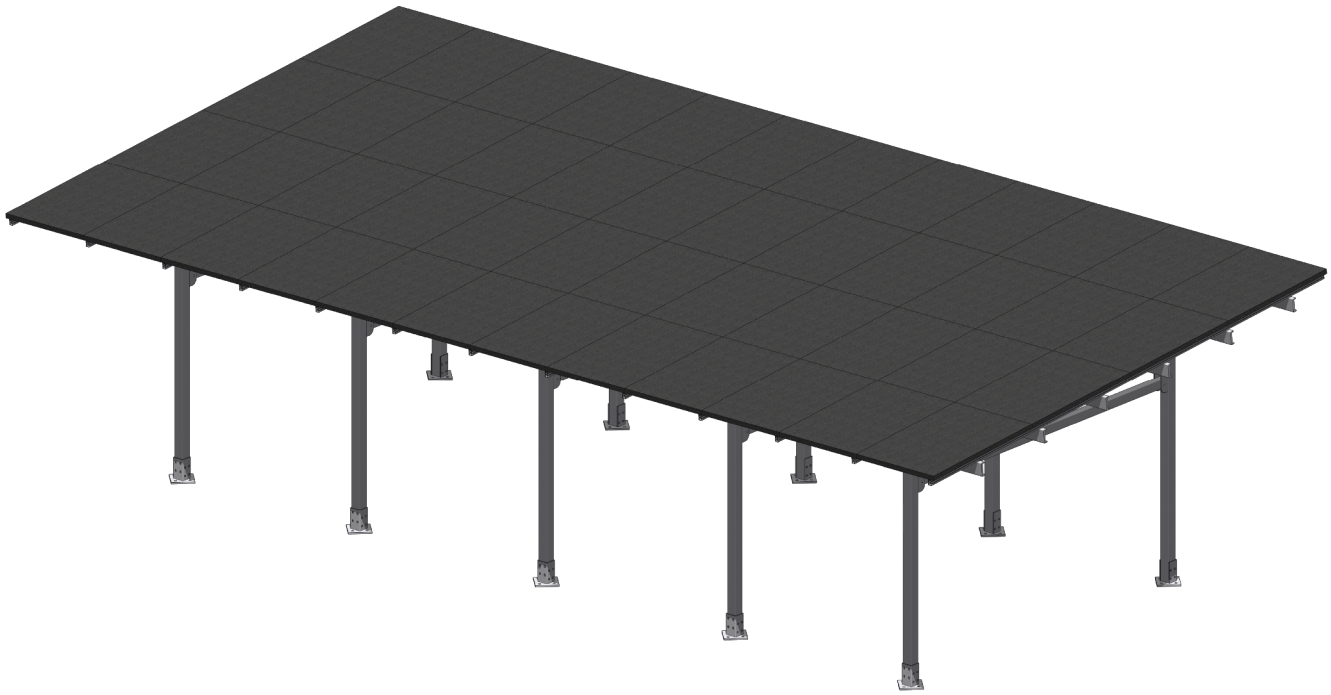
CHIKOUSA

CK- | STEEL SOLAR CARPORT | GAZEBO



MAXIMO-185 (4-CAR)
STEEL SOLAR CARPORT | GAZEBO
INSTALLATION MANUAL

VERSION: 02.30.26 | ENG

CHIKOUSA

WARNING

Photovoltaic Hazard Control & Structural Building Safety

(To Reduce Risk of Injury-Read and Follow All Instructions)

The installation of solar electric panels should only be performed by trained and qualified personnel. Unauthorized persons and children should not be allowed near the solar electric installation. Follow all permit, installation, and inspection requirements to include all applicable local, regional, and national electrical codes. Follow the safety precautions of all other system components.

Structural installation shall comply with all relevant local government standards, manufacturer's instructions and specification and safe building practices.

Follow the risk management process prior to commencing work- including identifying all potential hazards and assessed risks while eliminating or mitigating them from the jobsite.

Consult with all approved competent parties who will be involved in working on the jobsite. Develop safe working procedures for installing the structure and the solar panels using information obtained during the risk management process.

Wear all required Personal Protective Equipment during every phase of construction.

Always use equipment/tools/machinery safely and properly. Components are designed for "single use only", i.e. not for multiple construct and deconstruct projects.

Maintenance can only be performed by qualified personnel

- Any loose components or fasteners shall be re-tightened in accordance with these instructions
- Any components showing signs of damage shall be replaced immediately

Always use the most recent version of the installation manual before installing your Carport/Gazebo. The installation Manual is subject to change without notice. Please consult with CHIKOUSA to ensure you are utilizing the latest Install Manual.

BRIEF DESCRIPTION

The CHIKOUSA Steel Carport/Gazebo is a robust solar carport that can accommodate a wide range of panel sizes, with a max (North/South or Up/Down) span of 270”. This structure can be installed with a 2-3 person crew, without the need of any heavy duty tools. The Installation should always be completed by trained professional and/or qualified individuals, who have been adequately instructed and trained about the tasks involved with the installation, including the usage of protective devices, protective measures, relevant provisions, safety regulations and local operating site conditions and have proven competence in all areas of the installation.

Please read carefully this installation manual and all other applicable documents before starting your installation. Please contact CHIKOUSA with any questions that you may have.

MAINTENANCE

1. When signs of rust appear, or when the paint is peeled or removed, you must take steps to remove the rust and paint the affected areas.
2. You must check the bolts once a year ensuring all connections are secure, and after any major storm or weather occurrence. Tighten all bolts according to torque specs.
3. If the columns of the structure are hit, you must replace the columns of the structure immediately.

WARNING

If any structural component of the system to include the column, beam, base plate, or rail are damaged they must be replaced immediately.

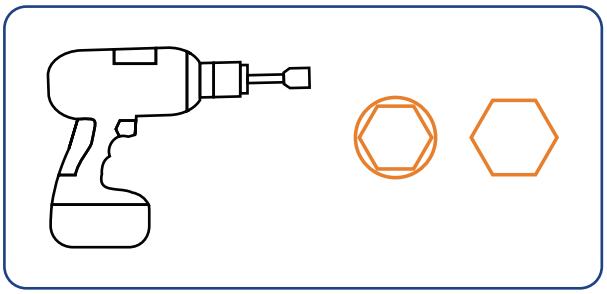
FOOTER WARNING

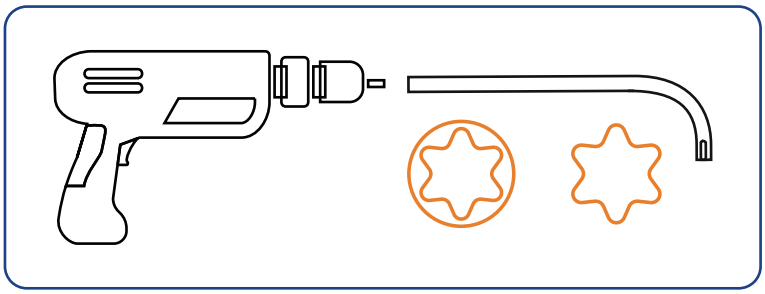
Anyone who plans to dig should call 811 or visit their state’s 811 center’s website a few business days before digging to request that the approximate location of buried utilities be marked with paint or flags so that you don’t unintentionally dig into an underground utility line.

