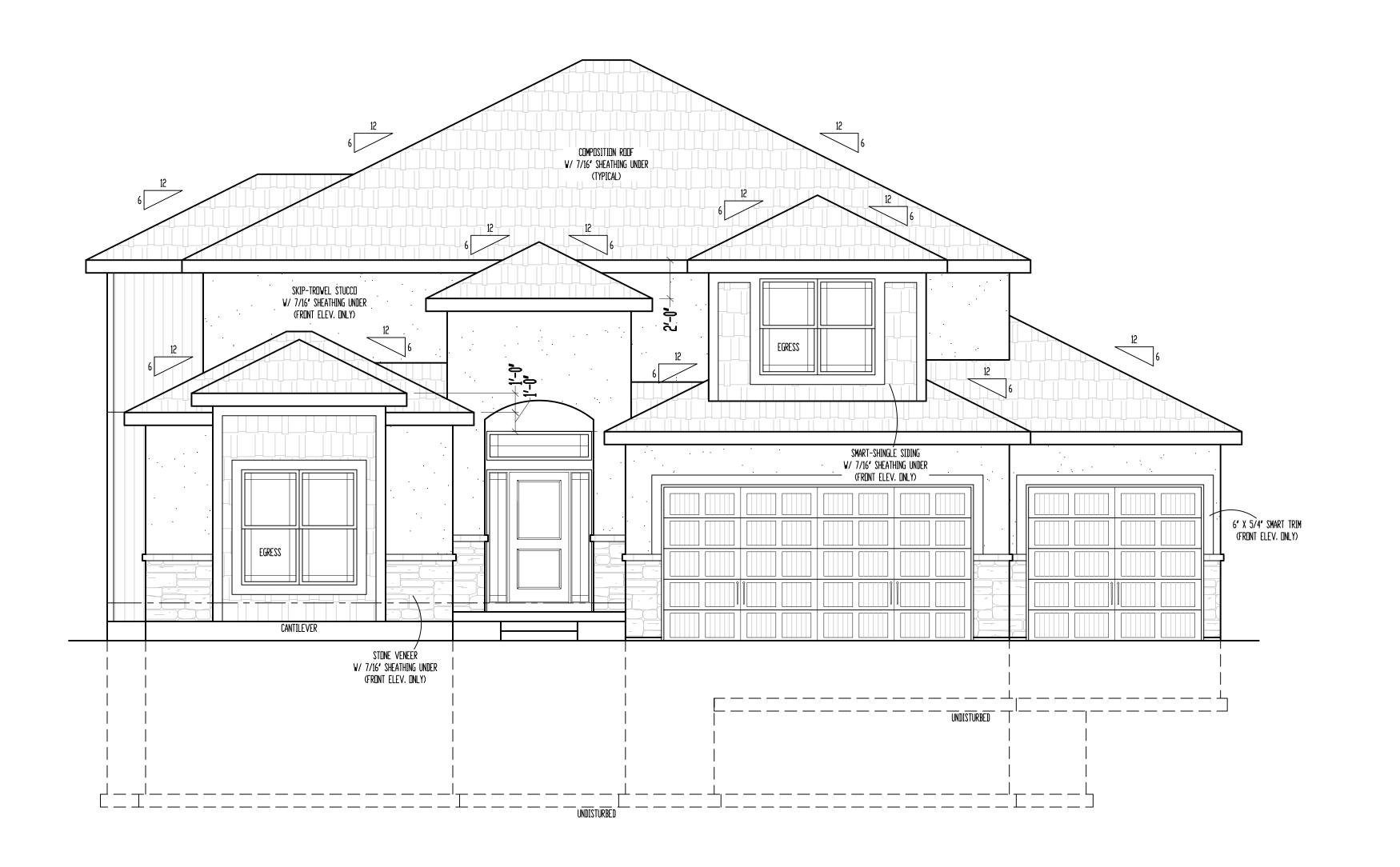
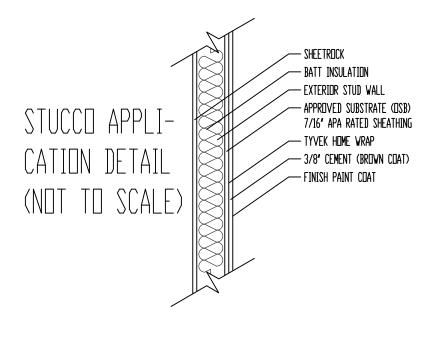
NOTE: GOVERNING CODES & GENERAL CONTRACTOR'S WRITTEN SPECIFICATIONS TAKE PRECEDENCE OVER THESE PLANS.



FRONT ELEVATION

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



sign of this plan. However, the uction from these plans should not be no professional, architect or engineer ation and supervision, Viewpoint responsibility for any damages, s, omissions or error in the design of se illustrated on this plan. Designer se on your specific site. Consult your for your specific site and application for your specific site and application.

. 2023 Viewpoint Residential Design, LLC. rt have gone into the creation and design of this p t an architect or endineer and construction from t

Care and effort have gone into the

begotten Son, that whosoever believeth in him should not perish,

POINT THE DESIGN LLC Should sh

Design Title:
The
DURANGO

Site Description:

Lot 102,

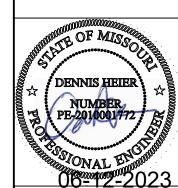
Summit View

Farms 4th Plat

Street Address:

3211 SW Enoch St.,

Lee's Summit,
Missouri
General Contractor:
Wood Brothers, Inc.

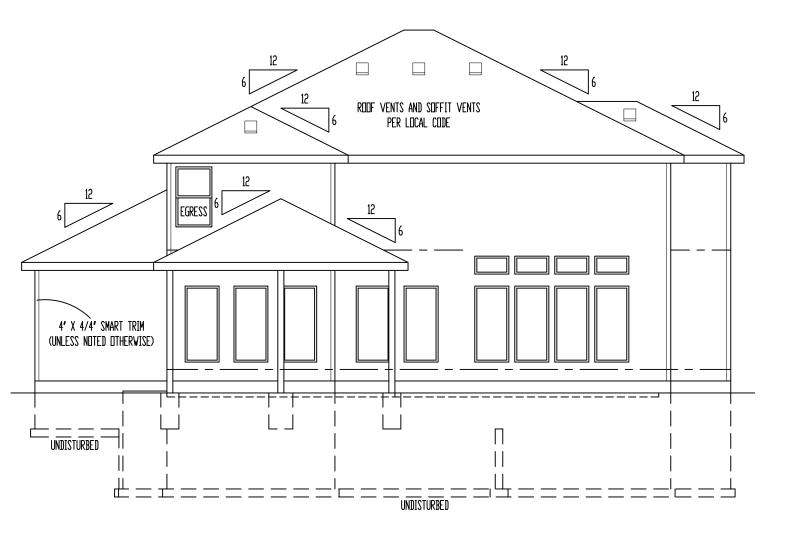


Date: 6 - 10 - AD 2023
Rev. 1:
Rev. 2:
Rev. 3:

Sheet Title:
FRONT
ELEVATION



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



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

ELEVATIONS:

SMART PANEL WOOD GRAIN SIDING ON SIDE AND REAR ELEVATIONS
COMPOSITION ROOF SHINGLES
LOCATE ROOF AND SOFFIT VENTS PER CODE
ADJUST FOUNDATION TO GRADE

OPTIONAL DECK:

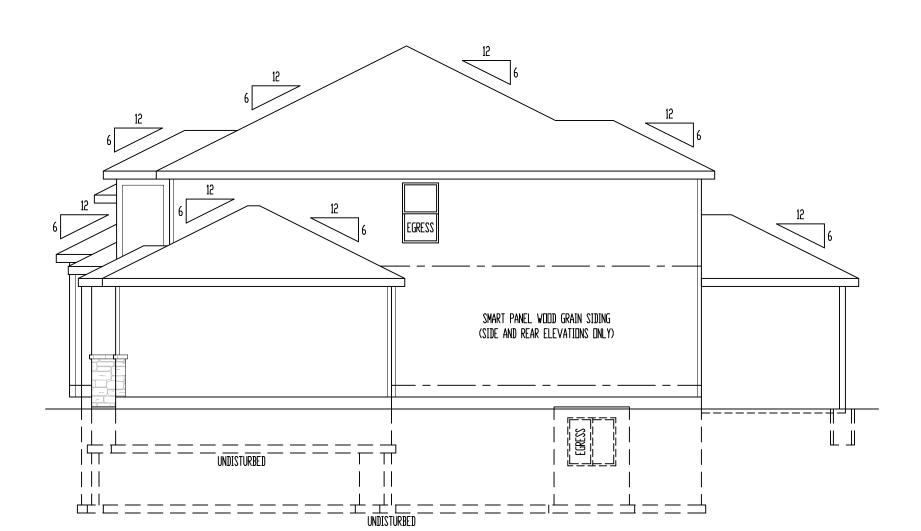
DECK CONSTRUCTION TO COMPLY WITH MUNICIPALITY'S

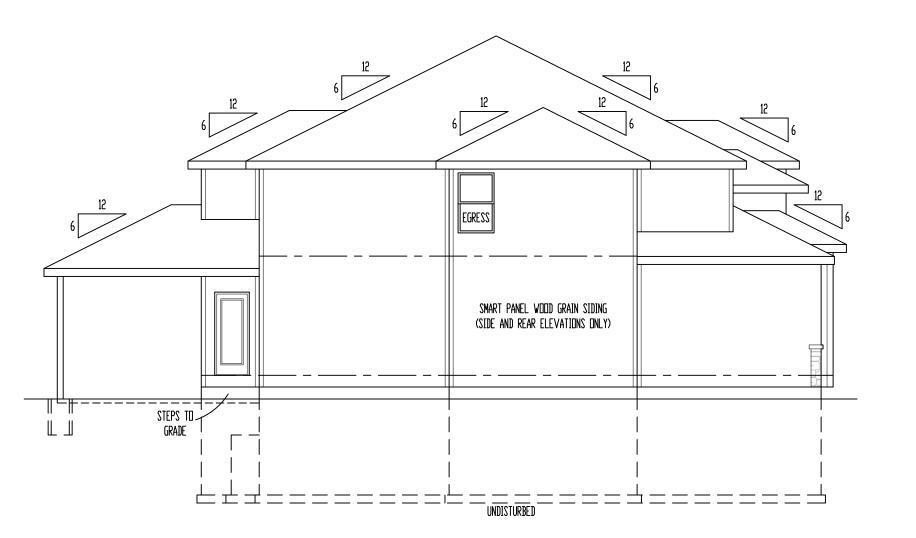
RESIDENTIAL DECK STANDARDS
2' X 10' #2 TTD. @ 16' D.C. FLOOR JOISTS (MAX. SPAN: 14'-0')
2' X 6' CEDAR DECKING

6' X 6' CEDAR/TTD. POSTS
2' X 2' CEDAR SPINDLES
2' X 6' CEDAR TOP RAIL

STAIRS PER PLAN

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





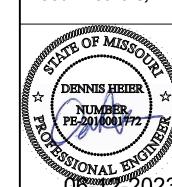
Design Title: **The**

DURANGO Site Description: Lot 102, Summit View

Farms 4th Plat
Street Address:
3211 SW Enoch St.,
Lee's Summit,

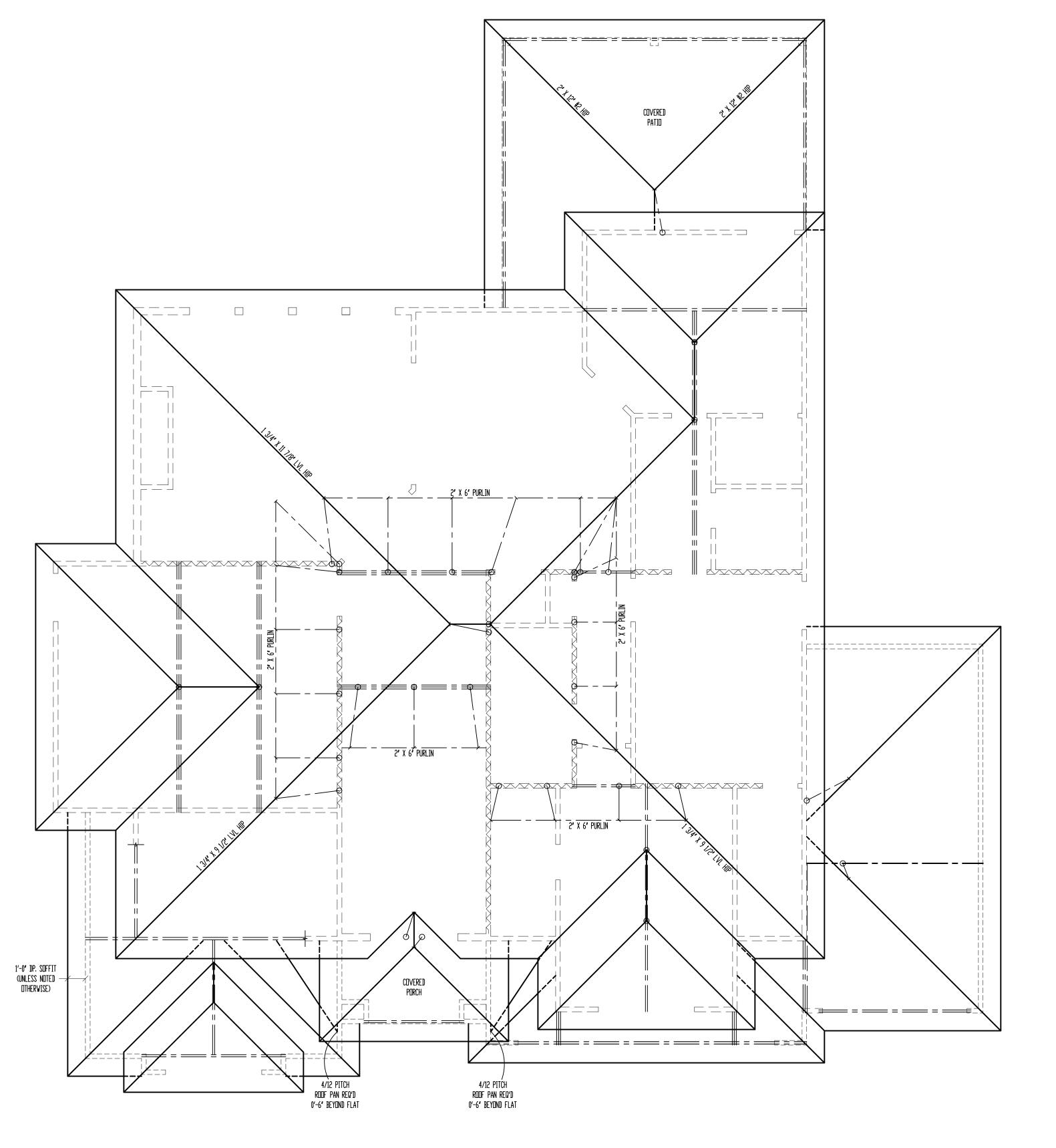
Missouri General Contractor:

Wood Brothers, Inc.



Date: <u>6 - 10 - AD</u> 2023 Rev. 1: Rev. 2: Rev. 3:

Sheet Title: SIDES & REAR **ELEVATIONS**



ROOF

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

*ALL RAFTERS SHALL BE 2" X 6" #2 @ 16" D.C., UNLESS NOTED OTHERWISE.

SEE DETAIL 7/S3.2 FOR ALTERNATE RAFTER BEARING DETAIL WHEN RAFTERS ARE REQUIRED TO BEAR HIGHER THAN THE WALL DOUBLE TOP PLATE.

FLASHING NOTE: DRIP EDGE, VALLEYS AND FLASHINGS TO BE METAL CLAD.

ROOF NOTES: ROOF DESIGNED FOR LIGHT ROOF COVERING 30psf Total Load (10psf DL, 20psf LL (SL))

* RAFTERS (HEM-FIR, DDUG-FIR, DR EQUAL): SEE SPAN CHARTS BELDW

	CODE MINI	MUM		
	RAFTERS	SPACING	MAX HORIZONTAL CLEARSPAN	
	#2-2x6	@24″ □.C.	11'-7 '	
$\rangle\rangle\rangle$	#2-2x6	016 ′ □.C.	14'-2 '	(((
	#2-2x8	@24" D.C.	14'-8 "	
	#2-2x8	016 ′ □.C.	17'-11 "	
	#2-2x10	@24" D.C.	17'-10 '	
	#2-2x10	016 ′ □.C.	21′-11 ′	
	NOTE: CODE	E MINIMUM ALL	DWS FOR A RAFTER DEFLECTION	OF L/180 TOTAL LOAD

HIGHER PERFORMANCE (RECOMMENDED)						
RAFTERS	SPACING	MAX HORIZONTAL CLEARSPAI				
#2-2x6	@24″ □.C.	8'-6 "				
#2-2x6	016 ′ □.C.	9'-9 '				
#2-2x8	@24″ □.C.	11'-3 '				
#2-2x8	016 ′ □.C.	12'-9 '				
#2-2x10	@24″ □.C.	14'-3 '				
#2-2x10	016 ′ □.C.	16'-3 '				

DEFLECTION = L/360 LIVE LOAD, L/240 TOTAL LOAD

* VAULTS TO BE 2x10 DEPTH

* RIDGE BOARDS ARE: (UNLESS OTHERWISE NOTED)
- #2- 2X8 UP TO 10/12 PITCH
- #2- 2X10 OVER 10/12 PITCH

* ALL HIPS & VALLEYS ARE: (UNLESS OTHERWISE NOTED)
- #2- 2X8 UP TO 10/12 PITCH
- #2- 2X10 OVER 10/12 PITCH

* PURLINS ARE 2X6 MIN. - PURLIN STRUTS ARE A

- PURLIN STRUTS ARE AT 4'-0' D.C. - PURLIN STRUTS SHALL BE INSTALLED AT NOT LESS THAN A 45 DEGREE ANGLE WITH THE HORIZONTAL

- ALL PURLINS STRUTS SHALL HAVE A MAXIMUM UNBRACED LENGTH DF 8'-0'
- PURLINS STRUTS SHALL BE CONSTRUCTED IN A
'T' CONFIGURATION AND PER THE FOLLOWING CHART:

PURLIN STRUT	MAX PURLIN STRUT LENGTH
(2) 2x4	8′-0 ′
(1) 2x4 & (1) 2x6	12'-0 '
(1) 2x6 & (1) 2x8	20'-0"
(2) 2x6 & (1) 2x8	30'-0 "
CONSULT ARCH./ENGR. >	30'-0 '

* RIDGE BRACES ARE SAME AS PURLIN BRACES-SPACING, SIZE, CONFIGURATION, & INSTALLATION (SEE PURLIN BRACE NOTES ABOVE) * HIP & VALLEY BRACES ARE SAME AS PURLIN SIZE, CONFIGURATION, & INSTALLATION (SEE PURLIN BRACE NOTES ABOVE)

* VERTICAL BRACE IF DOT IS UNDER HIP OR VALLEY

* SLASH IS TOP END OF BRACE (/),
DOT IS BOTTOM OF BRACE (o).

