



FINAL SHOP DRAWINGS

200 E. Mallard Drive Boise, Idaho 83706, www.RedBuilt.com

Project Number: 137320

Project Name: Arco AM/PM

Project Address: 1402 S MERIDIAN

PUYALLUP, WA 98371

Project Description:



Date: 11/1/2023 1:20:41 PM

PROJECT INFORMATION:

FULL SIZED LEDGIBLE COLOR REPORT IS REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS

Current Submittal: APPROVED FOR PRODUCTION

REFERENCE DOC	UMENTS:				
DISCIPLINE	ВҮ	DATE	revision#	TYPE	SHEETS
Architectural	NOT PROVIDED				Not Provided
Structural	Barghausen Consulting Engineers, Inc.	10/4/23		BID	Full Set
Mechanical	NOT PROVIDED				Not Provided

PROJECT CONTACTS:

<u>Technical Representative:</u>

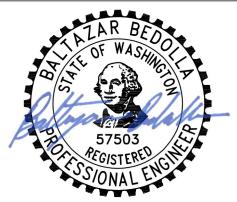
Trevor Allmon (614) 915-4463 TAllmon@redbuilt.com

Design Technician:

Douglas Taraska 380-799-5141

DTaraska@redbuilt.com

Checking by PCS is only for conformance of design criteria and concept. Structural performance of the supplier designed components is the responsibility of the components structural engineer. BRT 11/6/2023



Digitally signed by Baltazar Bedolla Date: 2023.11.06 07:09:26-08'00'

Material List and Calculations pp: 1-6

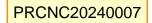
Shop Drawings pp: R002-

Our responsibility is limited to the design of RedBuilt products in accordance with the above referenced documents based on design loads specified by the Engineer Of Record.

IMPORTANT (Please Read)

- Installation of the materials is the sole responsibility of the installer.
- Refer to Installation Information sheets for more detailed instruction.
- all materials shall be furnished by others unless included on the material list provided herein.

APPROVED FOR PRODUCTION





RB Number | 137320 Project Name | Arco AM/PM Location | Puyallup, WA

Delivery D2: IJOIST
Plant Stayton



Material List

Operator DVT
Office Delaware

Comment

Status Approved For Production

Report Type Customer

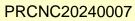
Red-I™	Produc	ts		Joists									
Quantity	Туре	Series	Depth	Length	Profile	Bevel Cut	WS Att.	Knockouts	Camber	P.E.T.		Footage	Notes
20	E1	Red-I65	11.88	24'-6.00"	None		Left			No		490.0	
3	E2	Red-I65	11.88	17'-0.00"	None		Left			No		51.0	
23		Red-I65	11.88		• • • • • • • • •	• • • • • •		• • • • • •	• • • • • •		Total	541.0	

Red-I™	Produc	ts		Web Stiffe	eners								
Quantity	Туре	Series	Depth	Installation	Location	Standard	Beveled	Angle	Length	Width	Bevel Cut	Mat'I	Notes
46		Red-I65	11.875	Loose	End	Tall	Not Beveled	0.0	8.250	3.500	0.000	PWD/OSB	

Red-I™	Produc	ts		Blocking I	Panels				
Quantity	Туре	Series	Depth	Length	End Blocks	Custom Depth	Knockouts		Notes
21		Red-I65	11.875	27.000	None				

				Connector	rs								
Quantity	Туре	Model	Тор	Face	Member	Slope	Skew	TF Sloped Down L/R	TF Open/ Closed	TF Offset	NetH	Finish	Notes
46	1	ITS2.56/11.88	4-0.148x1.5	4-0.148x1.5	4-0.148x1.5								
8	2	ITS2.56/11.88	4-N10	4-N10	4-N10								

			Hardware	
Quantity	Туре	Description		Notes
6.0 lb		10dx1.5" Nails (0.148"x1.5")		





RedSpec[™] by RedBuilt[™] v7.1.15

Project: Project
Location: Puyallup, WA
Folder: Folder

Date: 11/3/23 10:34 AM **Designer:** Douglas Taraska

Comment:

Type: E1 Uplift

11.875" Red-I65™ @ 24" o.c.

