DESIGN CRITERIA:

WIND SPEED: 120 MPH SEISMIC DESIGN: B SNOW LOAD: 10 PSF **CONCRETE BEARING CAPACITY: 3000 PSI**

LIVING AREA: 2,141 S.F. GARAGE: 423 S.F. COVERED PORCH: 134 S.F. TOTAL AREA UNDER COVERED PORCH: 2,698 S.F. REAR DECK: 120 S.F. **TOTAL AREA: 2,818 S.F.**



THE SPENCER, J., RESIDENCE FOR PERMIT MARCH 7, 2025

MITCHELL HOMES, INC. 14300 SOMMERVILLE COURT MIDLOTHIAN, VA 23113 PHONE: 804-378-5211 FAX: 804-378-0811 www.MITCHELLHOMESINC.com



	DRAWING INDEX
SHEET	
#	SHEET NAME
A1.0	COVERSHEET
A1.1	GENERAL NOTES
A2.1	FRONT AND REAR ELEVATIONS
A2.2	SIDE ELEVATIONS
A3.1	FOUNDATION PLAN
A3.2	FRAMING PLAN
A3.3	FINISH PLAN
A3.4	ENLARGED FLOOR PLAN
A3.5	ELECTRICAL PLAN
A3.8	ROOF PLAN
A4.1	BUILDING SECTION
A4.2	TYPICAL WALL SECTION
A4.3	MISC. DETAILS
A4.4	MISC. DETAILS
A4.5	BATH DETAIL
A5.1	BRACED WALL PANEL LAYOUT



APPROVED nited building only revie full compliance with the coo

03/11/2025

ALL WORK SHALL CONFORM WITH ALL GOVERNING LAWS, CODES AND ORDINANCES INCLUDING, BUT NOT LIMITED TO, THE NORTH CAROLINA RESIDENTIAL CODE (2018).

DESIGN CRITERIA:

1. "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" BY NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA).

2. "SPECIFICATIONS FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS" BY AMERICAN INST. OF STEEL CONSTRUCTION (AISC).

3. "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" BY AMERICAN CONCRETE **INSTITUTE (ACI)**

4. "SPECIFICATIONS FOR CONCRETE MASONRY CONSTRUCTION" BY AMERICAN CONCRETE **INSTITUTE (ACI)**

FLOOR LIVE LOAD:	40 PSF
FLOOR DEAD LOAD:	10 PSF
GARAGE LIVE LOAD:	50 PSF
GARAGE DEAD LOAD:	50 PSF
DECK LIVE LOAD:	40 PSF
DECK DEAD LOAD:	20 PSF
SNOW LOAD:	10 PSF
WIND SPEED:	120 MPH
SEISMIC DESIGN:	В

ALLOWABLE DEFLECTION PER TABLE R301.7

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2018 IRC ONE AND TWO FAMILY DWELLING CODE AS PREPARED BY THE INTERNATIONAL COUNCIL OF BUILDING OFFICIALS, AND ALL LOCAL BUILDING CODES.

2. CONTRACTOR SHALL COMPLY WITH THE CONTENT OF THE SPECIFICATIONS FOR THIS HOUSE. THESE PLANS ARE NOT TO BE SCALED FOR CONSTRUCTION PURPOSES. ALL DIMENSIONS SUPERCEDE ANY SCALED REFERENCE. ANY DIMENSIONAL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER.

3. CONTRACTOR TO VERIFY ALL DIMENSIONS.

4. THE CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS, AND VERIFY THE REQUIREMENTS OF THE OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, ETC.

5. FINAL CONNECTION OF ALL WATER AND SEWER TO THE RESIDENCE IS THE RESPONSIBLITIY OF THE CUSTOMER. PLEASE COORDINATE IN ADVANCE ALL FEES, APPLICATIONS, AND AUTHORITIES INVOLVED IN THE CONNECTION OF WATER & SEWER

PORCH NOTES:

1. ALL DECKING AND STEPS TO BE PRESSURE TREATED #2 SOUTHERN YELLOW PINE OR BETTER AND TREATED IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) STANDARD C2.

2. WHERE DECKS FASTEN TO HOUSE FRAMING. PROVIDE A CONTINUOUS TREATED LEDGER THRU BOLTED TO FLOOR STRUCTURE PER IRC 2018 R507.

3. FASTENERS FOR PRESSURE TREATED LUMBER TO BE GALVINIZED.

4. # OF STEPS DEPENDENT ON GRADE, 3 STEPS INCLUDED, SEE CONTRACT FOR ADDITIONAL FOUNDATION CHARGES.

5. FRONT PORCH RAILS AND BALUSTERS TO BE BLACK POWDER COATED ALUM .; SEE OPTION #72610.

FOUNDATION NOTES:

1. ALL FOOTINGS. INCLUDING SLAB ON GRADE. SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL WITH AN ALLOWABLE BEARING CAPACITY OF 2000 PSF. MIN.

2. ALL FOUNDATION CONCRETE SHALL OBTAIN A 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI. ALL SLAB ON GRADE CONCRETE AND CONCRETE EXPOSED TO WEATHER SHALL OBTAIN A 28-DAY COMPRESSIVE STRENGTH OF 3500 PSI AND BE AIR ENTRAINED.

3. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60.

4. CONCRETE PROTECTION FOR REINFORCING AS WELL AS PLACING AND FABRICATION OF REINFORCING SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS" (ACI 318).

5. EARTH FORMED FOOTINGS SHALL CONFORM TO THE SHAPE. LINES, AND DIMENSIONS AS SHOWN ON THE FOUNDATION PLAN. ALL WATER SHALL BE REMOVED PRIOR TO PLACING CONCRETE. FOOTING NOT TO BE PLACED ON FROZEN GROUND.

6. BEFORE PLACING CONCRETE, ALL EMBEDDED ITEMS SHALL BE PROPERLY LOCATED, ACCURATELY POSITIONED AND MAINTAINED SECURELY IN PLACE.

7. FOUNDATION FOOTING DEPTH MAY VARY ACCORDING TO LOCAL CODES AND FROST CONDITIONS.

REQUIREMENTS.

9. PROVIDE 1/2" DOUBLE GALV. FOUNDATION ANCHOR BOLTS AT 6' O.C. MAX. 1'-0" FROM CORNERS. SECURE TO SILL PLATE OR BOTTOM PLATE WITH 1/2" WASHER & NUT. NO LESS THAN 2 ANCHORS PER SECTION.

10. SLABS SHALL HAVE CONTROL JOINTS IN PLACE WITHIN 48 HOURS AFTER POUR.

11. CONT. FOOTINGS @ FOUNDATIONS W/ BRICK & 8" BLOCK SHALL BE 20" WIDE X 10" THICK, U.N.O.

12. CONT. FOOTINGS @ FOUNDATIONS W/ 8" PARGED BLOCK SHALL BE 16" WIDE X 10" THICK, U.N.O.

13. ALL CONTINUOUS REINFORCING SHALL LAP 48 BAR DIAMETERS UNLESS OTHERWISE NOTED ON THE DRAWINGS.

14. FOUNDATION DRAINS SHALL BE LOCATED PER LOCAL CODES.

FRAMING NOTES:

1. JOISTS SPANS WERE DETERMINED ON THE BASIS OF THE ALLOWABLE STRESSES PER 2018 IRC.

2. PROVIDE DOUBLE JOISTS BELOW ALL PARALLEL PARTITIONS, AND ABOVE AND AROUND ALL OPENINGS NOT INDICATED ON DRAWINGS.

3. PROVIDE SOLID BLOCKING BETWEEN FLOOR JOISTS UNDER WALLS THAT ARE PERPENDICULAR TO THE FLOOR JOISTS.

4. SHEATH ALL EXTERIOR WALLS WITH NOMINAL 1/2" STRUCTURAL GRADE 2 PLYWOOD OR NOMINAL 1/2" OSB.

5. PROVIDE MIN. DOUBLE JAMB FOR ALL BEAMS, U.N.O.

6. PROVIDE MIN. TRIPLE JACK FOR ALL GIRDER TRUSSES. U.N.O.

7. PROVIDE SOLID BLOCKING BELOW ALL COLUMNS TO TRANSFER LOAD DIRECTLY TO FRAMING AND OR FOUNDATION.

8. BALLOON FRAME ALL END WALLS WITH CATHEDRAL CEILINGS, U.N.O.

9. ALL FLUSH FRAMED LVL OR PSL BEAM TO BEAM CONNECTIONS TO BE FASTENED WITH BEAM HANGERS, DESIGNED AND PROVIDED BY LVL OR PSL MANUFACTURER, UNLESS A SPECIFIC HANGER CONNECTOR IS CALLED FOR.

FLUSH FRAMED JOISTS.

11. JOIST HANGERS, HURRICANE CLIPS, POST BASED, POST CAPS, AND OTHER FRAMING SPECIALTIES ARE TO BE AS MANUFACTURED BY USP AND ARE TO BE USED ONLY IN STRICT ACCORDANCE WITH MANUFACTURERS WRITTEN SPECIFICATIONS.

12. USE "H" CLIPS FOR ALL UNSUPPORTED ROOF SHEATHING BUTT JOISTS.

13. WOOD EXPOSED THE THE ENVIROMENT, ATTACHED DIRECTLY TO CONCRETE OR DESIGNATED AS "TREATED" SHALL BE #2 SOUTHERN YELLOW PINE OR BETTER AND TREATED IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) STANDARD C2. FASTENERS FOR PRESSURE TREATED WOOD TO BE GALVINIZED.

16. ALL OSB SUBFLOOR TO BE GLUED AND NAILED W/ 8d NAILS. ALL OSB SHEATHING TO BE NAILED W/ 8d NAILS.

19. 2-STORY HOMES TO HAVE 1" "SHEETROCK WINDOW" FOR STOCKING. ONE DRYWALL WINDOW ON EACH FLOOR. LOCATION TO BE DETERMAINED IN FIELD. ALL WINDOWS TO BE DOUBLE-HUNG U.N.O.

20. CEILINGS IN ATTACHED GARAGES SHALL BE 5/8" TYPE "X" WHEN THERE IS A CONDITIONED SPACE ABOVE.

21. ALL ROOFS WITH SLOPES LESS THAN 4/12 TO HAVE DOUBLE ICE SHEILD UNDERLAYMENT.

22. ALL INTERIOR PRE-HUNG DOORS TO HAVE ROUGH OPENING WIDTH OF 1-1/2" GREATER THAN DOOR FRAME SIZE.

8. DAMPPROOFING AND WATERPROOFING SHALL BE INSTALLED PER MANUF. SPECIFICATIONS AND LOCAL CODE

10. JOIST HANGERS ARE TO BE A MIN. OF 16 GAUGE. SIZE. AND PROFILE TO SUIT APPLICATION. U.N.O., PROVIDE HANGERS FOR ALL

14. ENGINEERED JOISTS/ TRUSSES SHALL BE MANUFACTURED AND INSTALLED PER MANUF. WRITTEN SPECIFICATIONS.

15. ALL EXTERIOR AND INTERIOR WALLS TO BE CONSTRUCTED OF 2X4 STUDS @ 16" O.C., U.N.O.

17. ICE & WATER SHEILD INSTALLED 8"-12" IN FEILD, 4"-6" EDGE ABOVE LIVING SPACE. ADD DOUBLE LAYER ON ANY ROOF UNDER 3/12.

18. ALL RAFTERS, GIRDERS, JOISTS, AND HEADERS TO BE #2 SOUTHERN YELLOW PINE OR BETTER, U.N.O.

ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR TO DESIGN & INSTALL COMPLETE ELECTRICAL SYSTEM IN ACCORDANCE W/ THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE, ALL LOCAL ELECTRICAL CODES, AND THE LOCAL UTILITY COMPANY'S REQUIREMENTS.

2. ALL WORK SHALL BE EXECUTED IN A NEAT AND WORKMANLIKE MANNER. JUNCTION BOXES SHALL BE SECURELY FASTENED. SET TRUE AND PLUMB. AND FLUSH WITH FINISHED SURFACE WHEN WIRING METHOD IS CONCEALED.

3. SIZE AND PROVIDE ADDITIONAL CIRCUITRY BASED ON DEMAND OF SCHEDULED FIXTURES AND EQUIPMENT. INCLUDE A REASONABLE ALLOWANCE FOR SPACE CIRCUITS AND FUTURE EXPANSION.

4. THE ELECTRICAL CONTRACTOR SHALL VERIFY LOCATION. HEIGHT, OUTLET AND SWITCH ARRANGEMENTS, AND EQUIPMENT PRIOR TO ROUGH-IN.

5. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL WIRING MATERIALS AND MAKE ALL FINAL ELECTRICAL CONNECTIONS FOR ALL PERMANENTLY INSTALLED.

6. ALL FLUSH SWITCHED SHALL BE MOUNTED 46" TO CENTER ABOVE FINISHED FLOOR U.N.O. RECEPTACLE OUTLETS SHALL BE MOUNTED 12" TO CENTER ABOVE FINISHED FLOOR U.N.O.

7. FURNISH AND INSTALL WHERE INDICATED, GROUND-FAULT CIRCUIT INTERRUPTER RECEPTACLES (GFI) TO PROVIDE GROUND-FAULT CIRCUIT PROTECTION AS REQUIRED BY THE CURRENT NATIONAL ELECTRICAL CODE.

8. INSTALL LAMPS FOR ALL FIXTURES. 50% ENERGY EFFICIENT.

9. PROVIDE AND INSTALL EXHAUST FANS IN ALL BATHROOMS; VENT TO EXTERIOR (REAR OR SIDE). EXHAUST FANS TO BE MOISTURE RATED.

10. SEAL ALL PENETRATIONS MADE THROUGH FOUNDATIONS. WALLS. AND ROOFS.

11. ALL SMOKE DETECTORS TO BE INSTALLED AS REQUIRED BY INTERNATIONAL RESIDENTIAL CODE AND ARE TO BE INTERCONNECTED FOR ALARM AT EACH STATION, SUCH THAT ALARM AT ANY ONE STATION WILL RESULT IN ALARM AT ALL STATIONS. SMOKE DETECTORS WILL BE HARDWIRED WITH BATTERY BACKUP.

12. PROVIDE AT LEAST (2) EXTERIOR WEATHERPROOF RECEPTACLES AS NOTED ON PLANS.

13. PROVIDE AT LEAST (1) EXTERIOR WEATHERPROOF RECEPTACLE WITHIN 25' OF HVAC EQUIPMENT LOCATED IN ATTICS OR CRAWLSPACES FOR SERVICING EQUIPMENT.

MORE.

NOTED OTHERWISE.

EXISTING CONDITIONS:

1. CONTRACTOR TO VERIFY FIELD CONDITIONS AND PLANS PRIOR TO START OF WORK. CONTACT COSTRUCTION SUPERVISOR IMMEDIATELY WITH ANY CONFLICTS BETWEEN THESE PLANS AND EXISTING FIELD CONDITIONS.

2. GRADING LINE ON PLANS IS NOT AN ACCURATE REPRESENTATION OF THE EXTSITING LOT. GRADE TO BE VERIFIED IN FIELD. HOUSE MAY CHANGE DUE TO EXISTING CONDITIONS.

HVAC NOTES:

1. HVAC CONTRACTOR IS RESPONSIBLE FOR ACCURATELY SIZING EQUIPMENT, SUPPLY VENTS & RETURN(S) BASED ON (1) TON PER 650 HEATED SQUARE FEET.

2. HVAC CONTRACTOR SHALL NOT BLOCK ATTIC ACCESS WITH SUPPLY OR RETURN DUCTWORK.

3. HVAC SHOULD FOLLOW SIGNED PLANS.

14. PROVIDE LIGHT FIXTURES AT ALL STAIR LANDINGS W/ SWITCHES AT EACH LEVEL SEPARATED BY 6 STEPS OR

15. SWITCHES AND RECEPTACLES TO BE WHITE AND OF STANDARD GRADE WITH PLASTIC COVER PLATES UNLESS

# REV. DATE DESCRIPTION	REV. DATE DESCRIPTION	REV. DATE DESCRIPTION	# REV. DATE DESCRIPTION	t, RESIDENCE	t, RESIDENCE	t, RESIDENCE	PENCER, J., RESIDENCE AL NOTES UNTY, NC Is@mitchellhomesin.com		MITCHELL HOMES, INC. 14300 SOMMERVILLE COURT	MIDLOTHIAN, VA 23113 PHONE: 804-378-5211 FAX: 804-378-0811	AFS
REV. DATE	REV. DATE	REV. DATE	# EC. DATE # IEV. DATE	t, REV.DATE	t, REV.DATE	t, RESIDENCE	THE SPENCER, J., RESIDENCE HARNET COUNTY, NC CONTACT: permis@mitchellhomesinc.com				HOMF
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3. ALL BRACKETS, ETC. MOUNTED ONTO THE EXTERIOR SHALL BE ATTACHED BY MOUNTING BLOCKS OR PVC.

4. ALL FASCIA AND RAKE BOARD TO BE 2X6, WRAPPED ALUMIN., AND INSTALLED BY FRAMERS.

5. FRAMER TO PROPERLY FLASH AND INSTALL BAND/ LEDGER BOARD FOR ALL DECKS/ STOOPS.

6. RAILS AND BALUSTERS ARE NOT INCLUDED IN THE CONTRACT PRICE UNLESS SOLD AS AN UPGRADE. IF REQUIRED BY CODE, THEN THEY WILL BE CHARGED ON A SEPARATE ADDENDUM WITH EXTRA FOUNDATION.

7. ALL EXTERIOR VENTS TO MATCH.

8. EXTERIOR COACH LIGHT LOCATIONS FOR ENTRY DOORS TO BE INSTALLED @ 80" A.F.F.; SEE DETAILS ON A3.5.

9. REPLACE INCLUDED BRUSHED NICKEL INTERIOR AND EXTERIOR DOOR KNOBS WITH MATTE BLACK DOOR KNOBS; SEE OPTION #41048.

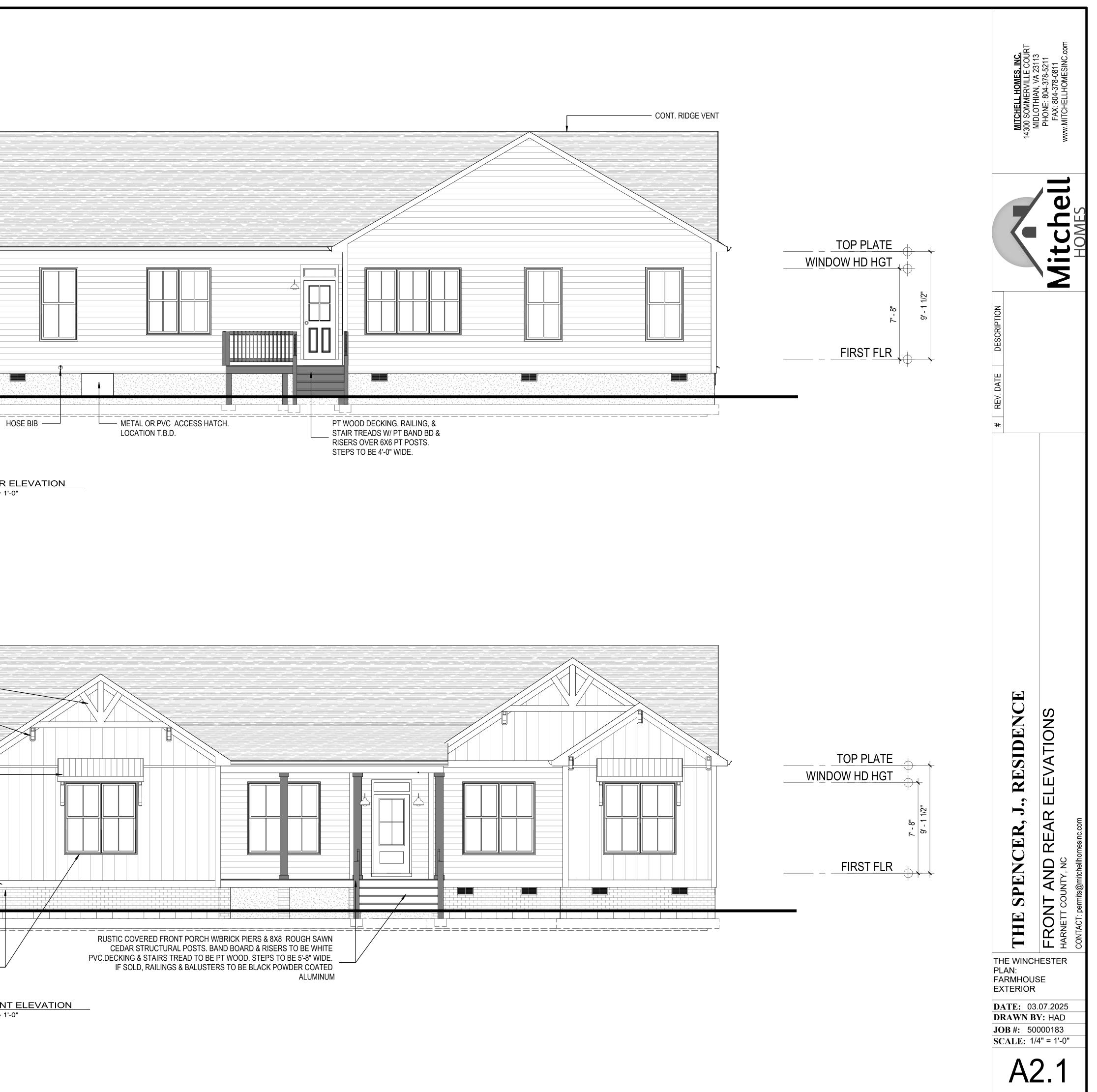
10. 9-FOOT CEILINGS ON FIRST FLOOR ONLY; SEE OPTION #00090.

STANDARD VINYL SIDING PARGED BLOCK FOUNDATION



LIVING AREA: 2,141 S.F. GARAGE: 423 S.F. <u>COVERED PORCH: 134 S.F.</u> TOTAL AREA UNDER COVERED PORCH: 2,698 S.F. REAR DECK: 120 S.F. TOTAL AREA: 2,818 S.F.

0 2' 4'



ELEVATION NOTES:

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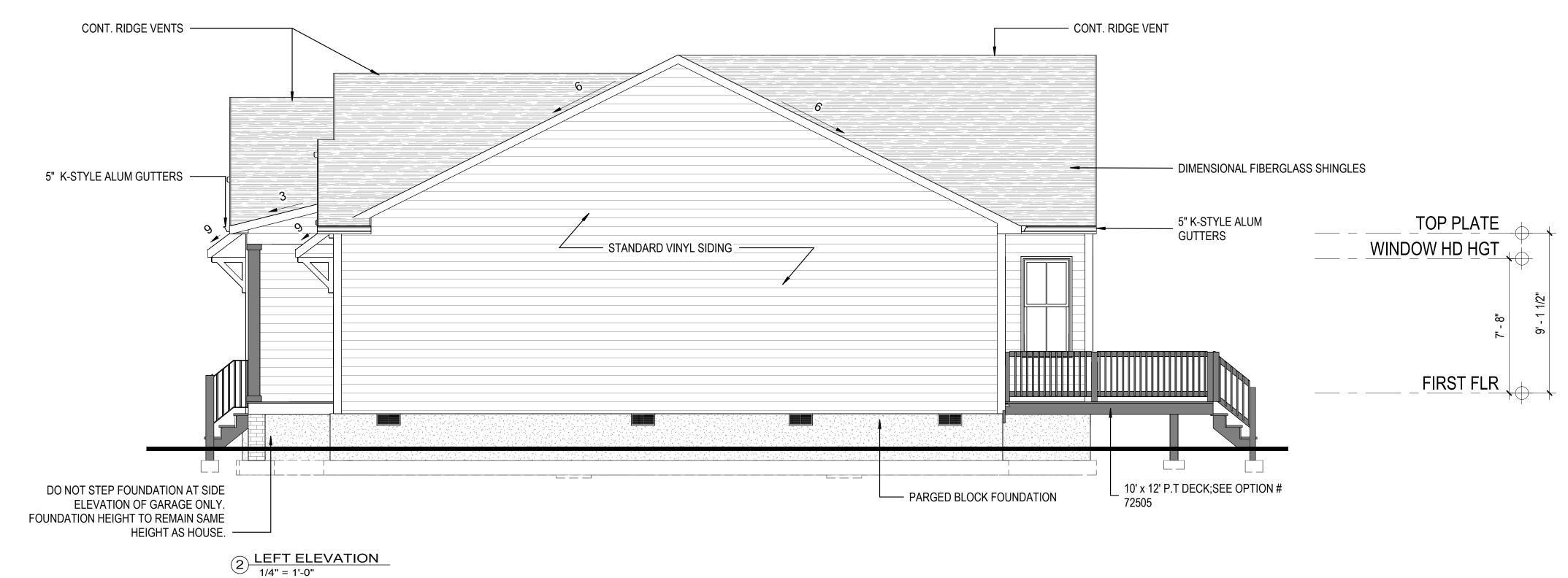
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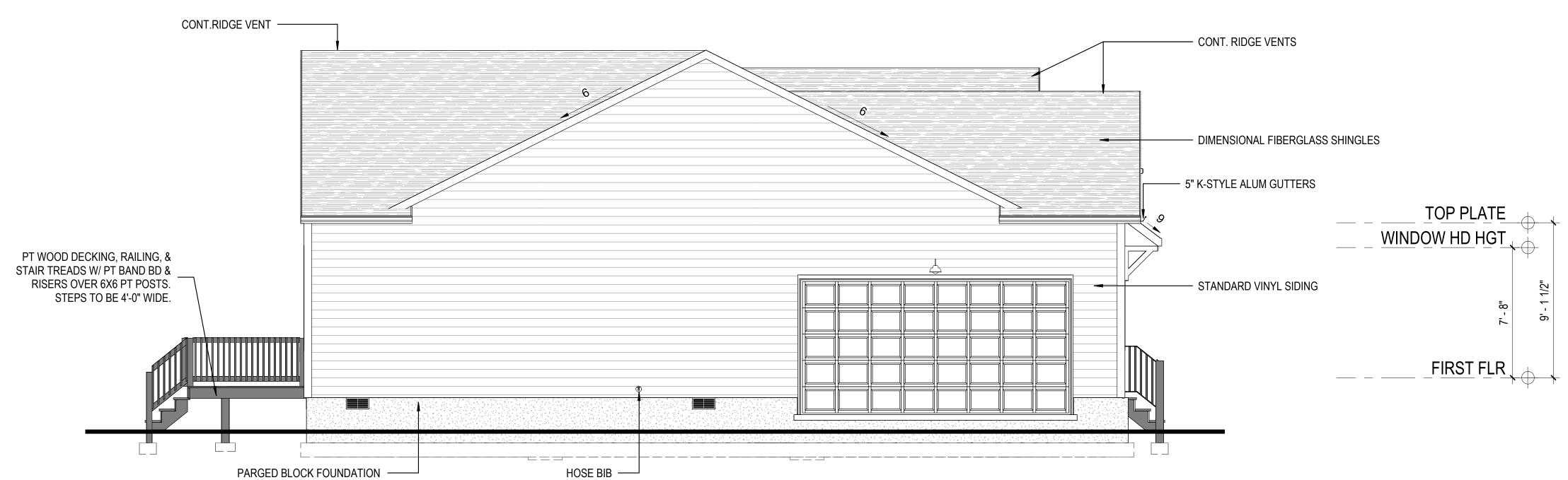
7. ALL EXTERIOR VENTS TO MATCH.

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9. REPLACE INCLUDED BRUSHED NICKEL INTERIOR AND EXTERIOR DOOR KNOBS WITH MATTE BLACK DOOR KNOBS; SEE OPTION #41048.

10. 9-FOOT CEILINGS ON FIRST FLOOR ONLY; SEE OPTION #00090.





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1) **RIGHT ELEVATION** 1/4" = 1'-0"

0 2' 4'

	MITCHELL HOMES, INC. 14300 SOMMERVILLE COURT	MIDLOTHIAN, VA 23113 PHONE: 804-378-5211 FAX: 804-378-0811 MITCHELLHOMESINC 50m	
		Mitchell	Ш
# REV. DATE DESCRIPTION			
	INCE		
	SPENCER, J., RESIDENCE	ELEVATIONS	mits@mitchellhomesinc.com
PLA FAF EXT		HESTER SE	CONTACT: peri
DR JOI	AWN E B #: 50	BY: HAD 0000183 /4'' = 1'-0	

FOUNDATION PLAN NOTES:

1. MITCHELL HOMES, INC. PROVIDES 4 COURSE FOUNDATION STANDARD. EXTRA FOUNDATION IS NOT INCLUDED. SEE CONTRACT FOR ADDITIONAL FOUNDATION CHARGES. *IF ADDITIONAL COURSES ARE SOLD ACCESS DOOR TO REMAIN STANDARD SIZE/ MATERIAL W/ (4) BRICK TIES UNLESS AN UPGRADED DOOR IS SOLD.

2. ANCHOR BOLTS TO BE SET BY MASON OR CONCRETE CONTRACTOR.

3. FOOTING CONTRACTOR TO PROVIDE 1 1/2" PVC SLEEVE THROUGH FOOTING.

4. BORA-CARE TERMITE PRE-TREATMENT PROVIDED THROUGHOUT.

5. # OF STEPS DEPENDENT ON GRADE, 3 STEPS INCLUDED, SEE CONTRACT FOR ADDITIONAL FOUNDATION CHARGES.

6. INTERIOR GRADE TO BE NO MORE THAN 3" FROM EXTERIOR GRADE.

7. PROVIDE 6 MIL POLY VAPOR BARRIER OVER INSIDE GRADE.

8. FRAMER TO PROPERLY FLASH AND INSTALL BAND/ LEDGER BOARD FOR ALL DECKS/ STOOPS.

FOUNDATION VENTILATION:

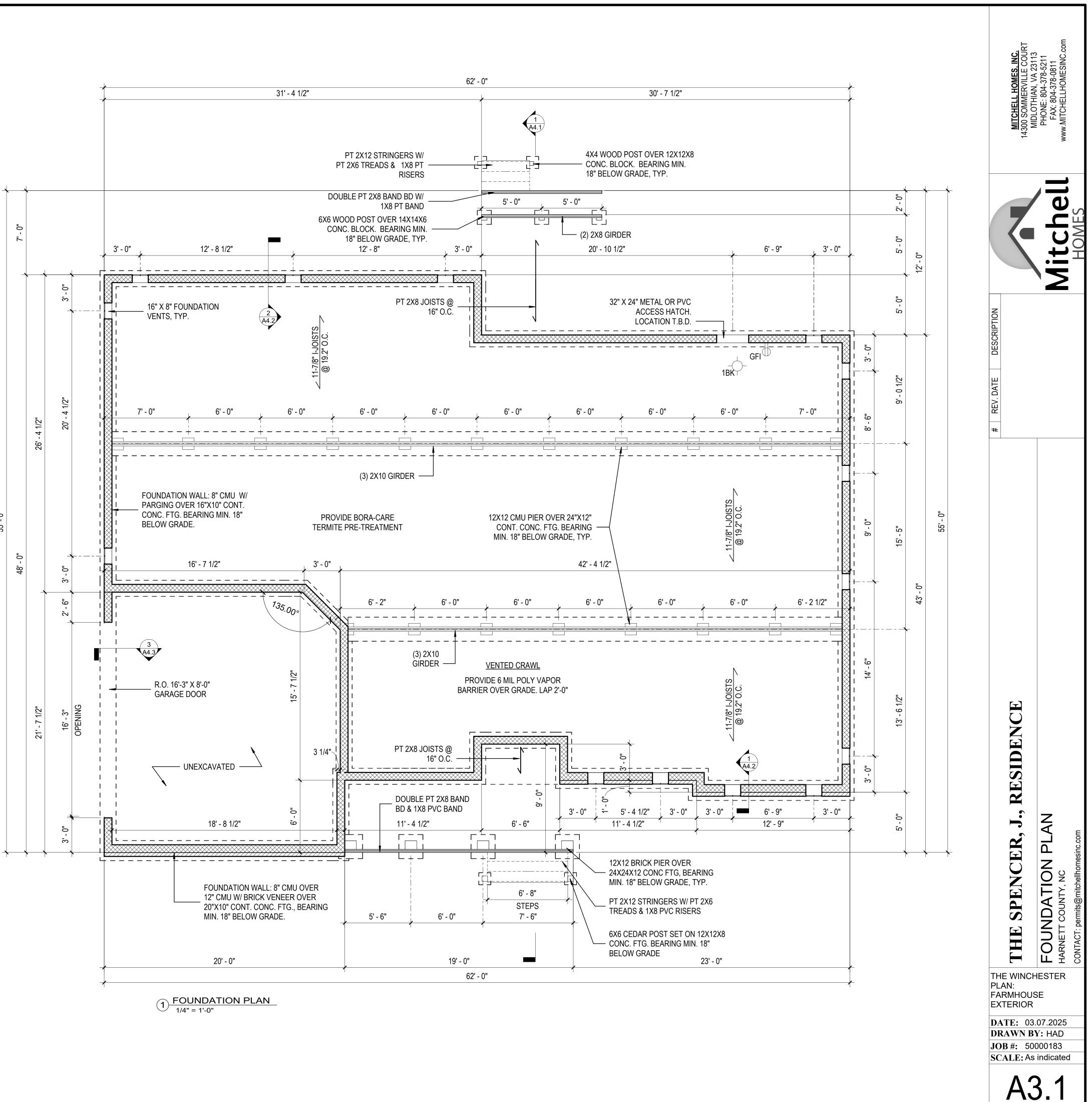
CRAWL SPACE: 2,141 S.F. ACCESS DOOR: 768 S.IN. FOUNDATION VENT NFA: 45 S.IN. NEED APPROX: 14 TOTAL # OF VENTS: 14

LEGEND

8" CMU W/ PARGING

8" CMU OVER 12" CMU W/ BRICK VENEER — — FOOTING BELOW

0 2' 4'



	PLAN NOTES
NUM	NOTE
1	2X6 WALL
2	FRAMER TO INSULATE AND WEATHERSTRIP HATCH TO CODE
3	FRAMER TO PROVIDE R-15 BATT INSULATION & AIR BARRIER TO CODE BEHIND TUB AND SHOWER PRIOR TO INSTALLATION.
4	8X8 ROUGH SAWN CEDAR STRUCTURAL POST
5	10" WRAPPED PORCH BEAM
6	FAUX WOOD BEAM ABOVE; SEE OPTION #00090 & #37013.
7	CATHEDRAL EXTENTS
8	ANTHONY POWER COLUMN UNDER GIRDER TRUSS ABOVE
9	(3) STUD POSTS
10	(2) 14" LVL ABOVE
11	(2) 9-1/4" LVL ABOVE
12	ANTHONY POWER COLUMN UNDER LVL TO SUPPORT WEIGHT OF GIRDER TRUSS
13	(3) 2X10 HDR

FRAMING PLAN NOTES:

1. 2X BLOCKING INSTALLED IN ALL KITCHEN CABINET AREAS AT 34", 54" AND 84" ABOVE FINISHED FLOOR.

2. 2X BLOCKING ON ALL PORCH CEILINGS FOR VINYL INSTALLATION.

3. ALLOW 4" MIN. FOR INTERIOR TRIM ON ALL DOORS AND WINDOW WHERE APPLICABLE. TRIM IS NOT TO BE CUT TO FIT.

4. ALL DIMENSIONS ARE FROM OUTSIDE EDGE OF EXTERIOR WALL SHEATHING OR FACE OF STUD OR CENTERLINE OF WALL, U.N.O.

5. ALL ACCESS DOORS TO BE INSULATED PER CODE.

6. FRAMERS MUST PROPERLY FLASH AND INSTALL THE BAND/LEDGER BOARD FOR ALL EXTERIOR DECKS, STOOPS, AND PORCHES.

7. TOP NOTCH 350 WEATHER RESISTANT SUBFLOOR .

8. (2) 2X8 HEADER ON ALL SINGLE WINDOWS, (2) 2X10 HEADER ON ALL DOUBLE WINDOWS & EXTERIOR DOORS. (2) 2X12 HEADER ON ALL TRIPLE WINDOWS, U.N.O.

9. RAILS AND BALUSTERS ARE NOT INCLUDED IN THE CONTRACT PRICE UNLESS SOLD AS AN UPGRADE. IF REQUIRED BY CODE, THEN THEY WILL BE CHARGED ON A SEPARATE ADDENDUM WITH EXTRA FOUNDATION.

