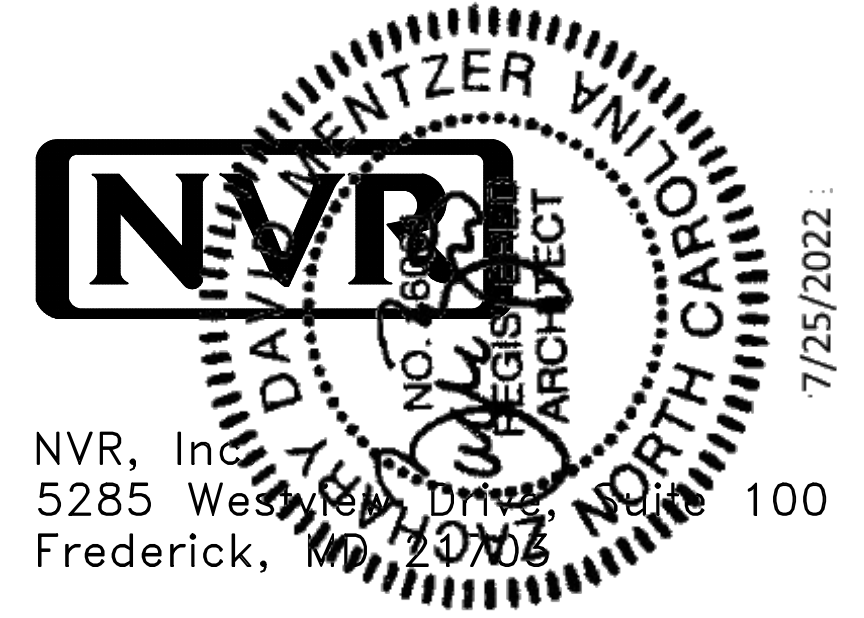


ASPEN

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



NVR, Inc.
5285 Westview Drive, Suite 100
Frederick, MD 21706

| | SLAB FOUNDATION | | | | | | | | | | STANDARD DETAILS |
|-----------------------------------|-----------------|--|--|--|--|--|--|--|--|--|------------------|
| | STD. DNGS. | | | | | | | | | | |
| SPEC SHEET | SS-1 | | | | | | | | | | AD-1 |
| ROOF VENT AND VOLUME CALCULATIONS | CA-1 | | | | | | | | | | DR-1 |
| ELEVATIONS | 4 | | | | | | | | | | DR-1b |
| FOUNDATIONS | 5 | | | | | | | | | | ET-1 |
| FOUNDATION HOLD DOWNS | 6 | | | | | | | | | | ET-1b |
| PLUMBING | 7 | | | | | | | | | | ET-1c |
| FIRST FLOOR PLAN | 4 | | | | | | | | | | ET-1d |
| SECOND FLOOR PLAN | 10 | | | | | | | | | | F-1 |
| BUILDING SECTIONS | 11/12 | | | | | | | | | | F-1b |
| 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) | 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 |

U:\As-Sold\2-Jobs\ASD\2022 2ndHalf-Complete\RLA\DETACHED\ASPEN\ASPEN_ASPOO_01\ELK_P_06_0159\CS-1 COVER SHEET.rwg 08/04/22 - 2:24 pm



ROOF VENTILATION CALCULATIONS

| | |
|--------------------|--|
| HOUSE NAME | ASPEN |
| HOUSE VERSION | ASP00-01 |
| PRODUCT LINE | RYANHOMES |
| VENTILATION VALUES | SOFFIT: 9.0 sq. in. of vent per ft. RIDGE: 18 sq. in. of vent per ft. 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 | Decrease ridge |
| | NO | NO | FAIL | Increase total vent |

| ELEVATION "A & K" | | | | | | | | | | | | | | |
|--------------------|--------------------|--------------------------|--------------------------|------------------|-----------------------|-----------------|----------------------------------|--------------------------|-----------------|----------|----------|-----------------------|-------------------|-------|
| Location / Options | Area (A) (sq. ft.) | Required A/300 (sq. ft.) | Required A/300 (sq. ft.) | Soffit (sq. ft.) | Soffit Vent (sq. ft.) | Ridge (sq. ft.) | Upper Box / Gable Vent (sq. ft.) | Lower Box Vent (sq. ft.) | TOTAL (sq. ft.) | OK A/300 | OK A/300 | A/300 % vent at ridge | A/300 40%-50% OK? | Notes |
| Main House Roof | 126.720 | 84.80 | 42.40 | 76.54 | 688.54 | 180.00 | 180.00 | 0.00 | 878.54 | YES | N/A | N/A | N/A | |
| Garage Roof | 115.200 | 76.80 | 38.40 | 20 | 198.00 | 0.00 | 0.00 | 0.00 | 198.00 | YES | N/A | N/A | N/A | |

| ELEVATION "B & L" | | | | | | | | | | | | | | |
|--------------------|--------------------|--------------------------|--------------------------|------------------|-----------------------|-----------------|----------------------------------|--------------------------|-----------------|----------|----------|-----------------------|-------------------|-------|
| Location / Options | Area (A) (sq. ft.) | Required A/300 (sq. ft.) | Required A/300 (sq. ft.) | Soffit (sq. ft.) | Soffit Vent (sq. ft.) | Ridge (sq. ft.) | Upper Box / Gable Vent (sq. ft.) | Lower Box Vent (sq. ft.) | TOTAL (sq. ft.) | OK A/300 | OK A/300 | A/300 % vent at ridge | A/300 40%-50% OK? | Notes |
| Main House Roof | 126.720 | 84.80 | 42.40 | 41.01 | 613.80 | 180.00 | 180.00 | 0.00 | 803.80 | NO | YES | 42.61% | OK | |
| Garage Roof | 115.200 | 76.80 | 38.40 | 20 | 198.00 | 0.00 | 0.00 | 0.00 | 198.00 | YES | N/A | N/A | N/A | |



HOUSE VOLUME CALCULATIONS

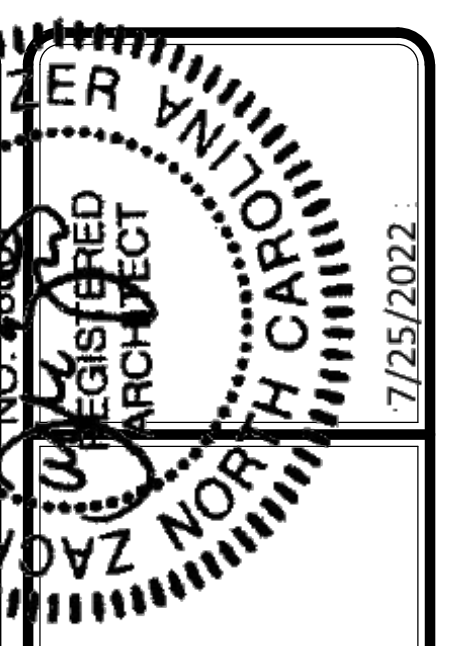
| | |
|---------------|-----------|
| HOUSE NAME | ASPEN |
| HOUSE VERSION | ASP00-01 |
| PRODUCT LINE | RYANHOMES |

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 -----

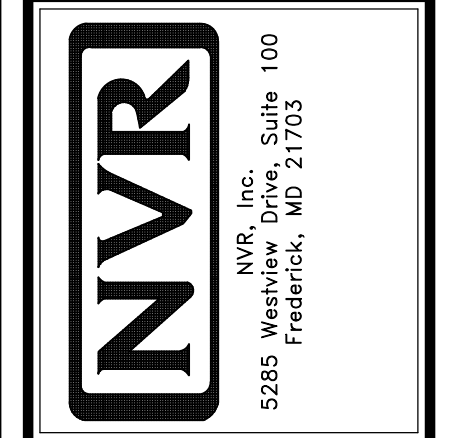
COMM-LOT -----

STREET ADDRESS -----

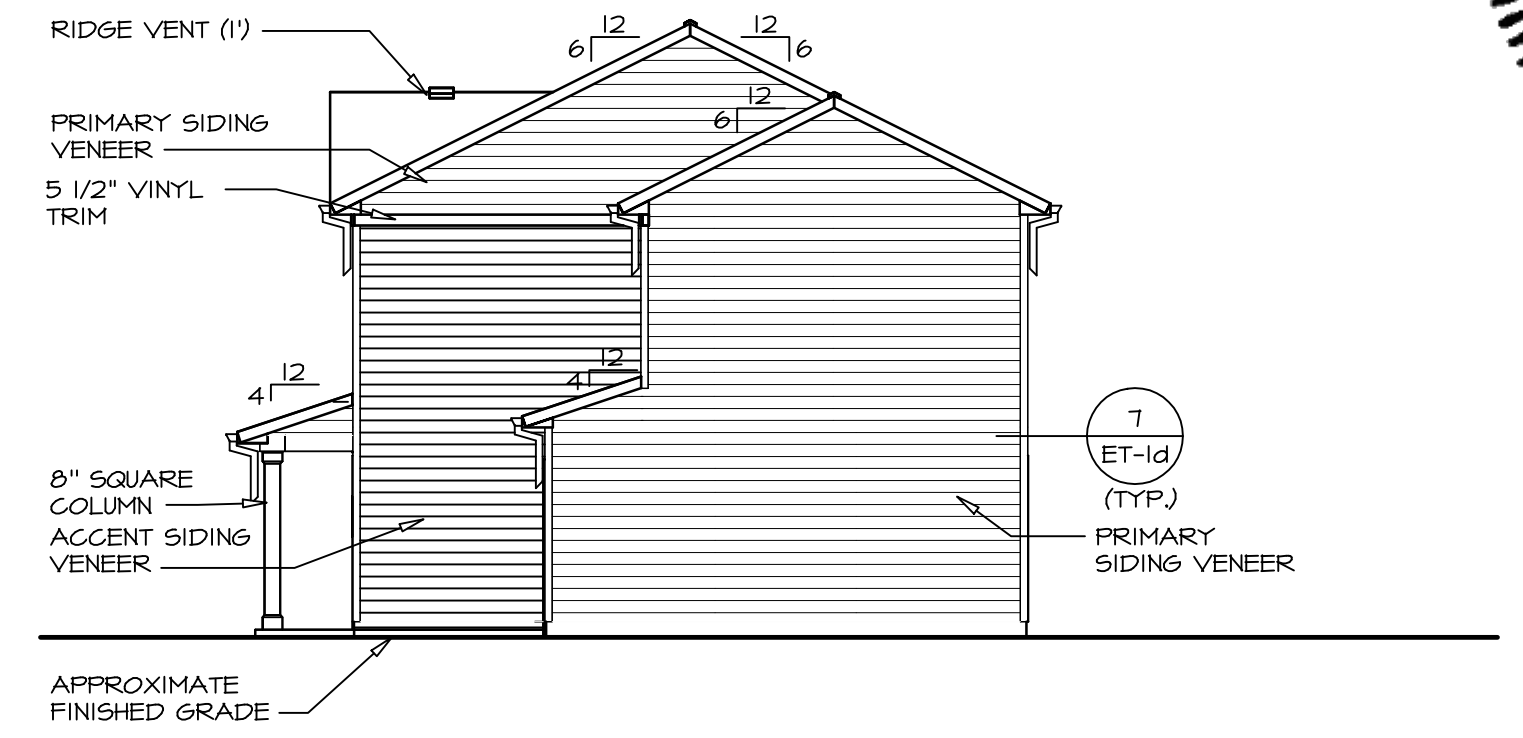
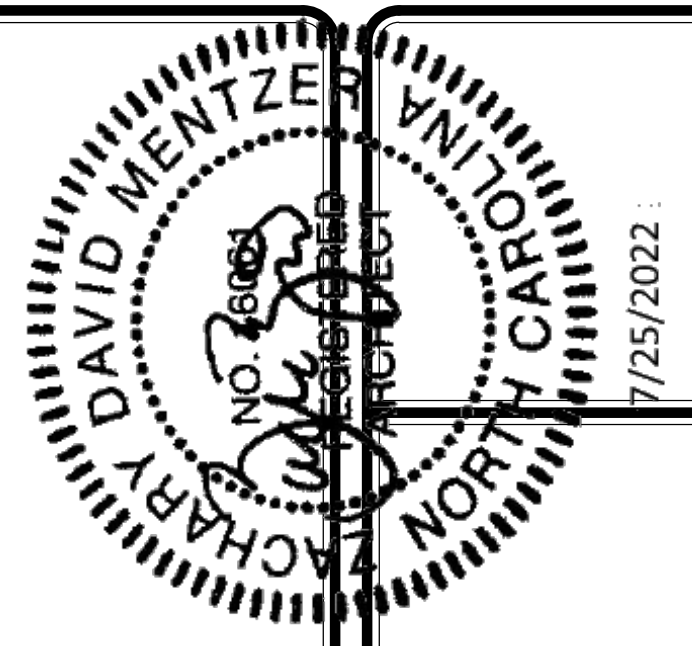
CITY ----- STATE ----- ZIP -----

