTAL (sq ft)	OK A/150	OK A/300	A/300 % vent of ridge	A/200 OK	Notes
Main House Roof	11180	1879.20	537.60	45	508.00	12	324.00			2772.25	NO	YES	81.3%	OK	
Garage Roof	11880	79.20	39.60	27.5	272.25		0.00			272.25	YES	N/A	N/A	N/A	



**HOUSE VOLUME CALCULATIONS**

HOUSE NAME	CEDAR
HOUSE VERSION	CDR00-01
PRODUCT LINE	RYANHOMES

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

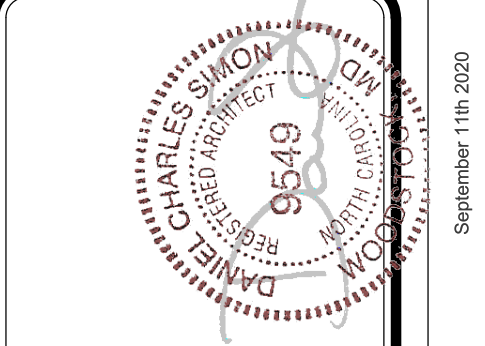
ELEVATION "X"			
Location / Area of house	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
Main section of the house			0
Garage bump out from main house			0
Porch on front of house			0
Total House Volume			0

ELEVATION "X"			
Location / Area of house	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
Main section of the house			0
Garage bump out from main house			0
Porch on front of house			0
Total House Volume			0

ELEVATION "X"			
Location / Area of house	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
Main section of the house			0
Garage bump out from main house			0
Porch on front of house			0
Total House Volume			0

ELEVATION "X"			
Location / Area of house	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
Main section of the house			0
Garage bump out from main house			0
Porch on front of house			0
Total House Volume			0

Additional areas of volume to be added to total house volume as needed			
Location / Area of house / option	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
			0



DIV-COMM-LOT-UNIT

COMM-LOT

STREET ADDRESS

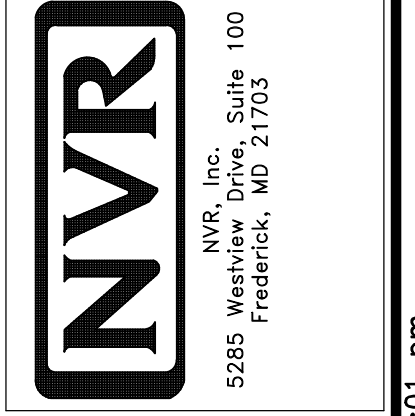
CITY

STATE

ZIP

APT. NO.

The owner expressly reserves its right to modify or amend these plans in these plans. These plans are not to be reproduced, changed, or altered in any way without the written consent of NVR, Inc.



SHEET NO. CA-1

MODEL CEDAR

DRAWING TITLE

OPTION DESCRIPTION

SET NO. CDR00\_01

VERSION 01

DRAWN BY

DATE

OPTION

9/03/20

09/03/20

GENERAL

- 1. 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 subject 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 P2404 or NFPA 13D 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 301.3.

CODE ANALYSIS

- 1. This note sheet only covers major code requirements. The plans are intended to conform to all current applicable codes including, but not limited to:
NCRBC 2018, NCMC 2018, NCPG 2018, NCFGC 2018, NEC 2017 w/ NC Amendments, NCEC 2018, NCFPE 2018
2. Use Group: R-3
3. Constr. Type: V-B
4. Max. Stories: 3

ENERGY AND MECHANICAL

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

Table with 9 columns: CLIMATE ZONE, FENESTRATION U-FACTOR, GLAZED FENESTRATION SHGC, CEILING R-VALUE, FRAME WALL R-VALUE, FLOOR R-VALUE, BASEMENT WALL R-VALUE, SLAB R-VALUE, CRAWL SPACE WALL R-VALUE. Rows for climate zones 3 and 4.

- 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
- 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:

Table with 2 columns: Ridge vent, Soffit vent, Roof jack (box vent). Values for minimum sq. in. of vent per linear foot.

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

DESIGN LOADS

Table of Loads for House Structure, Per Table 301.5

Table with 2 columns: Location (Floor Living Areas, Floor Sleeping Areas, Garage Floors, Roof Areas, Habitable Attics, Walls, Stairs) and Load (e.g., 40# P.S.F. (Live), 10# P.S.F. (Dead)).

Design Criteria

- Design Codes:
1. National Design specification for Wood Construction by National Forest Products Association.
2. Specification for the Design Fabrication and Erection of Structural Steel for Buildings by American Institute of Steel Construction.

Table with 2 columns: Material (Headers, Studs, Jacks, Beams, Joists, LVL) and Specification (e.g., Southern Pine (KD-14), No. 1 Grade).

- Where required, Laminated Veneer Lumber may be used per Engineering Structural Steel - A.S.T.M. A36

FOUNDATIONS

- 1. 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 2500 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.
3. Walls and footings designed as unreinforced unless otherwise specified on foundation plans or details.
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 1 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 1 square foot for each 1,500 square feet of area.
8. Foundation drains shall be located per local codes and according to local site conditions.
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.
11. 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 paring from footing to top of finished grade.
13. Where required, concrete and masonry foundation walls shall be waterproofed with an approved membrane extending from footing to top of finished grade.
14. Non-structural garage slabs shall be nominal 3 1/2" thick.
15. Foundation framing anchors shall be 1/2"x18" anchor bolts with 1" minimum embedment or Simpson Strong-Tie MASA / USF FA3 (16 gauge steel, galvanized) or equivalent set in concrete or grouted cell.
16. Steel columns and bases shall be given a shop coating of rust-inhibitive paint or equivalent to provide corrosion resistance per R401.2.
17. For masonry veneers:
Per R103.8.1 - Corrugated sheet metal veneer ties shall be a minimum of No. 22 U.S. gauge by 7/8 inch.
Additional metal ties shall be provided around all wall openings greater than 16 inches (406 mm) in either dimension.
Per R103.2 - One layer of No. 15 asphalt felt or other approved water-resistant barrier shall be provided behind brick.
Per Table R103.8.4 - Provide minimum 1-inch air space between brick veneer and sheathing.
Per R103.8.6 - Provide minimum 3/16" diameter weep holes at 33" on center maximum, located immediately above the flashing.
Per R103.8.5 - 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.
18. Porch slab and exterior concrete work shall be nominal 4" minimum #3500 air entrained concrete w/ 6x6 #10 W/M/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.
20. Block foundation walls may be substituted for poured foundation walls shown on foundation plans provided all requirements of Section R404 are met.
21. Termite treatment provided below slabs or to framing members per R310.1.

FOUNDATION WALL DESIGN (C) NCRBC PRESCRIPTIVE CODE OR ENGINEERED DESIGN PER ACI 332

Table with 6 columns: WALL HEIGHT, WALL THICKNESS, LATERAL SOIL LOAD (w), UNBALANCED FILL, VERTICAL REINFORCING (v), HORIZONTAL REINFORCING (h). Rows for wall heights 8'-0", 10', 12', 14', 16', 18', 20'.

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. SPACINGS 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 3RD PORTION OF WALL HEIGHT PER TABLE 404.1.2(1).

PLANS

- 1. 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. hgt. 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.
3. Clear opening heights for exterior doors to be 6'-6" minimum per R311.2.
4. Sliding glass drs/patio drs/walks must be safety glazed per R308.4.
5. Interior stairway shall have minimum head room of 6'-8" per R311.2 and minimum tread depth of 4" and maximum riser height of 8 1/4".
6. Guard rails to have minimum height of 36" and shall not have openings from the walking surface to the required guard 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 R312.3.
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 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.B.
10. All flashing used (including at windows, doors, and with stone or masonry veneer) shall be corrosion-resistant per R103.4.
11. Wood framed walls assumed to be 2 x 4 stud construction unless otherwise noted on plans.
12. All exterior sheathing to be structural sheathing designed in accordance with R602.10.
13. An approved water-resistant barrier shall be applied over sheathing of exterior walls per Section R103.2.
14. Interior sheathing shall be 1/2" gypsum wall board unless otherwise noted.
15. All screws shall be corrosion-resistant Type W-1-114" drywall screws.

SCREW FASTENING SCHEDULE table with columns: Framing Spacing, Girdings, Load-brg. walls, Non-load-brg. walls. Rows for WITH ADHESIVE and WITHOUT ADHESIVE.

- For 1/2" wallboard, nails shall be 1-1/4" long, 1/4" head and .048 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 .048 diameter shanks.
Garages shall be completely separated from the residence and attic area by not less than 1/2" gypsum board applied to the garage side.
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.
Asphalt shingles shall be installed per section R405.2.
Attic spaces shall be ventilated w/ ridge and soffit vents unless otherwise noted.

- 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 R1004 and I005.
24. Single family attached structures to have 2-hour dwelling unit separation wall continuous to roof deck.
25. Untreated wood shall be minimum 8" above finish grade per R311.7 item #2.
26. Bottom plates on slabs and any wood in contact w/ concrete or masonry to be pressure treated material per Section R311.
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 1 1/2" below the top of the threshold when the door swings out.
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 12" 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.
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 gypsum board.
33. 1-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.
34. Wall bracing is designed in compliance with Section R602.10.
35. Minimum floor sheathing shall be 5/8" tongue & groove decking underlayment grade plugged and ganded, exterior glue, glued and nailed on joists to meet. "American Plywood Association" approved glued floor system, unless otherwise specified.

ELECTRICAL

- 1. 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.
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.
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.
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 1fc 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.
8. Outlets installed in laundry areas must be GFI protected.



REMARKS table with columns: REV. NO., DATE, IUB/IR, MBT - CODE UPDATES FOR 2018 NCRBC, MFT - UPDATED ENGRY NOTES. Includes a note about NVR, Inc. not being responsible for errors.

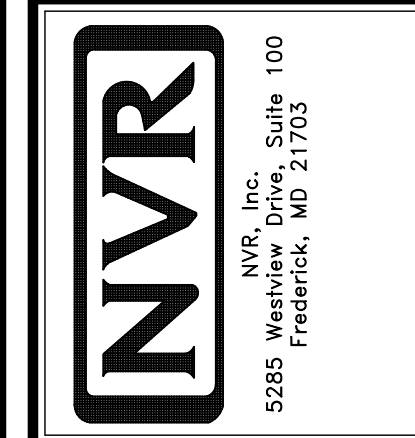
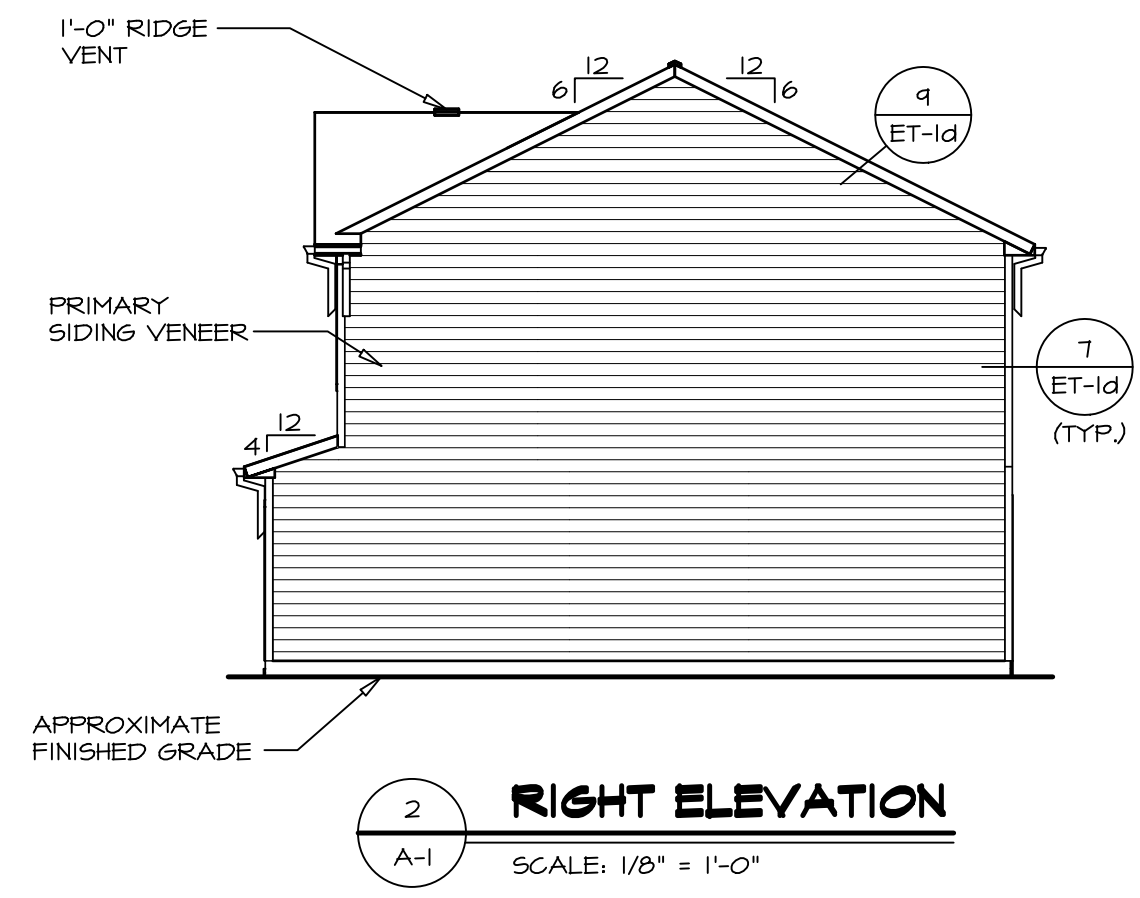
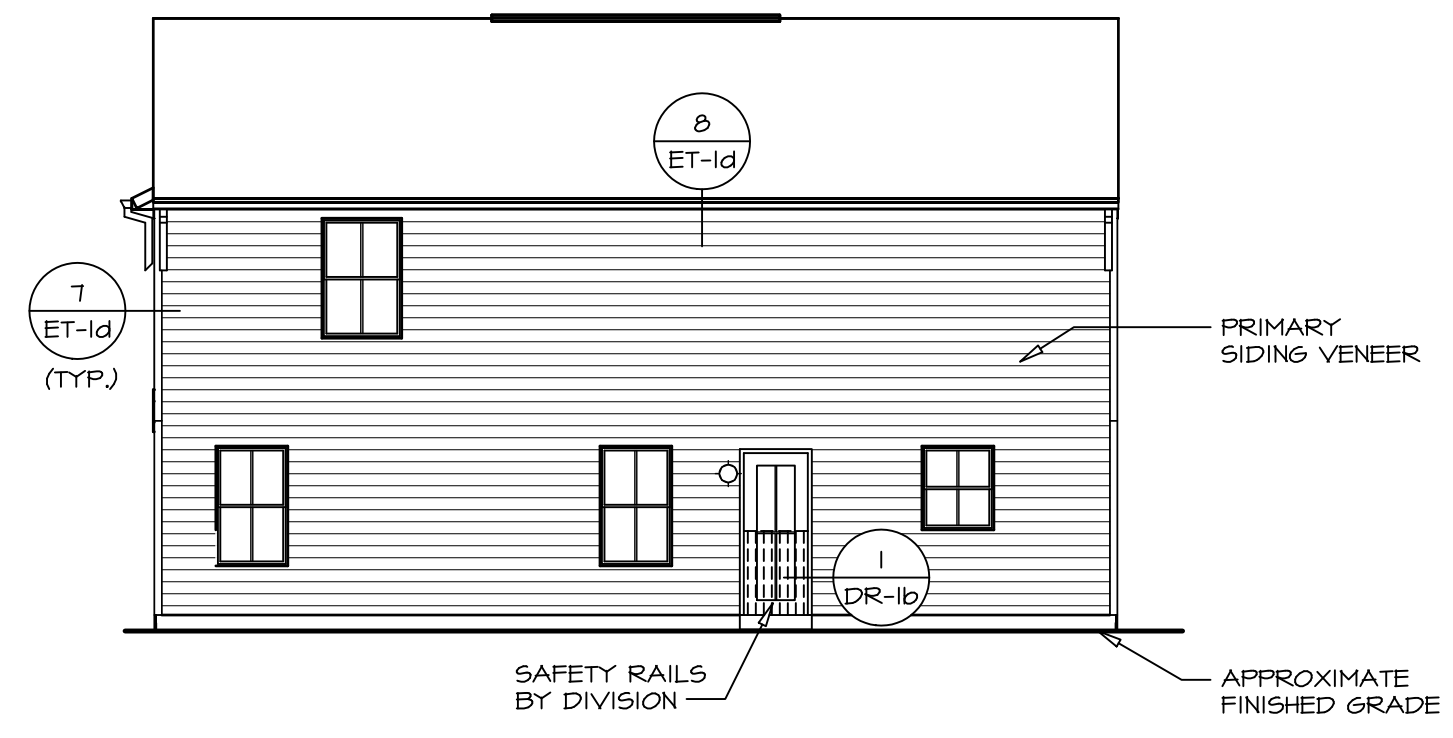


