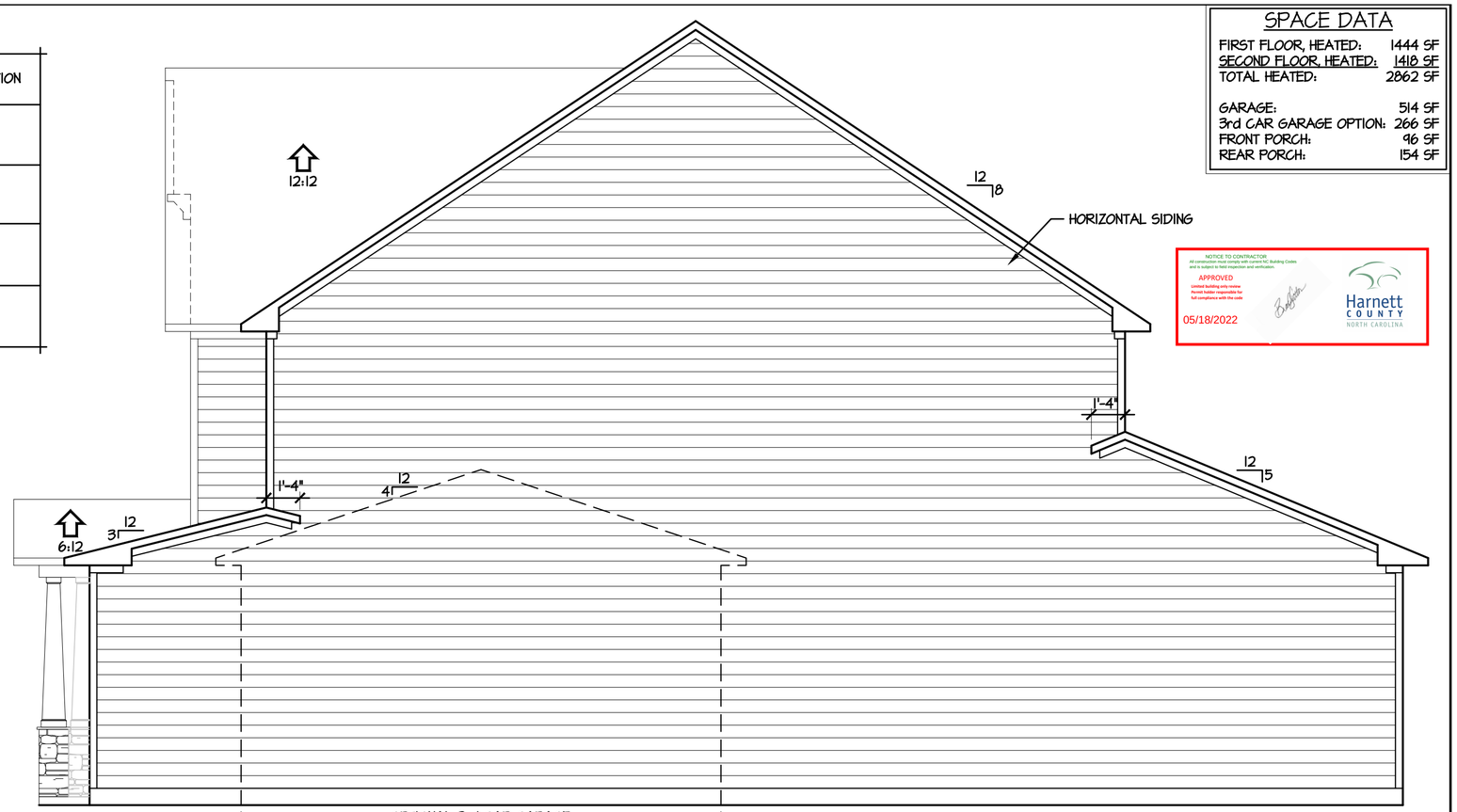
LIST OF SYMBOLS

SECTION / SHEET	SECTION MARK		DATUM ELEVATION
DETAIL / SHEET	DETAIL MARK	12:12	SLOPE UP
TITLE / SCALE	TITLE MARK		EARTH
	INTERIOR BEARING WALL		INSULATION
n	NUMBER OF GANG STUDS In WALL		

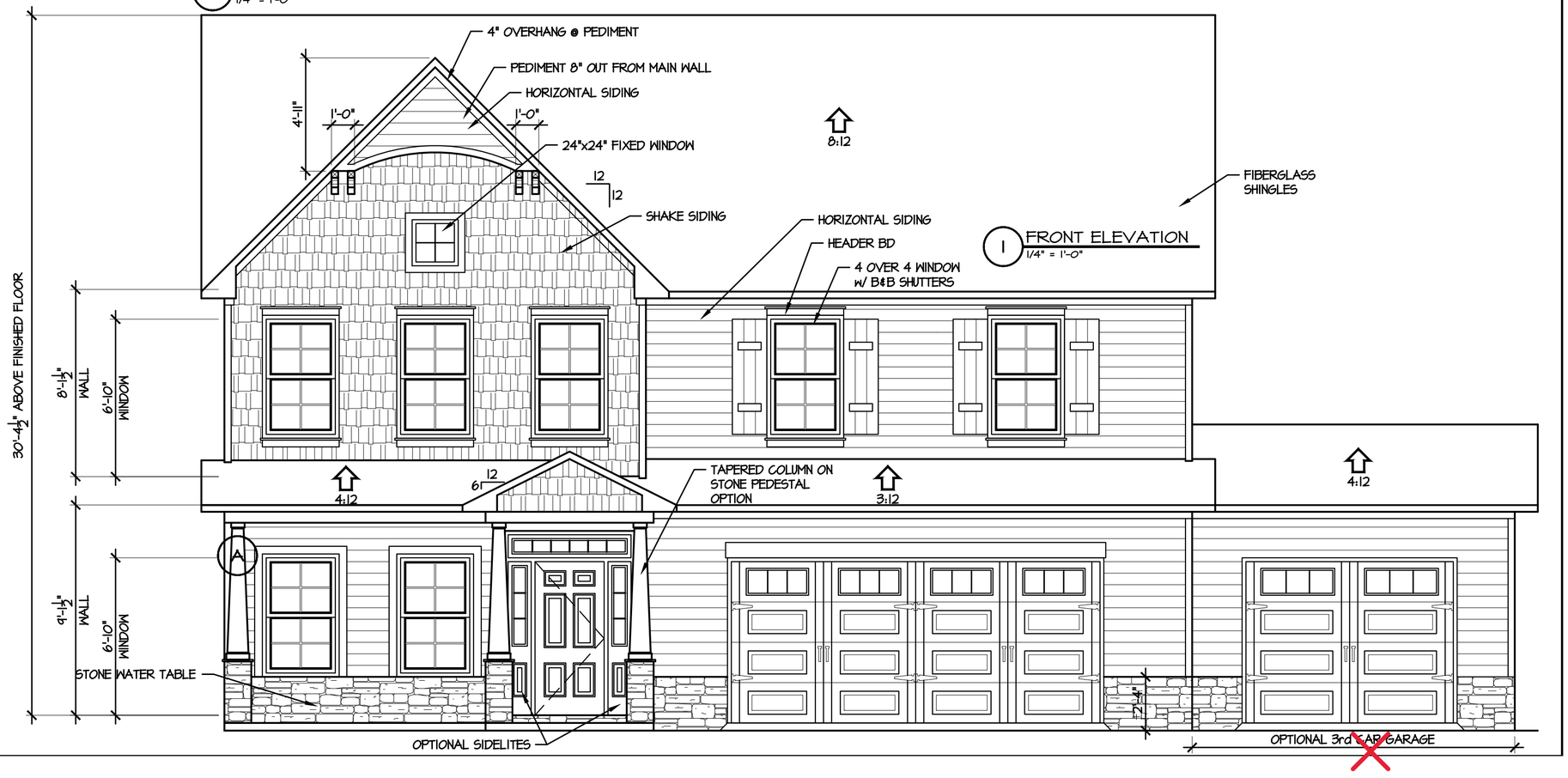
TABLE OF CONTENTS

SPACE DATA

FIRST FLOOR, HEATED:	1444 SF
SECOND FLOOR, HEATED:	1418 SF
TOTAL HEATED:	2862 SF
GARAGE:	514 SF
3rd CAR GARAGE OPTION:	266 SF
FRONT PORCH:	96 SF
REAR PORCH:	154 SF



2 RIGHT SIDE ELEVATION
1/4" = 1'-0"



NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.
APPROVED
Limited building only review
Permit holder responsible for full compliance with the code
05/18/2022
Harnett COUNTY NORTH CAROLINA