* DENOTES BEARING WALL

* DENOTES BEARING WALL

* DENOTES ROOF BRACE

* — DENOTES PURLIN

* — DENOTES BEARING STRUCTURE

fications are protected under feder iewpoint Residential Design, LLC one into the creation and design of

he Care and effort have gone into designer is not an architect or undertaken without the assista

that whosoever believeth in him hould not perish, but have everlasting life"

VIEWPOINT RESIDENTIAL DESIGN LLC

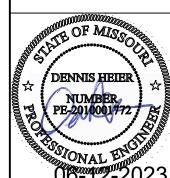
Design Title: **The**

DURANGO
Site Description:
Lot 102,
Summit View

Farms 4th Plat
Street Address:
3211 SW Enoch St.,
Lee's Summit,
Missouri

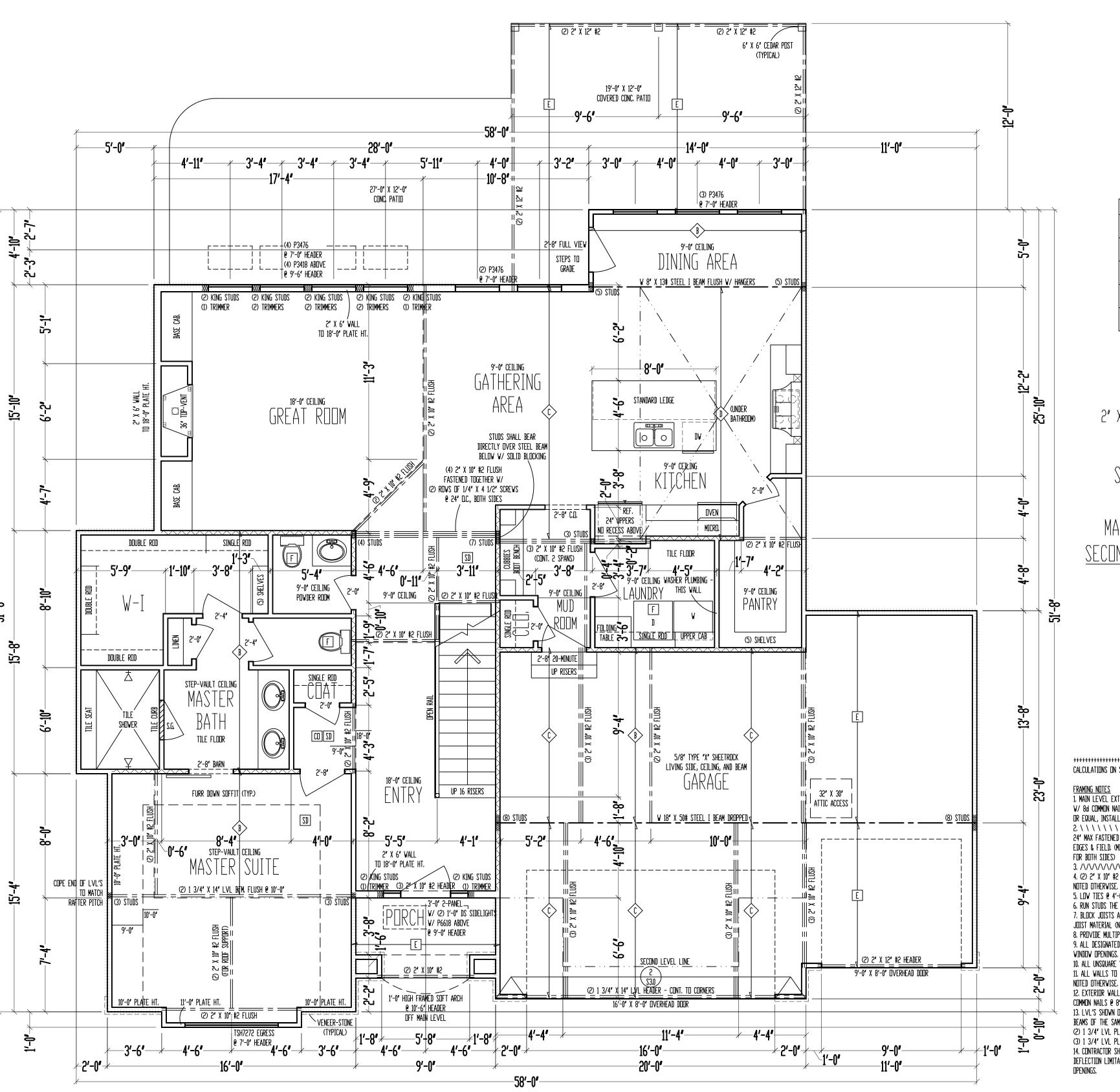
General Contractor:

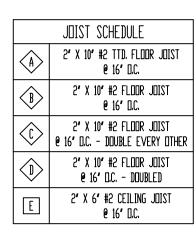
Wood Brothers, Inc.



Date: 6 - 10 - AD 2023
Rev. 1:
Rev. 2:
Rev. 3:

Sheet Title: ROOF PLAN





9'-0" CEILING 2" X 10" FLOOR SYSTEM ABOVE MAIN LEVEL SCALE: 1/4'' = 1'-0''

MAIN LEVEL: 1716 SQ. FT TDTAL: 3046 SQ, FT

> GARAGE: 695 SQ. FT. COV. DUT/LIV: 253 SQ. FT. UNFIN. BASEMENT: 1448 SQ. FT.

CALCULATIONS ON SHEET S1.1.

1. MAIN LEVEL EXTERIOR WALLS SHALL BE SHEATHED W/ 7/16' D.S.B. A.P.A. PANELS W/ 8d COMMON NAILS @ 6' D.C. AT EDGES & @ 12' D.C. IN THE FIELD. SMART PANEL, DR EQUAL, INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

2. \ \ \ \ \ \ \ \ = G.B.: 1/2" MIN. GYPSUM BOARD OVER STUDS SPACED 24' MAX FASTENED W/ ND. 6 - 1 1/4" TYPE W DR S DRYWALL SCREWS @ 7" D.C. EDGES & FIELD. (MIN. 8'-0' SECTIONS DNE SIDE OF WALL (OR) MIN. 4'-0' SECTION

3. /\/\/\/\/\/\\ = LOAD BEARING INTERIOR WALL. 4. (2) 2' X 10' #2 HEADER AT ALL EXTERIOR AND LOAD BEARING WALLS, UNLESS NOTED OTHERWISE.

5. LOW TIES @ 4'-0" D.C. (TYPICAL) 6. RUN STUDS THE FULL HEIGHT OF RAISED PLATE WALLS. 7. BLOCK JOISTS ABOVE BEAMS, CANTILEVERS AND LOAD BEARING WALLS WITH JOIST MATERIAL (NOT REQUIRED WITH I-JOISTS).

8. PROVIDE MULTIPLE STUDS FOR SOLID BEARING BELOW ALL BEAMS. 9. ALL DESIGNATED 2" X 6" WALLS SHALL HAVE DOUBLE KING STUDS AT DOOR AND WINDOW OPENINGS.

10. ALL UNSQUARE WALLS SHALL BE 45°, UNLESS NOTED OTHERWISE. 11. ALL WALLS TO BE FRAMED W/ MIN. STUD GRADE 2' X 4'S @ 16' D.C., UNLESS

12. EXTERIOR WALL BOTTOM PLATES SHALL BE NAILED TO FRAMING BELOW WITH 16d COMMON NAILS @ 8" D.C. MAX. (WHERE APPLICABLE.)

13. LVL'S SHOWN ON PLANS MAY BE REPLACED WITH DF/DF GRADE 24F-V4 GLULAM BEAMS OF THE SAME DEPTH, AND THE FOLLOWING WIDTHS: (2) 1 3/4" LVL PLIES = 3 1/2" GLULAM

(3) 1 3/4" LVL PLIES = 5 1/2" GLULAM 14. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD BEFORE CONSTRUCTION OF ANY DEFLECTION LIMITATIONS MORE STRINGENT THAN CODE MINIMUMS ABOVE ANY

Design Title: The **DURANGO**

Site Description: Lot 102, Summit View Farms 4th Plat

Street Address: 3211 SW Enoch St., Lee's Summit, Missouri

General Contractor: Wood Brothers, Inc.

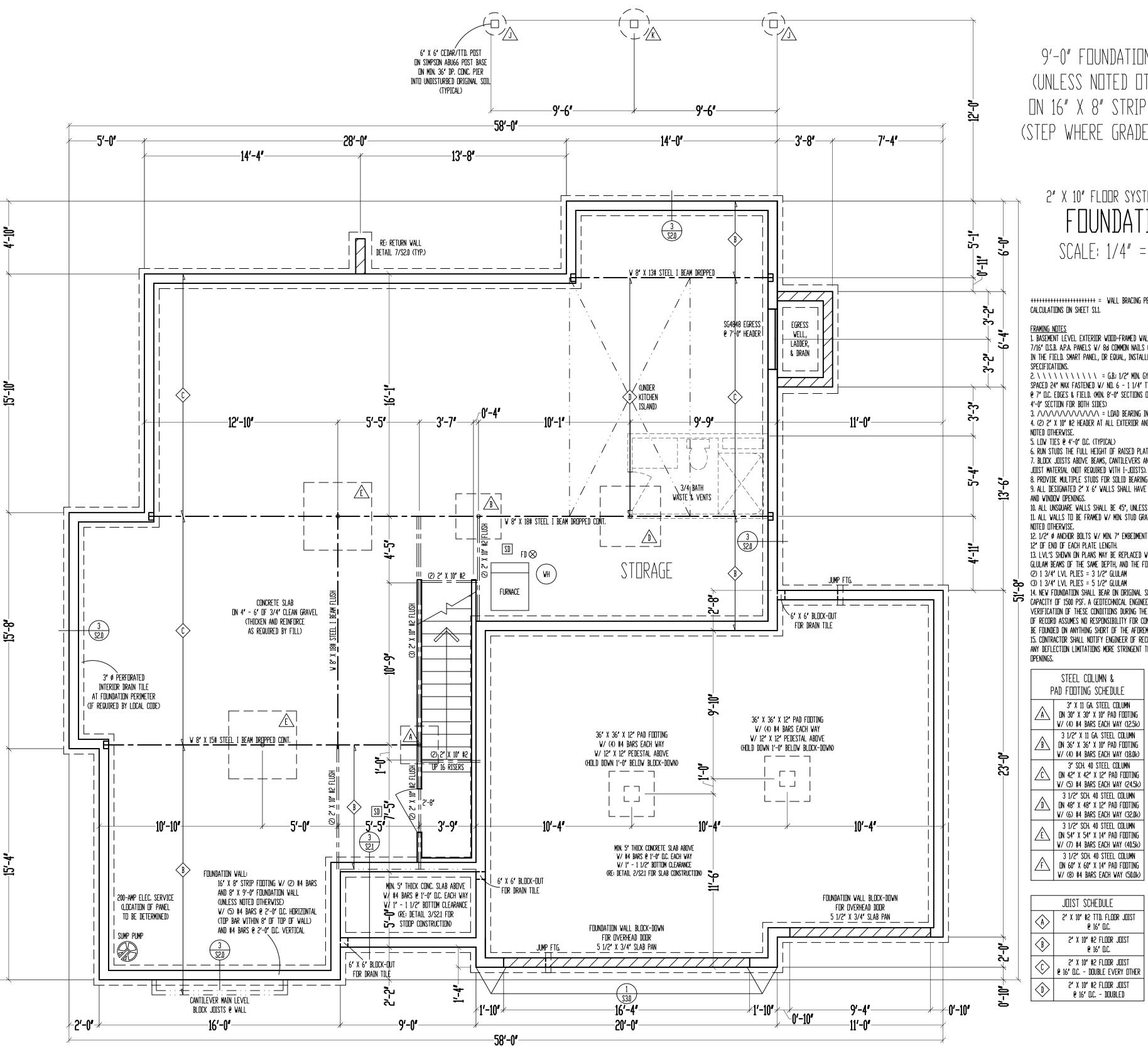


Date: 6 - 10 - AD 2023 Rev. 1:

Rev. 2: Rev. 3:

Sheet Title: MAIN LEVEL

PLAN Sheet No.:



9'-0" FOUNDATION WALLS (UNLESS NOTED OTHERWISE) ON 16" X 8" STRIP FOOTINGS (STEP WHERE GRADE REQUIRES)

> 2" X 10" FLOOR SYSTEM ABOVE FOUNDATION

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

1. BASEMENT LEVEL EXTERIOR WOOD-FRAMED WALLS SHALL BE SHEATHED W/ 7/16" D.S.B. A.P.A. PANELS W/ 8d COMMON NAILS @ 6" D.C. AT EDGES & @ 12" D.C. IN THE FIELD. SMART PANEL, OR EQUAL, INSTALLED PER MANUFACTURER'S

2. \ \ \ \ \ \ \ \ = G.B; 1/2" MIN. GYPSUM BOARD OVER STUDS SPACED 24" MAX FASTENED W/ NO. 6 - 1 1/4" TYPE W OR S DRYWALL SCREWS € 7' D.C. EDGES & FIELD. (MIN. 8'-0' SECTIONS ONE SIDE OF WALL (OR) MIN.

3. /\/\/\/\/\\ = LOAD BEARING INTERIOR WALL. 4. (2) 2' X 10' #2 HEADER AT ALL EXTERIOR AND LOAD BEARING WALLS, UNLESS

6. RUN STUDS THE FULL HEIGHT OF RAISED PLATE WALLS. 7. BLOCK JOISTS ABOVE BEAMS, CANTILEVERS AND LOAD BEARING WALLS WITH

8. PROVIDE MULTIPLE STUDS FOR SOLID BEARING BELOW ALL BEAMS. 9. ALL DESIGNATED 2" X 6" WALLS SHALL HAVE DOUBLE KING STUDS AT DOOR

10. ALL UNSQUARE WALLS SHALL BE 45°, UNLESS NOTED OTHERWISE. 11. ALL WALLS TO BE FRAMED W/ MIN. STUD GRADE 2" X 4"S @ 16" D.C., UNLESS

12. 1/2" Ø ANCHOR BOLTS W/ MIN. 7" EMBEDMENT @ 48" D.C. MAX. & WITHIN 6" -

13. LVL'S SHOWN ON PLANS MAY BE REPLACED WITH DF/DF GRADE 24F-V4 GLULAM BEAMS OF THE SAME DEPTH, AND THE FOLLOWING WIDTHS:

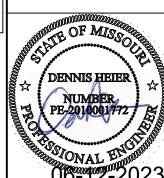
(2) 1 3/4" LVL PLIES = 3 1/2" GLULAM

14. NEW FOUNDATION SHALL BEAR ON ORIGINAL SOIL WITH MINIMUM BEARING CAPACITY OF 1500 PSF. A GEOTECHNICAL ENGINEER IS RECOMMENDED FOR VERIFICATION OF THESE CONDITIONS DURING THE EXCAVATION PHASE, ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION NOT VERIFIED TO BE FOUNDED ON ANYTHING SHORT OF THE AFOREMENTIONED REQUIREMENTS. 15. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD BEFORE CONSTRUCTION OF

ANY DEFLECTION LIMITATIONS MORE STRINGENT THAN CODE MINIMUMS ABOVE ANY

	STEEL COLUMN &		PIER FOOTING SCHEDULE		
PAD FOOTING SCHEDULE			<u>></u>	12" Ø PIER FTG.	
Â	3" X 11 GA. STEEL COLUMN ON 30" X 30" X 10" PAD FOOTING W/ (4) #4 BARS EACH WAY (12.5k)			16" Ø PIER FTG.	
B	3 1/2" X 11 GA. STEEL COLUMN DN 36" X 36" X 10" PAD FOOTING		\triangle	18" Ø PIER FTG.	
\wedge	V/ (4) #4 BARS EACH WAY (18.0k) 3' SCH. 40 STEEL COLUMN DN 42' X 42' X 12' PAD FOOTING		K	24" Ø PIER FTG.	
<u>/ </u>	W/ (5) #4 BARS EACH WAY (24.5k)		\triangleright	30' Ø PIER FTG.	
	3 1/2" SCH. 40 STEEL COLUMN ON 48" X 48" X 12" PAD FOOTING W/ (6) #4 RAPS FACH WAY (32 NV)				

N CUDE	MINIMOMS ARTIAE ANI
PIER	R FOOTING SCHEDULE
G	12" Ø PIER FTG.
Ĥ	16' Ø PIER FTG.
\triangle	18' Ø PIER FTG.
K	24" Ø PIER FTG.
Λ	30' Ø PIFR FTG.



Design Title:

The

DURANGO Site Description: Lot 102,

Summit View

Farms 4th Plat

Street Address:

3211 SW Enoch St.,

Lee's Summit,

Missouri

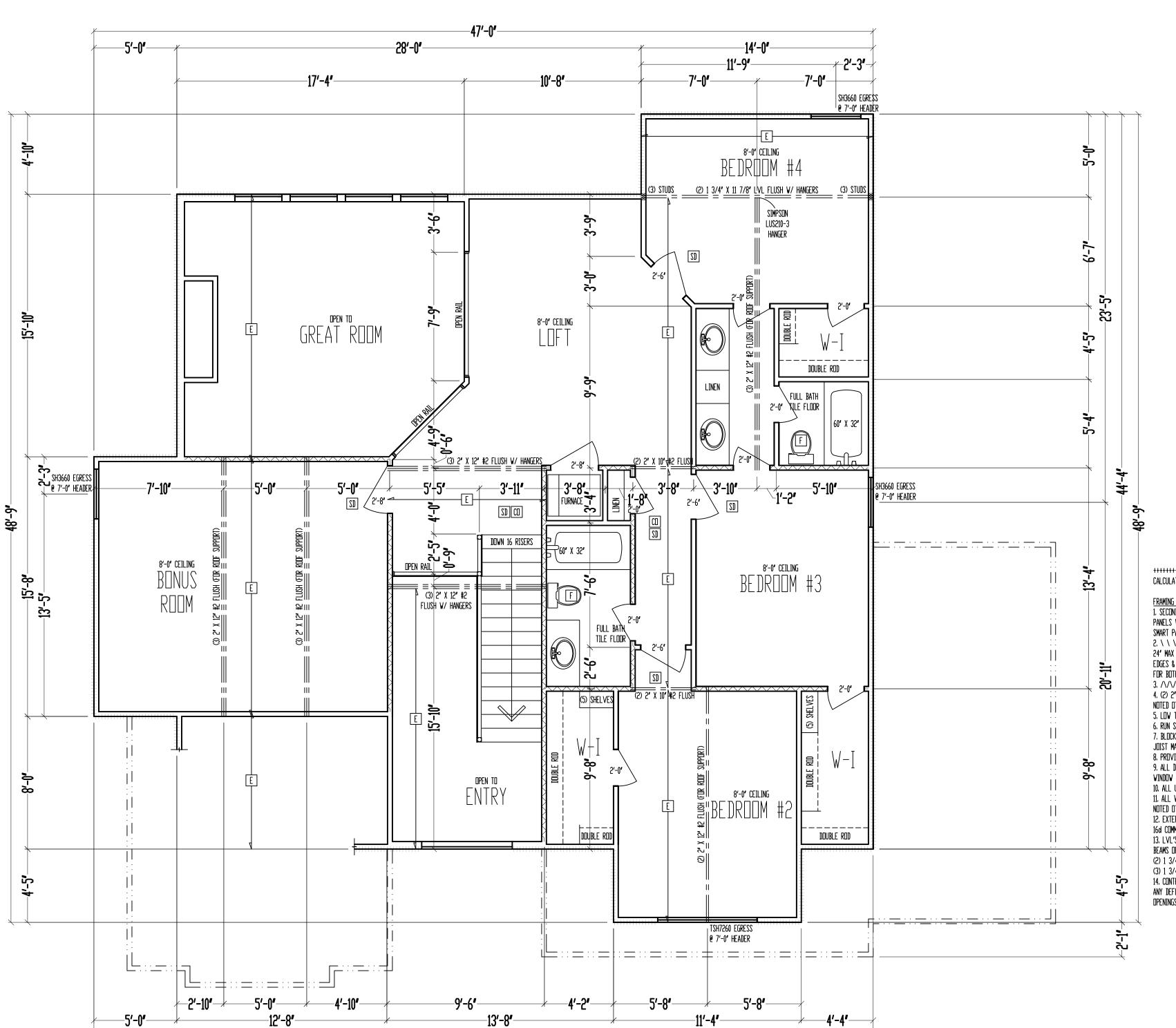
General Contractor:

Wood Brothers, Inc.

Date: 6 - 10 - AD 2023 Rev. 1: Rev. 2:

Rev. 3: Sheet Title:

FOUNDATION PLAN



-47**'-0'**-

JOIST SCHEDULE 2" X 6" #2 CEILING JOIST **€** 16″ □.C.

8'-0" CEILING SECOND LEVEL SCALE: 1/4" = 1'-0"

CALCULATIONS ON SHEET S1.1.

1. SECOND LEVEL EXTERIOR WALLS SHALL BE SHEATHED W/ 7/16' D.S.B. A.P.A. 2. \ \ \ \ \ \ \ \ = G.B.: 1/2' Min. Gypsum board over studs spaced 24' MAX FASTENED W/ ND. 6 - 1 1/4' TYPE W DR S DRYWALL SCREWS @ 7' D.C. EDGES & FIELD. (MIN. 8'-0" SECTIONS ONE SIDE OF WALL (OR) MIN. 4'-0" SECTION FOR BOTH SIDES)

3. $\/\/\/\/\/\/\$ = LOAD BEARING INTERIOR WALL. 4. (2) 2' X 10' #2 HEADER AT ALL EXTERIOR AND LOAD BEARING WALLS, UNLESS NOTED OTHERWISE.

5. LOW TIES @ 4'-0" D.C. (TYPICAL)

6. RUN STUDS THE FULL HEIGHT OF RAISED PLATE WALLS. 7. BLOCK JOISTS ABOVE BEAMS, CANTILEVERS AND LOAD BEARING WALLS WITH JOIST MATERIAL (NOT REQUIRED WITH I-JOISTS).

