

# ASPEN

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. DIMS.													
SPEC SHEET	SS-1													AD-1
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														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)	560 SF
	560 SF
SECOND FLOOR SQUARE FOOTAGE	
DESCRIPTION	TOTAL SQ. FT.
2ND FLOOR (BASE SF)	880 SF
	880 SF
GARAGE SQUARE FOOTAGE	
DESCRIPTION	TOTAL SQ. FT.
TWO CAR FRONT ENTRY GARAGE	400 SF
	400 SF
TOTAL FINISHED SQUARE FOOTAGE	
DESCRIPTION	TOTAL SQ. FT.
1ST FLOOR (BASE SF)	560 SF
2ND FLOOR (BASE SF)	880 SF
	1440 SF

SET - VERSION  
**ASPOO - 01** **CS-1**





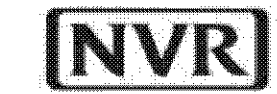
### ROOF VENTILATION CALCULATIONS

HOUSE NAME	ASPEN
HOUSE VERSION	ASPO0-01
PRODUCT LINE	RYANHOMES
VENTILATION VALUES	SOFFIT: 9.9 sq. ft. of vent per ft. RIDGE: 18 sq. ft. of vent per ft. ROOF / GABLE VENT: 25 sq. ft. of vent per sq. ft.

USER GUIDE	YES	(any)	(any)	VENT OR	No action req'd.
	NO	YES	OR VENT OR	No action req'd.	
	NO	YES	LOW RISE	Increase ridge	
	NO	YES	HIGH RISE	Increase ridge	
	NO	NO	PAK	Increase total vent.	

ELEVATION "A & K"												
Location / Option	Area (sq. ft.)	Height (ft.)	Volume (cu. ft.)	Soffit (sq. ft.)	Ridge (sq. ft.)	Roof/Gable (sq. ft.)	Upper Rise (sq. ft.)	Lower Rise (sq. ft.)	TOTAL (sq. ft.)	OR A/100	OR A/100	Notes
Main house roof	124.75	8.83	1101.00	42.50	18.00	100.00	100.00	100.00	360.50	100	100	
Garage roof	11.20	7.80	87.36	20.00	18.00	100.00	100.00	100.00	238.00	100	100	

ELEVATION "B & L"												
Location / Option	Area (sq. ft.)	Height (ft.)	Volume (cu. ft.)	Soffit (sq. ft.)	Ridge (sq. ft.)	Roof/Gable (sq. ft.)	Upper Rise (sq. ft.)	Lower Rise (sq. ft.)	TOTAL (sq. ft.)	OR A/100	OR A/100	Notes
Main house roof	124.75	8.83	1101.00	42.50	18.00	100.00	100.00	100.00	360.50	100	100	
Garage roof	11.20	7.80	87.36	20.00	18.00	100.00	100.00	100.00	238.00	100	100	



### HOUSE VOLUME CALCULATIONS

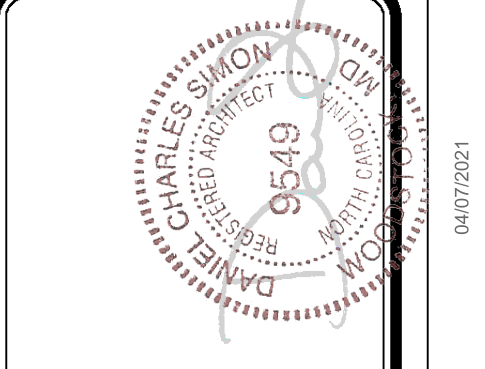
HOUSE NAME	ASPEN
HOUSE VERSION	ASPO0-01
PRODUCT LINE	RYANHOMES

**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 "A"			
Location / Area of house	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
Left side of the house	560.00	20.98	11751
Right side of the house	320.00	19.48	6235
Garage bump out from main house	80.00	8.83	706
Total House Volume			18693

ELEVATION "B, K, L"			
Location / Area of house	Floor Area (sq. ft.)	Mean height (ft.)	Total volume (cu. Ft.)
Left side of the house	560.00	20.98	11751
Right side of the house	320.00	19.48	6235
Garage bump out from main house	80.00	8.83	706
Porch on front of house	24.00	8.83	212
Total House Volume			18904

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.)
Partial Front Porch "EPB" W/ Elevation	24.00	8.83	212
Full Basement "FBA"	560.00	8.61	4824
Crawl space "FCA"	560.00	0.80	448



DIV - COMM - LOT - UNIT

COMM - LOT

STREET ADDRESS

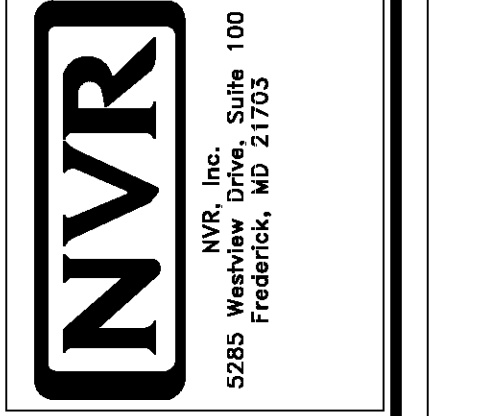
CITY

STATE

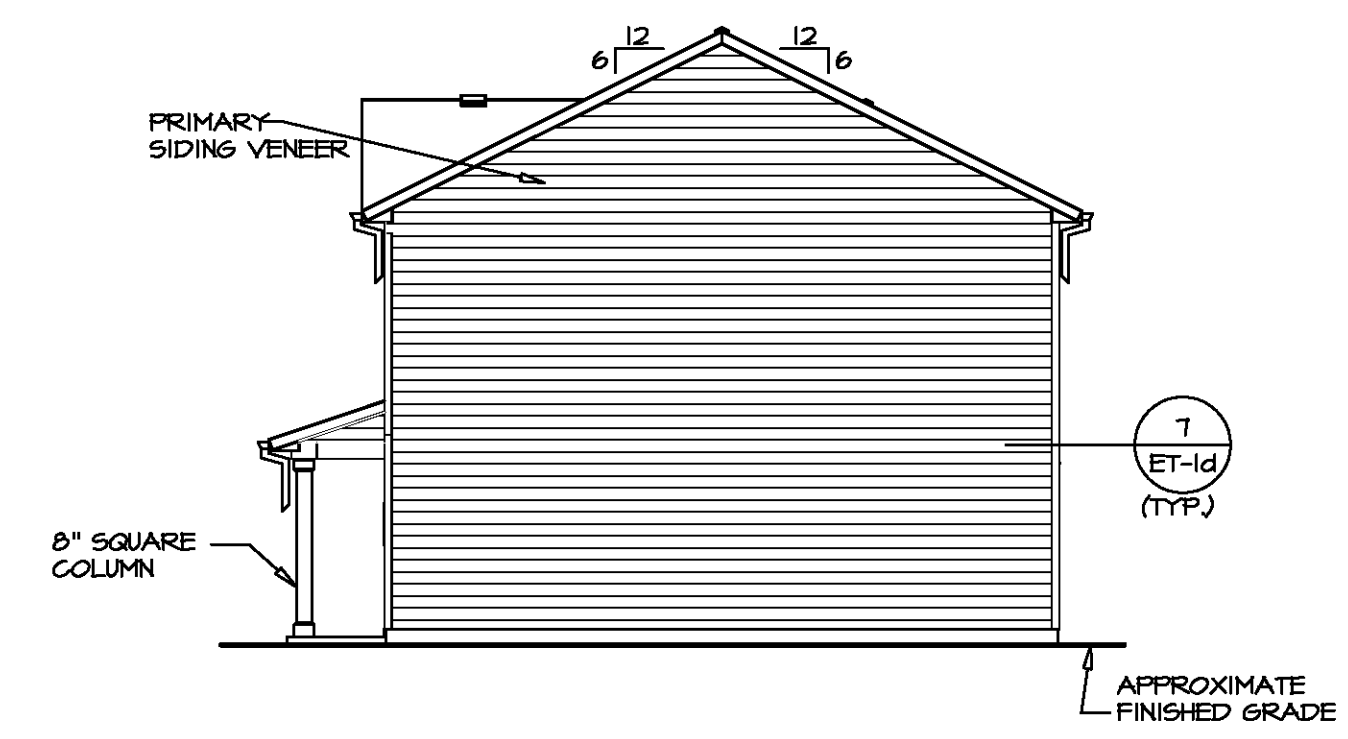
APT. NO.

ZIP

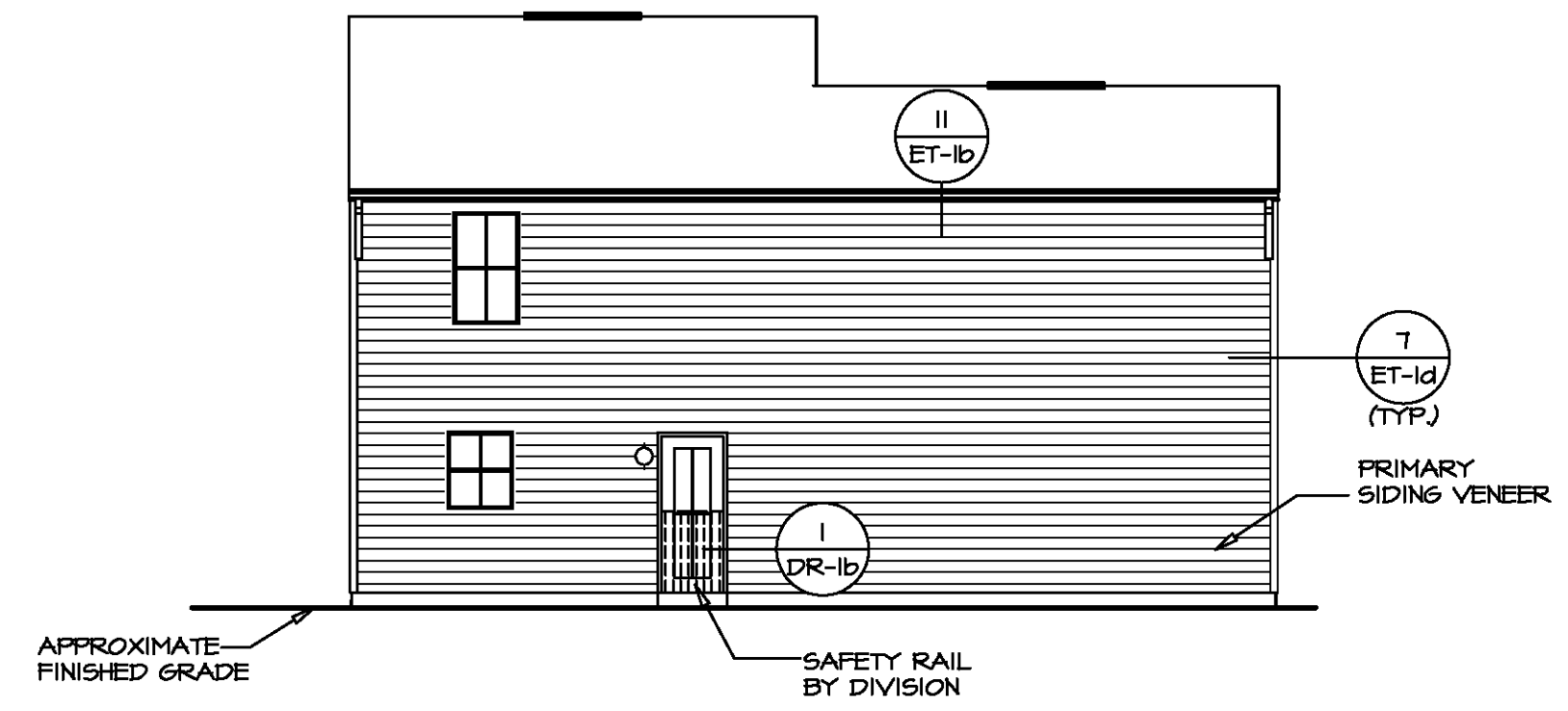
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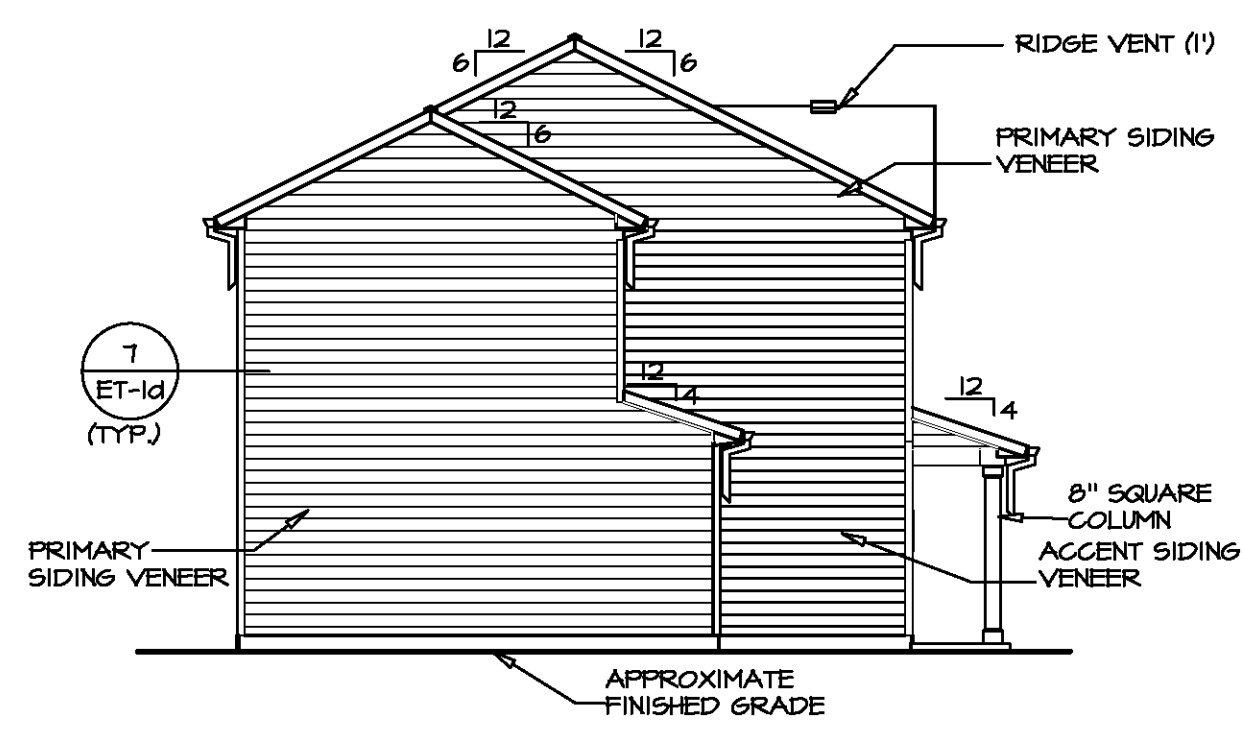
SHEET NO.	MODEL	SET NO.	ASPO0
CA-1	ASPEN	VERSION	01
	DRAWING TITLE	DRAWN BY	
	OPTION DESCRIPTION	DATE	
		OPTION	



