

Products				
PlotID	Length	Product	Plies	Net Qty
2J1	29' 6 3/4"	14" LPI 20Plus	1	7
2J2	16' 5 1/8"	14" LPI 20Plus	1	1
2J3	13' 3 1/4"	14" LPI 20Plus	1	7
2J4	13' 3 1/4"	14" LPI 20Plus	2	2
2J5	13' 1 5/8"	14" LPI 20Plus	2	2
2J6	12' 9 3/4"	14" LPI 20Plus	1	2
2BM1	13' 0"	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	2	2
2BM2	16' 7 7/8"	1-3/4X14 LP-LVL 2900Fb-2.0E	2	2
2BM3	5' 0"	2x8 SP No.2	2	2
Ca1	12' 0"	1-1/8X14 LP-OSB Plus	1	8
Bk1	9 5/8"	14" LPI 20Plus	1	1
Bk2	7"	14" LPI 20Plus	1	1
Bk3	6 11/16"	14" LPI 20Plus	1	1

Wall Framing				
PlotID	Length	Product	Plies	Net Qty
Hd1	8' 0"	2x8 SP No.2	2	2
Hd2	4' 1"	2x8 SP No.2	2	2
Hd3	3' 5 1/2"	2x8 SP No.2	2	2
Hd4	3' 2"	2x8 SP No.2	2	6
Hd5	3' 1 1/2"	2x8 SP No.2	2	2
Hd6	2' 8"	2x8 SP No.2	2	4

Accessories				
PlotID	Length	Product	Plies	Net Qty
		4x8 3/4 LP TOP NOTCH 350 T&G	1	17

3/8"=1' Scale

FOR HANGER NAILING
REFER TO MANUFACTURER
SPECIFICATIONS

ALL TRUSSES
AND DIMENSIONS
ARE SET TO STUD

SEE ENGINEERED TRUSS
PROFILES FOR REQUIRED
BEARING ENHANCEMENT
AND MULTI-PLY FASTENERS

FLOOR 1

AGR CNSTRN
MGMT LLC



Huskey
Truss & Building Supply, Inc.

