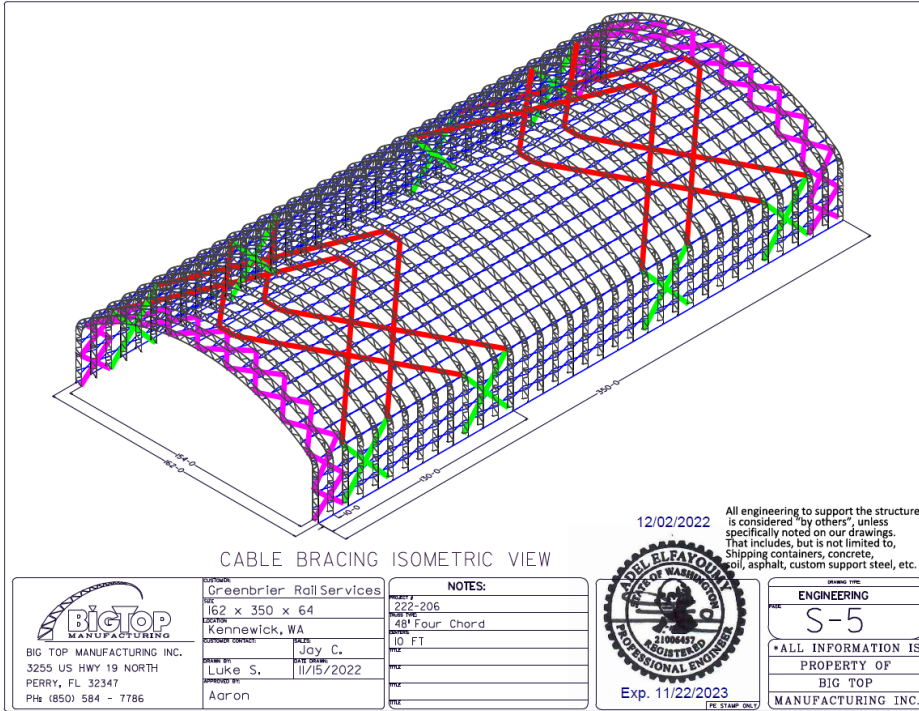


Greenbrier Rail Service 162x350x64 Kennewick, WA



12/02/2022

All engineering to support the structure is considered "by others", unless specifically noted on our drawings. That includes, but is not limited to, Shipping containers, concrete, soil, asphalt, custom support steel, etc.

CABLE BRACING ISOMETRIC VIEW

BIG TOP MANUFACTURING INC.
3255 US HWY 19 NORTH
PERRY, FL 32347
Ph: (850) 584 - 7786

Customer: Greenbrier Rail Services	
SIZE:	162 x 350 x 64
LOCATION:	Kennewick, WA
DESIGNER:	Joy C.
DATE:	11/15/2022
APPROVED BY:	Luke S.
DATE:	Aaron

NOTES:	
PROJECT:	222-206
DESCRIPTION:	48' Four Chord
HEIGHT:	10 FT
DATE:	
SCALE:	
BY:	
CHECKED BY:	
DATE:	

ENGINEERING
FILE: S-5
ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING INC.