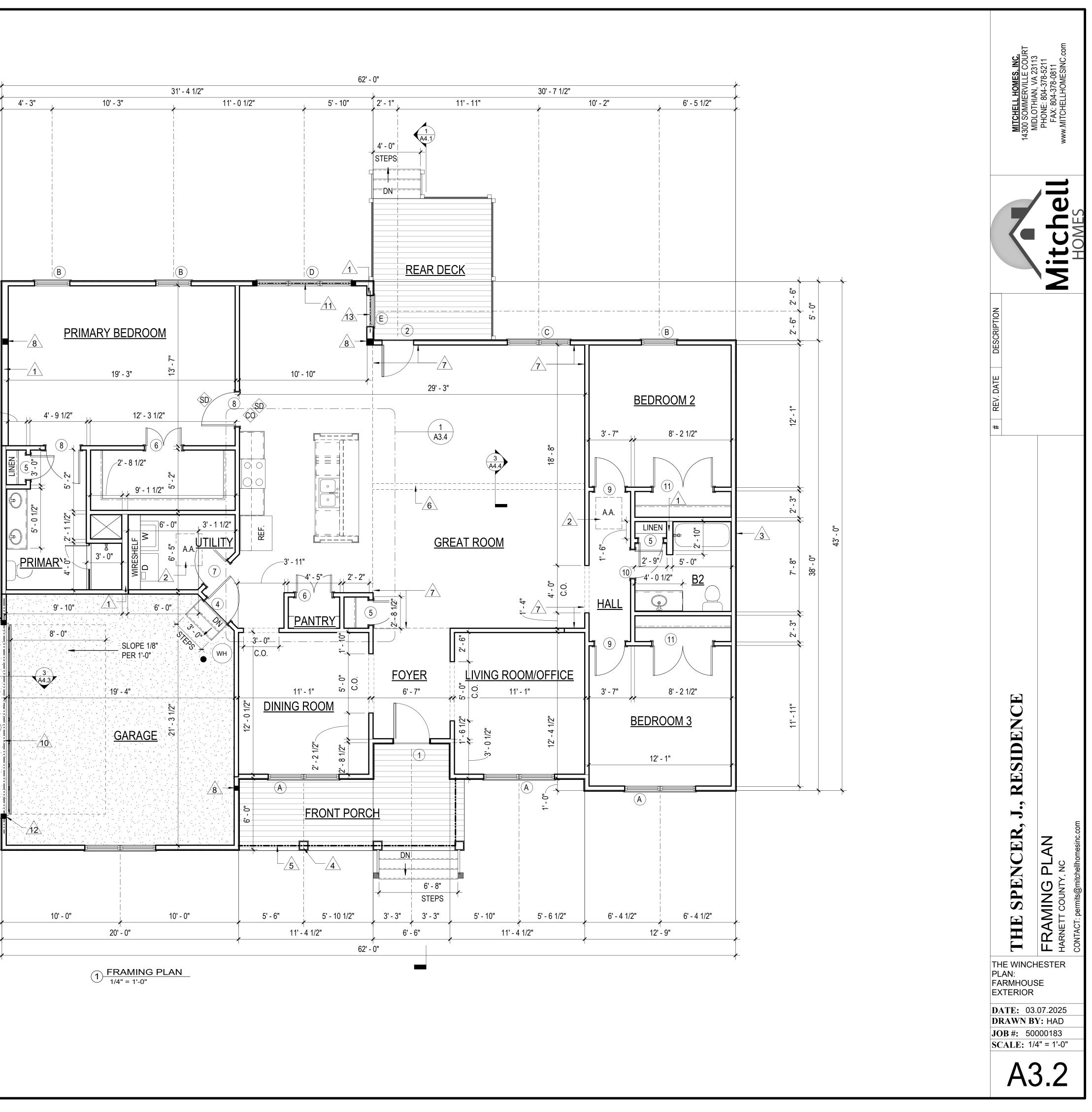
MARK	SIZE	FINISH	DESCRIPTION	COUNT	USE
1	30/68	FBRGLSS	3/4 GLASS RAISED PANEL W/ DEADBOLT & TRANSOM	1	Exterior
2	28/68	STEEL	STEEL HALF LITE W/ DEADBOLT & TRANSOM	1	Exterior
3	160/68	STEEL	OVERHEAD	1	Exterior
4	28/68	STEEL	RAISED PANEL - FIRERATED	1	Interior
5	20/68	COMP	RAISED PANEL	3	Interior
6	30/68	COMP	RAISED PANEL - DOUBLE	2	Interior
7	28/68	COMP	RAISED PANEL	1	Interior
8	210/68	COMP	RAISED PANEL	2	Interior
9	26/68	COMP	RAISED PANEL	2	Interior
10	24/68	COMP	RAISED PANEL	1	Interior
11	50/68	COMP	RAISED PANEL- DOUBLE	2	Interior

	WIN	DOWS - DOUBLE HU	ING W/ LOV	V E GLASS	
MARK	SIZE	GLAZING	U-VALUE	DESCRIPTION	COUNT
A	30/60 TWIN	STANDARD	0.29	DOUBLE HUNG	4
В	30/60	STANDARD	0.29	DOUBLE HUNG	3
С	28/56TWIN	STANDARD	0.29	DOUBLE HUNG	1
D	28/56 TRIPLE	STANDARD	0.29	DOUBLE HUNG	1
E	28/56	STANDARD	0.29	DOUBLE HUNG	1

"0 11-

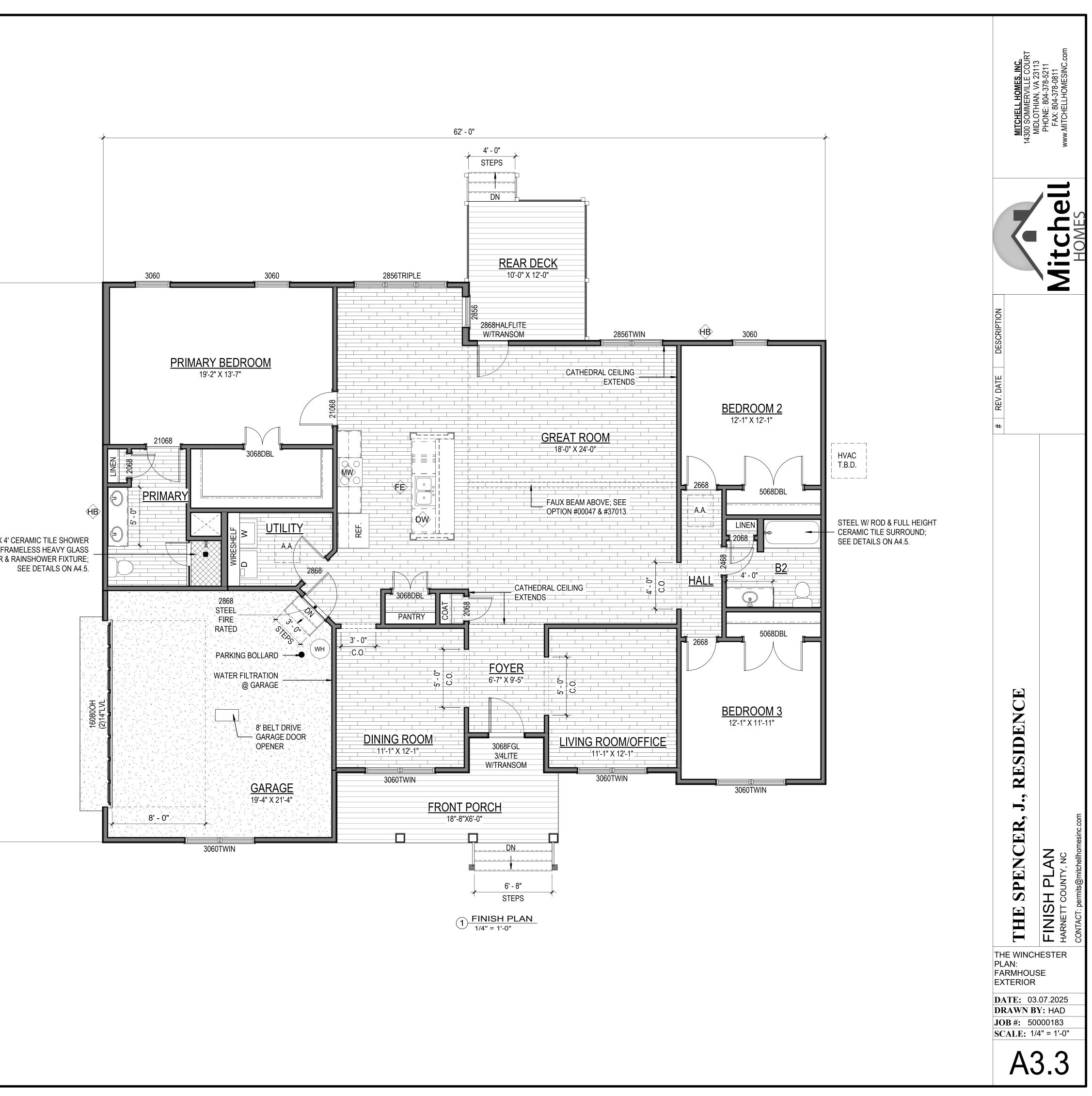


1' - 7"-



	СОМРО	ONENTS
ТҮРЕ	COUNT	COMMENTS
	2	
FIRE EXTINGUISHER HOSE BIB	1 2	2-A: 10-B: C RATED; INSTALLED
PLAN SYMBOL LEGEND		
	~	
FIRE EXTINGUISHE	۲	A.A. ATTIC ACCESS
HB HOSE BIB		
DISHWASHER HOO	KUP	
MW MICROWAVE OUTLI	T	
	_ <u> </u>	
LVP/LVT CARPET	PT DECKI	NG CONCRETE
-INISH PLAN NOTES:		
I. SEE ELEVATIONS FOR WIND		
2. # OF STEPS DEPENDENT ON FOUNDATION CHARGES.	I GRADE (3 STE	PS INCLUDED) *SEE CONTRACT FOR ADDITIO
3. 1-ZONE, 1 SYSTEM HVAC UN	IIT	
		D IN THE CONTRACT PRICE UNLESS SOLD AS A Y WILL BE CHARGED ON A SEPARATE ADDENI
5. GAS TANKLESS WATERHEA	TER; SEE OPTIC	ON #00701
6. WHOLE-HOUSE WATER FILT INCLUDED ON EVERY HOME.	RATION SYSTE	M: 2-STAGE WHOLE-HOUSE WATER FILTER
3.CATHEDRAL CEILING PACKA	GE WITH FAUX	BEAM;SEE OPTION #00047
7. 9'-FOOT CEILINGS ON FIRST	FLOOR; SEE O	PTION #00090
8.LEVEL 2 - OPTIONAL CHEF'S CABINETS WITH CM8 FOR CRO		UT - DELUXE PACKAGE. INCLUDES: 42 INCH W TRAYS;SEE OPTION #15107
9.SOLID SURFACE KITCHEN CO LAYOUT;SEE OPTION #17103	DUNTERTOP SE	ELECTION FOR OPTIONAL CHEF'S KITCHEN
10. REPLACE INCLUDED BRUS MATTE BLACK DOOR KNOBS; \$		TERIOR AND EXTERIOR DOOR KNOBS WITH 1048.

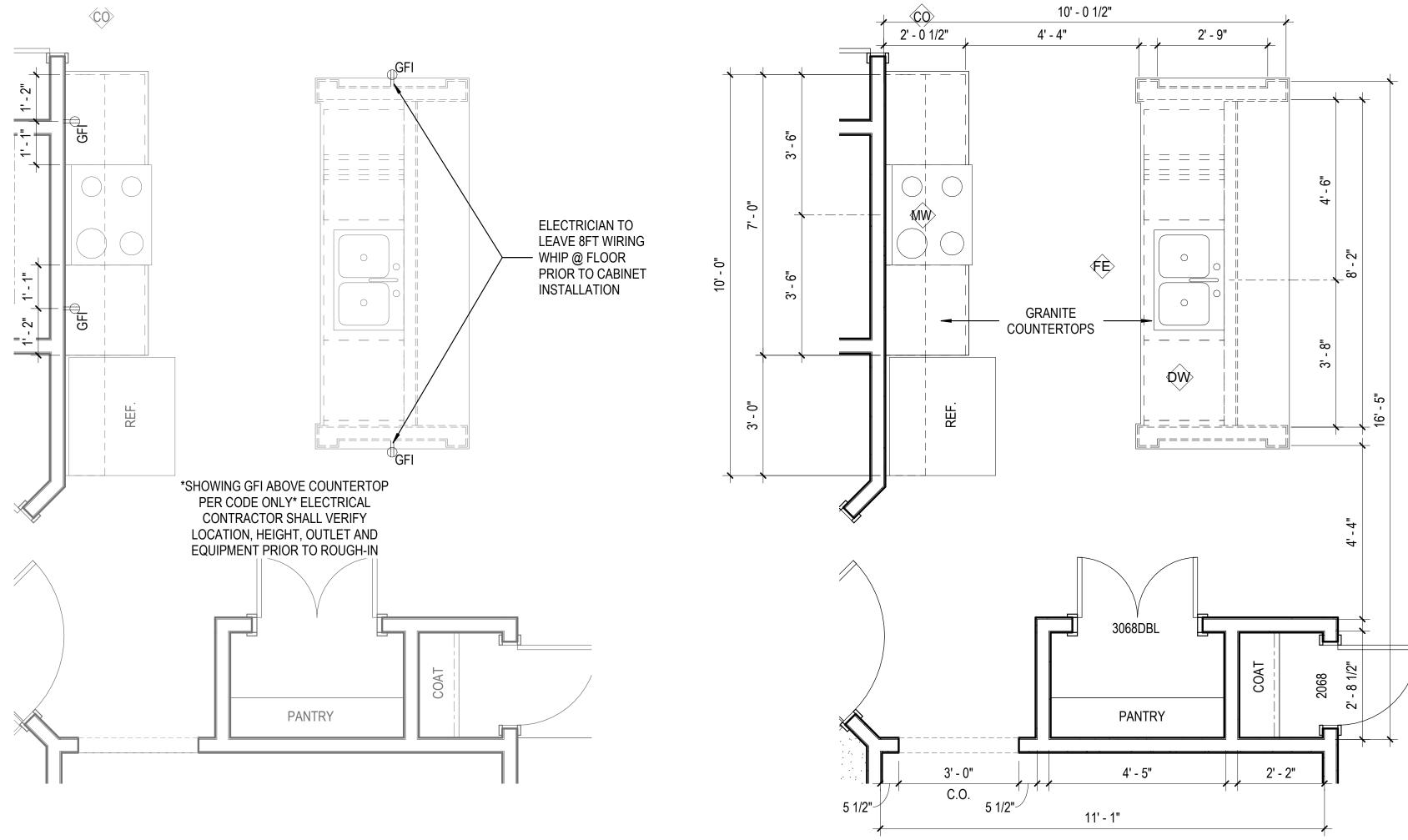
LIVING AREA: 2,138 S.F.
GARAGE: 423 S.F.
FRONT PORCH: 112 S.F.
TOTAL AREA UNDER ROOF: 2,673 S.F.
<u>P.T DECK: 120 S.F.</u>
TOTAL AREA: 2,793 S.F.



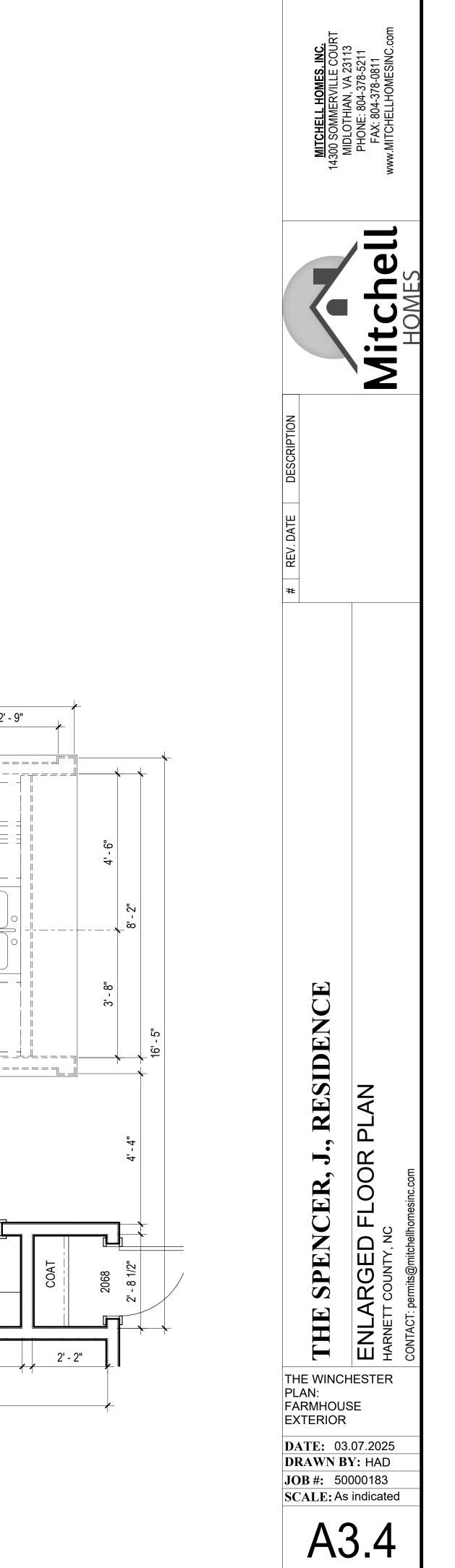
NOTES:

1. DIMS AT KITCHEN ARE FROM FACE OF CABINET TO FACE OF STUD, U.N.O.

2. LEVEL 2 - DELUXE KITCHEN CABINETS - INCLUDES 42 INCH WALL CABINETS WITH CM8 FOR CROWN, ROLL OUT TRAYS; SEE OPTION #15107.



2 ENLARGED KITCHEN RECEPTACLE PLAN 1/2" = 1'-0"



1) ENLARGED FLOOR PLAN 1/2" = 1'-0"

		ELECTRICAL FIXTURES
TYPE	COUNT	COMMENTS
120 OUTLET	3	(1) STD IN MUDROOM; (2) IN GARAGE
CABLE JACK	3	(1) STD IN GREAT ROOM; (1) STD IN PRIMARY ROOM; (1) IN LIVING ROOM/OFFICE
CEILING FAN ROUGH-IN	2	ELECTRICAL ROUGH0IN INCLUDES OVERHEAD WIRING, MOUNTING BOX, AND (2) WALL SWITCHES; FAN NOT INCLUDED.
CEILING LIGHT - 1 BULB KEYLESS	3	(1) STD. IN CRAWL SPACE, (2) IN ATTIC AREA
CEILING RECEPTACLE	1	(1) STD IN GARAGE
DISHWASHER HOOKUP	1	
EXTERIOR GFI OUTLET	5	(3) STD EXTERIOR; (1) STD IN CRAWL SPACE; (1) AT REAR DECK
GFI CEILING OUTLET	1	(1) STD. IN ATTIC AREA WITHIN 6' OF HVAC UNIT
INTERIOR GFI OUTLET	4	ABOVE KITCHEN COUNTERTOP; REQ. BY CODE
LARGE FARMHOUSE COACH LIGHT	2	
LED LIGHT	27	7.5" DIA LED
LED STRIP LIGHT	2	(2) STD IN GARAGE
METER BASE	1	
MICROWAVE OUTLET	1	
POWER PANEL	1	(1) 200 AMP PANEL
SCONCE - 2 BULB	2	
SCONCE - 3 BULB	1	
SMALL FARMHOUSE COACH LIGHT	2	
SMOKE DETECTOR	5	HARDWIRED & INTERCONNECTED

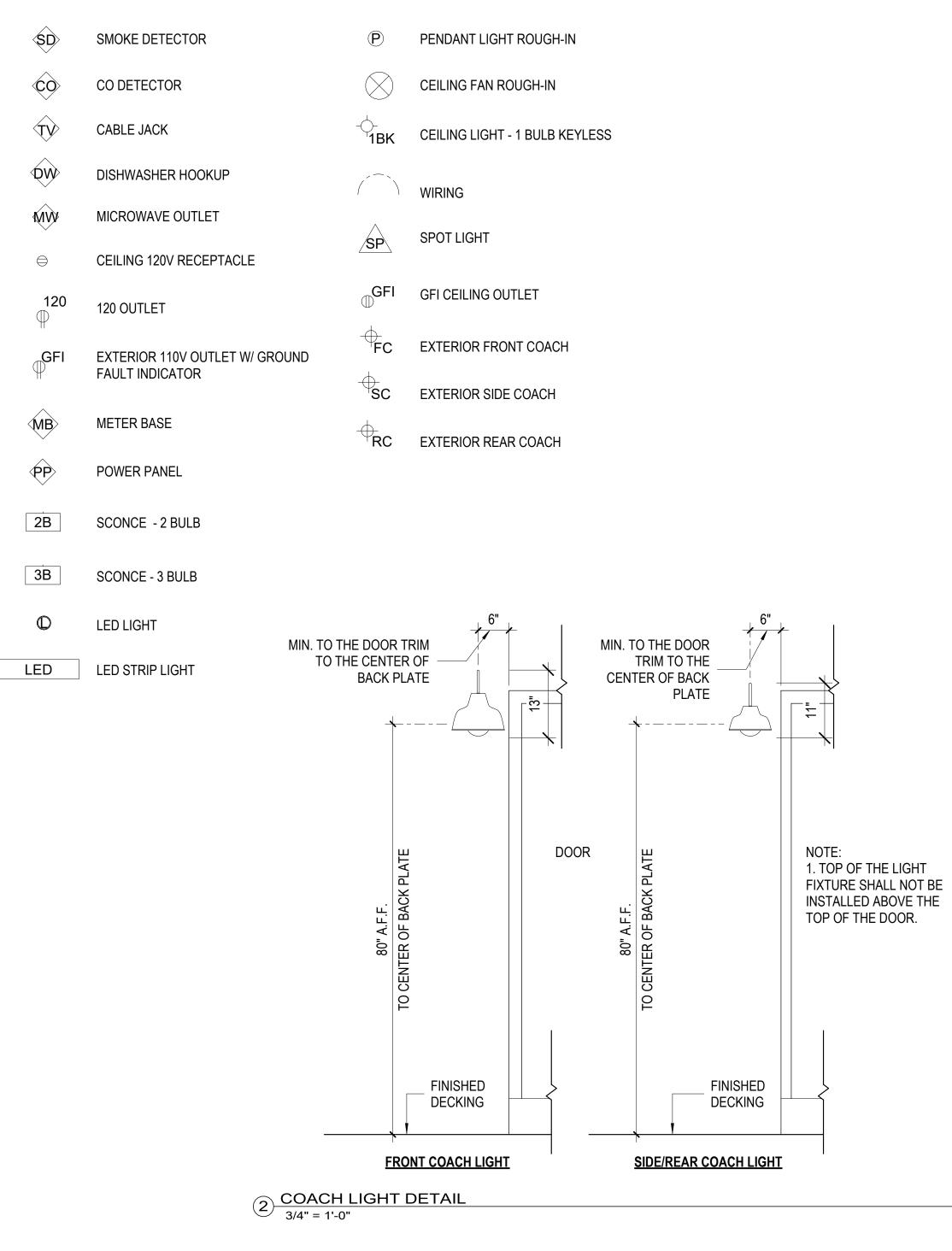
ELECTRICAL PLAN NOTES:

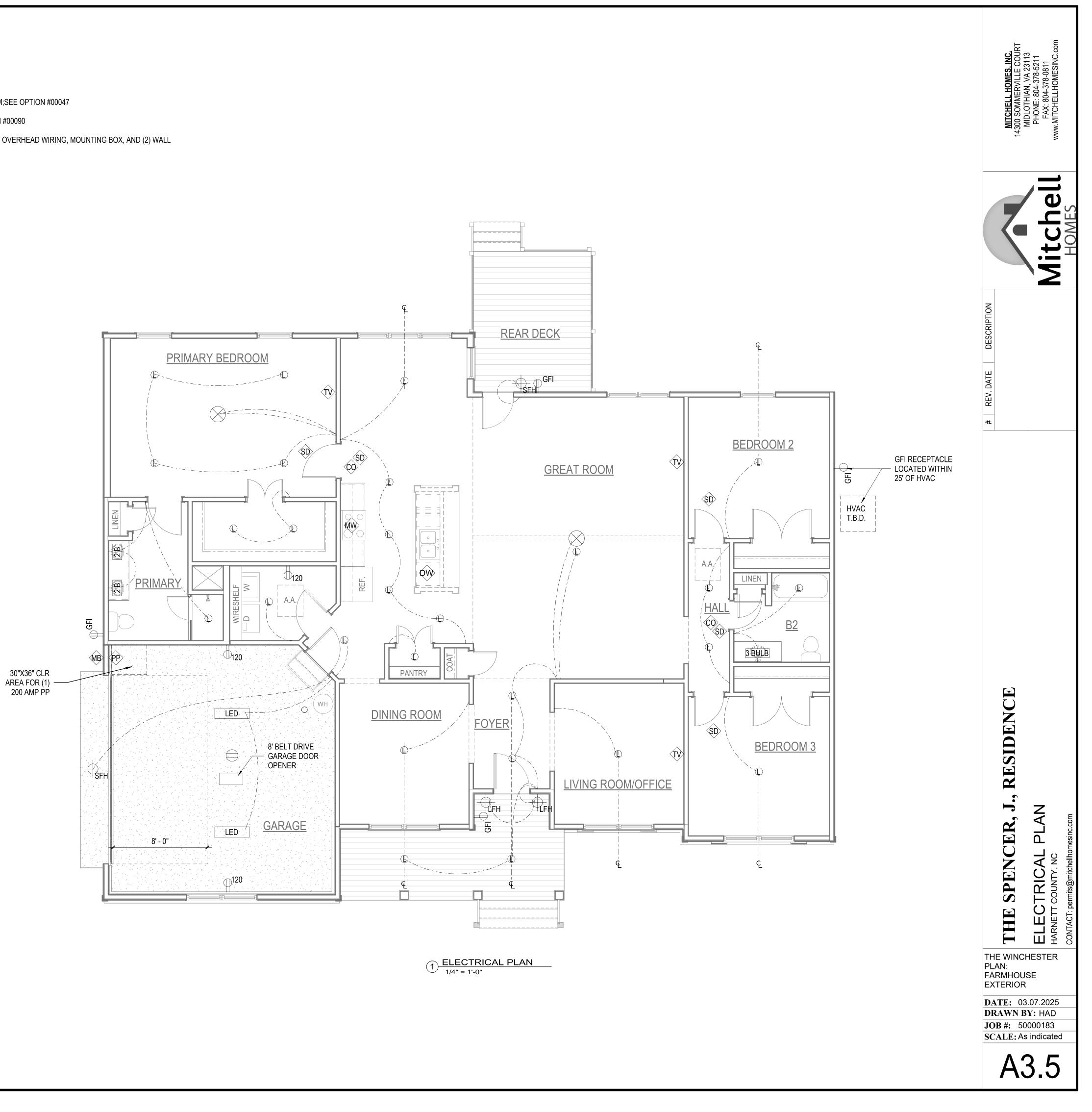
- 1. 1-ZONE, 1 SYSTEM HVAC UNIT.
- 2. (1) 200 AMP POWER PANEL
- 3.CATHEDRAL CEILING PACKAGE WITH FAUX BEAM;SEE OPTION #00047

4.9'-FOOT CEILINGS ON FIRST FLOOR; SEE OPTION #00090

5.CEILING FAN ELECTRICAL ROUGH-IN - INCLUDES OVERHEAD WIRING, MOUNTING BOX, AND (2) WALL SWITCHES;SEE OPTION #22545

ELECTRICAL SYMBOL LEGEND

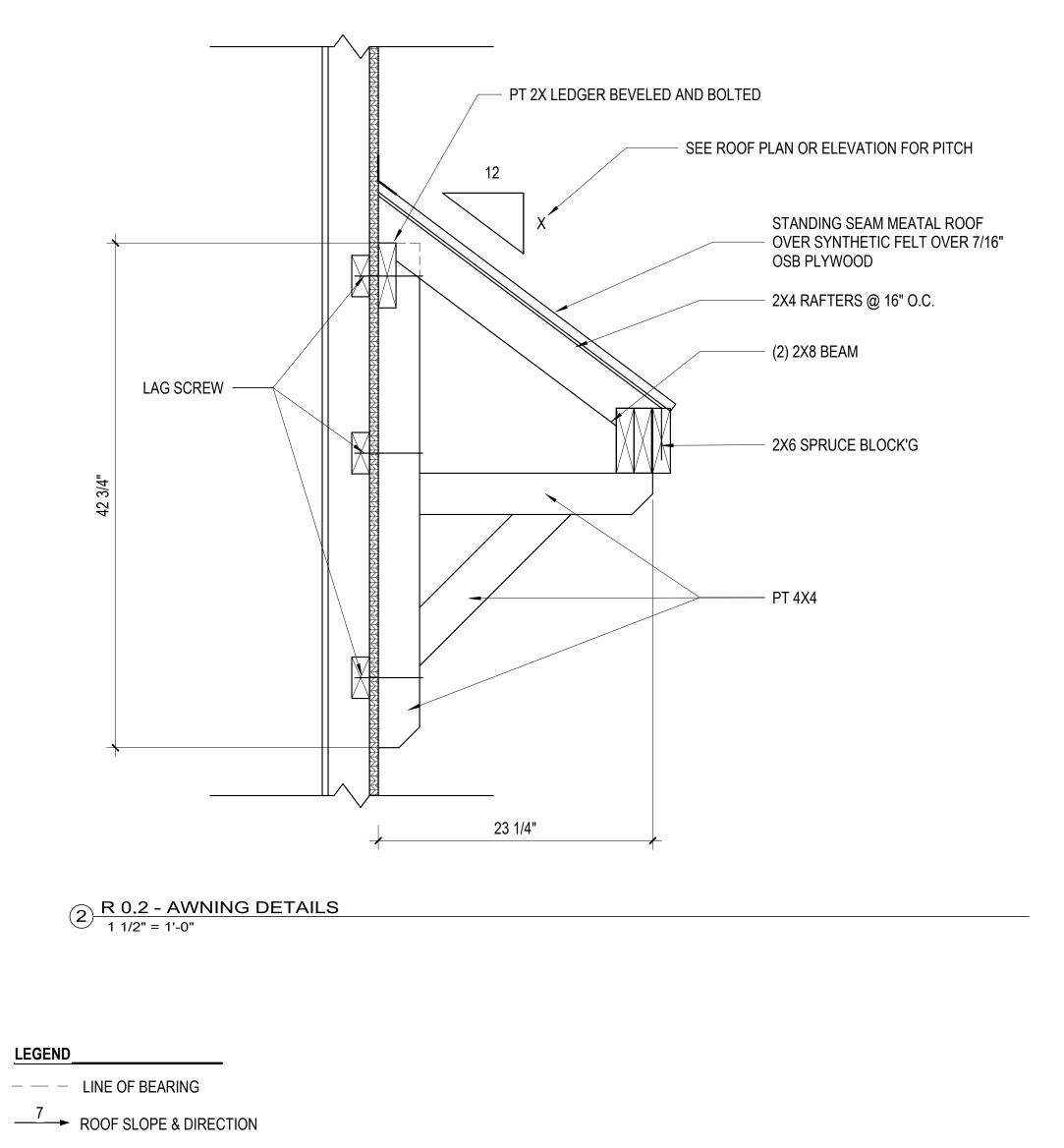




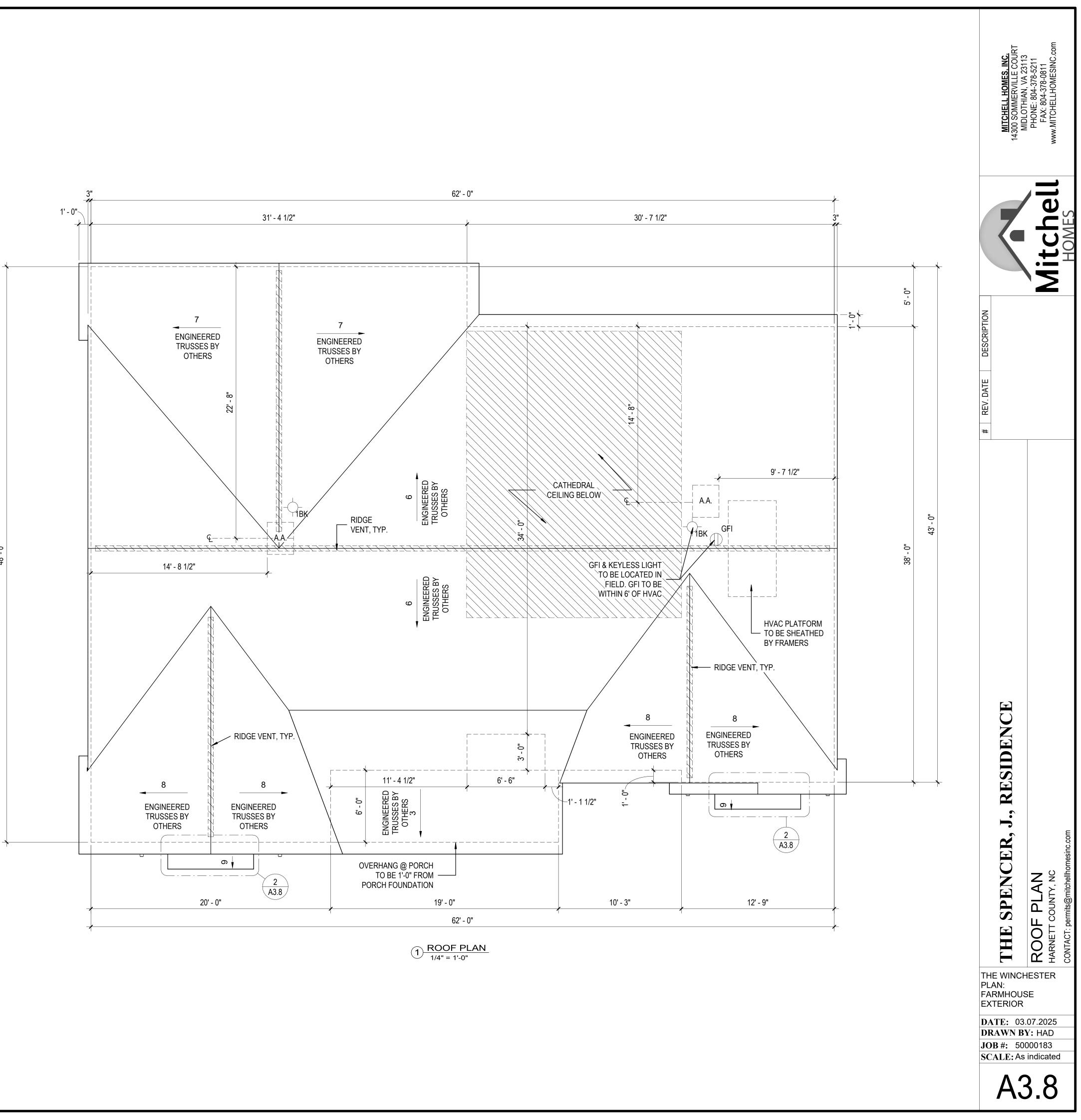
ROOF PLAN NOTES:

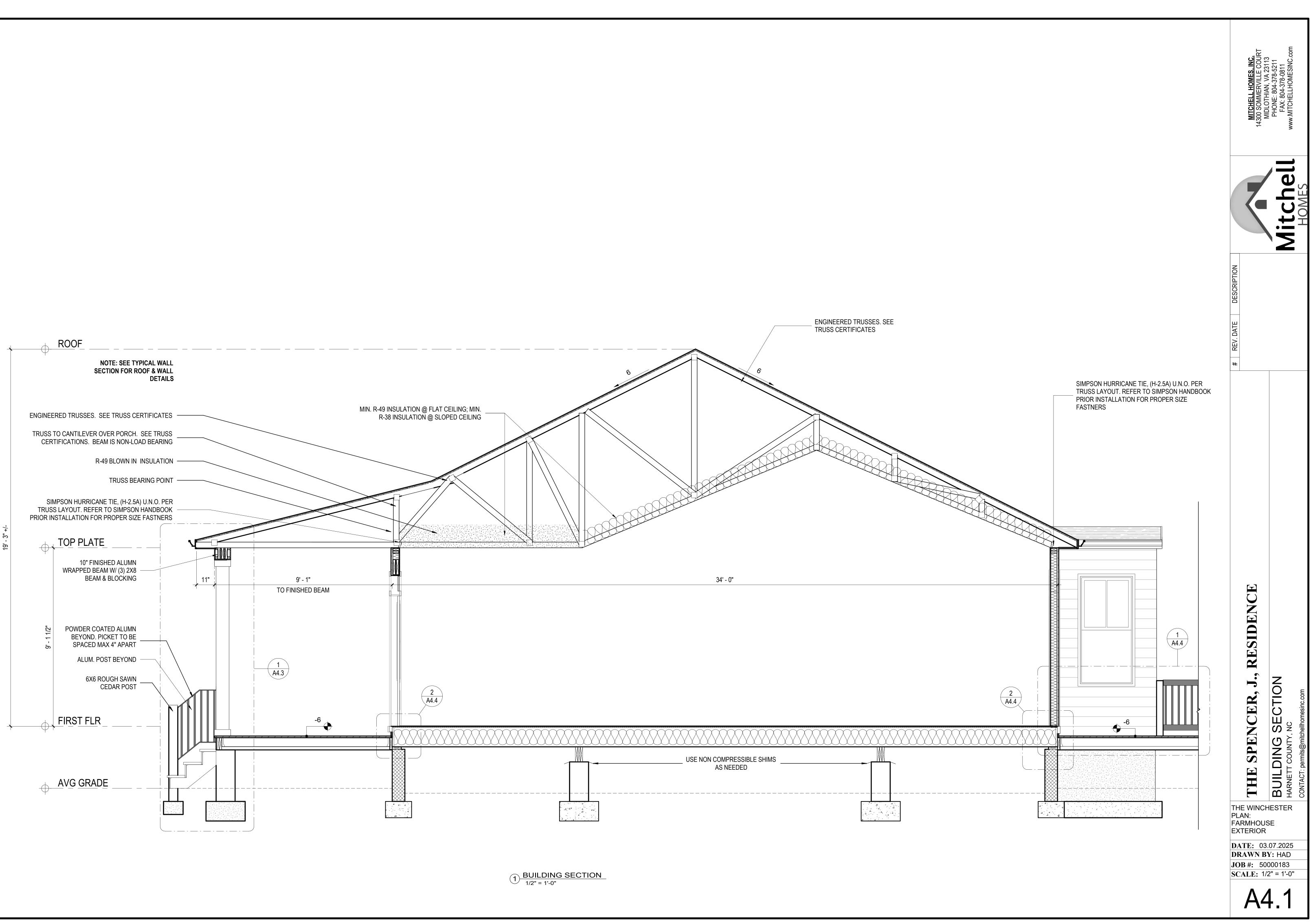
1. HVAC AIR HANDLER LOCATED IN ATTIC.

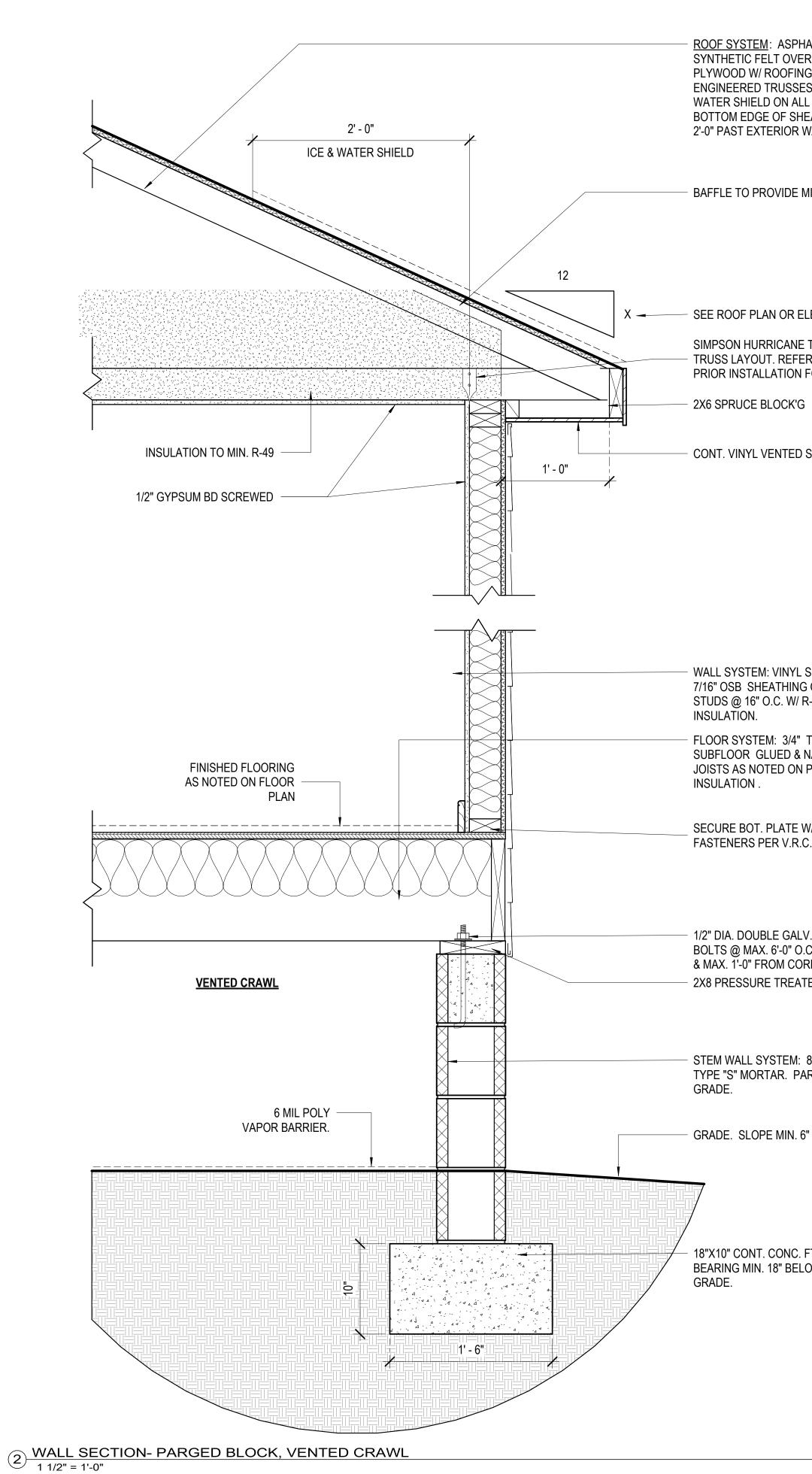
2. ROOF SLOPES LESS THAN 4/12 TO REQUIRES DOUBLE UNDERLAYMENT.