This product meets or exceeds the set design controls for the application and loads listed

DESIGN CONTROLS Shear (lb) Positive Moment (ft-lb) Negative Moment (ft-lb)	% 30% 26% 29%	Desigi -784 2028 -2254	4 25 8 77	DOL 593 Snow(1 762 Snow(1 762 Snow(1	.15%)	Combinat 1.0D+1.09 1.0D+1.09 1.0D+1.09	5	Pattern All Spans Odd Members All Spans	Pass/Fail PASS PASS PASS
DEFLECTIONS (in) Span Live Span Total	% 24% 28%	Design 0.131 0.230	Allow. 0.545 0.817	Design L / 999+ L / 853	Allow. L / 360 L / 240	Combinat 1.0D+1.05 1.0D+1.05	S	Pattern Odd Members Odd Members	Pass/Fail PASS PASS
SUPPORTS Live Reaction, Critical (Ib) Dead Reac Total Reaction (Ib) Net Uplift Reaction (Ib) Req'd Bearing, No Stiffe Req'd Bearing, Stiffe	tion (Ib) (DOL%) (DOL%) Bearing Support ners (in)	265 604 (115 -90 (160 Flush Wall 1.75	5) 5)	Support 2 840 (115) 672 1512 (115) -216 (160) Bottom Wall 3.50	176 23 199				
HANGERS Model Left ITS2.56/11.88 Slope: 1º U) None		Top (4) 0.148x1	Face	e).148×1.5	Member (4) 0.148×1.5	Header LVL DF/SP	Size 1.75×11.875
Right ITS2.56/11.88 Slope: 1º D	*			(4) 0.148x1	1.5 (4) ().148×1.5	(4) 0.148x1.5	LVL DF/SP	1.75x11.875

SPANS AND LOADS

Dimensions represent horizontal design spans.

(* = Web stiffeners required)



APPLICATION LOADS

TypeUnitsDOLLiveDeadPartitionTributaryMember TypeUniformpsfSnow(115%)2520024"Snow Roof Joist

ADDITIONAL LOADS

TypeUnitsDOLLiveDeadLocation from leftApplicationCommentUniformpsfWind(160%)-30.700'-0.0" to 24'-0.0"Adds ToWind Uplift

NOTES

- Building code and design methodology: 2018 IBC ASD (US).
- Product Acceptance: ICC-ES ESR-2994 and LABC/LARC Supplement.
- Continuous lateral support required at top edge. Lateral support at bottom edge shall be per RedBuilt recommendations.
- Net uplift over 200 lb detected.
- Sloped length multiplier = 1.000. Bevel cut add = 0.25".

C:\Users\dtaraska\RedBuilt\137320 Arco AM PM - Puyallup, WA - Documents\General\Design\137320CARWASH.red

11/3/2023 10:34:59 AM Project : Folder : E1 Uplift Page 1 of 1

The products noted are intended for interior, untreated, non-corrosive applications with normal temperatures and dry conditions of use, and must be installed in accordance with local building code requirements and RedBuilt™ recommendations. The loads, spans, and spacing have been provided by others and must be approved for the specific application by the design professional for the project. Unless otherwise noted, this output has not been reviewed by a RedBuilt™ associate. PRODUCT SUBSTITUTION VOIDS THIS ANALYSIS.



RedSpec[™] by RedBuilt[™] v7.1.15

Project: Project
Location: Puyallup, WA
Folder: Folder

Date: 11/3/23 10:34 AM **Designer:** Douglas Taraska

Comment:

Type: E1

11.875" Red-I65™ @ 24" o.c.