A. GENERAL REQUIREMENT:

- Furnish all labor, materials, and equipment necessary to complete the work shown or inferred by these drawings.
- Where construction details are not shown or noted for any part of the work, such details shall be the same as for similar work shown on the drawings.
- Notes and details on the drawings take precedence over the general notes and typical details in case of conflict.
- Locate and protect underground or concealed conduit, plumbing or other utilities where new work is being performed.
- The contract drawings and specifications represent the finished structure and do not indicate methods, procedures or sequence of construction. The contractor shall take necessary precautions to maintain and insure the integrity of the new and any existing structures during construction. The design stresses shall not be exceeded during construction based on the age of each element. Neither the owner nor Architect/Engineer will enforce safety measure regulations. Installation Contractor shall design, construct and maintain all safety devices, including shoring and bracing for the new and any existing structures and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations.
- Obtain prior written approval for any changes to the drawings.
- The contractor shall review and compare the structural drawings with all other Construction Documents, such as Architectural, Mechanical and Electrical drawings, specifications, etc. Do not scale drawings. The contractor shall verify dimensions, elevations and all information. Report, in writing, any inconsistencies, errors, or omissions to the Architect/Engineer of record before proceeding with the work.
- All existing constructions are shown schematic only. Installation Contractor is responsible to verify actual conditions and allow for them in his bid. Notify the Architect/Engineer, in writing, in case of any discrepancy between actual conditions and what is shown on the structural drawings before proceeding with the work.
- See Architectural, Mechanical, Electrical and other drawings for embedded items.
- All communication shall be in writing. No verbal communications, decisions, instructions or approvals shall be valid.
- Adequate drainage path must be provided to drain water away from the perimeter of the building.

PSE Consulting Engineers, Inc.
www.structure1.com
Klamath Falls Office
250 Main
Klamath Falls, Oregon
97603
Phone: (541) 850-6300
Fax: (541) 850-6233
info@structure1.com

B. CODE AND LOADS:

- All material and construction work for this project shall conform to 2018 International Building Code. The International Building Code Parameters are:
- Roof Dead Load = 2 PSF
 - Ground Snow Load = 20 PSF
 - Roof Snow Load = 16.8 PSF (Govers)
 - Roof Live Load = 5 PSF
 - Seismic Occupancy Category = II
 - R, Response Modification Coefficient = 1
 - Ultimate Wind Speed, V3g = 110 mph, Exposure = C, Category II

C. HOT-ROLLED STEEL:

- Tube Frames shall be manufactured from A500 In-line galvanized steel with the following properties:
 - Yield strength: 50,000 psi (rectangular); 55,000 psi (round)
 - Tensile Strength: 55,000 psi (rectangular); 60,000 psi (round)
- The In-line galvanized steel tube meet the ASTM A-107A & ASTM A107M - 08 Standard Specification for In-line galvanized coating.

D. FOUNDATION DESIGN:

- Concrete pad/foundation design/check to support the truss reactions/loads was not included in the scope of services.
- Any foundations shown on the drawings, are approximate and need to be verified/checked based on the local site conditions and local soil properties by a licensed Engineer hired by the Contractor/Builder or Owner of this shelter.
- See S-0A if the foundation is soil anchoring.

12/02/2022

All engineering to support the structure is considered "by others", unless specifically noted on our drawings. That includes, but is not limited to, Shipping containers, concrete, soil, asphalt, custom support steel, etc.

BIG TOP MANUFACTURING INC.
3255 US HWY 19 NORTH
PERRY, FL 32347
Ph: (850) 584 - 7786

Customer: Greenbrier Rail Services	
SIZE:	162 x 350 x 64
LOCATION:	Kennewick, WA
DESIGNER:	Joy C.
DATE:	11/15/2022
APPROVED BY:	Luke S.
DATE:	Aaron

NOTES:	
PROJECT:	222-206
DESCRIPTION:	48' Four Chord
HEIGHT:	10 FT
DATE:	
SCALE:	
BY:	
CHECKED BY:	
DATE:	

ENGINEERING
FILE: S-0
ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING INC.

