

# CEDAR

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



NVR, Inc.  
5285 Westview Drive, Suite 1100  
Frederick, MD 21703

	SLAB FOUNDATION										STANDARD DETAILS	
	STD. DWGS.											
COVER SHEET	CS-1											AD-1
ROOF VOLUME AND VENT CALC'S	CA-1											DR-1
SPEC SHEET	SS-1											DR-1b
ELEVATIONS	4											
FOUNDATIONS	5											ET-1b
FOUNDATION HOLD DOWNS	6											ET-1c
PLUMBING	7											ET-1d
FIRST FLOOR PLAN	9											
SECOND FLOOR PLAN	10											
BUILDING SECTIONS	11/12											
SECOND FLOOR FRAMING	19											F-1
ROOF FRAMING	20											F-1b
TRUSS BRACING	21											
WALL BRACING	22											
												FA-1b
												FG-1
												FC-4
												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)	183 SF
	183 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)	183 SF
2ND FLOOR (BASE SF)	1120 SF
	1403 SF

SET - VERSION  
CDR00 - 01

CS-1





### 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 (any)	(any)	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/200	A/300 % vent of ridge	A/300 min-cfm	OK	Notes
Main House Roof	11180	1079.25	539.60	45	506.90	12	272.25	0.00		810.00	NO	YES	81.3%	OK		
Garage Roof	11880	79.25	39.60	27.5	272.25					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/200	A/300 % vent of ridge	A/300 min-cfm	OK	Notes
Main House Roof	11180	1079.25	539.60	45	506.90	12	272.25	0.00		810.00	NO	YES	81.3%	OK		
Garage Roof	11880	79.25	39.60	27.5	272.25					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)

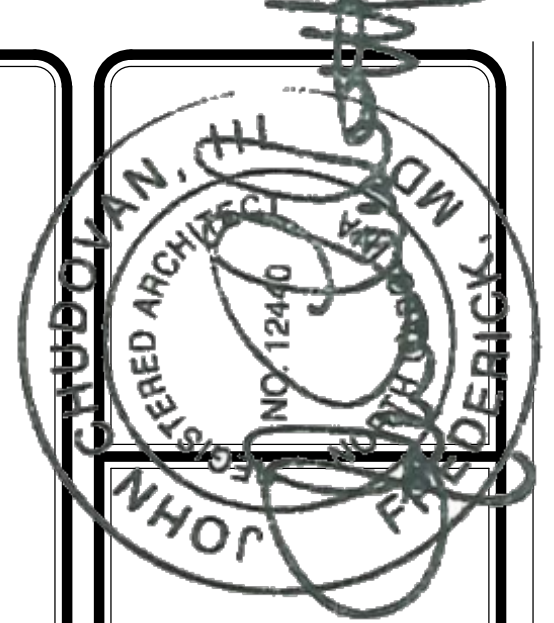
ELEVATION "X"			
Location / Area of house	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
Main section of the house			0
Garage bump out from main house			0
Porch on front of house			0
Total House Volume			0

