

7601 BOEING DRIVE
GREENSBORO, NC 27409
V (336) 884-5454

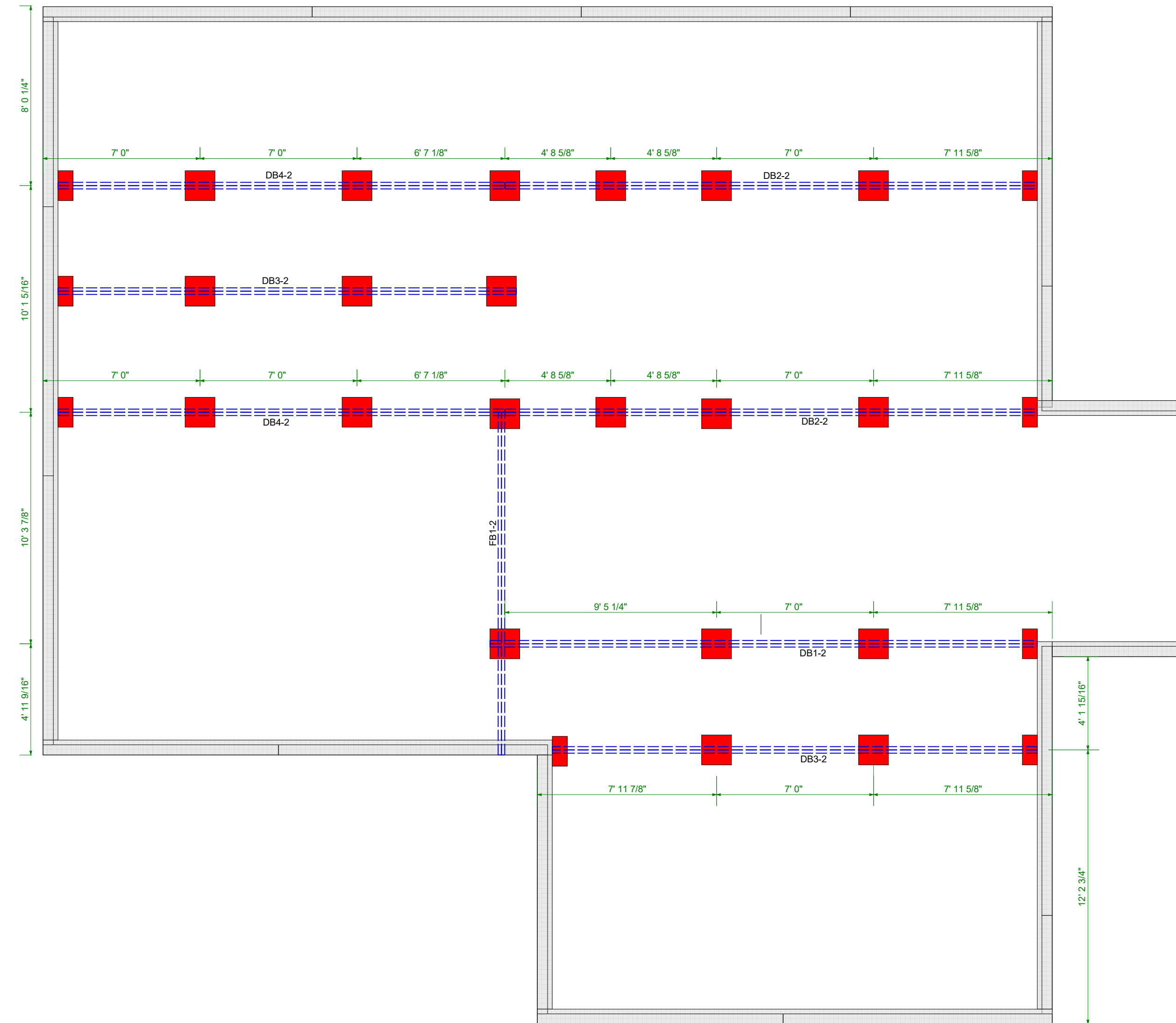
4575 HAMPTON ROAD
CLEMMONS, NC 27409
V (336) 712-9910