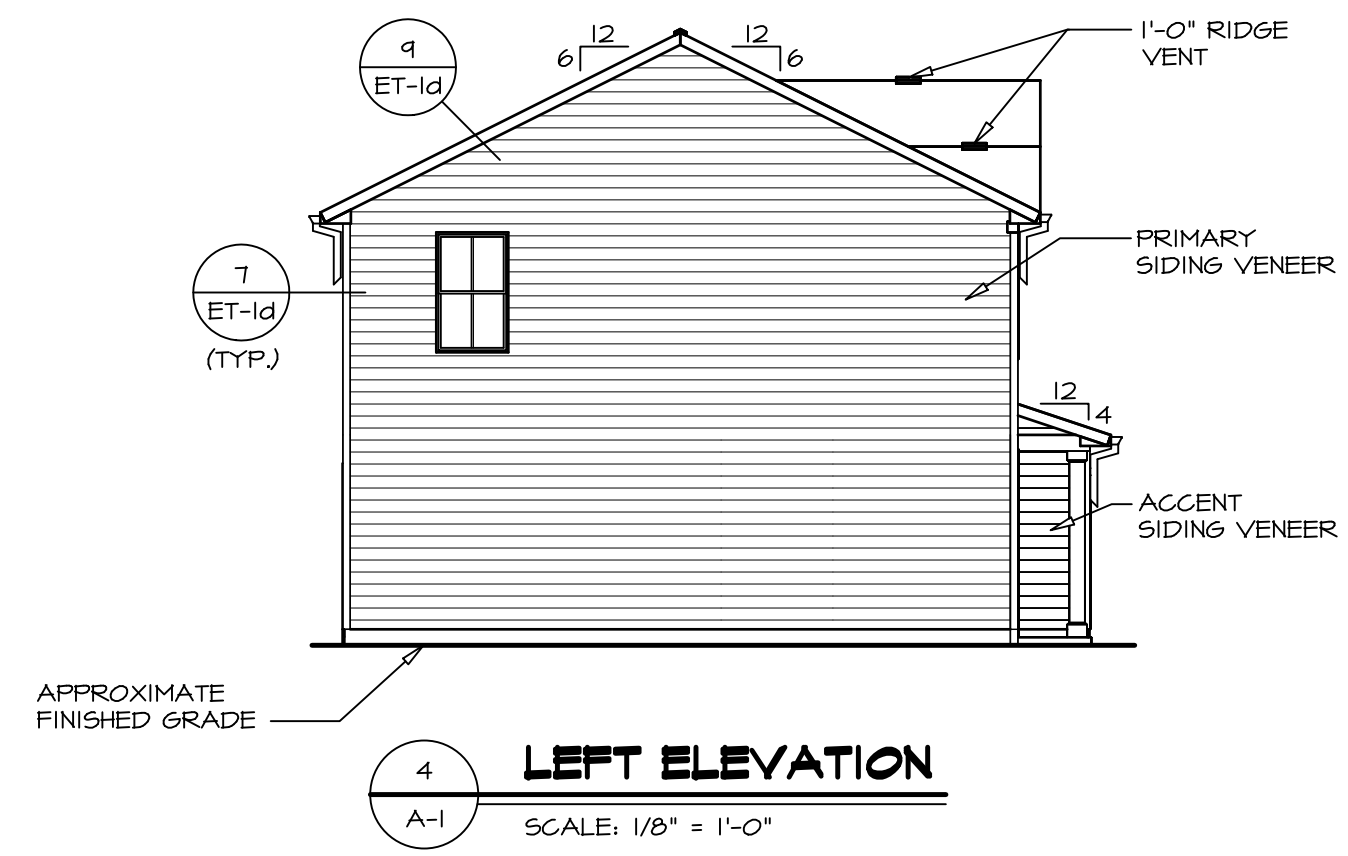
Table with columns: SHEET NO., MODEL, DRAWING TITLE, SET NO., VERSION, DRAWN BY, DATE, OPTION. Includes project information: NCRBC 2018 SPEC SHEET, SINGLE FAMILY ATTACHED, NC State Building Code - Residential Code 2018.



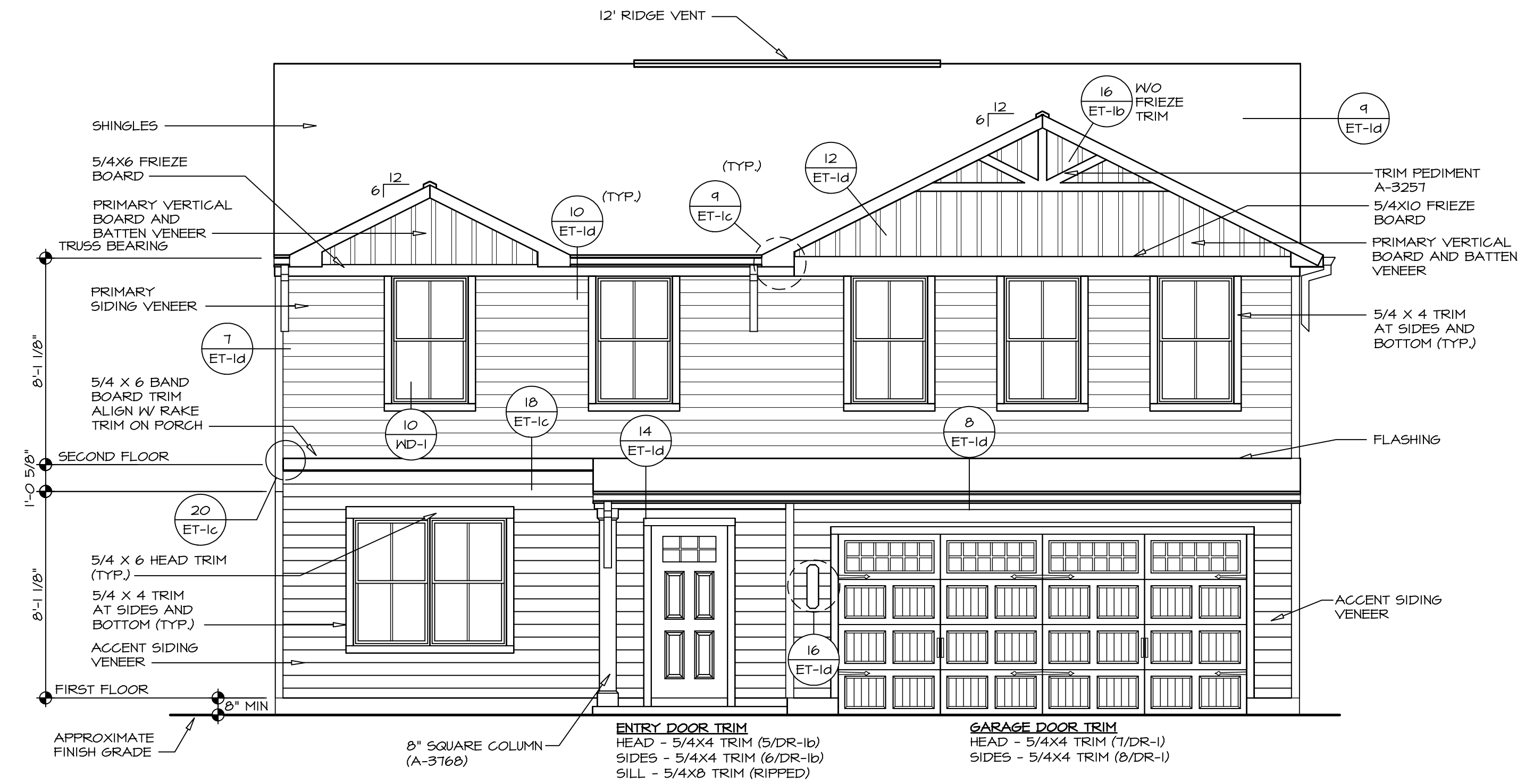
**2 RIGHT ELEVATION**  
SCALE: 1/8" = 1'-0"



**3 REAR ELEVATION**  
SCALE: 1/8" = 1'-0"



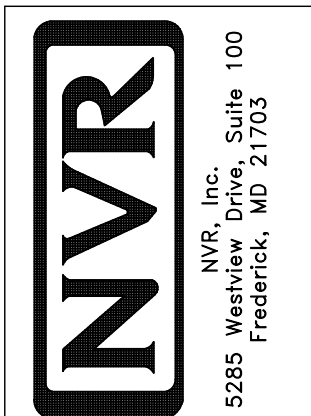
**4 LEFT ELEVATION**  
SCALE: 1/8" = 1'-0"



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

DIV-COMM-LOT-UNIT			
COMM-LOT	-----		
STREET ADDRESS	-----		
CITY	STATE	APT. NO.	ZIP
-----	-----	-----	-----

© NVR, Inc. expressly reserves the right to modify or change these plans without notice. These plans are not to be reproduced, changed or altered in any way without the written consent of NVR, Inc.



SHEET NO.	MODEL	SET NO.	CDPROO
A-1	CEDAR	VERSION	01
	ELEVATIONS	DRAWN BY	
	SLAB FOUNDATION	DATE:	OPTION
4			FSA



PAD FOOTING SCHEDULE					
IDENTIFIER	LENGTH	WIDTH	HEIGHT	ENG. N.M.	REMARKS
FO01	11'-1 1/2"	1'-4"	0'-8"	S0001	
FO02	8'-7"	1'-4"	0'-8"	S0001	
FO03	2'-0"	2'-0"	1'-0"	1016	

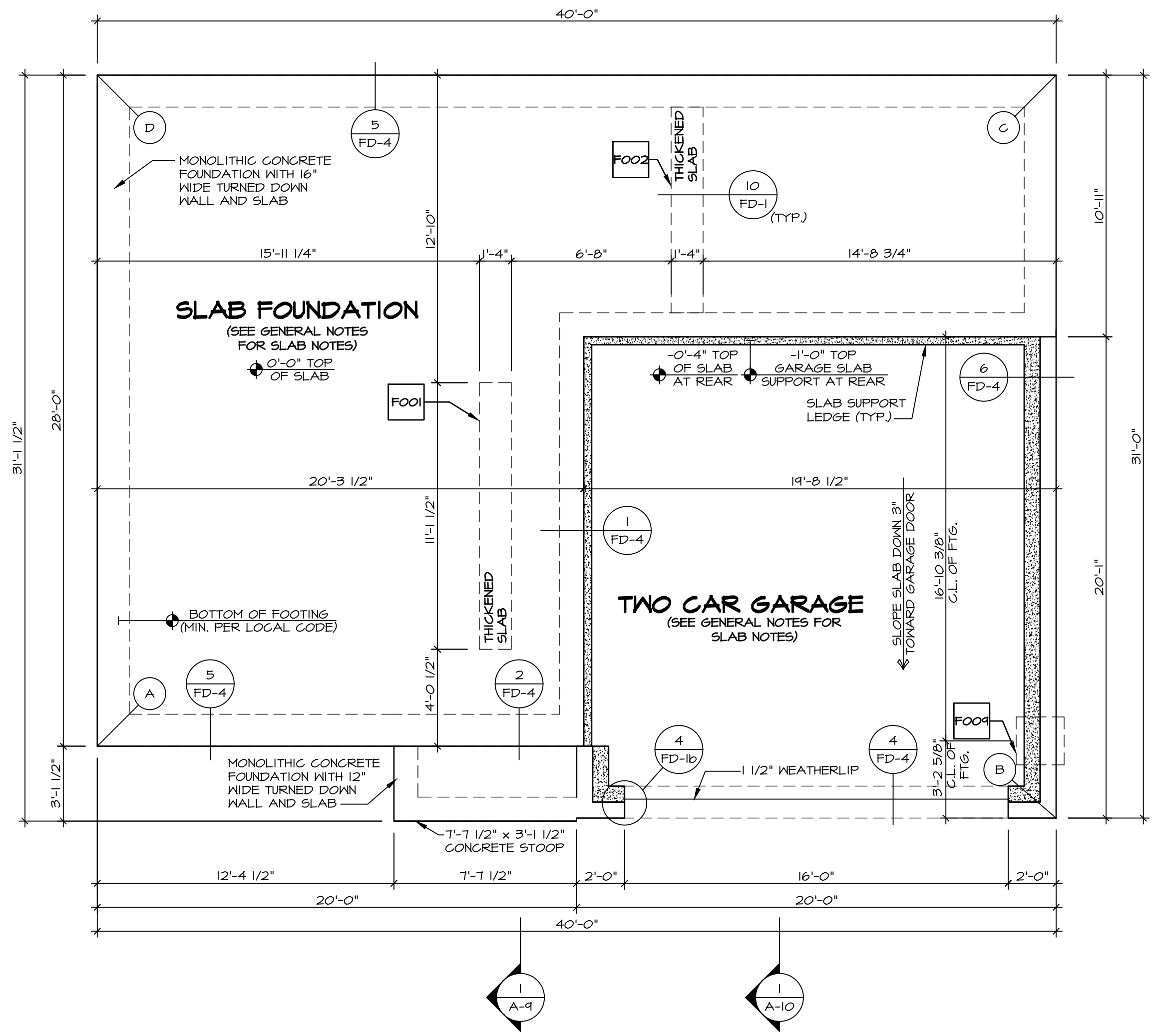
FOUNDATION DIAGONALS			
A		B	
A	0"	A	40'-1 11/32"
B	40'-1 11/32"	B	0"
C	48'-9 24/32"	C	31'-0"
D	28'-0"	D	50'-7 9/32"

- FOUNDATION NOTES - SLAB**
- FOUNDATION UNDER HABITABLE SPACE:
    - 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 SLAB NOTES) OR
    - STRUCTURAL CONCRETE SLAB ON VAPOR BARRIER OVER SUB-BASE (SEE SPEC SHEET FOR SLAB NOTES)
  - SEE FOUNDATION HOLD DOWN SHEET FOR CONNECTION INFORMATION.
  - SLAB LEDGE LOCATIONS VARY W/ GRADE BEAM(S) ORIENTATION. SEE GB-1 FOR DETAILS.
  - THE DIRECTION OF THE ARROW IS THE DIRECTION OF REBAR, AS REQUIRED.
  - ALL FOOTINGS ARE PLAIN, UNREINFORCED CONCRETE UNLESS NOTES OTHERWISE.