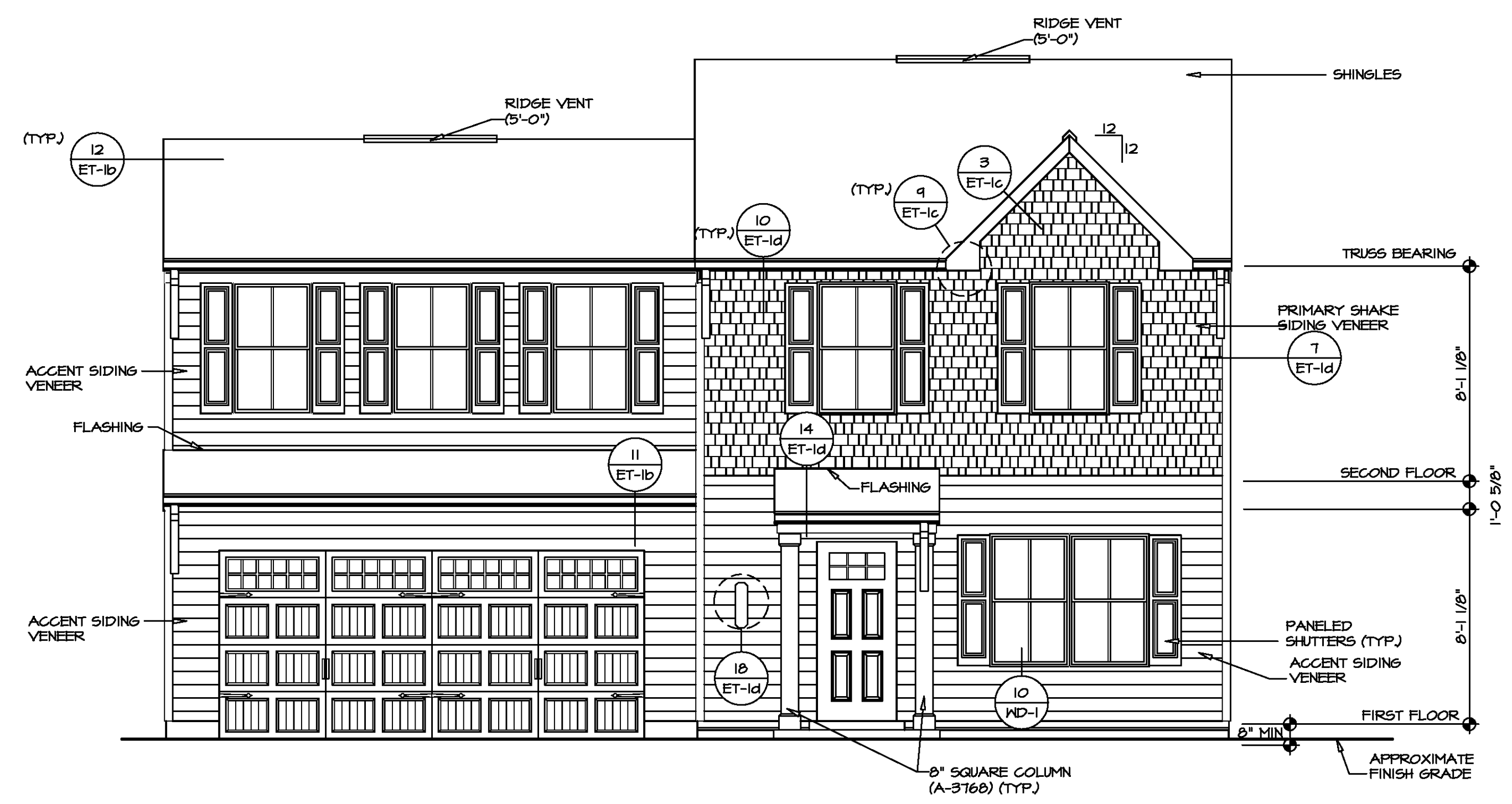
**2 RIGHT SIDE ELEVATION**  
SCALE: 1/8" = 1'-0"



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



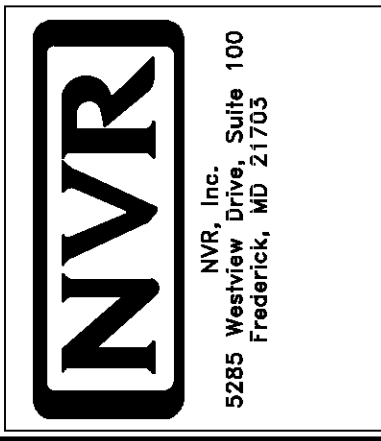
**4 LEFT SIDE ELEVATION**  
SCALE: 1/8" = 1'-0"



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

DIV-COMM-LOT-UNIT  
COM-LOT  
STREET ADDRESS  
CITY  
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MODEL: ASPEN  
DRAWING TITLE: ELEVATIONS  
OPTION: SLAB FOUNDATION  
SET NO. ASPOO  
VERSION: 01  
DRAWN BY:  
DATE:  
OPTION: FSA

PAD FOOTING SCHEDULE					
IDENTIFIER	LENGTH	WIDTH	HEIGHT	ENG. NUM.	REMARKS
FOOT	11'-0 1/2"	1'-4"	0'-8"	50001	

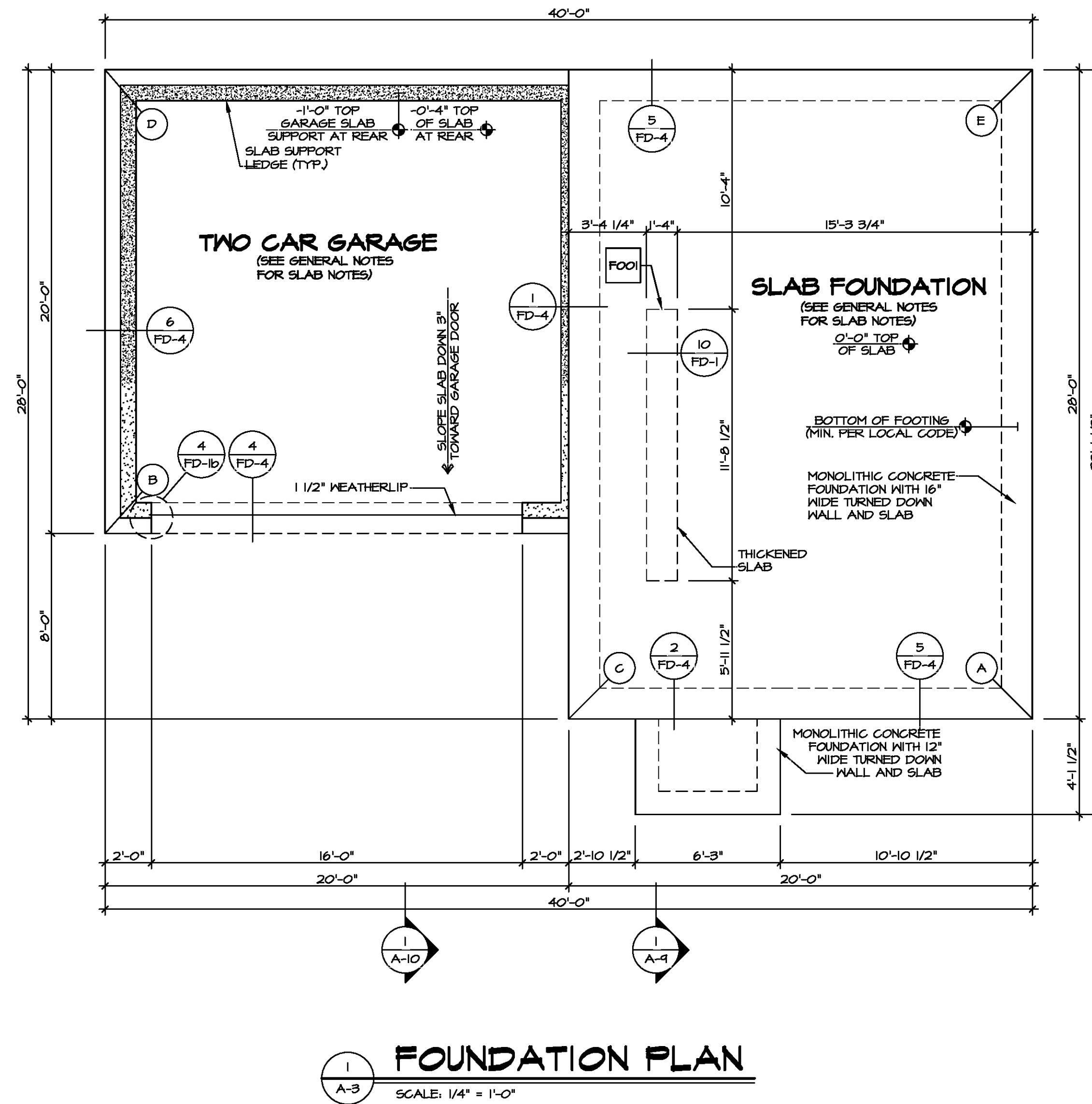
FOUNDATION DIAGONALS			
A		B	
A	0"	A	40'-4 1/2"
B	40'-4 1/2"	B	0"
C	20'-0"	C	21'-6 1/2"
D	48'-4 24/32"	D	20'-0"
E	28'-0"	E	44'-8 21/32"