1135 ROBESON STREET
FAYETTEVILLE, NC 28305
V (910) 485-1111

3189 NC HIGHWAY 5
ABERDEEN NC 28315
V (910) 944-2516

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- GENERAL NOTES:**
- 1.) READ THE INSTALLATION GUIDE BEFORE FRAMING.
 - 2.) ALL WALLS SHOWN ARE LOAD BEARING UNLESS NOTED OTHERWISE. WALLS NOT SHOWN ARE CONSIDERED NON-LOAD BEARING.
 - 3.) UNLESS STATED OTHERWISE ALL CEILING & ROOF LOADS BRACE DIRECTLY TO LOAD BEARING WALLS SUPPORTED BY FOUNDATION.
 - 4.) CONTACT BUILDERS FIRSTSOURCE BEFORE MAKING ANY ALTERATIONS OR ADJUSTMENTS...FAILURE TO DO SO MAY RESULT IN COSTLY REPAIRS.



MABUS

MENDENHALL

FOUNDATION PIER PLACEMENT PLAN

Builders FirstSource, Central Carolina Markets

DRAWN BY: JOE DAVIS

DATE: 4/2/2024

JOB NUMBER: 37694119

SCALE: 1/4" = 1'

MINIMUM DESIGN DATA

LIVE LOAD 40 PSF
DEAD LOAD 10 PSF

TOTAL LOAD 50 PSF

DOL = 100%

DEFLECTION CRITERIA
L/480 (MINIMUM)

ARCHITECTURAL PLAN DATE

XX-XX-XX

REVISED ARCH. PLAN DATE

XX-XX-XX

XXXXXXXX

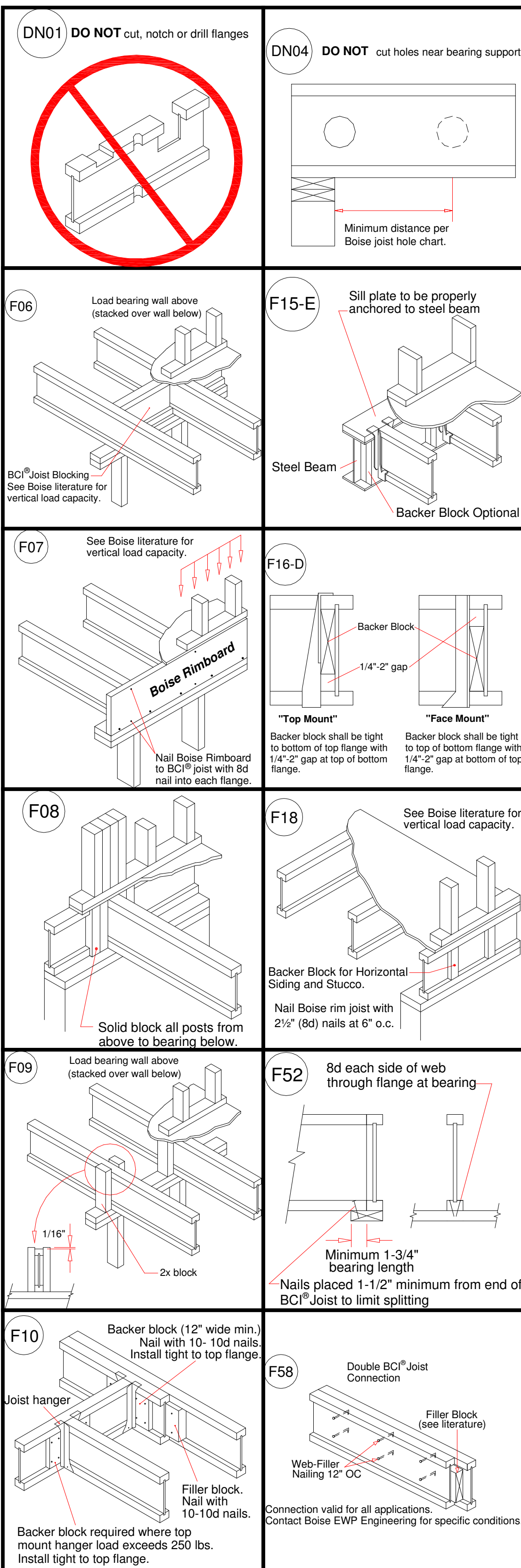
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GENERAL NOTES & DESIGN ASSUMPTIONS

ALL DIMENSIONAL LUMBER DROPPED GIRDERS ARE NOT INCLUDED WITH THE EWP PACKAGE AND NEED TO BE ORDERED BY CONTRACTOR.