0	2'	4'	8'







ROOF SYSTEM: ASPHALT SHINGLES OVER SYNTHETIC FELT OVER 7/16" OSB PLYWOOD W/ ROOFING CLIPS OVER ENGINEERED TRUSSES. PROVIDE ICE & WATER SHIELD ON ALL RUN-OFFS FROM BOTTOM EDGE OF SHEATHING TO MIN. 2'-0" PAST EXTERIOR WALL.

BAFFLE TO PROVIDE MIN. 1" AIRSPACE

SEE ROOF PLAN OR ELEVATION FOR PITCH

SIMPSON HURRICANE TIE, (H-2.5A) U.N.O. PER TRUSS LAYOUT. REFER TO SIMPSON HANDBOOK PRIOR INSTALLATION FOR PROPER SIZE FASTNERS

CONT. VINYL VENTED SOFFIT.

WALL SYSTEM: VINYL SIDING OVER 7/16" OSB SHEATHING OVER 2x4 STUDS @ 16" O.C. W/ R-15 BATT

FLOOR SYSTEM: 3/4" T&G OSB SUBFLOOR GLUED & NAILED OVER JOISTS AS NOTED ON PLAN W/ R-19 BATT

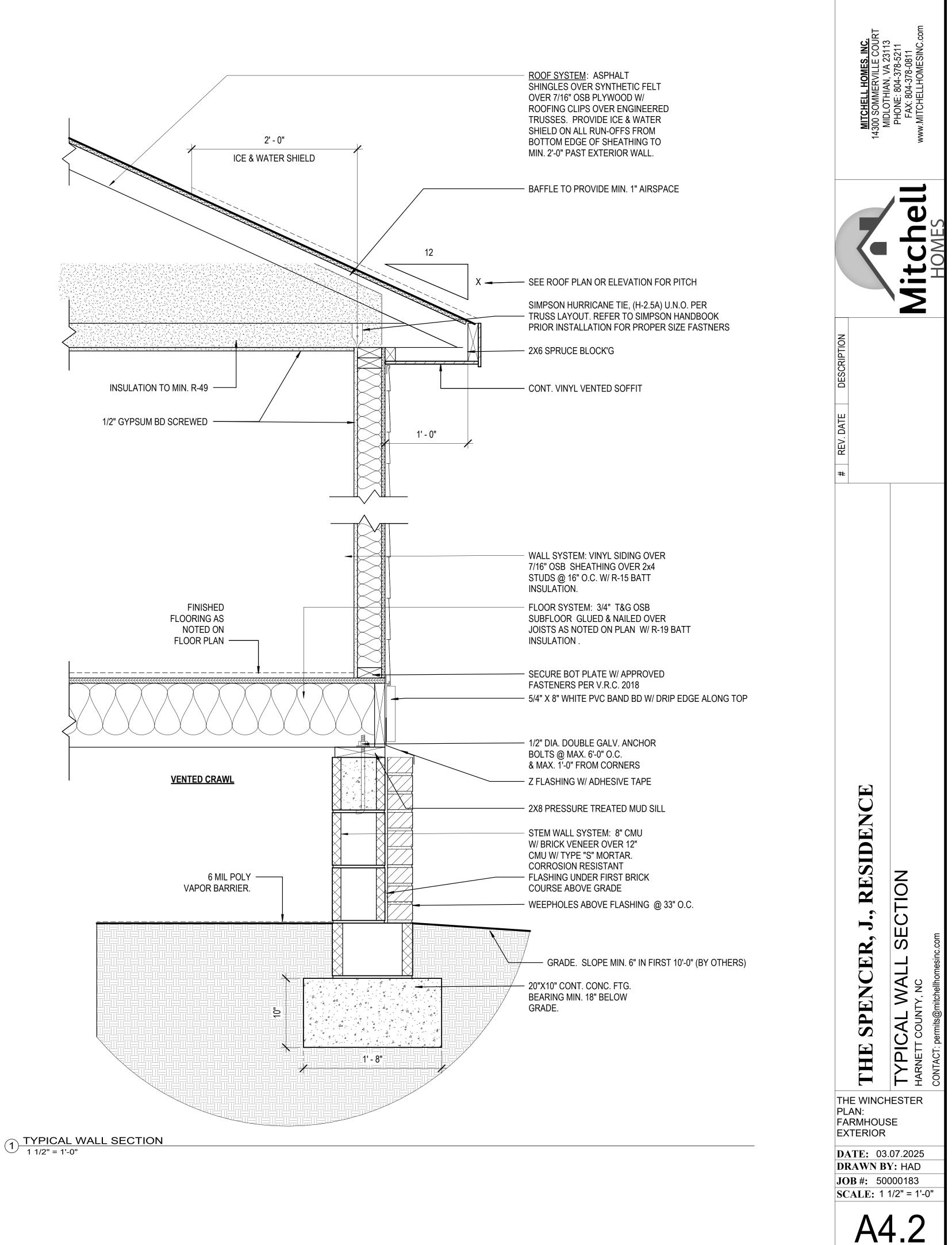
SECURE BOT. PLATE W/ APPROVED FASTENERS PER V.R.C.2018

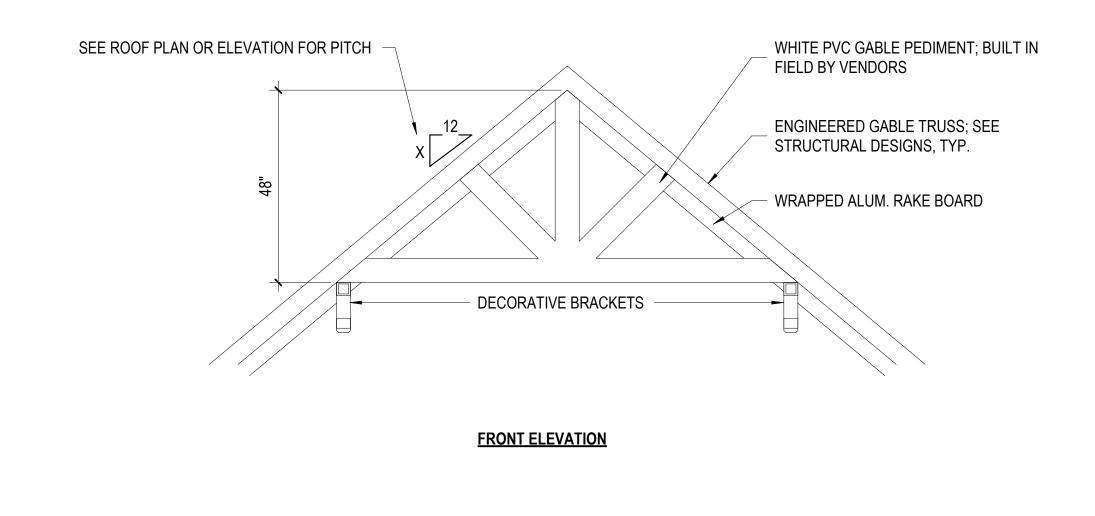
1/2" DIA. DOUBLE GALV. ANCHOR BOLTS @ MAX. 6'-0" O.C. & MAX. 1'-0" FROM CORNERS 2X8 PRESSURE TREATED MUD SILL

STEM WALL SYSTEM: 8" CMU W/ TYPE "S" MORTAR. PARGE ABOVE

GRADE. SLOPE MIN. 6" IN FIRST 10'-0" (BY OTHERS)

18"X10" CONT. CONC. FTG. BEARING MIN. 18" BELOW





(4) DECORATIVE GABLE PEDIMENT 1/2" = 1'-0"



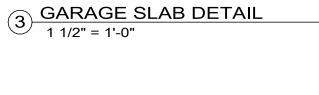


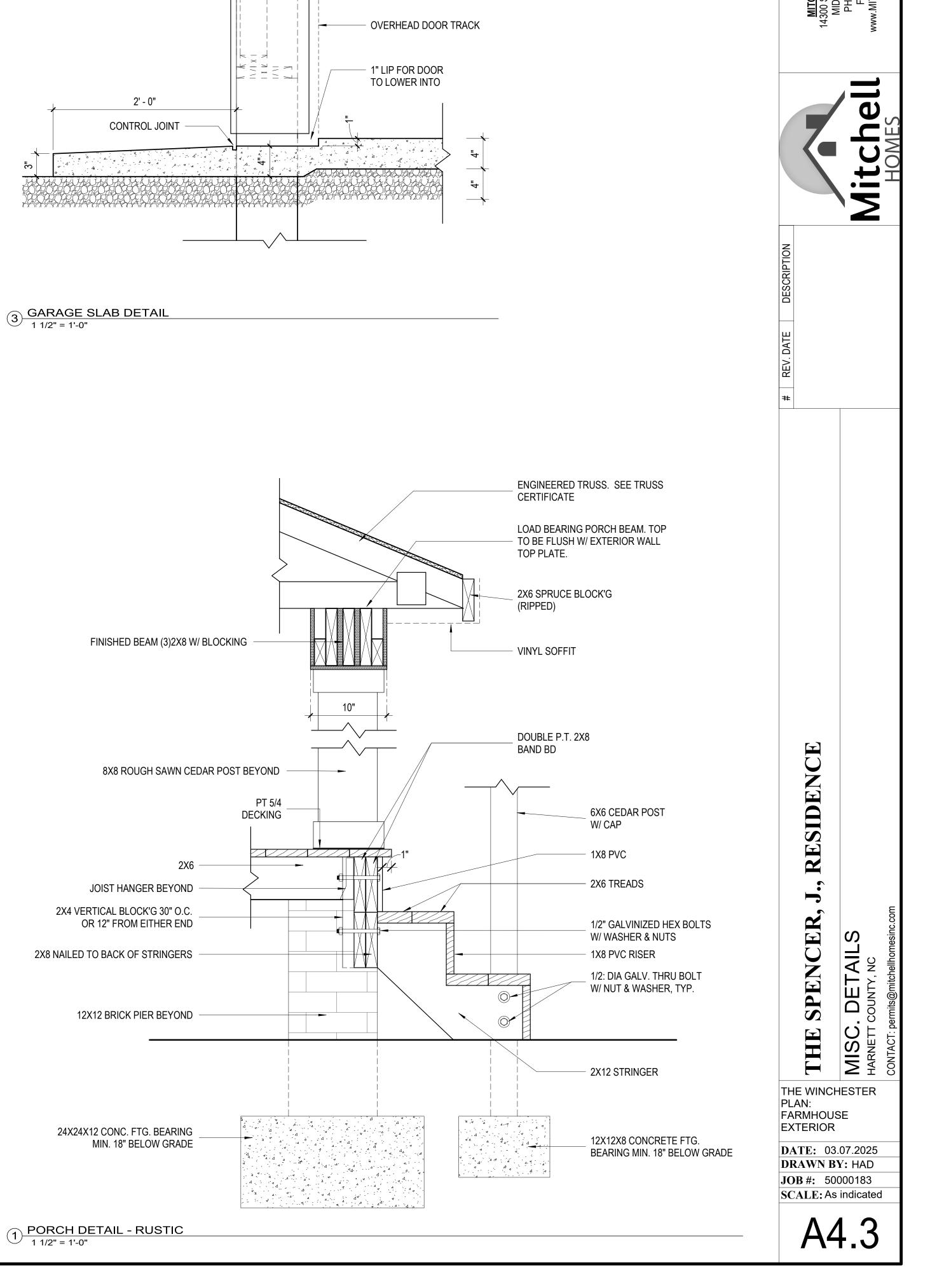


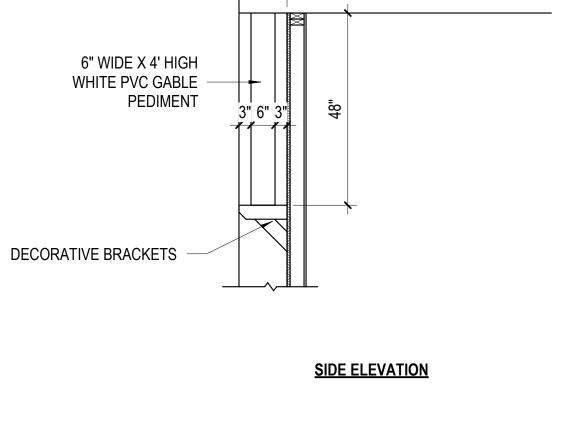




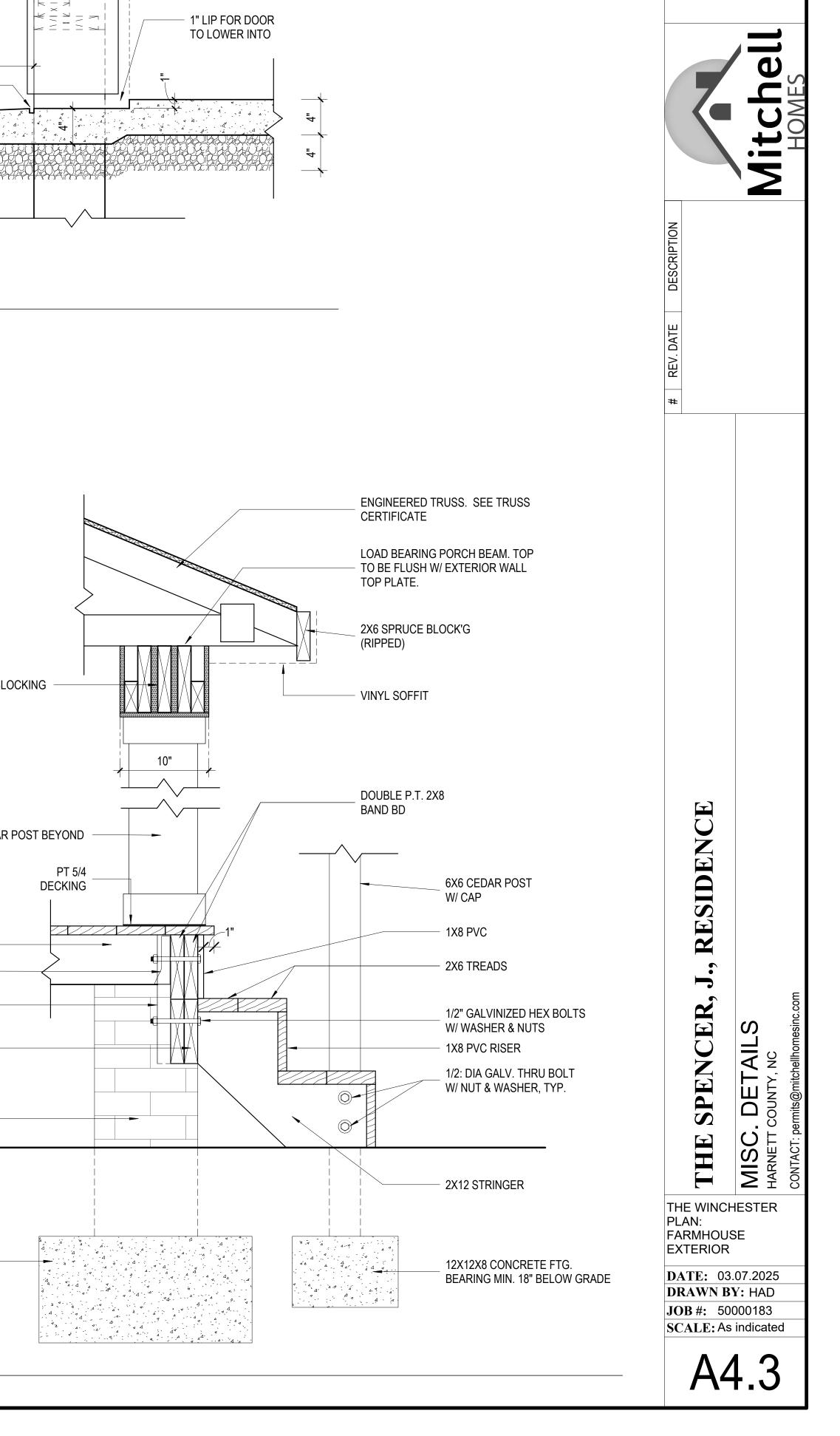


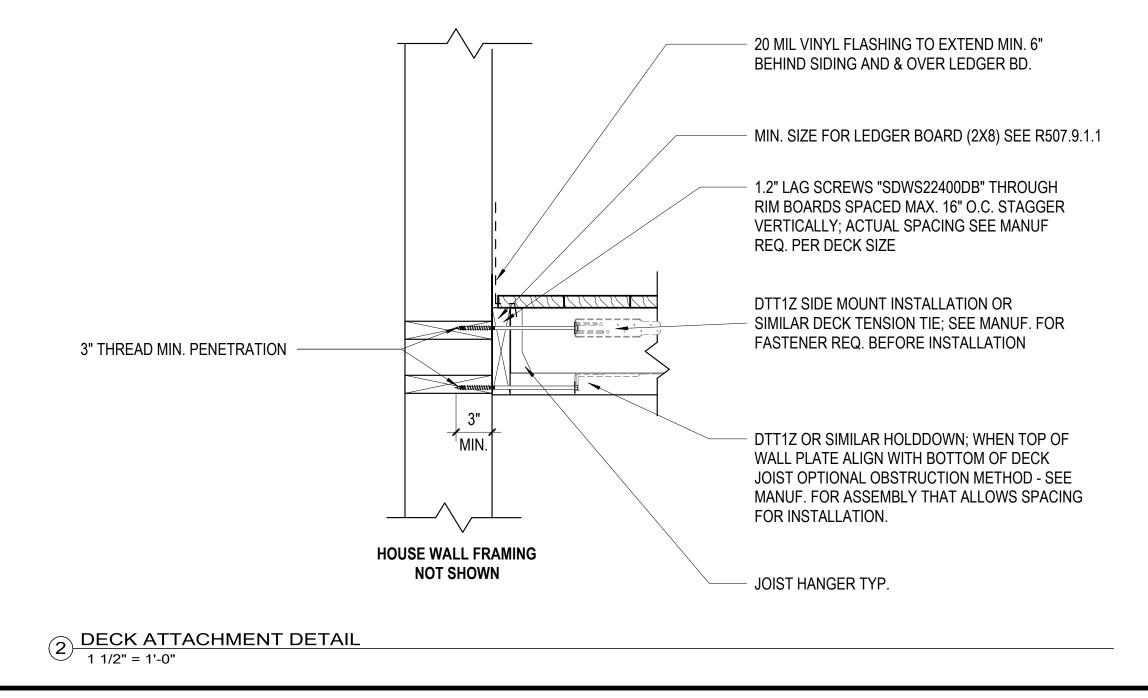


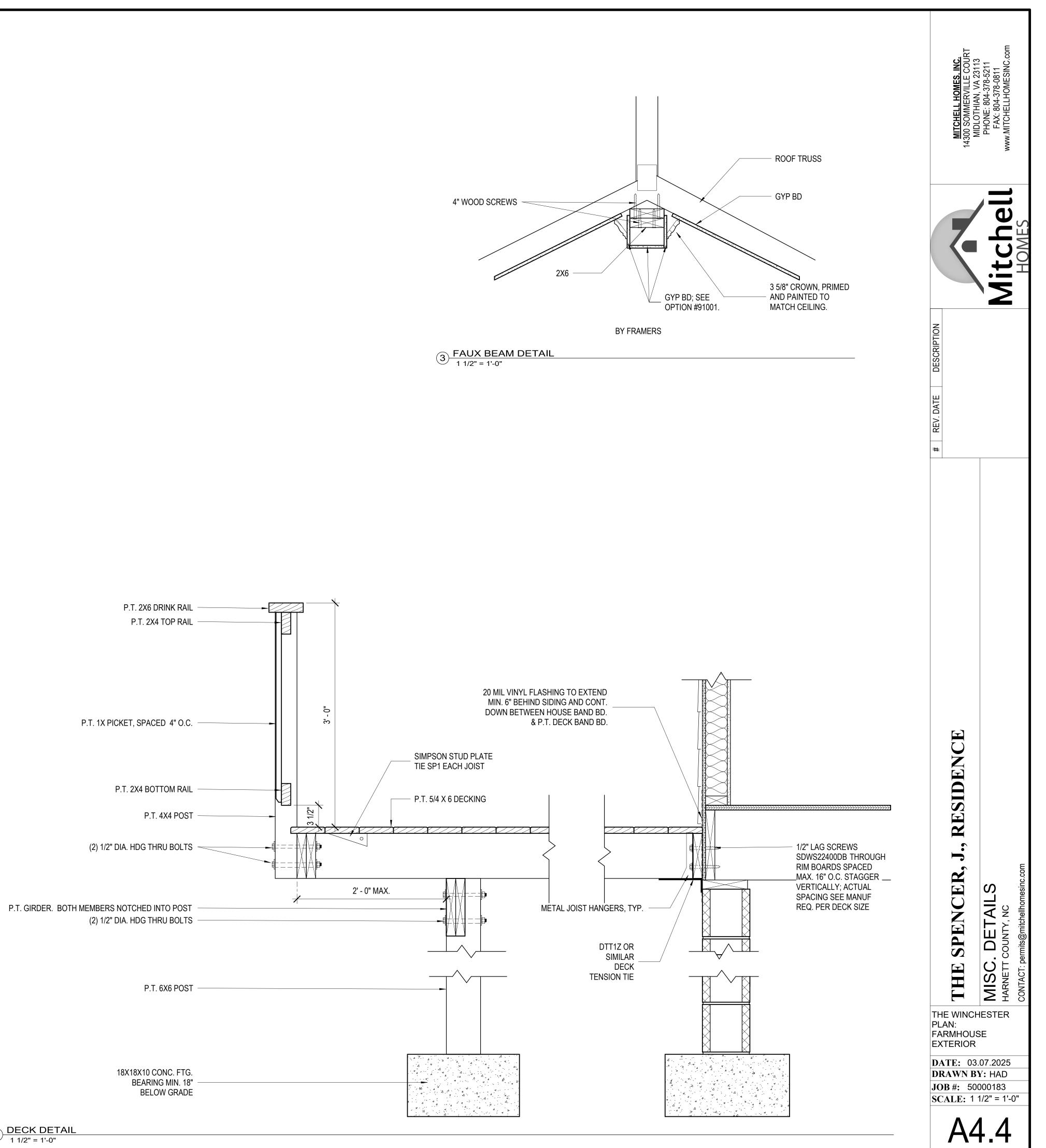




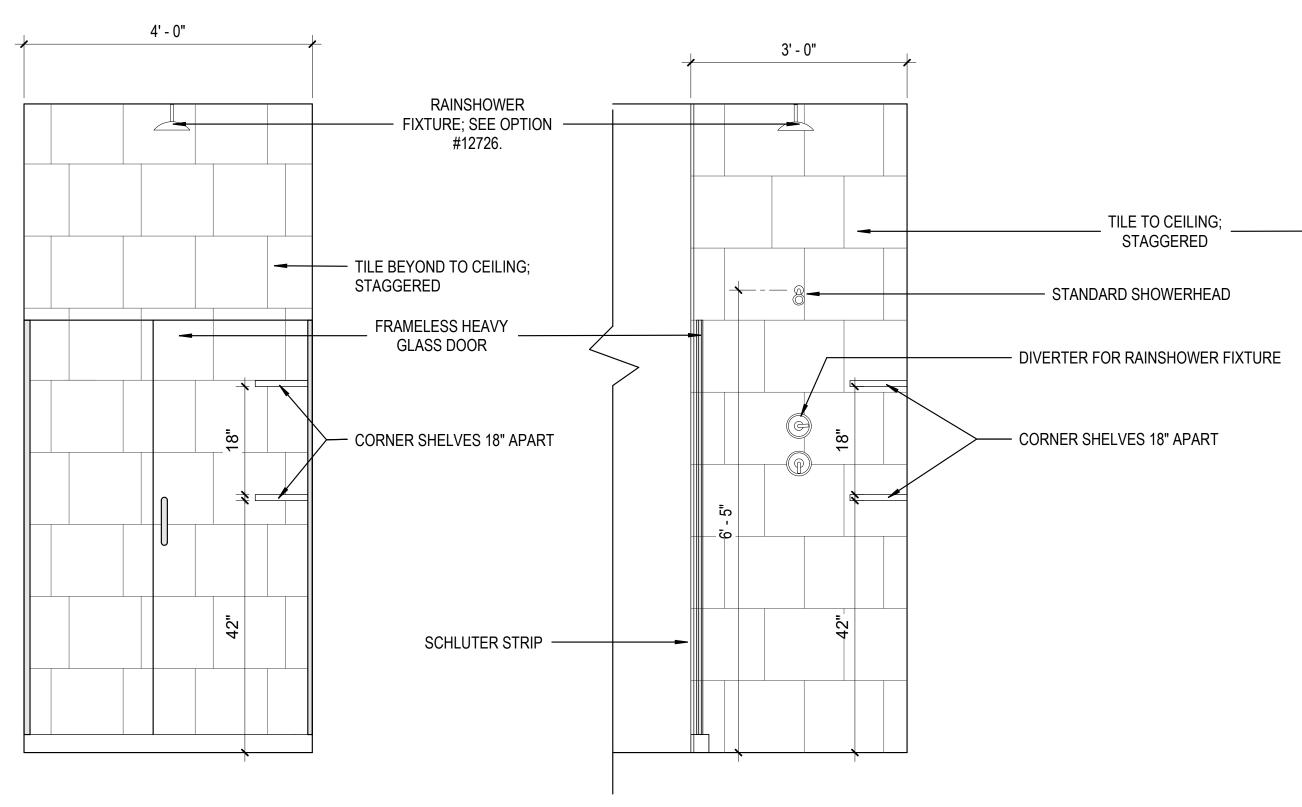
12" OVERHANG 1 1





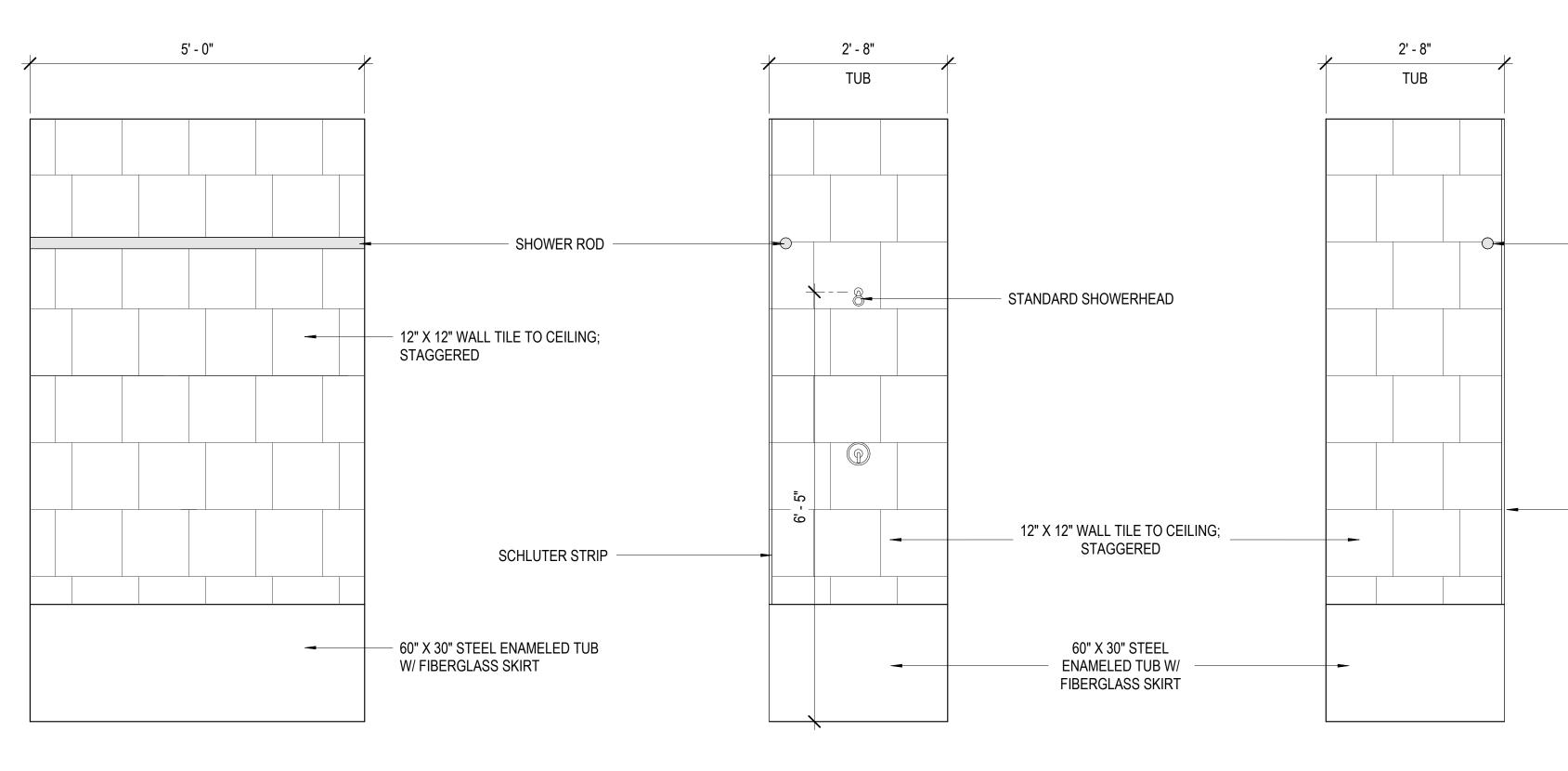


1 <u>DECK DETAIL</u> 1 1/2" = 1'-0"



FRONT ELEVATION





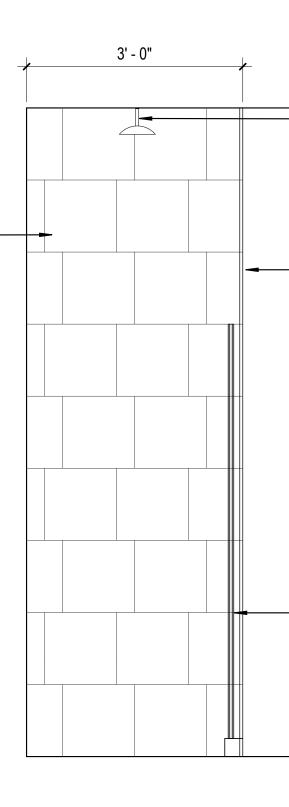
LEFT ELEVATION

FRONT ELEVATION

1 STANDARD TUB DETAIL 3/4" = 1'-0"



RIGHT ELEVATION



RIGHT ELEVATION

- SHOWER ROD

- SCHLUTER STRIP

	MITCHELL HOMES, INC. 14300 SOMMERVILLE COURT MIDLOTHIAN, VA 23113 PHONE: 804-378-5211 FAX: 804-378-0811 www.MITCHELLHOMESINC.com
RAINSHOWER FIXTURE; SEE OPTION #12726. SCHLUTER STRIP FRAMELESS HEAVY GLASS DOOR	# REV. DATE DESCRIPTION Mitchell Mitchell
IOWER ROD	BESIDENCE
CHLUTER STRIP	THE SPENCER, J., R BATH DETAIL HARNETT COUNTY, NC CONTACT: permits@mitchellhomesinc.com

WALL BRACING NOTES:

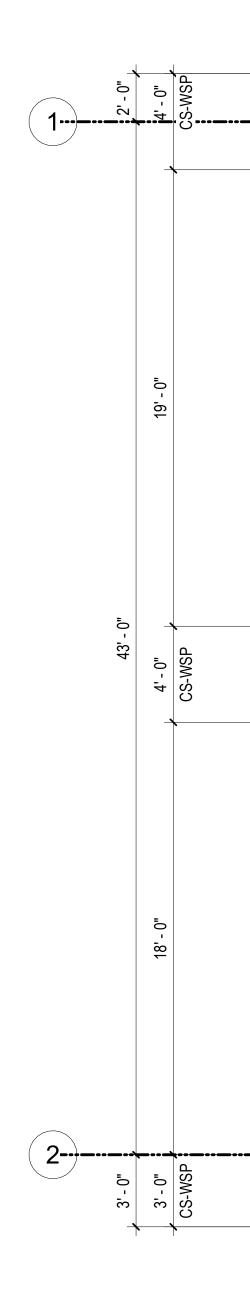
1. THIS MODEL HAS BEEN DESIGNED TO RESIST THE LATERAL FORCES AS STATED IN THE DESIGN CRITERIA ON SHEET A1.1.

2. WALL BRACING METHOD TO BE CONTINUOUS SHEATHING - WOOD STRUCTURAL PANEL (CS-WSP), U.N.O.

3. ALL PANELS TO BE 7/16" OSB SHETHING OVER 2X4 STUDS & 16" O.C. WITH DOUBLE TOP PLATE & SINGLE BOTTOM PLATE. SHEATHING TO EXTEND FROM BOTTOM EDGE OF BOTTOM PLATE TO TOP EDGE OF LOWER DOUBLE PLATE.

4. NAILING PATTERN AND FASTENERS SHALL CONFORM TO IRC 2018 CODE.

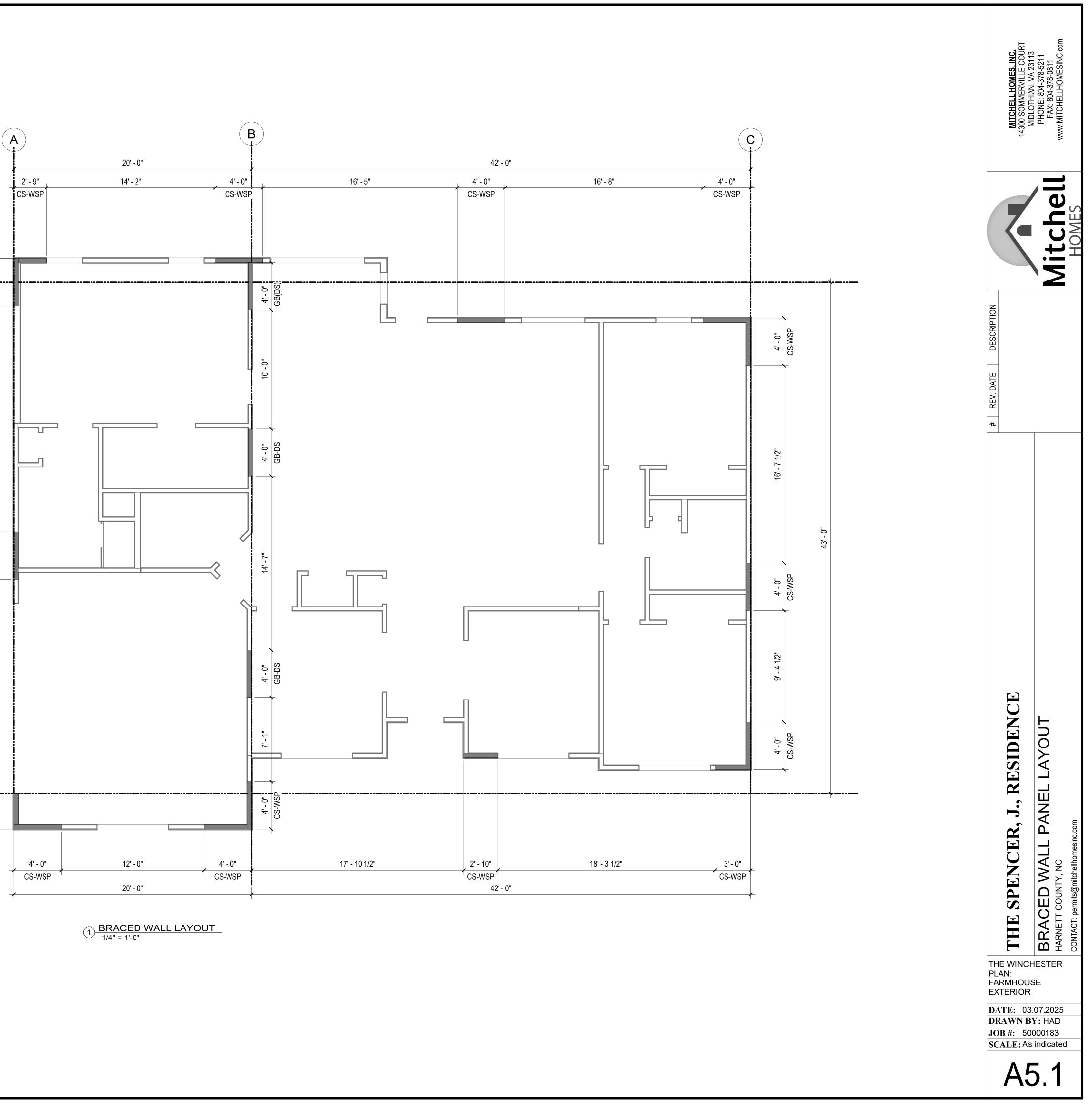
SEE ATTACHED WIND CALCULATION SHEET





BRACED WALL PANEL ----- BRACED WALL LINE

0 2' 4'

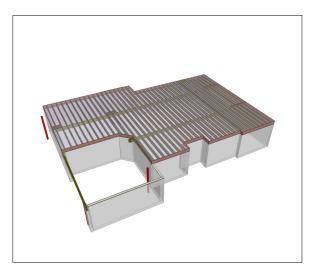




Kempsville Chesapeake Component Plant 3300 Business Center Drive Chesapeake, VA 23323

Phone #: 757-485-8590

Builder: MITCHELL HOMES Project: WINCHESTER MODEL -SPENCER



THE PLACEMENT PLAN NOTES:

1. The Placement Plan is a diagram for component installation. It is not an engineered drawing and has not been reviewed by an engineer. The Owner/Building Designer is responsible for obtaining an engineer's review if one is required by the local jurisdiction.