424 Lewisburg Pike
Franklin, TN 37064
615-791-0100
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Plan: - - -

Subdivision: NORTH 14TH ST

Lot #: 1404 NORTH 14TH ST

Job #: 403316

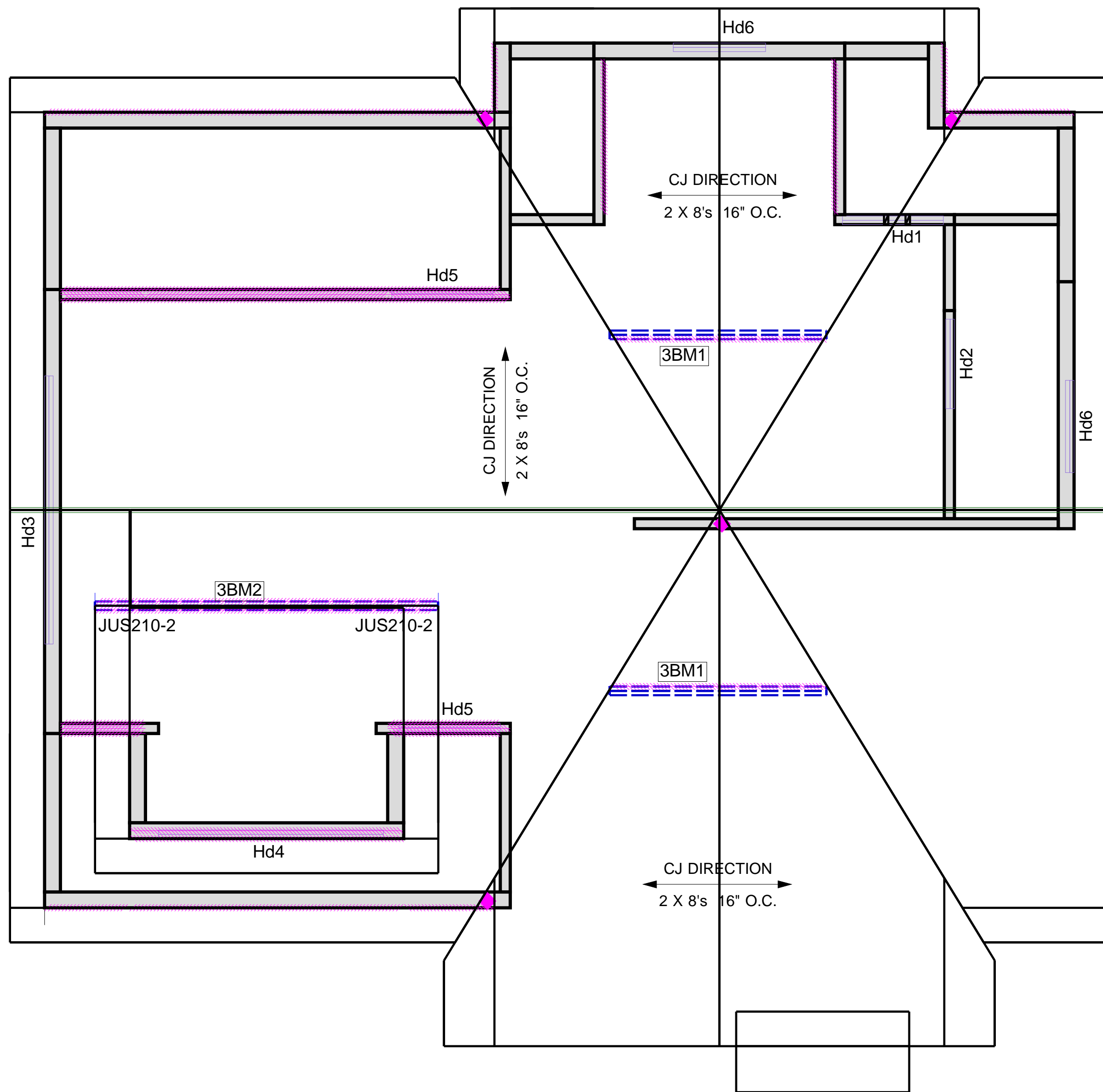
Drawn By: LP

Drawn Date: 2/9/2022

Revision Date: -

Checked By: -


Checked Date: -

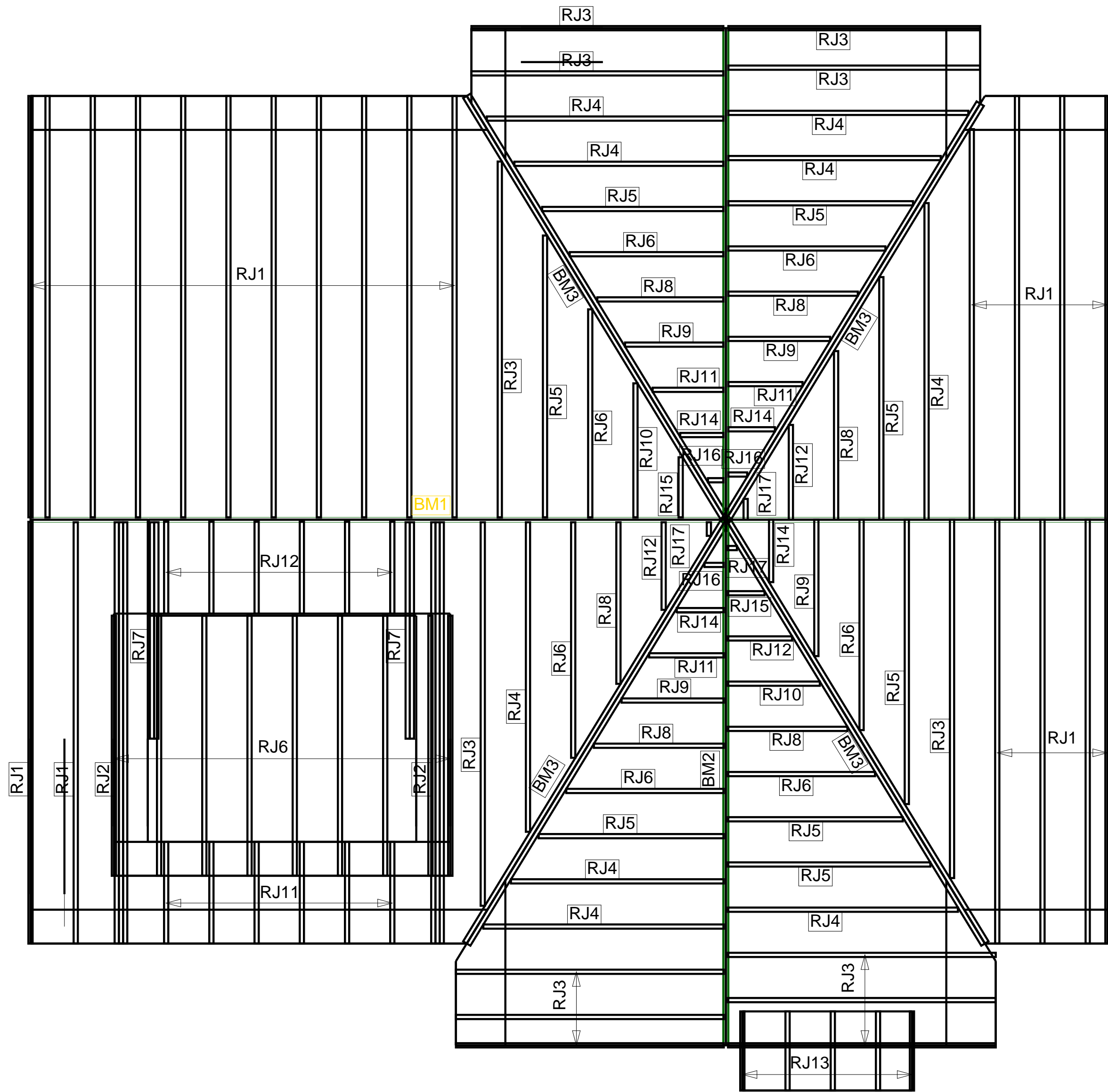


Products				
PlotID	Length	Product	Plies	Net Qty
3BM1	6' 3 3/16"	2x10 SP No.2	2	4
3BM2	10' 0"	2x12 SP No.2	2	2

Wall Framing				
PlotID	Length	Product	Plies	Net Qty
Hd3	8' 0"	2x8 SP No.2	2	2
Hd4	6' 6"	2x8 SP No.2	2	2
Hd5	2' 11"	2x8 SP No.2	2	4
Hd6	2' 8"	2x8 SP No.2	2	4
Hd1	2' 11"	2x4 SPF No.2	2	2
Hd2	2' 7"	2x4 SPF No.2	2	2

3/8"=1' Scale

FOR HANGER NAILING REFER TO MANUFACTURER SPECIFICATIONS	ROOF AGR CNSTRN MGMT LLC	 424 Lewisburg Pike Franklin, TN 37064 615-791-0100 www.HuskeyTruss.com	Plan: - - -
ALL TRUSSES AND DIMENSIONS ARE SET TO STUD			Subdivision: NORTH 14TH ST Lot #: 1404 NORTH 14TH ST Job #: 403316 Drawn By: LP Drawn Date: 2/9/2022 Revision Date: - Checked By: - Checked Date: -