Minimum Foundation Recommendations			
LOADING AT PIER (lbs)	FOOTING SIZE (Minimum)	INTERIOR PIER SIZE (Minimum)	REINFORCEMENT (Each Way)
0 - 7,500	24" x 24" x 8"	8" x 15"	Not Required
7,500 - 12,000	32" x 32" x 10"	15" x 16"	Not Required
12,000 - 17,000	36" x 36" x 10"	15" x 16"	Not Required
17,000 - 21,000	40" x 40" x 12"	15" x 16"	Not Required
21,500 - 30,000	48" x 48" x 12"	15" x 24"	(6) #4 Rebar
OVER 30,000	Piers with loads of 30,000lbs and over must be designed individually by an engineer of record.		

Footing sizes are based on 2,000 psf allowable soil bearing and 3,000 psi concrete.



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 ALL 2x4, 2x6 & 2x8 ARE SPF #2 (UNO)
 ALL 2x10 & 2x12 JOISTS ARE SYP #2 (UNO)
 ALL RIDGES AND HIP RAFTERS ARE 2x10 or 2x12 (UNO)
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 #J = NUMBER OF 2x4 SPF #2 JACK STUDS REQUIRED (LVL POST PT#)

Joist & Rafter Area Loads	Live Load psf	Dead Load psf
Primary Living	40	10
Secondary & Attic Permanent Stairs	30	10
Ceiling - Limited Storage	20	10
Ceiling - No Storage	10	5
Roof - No Ceiling Load	20	10
Flat Roof or Cathedral w/Drywall Ceiling	20	15

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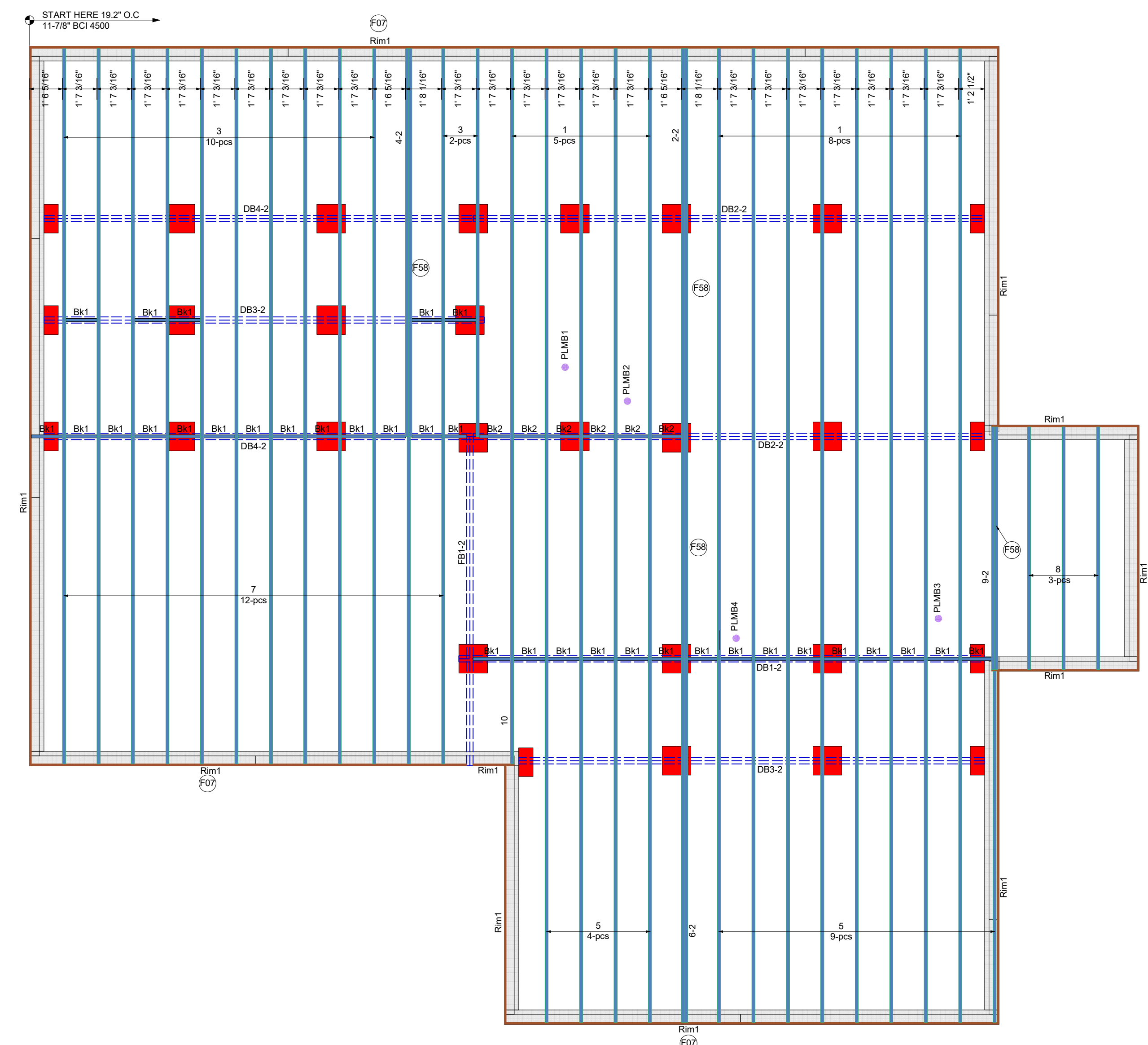
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Products				
PlotID	Length	Product	Plies	Net Qty
8	12' 0"	11-7/8" BCI@ 4500s-1.8	1	1
Bk1	22' 0"	11-7/8" BCI@ 4500s-1.8	1	1