Caviness Land

NATIONAL COUNCIL OF BUILDING DESIGNER CERTIFICATION
TODD TUCKER 34 - 156

1041-B Robeson St
Fayetteville, NC 28305
Office: 910-339-6330
Fax: 910-339-6333

CL 2862

ELEVATIONS

SCALE: AS NOTED

DATE: APRIL 2019

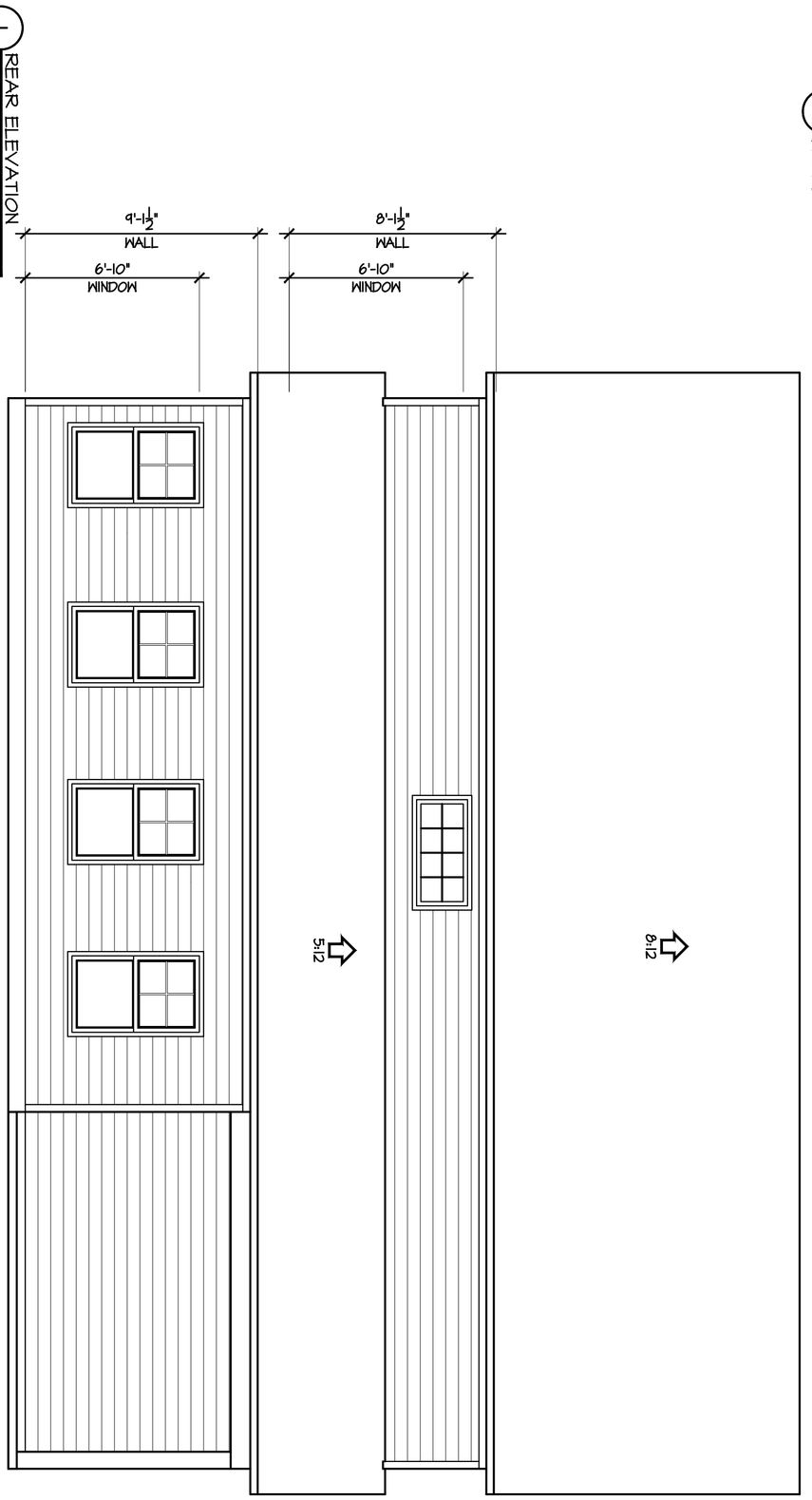
PLAN: CL 2862

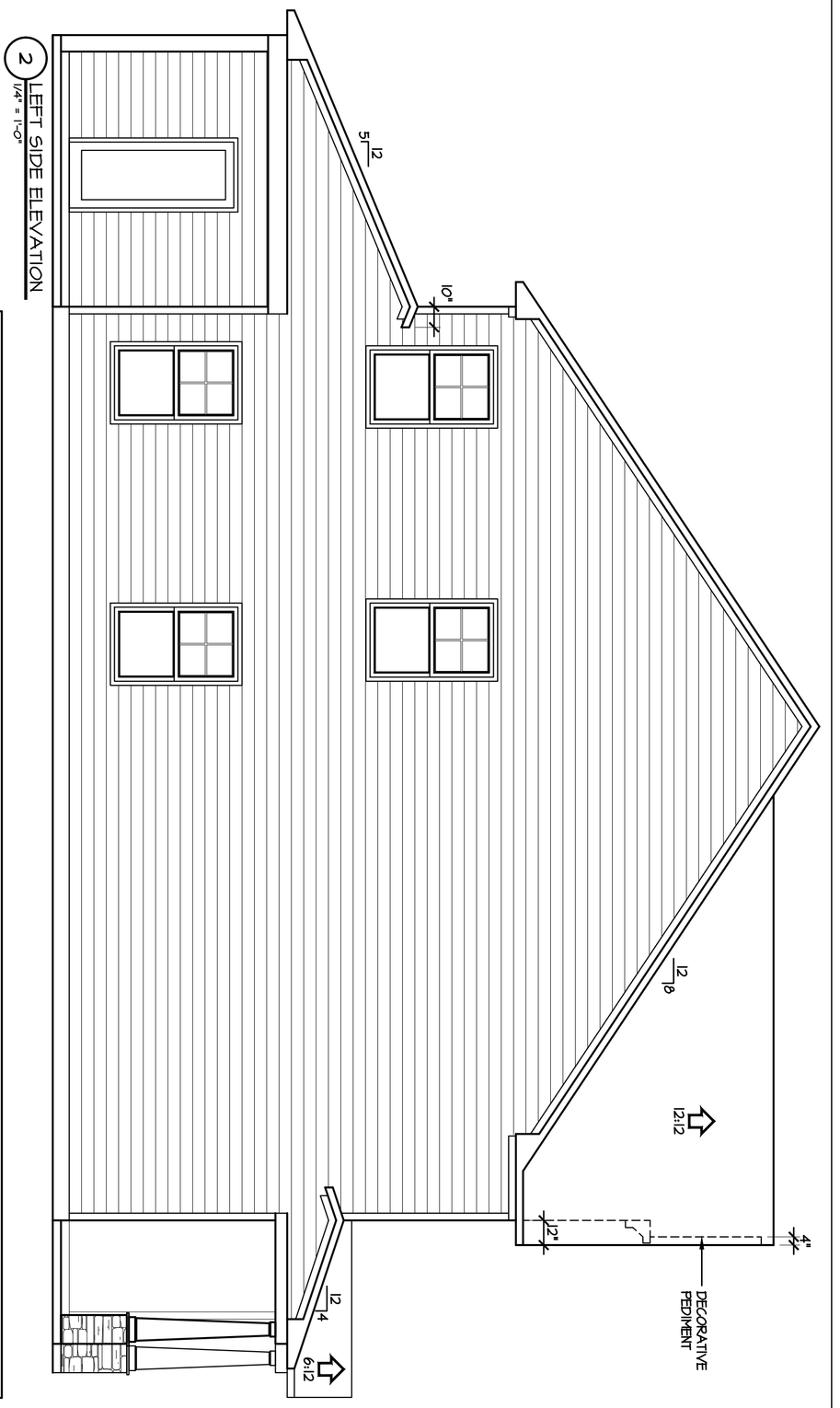
LOT NO:

SHEET NO: 1

LIST OF ABBREVIATIONS

ACCESS	ACCESS TO ATTIC OR CRAWL SPACE
AFF	ABOVE FLOOR
BDRM	BEDROOM
BM	BEAM
CAB	CABINETS / CABINETRY
CJ	CONTROL JOINT
℄	CENTERLINE
CMU	CONCRETE MASONRY UNIT
CO	CLEAR OPENING
COL	COLUMN
CONC	CONCRETE
CSMT	CASEMENT
DBL	DOUBLE
DIAM	DIAMETER
DH/SH	DOUBLE HUNG / SINGLE HUNG WINDOW
DN	DOWN
DP	DEEP
DW	DISH WASHER
EQ	EQUAL
FDN	FOUNDATION
FV	FOUNDATION VENT
GL	GLASS (DOOR)
HB	HOSE BIB
HDR	DOOR / WINDOW / OPENING HEADER
HVAC	HEATING, VENTING & AIR CONDITION
KWALL	KNEEWALL
LVL	LAMINATED VENEER LUMBER
MAN'F	MANUFACTURED
MAS	MASONRY
NIC	NOT IN CONTRACT
OC	ON CENTER
OH	OVERHANG
OPNG	OPENING
PCKT	POCKET DOOR
PERF	PERFORATED
PL	PLATE
PT	PRESSURE TREATED FOR EXPOSURE
PL	POINT LOAD (SOLID BLOCK)
R&S	ROD & SHELF (CLOSETS)
REF	REFRIGERATOR
REINF	REINFORCE(MENT)
RM	ROOM
SEG'M	SEGMENTED
SHWR	SHOWER
SHLV(S)	SHELVE(S)
SPEC('D)	SPECIFICATION / SPECIFIED
SQ	SQUARE
SST	SIMPSON STRONG-TIE OR EQUAL
SUBFLR	SUB-FLOOR
SYP	SOUTHERN YELLOW PINE
T.C.	TOP CHORD
TOW	TOP OF WALL
TRANS	TRANSOM
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V.B.	VAPOR BARRIER
VAN	VANITY
W	WIDE
W/	WITH
#SP	NUMBER OF STUD POCKETS @ WINDOW/DOOR JAMB





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NATIONAL COUNCIL OF BUILDING DESIGNER CERTIFICATION

TODD TUCKER 34 - 156

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1041-B Robeson St
Fayetteville, NC 28305
Office: 910-339-6330
Fax: 910-339-6333

CL 2862

ELEVATIONS

SCALE: AS NOTED

DATE: APRIL 2019

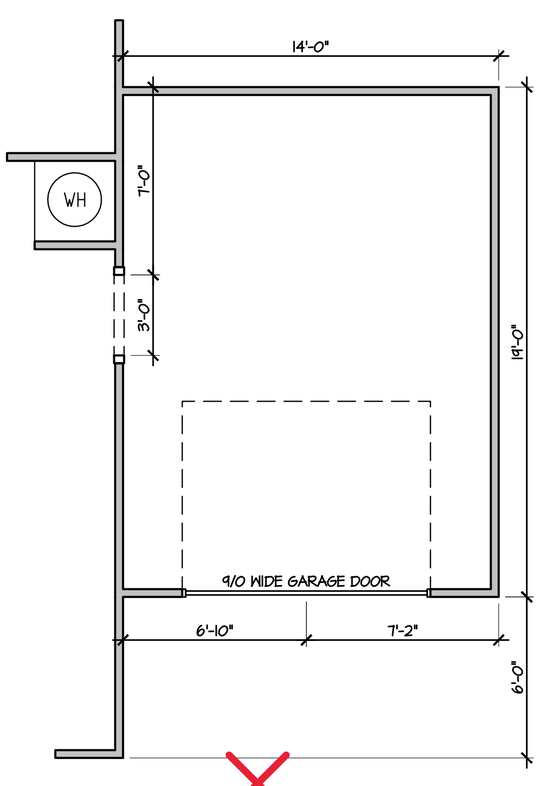
PLAN: CL 2862

LOT NO:

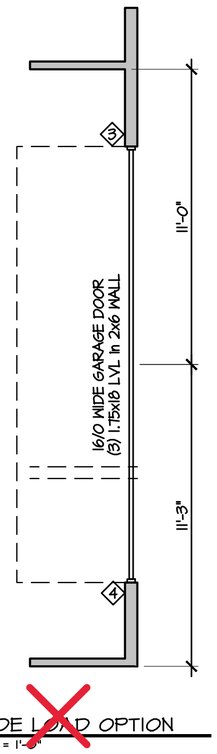
SHEET NO: 2

SPACE DATA

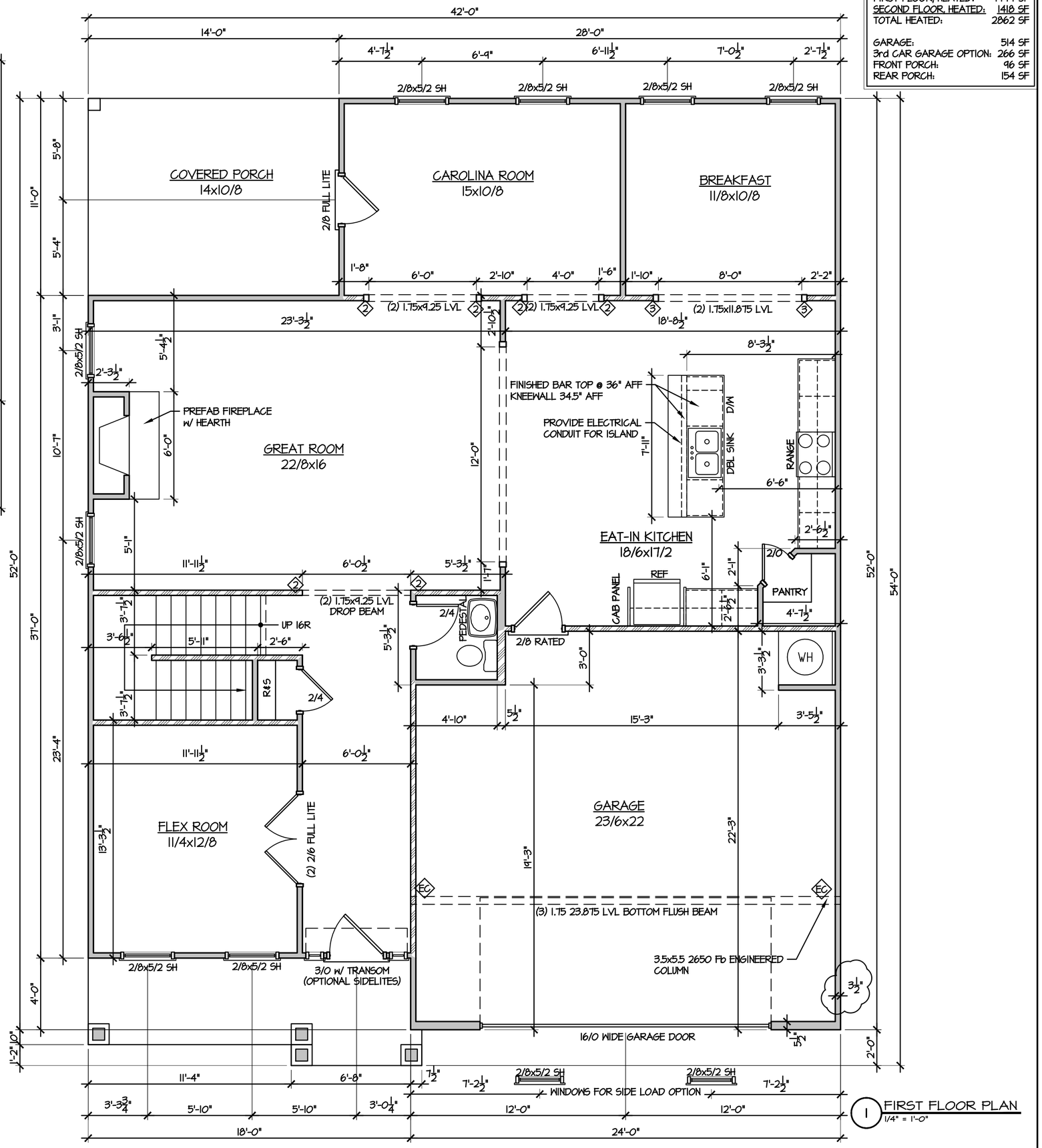
FIRST FLOOR, HEATED:	1444 SF
SECOND FLOOR, HEATED:	1418 SF
TOTAL HEATED:	2862 SF
GARAGE:	514 SF
3rd CAR GARAGE OPTION:	266 SF
FRONT PORCH:	96 SF
REAR PORCH:	154 SF



