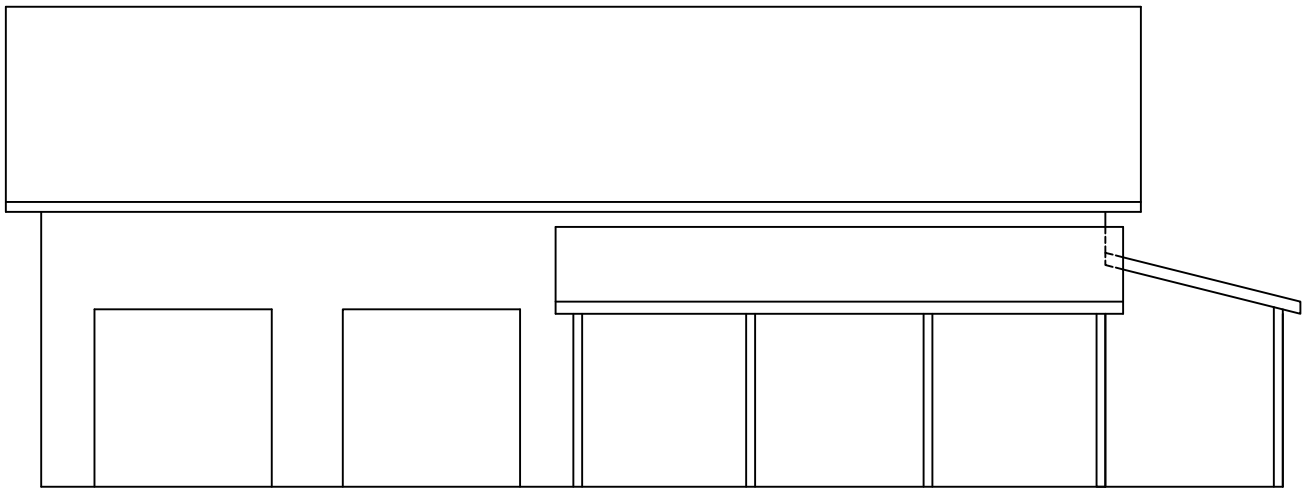
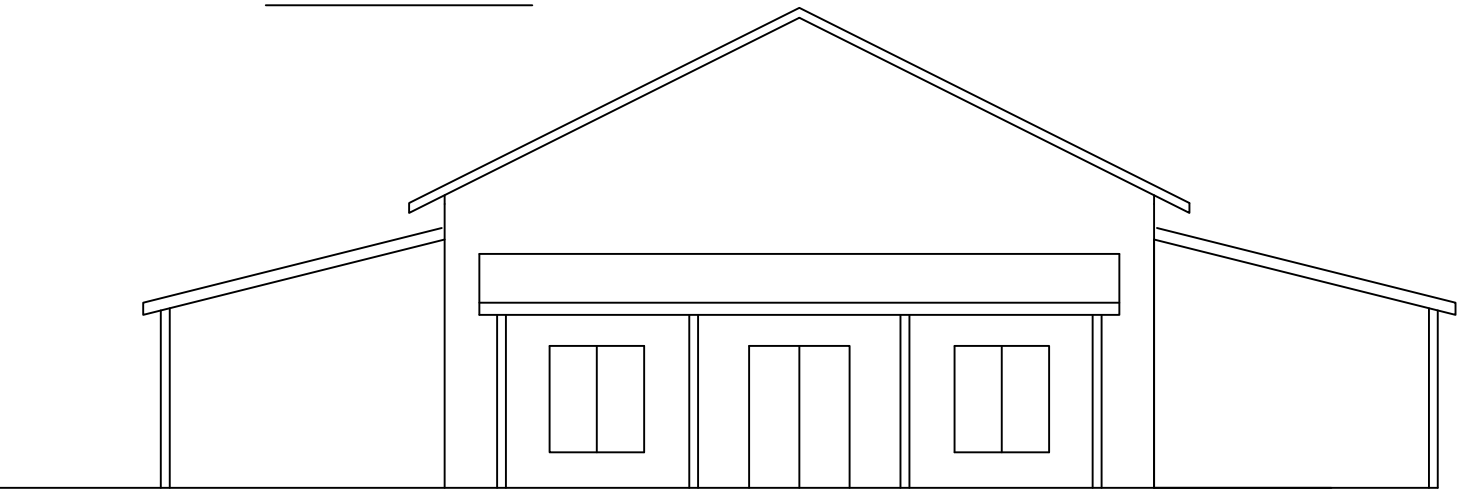
8'-0"
8'-0"
8'-0"
8'-0"
8'-0"
3'-0"
10'-2"
3'-5"
10'-2"
3'-0"
30'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
60'-0"
12'-0"
12'-0"
12'-0"
12'-0"
11'-9"
New Electrical Service
(32) PT 6x6 @ 72" o.c.
2-2x12 headers
2-2x10 headers
2x6 purlins
29ga metal on walls and roof
Roof trusses by engineer
10'-0"
10'-0"
10'-0"
(10) PT 6x6
2-2880 entry
2-2860sh
2-2860sh
5'-8"
5'-10"
5'-5"
6'-2"
5'-5"
5'-10"
5'-8"
(4) PT 6x6
2-2x12 headers
11'-1"
11'-11"
11'-1"
34'-1"
16'-0"
40'-0"
16'-0"