**LEGEND**

	BEARING WALL
	NON BEARING WALL
	INDICATES BEARING FROM POINT-LOAD ABOVE
	JACKS
	BEAM/HEADER
	PAD FOOTING
	STEEL COLUMN
	TRUSS TIE DOWN
	PORTAL FRAME
	JOIST/TRUSS
	LVL
	ENGINEERING PAGE NUMBER

SEE FC DETAILS FOR FRAMING CONNECTORS



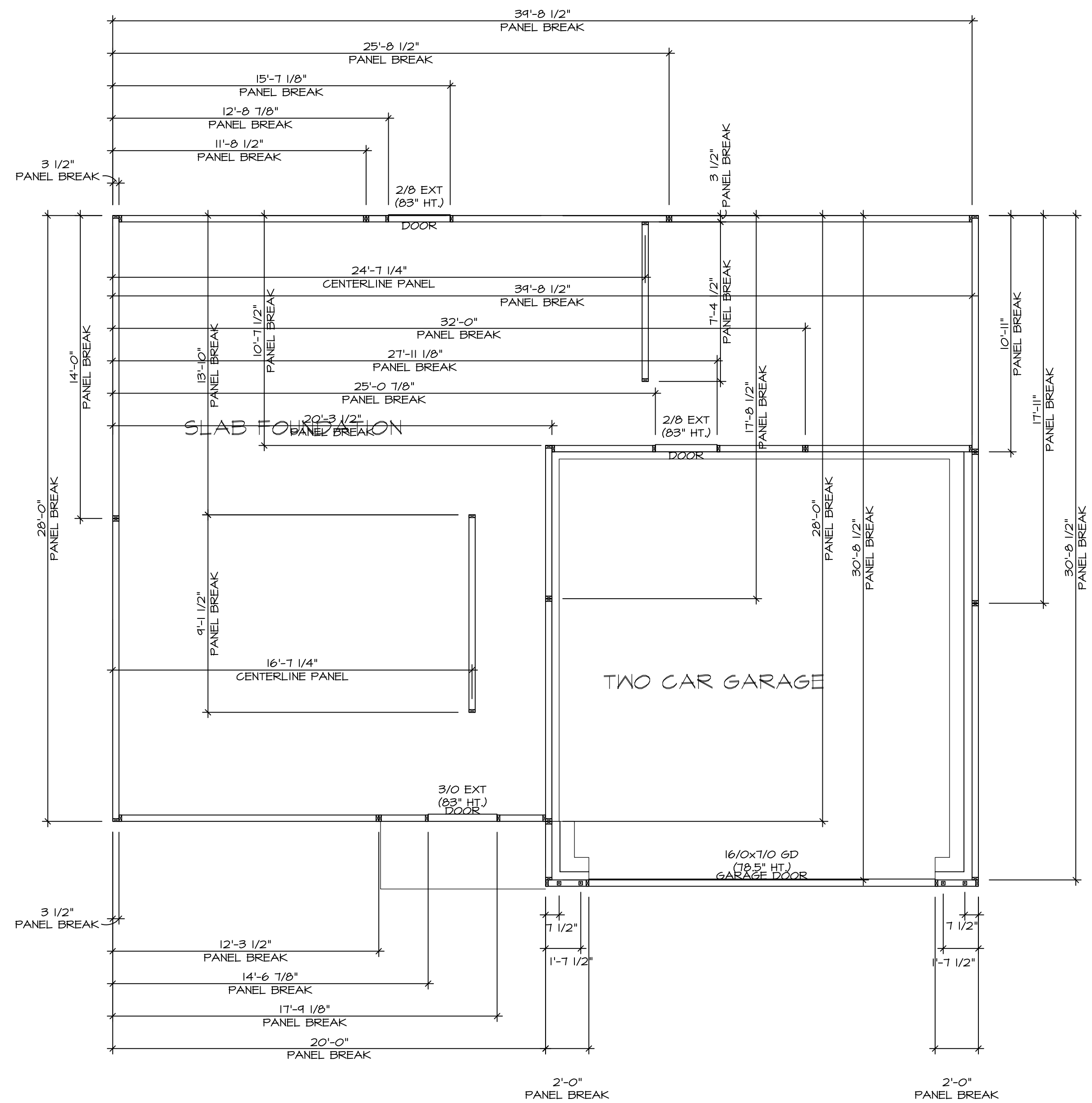
**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"

DIV-COMM-LOT-UNIT  
 COMM-LOT  
 STREET ADDRESS  
 CITY STATE ZIP

© NVR, Inc. expressly reserves the right to modify or amend these plans without notice. These plans are not to be reproduced, changed or altered in any way without the written consent of NVR, Inc.

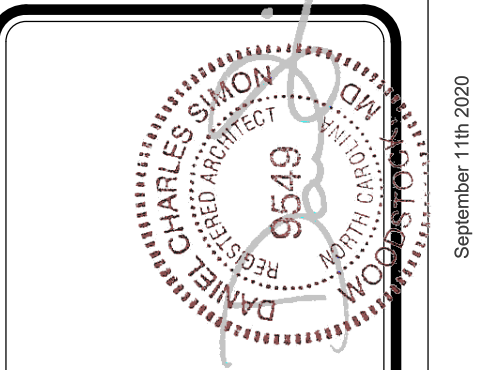
**NVR**  
 NVR, Inc. Suite 100  
 Frederick, MD 21703

SHEET NO.	<b>A-3</b>	MODEL	<b>CEDAR</b>
VERSION	01	SET NO.	CDROO
DRAWN BY		DRAWING TITLE	FOUNDATION PLAN
DATE:		OPTION DESCRIPTION	SLAB FOUNDATION
OPTION	FSA	SHEET NO.	<b>5</b>



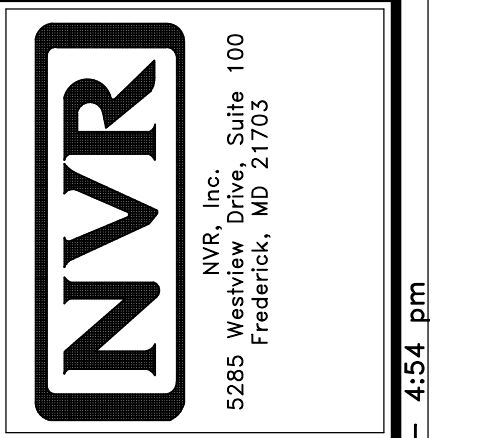
**FOUNDATION HOLD DOWN DETAILS**  
 SCALE: 1/4" = 1'-0"

HOLD DOWN NOTES	
REFER TO DETAIL (1/FD-1) FOR HOLD DOWN OFFSET DIMENSIONS. REFER TO DETAIL (12/FD-1) FOR HOLD DOWNS ON CMU BLOCK.	
	1. ALL PANELS GREATER THAN 24" SHALL HAVE AN ANCHOR WITHIN 12" OF THE PANEL BREAKS / ENDS. (SEE DETAIL SHEET FF-1 FOR MORE INFORMATION ON ANCHOR DETAILS)
	1. STRAP: a. ON FOUNDATION USE (STHD14) b. ON FLOOR SYSTEM USE (STHD14R-U) 2. ALL OTHER HOLD DOWN SEE DETAIL (16B-2) FOR MORE INFORMATION. 3. STRAP LOCATION ON PLANS SHOWN BY DASHED DIMENSION TO CENTER OF STUDS
OR	
	1. 5/8"Ø THREADED ROD 2. ALL OTHER HOLD DOWN SEE DETAIL (16B-2) FOR MORE INFORMATION. 3. BOLT LOCATION ON PLANS SHOWN BY SOLID DIMENSION TO CENTER OF BOLT



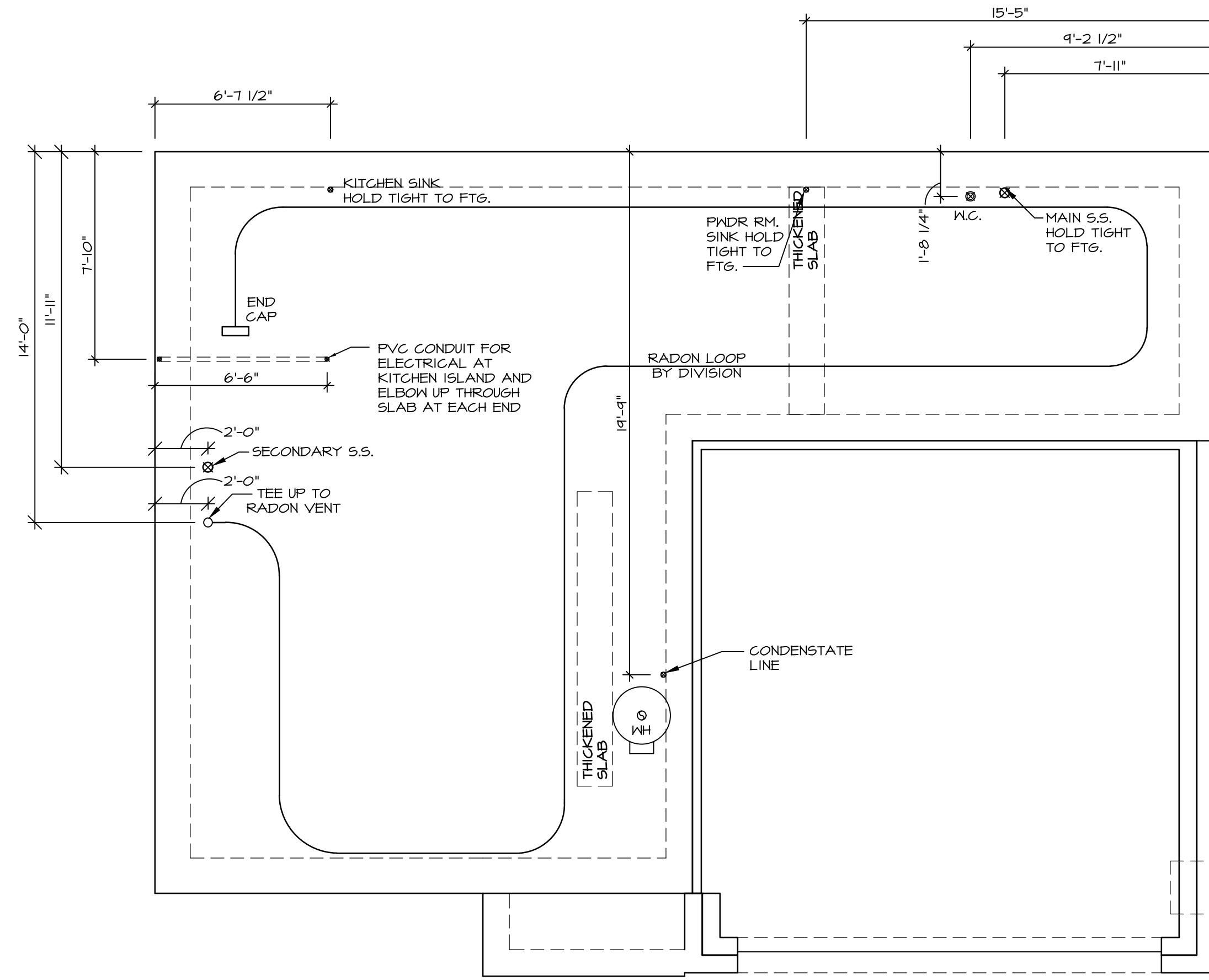
DIV-COMM-LOT-UNIT  
 COMM-LOT  
 STREET ADDRESS  
 CITY STATE ZIP  
 APT. NO.

The owner expressly reserves its right to be reproduced, changed, or otherwise used by any third party, without the consent of NVR, Inc.



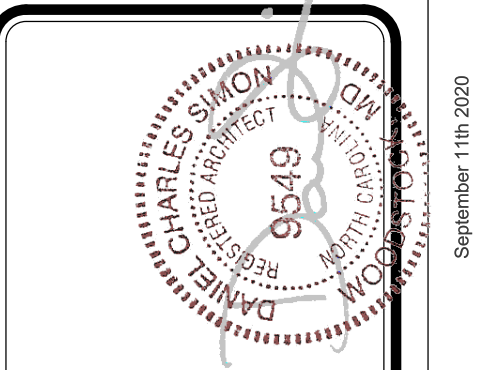
MODEL <b>CEDAR</b>	SET NO. CDPROO VERSION 01
DRAWING TITLE <b>FOUNDATION HOLD DOWN DETAILS</b>	DRAWN BY
OPTION DESCRIPTION	DATE
	OPTION
SHEET NO. <b>A-4</b>	6

# INSTALLATION OF RADON STACK AND LOOP TO BE DETERMINED BY DIVISION



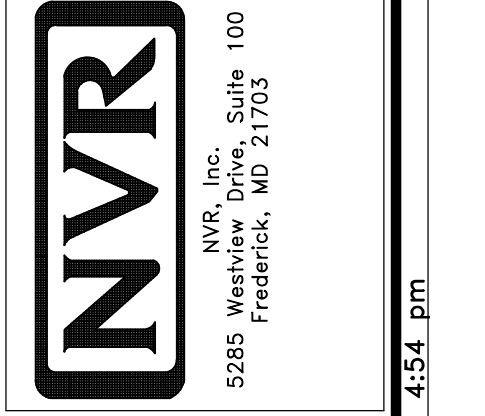
**PLUMBING PLAN**  
 SCALE: 1/4" = 1'-0"

**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  
 - SCREENS 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 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.