APT. NO. -----

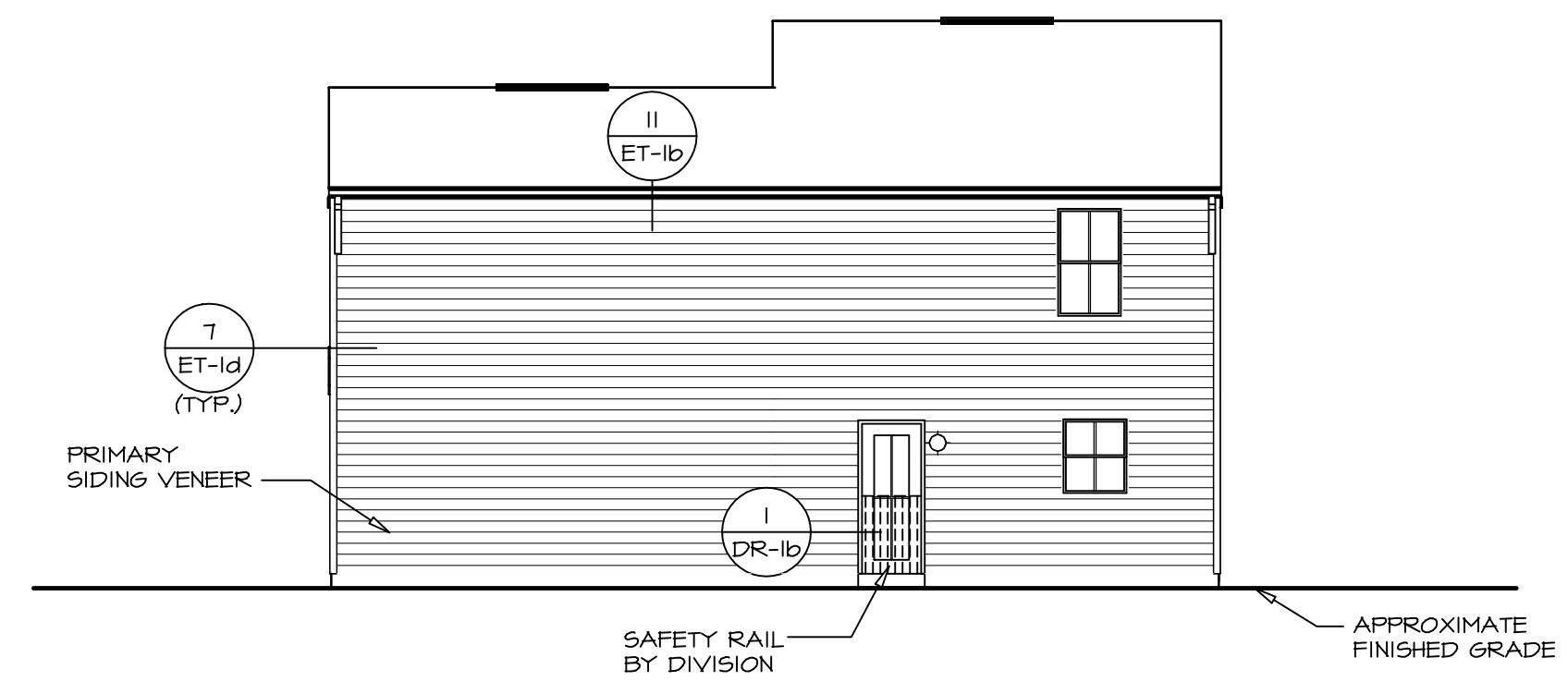
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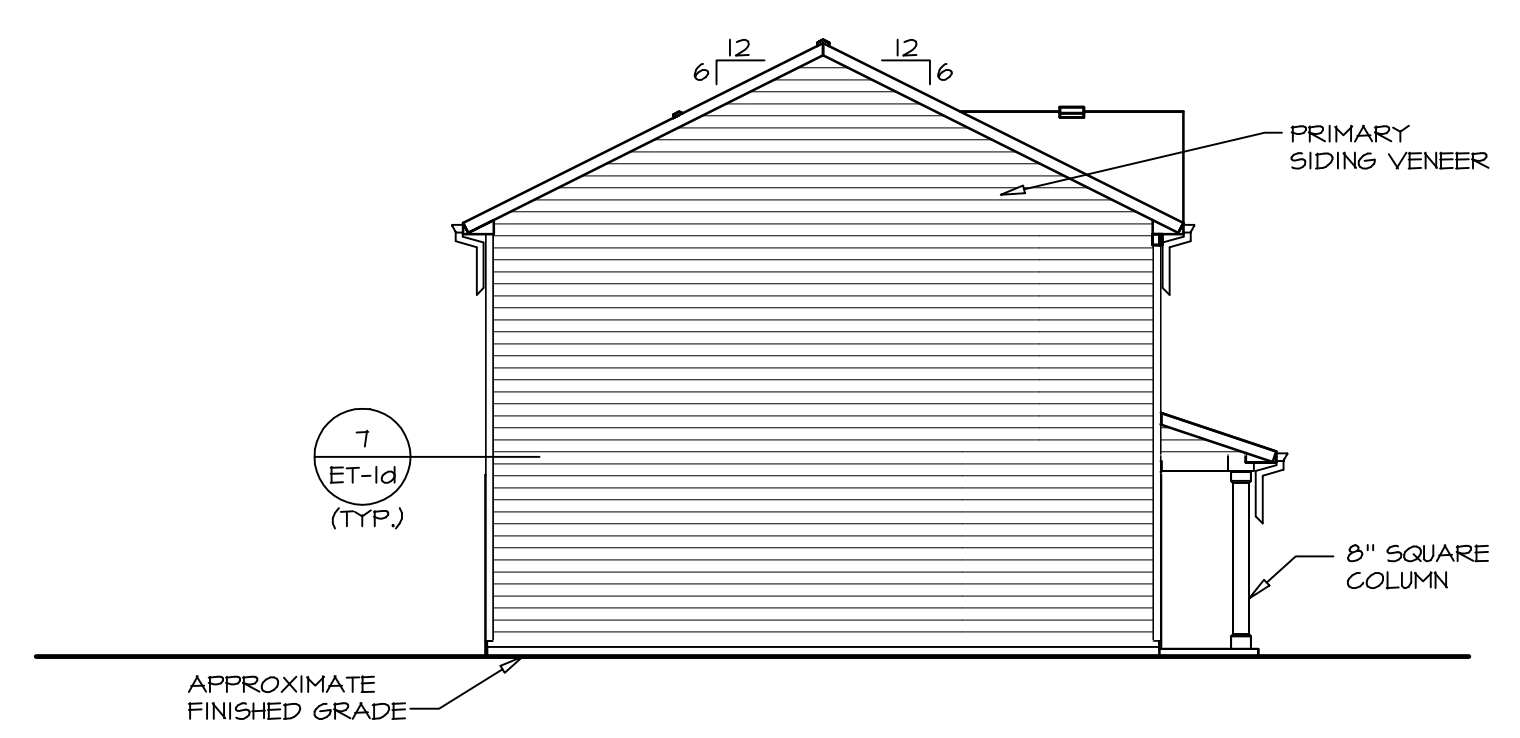
| | |
|--------------------|-------|
| MODEL | ASPEN |
| DRAWING TITLE | CA-1 |
| OPTION DESCRIPTION | ----- |
| SET NO. ASP00 | 01 |
| VERSION | 01 |
| DRAWN BY | |
| DATE | |
| OPTION | |



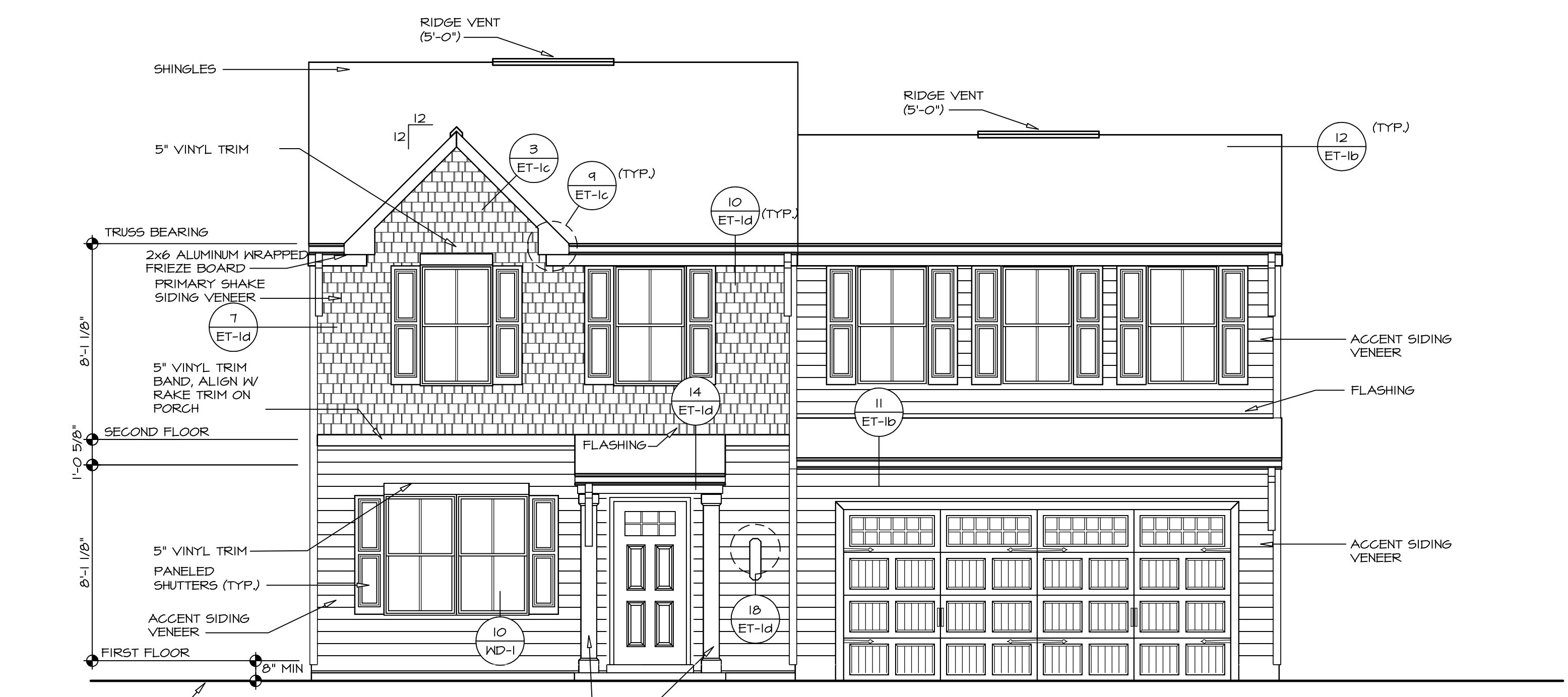
2 RIGHT ELEVATION
SCALE: 1/8" = 1'-0"



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



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



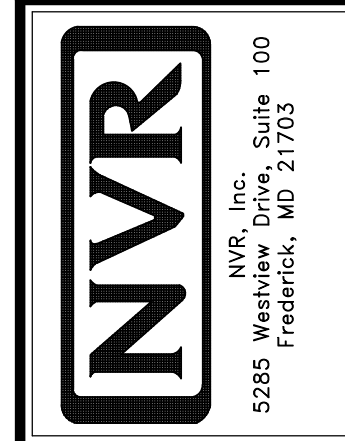
1 FRONT ELEVATION "K"
SCALE: 1/4" = 1'-0"

ENTRY DOOR TRIM
HEAD - BRICK MOULD (4/DR-1)
SIDES - BRICK MOULD (5/DR-1)
SILL - 5/4x8 TRIM RIPPED

GARAGE DOOR TRIM
HEAD - 3.5" VINYL TRIM (7/DR-1)
SIDES - 3.5" VINYL TRIM (8/DR-1)

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

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| | |
|--------------------|-----------------|
| SET NO. | ASFOO |
| VERSION | 01 |
| DRAWN BY | |
| DATE: | |
| OPTION | FSA |
| MODEL | ASPEN |
| DRAWING TITLE | ELEVATIONS |
| OPTION DESCRIPTION | SLAB FOUNDATION |
| SHEET NO. | A-1 |
| | 4 |

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 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

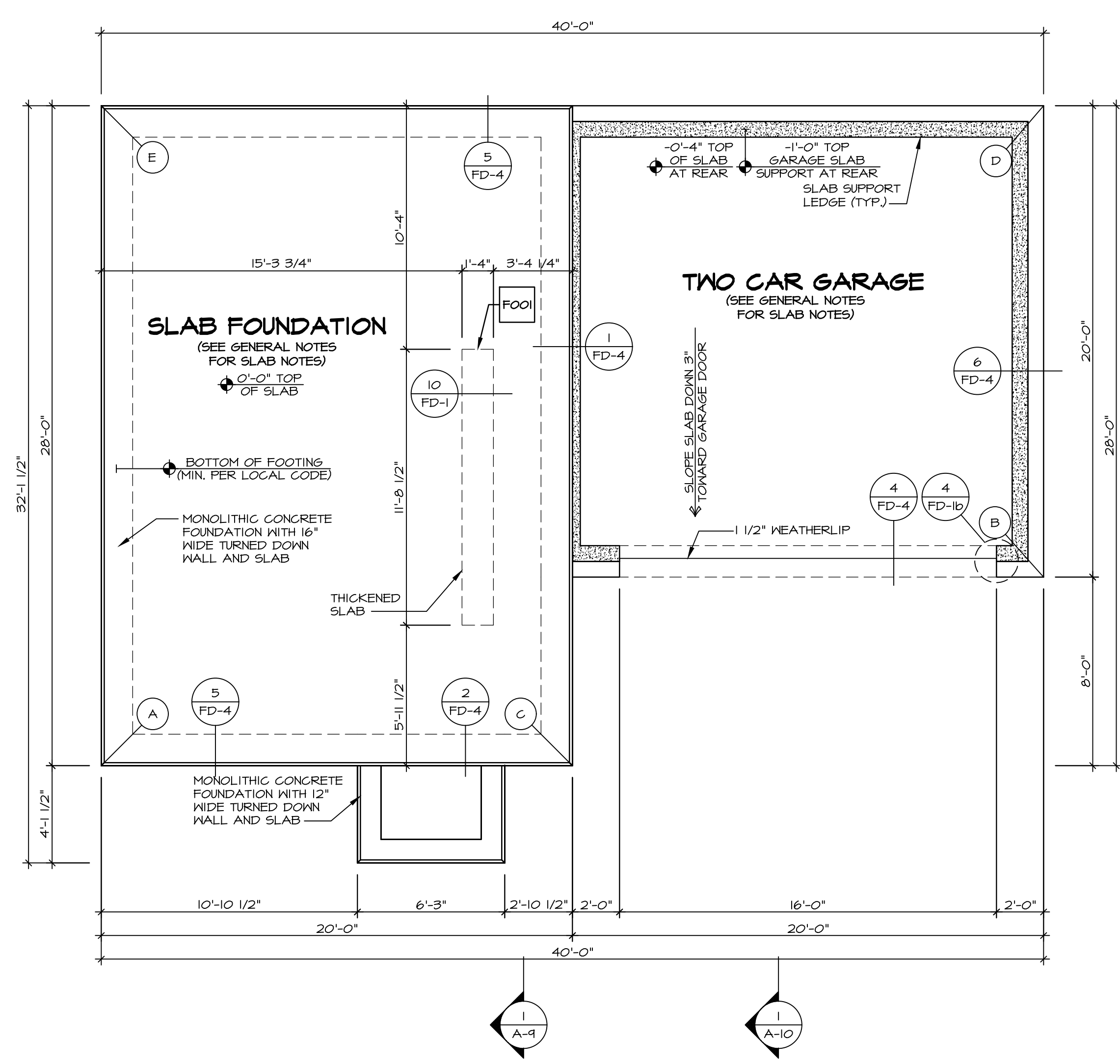
SEE FG DETAILS FOR FRAMING CONNECTORS

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" |

PAD FOOTING SCHEDULE

| IDENTIFIER | LENGTH | WIDTH | HEIGHT | ENS. NUM. | REMARKS |
|------------|------------|-------|--------|-----------|---------|
| FOOI | 11'-8 1/2" | 1'-4" | 0'-8" | 50001 | |