8. PROVIDE MULTIPLE STUDS FOR SOLID BEARING BELOW ALL BEAMS. 9. ALL DESIGNATED 2" X 6" WALLS SHALL HAVE DOUBLE KING STUDS AT DOOR AND WINDOW OPENINGS.

10. ALL UNSQUARE WALLS SHALL BE 45°, UNLESS NOTED OTHERWISE. 11. ALL WALLS TO BE FRAMED W/ MIN. STUD GRADE 2' X 4'S @ 16' D.C., UNLESS

NOTED OTHERWISE. 12. EXTERIOR WALL BOTTOM PLATES SHALL BE NAILED TO FRAMING BELOW WITH 16d COMMON NAILS @ 16" D.C. MAX. (WHERE APPLICABLE.)

13. LVL'S SHOWN ON PLANS MAY BE REPLACED WITH DF/DF GRADE 24F-V4 GLULAM BEAMS OF THE SAME DEPTH, AND THE FOLLOWING WIDTHS:

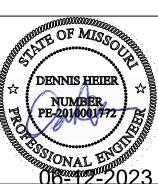
(2) 1 3/4" LVL PLIES = 3 1/2" GLULAM (3) 1 3/4" LVL PLIES = 5 1/2" GLULAM

14. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD BEFORE CONSTRUCTION OF ANY DEFLECTION LIMITATIONS MORE STRINGENT THAN CODE MINIMUMS ABOVE ANY

Design Title: The

DURANGO Site Description: Lot 102, **Summit View** Farms 4th Plat

Street Address: 3211 SW Enoch St., Lee's Summit, Missouri General Contractor: Wood Brothers, Inc.



Date: <u>6 - 10 - AD 2023</u> Rev. 1: Rev. 2:

Rev. 3: Sheet Title:

SECOND LEVEL PLAN

DESCRIPTION OF BUILDING ELEMENTS		
	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
0.0000000000000000000000000000000000000	ROOF 1	
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOE NAIL	4-8d (2 ½ " x 0.113")	TOENAIL
CEILING JOISTS TO PLATE, TOE NAIL	4-8d (2½" x 0.113")	PER JOIST, TOENAIL
CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS, FACE NAIL	4-10d (3" x 0.128")	FACE NAIL
CEILING JOIST TO PARALLEL RAFTER (HEEL JOINT)	TBLE R802.5.2	FACE NAIL
COLLAR TIE TO RAFTER, FACE NAIL OR 1 ½ x 20 GA. RIDGE STRAP TO RAFTER	4-10d (3" x 0.128")	FACE NAIL, EACH RAFTER
RAFTER OR ROOF TRUSS TO PLATE	3-16d BOX NAILS (3½" x 0.135") OR 3-10d COMMON NAILS (3" x 0.148")	2 TOE NAILS ON ONE SIDE AND 1 TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS
ROOF RAFTERS TO RIDGE, VALLEY, OR HIP RAFTERS OR ROOF RAFTER TO MINIMUM 2" RIDGE BEAM	4-16d (3 ½" x 0.135") - TOENAIL; 3-16d BOX (3 ½" x 0.135") - END NAIL	TOENAIL, END NAIL
	WALL	
STUD TO STUD (NOT AT BRACED WALL PANELS)	10d (3" x 0.128")	16" O.C. FACE NAIL
STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16d (3 ½ " x 0.135")	12" O.C. FACE NAIL
BUILT-UP HEADER, TWO PIECES WITH 1/2" SPACER	16d (3 ½ " x 0.135")	12" O.C. EACH EDGE FACE NAIL
CONTINUOUS HEADER TO STUD	4-8d (2 ½ " x 0.131")	TOENAIL
TOP PLATE TO TOP PLATE	10d (3" x 0.128")	12" O.C. FACE NAIL
DOUBLE TOP PLATE SPLICE	8-16d COMMON (3 ½" x 0.162")	FACE NAIL ON EACH SIDE OF END JOINT (MIN. 24 LAP SPLICE LENGTH EACH SIDE OF END JOINT)
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING (NOT AT BRACED WALL PANELS)	16d COMMON (3 ½" x 0.162")	16" O.C. FACE NAIL
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING (AT BRACED WALL PANEL)	3-16d BOX (3 ½" x 0.135")	3 EACH 16" O.C. FACE NAIL
TOP OR SOLE PLATE TO STUD, END NAIL	4-8d BOX (2 ½" x 0.113") - TOENAIL; 3-16d BOX (3 ½" x 0.135") - END NAIL	TOENAIL, END NAIL (SEE LEFT)
TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	3-10d BOX (3" x 0.128")	FACE NAIL
1" BRACE TO EACH STUD AND PLATE	3-8d BOX (2 ½" x 0.113")	FACE NAIL
1"x6" SHEATHING TO EACH BEARING	3-8d BOX (2 ½" x 0.113")	FACE NAIL
1"x8" SHEATHING TO EACH BEARING	3-8d BOX (2½" x 0.113") - FACE NAIL; WIDER THAN 1"x8" - 4-8d BOX (2½" x 0.113")	FACE NAIL
	FLOOR	
JOIST TO SILL, TOP PLATE, OR GIRDER	4-8d BOX (2 ½" x 0.113")	TOE NAIL
RIM JOIST, BAND JOIST, OR BLOCKING TO SILL OR TOP PLATE (ROOF APPLICATIONS ALSO)	8d BOX (2 ½" x 0.113")	4" O.C. TOE NAIL
1" x 6" SUBFLOOR OR LESS TO EACH JOIST	3-8d BOX (2 ½" x 0.113")	FACE NAIL
2" SUBFLOOR TO JOIST OR GIRDER	3-16d BOX (3 ½" x 0.135")	BLIND AND FACE NAIL
2" PLANKS (PLAN & BEAM - FLOOR AND ROOF)	3-16d BOX (3 ½" x 0.135")	AT EACH BEARING, FACE NAIL
BAND OR RIM JOIST TO JOIST	3-16d COMMON (3 ½" x 0.162")	END NAIL
	10d BOX (3" x 0.128")	24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
BUILT-UP GIRDERS AND BEAMS, 2-INCH LUMBER		GIAGGENED ON OFF ORFIE SIDES
BUILT-UP GIRDERS AND BEAMS, 2-INCH LUMBER LAYERS LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	4-16d BOX (3 ½" x 0.135")	AT EACH JOIST OR RAFTER, FACE NAIL

CRIPTION OF BUILDING MATERIAL WOOD STRUCTURAL PANELS, SU	SI DESCRIPTION OF FASTENER JBFLOOR, ROOF AND INTERIOR WALL SHEA	EDGE SPACING (INCHES) ATHING TO FRAMING AND PARTICLEBOA	I INTERMEDIATE SUPPORTS (INCH ARD WALL SHEATHING TO FRAMING
K" - K"	6d COMMON (2" x 0.113") NAIL (SUBFLOOR, WALL) 8d COMMON NAIL (ROOF)	6	12
¹⁹ / ₃₂ " - 1"	8d COMMON NAIL (2 ½ " x 0.131")	6	12
1 ½ " - 1½"	10d COMMON (3" x 0.148") NAIL OR 8d (2½" x 0.131") DEFORMED NAIL	6	12
	OTHER WALL	SHEATHING 1	
½" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	$1\frac{1}{2}$ " GALVANIZED ROOFING NAIL, $\frac{7}{6}$ " HEAD DIAMETER, OR $1\frac{1}{4}$ " LONG 16 GA. STAPLE WITH $\frac{7}{6}$ " OR 1" CROWN	3	6
25" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	$1\frac{2}{4}$ " GALVANIZED ROOFING NAIL, $\frac{7}{6}$ " HEAD DIAMETER, OR $1\frac{1}{2}$ " LONG 16 GA. STAPLE WITH $\frac{7}{6}$ " OR 1" CROWN	3	6
½ " GYPSUM SHEATHING	1½" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1½" LONG; 1½" SCREWS, TYPE W OR S	7	7
% " GYPSUM SHEATHING	1¾" GALVANIZED ROOFING NAIL; STAPLE GALVANIZED, 1¾" LONG; 1¾" SCREWS, TYPE W OR S	7	7
v	VOOD STRUCTURAL PANELS, COMBINATIO	N SUBFLOOR UNDERLAYMENT TO FRAM	IING
% " AND LESS	6d DEFORMED (2" x 0.120") NAIL OR 8d COMMON (2½" x 0.131") NAIL	6	12
½ " - 1"	8d COMMON (2½" x 0.131") NAIL OR 8d DEFORMED (2½" x 0.120") NAIL	6	12
1 ½ " - 1 ½ "	10d COMMON (3" x 0.148") NAIL OR 8d DEFORMED (2½" x 0.120") NAIL	6	12

1. IF INFORMATION LISTED ON PLAN SHEETS CONTRADICTS INFORMATION IN THIS TABLE, INFORMATION ON PLANS TAKES PRECEDENCE OVER INFORMATION LISTED IN THIS TABLE

FOUNDATION NOTES

- CONCRETE SHALL BE AIR-ENTRAINED BETWEEN 5%-7% WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2500 PSI FOR BASEMENT AND INTERIOR FLOOR SLABS-ON-GRADE, 3000 PSI FOR FOUNDATION WALLS, AND 3500 PSI FOR PORCHES AND GARAGE FLOOR SLABS
- THE FOUNDATION DESIGN SHALL COMPLY WITH THE ENFORCING JURISDICTION'S RESIDENTIAL FOUNDATION
- PROVIDE A MINIMUM 4"-DIAMETER PERFORATED DRAIN PIPE ALONG PERIMETER OF USABLE SPACE AT FOOTING LEVEL OR OTHER EQUIVALENT MATERIALS PER IRC SECTION R405.1. THE PIPE SHALL BE COVERED WITH A MINIMUM OF 6" OF GRAVEL OR CRUSHED ROCK. THE DRAIN SHALL DAYLIGHT BELOW FOOTING LEVEL OR TERMINATE IN A MINIMUM 20 GALLON SUMP PIT.
- 4. FOUNDATION SHALL BE DESIGNED FOR A BEARING CAPACITY OF 1500 PSF AND FOUNDED ON COMPETENT ORIGINAL SOIL AS DETERMINED AND CONFIRMED BY A LICENSED GEOTECHNICAL ENGINEER OR ENGINEERING GEOLOGIST. ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION NOT VERIFIED TO BE FOUNDED ON ANY SOIL WITH THE AFOREMENTIONED MINIMUM PROPERTIES.
- 5. FOOTINGS SHALL BE A MINIMUM OF 16" WIDE x 8" DEEP AND SHALL HAVE A MINIMUM OF (2) CONTINUOUS GRADE 40
 #4 BARS WITH 3" BOTTOM CLERANCE. BOTTOM OF FOOTING SHALL BE LOCATED A MINIMUM OF 3'-0" BELOW GRADE
- FOR FROST PROTECTION.
 6. CONCRETE PADS SUPOPORTING COLUMN LOADS SHALL BE NO SMALLER THAN 2'-0" x 2'-0" x 1'-0" DEEP WITH A
- MINIMUM OF (4) GRADE 40 #4 BARS EACH WAY WITH 3" BOTTOM CLEARANCE FOUNDATION WALLS SHALL BE A MINIMUM OF 8" NOMINAL WIDTH AND SHALL HAVE HOIZONTAL GRADE 40 #4 BARS AT 2'-0" O.C. MAX. WITH VERTICAL #4 BARS AS REQUIRED ON FOUNDATION CROSS SECTION ON SHEET S2.0
- REINFORCEMENT SHALL LAP A MINIMUM OF 2'-0" (CLASS B SPLICE)
- INTERIOR BEARING WALLS AND COLUMNS SHALL BE ISOLATED FROM THE BASEMENT FLOOR SLAB
- BASEMENT FLOOR SLAB SHALL BE A MINIMUM OF 4" THICK ON A MINIMUM BASE COURSE OF 4" TO 6" OF SAND, GRAVEL OR CRUSHED ROCK. BETWEEN THE BASE COURSE AND FLOOR SLAB SHALL BE PLACED A 6-MIL POLY VAPOR RETARDER WITH MINIMUM OVERLAP OF 6" AT DISCONTINUITIES
- IF A FLOOR IS TO BE SUPPORTED BY A MINIMUM OF 2'-0" OF GRANULAR FILL OR 8" OF EARTH, BASEMENT SLAB SHALL BE DESIGNED BY A LICENSED ENGINEER
- SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WALL WITH ½" Ø ANCHOR BOLTS EMBEDDED A MINIMUM OF
 7" INTO CENTER OF WALL STEM AND SHALL BE INSTALLED AT A MAXIMUM OF 6'-0" O.C. (OR AS NOTED ON PLANS)
 AND SHALL BE INSTALLED WITHIN 6" TO 12" OF EACH END OF EACH SILL PLATE LENGTH, PER IRC SECTION R403.1.6
 FOUNDATION WINDOW WELLS SHALL BE PROVIDED WITH MINIMUM DIMENSIONS AS SHOWN IN DETAIL ON SHEET
- \$2.014. THE GARAGE FLOOR SHALL SLOPE TOWARD THE VEHICLE DOORS OR TO A TRENCH OR UNTRAPPED DRAIN THAT

FRAMING NOTES

- 15. ALL DIMENSIONAL LUMBER SHALL BE DOUGLAS-FIR-LARCH GRADE #2, UNLESS NOTED OTHERWISE ON PLANS
 16. ALL INTERIOR LOAD-BEARING AND EXTERIOR WALL HEADERS SHALL BE (2) #2 2x10's, UNLESS NOTED OTHERWISE
- 7. BLOCK OVER BEAMS AND AT CANTILEVERS AND DOOR JAMBS

DISCHARGES TO THE EXTERIOR, ABOVE GRADE

- 8. INTERIOR NON-BEARING WALLS RESTING ON BASEMENT SLAB SHALL BE ISOLATED FROM ABOVE FRAMING BY A
- MINIMUM OF ½"

 9. ALL HEADERS/BEAMS SHALL BEAR ON A MINIMUM OF (2) 2x4 POSTS (KING AND JACK STUDS), UNLESS NOTED

 OTHERWISE
- 20. WHERE JOISTS SPAN PARALLEL TO FOUNDATION, BLOCKING SHALL BE PROVIDED IN THE TWO SPACES MOST ADJACENT TO THE FOUNDATION WALL AT 4'-0" O.C. FOR THE PURPOSE OF TRANSFERRING LATERAL FOUNDATION WALL LOAD TO THE FLOOR DIAPHRAGM. FASTEN JOISTS AND BLOCKING TO SILL PLATE WITH (4) 10d NAILS. IF MECHANICAL DUCTWORK IS INSTALLED IN ONE OF THESE FIRST TWO BAYS, FASTEN 2x4's FLAT AT 4'-0" O.C. BETWEEN JOIST(S) AND/OR SILL AND PROVIDE BLOCKING AS PRESCRIBED ABOVE IN THE NEXT TWO JOIST BAYS. SECURE 2x4's TO JOIST(S)/SILL PLATE WITH (4) 10d NAILS.
- 1. ALL WOOD MATERIAL SUPPORTED ON CONCRETE OR MASONRY SHALL BE TREATED OR OF DECAY-RESISTANT MATERIAL
- JOISTS UNDER BEARING PARTITIONS ON PLANS HAVE BEEN SIZED TO SUPPORT THE DESIGN LOAD.
 JOISTS FRAMING INTO THE FACE OF A STEEL OR WOOD BEAM SHALL BE SUPPORTED WITH APPROPRIATE
- 24. JOISTS FRAMED ON TOP OF STRUCTURAL MEMBER SHALL BE SUPPORTED AT EN DS BY FULL-DEPTH SOLID BLOCKING MIN. 1%" IN THICKNESS OR BY FASTENING RIM TO JOISTS PER FASTENING TABLE TO LEFT
- 25. ALL WALL COVERINGS SHALL COMPLY WITH IRC SECTION R702.3
- 26. ALL RAFTERS AND COLLAR TIES SHALL COMPLY WITH IRC SECTION R802.3.
- 7. ALL RAFTERS SHALL HAVE 2x4 COLLAR TIES @ 4'-0" O.C. IN UPPER 1/3 OF VERTICAL DISTANCE BETWEEN CEILING AND
- 8. BLOCKING BETWEEN JOISTS UNDER A LOAD-BEARING WALL IS NOT REQUIRED
- 29. PER IRC SECTION 501.3, BOTTOM OF ALL FLOOR ASSEMBLIES ABOVE UNFINISHED AREAS SHALL BE PROVIDED WITH A ½" GYPSUM BOARD MEMBRANE OR RESIDENTIAL FIRE SPRINKLER SYSTEM WHEN FLOOR SYSTEM IS CONSTRUCTED OF OTHER THAN DIMENSION LUMBER OR STRUCTURAL COMPOSITE LUMBER EQUAL TO OR GREATER THAN 2x10 NOMINAL DIMENSION(WHERE REQUIRED BY ENFORCING JURISDICTION)
- ENGINEERED LVL's SHALL HAVE MINIMUM PROPERTIES OF Fb = 2600 psi, E=1900 ksi, AND Fv=285 psi
 ENGINEERED PARALLAMS SHALL HAVE MINIMUM PROPERTIES OF Fb = 2600 psi, E = 2000 ksi, AND Fv = 290 psi
- 32. COLUMN CONNECTION TO STEEL BEAMS SHALL BE WITH A CLIP POST CAP WITH ALL FOUR TAB EARS BENT AROUND THE BOTTOM FLANGE OF THE BEAM. FOR A BEARING PLATE, FOUR HOLES SHALL BE DRILLED IN THE BOTTOM FLANGE OF THE STEEL BEAM TO MATCH THE HOLE PATTERN OF THE PLATE. ½" x 2" BOLTS SHALL THEN BE INSTALLED WITH A FLAT WASHER, LOCK WASHER, AND A NUT IN EACH OF THE HOLES. THE POST CAP MAY BE WELDED TO THE STEEL BEAM IN ACCORDANCE WITH AWS D1.1-92 AS AN ALTERNATIVE, AND WOULD NEED TO BE INSPECTED BY AN AWS-CERTIFIED INSPECTOR.
- 33. WHEN MECHANICAL EQUIPMENT IS LOCATED IN AN ENCLOSED ROOM, THERE SHALL BE (2) 14"x12" VENTS LOCATED IN A WALL COMMON WITH ADDITIONAL LIVING AREA. ONE VENT SHALL BE LOCATED SUCH THAT THE BOTTOM OF THE VENT BEGINS 12" FROM THE FLOOR AND THE OTHER VENT SHALL BE LOCATED SUCH THAT THE TOP OF THE VENT BEGINS 12" FROM THE CEILING.
- 4. ALL ROOF SHEATHING SHALL BE $\frac{7}{16}$ " OSB WITH 8d COMMON NAILS @ 6" O.C. AT PANEL EDGES AND @ 12" O.C. IN FIELD

GLAZING NOTES

- 35. GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC SECTION R308.4 SHALL BE OF APPROVED SAFETY GLAZING MATERIALS. GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPENABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 2'-0" ARC OF THE DOOR IN A CLOSED POSITION AND FOR WHICH THE BOTTOM EDGE IS WITHIN 5'-0" OF THE FLOOR, WALLS ENCLOSING STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 5'-0" OF THE TOP OR BOTTOM OF THE STAIR, ENCLOSURES FOR SPAS, TUBS, SHOWERS, AND WHIRLPOOLS, GLAZING IN FIXED OR OPENABLE PANELS EXCEEDING NINE SQUARE FEET AND FOR WHICH THE
- BOTTOM EDGE IS LESS THAN 1'-6" ABOVE THE FLOOR OR WALKING SURFACE WITHIN 3'-0"
 36. ALL OPERABLE WINDOWS SHALL HAVE FALL PROTECTION PER IRC SECTION R612.2

ATTIC VENTILATION

ENCLOSED ATTICS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. VENTILATING OPENINGS SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE MESH, WITH $\frac{1}{6}$ " TO $\frac{1}{6}$ " OPENINGS. THE TOTAL FREE VENTILATING AREA SHALL NOT BE LESS THAN $\frac{1}{6}$ 50 OF THE AREA OF SPACE VENTILATED, EXCEPT WHERE THE VENTILATORS ARE LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED - THE REQUIRED AREA MAY BE REDUCED TO 1/300.

