

Note: All non-structural roof members are not included in this design quote.  
 Note: Beam Sizes may have been re-designed due to design load.

**Ceiling Framing LVL/LSL (Dropped)**

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
D1	2.0E Rigidiam LVL	1.75	16	1	3	3	14-0-0



(800) 700-4788  
 techplans@eewp.com

**Installation Guide**

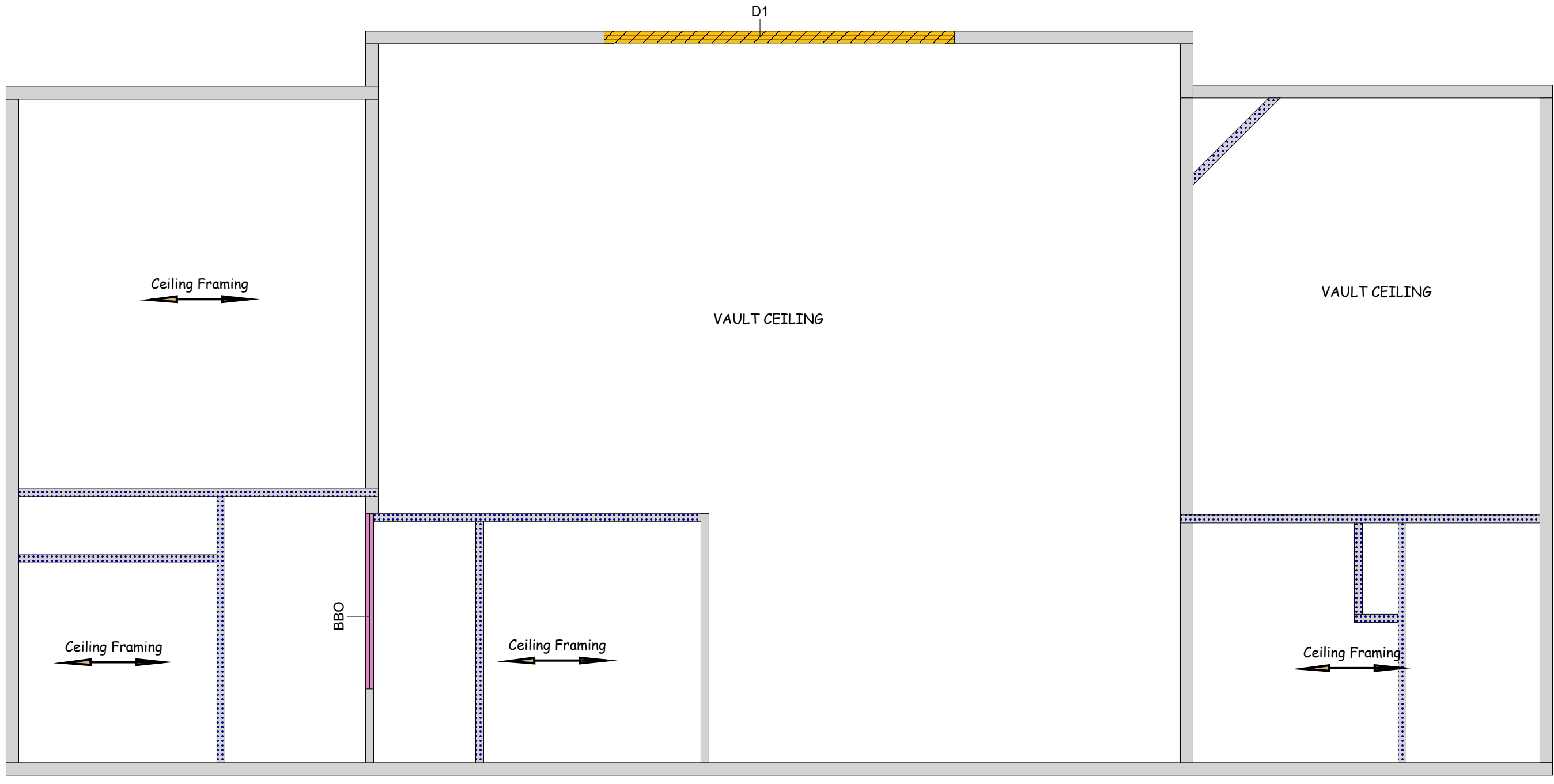
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- NOTES:**
- Joist layout shown is to assist with estimate and joist location. Contractor is responsible to see that joist and LVL locations do not interfere with plumbing or mechanical equipment.
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  - Refer to details in the installation guide prior to construction.
  - This design layout is to be used as a guide only and is meant to be used in conjunction with the architectural and structural drawings, not to replace them.
  - BBO = Beam By Others
  - EGB = End Grain Bearing
  - SFB = Steel Fitch Plate Beam By Others
  - BHB = Better Header Beam