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



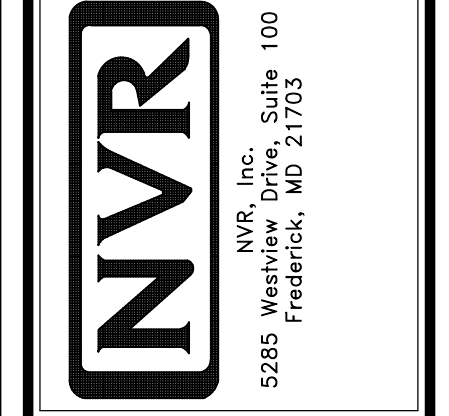
DIV-COMM-LOT-UNIT -----

COMM-LOT -----

STREET ADDRESS -----

CITY ----- STATE ----- ZIP -----

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SET NO. CDR00  
VERSION 01

DRAWN BY

DATE

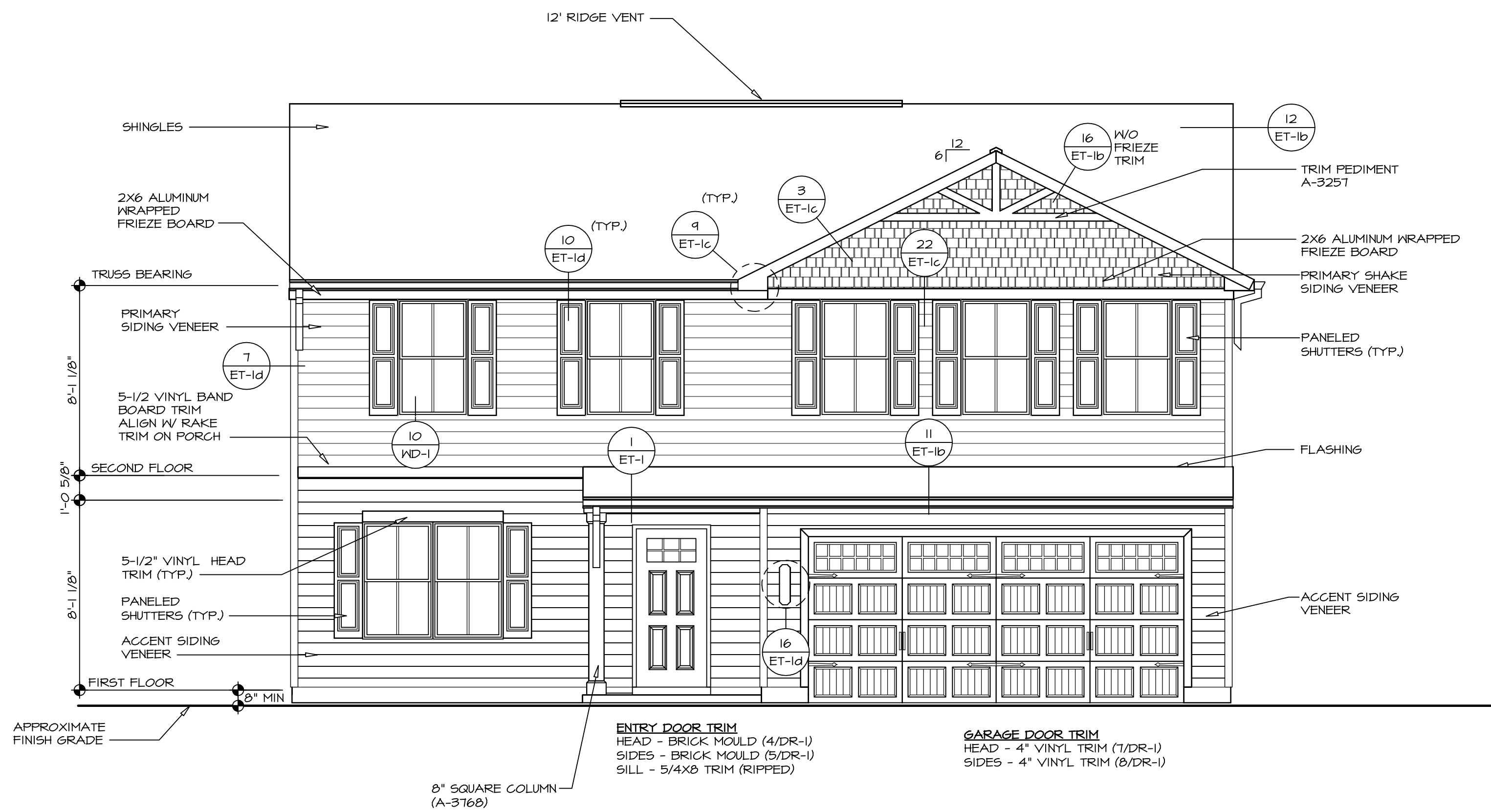
OPTION

SHEET NO. CA-1

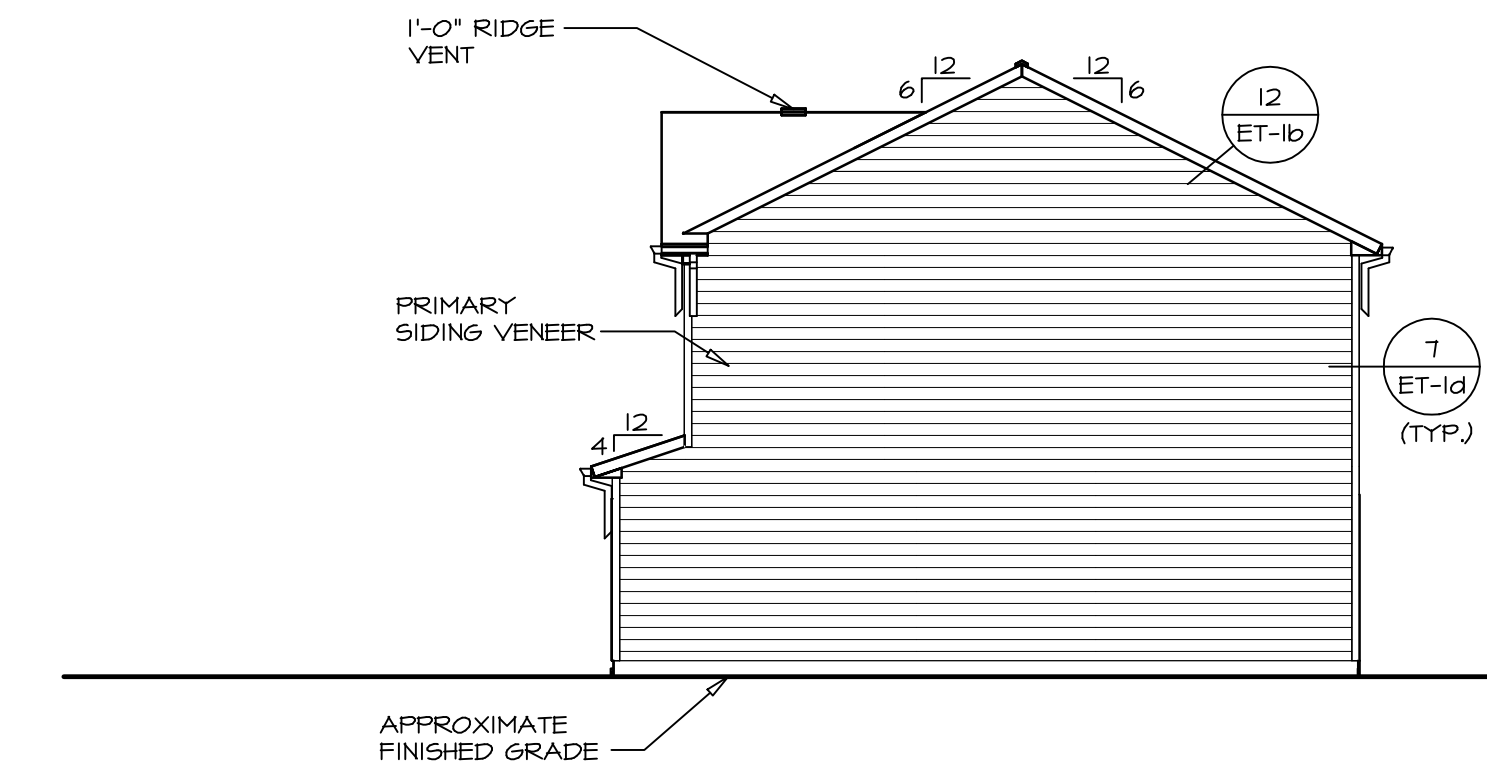
MODEL CEDAR

DRAWING TITLE

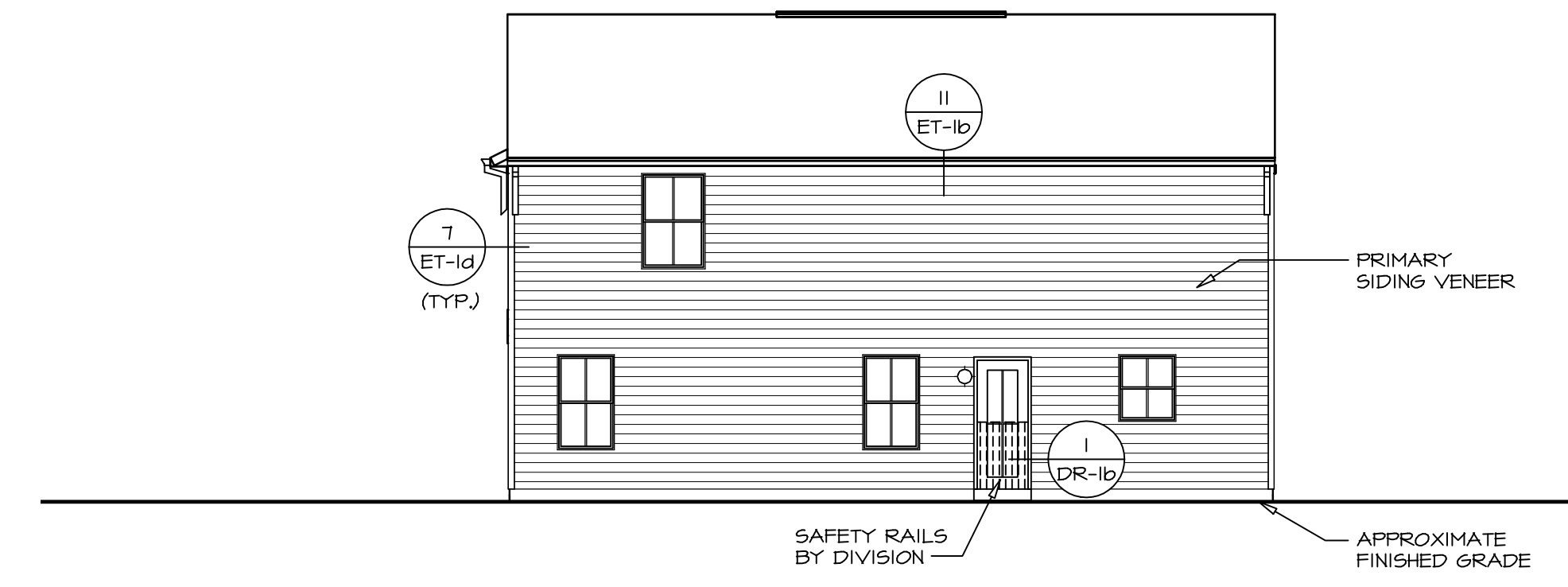
OPTION DESCRIPTION



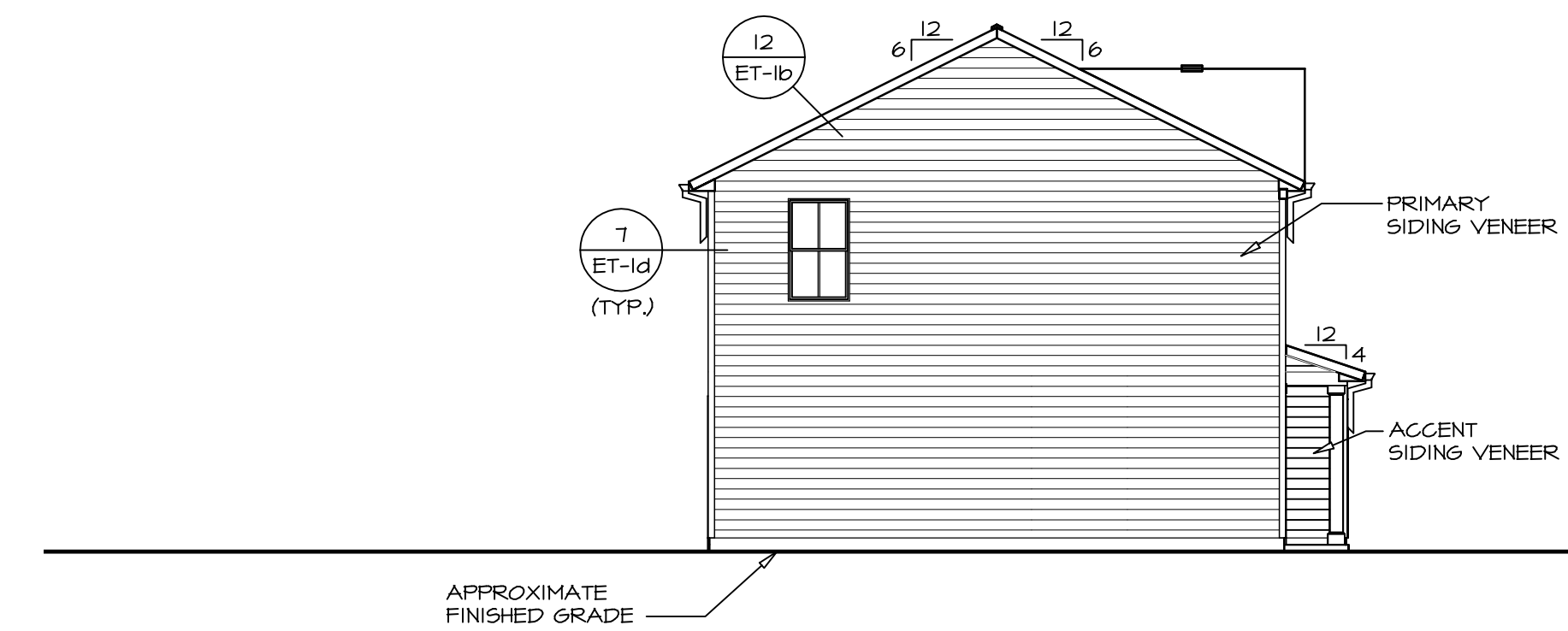
1 FRONT ELEVATION "K"  
SCALE: 1/4" = 1'-0"



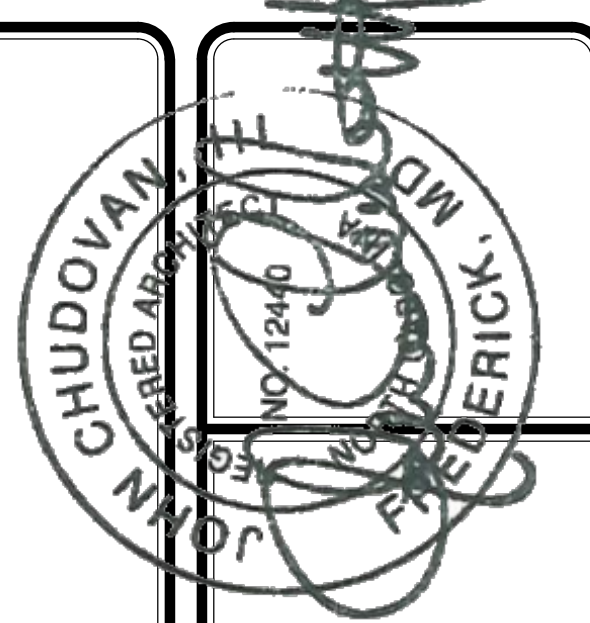
2 RIGHT ELEVATION  
SCALE: 1/8" = 1'-0"



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

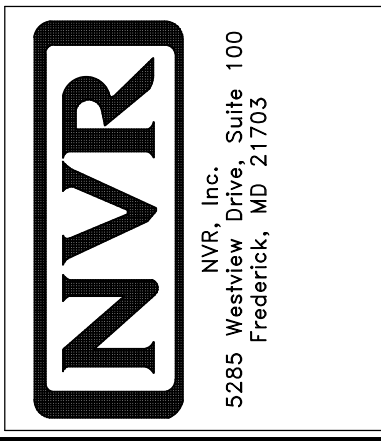


4 LEFT ELEVATION  
SCALE: 1/8" = 1'-0"



DIV.-COMM.-LOT-UNIT	---
COMM.-LOT	---
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CITY	---
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MODEL	CEDAR
SHEET NO.	A-1
OPTION DESCRIPTION	SLAB FOUNDATION
SET NO.	CDROO
VERSION	01
DRAWN BY	---
DATE:	---
OPTION	FSA

PAD FOOTING SCHEDULE					
IDENTIFIER	LENGTH	WIDTH	HEIGHT	ENS. NUM.	REMARKS
FO01	11'-1 1/2"	1'-4"	0'-8"	S0001	
FO02	8'-1"	1'-4"	0'-8"	S0001	
FO04	2'-0"	2'-0"	1'-0"	1016	

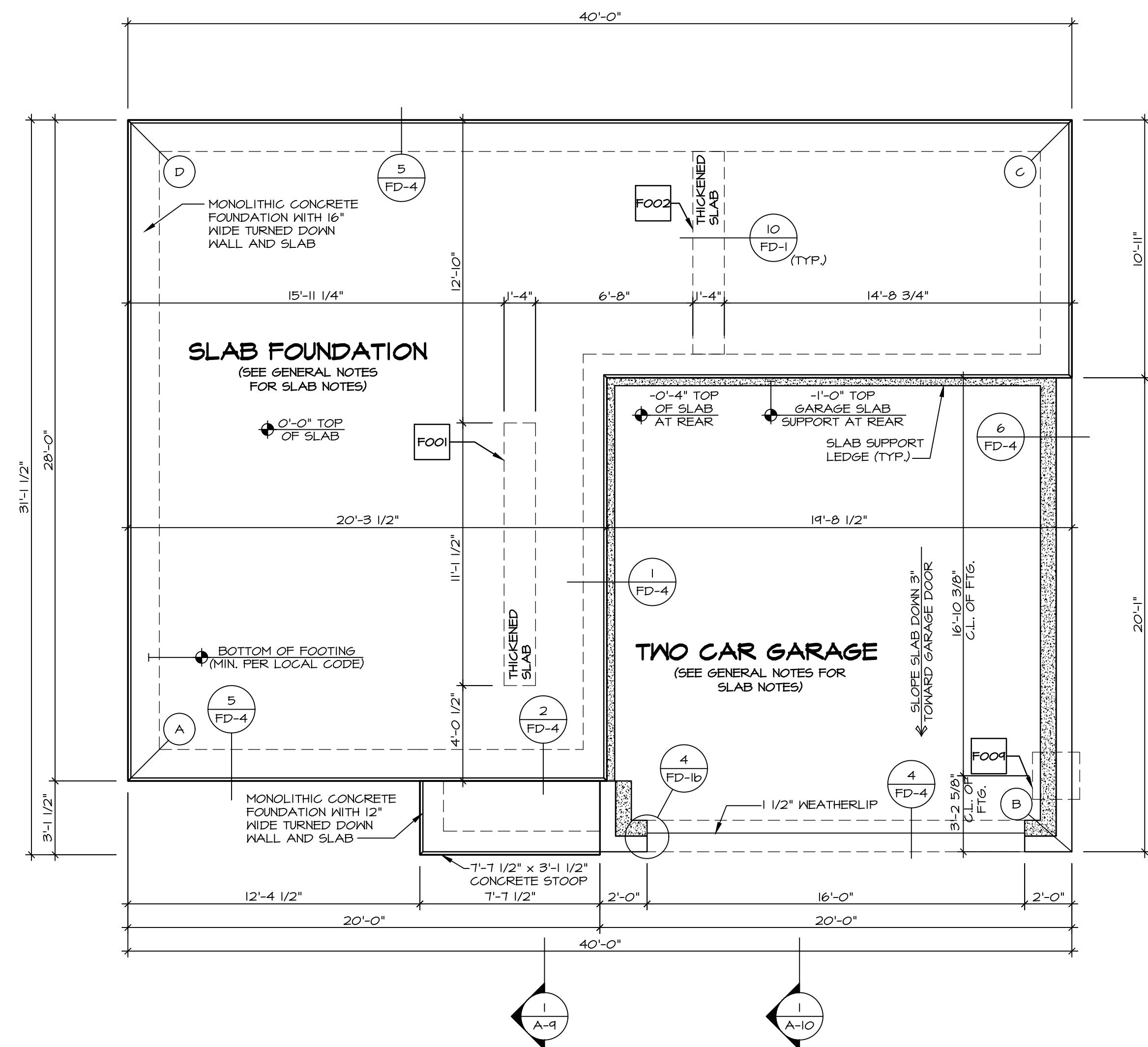
FOUNDATION DIAGONALS			
A		B	
A	0"	A	40'-1 11/32"
B	40'-1 11/32"	B	0"
C	48'-4 24/32"	C	31'-0"
D	28'-0"	D	50'-1 4/32"