EMERGENCY EGRESS

- 38. PROVIDE A MINIMUM OF ONE WINDOW FOR EACH BEDROOM THAT HAS A MINIMUM OPENABLE AREA OF 5.7 SQUARE FEET WITH A MINIMUM OPENABLE HEIGHT OF 2'-0" AND A MINIMUM WIDTH OF 1'-9". IN ADDITION, THE OPENABLE PORTION OF FORESS WINDOWS SHALL NOT EXCEED 3'-8" ABOVE THE ADJOINING FLOOR OR PERMANENT STEP
- 19. PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING AREA AND ON EACH FLOOR, INCLUDING BASEMENT (IF APPLICABLE). ALARMS SHALL BE HARDWIRED TOGETHER SO THAT THE ACTIVATION OF ONE SMOKE ALARM WILL ACTIVATE ALL SMOKE ALARMS IN THE DWELLING. PROVIDE CARBON MONOXIDE DETECTORS OUTSIDE EACH SLEEPING AREA.

MASONRY VENEER

- 0. MASONRY VENEER SHALL BE ANCHORED TO THE SUPPORTING WALL STUDS WITH CORROSION-RESISTANT METAL TIES EMBEDDED IN MORTAR OR GROUT AND EXTENDING INTO THE VENEER A MINIMUM OF 1½", WITH NOT LESS THAN 5/6" MORTAR OR GROUT COVER TO OUTSIDE FACE.
- VENEER TIES, IF STRAND WIRE, SHALL NOT BE LESS IN THICKNESS THAN NO. 9 U.S. GAGE WIRE AND SHALL HAVE A
 HOOK EMBEDDED IN THE MORTAR JOINT, OR IF SHEET METAL, SHALL BE NOT LESS THAN NO. 22 U.S. GAGE BY ⁷/₆"
 CORRUGATED.

EACH TIE SHALL SUPPORT NOT MORE THAN 2.67 SQUARE FEET OF WALL AREA AND SHALL BE SPACED NOT MORE

- THAN 32 INCHES ON CENTER HORIZONTALLY AND 24 INCHES ON CENTER VERTICALLY.

 43. VENEER TIES AROUND WALL OPENINGS: ADDITIONAL METAL TIES SHALL BE PROVIDED AROUND ALL WALL
- 3. VENEER TIES AROUND WALL OPENINGS: ADDITIONAL METAL TIES SHALL BE PROVIDED AROUND ALL WALL OPENINGS GREATER THAN 16 INCHES IN EITHER DIMENSION. METAL TIES AROUND THE PERIMETER OF OPENINGS SHALL BE SPACED NOT MORE THAN 3 FEET ON CENTER AND PLACED WITHIN 12 INCHES OF THE WALL OPENING.

GARAGE NOTES

- 44. DOOR(S) BETWEEN THE GARAGE AND DWELLING SHALL BE MINIMUM 1%" SOLID CORE OR HONEY-COMBED STEEL
- DOOR WITH 20-MINUTE FIRE RATING EQUIPPED WITH A SELF-CLOSING DEVICE

 45. VEHICLE DOORS AND FRAMES SHALL BE DESIGNED AND INSTALLED TO MEET THE 115-MPH 3-SECOND GUST

45. VEHICLE DOORS AND FRAMES SHALL BE DESIGNED AND INSTALLED TO MEET THE 115-MPH 3-SECOND GUST ROOM LOADING PER DASMA 108 AND ASTM E 330-96 PER IRC 2018 MILLITIDE BLY WOOD BEAM EASTENING SCHEDUL.

		MULTIPLE-PLY WOOD BEA	IN FASTENING SCHEDULE		
DIMENSIONAL LUMBER BEAM SIZE/TYPE	FASTENERS	LVL BEAM SIZE/TYPE	FASTENERS	LVL BEAM SIZE/TYPE	FASTENERS
(2) 2x	(2) ROWS 10d @ 12" O.C. ONE SIDE	(2) 1 $\frac{3}{4}$ " UP TO 11 $\frac{7}{8}$ " DEPTH	(2) ROWS 16d @ 12" O.C. ONE SIDE	(3) 1 ¾" x 14"+ DEPTH	(3) ROWS 16d @ 12" O.C. BOTH SIDES
(3) 2x	(2) ROWS 10d @ 12" O.C. BOTH SIDES	(2) 1 ¾" 14"+ DEPTH	(3) ROWS 16d @ 12" O.C. ONE SIDE	(4) 1 ¾" UP TO 11 ½" DEPTH	(2) ROWS ½" x 5" SIMPSON SDS OR SDWS SCREWS @ 16" O.C. STAGGERED TOP & BOTTOM BOTH SIDES
(4) 2x	(2) ROWS ½" x 5" SIMPSON SDS SCREWS @ 16" O.C. STAGGERED TOP & BOTTOM, BOTH SIDES	(3) 1 $\%$ " UP TO 11 $\%$ " DEPTH	(2) ROWS OF 16d @ 12" O.C. BOTH SIDES	(4) 1 ¾" x 14"+ DEPTH	(3) ROWS ½" x 5" SIMPSON SDS OR SDWS SCREWS @ 16" O.C. STAGGERED TOP & BOTTOM BOTH SIDES

GARAGE NOTES (CONTINUED)

- 44. THE GARAGE SHALL BE SEPARATED FROM THE DWELLING AND ITS ATTIC AREAS BY MINIMUM %" GYP. BOARD APPLIED TO THE GARAGE SIDE OF FRAMING. WHERE HABITABLE SPACE OCCURS ABOVE THE GARAGE, THE GARAGE CEILING ASSEMBLY SHALL BE PROTECTED WITH A MINIMUM %" TYPE X GYP. BOARD. WHERE A FLOOR/CEILING SPACE IS PROVIDED ABOVE THE GARAGE COLUMNS AND BEAMS SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED WITH \$" GYP. BOARD.
- SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED WITH 5" GYP. BOARD.

 45. GARAGE DOOR H-FRAME FOR THE ATTACHMENT OF THE TRACK AND COUNTER
 BALANCE SHALL CONSIST OF THE FOLLOWING: 2x6 VERTICAL JAMBS RUNNING FROM
 FLOOR TO CEILING AND SHALL BE FASTENED WITH 2½"" x 0.120" NAILS AT 7" O.C.
 STAGGERED WITH (7) 3½" x 0.120" NAILS THROUGH THE JAMB INTO THE HEADER.
 MINIMUM 2x8 HEADER FOR ATTACHMENT OF COUNTER BALANCE SYSTEM.

DESIGN LOADING (PER TABLE R301.5)

MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS (PSF)					
USE LIVE LOAD DEAD LOAD					
UNINHABITABLE ATTICS WITHOUT STORAGE	10	10			
UNINHABITABLE ATTICS WITH LIMITED STORAGE	20	10			
HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS	30	10			
BALCONIES (EXTERIOR) AND DECKS	40	10 ^d			
FIRE ESCAPES	40	10			
GUARDRAILS AND HANDRAILS ^a	200°	-			
GUARDRAIL IN-FILL COMPONENTS ^b	50 ^c	-			
PASSENGER VEHICLE GARAGES	50	DEPENDENT UPON SLAI CONSTRUCTION			
ROOMS OTHER THAN SLEEPING ROOM	40	10 ^d			
SLEEPING ROOM	30	10 ^d			
STAIRS	40	10 ^d			

a. A single concentrated load applied in any direction at any point along the top.b. Guard in-fill components (all those except the handrail), ballusters and panel fillers shall be designed to

withstand a horizontally applied normal load of 50 pounds on an area equal to one square foot. This load need not be assumed to act concurrently with any other live load requirement.

c. Glazing used in handrail assemblies and guards shall be designed with a safety factor of 4. The safety factor shall be applied to each of the concentrated loads applied to the top of the rail, and to the load on the

infill components. These loads shall be determined independently of one another, and loads are assumed

not to occur with any other live load.
d. An additional dead loading of 10 psf shall be applied where thinset tile floor is to be installed. An additional dead loading of 50 psf shall be applied where mudset tile floor is to be installed.

INSULATION/EFFICIENCY

- BUILDING ENVELOPE INSULATION SHALL COMPLY WITH IRC TABLE N1102.1.1 OR THE 2012 IECC (SEE SHEET S3.1 FOR FRAMING DETAILS AND TABLES ON THIS SHEET FOR MORE INFORMATION)
- CATHEDRAL -VAULTED CEILING FRAMING SHALL BE FRAMED WITH A MINIMUM INSULATION VALUE OF R-38. IF VAULTED RAFTERS DO NOT PROVIDE REQUIRED DEPTH TO ACHIEVE R-38 INSULATION BUILDER SHALL FUR DOWN RAFTERS PER DETAILS PROVIDED ON SHEET S3.1.

INSULATION AND FENESTRATION REQUIRE	MENTS BY COMPONENT (TABLE N1102.1.1)
CLIMATE ZONE	4-A
FENESTRATION U-FACTOR	0.35
SKYLIGHT U-FACTOR	0.55
GLAZED FENSTRATION SHGC	0.40
CEILING R-VALUE	49
WOOD FRAME WALL R-VALUE	15
MASS WALL R-VALUE	8 / 13
FLOOR R-VALUE	19
BASEMENT WALL R-VALUE	10-CONTINUOUS OR 13-CAVITY
SLAB R-VALUE AND DEPTH	10 AT 2'-0"
CRAWL SPACE WALL R-VALUE	10-CONTINUOUS OR 13-CAVITY
DUCTWORK EXPOSED TO OUTSIDE AIR R-VALUE	8
DUCTWORK NOT EXPOSED TO OUTSIDE AIR R-VALUE	6
CATHEDRAL VAULTED CEILING R-VALUE	38

DUCT SEALING

N1103.2.2 (R403.2.2) SEALING (MANDATORY). DUCTS, AIR HANDLERS, AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH SECTION M1601.4.1 OF 2018 IRC. EXCEPTIONS:

- AIR-IMPERMEABLE SPRAY FOAM PRODUCTS SHALL BE PERMITTED TO BE APPLIED WITHOUT ADDITIONAL JOINT SEALS.
- WHERE A DUCT CONNECTION IS MADE THAT IS PARTIALLY INACCESSIBLE, THREE SCREWS OR RIVETS SHALL BE EQUALLY SPACED ON THE EXPOSED PORTION OF THE JOINT SO AS TO PREVENT A HINGE EFFECT.
- CONTINUOUSLY WELDED AND LOCKING-TYPE LONGITUDINAL JOINTS AND SEAMS IN DUCTS OPERATING AT STATIC PRESSURES LESS THAN 2 INCHES OF WATER COLUMN PRESSURE CLASSIFICATION SHALL NOT REQUIRE ADDITIONAL CLOSURE SYSTEMS.

DUCT TIGHTNESS SHALL BE VERIFIED BY EITHER OF THE FOLLOWING: 1. POST-CONSTRUCTION TEST: TOTAL LEAKAGE SHALL BE LESS THAN OR EQUAL TO 4 CFM PER 100 SQUARE FEET OF CONDITIONED FLOOR AREA WHEN TESTED AT A PRESSURE DIFFERENTIAL OF 0.1 INCHES W.G. ACROSS THE ENTIRE SYSTEM, INCLUDING THE

MANUFACTURER'S AIR HANDLER ENCLOSURE. ALL REGISTER BOOTS SHALL BE TAPED OR OTHERWISE SEALED DURING THE TEST.

2. ROUGH-IN TEST: TOTAL LEAKAGE SHALL BE LESS THAN OR EQUAL TO 4 CFM PER 100 SQUARE FEET OF CONDITIONED FLOOR AREA WHEN TESTED AT A PRESSURE DIFFERENTIAL OF 0.1 INCHES W.G. ACROSS THE SYSTEM, INCLUDING THE MANUFACTURER'S AIR HANDLER ENCLOSURE. ALL REGISTERS SHALL BE TAPED OR

OTHERWISE SEALED DURING THE TEST. IF THE AIR HANDLER IS NOT INSTALLED AT THE

TIME OF THE TEST, TOTAL LEAKAGE SHALL BE LESS THAN OR EQUAL TO 3 CFM PER 100

SQUARE FEET OF CONDITIONED FLOOR AREA. **EXCEPTION:** THE TOTAL LEAKAGE TEST IS NOT REQUIRED FOR DUCTS AND AIR HANDLERS LOCATED ENTIRELY WITHIN THE BUILDING THERMAL ENVELOPE.

MECHANICAL VENTILATION SYSTEM FAN EFFICACY						
AIR FLOW RATE MINIMUM (CFM)	(CFM/WATT)	AIR FLOW RATE MAXIMUM (CFM)				
ANY	2.8	ANY				
ANY	2.8	ANY				
10	1.4	90				
90	2.8	ANY				
	AIR FLOW RATE MINIMUM (CFM) ANY ANY	AIR FLOW RATE MINIMUM EFFICACY (CFM/WATT) ANY 2.8 ANY 2.8 10 1.4				



JOB TITLE: SVF102 SPEC LOT 102, SUMMIT VIEW I

WOOD

SW ENOCH S SUMMIT, I

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RESIDENTIAL SEISMIC & WIND ANALYSIS

				INPUT
DETERMINE WEIGHT OF HOUSE:				CALCULATED VALUE
LOCATION		DEAD LOAD (psf)	AREA (ft ²)	WEIGHT (lbs.)
ROOF		10	2714	27140
CEILING		10	2714	27140
SECOND FLOOR		10	1330	13300
FIRST FLOOR		10	2714	27140
	WALL LENGTH (ft)	WALL HEIGHT (ft)	WALL UNIT WT. (psf)	WEIGHT (lbs)
SECOND FLOOR EXT. WALL DL	191.5	9	9	15511.5
FIRST FLOOR EXT. WALL DL	219.34	10	10	21934
		DEAD LOAD (psf)	AREA (ft2)	WEIGHT (lbs)
SECOND FLOOR INT. PARTITION WALL DL		6	1330	7980
FIRST FLOOR INT. PARTITION WALL DL		6	2714	16284

	FT ASSUMED)						
FRONT-TO-BACK					SIDE-TO-S	DE	
	AREA	LOAD			AREA	LOAD	
SLOPED ROOF	302	1298		SLOPED ROOF	320	1409	
VERT. ROOF	0	0	CUMULATIVE	VERT. ROOF	0	0	CUMULATIVE
2ND	470	6661	7959	2ND	487.5	6865	8274
1ST	638	8736	16695	1ST	568.37	7925	16200
			PRESSURE (PSI	F) - PER ASCE CH. 6	·		
	SLOPED ROOF	ZONE B		5.9	ZONE C	11.6	2a (FIG. 28.6-1, ASCE7)
	WALL/VERT. ROOF	ZONE A		17.4	ZONE D	3.4	10.334
I	MEAN ROOF HT., h	·	28	·		-	·

a) If there is a walkout wall to be sheathed, determine tributary wind area and enter here. If no walkout, enter 0 for area. $q_{z_{10}}=0.00256K_zK_zK_zK_dV^2$ (ASCE7-10 Velocity Pressure) $q_{z_{10},ASD}=0.6q_{z_{10}}$ (Design Velocity Pressure for A $q_{z10_ASD}\text{=-}0.6q_{z10} \quad \text{(Design Velocity Pressure for ASD analysis under ASCE7-10 and IRC/IBC 2012)}$

2ND FLOOR TRIBUTARY WEIGHT 1ST FLOOR TRIBUTARY WEIGHT $\rm S_{\rm S}$ (SITE GROUND MOTION - $\rm \% g$ - FROM ASCE7 SEISMIC MAP) F_a (from ASCE7 Table 11.4-1) S_{DS} (= 2/3 * S_S * F_a)

R (from ASCE7 Table 12.2-1)

102038.5 12.0% 1.6 0.128 6.5

62035.75

	SEISMIC SHEAR	
LOCATION	From ASCE7 (Eq. 12.8-1):	V (= 1.2 * S _{DS} * W / R) (lbs.)
2ND FLOOR		1466
1ST FLOOR		2411

Sheathing Location	Min. Sheathing Schedule	Fastening Schedule	Allowable Shear (#/LF)	Code Reference
Exterior (Option #1)	7/18" APA Rated Plywood/OSB	1-1/2" 16ga. Staples w/ 1" penetration@ 6" OC Edges, 6" OC Field For 24" stud spacing, 12" OC Field For 16" stud spacing	155	per IBC, Table 2308.3(1)
Extense (Option #2)	7/16" APA Rated Plywood/OSB	1-1/2" 16gs. Staples w/ 1" penetration@ 4" OC Edges, 6" OC Field For 24" stud spacing, 12" OC Field For 16" stud spacing	230	per IBC, Table 2305.3(1)
Exterior (Option #3)	7/16" APA Rated Plywcod/OSB	1-1/2" 16ga, Staples w/ 1" penetration@ 3" OC Edges, 6" OC Field For 24" stud spacing, 12" OC Field For 18" stud spacing	310	per IBC, Table 2306.3(1)
Exterior (Option #4)	7/16" APA Rated Plywood/OSB or shiplap panel sheathing, or 3/8" shiplap panel sheathing with tighter nail spacing	8d Common Nails w/ 1-3/8" penetration @ 6" O.C. Edges, 12" O.C. Field for 7/16" APA-rated plywood/OSB or shiplap panel sheathing OR @ 4" O.C. Edges, 12" O.C. Field for 3/8" shiplap panel sheathing		AF&PA SDPWS Table 4.3A
Exterior (Option #5)	7/16" APA Rated Plywood/OSB or shiplap panel sheathing, or 3/8" shiplap panel sheathing with tighter nail spacing	8d Common Nails w/ 1-3/8" penetration @ 4" O.C. Edges, 12" O.C. Field for 7/16" APA-rated plywood/OSB or shiplap panel sheathing OR @ 3" O.C. Edges, 12" O.C. Field for 3/8" shiplap panel sheathing		AF&PA SDPWS Table 4.3A
Exterior (Option #6)	7/16" APA Rated Plywood/OSB or shiplap panel sheathing, or 3/8" shiplap panel sheathing with tighter nail spacing and double studs at each panel edge	8d Common Nails w/ 1-3/8" penetration @ 3" O.C. Edges, 12" O.C. Field	410	AF&PA SDPWS Table 4.3A
Interior	1/2" Gypsum Board	No. 6- 1 ¹ / ₄ " Type W or S Screws @ 8" O.C. Edges, 12" O.C. Field	60	per IBC, Table 2306.4.4
Interior	16 Ga. Simpson/USP Type WB Steel X-Brace (or equal)	(3) 16d @ end studs & (1) 8d @ intermediate studs (per manufacturer specifications - see detail on sheet S3)	325	

EXTERIOR SHEATHING OPTION FOR SECOND FLOOR	4
EXTERIOR SHEATHING OPTION FOR FIRST FLOOR	4
expenses allegerman applanted by a decreasing a	ā

WIDTH OF 1ST STORY (FT.)	58		WIDTH OF 2ND STORY (FT.)	47
DEPTH OF 1ST STORY (FT.)	51.67		DEPTH OF 2ND STORY (FT.)	48.75
BACK WALL OF GARAGE (FT.)	0			
GAR WALL 1=F-R 2=S-S	2	1		

			EXTER	RIOR STRUCTURAL WALL I	ENGTHS (ft.) & RESISTANCES			
		SE	ISMIC		WIND			
	FRONT-TO-BACK	RESISTANCE (lbs.)	SIDE-TO-SIDE	RESISTANCE (lbs.)	FRONT-TO-BACK	RESISTANCE (lbs.)	SIDE-TO-SIDE	RESISTANCE (lbs.)
2ND FLOOR	49	13720	58	16240	49	19208	58	22736
1ST FLOOR	87	24360	60	16800	87	34104	60	23520
				_				
		ADDITIONAL RESIS	TANCE REQUIRED	1	Anchor Bolt Spacing	(in.)	16d Nail Spacing req'd at	bottom plate (in.)
		SEISMIC	WIND		diameter (in.)	0.5	2nd Floor F-B	35
2ND FLOOR FRONT-T	O-BACK	0	0		Shear value (per NDS)	944	2nd Floor S-S	38
2ND FLOOR SIDE-TO-	-SIDE	0	0		Spacing F-B (inches)	112.2	1st Floor F-B	17
1ST FLOOR FRONT-T	O-BACK	0	0		spacing S-S (inches)	129.8	1st Floor S-S	19
1ST FLOOR SIDE-TO-	SIDE	0	0]			-	

		RESISTANCE REQUI	RED IN ADDITION TO RES	SISTANCE PROVIDED BY EXTERIOR W	ALLS**	-	
	ADDITIONAL RESISTANCE REQUIRED (POUNDS)	PORTAL FRAMES OR PERF. SHEAR WALL RESISTANCE	INTERIOR X-BRACES (325#/BRACE)	INTERIOR WALL LENGTH W/ 1/2" GYPSUM BOARD PER TABLE (FT.)	INT. WALL LENGTH SHEATHED W/ OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS)	OK?
2ND FLOOR FRONT-TO-BACK	0		1			0	YES
2ND FLOOR SIDE-TO-SIDE	0		1			0	YES
1ST FLOOR FRONT-TO-BACK	0		l e			0	YES
1ST FLOOR SIDE-TO-SIDE	0					0	YES