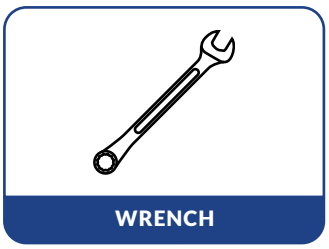
MEASUREMENT NOTE

Some measurements have been converted from MM to Inches. The accuracy of measurement can vary slightly from mm to inches. Some measurements are available in MM for detailed accuracy. The most critical measurement required is the Base Plate placement location. Please review the Construction Drawings for the Base Plate and Base Plate locations prior to installation.

REQUIRED INSTALLATION TOOLS



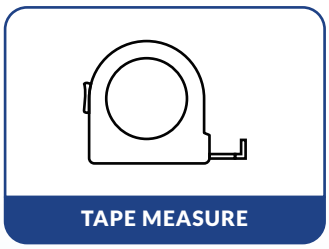




WRENCH

GLOVES

CHALK LINE



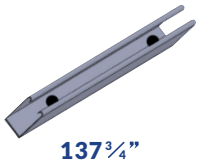
TAPE MEASURE

RUBBER MALLET

HARDHAT

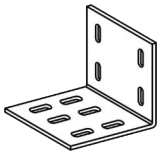
SAFETY GLASSES

MAIN COMPONENTS

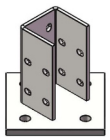


137¾”

U RAIL



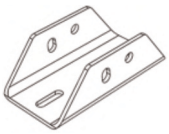
C-CHANNEL FIX KIT



BASE PLATE

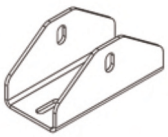
7 ⅞”

U-RAIL SPLICE



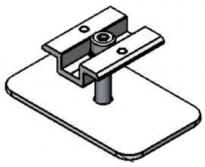
10 3⁄16”

TOP COLUMN ADAPTER

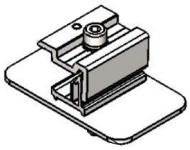


10 3⁄16”

DIAGONAL BRACE ADAPTER



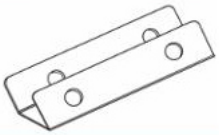
MID-CLAMP



END-CLAMP

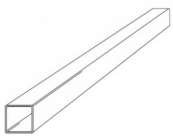
RUBBER GASKET

RUBBER STRIPPING



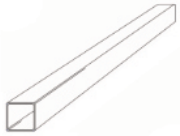
16 ½”

LOW BEAM/DIAGONAL BRACE ADAPTER



111”

FRONT COLUMN

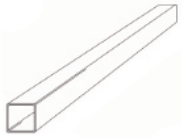


126 ½”

REAR COLUMN

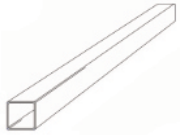
224 7⁄16”

L-ANGLE SUPPORT



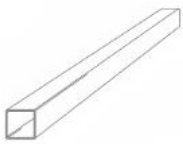
228 5⁄16”

TOP SUPPORT BEAM



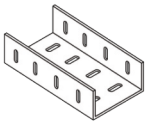
168 1/16”

LOWER HORIZONTAL BEAM



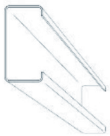
47 ¼”

DIAGONAL BRACE



11 13⁄16”

C-CHANNEL SPLICE



208 11/16”, 202 ¾”, 141 7/16”

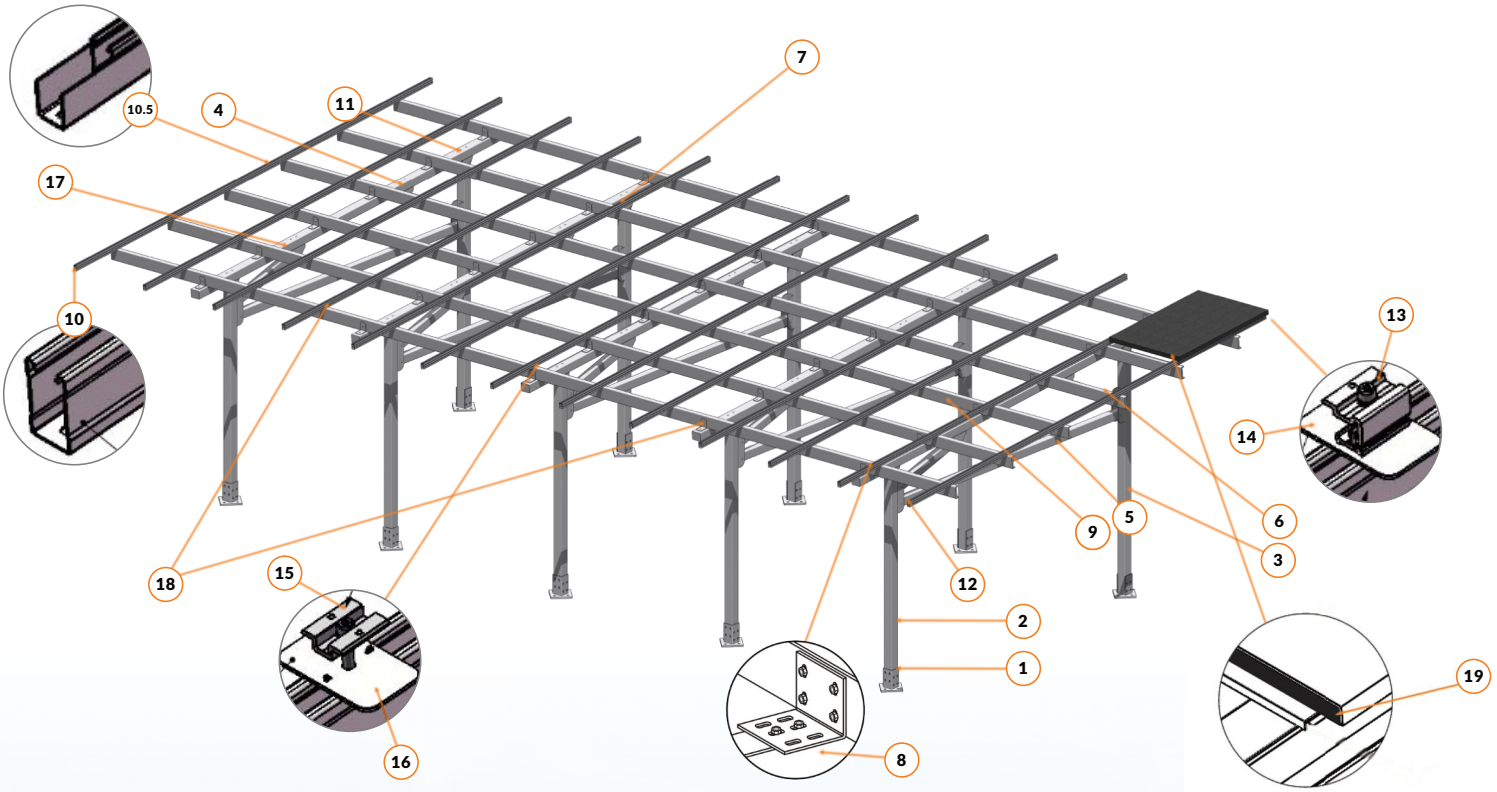
C-CHANNEL

NOTE Customer needs to source materials for footings based on structural engineer specifications.