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MABUS
MENDENHALL
 FIRST FLOOR EWP PLACEMENT PLAN

Builders FirstSource, Central Carolina Markets
 DRAWN BY: JOE DAVIS
 DATE: 4/2/2024
 SCALE: 1/4" = 1'

JOB NUMBER: 37694119

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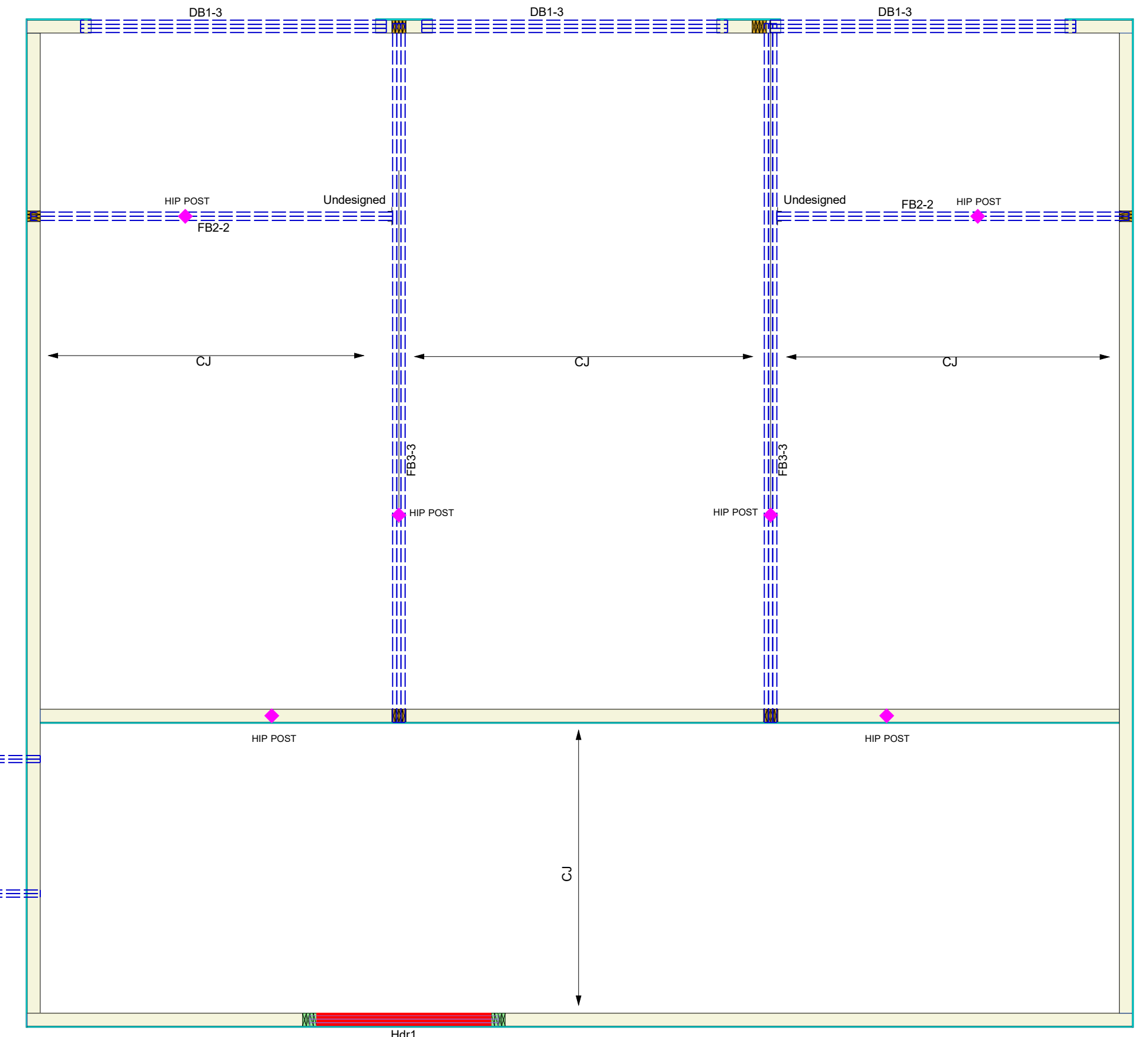
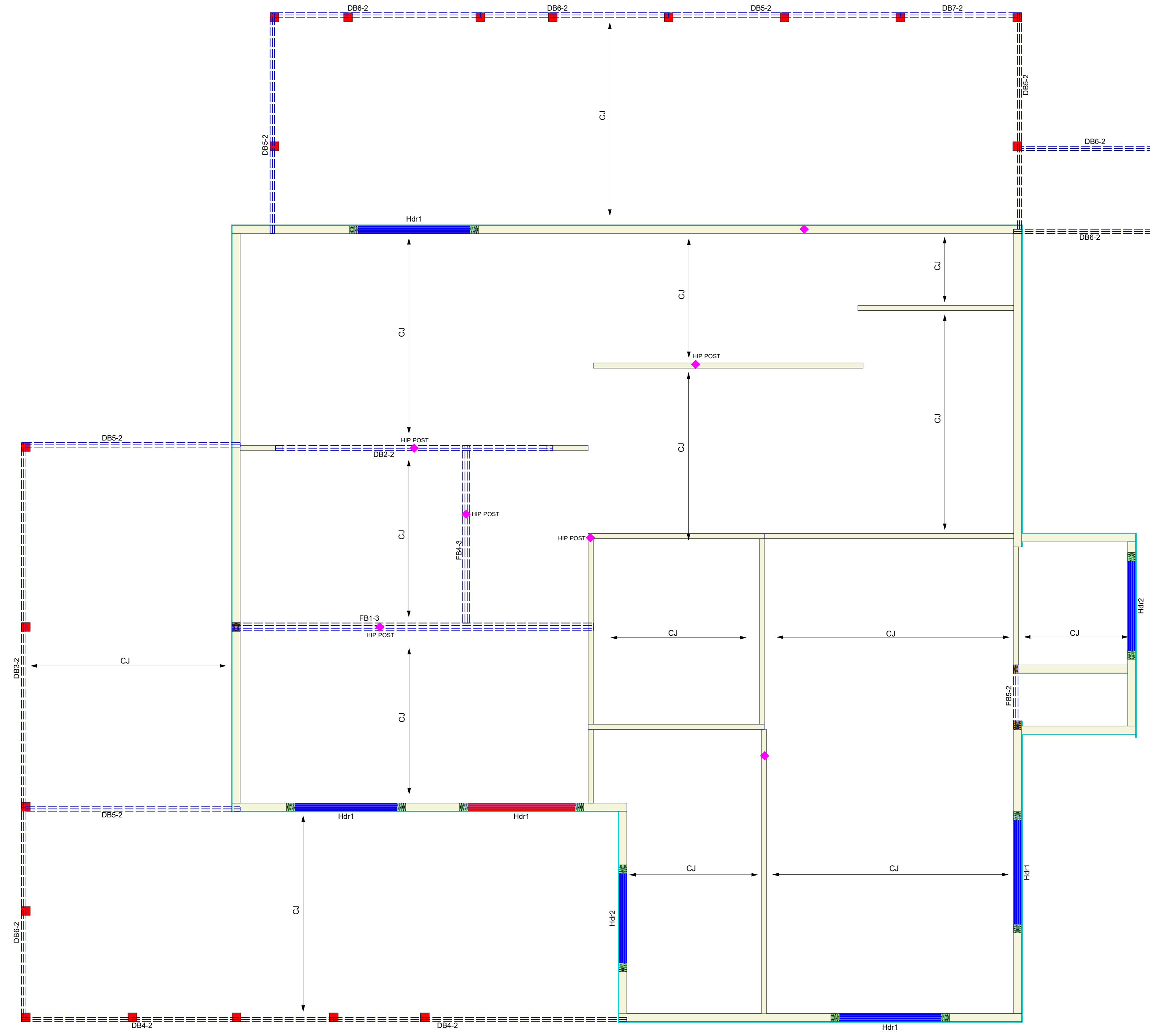
ARCHITECTURAL PLAN DATE
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GENERAL NOTES & DESIGN ASSUMPTIONS