- 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 BEAMS) ORIENTATION SEE GB-1 FOR DETAILS.
  - THE DIRECTION OF THE ARROW IS THE DIRECTION OF REBAR, AS REQUIRED.
  - ALL FOOTINGS ARE FLAIN 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



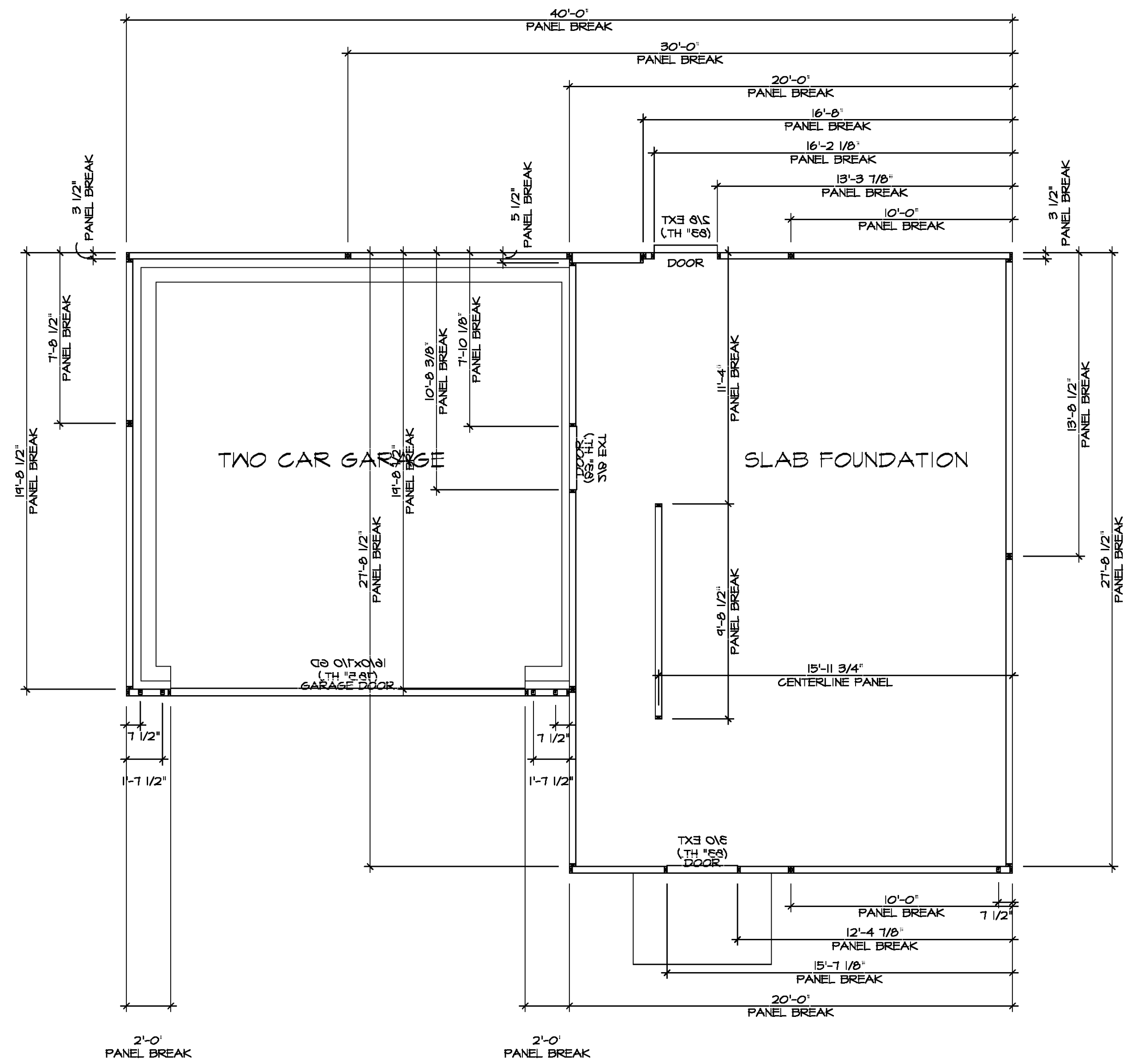
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DIV-COMM-LOT-UNIT	COM-LOT	STREET ADDRESS	CITY	STATE	ZIP
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MODEL	DRAWING TITLE	DATE:	OPTION	FSA
AS-3	FOUNDATION PLAN			
SHEET NO.	AS-3	VERSION	01	OPTION
		DRAWN BY		FSA
		DATE:		
		OPTION		FSA
		DESCRIPTION		SLAB FOUNDATION
				5

VA-As-Sold-2-2021-06-010A-5-A-3-FDN-LS (FSD) Rev 04/07/21 - 1:27 PM



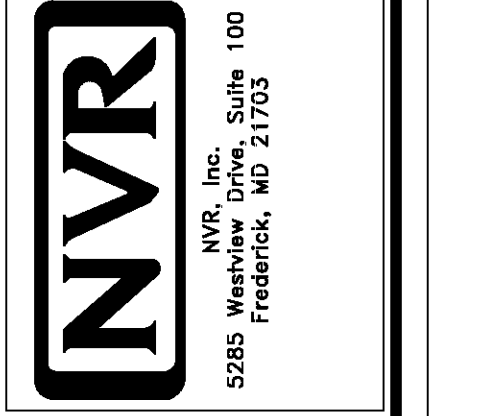
**FOUNDATION HOLD DOWN DETAILS**  
SCALE: 1/4" = 1'-0"

HOLD DOWN NOTES	
REFER TO DETAIL (1/2FD-1) FOR HOLD DOWN OFFSET DIMENSIONS. REFER TO DETAIL (1/2FD-1) FOR HOLD DOWNS ON CMU BLOCK.	
± 1/2" □	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)
STRAP □	1. STRAP: a. ON FOUNDATION USE (STHD14) b. ON FLOOR SYSTEM USE (STHD14R1) 2. ALL OTHER HOLD DOWN SEE DETAIL (1/2-2) FOR MORE INFORMATION. 3. STRAP LOCATION ON PLANS SHOWN BY DASHED DIMENSION TO CENTER OF STUDS
OR	
BOLT □	1. 5/8"Ø THREADED ROD 2. ALL OTHER HOLD DOWN SEE DETAIL (1/2-2) FOR MORE INFORMATION. 3. BOLT LOCATION ON PLANS SHOWN BY SOLID DIMENSION TO CENTER OF BOLT

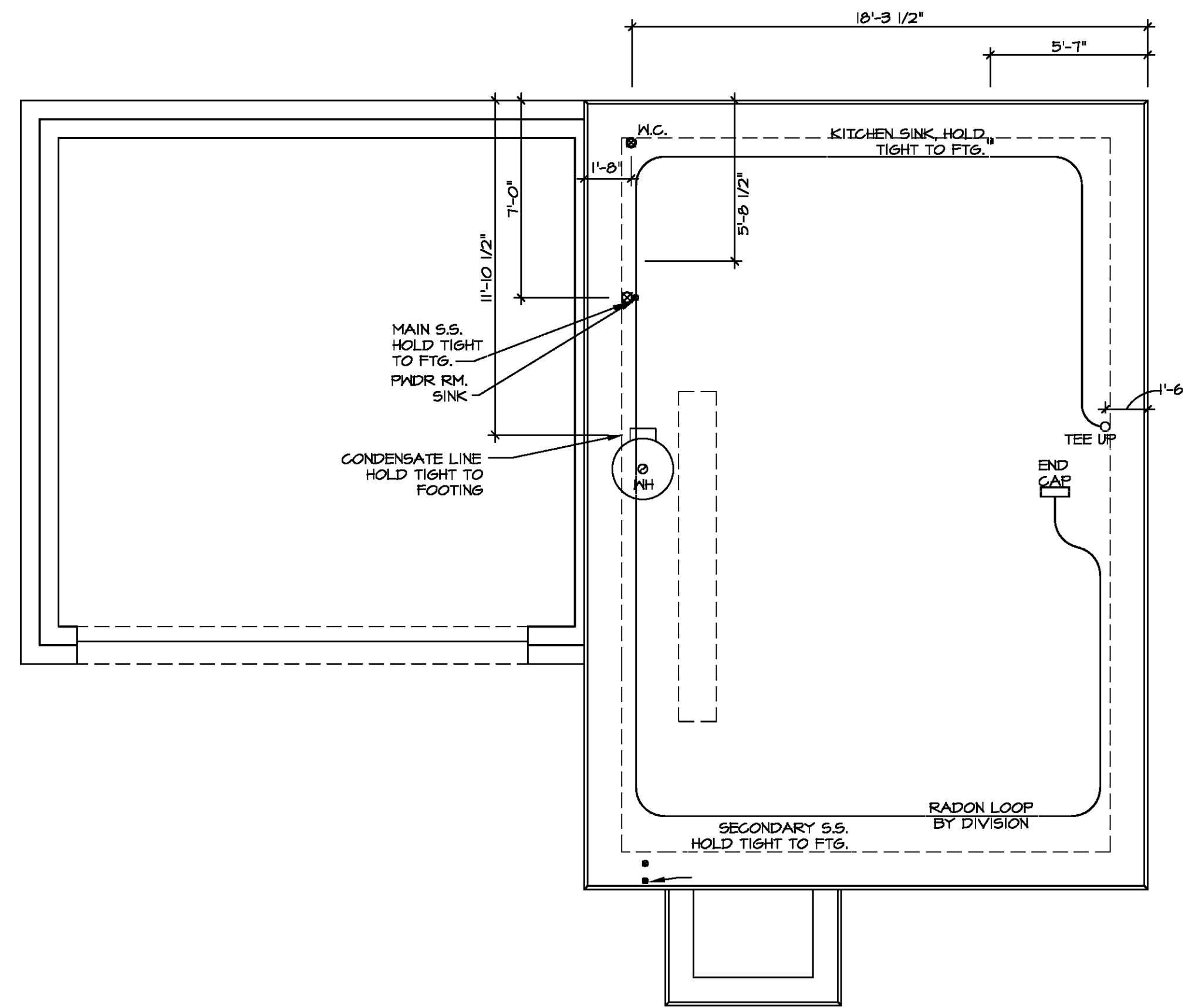


DIV-COMM-LOT-UNIT  
 COMM-LOT  
 STREET ADDRESS  
 CITY STATE ZIP  
 APT. NO.

