

TJP Depth, D	TJP Flange Width	Block Type	Size	Nail	Quantity
less than 3/4"	100(0.128" x 3")	Filler	100(0.128" x 3")		15
		Backer	100(0.128" x 3")		15
9/16" < D ≤ 20"	3/4"	Filler	160(0.135" x 3 1/2")		15 - each side
		Backer	100(0.128" x 3")		15
20" < D ≤ 24"	3/4"	Filler	160(0.135" x 3 1/2")		25 - each side
		Backer	100(0.128" x 3")		15

WARNING
Joists are unstable until braced laterally

Bracing Includes:

- Blocking
- Hangers
- Sheathing
- Rim Board
- Stair Lines
- Rim Joist

DO NOT walk on joists until braced. INJURY MAY RESULT.

DO NOT walk on joists that are tying flat.

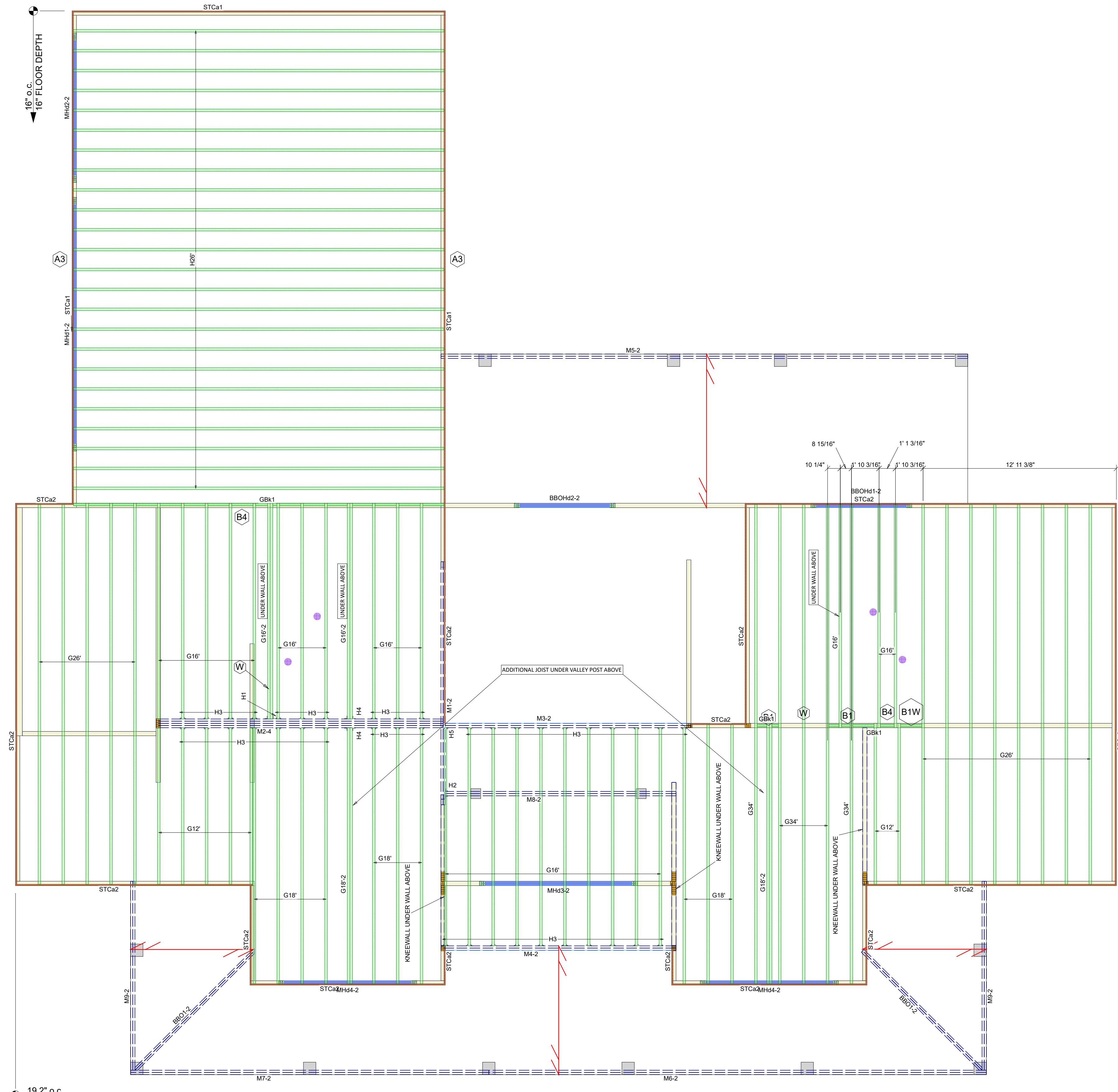
DO NOT stack building materials on unsheathed joists. Stack only over beams or walls.