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

7/25/2022

JACHARIAN ENGINEERING & ARCHITECTURE
NO. 2608
10000 W. NORTH CAROLINA

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

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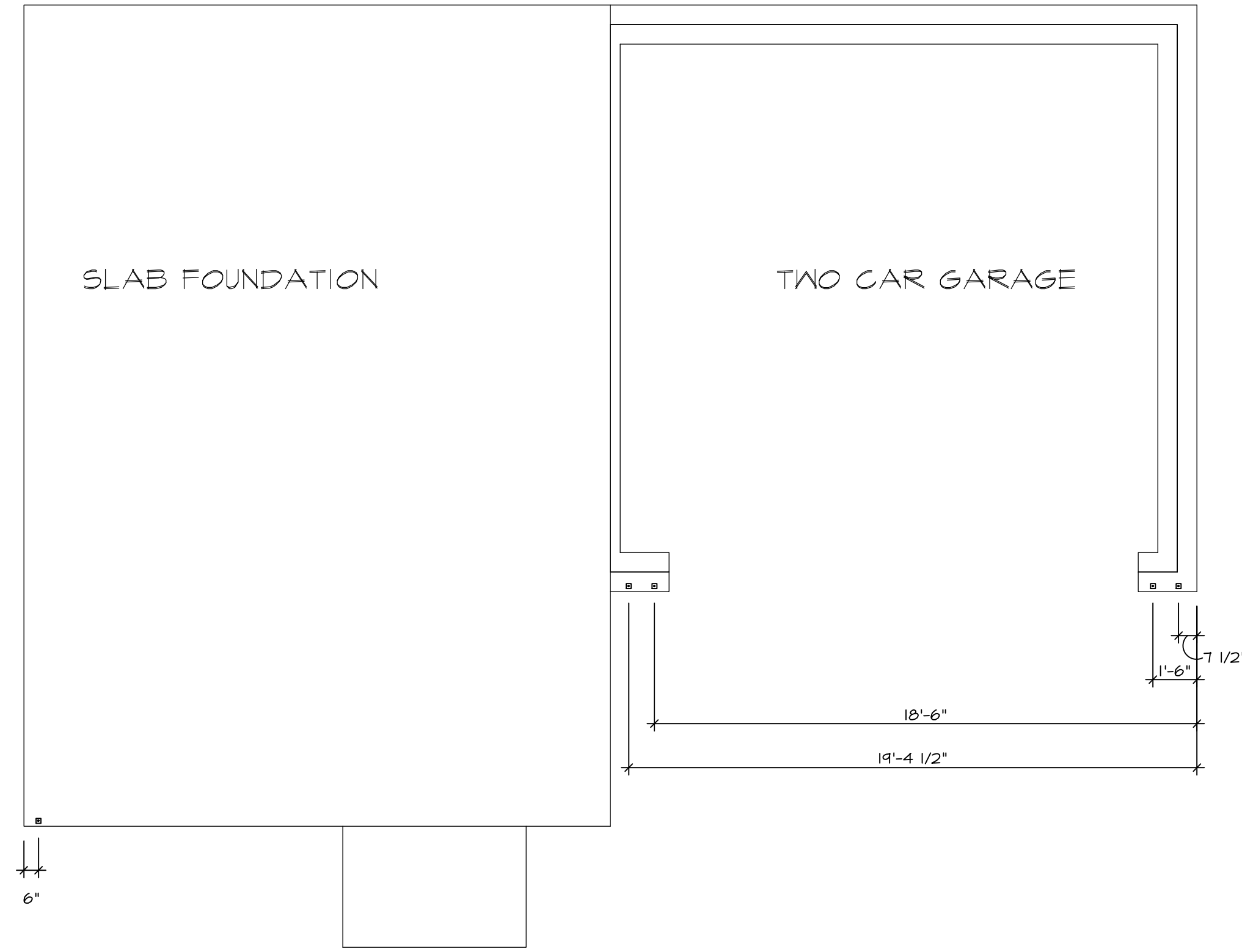
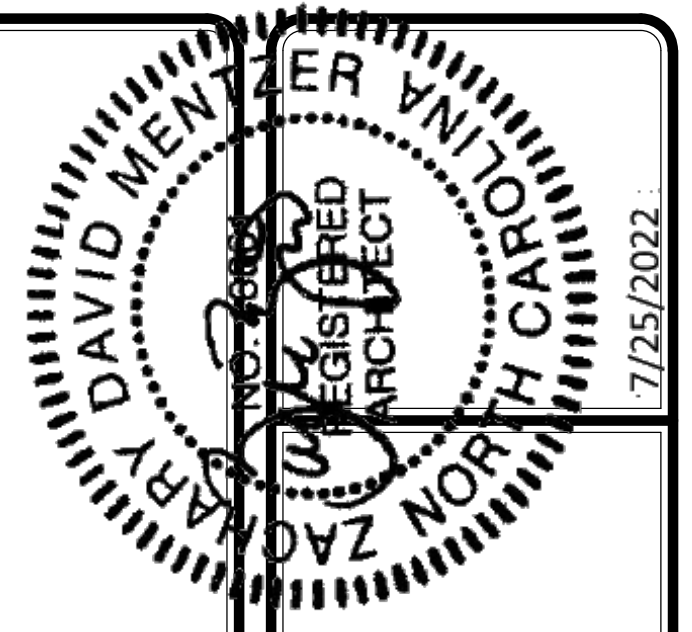
NVR
NVR, Inc., Suite 100
5285 Westwood, MD 21703
Frederick, MD 21703

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

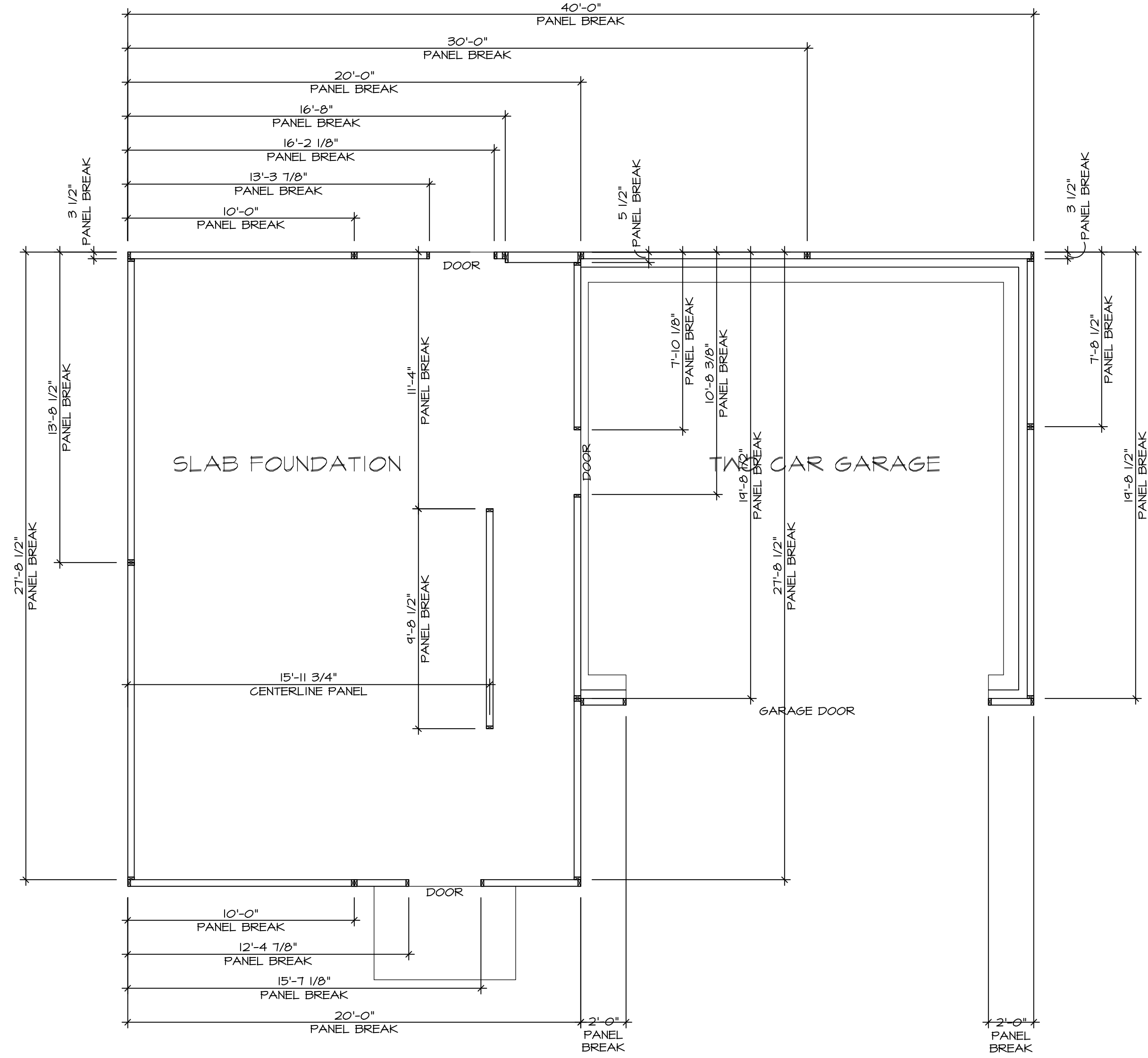
MODEL: ASPEN
DRAWING TITLE: FOUNDATION PLAN
OPTION DESCRIPTION: SLAB FOUNDATION

SHEET NO. A-3
5

U:\As-Solc\2-Jobs\ASD\2022_2ndHalf-Complete\Rich\DETACHED\ASPEN_ASFOO_01\ELK_P_06_0159_5_A-3_FDN_LS_(ESA).dwg 08/04/22 - 2:24 PM



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

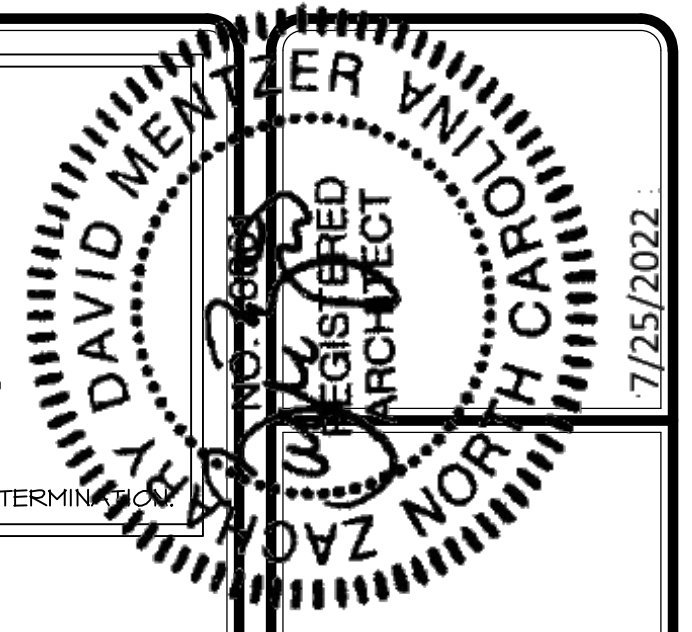


2 PANEL BREAK DETAILS
SCALE: 1/4" = 1'-0"

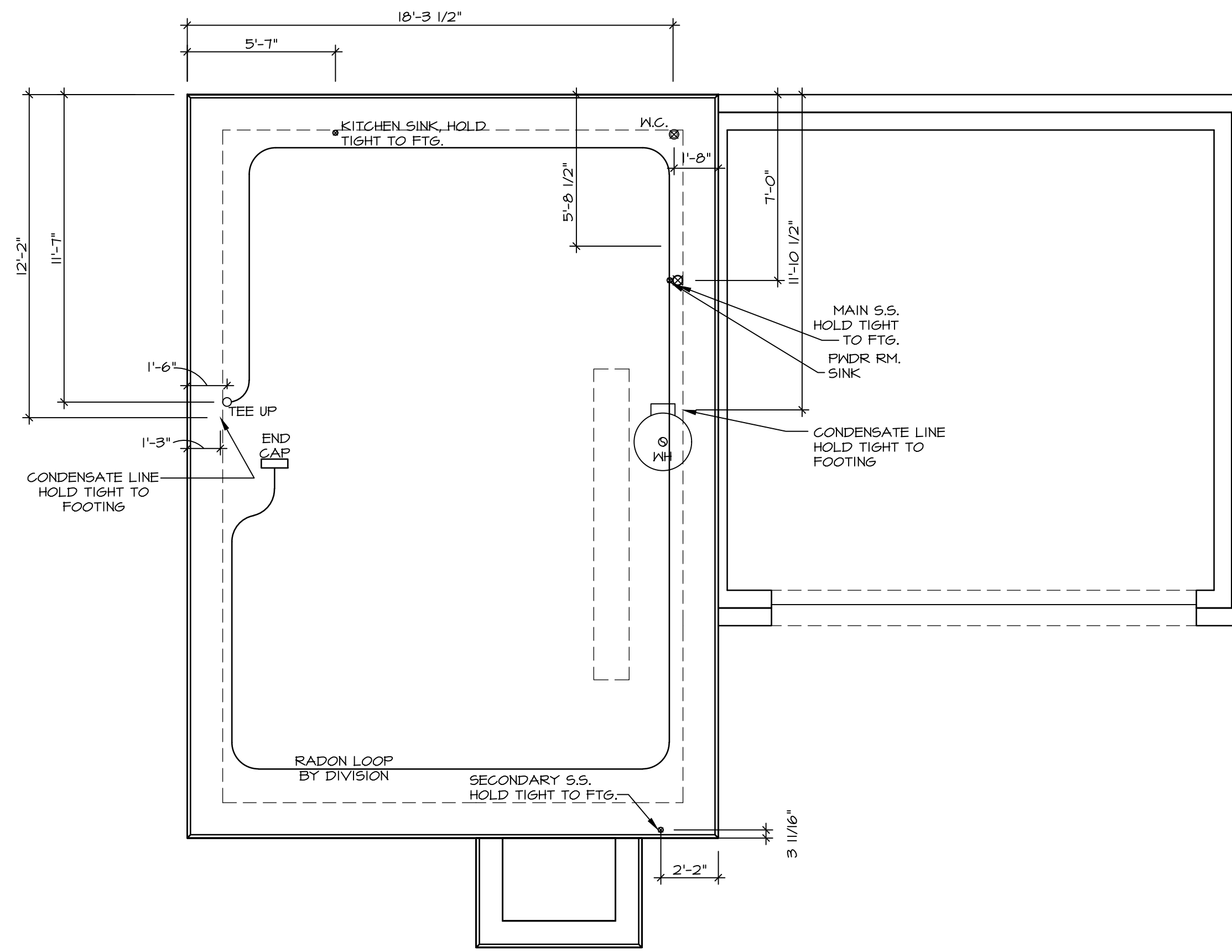
| HOLD DOWN NOTES | |
|---|--|
| REFER TO DETAIL (4/FD-1) FOR HOLD DOWN OFFSET DIMENSIONS. REFER TO DETAIL (12/FD-1) FOR HOLD DOWNS ON CMU BLOCK. | |
| STRAP | 1. ALL PANELS GREATER THAN 24" SHALL HAVE AN ANCHOR WITHIN 12" OF THE PANEL BREAKS / ENDS. (SEE DETAIL SHEET FC-1 FOR MORE INFORMATION ON ANCHOR DETAILS) 1. STRAP: a. ON FOUNDATION USE (5THD14) b. ON FLOOR SYSTEM USE (5THD14RJ) 2. ALL OTHER HOLD DOWN SEE DETAIL (MB-1, 2) FOR MORE INFORMATION. 3. STRAP LOCATION ON PLANS SHOWN BY DASHED DIMENSION TO CENTER OF STUDS |
| OR | |
| BOLT | 1. 5/8" THREADED ROD 2. ALL OTHER HOLD DOWN SEE DETAIL (MB-1, 2) FOR MORE INFORMATION. 3. BOLT LOCATION ON PLANS SHOWN BY SOLID DIMENSION TO CENTER OF BOLT |