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MODEL	ASPEN	SET NO.	ASFOO
DRAWING TITLE	FOUNDATION HOLD DOWN DETAILS	VERSION	01
DRAWN BY		DATE	OPTION
SHEET NO.	A-4	OPTION DESCRIPTION	6



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

**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  
 - 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	APT. NO.
STREET ADDRESS	
CITY	STATE
ZIP	

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Frederick, MD 21703

MODEL	SET NO. ASPOC	VERSION	DATE
ASPEN	01	01	
DRAWING TITLE	DRAWN BY	DATE	OPTION
PLUMBING PLAN			
OPTION DESCRIPTION			

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FIRST FLOOR JACK SCHEDULE			
IDENTIFIER	DESCRIPTION	ENG. NUM.	REMARKS
J101	JACK - (2) 2X4 SFF STUD GRADE	1024	
J102	JACK - (2) 2X4 SFF STUD GRADE	1024	
J103	JACK - (3) 2X4 SFF#1	1016	
J104	JACK - (3) 2X4 SFF#1	1016	
J105	JACK - (2) 2X4 SFF STUD GRADE	1012	
J106	JACK - (2) 2X4 SFF STUD GRADE	1012	
J107	JACK - (2) 2X4 SFF STUD GRADE	1012	
J108	JACK - (2) 2X4 SFF STUD GRADE	1018	
J109	JACK - (2) 2X4 SFF STUD GRADE	1018	
J110	JACK - (2) 2X4 SFF STUD GRADE	1012	

**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 BEARINGS, 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 T-O 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**

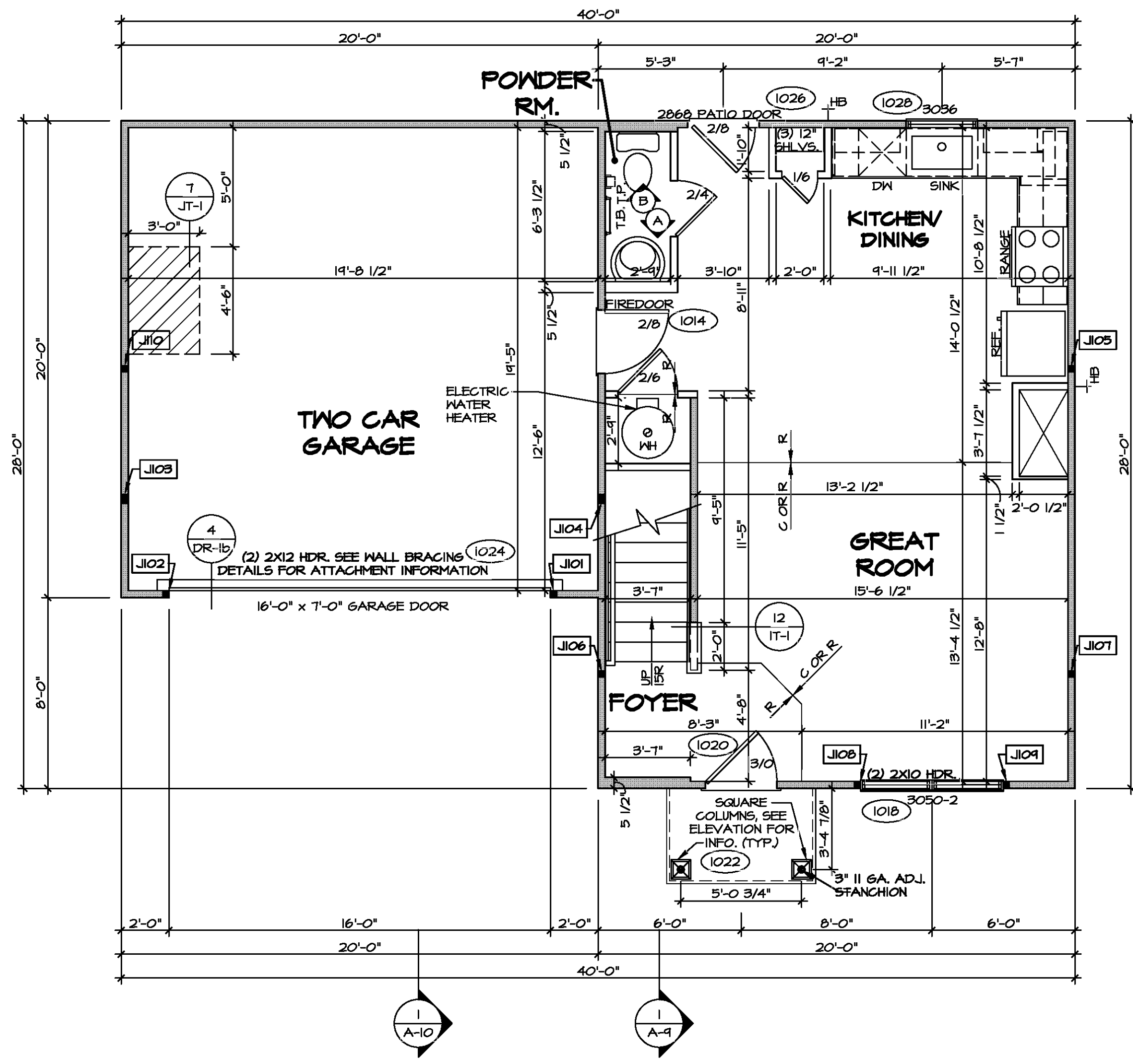
**AT GARAGE:**  
GYPSUM BOARD AT COMMON WALLS, CEILINGS, BEAM WRAPS AND SUPPORTS PER STANDARD DETAIL FA-1(b) FIRE ASSEMBLIES OR AS REQUIRED BY LOCAL CODE.

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

**LEGEND**

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

SEE FC DETAILS FOR FRAMING CONNECTORS



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

DIV-COMM-LOT-UNIT

COM-LOT

STREET ADDRESS

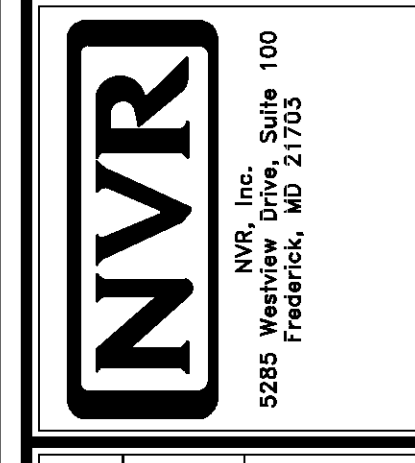
CITY

STATE

APT. NO.

ZIP

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MODEL	SET NO. ASPEN	VERSION	01
DRAWING TITLE	FIRST FLOOR PLAN	DRAWN BY	
OPTION DESCRIPTION		DATE:	
		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 BEARINGS, 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 T-O 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.

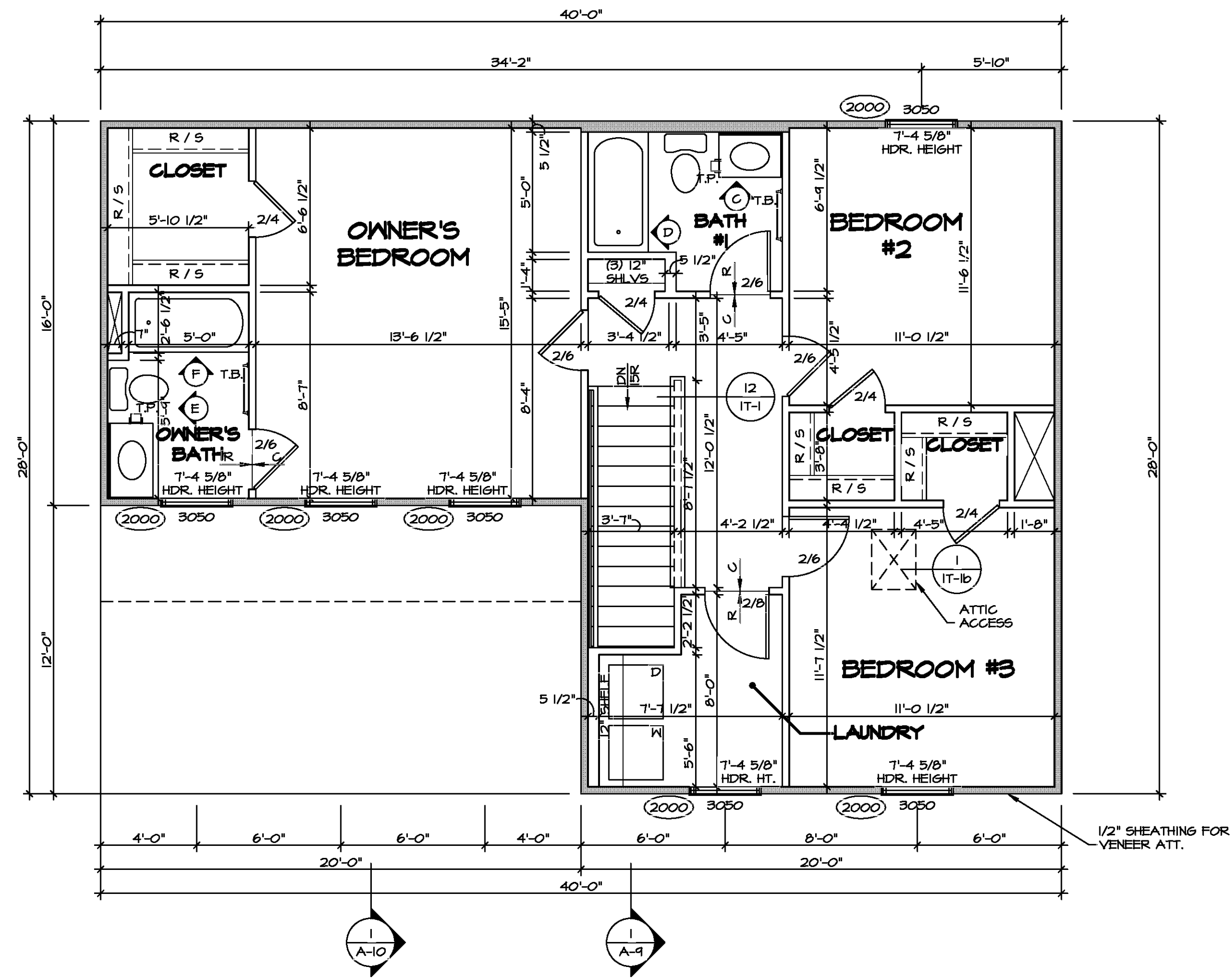
**GYPHUM NOTES**

AT GARAGE:  
GYPSUM BOARD AT COMMON WALLS, CEILING, BEAM WRAPS AND SUPPORTS PER STANDARD DETAIL FA-10b) 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  
COM-LOT  
STREET ADDRESS  
CITY STATE ZIP  
APT. NO.  
A-8  
10