This product meets or exceeds the set design controls for the application and loads listed

DESIGN CONTROLS Shear (lb)	% 30%	Design	4 25	DOL 593 Snow(1		1.0D+1.09	S	Pattern All Spans	Pass/Fail
Positive Moment (ft-lb)	26%	202		762 Snow(1		1.0D+1.09		Odd Members	PASS
Negative Moment (ft-lb)	29%	-225	4 /,	762 Snow(1	.15%)	1.0D+1.09	5	All Spans	PASS
DEFLECTIONS (in) Span Live Span Total	% 24% 28%	Design 0.131 0.230	Allow. 0.545 0.817	Design L / 999+ L / 853	Allow. L / 360 L / 240	Combina 1.0D+1.0 1.0D+1.0	S	Pattern Odd Members Odd Members	Pass/Fail PASS PASS
SUPPORTS Live Reaction, Critical (Ib)	(DOL%)	Suppor 339 (11)		Support 2 840 (115)		port 3 (115)			
Live Reaction, Max. (lb)	(DOL%)	352 (16	0)	872 (160)	183	(160)			
Dead Read	tion (lb)	265		672	23				
Total Reaction (lb)	(DOL%)	617 (16	0)	1544 (160)	206	(160)			
Net Uplift Reaction (lb)	(DOL%)				-125	5 (115)			
	Bearing			Bottom	Flus				
	Support			Wall	Wall				
Req'd Bearing, No Stiffe				3.50	1.75	i			
Req'd Bearing, Stiffe	ners (in)	-		-	-				
HANGERS Model				Тор	Face	e	Member	Header	Size
Left ITS2.56/11.88				(4) 0.148x1	1.5 (4) (0.148x1.5	(4) 0.148x1.5	LVL DF/SP	1.75×11.875
Slope: 1º U) None							
Right ITS2.56/11.88 Slope: 1º D		v: 0 None		(4) 0.148x1	1.5 (4)	0.148x1.5	(4) 0.148x1.5	LVL DF/SP	1.75×11.875

SPANS AND LOADS

Dimensions represent horizontal design spans.

(* = Web stiffeners required)



APPLICATION LOADS

TypeUnitsDOLLiveDeadPartitionTributaryMember TypeUniformpsfSnow(115%)2520024"Snow Roof Joist

ADDITIONAL LOADS

TypeUnitsDOLLiveDeadLocation from leftApplicationCommentUniformpsfWind(160%)1600'-0.0" to 24'-0.0"Adds ToWind Down

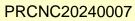
NOTES

- Building code and design methodology: 2018 IBC ASD (US).
- Product Acceptance: ICC-ES ESR-2994 and LABC/LARC Supplement.
- Continuous lateral support required at top edge. Lateral support at bottom edge shall be per RedBuilt recommendations.
- Sloped length multiplier = 1.000. Bevel cut add = 0.25".

C:\Users\dtaraska\RedBuilt\137320 Arco AM PM - Puyallup, WA - Documents\General\Design\137320CARWASH.red

11/3/2023 10:34:35 AM Project : Folder : E1 Page 1 of 1

The products noted are intended for interior, untreated, non-corrosive applications with normal temperatures and dry conditions of use, and must be installed in accordance with local building code requirements and RedBuilt™ recommendations. The loads, spans, and spacing have been provided by others and must be approved for the specific application by the design professional for the project. Unless otherwise noted, this output has not been reviewed by a RedBuilt™ associate. PRODUCT SUBSTITUTION VOIDS THIS ANALYSIS.





RedSpec™ by RedBuilt™ v7.1.15

Project: Project Location: Puyallup, WA Folder: Folder

Date: 11/3/23 10:32 AM **Designer:** Douglas Taraska

Comment:

Type: E2 Uplift

11.875" Red-I65™ @ 24" o.c.