| | | | |
|---------------|------------------------------|-------------------|-----------|
| MODEL | ASPEN | SET NO. | ASFOO |
| DRAWING TITLE | FOUNDATION HOLD DOWN DETAILS | VERSION | 01 |
| SHEET NO. | A-4 | DRAWN BY | |
| | | DATE | |
| | | OPTION | |
| | | DIV-COMM-LOT-UNIT | --- |
| | | COMM-LOT | --- |
| | | STREET ADDRESS | --- |
| | | CITY | --- |
| | | STATE | --- |
| | | APT. NO. | --- |
| | | ZIP | --- |
| | | | 7/25/2022 |

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



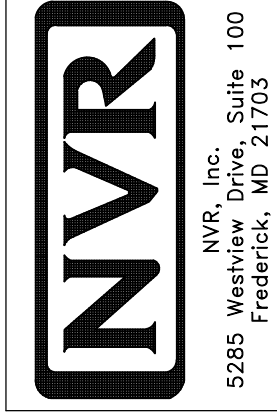
INSTALLATION OF RADON STACK AND LOOP TO BE DETERMINED BY DIVISION



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

| | | | |
|--------------------------------|---------------------------------------|------------------------------------|----------------------------|
| SHEET NO. A-5 | MODEL ASPEN | SET NO. ASPOO VERSION 01 | DIV-COMM-LOT-UNIT ----- |
| | DRAWING TITLE PLUMBING PLAN | DRAWN BY | COMM-LOT ----- |
| OPTION DESCRIPTION 7 | DATE OPTION | STREET ADDRESS ----- | STREET ADDRESS ----- |
| | | CITY ----- | CITY ----- |
| | | STATE ----- | STATE ----- |
| | | APT. NO. ----- | APT. NO. ----- |
| | | ZIP ----- | ZIP ----- |

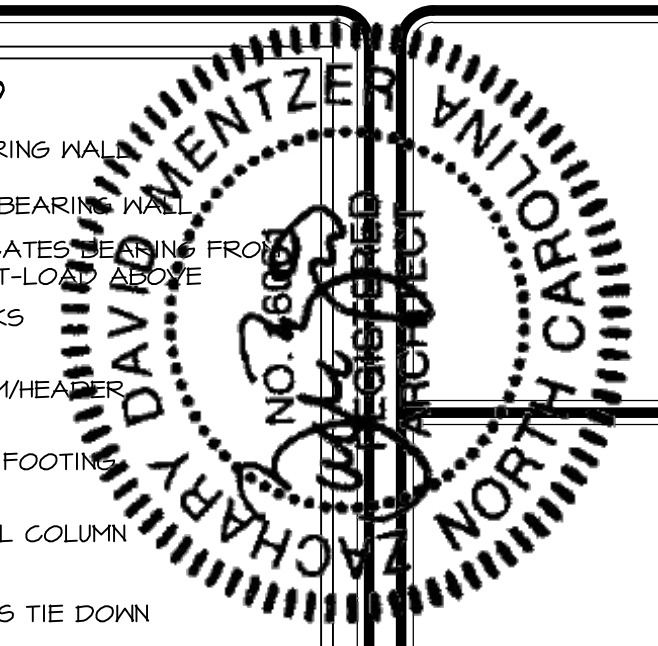
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LEGEND

- 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

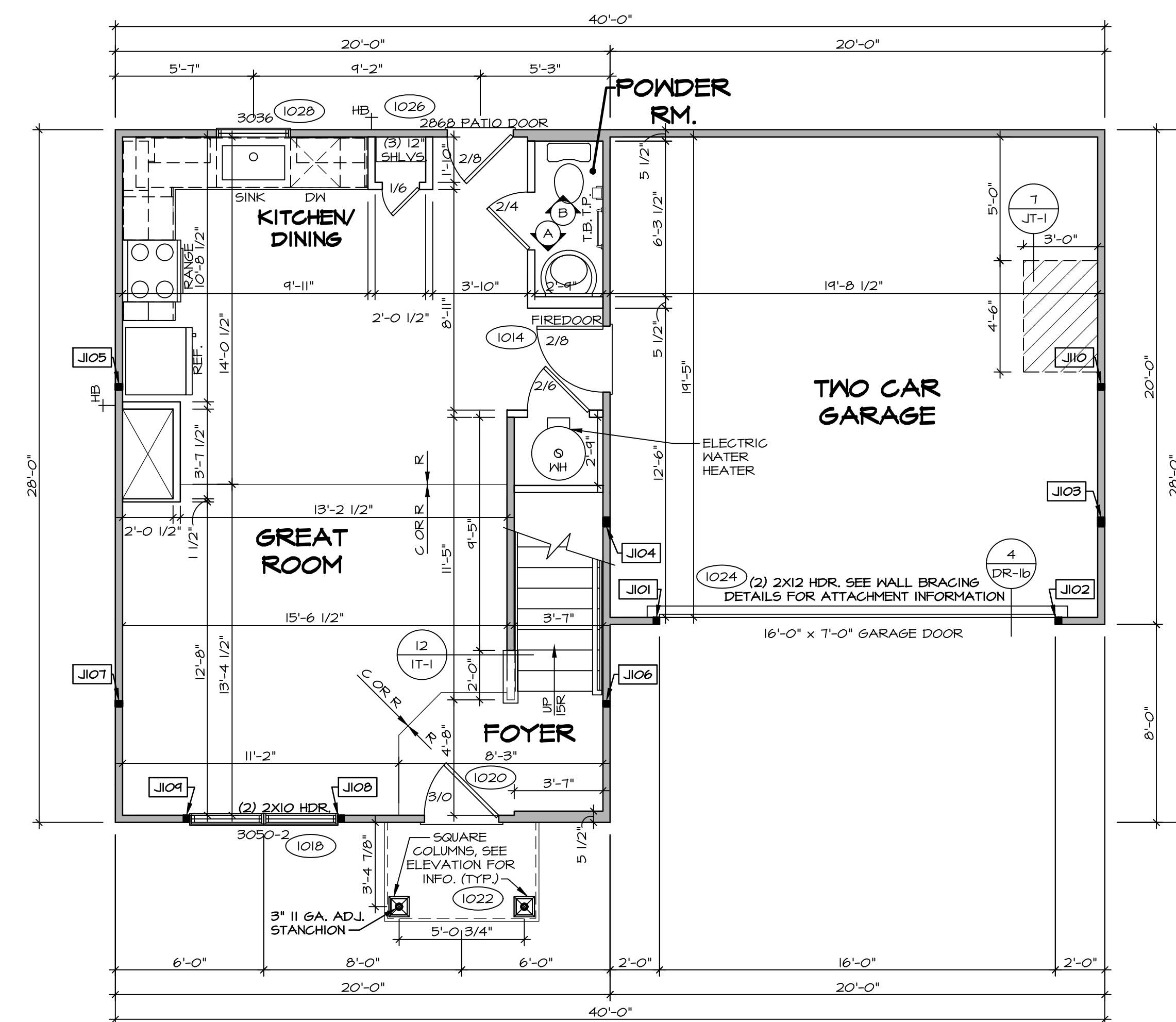
SEE FC DETAILS FOR FRAMING CONNECTORS



7/25/2022

- 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 5/2", UNLESS OTHERWISE NOTED.
 - HATCHED AREAS INDICATE DROPPED CEILING. ALL DROPPED CEILING 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



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# | 1016 | |
| J104 | JACK - (3) 2X4 SFF# | 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 | 1012 | |
| J109 | JACK - (2) 2X4 SFF STUD GRADE | 1012 | |
| J110 | JACK - (2) 2X4 SFF STUD GRADE | 1012 | |

FIELD INSTALLED FIRST FLOOR BEAM/HEADER SCHEDULE

| IDENTIFIER | DESCRIPTION | LENGTH | ENG. NUM. | REMARKS |
|------------|-------------|--------|-----------|---------|
| | | | | |

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

MODEL: ASPEN
DRAWING TITLE: FIRST FLOOR PLAN
OPTION DESCRIPTION: A-7

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

SHEET NO. A-7

9

5285 Westport, Suite 100
Frederick, MD 21703

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

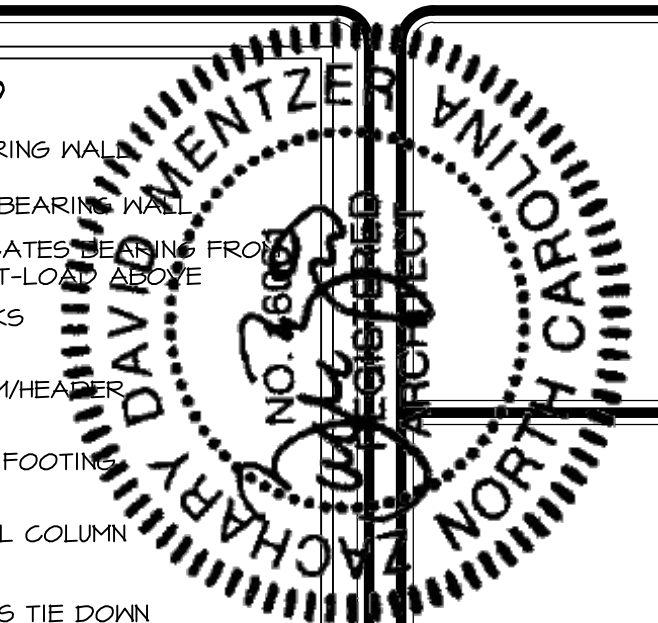
APT. NO.
ZIP

U:\As-Solc\2-Jobs\ASD\2022_2ndHalf-Complete\Rich\DETACHED\ASPEN_ASPFOO_01\LEK_P_06_0159_9_A-7_PLN1_LS.dwg 08/04/22 - 2:25 PM

LEGEND

- BEARING WALL
- - - NON BEARING WALL
- ⊗ INDICATES BEARING FROM POINT-LOAD ABOVE
- J JACKS
- B BEAM/HEADER
- F PAD FOOTING
- C STEEL COLUMN
- X TRUSS TIE DOWN
- X PORTAL FRAME
- X JOIST/TRUSS
- L LVL
- X ENGINEERING PAGE NUMBER