3 3rd CAR OPTION
1/4" = 1'-0"



2 SIDE LOAD OPTION
1/4" = 1'-0"



1 FIRST FLOOR PLAN
1/4" = 1'-0"

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Caviness Land

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CL 2862

FIRST FLOOR PLAN

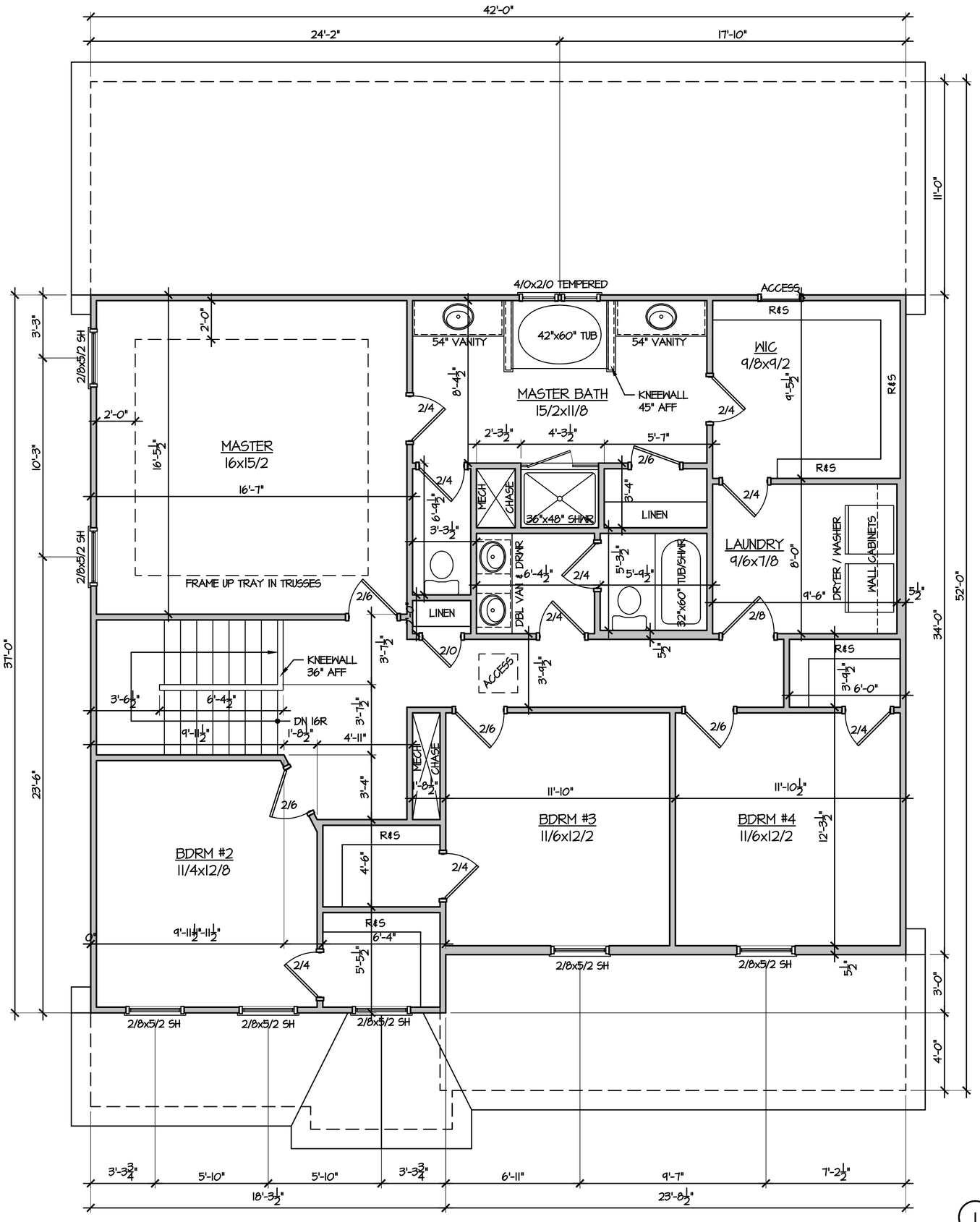
SCALE: AS NOTED

DATE: APRIL 2019

PLAN: CL 2862

LOT NO:

SHEET NO: 4



1 SECOND FLOOR PLAN
1/4" = 1'-0"

SPACE DATA

FIRST FLOOR, HEATED:	1444 SF
SECOND FLOOR, HEATED:	1418 SF
TOTAL HEATED:	2862 SF
GARAGE:	514 SF
3rd CAR GARAGE OPTION:	266 SF
FRONT PORCH:	96 SF
REAR PORCH:	154 SF

FIELD & REDLINE NOTES

Caviness Land

NATIONAL COUNCIL OF BUILDING DESIGNER CERTIFICATION

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CL 2862

SECOND FLOOR-4

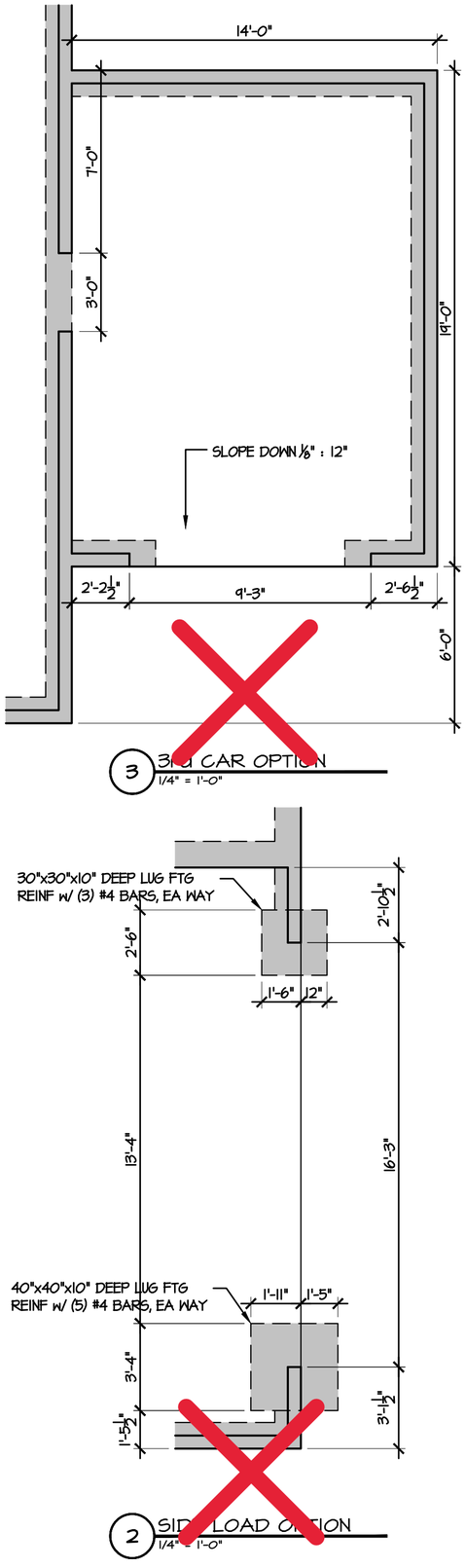
SCALE: AS NOTED

DATE: APRIL 2019

PLAN: CL 2862

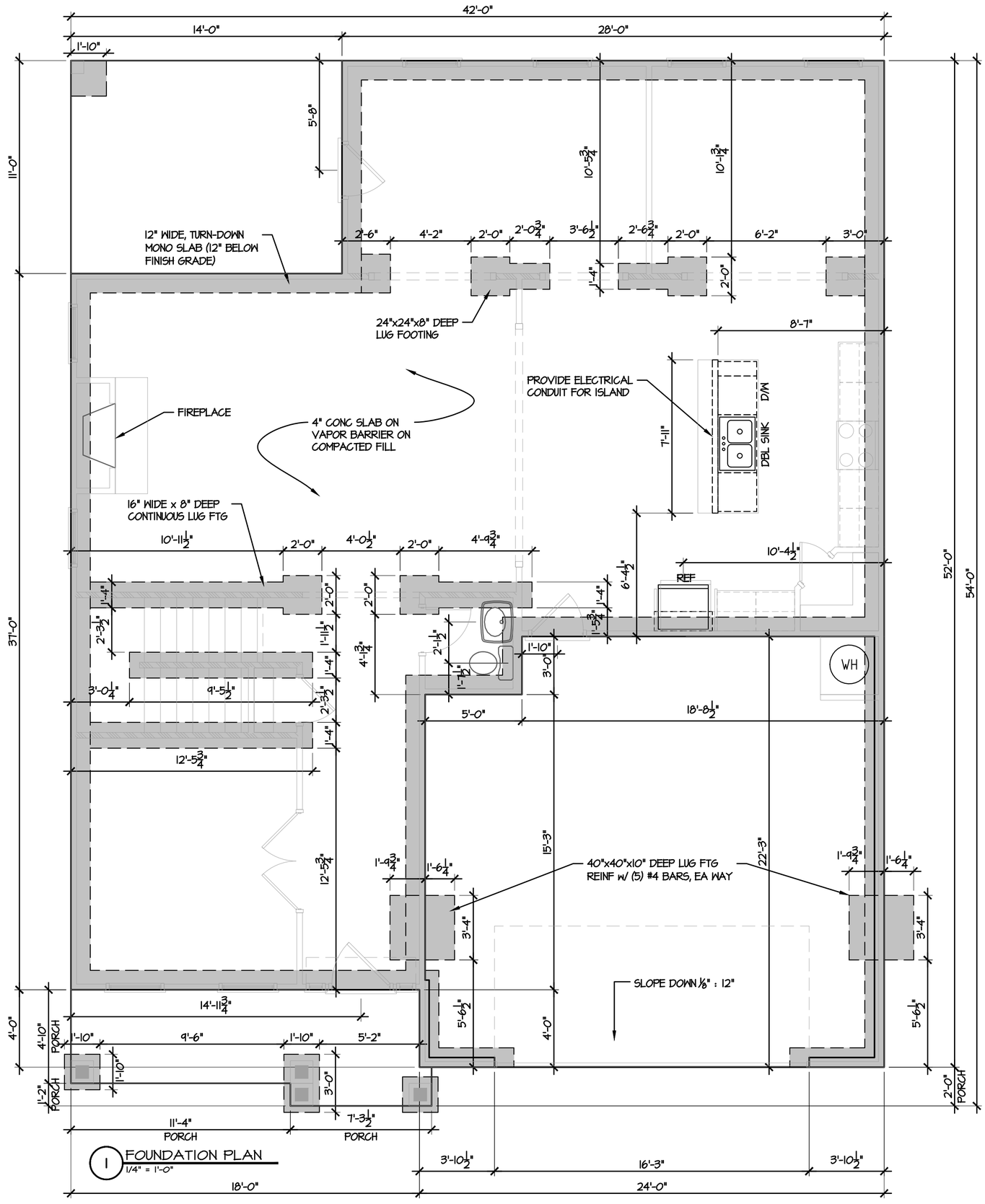
LOT NO:

SHEET NO: 5-4



3 3rd CAR OPTION
1/4" = 1'-0"

2 SIDE LOAD OPTION
1/4" = 1'-0"



1 FOUNDATION PLAN
1/4" = 1'-0"

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CL 2862

SLAB PLAN

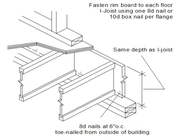
SCALE: AS NOTED

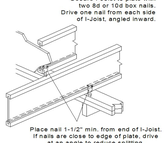
DATE: APRIL 2019

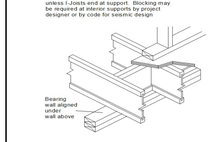
PLAN: CL 2862

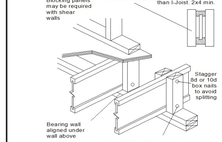
LOT NO:

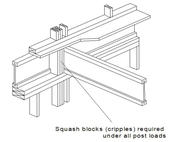
SHEET NO: 3

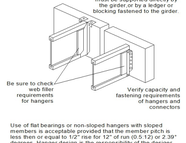


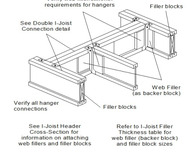


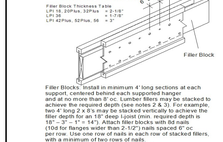


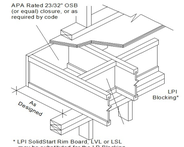










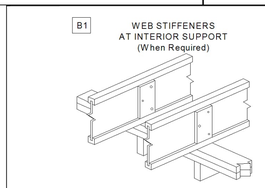


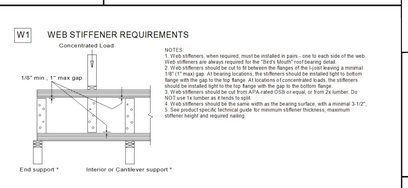
Series	Depth	Clear Span (ft)	Distance from End Support – Hole Diameter					Distance from Interior or Cantilever-End Support – Hole Diameter					
			2"	4"	6"	8"	10"	12"	2"	4"	6"	8"	10"	12"
LPI 18	9-1/2"	6'	1'-0"	1'-0"	1'-0"	-	-	-	1'-0"	1'-0"	1'-0"	-	-	-
		10'	1'-0"	1'-0"	2'-1"	-	-	-	1'-0"	1'-3"	3'-1"	-	-	-
		14'	1'-0"	2'-2"	4'-6"	-	-	-	1'-11"	3'-9"	5'-7"	-	-	-
		18'	2'-4"	4'-7"	7'-2"	-	-	-	4'-5"	6'-3"	8'-4"	-	-	-
	11-7/8"	10'	1'-0"	1'-0"	1'-0"	1'-10"	-	-	1'-0"	1'-0"	1'-3"	3'-0"	-	-
		14'	1'-0"	1'-0"	2'-1"	4'-4"	-	-	1'-0"	2'-0"	3'-9"	5'-6"	-	-
		18'	1'-0"	2'-5"	4'-6"	6'-11"	-	-	2'-9"	4'-6"	6'-3"	8'-1"	-	-
		22'	2'-8"	4'-9"	7'-0"	9'-8"	-	-	5'-3"	7'-0"	8'-9"	11'-0"	-	-
	14"	14'	1'-0"	1'-0"	1'-0"	2'-3"	4'-5"	-	1'-0"	1'-0"	2'-2"	3'-10"	5'-6"	-
		18'	1'-0"	1'-0"	2'-7"	4'-8"	7'-0"	-	1'-4"	3'-0"	4'-8"	6'-4"	8'-2"	-
		22'	1'-1"	2'-11"	4'-11"	7'-2"	9'-9"	-	3'-10"	5'-6"	7'-2"	8'-10"	-	-
		26'	3'-3"	5'-3"	7'-5"	9'-9"	12'-6"	-	6'-4"	8'-0"	9'-8"	11'-6"	-	-
LPI 20Plus & LPI 32Plus	9-1/2"	6'	1'-0"	1'-0"	1'-0"	-	-	-	1'-0"	1'-0"	1'-0"	-	-	-
		10'	1'-0"	1'-0"	1'-0"	-	-	-	1'-0"	1'-0"	1'-0"	-	-	-
		14'	1'-0"	1'-0"	1'-5"	-	-	-	1'-0"	1'-5"	3'-1"	-	-	-
		18'	1'-0"	1'-9"	3'-8"	-	-	-	2'-3"	3'-11"	5'-7"	-	-	-
	11-7/8"	10'	1'-0"	1'-0"	1'-0"	1'-0"	-	-	1'-0"	1'-0"	1'-0"	1'-0"	-	-
		14'	1'-0"	1'-0"	1'-0"	1'-9"	-	-	1'-0"	1'-0"	2'-1"	3'-5"	-	-
		18'	1'-0"	1'-0"	2'-6"	4'-1"	-	-	1'-10"	3'-3"	4'-7"	5'-11"	-	-
		22'	1'-8"	3'-2"	4'-10"	6'-7"	-	-	4'-4"	5'-9"	7'-1"	8'-5"	-	-
	14"	14'	1'-0"	1'-0"	1'-0"	1'-0"	2'-2"	-	1'-0"	1'-0"	1'-5"	2'-7"	3'-9"	-
		18'	1'-0"	1'-0"	1'-9"	3'-1"	4'-6"	-	1'-8"	2'-10"	3'-11"	5'-1"	6'-3"	-
		22'	1'-5"	2'-9"	4'-1"	5'-6"	7'-0"	-	4'-2"	5'-4"	6'-5"	7'-7"	8'-9"	-
		26'	3'-8"	5'-0"	6'-5"	8'-0"	9'-8"	-	6'-8"	7'-10"	8'-11"	10'-1"	11'-4"	-
	16"	18'	1'-0"	1'-0"	1'-4"	2'-5"	3'-7"	4'-11"	1'-6"	2'-6"	3'-6"	4'-6"	5'-6"	6'-6"
		22'	1'-4"	2'-5"	3'-6"	4'-9"	6'-1"	7'-5"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
		26'	3'-6"	4'-8"	5'-11"	7'-2"	8'-7"	10'-1"	6'-6"	7'-6"	8'-6"	9'-6"	10'-6"	11'-9"
		30'	5'-9"	7'-0"	8'-4"	9'-9"	11'-3"	12'-10"	9'-0"	10'-0"	11'-0"	12'-0"	13'-2"	14'-8"
LPI 36 & LPI 56	11-7/8"	10'	1'-0"	1'-0"	1'-0"	1'-0"	-	-	1'-0"	1'-0"	1'-0"	1'-3"	-	-
		14'	1'-0"	1'-0"	1'-0"	2'-2"	-	-	1'-0"	1'-0"	1'-8"	3'-9"	-	-
		18'	1'-0"	1'-0"	2'-0"	4'-7"	-	-	1'-0"	2'-1"	4'-2"	6'-3"	-	-
		22'	1'-0"	1'-11"	4'-4"	7'-1"	-	-	2'-6"	4'-7"	6'-8"	8'-9"	-	-
	14"	14'	1'-0"	1'-0"	1'-0"	1'-0"	2'-10"	-	1'-0"	1'-0"	1'-0"	2'-6"	4'-4"	-
		18'	1'-0"	1'-0"	1'-0"	3'-0"	5'-3"	-	1'-0"	1'-5"	3'-3"	5'-0"	6'-10"	-
		22'	1'-0"	1'-3"	3'-2"	5'-4"	7'-10"	-	2'-2"	3'-11"	5'-9"	7'-6"	9'-4"	-
		26'	1'-5"	3'-5"	5'-6"	7'-10"	10'-6"	-	4'-8"	6'-5"	8'-3"	10'-0"	12'-2"	-
	16"	18'	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	3'-10"	1'-0"	1'-0"	2'-7"	4'-1"	5'-8"	7'-3"
		22'	1'-0"	1'-0"	2'-5"	4'-3"	6'-3"	8'-6"	1'-11"	3'-6"	5'-1"	6'-7"	8'-2"	9'-11"
		26'	1'-3"	2'-11"	4'-8"	6'-8"	8'-10"	11'-3"	4'-5"	6'-0"	7'-7"	9'-1"	10'-8"	12'-10"
		30'	3'-4"	5'-2"	7'-1"	9'-2"	11'-5"	14'-0"	6'-11"	8'-6"	10'-1"	11'-7"	13'-5"	-
LPI 42Plus & LPI 52Plus	9-1/2"	6'	1'-0"	1'-0"	1'-0"	-	-	-	1'-0"	1'-0"	1'-0"	-	-	-
		10'	1'-0"	1'-0"	1'-0"	-	-	-	1'-0"	1'-0"	1'-0"	-	-	-
		14'	1'-0"	1'-0"	1'-5"	-	-	-	1'-0"	1'-5"	3'-1"	-	-	-
		18'	1'-0"	1'-9"	3'-8"	-	-	-	2'-3"	3'-11"	5'-7"	-	-	-
	11-7/8"	10'	1'-0"	1'-0"	1'-0"	1'-0"	-	-	1'-0"	1'-0"	1'-0"	1'-0"	-	-
		14'	1'-0"	1'-0"	1'-0"	1'-9"	-	-	1'-0"	1'-0"	2'-1"	3'-5"	-	-
		18'	1'-0"	1'-0"	2'-6"	4'-1"	-	-	1'-10"	3'-3"	4'-7"	5'-11"	-	-
		22'	1'-8"	3'-2"	4'-10"	6'-7"	-	-	4'-4"	5'-9"	7'-1"	8'-5"	-	-
	14"	14'	1'-0"	1'-0"	1'-0"	1'-0"	2'-2"	-	1'-0"	1'-0"	1'-5"	2'-7"	3'-9"	-
		18'	1'-0"	1'-0"	1'-9"	3'-1"	4'-6"	-	1'-8"	2'-10"	3'-11"	5'-1"	6'-3"	-
		22'	1'-5"	2'-9"	4'-1"	5'-6"	7'-0"	-	4'-2"	5'-4"	6'-5"	7'-7"	8'-9"	-
		26'	3'-8"	5'-0"	6'-5"	8'-0"	9'-8"	-	6'-8"	7'-10"	8'-11"	10'-1"	11'-4"	-
	16"	18'	1'-0"	1'-0"	1'-4"	2'-5"	3'-7"	4'-11"	1'-6"	2'-6"	3'-6"	4'-6"	5'-6"	6'-6"
		22'	1'-4"	2'-5"	3'-6"	4'-9"	6'-1"	7'-5"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
		26'	3'-6"	4'-8"	5'-11"	7'-2"	8'-7"	10'-1"	6'-6"	7'-6"	8'-6"	9'-6"	10'-6"	11'-9"
		30'	5'-9"	7'-0"	8'-4"	9'-9"	11'-3"	12'-10"	9'-0"	10'-0"	11'-0"	12'-0"	13'-2"	14'-8"