Bechtel Manufacturing and Technology 106x280x46

New Albany, OH

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9	COVER SHEET & DRAWING INDEX
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S4.52A	FRAME - LATERAL BRACING DETAILS
55	FRAME - ISOMETRIC VIEW
56	FRAME - CABLE BRACING PLAN VIEW
57	FRAME - CABLE BRACING ELEVATION VIEW
58	FRAME - CABLE BRACING CONNECTION DETAILS
S5.58A	FRAME - FOOTPRINT AND ANCHOR DETAILS
59	FRAMING - FRAMING ATTACHMENT DETAILS
S4.59A/S4.59B	END PANEL - LAYOUT AND DETAILS

COVER SHEET & INDEX

BIG TOP MANUFACTURING LLC
3255 US HWY 19 NORTH
PERRY, FL 32347
PH: (850) 584 - 7786

BECHTEL	
PROJECT #	225-099
ADDRESS	36' FOUR-CHORD
HEIGHT	11.2 FT
DATE DRAWN	JAY C. 05/07/2025
DRAWN BY	HUNTER A.
APPROVED BY	*****

NOTES:

PROJECT #	225-099
ADDRESS	36' FOUR-CHORD
HEIGHT	11.2 FT
DATE DRAWN	JAY C. 05/07/2025
DRAWN BY	HUNTER A.
APPROVED BY	*****

ENGINEERING	
S-1	
ALL INFORMATION IS	
PROPERTY OF	
BIG TOP	
MANUFACTURING LLC	

All engineering to support the structure is considered "by others", unless specifically noted on our drawings. That includes, but is not limited to, shipping containers, concrete, soil, asphalt, custom support steel, etc.

A. GENERAL REQUIREMENT:

- Furnish all labor, materials, and equipment necessary to complete the work shown or inferred by these drawings.
- Where construction details are not shown or noted for any part of the work, such details shall be the same as for similar work shown on the drawings.
- Notes and details on the drawings take precedence over the general notes and typical details in case of conflict.
- Locate and protect underground or concealed conduit, plumbing or other utilities where new work is being performed.
- The contract drawings and specifications represent the finished structure and do not indicate methods, procedures or sequence of construction. The contractor shall take necessary precautions to maintain and insure the integrity of the new and any existing structures during construction. The design stresses shall not be exceeded during construction based on the age of each element. Neither the owner nor Architect/Engineer will enforce safety measure regulations. Installation Contractor shall design, construct and maintain all safety devices, including shoring and bracing for the new and any existing structures and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations.
- Obtain prior written approval for any changes to the drawings.
- The contractor shall review and compare the structural drawings with all other Construction Documents, such as Architectural, Mechanical and Electrical drawings, specifications, etc. Do not scale drawings. The contractor shall verify dimensions, elevations and all information. Report, in writing, any inconsistencies, errors, or omissions to the Architect/Engineer of record before proceeding with the work.
- All existing constructions are shown schematic only. Installation Contractor is responsible to verify actual conditions and allow for them in his bid. Notify the Architect/Engineer, in writing, in case of any discrepancy between actual conditions and what is shown on the structural drawings before proceeding with the work.
- See Architectural, Mechanical, Electrical and other drawings for embedded items.
- All communication shall be in writing. No verbal communications, decisions, instructions or approvals shall be valid.
- Adequate drainage path must be provided to drain water away from the perimeter of the building.

B. CODE AND LOADS:

- All material and construction work for this project shall conform to the 2024 Ohio Building Code (OBC 2024) along with Amendments by the Local Authority Having Jurisdiction. The Building Code Parameters are:
 - Roof Dead Load = 9 PSF
 - Ground Snow Load = 25 PSF
 - Roof Snow Load = 16.8 PSF (FLAT)
 - Roof Live Load = 9 PSF
 - Seismic Occupancy Category = I
 - R.R. Response Modification Coefficient = 3.0
 - Ultimate Wind Speed, V_g = 110 mph, Exposure = C, Category I
 - Thermal Factor: Ct = 1.2

C. HOT-ROLLED STEEL:

- Tube Frames shall be manufactured from A500 in-line galvanized steel with the following properties:
 - Yield strength: 50,000 psi (rectangular); 55,000 psi (round)
 - Tensile Strength: 55,000 psi (rectangular); 60,000 psi (round)
 - The in-line galvanized steel tube meet the ASTM A-1075 & ASTM A1075M - 08 Standard Specification for in-line galvanized coating.