- ◆ = POSTING FROM VALLEY OR HIP
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◆ Indicates Point Load From Hip Or Valley

Products				
PlotID	Length	Product	Plies	Net Qty
DB1-3	12' 0"	1-3/4" x 9-1/4" VERSA-LAM® LVL 2.1E 3100 SP	3	9
FB1-3	22' 0"	1-3/4" x 11-7/8" VERSA-LAM® LVL 2.1E 3100 SP	3	3
FB2-2	14' 0"	1-3/4" x 11-7/8" VERSA-LAM® LVL 2.1E 3100 SP	2	4
FB3-3	26' 0"	1-3/4" x 14" VERSA-LAM® LVL 2.1E 3100 SP	3	6
DB2-2	16' 0"	1-3/4" x 14" VERSA-LAM® LVL 2.1E 3100 SP	2	2
DB3-2	22' 0"	2x10 SP No.2	2	2
DB4-2	18' 0"	2x10 SP No.2	2	4
DB5-2	14' 0"	2x10 SP No.2	2	10
DB6-2	12' 0"	2x10 SP No.2	2	10
FB4-3	12' 0"	2x10 SP No.2	3	3
DB7-2	8' 0"	2x10 SP No.2	2	2
FB5-2	4' 0"	2x10 SP No.2	2	2
Bk1	195' 0"	2x6 SP No.2	1	1
Bk2	34' 0"	2x8 SP No.2	1	1

Wall Framing				
PlotID	Length	Product	Plies	Net Qty
Hdr1	8' 0"	2x10 SP No.2	3	18
Hdr2	6' 0"	2x10 SP No.2	3	6