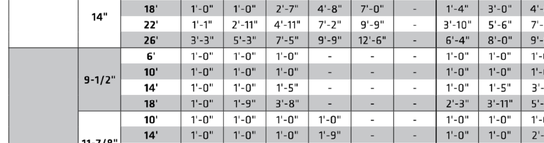
WEB STIFFENER REQUIREMENTS

Series	Depth	Minimum Thickness	Maximum Height	Nail Size*	Nail Qty
LPI 18 LPI 20Plus LPI 32Plus	9-1/2"	23/32"	6-3/8"	8d (2-1/2")	3
	11-7/8"	23/32"	8-3/4"	8d (2-1/2")	3
	14"	23/32"	10-7/8"	8d (2-1/2")	3
	16"	23/32"	12-7/8"	8d (2-1/2")	3
LPI 36	11-7/8"	23/32"	8-3/4"	8d (2-1/2")	4
	14"	23/32"	10-7/8"	8d (2-1/2")	5
	16"	23/32"	12-7/8"	8d (2-1/2")	6
LPI 42Plus LPI 52Plus	9-1/2"	1-1/2"	6-3/8"	10d (3")	3
	11-7/8"	1-1/2"	8-3/4"	10d (3")	3
	14"	1-1/2"	10-7/8"	10d (3")	3
	16"	1-1/2"	12-7/8"	10d (3")	3
LPI S6	11-7/8"	1-1/2"	8-3/4"	10d (3")	4
	14"	1-1/2"	10-7/8"	10d (3")	5
	16"	1-1/2"	12-7/8"	10d (3")	6

* Nails may be Box or Common.







Important Notes

WARNING: Failure to follow proper procedures for handling, storage and installation could result in unsatisfactory performance, unsafe structures and possible collapse.

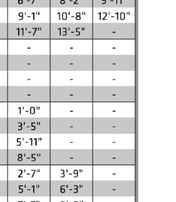
These instructions are offered as a guide to good practice in the handling, storage and installation of LP® SolidStart® I-Joists, LP SolidStart LVL & LP SolidStart LSL beams. They are, however, solely general recommendations and, in some instances, other or additional precautions may be desirable. In all cases, the procedures used should be as specified by the architect/engineer responsible for the entire building.

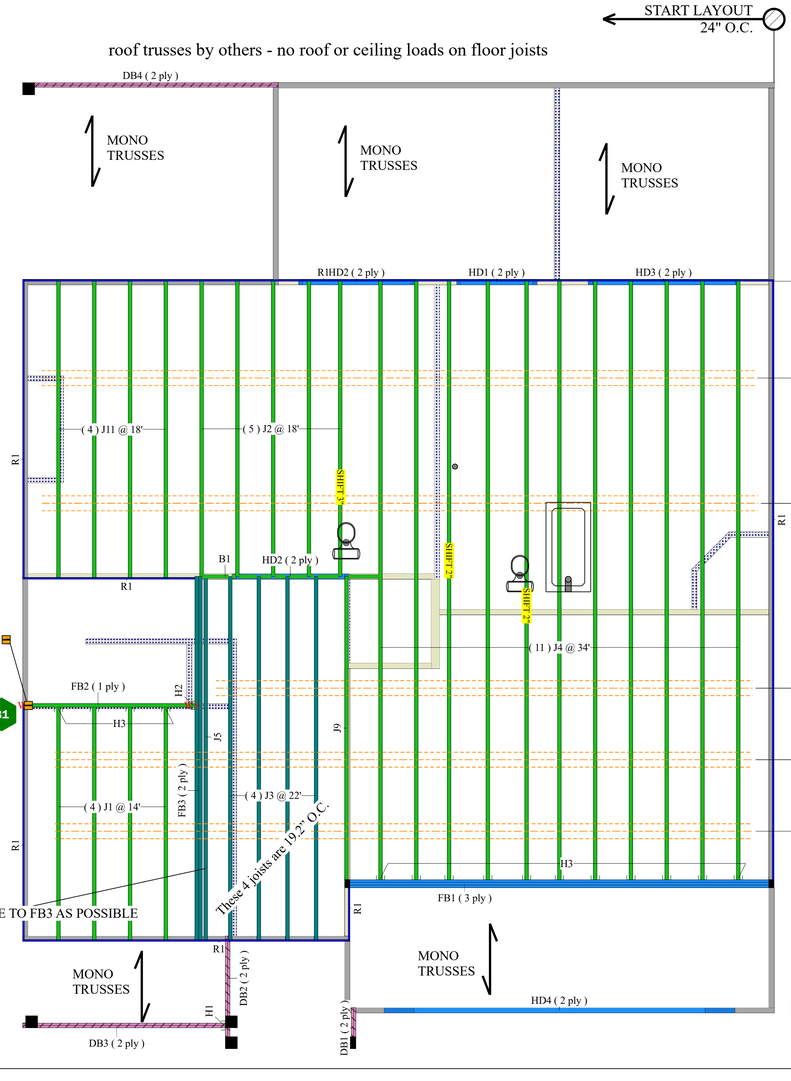
- This is not intended as a manual for selecting products and assumes that components and details have been specified correctly.
- Consult the LP SolidStart I-Joist, LP SolidStart LVL & LP SolidStart LSL brochures or contact your LP SolidStart products distributor for assistance.
- All rim joists, blocking, connections and temporary bracing must be installed before erectors are allowed on the structure.
- No loads other than the weight of the erectors are to be imposed on the structure before it is permanently sheathed.
- After sheathing, do not overload joists with construction materials exceeding design loads.
- LP SolidStart I-Joists, LP SolidStart LVL & LP SolidStart LSL beams must be used under dry, covered and well ventilated interior conditions in which the equivalent moisture content in lumber will not exceed 16%.

Handling & Storage

Keep LP SolidStart I-Joists, LP SolidStart LVL & LP SolidStart LSL beams dry.

- Unload products carefully by lifting. Support the bundles to reduce excessive bowing. Individual products should be handled in a manner which prevents physical damage during measuring, cutting, erection, etc. I-Joists should be handled vertically and not flatwise.
- Keep stored in wrapped and strapped bundles, stacked no more than 10' high. Support and separate bundles with 2 x 4 (or larger) stickers spaced no more than 10' apart. Keep stickers in line vertically.
- Product must not be stored in contact with the ground, or have prolonged exposure to the weather.
- Use forklifts and cranes carefully to avoid damaging product.
- Do not use visually damaged product. Call your local LP SolidStart Engineered Wood Products distributor for assistance when damaged products are encountered.





2ND FLOOR FRAMING

SCALE: 1/4" = 1'

2nd Flr							
I Joist (Flush)							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB2	LPI 20Plus	2.5	14			1	10-0-0
J4	LPI 20Plus	2.5	14			11	34-0-0
J11	LPI 20Plus	2.5	14			4	18-0-0
J9	LPI 20Plus	2.5	14			1	18-0-0
J2	LPI 20Plus	2.5	14			5	18-0-0
J1	LPI 20Plus	2.5	14			4	14-0-0
FB3	LPI 32Plus	2.5	14	1	2	2	22-0-0
J5	LPI 32Plus	2.5	14			1	22-0-0
J3	LPI 32Plus	2.5	14			4	22-0-0
LVL/LSL (Flush)							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
FB1	LP-LVL 2900Fb-2.0E	1.75	24	1	3	3	24-0-0
LVL/LSL (Dropped)							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
HD3	LP-LVL 2900Fb-2.0E	1.75	9.25	1	2	2	10-0-0
HD2	LP-LVL 2900Fb-2.0E	1.75	9.25	2	2	4	8-0-0
HD1	LP-LVL 2900Fb-2.0E	1.75	9.25	1	2	2	6-0-0
HD4	LP-LVL 2900Fb-2.0E	1.75	11.875	1	2	2	20-0-0
Beam By Others (Dropped)							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
DB4	[2x10]			1	2	2	16-0-0
DB3	[2x10]			1	2	2	12-0-0
DB2	[2x10]			1	2	2	8-0-0
DB1	[2x10]			1	2	2	4-0-0
Rim Board							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	LP APA Rated OSB 1.125 X 14	1.125	14			12	12-0-0
Blocking							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
B1	LPI 20 Plus	2.5	14	LinFt		Varies	8-0-0

Hanger

Label	Pcs	Description	Skew	Slope	Beam/Girder fasteners	Supported Member fasteners
H1	1	Hanger By Others				
H2	1	IUS2.56/14 (Max)			14 10d	2 10dx1 1/2
H3	15	IUS2.56/14 (Min)			12 10d	

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2160 Satellite Blvd., Suite 450
Duluth, GA 30097
888-613-5078

LP BUILDING PRODUCTS

84 LUMBER Build on what we know™

Dealer
84 Lumber-Fayetteville #2307

Dealer Address
620 Belt Road
Fayetteville, NC 28301
(910) 867-9185

Project
14511

Created
January 21, 2020

Layout Name
202001-14511

Description
Caviness Land
CL2862 - Lot 38 Blackbridge Village

Designer
Kyle Militzer

2nd Flr

Design Method	ASD (USA)
Building Code	IRC 2018
Floor	
Loads	
Live	40
Dead	10
Deflection Joist	
LL Span L/	480
TL Span L/	240
LL Cant 2L/	240
TL Cant 2L/	180
Deflection Girder	
LL Span L/	360
TL Span L/	240
LL Cant 2L/	240
TL Cant 2L/	180
Decking	
Decking	OSB
	23/32 APA Rated Sturd-I-Floor
Fastener	Nailed & Glued