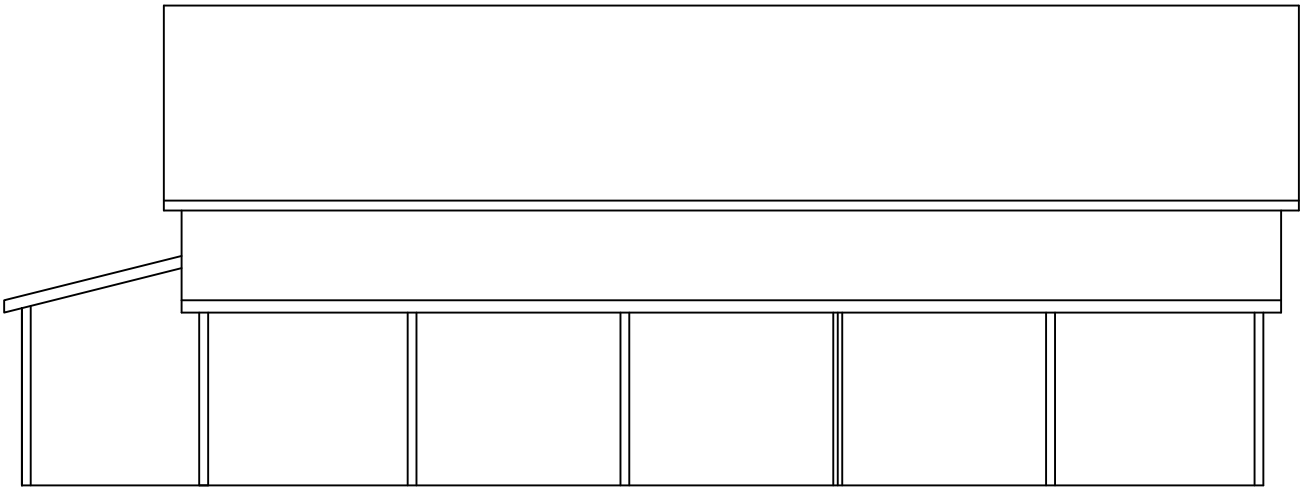
LAYOUT



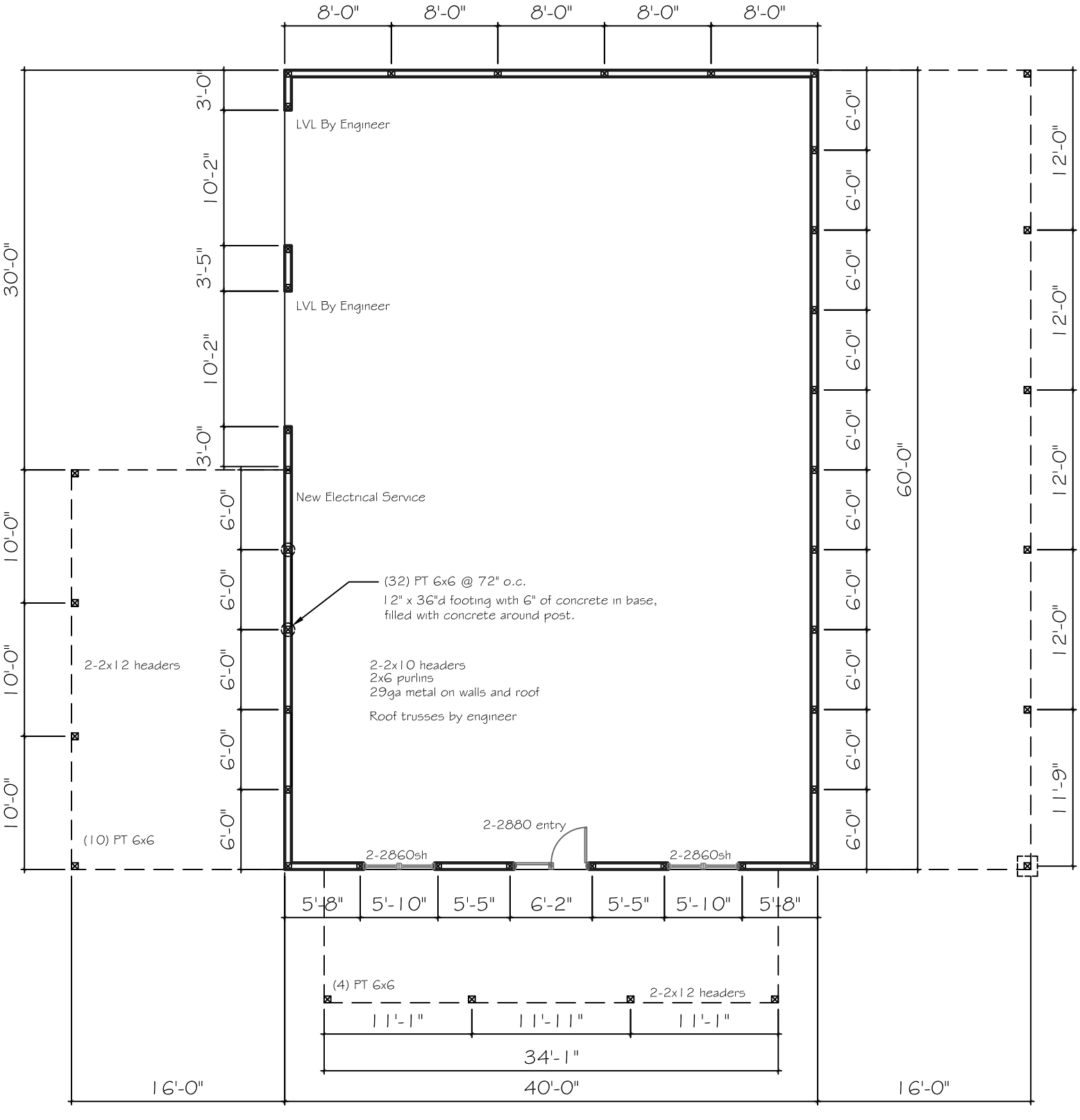
LEFT SIDE ELEVATION



FRONT ELEVATION



RIGHT SIDE ELEVATION


8'-0"
8'-0"
8'-0"
8'-0"
8'-0"
3'-0"
10'-2"
3'-5"
10'-2"
3'-0"
30'-0"
LVL By Engineer
LVL By Engineer
New Electrical Service
(32) PT 6x6 @ 72" o.c.
12" x 36"d footing with 6" of concrete in base,
filled with concrete around post.
2-2x10 headers
2x6 purlins
29ga metal on walls and roof
Roof trusses by engineer
2-2x12 headers
(10) PT 6x6
2-2880 entry
2-2860sh
2-2860sh
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
10'-0"
10'-0"
10'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
6'-0"
60'-0"
12'-0"
12'-0"
12'-0"
12'-0"
11'-9"
5'-8"
5'-10"
5'-5"
6'-2"
5'-5"
5'-10"
5'-8"
(4) PT 6x6
2-2x12 headers
11'-1"
11'-11"
11'-1"
34'-1"
16'-0"
40'-0"
16'-0"