D. FOUNDATION DESIGN:

- Concrete pad/foundation design/check to support the truss reactions/loads was not included in the scope of services.
- Any foundations shown on the drawings, are approximate and need to be verified/checked based on the local site conditions and local soil properties by a licensed Engineer hired by the Contractor/Builder or Owner of this shelter.

BIG TOP MANUFACTURING LLC
3255 US HWY 19 NORTH
PERRY, FL 32347
PH: (850) 584 - 7786

BECHTEL	
PROJECT #	225-099
ADDRESS	36' FOUR-CHORD
HEIGHT	11.2 FT
DATE DRAWN	JAY C. 05/07/2025
DRAWN BY	HUNTER A.
APPROVED BY	*****

NOTES:

PROJECT #	225-099
ADDRESS	36' FOUR-CHORD
HEIGHT	11.2 FT
DATE DRAWN	JAY C. 05/07/2025
DRAWN BY	HUNTER A.
APPROVED BY	*****

ENGINEERING	
S-0	
ALL INFORMATION IS	
PROPERTY OF	
BIG TOP	
MANUFACTURING LLC	

All engineering to support the structure is considered "by others", unless specifically noted on our drawings. That includes, but is not limited to, shipping containers, concrete, soil, asphalt, custom support steel, etc.

Michels 162x300x41 Port Washington, WI

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S3,3A	FRAME - SECTION CONNECTION DETAILS
S4,5A	FRAME - LATERAL BRACING DETAILS
S5	FRAME - ISOMETRIC VIEW
S6	FRAME - CABLE BRACING PLAN VIEW
S7	FRAME - CABLE BRACING ELEVATION VIEW
S8	FRAME - CABLE BRACING CONNECTION DETAILS
S15,16	FRAME - FOOTPRINT AND ANCHOR DETAILS
S20	FABRIC - FABRIC ATTACHMENT DETAILS
S25A,S25B	END PANEL - LAYOUT AND DETAILS

COVER SHEET & INDEX

<p>BIG TOP MANUFACTURING LLC 3255 US HWY 19 NORTH PERRY, FL 32347 PH: (850) 584 - 7786</p>	<p>OWNER: MICHEL'S 162 X 300 X 41 PORT WASHINGTON, WI OWNER CONTACT: JAY C. C. NEIDHART II/13/2025</p>	<p>NOTES: PROJECT: 225-283 DESCRIPTION: 48" FOUR-CHORD SPAN: 10 FT</p>	<p>ENGINEERING NAME: S-1 *ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING LLC</p>
	<p>PROFESSIONAL ENGINEER NAME: KAMR KAMR 43284 KLAMATH FALLS, OREGON Exp: 07/31/26</p>	<p>11-25-25 All engineering to support the structure is considered "by others", unless specifically noted on our drawings. This includes, but is not limited to, shipping containers, concrete, soil, asphalt, custom support steel, etc.</p>	

A. GENERAL REQUIREMENT:

- Furnish all labor, materials, and equipment necessary to complete the work shown or inferred by these drawings.
- Where construction details are not shown or noted for any part of the work, such details shall be the same as for similar work shown on the drawings.
- Notes and details on the drawings take precedence over the general notes and typical details in case of conflict.
- Locate and protect underground or concealed conduit, plumbing or other utilities where new work is being performed.
- The contract drawings and specifications represent the finished structure and do not indicate methods, procedures or sequence of construction. The contractor shall take necessary precautions to maintain and insure the integrity of the new and any existing structures during construction. The design stresses shall not be exceeded during construction based on the age of each element. Neither the owner nor Architect/Engineer will enforce safety measure regulations. Installation Contractor shall design, construct and maintain all safety devices, including shoring and bracing for the new and any existing structures and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations.
- Obtain prior written approval for any changes to the drawings.
- The contractor shall review and compare the structural drawings with all other Construction Documents, such as Architectural, Mechanical and Electrical drawings, specifications, etc. Do not scale drawings. The contractor shall verify dimensions, elevations and all information. Report, in writing, any inconsistencies, errors, or omissions to the Architect/Engineer of record before proceeding with the work.
- All existing constructions are shown schematic only. Installation Contractor is responsible to verify actual conditions and allow for them in his bid. Notify the Architect/Engineer, in writing, in case of any discrepancy between actual conditions and what is shown on the structural drawings before proceeding with the work.
- See Architectural, Mechanical, Electrical and other drawings for embedded items.
- All communication shall be in writing. No verbal communications, decisions, instructions or approvals shall be valid.
- Adequate drainage path must be provided to drain water away from the perimeter of the building.