MAIN COMPONENTS

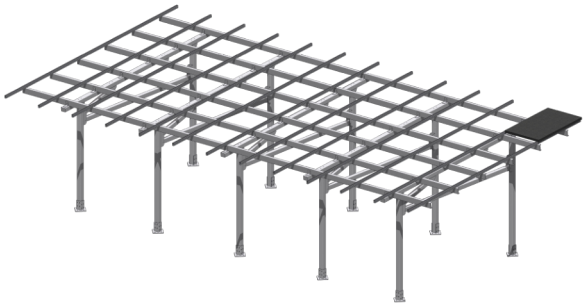
Overview

The following is a diagram that lists the main components of the CK- Carport System.



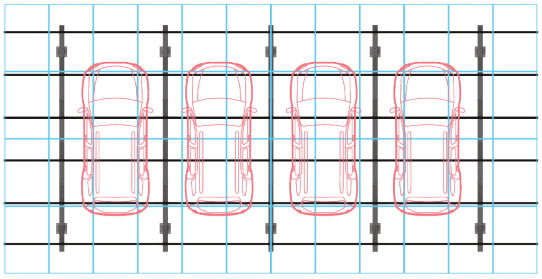
No	Description	QTY
1	Base Plate	10
2	Front Column 111”	5
3	Rear Column 126 1/2”	5
4	Top Support Beam 228 5/16”	5
5	Lower Horizontal Beam 168 1/16”	5
6	Diagonal Brace 47 1/4”	10
7	L-Angle Support 224 7/16”	4
8	C Channel Fix Kit	30
9	C-Channel 208 11/16”	6
	C-Channel 141 7/16”	
	C-Channel 202 3/4”	
10	U-Rail 137 3/4”	26

No	Description	QTY
10.5	U-Rail Splice	13
11	Top Column Adapter 10 3/16”	10
12	Low Beam & Diagonal Brace Adapter 16 1/2”	10
13	End Clamp	24
14	End Clamp Share Plate	24
15	Mid Clamp	132
16	Mid Clamp Share Plate	132
17	Diagonal Brace Adapter 10 3/16”	10
18	C-Channel Splice	12
19	Rubber Stripping	
20	Rubber Gasket	

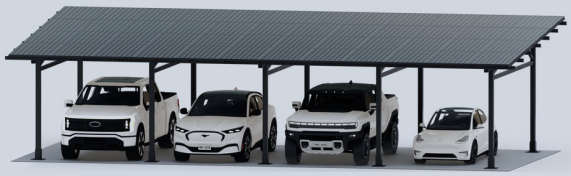


FRONT VIEW

SIDE VIEW

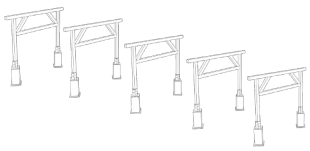
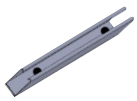
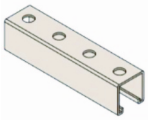
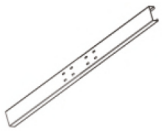


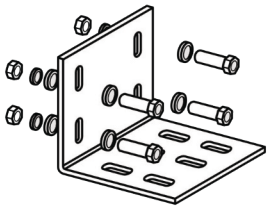
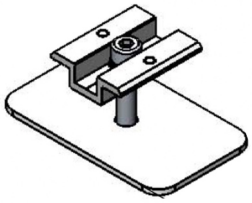
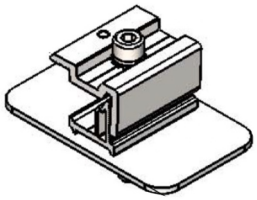
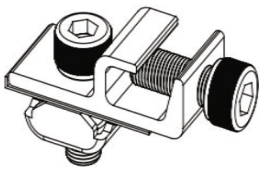
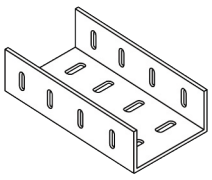
OVERHEAD VIEW



36 OR 48 SOLAR PANLES

COMPONENTS LIST

CAT	Picture	Description Part	Details	QTY
1		Carport Support Structure CK-ZEM-CP3-5 COLUMNS CK-001-016-014 BEAMS GT-001-016-014 Base 'Plate' CK-GT-001-016-805 GT-001-016-805 Column/Beam Adapters Beam CK-GT-001-016-014 Column CK-001-016-014	Front Columns	5
			Rear Columns	5
			Base Plate	10
			Top Support Beam	5
			Top Column Adapter	10
			Lower Horizontal Beam	5
			Diagonal Brace	10
			Low Beam & Diagonal Brace Adapter	10
			HDG Bolt M16*180	200
			HDG Nut M16	260
			HDG Washer M16	260
			HDG Spring Washer M16	260
2		U Rail CK-ZEM-U72-2.5-3500	U Rail 137 3/4”	26
			M-10 30 Nut & Bolt Set	78
3		U Rail Splice CK-009-1062	U Rail Splice	13
			M10*30 Nut & Bolt Set	52
4		Water Prooof Strip CK-IP-160-1133	Water Proof Rubber	
5		'C' Channel CK-PL-C140-001-016-6000	C-Channel 208 11/16”	6
			C-Channel 141 7/16”	6
			C-Channel 202 3/4”	6
6		Rubber Gasket CK-WG-083-7250	Rubber Gasket	

CAT	Picture	Description Part	Details	QTY
7		L Angle Support	224 3/8"	4
8		C Channel Fix Kit CK-PL-GT001-016-14	C Channel Fix Kit	30
			HDG Bolt M10*35	120
			HDG Bolt M16*180	120
			HDG Nut M10	120
			HDG Nut M16	120
			HDG Washer M10	240
			HDG Washer M16	240
			HDG Spring Washer M10	120
			HDG Spring Washer M16	120
9		Mid Clamp Mid Clamp Share Plate	Mid Clamp	132
			845 Share Plate	132
			Grounding Plate	132
			Self Tapping Screw	132
			SS304 Bolt M8*45	132
			SS304 Spring Washer M8	132
10		End Clamp End Clamp Share Plate	End Clamp	24
			845 Share Plate	24
			Grounding Plate	24
			Self Tapping Screw	24
			SS304 Bolt M8*45	24
			SS304 Spring Washer M8	24
11		Grounding Lug CK-GTC-R2	Grounding lug - weeb lug 8.0	6
			SS304 outer hex bolt 1/4" *0.6"	6
			SS304 inner hex bolt M8*20	6
			SS304 inner hex bolt M8*20	6
12		C Channel Splice	M10*35 Bolts	192
			M10 Flat Washer	384
			M10 Spring Washer	192
			M10 Hexagon Nut	192
			C-Channel Splice	12