**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 68-1 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

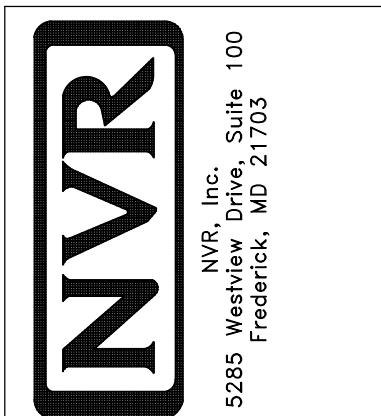


**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"



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

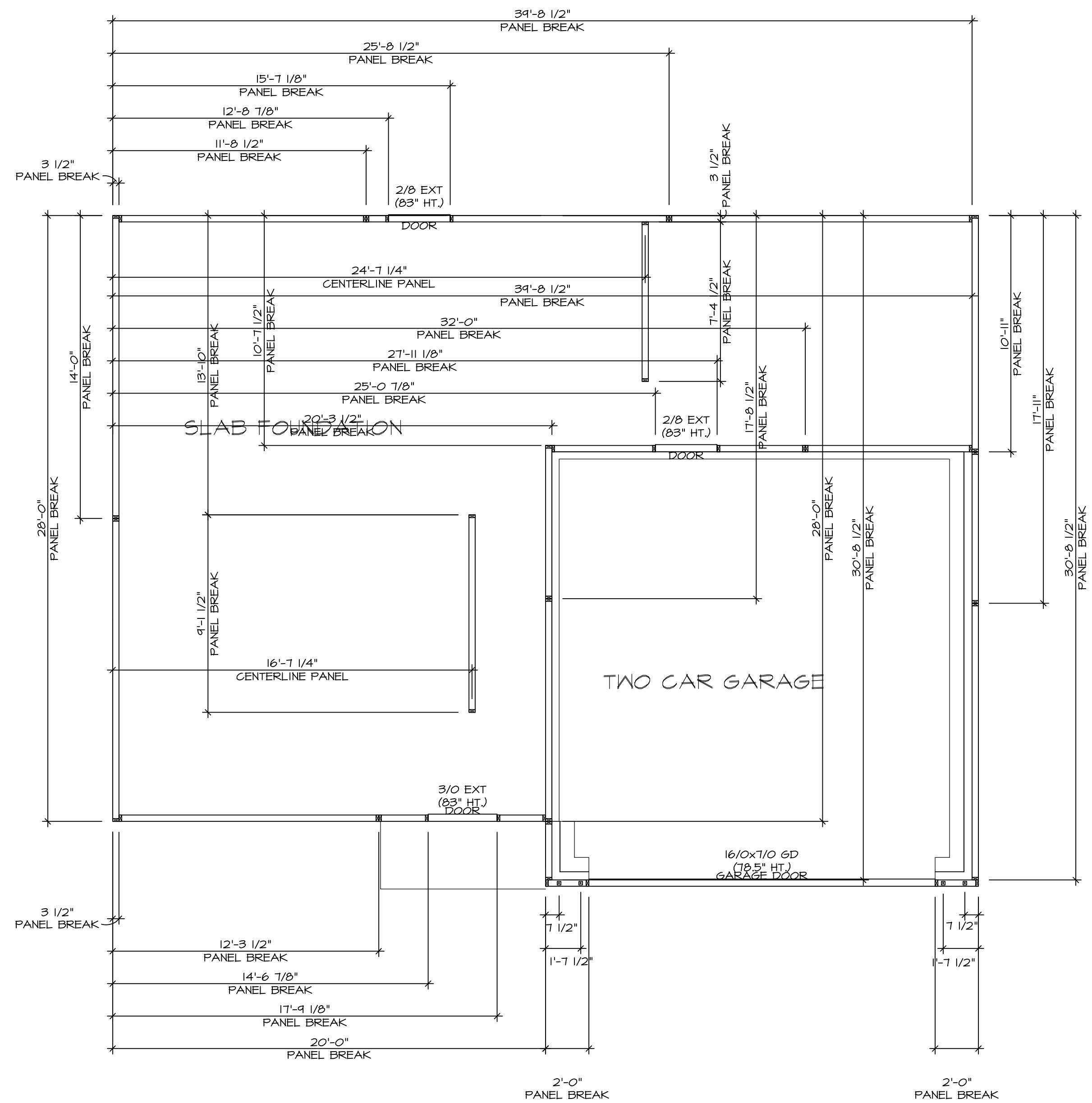
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SET NO. CDPROO  
VERSION 01  
DRAWN BY  
DATE:  
OPTION  
FSA

MODEL CEDAR  
DRAWING TITLE FOUNDATION PLAN  
OPTION DESCRIPTION SLAB FOUNDATION

SHEET NO. A-3  
5



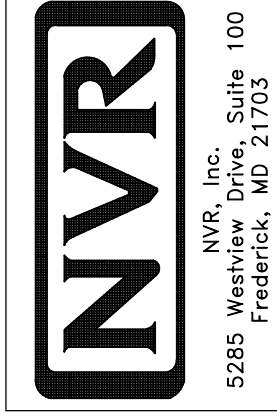
**FOUNDATION HOLD DOWN DETAILS**  
 SCALE: 1/4" = 1'-0"

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 (5THD14) b. ON FLOOR SYSTEM USE (5THD14R-U) 2. ALL OTHER HOLD DOWN SEE DETAIL (11B-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 (11B-2) FOR MORE INFORMATION. 3. BOLT LOCATION ON PLANS SHOWN BY SOLID DIMENSION TO CENTER OF BOLT



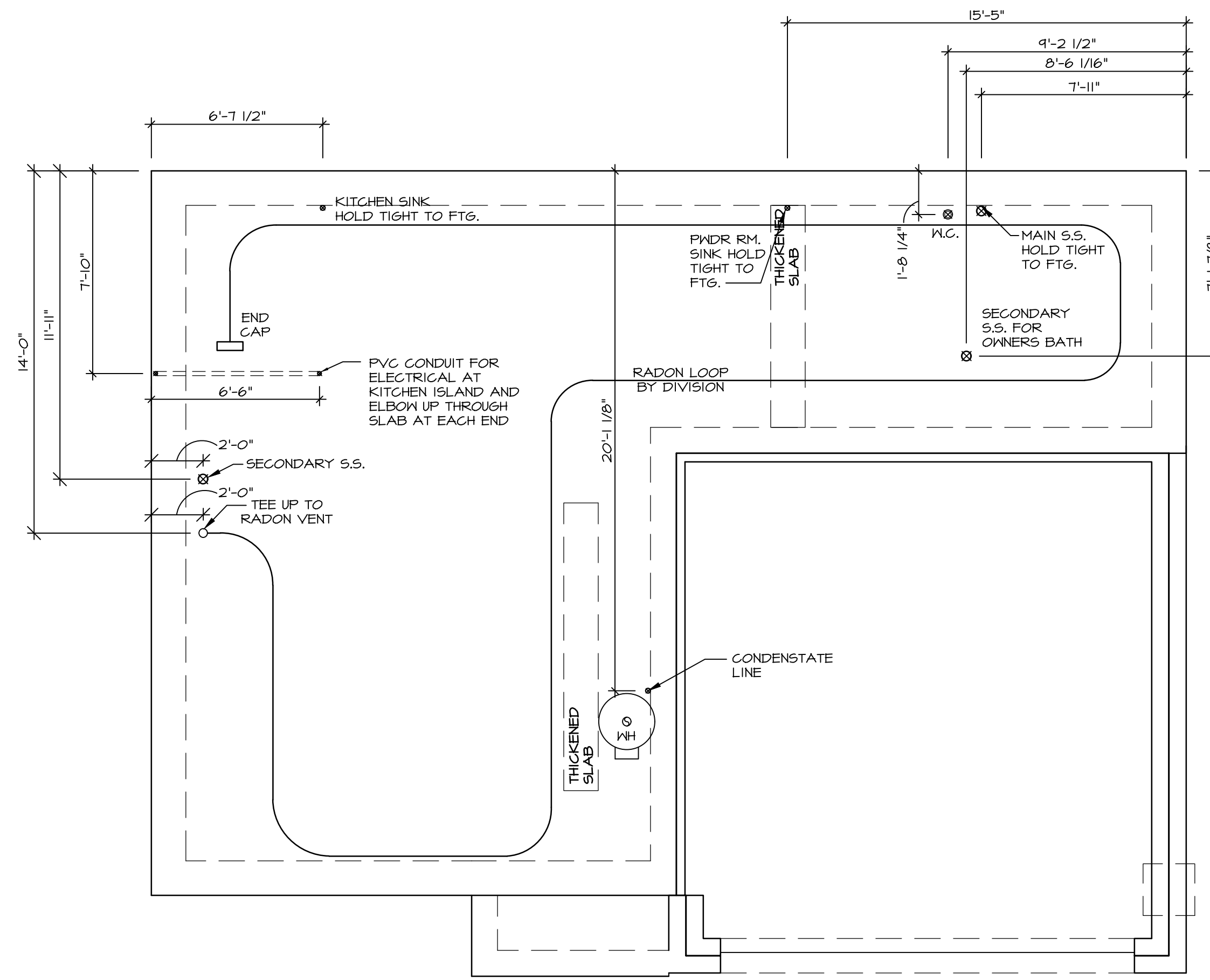
DIV-COMM-LOT-UNIT	
COMM-LOT	---
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CITY	---
STATE	---
APT. NO.	---
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MODEL	SET NO. CDPROC
CEDAR	VERSION 01
DRAWING TITLE	DRAWN BY
FOUNDATION HOLD DOWN DETAILS	DATE
OPTION DESCRIPTION	OPTION
SHEET NO.	6

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



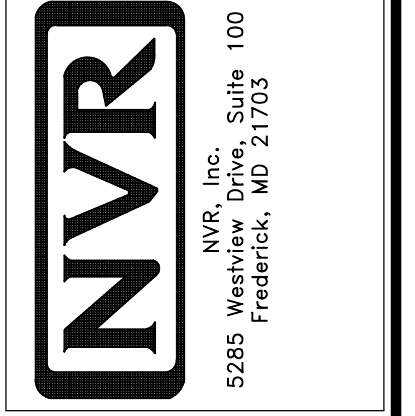
1
**PLUMBING PLAN**  
 SCALE: 1/4" = 1'-0"

**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.



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

FIRST FLOOR JACK SCHEDULE			
IDENTIFIER	DESCRIPTION	ENG. NUM.	REMARKS
J101	JACK - (3) 2X4 SPF STUD GRADE	1014	
J102	JACK - (2) 2X4 SPF STUD GRADE	1019	
J103	JACK - (2) 2X4 SPF STUD GRADE	1014	
J104	JACK - (2) 2X4 SPF STUD GRADE	1014	
J105	JACK - (2) 2X4 SPF STUD GRADE	1012	
J106	JACK - (4) 2X4 SP#1	1025	
J107	JACK - (4) 2X4 SP#1	1025	
J108	JACK - (2) 2X4 SPF STUD GRADE	1008	
J109	JACK - (2) 2X4 SPF STUD GRADE	1008	
J110	JACK - (2) 2X4 SPF STUD GRADE	1010	
J111	JACK - (2) 2X4 SPF STUD GRADE	1010	
J112	JACK - (4) 2X4 SPF STUD GRADE	1006	
J113	JACK - (4) 2X4 SPF STUD GRADE	1006	
J114	JACK - (4) 2X4 SPF STUD GRADE	1006	
J115	JACK - (4) 2X4 SPF 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	