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**Legend**

	Load from Above
	Wall
	2.0E Rigidiam LVL 1.75 X 16 (Dropped)
	D FFR-L SS 1.5 X 8.25 1.75 X 9.25



**\*PRELIMINARY LAYOUT\***

**Description**  
 Langdon Residence, ., NC, USA

**Dealer**  
 J.E. Wombles

**Sales Rep**  
 Robbie McNeill

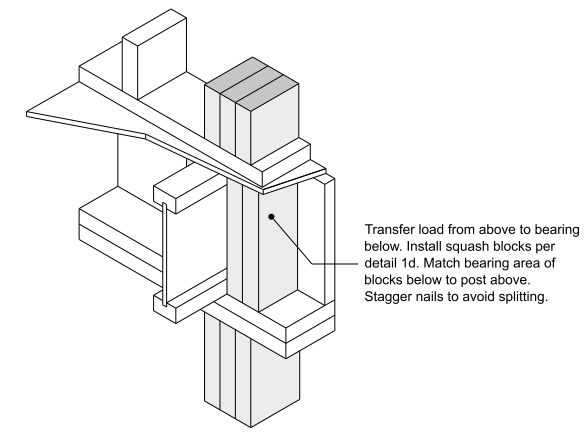
**Designer**  
 Mike Heller

**Revisions:**

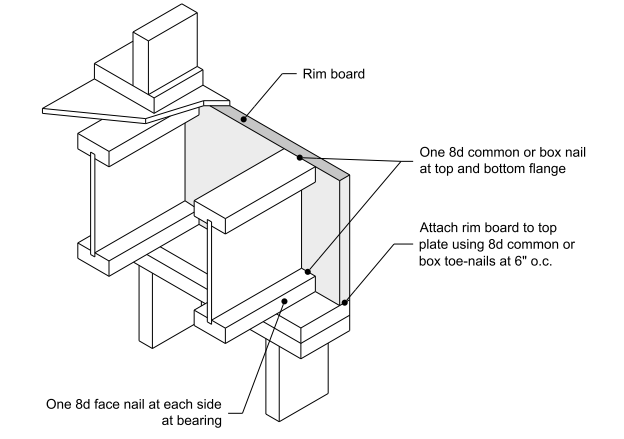
**Scale 1/4 inch : 1 ft**

<b>Ceiling Framing</b>	ASD (USA)
Design Method	IRC 2018
Building Code	
<b>Floor Loads</b>	
Live	20
Dead	10
<b>Deflection Joist</b>	
LL Span L	480
TL Span L	240
<b>Deflection Flush Girder</b>	
LL Span L	360
TL Span L	240
<b>Deflection Dropped Girder</b>	
LL Span L	360
TL Span L	240
<b>Deflection Header</b>	
LL Span L	360
TL Span L	240
<b>Decking</b>	OSB
	23/32 APA Rated Sturd-I-Floor
Fastener	Nailed & Glued
<b>Project</b>	22-2554JE

1a

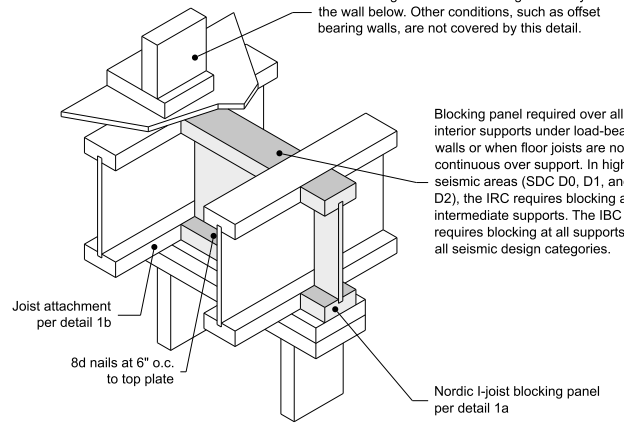


1b



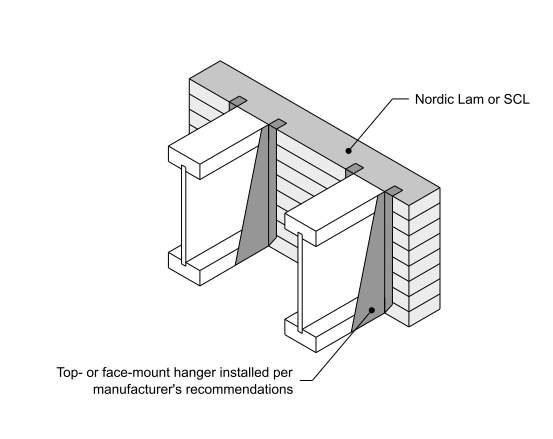
Note:  
1. To avoid splitting, stagger nails at least 1-1/2 inch from end of joist. Nails may be driven at an angle to avoid splitting of bearing plate.