INSTALLATION STEPS

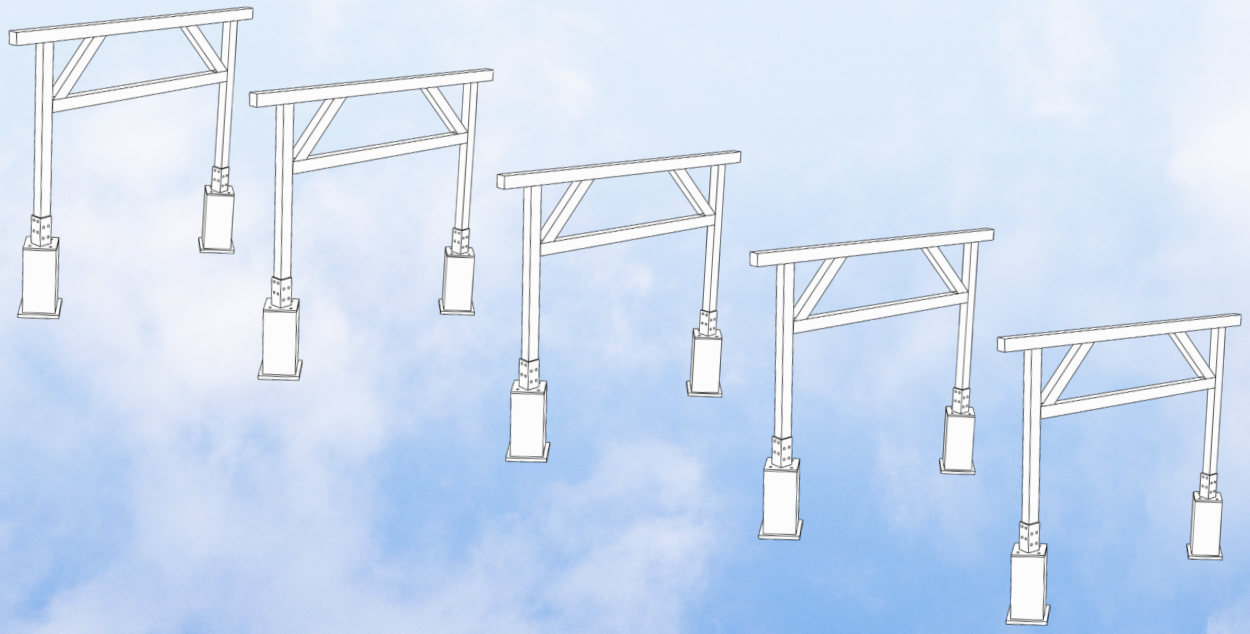
1. Build Base

Solution A, Build base

- ✓ Mark footer location according to the diagram. Verify all angles are square (See Attached Planset).
- ✓ Dig footers and make base with anchor bolts according to site conditions and system specifications and based on your structural engineer instructions for foundations requirements.
- ✓ If the ground is unlevel, ensure that all footer placements are level and at the same height regardless of the terrain elevation. Never install the structure tilted, the columns must always be straight.
- ✓ The structure's foundations should be calculated taking into account site conditions, soil type, seismic conditions, maximum wind and snow loads for the site location and the product mechanical loading specifications. In some cases, a geotechnical study is required. Please consult with your local structural engineer.
- ✓ In areas subject to freezing, footer depths may have to increase to resist freeze heave. Always consult a structural engineer to confirm footer depth and dimension.

Solution B, Concrete anchors

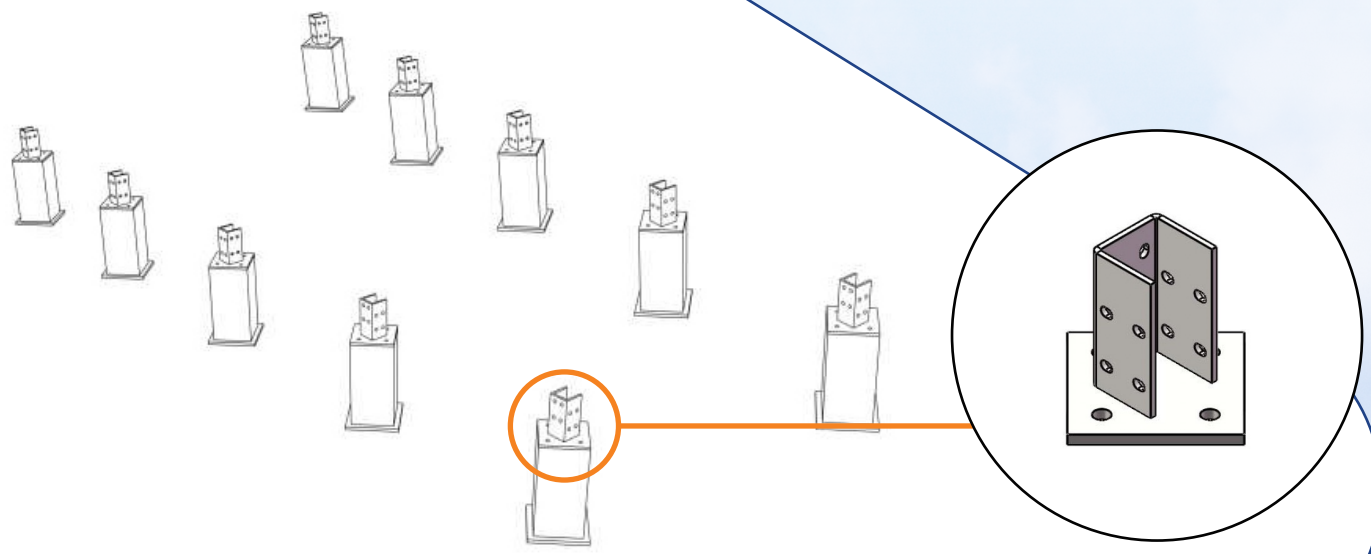
- ✓ Concrete anchors can be utilized if approved by a structural engineer.



2. Install Base Plates

- ✓ Slide the column base plate over the concrete anchors and secure them. If you are using leveling nuts to level the column base plate. Correct any shifting if needed and repeat for the other three column base plates. Fill the gap between the base plate and the footing with Dry-pack non-shrink grout.
- ✓ Verify the distance between the front and rear column conform with the attached planset.