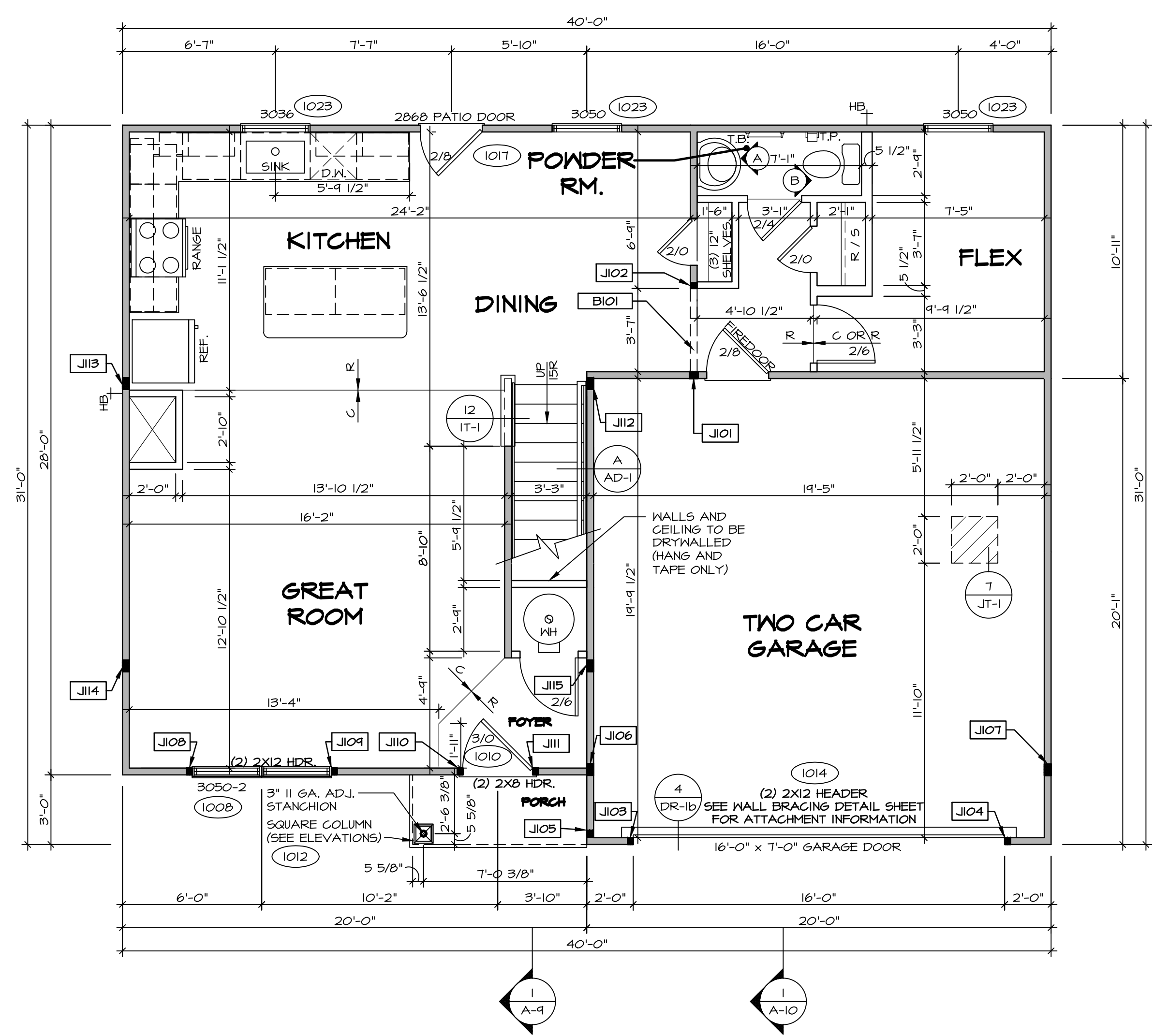
**LEGEND**

- 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

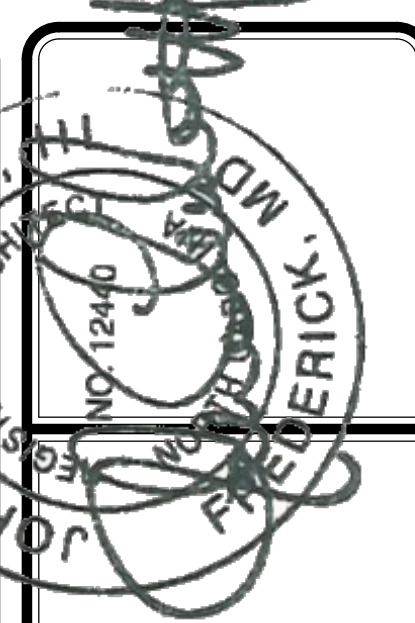
SEE FC DETAILS FOR FRAMING CONNECTORS

- 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



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



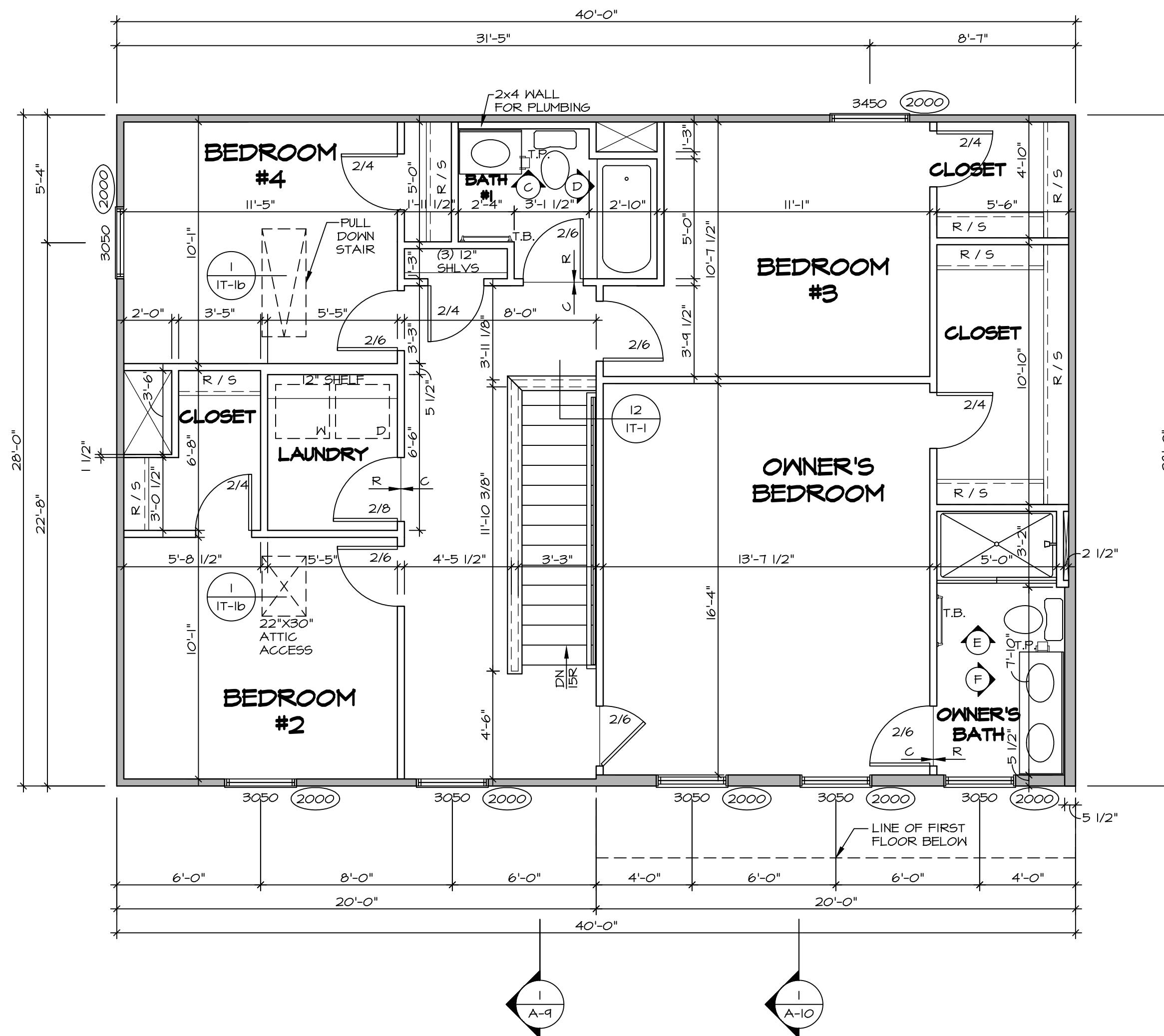
DIV.-COMM-LOT-UNIT  
COMM-LOT  
STREET ADDRESS  
CITY  
STATE  
APT. NO.  
ZIP

I, the undersigned, do hereby certify that I am a duly Licensed Professional Engineer in the State of Maryland, and that I am the author of the design and drawings herein. My license number is 12440. I am not providing any services to the client without the supervision of a duly Licensed Professional Engineer in the State of Maryland, and that I am not providing any services to the client without the supervision of a duly Licensed Professional Engineer in the State of Maryland, and that I am not providing any services to the client without the supervision of a duly Licensed Professional Engineer in the State of Maryland.

**NVR**  
NVR, Inc. Suite 100  
5285 Washington Blvd  
Frederick, MD 21703

MODEL <b>CEDAR</b>	SET NO. CDROO
DRAWING TITLE <b>FIRST FLOOR PLAN</b>	VERSION 01
OPTION DESCRIPTION	DRAWN BY
	DATE:
	OPTION
<b>A-7</b>	
<b>9</b>	





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

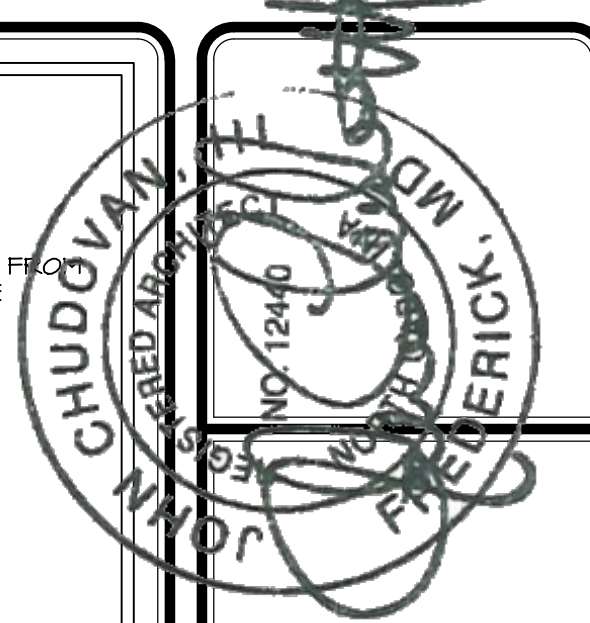
**LEGEND**

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

SEE FC DETAILS FOR FRAMING CONNECTORS

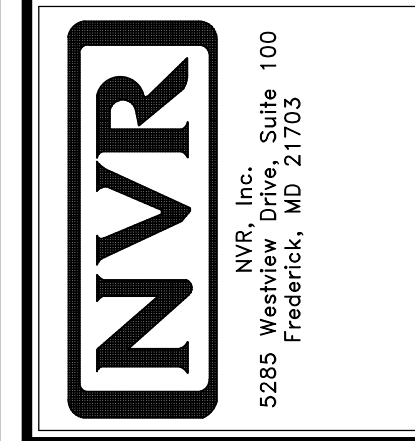
- FLOOR PLAN NOTES**
- ALL HEADERS ARE (2) 2x6 w/ 2x4 WALLS OR (3) 2x6 w/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
  - ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK AND KING STUD EACH END, UNLESS OTHERWISE NOTED. MULTI-OPENING HEADERS TO HAVE (2) JACKS AT INTERMEDIATE BEARING, UNLESS OTHERWISE NOTED. NO ADDITIONAL 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, CEILINGS, 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