SEE ENGINEERED TRUSS PROFILES FOR REQUIRED BEARING ENHANCEMENT AND MULTI-PLY FASTENERS			



Products					
PlotID	Length	Product	Plies	Net Qty	
BM1	31' 9 3/4"	1-3/4X11-1/4 LP-LVL 2900Fb-2.0E	1	1	
BM2	30' 0"	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	1	1	
BM3	20' 0"	2x12 SP No.2	2	8	
RJ1	18' 0"	2x8 SP No.2	1	21	
RJ2	18' 0"	2x8 SP No.2	3	6	
RJ3	16' 0"	2x8 SP No.2	1	13	
RJ4	14' 0"	2x8 SP No.2	1	9	
RJ5	12' 0"	2x8 SP No.2	1	8	
RJ6	10' 0"	2x8 SP No.2	1	16	
RJ7	10' 0"	2x8 SP No.2	2	4	
RJ8	8' 0"	2x8 SP No.2	1	6	
RJ9	6' 6"	2x8 SP No.2	1	4	
RJ10	6' 0"	2x8 SP No.2	1	2	
RJ11	5' 0"	2x8 SP No.2	1	9	
RJ12	4' 6"	2x8 SP No.2	1	9	
RJ13	4' 0"	2x8 SP No.2	1	5	
RJ14	3' 6"	2x8 SP No.2	1	4	
RJ15	3' 0"	2x8 SP No.2	1	2	
RJ16	2' 0"	2x8 SP No.2	1	3	
RJ17	1' 6"	2x8 SP No.2	1	3	

Connector Summary			
Qty	Manuf	Product	Flange
36	N/A	N/A	None
2			None
9	USP	One RT3A	None

THIS IS A PLACEMENT DRAWING ONLY.
SPANS AND BRACING ARE BASED PER CODES
AND SOUTHERN PINE COUNCIL SPAN CHARTS.
HIPS,VALLEYS AND RIDGES ASSUME
POST DOWNS PER BUILDING CODES.