Products Name	Quantity
Base	10

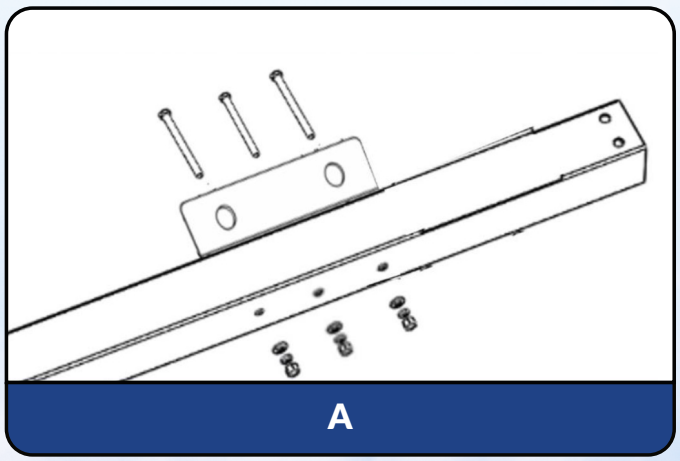


3. Fix Adapter

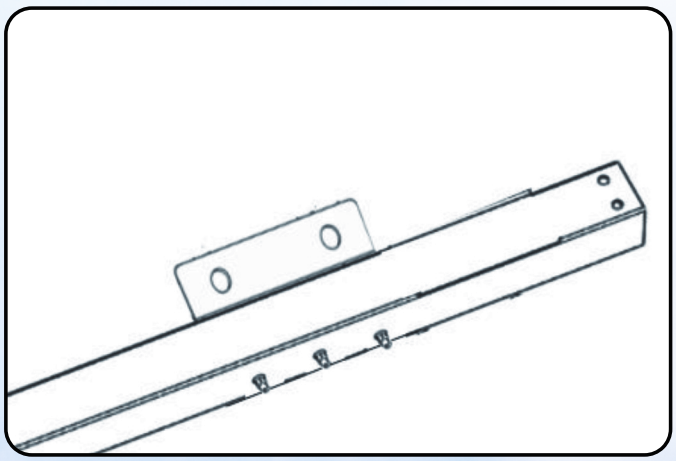
- ✓ A . Fix Low Beam/Diagonal Brace Adapter to Front & Rear Columns
- ✓ B1. Attach C-Channel Fix Kit to Support Beam
- ✓ B2. Attach Top Column Adapter to Support Beam

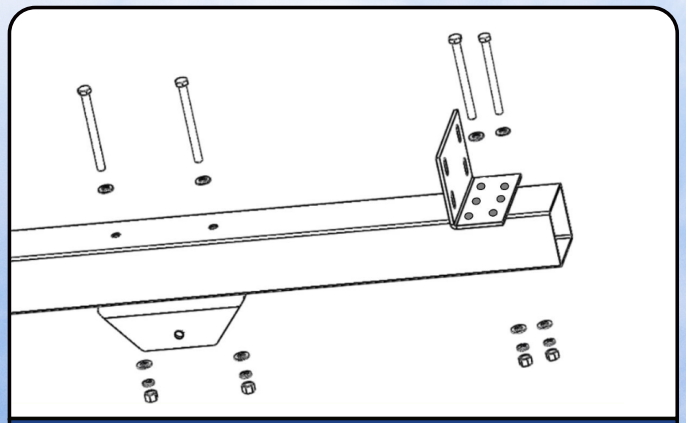
Front Column: 111”
Rear Column: 126 1/2”
Low Beam/Diagonal Brace Adapter: 16 ½”
Top Column Adapter: 10 3/16
Support Beams: 228 5/16

Products Name	Quantity
Top Column Adapter	10
M16*180mm Bolt Kits (1 Big Flat Washer +1 Spring Washer + 1 Nut)	80
Lower Horizontal Beam/Diagonal Brace Adapter	10
C-Channel Fix Kit	30