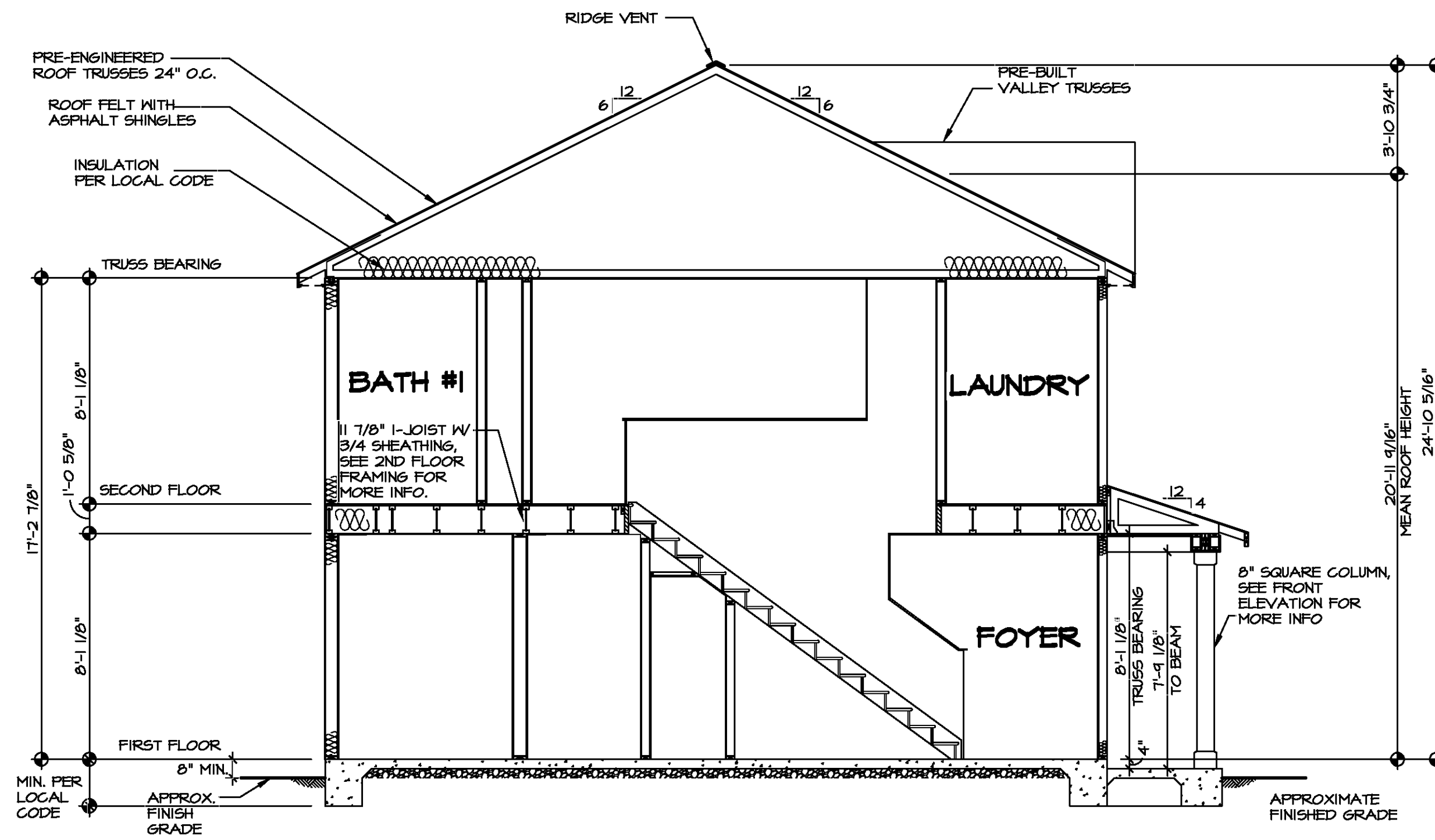
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Frederick, MD 21703

MODEL: ASPEN  
DRAWING TITLE: SECOND FLOOR PLAN  
OPTION DESCRIPTION: A-8 10

SET NO. ASP00  
VERSION 01  
DRAWN BY:  
DATE:  
OPTION

Y:\As-Sold\2-595\ASDA 2021 1stHalf-Complete\NVA DETACHED\ASPEN\_ASP00\_01\EX-R\_06-010A 10 A-8 PLN2 LS.dwg 04/07/21 - 1:28 PM

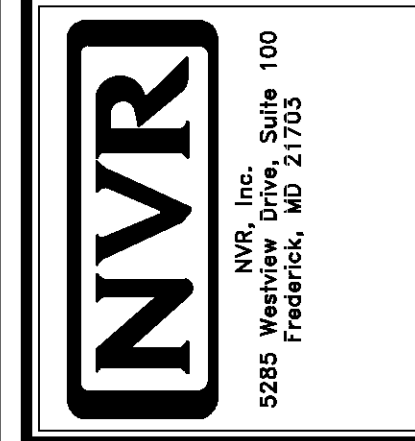


**BUILDING SECTION - FOYER**  
 SCALE: 1/4" = 1'-0"

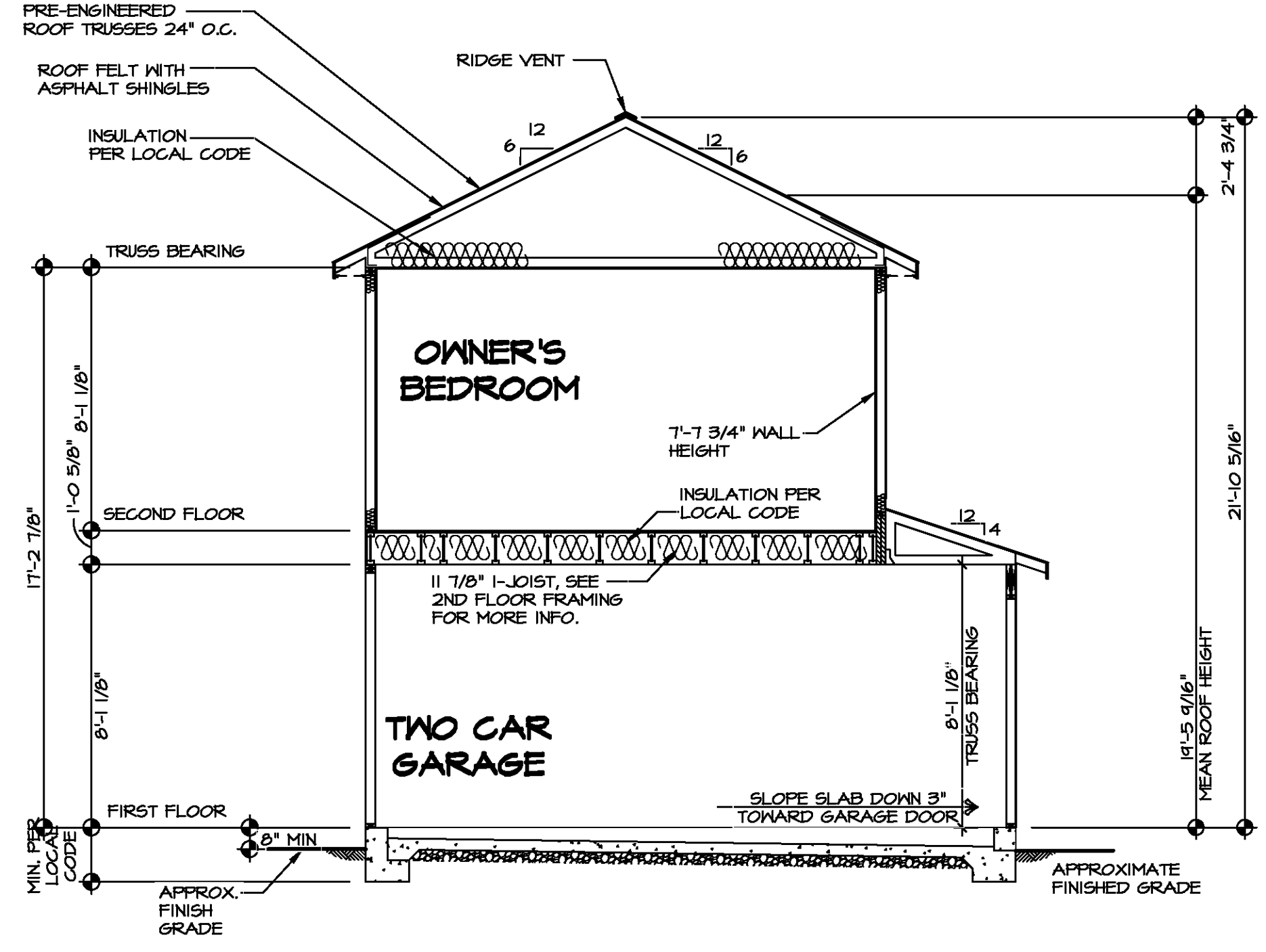


DIV-COMM-LOT-UNIT  
 COMM-LOT  
 STREET ADDRESS  
 CITY STATE ZIP

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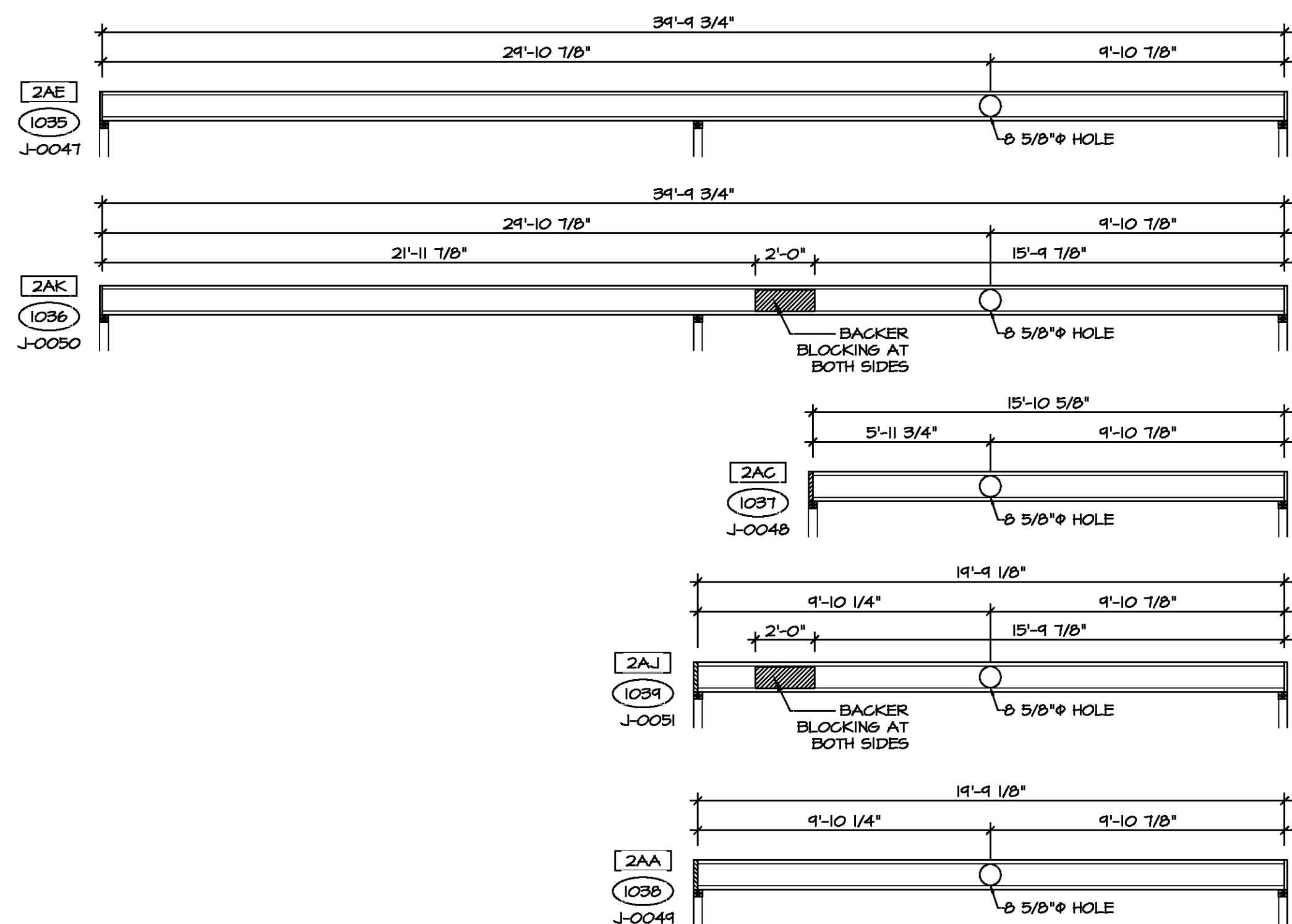


SHEET NO. <b>A-9</b>	MODEL <b>ASPEN</b>	SET NO. <b>ASPOO</b>	VERSION <b>01</b>
OPTION DESCRIPTION <b>  </b>	DRAWING TITLE <b>BUILDING SECTION - FOYER</b>	DRAWN BY	DATE:
		OPTION	