2. The responsibilities of the Owner, Contractor, Building Designer, Component Designer and Component Manufacturer shall be as set forth in ANSI/TPI 1. Capitalized terms shall be as defined in ANSI/TP 1 unless otherwise indicated.

3. Each Component is designed as an individual component utilizing information provided by others. The Owner/Building Designer is responsible for reviewing all Component Submittal Packages and individual Component Design Drawings for compliance with the Construction Documents and compatibility with the overall Building design.

4. Contractor will not proceed with component installation until the Owner/Building Designer has reviewed the Component Submittal Package. Questions on the suitability of any Component will be resolved by the Building Designer.

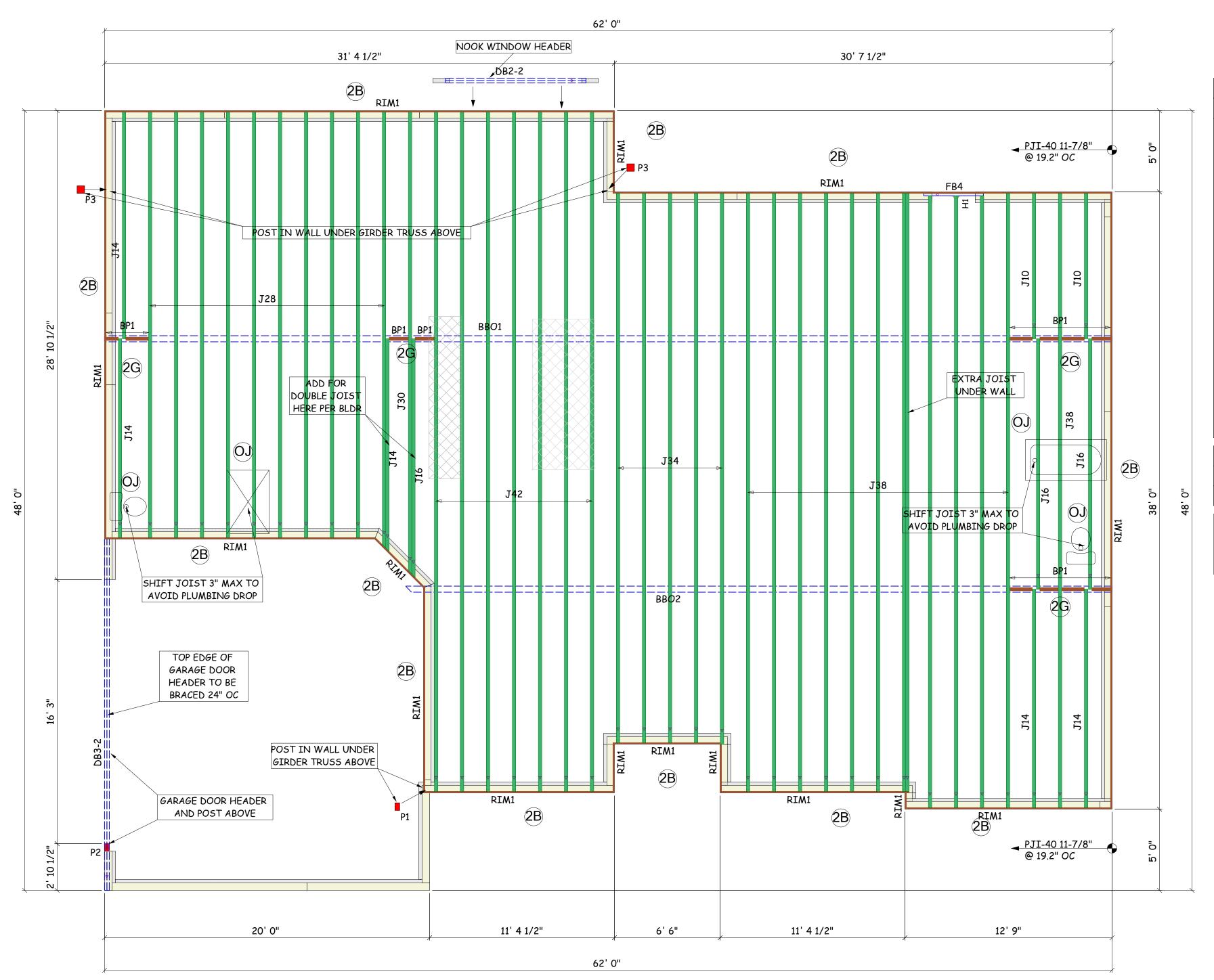
5. The Building Designer and Contractor are responsible for all temporary and permanent bracing.

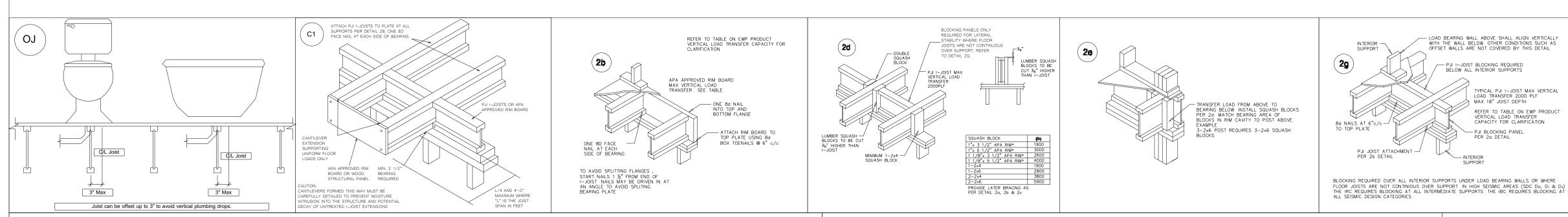
6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components, including foundations, headers, beams, walls and columns are the responsibility of the Owner, Building Designer and Contractor.

7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.

8. Components must be handled and installed following all applicable safety standards and best practices, including but not limited to BCSI, OSHA, TPI and local codes. Failure to properly handle, brace or otherwise install Component can result in serious injury or death.



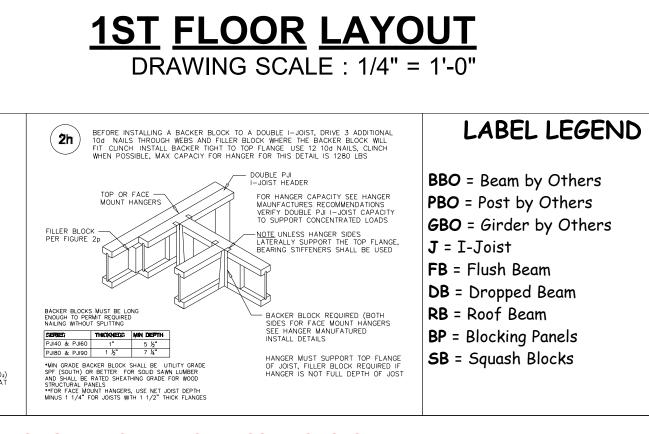




** PLUMBING DROPS NOTED ARE IN APPROXIMATE LOCATIONS PER PLAN. BUILDER MUST VERY LOCATIONS BEFORE SETTING JOISTS.

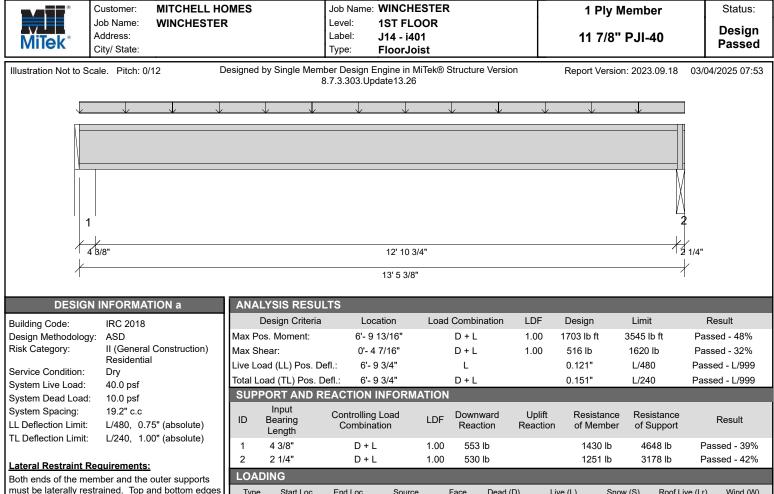


			Products			
PlotID	Length	Produc			Plies	Net Qty
J42	42' 0"	11 7/8'	' PJI-40		1	7
J38	38' 0"	11 7/8'	' PJI-40		1	13
J34	34' 0"	11 7/8'	' PJI-40		1	5
J30	30' 0"	11 7/8'	' PJI-40		1	1
J28	28' 0"	11 7/8'	' PJI-40		1	10
J16	16' 0"	11 7/8'	' PJI-40		1	3
J14	14' 0"	11 7/8'	' PJI-40		1	5
J10	10' 0"	11 7/8'	' PJI-40		1	2
DB2-2	10' 0"	2.1 Rig	idLam SP LVL 1-3/4	4 × 9-1/4	2	2
FB4	4' 0"	2.1 Rig	idLam SP LVL 1-3/4	4 x 11-7/8	1	1
DB3-2	22' 0"	2.1 Rig	idLam SP LVL 1-3/4	4 × 14	2	2
RIM1	12' 0"	1 1/8"	x 11 7/8" APA Rim	Board	1	18
BP1	2' 0"	11 7/8'	' PJI-40		1	8
P1	10' 0"	3.5x5.	5 AFP Combination	50 Power Col.	1	1
P2	10' 0"	3.5x5.	5 AFP Combination	50 Power Col.	1	1
Р3	10' 0"	5.5×5.	5 AFP Combination	50 Power Col.	1	2
			Connector Summa	ry		
PlotID	Qty A	Nanuf	Product	Backer Blocks	Web	Stiff
H1	1 5	Simpson	ITS2.56/11.88	No	No	
BL	OCK SO		IDER ALL			
			ROM ABOVE -			
			OCATIONS			



LLATION	GUIDE FOR	. PLY TO PLY	CONNECTIONS.

1			
		Revisio	ons
	5/6/2		CDH
	00/00/		Name
	00/00/		Name
ITS.	00/00/		Name
ONEN	00/00/	00	Name
** FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS.	This is an I-Joist Placement Plan Only. All designs of I-Joist follow the IBC/IRC Code Requirements along with Manufacturer's guidelines. This is NOT an engineered placement plan. This placement plan is created from plans	provided by the customer using Manufactures guidelines. It is the responsibility of the EOR, or builder to review and approve all bearing conditions, connections, spans, loading, product	tradet, and quantures. Do not noted of duit notes in beams of flanges on joists without prior approval from the manufacturing Representative unless following hole guidlines in the installation guide of product. Builder takes full responsibility for doing so and NO Back charge will be accepted.
** DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.			A Division of the Certer Lumber Company
DAMAGED FLOOR JOISTS SHOULD NOT BE INSTALLED UNLESS APPROVED BY COMPONENT PLANT.	MITCHELL HOMES	WINCHESTER MODEL	SPENCER
STALLEC			
OOR JOISTS SHOULD NOT BE INSTALLEE	Date: Desigr Projec	3/4/2 ner: C	CDH 25020278



Both ends of the member and the outer supports
must be laterally restrained. Top and bottom edges
of the member must be fully restrained or have the
following maximum unbraced length:
Top: 0' Bottom: 12'- 10 3/4"

Bearing Stress of Support Material:

• 425 psi Wall @ 0'- 3 3/8"

• 565 psi Beam @ 13'- 4 1/8"

	2 1/4	D + L	. 1.00	53	ai u	12:	51 ID 31	78 ID Pas	sed - 42%
LOADI	NG								
Туре	Start Loc	End Loc	Source	Face	Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
Uniform	0'	13'- 5 3/8"	FC1 Floor Decking (Plan View Fill)	Тор	16 lb/ft	64 lb/ft	-	-	-
UNFAC	CTORED RI	EACTIONS							
ID	Start Loc	End Loc	Source		Dead (D)	Live (L)	Snow (S)	Roof Live (Lr)	Wind (W)
1	0'	0'- 4 3/8"	W14(i14)		111 lb	442 lb	-	-	-
2	13'- 3 1/8"	13'- 5 3/8"	BBO2(i18)	106 lb	424 lb	-	-	-
DESIG	N NOTES								

DESIGN NOTE

• The dead loads used in the design of this member were applied to the structure as projected dead loads.

Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.

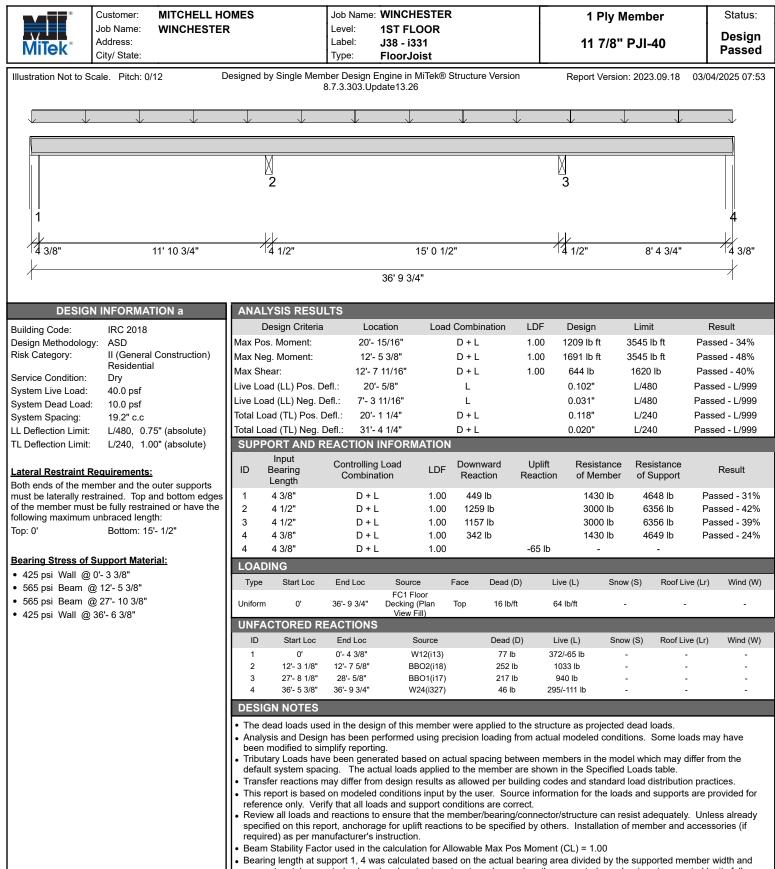
• Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.

Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for

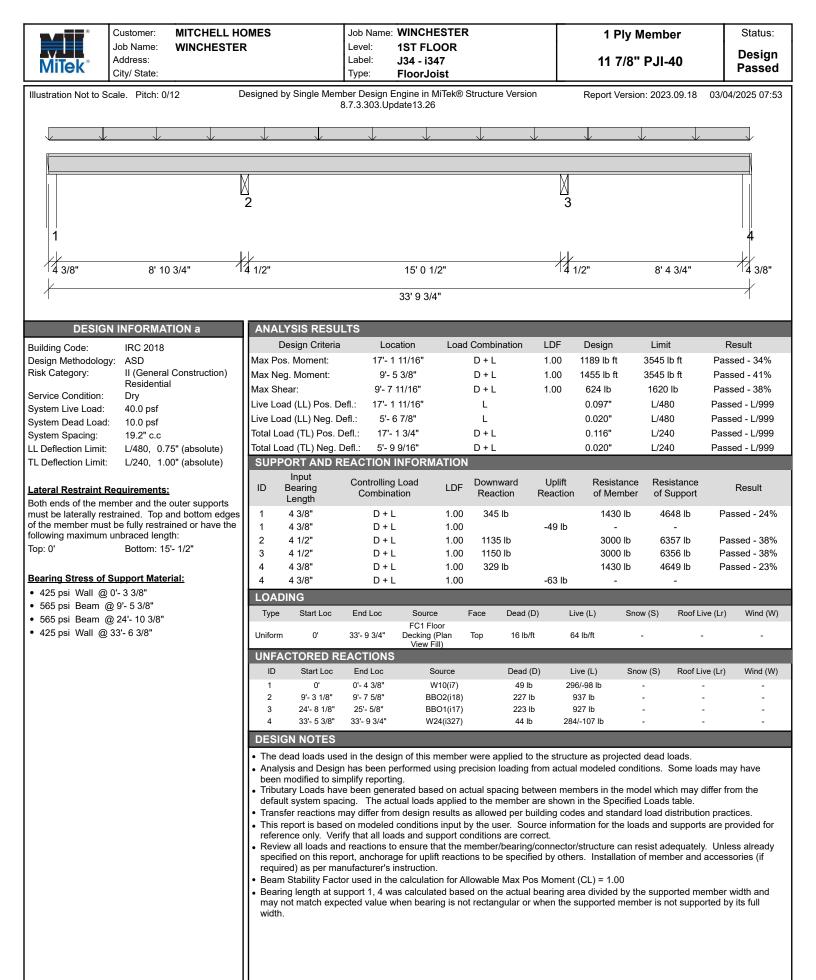
reference only. Verify that all loads and support conditions are correct.
Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already

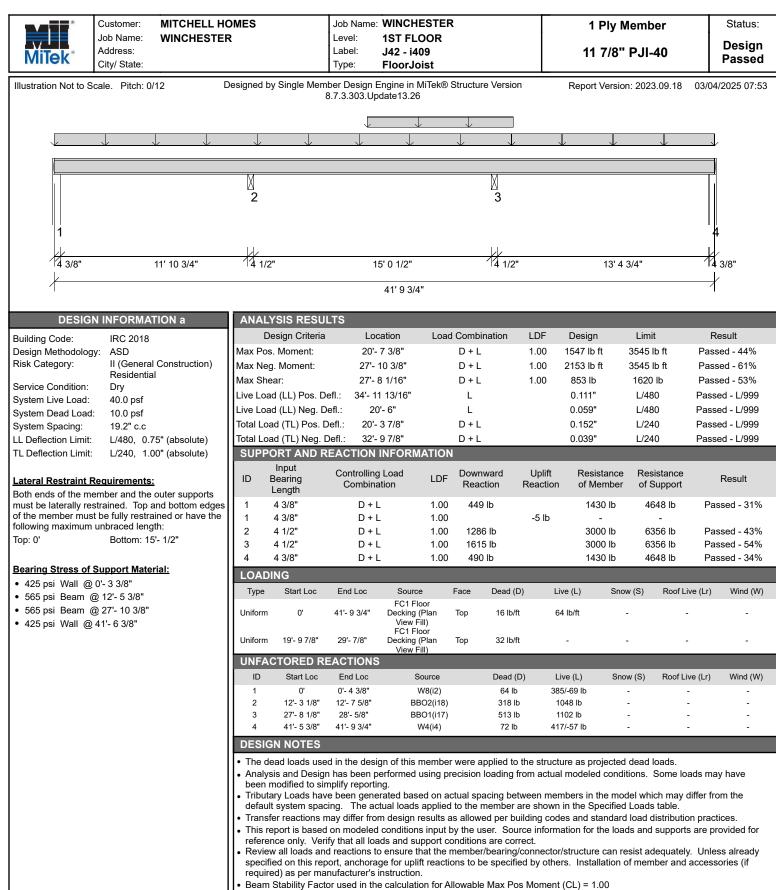
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already
 specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if
 required) as per manufacturer's instruction.
- Beam Stability Factor used in the calculation for Allowable Max Pos Moment (CL) = 1.00

• Bearing length at support 1 was calculated based on the actual bearing area divided by the supported member width and may not match expected value when bearing is not rectangular or when the supported member is not supported by its full width.



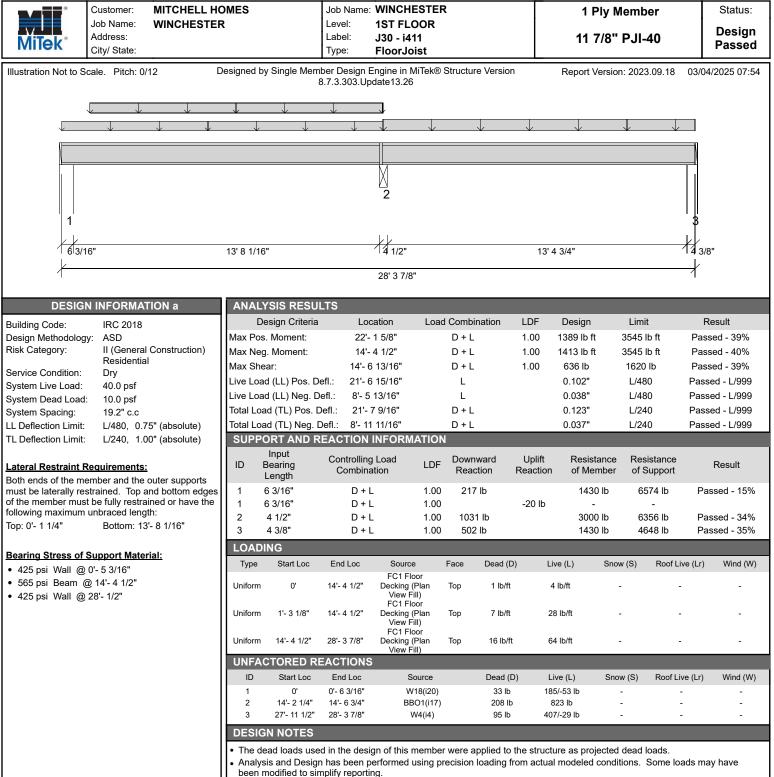
• Bearing length at support 1, 4 was calculated based on the actual bearing area divided by the supported member width and may not match expected value when bearing is not rectangular or when the supported member is not supported by its full width.





• Beam Stability Factor used in the calculation for Allowable Max Neg Moment (CL) = 1.00

• Bearing length at support 1, 4 was calculated based on the actual bearing area divided by the supported member width and may not match expected value when bearing is not rectangular or when the supported member is not supported by its full width.



Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.

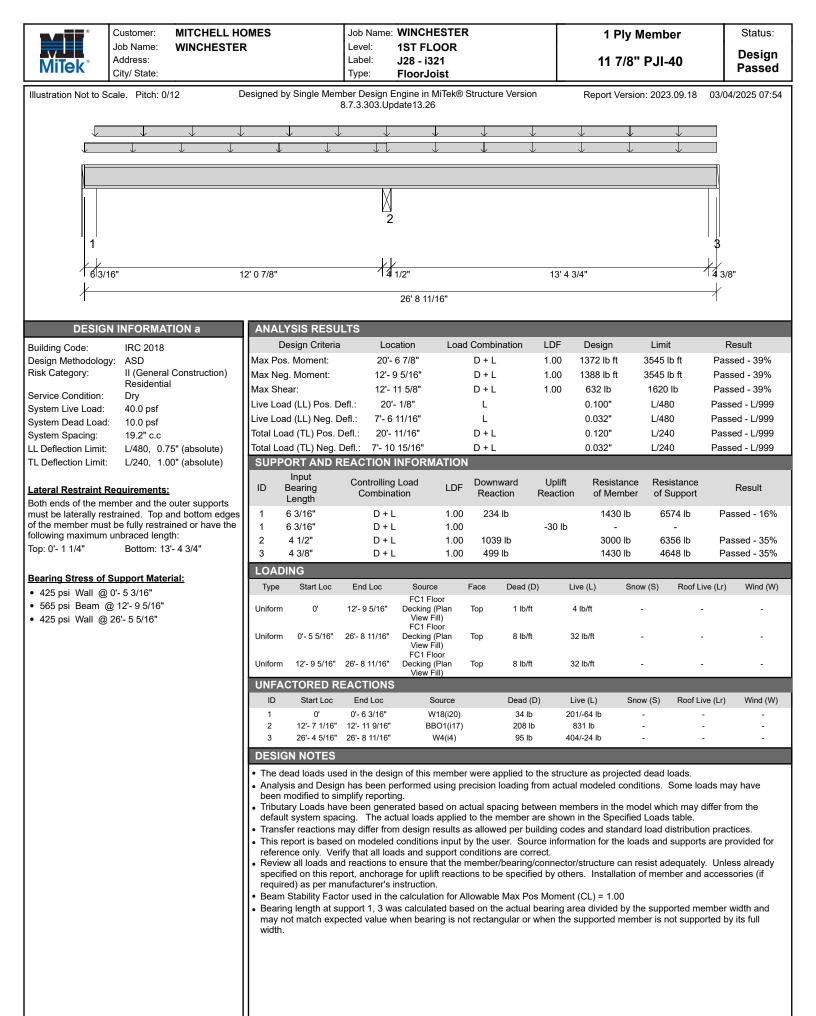
Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.

 This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.

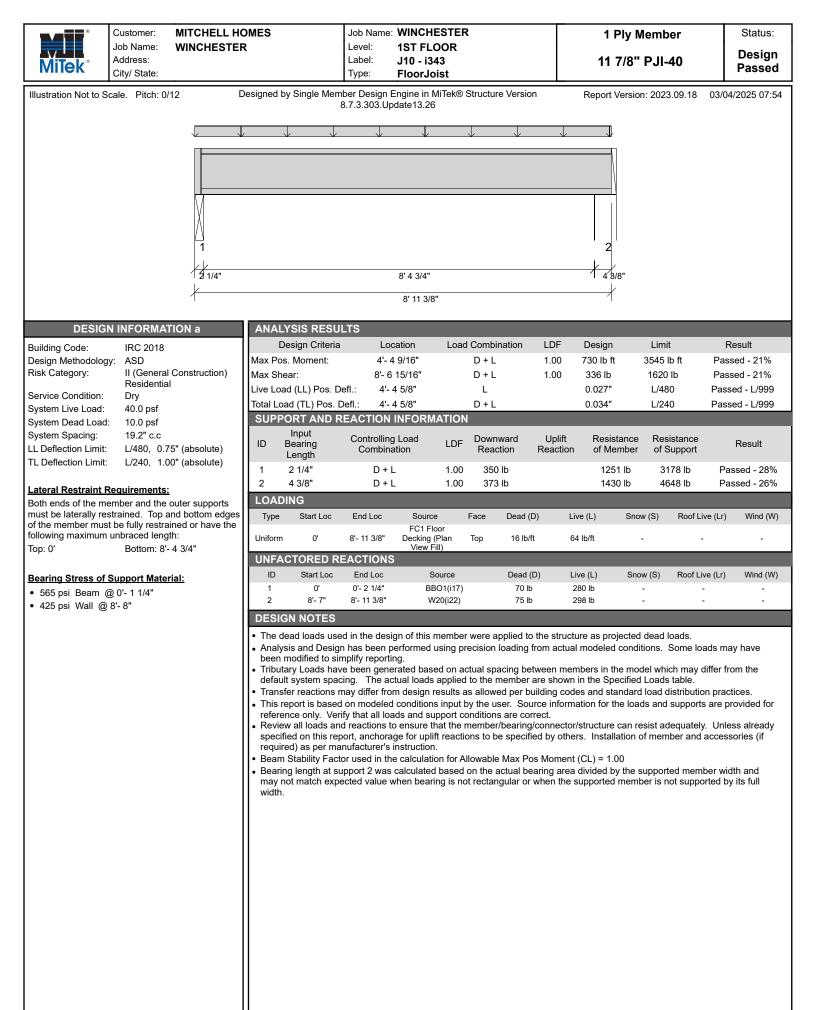
• Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if required) as per manufacturer's instruction.

• Beam Stability Factor used in the calculation for Allowable Max Pos Moment (CL) = 1.00

Bearing length at support 1, 3 was calculated based on the actual bearing area divided by the supported member width and
may not match expected value when bearing is not rectangular or when the supported member is not supported by its full
width.



	Customer: MITCHELL H		Job Name: WINCI	HESTER		1 Ply M	lember	Status:
	Job Name: WINCHESTEI	R	Level: 1ST F					Design
	Address:		Label: J28 - i			11 7/8"	PJI-40	Passed
	City/ State:		Type: Floor	loist				
Illustration Not to Sca	ale. Pitch: 0/12	Designed by Single Memb			on	Report Version	า: 2023.09.18	03/04/2025 07:54
		8	3.7.3.303.Update13.2	26				
					\checkmark	$\downarrow \qquad \downarrow$	· \/	
			X					
			2					
								۲
			4 1/2"					
4 3/8"	11' 8	1/4"	4 1/2"		13' 4	3/4"		14 3/8"
			26' 2 1	///"				
			20 2 1	17				
DESIGN	INFORMATION a	ANALYSIS RESUL	TS					
		Design Criteria	Location	Load Combination	LDF	Design	Limit	Result
Building Code:	IRC 2018	Max Pos. Moment:	20'- 1 3/16"	D + L		1343 lb ft	3545 lb ft	Passed - 38%
Design Methodology: Risk Category:	ASD II (General Construction)	Max Neg. Moment:	20-13/16 12'-27/8"	D + L D + L		1343 ID π 1661 Ib ft	3545 lb ft	Passed - 38% Passed - 47%
	Residential	Max Neg. Moment. Max Shear:	12-27/8 12'-53/16"	D + L D + L	1.00	652 lb	1620 lb	Passed - 47% Passed - 40%
Service Condition:	Dry	Live Load (LL) Pos. De		L	1.00	0.099"	L/480	Passed - L/999
System Live Load:	40.0 psf	Live Load (LL) Neg. De		L		0.030"	L/480	Passed - L/999
System Dead Load: System Spacing:	10.0 psf 19.2" c.c	Total Load (TL) Pos. D		_ D+L		0.117"	L/240	Passed - L/999
LL Deflection Limit:	L/480, 0.75" (absolute)	Total Load (TL) Neg. D		D + L		0.026"	L/240	Passed - L/999
TL Deflection Limit:	L/240, 1.00" (absolute)	SUPPORT AND R	EACTION INFOR	MATION				
		Input	Controlling Load	Downward	Uplift	Resistance	Resistance	
Lateral Restraint Re	equirements:	ID Bearing	Combination	LDF Reaction	Reaction	of Member	of Support	Result
	nber and the outer supports rained. Top and bottom edges	Length 1 4 3/8"	D + L	1.00 436 lb		1430 lb	4648 lb	Passed - 31%
	be fully restrained or have the	2 4 1/2"	D + L	1.00 430 lb		3000 lb	6356 lb	Passed - 31% Passed - 43%
following maximum u	-	3 4 3/8"	D + L	1.00 495 lb		1430 lb	4648 lb	Passed - 35%
Тор: 0'	Bottom: 13'- 4 3/4"	LOADING						
		Type Start Loc	End Loc Sou	rce Face Dead	(D) Live	e (L) Snov	w (S) Roof Live	e (Lr) Wind (W)
Bearing Stress of S 425 psi Wall @ 0				Floor	. ,		. ,	., .,
 425 psi vvali @ 0 565 psi Beam @ 		Uniform 0'	26'- 2 1/4" Decking View	g (Plan Top 16 lb. [,] Fill)	/ft 64	lb/ft -		-
 425 psi Wall @ 2 		UNFACTORED RE		,				
		ID Start Loc	End Loc	Source Dead	(D) Liv	e (L) Snov	w (S) Roof Live	e (Lr) Wind (W)
		1 0'		W17(i21) 74 I		-67 lb		-
		2 12'- 5/8" 3 25'- 9 7/8"		3BO1(i17) 257		28 lb		-
			26'- 2 1/4"	W4(i4) 91 I	D 403/	-39 lb		-
		DESIGN NOTES						
			•	s member were applied t				
		Analysis and Design been modified to sim		d using precision loading	from actual i	modeled condit	lions. Some load	ds may have
		Tributary Loads have	e been generated ba	sed on actual spacing be				ffer from the
		11 1	•	Is applied to the member		•		nraationa
				n results as allowed per b ons input by the user. So	•			
		reference only. Verif	fy that all loads and s	support conditions are co	orrect.			
				that the member/bearing blift reactions to be speci				,
		required) as per mar			ned by others	5. Installation c		0003301103 (11
		11 '		tion for Allowable Max P	•	,		
				lated based on the actua aring is not rectangular o				
		width.						



	Customer: MITCHELL H		Job Name: WIN	CHESTER		1 Ply N	/lember	Status:
MiTek [®]	Job Name: WINCHESTE Address: City/ State:	R	Label: J16 ·	FLOOR i396 rJoist		11 7/8"	PJI-40	Design Passed
Illustration Not to S	cale. Pitch: 0/12	Designed by Single Memb 8	per Design Engine .7.3.303.Update13		ure Version	Report Versio	n: 2023.09.18 03/	04/2025 07:54
		\downarrow \downarrow				\checkmark \checkmark		
			15' 0 15' 5	•			2 +2 +2 +	/4"
DESIG	N INFORMATION a	ANALYSIS RESUL		_	_	_	_	_
Building Code:	IRC 2018	Design Criteria	Location	Load Com		5	Limit	Result
Design Methodolog		Max Pos. Moment:	7'- 8 1/2"	D +				assed - 65%
Risk Category:	II (General Construction) Residential	Max Shear:	0'- 2 5/16"	D +	L 1.00			assed - 37%
Service Condition:	Dry	Live Load (LL) Pos. De	efl.: 7'- 8 1/2"	L		0.213"	L/480 Pa	ssed - L/849
System Live Load:	40.0 psf	Total Load (TL) Pos. D	efl.: 7'- 8 1/2"	D +	L	0.266"	L/240 Pa	ssed - L/679
System Dead Load		SUPPORT AND R	EACTION INFO	RMATION				
System Spacing: LL Deflection Limit: TL Deflection Limit:	19.2" c.c L/480, 0.75" (absolute) L/240, 1.00" (absolute)	Input ID Bearing Length	Controlling Load Combination		nward Up action Read		Resistance of Support	Result
TE Dellection Limit:	L/240, 1.00 (absolute)	1 2 1/4"	D + L	1.00 6'	17 lb	1251 lb	3178 lb	Passed - 49%
Lateral Restraint F	Poquiromonte:	2 2 1/4"	D + L	1.00 6'	17 lb	1251 lb	3178 lb	Passed - 49%
	ember and the outer supports	LOADING						
	strained. Top and bottom edges		End Loc So	ource Face	Dead (D)	Live (L) Sno	w (S) Roof Live (L	r) Wind (W)
of the member mus	t be fully restrained or have the			1 Floor	Doud (D)	2.70 (2) 010		, ••••••••••••••••••••••••••••••••••••
following maximum	unbraced length: Bottom: 15'- 1/2"	Uniform 0'	15'- 5" Deck	ing (Plan Top w Fill)	16 lb/ft	64 lb/ft		-

UNFACTORED REACTIONS Start Loc

0'

15'- 2 3/4"

DESIGN NOTES

End Loc

0'- 2 1/4"

15'- 5"

ID

1

2

10p. 0	Dottom.	10-	1/2

Bearing Stress of Support Material:

• 565 psi Beam @ 0'- 1 1/4"

• 565 psi Beam @ 15'- 3 3/4"

The dead loads used in the design of this member were applied to the structure as projected dead loads.

Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.

Dead (D)

123 lb

123 lb

Live (L)

493 lb

493 lb

Roof Live (Lr)

Wind (W)

Snow (S)

Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.

Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.

This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.

Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if required) as per manufacturer's instruction.