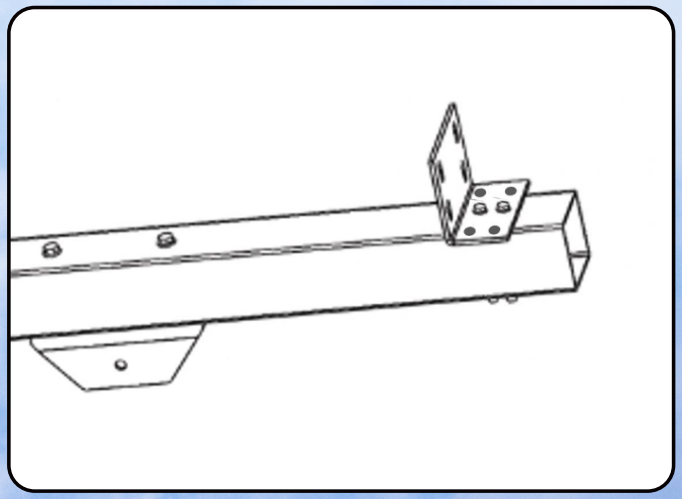


A

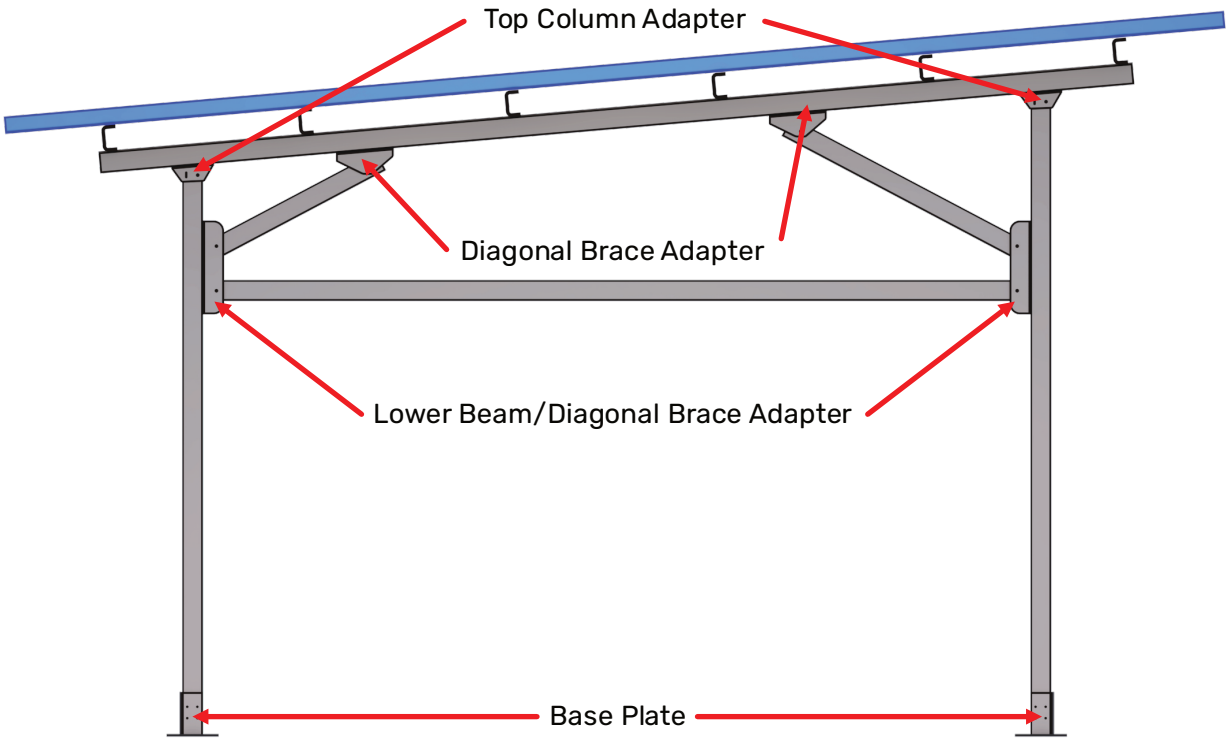




B1 & B2



Adapter Placement Diagram

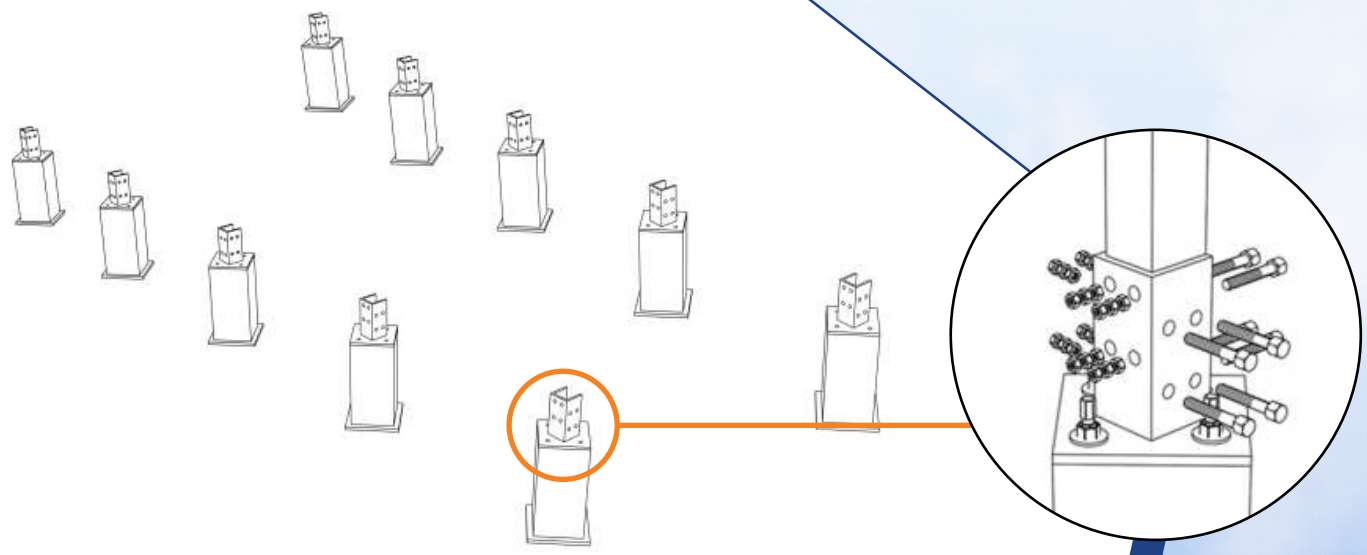


Please Note: The Top Column adapter has an oval and a round shaped hole. The oval should be facing closest to the low side of the structure on both the front and rear column.

4. Connect Columns

✓ Attach Columns to base plate

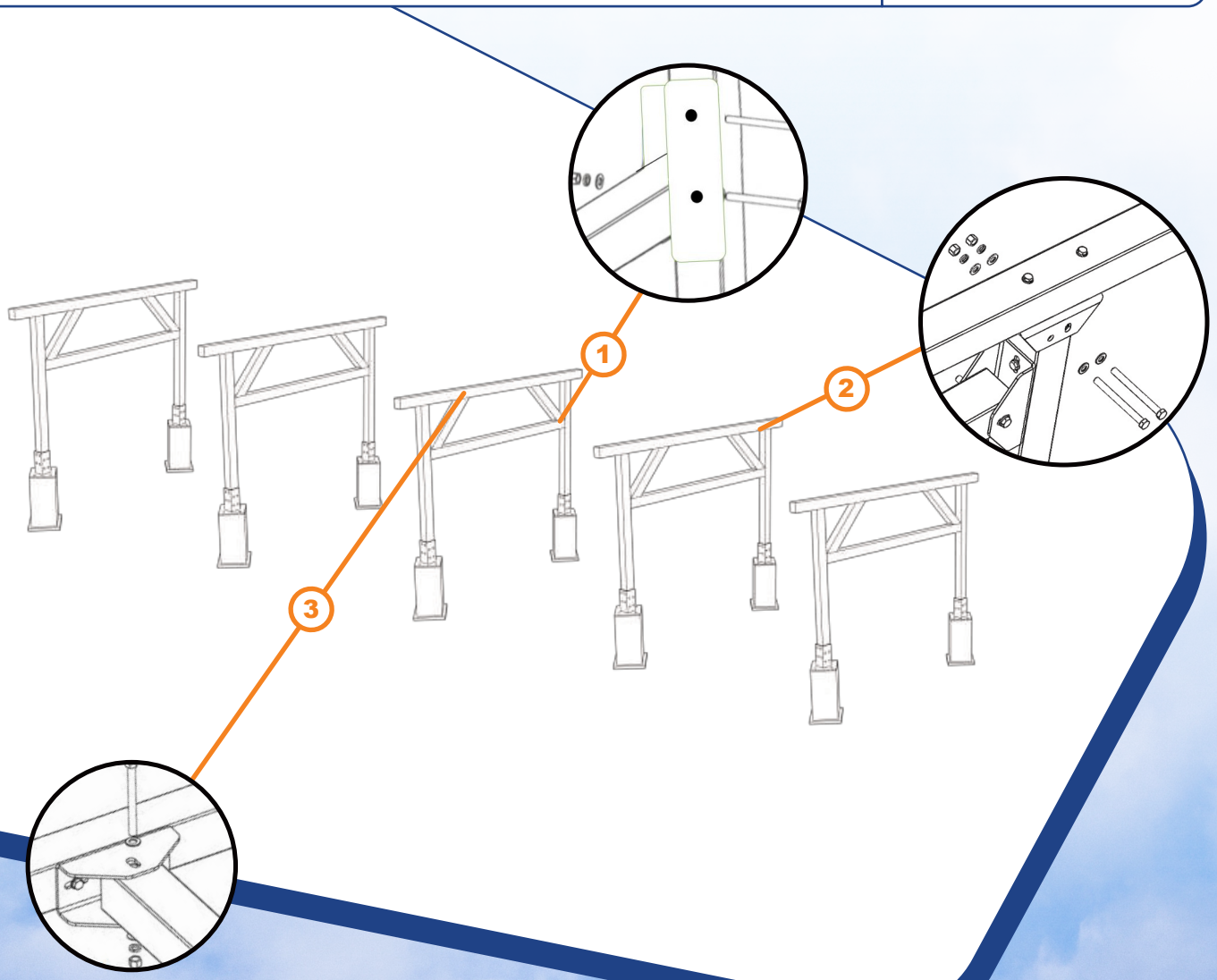
Products Name	Quantity
Front Columns --- 111”	5
Rear Columns --- 126 ½”	5
M16 *180mm Bolt Kits (1 flat washer + 1 spring washer + 1 nut)	40