LAYOUT

Boise Cascade® ENGINEERED WOOD PRODUCTS

Triple 1-3/4" x 9-1/4" VERSA-LAM® LVL 2.1E 3100 SP

PASSED

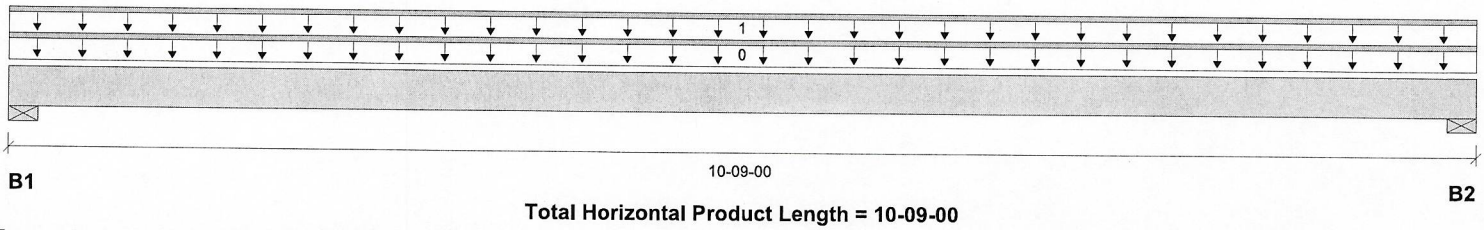
FB01 (Drop Beam)

Dry | 1 span | No cant.

BC CALC® Member Report
Build 8931
Job name:
Address:
City, State, Zip:
Customer:
Code reports: ESR-1040

December 4, 2024 17:53:19

File name:
Description:
Specifier:
Designer:
Company:



Total Horizontal Product Length = 10-09-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	2150 / 0	2226 / 0			
B2, 3-1/2"	2150 / 0	2226 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	10-09-00	Top		14				00-00-00
1	40' roof truss	Unf. Lin. (lb/ft)	L	00-00-00	10-09-00	Top	400	400				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	10778 ft-lbs	54.1%	100%	1	05-04-08
End Shear	3511 lbs	38.0%	100%	1	01-00-12
Total Load Deflection	L/402 (0.307")	59.6%	n\a	1	05-04-08
Live Load Deflection	L/819 (0.151")	44.0%	n\a	2	05-04-08
Max Defl.	0.307"	30.7%	n\a	1	05-04-08
Span / Depth	13.4				

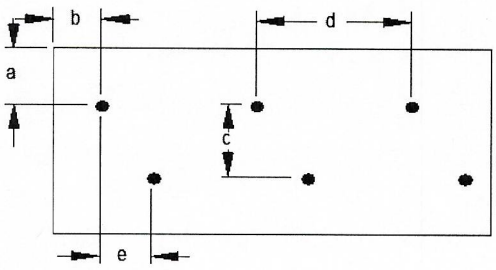
Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/2" x 5-1/4"	4376 lbs	n\a	31.8%	Unspecified
B2	Wall/Plate	3-1/2" x 5-1/4"	4376 lbs	n\a	31.8%	Unspecified

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
Design meets Code minimum (L/360) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design based on Dry Service Condition.
BC CALC® analysis is based on IBC 2009.
Calculations assume member is fully braced.

Connection Diagram: Full Length of Member



Boise Cascade® ENGINEERED WOOD PRODUCTS

Triple 1-3/4" x 9-1/4" VERSA-LAM® LVL 2.1E 3100 SP

PASSED

FB01 (Drop Beam)

Dry | 1 span | No cant.

BC CALC® Member Report
Build 8931
Job name:
Address:
City, State, Zip:
Customer:
Code reports: ESR-1040

December 4, 2024 17:53:19

File name:
Description:
Specifier:
Designer:
Company:

Connection Diagram: Full Length of Member

a minimum = 1-1/2"
b minimum = 4"
c = 6-1/4"
d = 24"
e minimum = 1"

Calculated Side Load = 0.0 lb/ft
Install screws from both sides, staggering screws by half of the spacing to avoid splitting.
Connectors are: SDS 1/4 x 3-1/2

Disclosure