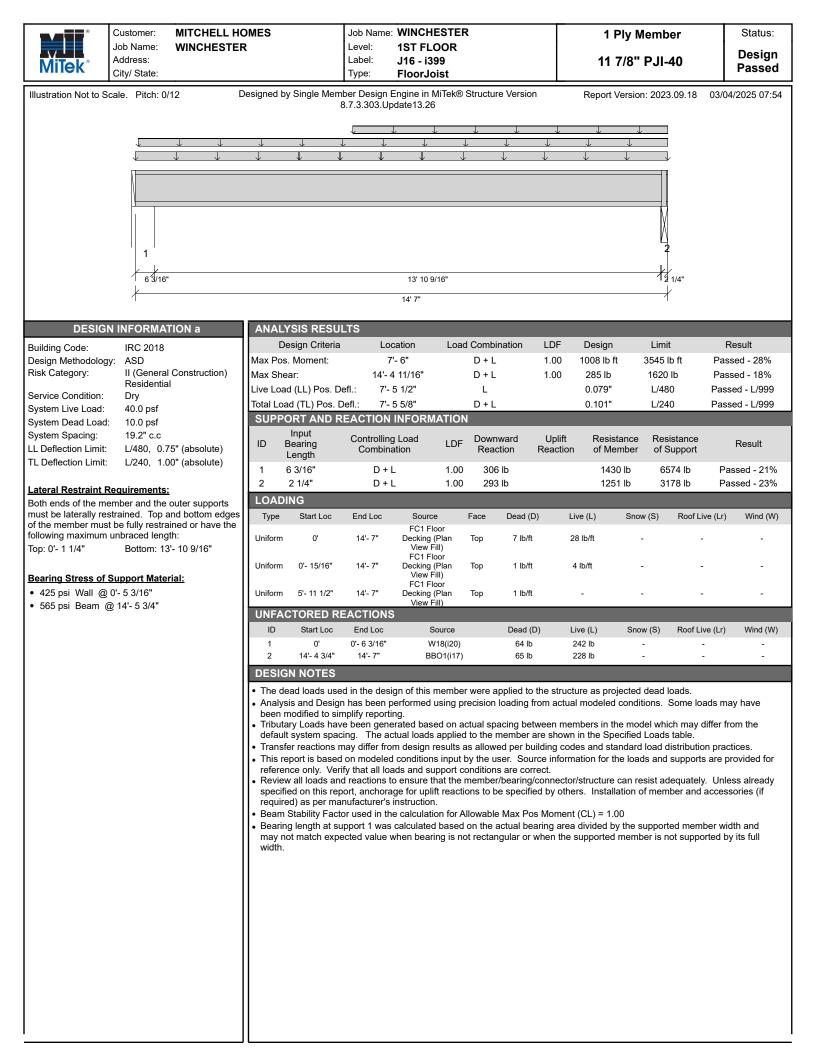
Beam Stability Factor used in the calculation for Allowable Max Pos Moment (CL) = 1.00

Source

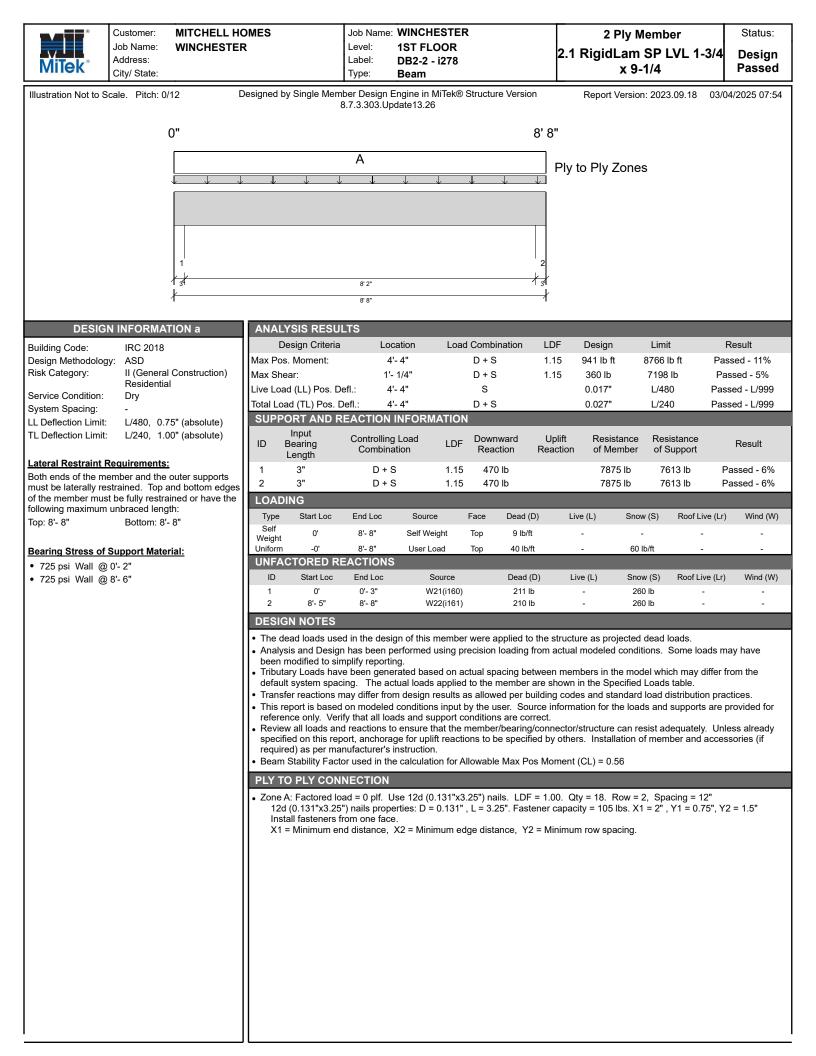
BBO2(i18)

BBO1(i17)

	Customer: MITCHELL H	OMES	Job Name: WINCH	IESTER	1 Ply Mer	nber	Status:
MiTek®	Job Name: WINCHESTEI Address: City/ State:	2	Level: 1ST FL Label: J14 - i Type: FloorJ	398	11 7/8" P、	JI-40	Design Passed
Illustration Not to Sc.	ale. Pitch: 0/12		ber Design Engine in 8.7.3.303.Update13.2	MiTek® Structure Version 6	Report Version: 2	023.09.18 03/	04/2025 07:54
		\downarrow \downarrow	\downarrow \downarrow		\downarrow \downarrow	\checkmark	
						2	
121	/4"		13' 4 3/4			4 3/8"	
			13' 11 3	3/8"			
DESIGN	INFORMATION a	ANALYSIS RESU	LTS				
Building Code:	IRC 2018	Design Criteria	Location	Load Combination	LDF Design L	imit	Result
Design Methodology		Max Pos. Moment:	6'- 10 9/16"	D + L			issed - 45%
Risk Category:	II (General Construction) Residential	Max Shear:	13'- 6 15/16" efl.: 6'- 10 5/8"	D + L L			issed - 29% ssed - L/999
Service Condition:	Dry	Live Load (LL) Pos. D Total Load (TL) Pos. [L D+L			ssed - L/999 ssed - L/999
System Live Load: System Dead Load:	40.0 psf 10.0 psf				0.132 L		sed - E/333
System Spacing:	19.2" c.c	Input		Downword	Uplift Resistance F	Resistance	
LL Deflection Limit:	L/480, 0.75" (absolute)	ID Bearing	Controlling Load Combination		-	of Support	Result
TL Deflection Limit:	L/240, 1.00" (absolute)	Length 1 2 1/4"	D + L	1.00 482 lb	1251 lb	3178 lb F	assed - 38%
Lateral Restraint Re	equirements:	2 4 3/8"	D + L	1.00 501 lb	1430 lb	4648 lb F	assed - 35%
Both ends of the mer	mber and the outer supports	LOADING					
of the member must	trained. Top and bottom edges be fully restrained or have the	Type Start Loc	End Loc Sour FC1 F	()	Live (L) Snow (S) Roof Live (Lr) Wind (W)
following maximum u Top: 0'	Inbraced length: Bottom: 13'- 4 3/4"	Uniform 0'	13'- 11 3/8" Decking View		56 lb/ft -	-	-
		UNFACTORED R				_	
Bearing Stress of S	upport Material:	ID Start Loc		Source Dead (D)	Live (L) Snow (S	Roof Live (Lr)) Wind (W)
 565 psi Beam @ 425 psi Wall @ 1 		1 0' 2 13'- 7"	0'- 2 1/4" B 13'- 11 3/8"	BO1(i17) 96 lb W4(i4) 100 lb	385 lb - 401 lb -	-	-
• 425 psi wali @ 1	13-0	DESIGN NOTES					
		The dead loads use	d in the design of this	member were applied to the	ne structure as projected dea	ad loads.	
		 Analysis and Design been modified to sir 		using precision loading fro	m actual modeled condition	s. Some loads n	nay have
		Tributary Loads have	e been generated bas		een members in the model v		from the
			•	••	e shown in the Specified Loa ding codes and standard loa		actices.
		This report is based	l on modeled condition	ns input by the user. Sourc	e information for the loads a	•	
				upport conditions are corre that the member/bearing/c	ct. onnector/structure can resist	t adequatelv. Un	less alreadv
		specified on this rep	oort, anchorage for up	lift reactions to be specified	by others. Installation of m		
			nufacturer's instructio or used in the calculat	n. tion for Allowable Max Pos	Moment (CL) = 1.00		
		 Bearing length at su 	pport 2 was calculate	d based on the actual bear	ing area divided by the supp		
		may not match expe width.	ected value when bea	ring is not rectangular or w	hen the supported member i	is not supported	by its full

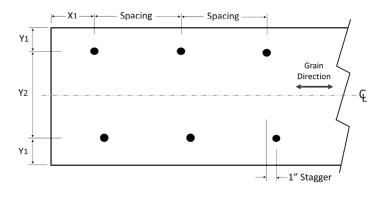


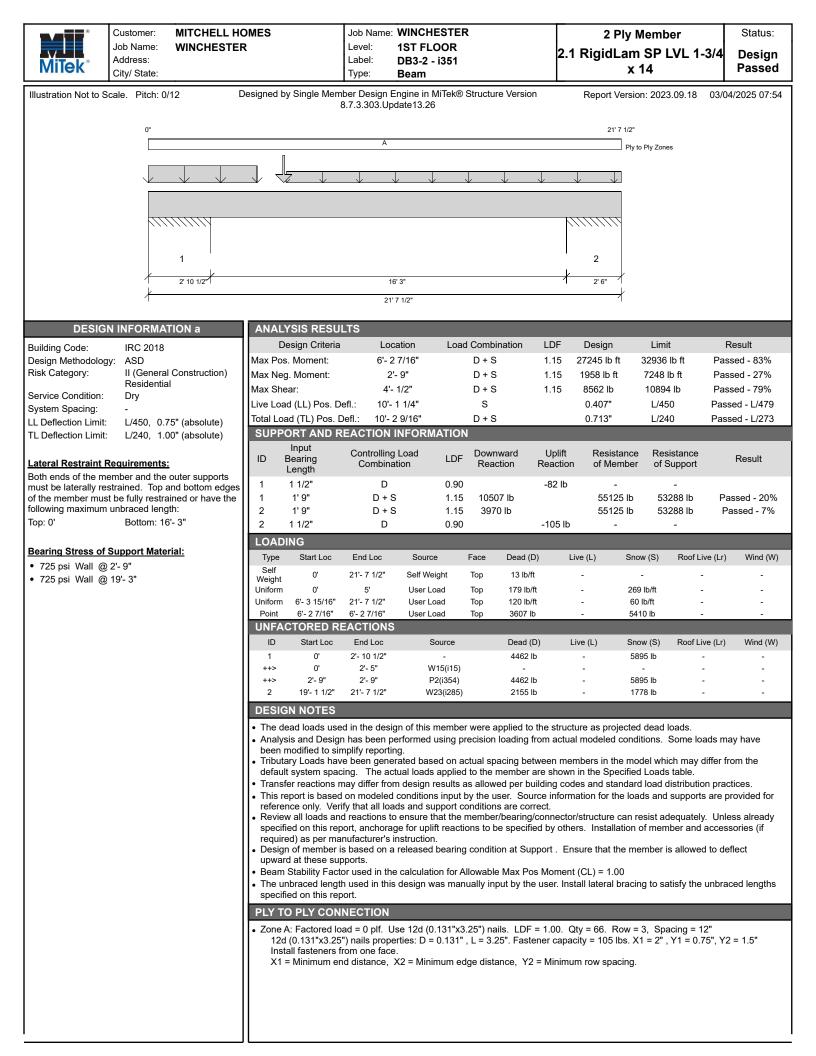
	Customer: MITCHELL H			1	WINCHEST				1 Ply	Member		Status:
	ob Name: WINCHESTE .ddress: :ity/ State:	ĸ		Level: Label: Type:	1ST FLOOR J14 - i406 FloorJoist	2			11 7/8	" PJI-40		Design Passed
Illustration Not to Sca	,	Designed b			Engine in MiTek	® Structu	ire Version		Report Versi	ion: 2023.09.18	03/0	4/2025 07:54
				·	¥				 .I.	<u> </u>		
		¥	¥ ¥	Ψ	¥	*	¥	*	¥			
										X		
										Ŋ		
	6 3/16"				12' 3 3/8"					12 1/4"		
	/				12' 11 13/16"					/		
											_	
	INFORMATION a		YSIS RESU		otion		inction		Desize	1 ; 14		Deeult
Building Code:	IRC 2018 ASD		esign Criteria s. Moment:		ation Lo - 8"	bad Comb D + L		LDF 1.00	Design 772 lb ft	Limit 3545 lb ft		Result ssed - 22%
Design Methodology: Risk Category:	II (General Construction)	Max Po			- 8" 6 1/4"	D+1 D+1		1.00	246 lb	3545 lb π 1620 lb		ssed - 22% ssed - 15%
Service Condition:	Residential	11	ad (LL) Pos. D		15/16"	L	_		0.051"	L/480		sed - L/999
System Live Load:	Dry 40.0 psf	Total Lo	ad (TL) Pos. D	Defl.: 6'- 7	15/16"	D + l	-		0.063"	L/240	Pas	sed - L/999
System Dead Load:	10.0 psf	SUPP		EACTION	INFORMATIO	ON	_	-	_	_	-	_
System Spacing:	19.2" c.c	ID	Input Bearing	Controlling			nward	Uplift	Resistanc			Result
LL Deflection Limit: TL Deflection Limit:	L/480, 0.75" (absolute) L/240, 1.00" (absolute)		Length	Combina	ition	Rea	iction F	Reaction	of Membe	er of Support		
		1	6 3/16"	D + L			1 lb		1430 lb	6574 lb		assed - 19%
Lateral Restraint Red		2 LOAD	2 1/4"	D + L	. 1.(JU 25	3 lb	_	1251 lb	3178 lb	Pa	assed - 20%
	ber and the outer supports ained. Top and bottom edges		Start Loc	End Loc	Source	Face	Dead (D)	Liv	re (L) Sr	now (S) Roof L	.ive (Lr)	Wind (W)
of the member must b	e fully restrained or have the				FC1 Floor		. ,				.100 (LI)	Wind (W)
following maximum ur Top: 0'- 1 1/4"	Bottom: 12'- 3 3/8"	Uniform	0'	12'- 11 13/16"	Decking (Plan View Fill)	Тор	7 lb/ft	28	lb/ft	-	-	-
		Uniform	0'- 15/16"	12'- 11 13/16"	FC1 Floor Decking (Plan	Тор	1 lb/ft	4	lb/ft	-	-	-
Bearing Stress of Su	••		CTORED R		View Fill)	-	_	-	_	_	-	_
 425 psi Wall @ 0' 565 psi Beam @ ' 		ID	Start Loc	End Loc	Source		Dead (D)	Liv	/e (L) Si	now (S) Roof L	ive (Lr)	Wind (W)
• 505 psi beam @	12 - 10 9/10	1	0'	0'- 6 3/16"	W18(i20		54 lb	2	17 lb	-	-	-
		2		12'- 11 13/16"	BBO1(i1	7)	51 lb	20	02 lb	-	-	-
			GN NOTES									
					gn of this mem					ed dead loads. ditions. Some lo	ode m	ay baya
		been	modified to sin	nplify reportir	ng.	•						
										odel which may ed Loads table.	differ f	rom the
										rd load distributi		
					conditions inpl ds and suppor				ation for the lo	ads and suppor	ts are p	provided for
		Revie	w all loads and	d reactions to	ensure that th	e membe	er/bearing/co	onnector/		resist adequate of member and		
		requir	ed) as per ma	nufacturer's i	nstruction.		·	,		i of member and	acces	sones (II
					e calculation fo					supported men	aborwi	dth and
										nber is not supp		
		width.										



PLY TO PLY CONNECTION

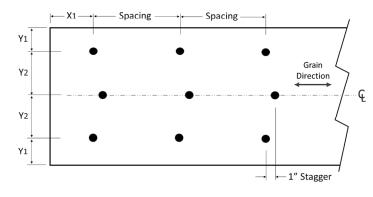
FASTENER INSTALLATION - 2 ROWS (FROM ONE FACE)





PLY TO PLY CONNECTION

FASTENER INSTALLATION - 3 ROWS (FROM ONE FACE)



	Customer: MITCHELL H ob Name: WINCHESTE Address: City/ State:			Job Name: Level: Label: Type:	WINCHE 1ST FLC FB4 - i3 Beam	DOR			2.1	RigidLa	y Mem am SP 11-7/8	LVL 1	-3/4	Status: Design Passed
Illustration Not to Sca	le. Pitch: 0/12	Designed by		ber Design E 8.7.3.303.Up		liTek® S	tructure	Version		Report Ve	rsion: 202	23.09.18	03/0	4/2025 07:54
			_				_							
				1			2							
			×	6"	2' 8"		6"							
			¥		3' 8"		\rightarrow							
DESIGN	INFORMATION a	ANALY	SIS RESU	LTS										
Building Code: Design Methodology:	IRC 2018 ASD		esign Criteria . Moment:		ation 7/16"		Combina 0.75(L +		LDF 1.15	Design 1038 lb ft	Lin	nit 5 lb ft		Result ssed - 8%
Risk Category:	II (General Construction)	11	. Moment:		- 5"	DŦ	D + S	- 3)	1.15	95 lb ft		3 lb ft		ssed - 8% ssed - 1%
Service Condition:	Residential Dry	Max She			2 1/8"		0.75(L +	· S)	1.15	468 lb	462	0 lb	Pas	sed - 10%
System Spacing: L Deflection Limit:	- L/480, 0.75" (absolute)	SUPPC	Input	Controlling			Downw	vard	Uplift	Resistar	nco Pr	sistance	-	_
L Deflection Limit:	L/240, 1.00" (absolute)		Bearing Length	Combina		LDF	Reacti		Reaction	of Mem		Support		Result
ateral Restraint Re.	quirements:	1 2	6" 6"	D + S D + S		1.15 1.15	2033 2037			7875 7876		1462 lb 1463 lb		assed - 46% assed - 46%
	ber and the outer supports ained. Top and bottom edges		-				2001	1.0			~	100 15		
f the member must b blowing maximum u	be fully restrained or have the abbraced length:	Туре	Start Loc	End Loc	Source	e F	ace	Dead (D)	Liv	/e (L)	Snow (S)	Roof L	ive (Lr)	Wind (W
op: 0'	Bottom: 1'- 4 11/16"	Self Weight Uniform	0' 0'	3'- 8" 3'- 8"	Self Wei User Lo	-	Тор Тор	5 lb/ft 485 lb/ft		-	- 607 lb/ft		-	-
ອ Bearing Stress of Sເ	pport Material:	Tapered	0'	3'- 7"	FC1 Flo Decking (or	Тор	-	5 Tc	- 0 1 lb/ft	-		-	-
• 425 psi Wall @ 0		Point	1'- 11 13/16"		View Fi J38(i33	II)	Front	43 lb		/-110 lb	-		-	-
• 425 psi Wall @ 3'	- 3"	UNFAC		EACTIONS		,				-				
		ID 1	Start Loc 0'	End Loc 0'- 6"		ource 24(i327)		Dead (D) 920 lb		ve (L) 3/-49 lb	Snow (S) 1113 lb	Roof L	ive (Lr)	Wind (W)
		2	3'- 2"	3'- 8"		20(i22)		924 lb		0/-61 lb	1113 lb		-	-
		 The de Analys been n Tributa default Transfe This referen Review specific require 	is and Design nodified to sir rry Loads hav system space er reactions r port is based nce only. Ver v all loads an ed on this rep ed) as per ma	ed in the design n has been propertian re been genei sing. The actionary differ from any differ from and diffy that all load diffy that all load d	erformed u ig. rated base tual loads n design r conditions ds and su ensure th ge for uplif nstruction	using pre ed on act applied t esults as input by pport con nat the m t reactio	ecision lo tual space to the m allowed y the use nditions hember/k ns to be	bading fro cing betw ember ar d per buil er. Sourc are corre bearing/c specified	een men e shown ding code e informa ct. onnector/ I by other	modeled co nbers in the in the Speci es and stand ation for the /structure ca rs. Installati	onditions. model wi ified Load dard load loads an loads an an resist a on of me	Some lo nich may Is table. distribution d support	differ fr on prac s are p y. Unle	om the ctices. rovided for ess already

	-			MITCHELL HOMES		Date:	3/4/2025 CDH	Page 1 c
	TisDe	sign	Project: Address:			Input by: Job Nam		
						Project #		
P1	Anth	ony Power	Column	3.500" X 5	5.500" - PA	SSED	Level: Level	
				Design Meth	od: ASD		Design OK.	
				Building Cod	le: IRC 2018		Design Notes	
				Importance:	Normal - II			of 1/6 side dimension in both
	0	20 1 050		Application:	Column Free	Standing		ch axis analyzed separately. e with NDS 2018, ASCE7 and
	0-	-3-8 0-5-8		Service Cond	dition: Dry		IRC 2018.	
				Load Sharing	g: No		3. Top and bottom ends o	f the member must be teral movement and rotation.
		9-1-2					4. Holes and notches are	
nalys	is						gn Properties	
Slenderr	ness	Actual 31.2	Allowed 50.0	Capacity 62%	Load Combin	ation E: Ey:	1900000 Fc: 2 1900000 Fv:	300 0
Axial (lb.		8478	14184	60%	D+S	Fb:	2100 Fvy:	0
	Bending	0.80	1	80%	D+S	Fby:	2300	
Bearing L Defle	SP (lb.)	8525 0.142 (in.) L/767	10876 0.303 (in.) L/360	78% 47%	D+S S			
	ied Load	· · ·						
) xial	Load Typ		Dead 0.9	Live 1 Snow 1.15	Wind 1.6 Cons	t. 1.25 Co	mments	
brian	Point	9-1-2	3391 lb	0 lb 5087 lb	0 lb	0 lb		
							Manufacturer Info Anthony Forest Products Co 309 North Washington	KEMPSVILLE BUILDIN MATERIALS, VA
							Manufacturer Info Anthony Forest Products Co 309 North Washington El Dorado, AR 71730 (800) 221-2326 www.anthonyforest.com	
				Th	is design is valid until 9	3/2027	Anthony Forest Products Co 309 North Washington El Dorado, AR 71730 (800) 221-2326	

		Client: Project:	MITCHELL HOMES		ate: 3/4/2025 Page 2 put by: CDH
i:	sDesign	Address:			b Name: WINCHESTER MODEL oject #:
P2 Ai	nthony Power	r Column	3.500" X	5.500" - PASSE	
	0-3-8 0-5-8 9-1-2		Design Me Building Co Importance Application Service Co Load Shari	ode: IRC 2018 e: Normal - II h: Column Free Standin ondition: Dry	Design OK. Design Notes 1. No axial load eccentricity. 2. Designed in accordance with NDS 2018, ASCE7 and IRC 2018. 3. Top and bottom ends of the member must be supported to prevent lateral movement and rotation. 4. Holes and notches are not allowed in member.
nalysis	Actual 31.2 10357	Allowed 50.0 14184	Capacity 62% 73%	Load Combination	Design Properties E: 1900000 Fc: 2300 Ey: 1900000 Fv: 0 Fb: 2100 Fvy: 0
xial (lb.) Bearing SP (lb		14184 10876	73% 96%	D+S	Fb: 2100 FVy: 0 Fby: 2300
L Deflection	0.000 (in.) L/0	0.000 (in.) L/0	0%	??	
Applied	Loads				
Applied I) Load xial	Loads d Type Location	Dead 0.9	Live 1 Snow 1.15	5 Wind 1.6 Const. 1.25	Comments
) Loa	d Type Location	Dead 0.9 4462 lb	Live 1 Snow 1.15		
) Load	d Type Location				Manufacturer Info Anthony Forest Products Co 309 North Washington El Dorado, AR 71730
Load	d Type Location				Manufacturer Info Anthony Forest Products Co 309 North Washington Anthony Forest Products Co

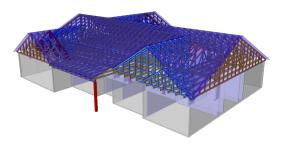
	/	Client: N	/ITCHELL HOMES		Date:	3/4/2025	Page 3 of 3
•	isDesign	Project: Address:			Input by: Job Nam		
		Address.			Project #		
Р3	Anthony Power	Column	5.500" X	5.500" - PASS	SED	Level: Level	
	0-5-8 0-5-8 9-1-2		Design Me Building Co Importance Application Service Co Load Shari	ode: IRC 2018 :: Normal - II : Column Free Star indition: Dry	Iding	 Designed in accordance IRC 2018. Top and bottom ends of 	h axis analyzed separately. with NDS 2018, ASCE7 and the member must be eral movement and rotation.
Analysi Slenderne Axial (Ib.) Axial + Be Bearing S LL Deflec	Actual ess 19.8) 14038 ending 0.35 SP (lb.) 14113	Allowed 50.0 49268 1 17091 0.303 (in.) 1/360	Capacity 40% 28% 35% 83% 28%	Load Combinatio D+S D+S D+S S		1900000 Fv: 2100 Fvy:	000 0 0
	ction 0.085 (in.) L/1277	0.303 (in.) L/360	28%	5			
	Load Type Location	Dead 0.9	Live 1 Snow 1.15	Wind 1.6 Const. 1.	25 Co	mments	
	Point 9-1-2	5615 lb	0 lb 8423 lb	o 0 lb 0) lb		
						Manufacturer Info Anthony Forest Products Co 309 North Washington EI Dorado, AR 71730 (900) 201 2026	KEMPSVILLE BUILDING MATERIALS, VA
						(800) 221-2326 www.anthonyforest.com	
				This design is valid until 9/3/20	27		
ersion 24.6	60.996 Powered by iStruct™ Dataset:	24051401.1529					



Kempsville Chesapeake Component Plant 3300 Bus Center Dr Chesapeake, VA 23323

Phone #:757-485-8590

Builder: Mitchell Homes, Inc. Model: SPENCER



THE PLACEMENT PLAN NOTES:

1. The Placement Plan is a diagram for truss installation. It is not an engineered drawing and has not been reviewed by an engineer. The Owner/Building Designer is responsible for obtaining an engineer's review if one is required by the local jurisdiction.

2. The responsibilities of the Owner, Contractor, Building Designer, Component Designer and Component Manufacturer shall be as set forth in ANSI/TPI 1. Capitalized terms shall be as defined in ANSI/TP 1 unless otherwise indicated.

3. Each Component is designed as an individual component utilizing information provided by others. The Owner/Building Designer is responsible for reviewing all Component Submittal Packages and individual Component Design Drawings for compliance with the Construction Documents and compatibility with the overall Building design.

4. Contractor will not proceed with component installation until the Owner/Building Designer has reviewed the Component Submittal Package. Questions on the suitability of any Component will be resolved by the Building Designer.

5. The Building Designer and Contractor are responsible for all temporary and permanent bracing.

6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components, including foundations, headers, beams, walls and columns are the responsibility of the Owner, Building Designer and Contractor.

7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.

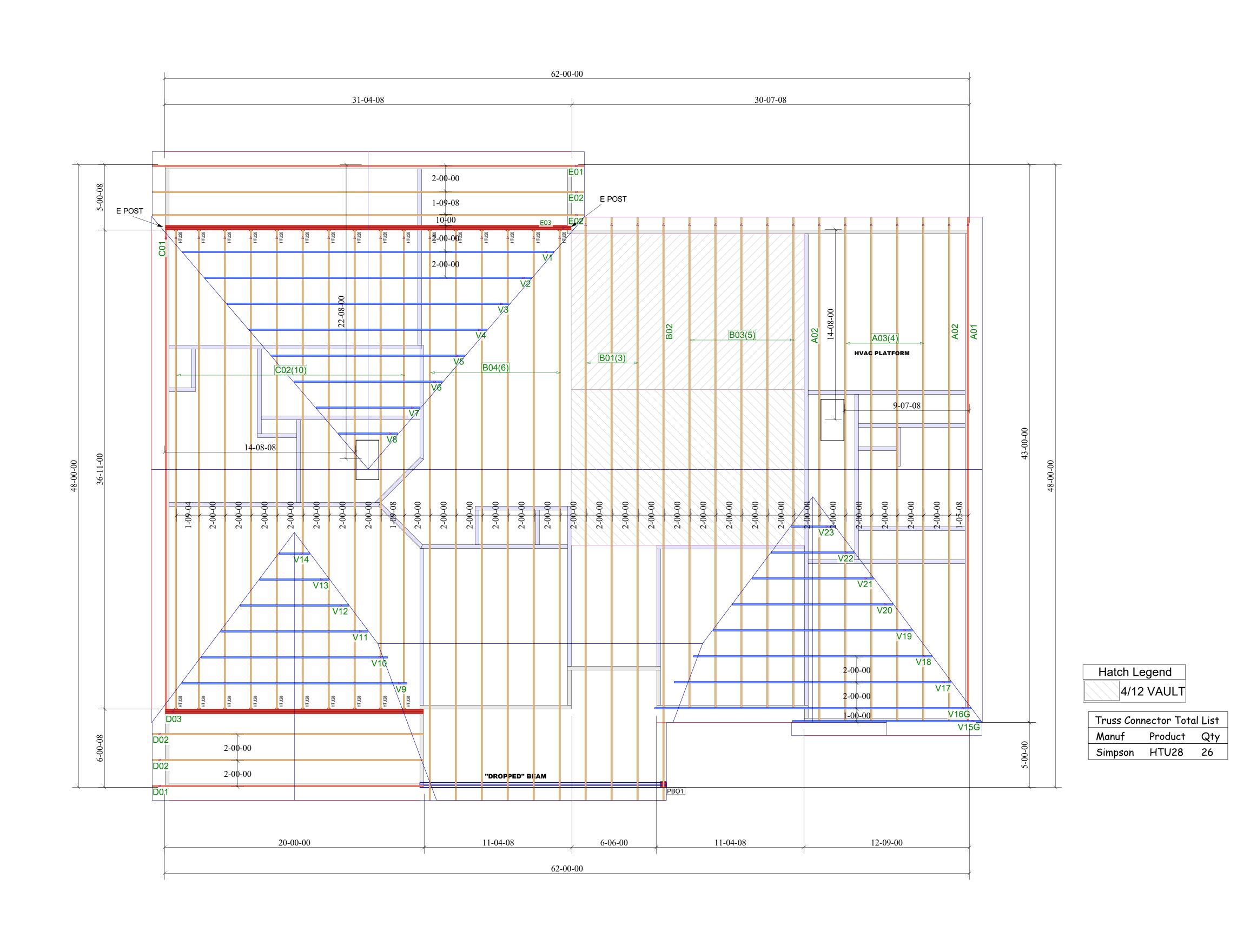
8. Components must be handled and installed following all applicable safety standards and best practices, including but not limited to BCSI, OSHA, TPI and local codes. Failure to properly handle, brace or otherwise install Component can result in serious injury or death.

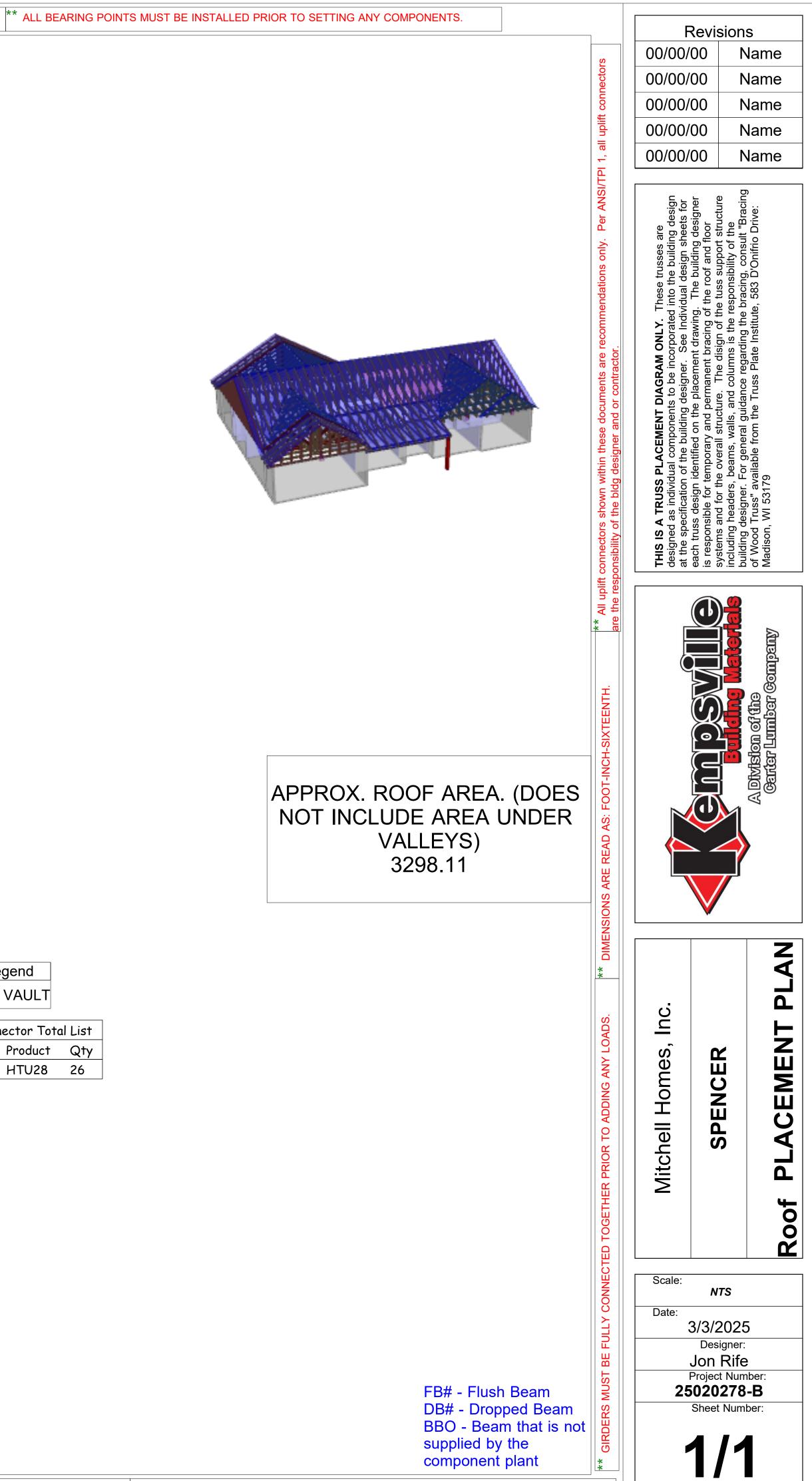
9. All uplift connectors shown within these documents are recommendations only. Per ANSI/TPI 1, all uplift connectors are the responsibility of the building designer and or contractor.

Approved By: _____

Date:

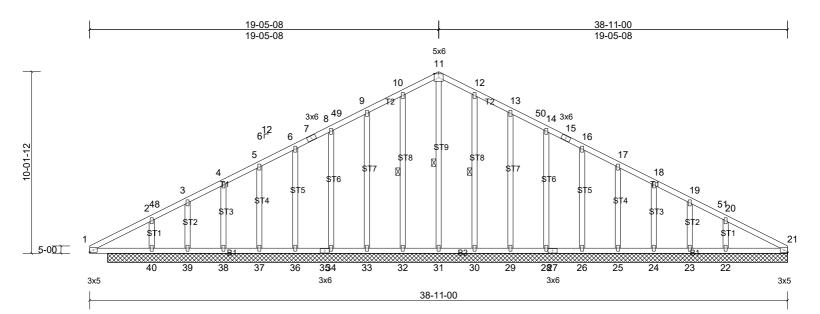
SHOULD NOT BE INST JENTS DAMAGED * 10 L E E Ω.





Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	A01	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.73 S Jul 11 2024 Print: 8.730 S Jul 11 2024 MiTek Industries, Inc. Mon Mar 03 10:04:05 Page: 1 ID:bLGxm6WoUEd?J6NsHb?wOVzrtGN-f71A6GXmDB?IToMddxYhKumceYzEfH9kuevRwpzegkO



Scale = 1:64.6

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.26	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horiz(TL)	0.02	21	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 258 lb	FT = 20%

	2x4 SP No.2 2x4 SP No.2	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt 11-31, 10-32, 12-30
(Ib) - Ma Ma	l bearings 37-11-00. ax Horiz 40=219 (LC 15) ax Uplift All uplift 100 (lb) or less at joint(s) 21, 24, 25, 26, 28, 29, 30, 32, 33, 34, 36, 37, 38, 44 except 22=-152 (LC 15), 23=-161 (LC 16), 39=-171 (LC 15), 40=-157 (LC 16) ax Grav All reactions 250 (lb) or less at joint(s) 21, 23, 24, 25, 26, 28, 29, 33, 34, 36, 37, 38, 39, 44 except 22=411 (LC 39), 30=258 (LC 22), 31=360 (LC 28), 32=258 (LC 21), 40=407 (LC 38)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES TOP CHORD WEBS	 (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when show 1-2=-156/271, 3-48=-94/257, 3-4=-23/267, 4-5=0/280, 5-6=0/292, 6-7=0/2 9-10=-34/376, 10-11=-53/433, 11-12=-53/433, 12-13=-34/376, 13-50=-10, 16-17=0/292, 17-18=0/280, 18-19=-24/268, 19-51=-92/256, 20-21=-156/2 11-31=-319/0, 2-40=-248/270, 20-22=-249/273 	80, 7-8=0/305, 8-49=- /316, 14-50=-15/298, 1	
NOTES			
	roof live loads have been considered for this design.		
2) Wind: ASCE Corner(3E)	E 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6 0-0-0 to 3-10-13, Exterior(2N) 3-10-13 to 19-5-8, Corner(3R) 19-5-8 to 23-5-8 at exposed;C-C for members and forces & MWFRS for reactions shown; Lumb	, Exterior(2N) 23-5-8 to	o 38-11-0 zone; cantilever left and right exposed ; end vertical
Truss designation	gned for wind loads in the plane of the truss only. For studs exposed to wind		
	ilding designer as per ANSI/TPI 1.		
	E 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; F	Pf=20.8 psf (Lum DOL:	=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.;
	=1.00; Ct=1.10 I snow loads have been considered for this design.		
	re 2x4 MT20 unless otherwise indicated.		
- /	s snaced at 2-0-0 oc		

7) Gable studs spaced at 2-0-0 oc.

8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 32, 33, 34, 36, 37, 38, 30, 29, 28, 26, 25, 24 except (jt=lb) 39=171, 40=157, 23=161, 22=152.

10) Non Standard bearing condition. Review required.