WARNING NOTES:

Lack of proper bracing during construction can result in serious accidents. Observe the following guidelines:

- All blocking, hangers, rim boards and joists at the end supports of the TJP joists must be completely installed and properly nailed.
- Lateral strength, like braced wall or an existing deck, must be established at the ends of the bay. This can also be accomplished by a temporary or permanent (if bracing is intended to be permanent) bracing to the first 4 feet of joists at the end of the bay.
- Safety bracing of 1/4" (minimum) must be nailed to a braced end wall or sheathed area (as in note 2) and to each joist. Install bracing with 2 - 8d (0.131" x 3") nails each joist and end support at 8" on center (8" for TJI 110 joists). Without this bracing, blocking, sheathing or other bracing is highly prohibited under light construction loads - such as a worker or one layer of unbraced sheathing.
- Sheathing must be completely attached to each TJP joist before additional loads can be placed on the system.
- Ends of cantilevers require safety bracing on both the top and bottom flanges.
- The flanges must remain straight within 1/2" from true alignment.
- See www.ty.com for additional installation information.

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WEB STIFFENER ATTACHMENT

Gap: 1/8" minimum
2 1/2" maximum

Nailing: See table below.

Web stiffener both sides. See table below.

*With point load from above, and no support below, install web stiffener tight to top flange (gap at bottom flange).

TJP Joist Series	Depth (in.)	Minimum Web Stiffener Size	Nailing Requirements	
			Type	Number Nails Intermediate
110	All	3/8" x 2 1/2"	8d	3
	210			
230 & 360	All	7/8" x 2 1/2"	3	3
	560			
560D	18"	2x4 ⁽²⁾	16d	5
	20"		6	4
	22"		6	11
	24"		6	13

(1) PS1 or PS2 sheathing, face grain vertical
(2) Construction grade or better
(3) Web stiffeners are always required for 22" and 24" TJP 560D Joists

Second Floor Framing Plan
Scale: 1/4" = 1'-0"

Framing Connector Summary

PartID	Qty	Manuf	Product	Backer Blks	Web Stiff
H1	1	User	MIL4.28/14	Not Required	Not Required
H2	1	Simpson	HGU5410	No	No
H3	40	Simpson	IUS2.06/14	No	No
H4	2	Simpson	MIL4.28/14	No	No
H5	1	User	IUS2.06/14	Not Required	Not Required

Products

PartID	Length	Product	Piles	Net Qty
H2	26' 0"	16" TJI 210 joist	1	24
G34	34' 0"	14" TJI 210 joist	1	5
GBk1	27' 9 11/16"	14" TJI 210 joist	1	1
G26	26' 0"	14" TJI 210 joist	1	13
G18-2	18' 0"	14" TJI 210 joist	2	4
G18	18' 0"	14" TJI 210 joist	1	10
G16-2	16' 0"	14" TJI 210 joist	2	4
G16	16' 0"	14" TJI 210 joist	1	24
G12	12' 0"	14" TJI 210 joist	1	7
M1-2	18' 0"	1 3/4" x 20' 2.0E Microlam LVL	2	2
M2-4	20' 0"	1 3/4" x 14' 2.0E Microlam LVL	4	4
M3-2	18' 0"	1 3/4" x 14' 2.0E Microlam LVL	2	2
M4-2	18' 0"	1 3/4" x 14' 2.0E Microlam LVL	2	2
M5-2	36' 0"	1 3/4" x 9 1/4' 2.0E Microlam LVL	2	2
M6-2	34' 0"	1 3/4" x 9 1/4' 2.0E Microlam LVL	2	2
M7-2	24' 0"	1 3/4" x 9 1/4' 2.0E Microlam LVL	2	2
M8-2	14' 0"	1 3/4" x 9 1/4' 2.0E Microlam LVL	2	4
STCa1	16' 0"	1 1/8" x 16" TJ Rim Board	1	6
STCa2	16' 0"	1 1/8" x 14" TJ Rim Board	1	12