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

SHEET NO. <b>A-10</b>	MODEL <b>ASPEN</b>	SET NO. ASPOO VERSION 01	DIV-COMM-LOT-UNIT COMM-LOT
		DRAWING TITLE <b>BUILDING SECTION - GARAGE</b>	STREET ADDRESS CITY STATE ZIP
OPTION DESCRIPTION <b>12</b>	DATE: OPTION	© 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.	
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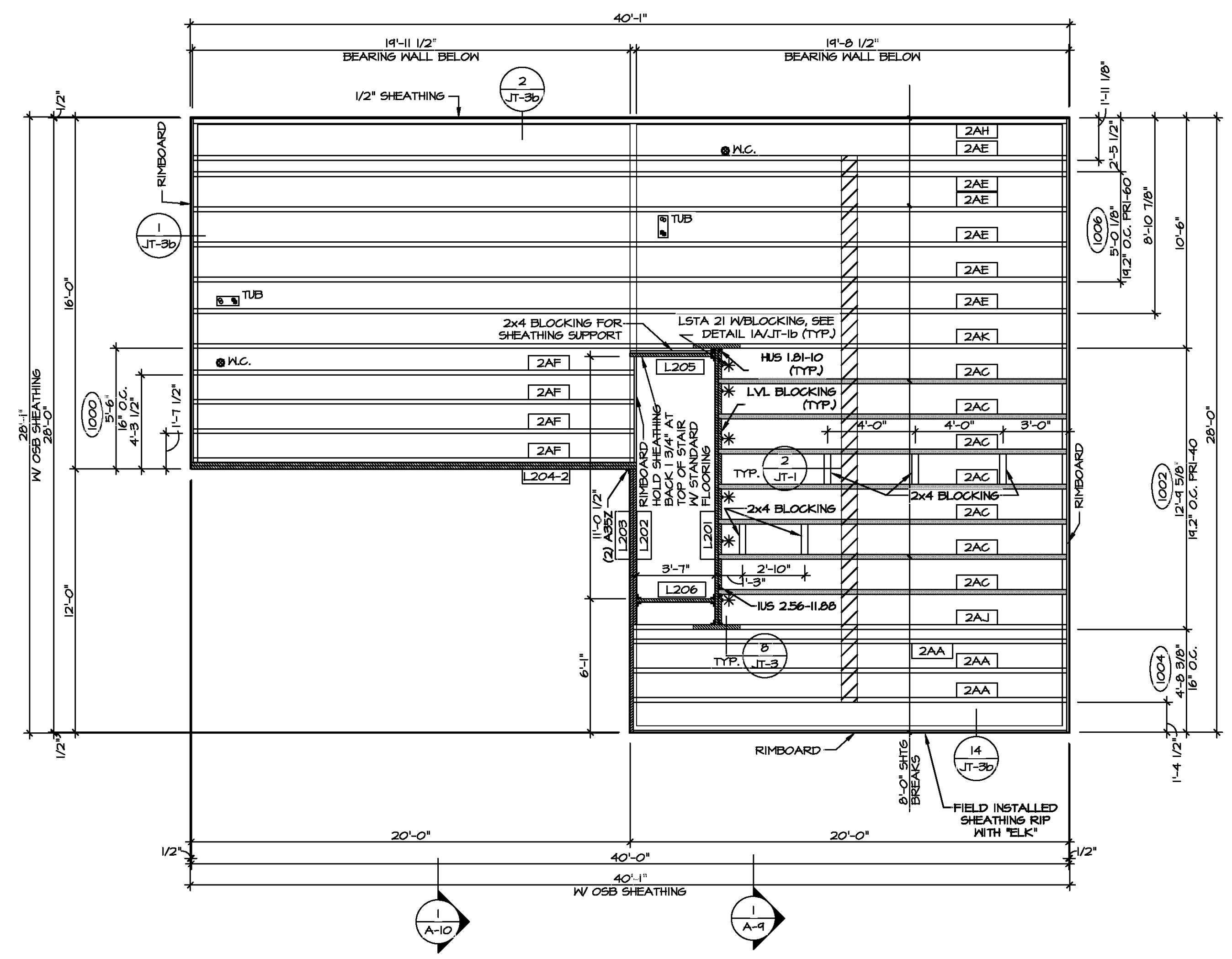
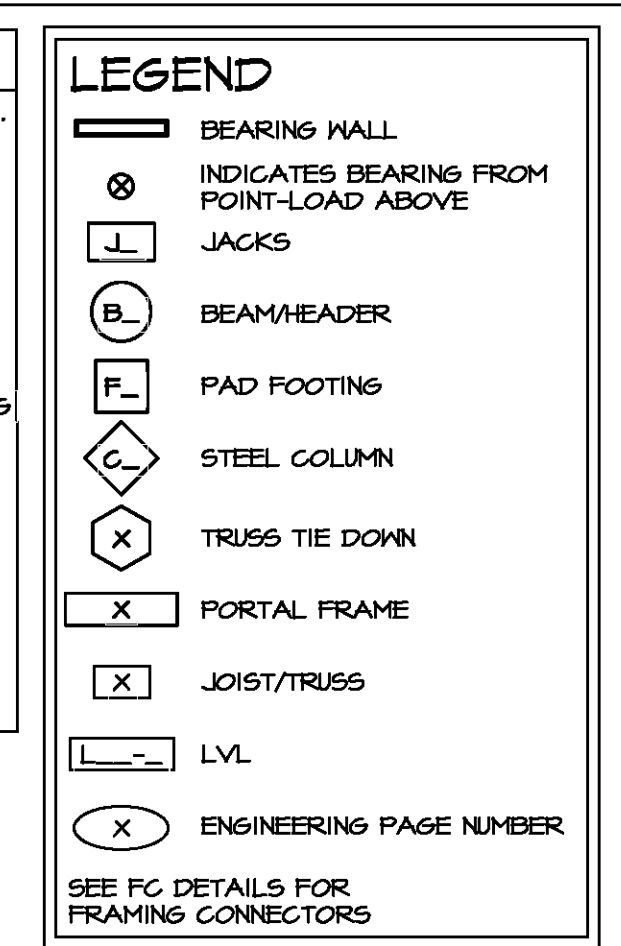
**2 HOLE JOIST CUT DETAILS**  
 5-2 SCALE: 1/4" = 1'-0"

SECOND FLOOR FRAMING LENGTH SCHEDULE				
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
2AA	FRI 60 - 11-14	19'-4 1/8"		J-0044
2AC	FRI 40 - 11-14	15'-10 5/8"		J-0048
2AE	FRI 60 - 11-14	34'-4 3/4"		J-0047
2AF	FRI 60 - 11-14	20'-1 1/4"		
2AH	FRI 60 - 11-14	34'-4 3/4"		
2AJ	FRI 60 - 11-14	19'-4 1/8"	1012	J-0051
2AK	FRI 60 - 11-14	34'-4 3/4"	1012	J-0050

SECOND FLOOR LVL LENGTH SCHEDULE				
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
L201	LVL 1.75 - 11-14	12'-7 1/8"	1010	
L202	LVL 1.75 - 11-14	7'-1 1/8"	1033	
L203	LVL 1.75 - 11-14	12'-0"	1033	
L204-2	LVL 1.75 - 1B	20'-3 1/2"	1016	2A
L205	LVL 1.75 - 11-14	3'-10 1/2"	1008	
L206	LVL 1.75 - 11-14	3'-7"	1008	

- LVL PLY TO PLY FASTENING SCHEDULE:** (WHERE APPLICABLE BASED ON LVL USAGE)
- 1A - (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.
  - 2A - (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.
  - 3A - (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.
  - 4A - (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.
  - 5A - (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.
  - 6A - (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.
  - 7A - (4) PLY (ALL SIZES); FASTEN PLYS W/ (2) ROWS 1/2" DIAMETER A307 BOLTS AT 24" O.C.
- SEE SHOP DRAWING FOR ADDITIONAL INFORMATION.

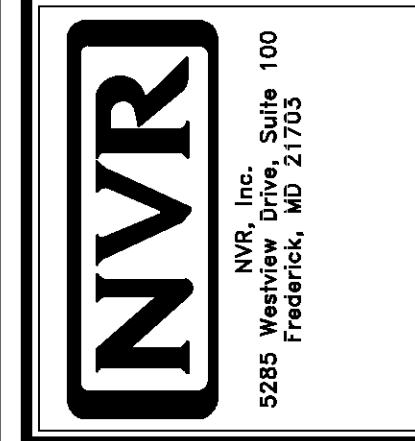
- I-JOIST FLOOR SYSTEM**
1. SUBFLOOR IS 3/4" TONGUE AND GROOVE OSB STANDARD.
  2. JOIST LENGTHS SHIPPED IS THE NEXT HIGHEST LENGTH TO CUT FROM.
  3. ALL RIMBOARD TO BE 1-1/8" THICK U.N.O.
  4. REFER TO STANDARD DETAIL 7/JT-3 FOR HOLE CUTTING GUIDELINES.
  5. PROVIDE RIMBOARD SOLID BLOCKING AT EXTERIOR WALLS AND BELOW ALL JACKS AS REQUIRED.
  6. REFER TO DETAIL 8/JT-3 FOR HANGER DETAIL.
  7. ALL JOISTS TO BE FRI40, FRI60 OR FRI80, REFERENCE SCHEDULE FOR SPECIFIC SERIES PER MEMBER. A. FRI40 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.



**1 SECOND FLOOR FRAMING PLAN**  
 5-2 SCALE: 1/4" = 1'-0"

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

I hereby certify that the information furnished on this drawing is true and correct to the best of my knowledge and belief, and that I am a duly licensed professional engineer in the State of Maryland.



MODEL: ASPEN  
 DRAWING TITLE: SECOND FLOOR JOIST LAYOUT  
 SHEET NO.: S-2  
 OPTION DESCRIPTION: 20

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	16405	16'-0"	6/12	COMMON
AD	SE	16406	4'-0"	4/12	MONO
AE	SE	16407	3'-10 1/2"	4/12	MONO
AF	SE	16408	28'-0"	6/12	COMMON
AG	SE	16409	28'-0"	6/12	SPECIAL
AH	SE	16410	28'-0"	6/12	GABLE END
AJ	SE	16411	28'-0"	6/12	GABLE END
AK	SE	16401	16'-0"	6/12	GABLE END
V01	VT	01261	2'-0"	12-6/12	VALLEY
V02	VT	01262	4'-0"	12-6/12	VALLEY
V03	VT	01263	6'-0"	12-6/12	VALLEY
V04	VT	01264	8'-0"	12-6/12	VALLEY
V05	VT	05403	8'-6"	12-6/12	VALLEY

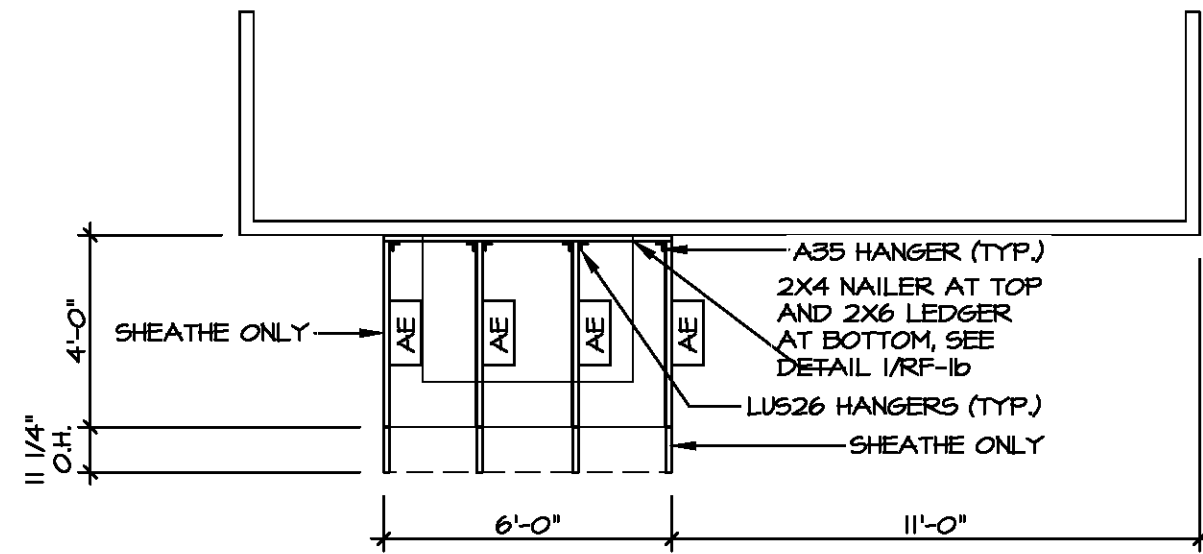
FIELD INSTALLED ROOF FRAMING BEAM/HEADER SCHEDULE				
IDENTIFIER	DESCRIPTION	LENGTH	ENG. NUM.	REMARKS
B301	BEAM BUILT 2X8 - 2 PLY RFF	6'-0"	1023	