Legend

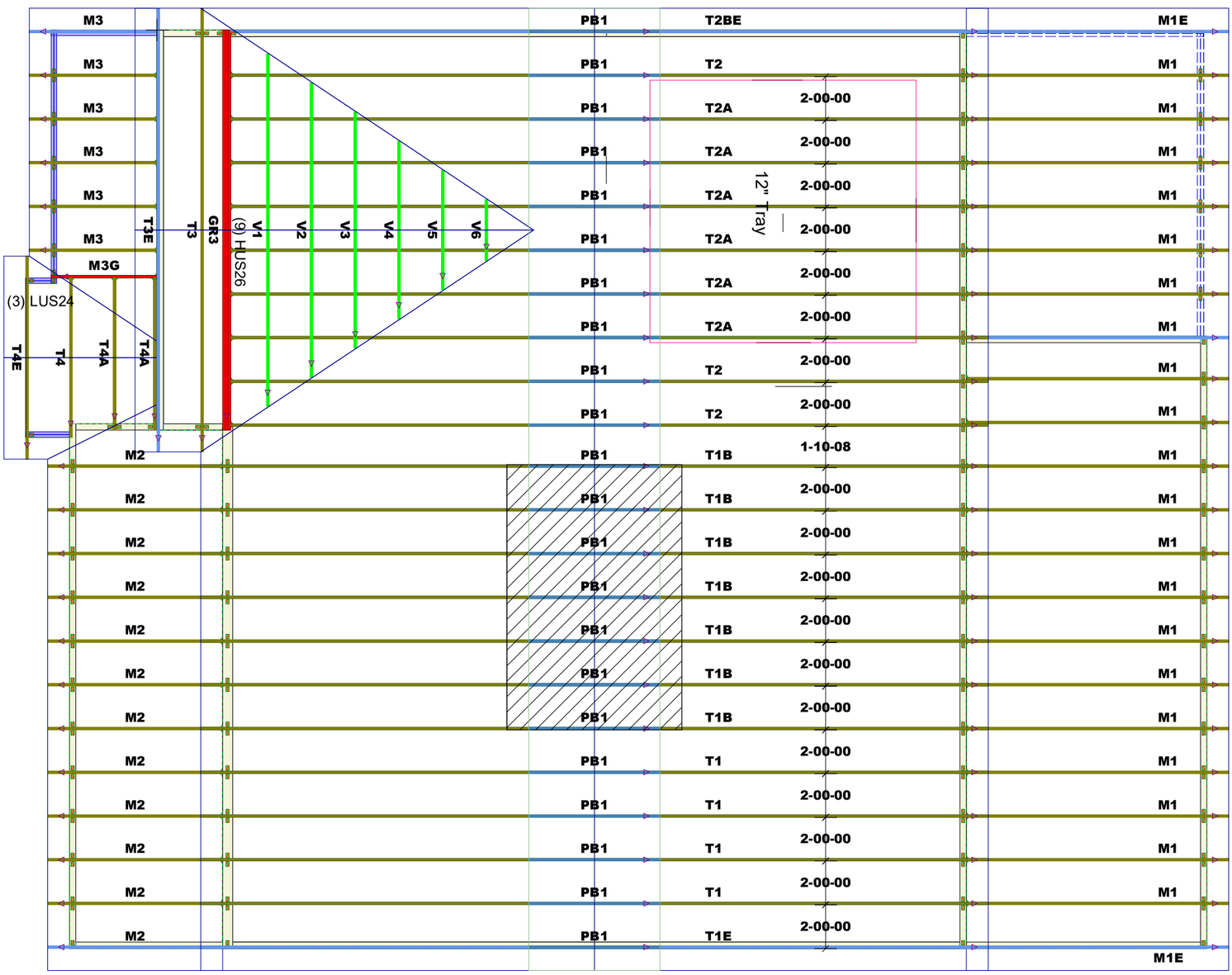
ws	Web Stiffener
	3.5" Ext Wall
	3.5" Int Wall
	5.5" Int Wall
	3.5" Non-Brg Wall
	Wall Opening
	LP APA Rated OSB 1.125 X 14
	LPI 20Plus 14
	LPI 32Plus 14
	LP-LVL 2900Fb-2.0E 1.75 X 9.25 (Dropped)
	LP-LVL 2900Fb-2.0E 1.75 X 11.875 (Dropped)
	LP-LVL 2900Fb-2.0E 1.75 X 24 1.5 X 9.25 (Dropped)

Calculated Structured Designs

1st Level Roof Area
910.01

2nd Level Roof Area
0

THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



GENERAL NOTES:

- DO NOT CUT OR MODIFY TRUSSES
- TRUSSES ARE SPACED 24" ON CENTER UNLESS OTHERWISE NOTED
- REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.
- PER ANSI TPI 1-2002 THE TRUSS ENGINEER IS RESPONSIBILE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS PLACEMENT PLAN RECOMMENDS TRUSS TO BEARING CONNECTIONS AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.

WIND SPEED: 130 mph

BOTTOM DEAD LOAD: 10.0 lb/ft²

TOP DEAD LOAD: 10.0 lb/ft²

TOP LIVE LOAD: 20.0 lb/ft²

PROJECT: Master CL 2862 CP

CUSTOMER: Caviness Land Development

MODEL: CL 2862 CP

QUOTE #:	PRINT DATE:	DRAWN BY:	SCALE:
1800888	6/14/2018	Rodney Evans	N.T.S

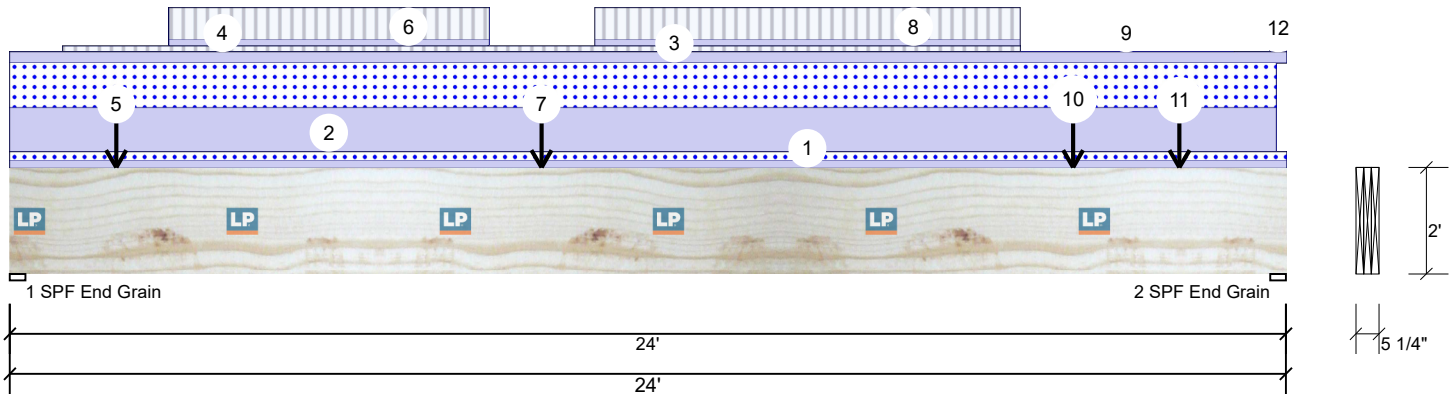
DEDICATED TO QUALITY AND EXCELLENCE
200 EMMETT ROAD
DUNN, NORTH CAROLINA 28334
PHONE: 910-892-8400

84 LUMBER COMPONENTS

Client:	84 Lumber-Fayetteville #2307	Date:	2/3/2020
Project:	CL2862 GL CP	Input by:	Kyle Militzer
Address:		Job Name:	CL2862 GL CP
		Project #:	CL2862 GL CP

FB1-A LP-LVL 2900Fb-2.0E 1.750" X 24.000" 3-Ply - PASSED

Level: 2nd Flr



Member Information

Type:	Girder	Application:	Floor
Plies:	3	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	360	Load Sharing:	Yes
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		
General Load			
Floor Live:	40 PSF		
Dead:	10 PSF		

Reactions PATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	2934 (-581)	7313	5316	0	0
2	2757 (-425)	7251	5242	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.500"	98%	7313 / 6188	13500	L	D+0.75(L+S)
2 - SPF End Grain	3.500"	96%	7251 / 5999	13250	L	D+0.75(L+S)

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	79238 ft-lb	12' 1/8"	131939 ft-lb	0.601 (60%)	D+0.75(L+S)	L
Shear	11509 lb	2'2 5/8"	27531 lb	0.418 (42%)	D+0.75(L+S)	L
LL Defl inch	0.337 (L/839)	11'11 13/16"	0.785 (L/360)	0.430 (43%)	0.75(L+S)	L
TL Defl inch	0.727 (L/389)	11'11 15/16"	1.178 (L/240)	0.620 (62%)	D+0.75(L+S)	L

Design Notes

1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
2 Dead Load Deflection: Instant = 0.390", Long Term = 0.585"
3 Girders are designed to be supported on the bottom edge only.
4 Multiple plies must be fastened together as per manufacturer's details.
5 Top loads must be supported equally by all plies.
6 Top must be laterally braced at a maximum of 4' o.c.
7 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform	0-0-0 to 24-0-0		Top	66 PLF	0 PLF	66 PLF	0 PLF	0 PLF	
2	Part. Uniform	0-0-0 to 23-9-11		Top	377 PLF	0 PLF	377 PLF	0 PLF	0 PLF	
3	Part. Uniform	0-0-0 to 24-0-0		Top	86 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Self Weight
4	Part. Uniform	1-0-0 to 19-0-0		Far Face	0 PLF	-55 PLF	0 PLF	0 PLF	0 PLF	
5	Point	2-0-0		Far Face	104 lb	534 lb	0 lb	0 lb	0 lb	J2
6	Part. Uniform	3-0-0 to 9-0-0		Far Face	53 PLF	270 PLF	0 PLF	0 PLF	0 PLF	
7	Point	10-0-0		Far Face	24 lb	540 lb	0 lb	0 lb	0 lb	J2

Continued on page 2...

Notes

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This design is valid until 10/31/2021

Manufacturer Info

Louisiana-Pacific Corp
414 Union Street, Suite 2000
Nashville, TN 37219
(888) 820-0325
www.lpcorp.com
APA: PR-L280, ICC-ES: ESR-2403, LADBS: RR-25783, Florida: FL15228

U.S. Lumber
2160 Satellite Blvd., Suite 450, GA
U.S.A
30097
888-613-5078

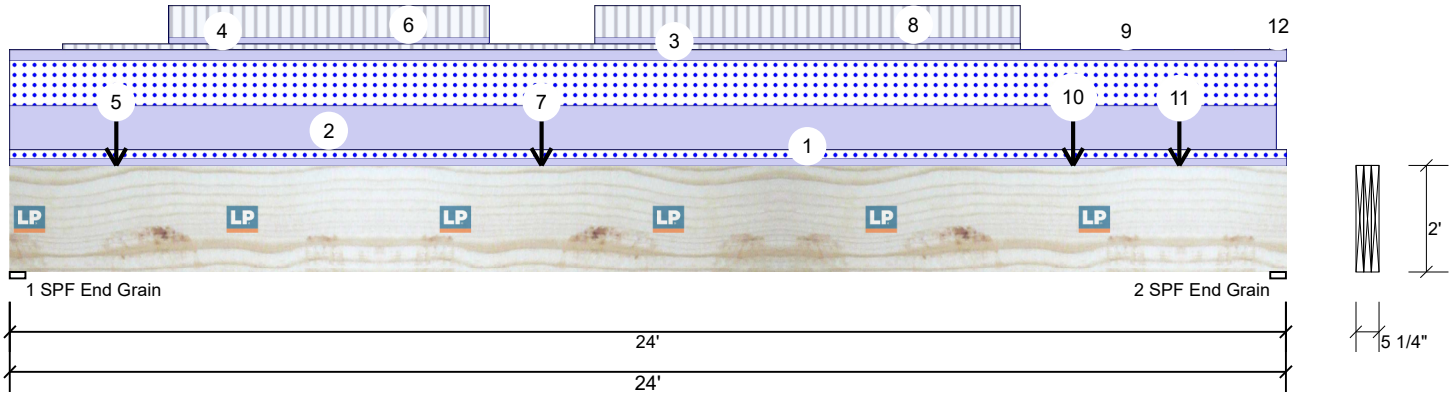
U.S. LUMBER

CSD DRAW DESIGN BUILD

Client:	84 Lumber-Fayetteville #2307	Date:	2/3/2020
Project:	CL2862 GL CP	Input by:	Kyle Militzer
Address:		Job Name:	CL2862 GL CP
		Project #:	CL2862 GL CP

FB1-A LP-LVL 2900Fb-2.0E 1.750" X 24.000" 3-Ply - PASSED

Level: 2nd Flr



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ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
8	Part. Uniform	11-0-0 to 19-0-0		Far Face	53 PLF	270 PLF	0 PLF	0 PLF	0 PLF	
9	Part. Uniform	19-0-0 to 23-0-0		Far Face	0 PLF	-4 PLF	0 PLF	0 PLF	0 PLF	
10	Point	20-0-0		Far Face	102 lb	417 lb	0 lb	0 lb	0 lb	J7
11	Point	22-0-0		Far Face	99 lb	402 lb	0 lb	0 lb	0 lb	J7
12	Tie-In	23-8-8 to 24-0-0	1-6-7	Top	10 PSF	40 PSF	0 PSF	0 PSF	0 PSF	
	Self Weight				36 PLF					