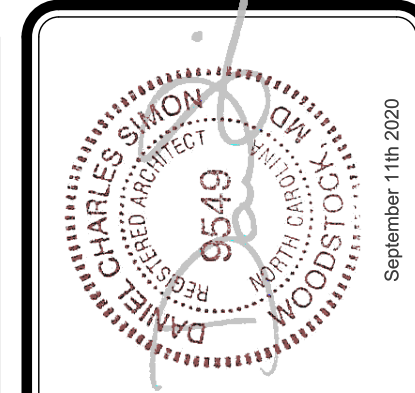


DIV-COMM-LOT-UNIT  
 COMM-LOT  
 STREET ADDRESS  
 CITY STATE ZIP

The owner expressly reserves its right to be reproduced, changed, or assigned to any third party, without the consent of NVR, Inc.



MODEL <b>CEDAR</b>	SET NO. CDPROO	VERSION 01
DRAWING TITLE <b>PLUMBING PLAN</b>	DRAWN BY	DATE:
OPTION DESCRIPTION	OPTION	
SHEET NO. <b>A-5</b>		
		<b>7</b>



FIRST FLOOR JACK SCHEDULE			
IDENTIFIER	DESCRIPTION	ENG. NUM.	REMARKS
J101	JACK - (3) 2X4 SFF STUD GRADE	1014	
J102	JACK - (2) 2X4 SFF STUD GRADE	1014	
J103	JACK - (2) 2X4 SFF STUD GRADE	1014	
J104	JACK - (2) 2X4 SFF STUD GRADE	1014	
J105	JACK - (2) 2X4 SFF STUD GRADE	1012	
J106	JACK - (4) 2X4 SFF#	1025	
J107	JACK - (4) 2X4 SFF#	1025	
J108	JACK - (2) 2X4 SFF STUD GRADE	1008	
J109	JACK - (2) 2X4 SFF STUD GRADE	1008	
J110	JACK - (2) 2X4 SFF STUD GRADE	1010	
J111	JACK - (2) 2X4 SFF STUD GRADE	1010	
J112	JACK - (4) 2X4 SFF STUD GRADE	1006	
J113	JACK - (4) 2X4 SFF STUD GRADE	1006	
J114	JACK - (4) 2X4 SFF STUD GRADE	1006	
J115	JACK - (4) 2X4 SFF STUD GRADE	1006	

FIELD INSTALLED FIRST FLOOR BEAM/HEADER SCHEDULE				
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
B101	INT HEADER - 2X8 - 2 FLY	4'-1"	1014	

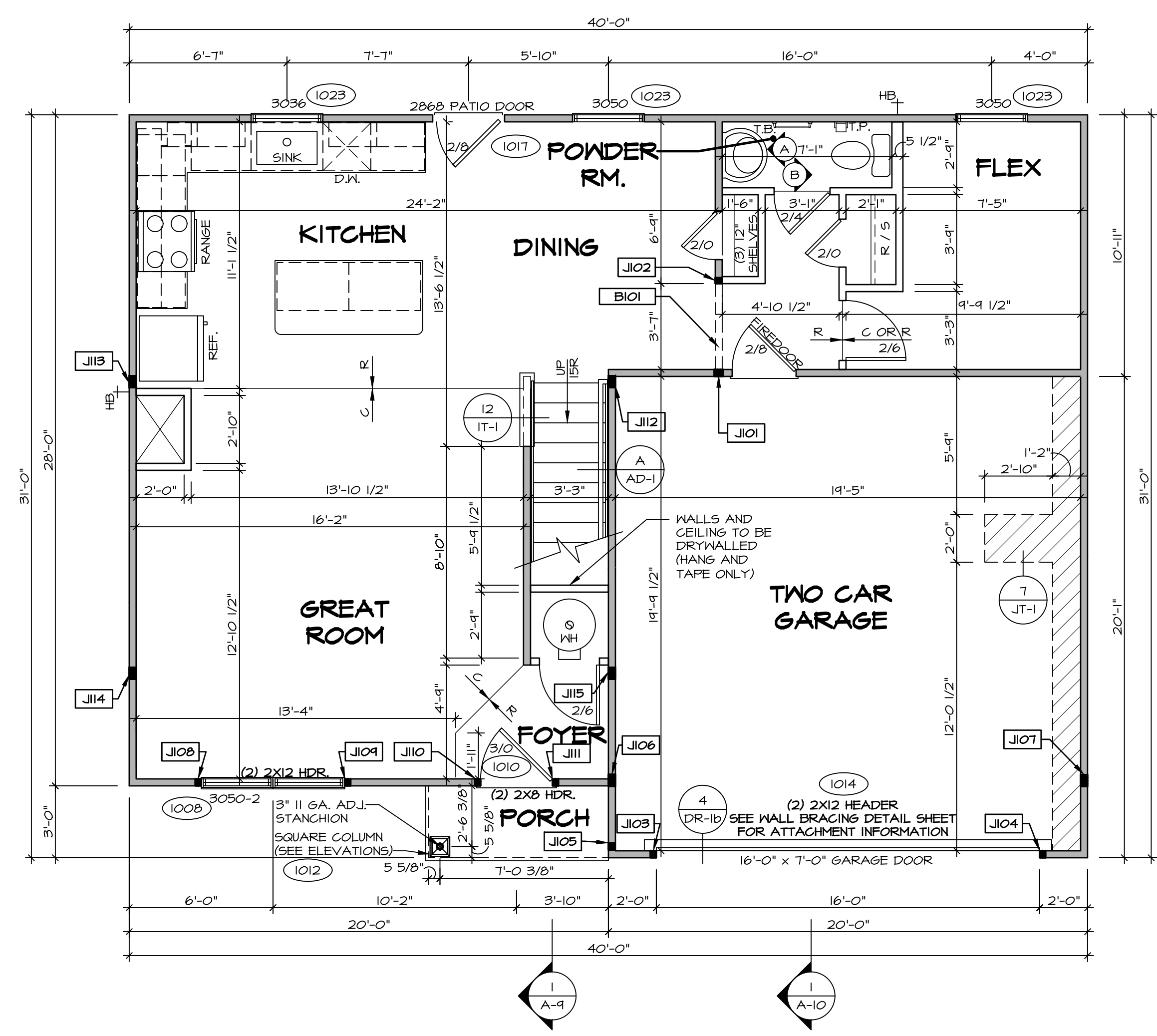
- FLOOR PLAN NOTES**
- ALL HEADERS ARE (2) 2x6 w/ 2x4 WALLS OR (3) 2x6 w/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
  - ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK AND KING STUD EACH END, UNLESS OTHERWISE NOTED.
  - MULTI-OPENING HEADERS TO HAVE (2) JACKS AT INTERMEDIATE BEARING, UNLESS OTHERWISE NOTED. NO ADDITIONAL 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.
  - 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 "11" SHEET(S) FOR INTERIOR TRIM DETAILS.
  - SEE ARCHITECTURAL DETAIL SHEET "AD" FOR HOUSE SPECIFIC INTERIOR TRIM OPTION TABLE.
  - ALL WINDOWS HAVE 1'-0 1/2" HEADER HEIGHT UNLESS OTHERWISE NOTED.
  - 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 HEADS AND SUPPORTS PER STANDARD DETAIL FA-1(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
- JACKS
- BEAM/HEADER
- PAD FOOTING
- STEEL COLUMN
- TRUSS TIE DOWN
- PORTAL FRAME
- JOIST/TRUSS
- LVL
- ENGINEERING PAGE NUMBER

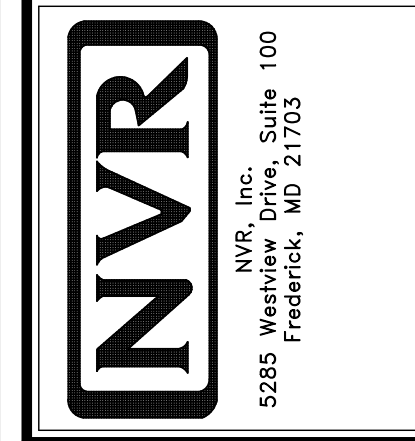
SEE FG DETAILS FOR FRAMING CONNECTORS



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

---  
 DIV-COMM-LOT-UNIT  
 COMM-LOT  
 STREET ADDRESS  
 CITY  
 STATE  
 ZIP  
 APT. NO.

© NVR, Inc. expressly reserves the right to modify these plans without notice. These plans are not to be reproduced, changed, or otherwise used without the written consent of NVR, Inc.



MODEL	SET NO.	CDPROO
CEDAR	VERSION	01
DRAWING TITLE	DRAWN BY	
FIRST FLOOR PLAN	DATE:	
OPTION DESCRIPTION	OPTION	
SHEET NO.	A-7	9





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

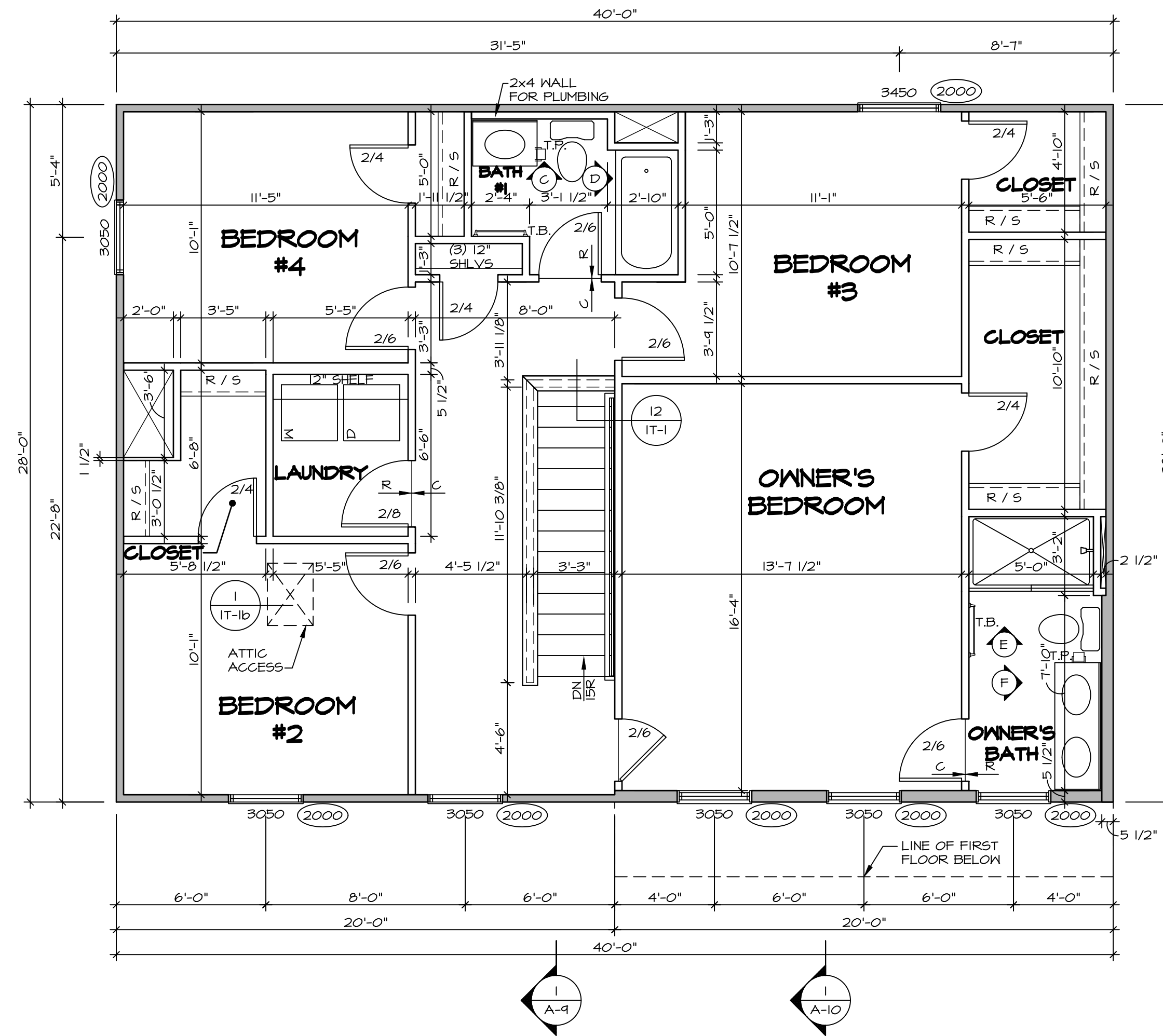
**AT GARAGE:**  
 GYPSUM BOARD AT COMMON WALLS, CEILING, BEAM WRAPS AND SUPPORTS PER STANDARD DETAIL FA-1(b) FIRE ASSEMBLIES OR AS REQUIRED BY LOCAL CODE.