SEE FC DETAILS FOR FRAMING CONNECTORS



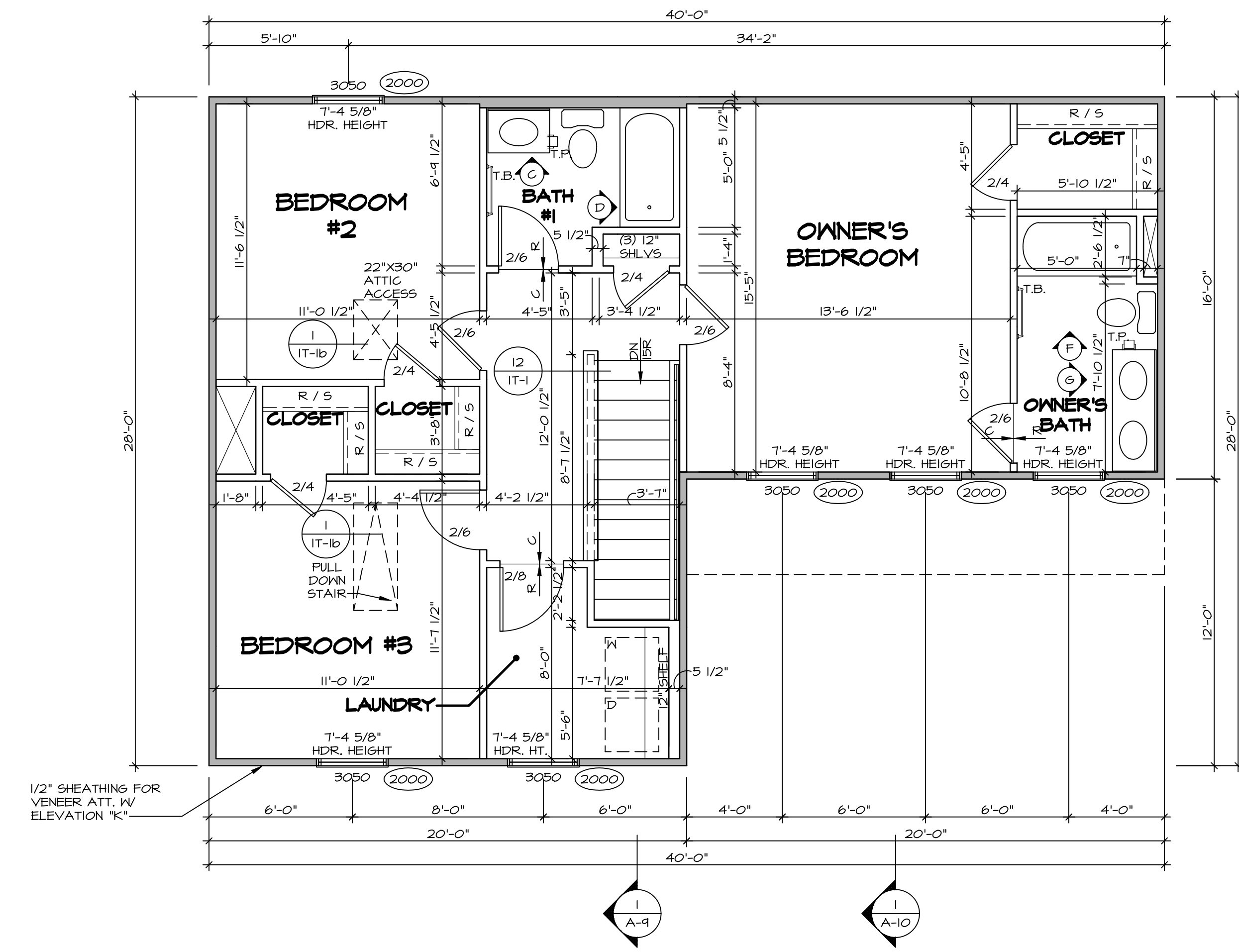
FLOOR PLAN NOTES

1. ALL HEADERS ARE (2) 2x6 w/ 2x4 WALLS OR (3) 2x6 w/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
2. ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK AND KING STUD EACH END, UNLESS OTHERWISE NOTED. MULTI-OPENING HEADERS TO HAVE (2) JACKS AT INTERMEDIATE BEARINGS, UNLESS OTHERWISE NOTED. NO ADDITIONAL FLOOR SYSTEM BLOCKING OR CONTINUOUS LOAD PATH JACKS ARE REQUIRED UNLESS OTHERWISE NOTED.
3. ALL EXTERIOR WALLS TO BE 4" w/ OSB OR 3 1/2" w/ LAMINATED FIBROUS STRUCTURAL SHEATHING. ALL INTERIOR WALLS TO BE 3 1/2", UNLESS OTHERWISE NOTED.
4. HATCHED AREAS INDICATE DROPPED CEILING. ALL DROPPED CEILING ARE 12" UNLESS OTHERWISE NOTED.
5. SEE "BRACED WALL PANEL DETAIL SHEET" FOR SPECIAL WALL FRAMING LOCATIONS AND HEADER SIZES, IF APPLICABLE.
6. SEE STANDARD DETAIL CATEGORY "IT" SHEET(S) FOR INTERIOR TRIM DETAILS.
7. SEE ARCHITECTURAL DETAIL SHEET "AD" FOR HOUSE SPECIFIC INTERIOR TRIM OPTION TABLE.
8. ALL WINDOWS HAVE 7'-0 1/2" HEADER HEIGHT UNLESS OTHERWISE NOTED.
9. ALL HEADERS IN NON-BEARING WALLS SHALL BE A SINGLE FLAT 2x4 OR 2x6 ATTACHED TO CRIPPLES ABOVE, UNLESS OTHERWISE NOTED.
10. TANKED WATER HEATER SHOWN AS BASE CONDITION. OPTIONAL TANKLESS WATER HEATER IS AVAILABLE IN LIEU OF TANKED WATER HEATER.

GYPHUM NOTES

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

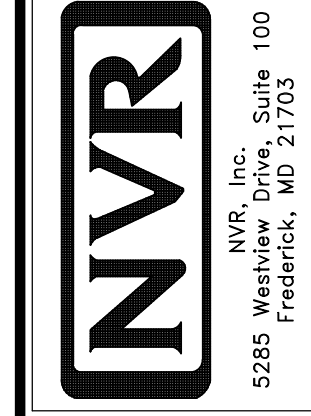
AT STAIRS:
 1/2" GYPHUM BOARD AT UNDERSIDE OF STAIRS AND WALLS IN CLOSET

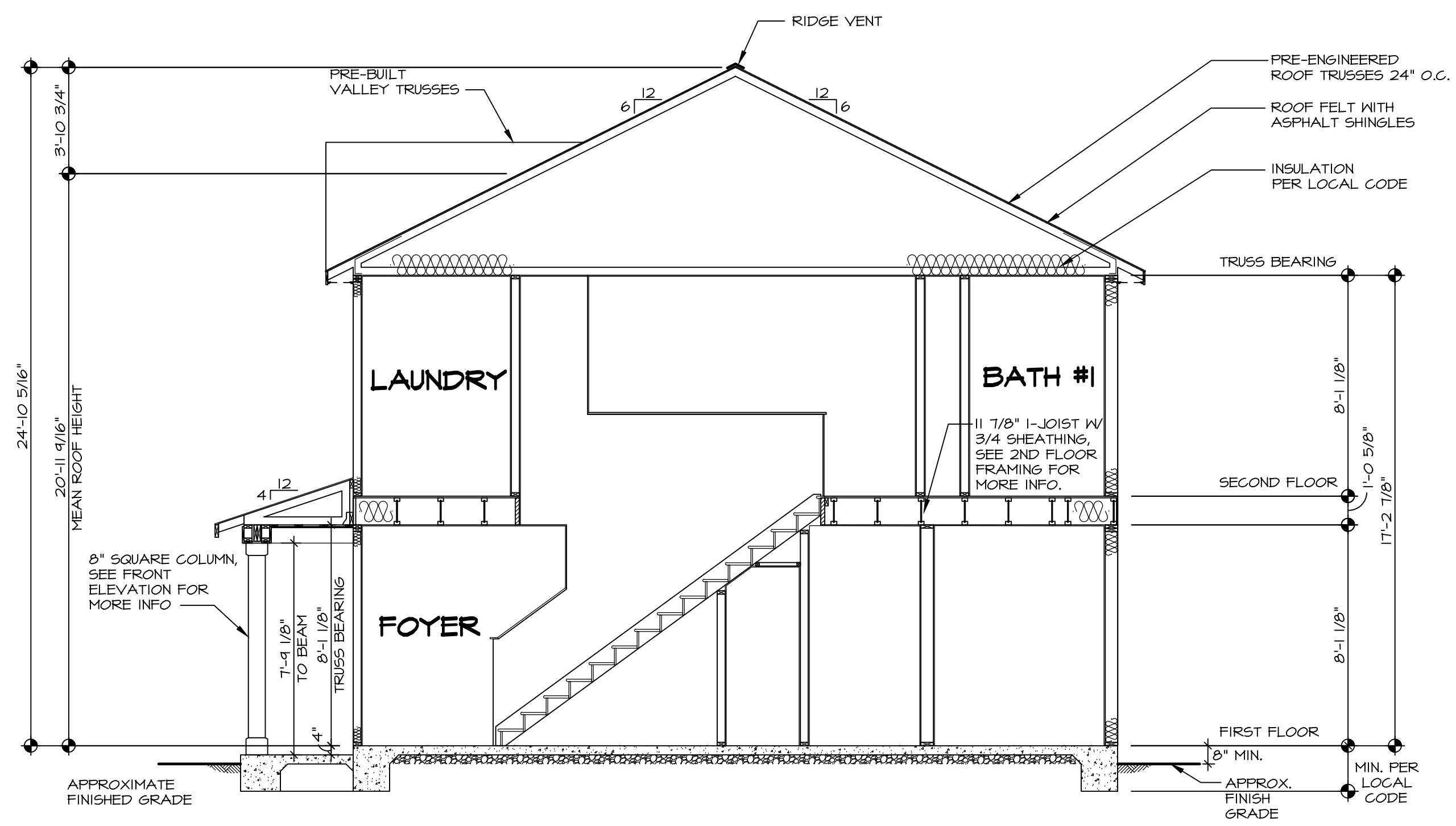
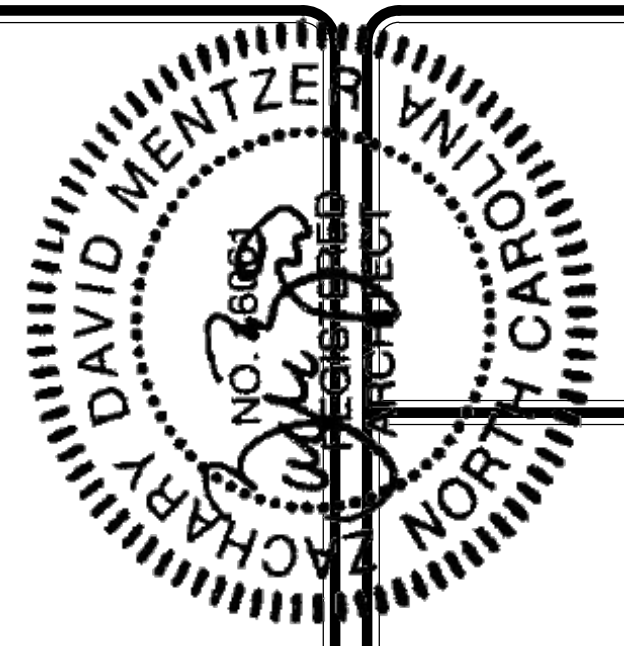


1 SECOND FLOOR PLAN
 SCALE: 1/4" = 1'-0"

| | | | | | |
|-----------|-------|--------------------|-------------------|----------------|-------|
| SHEET NO. | A-8 | OPTION DESCRIPTION | 10 | STATE | ----- |
| MODEL | ASPEN | DRAWING TITLE | SECOND FLOOR PLAN | CITY | ----- |
| SET NO. | ASFOO | VERSION | 01 | STREET ADDRESS | ----- |
| DRAWN BY | | DATE: | | APT. NO. | ----- |
| | | OPTION | | ZIP | ----- |

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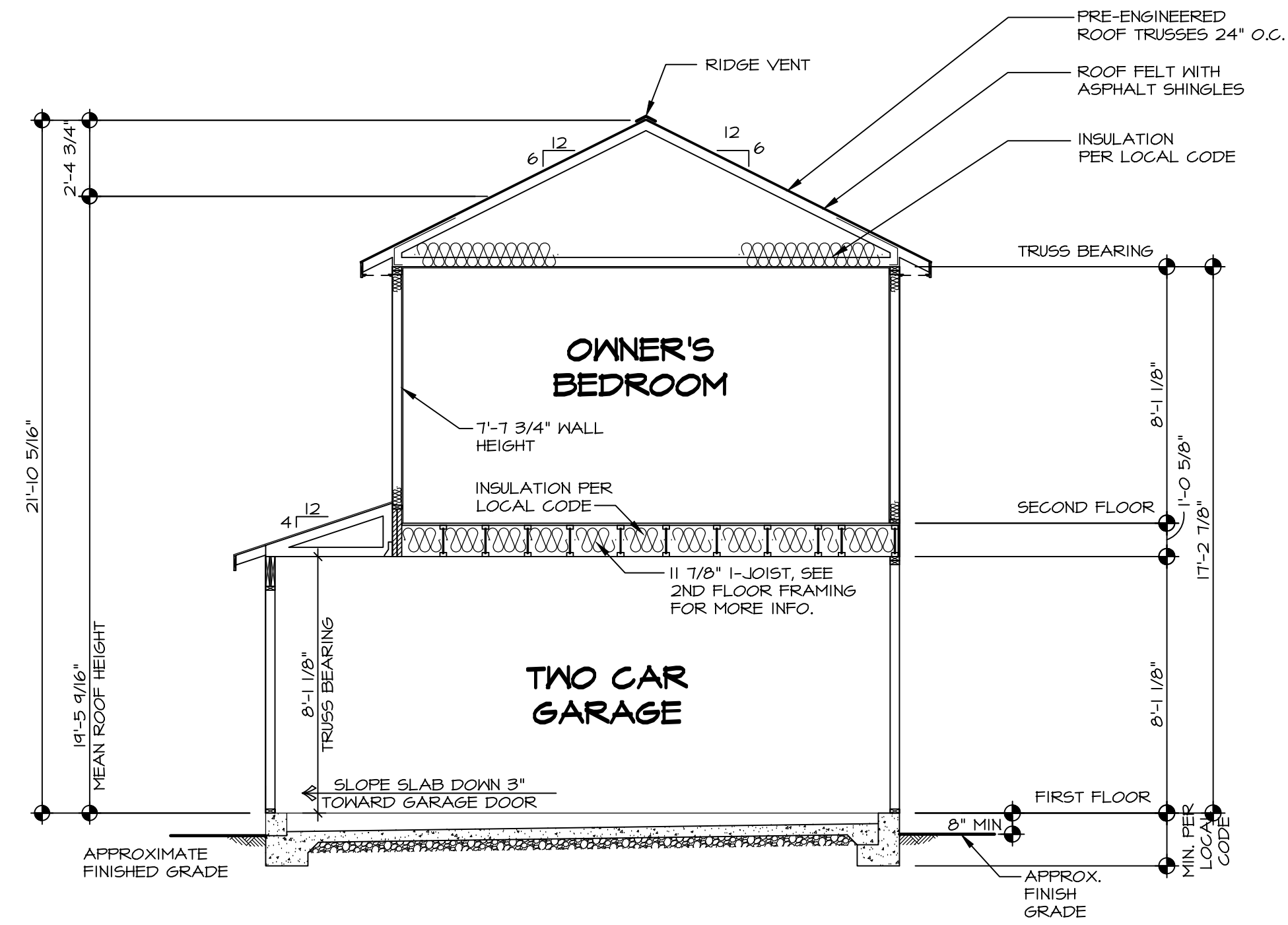
BUILDING SECTION - FOYER
 SCALE: 1/4" = 1'-0"

| | | |
|-------------------------|--|------------------|
| SHEET NO. A-9 | MODEL ASPEN | SET NO. ASFOO |
| | DRAWING TITLE BUILDING SECTION - FOYER | VERSION 01 |
| | OPTION DESCRIPTION | DRAWN BY |
| | | DATE: |
| | | OPTION |