11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	A02	Common	2	1	Job Reference (optional)

Run: 8.73 S Jul 11 2024 Print: 8.730 S Jul 11 2024 MiTek Industries, Inc. Mon Mar 03 10:04:05 Page: 1 ID:bLGxm6WoUEd?J6NsHb?w0VzrtGN-f71A6GXmDB?IToMddxYhKumTQYplf57kuevRwpzegkC

6-09-01 13-01-04 19-05-08 25-09-12 32-01-15 38-11-00 6-09-01 6-04-04 6-04-04 6-09-01 6-04-04 6-04-04 5x6 5 3x6 2x4 22 23 2x4 3x6 21 24 4 6 6¹² 3 7 0-01-12 2x4 2x4 2 8 20 25 6x12 9 HW1 5-00 B1 B2 B1 27 26 10 11 8x10 8x10 4x8 4x5 1-00-00 13-01-04 25-09-12 38-11-00 12-01-04 12-08-07 13-01-04

Scale = 1:64.3

1-00-00

Plate Offsets (X, Y): [1:1-11,0-02], [1:1-01,Edge], [10:5-00,4-08], [11:5-00,4-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.37	10-11	>999	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.59	10-11	>792	180		
TCDL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.06	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 233 lb	FT = 20%

LUMBER	BRACING	
TOP CHORD 2x4 SP No.1 *Except* T1:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD 2x6 SP 2400F 2.0E *Except* B2:2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W3:2x4 SP No.2	WEBS	1 Row at midpt 5-10
WEDGE Left: 2x8 SP 2400F 2.0E		MiTek recommends that Stabilizers and required cross bracing be
REACTIONS (lb/size) 1=1629/3-08, (min. 1-08), 9=1546/3-08, (min. 1-08) Max Horiz 1=219 (LC 15)		installed during truss erection, in accordance with Stabilizer Installation guide.
Max Uplift 1=-421 (LC 15), 9=-404 (LC 16)		
Max Grav 1=1778 (LC 4), 9=1687 (LC 4)		
FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except whe	en shown.	
TOP CHORD 1-20=-3304/690, 2-20=-3259/712, 2-3=-2997/592, 3-4=-2863/611, 4	4-21=-3075/743, 21-22=-30	19/753, 5-22=-2994/774,
5-23=-3162/811, 23-24=-3184/790, 6-24=-3240/780, 6-7=-3047/64	5, 7-8=-3181/627, 8-25=-35	57/791, 9-25=-3616/775
BOT CHORD 1-11=-731/2853, 11-26=-230/1855, 26-27=-230/1855, 10-27=-230/	1855, 9-10=-600/3175	
WEBS 4-11=-556/385, 5-11=-423/1278, 2-11=-337/302, 5-10=-468/1555, (6-10=-524/372, 8-10=-529/3	63
NOTES		
 Unbalanced roof live loads have been considered for this design. 		
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BC	CDL=6.0psf; h=25ft; Cat. II;	Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C
Exterior(2E) 0-0-0 to 3-10-13, Interior (1) 3-10-13 to 19-5-8, Exterior(2R) 19-5-8 to	23-4-5, Interior (1) 23-4-5 to	o 38-11-0 zone; cantilever left and right exposed ; end vertical left
and right exposed;C-C for members and forces & MWFRS for reactions shown; Lu	imber DOL=1.60 plate grip [DOL=1.33
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.	0 psf; Pf=20.8 psf (Lum DO	L=1.15 Plate DOL=1.15); ls=1.0; Rough Cat C; Fully Exp.;
Ce=0.9; Cs=1.00; Ct=1.10		

4) Unbalanced snow loads have been considered for this design.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 404 lb uplift at joint 9 and 421 lb uplift at joint 1.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	A03	Common	4	1	Job Reference (optional)

Run: 8.73 S Jul 11 2024 Print: 8.730 S Jul 11 2024 MiTek Industries, Inc. Mon Mar 03 10:04:06 Page: 1 ID:bLGxm6WoUEd?J6NsHb?wOVzrtGN-7JbYKbYO U785vxpBe3wt5JbbxD2OZJt6le TFzeqkN

19-05-08 32-01-15 6-09-01 13-01-04 25-09-12 38-11-00 6-04-04 6-04-04 6-04-04 6-04-04 6-09-01 6-09-01 5x6 5 3x6 2x4 26 27 2x4 3x6 25 28 4 6 6¹² 3 0-01-12 2x4 2x4 2 8 NO 24 29 8x10 ¥¥4 Ънм 121-00-08 32 33 5-00 B1 **B**2 B1 31 ĕ 15 30 11 3x6 10 8x10 2x4 MT20HS 8x12 5x8 4x5 2x4 13-10-15 13-09-12 25-09-12 1-00-00 25-01-04 13-01-04 19-05-08 25-00-01 38-11-00 12-01-04 5-06-09 5-06-09 13-01-04 1-00-00 8-08 1-03 1-03 8-08 Scale = 1:64.3 Plate Offsets (X, Y): [1:0-07,0-14], [1:0-01,1-00-03], [9:0-03,0-10], [10:6-00,5-00], [15:5-00,4-08] 2-00-00 CSI DEFL PLATES GRIP Loading (psf) Spacing in (loc) I/defl L/d TCLL (roof) 20.0 Plate Grip DOL 1.15 тс 0.98 Vert(LL) -0.50 11 >943 240 MT20 244/190 Snow (Pf/Pg) 20.8/30.0 Lumber DOL 1.15 BC 0.67 Vert(CT) -0.84 11-15 >557 180 MT20HS 187/143 WB TCDL 10.0 Rep Stress Inc 0.94 Horz(CT) n/a YES 0.07 9 n/a IRC2018/TPI2014 Matrix-MSH BCIT 0.0 Code BCDL Weight: 249 lb FT = 20% 10.0 LUMBER BRACING TOP CHORD 2x4 SP 2400F 2.0E *Except* T1:2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied. 2x6 SP 2400F 2.0E *Except* B3:2x4 SP No.2 BOT CHORD BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 2x4 SP No.3 *Except* W3:2x4 SP No.2 WFBS WFBS 1 Row at midpt 5-10 WEDGE Left: 2x6 SP No.2 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer REACTIONS (lb/size) 1=1747/3-08, (min. 1-11), 9=1657/3-08, (min. 1-09) Installation guide. Max Horiz 1=219 (LC 15) Max Uplift 1=-351 (LC 15), 9=-337 (LC 16)

Max Grav 1=2023 (LC 4), 9=1919 (LC 4)

FORCES (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

TOP CHORD 1-24=-3816/542, 2-24=-3765/566, 2-3=-3509/435, 3-4=-3390/454, 4-25=-3607/586, 25-26=-3585/595, 5-26=-3525/616,

5-27=-3723/651, 27-28=-3746/630, 6-28=-3802/620, 6-7=-3606/485, 7-8=-3740/467, 8-29=-4107/633, 9-29=-4179/616

BOT CHORD 1-15=-605/3296, 15-30=-112/2238, 11-30=-112/2238, 11-31=-112/2238, 10-31=-112/2238, 9-10=-460/3663

WEBS 4-15=-560/383, 14-15=-380/1419, 5-14=-342/1545, 2-15=-302/320, 6-10=-524/373, 5-12=-382/1872, 10-12=-420/1747, 8-10=-513/367, 11-13=-318/0

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 3-10-13, Interior (1) 3-10-13 to 19-5-8, Exterior(2R) 19-5-8 to 23-4-5, Interior (1) 23-4-5 to 38-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
 TOUL 1000 F 1000 F

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.;

Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this de-

4) Unbalanced snow loads have been considered for this design.

5) All plates are MT20 plates unless otherwise indicated.

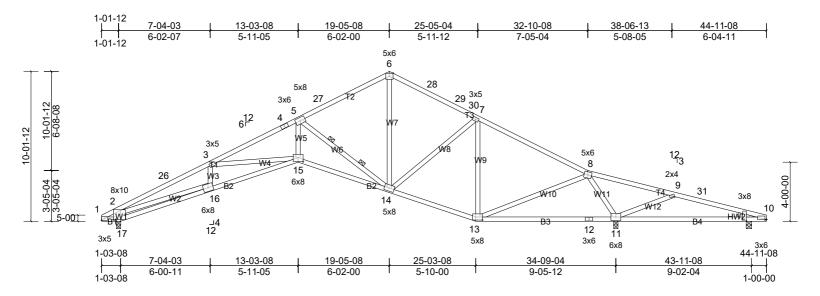
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 337 lb uplift at joint 9 and 351 lb uplift at joint 1.

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- [Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
1	25020278-В	B01	Roof Special	3	1	Job Reference (optional)

Run: 8.73 S Jul 11 2024 Print: 8.730 S Jul 11 2024 MiTek Industries, Inc. Mon Mar 03 10:04:06 Page: 1 ID:bLGxm6WoUEd?J6NsHb?wOVzrtGN-7JbYKbYO_U785yxpBe3wt5JcXxBVOaFt6le_TFzegkN

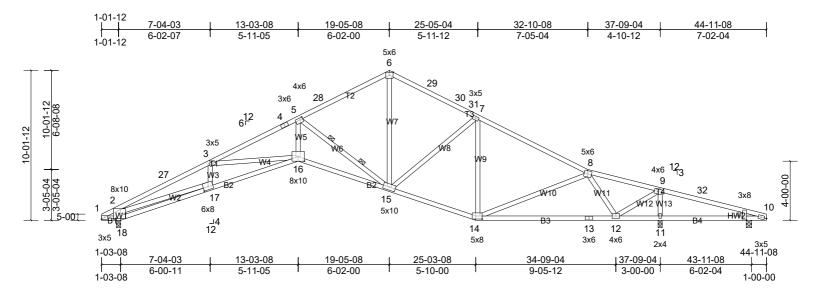


Scale = 1:78.3

Loading (psf) Spacing 2-00-00 CSi DEFL in (inc) I/def L/def PLATES GRIP Snow (P/Pg) 20.3/3.0 1	Plate Offsets (X,	Y): [2:6-00,7-08],	[10:1-03,0-02], [10:1-0	02,1-04-04], [13:5-08,2	-08], [15:4-00,3-	-04]							
Snow (Pf/Fg) 20.8/30.0 TODL Lumber DOL 1.15 Rep Stress Incr BC 0.77 Weight: 235 lb Ver(CT) -0.74 15-16 >5-54 180 BCL 0.0* Bcd 0.0* Bcd 0.77 Ver(CT) -0.74 15-16 >5-54 180 BCD 10.0 Bcd 0.0* Bcd 0.77 Ver(CT) -0.74 15-16 >5-54 180 BCD 10.0 Dot Inccontents BC 0.77 Ver(CT) 0.44 11 n/a n/a BCD 10.0 Dot Hor TOP CHORD 2x4 SP No.3 Except* W2,W52x4 SP No.2 BC TOP CHORD Structural wood sheathing directly applied. WEDGE REACTIONS (Ib/size) 10=-43/4-08, (min. 1-08), 11=2382/3-08, (min. 2-13), 17=1329/3-08, (min. 1-08), 11=2382/3-08, (min. 2-13), 17=1329/3-08, (min. 1-08), 11=2382/3-08, (min. 2-13), 17=1329/3-08, (min. 1-08), 11=2382/3-08, (min. 2-13), 17=220 (LC 16), 17=-356 (LC 15), Max Grav 10=229 (LC 43), 11=2382/3-08, (3, 4=-4047/1157, 4=-5390/1162, 5=27=-1407/59, 6=-27=-1407/59, 0=226-41337/236, 3+4=-4047/1157, 4=-5390/1162, 5=27=-1407/59, 0=27=-1407/59, 0=226-41387/237, 7=-30=-1485/578, 7=-59=-1205/467, 1=-3201/164, 10=33-269/248, 3=-369/3116, 3=14=-179	Loading	(psf)	Spacing				DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CDL 0.0 BCLL Rep Stress Incr YES Code WB IRC2018/TPI2014 WB Matrix-MSH 0.88 Horz(CT) 0.44 11 n/a Weight: 235 lb FT = 20% LUMBER CDL 0.0 10.0 Image: Code		20.0		1.15	TC	0.92					240	MT20	244/190
BCLL 0.0* Code IRC2018/TPI2014 Matrix-MSH Weight: 235 lb FT = 20% LUMBER BRACING TOP CHORD 2x4 SP No.1*Except* 13, T1.2x4 SP No.2 BRACING Structural wood sheathing directly applied. BOT CHORD 2x4 SP No.3*Except* 82:2x4 SP No.1 BOT CHORD XBOT CHORD XBOT CHORD XBOT CHORD Structural wood sheathing directly applied. WEDGE Right: 2x4 SP No.3*Except* W2,W5:2x4 SP No.1 BOT CHORD Structural wood sheathing directly applied. WEDGE Right: 2x4 SP No.3 Image: Commende that Stabilizers and required cross bracing installed during truss erection, in accordance with Stabilizer installation guide. FORCES (b): Amx Comp./Max. Tenn - All forces 250 (lb) or less except when shown. TOP CHORD 1: 7=-252/s/190, 2:26=-4216/1220, 3:26=-4120/3086, 13-14=-179/1049, 12-13=-656/274, 11-1110/368 OT CHORD 1: 1: 7=-656/274, 1: 1=-110/368 4: 4: 4: 15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 1: 1: 1: 1: 4: 5: 4: 5: 2: 6: 2: 6: 5: 5: 5: 6: 5: 5: 5: 6: 5: 5: 5: 6: 5: 5: 5: 6: 5: 5: 5: 5: 5:	(0)	20.8/30.0					(-)						
BCDL 10.0 Weight: 235 lb FT = 20% LUMBER TOP CHORD 2x4 SP No.1*Except* T3,T1:2x4 SP No.2 BOT CHORD 2x4 SP No.1*Except* T3,T1:2x4 SP No.2 BRACING TOP CHORD Structural wood sheathing directly applied. BOT CHORD 2x4 SP No.3 Fxcept* T3,T1:2x4 SP No.2 WEBS 24 SP No.3*Except* W2,WS:2x4 SP No.2 WEBS 2100 CHORD Rigid ceiling directly applied or 4-11-5 oc bracing. WEDGE Right: 2x4 SP No.3 Fxcept* T3,T1:2x4 SP No.2 WEBS 2100 CHORD Structural wood sheathing directly applied. Max Digit T0=-43/4-08, (min. 1-08), 11=2382/3-08, (min. 2-13), 17=1329/3.06, (min. 1-08) WEBS 2100 CHORD Image: Table of the table of tabl						0.88	Horz(CT)	0.44	11	n/a	n/a		
LUMBER BRACING TOP CHORD 2x4 SP No.1 *Except* T3,T1:2x4 SP No.2 BRACING BOT CHORD 2x4 SP No.3 *Except* B2:2x4 SP No.1 BOT CHORD Structural wood sheathing directly applied. WEDSE 2x4 SP No.3 *Except* W2:WS:2x4 SP No.2 WEBS 2.8 Covs at 1/3 pts 5-14 WEDSE Right: 2x4 SP No.3 Texcept* W2:WS:2x4 SP No.3 Texcept* W2:WS:2x4 SP No.3 Texcept* W2:WS:2x4 SP No.3 REACTIONS (b/size) 10=-43/4-08, (min. 1-08), 11=2382/3-08, (min. 2-13), 17=1375 (LC 21), 17=329(-0.6), (min. 1-08) MITEk recommends that Stabilizers and required cross bracing installed during truss erection, in accordance with Stabilizer Max Horiz 17=220 (LC 15) Max Grav 10=239 (LC 45), 11=2382 (LC 1), 17=1375 (LC 21) Immediate recommends that Stabilizer and required cross bracing installed during truss erection, in accordance with Stabilizer installation guide. TOP CHORD 1.2=-525/190, 2-26=-4216/1220, 3-26=-4133/1226, 3-4=-4047/1157, 4-5=-3900/1182, 5-27=-1477/569, 6-27=-1401/599, 6-28=-1404/607, 28-29=-1408/593, 29-30=-1472/578, 7-30=-1485/575, 7-8=-1205/467, 8-9=-604/1820, 9-31=-350/1194, 10-31=-350/1163 BOT CHORD 1.17=-265/274, 01-11=-110/386 WEBS 2.17=-1459/674, 2-16=-874/3372, 6-14=-289/905, 7-14=-67/496, 7-13=-809/311, 8-13=-444/1649, 8-11=-2280/868, 9-11=-9280/268, 5-15=-588/2508, 5-14==-3047/929 NOTES 10 ubalanced roof live loads have been considered fo			Code	IRC2018/TPI2014	Matrix-MSH								
TOP CHORD 2x4 SP No.1 *Except* 13.11:2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied. BOT CHORD 2x4 SP No.3 *Except* W2,W5:2x4 SP No.1 BOT CHORD Rigdi celling directly applied or 4.11-5 oc bracing. WEBS 2x4 SP No.3 *Except* W2,W5:2x4 SP No.2 WEBS 2 Rows at 1.3 pts 5-14 WEDGE Right: 2x4 SP No.3 *Except* W2,W5:2x4 SP No.2 WEBS 2 Rows at 1.3 pts 5-14 WEDGE 10=-43/4-08, (min. 1-08), 11=2382/3-08, (min. 2-13), 17=13793(LC 21). MTek recommends that Stabilizers and required cross bracing installed during truss erection, in accordance with Stabilizer Max Uplift 10=-195 (LC 21), 11=-552 (LC 16), 17=-356 (LC 15). Max Uplift 10=-2239 (LC 45), 11=2382 (LC 1), 17=1375 (LC 21) FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. E28=-1404/807, 28-29=-1408/533, 29-30=-1472/578, 7-8=-3900/1162, 5-27=-1477/569, 6-27=-1401/599, 6-27=-1401/599, 6-27=-1401/599, 6-27=-1401/599, 6-27=-1401/599, 6-27=-1401/599, 6-27=-1401/599, 6-27=-1401/599, 6-27=-1401/599, 6-27=-1401/697, 28-29=-1006/3765, 13-14=-179/1049, 12-13=-656/274, 10-11=-1110/368 BOT CHORD 1-12=-252/6/30, 16-17=-405/453, 15-16=-1210/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12=-656/274, 11-12=-656/274, 10-11=-1110/368 WEBS 2-17=-1450/674, 2-16=-874/3372, 6-14=-289/905, 7-14=-67/496, 7-13=-809/3111, 8-13=-444/1649, 8-11=-2280/868, 9-11==-993/420, 3-16=-264/185, 5-15=-588/2508	BCDL	10.0										Weight: 235 lb	FT = 20%
TOP CHORD 2x4 SP No.1 *Except* 13,11:2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied. BOT CHORD 2x4 SP No.3 *Except* 12:2x4 SP No.3 BOT CHORD NEBS 2 dws at 1/3 pts 5-14 WEDGE Right: 2x4 SP No.3 *Except* 10:-43/4-08, (min. 1-08), 11=2382/3-08, (min. 2-13), 17=1329/3-08, (min. 1-08) WEDS 2 dws at 1/3 pts 5-14 Max Horiz 17=220 (LC 15) Max Horiz 17=220 (LC 15), 11=552 (LC 16), 17=-356 (LC 15) Max Grav 10=239 (LC 45), 11=2382 (LC 1), 17=1376 (LC 21) FORCES (b) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-525/190, 2-26=-4240/f1220, 3-28=-4133/1236, 3-4=-4047/1157, 4-5=-3900/1162, 5-27=-1401/599, 6-27=-1401/599, 6-27=-1404/607, 28-29=-1408/653, 29-30=-1472/578, 7-8=-1205/467, 8-9=-604/1820, 9-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-350/1194, 10-31=-360/274, 10-11=-1110/368 BOT CHORD 1-17=-252/607, 16-17=-405/453, 15-16=-120/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12=-656/274, 10-11=-1110/386 BOT CHORD 1-17=-252/607, 16-17=-405/453, 15-16=-120/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12=-656/274, 11-12=-656/274, 10-11=-110/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12=-656/274, 11-12=-903/420, 3-16=-264/185, 5-15=-588/2508, 5-14=-3047/1929 NOTES 10 unbalanced for live loads have been co						PRACIN							
BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.1 BOT CHORD Right: 2x4 SP No.3 *Except* W2,W5:2x4 SP No.2 WEBS Provide the second of the s		2v/ SP No 1 *Ev	nont* T3 T1·2v/ SP N	0.2				Structu	In al woo	d chaath	nina dir	ectly applied	
WEBS 2x4 SP No.3 *Except* W2,W5:2x4 SP No.2 WEBS 2 Rows at 1/3 pts 5-14 WEDGE Right: 2x4 SP No.3 MITek recommends that Stabilizers and required cross bracing installed during truss erection, in accordance with Stabilizer REACTIONS (lb/size) 10=-43/4-08, (min. 1-08), 11=2382/3-08, (min. 2-13), 17=1329/3-08, (min. 1-08), Max Horiz 17=230/3-08, (min. 1-08), 17=1329/3-08, (min. 1-08), Max Horiz 17=220 (LC 15), Max Uplift 10=-43/4-08, (min. 1-08), 11=2382 (LC 1), 17=-1375 (LC 21) FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. 10=-25/51/90, 2-26=-4216/1220, 3-26=-4133/1236, 3-4=-407/1157, 4-5=-3900/1162, 5-27=-1477/569, 6-27=-1401/599, 6-28=-1404/607, 28-29=-1408/593, 29-30=-1472/578, 7-30=-1485/575, 7-8=-1205/467, 8-9=-604/1820, 9-31=-350/1194, 10-31=-360/1163 BOT CHORD 1.17=-252/607, 16-17=-405/453, 15-16=-1210/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12													ina
WEDGE Right: 2x4 SP No.3 MiTek recommends that Stabilizers and required cross bracing installed during truss erection, in accordance with Stabilizer installation guide. FORCES (b) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. Mitek recommends that Stabilizer, and regureer down, and an another, and right exposed; and regureer down, and and regureer down, and and right exposed; and regureer down, and and right exposed; and regureer down, and							OND				plica		ing.
REACTIONS (lb/size) 10=43/4-08, (min. 1-08), 11=2382/3-08, (min. 2-13), 17=1329/3-08, (min. 1-08) installed during truss erection, in accordance with Stabilizer Installed during truss erection, in accordanc											at Sta		ired cross bracing be
Installation guide. Installation guide. Install strestrest Installation guide. <td>REACTIONS (</td> <td>b/size) 10=-43/4</td> <td>-08 (min 1-08) 11=</td> <td>2382/3-08 (min 2-13)</td> <td></td> <td></td> <td></td> <td>installe</td> <td>ed durin</td> <td>a truss e</td> <td>erection</td> <td>n. in accordance</td> <td>with Stabilizer</td>	REACTIONS (b/size) 10=-43/4	-08 (min 1-08) 11=	2382/3-08 (min 2-13)				installe	ed durin	a truss e	erection	n. in accordance	with Stabilizer
Max Horiz 17=220 (LC 15) Max Uplift 10=-195 (LC 21), 11=-552 (LC 16), 17=-356 (LC 15) Max Grav 10=239 (LC 45), 11=2382 (LC 1), 17=-1375 (LC 21) FORCES (b) Max. Comp./Max. Ten All forces 250 (b) or less except when shown. TOP CHORD 1-2=-525/190, 2-26=-4216/1220, 3-26=-4133/1236, 3-4=-4047/1157, 4-5=-3900/1162, 5-27=-1477/569, 6-27=-1401/599, 6-28=-1404/607, 28-29=-1408/593, 29-30=-1472/578, 7-30=-1485/575, 7-8=-1205/467, 8-9=-604/1820, 9-31=-350/1194, 10-31=-360/1163 BOT CHORD 1-7=-252/607, 16-17=-405/453, 15-16=-1210/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12=-656/274, 10-11=-1110/368 WEBS 2-17=-1459/674, 2-16=-874/3372, 6-14=-289/905, 7-14=-67/496, 7-13=-809/311, 8-13=-444/1649, 8-11=-2280/868, 9-11=-993/420, 3-16=-264/185, 3-15=-268/286, 5-15=-588/2508, 5-14=-3047/929 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.33 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.0; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design.	REAGING (I			2002/0-00, (mm. 2-10),								,	
Max Grav 10=239 (LC 45), 11=2382 (LC 1), 17=1375 (LC 21) FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-525/190, 2-26=-4216/1220, 3-26=-4133/1236, 3-4=-4047/1157, 4-5=-3900/1162, 5-27=-1477/569, 6-27=-1401/599, 6-28=-1404/607, 28-29=-1408/593, 29-30=-1472/578, 7-30=-1485/575, 7-8=-1205/467, 8-9=-604/1820, 9-31=-350/1194, 10-31=-360/1163 BOT CHORD 1-17=-252/607, 16-17=-405/453, 15-16=-1210/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12=-656/274, 10-11=-1110/368 WEBS 2-17=-1459/674, 2-16=-874/3372, 6-14=-289/905, 7-14=-67/496, 7-13=-809/311, 8-13=-444/1649, 8-11=-2280/868, 9-11=-993/420, 3-16=-264/185, 3-15=-268/286, 5-15=-588/2508, 5-14=-3047/929 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed ; end vertical left and right exposed ; cof reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design.	N								-				
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-525/190, 2-26=-4216/1220, 3-26=-4133/1236, 3-4=-4047/1157, 4-5=-3900/1162, 5-27=-1477/569, 6-27=-1401/599, 6-28=-1404/607, 28-29=-1408/593, 29-30=-1472/578, 7-30=-1485/575, 7-8=-1205/467, 8-9=-604/1820, 9-31=-350/1194, 10-31=-360/1163 BOT CHORD 1-17=-252/607, 16-17=-405/453, 15-16=-1210/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12=-656/274, 10-11=-1110/368 WEBS 2-17=-1459/674, 2-16=-874/3372, 6-14=-289/905, 7-14=-67/496, 7-13=-809/311, 8-13=-444/1649, 8-11=-2280/868, 9-11=-993/420, 3-16=-264/185, 3-15=-268/286, 5-15=-588/2508, 5-14=-3047/929 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design.	N	1ax Uplift 10=-195	(LC 21), 11=-552 (LC	C 16), 17=-356 (LC 15)									
TOP CHORD 1-2=-525/190, 2-26=-4216/1220, 3-26=-4133/1236, 3-4=-4047/1157, 4-5=-3900/1162, 5-27=-1477/569, 6-27=-1401/599, 6-28=-1404/607, 28-29=-1408/593, 29-30=-1472/578, 7-30=-1485/575, 7-8=-1205/467, 8-9=-604/1820, 9-31=-350/1194, 10-31=-360/1163 BOT CHORD 1-17=-252/607, 16-17=-405/453, 15-16=-1210/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12=-656/274, 10-11=-1110/368 WEBS 2-17=-1459/674, 2-16=-874/3372, 6-14=-289/905, 7-14=-67/496, 7-13=-809/311, 8-13=-444/1649, 8-11=-2280/868, 9-11=-993/420, 3-16=-264/185, 3-15=-268/286, 5-15=-588/2508, 5-14=-3047/929 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed; c-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 3) TCLL: ASCE 7-16; PT=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design.	N	lax Grav 10=239 (LC 45), 11=2382 (LC	1), 17=1375 (LC 21)									
 6-281404/607, 28-29=-1408/593, 29-30=-1472/578, 7-30=-1485/575, 7-8=-1205/467, 8-9=-604/1820, 9-31=-350/1194, 10-31=-360/1163 BOT CHORD	FORCES	(lb) - Max. Cor	np./Max. Ten All for	rces 250 (lb) or less ex	cept when show	'n.							
10-31=-360/1163 BOT CHORD 1-17=-252/607, 16-17=-405/453, 15-16=-1210/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12=-656/274, 10-11=-1110/368 WEBS 2-17=-1459/674, 2-16=-874/3372, 6-14=-289/905, 7-14=-67/496, 7-13=-809/311, 8-13=-444/1649, 8-11=-2280/868, 9-11=-993/420, 3-16=-264/185, 3-15=-268/268, 5-15=-588/2508, 5-14=-3047/929 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design.	TOP CHORD	1-2=-525/190,	2-26=-4216/1220, 3-2	26=-4133/1236, 3-4=-4	047/1157, 4-5=	-3900/1162	, 5-27=-147	7/569, 6-	27=-14	01/599,			
BOT CHORD 1-17=-252/607, 16-17=-405/453, 15-16=-1210/3864, 14-15=-906/3765, 13-14=-179/1049, 12-13=-656/274, 11-12=-656/274, 10-11=-1110/368 WEBS 2-17=-1459/674, 2-16=-874/3372, 6-14=-289/905, 7-14=-67/496, 7-13=-809/311, 8-13=-444/1649, 8-11=-2280/868, 9-11=-993/420, 3-16=-264/185, 3-15=-268/286, 5-15=-588/2508, 5-14=-3047/929 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed; c-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design.				29-30=-1472/578, 7-30)=-1485/575, 7-8	8=-1205/46	7, 8-9=-604	/1820, 9-	31=-35	0/1194,			
 11-12=-656/274, 10-11=-1110/368 WEBS 2-17=-1459/674, 2-16=-874/3372, 6-14=-289/905, 7-14=-67/496, 7-13=-809/311, 8-13=-444/1649, 8-11=-2280/868, 9-11=-993/420, 3-16=-264/185, 3-15=-268/266, 5-15=-588/2508, 5-14=-3047/929 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed; c-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design. 													
 WEBS 2-17=-1459/674, 2-16=-874/3372, 6-14=-289/905, 7-14=-67/496, 7-13=-809/311, 8-13=-444/1649, 8-11=-2280/868, 9-11=-993/420, 3-16=-264/185, 3-15=-268/286, 5-15=-588/2508, 5-14=-3047/929 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; C=0-9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design. 	BOT CHORD			5-16=-1210/3864, 14-15	5=-906/3765, 13	-14=-179/1	049, 12-13=	-656/274	4,				
 9-11=-993/420, 3-16=-264/185, 3-15=-268/286, 5-15=-588/2508, 5-14=-3047/929 NOTES Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; C=0.9; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. 				14- 000/00F 7 14- 6	7/406 7 42- 00	0/244 0 4	2- 444/4640	0 11-	2200/06	0			
 NOTES Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. 	WEDS						5=-444/1048	9, 0-11=	2200/00	о,			
 Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. 	NOTES	5-11550/420	, 0-10-204/100, 0-1	0200/200, 0-10000	/2000, 0-1400	H11525							
 Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. 		d roof live loade be	ve been considered f	or this design									
 Exterior(2E) 0-0-0 to 4-6-0, Interior (1) 4-6-0 to 19-5-8, Exterior(2R) 19-5-8 to 23-11-8, Interior (1) 23-11-8 to 44-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. 					Opef: BCDI =6	Onef: h=25	ft. Cat. II: Ex		locod. N		(onvol	one) exterior zon	e and C-C
 and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. 													
 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design. 									o, ouriai		aa	gin onpocou , on	
4) Unbalanced snow loads have been considered for this design.									te DOL=	:1.15); ls	s=1.0;	Rough Cat C; Fu	Illy Exp.;
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and													
			d tor a live load of 20	.0pst on the bottom ch	ord in all areas v	where a rec	tangle 3-06-	-00 tall b	y 2-00-0	0 wide \	will fit b	between the botto	om chord and
 any other members. Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 			e parallol to grain val		nalo to aroin for	mula Build	ling docigno	r chould	vorify	anacity	ofboor	ing surface	
 Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 552 lb uplift at joint 11, 356 lb uplift at joint 17 and 195 lb uplift at joint 10. 													nt 10
 a) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 													ni, 10.

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	B02	Roof Special	1	1	Job Reference (optional)

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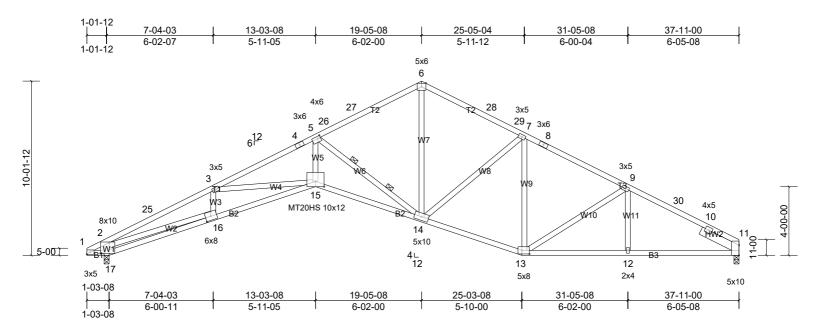


Scale = 1:78.3

Plate Offsets (X,	Y): [2:6-00,7-08], [5:2-00,1-08], [10:1-14	l,1-08], [10:1-02,1-04-0	94], [14:5-04,2-0	8], [16:5-00),3-11], [17:4	-00,2-08	3]				
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 20.8/30.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.97 0.87 0.99	Vert(CT)		(loc) 16-17 16-17 11	l/defl >935 >511 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 236 lb	GRIP 244/190 FT = 20%
M	TOP CHORD BOT CHORD 2x4 SP No.1 *Except* T4:2x4 SP No.2 TOP CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.1 Structural wood sheathing directly applied. Rigid ceiling directly applied or 2-4-13 oc bracing. WEBS 2x4 SP No.3 *Except* W2,W5:2x4 SP No.2 BOT CHORD 2x4 SP No.3 *Except* W2,W5:2x4 SP No.2 BOT CHORD WEBS Rigid ceiling directly applied or 2-4-13 oc bracing. WEDGE Right: 2x4 SP No.3 *Except* W2,W5:2x4 SP No.2 WEBS 2 Rows at 1/3 pts 5-15 WEDGE 10=-160/4-08, (min. 1-08), 11=2323/3-08, (min. 2-12), 18=150/4/3-08, (min. 1-08), (min. 1-08), 11=2323/3-08, (min. 2-12), 18=220 (LC 15) Mit Re recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installed ouring truss erection, in accordance											
TOP CHORD BOT CHORD WEBS	1-2=-600/205, 6-29=-1886/76 10-32=-404/14 1-18=-267/681 12-13=-356/12 3-17=-332/208	2-27=-4933/1458, 3-2 7, 29-30=-1889/753, 39 , 17-18=-412/489, 16 53, 11-12=-1408/436 , 6-15=-431/1333, 7- ⁻	27=-4847)1473, 3-4=-4 30-31=-1954/738, 7-31 -17=-1342/4533, 15-16	864/1445, 4-5=- =-1967/735, 7-8 =-1137/4463, 14 2/220, 8-14=-11	4742/1463 s=-1919/70 4-15=-403/ 5/528, 2-18	6, 8-9=-693/ 1675, 13-14 3=-1640/729	293, 9-3 =-356/12 , 8-12=-1	2=-398/ 253,	1490,			
 Wind: ASC Exterior(2E and right e: 3) TCLL: ASC Ce=0.9; Cs Unbalance * This truss any other n Bearing at 7) Provide me 	E 7-16; Vult=130m) 0-0-0 to 4-6-0, Int xposed;C-C for mei E 7-16; Pr=20.0 ps =1.00; Ct=1.10 d snow loads have has been designe nembers. joint(s) 18 consider ichanical connectio	terior (1) 4-6-0 to 19-5 mbers and forces & M of (roof LL: Lum DOL= been considered for t d for a live load of 20. s parallel to grain valu n (by others) of truss	asd=103mph; TCDL=6 i-8, Exterior(2R) 19-5-8 IWFRS for reactions sl :1.15 Plate DOL=1.15)	B to 23-11-8, Inten nown; Lumber D ; Pg=30.0 psf; P ord in all areas w ngle to grain forr le of withstandin	rior (1) 23 OL=1.60 p f=20.8 psf /here a rec nula. Build g 535 lb u	11-8 to 44-1 late grip DO (Lum DOL= tangle 3-06- ling designer plift at joint 1	1-8 zone L=1.33 I.15 Plat 00 tall by should 1 1, 393 lb	e; cantil e DOL= / 2-00-0 verify ca	ever left 1.15); ls 0 wide v apacity c t joint 18	ànd rig s=1.0; l will fit b of bear 3 and 2	ght éxposed ; end Rough Cat C; Fu between the botto ing surface. 277 lb uplift at joir	d vertical left lly Exp.; m chord and

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	B03	Roof Special	5	1	Job Reference (optional)

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Scale = 1:67.3

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	0.52	15	>853	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.93	15-16	>475	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.58	11	n/a	n/a	1	
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH							1	
BCDL	10.0										Weight: 211 lb	FT = 20%

BRACING

LUMBER

LOWIDER		DRACING	
TOP CHORD	2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x4 SP No.1 *Except* B1:2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W2:2x4 SP No.1, W5,W6:2x4 SP No.2	WEBS	2 Rows at 1/3 pts 5-14
SLIDER	Right 2x6 SP No.2 2-06-00		MiTek recommends that Stabilizers and required cross bracing be
REACTIONS (I	b/size) 11=1498/3-08, (min. 1-12), 17=1595/3-08, (min. 1-08) /lax Horiz 17=234 (LC 15)		installed during truss erection, in accordance with Stabilizer Installation guide.
N	/lax Uplift 11=-385 (LC 16), 17=-416 (LC 15)		
FORCES	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when	n shown.	
TOP CHORD	1-2=-590/204, 2-25=-5317/1406, 3-25=-5232/1426, 3-4=-5340/1316	, 4-5=-5218/1333, 5-26=-2	207/590, 26-27=-2152/599,
	6-27=-2132/620, 6-28=-2134/630, 28-29=-2198/601, 7-29=-2211/59	8, 7-8=-2135/616, 8-9=-22	45/599, 9-30=-2506/624,

 10-30=-2549/610

 BOT CHORD

 1-17=-263/670, 16-17=-421/458, 15-16=-1460/4901, 14-15=-1220/4915, 13-14=-354/2020, 12-13=-449/2172, 11-12=-449/2172

 WEBS
 2-17=-1729/675, 2-16=-1011/4340, 3-16=-372/201, 5-15=-769/3207, 5-14=-3627/1106, 6-14=-333/1540, 7-14=-211/312, 12-1449/2172

VEBS 2-17=-1729/675, 2-16=-1011/4340, 3-16=-372/201, 5-15=-769/3207, 5-14=-3627/1106, 6-14=-333/1540, 7-14=-211/312, 7-13=-343/137, 9-13=-317/224

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 3-9-9, Interior (1) 3-9-9 to 19-5-8, Exterior(2R) 19-5-8 to 23-3-1, Interior (1) 23-3-1 to 37-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.;

Ce=0.9; Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

5) All plates are MT20 plates unless otherwise indicated.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

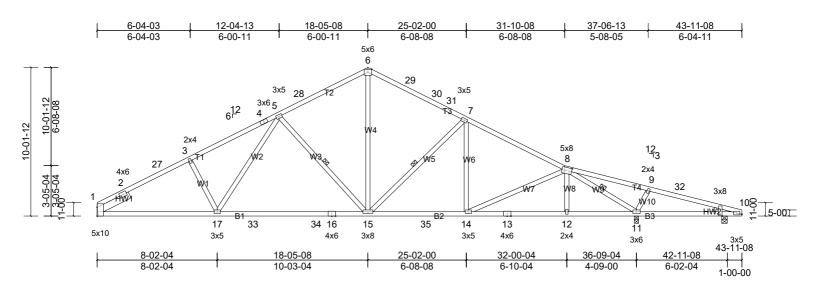
7) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 385 lb uplift at joint 11 and 416 lb uplift at joint 17.