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 Builders FirstSource, Central Carolina Markets
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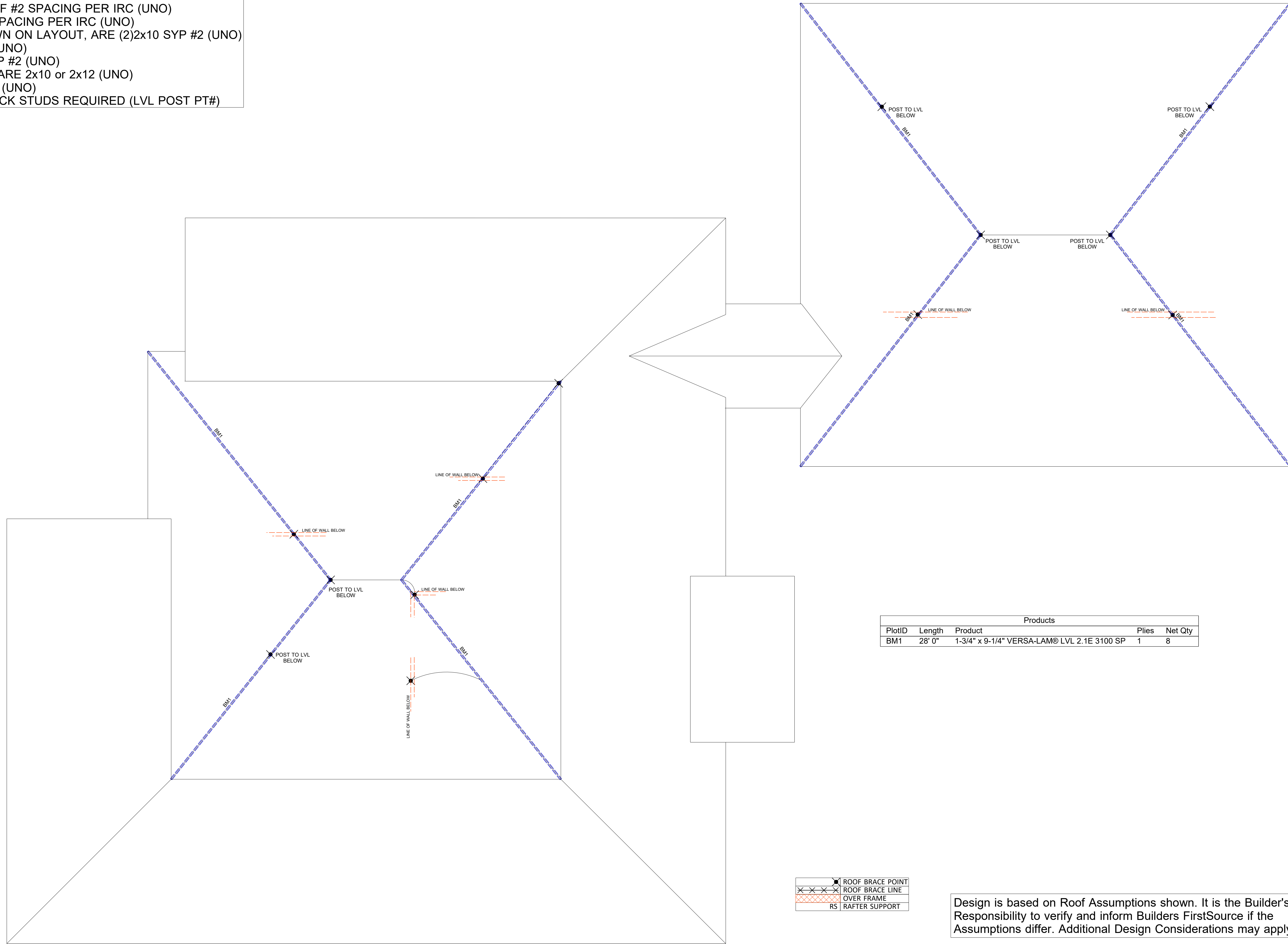


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PlotID	Length	Product	Plies	Net Qty
BM1	28' 0"	1-3/4" x 9-1/4" VERSA-LAM® LVL 2.1E 3100 SP	1	8

Design is based on Roof Assumptions shown. It is the Builder's Responsibility to verify and inform Builders FirstSource if the Assumptions differ. Additional Design Considerations may apply.

Builders FirstSource Assumes that Ceiling Joist and Rafters are properly attached to provide a Code-Prescribed Rafter Tie (i.e. Compression Roof System) unless noted otherwise. It is the Builder's Responsibility to frame the roof in accordance with the Code. Please inform Builders FirstSource if framing conditions differ from assumptions. Additional Design Considerations may apply.

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ROOF EWP PLACEMENT PLAN

Builders FirstSource, Central Carolina Markets

DRAWN BY: JOE DAVIS

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