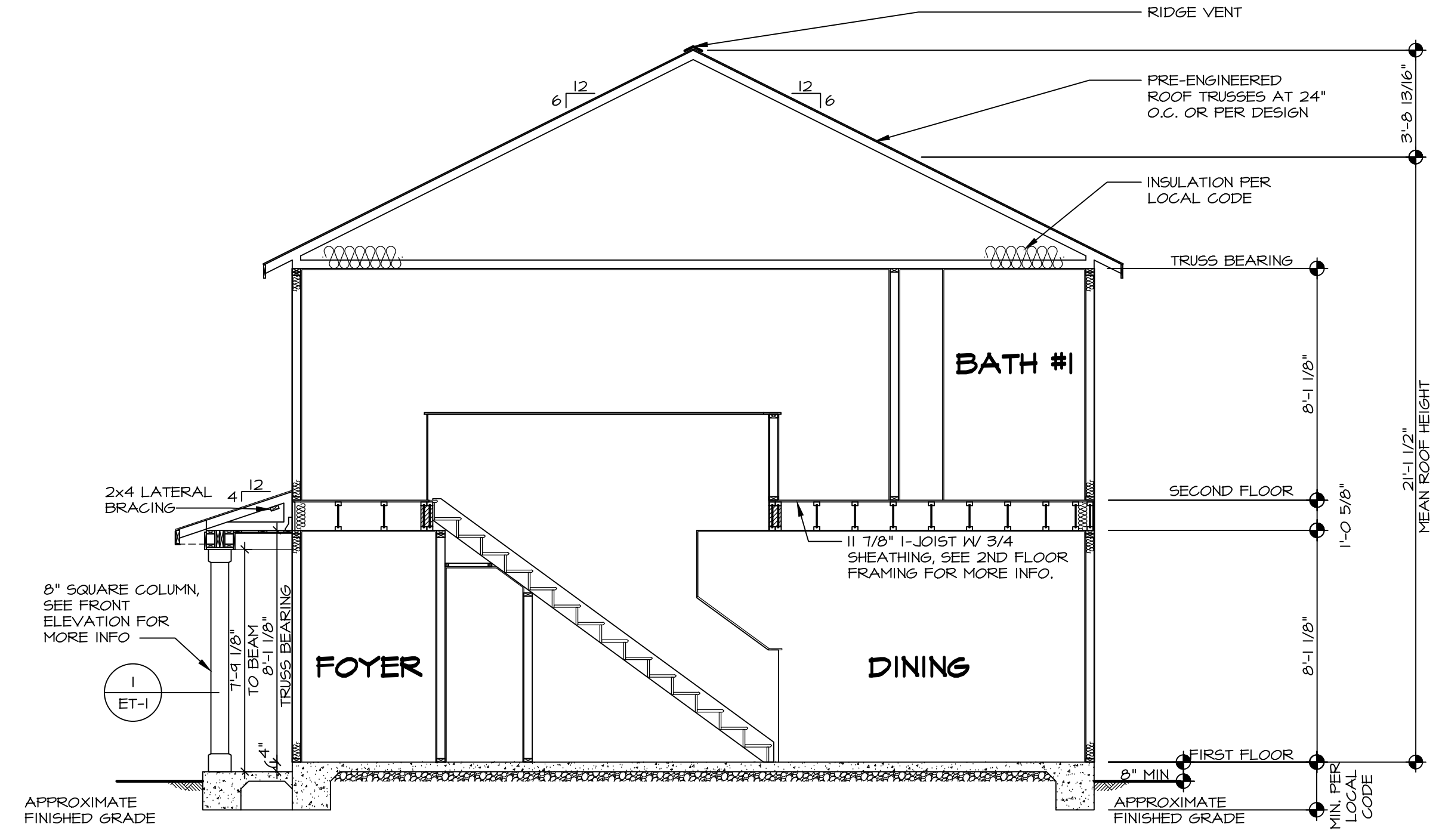


DIV.-COMM-LOT-UNIT  
 COMM-LOT  
 STREET ADDRESS  
 CITY  
 STATE  
 APT. NO.  
 ZIP

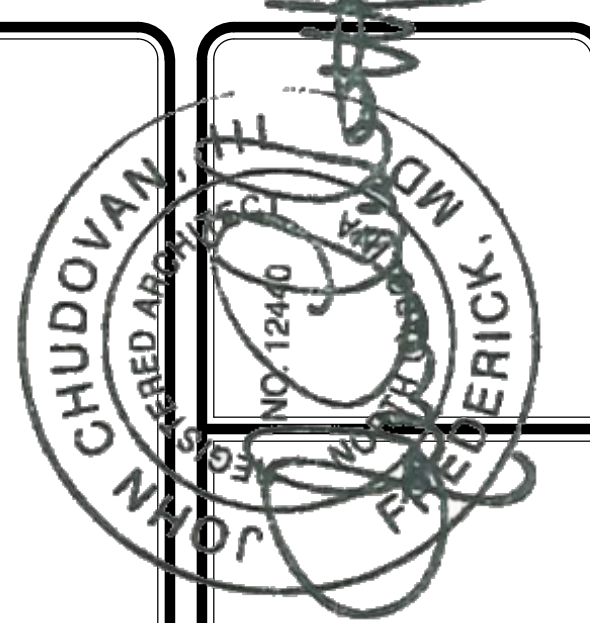
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SHEET NO.	MODEL	SET NO.	VERSION	DATE	OPTION
A-8	CEDAR	01	01		
	DRAWING TITLE	DRAWN BY			
	SECOND FLOOR PLAN	DATE:			
	OPTION DESCRIPTION	OPTION			
		10			

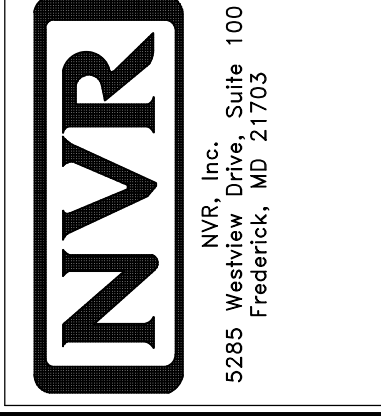


**BUILDING SECTION - FOYER**  
SCALE: 1/4" = 1'-0"

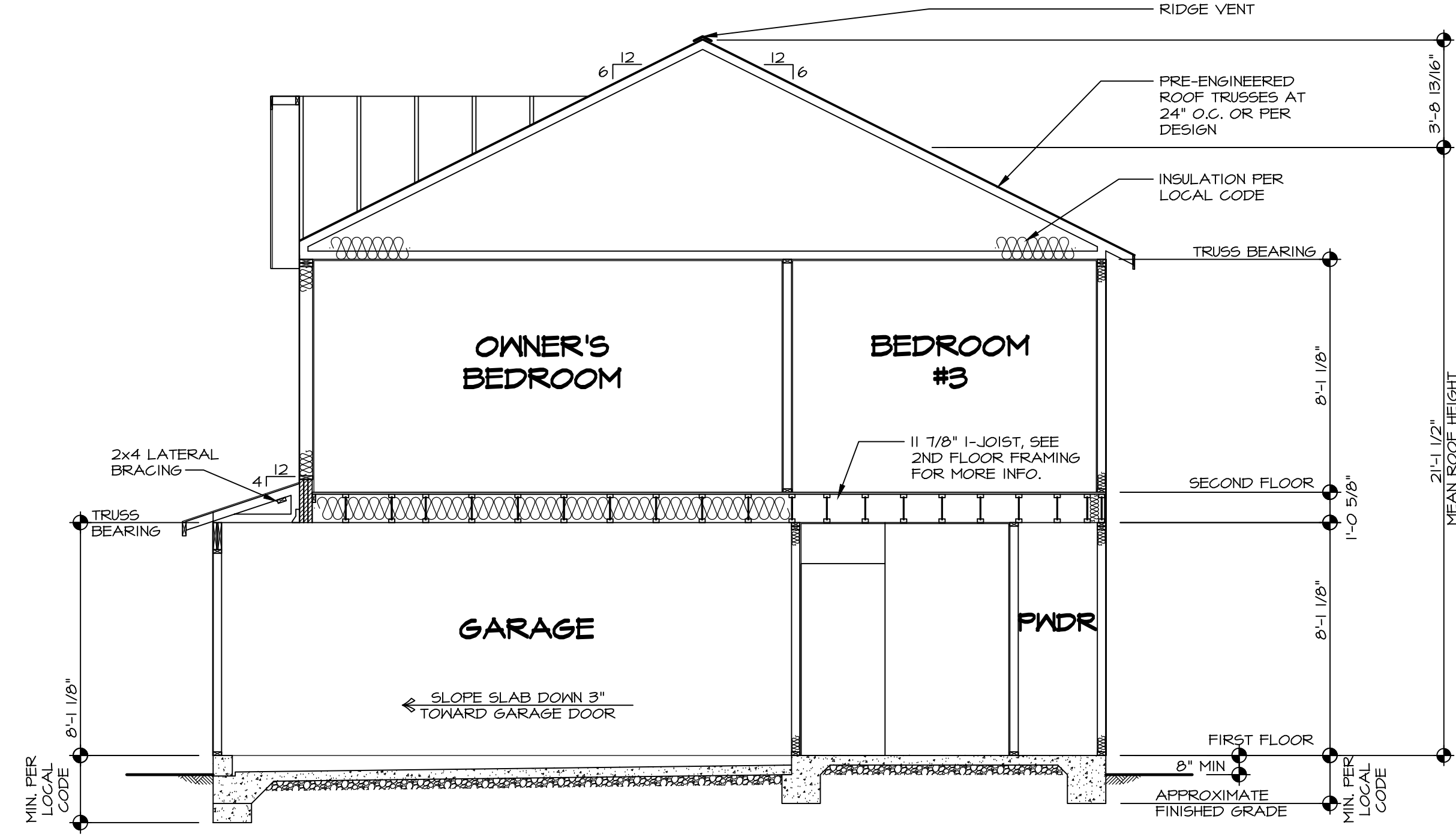


DIV.-COMM-LOT-UNIT  
COMM-LOT  
STREET ADDRESS  
CITY  
STATE  
APT. NO.  
ZIP

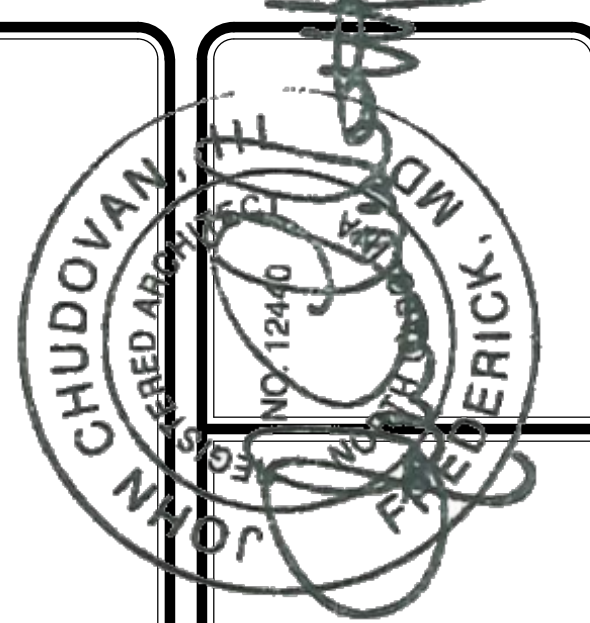
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SHEET NO. <b>A-9</b>	MODEL <b>CEDAR</b>	SET NO. CDROO VERSION 01	DRAWING TITLE <b>BUILDING SECTION - FOYER</b>
OPTION DESCRIPTION <b>  </b>	DRAWN BY	DATE:	OPTION

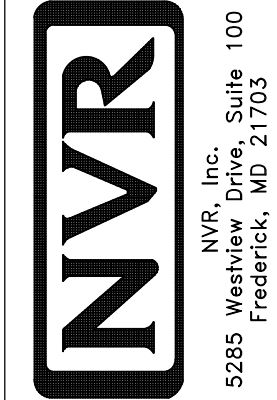


1  
A-10 **BUILDING SECTION - GARAGE**  
SCALE: 1/4" = 1'-0"



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

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MODEL	SET NO.	CDROO
CEDAR	VERSION	01
DRAWING TITLE	DRAWN BY	
BUILDING SECTION - GARAGE	DATE:	
OPTION DESCRIPTION	OPTION	

SHEET NO. **A-10**  
12

SECOND FLOOR FRAMING LENGTH SCHEDULE				
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
2AA	PRI 60 - 11-14	34'-4 3/4"		
2AA-2	PRI 60 - 11-14 DBL	34'-4 3/4"	1036	J-0053
2AB	PRI 60 - 11-14	16'-6 1/8"	1031	J-0054
2AC	PRI 60 - 11-14	19'-4 3/4"		
2AE	PRI 60 - 11-14	34'-4 3/4"		
2AF-2	PRI 60 - 11-14 DBL	20'-2 3/8"	1033	J-0055
2AG	PRI 60 - 11-14	34'-4 3/4"		
2AL	PRI 60 - 11-14	16'-6 1/8"	1031	J-0246
2AP	PRI 60 - 11-14	34'-4 3/4"	1038	J-0400
2AQ	PRI 60 - 11-14	14'-4 3/4"	1040	J-0402

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 INCLUDING 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 INCLUDING 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.