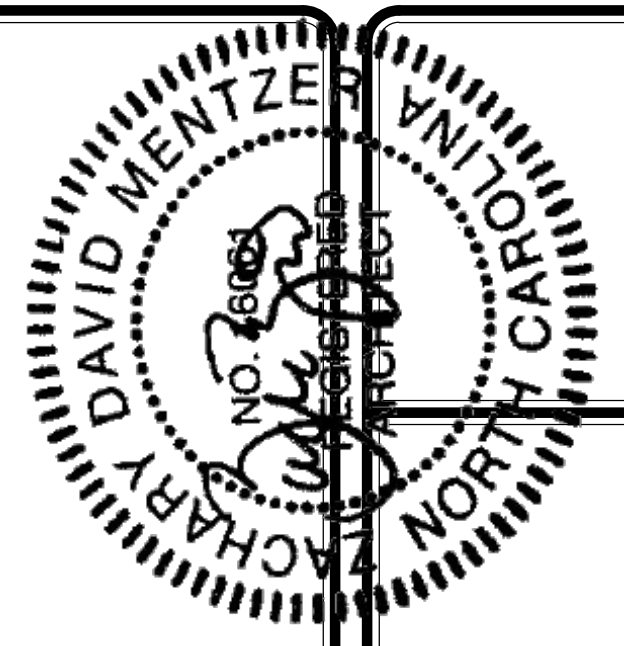
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| |
|----------------------------|
| DIV-COMM-LOT-UNIT ----- |
| COM-LOT ----- |
| STREET ADDRESS ----- |
| CITY ----- |
| STATE ----- |
| ZIP ----- |
| APT. NO. ----- |



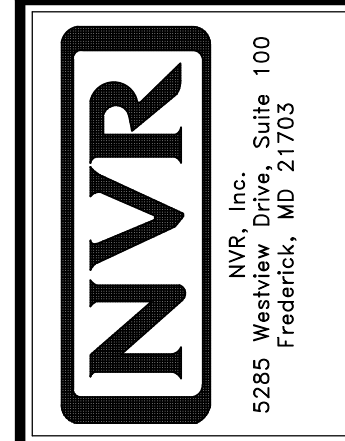
BUILDING SECTION - GARAGE
SCALE: 1/4" = 1'-0"



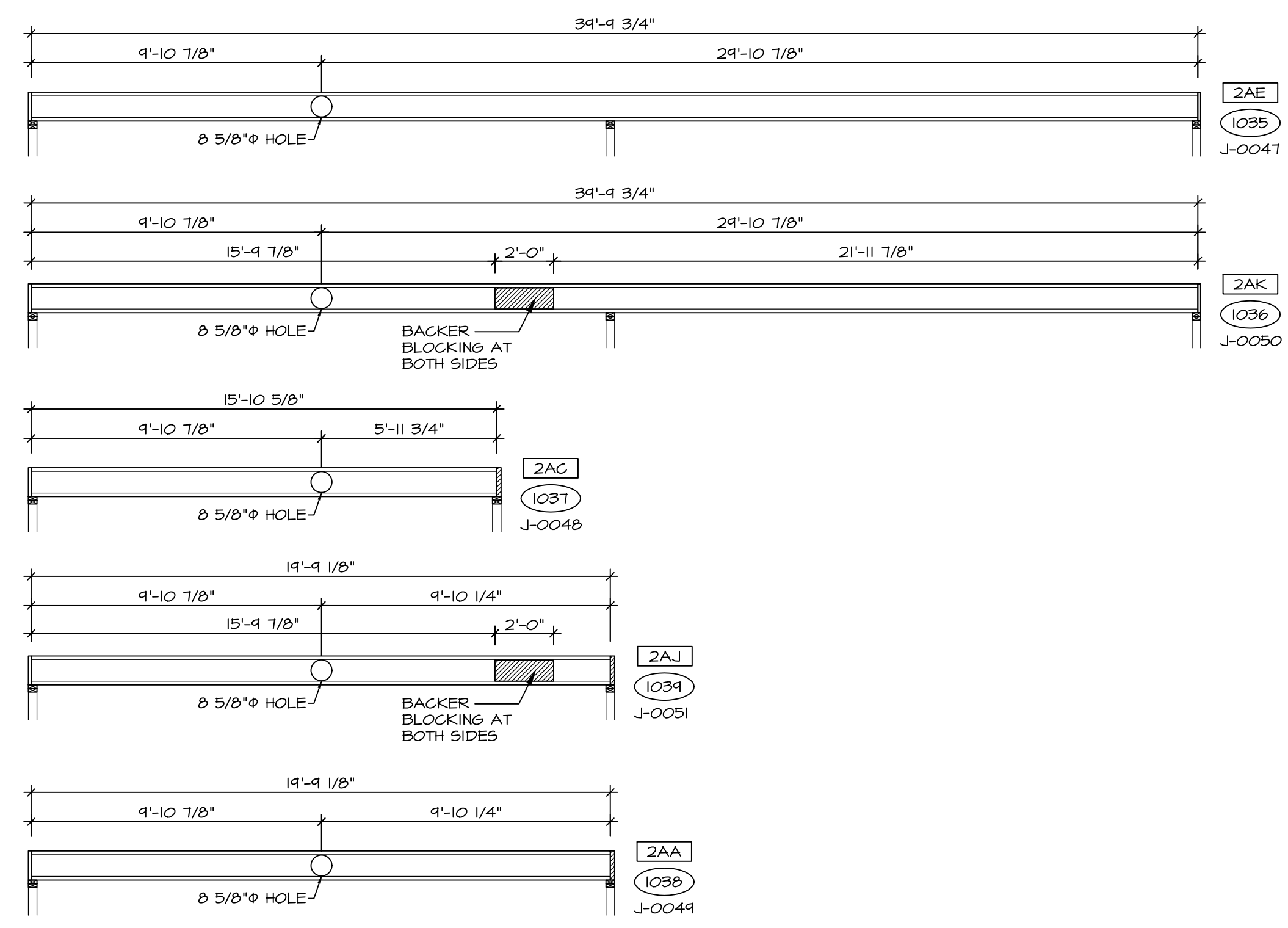
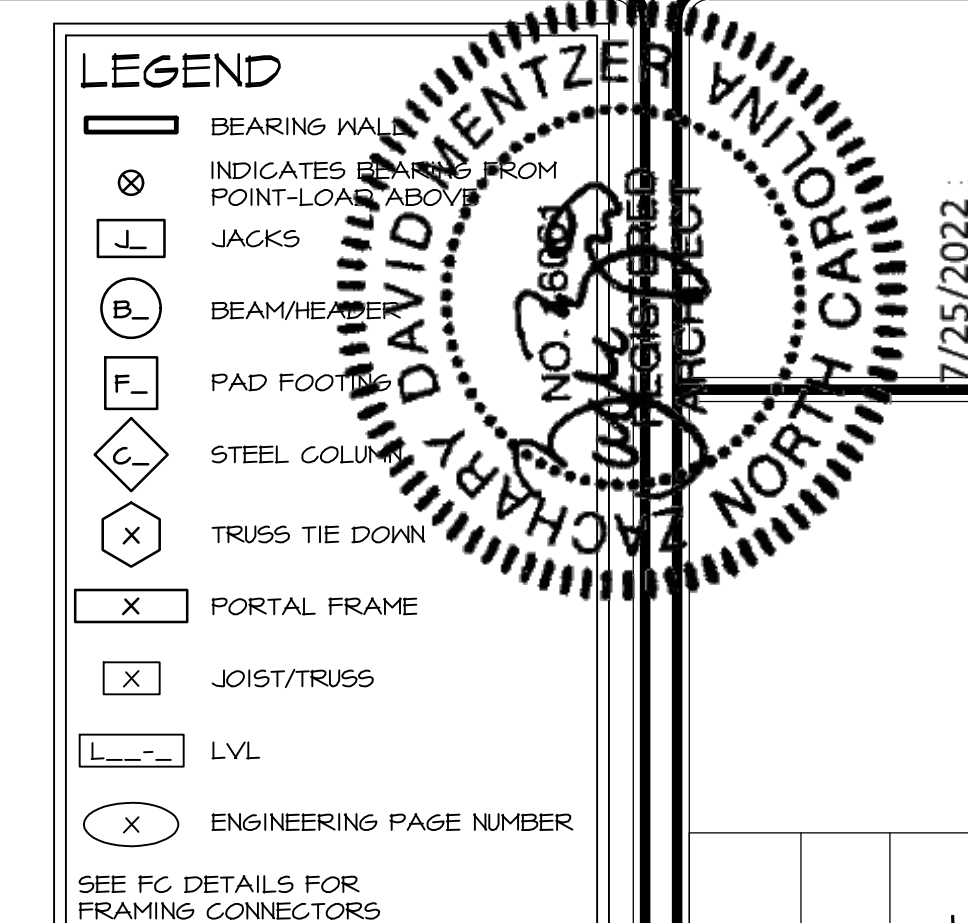
7/25/2022

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

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| | |
|--------------------|----------------------------------|
| SHEET NO. | A-10 |
| MODEL | ASPEN |
| VERSION | 01 |
| DRAWN BY | |
| DATE: | |
| OPTION | |
| DRAWING TITLE | BUILDING SECTION - GARAGE |
| OPTION DESCRIPTION | |
| SET NO. | ASFOO |



1-JOIST FLOOR SYSTEM

- SUBFLOOR IS 3/4\"/>

SECOND FLOOR FRAMING LENGTH SCHEDULE

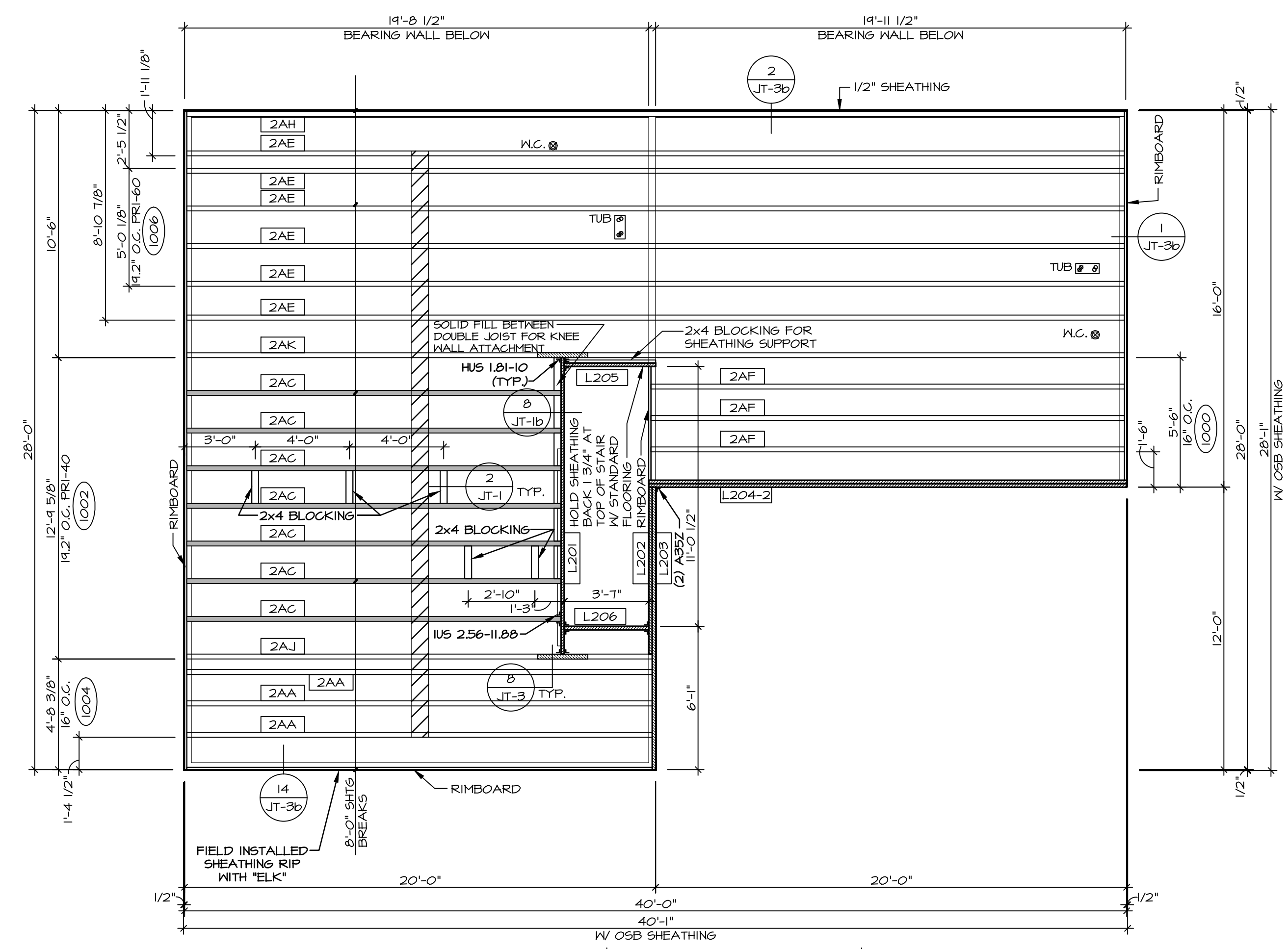
| IDENTIFIER | DESCRIPTION | LENGTH | ENG. NUM. | REMARKS |
|------------|----------------|-------------|-----------|---------|
| 2AA | PRI 60 - II-14 | 19'-4 1/8" | | J-0044 |
| 2AC | PRI 40 - II-14 | 15'-10 5/8" | | J-0048 |
| 2AE | PRI 60 - II-14 | 39'-4 3/4" | | J-0041 |
| 2AF | PRI 60 - II-14 | 20'-1 1/4" | | |
| 2AH | PRI 60 - II-14 | 39'-4 3/4" | | |
| 2AJ | PRI 60 - II-14 | 19'-4 1/8" | 1012 | J-0051 |
| 2AK | PRI 60 - II-14 | 39'-4 3/4" | 1012 | J-0050 |

SECOND FLOOR LVL LENGTH SCHEDULE

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

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

- (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) 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.
 - (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.
 - (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.
 - (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.
 - (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.
 - (4) PLY (ALL SIZES); FASTEN PLYS W/ (2) ROWS 1/2" DIAMETER A307 BOLTS AT 24" O.C.
- SEE SHOP DRAWING FOR ADDITIONAL INFORMATION.



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NO. 2808

REGISTERED PROFESSIONAL ARCHITECT

EXPIRES 12/31/2022

CHARLY DAVIDMENTZER

ARCHITECT

7/25/2022

STATE

CITY

APT. NO.

STREET ADDRESS

COM-LOT

DIV-COMM-LOT-UNIT

NVR

NVR, Inc., Suite 100
Frederick, MD 21703
5285 Westport Rd.

SHEET NO.