**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
- JACKS
- BEAM/HEADER
- PAD FOOTING
- STEEL COLUMN
- TRUSS TIE DOWN
- PORTAL FRAME
- JOIST/TRUSS
- LVL
- ENGINEERING PAGE NUMBER

SEE FC DETAILS FOR FRAMING CONNECTORS



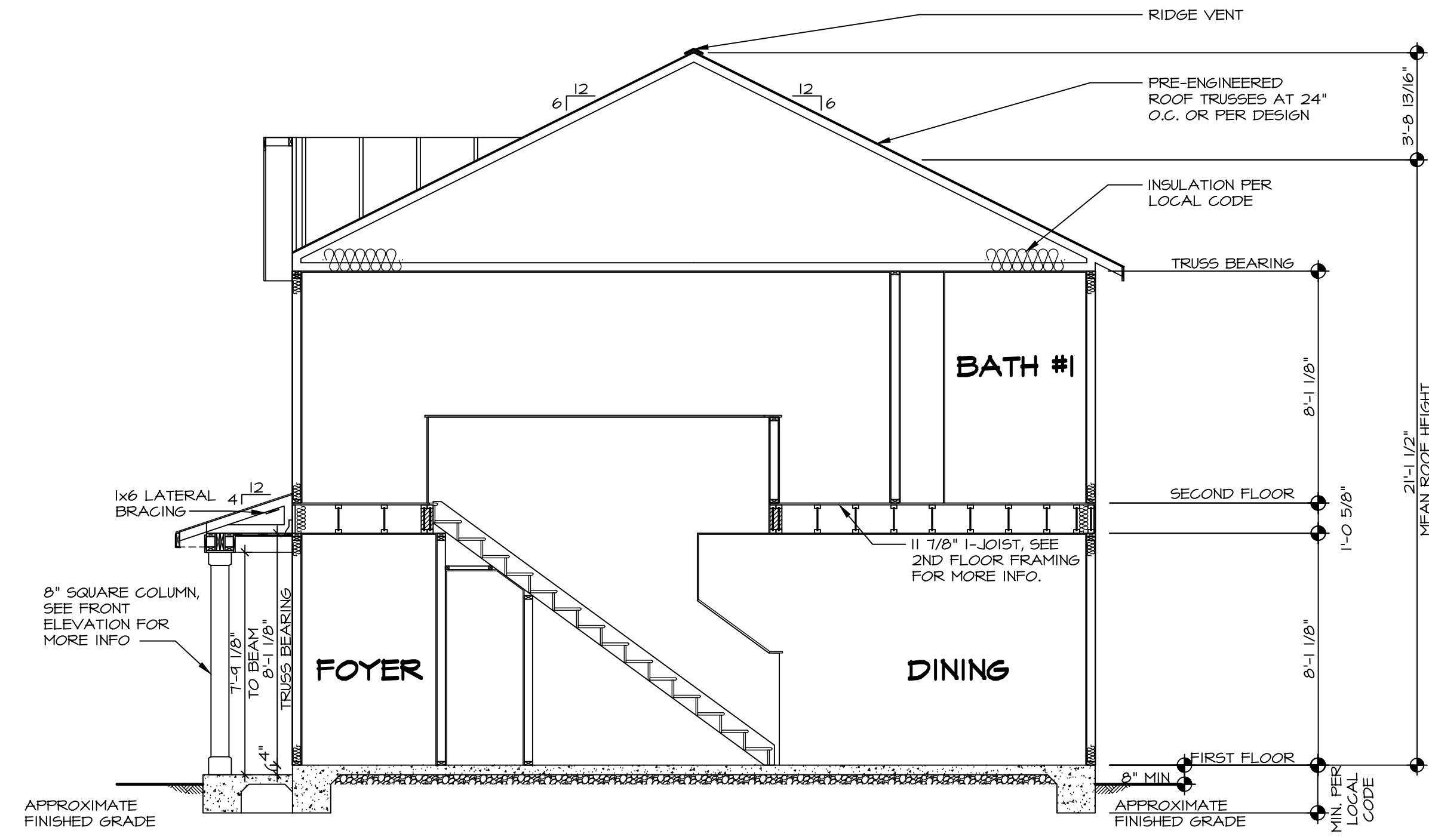
**SECOND FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

DIV-COMM-LOT-UNIT	
COMM-LOT	APT. NO.
STREET ADDRESS	
CITY	STATE
ZIP	

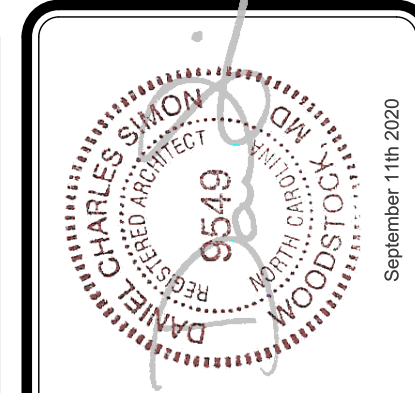
© NVR, Inc. The owner expressly reserves the right to modify or amend these plans at any time without notice. These plans are not to be reproduced, changed, or altered in any way without the written consent of NVR, Inc.

**NVR**  
 NVR, Inc. Suite 100  
 5285 Walkers Lane  
 Frederick, MD 21703

MODEL	SET NO. CDPROO
CEDAR	VERSION 01
DRAWING TITLE	DRAWN BY
SECOND FLOOR PLAN	DATE:
OPTION DESCRIPTION	OPTION
A-8	10

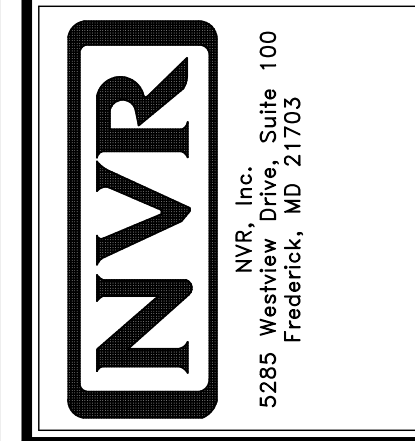


**BUILDING SECTION - FOYER**  
SCALE: 1/4" = 1'-0"

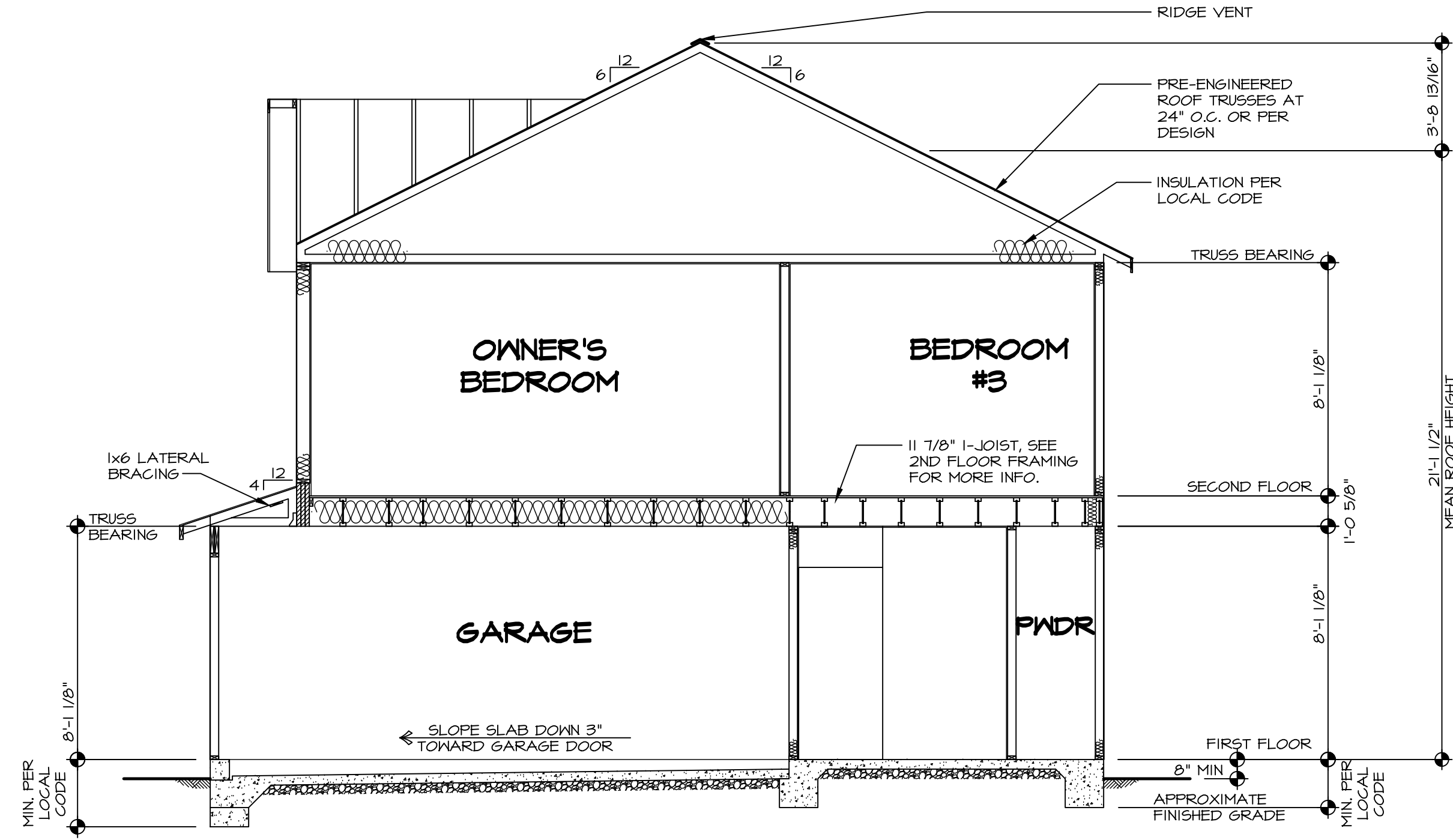


DIV-COMM-LOT-UNIT  
COMM-LOT  
STREET ADDRESS  
CITY  
STATE  
APT. NO.  
ZIP

© NVR, Inc. expressly reserves the right to modify or amend these plans at any time without notice. These plans are not to be reproduced, changed or altered in any way without the written consent of NVR, Inc.



SHEET NO. <b>A-9</b>	MODEL <b>CEDAR</b>	SET NO. CDPROO VERSION 01	DRAWING TITLE <b>BUILDING SECTION - FOYER</b>
OPTION DESCRIPTION <b>  </b>		DRAWN BY	DATE:
		OPTION	

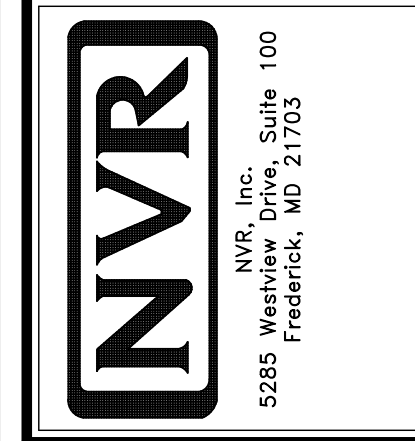


**BUILDING SECTION - GARAGE**  
 SCALE: 1/4" = 1'-0"



---  
 DIV-COMM-LOT-UNIT  
 COMM-LOT  
 STREET ADDRESS  
 CITY  
 STATE  
 ZIP  
 APT. NO.  
 ZIP

© NVR, Inc. expressly reserves the right to modify these plans at any time without notice. These plans are not to be reproduced, changed or altered in any way without the written consent of NVR, Inc.



SHEET NO. <b>A-10</b>	MODEL <b>CEDAR</b>	SET NO. CDPROO VERSION 01	DRAWN BY	DATE:	OPTION
	DRAWING TITLE <b>BUILDING SECTION - GARAGE</b>				
	OPTION DESCRIPTION				
<b>12</b>					

SECOND FLOOR FRAMING LENGTH SCHEDULE				
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
2AA	FRI 60 - 11-14	34'-4 3/4"		J-0053
2AA-2	FRI 60 - 11-14 DBL	34'-4 3/4"	1036	J-0154
2AB	FRI 60 - 11-14	16'-6 1/8"		J-0054
2AC	FRI 60 - 11-14	19'-4 3/4"		
2AE	FRI 60 - 11-14	34'-4 3/4"		
2AF-2	FRI 60 - 11-14 DBL	20'-2 3/8"	1006	J-0055
2AG	FRI 60 - 11-14	34'-4 3/4"		J-0053
2AL	FRI 60 - 11-14	16'-6 1/8"	1037	J-0246

SECOND FLOOR LVL LENGTH SCHEDULE				
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
L201-3	LVL 1.75 - 18	20'-0"	1025	5.A
L202	LVL 1.75 - 11-14	11'-4"	1004	