Notes

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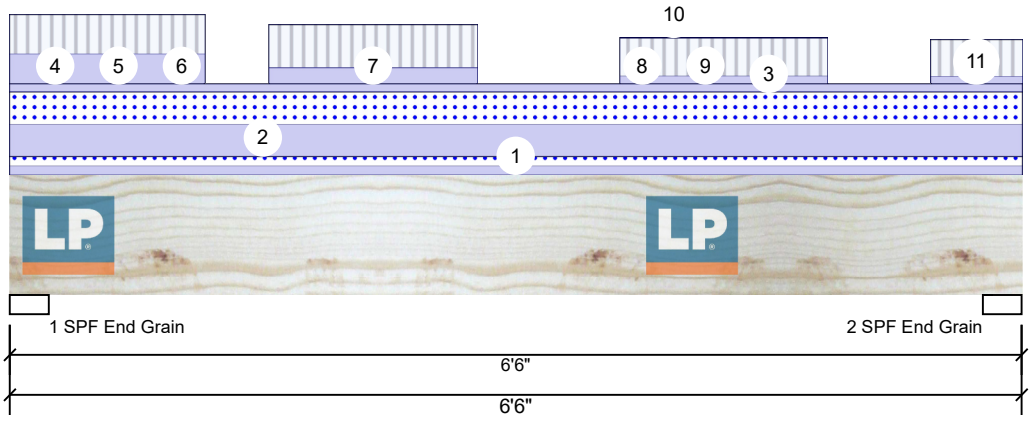
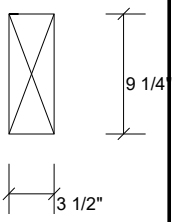
Project:	CL2862 GL CP	Input by:	Kyle Militzer
Address:		Job Name:	CL2862 GL CP
		Project #:	CL2862 GL CP

HD1-B LP-LSL 1.55E 3.500" X 9.250" - PASSED

Level: 2nd Flr





Member Information

Type:	Girder	Application:	Floor
Plies:	1	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	360	Load Sharing:	No
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		
General Load			
Floor Live:	40 PSF		
Dead:	10 PSF		

Reactions PATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	1146 (0)	2563	1576	0	0
2	943 (-1)	2216	1576	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.000"	50%	2563 / 2042	4605	L	D+0.75(L+S)
2 - SPF End Grain	3.000"	45%	2216 / 1890	4106	L	D+0.75(L+S)

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	6053 ft-lb	3' 15/16"	11647 ft-lb	0.520 (52%)	D+0.75(L+S)	L
Shear	3006 lb	11 1/2"	10177 lb	0.295 (30%)	D+0.75(L+S)	L
LL Defl inch	0.065 (L/1133)	3'2 9/16"	0.204 (L/360)	0.320 (32%)	0.75(L+S)	L
TL Defl inch	0.143 (L/515)	3'2 1/2"	0.306 (L/240)	0.470 (47%)	D+0.75(L+S)	L

Design Notes

1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
2 Dead Load Deflection: Instant = 0.078", Long Term = 0.117"
3 Girders are designed to be supported on the bottom edge only.
4 Top braced at bearings.
5 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform	0-0-0 to 6-6-0		Top	108 PLF	0 PLF	108 PLF	0 PLF	0 PLF	
2	Part. Uniform	0-0-0 to 6-6-0		Top	377 PLF	0 PLF	377 PLF	0 PLF	0 PLF	
3	Part. Uniform	0-0-0 to 6-6-0		Top	96 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Self Weight
4	Tapered Start	0-0-0		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	0-7-0			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
5	Part. Uniform	0-0-0 to 1-3-0		Top	363 PLF	466 PLF	0 PLF	0 PLF	0 PLF	J3
6	Tapered Start	0-7-0		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	2-4-0			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	

Continued on page 2...

Notes

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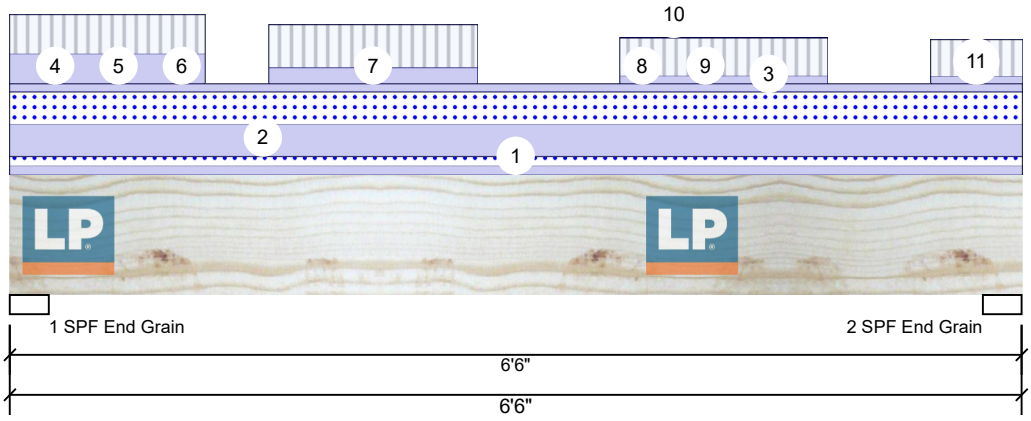
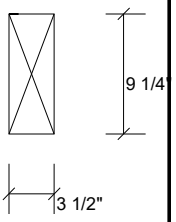
CSD DRAW DESIGN BUILD

Client:	84 Lumber-Fayetteville #2307	Date:	2/3/2020
Project:	CL2862 GL CP	Input by:	Kyle Militzer
Address:		Job Name:	CL2862 GL CP
		Project #:	CL2862 GL CP

HD1-B LP-LSL 1.55E 3.500" X 9.250" - PASSED

Level: 2nd Flr





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ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
7	Part. Uniform	1-8-0 to 3-0-0		Top	206 PLF	497 PLF	0 PLF	0 PLF	0 PLF	J3
8	Tapered Start	2-4-0		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	6-6-0			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
9	Part. Uniform	3-11-0 to 5-3-0		Top	110 PLF	444 PLF	0 PLF	0 PLF	0 PLF	J7
10	Part. Uniform	3-11-0 to 5-3-0		Top	0 PLF	-1 PLF	0 PLF	0 PLF	0 PLF	J7
11	Part. Uniform	5-11-0 to 6-6-0		Top	104 PLF	421 PLF	0 PLF	0 PLF	0 PLF	J7
	Self Weight				10 PLF					

Notes

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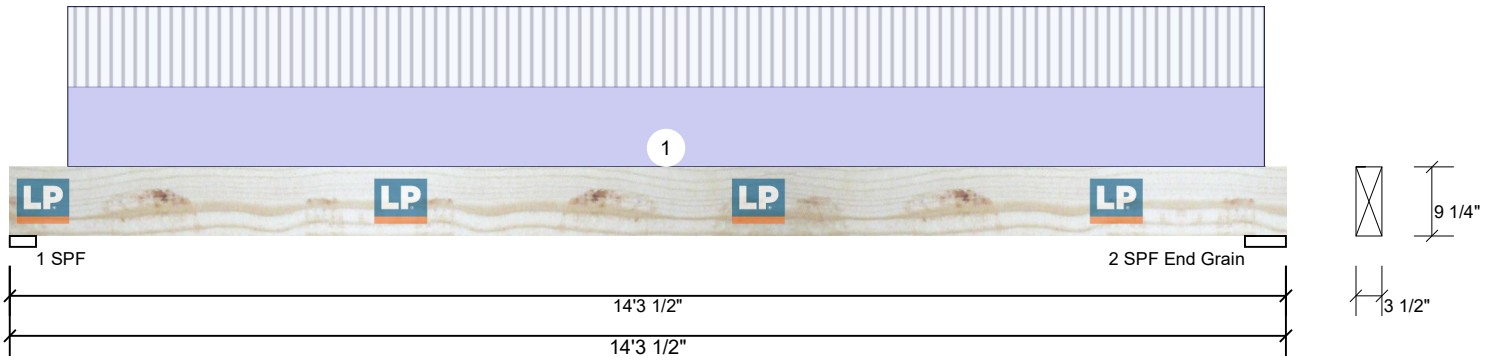
CSD DRAW DESIGN BUILD

Client:	84 Lumber-Fayetteville #2307	Date:	2/3/2020
Project:	CL2862 GL CP	Input by:	Kyle Militzer
Address:		Job Name:	CL2862 GL CP
		Project #:	CL2862 GL CP

DB2-A LP-LSL 1.55E 3.500" X 9.250" - PASSED

Level: 2nd Flr



Member Information

Type:	Girder	Application:	Floor
Plies:	1	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	360	Load Sharing:	No
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		
General Load			
Floor Live:	40 PSF		
Dead:	10 PSF		

Reactions PATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	795	868	0	0	0
2	865	939	0	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	32%	868 / 795	1663	L	D+L
2 - SPF End Grain	5.500"	11%	939 / 865	1804	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	6020 ft-lb	7' 13/16"	10127 ft-lb	0.594 (59%)	D+L	L
Shear	1568 lb	1'	8849 lb	0.177 (18%)	D+L	L
LL Defl inch	0.285 (L/576)	7' 13/16"	0.456 (L/360)	0.620 (62%)	L	L
TL Defl inch	0.593 (L/277)	7' 13/16"	0.683 (L/240)	0.870 (87%)	D+L	L

Design Notes

1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
2 Dead Load Deflection: Instant = 0.308", Long Term = 0.463"
3 Girders are designed to be supported on the bottom edge only.
4 Top braced at bearings.
5 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform	0-7-14 to 14-0-8		Top	124 PLF	124 PLF	0 PLF	0 PLF	0 PLF	
	Self Weight				10 PLF					

Notes

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This design is valid until 10/31/2021

Manufacturer Info

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414 Union Street, Suite 2000
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U.S. Lumber
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30097
888-613-5078

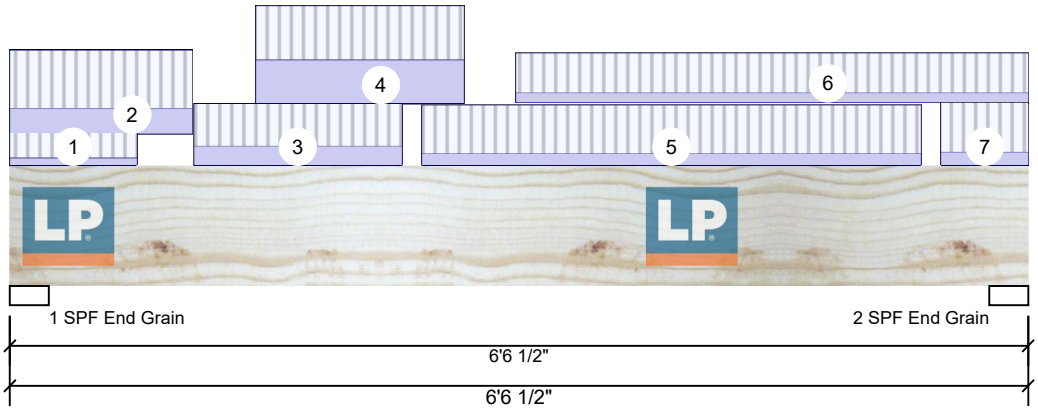
U.S. LUMBER

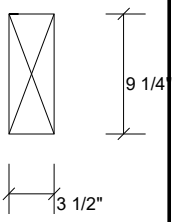
CSD DRAW DESIGN BUILD

Client:	84 Lumber-Fayetteville #2307	Date:	2/3/2020
Project:	CL2862 GL CP	Input by:	Kyle Militzer
Address:		Job Name:	CL2862 GL CP
		Project #:	CL2862 GL CP