1c



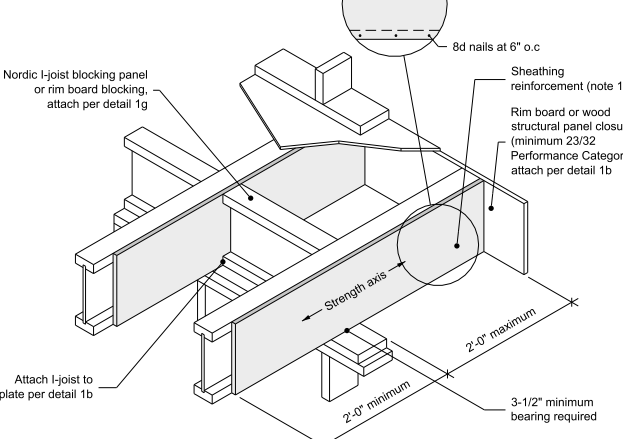
Note:  
1. An occasional blocking panel (one per line of blocking) may be left out for the passage of plumbing or ventilation ducts. For other applications, contact Nordic Structures.  
2. For other options, see detail 1g 1b, 1g1d.

1d



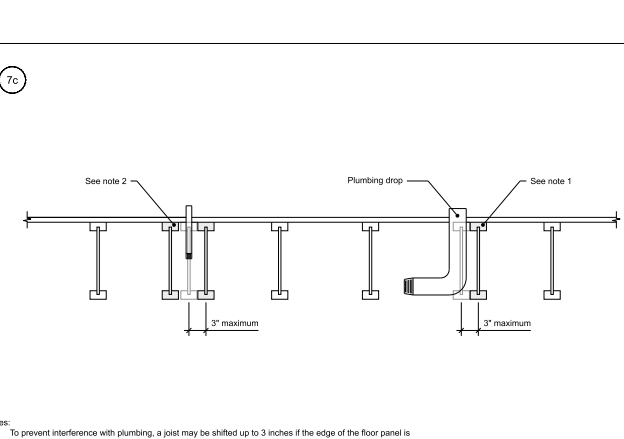
Note:  
1. L-truss hanger sides laterally support the top flange. Bearing stiffeners shall be used.  
2. For racking schedules for multiple Nordic Lam or SCL beams, see the manufacturer's recommendations.

1e



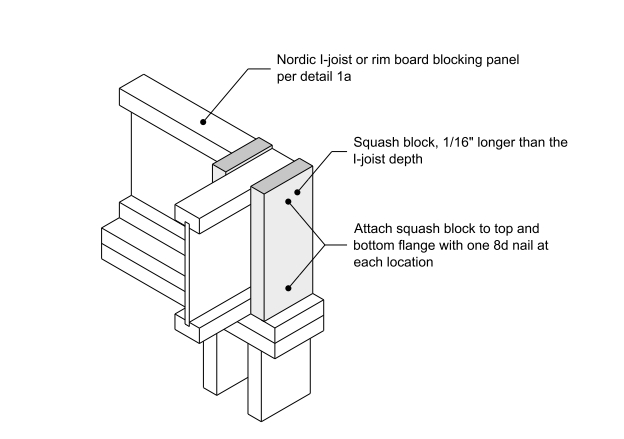
Note:  
1. APA Rated Sheathing 4024 or APA Rated Plywood 24 or minimum 23/32 Performance Category required on one side of plate. Depth shall extend the full height of the plate. Use with 8d nails at 8 inches o.c. Top and bottom flange tied with two green horizontal straps (one tied to plate at all supports per detail 1a).  
2. Construction joints must be properly spaced to support all design loads. Refer to table 1 of the Nordic Joist Technical Guide for details.  
3. Blocking is required along the cantilever supports.  
4. Refer to detail 1g for face or lateral supports under blocking panels.

1f



Note:  
1. This drawing is not intended to be used as a construction document.  
2. Refer to the manufacturer's installation guide for details on the use of the joist panels.