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

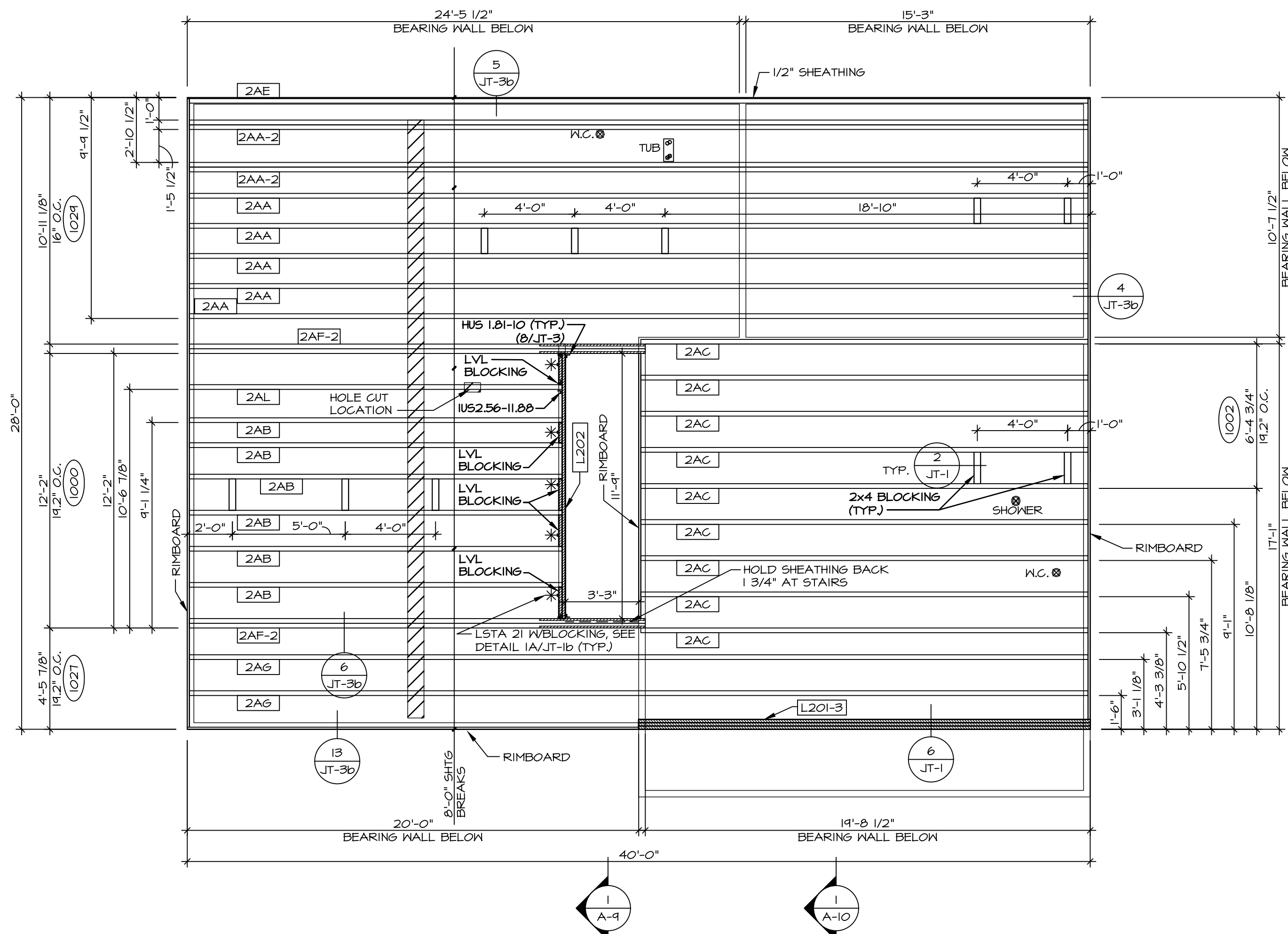
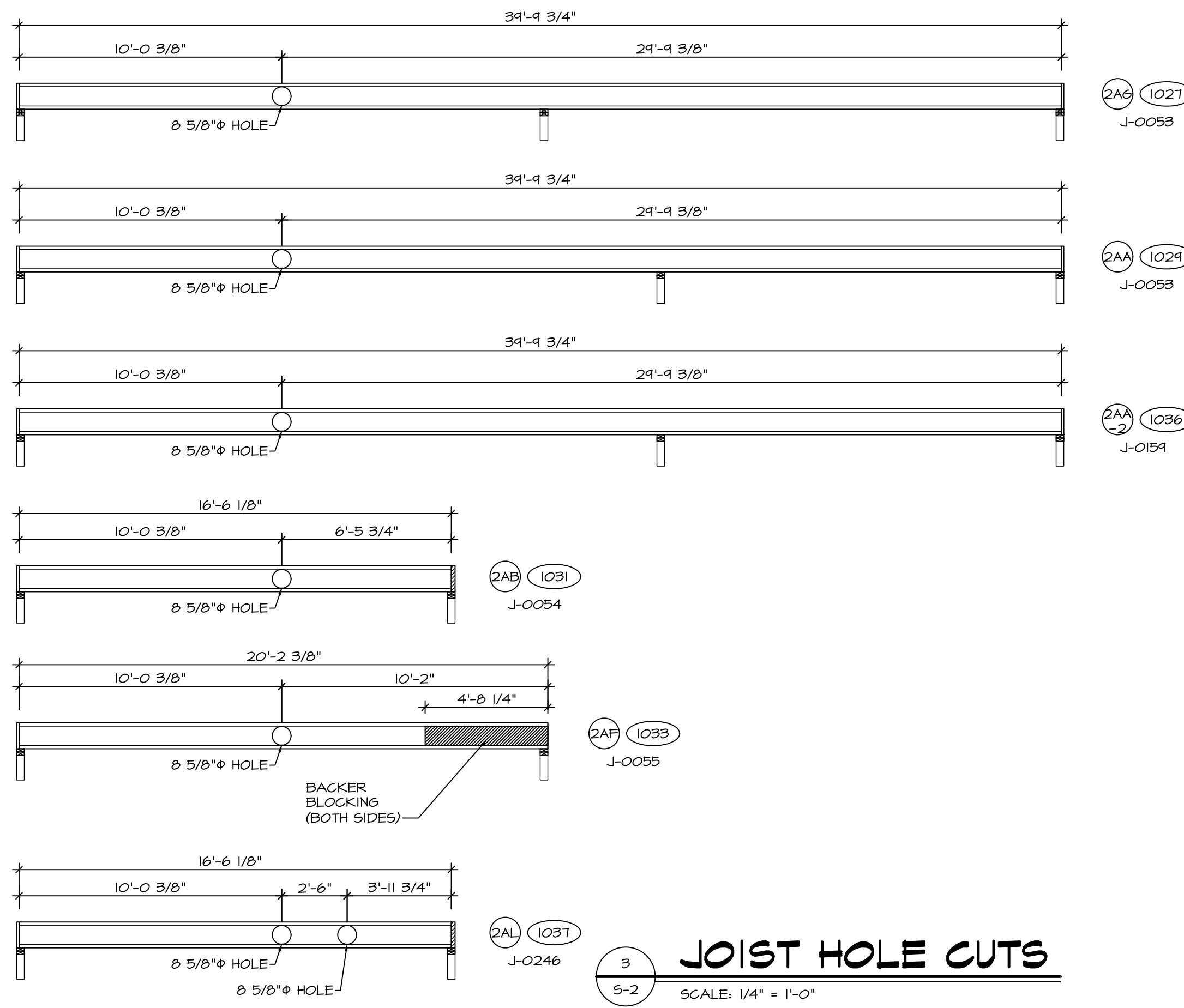
- 1.A - (2) PLY UP TO AND INCLUDING 11 7/8" TALL; FASTEN PLYS W/ (2) ROWS 16D NAILS AT 12" O.C. OR ALT 1 1/2" WIDE LVL FASTEN PLYS W/ (3) ROWS 12D NAILS AT 12" O.C.
- 2.A - (2) PLY 14" TO AND 18" TALL (INCLUSIVE); FASTEN PLYS W/ (3) ROWS 16D NAILS AT 12" O.C. OR ALT 1 1/2" WIDE LVL FASTEN PLYS W/ (4) ROWS 12D NAILS AT 12" O.C.
- 3.A - (2) PLY 20" TALL AND OVER; FASTEN PLYS W/ (4) ROWS 16D NAILS AT 12" O.C. OR ALT 1 1/2" WIDE LVL FASTEN PLYS W/ (5) ROWS 12D NAILS AT 12" O.C.
- 4.A - (3) PLY UP TO AND INCLUDING 11 7/8" TALL; FASTEN PLYS W/ (2) ROWS 16D NAILS AT 12" O.C. FROM EACH SIDE OR ALT 1 1/2" WIDE LVL FASTEN PLYS W/ (3) ROWS 12D NAILS AT 12" O.C. FROM EACH SIDE.
- 5.A - (3) PLY 14" TO AND 18" TALL (INCLUSIVE); FASTEN PLYS W/ (3) ROWS 16D NAILS AT 12" O.C. FROM EACH SIDE OR ALT 1 1/2" WIDE LVL FASTEN PLYS W/ (4) ROWS 12D NAILS AT 12" O.C. FROM EACH SIDE.
- 6.A - (3) PLY 20" TALL AND OVER; FASTEN PLYS W/ (4) ROWS 16D NAILS AT 12" O.C. FROM EACH SIDE OR ALT 1 1/2" WIDE LVL FASTEN PLYS W/ (5) ROWS 12D NAILS AT 12" O.C. FROM EACH SIDE.
- 7.A - (4) PLY (ALL SIZES); FASTEN PLYS W/ (2) ROWS 1/2" DIAMETER A307 BOLTS AT 24" O.C. SEE SHOP DRAWING FOR ADDITIONAL INFORMATION.

**I-JOIST FLOOR SYSTEM**

1. SUBFLOOR IS 3/4" TONGUE AND GROOVE OSB STANDARD.
2. JOIST LENGTHS SHIPPED IS THE NEXT HIGHEST LENGTH TO CUT FROM.
3. ALL RIMBOARD TO BE 1-1/8" THICK UNO.
4. REFER TO STANDARD DETAIL 7/JT-3 FOR HOLE CUTTING GUIDELINES.
5. PROVIDE RIMBOARD SOLID BLOCKING AT EXTERIOR WALLS AND BELOW ALL JACKS AS REQUIRED.
6. REFER TO DETAIL 9/AT-3 FOR HANGER DETAIL.
7. ALL JOISTS TO BE PRI40, PRI60 OR PRI80. REFERENCE SCHEDULE FOR SPECIFIC SERIES PER MEMBER.  
A. PRI40 SERIES ARE SHOWN AS SHADED ON FRAMING PLAN.
8. SEE CONNECTOR / NAIL CHART IN STANDARD DETAILS (FC-4) FOR TYPICAL HANGERS.
10. ALL LVL BLOCKING CUT FROM 14'-0" MATERIAL.
11. ADHESIVE TO BE APPLIED AT THE RATE OF (1) 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'-0" MATERIAL.
13. ADHESIVE TO BE ADDED TO ALL JOIST HANGERS PRIOR TO SETTING JOISTS.
14. J-XXXX SHOP DRAWINGS ARE ASSOCIATED WITH PLANT MODIFIED I-JOISTS OR PLANT BUILT JOIST COMPONENTS.

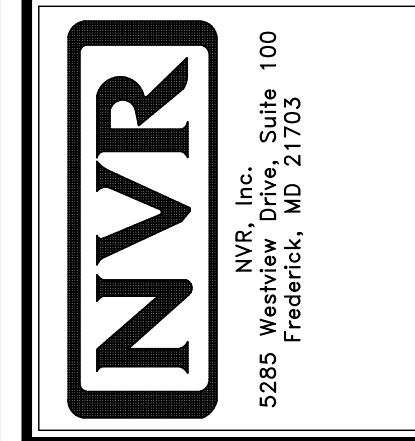
LEGEND	
	BEARING WALL
	INDICATES BEARING FROM POINT-LOAD ABOVE
	JACKS
	BEAM/HEADER
	PAD FOOTING
	STEEL COLUMN
	TRUSS TIE DOWN
	PORTAL FRAME
	JOIST/TRUSS
	LVL
	ENGINEERING PAGE NUMBER

SEE FC DETAILS FOR FRAMING CONNECTORS

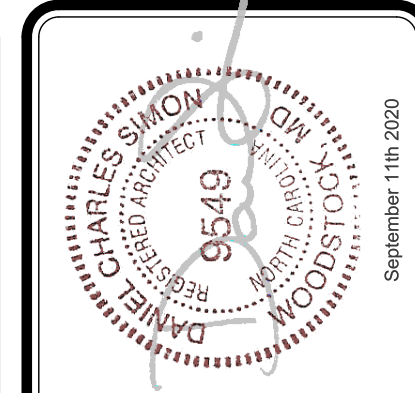


DIV.-COMM-Lot-UNIT  
COMM-Lot  
STREET ADDRESS  
CITY  
STATE  
APT. NO.  
ZIP

© NVR, Inc. expressly reserves the right to modify these plans without notice. These plans are not to be reproduced, changed or altered in any way without the written consent of NVR, Inc.



MODEL <b>CEDAR</b>	SET NO. CDROO
DRAWING TITLE <b>SECOND FLOOR JOIST LAYOUT</b>	VERSION 01
OPTION DESCRIPTION	DRAWN BY
<b>S-2</b>	DATE:
<b>20</b>	OPTION



TRUSS SCHEDULE					
IDENTIFIER	SPECS	TRUSS NUMBER	LENGTH	ROOF PITCH (X/12)	TYPE
AA	SE	16403	28'-0"	6/12	COMMON
AB	SE	16404	28'-0"	6/12	SPECIAL
AC	SE	16400	3'-0"	6/12	MONO
AD	SE	16408	28'-0"	6/12	COMMON
AE	SE	16409	28'-0"	6/12	SPECIAL
AF	SE	16410	28'-0"	6/12	GABLE END
AG	SE	16413	28'-0"	6/12	GABLE END
VO1	VT	43344	4'-0"	6-6/12	VALLEY
VO2	VT	43345	8'-0"	6-6/12	VALLEY
VO3	VT	43346	12'-0"	6-6/12	VALLEY
VO4	VT	43401	16'-0"	6-6/12	VALLEY
VO5	VT	43401	20'-0"	6-6/12	VALLEY
VO6	VT	45402	4'-0"	6-6/12	VALLEY

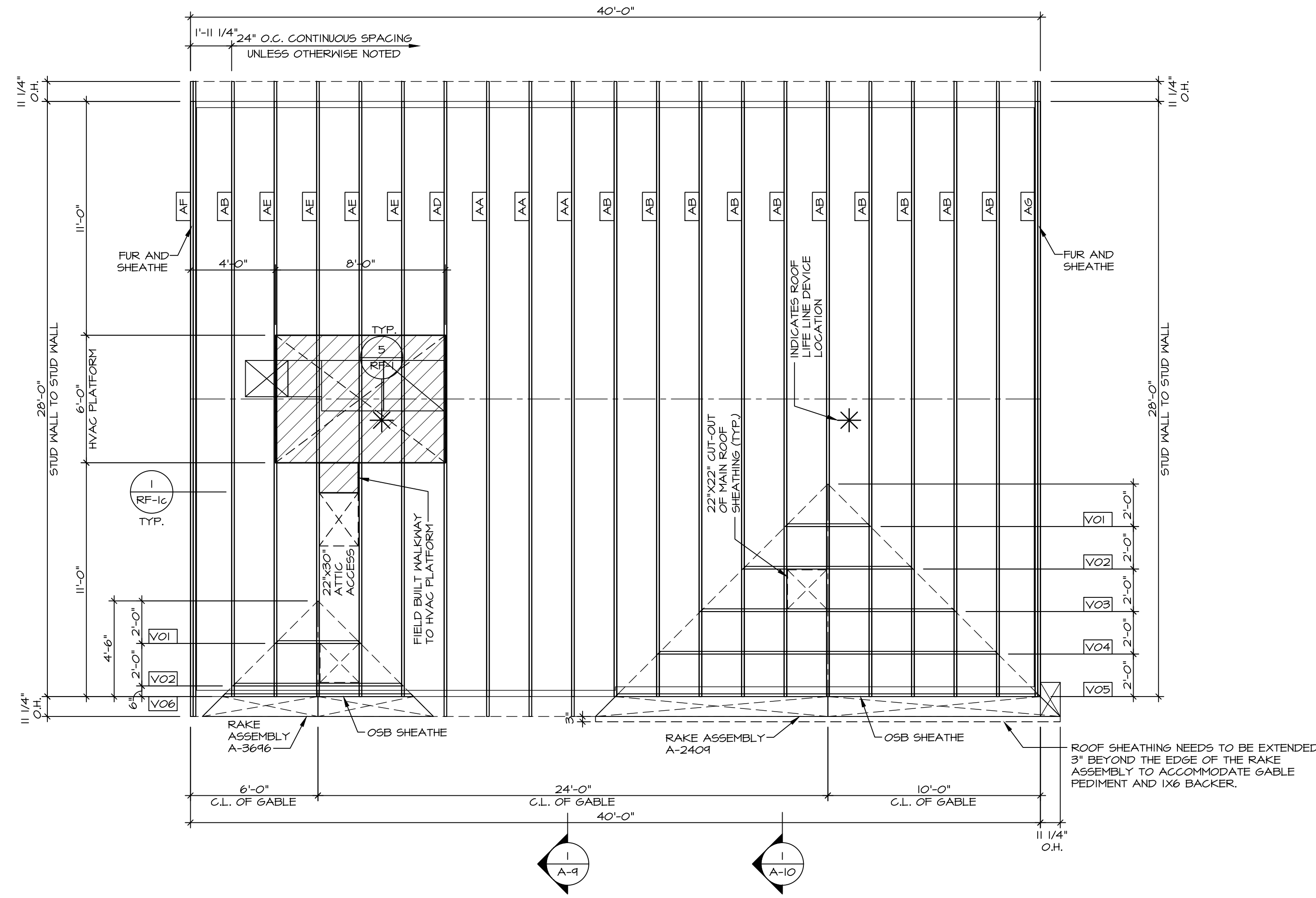
FIELD INSTALLED ROOF FRAMING BEAM/HEADER SCHEDULE				
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
B301	BEAM BUILT 2X8 - 2 PLY RFF	7'-6"	1012	

- ROOF FRAMING NOTES**
- REFER TO THE STANDARD DETAILS FOR THE FOLLOWING:
    - TRUSS TIE-DOWNS (1/RF-1)
    - PIGGYBACK TRUSS ATTACHMENT (2/RF-1)
    - VALLEY GABLE TRUSS BRACING (3/RF-1)
    - GABLE BRACING (1/RF-1c)
    - TRUSS BRACING (2/RF-1c)
    - LIFELINE ATTACHMENT (5/RF-1)
    - FALL PROTECTION ON PLATFORM TRUSSES (1/RF-1)
  - IF TRUSS DOES NOT APPEAR ON THE TRUSS BRACING SHEET, NO ADDITIONAL LATERAL BRACING REQUIRED.