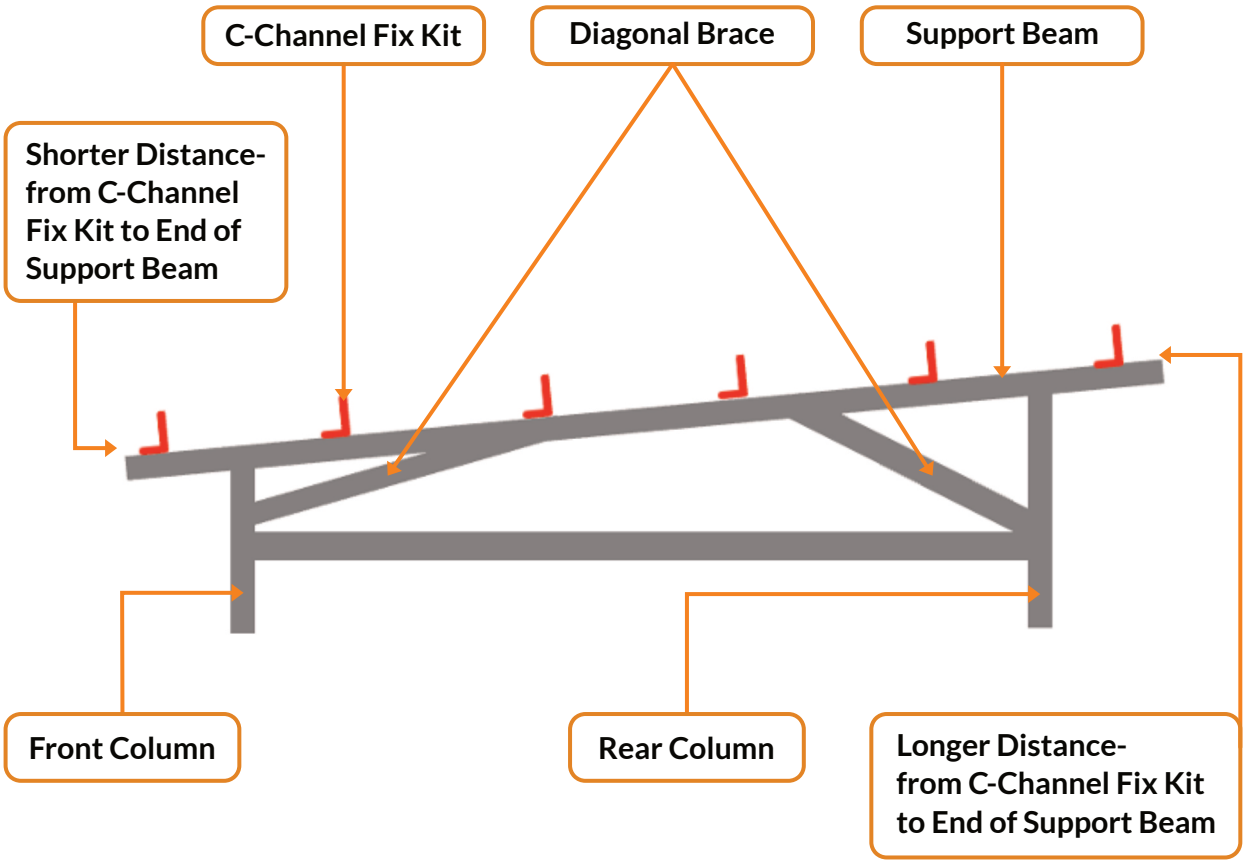
5. Connect Beams

- ✓ Connect Lower Horizontal Beam to front and rear Columns
- ✓ Connect Support Beam between front and rear columns on top
- ✓ Connect Diagonal Brace between Support Beam and Column

Products Name	Quantity
Lower Horizontal Beam 168 1/16"	5
Top Support Beam 228 5/16"	5
Diagonal Brace 47 3/16"	10



5. Connect Beams (Continued)



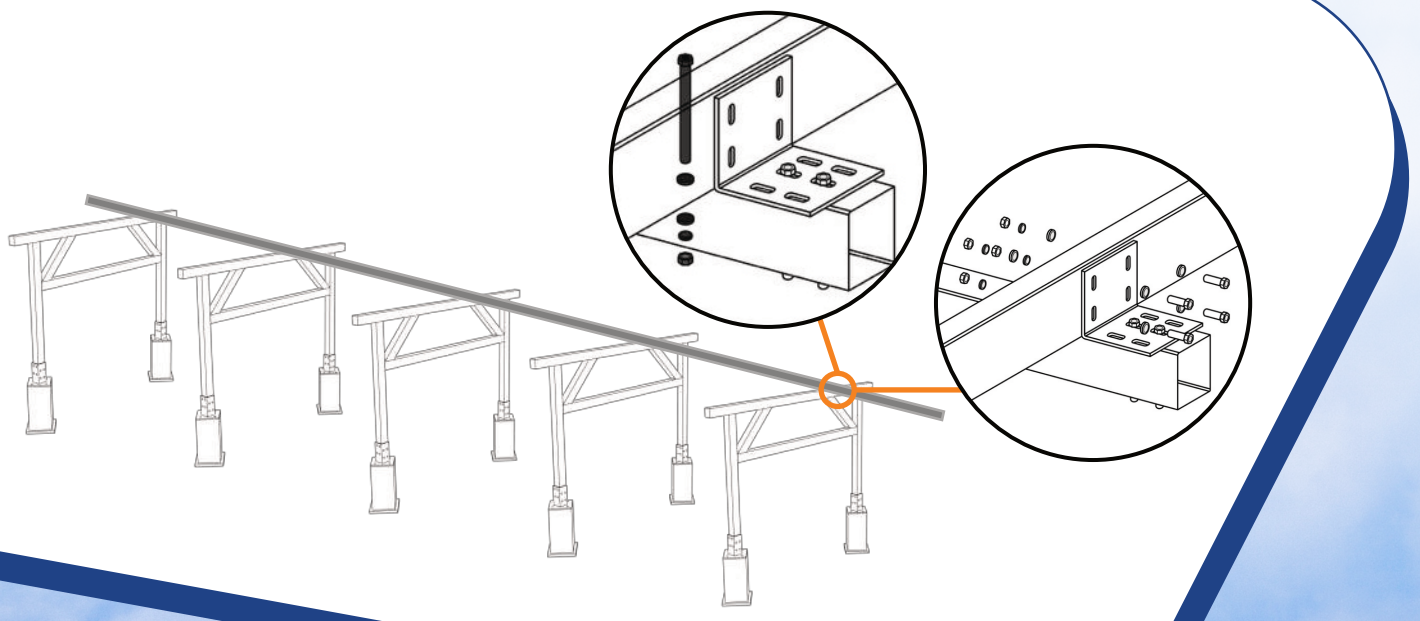
When connecting the Support Beam to the front and rear columns ensure the orientation matches the above image. The low side of the Support Beam will have a much shorter distance from the C-Channel Fix kit to the end of the Support Beam whereas the high side will have a greater distance from the end of the Support Beam to the C-Channel Fix Kit.