### ROOF FRAMING NOTES

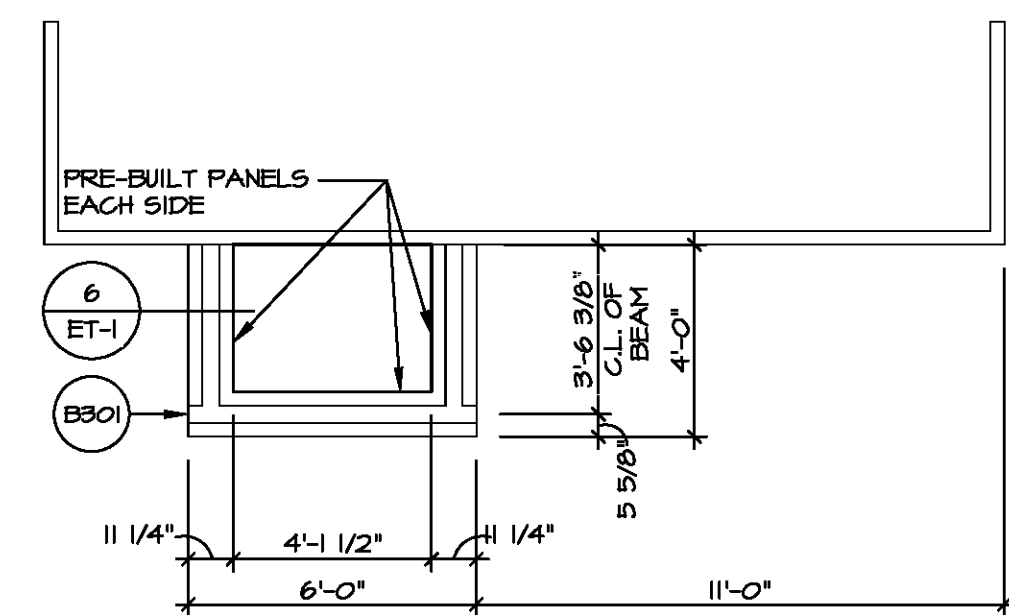
- REFER TO THE STANDARD DETAILS FOR THE FOLLOWING:
  - TRUSS TIE-DOWNS (1/RF-1)
  - PIGGYBACK TRUSS ATTACHMENT (2/RF-1)
  - VALLEY GABLE TRUSS BRACING (3/RF-1)
  - GABLE BRACING (1/RF-1c)
  - TRUSS BRACING (2/RF-1c)
  - LIFELINE ATTACHMENT (5/RF-1)
  - FALL PROTECTION ON PLATFORM TRUSSES (11/RF-1)
- IF TRUSS DOES NOT APPEAR ON THE TRUSS BRACING SHEET, NO ADDITIONAL LATERAL BRACING REQUIRED.

### LEGEND

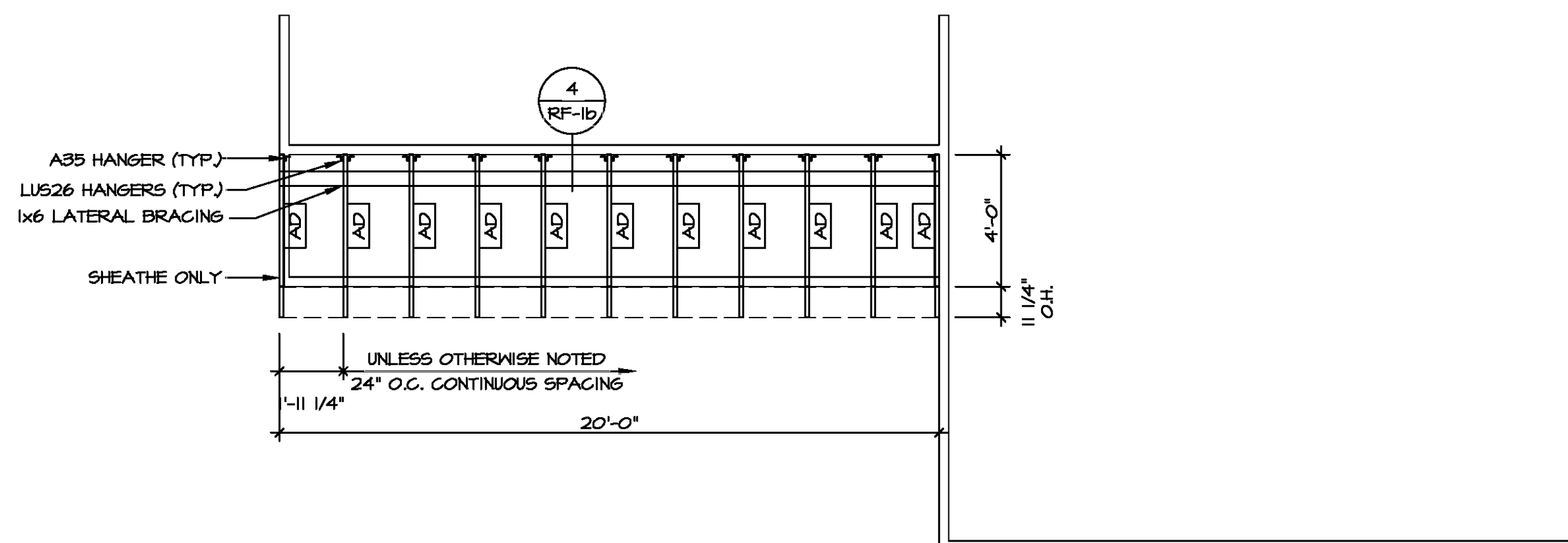
- BEARING WALL
  - NON BEARING WALL
  - INDICATES BEARING FROM POINT-LOAD ABOVE
  - JACKS
  - BEAM/HEADER
  - PAD FOOTING
  - STEEL COLUMN
  - TRUSS TIE DOWN
  - PORTAL FRAME
  - JOIST/TRUSS
  - LVL
  - ENGINEERING PAGE NUMBER
- SEE FC DETAILS FOR FRAMING CONNECTORS



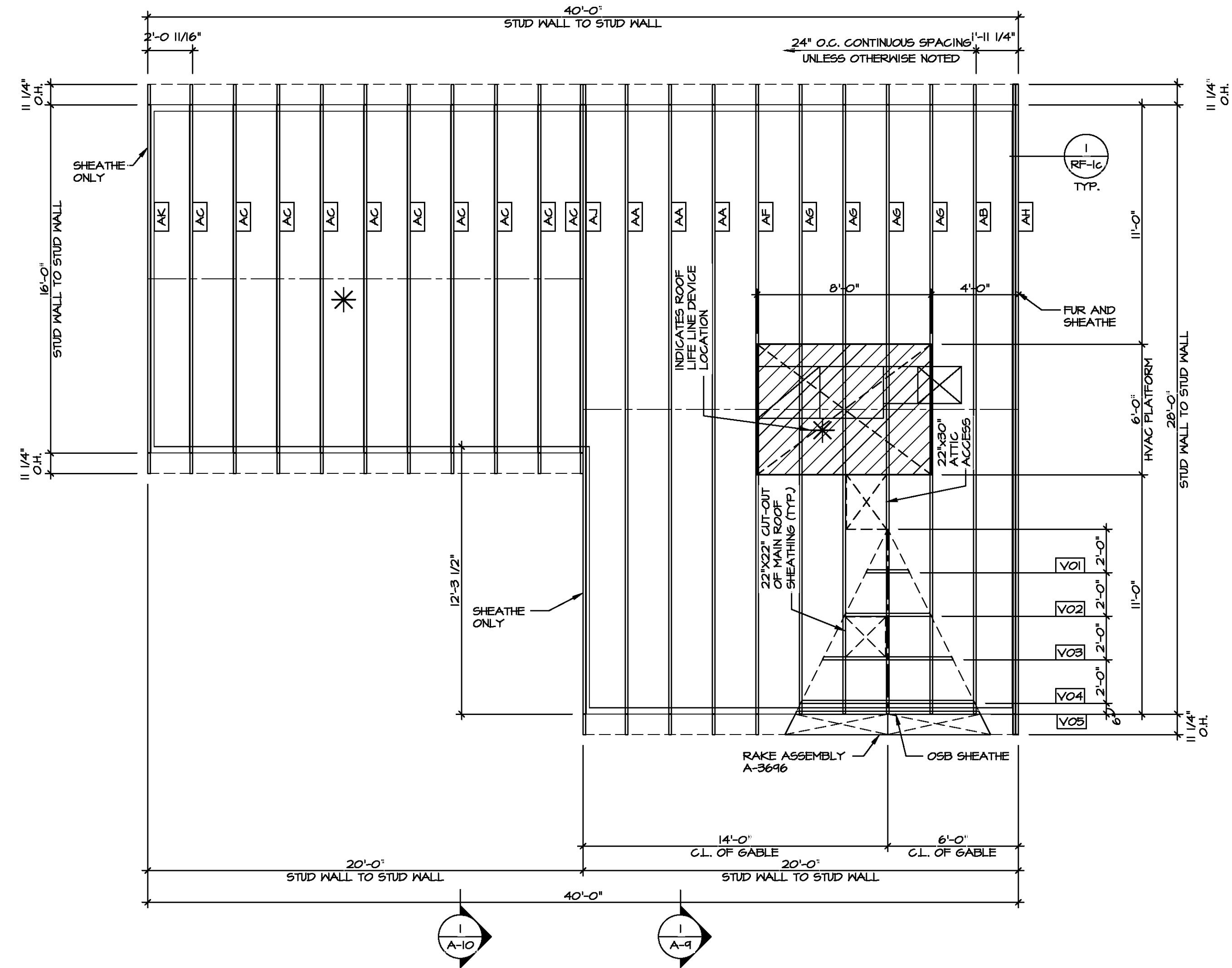
3 PARTIAL ROOF FRAMING  
SCALE: 1/4" = 1'-0"



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



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



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

DIV-COMM-LOT-UNIT

COM-LOT

STREET ADDRESS

CITY

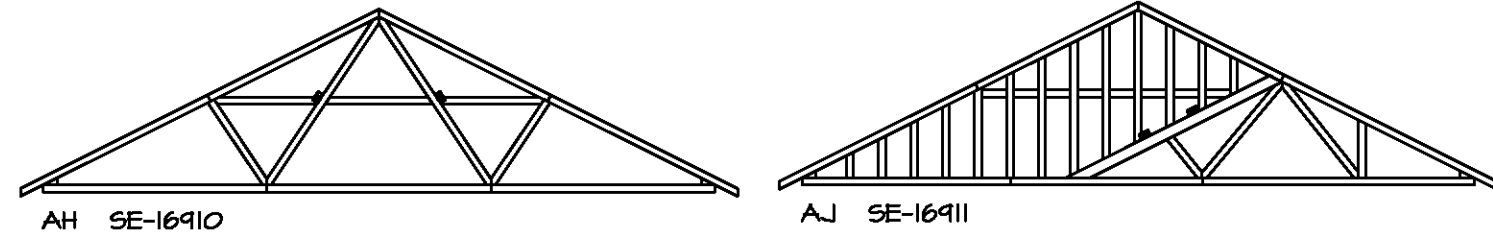
STATE

APT. NO.