Wall Framing

PartID	Length	Product	Piles	Net Qty
MH4-2	18' 0"	1 3/4" x 18' 2.0E Microlam LVL	2	2
MH2-2	10' 0"	1 3/4" x 11 7/8' 2.0E Microlam LVL	2	2
MH3-2	12' 0"	1 3/4" x 9 1/4' 2.0E Microlam LVL	2	2
MH4-2	10' 0"	1 3/4" x 9 1/4' 2.0E Microlam LVL	2	4

Accessories

PartID	Length	Product	Piles	Net Qty
11 1/4"	3/4" x 2 5/16" Web Stiffeners	1	8	
	23/32"x48"x96" Weyerhaeuser Edge Gold Panel (0/24) T&G SF	1	89	

Total Lengths

Length	Product	Piles	Net Qty
624' 0"	16" TJI 210 joist	1	24
1319' 9 11/16"	14" TJI 210 joist	1	13
36' 0"	1 3/4" x 20' 2.0E Microlam LVL	2	2
36' 0"	1 3/4" x 18' 2.0E Microlam LVL	2	2
148' 0"	1 3/4" x 14' 2.0E Microlam LVL	2	2
20' 0"	1 3/4" x 11 7/8' 2.0E Microlam LVL	2	2
340' 0"	1 3/4" x 9 1/4' 2.0E Microlam LVL	2	2
96' 0"	1 1/8" x 16" TJ Rim Board	1	6
192' 0"	1 1/8" x 14" TJ Rim Board	1	12
7' 6"	3/4" x 2 5/16" Web Stiffeners	1	8

LEVEL NOTES

Current Date:	12/23/2024
File Name:	26139.rvt
Level Name:	2nd Floor
Building Code:	IBC/IRC 2021
Members with Design Overrides:	
TJ-Pro Rating (Weighted Average):	48
Minimum Level TJ - Pro Rating & Joist:	TJ-Pro rating = 31, joist = H20(11213)
Maximum Level TJ - Pro Rating & Joist:	TJ-Pro rating = 71, joist = G16(11038)
FLOOR	
Floor Container:	FC4
Use/Occupancy:	ResidentialLivingAreas
Floor Area Loading (k):	30.0 k/ft² Live Load & 10.0 k/ft² Dead Load
Maximum Allowed Deflection:	L/480 Live Load & L/240 Total Load
TJ-Pro Rating Information:	
Weighted Average:	48
Directly Applied Ceiling:	Gypsum 1/2"
Decking Attachment:	Glue and Nail
Decking Material:	23/32"x48"x96" Weyerhaeuser Edge Gold Panel (0/24) T&G SF
Perpendicular Partition:	No
Strapping at max 8' o.c.:	None
Blocking at max 8' o.c.:	No
Poured Flooring:	No

An additional 10 PSF DL has been added to account for tile load on this floor. See architectural for tile locations.

An additional 10 psf LL has been added to account for code minimum requirements in non-sleeping rooms.