**NOTES: 1) SEE ATTACHED CALCULATIONS FOR PORTAL FRAME OR PERFORATED SHEAR WALL RESISTANCE CAPACITIES (IF APPLICABLE),

2) SEE SHEET ST FOR INTERIOR STEEL X-BRACE INSTALLATION, 3) INTERIOR WALLS SHEATHED WITH OSB SHALL BE ATTACHED WITH SAME STAPLE/NAILING PATTERN AS EXTERIOR OSB ON SAME FLOOR (SEE TABLE ABOVE) AND ARE ONLY APPLICABLE FOR FULL-HEIGHT SECTIONS OF 2'-8" OR LONGER

ALL LATERAL BRACING ACHIEVED AT EXTERIOR WALLS AND WALLS DIRECTLY ON FOUNDATIONS; THEREFORE, NO INTERIOR BRACING PER 2012 IRC SECTION R502.2.1 IS REQUIRE

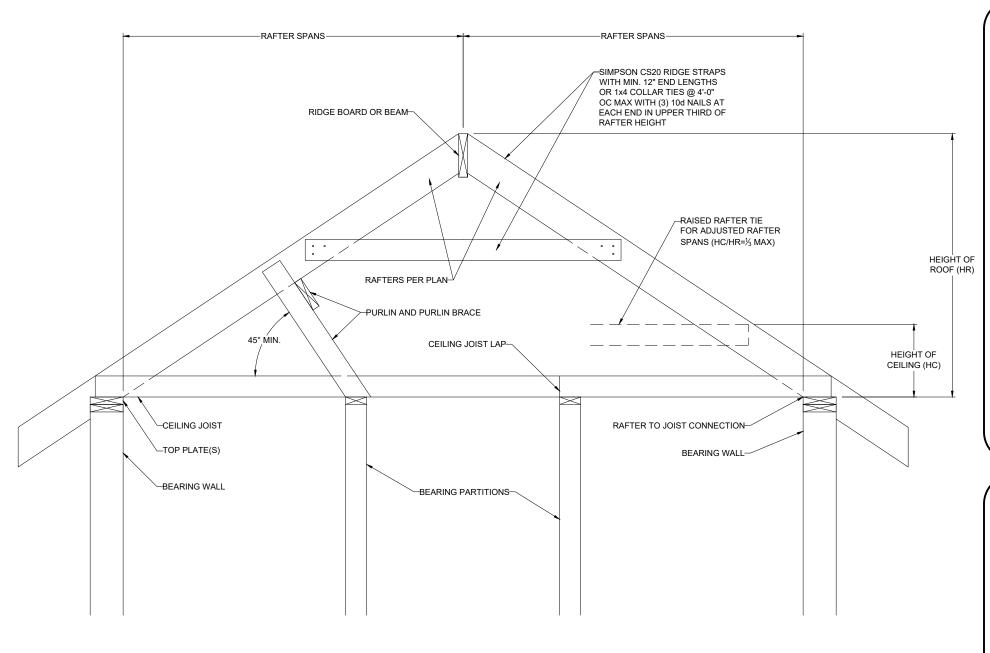
		-	-	WIND UPLIFT	ANALYSIS		
	X/12	DEGREES					
ROOF PITCH (MAX)	6	26.6	PITCH OF 6 OR LESS:	EOH -13.3, E -7.2, G -5.2			
		ASCE 7					
	LENGTH (FT.)	PRESSURE (PSF)	LINEAL FT. OF OH	UPLIFT PER FT* (LBS)			
OVERHANG	1	16.56	221.34	16.56			
	TOTAL AREA (FT ²)	ZONE E AREA (FT ²)	ZONE G AREA (FT ²)	PRESSURE ZN. E (PSF)	PRESSURE ZN. G (PSF)	TOTAL FORCE (LBS)	FORCE PER LINEAL FT @ PERIMETER (LBS)
MAIN ROOF**	2996.86	1551.794776	1445.065224	15.12	10.5	38636	176.1
*ALONG PERIMETER		TOTAL UPLIFT PER LINEAL I	FOOT ALONG EXTERIOR (PO	UNDS)	192.7	UPLIFT OK	
**INSIDE EXTERIOR W	**INSIDE EXTERIOR WALLS RESISTANCE DUE TO DEAD WEIGHT & (3) 10d TOENAILS						

NOTE FOR CONSTRUCTION:

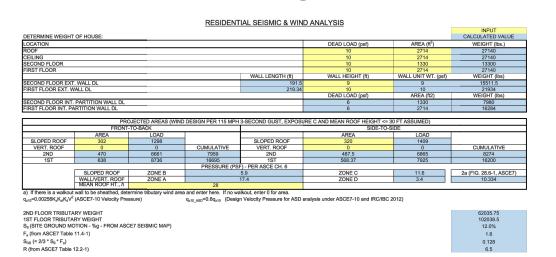
THE CONTINUOUS STRUCTURAL PANEL SHEATHING BRACING METHOD REQUIRES USE OF THE ABOVE TABLE FOR SHEATHING OF THE ENTIRE STRUCTURE. IN ADDITION, FRAMING MEMBERS SHALL BE @ 16" O.C. MAX.,

ALL WALLS USED IN THE CALCULATION OF THE RESISTANCE FOR THIS STRUCTURE SHALL HAVE A MINIMUM UNINTERRUPTED HEIGHT OF 8'-0" AND LENGTH OF 2'-8". ALLOWABLE RESISTANCES HAVE BEEN #/FT AND INCREASED BY 40% FOR WIND LOADS, PER VALUES IN 2012 IBC SECTION 2306 AND AF&PA SDPWS TABLE 4.3A. FOR EXAMPLE, 7/16" APA-RATED SHEATHING WITH 8d @ 6" & 12" HAS A SEISMIC SHEAR VALUE OF 240 A WIND SHEAR VALUE OF 335#/FT - 40% GREATER THAN THAT OF SEISMIC)

NOTE: SOIL SITE CLASS ASSUMED TO BE CLASS D. IF SITE CONDITIONS ARI DETERMINED TO BE CLASS E OR F, CONSULT ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION



1 BRACED RAFTER CONSTRUCTION S1.1 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



N OR OR		From P	SCE7 (Eq. 12.8-1):	V (= 1.2 * S _{DS} * W / R) (lbs.) 1466 2411
	M. O		Allowable Shear (#/	15.
Sheathing Location Exterior (Swiften #1)	Min. Sheathing Schedule 7/18° APA Nated Phymocd/CSB	Fastening Schedule 1-1/2" 16ga, Staptes w/ 1" penetration@ 8" CC Edges, 6" OC Field For 24" stud specing, 12" OC Field For 16" stud specing	Allowable Snear (#/	LF) Code Reference par 13C, Table 2306.3(1)
Exterior/Option £3)	7/16* APA Rated Plywood/CSB	1-1/2" 16ga. Staptes w/ 1" paretration@ 4" CC Edgas, 6" OC Field For 24" stud specing, 12" OC Field For 16" stud specing	230	per I3C, Table 2306.3(1)
Exterior (Option 53)	7/16° APA Rated Ptywood/CSB	1-1/2" 16ga. Staples w/ 1" penetration@ 3" OC Edges, 6" OC Reld For 24" stud spacing, 12" OC Field For 16" stud spacing	310	per IBC, Table 2306.3(1)
Exterior (Option #4)	7/16" APA Rated Plywood/OSB or shiplap panel sheathing, or 3/8" shiplap panel sheathing with tighter nail spacing	8d Common Nails w/ 1-3/6" penetration @ 6" O.C. Edges, 12" O.C. Fleid for 7/16" APA-rated plywood/OSB or shiplap panel sheathing OR @ 4" O.C. Edges, 12" O.C. Fleid for 3/8" shiplap panel sheathing	220	AF&PA SDPWS Table 4.3A
Exterior (Option #5)	7/16" APA Rated Plywood/OSB or shiplap panel sheathing, or 3/8" shiplap panel sheathing with tighter nail spacing	8d Common Nails w/ 1-3/8" penetration @ 4" O.C. Edges, 12" O.C. Field for 7/16" APA-rated plywood/OSB or shiplap panel sheathing OR @ 3" O.C. Edges, 12" O.C. Field for 3/8" shiplap panel sheathing	320	AF&PA SDPWS Table 4.3A
Exterior (Option #6)	7/16" APA Rated Plywood/OSB or shiplap panel sheathing, or 3/8" shiplap panel sheathing with tighter nail spacing and double studs at each panel edge	8d Common Nails w/ 1-3/8" penetration @ 3" O.C. Edges, 12" O.C. Field	410	AF&PA SDPWS Table 4.3A
Interior	1/2" Gypsum Board	No. 6- 1 ¹ / ₄ " Type W or S Screws @ 8" O.C. Edges, 12" O.C. Field	60	per IBC, Table 2306.4.4
Interior	16 Ga. Simpson/USP Type WB Steel X-Brace (or equal)	(3) 16d @ end studs & (1) 8d @ intermediate studs (per manufacturer specifications - see detail on sheet S3)	325	

		•			•			
				1				
	ING OPTION FOR SECO		4					
	ING OPTION FOR FIRST		4		WIDTH OF 1ST STORY (FT.)	58	WIDTH OF 2ND STORY (FT.)	47
EXTERIOR SHEATH	NG OPTION FOR BASE	WENT WALLS	4		DEPTH OF 1ST STORY (FT.)	51.67	DEPTH OF 2ND STORY (FT.)	48.75
					BACK WALL OF GARAGE (FT.)	0		
					GAR. WALL: 1=F-B, 2=S-S	2		
			EVTER	NOD CTRUCTURAL MALL	LENGTHS (ft.) & RESISTANCES			
	1	SE	ISMIC	OR STRUCTURAL WALL	LENGTHS (IL) & RESISTANCES	WIND	_	
	FROM TO BLOW			DEGIGEANIOS (II.)	FROM TO BACK		0/05 TO 0/05	RESISTANCE (lbs.
	FRONT-TO-BACK	RESISTANCE (lbs.)	SIDE-TO-SIDE	RESISTANCE (lbs.)	FRONT-TO-BACK	RESISTANCE (lbs.)	SIDE-TO-SIDE	,
ND FLOOR	49	13720	58	16240	49	19208	58	22736
ST FLOOR	87	24360	60	16800	87	34104	60	23520
			TANCE REQUIRED		Anchor Bolt Spacing		16d Nail Spacing req'd at b	
		SEISMIC	WIND		diameter (in.)	0.5	2nd Floor F-B	
ND FLOOR FRONT		0	0		Shear value (per NDS) Spacing F-B (inches)	944 112.2	2nd Floor S-S 1st Floor F-B	
		0						
ST FLOOR FRONT-	TO-BACK	0	0		spacing S-S (inches)	129.8	1st Floor S-S	
ST FLOOR FRONT-	TO-BACK	0	0		spacing S-S (inches)	129.8		
IST FLOOR FRONT-	TO-BACK	0	0	IRED IN ADDITION TO RES		129.8 ALLS**		
ST FLOOR FRONT-	TO-BACK	0	0 0 RESISTANCE REQUI		spacing S-S (inches)	129.8 ALLS** INT. WALL LENGTH	1st Floor S-S	
ST FLOOR FRONT-	TO-BACK	0 0 0 ADDITIONAL	0 0 RESISTANCE REQUI	INTERIOR X-BRACES	spacing S-S (Inches) SISTANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH W/ 1/2*	ALLS** INT. WALL LENGTH SHEATHED W/ OSB	1st Floor S-S RESISTANCE PROVIDED BY	
ST FLOOR FRONT-	TO-BACK	0 0 0 ADDITIONAL RESISTANCE	0 0 RESISTANCE REQUI		spacing S-S (inches)	ALLS** INT. WALL LENGTH SHEATHED W. OSB (TOTAL LENGTH, ONE	1st Floor S-S RESISTANCE PROVIDED BY ADDITIONAL METHODS	
ST FLOOR FRONT- ST FLOOR SIDE-TO	TO-BACK SIDE	ADDITIONAL RESISTANCE REQUIRED (POUNDS)	0 0 RESISTANCE REQUI PORTAL FRAMES OR PERF. SHEAR WALL	INTERIOR X-BRACES	spacing S-S (Inches) SISTANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH W/ 1/2*	ALLS** INT. WALL LENGTH SHEATHED W/ OSB	1st Floor S-S RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS)	OK?
ST FLOOR FRONT- ST FLOOR SIDE-TO	TO-BACK SIDE	0 0 0 ADDITIONAL RESISTANCE REQUIRED (POUNDS)	0 0 RESISTANCE REQUI PORTAL FRAMES OR PERF. SHEAR WALL	INTERIOR X-BRACES	spacing S-S (Inches) SISTANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH W/ 1/2*	ALLS** INT. WALL LENGTH SHEATHED W. OSB (TOTAL LENGTH, ONE	1st Floor S-S RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS)	OK?
ST FLOOR FRONT- ST FLOOR SIDE-TO	TO-BACK TO-BACK SIDE	ADDITIONAL RESISTANCE REQUIRED (POUNDS)	0 0 RESISTANCE REQUI PORTAL FRAMES OR PERF. SHEAR WALL	INTERIOR X-BRACES	spacing S-S (Inches) SISTANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH W/ 1/2*	ALLS** INT. WALL LENGTH SHEATHED W. OSB (TOTAL LENGTH, ONE	1st Floor S-S RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0	OK? YES YES
ST FLOOR FRONT- ST FLOOR SIDE-TO ND FLOOR FRONT- ND FLOOR SIDE-TO ST FLOOR FRONT- ST FLOOR FRONT-	TO-BACK -TO-BACK -TO-BACK -TO-BACK	ADDITIONAL RESISTANCE REQUIRED (POUNDS)	0 0 RESISTANCE REQUI PORTAL FRAMES OR PERF. SHEAR WALL	INTERIOR X-BRACES	spacing S-S (Inches) SISTANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH W/ 1/2*	ALLS** INT. WALL LENGTH SHEATHED W. OSB (TOTAL LENGTH, ONE	1st Floor S-S RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0	OK? YES YES YES
ST FLOOR FRONT- ST FLOOR SIDE-TO PND FLOOR FRONT- ST FLOOR FRONT- ST FLOOR SIDE-TO ST FLOOR SIDE-TO	TO-BACK -TO-BACK -SIDE TO-BACK -SIDE TO-BACK -SIDE	ADDITIONAL RESISTANCE REQUIRED (POUNDS)	0 0 0 RESISTANCE REQUI PORTAL FRAMES OR PERF. SHEAR WALL RESISTANCE	INTERIOR X-BRACES (325#/BRACE)	spacing S-S (inches) INTERIOR WALL LENGTH WI 1/2" GYPSUM BOARD PER TABLE (FT.)	ALLS** INT. WALL LENGTH SHEATHED W/ OSB (TOTAL LENGTH, ONE	1st Floor S-S RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0	OK? YES YES
END FLOOR SIDE-TO END FLOOR SIDE-TO END FLOOR FRONT IND FLOOR SIDE-TO IST FLOOR SIDE-TO TO	TO-BACK -TO-BACK -SIDE -TO-BACK -SIDE TO-BACK -SIDE TO-BACK -TO-BACK -TO-BA	ADDITIONAL RESISTANCE REQUIRED (POUNDS) 0 0 0 0 S FOR PORTAL FRAME	0 0 0 RESISTANCE REQUI PORTAL FRAMES OR PERF. SHEAR WALL RESISTANCE	INTERIOR X-BRACES (325#/BRACE) AR WALL RESISTANCE CA	spacing S-S (inches) ISTANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH W 1/2* GYPSUM BOARD PER TABLE (FT.) PACITIES (IF APPLICABLE),	ALLS** INT. WALL LENGTH SHEATHED W/OSB (TOTAL LENGTH, ONE SIDE, FT.)	1st Floor S-S RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0	OK? YES YES YES
END FLOOR SIDE-TO	TO-BACK -TO-BACK -SIDE TO-BACK -SIDE TO-BACK -SIDE TO-BACK -SIDE TACHED CALCULATION R INTERIOR STEEL X-E	ADDITIONAL RESISTANCE REQUIRED (POUNDS) 0 0 0 S FOR PORTAL FRAME RACE INSTALLATION, 3	0 0 0 RESISTANCE REQUIPERS SHEAR WALL RESISTANCE	INTERIOR X-BRACES (325#/BRACE) AR WALL RESISTANCE CA CATHED WITH OSB SHALL	spacing S-S (inches) STANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH WI 1/2" GYPSUM BOARD PER TABLE (FT.) PACITIES (IF APPLICABLE), BE ATTACHED WITH SAME STAPLE/N	ALLS** INT. WALL LENGTH SHEATHED W/OSB (TOTAL LENGTH, ONE SIDE, FT.)	1st Floor S-S RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0	OK? YES YES YES
ST FLOOR FRONT: ST FLOOR SIDE-TO ST FLOOR FRONT: ST FLOOR SIDE-TO NOTES: 1) SEE AT ST SEE SHEET S1 FO STERN SEXTER	TO-BACK -TO-BACK -TO-BACK -TO-BACK -TO-BACK -TO-BACK -TO-BACK -TO-BACK -TO-BACK -TACHED CALCULATION	ADDITIONAL RESISTANCE REQUIRED (POUNDS) 0 0 0 0 S FOR PORTAL FRAME : RACE INSTALLATION, 3	O O O O O O O O O O O O O O O O O O O	INTERIOR X-BRACES (325#/BRACE) AR WALL RESISTANCE CA ATHED WITH OSB SHALL (CABLE FOR FULL-HEIGH)	spacing S-S (inches) ISTANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH W 1/2* GYPSUM BOARD PER TABLE (FT.) PACITIES (IF APPLICABLE), BE ATTACHED WITH SAME STAPLE/N. SECTIONS OF 2** O'R LONGER	ALLS** INT. WALL LENGTH SHEATHED W OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0 0 0	OK? YES YES YES
ST FLOOR FRONT: ST FLOOR SIDE-TO ST FLOOR FRONT: ST FLOOR SIDE-TO NOTES: 1) SEE AT ST SEE SHEET S1 FO STERN SEXTER	TO-BACK -TO-BACK -TO-BACK -TO-BACK -TO-BACK -TO-BACK -TO-BACK -TO-BACK -TO-BACK -TACHED CALCULATION	ADDITIONAL RESISTANCE REQUIRED (POUNDS) 0 0 0 0 S FOR PORTAL FRAME : RACE INSTALLATION, 3	O O O O O O O O O O O O O O O O O O O	INTERIOR X-BRACES (325#/BRACE) AR WALL RESISTANCE CA CATHED WITH OSB SHALL (CABLE FOR FULL-HEIGH) INDATIONS; THEREFORE	spacing S-S (inches) STANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH WI 12° GYPSUM BOARD PER TABLE (FT.) PACITIES (IF APPLICABLE), BE ATTACHED WITH SAME STAPLEN, SECTIONS OF 2-8° OR LONGER, NO INTERIOR BRACKING PER 2012 IR	ALLS** INT. WALL LENGTH SHEATHED W OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0 0 0	OK? YES YES YES
ST FLOOR FRONT- ST FLOOR SIDE-TO ND FLOOR FRONT- ND FLOOR SIDE-TO ST FLOOR FRONT- ST FLOOR SIDE-TO TO FRONT- TO FRONT- NOTES: 1) SEE AT) SEE SHEET S1 FA ATTERN AS EXTER	TO-BACK -TO-BACK -TO-BACK -SIDE -TO-BACK -SIDE -TO-BACK -SIDE -TO-BACK -SIDE -TO-BACK -SIDE -TO-BACK -	ADDITIONAL RESISTANCE REQUIRED (POUNDS) 0 0 0 S FOR PORTAL FRAME RACE INSTALLATION, 3 OR (SEE TABLE ABOVE	O O O O O O O O O O O O O O O O O O O	INTERIOR X-BRACES (325#/BRACE) AR WALL RESISTANCE CA ATHED WITH OSB SHALL (CABLE FOR FULL-HEIGH)	spacing S-S (inches) STANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH WI 12° GYPSUM BOARD PER TABLE (FT.) PACITIES (IF APPLICABLE), BE ATTACHED WITH SAME STAPLEN, SECTIONS OF 2-8° OR LONGER, NO INTERIOR BRACKING PER 2012 IR	ALLS** INT. WALL LENGTH SHEATHED W OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0 0 0	OK? YES YES YES
ST FLOOR FRONT- ST FLOOR SIDE-TO ND FLOOR FRONT ND FLOOR SIDE-TO ST FLOOR FRONT ST FLOOR SIDE-TO ATTERN AS EXTER LL LATERAL BRAY	TO-BACK D-SIDE TO-BACK D-SIDE TO-BACK S-SIDE TO-BACK SIDE TACHED CALCULATION R INTERIOR STEEL X-E RIOR OSB ON SAME FLC. IMPA CHIEVED AT EXT	ADDITIONAL RESISTANCE REQUIRED (POUNDS) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	INTERIOR X-BRACES (325#/BRACE) AR WALL RESISTANCE CA EATHED WITH OSB SHALL CABLE FOR FULL-HEIGHT MIDATIONS; THEREFORE WIND UPUF	spacing S-S (inches) STANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH WI 12° GYPSUM BOARD PER TABLE (FT.) PACITIES (IF APPLICABLE), BE ATTACHED WITH SAME STAPLEN, SECTIONS OF 2-8° OR LONGER, NO INTERIOR BRACKING PER 2012 IR	ALLS** INT. WALL LENGTH SHEATHED W OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0 0 0	OK? YES YES YES
ST FLOOR FRONT- ST FLOOR SIDE-TO ND FLOOR FRONT ND FLOOR SIDE-TO ST FLOOR FRONT ST FLOOR SIDE-TO ATTERN AS EXTERN LL LATERAL BRAY	TO-BACK D-SIDE TO-BACK D-SIDE TO-BACK S-SIDE TO-BACK SIDE TACHED CALCULATION R INTERIOR STEEL X-E RIOR OSB ON SAME FLC. IMPA CHIEVED AT EXT	ADDITIONAL RESISTANCE REQUIRED (POUNDS) 0 0 0 0 S FOR PORTAL FRAME RACE INSTALLATION, 3 FOR (SEE TABLE ABOVE ERIOR WALLS AND WA DEGREES 26.6	O O O O O O O O O O O O O O O O O O O	INTERIOR X-BRACES (325#/BRACE) AR WALL RESISTANCE CA CATHED WITH OSB SHALL (CABLE FOR FULL-HEIGH) INDATIONS; THEREFORE	spacing S-S (inches) STANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH WI 12° GYPSUM BOARD PER TABLE (FT.) PACITIES (IF APPLICABLE), BE ATTACHED WITH SAME STAPLEN, SECTIONS OF 2-8° OR LONGER, NO INTERIOR BRACKING PER 2012 IR	ALLS** INT. WALL LENGTH SHEATHED W OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0 0 0	OK? YES YES YES
END FLOOR FRONT- END FLOOR SIDE-TO END FLOOR FRONT- IND FLOOR SIDE-TO SIT FLOOR FRONT- SIT FLOOR FRONT- SIT FLOOR SIDE-TO "NOTES: 1) SEE AT ED SEE SHEET SI FOR ATTERN AS EXTERN LL LATERAL BRAULL LATERAL BRAULL LATERAL BRAU	TO-BACK D-SIDE TO-BACK D-SIDE TO-BACK S-SIDE TO-BACK SIDE TACHED CALCULATION R INTERIOR STEEL X-E RIOR OSB ON SAME FLC. IMPA CHIEVED AT EXT	ADDITIONAL RESISTANCE REQUIRED (POUNDS) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	INTERIOR X-BRACES (325#/BRACE) AR WALL RESISTANCE CA EATHED WITH OSB SHALL CABLE FOR FULL-HEIGHT MIDATIONS; THEREFORE WIND UPUF	spacing S-S (inches) STANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH WI 12° GYPSUM BOARD PER TABLE (FT.) PACITIES (IF APPLICABLE), BE ATTACHED WITH SAME STAPLEN, SECTIONS OF 2-8° OR LONGER, NO INTERIOR BRACKING PER 2012 IR	ALLS** INT. WALL LENGTH SHEATHED W OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0 0 0	OK? YES YES YES
END FLOOR FRONT- END FLOOR SIDE-TO END FLOOR FRONT END FLOOR SIDE-TO END FLO	TO-BACK -SIDE -TO-BACK -	ADDITIONAL RESISTANCE REQUIRED (POUNDS) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O RESISTANCE REGUI PORTAL FRAMES OR PERF. SHEAR WALL RESISTANCE OR PERFORATED SHE. NITERIOR WALLS SHE JAND ARE ONLY APPLILLS DIRECTLY ON FOL	INTERIOR X-BRACES (325#/BRACE) AR WALL RESISTANCE CA ACATHED WITH OSS SHALL CABLE FOR FULL-HEIGHI INIDATIONS; THEREFORE WIND UPLIFI EOH -13.3, E-7.2, G-5.2	spacing S-S (inches) STANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH WI 12° GYPSUM BOARD PER TABLE (FT.) PACITIES (IF APPLICABLE), BE ATTACHED WITH SAME STAPLEN, SECTIONS OF 2-8° OR LONGER, NO INTERIOR BRACKING PER 2012 IR	ALLS** INT. WALL LENGTH SHEATHED W OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0 0 0	OK? YES YES YES
2) SEE SHEET S1 FO PATTERN AS EXTER ALL LATERAL BRAY ROOF PITCH (MAX	TO-BACK -SIDE -TO-BACK -	ADDITIONAL RESISTANCE REQUIRED (POUNDS) 0 0 0 S FOR PORTAL FRAME RACE INSTALLATION, 3 DOR (SEE TABLE ABOVE ERIOR WALLS AND WA DEGREES 26.6 ASCE 7 PRESSURE (PSF)	O O RESISTANCE REDUI PORTAL FRAMES OR PERF. SHEAR WALL RESISTANCE OR PERFORATED SHE/ INTERIOR WALLS SHE AND ARE ONLY PAUL LLS DIRECTLY ON FOL. PITCH OF 6 OR LESS: LINEAL FT. OF OH	INTERIOR X-BRACES (325#/BRACE) AR WALL RESISTANCE CA ATHED WITH OSB SHOW INDATIONS; THEREFORE EOH -13.3, E -7.2, G -5.2 UPLIFT PER F1* (LBS)	spacing S-S (inches) STANCE PROVIDED BY EXTERIOR W INTERIOR WALL LENGTH WI 12° GYPSUM BOARD PER TABLE (FT.) PACITIES (IF APPLICABLE), BE ATTACHED WITH SAME STAPLEN, SECTIONS OF 2-8° OR LONGER, NO INTERIOR BRACKING PER 2012 IR	ALLS** INT. WALL LENGTH SHEATHED W OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS) 0 0 0 0 0	OK? YES YES YES YES YES