B. CODE AND LOADS:

- All material and construction work for this project shall conform to the 2018 Wisconsin Building Code based on the 2015 International Building Code (IBC 2015) along with Amendments by the Local Authority Having Jurisdiction. The International Building Code Parameters are:
 - Roof Dead Load = 5 PSF
 - Ground Snow Load = 30 PSF
 - Roof Snow Load = 21 PSF (FLAT), C = 1.0
 - Roof Live Load = 5 PSF
 - Seismic Occupancy Category = II
 - R. Response Modification Coefficient = 3.0
 - Ultimate Wind Speed, V_{3g} = 115 mph, Exposure = C, Category II

C. HOT-ROLLED STEEL:

- Tube Frames shall be manufactured from A500 in-line galvanized steel with the following properties:
 - Yield strength: 50,000 psi (rectangular); 55,000 psi (round)
 - Tensile Strength: 55,000 psi (rectangular); 60,000 psi (round)
 - The in-line galvanized steel tube meet the ASTM A-1057A & ASTM A1057M - 08 Standard Specification for in-line galvanized coating.

D. FOUNDATION DESIGN:

- Concrete pad/foundation design/check to support the truss reactions/loads was not included in the scope of services.
- Any foundations shown on the drawings, are approximate and need to be verified/checked based on the local site conditions and local soil properties by a licensed Engineer hired by the Contractor/Builder or Owner of this shelter.

See pages 29 and 132 for un-factored reactions.

<p>BIG TOP MANUFACTURING LLC 3255 US HWY 19 NORTH PERRY, FL 32347 PH: (850) 584 - 7786</p>	<p>OWNER: MICHEL'S 162 X 300 X 41 PORT WASHINGTON, WI OWNER CONTACT: JAY C. C. NEIDHART II/13/2025</p>	<p>NOTES: PROJECT: 225-283 DESCRIPTION: 48" FOUR-CHORD SPAN: 10 FT</p>	<p>ENGINEERING NAME: S-0 *ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING LLC</p>
	<p>PROFESSIONAL ENGINEER NAME: KAMR KAMR 43284 KLAMATH FALLS, OREGON Exp: 07/31/26</p>	<p>11-25-25 All engineering to support the structure is considered "by others", unless specifically noted on our drawings. This includes, but is not limited to, shipping containers, concrete, soil, asphalt, custom support steel, etc.</p>	

Sigma Defense 162x140x54
Yokota, Japan

INDEX OF DRAWINGS	
DRAWING NUMBER	DRAWING TITLE
S1	COVER SHEET & DRAWING INDEX
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S3.3A	FRAME - SECTION CONNECTION DETAILS
S4.5A	FRAME - LATERAL BRACING DETAILS
S5	FRAME - ISOMETRIC VIEW
S6	FRAME - CABLE BRACING PLAN VIEW
S7	FRAME - CABLE BRACING ELEVATION VIEW
S8	FRAME - CABLE BRACING CONNECTION DETAILS
S3.5A	FRAME - FOOTPRINT AND ANCHOR DETAILS
S9	FABRIC - FABRIC ATTACHMENT DETAILS