This product meets or exceeds the set design controls for the application and loads listed

DESIGN CONTROLS Shear (lb) Positive Moment (ft-lb) Negative Moment (ft-lb)	% 28% 39% 4%	Desigr 735 3002 -428	5 25 2 77	DOL 593 Snow(1159 62 Snow(1159 800 Wind(1609	%) 1.0D+ %) 1.0D+	-1.0S	Pattern All Spans All Spans All Spans	Pass/Fail PASS PASS PASS
DEFLECTIONS (in) Span Live Span Total	% 37% 45%	Design 0.204 0.367	Allow. 0.545 0.817	L/963 L	/ 360 1.0D-	bination +1.0S +1.0S	Pattern All Spans All Spans	Pass/Fail PASS PASS
SUPPORTS Live Reaction, Critical (lb) Dead Reac Total Reaction (lb) Net Uplift Reaction (lb) Req'd Bearing, No Stiffer Req'd Bearing, Stiffer	tion (Ib) (DOL%) (DOL%) Bearing Support ners (in)	327 735 (115 -105 (16 Flush Wall 1.75	5) 5)	Support 2 408 (115) 327 735 (115) -105 (160) Flush Wall 1.75				
HANGERS Model Left ITS2.56/11.88	*			Top (4) 0.148x1.5	Face (4) 0.148×1	Member .5 (4) 0.148×1.5	Header LVL DF/SP	Size 1.75×11.875

Right ITS2.56/11.88*

Slope: 1º Down, Skew: 0 None (* = Web stiffeners required)

Slope: 1º Up, Skew: 0 None

(4) 0.148x1.5

(4) 0.148x1.5

(4) 0.148x1.5

(4) 0.148x1.5

LVL DF/SP

1.75x11.875

SPANS AND LOADS

Dimensions represent horizontal design spans.

16'- 4.0"

APPLICATION LOADS

Units DOL Live Dead **Partition Tributary Member Type** Type Snow(115%) Snow Roof Joist Uniform psf 24" 25 20

ADDITIONAL LOADS

Units DOL Live Dead Location from left Application Comment Type Wind(160%) Uniform psf -30.7 0 0'-0.0" to 16'-4.0" Adds To Wind Uplift

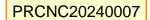
NOTES

- \bullet Building code and design methodology: 2018 IBC ASD (US).
- Product Acceptance: ICC-ES ESR-2994 and LABC/LARC Supplement.
- Continuous lateral support required at top edge. Lateral support at bottom edge shall be per RedBuilt recommendations.
- Sloped length multiplier = 1.000. Bevel cut add = 0.25".

C:\Users\dtaraska\RedBuilt\137320 Arco AM PM - Puyallup, WA - Documents\General\Design\137320CARWASH.red

11/3/2023 10:32:05 AM Project : Folder : E2 Uplift Page 1 of 1

The products noted are intended for interior, untreated, non-corrosive applications with normal temperatures and dry conditions of use, and must be installed in accordance with local building code requirements and RedBuilt™ recommendations. The loads, spans, and spacing have been provided by others and must be approved for the specific application by the design professional for the project. Unless otherwise noted, this output has not been reviewed by a RedBuilt™ associate. PRODUCT SUBSTITUTION VOIDS THIS ANALYSIS.





RedSpec[™] by RedBuilt[™] v7.1.15

Project: Project
Location: Puyallup, WA
Folder: Folder

Date: 11/3/23 10:32 AM **Designer:** Douglas Taraska

Comment:

Type: E2

D---/F-:I

11.875" Red-I65™ @ 24" o.c.

Cambination

This product meets or exceeds the set design controls for the application and loads listed

DESIGN CONTROLS	%	Desig	n Allo	ow. DOL		Combination	Pattern	Pass/Fail
Shear (lb)	28%	73	5 25	593 Snow(115%)	1.0D+1.0S	All Spans	PASS
Positive Moment (ft-lb)	39%	300	2 77	762 Snow(115%)	1.0D+1.0S	All Spans	PASS
DEFLECTIONS (in)	%	Design	Allow.	Design	Allow.	Combination	Pattern	Pass/Fail
Span Live	37%	0.204	0.545	L / 963	L/360	1.0D+1.0S	All Spans	PASS
Span Total	45%	0.367	0.817	L / 535	L / 240	1.0D+1.0S	All Spans	PASS
SUPPORTS		Suppor	t 1	Support 2	2			
Live Reaction, Critical (lb)	(DOL%)	408 (11	5)	408 (115)				
Live Reaction, Max. (lb)	(DOL%)	424 (16	0)	424 (160)				
Dead Read	tion (lb)	327	•	327				
Total Reaction (lb)	(DOL'%)	751 (16	0)	751 (160)				

| Total Reaction (Ib) (DOL%) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) | 751 (160) |