NOTE FOR CONSTRUCTION:
THE CONTINUOUS STRUCTURAL PANEL SHEATHING BRACING METHOD REQUIRES USE OF THE ABOVE TABLE FOR SHEATHING OF THE ENTIRE STRUCTURE. IN ADDITION, FRAMING MEMBERS SHALL BE @ 16" O.C. MAX, UNBLOCKED, AND W SHEATHING APPLIED DIRECTLY TO FRAMING MEMBERS

NOTE FOR DESIGN:
ALL WALLS USED IN THE CALCULATION OF THE RESISTANCE FOR THIS STRUCTURE SHALL HAVE A MINIMUM UNINTERRUPTED HEIGHT OF 8'-0" AND LENGTH OF 2'-8". ALLOWABLE RESISTANCES HAVE BEEN #FT AND INCREASED BY 40% FOR WIND LOADS, PER VALUES IN 2012 IBC SECTION 2306 AND AFAPA SDPWS TABLE 4.3A. FOR EXAMPLE, 7/16" APA-RATED SHEATHING WITH 8d @ 6" & 12" HAS A SEISMIC SHEAR VALUE OF 240 A WIND SHEAR VALUE OF 335#/FT - 40% GREATER THAN THAT OF SEISMIC)

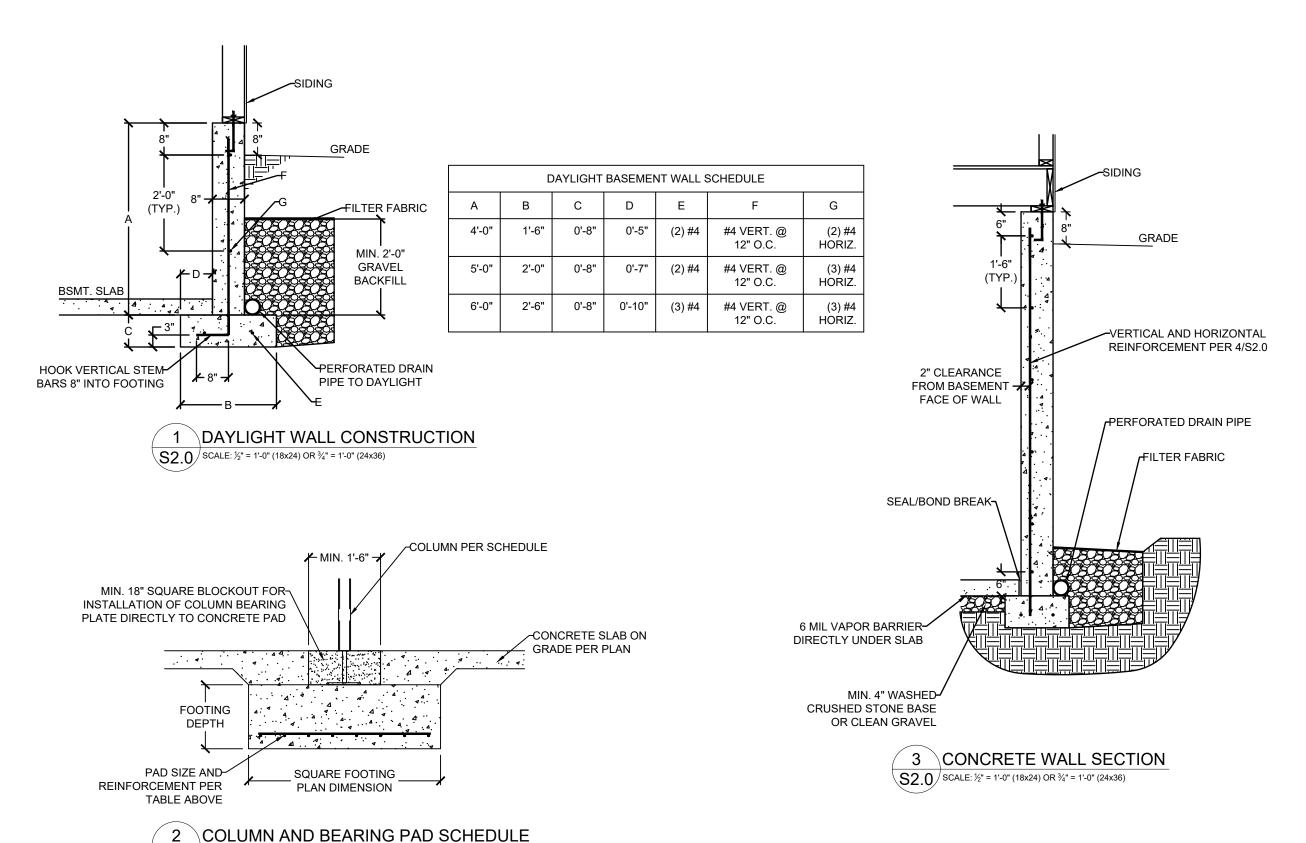
NOTE: SOIL SITE CLASS ASSUMED TO BE CLASS D. IF SITE CONDITIONS ARI DETERMINED TO BE CLASS E OR F, CONSULT ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION



: SPEC 2, SUMMIT VIEW F 3211 SW ENOCH ST. LEE'S SUMMIT, MISSOU WOOD BROTHERS, INC SVF102 S LOT 102, CLIENT: E JOB



NO.	DATE	RE	EVISION	BY
DRAV	WING TITLE			
9	TRI		TURA	lΔ
_				
CA	LC	UL	.ATIO	N.S
ENGI	NEER: DM		CHECKED BY	
ENGII	NEER: DN	1H	CHECKED BYD DRAWN BY: D	МН
JOB 1	NEER: DN		-	MH
JOB N	NEER: DM	2-23	-	МН
JOB N	NEER: DM NO. :: 06-12	2-23	-	MH
JOB N	NEER: DM NO. :: 06-12	2-23	-	MH
JOB N	NEER: DM NO. :: 06-12	2-23	-	МН
JOB N	NEER: DM NO. :: 06-12	2-23	-	MH



VERTICAL REINFORCEMENT SPACING 10" THICK WALL CONCRETE STRENGTH/GRADE 8" THICK WALL REINFORCEMENT (#4 BARS) 9' 9' 10' 8' 10' 8' 3.000 PSI/ GRADE 40 24 24 16 24 24 18 3,500 PSI/ GRADE 40 24 24 18 16 24 24 3,000 PSI/ GRADE 60 24 24 24 18 16 24 3,500 PSI/ GRADE 60 24 24 24 18 24 16 HORIZONTAL REINFORCEMENT - MINIMUM GRADE 40 STEEL ONE BAR 12" FROM TOP OF WALL; 6-#4 7-#4 7-#4 6-#4 7-#4 7-#4 MAX. SPACING 24" OC

FOOTNOTES:

1) WALL HEIGHT IS MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE FLOOR SLAB 2) VERTICAL REINFORCEMENT FOR CONCRETE WALLS THAT ARE NOT FULL HEIGHT. AND FOR REINFORCEMENT SPACING 24" OC, REINFORCEMENT MAY BE PLACED IN THE MIDDLE OF THE WALL. OTHER WALLS SHALL HAVE VERTICAL REINFORCEMENT AS FOLLOWS:

A) 8" WALL - MINIMUM 5" FROM THE OUTSIDE FACE

B) 10" WALL - MINIMUM 63/4" FROM THE OUTSIDE FACE C) EXTEND BARS TO WITHIN 8" OF THE TOP OF THE WALL

3) REINFORCEMENT CLEARANCES:

A) CONCRETE EXPOSED TO EARTH - MINIMUM 11/2"

B) NOT EXPOSED TO WEATHER (INTERIOR SIDE OF WALLS) -3/4" C) CONCRETE EXPOSED TO WEATHER (TOP CLEARANCE IN GARAGE AND DRIVEWAY

SLABS) - 1½" 4) HORIZONTAL RÉINFORCEMENT:

A) ONE BAR SHALL BE PLACED WITHIN 12" OF THE TOP OF THE WALL

B) OTHER BARS SHALL BE EQUALLY SPACED WITH SPACING NOT TO EXCEED 24" OC C) HORIZONTAL BARS SHOULD BE AS CLOSE TO THE TENSION FACE AS POSSIBLE (INTERIOR) AND BEHIND THE VERTICAL REINFORCEMENT (I.E. 2" TOWARD THE

D) SUPPLEMENTAL REINFORCEMENT AT CORNERS - PLACE (1) #4 BAR 48" LONG AT 45 DEGREE ANGLE AT CORNERS OF OPENINGS. PLACE REINFORCEMENT WITHIN 6" OF THE EDGE OF INSIDE CORNERS.

5) REINFORCEMENT SHALL BE LAPPED A MINIMUM 24" AT ENDS, SPLICES, AND AROUND CORNERS.

6) AT MASONRY LEDGES THE MINIMUM WALL THICKNESS SHALL BE 31/2". LEDGES SHALL NOT EXCEED A DEPTH OF MORE THAN 24" BELOW THE TOP OF THE WALL. FOR WALL THICKNESSES LESS THAN 4" PROVIDE #4 BARS AT MAX. 24" OC TO WITHIN 8" OF THE TOP

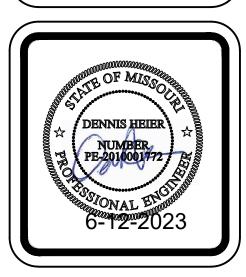
7) STRAIGHT WALLS MORE THAN 5' TALL AND MORE THAN 16 FEET LONG SHALL BE PROVIDED WITH EXTERIOR BRACED RETURN WALLS. WALL LENGTH SHALL BE MEASURED USING INSIDE THE SHORTEST DIMENSION BETWEEN INTERSECTING WALLS 8) WALL SHALL NOT BE BACKFILLED UNTIL FLOOR SYSTEM AND DIAPHRAGM ARE IN PLACE

4 \FOUNDATION WALL REINFORCEMENT TABLE

S2.0/NO SCALE

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VIEW BROTHERS, INC SPEC 2, SUMMIT ENOCH SIMMIT, MIS 1 SW I SVF102 S LOT 102, 3211 LEE'S JOB