COVER SHEET & INDEX

BIG TOP MANUFACTURING LLC
3255 US HWY 19 NORTH
PERRY, FL 32347
PH: (850) 584 - 7786

SIGMA DEFENSE
162 X 140 X 54
LOCATION: YOKOTA, JP
DESIGNED BY: GEORGE P.
CHECKED BY: HUNTER A.
DATE: 07/24/2025

NOTES:

PROJECT: 225-153
RISE: 48' FOUR-CHORD
ID: FT
FILE:
FILE:

ldefonso Gonzalez
Digitally signed by ldefonso Gonzalez
Date: 2025.08.06 07:44:28 -05'00'

ENGINEERING
S-1
*ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING LLC

Professional Engineer Seal:
Luis Defonso Gonzalez
No. 09913
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/05/2025
(FC STAMP 282)

All engineering to support the structure is considered "by others", unless specifically noted on our drawings. That includes, but is not limited to, Shipping containers, concrete, soil, asphalt, custom support steel, etc.

A. GENERAL REQUIREMENT:

- Furnish all labor, materials, and equipment necessary to complete the work shown or inferred by these drawings.
- Where construction details are not shown or noted for any part of the work, such details shall be the same as for similar work shown on the drawings.
- Notes and details on the drawings take precedence over the general notes and typical details in case of conflict.
- Locate and protect underground or concealed conduit, plumbing or other utilities where new work is being performed.
- The contract drawings and specifications represent the finished structure and do not indicate methods, procedures or sequence of construction. The design stresses shall not be exceeded during construction based on the age of each element. Neither the owner nor Architect/Engineer will enforce safety measure regulations. Installation Contractor shall design, construct and maintain all safety devices, including shoring and bracing for the new and any existing structures and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations.
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- The contractor shall review and compare the structural drawings with all other Construction Documents, such as Architectural, Mechanical and Electrical drawings, specifications, etc. Do not scale drawings. The contractor shall verify dimensions, elevations and all information. Report, in writing, any inconsistencies, errors, or omissions to the Architect/Engineer of record before proceeding with the work.
- All existing constructions are shown schematic only. Installation Contractor is responsible to verify actual conditions and allow for them in his bid. Notify the Architect/Engineer, in writing, in case of any discrepancy between actual conditions and what is shown on the structural drawings before proceeding with the work.
- See Architectural, Mechanical, Electrical and other drawings for embedded items.
- All communication shall be in writing. No verbal communications, decisions, instructions or approvals shall be valid.
- Adequate drainage path must be provided to drain water away from the perimeter of the building.

B. CODE AND LOADS:

- All material and construction work for this project shall conform to UFC 3-301-01, based on the 2024 International Building Code (IBC 2024), along with Amendments by the Local Authority Having Jurisdiction. The International Building Code Parameters are:
 - a. Roof Dead Load = 5 PSF
 - b. Ground Snow Load = 21 PSF
 - c. Roof Snow Load = 17.6 PSF (FLAT)
 - d. Roof Live Load = 5 PSF
 - e. Seismic Occupancy Category = II
 - f. R. Response Modification Coefficient = 3.0
 - g. Ultimate Wind Speed, V3g = 146 mph, Exposure = C, Category II

C. HOT-ROLLED STEEL:

- Tube Frames shall be manufactured from A500 In-line galvanized steel with the following properties:
 - a. Yield strength: 50,000 psi (rectangular); 55,000 psi (round)
 - b. Tensile Strength: 55,000 psi (rectangular); 60,000 psi (round)
 - c. The in-line galvanized steel tube meet the ASTM A-1057A & ASTM A1057M - 08 Standard Specification for in-line galvanized coating.

D. FOUNDATION DESIGN:

- Concrete pad/foundation design/check to support the truss reactions/loads was not included in the scope of services.
- Any foundations shown on the drawings, are approximate and need to be verified/checked based on the local site conditions and local soil properties by a licensed Engineer hired by the Contractor/Builder or Owner of this shelter.