HANGERS Model

Left ITS2 56/11 88*

Slope: 1º Up, Skew: 0 None Right ITS2.56/11.88*

Slope: 1º Down, Skew: 0 None

(* = Web stiffeners required)

Top (4) 0.148x1.5

(4) 0.148x1.5

(4) 0.148x1.5 (4) 0.148x1.5 Member (4) 0.148×1.5 (4) 0.148×1.5 Header LVL DF/SP

1.75x11.875

1.75x11.875

SPANS AND LOADS

Dimensions represent horizontal design spans.

16'- 4.0"

APPLICATION LOADS

TypeUnitsDOLLiveDeadPartitionTributaryMember TypeUniformpsfSnow(115%)2520024"Snow Roof Joist

ADDITIONAL LOADS

TypeUnitsDOLLiveDeadLocation from leftApplicationCommentUniformpsfWind(160%)1600'-0.0" to 16'-4.0"Adds ToWind Down

NOTES

- \bullet Building code and design methodology: 2018 IBC ASD (US).
- Product Acceptance: ICC-ES ESR-2994 and LABC/LARC Supplement.
- Continuous lateral support required at top edge. Lateral support at bottom edge shall be per RedBuilt recommendations.
- Sloped length multiplier = 1.000. Bevel cut add = 0.25".

C:\Users\dtaraska\RedBuilt\137320 Arco AM PM - Puyallup, WA - Documents\General\Design\137320CARWASH.red

11/3/2023 10:32:45 AM Project : Folder : E2 Page 1 of 1

The products noted are intended for interior, untreated, non-corrosive applications with normal temperatures and dry conditions of use, and must be installed in accordance with local building code requirements and RedBuilt™ recommendations. The loads, spans, and spacing have been provided by others and must be approved for the specific application by the design professional for the project. Unless otherwise noted, this output has not been reviewed by a RedBuilt™ associate. PRODUCT SUBSTITUTION VOIDS THIS ANALYSIS.

PRCNC20240007

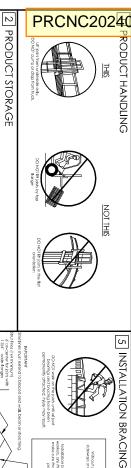
I-JOIST INSTALLATION INFORMATION

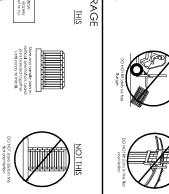
ATTENTION BUILDER

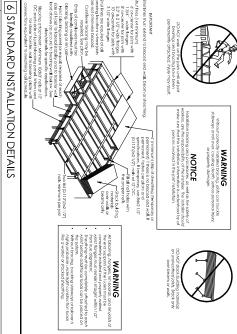
Enclosed is IMPORTANT information on how to safely and properly install RedBuiltim Joists. Personal injury or death may result from failure to read and follow this information.

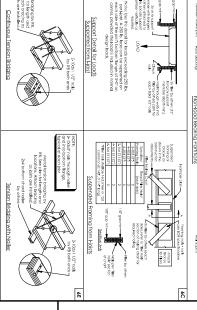
7 ALLOWABLE HOLES











ywhere in the web. Leave 1/8' of of hale. **DO NOT cut joist flanges** pproximately 12' on center: they

4 WEB STIFFENER REQUIREMENTS

Load Transfer at Concentrated Loads

6D

we said 2x blacking under ost to transfer load around ist. Cut blacks 1/16" longer on joist depth.