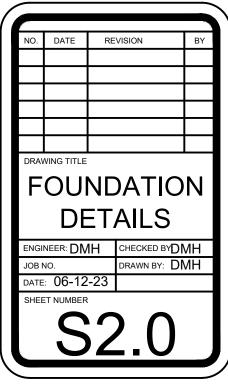


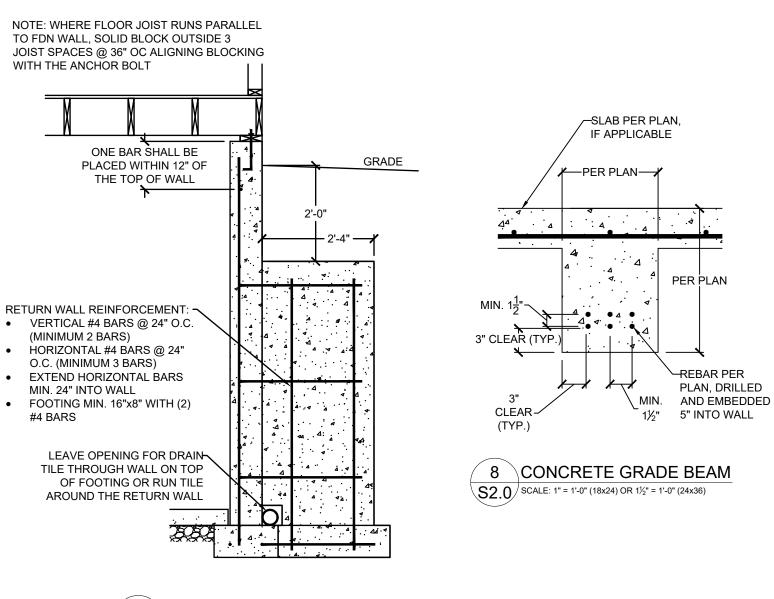
PER PLAN

-REBAR PER

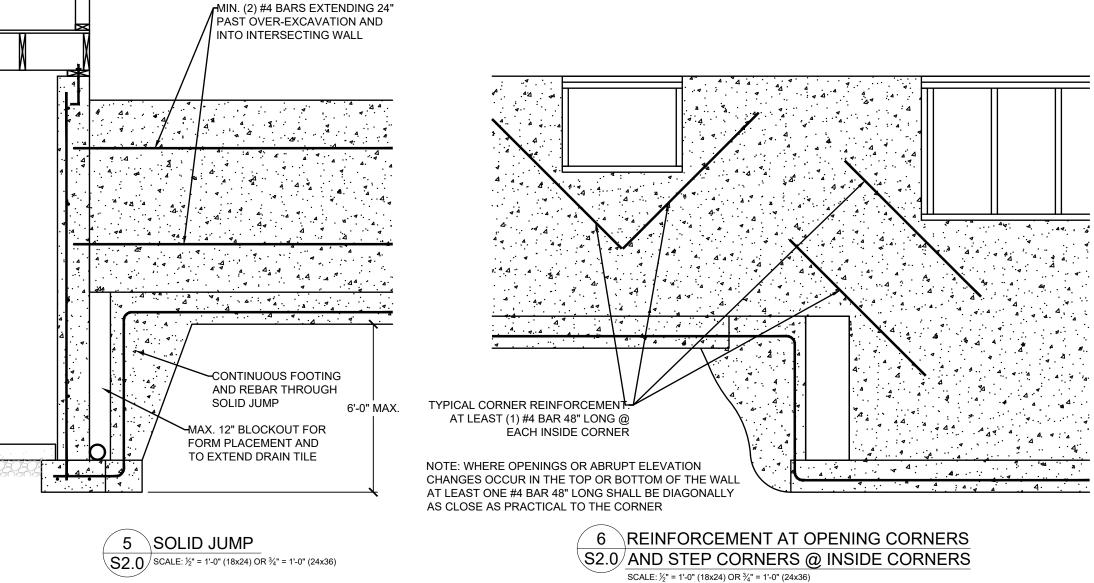
5" INTO WALL

PLAN, DRILLED

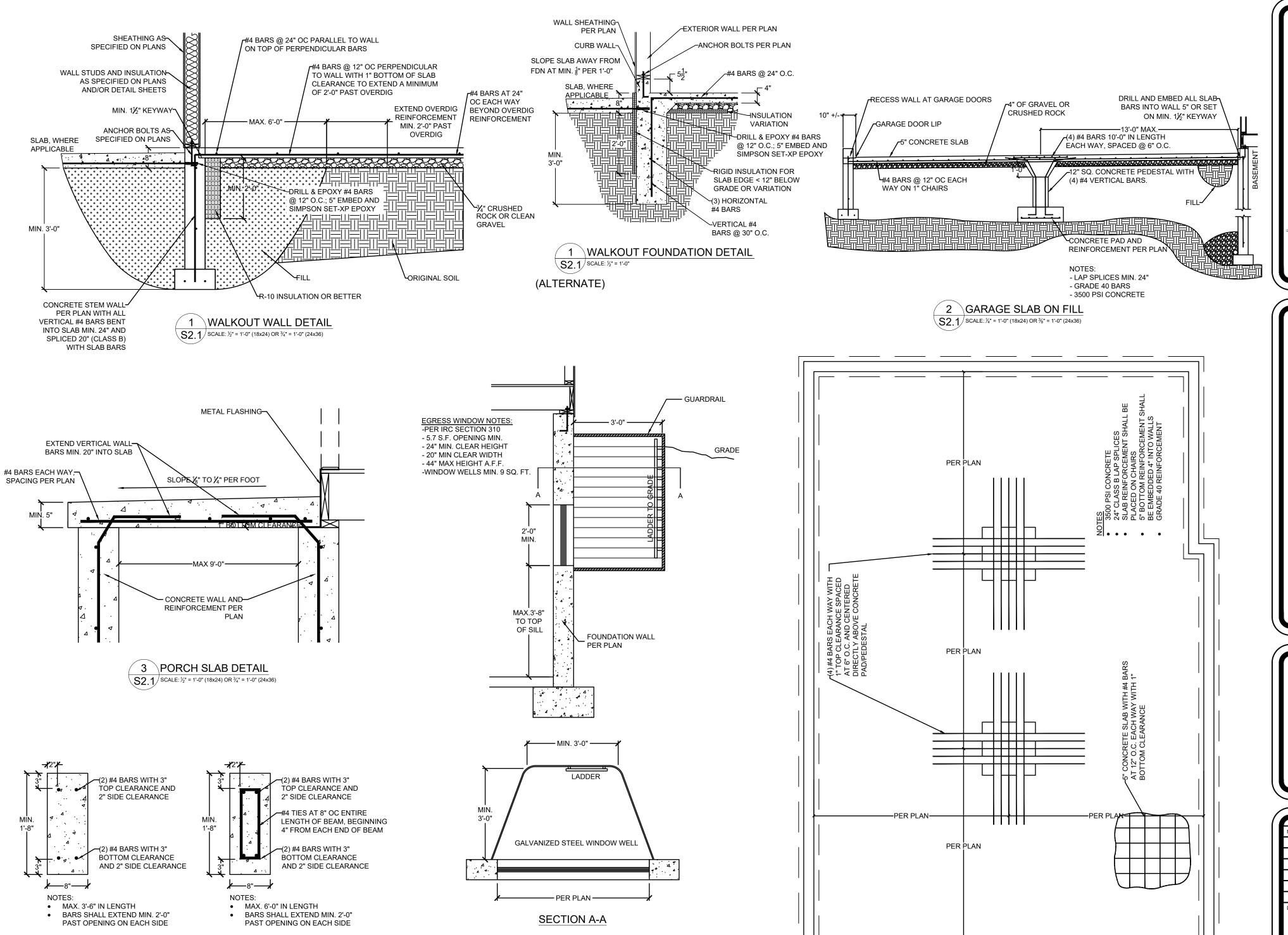




7 RETURN WALL DETAIL S2.0 SCALE: $\frac{1}{2}$ " = 1'-0" (18x24) OR $\frac{3}{4}$ " = 1'-0" (24x36)



\$2.0 SCALE: ½" = 1'-0" (18x24) OR ¾" = 1'-0" (24x36)



5 EGRESS WINDOW WELL ELEVATION AND PLAN DETAILS

S2.1 SCALE: $\frac{1}{2}$ " = 1'-0" (18x24) OR $\frac{3}{4}$ " = 1'-0" (24x36)

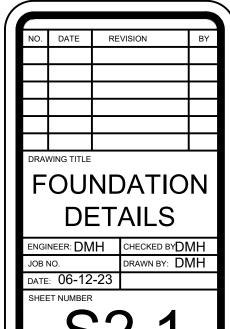
4 CONCRETE HEADER DETAILS

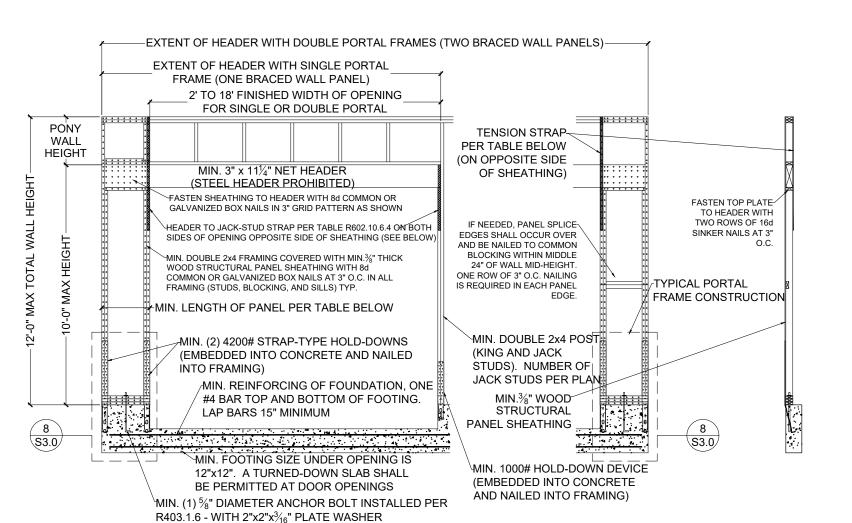
S2.1 SCALE: ½" = 1'-0" (18x24) OR ¾" = 1'-0" (24x36)

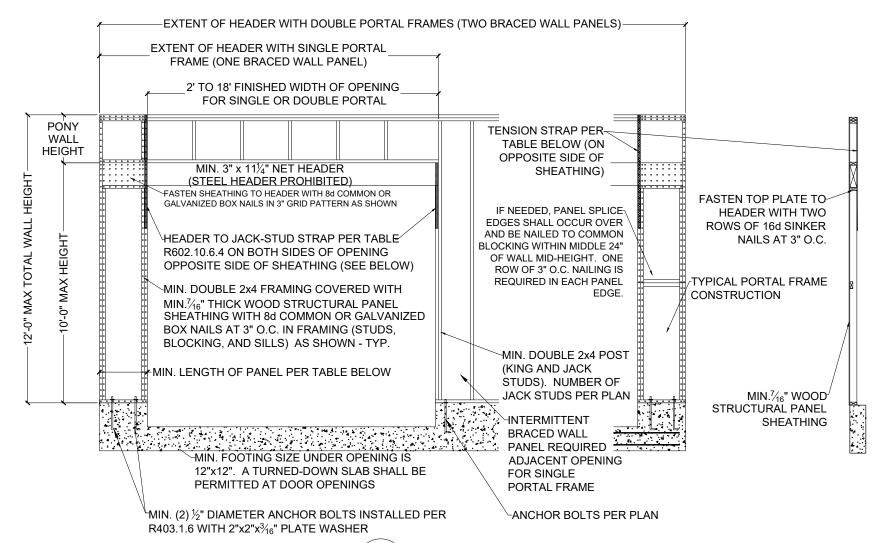


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JOB TITLE: SVF102 SPEC
LOT 102, SUMMIT VIEW FARMS
LOCATION: 3211 SW ENOCH ST.
LEE'S SUMMIT, MISSOURI









1 \METHOD PFH (PORTAL FRAME WITH

S3.0/HOLD-DOWNS) - PER FIGURE IRC R602.10.6.2

SCALE: ½" = 1'-0" (18x24) OR 3/8" = 1'-0" (24x36)

	MINIMUM		ENGTH (INCHES)		AIL 1/S3.0
		W	ALL HEIG	HT	
	8 FEET	9 FEET	10	11	12
	OFEEI	SFEET	FEET	FEET	FEET
SUPPORTING ROOF ONLY	16	16	16	18	20
SUPPORTING ONE STORY AND ROOF	24	24	24	27	29

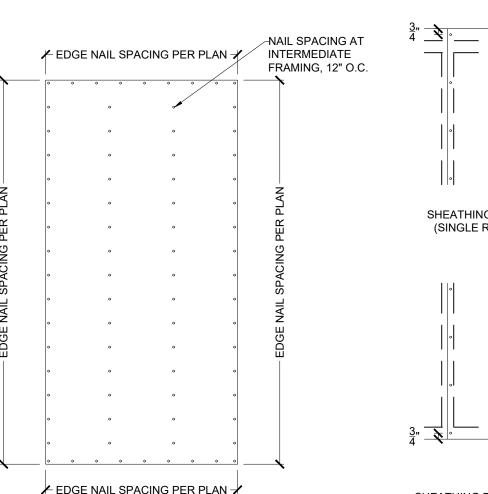
TENSION STRAP REQUIRED FOR HEADER TO JACK STUD FOR DETAILS 1/S3.0 AND 2/S3.0 (FROM TABLE R602.10.6.4)						
MAX GARAGE OPENING	PONY WALL WALL HT.	REQUIRED SIMPSON	MIN. STRAP END LENGTH	NAILS REQUIRED IN EAC		
(FT.)	(FT.)	STRAP	WIIN. STRAF END LENGTH	STRAP END LENGTH		
18'-0"	0'-0"	CS20	0'-9"	(7) 8d		
9'-0"	1'-0"	CS20	0'-9"	(7) 8d		
18'-0"	1'-0"	CS14	1'-4"	(15) 8d		
9'-0"	2'-0"	CS18	0'-11"	(9) 8d		
18'-0"	2'-0"	CMSTC16	1'-8"	(25) 16d SINKER		
9'-0"	4'-0"	CMSTC16	1'-8"	(25) 16d SINKER		
16'-0"	4'-0"	CMST14	2'-6"	(33) 10d		



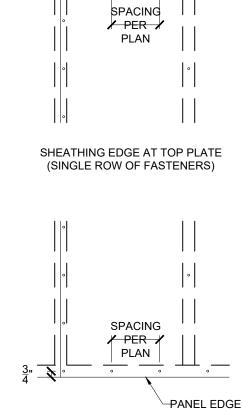
SCALE: 1/4" = 1'-0" (18x24) OR 3/8" = 1'-0" (24x36)

MINIMUM PANEL LENGTH FOR DETAIL 2/S3.0 (INCHES					
	V	/ALL HEIGH	T		
8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	
24	27	30	33 ^a	36 ^a	

a. Maximum opening height for PFG is 10 feet in accordance with Figure R602.10.6.3, but wall height may be increased to 12 feet with pony wall

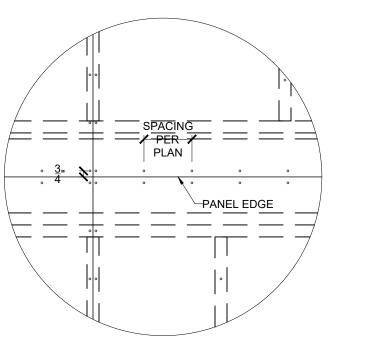






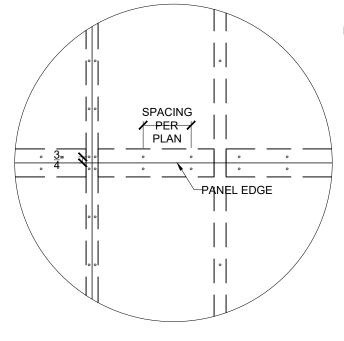
SHEATHING EDGE AT BOTTOM PLATE (SINGLE ROW OF FASTENERS)





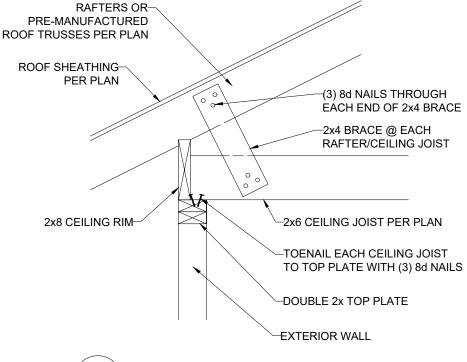
5 \SHEATHING EDGE AT HORIZONTAL

S3.0/FRAMING MEMBER SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)

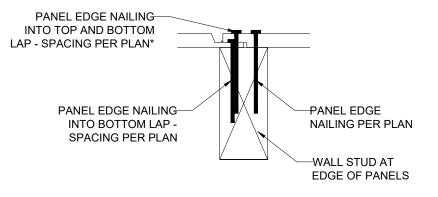


6 SHEATHING EDGE AT PANEL S3.0/SPLICE ACROSS STUDS

SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)

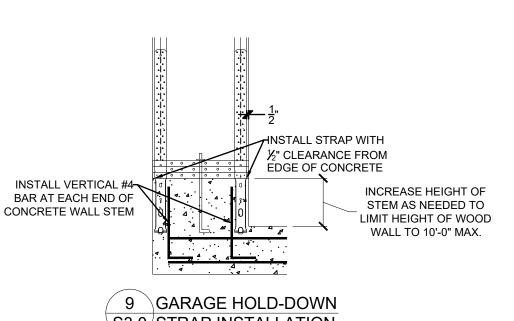


7 RAFTER BEARING OPTION DETAIL $\sqrt{3.0}$ SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



*NOTE: NAILING INTO TOP AND BOTTOM LAP IS IN ADDITION TO NAILING REQUIRED INTO BOTTOM LAP. FOR EXAMPLE, IF PLAN CALLS FOR NAILS @ 6" O.C. AT EDGES, BOTTOM LAP SHALL BE FASTENED AT 6" O.C AND, IN ADDITION, NAILING SHALL ALSO BE INSTALLED THROUGH TOP AND BOTTOM LAP @ 6" O.C. STAGGERED 3" FROM BOTTOM LAP NAILING

8 FASTENING INSTRUCTIONS FOR S3.0/SHIPLAP PANEL SHEATHING SCALE: 4" = 1'-0" (18x24) OR 6" = 1'-0" (24x36)



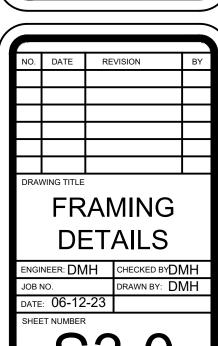
SCALE: ½" = 1'-0" (18x24) OR ¾" = 1'-0" (24x36)

SHEET NUMBER S3.0/STRAP INSTALLATION



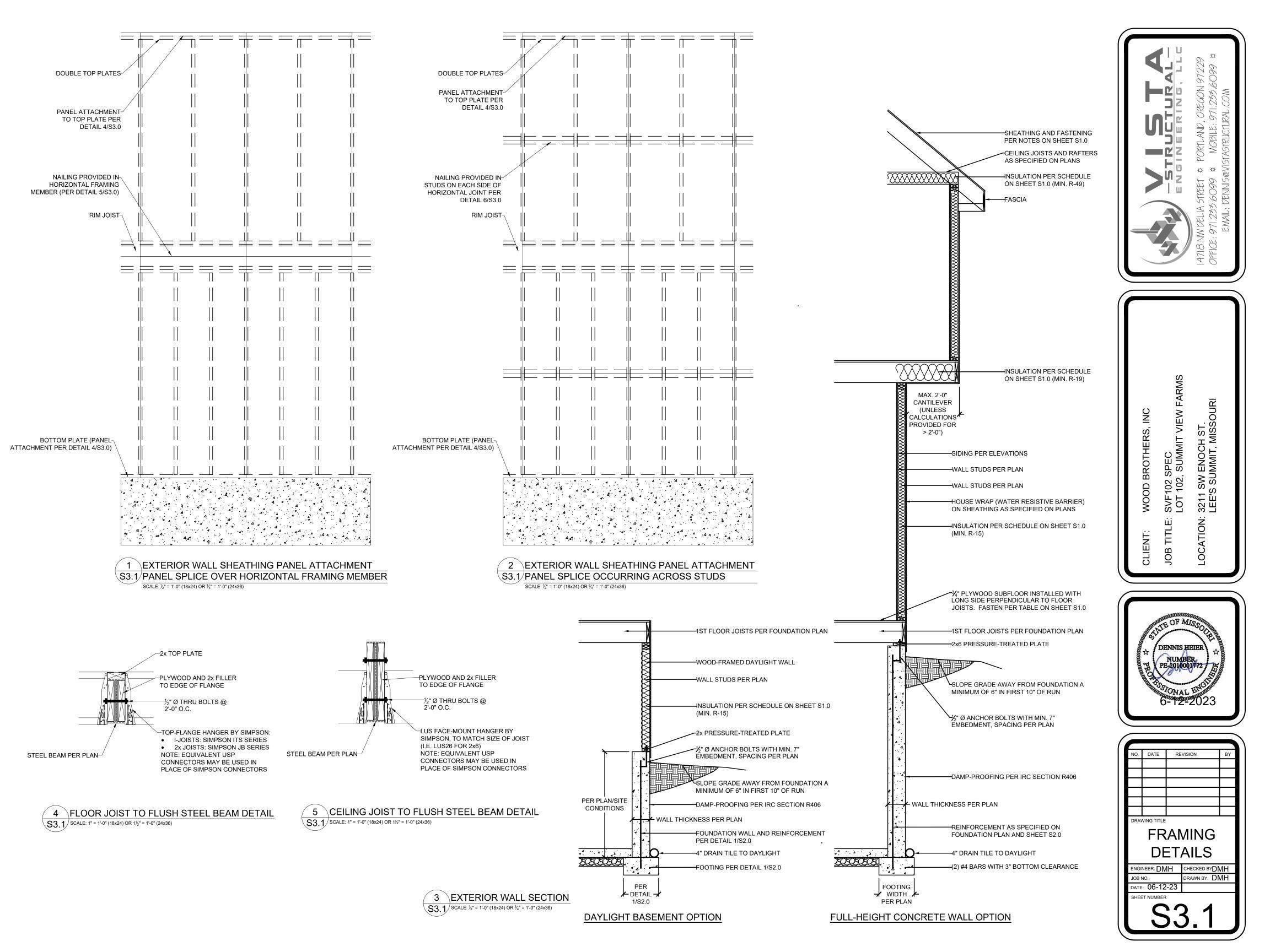
SW ENOCH ST. S SUMMIT, MISSO SPEC S, SUMMIT SVF102 S LOT 102, 3211 LEE'S JOB