9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	B04	Roof Special	6	1	Job Reference (optional)

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Scale = 1:78.9

Plate Offsets (X,	, Y): [1:7-01,Edge],	[8:5-12,2-08], [10:1-1	1,0-07], [10:1-02,1-04-	04]								
Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.45	15-17	>985	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.79	15-17	>562	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.10	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH		1						
BCDL	10.0										Weight: 237 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD	2x4 SP No.1	ept* T1:2x4 SP 2400	0F 2.0E		BRACIN TOP CH BOT CH	ORD	Rigid c	eiling di	rectly ap		ectly applied. or 2-2-0 oc bracin	0
WEBS											5-15, 7-15, 8-1	
WEDGE	INTER recommends that stabilizers and required closs bracing be											
SLIDER REACTIONS (I			08), 10=111/4-08, (min.					ed during ation qui		erection	n, in accordance	with Stabilizer
M N FORCES) Aax Grav 1=1616 (اb) - Max. Con	LC 15), 10=-104 (LC LC 5), 10=280 (LC 4 np./Max. Ten All for	rces 250 (lb) or less exe				700 0 00		700			
TOP CHORD			8-4=-2915/860, 4-5=-28 8, 7-31=-2115/694, 7-8=									
BOT CHORD	1-17=-636/257	7, 17-33=-474/2203,	33-34=-474/2203, 16-3	34=-474/2203, 1	5-16=-474	2203, 15-35						
			2, 12-13=-463/2112, 11					1000				
WEBS	3-17=-192/259 9-11=-562/260		5=-773/399, 6-15=-384	/1444, 7-15=-70	05/364, 7-1	4=0/253, 8-1	1=-3454	/888,				
NOTES	9-11302/200											
	d roof live loads ba	ve been considered f	or this dosign									
			asd=103mph; TCDL=6	Opsf: BCDI =6	0nsf: h=25	ft Cat II Ex	n C [.] Enc	losed. M	WFRS	(envel	one) exterior zon	e and C-C
			8-5-8, Exterior(2R) 18-									
and right e	xposed;C-C for me	mbers and forces & N	MWFRS for reactions sl	hown; Lumber D	DOL=1.60 p	late grip DC	L=1.33	,			0	
		sf (roof LL: Lum DOL:	=1.15 Plate DOL=1.15)	; Pg=30.0 psf; F	of=20.8 psf	(Lum DOL=	1.15 Plat	te DOL=	1.15); Is	s=1.0;	Rough Cat C; Fu	lly Exp.;
	s=1.00; Ct=1.10											
		been considered for					00 4-11 1		0			we also and a seal
	s has been designe members, with BCD		.0psf on the bottom cho	ora in all areas v	where a rec	cangle 3-06-	-UU tali b	y 2-00-0	U WIDE V	will tit b	between the botto	om chora and

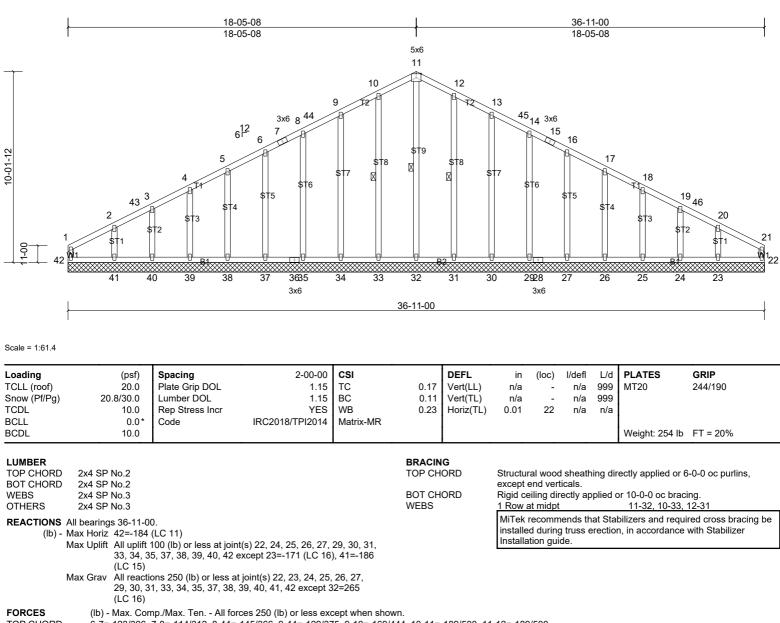
any other members, with BCDL = 10.0psf. Refer to girder(s) for truss to truss connections. 6)

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 376 lb uplift at joint 1, 539 lb uplift at joint 11 and 104 lb uplift at joint 10. This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 7)

8)

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	C01	Common Supported Gable	1	1	Job Reference (optional)

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TOP CHORD 6-7=-123/306, 7-8=-114/312, 8-44=-145/366, 9-44=-129/375, 9-10=-169/444, 10-11=-189/500, 11-12=-189/500,

12-13=-169/444, 13-45=-129/375, 14-45=-145/366, 14-15=-114/312, 15-16=-123/306 WEBS 11-32=-333/78

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-1-12 to 3-9-11, Exterior(2N) 3-9-11 to 18-5-8, Corner(3R) 18-5-8 to 22-1-7, Exterior(2N) 22-1-7 to 36-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

5) Unbalanced snow loads have been considered for this design.

6) All plates are 2x4 MT20 unless otherwise indicated.

7) Gable requires continuous bottom chord bearing

8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

9) Gable studs spaced at 2-0-0 oc.

10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

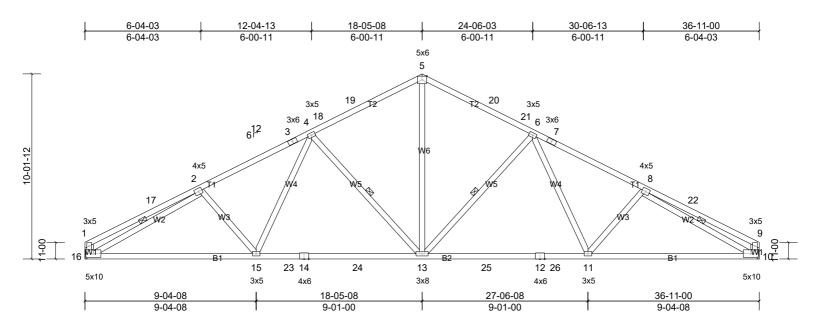
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 42, 22, 33, 34, 35, 37, 38, 39, 40, 31, 30, 29, 27, 26, 25, 24 except (jt=lb) 41=186, 23=170.

12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-В	C02	Common	10	1	Job Reference (optional)

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Scale = 1:63.4

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.25	13-15	>999	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.42	13-15	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.11	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 215 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.1 WEBS 2x4 SP No.3 *Except* W1:2x6 SP No.2 REACTIONS (lb/size) 10=1487/ Mechanical, (min. 1-08), 16=1487/ Mechanical, (min.	BRACING TOP CHORD BOT CHORD WEBS	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals. Rigid ceiling directly applied or 7-7-12 oc bracing. 1 Row at midpt 6-13, 4-13, 2-16, 8-10
1-08) Max Horiz 16=-185 (LC 13) Max Uplift 10=-381 (LC 16), 16=-381 (LC 15) Max Grav 10=1628 (LC 4), 16=1628 (LC 4)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when sł TOP CHORD 1-17=-610/160, 2-17=-527/177, 2-3=-2924/597, 3-4=-2797/627, 4-18=- 5-20=-2100/571, 20-21=-2121/551, 6-21=-2176/541, 6-7=-2797/627, 7-1 1-16=-437/182, 9-10=-437/182	-2176/541, 18-19=-2121/	
BOT CHORD 15-16=-655/2008, 15-23=-449/2292, 14-23=-449/2292, 14-24=-449/2292 12-25=-356/2291, 12-26=-356/2291, 11-26=-356/2291, 10-11=-494/260 WEBS 5-13=-284/1513, 6-13=-766/381, 6-11=-90/528, 8-11=-185/264, 4-13=-	05	

NOTES

1) Unbalanced roof live loads have been considered for this design.

2-16=-2519/485, 8-10=-2519/484

Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 3-10-11, Interior (1) 3-10-11 to 18-5-8, Exterior(2R) 18-5-8 to 22-1-7, Interior (1) 22-1-7 to 36-8-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

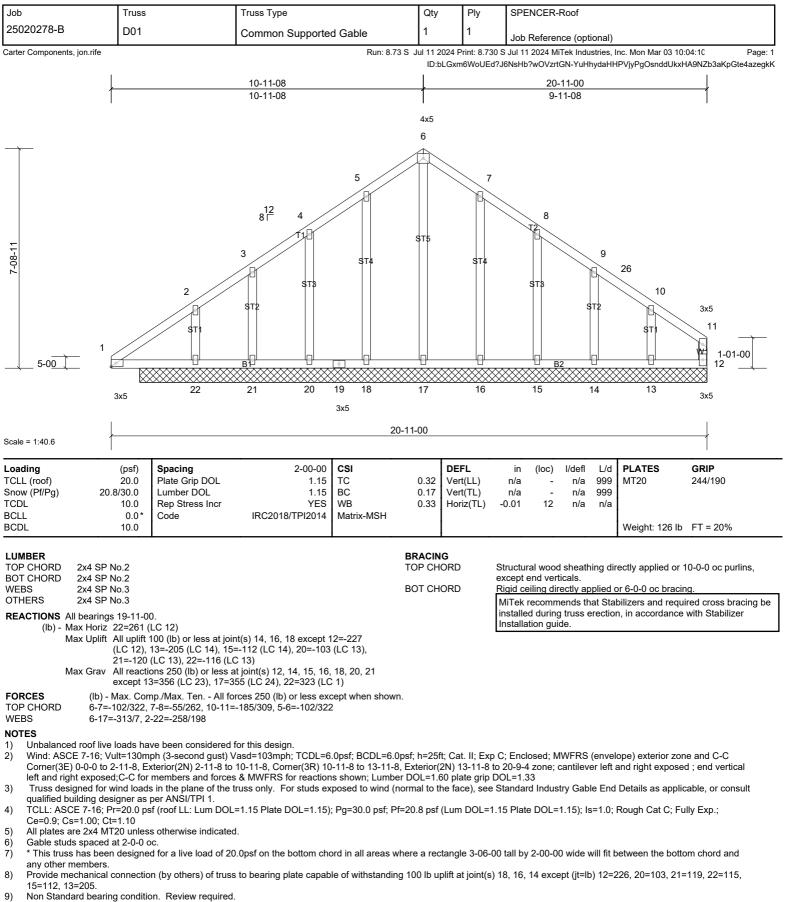
4) Unbalanced snow loads have been considered for this design.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

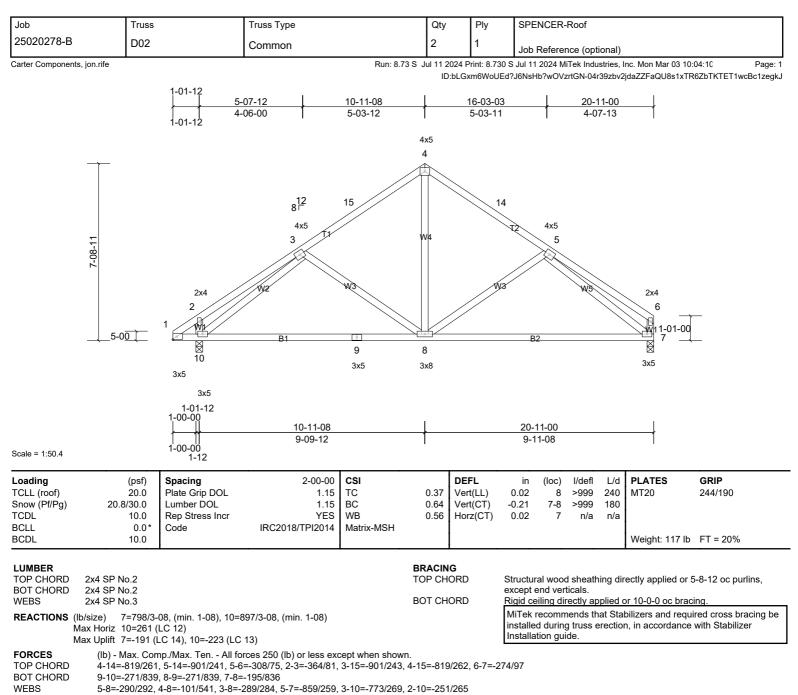
6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 381 lb uplift at joint 16 and 381 lb uplift at joint 10.

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



NOTES

1) Unbalanced roof live loads have been considered for this design.

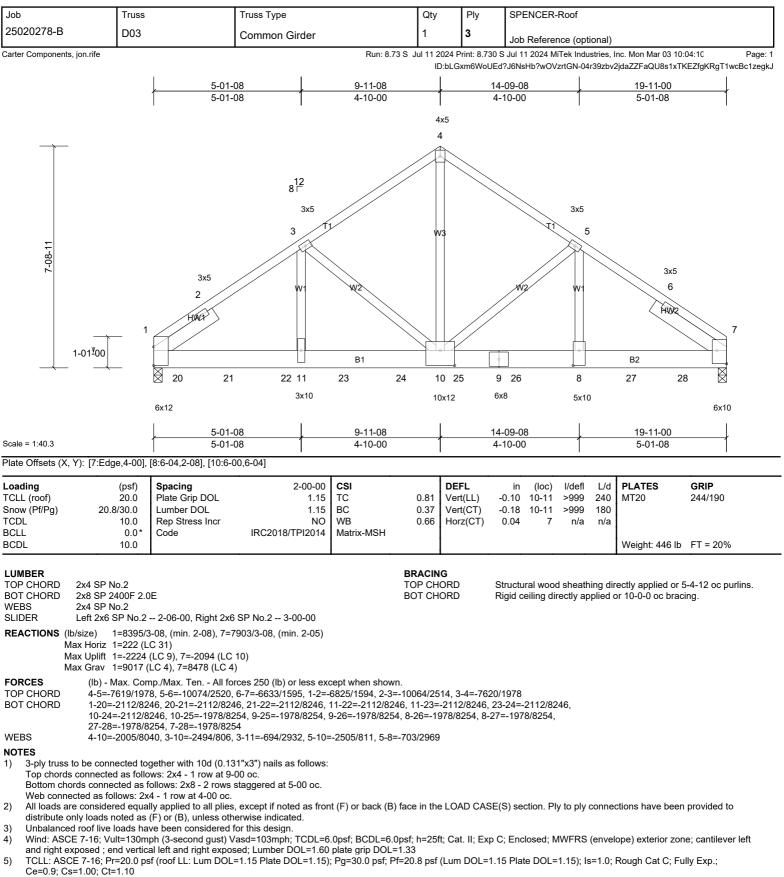
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 10-11-8, Exterior(2R) 10-11-8 to 13-11-8, Interior (1) 13-11-8 to 20-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9: Cs=1.00; Ct=1.10

4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 7 and 223 lb uplift at joint 10.

6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2094 lb uplift at joint 7 and 2224 lb uplift at joint 1.

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1609 lb down and 392 lb up at 0-10-0, 1608 lb down and 393 lb up at 2-7-4, 1608 lb down and 393 lb up at 4-7-4, 1608 lb down and 393 lb up at 6-7-4, 1608 lb down and 393 lb up at 8-7-4, 1608 lb down and 393 lb up at 10-7-4, 1608 lb down and 393 lb up at 10-7-4, 1608 lb down and 393 lb up at 12-7-4, 1608

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	D03	Common Girder	1	3	Job Reference (optional)

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Uniform Loads (lb/ft)

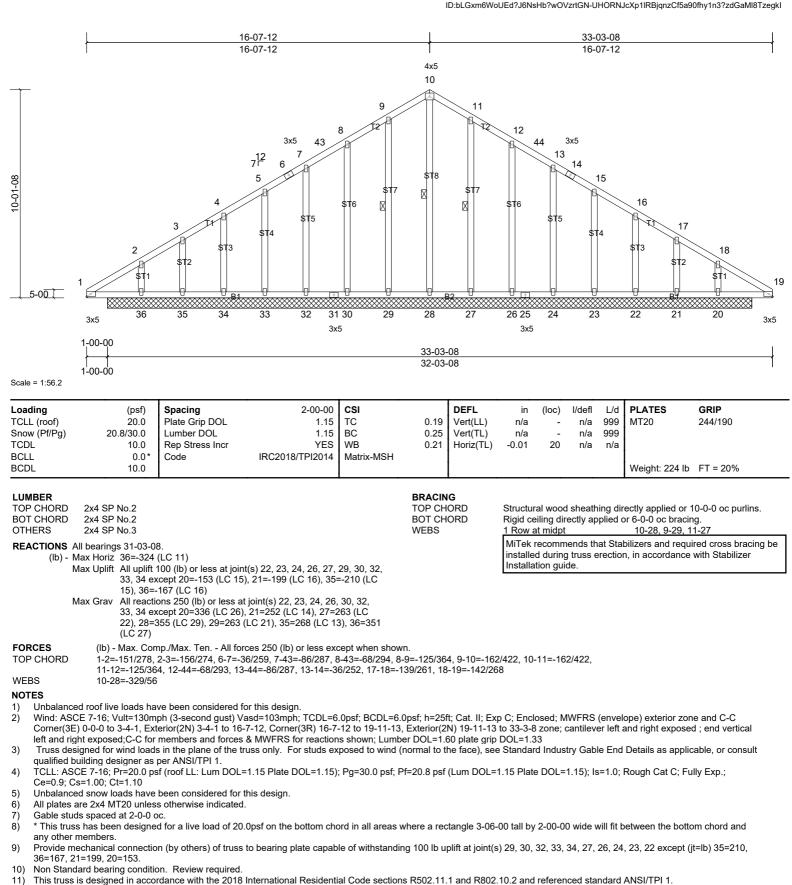
Vert: 4-7=-62, 1-4=-62, 12-16=-20

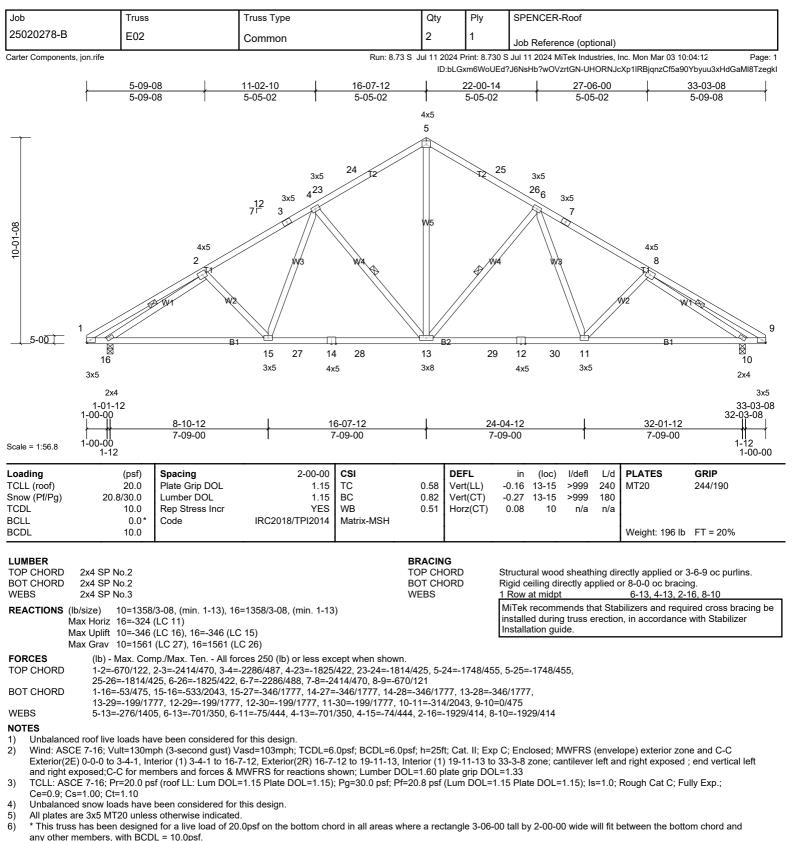
Concentrated Loads (lb) Vert: 8=-1467, 20=-1469, 21=-1467, 22=-1467, 23=-1467, 24=-1467, 25=-1467, 26=-1467, 27=-1467, 28=-1467

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	E01	Common Supported Gable	1	1	Job Reference (optional)

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Carter Components, jon.rife
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7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 346 lb uplift at joint 16 and 346 lb uplift at joint 10.

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	E03	Common Girder	1	3	Job Reference (optional)

19-04-14

3-09-02

15-07-12

3-09-02

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4-02-09

4-02-09

8-00-09

3-10-01

11-10-10

3-10-01

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27-00-15

3-10-00

31-03-08

4-02-09

23-02-15

3-10-00

5x6 6 7¹² 4x8 4x8 5 7 3x5 3x6 21 22 3x6 3x5 8 4 3 9 0-01-08 3x5 3x5 2 10 5x10 5x10 90 W. 6 1-00-00 B1 В B2 B2 ₿ <mark>2</mark>≩0 ĕ 1288 24 19 25 26 18 27 28 17 29 30 16 31 32 15 33 3414 35 3613 37 8x12 6x8 6x8 10x12 6x8 8x10 6x8 8x12 8x10 -0 31-03-08 4-02-09 30-06-04 8-00-09 11-10-10 15-07-12 19-04-14 23-02-15 27-00-15 3-05-05 3-10-01 3-10-01 3-09-02 3-09-02 3-10-00 3-10-00 3-05-05 -04 Scale = 1:57 Plate Offsets (X, Y): [1:4-08,2-08], [11:4-08,2-08], [12:4-12,0-06], [13:3-08,2-12], [14:3-08,5-00], [15:3-08,3-12], [16:6-00,6-00], [17:3-08,3-12], [18:3-08,5-00], [19:3-08,2-12], [20:4-12,0-06] DEFL Loading (psf) Spacing 2-00-00 CSI in (loc) I/defl L/d PLATES GRIP TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.79 Vert(LL) -0.21 17 >999 240 **MT20** 244/190 Snow (Pf/Pg) 20.8/30.0 Lumber DOL 1.15 BC 0.38 Vert(CT) -0.38 17 >956 180 Rep Stress Incr WB TCDL 10.0 NO 0.87 Horz(CT) 0.07 12 n/a n/a IRC2018/TPI2014 BCLL 0.0 Code Matrix-MSH Weight: 827 lb FT = 20% BCDL 10.0 LUMBER BRACING TOP CHORD TOP CHORD 2x4 SP No.2 Sheathed or 4-6-6 oc purlins. 2x8 SP 2400F 2.0E *Except* B1:2x10 SP 2400F 2.0E BOT CHORD BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.2 *Except* W8:2x4 SP No.1 WFBS 12=13070/3-08, (min. 1-08), 20=12870/3-08, (min. 1-08) **REACTIONS** (lb/size) Max Horiz 20=-297 (LC 9) Max Uplift 12=-3471 (LC 12), 20=-3405 (LC 11) Max Grav 12=14038 (LC 6), 20=13792 (LC 5) FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-2=-17052/4217, 2-3=-17266/4311, 3-4=-15044/3775, 4-21=-14983/3785, 5-21=-14977/3796, 5-6=-12613/3264, TOP CHORD 6-7=-12613/3264, 7-22=-14958/3794, 8-22=-14963/3782, 8-9=-15024/3773, 9-10=-17292/4323, 10-11=-17145/4247 BOT CHORD 20-23=-1223/4218, 23-24=-1223/4218, 19-24=-1223/4218, 19-25=-3771/14654, 25-26=-3771/14654, 18-26=-3771/14654, 18-27=-3742/14896, 27-28=-3742/14896, 17-28=-3742/14896, 17-29=-3177/12942, 29-30=-3177/12942, 16-30=-3177/12942, 16-31=-3078/12925, 31-32=-3078/12925, 15-32=-3078/12925, 15-33=-3565/14918, 33-34=-3565/14918, 14-34=-3565/14918, 14-35=-3596/14733, 35-36=-3596/14733, 13-36=-3596/14733, 13-37=-1056/4241, 37-38=-1056/4241, 12-38=-1056/4241, 1-20=-10788/2705, 11-12=-10836/2718 1-19=-2596/10689, 11-13=-2588/10694, 2-19=-441/167, 2-18=-124/360, 3-18=-869/3544, 3-17=-3303/956, WEBS 5-17=-1305/5153, 5-16=-4645/1315, 6-16=-3146/12398, 7-16=-4607/1310, 7-15=-1299/5109, 9-15=-3370/977, 9-14=-892/3621, 10-14=-104/286, 10-13=-371/146 NOTES 3-ply truss to be connected together with Simpson SDS 1/4 x 4-1/2 screws as follows: 1) Top chords connected as follows: 2x4 - 1 row at 9-00 oc. Bottom chords connected as follows: 2x8 - 2 rows staggered at 6-00 oc, 2x10 - 2 rows staggered at 9-00 oc. Web connected as follows: 2x4 - 1 row at 9-00 oc. 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated. 3) Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left 4) and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; 5) Ce=0.9: Cs=1.00: Ct=1.10 Unbalanced snow loads have been considered for this design. 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 7) any other members 8) Bearing at joint(s) 20, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3405 lb uplift at joint 20 and 3471 lb uplift at joint 12. 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof	
25020278-B	E03	Common Girder	1	3	Job Reference (optional)	
Carter Components, jon.rife		Run: 8.73 S J	ul 11 2024 P	rint: 8.730 S	Jul 11 2024 MiTek Industries, Inc. Mon Mar 03 10:04:12	Page: 2

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11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1597 lb down and 388 lb up at 0-10-12, 1596 lb down and 388 lb up at 2-10-12, 1596 lb down and 388 lb up at 4-10-12, 1596 lb down and 388 lb up at 6-10-12, 1596 lb down and 388 lb up at 8-10-12, 1596 lb down and 388 lb up at 10-10-12, 1608 lb down and 393 lb up at 12-10-12, 1608 lb down and 393 lb up at 12-10-12, 1608 lb down and 393 lb up at 14-8-4, 1608 lb down and 393 lb up at 16-8-4, 1608 lb down and 393 lb up at 18-8-4, 1608 lb down and 393 lb up at 20-8-4, 1608 lb down and 393 lb up at 22-8-4, 1608 lb down and 393 lb up at 24-8-4, 1608 lb down and 393 lb up at 26-8-4, and 1608 lb down and 393 lb up at 28-8-4, and 1609 lb down and 392 lb up at 30-5-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 1)

Uniform Loads (lb/ft)

Vert: 1-6=-62, 6-11=-62, 12-20=-20

Concentrated Loads (lb)

Vert: 23=-1464, 24=-1463, 25=-1463, 26=-1463, 27=-1463, 28=-1463, 29=-1467, 30=-1467, 31=-1467, 32=-1467, 33=-1467, 34=-1467, 35=-1467, 36=-1467, 37=-1467, 38=-1469

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	V1	Valley	1	1	Job Reference (optional)

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28-06-01 14-03-01 28-00-02 14-03-01 13-09-02 4x5 5 6 4 23 24 8-00-05 8-04-00 3 7 \$T3 \$13 ²⁹25 22²⁸ \$T2 _12 7Г 2 8 \$ 1 0-04 17 16 26 15 14 13 12 27 11 10 3x5 3x5 3x5 28-06-01

Scale = 1:51

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.27	Horiz(TL)	0.01	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 129 lb	FT = 20%

	BRACINIC	
LUMBER TOP CHORD 2x4 SP No.2	BRACING TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	BOT ONORD	MiTek recommends that Stabilizers and required cross bracing be
		installed during truss erection, in accordance with Stabilizer
REACTIONS All bearings 28-06-15.		Installation guide.
(lb) - Max Horiz 1=-273 (LC 11)		installation guide.
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 9 except 10=-132 (LC 16),		
11=-189 (LC 16), 12=-198 (LC 16), 15=-199 (LC 15), 16=-188		
(LC 15), 17=-136 (LC 15)		
Max Grav All reactions 250 (lb) or less at joint(s) 1, 9 except 10=354 (LC 27), 11=447 (LC 27), 12=520 (LC 6), 13=418 (LC 29), 15=520		
(LC 5), 16=446 (LC 26), 17=358 (LC 26)		
FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when s	shown.	
TOP CHORD 1-2=-252/219, 4-5=-191/266, 5-6=-191/262		
WEBS 4-15=-396/246, 3-16=-323/235, 2-17=-279/195, 6-12=-396/246, 7-11=	-323/236, 8-10=-279/193	
NOTES		
 Unbalanced roof live loads have been considered for this design. 		
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCD	L=6.0psf; h=25ft; Cat. II; E	Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C
Corner(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 14-3-7, Corner(3R) 14-3-7 to 17-3-7,	Exterior(2N) 17-3-7 to 28	-6-15 zone; cantilever left and right exposed ; end vertical left and
right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber I	DOL=1.60 plate grip DOL=	=1.33
 TCLL: ASCE 7-16: Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15): Pg=30.0 r 	osf: Pf=20.8 psf (Lum DOL	=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.;

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

5) All plates are 2x4 MT20 unless otherwise indicated.

6) Gable requires continuous bottom chord bearing.

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9 except (jt=lb) 15=198, 16=188, 17=136, 12=198, 11=189, 10=131.

9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 9.

10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss		Truss Type		Qty	Ply		SPENCE	R-Roo	f			
25020278-B	V2		Valley		1	1		Job Refe	rence	(optio	nal)		
Carter Components, jo	on.rife			Run: 8.73 S				6 Jul 11 2024	MiTek	Indust	ries, li	nc. Mon Mar 03 10: v702AYLfKCoBne8	04:14 Pag 2A3GGKH3yYaPloze
					10.02		o Lui		2.10.1	uo ru i		,, , , , , , , , , , , , , , , , , , , ,	
	1		12-06-07		1					24-0	7-00		25-00
	ſ		12-06-07		ľ					12-0			1 5-15
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					4								
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							\geq						
				3				\searrow	5				
- u			19 T	P	ST	3		<u> </u>		20			
7-00-05					Ţ.					\geq			
			2	ST2				ST	2			6	
		18 ²²	Ħ									The second secon	21
	12 7∟		ST1									ST1	\searrow
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→ 0-0 4	<u>∽</u>	******			×××××××××××××××××××××××××××××××××××××××	****	***	×××××××××××××××××××××××××××××××××××××××	****		32 XXX		
	Зх	5	13	12 11 3x5	10			9				8	3x5
		.0		5,5	25-00	15							5,5
	1				23-00	-15							~
icale = 1:45.8													
.oading	(psf)	Spacing	2-00-00	CSI)EFL		in (loc	<i>'</i>		L/d	PLATES	GRIP
CLL (roof) Snow (Pf/Pg)	20.0 20.8/30.0	Plate Grip DOL Lumber DOL	1.15 1.15	TC BC	0.20	/ert(LL) /ert(TL)		n/a n/a	- r		999 999	MT20	244/190
FCDL BCLL	10.0 0.0*	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-MSH	0.30	loriz(TL))	0.01	7 r	n/a	n/a		
SCDL	10.0						-	-				Weight: 108 lb	FT = 20%
LUMBER					RACING								
	x4 SP No.2 x4 SP No.2				OP CHOI OT CHOI							ectly applied or 1 or 6-0-0 oc bracin	10-0-0 oc purlins. ng.
	x4 SP No.3	2										bilizers and requi	ired cross bracing l with Stabilizer
	: Horiz 1=-239 (L	_C 11)						nstallation g		00 01	ootioi		
Max			nt(s) 1 except 8=-204 (L 15), 13=-206 (LC 15)	_C 16),									
Max	27), 9=46		at joint(s) 1, 7 except 8= .C 26), 12=468 (LC 5), 7										
FORCES	26) (lb) - Max, Com	n /Max Ten - All fo	rces 250 (lb) or less ex	cent when shown									
FOP CHORD	2-22=-181/286			•									
NEBS I OTES	4-10=-323/0, 3	-12=-390/247, 2-13=	349/232, 5-9=-390/24	7, 6-8=-349/231									
		ve been considered	for this design. /asd=103mph; TCDL=6	Onsf: BCDI =6 Onsf	h=25ft	Cat II: E	vn C	Enclosed		RS (e	nvel	one) exterior zor	e and C-C
Corner(3E) 0-	-0-0 to 3-0-0, Ext	erior(2N) 3-0-0 to 12	2-6-14, Corner(3R) 12-6 s & MWFRS for reaction	-14 to 15-6-14, Exte	rior(2N)	5-6-14 t	o 25	-1-13 zone;					
B) TCLL: ASCE	7-16; Pr=20.0 ps		=1.15 Plate DOL=1.15)						L=1.15	5); Is=	:1.0; I	Rough Cat C; Fu	lly Exp.;
	snow loads have	been considered for											
		s otherwise indicate tom chord bearing.	d.										
) * This truss h		d for a live load of 20	0.0psf on the bottom ch	ord in all areas wher	re a recta	ngle 3-00	6-00	tall by 2-00	-00 wi	de wi	ll fit b	etween the bottc	om chord and
 Provide mech 	nanical connectio	n (by others) of trus	s to bearing plate capat		00 lb upli [.]	t at joint	(s) 1	except (jt=	lb) 12=	=193,	13=2	205, 9=193, 8=20)3.
			ing surface with truss cl International Resident		502 11 1	and R80	2 10	2 and refer	enced	stan	dard	ANSI/TPI 1	

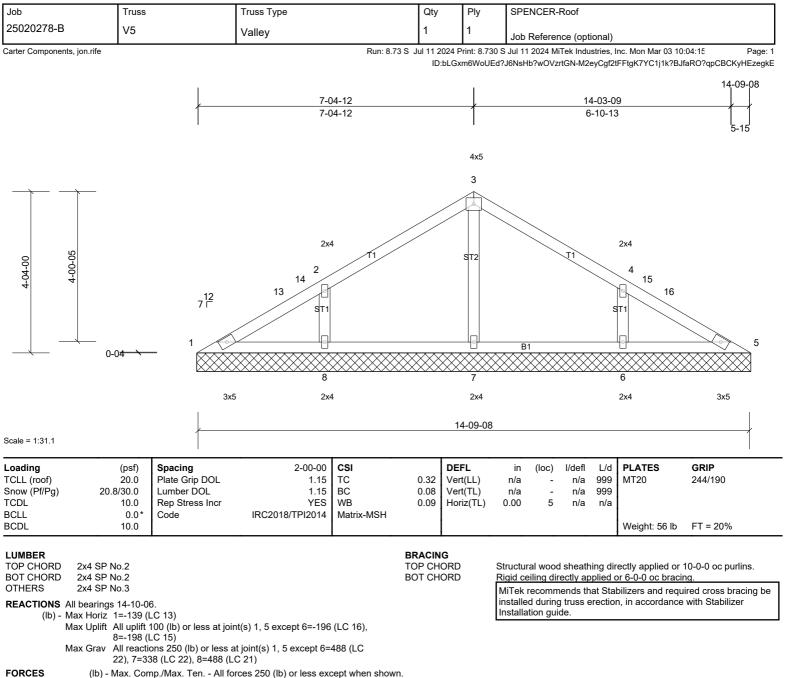
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss		Truss Type		Qty	Ply		SPENC	ER-R	oof				
25020278-B	V3		Valley		1	1								
Carter Components, jon.			valley	Dum 0.7		24 Duint: 0	720.0			e (option	,	ic. Mon Mar 03 10	04.14	Dene: 1
aner Components, jon.			10 00 14	Kuii. o. <i>1</i>						GN-us4a?ŀ	KeP6y	/702AYLfKCoBne	32A4kGMU3yYal	Page: 1 PlozegkF -07-13
	Ł		<u> </u>			1				<u>21-0</u> 10-0				+
						4x5 4								5-15
+0-0 6-00-05 6-00-05	7 ¹ → 1	STI		3 T1 ST2		ST3			s		19	ST ST	6	
		13		11		10			ę	9		8		_
	1	3x5	3x5										3х	5
Scale = 1:40.6	-				21-	07-13								
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 20.0 20.8/30.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.31 0.17	DEFL Vert(LL) Vert(TL) Horiz(TL)		in (Ic n/a n/a).00	rc) - - 7	n/a 9 n/a 9		PLATES MT20	GRIP 244/190	
BCDL	10.0						_					Weight: 90 lb	FT = 20%	
BOT CHORD 2x4 OTHERS 2x4 REACTIONS All bea (lb) - Max H Max U	loriz 1=206 (L Iplift All uplift 2 9=-207 (L	C 12) 100 (lb) or less at join _C 16), 11=-207 (LC	t(s) 1 except 8=-150 (L 15), 13=-152 (LC 15) i joint(s) 1, 7 except 8=		BRACING TOP CHO BOT CHO	RD	Rig M in	gid ceiling iTek reco	<u>a dire</u> mme iring f	<u>ctly appli</u> nds that truss ere	ied or Stab	ectly applied or r <u>6-0-0 oc braci</u> ilizers and requ , in accordance	ng. ired cross brac	ing be
FORCES	27), 9=49 26) (Ib) - Max. Con	96 (LC 6), 10=418 (L0	C 26), 11=496 (LC 5), 1	I3=379 (LC cept when show	n.									
WEBS : NOTES	3-11=-404/257	, 2-13=-281/209, 5-9	=-404/256, 6-8=-281/20	09										
 Unbalanced roc Wind: ASCE 7- Corner(3E) 0-0- left and right ex TCLL: ASCE 7- Ce=0.9; Cs=1.0 Unbalanced sn All plates are 25 Gable requires 	16; Vult=130m 0 to 2-10-5, Ep posed;C-C for 16; Pr=20.0 ps 10; Ct=1.10 bw loads have (4 MT20 unless continuous bot	kterior(2N) 2-10-5 to members and forces f (roof LL: Lum DOL: been considered for s otherwise indicated tom chord bearing.	asd=103mph; TCDL=6 10-10-5, Corner(3R) 10 & MWFRS for reactior =1.15 Plate DOL=1.15) this design.)-10-5 to 13-10-5 hs shown; Lumbo ; Pg=30.0 psf; P	5, Exterior(21 er DOL=1.60 lf=20.8 psf (I	N) 13-10-) plate gri ₋um DOL:	5 to 2 p DO =1.15	21-8-10 zo L=1.33 5 Plate DC	one; o DL=1.	antilevei 15); Is=1	r left : 1.0; R	and right expos Rough Cat C; Fu	ed ; end vertic: ılly Exp.;	al
any other meml 8) Provide mechai	pers, with BCD	L = 10.0psf. n (by others) of truss	Opsf on the bottom cho to bearing plate capab ng surface with truss ch	le of withstandir	ng 100 lb upl	-		-						

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 11=207, 13=152, 9=207, 8
 Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 7.
 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss		Truss Type		Qty	Ply	SPE	NCER-F	Roof				
25020278-B	V4		Valley		1	1	Job F	Reference	ce (optio	onal)			
arter Components, jon.r	ife			Run: 8.73			30 S Jul 11	2024 MiT	ek Indus	stries, I	nc. Mon Mar 03 10		Page:
					IL	D:DLGXM6VVO	UEC (JONSF	1D?WUVZ	rtGN-us4	arker	%9702AYLfKCoBn	eolaszglisyi	raPiozegi
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		I				I							5-15
						4x5							
						3							
\rightarrow \rightarrow													
			,						~				
			4	2x4				\searrow		2x4			
-02			2	T1		ST2			J1	4			
5-00-05			15	7					Ì		16		
			18 14								17		
		12 7 ⊏	s	T1					SI	F1		\[
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				<u> </u>		$\xrightarrow{7}$			\times	<u> </u>			
		3x5		2x4 3x5		2x4				2x4		3	x5
		I											
		·				18-02-10							
ale = 1:35.3													
bading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
CLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
now (Pf/Pg) CDL	20.8/30.0 10.0	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.22 0.20	Vert(TL) Horiz(TL)	n/a 0.00	- 5	n/a n/a	999 n/a			
CLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH									
DL	10.0					8					Weight: 71 lb	FT = 20%	
JMBER					BRACIN	G							
	SP No.2				TOP CH						ectly applied or		rlins.
	SP No.2 SP No.3				BOT CH	URD					or 6-0-0 oc braci pilizers and requ		acing h
EACTIONS All bea	arings 18-03-08	8.					installed	d during	truss ei		n, in accordance		0
	oriz 1=-172 (L		nt(s) 1, 5, 7 except 6=-2	47 (1 0			Installat	ion guid	e.				
Max U		49 (LC 15)	fit(s) 1, 5, 7 except 6=-2	47 (LC									
Max G		ons 250 (lb) or less : 38 (LC 1), 9=576 (LC	at joint(s) 1, 5 except 6=	576 (LC									
DRCES (. ,, .	orces 250 (lb) or less ex	cept when shown	1.								
		, ,	5-18=-141/282, 2-15=-1	34/323, 4-16=-12	27/305								
EBS 3 DTES	3-7=-404/110,2	2-9=-445/313, 4-6=-	445/313										
	f live loads hav	ve been considered	for this design.										
			/asd=103mph; TCDL=6 1-12, Corner(3R) 9-1-12										4
			MWFRS for reactions sl					; cantile	verien	and n	gni exposed ; e	no ventical lei	L
TCLL: ASCE 7-	16; Pr=20.0 ps		=1.15 Plate DOL=1.15)					DOL=1	.15); Is:	=1.0;	Rough Cat C; Fi	ully Exp.;	
Ce=0.9; Cs=1.0 Unbalanced sno		been considered for	this design.										
Gable requires of	continuous bot	tom chord bearing.	-	and in all arrest	hore a	tongle 0.00		2 00 00	. مامار		otwaan the bar	om ohor-l -	ч
* This truss has any other memb			0.0psf on the bottom cho	oru in all areas Wi	nere a rec	angle 3-06	-oo tali by	∠-00-00	wide W	nii iit D		un chora and	1
Provide mechan	nical connection	n (by others) of trus	s to bearing plate capab	le of withstanding	g 100 lb up	olift at joint(s	s) 1, 5, 7 e	xcept (jt	=lb) 9=	248, 6	=247.		