éF

The jasts are designed for the normal component of the vertical load only.
 The tangential component of the vertical load must be designed into the roof

IMPORTANT
Nailing closer than specified may cause the flange to split.

best attachment For 1 30° thick thanges, attach with a minamune for a 00° thick thanges, attach with a minamune for early 10° to be and 10° to

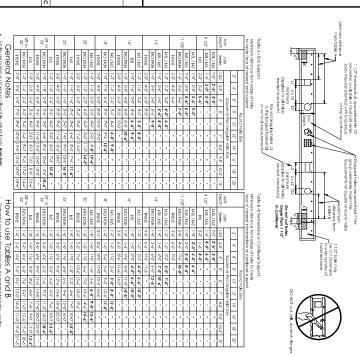
3 FLANGE AND BEAM NAILING

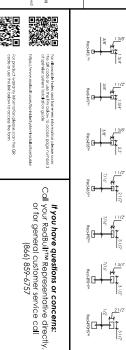
Nail Size

1 1/2"Thick FJoist Flange®

6B

should stay clear when culting the banding to avoid passible injury from thing banding or toppling joists.





Sheet R002

PRCNC20240007

GENERAL INFORMATION

* ALL MAIS SPECIFIED IN FRANING PACKAGE TO BE "COMMON" MAIS UNLESS MOTED OTHERWISE LYEE PROPERS SEE MAIS TO FILL ALL MAILS HOLES IN BEARING CLIPS, BRACING, ETC. **-WANUFACUREES RESPONSIBILITY IS ONLY FOR THE DESIGN OF THE RERDBUILTM*
PRODUCTS AND NOT FOR ANY SUPPORTING STRUCTURE OR LOADS OTHER THAN
INDICATED HERRIN, ALL MATERIALS SHALL BESUPPLIED BY OTHERS, UNLESS
SPECIFICALLY NOTED AS "BY RB" OR "BY REDBUILTIM" HERBIN.

* CONTINU

PRODUCT CALLOUT AND QUANTITY ON PLAN.

"XX" - STRUCTURAL MEMBER TYPE CALLOUT

(##) - QUANTITY OF STRUCTURAL MEMBERS IN BAY DRAWING NOTES & LEGEND

* REFER TO CURRENT SIMPSON STRONG TIE® LITERATURE FOR HANGER SPECIFIC NSTALLATION INSTRUCTIONS. STRAPS, ANCHORS, CLIPS, AND OTHER HARDWARE NOT SHOWN ARE TO BE PROVIDED OTHERS, HARDWARE SHOWN IS TO BE PROVIDED BY OTHERS UNLESS MARKED BY REFER TO THE CONTRACT DOCUMENTS FOR HARDWARE SPECIFICATIONS AND STALLATION INSTRUCTIONS.

> THE DESIGN OF REDBUILT PRODUCTS FOR THIS PROJECT IS BASED ON DRY SERVICE CONDITIONS. (AVERAGE EQUILIBRIUM MOISTURE CONTENT OVER A YEAR IS 15% OF LESS AND DOES NOT EXCEED 17%). ALL DIMENSIONS ARE FROM FACE-OF-STUD, FACE-OF-CONCRETE OR CENTER-OF-COLUMN/BEAM UNIESS NOTED OTHERWISE.

I-JOIST NOTES & LEGEND

+ for beams supplied by others, see contract documents for specifications and other information not shown herein. SEE I-JOIST INSTALLATION SHEET FOR WEB STIFFENER NAILING

.148"×3" FASTENER SIZES .148" x 1.5" .131" x 1.5" #95D [2] #108D [2] .162"×1.5"

(1)

EARING LOCATIONS OR SPECIFIC DETAIL

SNOW LOAD [8 115%):

25 PSF 20 PSF

DESIGN CONSIDERATIONS

 $^{\prime}$ Gauge staples may be a direct substitute for 8d x 2.5' Nai.3 for Web eners only

.162" x 3.5"

.162" x 2.5"