1g



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**Roof Framing**  
**Joist (Flush)**

Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J7	NI-90	3.5	11.875	18	2	36	36-0-0
J8	NI-90	3.5	11.875	25	2	50	38-0-0

**Blocking**

Label	Description	Width	Depth	Qty	Pcs	Length
B1	NI-90	3.5	11.875		84	2-0-0



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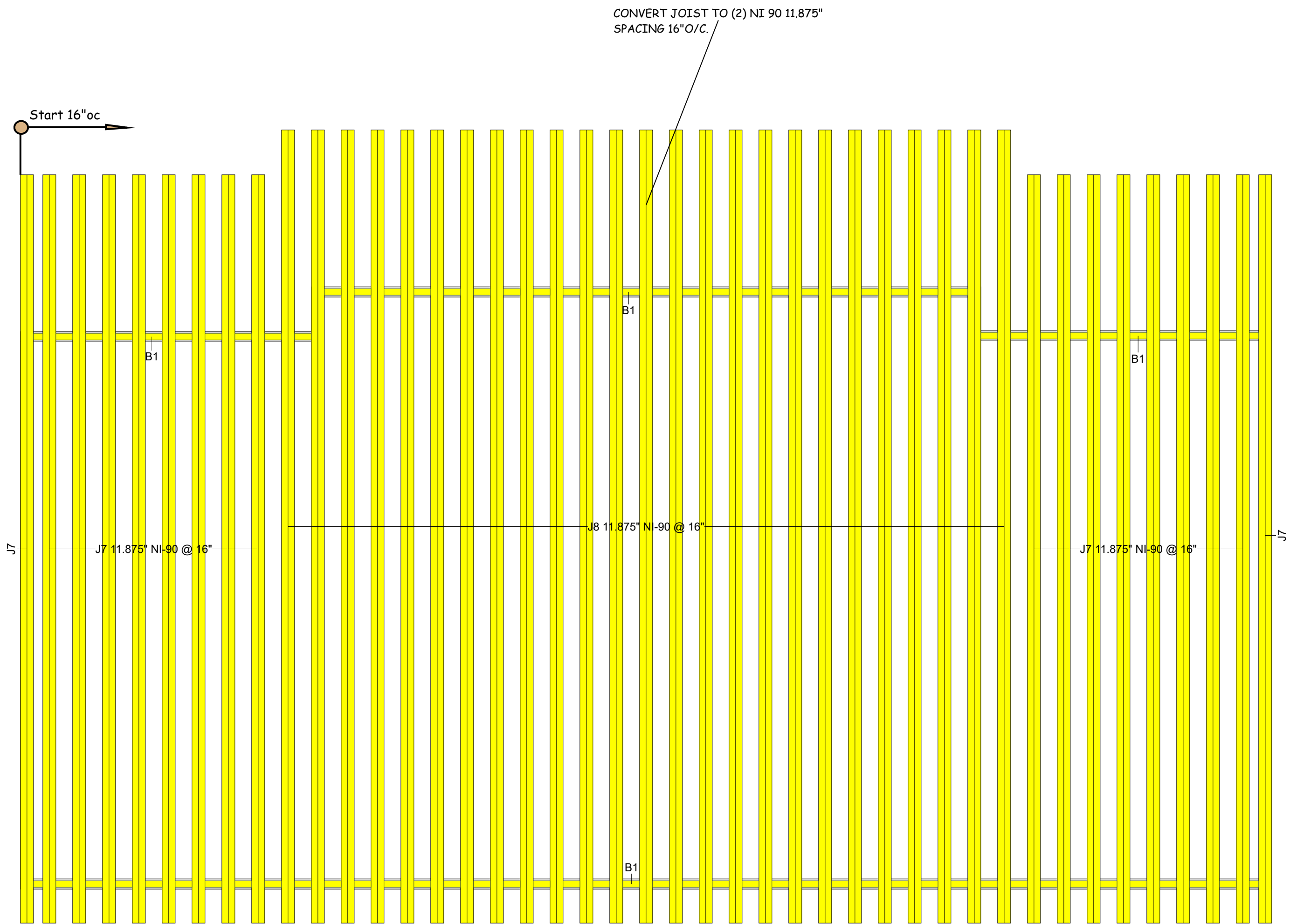
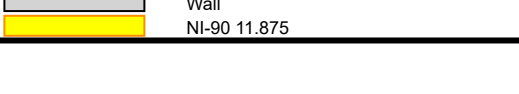
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**Legend**



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22-2554JE