ZIP

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



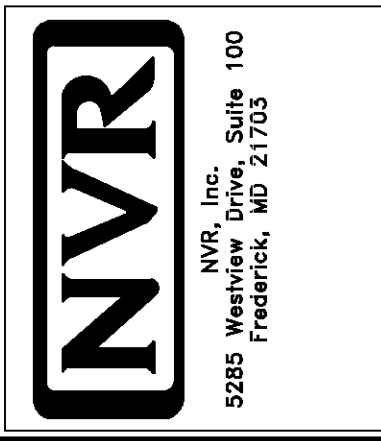
**TRUSS BRACING DETAILS**  
SCALE: 1/4" = 1'-0"

- TRUSS BRACING NOTES**
- IF TRUSS DOES NOT APPEAR ON THIS TRUSS BRACING SHEET, NO ADDITIONAL LATERAL BRACING IS REQUIRED.
  - 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.
  - WEB "T" BRACE, DETAIL 5/RF-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.
  - DIAGONAL BRACING REQUIRED WHEN LATERAL BRACING IS REQUIRED (1/RF-1)
  - STUDDED GABLE BRACING DETAIL 1/RF-1c TO BE UTILIZED FOR TRUSSES 6'-4" IN HEIGHT OR GREATER.
  - PARTIALLY SHEATHED GABLES, SEE 5/RF-1c FOR "L" BRACING WHEN REQUIRED.
  - LATERAL BRACING CAN BE APPLIED TO EITHER SIDE OF THE WEB MEMBER IDENTIFIED IN THE DRAWING.
  - SHEATHING (OSB OR GYPSUM) REPLACES LATERAL AND DIAGONAL TRUSS BRACING.



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

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



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/MB-2)
LIB	LET-IN BRACINGS (SEE STANDARD DETAIL F / WB-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 / WB-2)
CS-G	CONTINUOUS SHEATHING - WOOD STRUCTURAL PANEL ADJACENT TO GARAGE OPENINGS
○	HOLD-DOWN

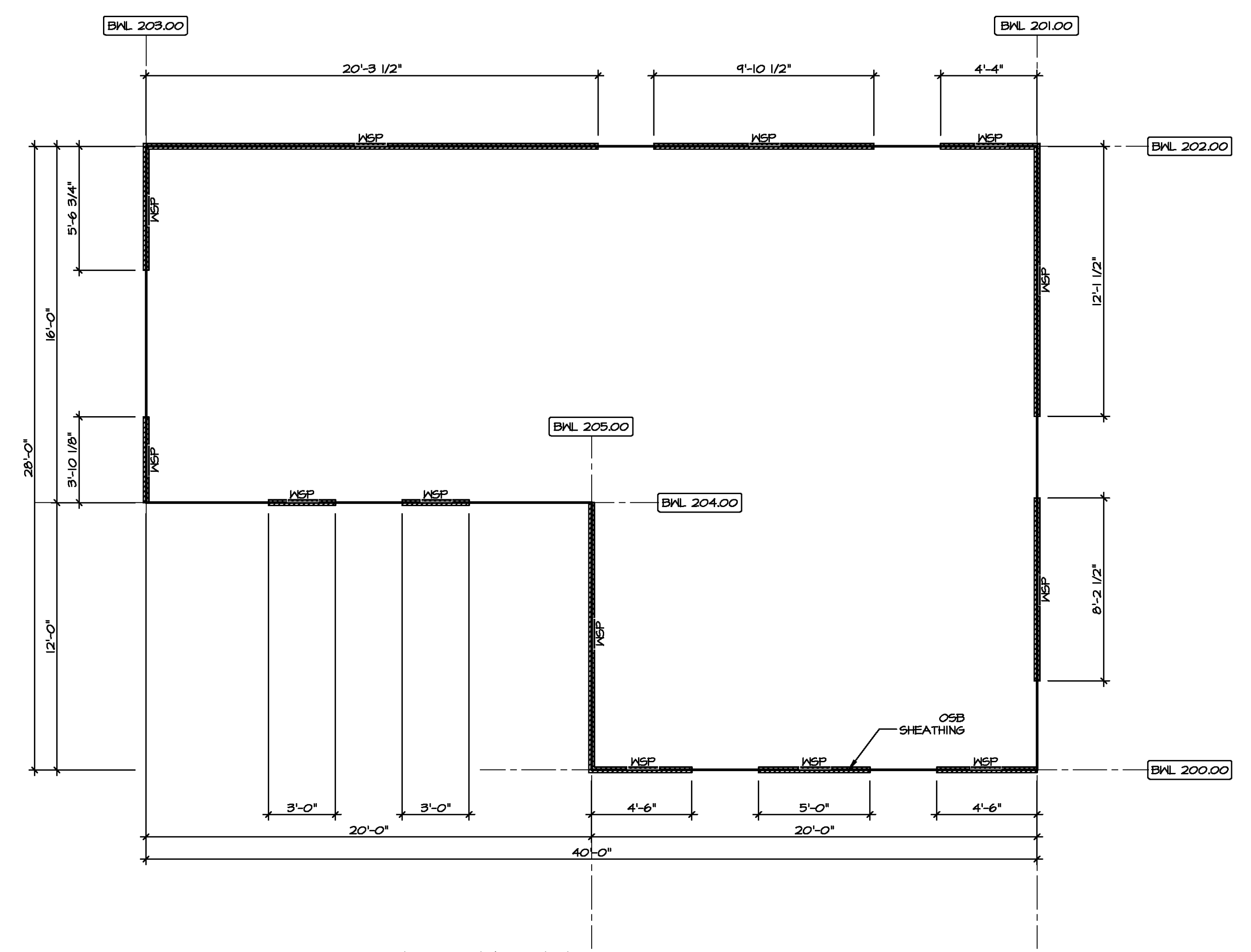
NOTES:  
 1. SEE SHEET WB-2 "P..." INDICATOR SCHEDULE AND DETAILS  
 2. ARROW INDICATES LOCATION

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

FASTENING SCHEDULE			
SHEATHING	FASTENER	SPACING	
		EDGES	FIELD
7/16" 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-BW-2)	1-1/4" LONG, 1/4" HEAD, 0.018" 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.

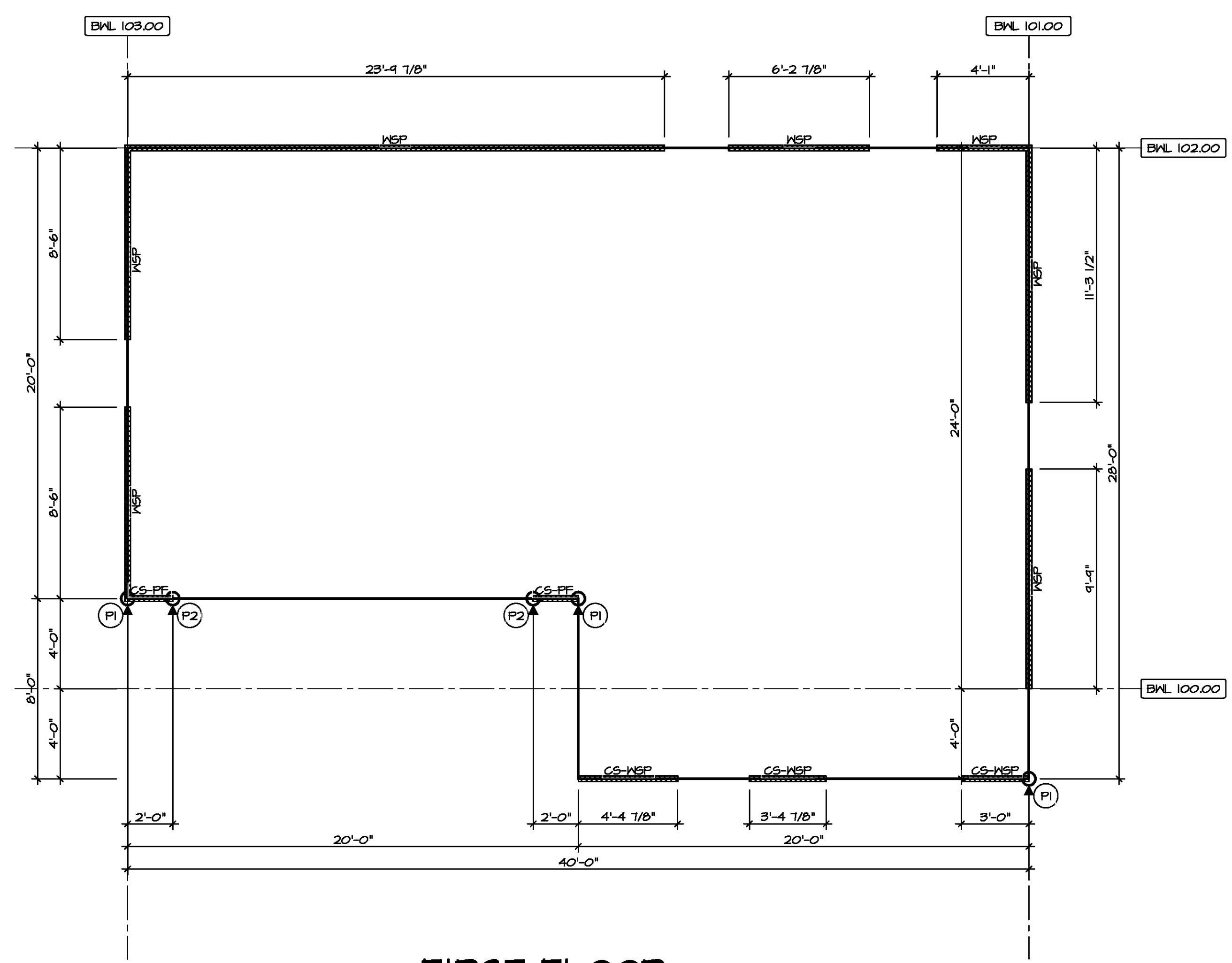
NOTES:  
 1. MINIMUM 7/16" CROWN WIDTH FOR STAPLES IN WOOD STRUCTURAL PANEL.  
 2. SPECIFIED GYPSUM FASTENING REQUIRED ONLY WHERE METHOD GB IS IDENTIFIED. SEE PHASE SPECS FOR TYPICAL GYPSUM FASTENER SPACING.  
 3. USE OF STAPLES IN WOOD STRUCTURAL PANEL AS FASTENING METHOD ON WALLS PER ENGINEERED ALTERNATIVE.

BRACED WALL LINE SCHEDULE				
WIND SPEED (ULT)	IDENTIFIER	ACTUAL (FT)	REQUIRED (FT)	METHOD
130 MPH	BWL 100.00	16.81'	8.15'	CONTINUOUS (2 SIDES)
130 MPH	BWL 101.00	21.04'	14.78'	WSP (2 SIDES)
130 MPH	BWL 102.00	34.15'	9.62'	WSP (2 SIDES)
130 MPH	BWL 103.00	17.00'	14.16'	WSP (2 SIDES)
130 MPH	BWL 200.00	14.00'	5.10'	WSP (2 SIDES)
130 MPH	BWL 201.00	24.33'	7.14'	WSP (2 SIDES)
130 MPH	BWL 202.00	34.50'	5.51'	WSP (2 SIDES)
130 MPH	BWL 203.00	19.46'	5.76'	WSP (2 SIDES)
130 MPH	BWL 204.00	4.30'	3.02'	WSP (2 SIDES)
130 MPH	BWL 205.00	12.00'	5.10'	WSP (2 SIDES)



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

**SECOND FLOOR  
 BRACED WALL DETAIL**



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

**FIRST FLOOR  
 BRACED WALL DETAIL**

MODEL: ASPEN  
 DRAWING TITLE: BRACED WALL PANEL DETAIL  
 SHEET NO.: S-5  
 OPTION DESCRIPTION: 2B

SET NO. ASPOO  
 VERSION: 01  
 DRAWN BY:  
 DATE:  
 OPTION:

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

VA-18-5012-185A ASDA 2021 1stHdlf-Complete RWH DETACHED ASPEN\_ASPOO-01 VEIK-R-06-010A 23 S-5 WSH16-LS-SOK-SRW.dwg 07/07/21 - 1:28 PM