3/8"=1' Scale

FOR HANGER NAILING
REFER TO MANUFACTURER
SPECIFICATIONS

ALL TRUSSES
AND DIMENSIONS
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SEE ENGINEERED TRUSS
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ROOF

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Plan: - - -

Subdivision:	NORTH 14TH ST
Lot #:	1404 NORTH 14TH ST
Job #:	403316
Drawn By:	LP
Drawn Date:	2/9/2022
Revision Date:	-
Checked By:	-
Checked Date:	-

A1

RIM BOARD

A1W

RIM BOARD

Web Stiffener Required

Fasten rim board to each floor I-Joist using one 8d box nail or 10d box nail per flange

Web stiffener for Detail A1W only

Same depth as I-Joist

8d nails at 6" oc toe-nailed from outside of building

A3

BLOCKING AT EXTERIOR WALL

8d nail at 6" o.c.
(when used for shear transfer nail to bearing plate with same nailing schedule as decking)

A5

JOIST SUPPORT NAILING

Secure I-Joist to plate with two 8d or 10d box nails. Drive one nail from each side of I-Joist, angled inward.

Place nail 1-1/2" min. from end of I-Joist. If nails are close to edge of plate, drive at an angle to reduce splitting.

A7

SOLID RIM AS STARTER JOIST

Fasten rim board to each floor I-Joist using one 8d nail or 10d box nail per flange

B1

WEB STIFFENERS AT INTERIOR SUPPORT (When Required)

Verify stiffener requirements

B2

SQUASH BLOCKS

Use double squash blocks as specified. Squash blocks must be cut 1/16" taller than I-Joist. 2x4 min.

Stagger 8d or 10d box nails to avoid splitting

Bearing wall aligned under wall above

Toe nail 8d or 10d box nail to plate

B3

BLOCKING AT INTERIOR SUPPORT

Blocking is not required if no wall above unless I-Joists end at support. Blocking may be required at interior supports by project designer or by code for seismic design

Bearing wall aligned under wall above

B3c

I-JOIST END OVER INTERIOR SUPPORT

LP LSL, LP LVL or LP Rim may be substituted for I-Joist Blocking

Blocking is required when I-Joists end at support

lapping

butting

C1

CANTILEVER DETAIL

No reinforcement required

APA Rated 23/32" OSB (or equal) closure, or as required by code

LPI Blocking*

As Designed

* LPI SolidStart Rim Board, LVL or LSL may be substituted for the LP Blocking

C2

CANTILEVER DETAIL

23/32" OSB (or equal)

Reinforcement One Side Only

APA Rated 23/32" OSB (or equal) closure, or as required by code

APA-rated 23/32" OSB (or equal) reinforcement one side, 4'-0" long minimum

LPI Blocking *

2'-0" max

2'-0" min

Attach reinforcement to top and bottom flanges with 8d nails at 6" o.c.

* LPI SolidStart Rim Board, LVL or LSL may be substituted for the LP Blocking

D1

INTERIOR REINFORCING

Non-Stacking Walls

1" or 1-1/8" LP SolidStart Rim Board reinforcement one side, 4'-0" long minimum

LPI blocking

Max Wall Offset 1'-0"

1'-0" min

Attach reinforcement to top and bottom flanges with 8d nails at 6" oc

D2

POST LOADS

Squash blocks (cripples) required under all post loads

E2

HANGER DETAIL

Applied loads at end of I-joist must be supported directly by the girder, or by a ledger or blocking fastened to the girder.

Be sure to check web filler requirements for hangers

Verify capacity and fastening requirements of hangers and connectors

E3

I-JOIST HEADER

Verify web filler/stiffener requirements for hangers

See Double I-Joist Connection detail

Web Filler (as backer block)

Filler blocks

Verify all hanger connections

See I-Joist Header Cross-section for information on attaching web fillers and filler blocks

Refer to I-Joist Filler Thickness table for web filler (backer block) and filler block sizes

E4

I-JOIST HEADER CROSS-SECTION

Web filler (as backer block)

Verify web filler / stiffener requirements for hangers

Filler block(s)

Supported hanger (top-mount shown)

Web Filler/Backer Block: Backer blocks shall be at least 12" long and located behind every supported hanger. For a single I-Joist header, install backer blocks to both sides of the web. Two pieces of 2 x 8 (min.) lumber cut to the proper height (see notes 2 & 3). For example, for a long 2 x 8 it may be stacked vertically to achieve the filler depth. For an 8d nailing schedule, the filler depth to the web shall be 1-7/8". Header filler blocks with no nails (2x8 or 2x10) may be used. Header filler blocks shall be at least 12" long and shall be at least 1/4" deep for 10d nails and deeper. For double headers, install light to bottom flange. For double headers, additional nailing may be required to transfer point loads. For additional information, contact your LP Substituted Engineered Wood Products Distributor.