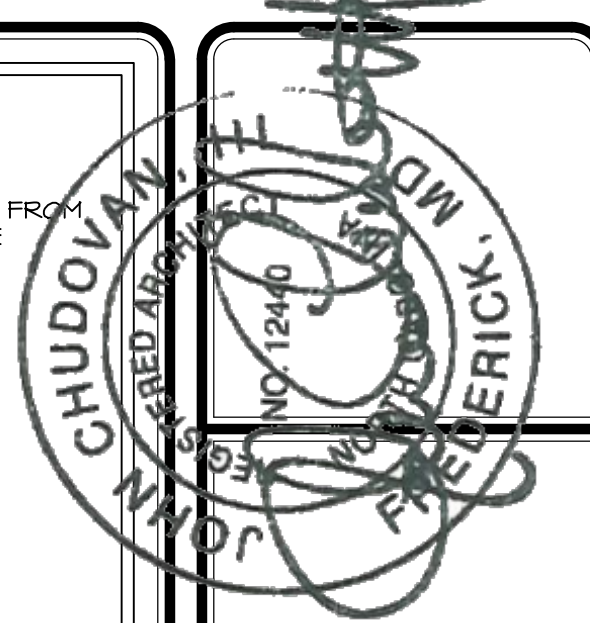
6.A - (3) PLY 20" TALL AND OVER; FASTEN PLYS W/ (4) ROWS 16D NAILS AT 12" O.C. FROM EACH SIDE OR ALT 1 1/2" WIDE LVL FASTEN PLYS W/ (5) ROWS 12D NAILS AT 12" O.C. FROM EACH SIDE.

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.

**LEGEND**

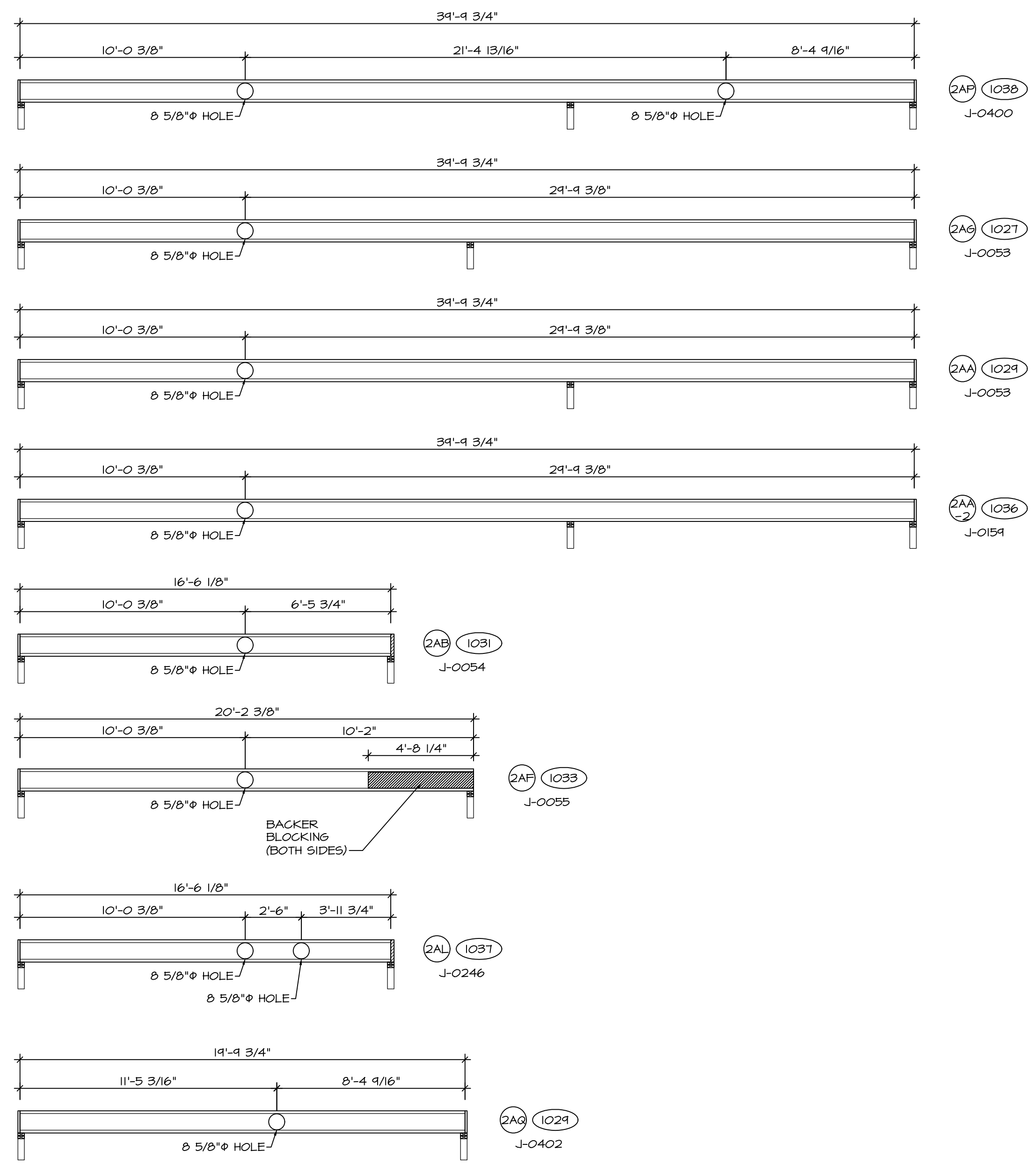
- ▬ BEARING WALL
- ⊗ INDICATES BEARINGS FROM POINT-LOAD ABOVE
- ⌋ JACKS
- ⊖ BEAM/HEADER
- ⊞ PAD FOOTING
- ⊕ STEEL COLUMN
- ⊗ TRUSS TIE DOWN
- ⊗ PORTAL FRAME
- ⊗ JOIST/TRUSS
- ⊞ LVL
- ⊗ ENGINEERING PAGE NUMBER

SEE FC DETAILS FOR FRAMING CONNECTORS

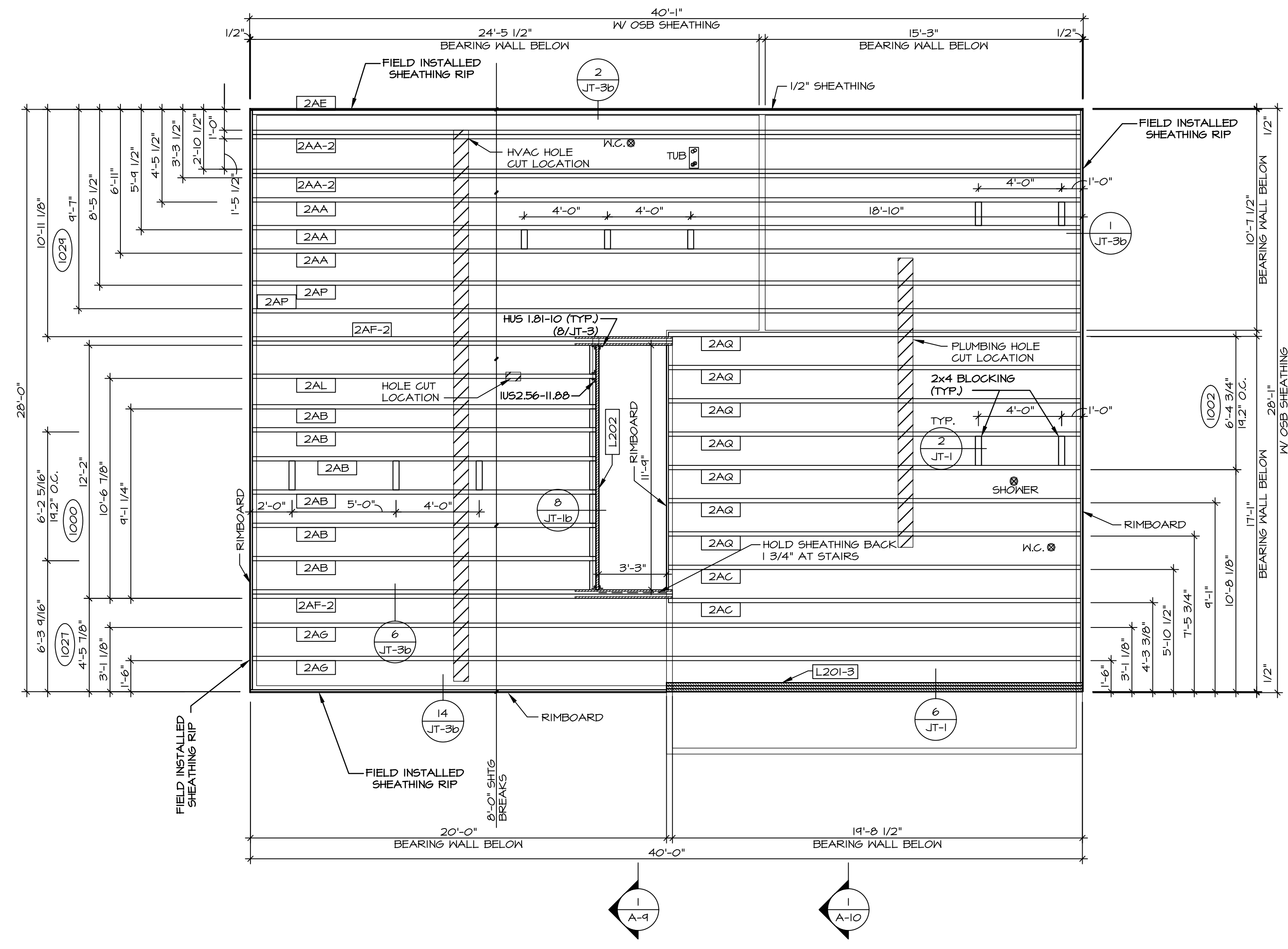


**I-JOIST FLOOR SYSTEM**

- SUBFLOOR IS 3/4" TONGUE AND GROOVE OSB STANDARD.
- JOIST LENGTHS SHIPPED IS THE NEXT HIGHEST LENGTH TO CUT FROM.
- ALL RIMBOARD TO BE 1-1/8" THICK UNO.
- REFER TO STANDARD DETAIL JT-3 FOR HOLE CUTTING GUIDELINES.
- PROVIDE RIMBOARD SOLID BLOCKING AT EXTERIOR WALLS AND BELOW ALL JACKS AS REQUIRED.
- REFER TO DETAIL 84T-3 FOR HANGER DETAIL.
- ALL JOISTS TO BE PRI60, PRI60 OR PRI80, REFERENCE SCHEDULE FOR SPECIFIC SERIES PER MEMBER.
  - PRI40 SERIES ARE SHOWN AS SHADED ON FRAMING PLAN.
- SEE CONNECTOR / NAIL CHART IN STANDARD DETAILS (FC-4) FOR TYPICAL HANGERS.
- ALL LVL BLOCKING CUT FROM 14'-0" MATERIAL.
- 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.**
- I-JOIST BLOCKING CUT FROM 2'-0" MATERIAL.
- ADHESIVE TO BE ADDED TO ALL JOIST HANGERS PRIOR TO SETTING JOISTS.
- J-XXXX SHOP DRAWINGS ARE ASSOCIATED WITH PLAN MODIFIED I-JOISTS OR PLANT BUILT JOIST COMPONENTS.



**2 JOIST HOLE CUTS**  
SCALE: 1/4" = 1'-0"



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

MODEL: CEDAR

DRAWING TITLE: SECOND FLOOR JOIST LAYOUT

OPTION DESCRIPTION: 20

SET NO. CDROO

VERSION 01

DRAWN BY:

DATE:

OPTION:

SHEET NO. S-2

NO. 12440

CHUDOVANY ERIC M.

PROFESSIONAL ENGINEER

STATE OF MARYLAND

5285 Washington Blvd., Suite 100, Frederick, MD 21703

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DIV-COMM-LOT-UNIT

COM-Lot

STREET ADDRESS

CITY

STATE

APT. NO.