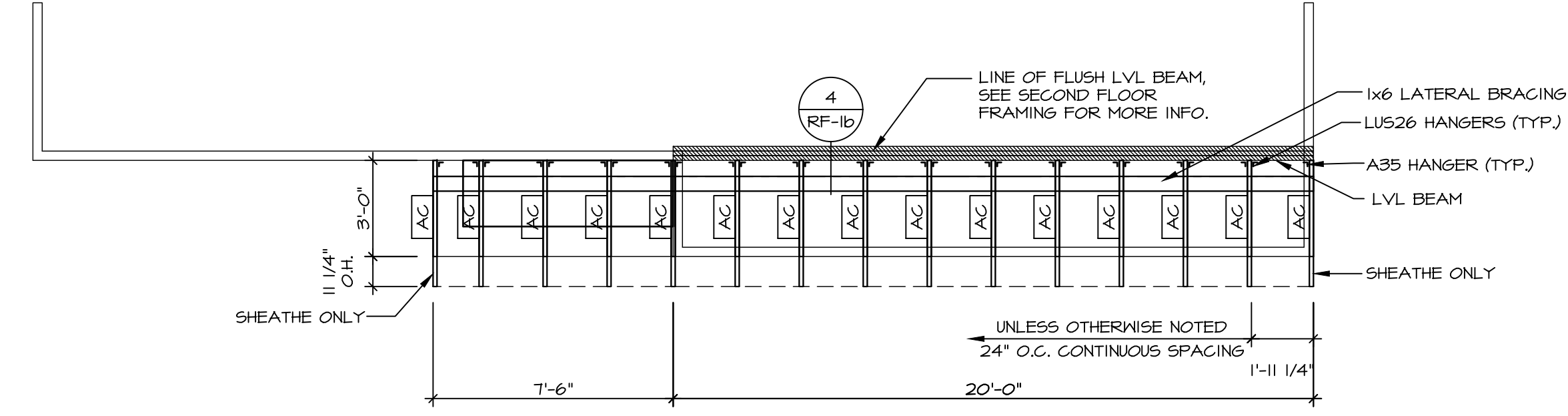
**LEGEND**

- BEARING WALL
- NON BEARING WALL
- INDICATES BEARING FROM POINT-LOAD ABOVE
- JACKS
- BEAM/HEADER
- PAD FOOTING
- STEEL COLUMN
- TRUSS TIE DOWN
- PORTAL FRAME
- JOIST/TRUSS
- LVL
- ENGINEERING PAGE NUMBER

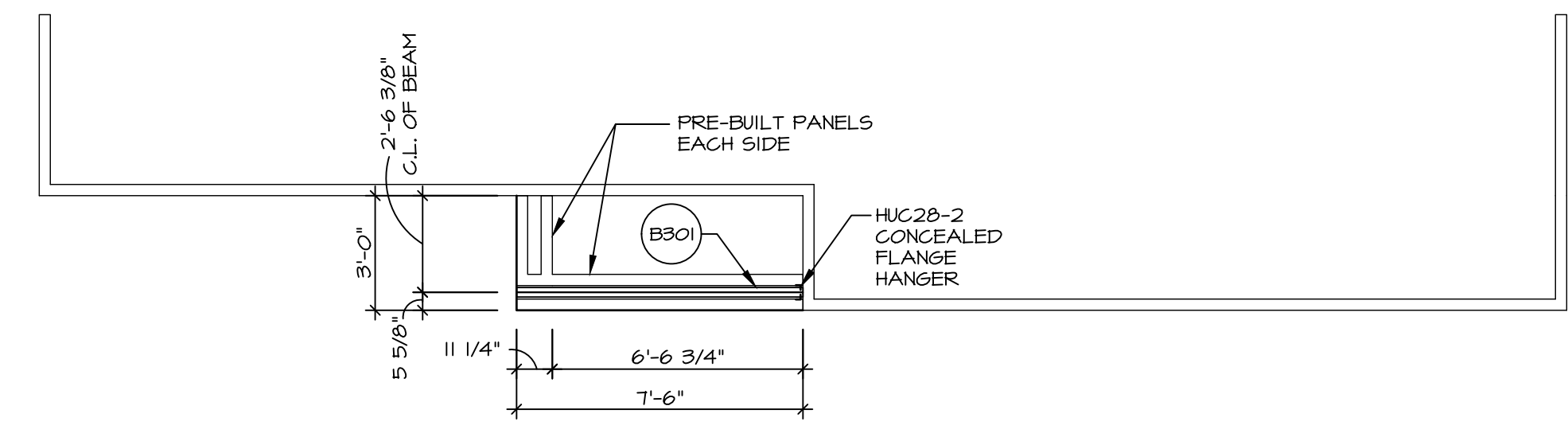
SEE FC DETAILS FOR FRAMING CONNECTORS



**1 ROOF FRAMING**  
SCALE: 1/4" = 1'-0"



**3 PARTIAL ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"



**4 PORCH BEAM PLAN**  
SCALE: 1/4" = 1'-0"

DIV-COMM-LOT-UNIT

COMM-LOT

STREET ADDRESS

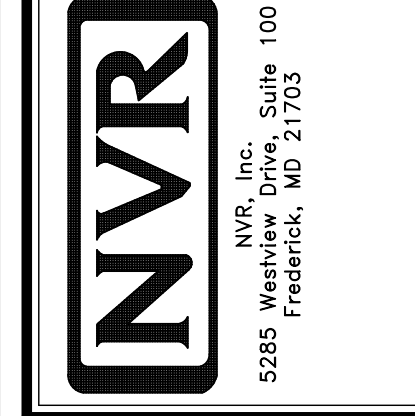
CITY

STATE

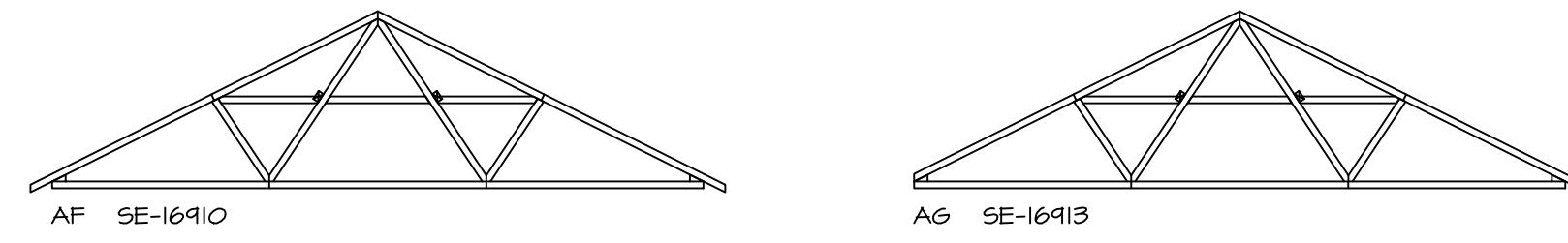
APT. NO.

ZIP

© NVR, Inc. expressly reserves the right to modify these plans without notice. These plans are not to be reproduced, changed, or altered in any way without the written consent of NVR, Inc.



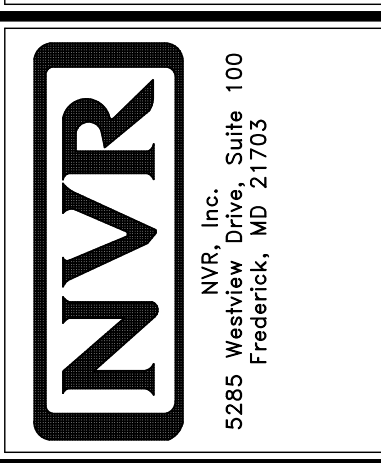
MODEL	SET NO. CDPROO
CEDAR	VERSION 01
DRAWING TITLE	DRAWN BY
ROOF FRAMING	DATE:
OPTION DESCRIPTION	OPTION
SHEET NO. S-3	21



**TRUSS BRACING DETAILS**  
SCALE: 1/4" = 1'-0"

- TRUSS BRACING NOTES**
1. IF TRUSS DOES NOT APPEAR ON THIS TRUSS BRACING SHEET, NO ADDITIONAL LATERAL BRACING IS REQUIRED.
  2. 1X6 SPP#2 LATERAL BRACES SHALL BE NAILED TO MINIMUM (3) TRUSS MEMBERS WITH MINIMUM (2) 10D NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING.
  3. WEB "T" BRACE, DETAIL 5RF-1c, IS REQUIRED WHERE LATERAL BRACING IS NOT CONTINUOUS ACROSS THREE (3) OR MORE TRUSSES AND MAY BE USED IN LIEU OF 1X6 LATERAL BRACING.
  4. DIAGONAL BRACING REQUIRED WHEN LATERAL BRACING IS REQUIRED (7RF-1)
  5. STUDDED GABLE BRACING DETAIL VRF-1c TO BE UTILIZED FOR TRUSSES 6'-4" IN HEIGHT OR GREATER.
  6. PARTIALLY SHEATHED GABLES, SEE 5RF-1c 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.

DIV-COMM-LOT-UNIT  
COMM-LOT  
STREET ADDRESS  
CITY STATE ZIP  
APT. NO.



MODEL <b>CEDAR</b>	SET NO. CDROO	VERSION 01
DRAWING TITLE <b>TRUSS BRACING DETAILS</b>	DRAWN BY	DATE:
OPTION DESCRIPTION <b>22</b>	OPTION	

BRACED WALL LINE SCHEDULE				
WIND SPEED (ULT)	IDENTIFIER	ACTUAL (FT)	REQUIRED (FT)	METHOD
130 MPH	BWL 100.00	14.57'	9.36'	CONTINUOUS (2 SIDES)
130 MPH	BWL 101.00	19.96'	14.78'	WSP (2 SIDES)
130 MPH	BWL 102.00	22.74'	10.73'	WSP (2 SIDES)
130 MPH	BWL 103.00	26.42'	15.24'	WSP (2 SIDES)
130 MPH	BWL 200.00	21.00'	5.18'	WSP (2 SIDES)
130 MPH	BWL 201.00	21.52'	7.06'	WSP (2 SIDES)
130 MPH	BWL 202.00	34.24'	5.18'	WSP (2 SIDES)
130 MPH	BWL 203.00	25.13'	7.06'	WSP (2 SIDES)

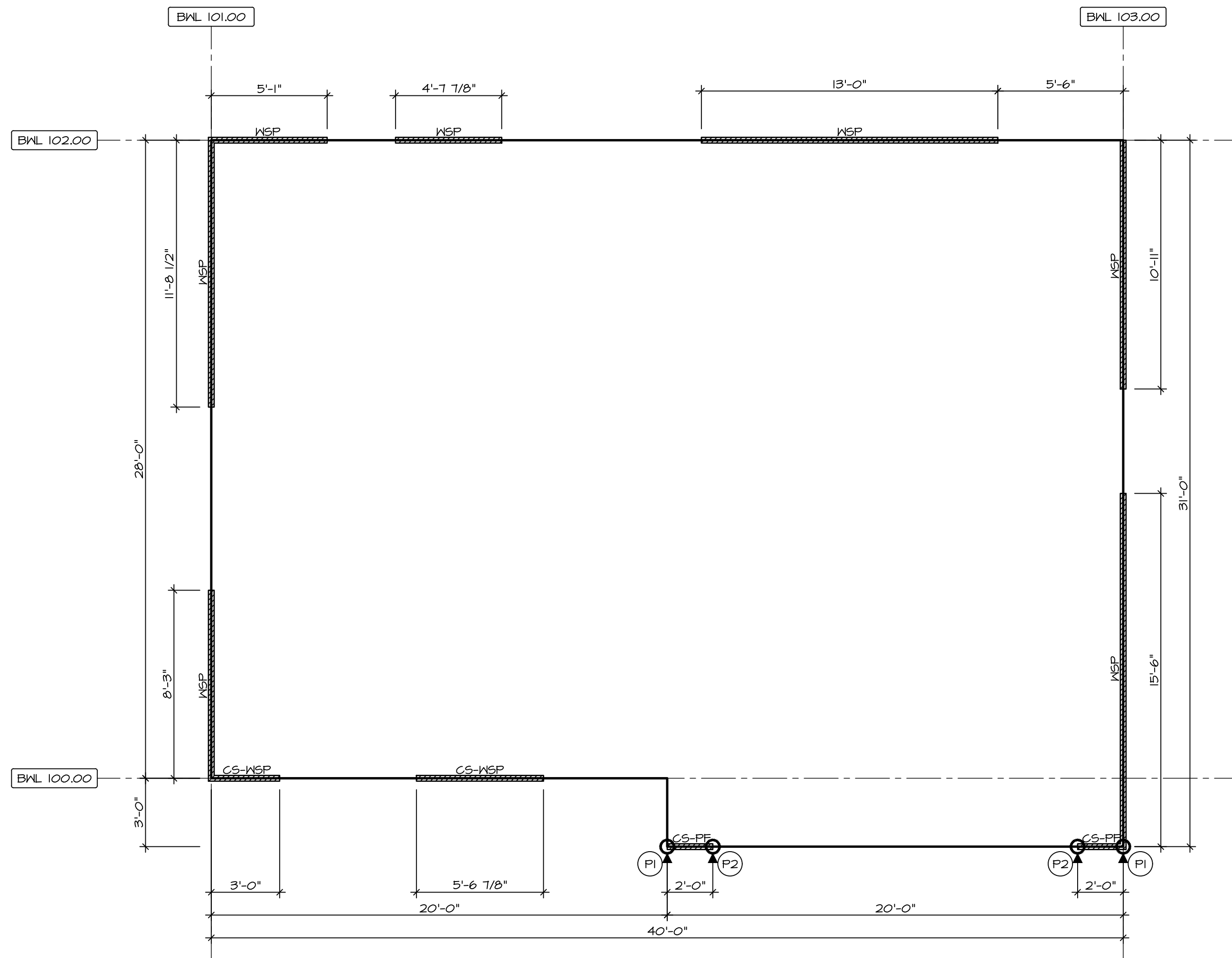
**SHEATHING NOTE**  
 LAMINATED FIBROUS STRUCTURAL (LFS) SHEATHING MATERIAL SHALL BE INSTALLED ON ALL WALLS UNLESS OTHERWISE NOTED ON THE FLOOR PLAN. INSTALL IN ACCORDANCE WITH SBCCI TECHNICAL EVALUATION REPORT. STRUCTURAL PERFORMANCE UNDER LATERAL LOAD CONDITIONS IS DESIGNED. INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS FOR WOOD STRUCTURAL PANELS (WSP/CS-WSP) AS DEFINED IN THE APPROPRIATE TER SECTION.  
 STRUCTURAL SHEATHING MATERIAL  
 - OX THERMO-PLY TER NO. 1004-01  
 - BARRICADE THERMO-BRACE TER NO. 1507-08  
 - NSP DRYLINE TSX TER NO. 1407-06