1. Backer blocks and filler blocks shall consist of APA Rated wood structural panel (OSB or plywood), 2 x lumber (SPF or better), or LPS SolidStart® LVL, LVL or OSB filler blocks, with no nail lines extended to their edges in the header. Thickness table below.

2. Except as noted in 3, backer blocks and filler blocks shall fit the clear distance between hangers with a gap of at least 1/8", but not more than 1/2", and shall be at sufficient depth to allow for all hanger nailing into the web. Do not force into place.

3. Backer blocks and filler blocks for double systems that are top-loaded only or side-loaded supporting top-mount hangers that do not require nailing into the web, shall be at least 12" deep for 8d nails or 14" deep for 10d nails, and shall be at least 1/4" deep for 10d nails and deeper.

4. Install backer blocks tight to top flange for top-loaded joints and for joints supporting top-mount hangers (shown). Install light to bottom flange for double headers.

5. Header filler blocks shall be at least 12" long and shall be at least 1/4" deep for 10d nails and deeper.

6. For double headers, additional nailing may be required to transfer point loads. For additional information, contact your LP Substituted Engineered Wood Products Distributor.

E5

DOUBLE I-JOIST CONNECTION

Floor sheathing to be glued and nailed to flanges of both plies

Filler Block Thickness Table

LPI 18, 20Plus, 32Plus = 2-1/8"

LPI 36 = 1-7/8"

LPI 42Plus, 52Plus, 56 = 3"

Filler Block

Filler Blocks: Install in minimum 4' long sections at each support, centered behind each supported hanger and at no more than 8' oc. Lumber fillers may be stacked to achieve the required depth (see notes 2 & 3). For example, two 4' long 2 x 8's may be stacked vertically to achieve the filler depth for an 18" deep I-joist (min. required depth is 18" - 3" - 1" = 14"). Attach filler blocks with 8d nails (10d for flanges wider than 2-1/2") nails spaced 6" oc per row. Use one row of nails in each row of stacked fillers, with a minimum of two rows of nails. Drive every other nail from opposite sides.

Fastener Installation Requirements

For Multiple 1 3/4" Pieces of Top-Loaded Beams

2 Ply Members

3 Rows* 10d (0.128" x 3") Nails @ 12" o.c. - One Side

3 Ply Members

3 Rows* 10d (0.128" x 3") Nails @ 12" o.c. - Both Sides

4 Ply Members

2 Rows 6 3/4" SDW22 Screws @ 24" o.c.

* An Additional Row of Nails is Required With Depths of 14" or Greater

When fasteners are required on both sides, stagger fasteners on the second side so they fall halfway between fasteners on the first side.

Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams

Multiple pieces can be nailed or bolted together to form a header or beam of the required size, up to a maximum width of 7"

P1

TOP LOADED BEAM-NAILED CONNECTION

(See Connection Assemblies for more details)

Minimum nail sizes:

1-3/4" and 2" plies:

16d box (3-1/2"x 0.135")

1-1/2" plies:

10d box (3"x 0.128")

12" o.c.

Two rows for depths up to 12"

Three rows for depths up to 18"

Framing is applied to top of the beam so that each ply carries an equal load

P2

TOP LOADED BEAM-BOLTED CONNECTION

(See Connection Assemblies for more details)

Framing is applied to top of the beam so that each ply carries an equal load

3"

3"

2'-0"

1/2" diameter ASTM grade A-307 (or better) bolts. Use washers on both faces.

Fastener Installation Requirements

For Multiple 1 3/4" Pieces of Side-Loaded Beams

Maximum Uniform Load Applied to Either Outside Member (lbs)

Fastener Type	Number of Rows	Fastener On-Center Spacing	Fastener Pattern		
10d (0.128" x 3") Nail ⁽¹⁾	3	12"	555	415	
	4	12"	740	555	
6 3/4" SDW22	3	12"			1,200

* **Bold italic cells indicate that fastener pattern must be installed from both sides ***

(1) Nailed connection values may be doubled for 6" on-center or tripled for 4" on-center nail spacing.

Fastener Installation Requirements

For Multiple 1 3/4" Pieces of Side-Loaded Beams

Maximum Point Load Applied to Either Outside Member (lbs)

8 Screw Connection Value = 3,200 lbs.

16 Screw Connection Value = 6,400 lbs.

Additional rows would be required.

8- Screw Connection

6 3/4" SDW22 screws, typical

2"

Equal spacing

1 1/2"

Huskey

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