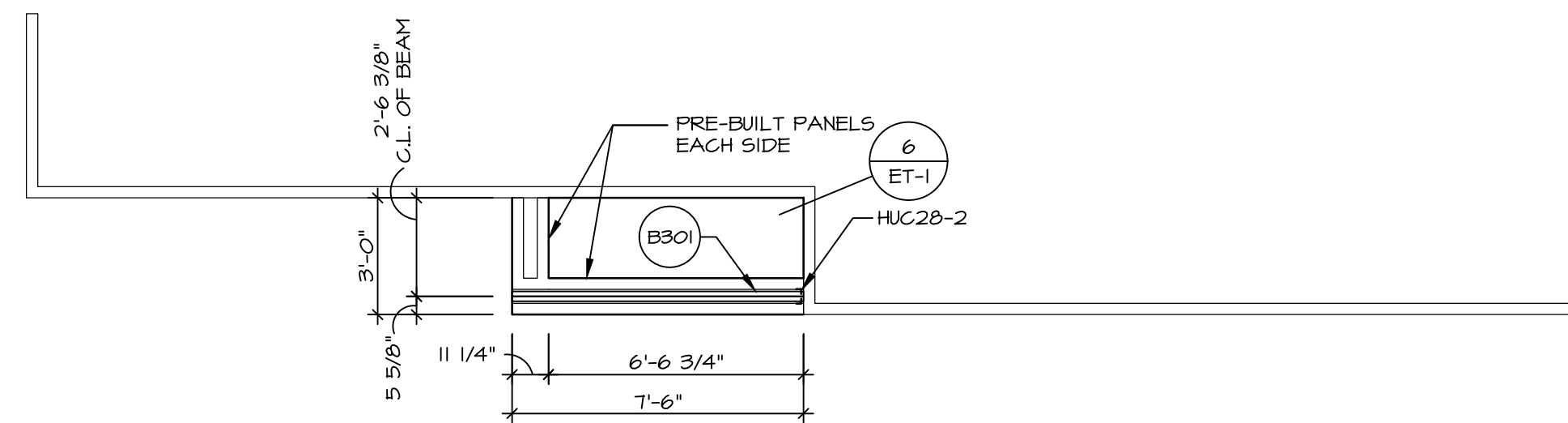
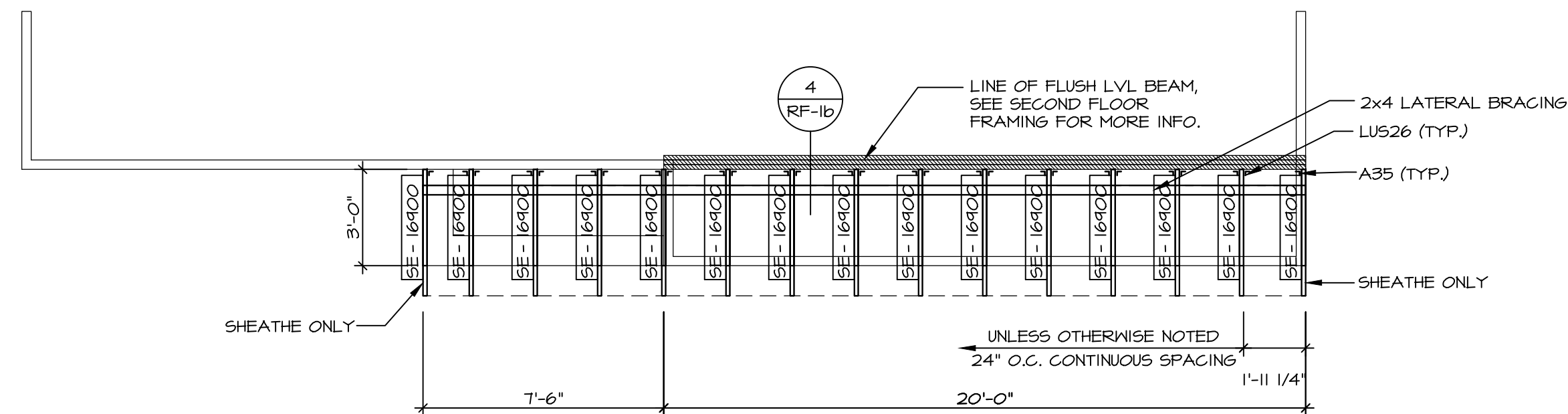
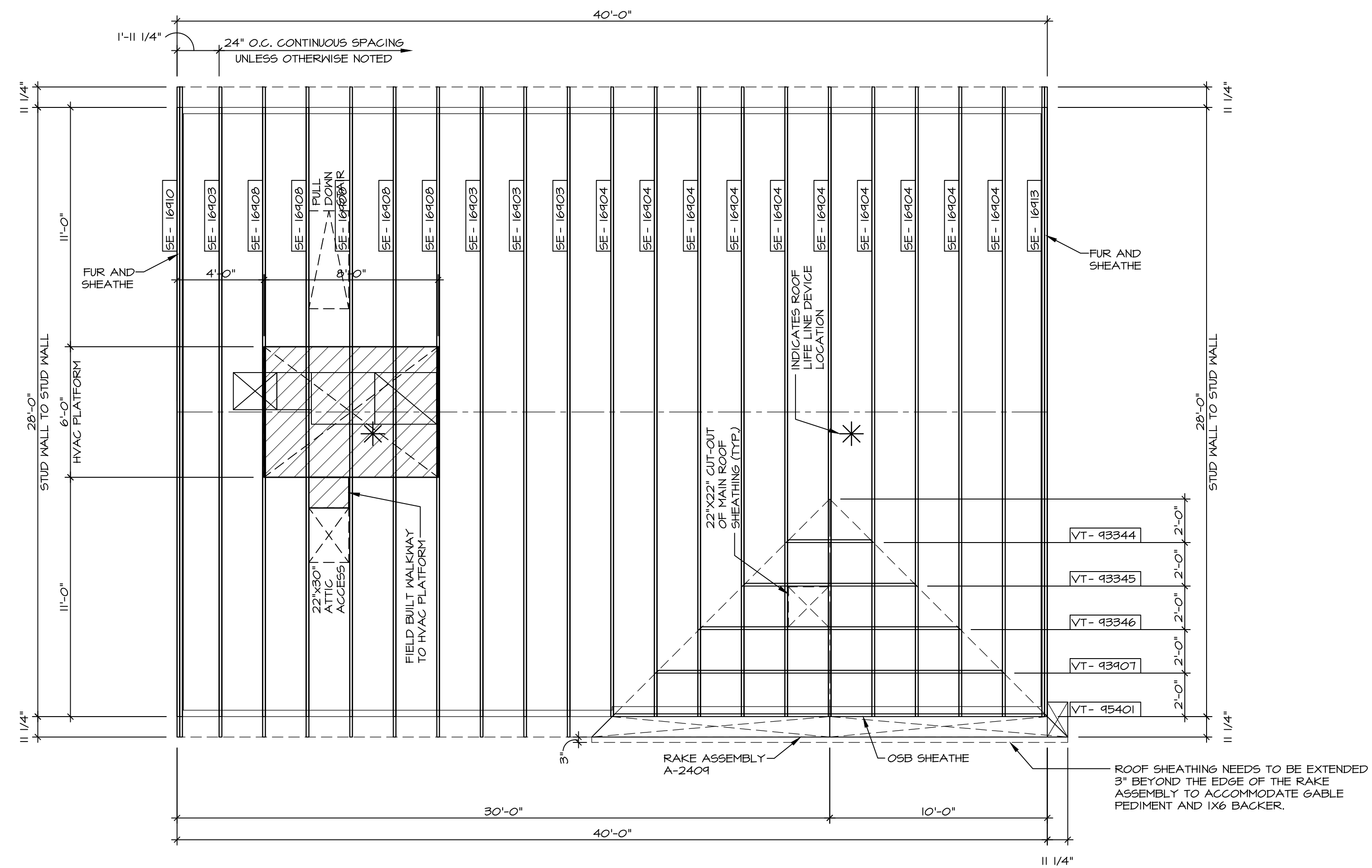
ZIP

Y:\As-Sold\2-Jobs\ASD\2022 1st-Hall-Complete\REV\DETACHED CEDAR\_CDROO\_01\ELK\_P\_06\_0169\_20 S-2.JST2\_LS.dwg 02/28/22 - 1:28 PM

TRUSS SCHEDULE					
QUANTITY	SPECS	TRUSS NUMBER	LENGTH	ROOF PITCH (X/12)	REMARKS
15	SE	16400	3'-0"	6/12	-
4	SE	16403	28'-0"	6/12	-
10	SE	16404	28'-0"	6/12	-
5	SE	16408	28'-0"	6/12	-
1	SE	16410	28'-0"	6/12	-
1	SE	16413	28'-0"	6/12	-
1	VT	43344	4'-0"	6-6/12	-
1	VT	43345	8'-0"	6-6/12	-
1	VT	43346	12'-0"	6-6/12	-
1	VT	43407	16'-0"	6-6/12	-
1	VT	45401	20'-0"	6-6/12	-

FIELD INSTALLED ROOF FRAMING BEAM/HEADER SCHEDULE

IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
B301	BEAM BUILT 2X8 - 2 PLY RFF	7'-6"	1012	



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

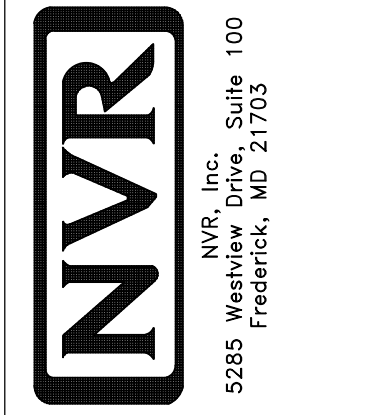
ROOF FRAMING NOTES

- 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 (11/RF-1)
- IF TRUSS DOES NOT APPEAR ON THE TRUSS BRACING SHEET, NO ADDITIONAL LATERAL BRACING REQUIRED.



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

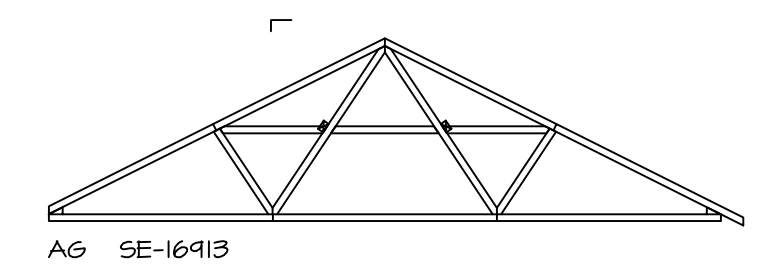
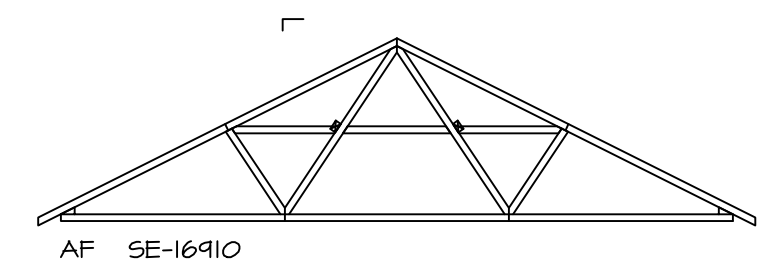
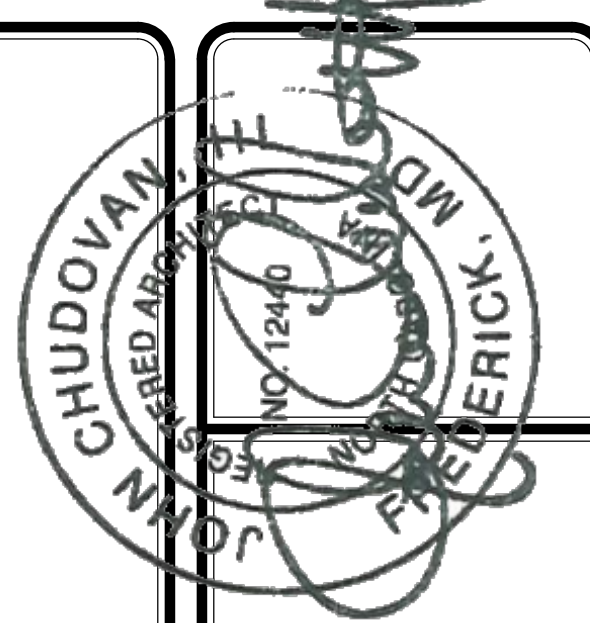
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SET NO.	CDPROO
VERSION	01
DRAWN BY	
DATE:	OPTION

SHEET NO.	5-3
MODEL	CEDAR
DRAWING TITLE	ROOF FRAMING
OPTION DESCRIPTION	
21	

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

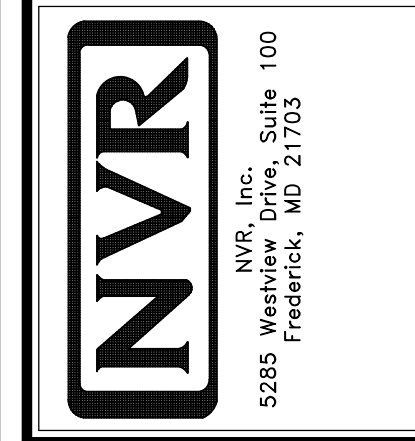


S-4
**TRUSS BRACING DETAILS**  
 SCALE: 1/8" = 1'-0"