GENERAL NOTES:

- Joists may be shifted up to 3" from on center spacing to avoid hanger interference, flush beams and/or plumbing drops. **DO NOT CUT JOIST FLANGES.**
- All EWP beams have been designed assuming full width support of the members/piles, unless noted otherwise.
- This drawing may contain deviations from the original project documents. It is the responsibility of the contractor to notify the project Design Professional of these deviations to verify conformance with the original design intent of the project.
- This layout is intended for the use of TrusJoist engineered wood products only. The substitution of other wood products with this layout is NOT PERMITTED. Please identify the TJI, TimberStrand® LSL, Microlam® LVL and Parallam® PSL stamps on the product to ensure that this layout is valid for the products actually installed.
- Only header openings and roof loads which affect Weyerhaeuser product sizes have been denoted on this layout. In addition to and 'CS' detail callouts shown, solid blocking and/or squash blocks are required to provide vertical load transfer from all concealed load locations to foundation below. See Pocket Framers Guide for appropriate detail(s).

SYMBOL LEGEND

- Bearing Length Requirement
- Line Load
- Point Load
- Area Load
- BBO Member By Others
- CBO Closure By Others
- ULA Under Load Above
- Toilet/Shower Plumbing Drop
- Tub Plumbing Drop
- Walls Above
- ⊗ Detail Callout Label

Trus Joist
ENGINEERED WOOD PRODUCTS

Weyerhaeuser

Specification Team
plans@wv.com
www.axis.weyerhaeuser.com

These placement plans have been prepared based on project information provided to Weyerhaeuser, and are not to be used for construction without the design professional's approval. The design professional is responsible for verifying the design and construction details are consistent with the project design. Copyright © 2020 Weyerhaeuser NR Company. All rights reserved. Any unauthorized copying or reproduction will constitute an infringement of copyright.

Architectural Drawings Prepared By: Structural Drawings Prepared By: N/A N/A

DFD 9/18/24

TERRY O 12/23/24

Latest Revision Date: 12/23/2024

Revision Comments:

Revised By:

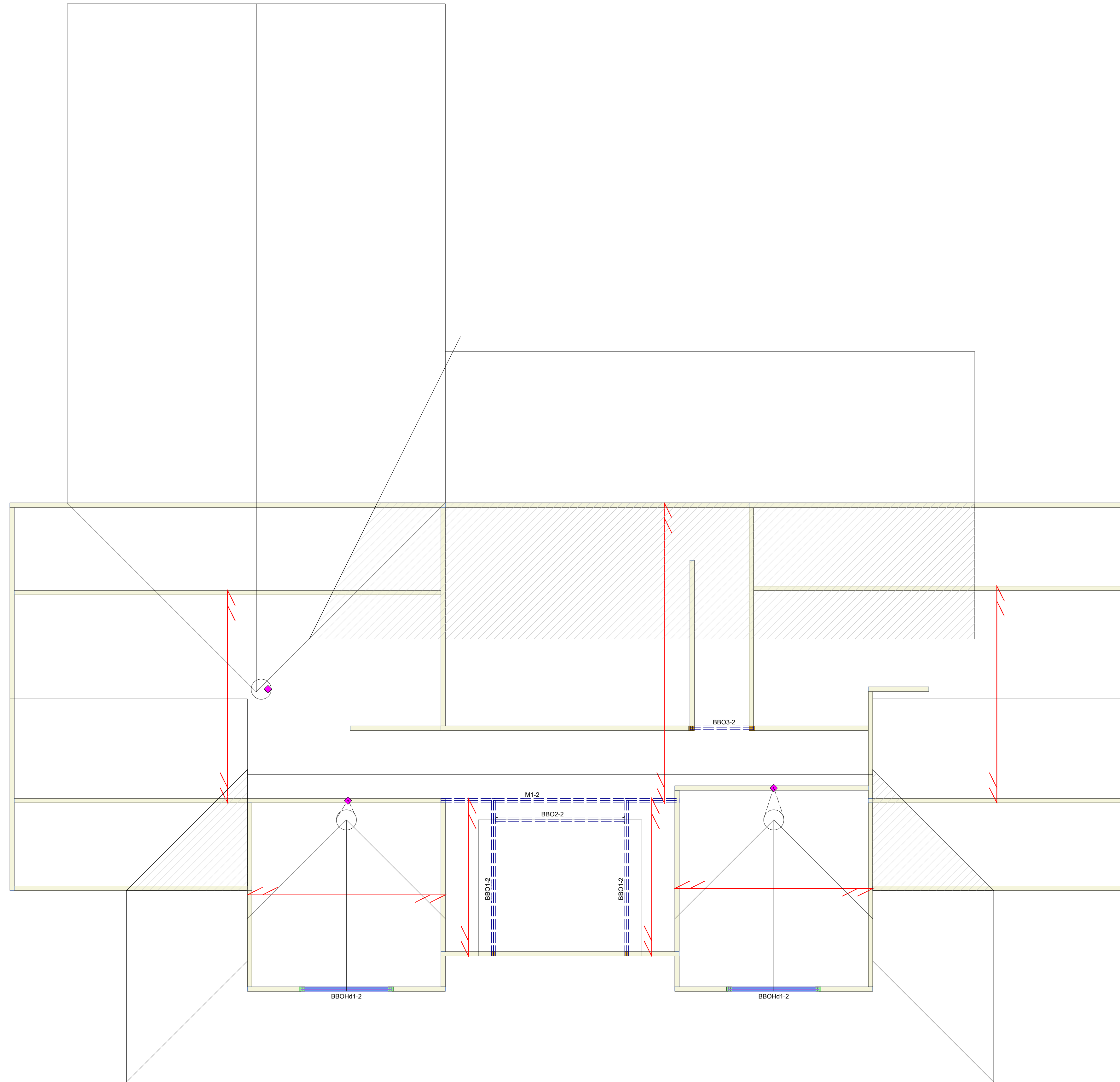
Drawn By:

Original Date:

LOT 5 LEAFLET CHURCH ROAD

Ticket 26139

Sheet 1 of 2



Products				
ProdID	Length	Product	Piles	Net Qty
M1-2	16' 0"	1 3/4" x 11 7/8" 2.0E Microlam LVL	2	2
Total Lengths				
Length	Product			
32' 0"	1 3/4" x 11 7/8" 2.0E Microlam LVL			
Ceiling Design Loads:				
10 PSF Dead Load				
20 PSF Live Load				
Roof Design Loads:				
10 PSF Dead Load				
20 PSF Live Load (115%)				
Hatch Legend				
Assumed Overframing				

SYMBOL LEGEND	
	Bearing Length Requirement
	Line Load
	Point Load
	Area Load
	Member By Others
	Closure By Others
	Under Load Above
	Toilet/Shower Plumbing Drop
	Tub Plumbing Drop
	Walls Above
	Detail Callout Label

GENERAL NOTES:

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Ceiling/ Roof Framing Plan
Scale: 1/4" = 1'-0"

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- Sheathing
- Rim Board
- Stair Lines
- Rim Joist



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- Lateral strength, like braced end wall or an existing deck, must be established at the ends of the bay. This can also be accomplished by a temporary or permanent deck (sheathing) fastened to the first 4 feet of joists at the end of the bay.
- Safety bracing of 1x4 (minimum) must be nailed to a braced end wall or sheathed area (as in note 2) and to each joist. Install bracing with 2 - 8d, 0.113" x 2.57" nails each joist and end support at 8 ft on center (6 ft for TJI 110 joists). Without this bracing, buckling sideways or collapse is highly probable under light construction loads - such as a worker or one layer of unnailed sheathing.
- Sheathing must be completely attached to each TJI joist before additional loads can be placed on the system.
- Ends of cantilevers require safety bracing on both the top and bottom flanges.
- The flanges must remain straight within 1/2" from true alignment.
- See www.tj.com for additional installation information.
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Architectural Drawings Prepared By: Structural Drawings Prepared By:
DRD N/A
9/18/24 N/A

Latest Revision Date:
Revision Comments:
Revised By:
Drawn By:
Original Date

TERRY O
12/23/24

LOT 5 LEAFLET CHURCH ROAD

Ticket
26139

Sheet
2 of 2