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 9=248, 6=247.
 Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 5.
 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



3-7=-266/85, 2-8=-400/301, 4-6=-400/301 WEBS

NOTES

1) Unbalanced roof live loads have been considered for this design.

Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C 2) Corner(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 7-5-3, Corner(3R) 7-5-3 to 10-5-3, Exterior(2N) 10-5-3 to 14-10-6 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; 3) Ce=0.9; Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been considered for this design

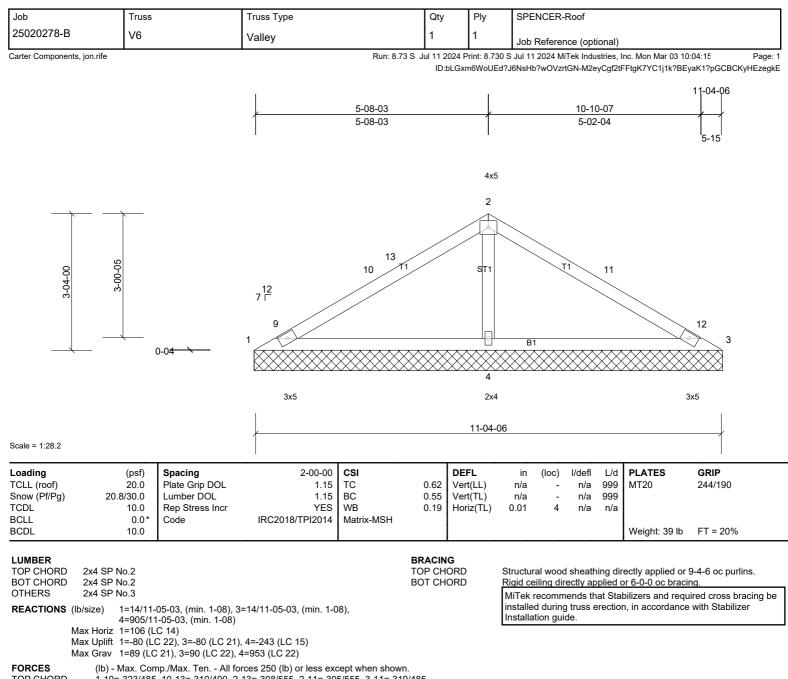
Gable requires continuous bottom chord bearing. 5)

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 6) any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=197, 6=196. 7

8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 5.

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 9)



- TOP CHORD 1-10=-323/485, 10-13=-310/490, 2-13=-308/555, 2-11=-305/555, 3-11=-319/485
- BOT CHORD 1-4=-468/403, 3-4=-468/403 2-4=-880/594
- WEBS

NOTES

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C 2) Corner(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 5-8-10, Corner(3R) 5-8-10 to 8-8-10, Exterior(2N) 8-8-10 to 11-5-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; 3) Ce=0.9; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.

Gable requires continuous bottom chord bearing. 5)

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 6) any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 1, 80 lb uplift at joint 3 and 243 lb uplift at joint 4.

Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 3. 8)

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 9)

Standard LOAD CASE(S)

Job	Truss		Truss Type		Qty	Ply	SPE	NCER-	Roof			
25020278-B	V7		Valley		1	1		D (. n		
arter Components, ion rife				Pup: 8.7		24 Drint: 8 7		Referer			Inc. Mon Mar 03 10	:04:16 Pag
arter Components, jon.rife				Run: 8.73								:04:16 Pag JizjAkHcMQs3Wpgze
			I				1				7-11	-03
				3_	11-10				7-05-	04		
			/		11-10				3-05-		5-1	5
							4x5					
		<u></u>				11 _	2					
					9	//		1(0			
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2-04-00	2-(, ,	/						\backslash		
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							Δ	\times		\times		\boxtimes
				3x5			- 2x4				3x5	
			I									I
						7	-11-03					
scale = 1:24												\rightarrow
Cale - 1.24												
oading	(psf)	Spacing	2-00-00	CSI		DEFL	in r/s	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof) Snow (Pf/Pg) 20.	20.0 8/30.0	Plate Grip DOL Lumber DOL	1.15 1.15	TC BC		Vert(LL) Vert(TL)	n/a n/a	-	n/a n/a	999 999	MT20	244/190
CDL	10.0	Rep Stress Incr	YES	WB		Horiz(TĹ)	0.00	4	n/a	n/a		
SCLL SCDL	0.0* 10.0	Code	IRC2018/TPI2014	Matrix-MP							Weight: 26 lb	FT = 20%
	10.0		-								Wolght. 20 lb	
UMBER OP CHORD 2x4 SP 1					BRACING TOP CHO	RD						7-11-3 oc purlins.
3OT CHORD 2x4 SP 1 DTHERS 2x4 SP 1					ВОТ СНО	RD					or 6-0-0 oc braci bilizers and requ	ng. iired cross bracing
REACTIONS (lb/size)	1=43/8-00	-01, (min. 1-08), 3= 0-01, (min. 1-08)	43/8-00-01, (min. 1-08)	,			installe		g truss e		n, in accordance	
Max Horiz Max Uplift	1=-72 (LC 1=-20 (LC						<u>.</u>					
			· · ·	cept when showr								

NOTES

1)

Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 4-0-1, Corner(3R) 4-0-1 to 6-11-2, Exterior(2N) 6-11-2 to 8-0-1 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCL to 8-0-7 zone (racef to the two members) and forces and for 2)

TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; 3) Ce=0.9; Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

Gable requires continuous bottom chord bearing. 5)

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

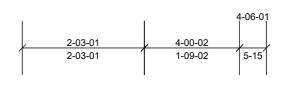
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 1, 23 lb uplift at joint 3 and 147 lb uplift at joint 4. 7)

Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 3. 8)

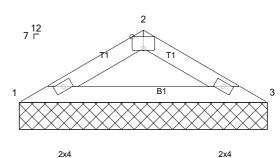
This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 9)

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	V8	Valley	1	1	Job Reference (optional)

Run: 8.73 S Jul 11 2024 Print: 8.730 S Jul 11 2024 MiTek Industries, Inc. Mon Mar 03 10:04:16 Page: 1 ID:bLGxm6WoUEd?J6NsHb?wOVzrtGN-qECKQ0ggeZNkHUikmIFGGCjWkzIWkITMQs3WpgzegkD







4-06-01

Installation guide.

2x4



Plate Offsets (X, Y): [2:2-08,Edge]

-04-00

		-										
Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.01	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 13 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD

REACTIONS (lb/size) 1=187/4-06-15, (min. 1-08), 3=187/4-06-15, (min. 1-08) Max Horiz 1=39 (LC 14) Max Uplift 1=-48 (LC 15), 3=-48 (LC 16) Max Grav 1=216 (LC 21), 3=216 (LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

1-00-05

0-04

- TOP CHORD
- 1-2=-397/332 BOT CHORD 1-3=-265/332

NOTES

Unbalanced roof live loads have been considered for this design. 1)

Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C 2) Corner(3E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

Gable requires continuous bottom chord bearing. 5)

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 6) any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 1 and 48 lb uplift at joint 3. 7)

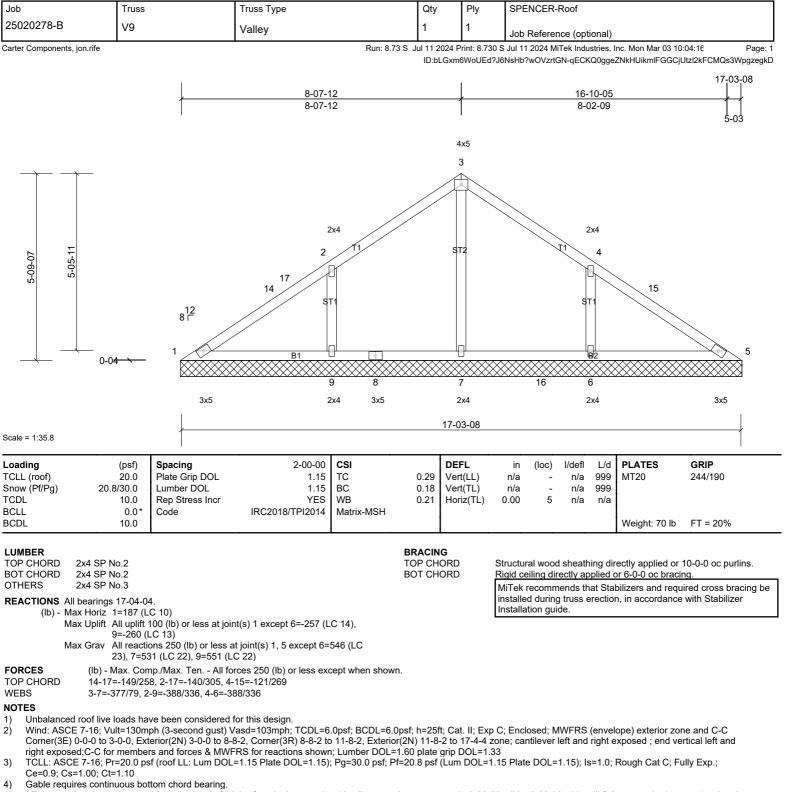
Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 3. 8)

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 9)

LOAD CASE(S) Standard BRACING

TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 4-6-1 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

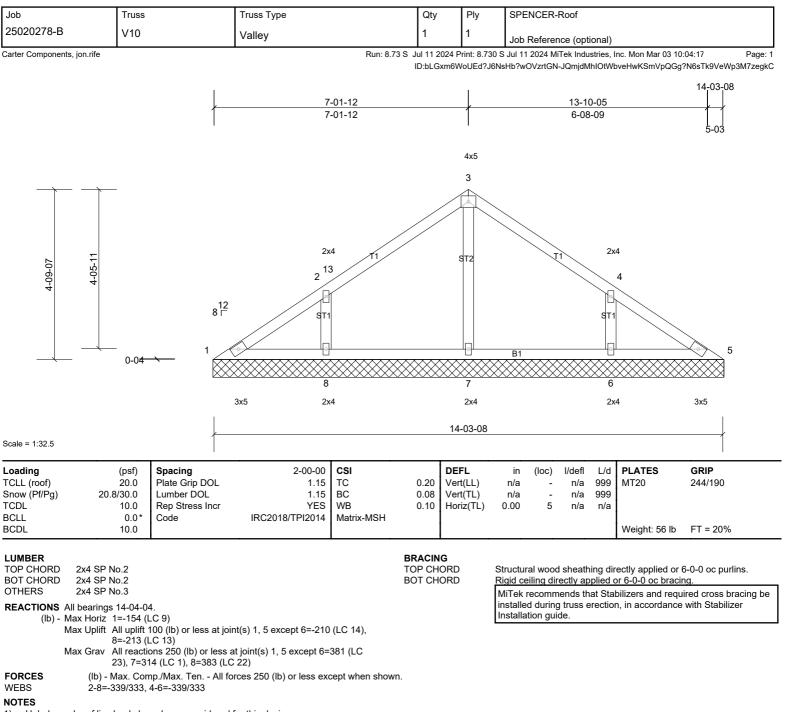


5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=259, 6=257.

7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 5.

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-0-0 to 3-2-2, Exterior(2N) 3-2-2 to 7-2-2, Corner(3R) 7-2-2 to 10-2-2, Exterior(2N) 10-2-2 to 14-4-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

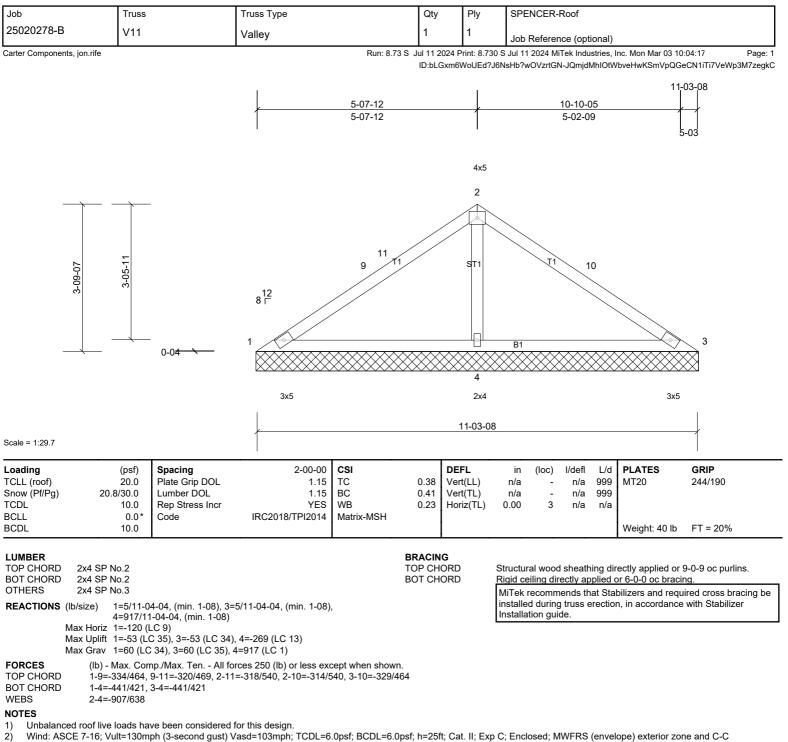
4) Gable requires continuous bottom chord bearing.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=212, 6=210.

7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 5.

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



2) Wild: ASOC 7-10, Valid Formpri (Second gust) vasid Formpri (DEC-0.053, BOE-0.053, He2.0, Calif, L.D.C., Enclosed, WW RS (envelope) extend 201e and 0-0 Comer(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 5-8-2, Corner(3R) 5-8-2 to 8-8-2, Exterior(2N) 8-8-2 to 11-4-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

4) Gable requires continuous bottom chord bearing.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 1, 53 lb uplift at joint 3 and 269 lb uplift at joint 4.

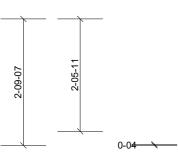
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 3.

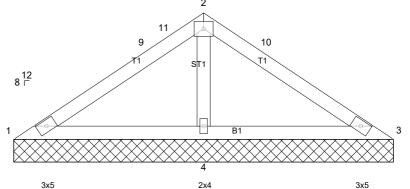
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	V12	Valley	1	1	Job Reference (optional)

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ID:bLGxm6WoUEd?J6NsHb?wOVzrtGN-JQmjdMhIOtWbveHwKSmVpQGgXN3FTjXVeWp3M7zegkC 8-03-08 4-01-12 7-10-05 4-01-12 3-08-09 5-03 4x5 2 11 9 10





8-03-08

Scale = 1:25.5

			1								-	
Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.31	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 29 lb	FT = 20%

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TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.3 OTHERS 1=32/8-04-04, (min. 1-08), 3=32/8-04-04, (min. 1-08), **REACTIONS** (lb/size) 4=618/8-04-04, (min. 1-08) Max Horiz 1=-87 (LC 9) Max Uplift 1=-18 (LC 35), 3=-22 (LC 9), 4=-176 (LC 13) Max Grav 1=66 (LC 34), 3=66 (LC 35), 4=618 (LC 1) (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. FORCES TOP CHORD

1-9=-251/312, 9-11=-237/320, 2-11=-234/344, 2-10=-228/344, 3-10=-242/312

BOT CHORD 1-4=-307/344, 3-4=-307/344 2-4=-583/460

WEBS

NOTES

Unbalanced roof live loads have been considered for this design. 1)

Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C 2) Corner(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 4-2-2, Corner(3R) 4-2-2 to 7-4-11, Exterior(2N) 7-4-11 to 8-4-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; 3) Ce=0.9; Cs=1.00; Ct=1.10

Gable requires continuous bottom chord bearing. 4)

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 5) any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1, 22 lb uplift at joint 3 and 176 lb uplift at joint 4.

Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 3. 7)

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 8)

LOAD CASE(S) Standard BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 8-3-8 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing.

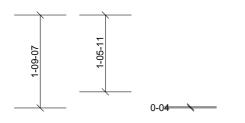
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

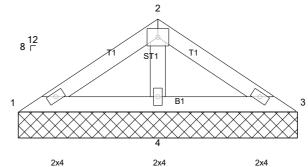
Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	V13	Valley	1	1	Job Reference (optional)

Run: 8.73 S Jul 11 2024 Print: 8.730 S Jul 11 2024 MiTek Industries, Inc. Mon Mar 03 10:04:18 Page: 1 ID:bLGxm6WoUEd?J6NsHb?wOVzrtGN-ndJ5rihw9AeRXos7uAHkMdptenR8CBkftAYduZzegkB









5-03-08



Scale = 1:22.2

				I							Ι	
Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	n/a	-	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 17 lb	FT = 20%

LUMBER

FORCES

WEBS

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.3 OTHERS 1=52/5-04-04, (min. 1-08), 3=52/5-04-04, (min. 1-08), **REACTIONS** (lb/size) 4=333/5-04-04, (min. 1-08) Max Horiz 1=-54 (LC 9) Max Uplift 1=-13 (LC 13), 3=-22 (LC 14), 4=-83 (LC 13) Max Grav 1=65 (LC 34), 3=65 (LC 35), 4=333 (LC 1)

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 5-3-8 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

NOTES

Unbalanced roof live loads have been considered for this design. 1)

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; 3) Ce=0.9; Cs=1.00; Ct=1.10

Gable requires continuous bottom chord bearing. 4)

2-4=-274/255

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 5) any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1, 22 lb uplift at joint 3 and 83 lb uplift at joint 4.

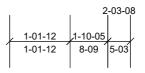
Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 3. 7)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

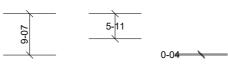
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

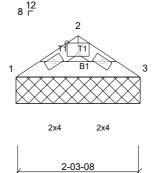
Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	V14	Valley	1	1	Job Reference (optional)

Run: 8.73 S Jul 11 2024 Print: 8.730 S Jul 11 2024 MiTek Industries, Inc. Mon Mar 03 10:04:18 Page: 1 ID:bLGxm6WoUEd?J6NsHb?wOVzrtGN-ndJ5rihw9AeRXos7uAHkMdpu5nTYCCzffAYduZzeqkB









Scale = 1:21.9

Plate Offsets (X, Y): [2:2-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 6 lb	FT = 20%

LUMBER

TOP CHORD2x4 SP No.2BOT CHORD2x4 SP No.2

REACTIONS (lb/size) 1=96/2-04-04, (min. 1-08), 3=96/2-04-04, (min. 1-08) Max Horiz 1=-20 (LC 11)

Max Uplift 1=-25 (LC 13), 3=-25 (LC 14)

FORCES (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

4) Gable requires continuous bottom chord bearing.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 1 and 25 lb uplift at joint 3.

7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 3.

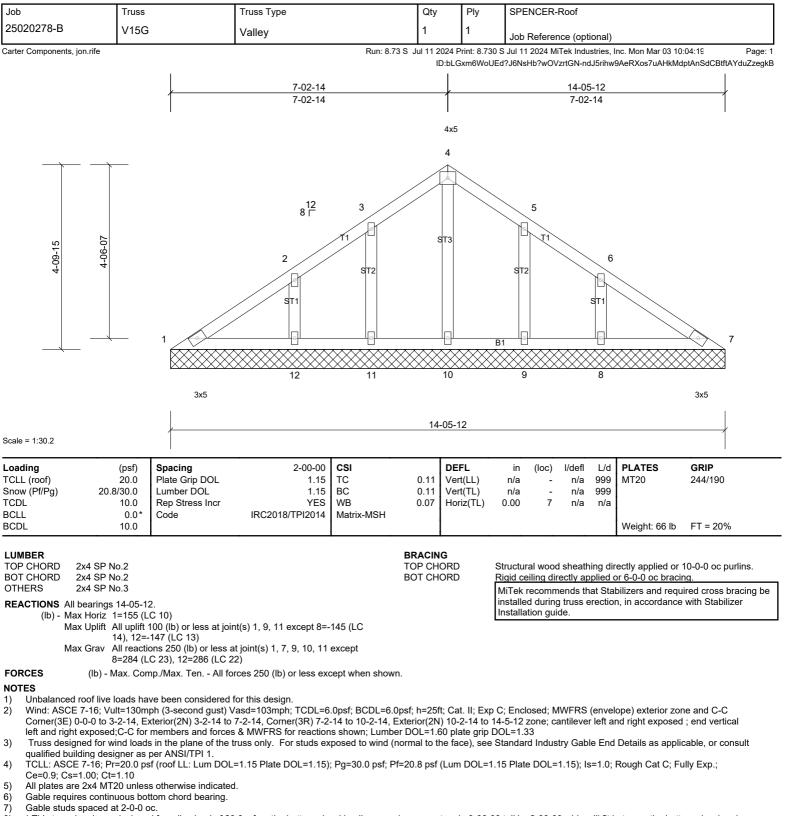
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 2-3-8 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracin

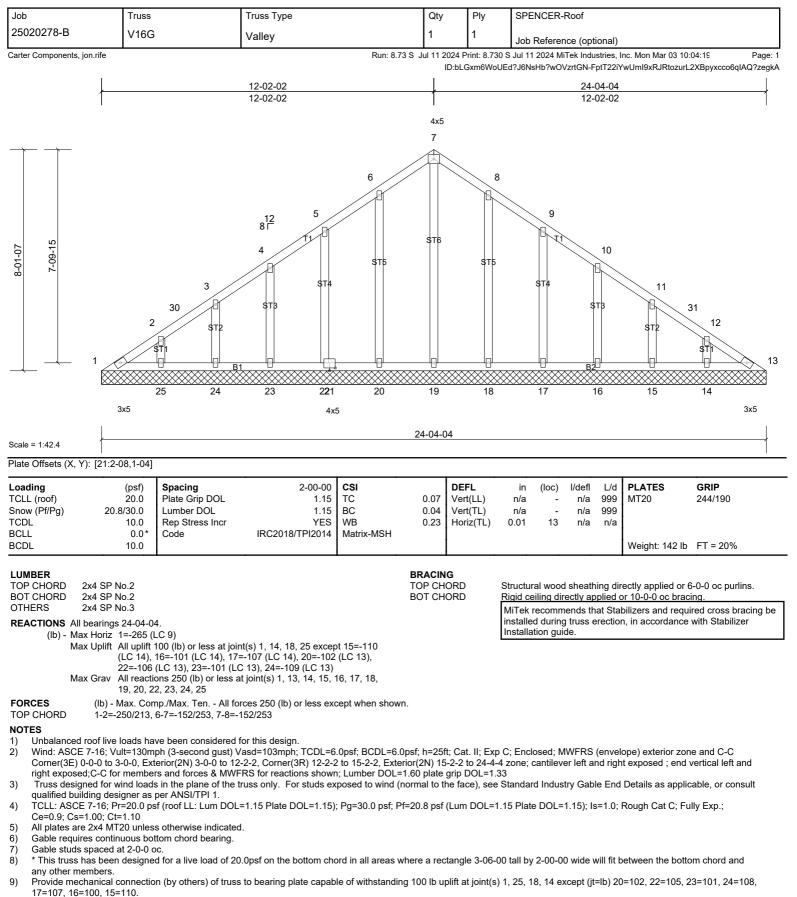
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.



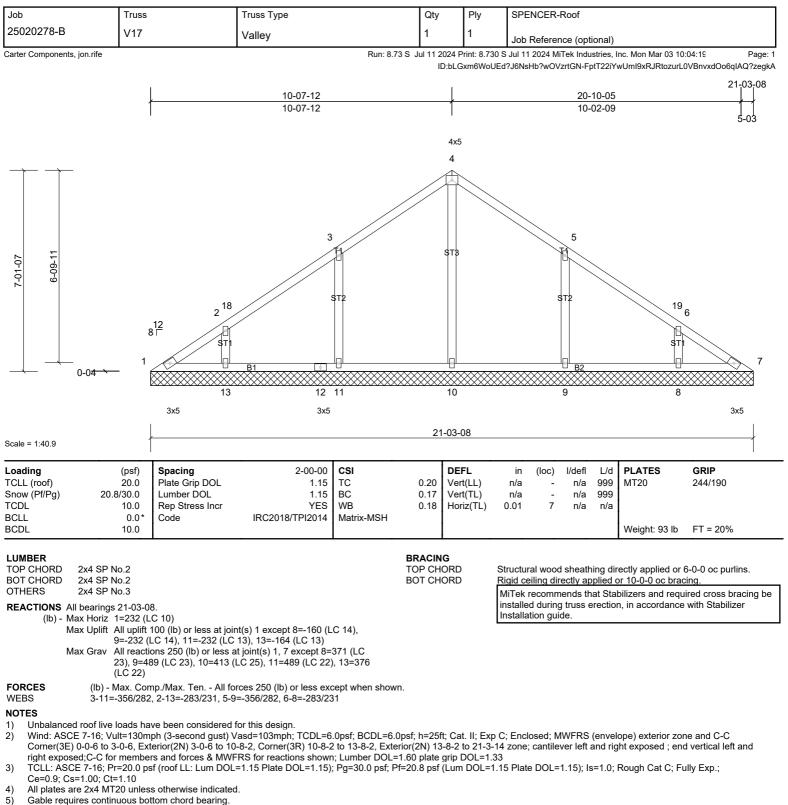
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 9 except (jt=lb) 12=147, 8=145.

10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



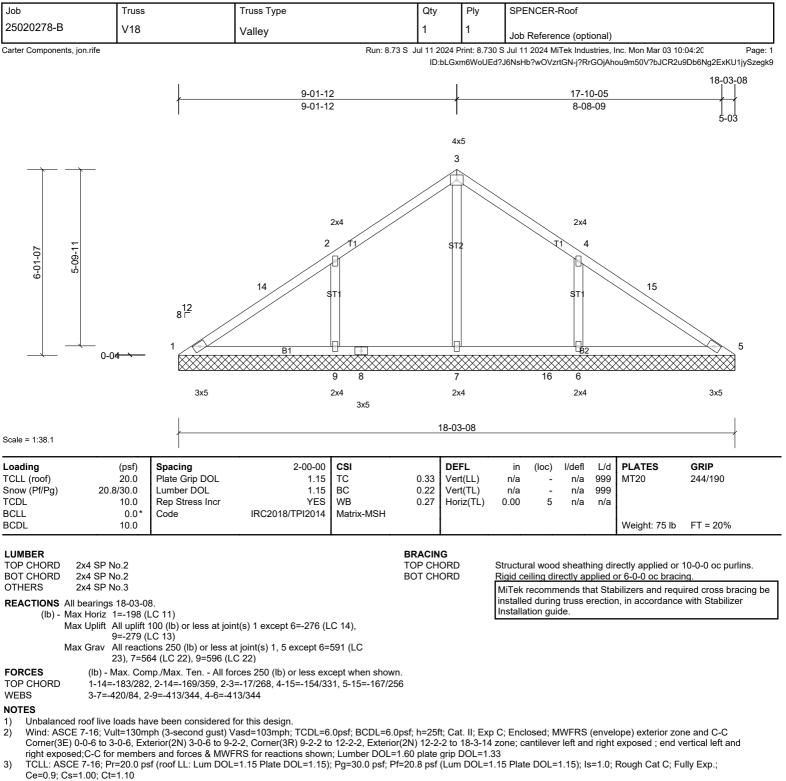
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 11=231, 13=164, 9=232, 8=160.

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

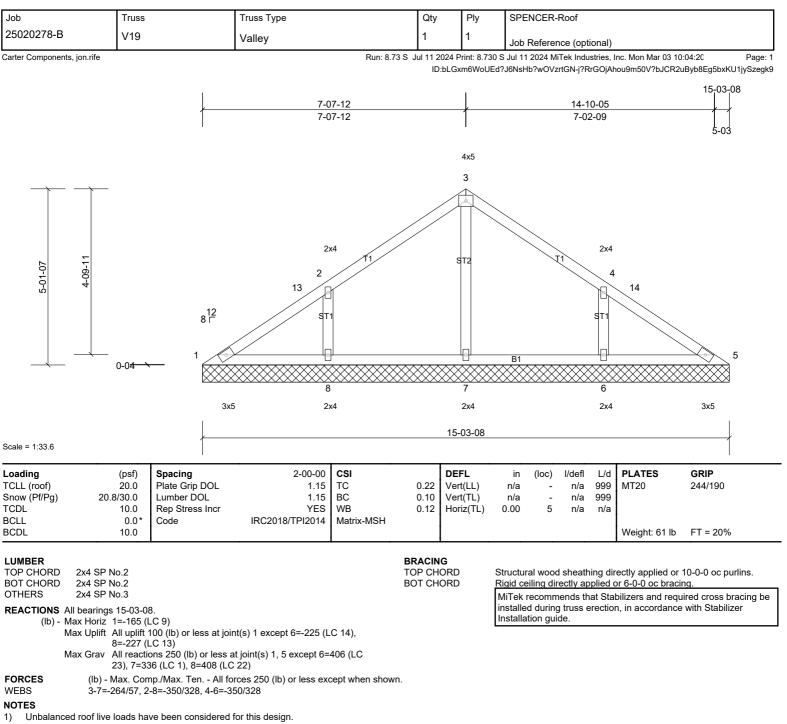


4) Gable requires continuous bottom chord bearing.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=278, 6=276.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-0-6 to 3-0-6, Exterior(2N) 3-0-6 to 7-8-2, Corner(3R) 7-8-2 to 10-8-2, Exterior(2N) 10-8-2 to 15-3-14 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

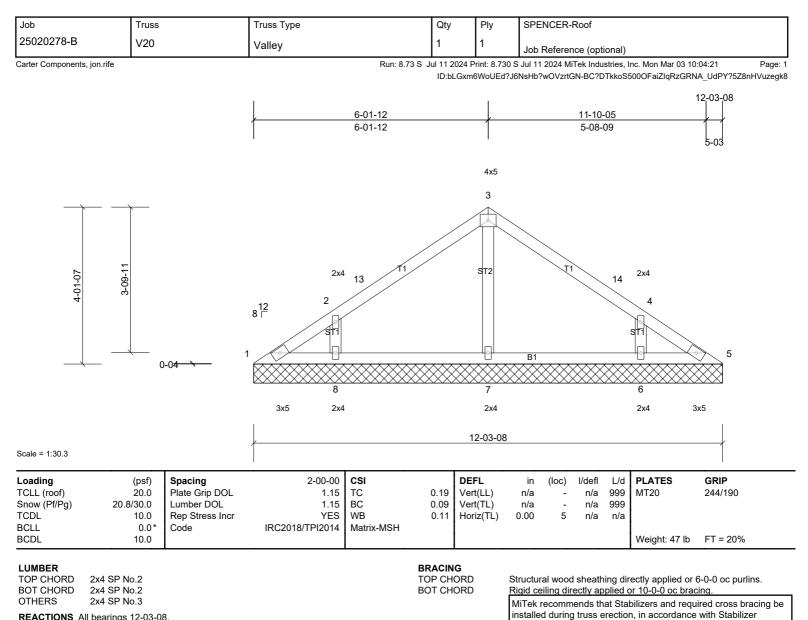
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

4) Gable requires continuous bottom chord bearing.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=227, 6=224.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



REACTIONS All bearings 12-03-08.

(lb) - Max Horiz 1=-132 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-190 (LC 14), 8=-193 (LC 13) Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=344 (LC 23), 7=270 (LC 1), 8=347 (LC 22) (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

2-8=-343/370, 4-6=-343/370

WEBS NOTES

FORCES

1) Unbalanced roof live loads have been considered for this design.

Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C 2) Corner(3E) 0-0-6 to 3-0-6, Exterior(2N) 3-0-6 to 6-2-2, Corner(3R) 6-2-2 to 9-2-2, Exterior(2N) 9-2-2 to 12-3-14 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

Installation guide.

3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

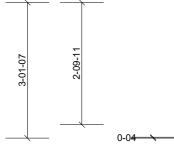
4) Gable requires continuous bottom chord bearing.

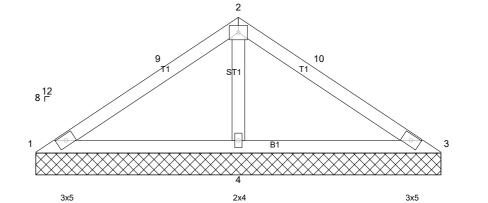
This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 5) any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=192, 6=189. 6)

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 7)

Valley			1 Print: 8.730 \$	Job Reference (optional) S Jul 11 2024 MiTek Industries, Inc. I	Mon Mor 02 10:04:21	
			Print: 8.730 \$	S Jul 11 2024 MiTek Industries, Inc. I	Map Mar 02 10:04:21	
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			I		9-03-08 	
	4-07-12			8-10-05		
	4-07-12		1	4-02-09	1 5-03	
			¥		4-07-12 4-02-09	4-07-12 8-10-05 4-07-12 4-02-09 5-03





9-03-08

Scale = 1:26.6

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.31	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 33 lb	FT = 20%

LUMBER TOP CHORD BOT CHORD OTHERS		No.2
REACTIONS	Max Horiz	1=39/9-03-08, (min. 1-08), 3=39/9-03-08, (min. 1-08), 4=680/9-03-08, (min. 1-08) 1=-98 (LC 9) 1=-18 (LC 35), 3=-25 (LC 9), 4=-189 (LC 13)
		1=75 (LC 34), 3=75 (LC 35), 4=680 (LC 1)
FORCES TOP CHORD	1-9=-	Max. Comp./Max. Ten All forces 250 (lb) or less except -229/301, 2-9=-215/359, 2-10=-207/359, 3-10=-221/301

BOT CHORD 1-4=-295/319, 3-4=-295/319 2-4=-655/493

WEBS

NOTES

Unbalanced roof live loads have been considered for this design. 1)

Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-0-6 to 3-0-6, Exterior(2N) 3-0-6 to 4-8-2, Corner(3R) 4-8-2 to 7-8-2, Exterior(2N) 7-8-2 to 9-3-14 zone; cantilever left and right exposed ; end vertical left and right 2) exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

when shown.

TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; 3) Ce=0.9; Cs=1.00; Ct=1.10

4) Gable requires continuous bottom chord bearing.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 5) any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1, 25 lb uplift at joint 3 and 189 lb uplift at joint 4.

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 7)

LOAD CASE(S) Standard

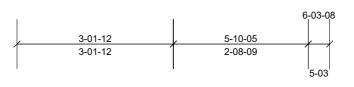
BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 9-3-8 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing.

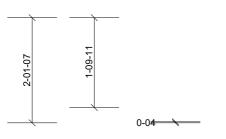
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

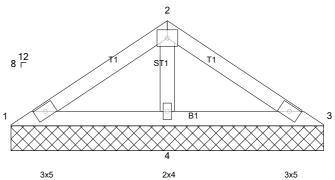
Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	V22	Valley	1	1	Job Reference (optional)

Run: 8.73 S Jul 11 2024 Print: 8.730 S Jul 11 2024 MiTek Industries, Inc. Mon Mar 03 10:04:22 Page: 1 ID:bLGxm6WoUEd?J6NsHb?wOVzrtGN-BC?DTkkoS5000FaiZlgRzGRN6 SvPY85Z8nHVuzegk8









6-03-08

Structural wood sheathing directly applied or 6-3-8 oc purlins.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

Rigid ceiling directly applied or 6-0-0 oc bracing.

Installation guide.

3x5

Scale = 1:23.3												
Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.20	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 21 lb	FT = 20%

BRACING TOP CHORD

BOT CHORD

LOWIDEN		
TOP CHORD	2x4 SP	No.2
BOT CHORD	2x4 SP	No.2
OTHERS	2x4 SP	No.3
REACTIONS		1=51/6-03-08, (min. 1-08), 3=51/6-03-08, (min. 1-08), 4=411/6-03-08, (min. 1-08)
	Max Horiz	1=-65 (LC 9)
	Max Uplift	1=-10 (LC 13), 3=-21 (LC 14), 4=-108 (LC 13)
	Max Grav	1=69 (LC 34), 3=69 (LC 35), 4=411 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 2-4=-360/337

NOTES

Unbalanced roof live loads have been considered for this design. 1)

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; 3) Ce=0.9; Cs=1.00; Ct=1.10

Gable requires continuous bottom chord bearing. 4)

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 5) any other members

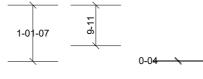
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 1, 21 lb uplift at joint 3 and 108 lb uplift at joint 4. 6)

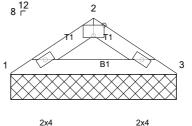
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	SPENCER-Roof
25020278-B	V23	Valley	1	1	Job Reference (optional)

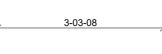
Run: 8.73 S Jul 11 2024 Print: 8.730 S Jul 11 2024 MiTek Industries, Inc. Mon Mar 03 10:04:22 Page: 1 ID:bLGxm6WoUEd?J6NsHb?wOVzrtGN-fOZch4kRDP8t0P9u70LgWTzYTOp180yEooWq1Kzegk7











Scale = 1:23

Plate Offsets (X, Y): [2:2-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 9 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD

REACTIONS (lb/size) 1=134/3-03-08, (min. 1-08), 3=134/3-03-08, (min. 1-08) Max Horiz 1=-31 (LC 9)

Max Uplift 1=-34 (LC 13), 3=-34 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

Unbalanced roof live loads have been considered for this design. 1)

Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C 2) Corner(3E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=20.8 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; 3) Ce=0.9; Cs=1.00; Ct=1.10

Gable requires continuous bottom chord bearing. 4)

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 5) any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 1 and 34 lb uplift at joint 3. 6)

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 7)

LOAD CASE(S) Standard BOT CHORD

BRACING TOP CHORD

Structural wood sheathing directly applied or 3-3-8 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.