- 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 "I" 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 1VRF-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	----
APT. NO.	----
ZIP	----

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SHEET NO.	<b>S-4</b>	MODEL	CEDAR	SET NO.	CDROO
		DRAWING TITLE	TRUSS BRACING DETAILS	VERSION	01
		OPTION DESCRIPTION		DRAWN BY	
				DATE:	
				OPTION	

BRACED WALL LINE SCHEDULE				
WIND SPEED (ULT)	IDENTIFIER	ACTUAL (FT)	REQUIRED (FT)	METHOD
130 MPH	BWL 100.00	14.51'	9.36'	CONTINUOUS (2 SIDES)
130 MPH	BWL 101.00	19.46'	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	21.32'	7.06'	WSP (2 SIDES)
130 MPH	BWL 202.00	34.29'	5.18'	WSP (2 SIDES)
130 MPH	BWL 203.00	25.13'	7.06'	WSP (2 SIDES)

FASTENING SCHEDULE			
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.
	ALTERNATIVE FASTENER 1-3/4" 16-GAUGE CORROSION RESISTANT STAPLES	3" O.C.	12" O.C.
1/2" GYPSUM WALLBOARD (W/ METHOD GB-1, GB-2)	1-1/4" LONG, 1/4" HEAD, 0.98" DIA. ANNULAR-RINGED NAILS	7" O.C.	7" O.C.
	CORROSION RESISTANT TYPE W 1-1/4" DRYWALL SCREWS	7" O.C.	7" O.C.
LAMINATED FIBROUS STRUCTURAL SHEATHING	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.
1/2" GYPSUM WALLBOARD BLOCKED AT THE EDGES (W/ METHOD GB-BW-1, GB-BW-2)	BLOCKING REQUIRED AT ALL GYPSUM EDGES. USE CORROSION RESISTANT TYPE W 1-1/4" DRYWALL SCREWS	4" O.C.	12" O.C.

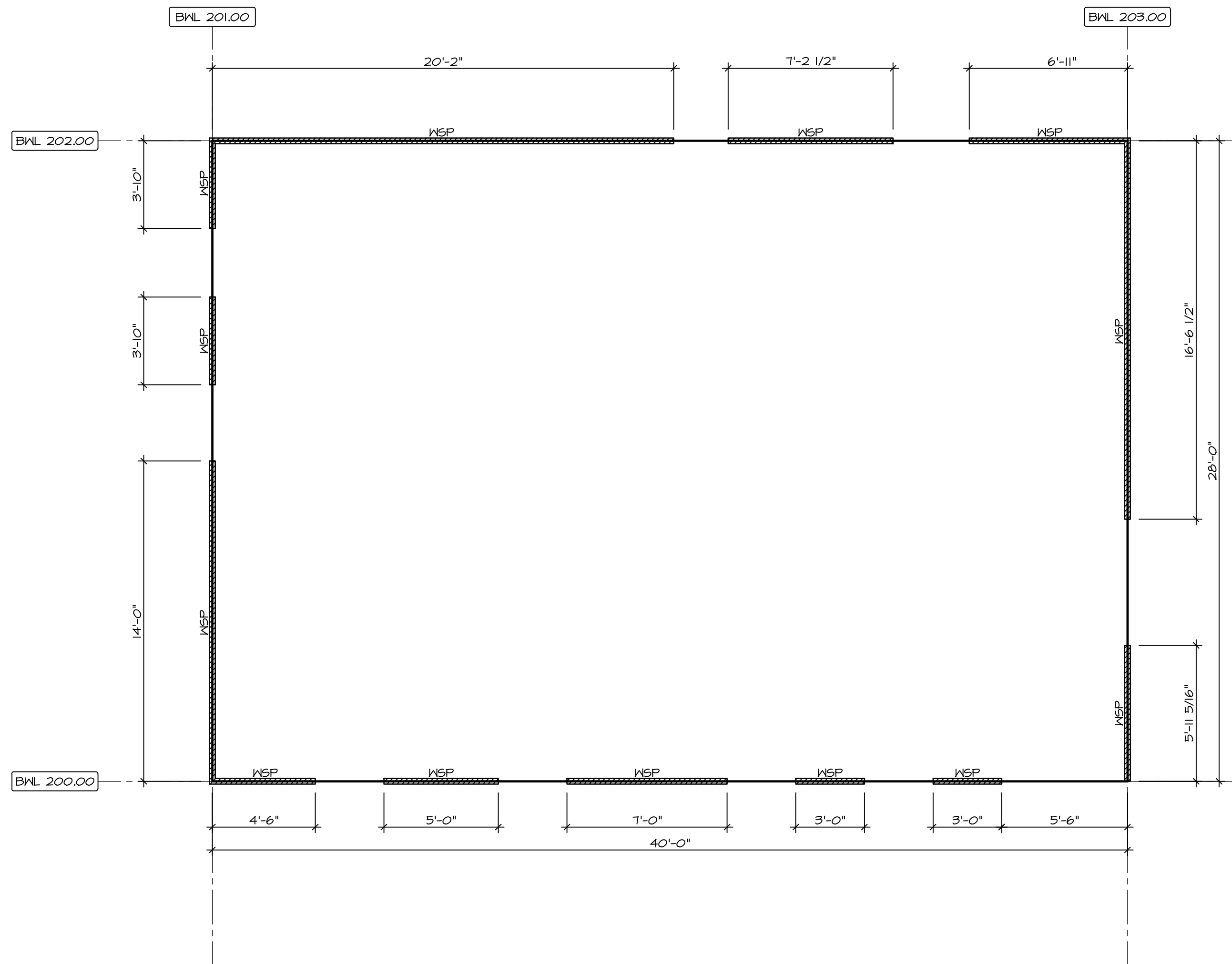
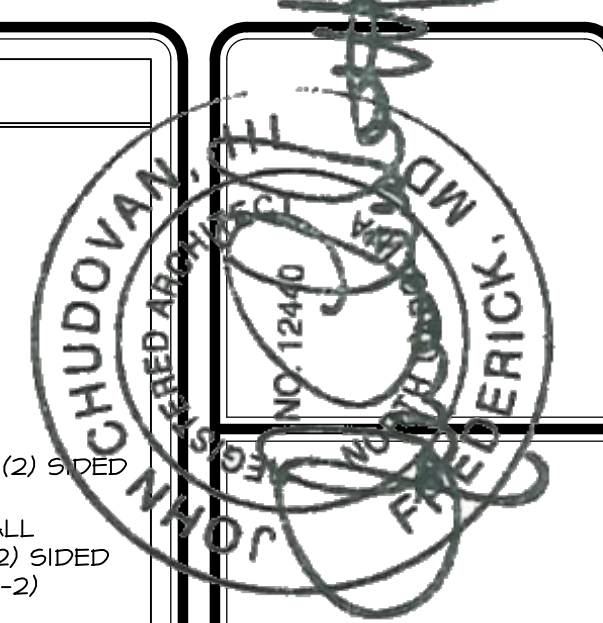
**NOTES:**

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

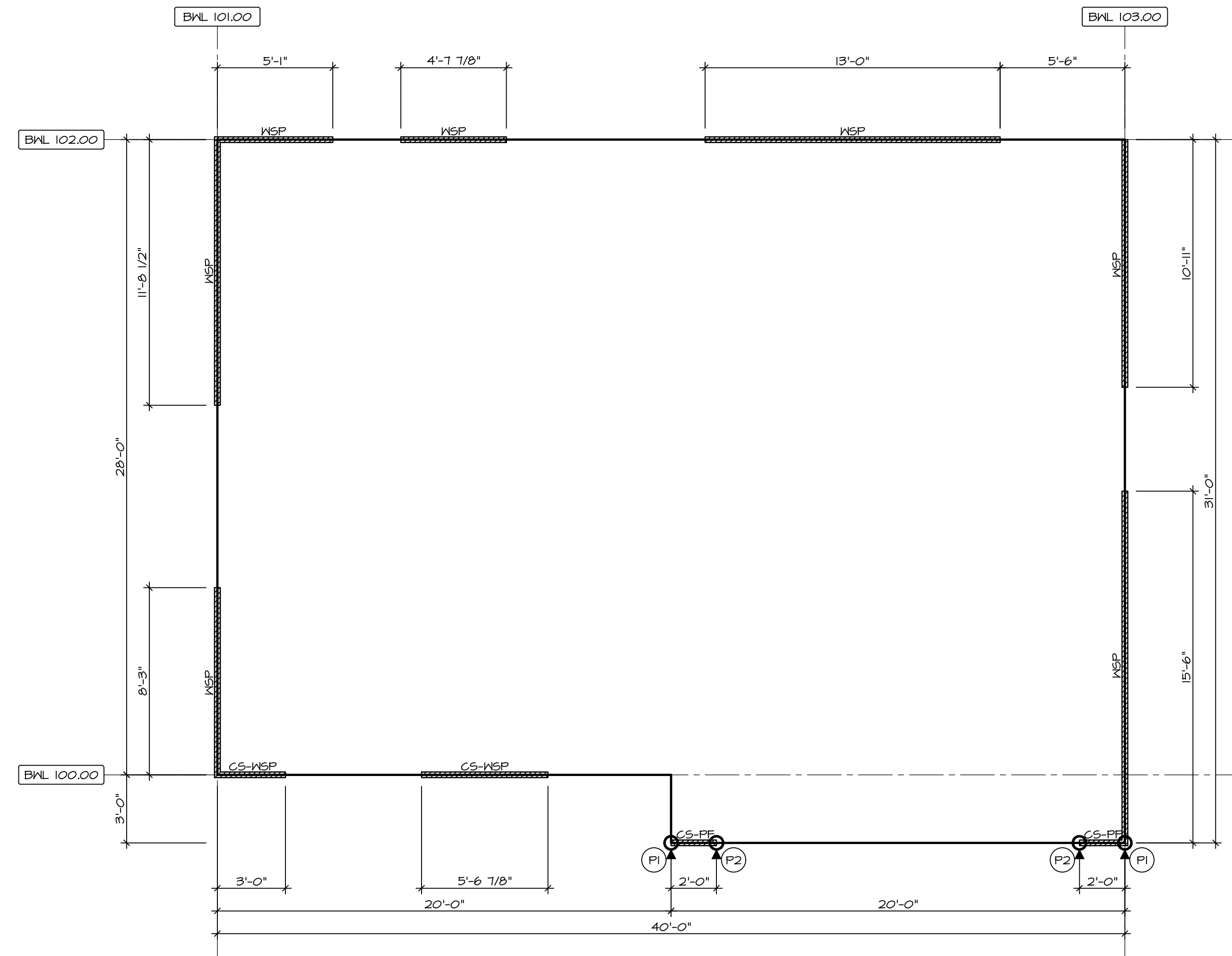
LEGEND	
BWL XXX.XX	BRACED WALL LINE I.D.
---	BRACED WALL LINE
---	HOUSE WALL
///	BRACED WALL PANEL
WSP	WOOD STRUCTURAL PANEL
GB	GYPSUM BOARD (1) SIDED OR (2) SIDED
GB-BW	GYPSUM BOARD BLOCKED WALL CONSTRUCTION (1) SIDED OR (2) SIDED (SEE STANDARD DETAIL G/NB-2)
LIB	LET-IN BRACINGS (SEE STANDARD DETAIL 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.



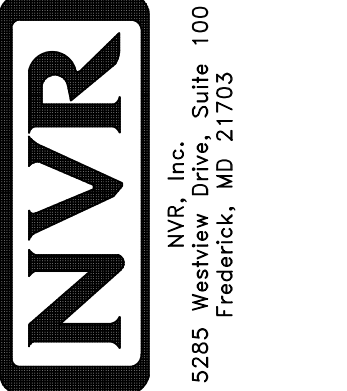
**2**  
**SECOND FLOOR**  
**BRACED WALL DETAIL**  
 SCALE: 1/4" = 1'-0"



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

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

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SET NO. CDROO  
 VERSION 01  
 DRAWN BY  
 DATE:  
 OPTION

MODEL  
**CDAR**  
 DRAWING TITLE  
**BRACED WALL PANEL DETAIL**  
 OPTION DESCRIPTION