HD1-A LP-LSL 1.55E 3.500" X 9.250" - PASSED

Level: 2nd Flr





Member Information

Type:	Girder	Application:	Floor
Plies:	1	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	360	Load Sharing:	No
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		
General Load			
Floor Live:	40 PSF		
Dead:	10 PSF		

Reactions PATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	2163	970	0	0	0
2	2293	755	0	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.000"	34%	970 / 2163	3133	L	D+L
2 - SPF End Grain	3.000"	33%	755 / 2293	3047	L	D+L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	4582 ft-lb	3'2"	10127 ft-lb	0.452 (45%)	D+L	L
Shear	2231 lb	11 1/2"	8849 lb	0.252 (25%)	D+L	L
LL Defl inch	0.078 (L/953)	3'3 9/16"	0.206 (L/360)	0.380 (38%)	L	L
TL Defl inch	0.109 (L/679)	3'2 15/16"	0.308 (L/240)	0.350 (35%)	D+L	L

Design Notes

1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
2 Dead Load Deflection: Instant = 0.031", Long Term = 0.047"
3 Girders are designed to be supported on the bottom edge only.
4 Top braced at bearings.
5 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform	0-0-0 to 0-9-12		Top	67 PLF	204 PLF	0 PLF	0 PLF	0 PLF	J4
2	Part. Uniform	0-0-0 to 1-2-0		Top	207 PLF	494 PLF	0 PLF	0 PLF	0 PLF	J3
3	Part. Uniform	1-2-3 to 2-6-3		Top	161 PLF	360 PLF	0 PLF	0 PLF	0 PLF	J5
4	Part. Uniform	1-7-0 to 2-11-0		Top	367 PLF	463 PLF	0 PLF	0 PLF	0 PLF	J3
5	Part. Uniform	2-7-13 to 5-10-3		Top	101 PLF	405 PLF	0 PLF	0 PLF	0 PLF	J5
6	Part. Uniform	3-3-0 to 6-6-8		Top	82 PLF	330 PLF	0 PLF	0 PLF	0 PLF	
7	Part. Uniform	5-11-13 to 6-6-8		Top	114 PLF	420 PLF	0 PLF	0 PLF	0 PLF	J5
	Self Weight				10 PLF					

Notes

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This design is valid until 10/31/2021

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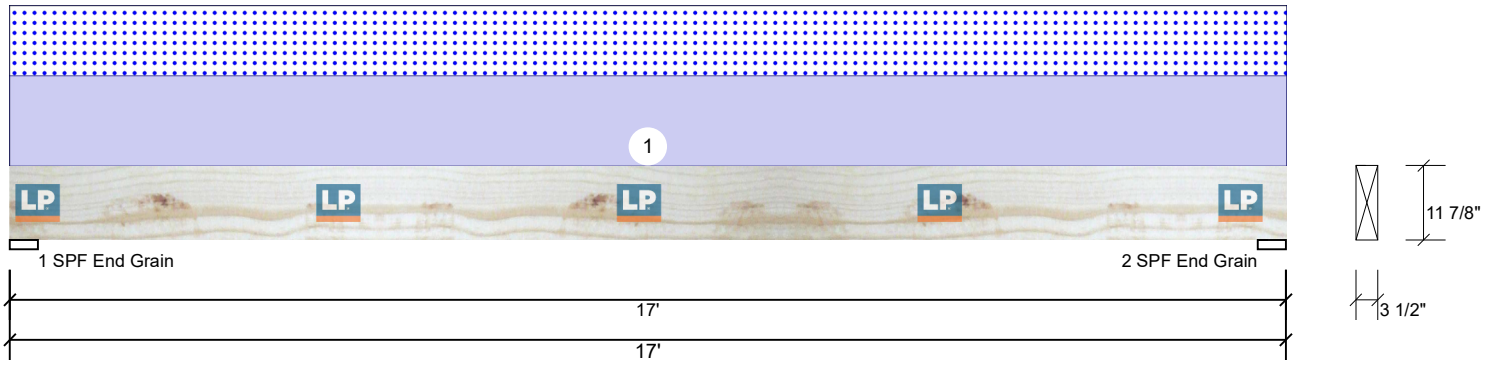
U.S. LUMBER

CSD DRAW DESIGN BUILD

Client:	84 Lumber-Fayetteville #2307	Date:	3/25/2020
Project:	CL2862 GL CP	Input by:	Kyle Militzer
Address:		Job Name:	CL2862 GL CP
		Project #:	CL2862 GL CP

HD2-A LP-LSL 1.55E 3.500" X 11.875" - PASSED

Level: 2nd Flr



Member Information

Type:	Girder	Application:	Floor
Plies:	1	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	360	Load Sharing:	No
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		
General Load			
Floor Live:	40 PSF		
Dead:	10 PSF		

Reactions PATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	0	1056	731	0	0
2	0	1056	731	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	4.500"	13%	1056 / 731	1787	L	D+S
2 - SPF End Grain	4.500"	13%	1056 / 731	1787	L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	7048 ft-lb	8'6"	18628 ft-lb	0.378 (38%)	D+S	L
Shear	1514 lb	1'3 5/8"	13064 lb	0.116 (12%)	D+S	L
LL Defl inch	0.194 (L/1012)	8'6 1/16"	0.546 (L/360)	0.360 (36%)	S	L
TL Defl inch	0.475 (L/414)	8'6 1/16"	0.819 (L/240)	0.580 (58%)	D+S	L

Design Notes

1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
2 Dead Load Deflection: Instant = 0.280", Long Term = 0.421"
3 Girders are designed to be supported on the bottom edge only.
4 Top braced at bearings.
5 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform	0-0-0 to 17-0-0		Top	111 PLF	0 PLF	86 PLF	0 PLF	0 PLF	
	Self Weight				13 PLF					

Notes

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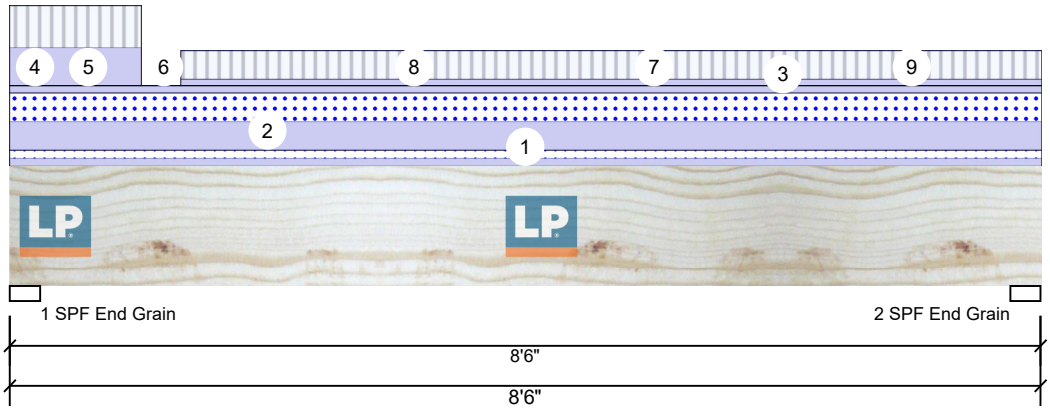
U.S. LUMBER

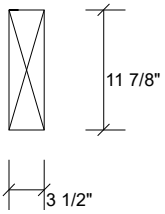
CSD DRAW DESIGN BUILD

Client:	84 Lumber-Fayetteville #2307	Date:	3/25/2020
Project:	Caviness Land - CL2862	Input by:	Kyle Militzer
Address:		Job Name:	CL2862 GL CP
		Project #:	CL2862 GL CP

HD4-A LP-LSL 1.55E 3.500" X 11.875" - PASSED

Level: 2nd Flr





Member Information

Type:	Girder	Application:	Floor
Plies:	1	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	360	Load Sharing:	No
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		
General Load			
Floor Live:	40 PSF		
Dead:	10 PSF		

Reactions PATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	1663	3334	2061	0	0
2	1570	2938	2061	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.000"	67%	3334 / 2793	6128	L	D+0.75(L+S)
2 - SPF End Grain	3.000"	62%	2938 / 2723	5661	L	D+0.75(L+S)

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	11017 ft-lb	4'2 7/8"	18628 ft-lb	0.591 (59%)	D+0.75(L+S)	L
Shear	4097 lb	7'3 7/8"	13064 lb	0.314 (31%)	D+0.75(L+S)	L
LL Defl inch	0.102 (L/959)	4'3 1/16"	0.271 (L/360)	0.380 (38%)	0.75(L+S)	L
TL Defl inch	0.212 (L/459)	4'2 15/16"	0.406 (L/240)	0.520 (52%)	D+0.75(L+S)	L

Design Notes

1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
2 Dead Load Deflection: Instant = 0.111", Long Term = 0.166"
3 Girders are designed to be supported on the bottom edge only.
4 Top braced at bearings.
5 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform	0-0-0 to 8-6-0		Top	108 PLF	0 PLF	108 PLF	0 PLF	0 PLF	
2	Part. Uniform	0-0-0 to 8-6-0		Top	377 PLF	0 PLF	377 PLF	0 PLF	0 PLF	
3	Part. Uniform	0-0-0 to 8-6-0		Top	96 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Self Weight
4	Tapered Start	0-0-0		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	0-5-0			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
5	Part. Uniform	0-0-0 to 1-1-0		Top	519 PLF	557 PLF	0 PLF	0 PLF	0 PLF	J10
6	Tapered Start	0-5-0		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	2-5-0			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	

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Notes

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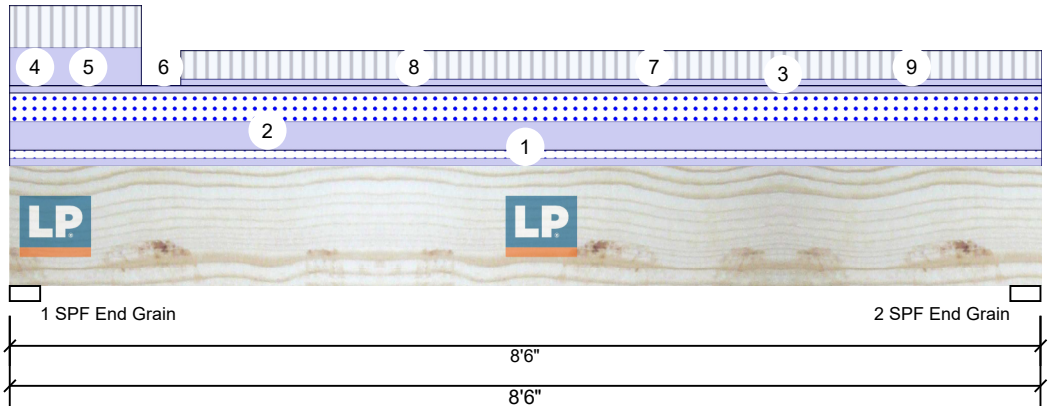
U.S. LUMBER

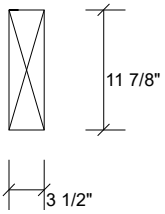
CSD DRAW DESIGN BUILD

Client:	84 Lumber-Fayetteville #2307	Date:	3/25/2020
Project:	Caviness Land - CL2862	Input by:	Kyle Militzer
Address:		Job Name:	CL2862 GL CP
		Project #:	CL2862 GL CP

HD4-A LP-LSL 1.55E 3.500" X 11.875" - PASSED

Level: 2nd Flr





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ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
7	Part. Uniform	1-5-0 to 8-6-0		Top	93 PLF	370 PLF	0 PLF	0 PLF	0 PLF	J9
8	Tapered Start	2-5-0		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	4-5-0			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
9	Tapered Start	4-5-0		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	8-6-0			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	Self Weight				13 PLF					

Notes

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