BIG TOP MANUFACTURING LLC
3255 US HWY 19 NORTH
PERRY, FL 32347
PH: (850) 584 - 7786

SIGMA DEFENSE
162 X 140 X 54
LOCATION: YOKOTA, JP
DESIGNED BY: GEORGE P.
CHECKED BY: HUNTER A.
DATE: 07/24/2025

NOTES:

PROJECT: 225-153
RISE: 48' FOUR-CHORD
ID: FT
FILE:
FILE:

ldefonso Gonzalez
Digitally signed by ldefonso Gonzalez
Date: 2025.08.06 07:44:18 -05'00'

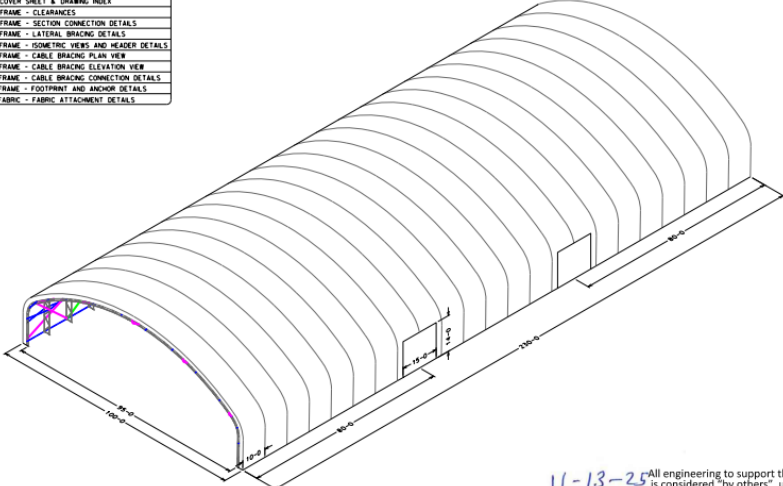
ENGINEERING
S-0
*ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING LLC

Professional Engineer Seal:
Luis Defonso Gonzalez
No. 09913
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/05/2025
(FC STAMP 282)


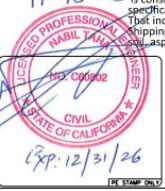
All engineering to support the structure is considered "by others", unless specifically noted on our drawings. That includes, but is not limited to, Shipping containers, concrete, soil, asphalt, custom support steel, etc.

Tesla, Inc 100 x 230 x 35
Fremont, CA

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S5,S5A,S5B	FRAME - SOMETIME VEWS AND HEADER DETAILS
S6	FRAME - CABLE BRACING PLAN VIEW
S7	FRAME - CABLE BRACING ELEVATION VIEW
S8	FRAME - CABLE BRACING CONNECTION DETAILS
S9,S9A,S9B	FRAME - FOOTPRINT AND ANCHOR DETAILS
S10	FABRIC - FABRIC ATTACHMENT DETAILS



COVER SHEET & INDEX

 BIG TOP MANUFACTURING LLC 3255 US HWY 19 NORTH PERRY, FL 32347 PH: (850) 584 - 7786	PROJECT: PRODUCTION TEMP. STR. SIZE: 100 X 230 X 35 LOCATION: FREMONT, CA DRAWN BY: THOMAS H. CHECKED BY: HUNTER A. 11/12/2025 CUSTOMER NAME: CHARLES C. MARTO	NOTES: REVISION: F25-0065 PROJECT: 30' FOUR-CHORD UNIT: ID FT	11-13-25 	ENGINEERING NO: S-1 *ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING LLC
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A. GENERAL REQUIREMENT:

- Furnish all labor, materials, and equipment necessary to complete the work shown or inferred by these drawings.
- Where construction details are not shown or noted for any part of the work, such details shall be the same as for similar work shown on the drawings.
- Notes and details on the drawings take precedence over the general notes and typical details in case of conflict.
- Locate and protect underground or concealed conduit, plumbing or other utilities where new work is being performed.
- The contract drawings and specifications represent the finished structure and do not indicate methods, procedures or sequence of construction. The contractor shall take necessary precautions to maintain and insure the integrity of the new and any existing structures during construction. The design stresses shall not be exceeded during construction based on the age of each element. Neither the owner nor Architect/Engineer will enforce safety measure regulations. Installation Contractor shall design, construct and maintain all safety devices, including shoring and bracing for the new and any existing structures and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations.
- Obtain prior written approval for any changes to the drawings.
- The contractor shall review and compare the structural drawings with all other Construction Documents, such as Architectural, Mechanical and Electrical drawings, specifications, etc. Do not scale drawings. The contractor shall verify dimensions, elevations and all information. Report, in writing, any inconsistencies, errors, or omissions to the Architect/Engineer of record before proceeding with the work.
- All existing structures are shown schematic only. Installation Contractor is responsible to verify actual conditions and allow for them in his bid. Notify the Architect/Engineer, in writing, in case of any discrepancy between actual conditions and what is shown on the structural drawings before proceeding with the work.
- See Architectural, Mechanical, Electrical and other drawings for embedded items.
- All communications shall be in writing. No verbal communications, decisions, instructions or approvals shall be valid.
- Adequate drainage path must be provided to drain water away from the perimeter of the building.

B. CODE AND LOADS:

1. All material and construction work for this project shall conform to 2022 California Building Code (CBC 2022) based on the 2021 International Building Code (IBC 21) along with Amendments by the Local Authority Having Jurisdiction. The International Building Code Parameters are:

- a. Roof Dead Load = 1 PSF
- b. Ground Snow Load = 0 PSF (FLAT)
- c. Roof Snow Load = 0 PSF (FLAT)
- d. Roof Live Load = 5 PSF
- e. Seismic Occupancy Category = II
- f. R. Response Modification Coefficient = 1.0
- g. Ultimate Wind Speed, Vg = 95 mph. Exposure = C, Category III

SEISMIC DESIGN CRITERIA
ALL DEFICIT VALUES PER ASCE 7-16

Ss : 2.39
S1 : 0.94
S0.1 : 1.57
TL : 1.2
FO : 1.2
I0 : 1.0
I1 : 1.0
C0 : 1.438

FOUNDATION SUPPORTED IN REFERENCE TO GEOTECHNICAL REPORT BSK NO. G25001389



See pages 32 to 39 for un-factored reactions.

C. HOT-ROLLED STEEL:

- Tube Frames shall be manufactured from A500 in-line galvanized steel with the following properties:
 - a. Yield strength: 50,000 psi (rectangular); 55,000 psi (round)
 - b. Tensile Strength: 55,000 psi (rectangular); 60,000 psi (round)
 - c. The in-line galvanized steel tube meet the ASTM A-1057A & ASTM A1057M - 08 Standard Specification for in-line galvanized coating.

D. FOUNDATION DESIGN:

- Concrete pad/foundation design/check to support the truss reactions/loads was not included in the scope of services.
- Any foundations shown on the drawings, are approximate and need to be verified/checked based on the local site conditions and local soil properties by a licensed Engineer hired by the Contractor/Builder or Owner of this shelter. It is Tesla's responsibility to confirm that Big Top's interpretation and shelter design meet these requirements.

 BIG TOP MANUFACTURING LLC 3255 US HWY 19 NORTH PERRY, FL 32347 PH: (850) 584 - 7786	PROJECT: PRODUCTION TEMP. STR. SIZE: 100 X 230 X 35 LOCATION: FREMONT, CA DRAWN BY: THOMAS H. CHECKED BY: HUNTER A. 11/12/2025 CUSTOMER NAME: CHARLES C. MARTO	NOTES: REVISION: F25-0065 PROJECT: 30' FOUR-CHORD UNIT: ID FT	11-13-25 	ENGINEERING NO: S-0 *ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING LLC
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