ABBREVIATIONS

ADDKEVIATION	BRAS
AFP	APPROVED FOR PRODUCTION
AOR	ARCHITECT OF RECORD
BLK/BLKG	BLOCKING
880	BEAM BY OTHERS
2	CENTERUNE
COL	COLUMN
780	DOUBLE
무	DEAD LOAD
EOR	BUGINEER OF RECORD
FBO	FRAMING BY OTHERS
FOB	FACE OF BEAM
8	FACE OF CONCRETE/CMU
FQ.	FACE OF STUD
FOSH	FACE OF SHEATING
90	GENERAL CONTRACTOR
HDG	HOT-DIPPED GALVANIZED
8	INTERNATIONAL BUILDING CODE
LBS	POUNDS
F	LIVELOADS
181	LAMINATED STRAND LUMBER
IM	LAMINATED VENEER LUMBER
OFA	OUT FOR APPROVAL
OW	OPEN WEB TRUSSES BY REDBUILTIM
PL	PARTITION LOAD
PLF	POUNDS PER LINEAL FOOT
PLI	PLATE
PSF	POUNDS PER SQUARE FOOT
PSL	PARALLEL STRANDED LUMBER
78	REDBUILTIM
SIM	SIMILAR
TYP	TYPICAL

WIDE FLANGE

FRAMING BY OTHERS ARCHITECT, STRUCT REDBUILT BEARING DETAIL

> REDBUILT WILL PROVIDE GLULAM BEAMS WITH A 5000' RADIUS CAMBER, V8 BEAMS WILL NOT BE CAMBERED. THIRD PARTY PRODUCTS SOURCED BY REDBUILT

LAM BEAMS BY REDBUILT ARE SUPPILED BASED ON THE SPECIFICATION SHOWN OWNER OF DOCUMENTS RECEIVIL SERVICES FOR THESE ITEMS ARE LIMITED TO TRAININGS ONLY, APPLICATION AND ADEQUACY REPREVOIR GUILLAM RETHE SOLE RESPONSIBILITY OF DESIGN PROTESSIONAL OF RECORD AND ARE WIDED BY RESBUILT.

FOR ALLOWASE HOLES, FASTERER INFORMATION OR ATLACHMENT OF SYMMETR LINES, MECHANICAL DICTS, ETC. TO REDBUILT JOST OR TRUSES, SCAN THE GR CODE OR USE THE LINE BELOW TO DOWNLOAD A COPY OF OUR STRUNGER SYSTEM INSTALLATION GUIDE:

SLOPE IN FRAMING STEP IN FRAMING

PRODUCT WARRANTY INFORMATION PLEASE SCANTHE CODE OR USE THE LINK BELOW TO ACCESS THE FORM

-THINK SAFETY-READ INSTALLATION INFORMATION BEFORE PROCEEDINGREADY, RECHASIN, RECHESIN, RECHES

APPROVED FOR PRODUCTION

PROJECT INFORMATION

137320

R010

PLAN SYMBOLS

LOCATION OF BEAL INFORMATION.

RECTANGULAR SECTIONS

ALL REDLAM I'VI. MATERIAL AND ANY ASSOCIATED HARDWARE PROVIDED BY REDBUIT IS. AS SPECIFIED ON THE CONTRACT DRAWINGS, SPECIFICATION AND SIZE HAVE NOT BEEN VERHED BY REDBUIT DYGINETING, UNLESS OPHERWIS FIOTED.

X INTERMITTENT ROW(S) OF METAL CROSS BRACING BY RB, FOR ADDITIONA INFORMATION, SEE MATERIAL UST AND DETAILS OF & BIC ON OPEN WEB INSTALLATION SHEET. "4.#" METAL BRACE LENGTH FROM TIP TO TIP.

CONTINUOUS BOWN OF ALAM BOTTOM CHORD NALER BILL FOR ADDITIONAL INFORMATION. SEE MATERIAL LIST AND DETAIL BC ON OPEN WEB INSTALLATION SHEET.

2/4 STARTER STRUT BY OTHERS, REQUIRED DURING TRUSS INSTALLATION. SEE SECTION 5 OF THE OPEN WEB INSTALLATION SHEET. CONTINUOUS ROW OF METAL STRUT BRACKING BY RE, REQUIRED FOR LATERAL SUPPORT DUBYNG TRUSS INSTALLATION. SEE SECTION 5 OF THE OPEN WEB.
INSTALLATION SHEET.