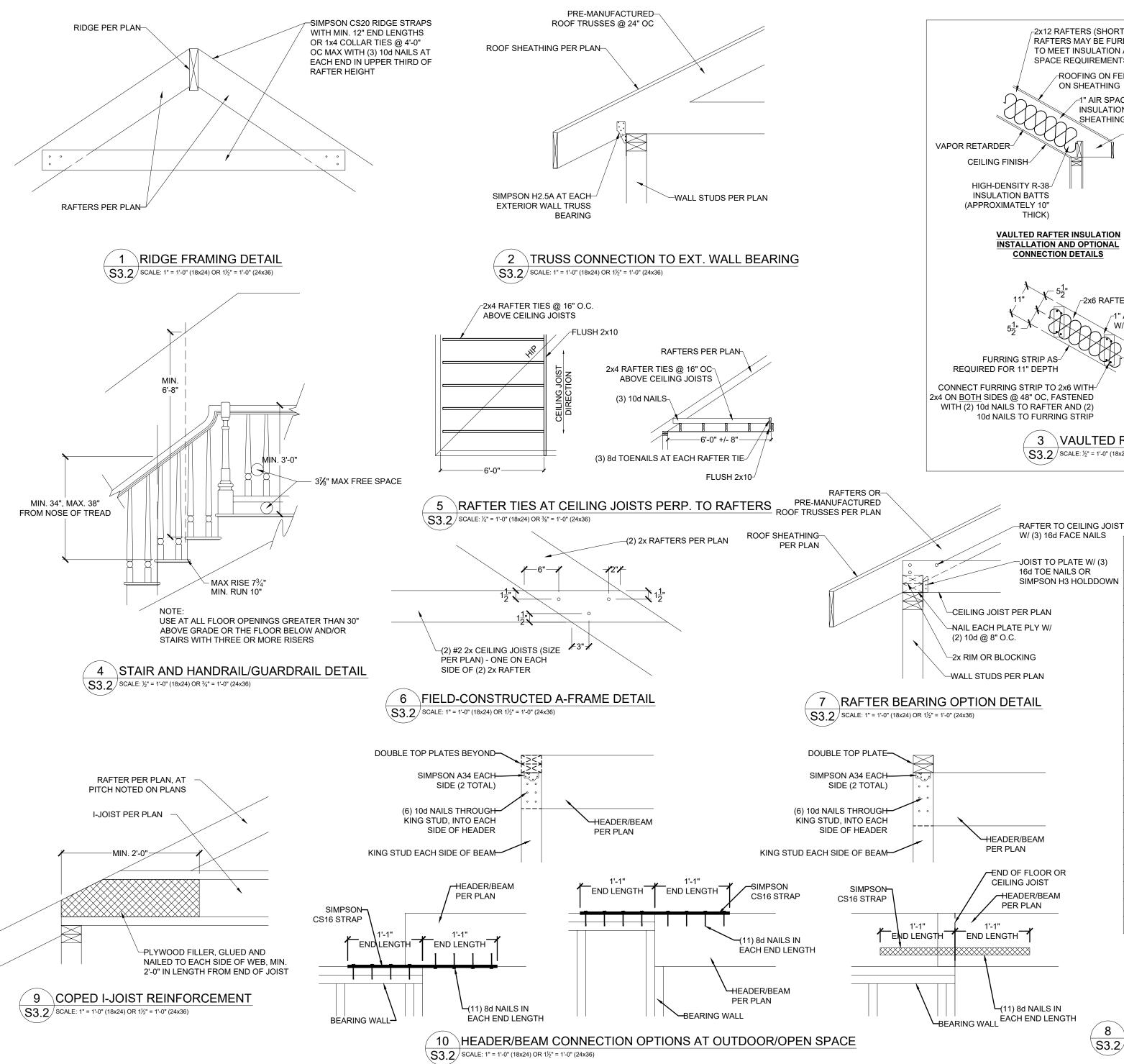
WOOD BROTHERS, INC

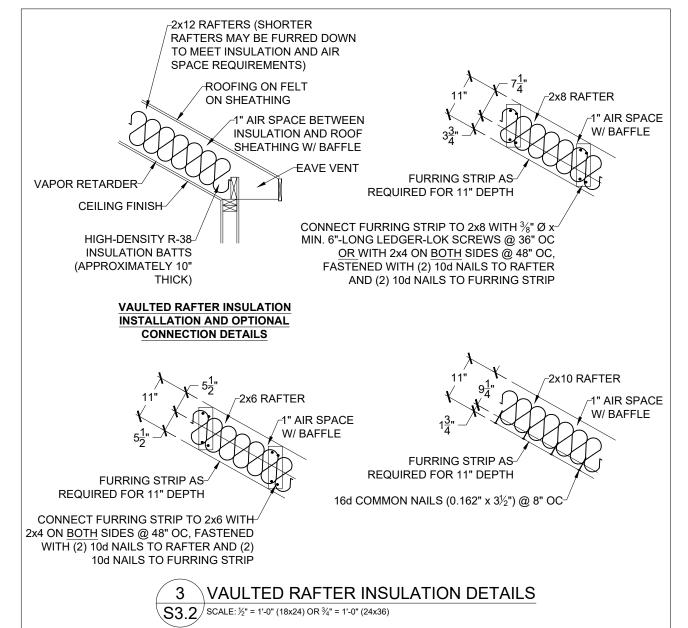


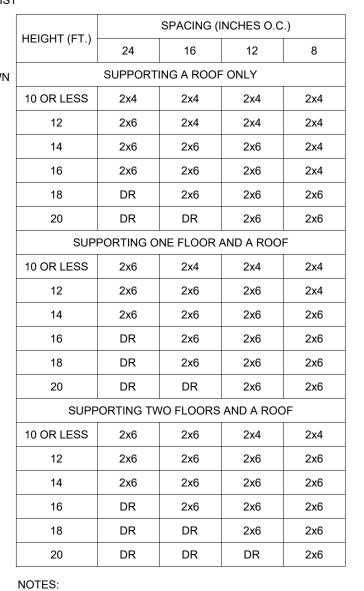
DENNIS HEIER

PE-2010001772









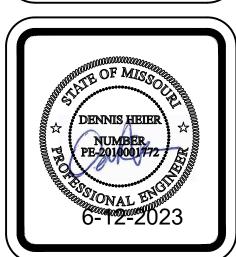
1) DR = DESIGN REQUIRED
2) UTILITY, STANDARD, STUD AND #3 GRADE LUMBER OF
ANY SPECIES ARE NOT PERMITTED
3) THIS TABLE DOES NOT APPLY FOR STUDS
SUPPORTING MEMBERS WITH A TRIB. LENGTH GREATER
THAN 6'-0"

8 MAXIMUM ALLOWABLE LENGTH OF S3.2 WOOD WALL STUDS (IRC TABLE 602.3.1)

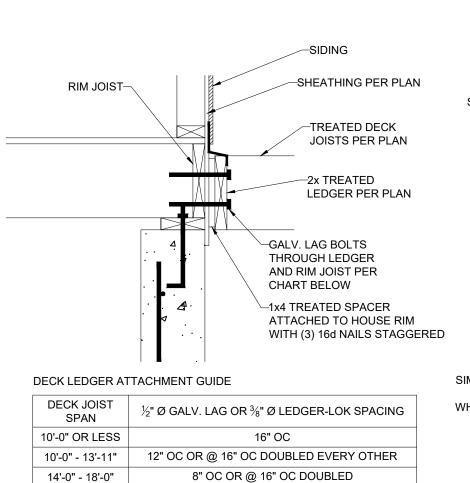


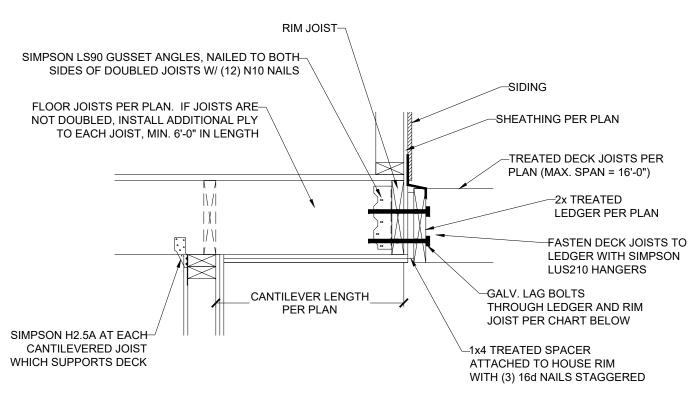
JOB TITLE: SVF102 SPEC
LOT 102, SUMMIT VIEW FARMS
LOCATION: 3211 SW ENOCH ST.
LEE'S SUMMIT, MISSOURI

WOOD BROTHERS, INC



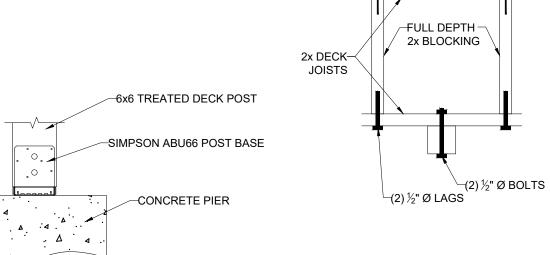
NO.	DATE	RE	VISION		BY
DRAN	WING TITLE				
FRAMING DETAILS					
ENGI	NEER: DN	1H	CHECKI	ED BYD	МН
JOB NO.		DRAWN BY: DMH			
DATE	: 06-12	-23			
SHEE	ET NUMBER				

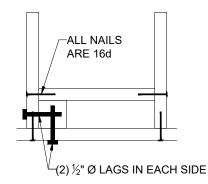




2 \CANTILEVER WITH DECK ATTACHMENT

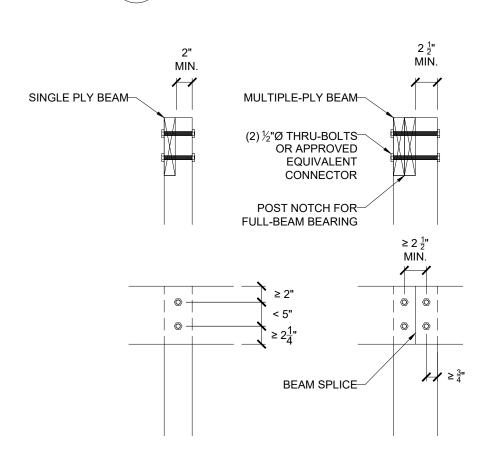
53.3 SCALE: 1" = 1'-0" (18x24) OR $1\frac{1}{2}$ " = 1'-0" (24x36)

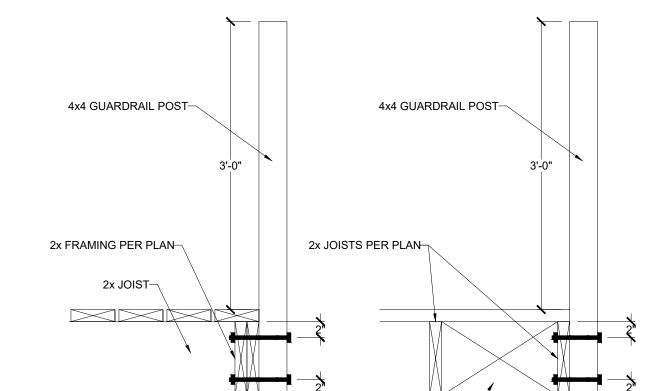


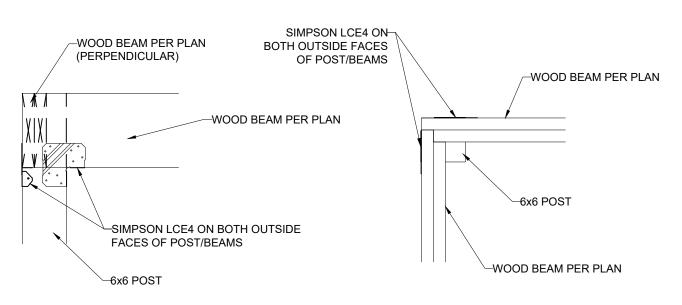




1 LEDGER ATTACHMENT S3.3 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)

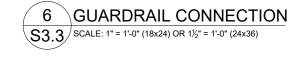




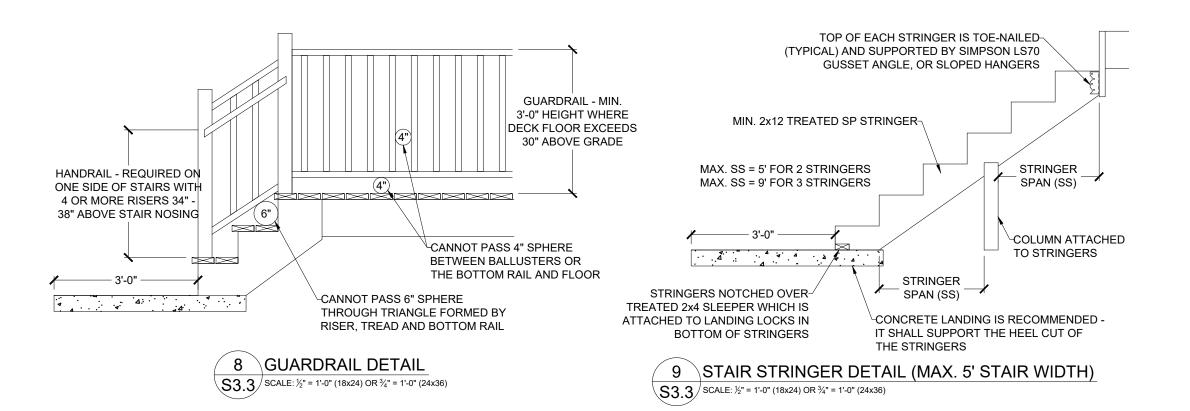


7 ALTERNATE COVERED DECK/PORCH INTERSECTION
S3.3 CORNER BEAM CONNECTION
SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)

5 LET-IN (COVERED) DECK BEAM CONNECTION S3.3 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)

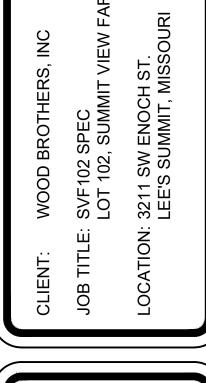


2x BLOCKING-

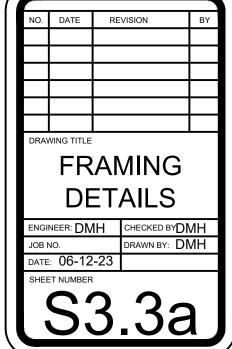


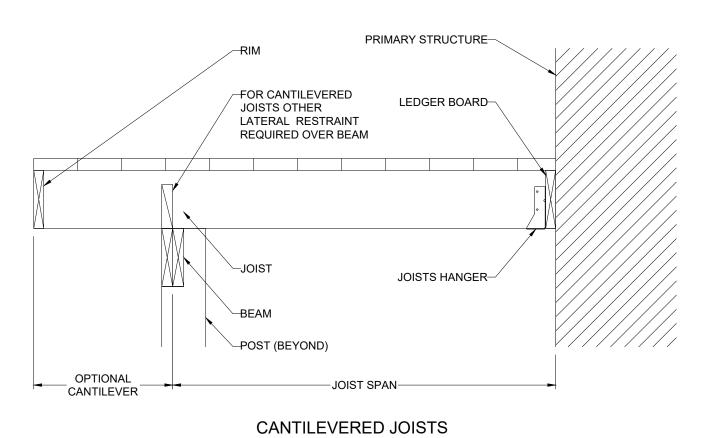
3 DECK POST BASE

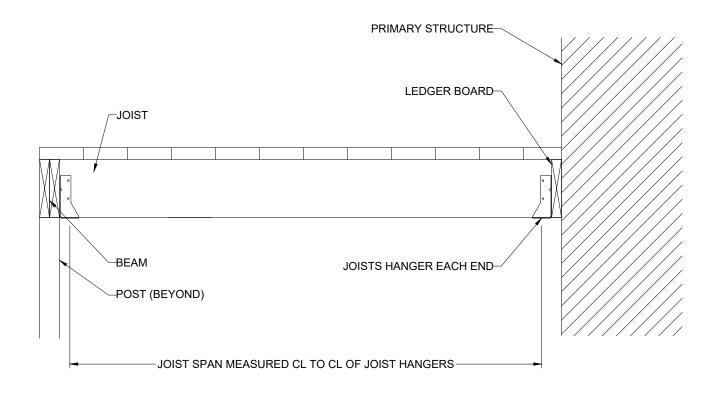
S3.3 SCALE: 1" = 1'-0" (18x24) OR $1\frac{1}{2}$ " = 1'-0" (24x36)



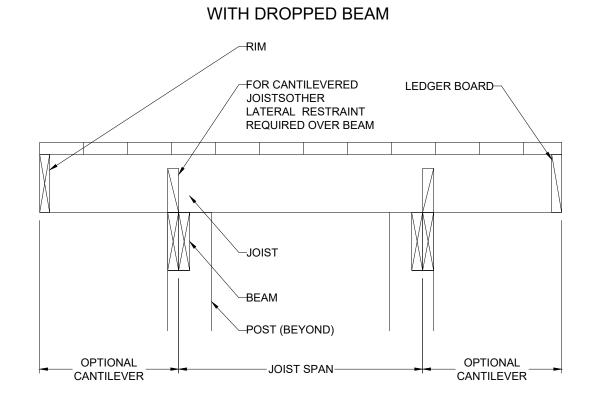


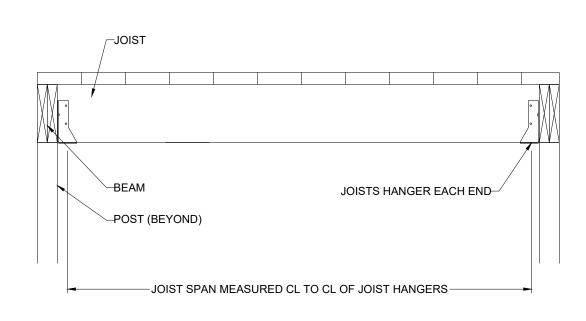






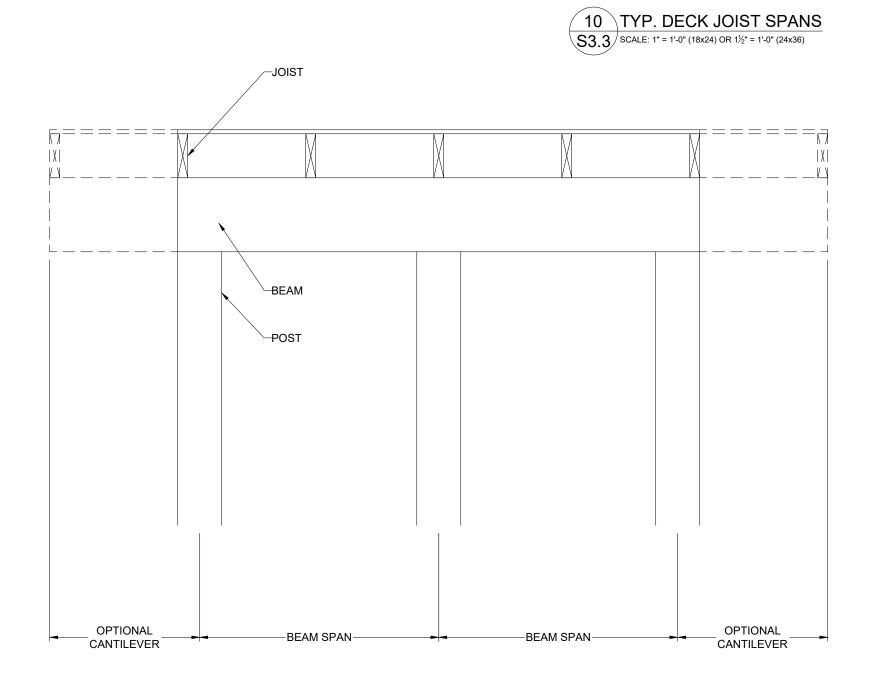
JOISTS WITH FLUSH BEAM

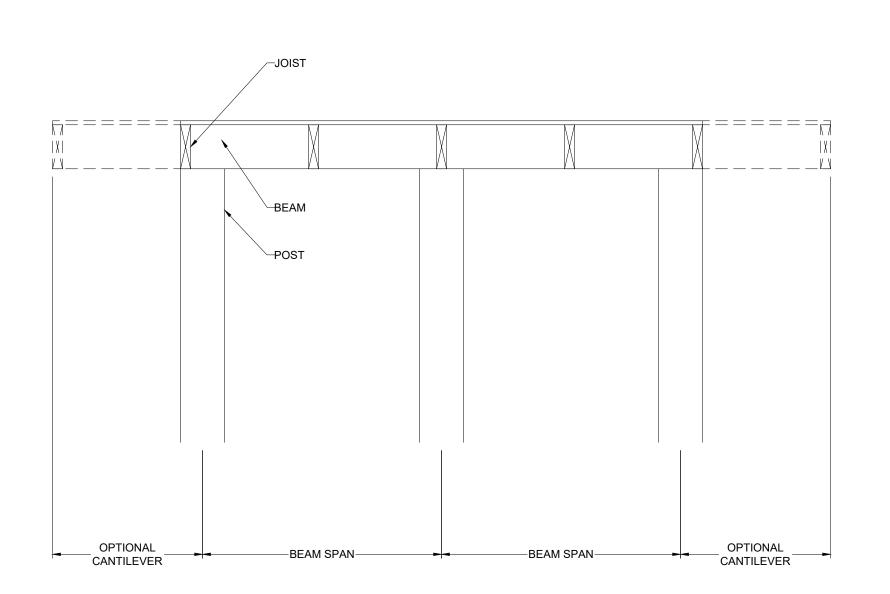




JOISTS ON FREE-STANDING DECK WITH DROPPED BEAM

JOISTS WITH FLUSH BEAM







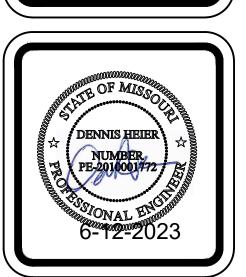
CLIENT: WOOD BROTHERS, INC

JOB TITLE: SVF102 SPEC

LOT 102, SUMMIT VIEW FARMS

LOCATION: 3211 SW ENOCH ST.

LEE'S SUMMIT, MISSOURI



NO.	DATE	RE	VISION	BY		
DRA	WING TITLE					
FRAMING DETAILS						
ENGINEER: DMH CHECKED BYDMH						
JOB I	NO.		DRAWN BY: D	МН		
DATE	: 06-12	-23				
SHEET NUMBER						
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DROPPED BEAM FLUSH BEAM