S-2

MODEL

ASPEN

DRAWING TITLE

SECOND FLOOR JOIST LAYOUT

OPTION DESCRIPTION

SET NO. ASPFO

VERSION 01

DRAWN BY

DATE:

OPTION

10

SECOND FLOOR FRAMING PLAN

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

| TRUSS SCHEDULE | | | | | |
|----------------|-------|--------------|------------|-------------------|---------|
| QUANTITY | SPECS | TRUSS NUMBER | LENGTH | ROOF PITCH (X/12) | REMARKS |
| 1 | 9E | 16901 | 16'-0" | 6/12 | - |
| 3 | 9E | 16903 | 28'-0" | 6/12 | - |
| 1 | 9E | 16904 | 28'-0" | 6/12 | - |
| 10 | 9E | 16905 | 16'-0" | 6/12 | - |
| 11 | 9E | 16906 | 4'-0" | 4/12 | - |
| 4 | 9E | 16907 | 3'-10 1/2" | 4/12 | - |
| 1 | 9E | 16908 | 28'-0" | 6/12 | - |
| 4 | 9E | 16909 | 28'-0" | 6/12 | - |
| 1 | 9E | 16910 | 28'-0" | 6/12 | - |
| 1 | 9E | 16911 | 28'-0" | 6/12 | - |
| 1 | VT | 01261 | 2'-0" | 12-6/12 | - |
| 1 | VT | 01262 | 4'-0" | 12-6/12 | - |
| 1 | VT | 01263 | 6'-0" | 12-6/12 | - |
| 1 | VT | 01264 | 8'-0" | 12-6/12 | - |
| 1 | VT | 95403 | 8'-6" | 12-6/12 | - |

FIELD INSTALLED ROOF FRAMING BEAM/HEADER SCHEDULE

| IDENTIFIER | DESCRIPTION | LENGTH | ENG. NUM. | REMARKS |
|------------|----------------------------|--------|-----------|---------|
| B301 | BEAM BUILT 2X8 - 2 PLY RFF | 6'-0" | 1023 | |

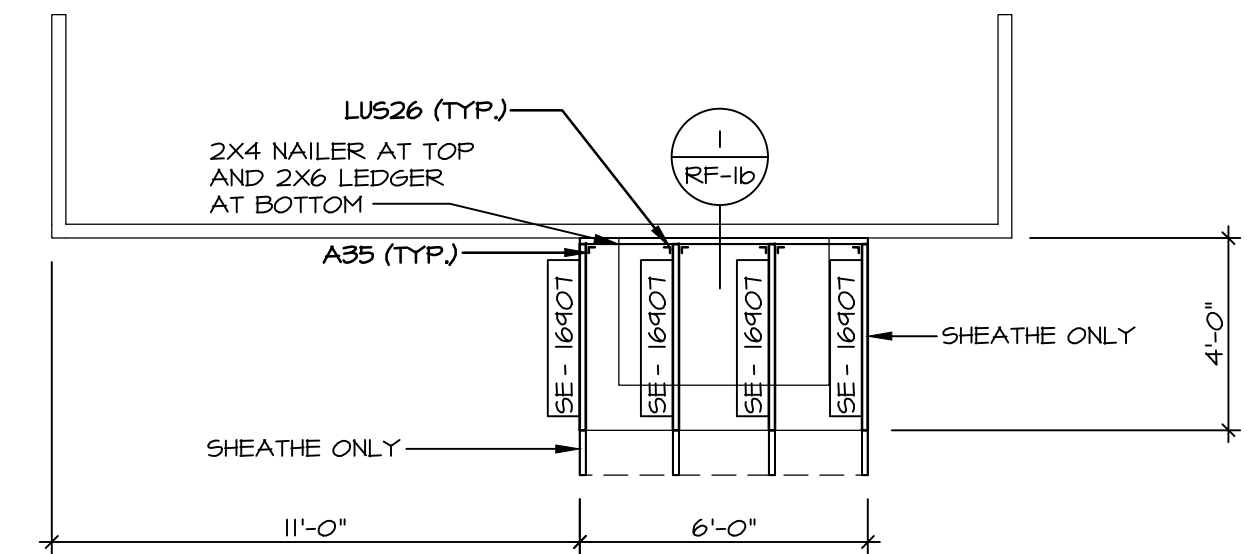
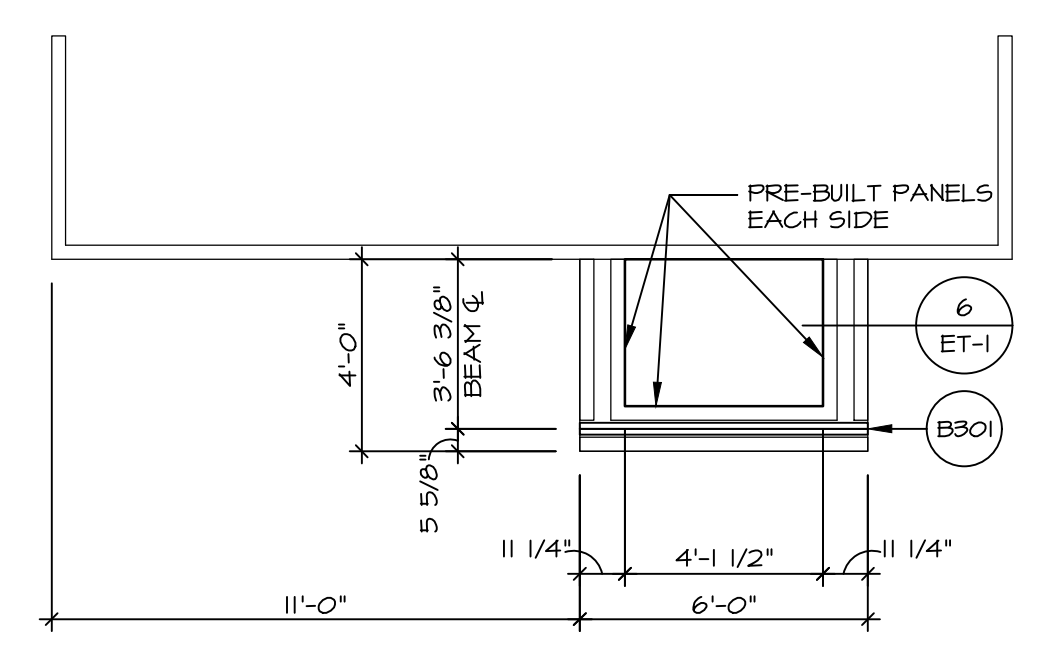
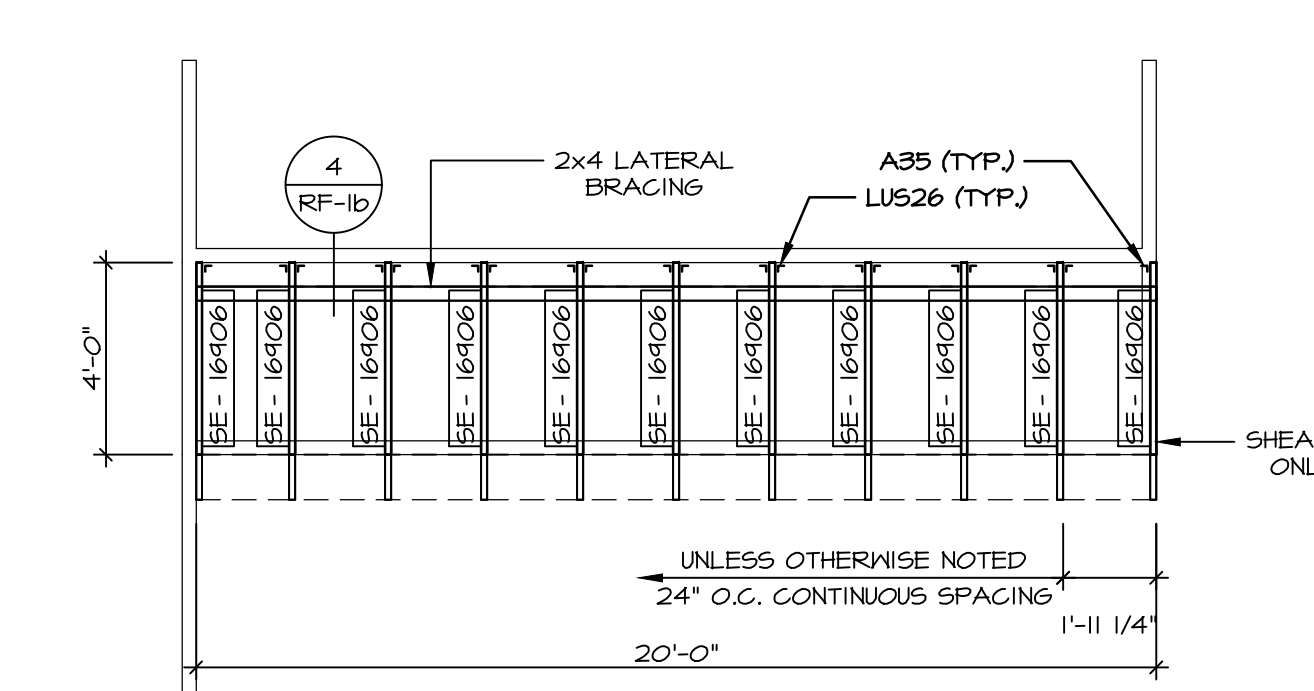
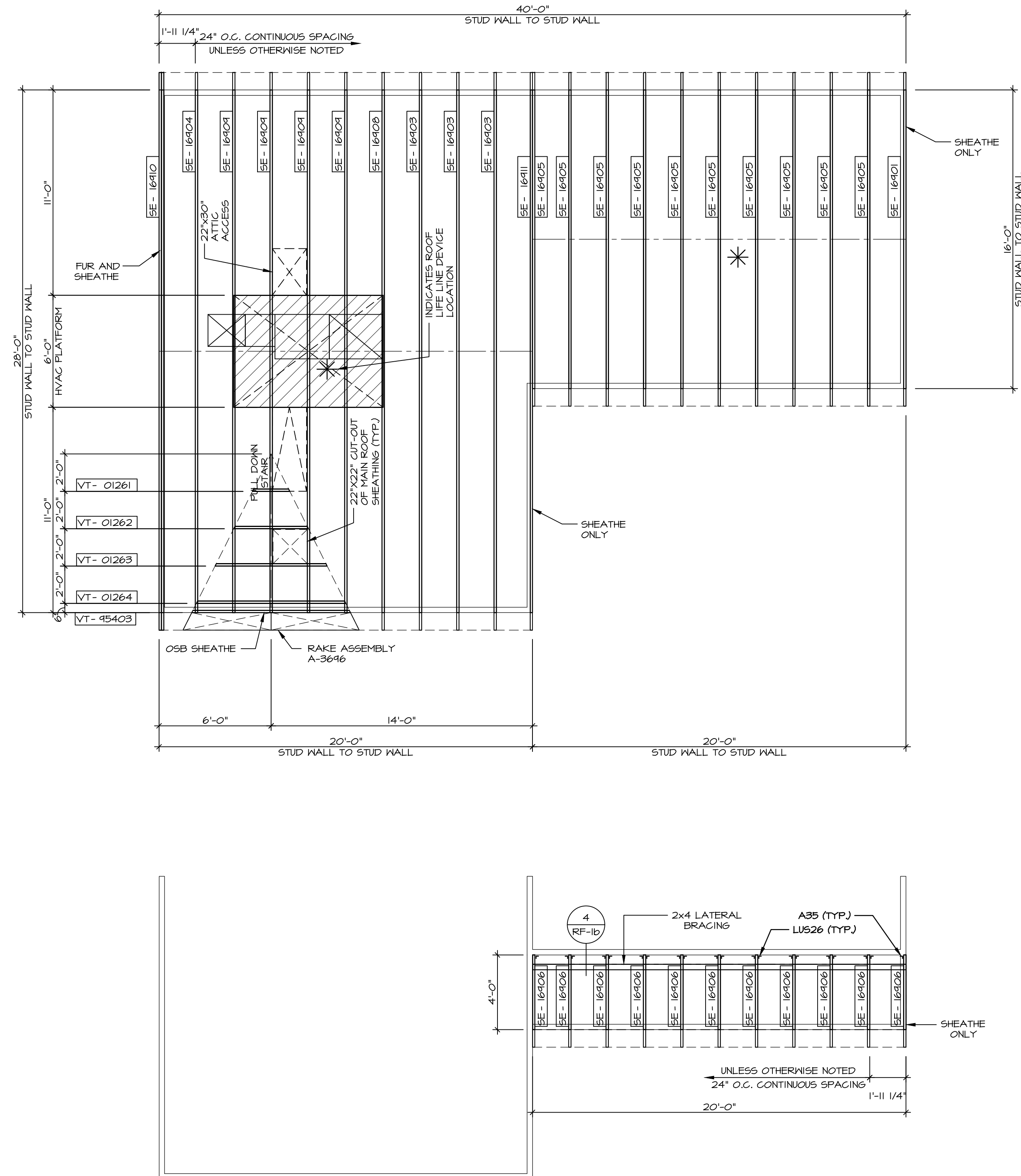
LEGEND

- BEARING WALL
- INDICATES POINT-LOAD FROM TRUSS
- JACKS
- BEAMS
- FOOTINGS
- STEEL COLUMN
- TRUSS TIE DOWN
- PORTAL FRAME
- JOIST/TRUSS
- LVL
- ENGINEERING PAGE NUMBER

-SEE FA DETAILS FOR FIRE ASSEMBLIES
-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)
 - TURN GABLE BRACING (7/RF-1)
 - TRUSS LATERAL BRACING (2/RF-1c)
 - LIFELINE ATTACHMENT (5/RF-1)
 - FALL PROTECTION ON PLATFORM TRUSS (11/RF-1)
- IF TRUSS DOES NOT APPEAR ON THE TRUSS BRACING SHEET, NO ADDITIONAL LATERAL BRACING REQUIRED.