OPEN-WEB NOTES & LEGEND
RETHAN 20 TRUSES PER BAY ARE TO BE INSTALLED BEFORE

SPRINKLER LINES ARE ASSUNCTED OTHERWISE.

DESIGN WIND PRESSURE (ULT @ 140%): ZONE 1' ZONE 1 ZONE 2 ZONE 3 +16.0/-16.0 PSF +16.0/-18.5 PSF +16.0/-24.6 PSF +16.0/-30.7 PSF

CESORES:
WS# - REVELED BEARING PLATES
BP# - BEVELED BEARING PLATES
- HANGERS
18## - TENSON BRIDGING
- OPENWEB K-BRACING

TANGULAR SECTION PRODUCTS: G# - GLULAM BEAMS P# - PARALLAM BEAMS R# - REDLAM BEAMS

* 5 PSF INCLUDED IN DESIGN DL FOR FUTURE SOLAR

DESIGN INFORMATION

PROJECT ASSIMPTIONS

ALL MACCEL LAPOINTERS ASSISTED THE SECULOPORT BECAUTO OF THE PROJECT AND ALL ALL OPENINGS (HATCHES, DUCTWORK, SKYLIGHTS, ETC.), ARE ASSUMED TO FIT BETWEEN REDULAR ON-CENTER, SPACING AS SHOWN, UNLESS SPECIFICALLY SHOWN OTHERWISE ON THESE SHOP DRAWNGS.

ADDITIONAL LOADING

PRODUCT CALLOUT LEGEND

RED LICHST SUB-TYPE CALLOUTS (I.E. F4D):

D. FACTORY ASSEMBLED DOUBLE JOIST D - FACTORY ASSEABLED DOUBLE TRUSS WITH LIBS
H - SINGLE TRUSS WITH FACTORY INSTALLED HEADER CLIPS
S - SINGLE TRUSS WITH FACTORY INSTALLED LIBS
W - FACTORY ASSEMBLED WIDE DOUBLE TRUSS WITH LIBS



PROJECT 3D VIEW

Digitally signed by Baltazar Bedola Date: 2023.11.06.07:09:46-08:00*

Arco AM/PM Description

1402 S MERIDIAN

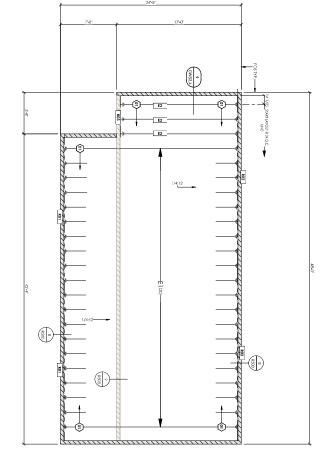
PUYALLUP, WA 98371



Quantity Type 3rd Party - Connectors (Sourced by RedBuilt™)

¥	ף™ Prod	am™ Products - LVL Beams (Car Wash)	ar Wash)
`	Type	Description	Total
Ш	R01	1 3/4 x 11 7/8" 2.0E Rectam LVL	21 0
	R02	1 3/4'x11 7/8' 2.0E RedLam LVL	24' 0"
	R03	1 3/4 x 11 7/8" 2.0E Red Lam LVL	9 O

XIG.	-	8	Yes	17.0	11 7/8" Red-165 Joist	22	3
X0X		8	Yes	24 6	11 7/8" Red-165 Joist	E)	20
R01	2	Right	Leff	co. rengin	acacilpiio	.797:	400,
Type	Quantity	WS Attached	WS At	Cut lanoth	Description	Type	Directify
ן™ Pro	RedLam™ Proc		s	ucts - Joists	Red-I™ Products - Joists		



APPROVED FOR PRODUCTION CAR WASH ROOF
PLACEMENT PLAN

R131

137320 Description Revisions

Arco AM/PM 1402 S MERIDIAN PUYALLUP, WA 98371