SHEATHING	FASTENER	SPACING	
		EDGES	FIELD
1/16" WOOD STRUCTURAL PANELS OR EQUIVALENT (W METHOD WSP, CS-WSP, CS-G)	8d COMMON NAILS	6" O.C.	12" O.C.
1/2" GYPSUM WALLBOARD (W METHOD WSP, GB-1, GB-2)	1-3/4" 16-GAUGE CORROSION RESISTANT STAPLES	3" O.C.	12" O.C.
LAMINATED FIBROUS STRUCTURAL SHEATHING	1-1/4" LONG, 1/4" HEAD, 0.98" DIA. ANNULAR-RINGED NAILS	7" O.C.	7" O.C.
1/2" GYPSUM WALLBOARD BLOCKED AT THE EDGES (W METHOD GB-BW-1, GB-BW-2)	CORROSION RESISTANT TYPE W 1-1/4" DRYWALL SCREWS	7" O.C.	7" O.C.
	10d X 1 1/4" GALVANIZED ROOFING NAILS	3" O.C.	3" O.C.
	1-1/4" 16-GAUGE CORROSION RESISTANT STAPLES	3" O.C.	3" O.C.
	BLOCKING REQUIRED AT ALL GYPSUM EDGES. USED CORROSION RESISTANT TYPE W 1-1/4" DRYWALL SCREWS	4" O.C.	12" O.C.

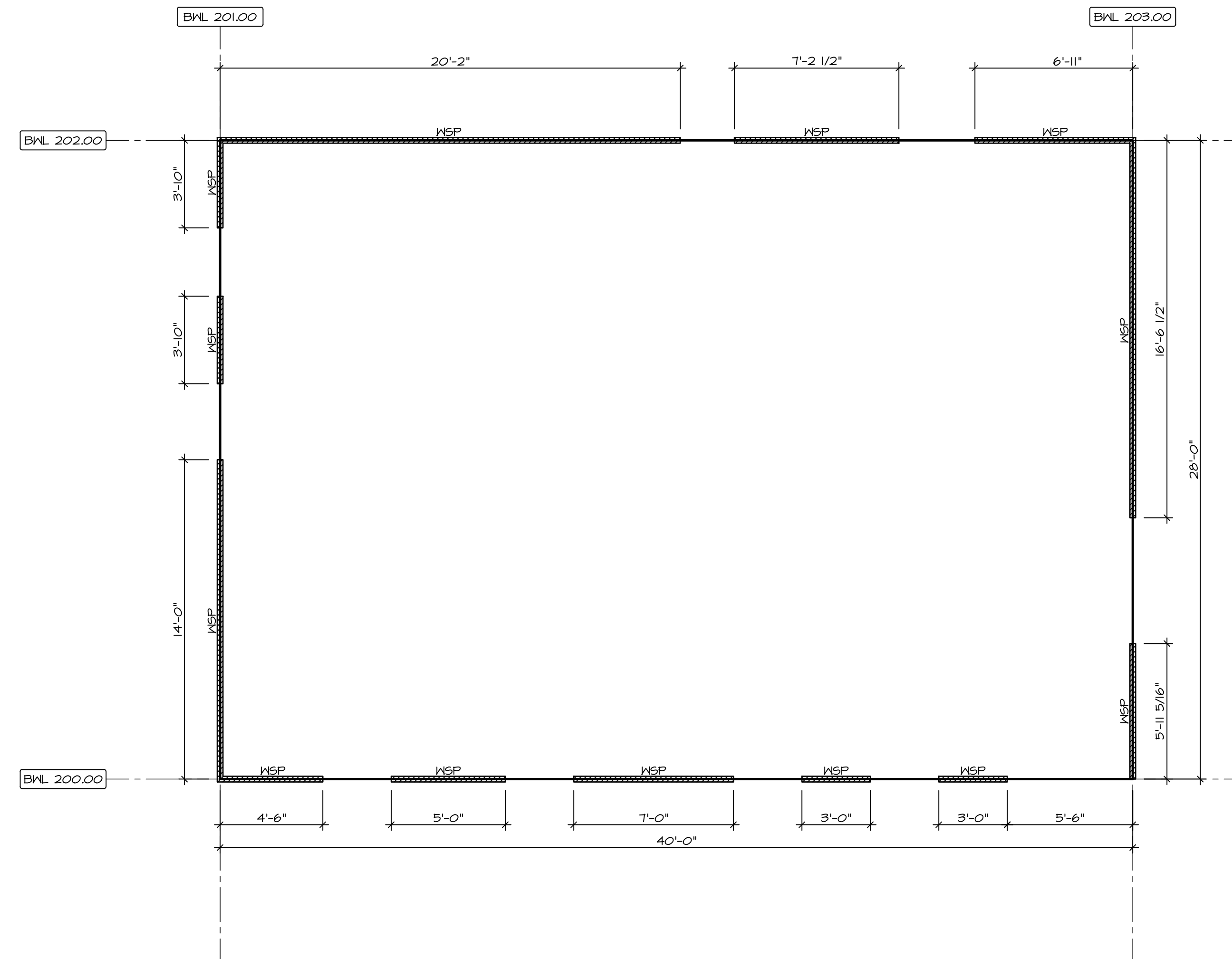
**NOTES:**  
 1. MINIMUM 1/16" CROWN WIDTH FOR STAPLES IN WOOD STRUCTURAL PANEL.  
 2. SPECIFIED GYPSUM FASTENINGS REQUIRED ONLY WHERE METHOD GB IS IDENTIFIED. SEE PHASE SPECS FOR TYPICAL GYPSUM FASTENER SPACING.  
 3. USE OF STAPLES IN WOOD STRUCTURAL PANEL AS FASTENING METHOD ON WALLS PER ENGINEERED ALTERNATIVE.

LEGEND	
BWL XXX.XX	BRACED WALL LINE I.D.
---	BRACED WALL LINE
---	HOUSE WALL
	BRACED WALL PANEL
WSP	WOOD STRUCTURAL PANEL
GB	GYPSUM BOARD (1 SIDED OR (2) SIDED)
GB-BW	GYPSUM BOARD BLOCKED WALL CONSTRUCTION (1 SIDED OR (2) SIDED (SEE STANDARD DETAIL 6/NB-2)
LIB	LET-IN BRACINGS (SEE STANDARD DETAIL F / NB-2)
CS-WSP	CONTINUOUS SHEATHING - WOOD STRUCTURAL PANEL
CS-PF	CONTINUOUS SHEATHING - PORTAL FRAME, SEE FLOOR PLANS FOR PORTAL FRAME HEADER INFORMATION (SEE STANDARD DETAIL A, C / NB-2)
CS-G	CONTINUOUS SHEATHING - WOOD STRUCTURAL PANEL ADJACENT TO GARAGE OPENINGS
○	HOLD-DOWN
○	1. SEE SHEET NB-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.



**FIRST FLOOR  
 BRACED WALL DETAIL**  
 SCALE: 1/4" = 1'-0"

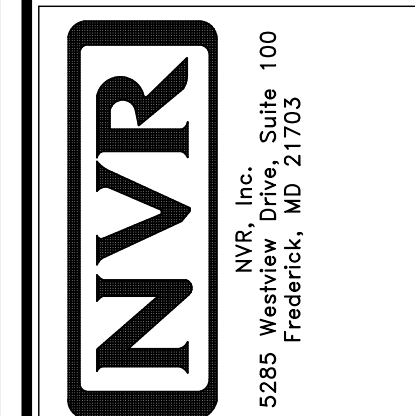


**SECOND FLOOR  
 BRACED WALL DETAIL**  
 SCALE: 1/4" = 1'-0"

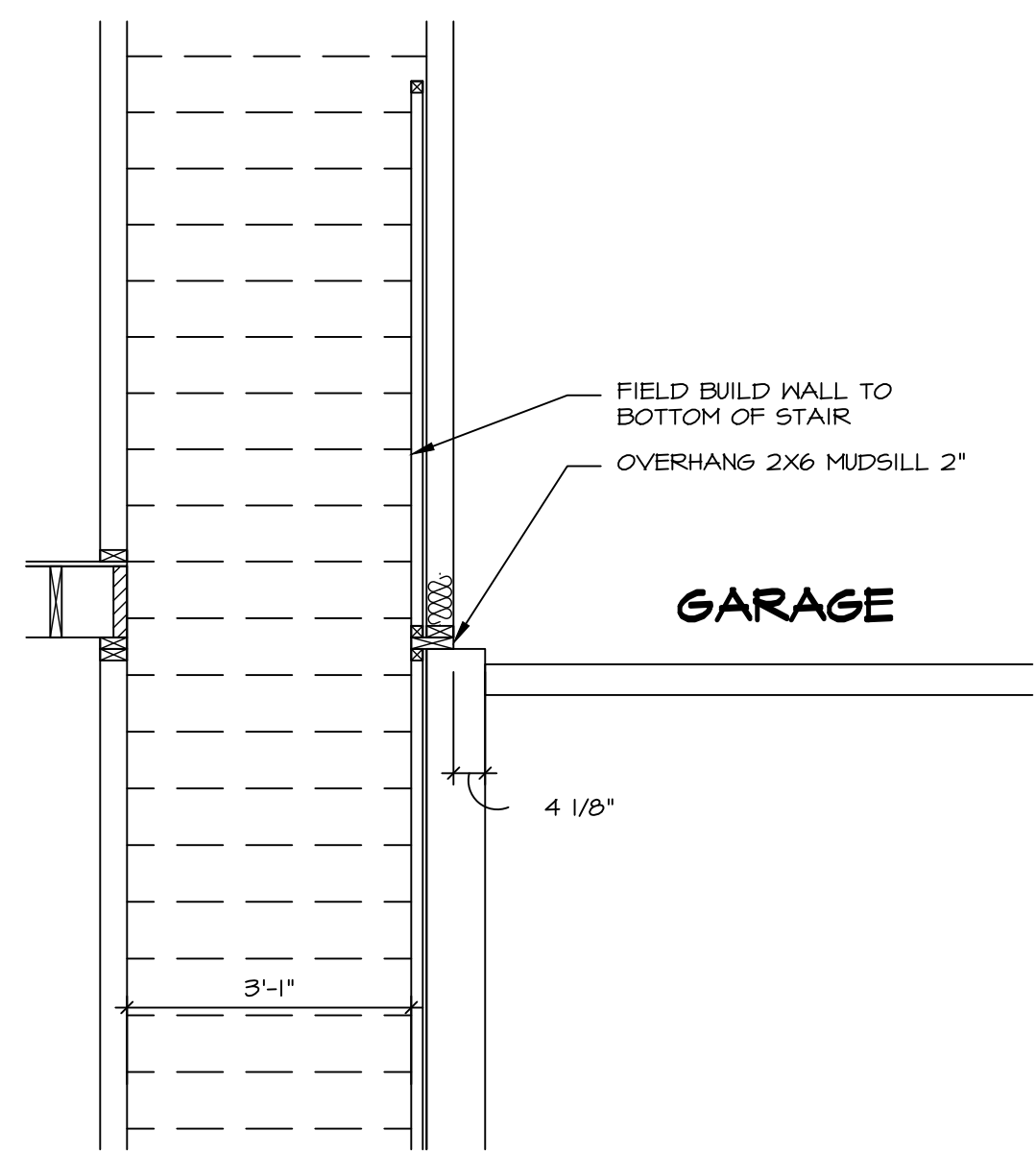


DIV-COMM-LOT-UNIT  
 COMM-LOT  
 STREET ADDRESS  
 CITY  
 STATE  
 ZIP  
 APT. NO.

© NVR, Inc. expressly reserves the right to modify these plans without notice. These plans are not to be reproduced, changed or altered in any way without the written consent of NVR, Inc.



MODEL: CEDAR  
 SHEET NO. S-5  
 SET NO. CDROO  
 VERSION 01  
 DRAWING TITLE: BRACED WALL PANEL DETAIL  
 DRAWN BY:  
 DATE:  
 OPTION:  
 23



**A**  
AD-1 **STAIR WALL DETAIL**  
SCALE: 1/2" = 1'-0"

INTERIOR TRIM - IT				
SPECIFICATION	MOULDING	MOULDING PROFILE	LOCATION	OPTIONS
NVR SPECIFICATIONS (SZB)	STANDARD CASING	MM-376 (2 1/4")	THROUGHOUT	STF
	STANDARD BASE	MM-623 (3 1/4")	THROUGHOUT	STF
	OGEE	MM-167	STAIRS, CAPPED WALLS	STF



REV. NO.	DATE	REMARKS

© NVR, Inc. expressly reserves the right to modify or amend these plans without notice. These plans are not to be reproduced, changed or altered in any way without the written consent of NVR, Inc.

**NVR**  
NVR, Inc. Suite 100  
5285 Walkers Lane  
Frederick, MD 21703

SET NO. CDROO  
VERSION 01  
DRAWN BY LP  
DATE: 6/26/19  
OPTION

MODEL  
**CEDAR**  
DRAWING TITLE  
STANDARD DETAILS - HOUSE SPECIFIC  
OPTION DESCRIPTION

SHEET NO.  
**AD-1**  
100

Y:\As-Sold\2-Jobs\ASD\2020 ZinHoff-Complete\PLN\DETACHED\CEDAR\_CDROO\_01\ELL\_P\_06\_0074\100\_AD-1 House Specific.dwg 09/10/20 - 9:49 am