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

MODEL
ASPEN
DRAWING TITLE
ROOF FRAMING

OPTION DESCRIPTION

SHEET NO. S-3
21

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

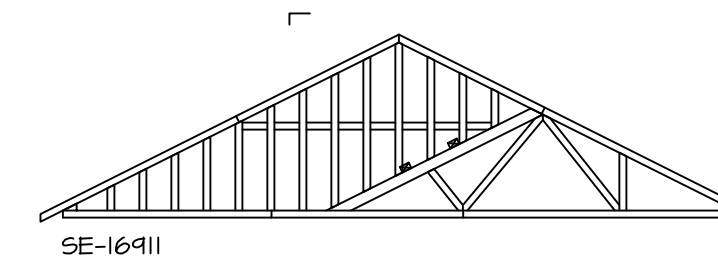
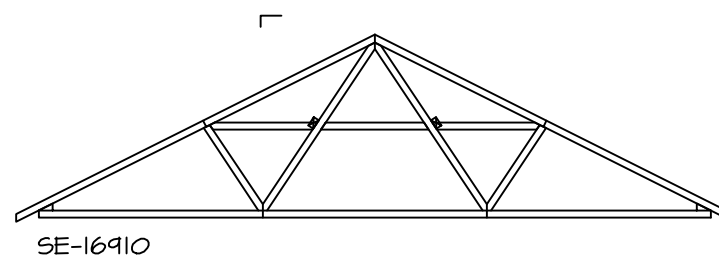
APR. NO.
APT. NO.

STATE
ZIP

7/25/2022

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



1
S-4

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.
- 2X4 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 2X4 LATERAL BRACING.
- DIAGONAL BRACING REQUIRED WHEN LATERAL BRACING IS REQUIRED (4/RF-1c)
- STUDDED GABLE BRACING DETAIL 1/RF-1c TO BE UTILIZED FOR TRUSSES 6'-0" 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.

| | | |
|--------------------|-----------------------|---------|
| SHEET NO. | MODEL | SET NO. |
| S-4 | ASPHEN | ASFOO |
| OPTION DESCRIPTION | VERSION | OPTION |
| 22 | 01 | |
| | DRAWN BY | |
| | DATE: | |
| | TRUSS BRACING DETAILS | |

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DIV-COMM-LOT-UNIT

COMM-LOT

STREET ADDRESS

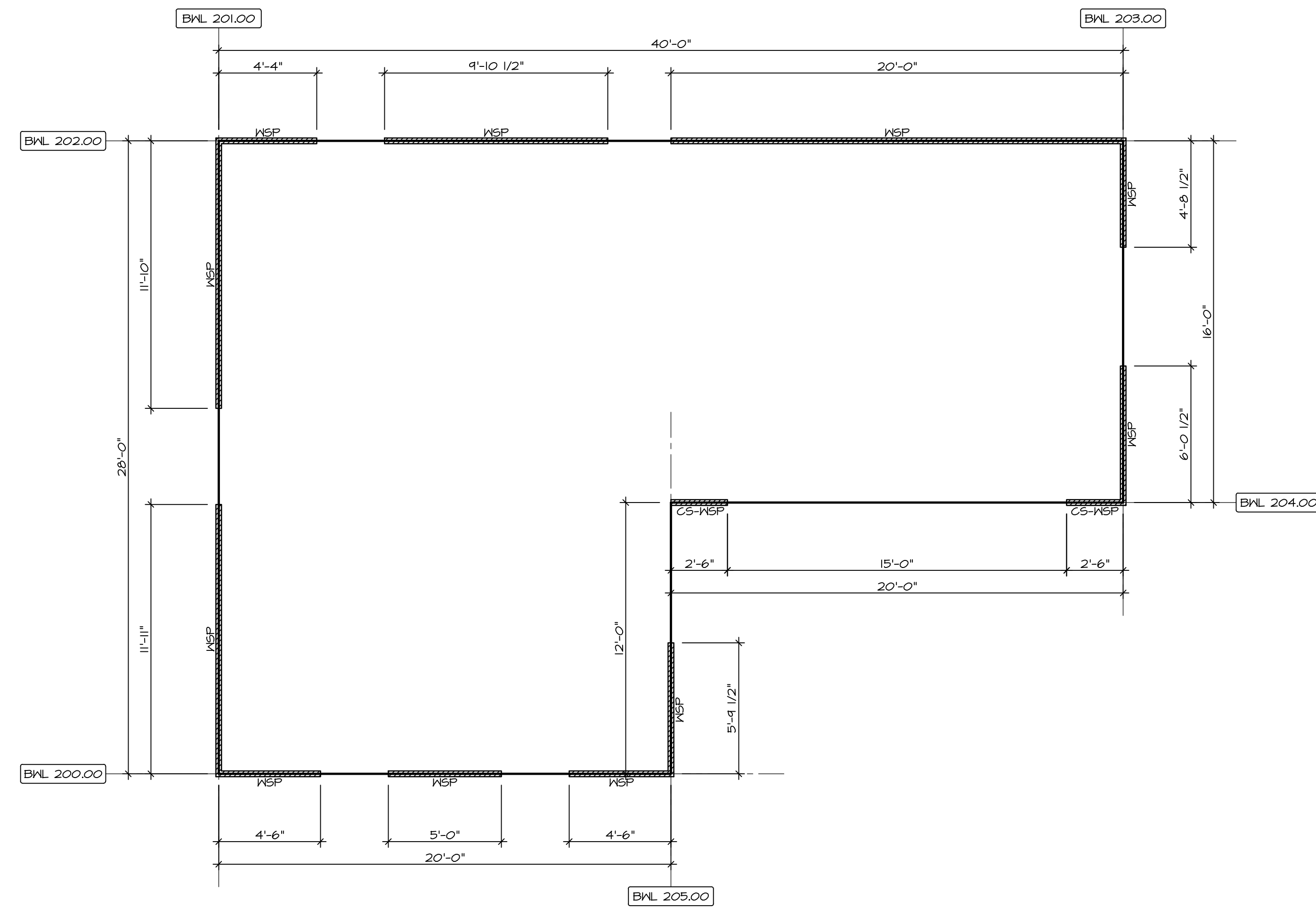
CITY

STATE

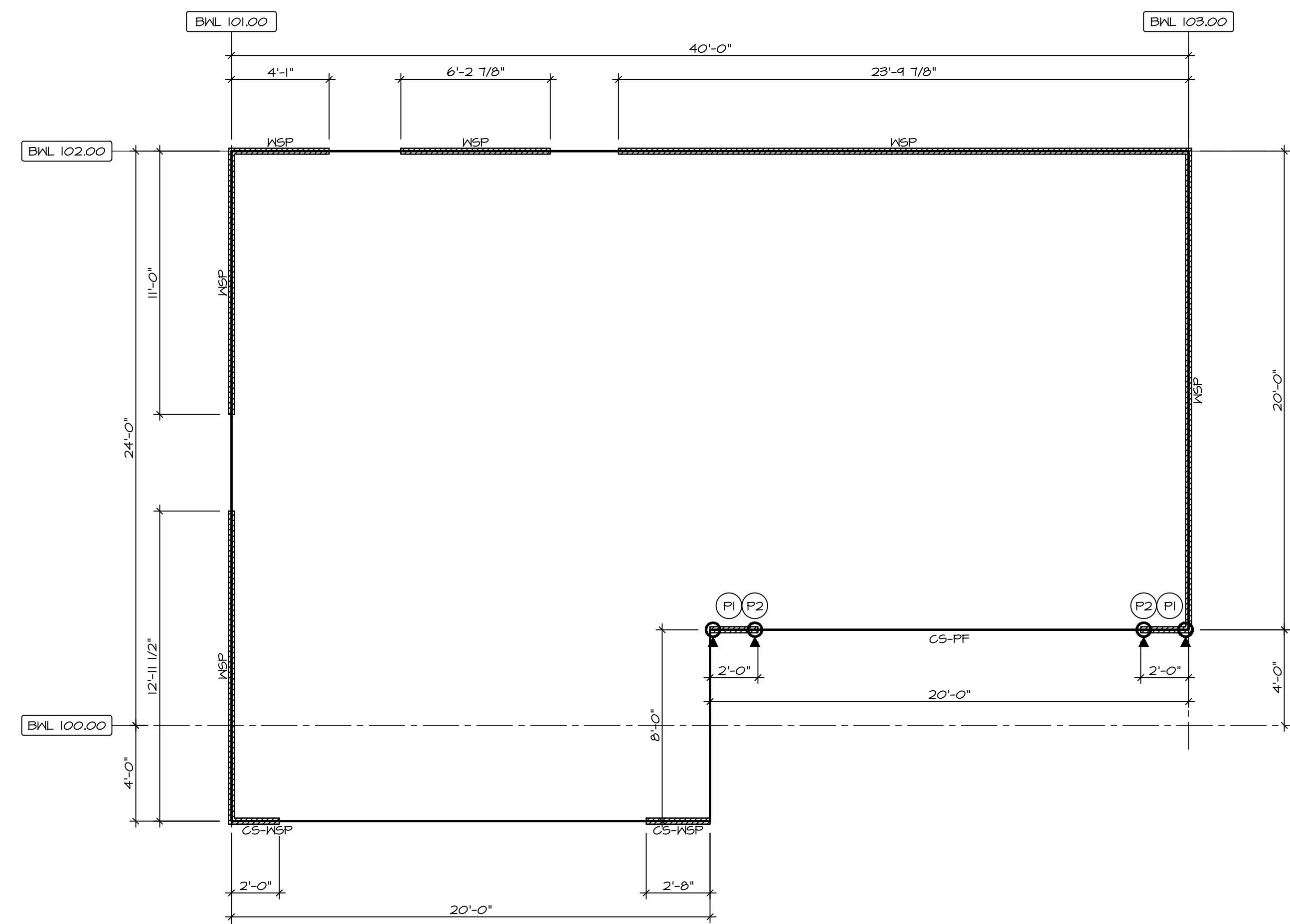
APT. NO.

ZIP

DAVID MENTZER
NO. 26064
REGISTERED PROFESSIONAL ENGINEER
STATE OF NORTH CAROLINA
7/25/2022



2
5-5
SECOND FLOOR BRACED WALL DETAIL
SCALE: 1/4" = 1'-0"



1
5-5
FIRST FLOOR BRACED WALL DETAIL
SCALE: 1/4" = 1'-0"

FASTENING SCHEDULE

| SHEATHINGS | FASTENER | SPACING | |
|---|---|---------|----------|
| | | EDGES | FIELD |
| 7/16" WOOD STRUCTURAL PANELS OR EQUIVALENT (W METHOD WSP, CS-WSP, CS-G) | 8d COMMON NAILS ALTERNATIVE FASTENER 1-3/4" 16-GAUGE CORROSION RESISTANT STAPLES | 6" O.C. | 12" O.C. |
| 1/2" GYPSUM WALLBOARD (W METHOD GB-1, GB-2) | 1-1/4" LONG, 1/4" HEAD, .048" DIA. ANNULAR-RINGED NAILS CORROSION RESISTANT TYPE W 1-1/4" DRYWALL SCREWS | 7" O.C. | 7" O.C. |
| LAMINATED FIBROUS STRUCTURAL SHEATHINGS | 10d X 1 1/4" GALVANIZED ROOFING NAILS 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 FASTENERS 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.

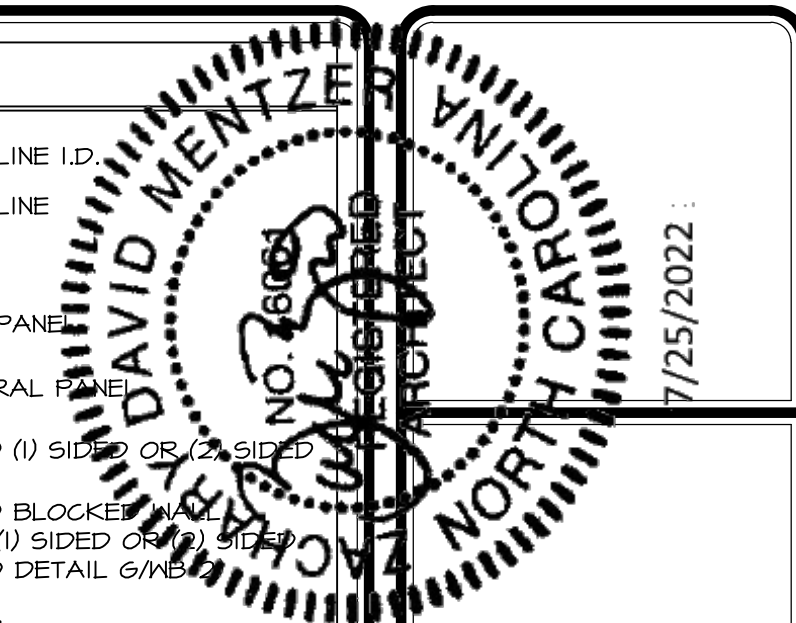
LEGEND

| | |
|------------|--|
| 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 CONSTRUCTION (1 SIDED OR 2 SIDED) (SEE STANDARD DETAIL 6/WB-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 1. SEE SHEET WB-2 "P." INDICATOR SCHEDULE AND DETAILS 2. ARROW INDICATES LOCATION |

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

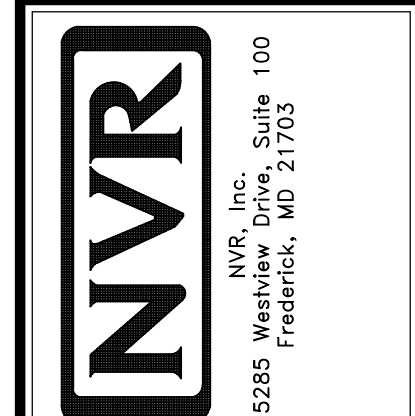
BRACED WALL LINE SCHEDULE

| WIND SPEED (ULT) | IDENTIFIER | ACTUAL (FT) | REQUIRED (FT) | METHOD |
|------------------|------------|-------------|---------------|-----------------------|
| 130 MPH | BWL 100.00 | 10.61' | 7.94' | CONTINUOUS (WITH GNB) |
| 130 MPH | BWL 101.00 | 23.96' | 11.40' | WSP (WITH GNB) |
| 130 MPH | BWL 102.00 | 34.14' | 9.63' | WSP (WITH GNB) |
| 130 MPH | BWL 103.00 | 20.00' | 10.93' | WSP (WITH GNB) |
| 130 MPH | BWL 200.00 | 14.00' | 5.10' | WSP (WITH GNB) |
| 130 MPH | BWL 201.00 | 23.75' | 7.14' | WSP (WITH GNB) |
| 130 MPH | BWL 202.00 | 34.21' | 5.51' | WSP (WITH GNB) |
| 130 MPH | BWL 203.00 | 10.75' | 5.76' | WSP (WITH GNB) |
| 130 MPH | BWL 204.00 | 5.00' | 2.63' | CONTINUOUS (WITH GNB) |
| 130 MPH | BWL 205.00 | 5.74' | 5.10' | WSP (WITH GNB) |



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

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SET NO. ASFOO
 VERSION 01
 DRAWN BY
 DATE:
 OPTION

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