6. Fix C Rail

- Combine C-Channels with C-Channel Splice Kits
- Use C-Channel Fix Kit to connect C-channels to Top Support Beam
- Use M10*16mm Bolt Kits (1 flat washer + 1 Spring Washer + 1 Nut)
- Use M10*25mm Bolt Kits (1 flat washer + 1 Spring Washer + 1 Nut)

Products Name	Quantity
C-Channel --- 208 11/16"	6
C-Channel --- 141 7/16"	6
C-Channel --- 202 3/4"	6
C-Channel Fix Kit	30
C-Channel Splice Kit	12
M10*35mm Bolt Kits (1 flat washer + 1 spring washer + 1 nut)	120
M16 180mm Bolt Kits (1 flat washer + 1 spring washer + 1 nut)	120

*When spliced, total length of C-Channels is 5561 1/8"

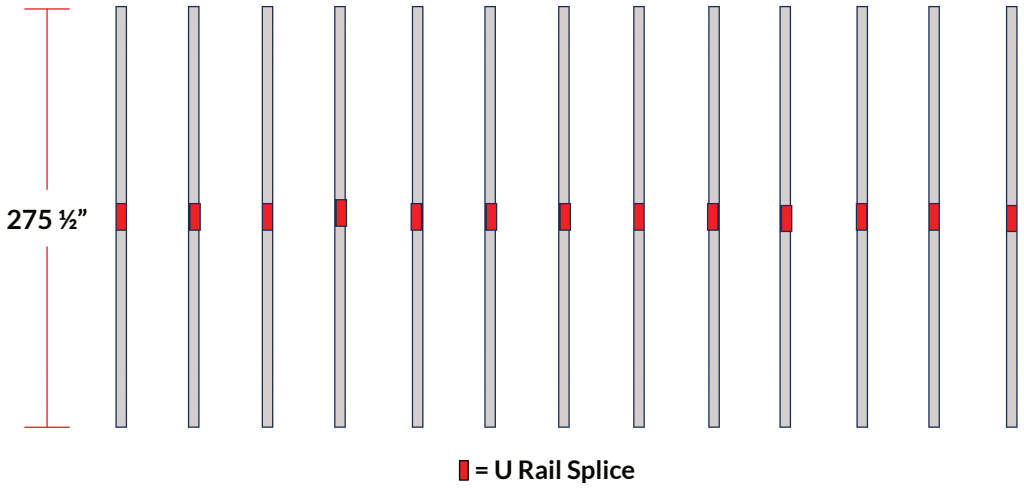


7. U-Rail Construction

1. Connect 2 U-Rails using the U-Rail Splice. The U-Rail will have pre-drilled holes at the ends of the U Rails where the splice connects using Hex Bolt M10*30 Once the U-Rails are connected the rail count will be 13qty. The U-Rail will also have 6 existing holes that will line up with the top of the C-Channels.

Products Name	Quantity
U-Rails 137 ¾”	26
U-Rail Splice Kits	13
Mid Clamps	132
End Clamps	24
M10*30 Bolt Kits	130

U-Rail Layout

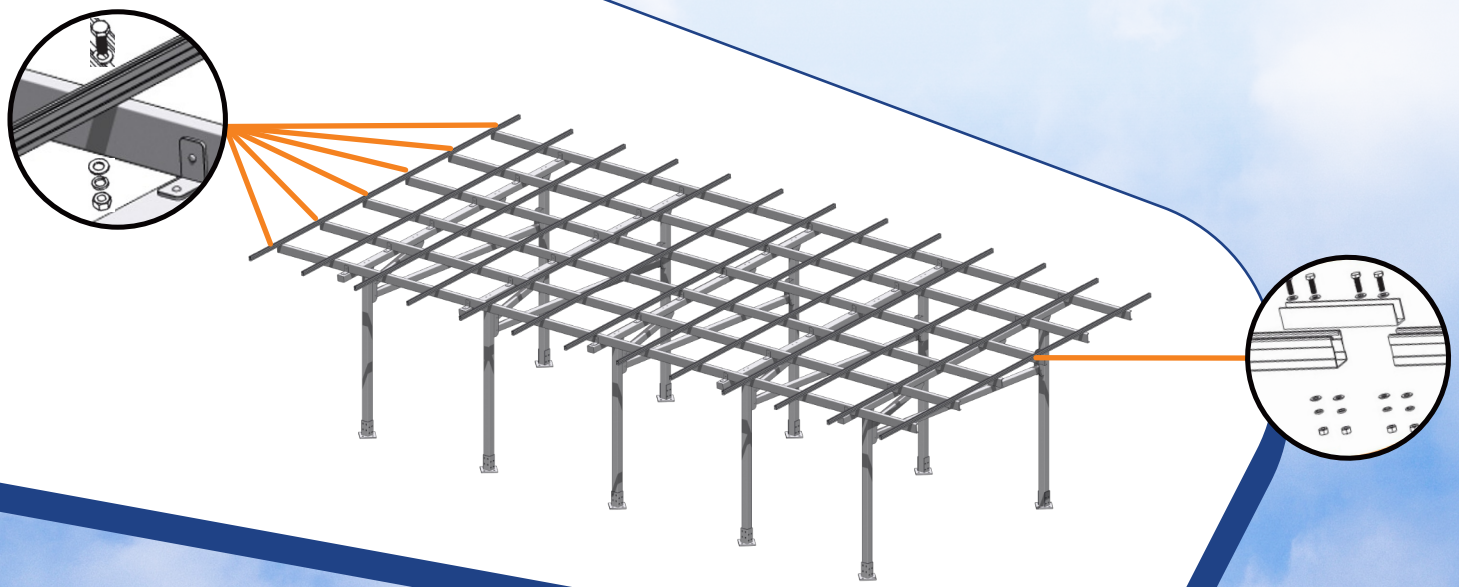


8. Fix U Rail

1. Determine your 1st U-Rail attachment location on top of the C-Channels by utilizing the attached Math Module Placement Guide (you can start at either end) Your module width will determine your U-Rail attachment location. Once you determine the starting point for the 1st U-Rail ensure the starting distance is equal on the top C-Channel And the bottom C-Channel. You can mark all holes and drill C-Channel connection points.
2. Once your 1st U-Rail is secure, place end clamps into this U-rail.
3. Place a second U-rail on top of the C-channels with Mid-Clamps installed. Do not secure 2nd U-rail to C-channels until you verify the mounting distance between U-Rails is correct. Verify mounting distance Between U-Rails by mounting one module and ensuring proper spacing between of U-rails.
   The module should fit tight and should be square. Once verified attach 2nd U-Rail to C-channels using 6 Hex Bolts M10*30.
4. Install the remaining 11 U-rails connected and spliced U-Rails on top of C-Channels using 6 Hex Bolts M10*30 for each U-Rail.
5. Place all modules on top of U-Channels tightening end and mid clamps to provided torque specs.

Please Review Math Calculation in Appendix

Products Name	Quantity
U Rails 137 ¾”	26
M10*30	72

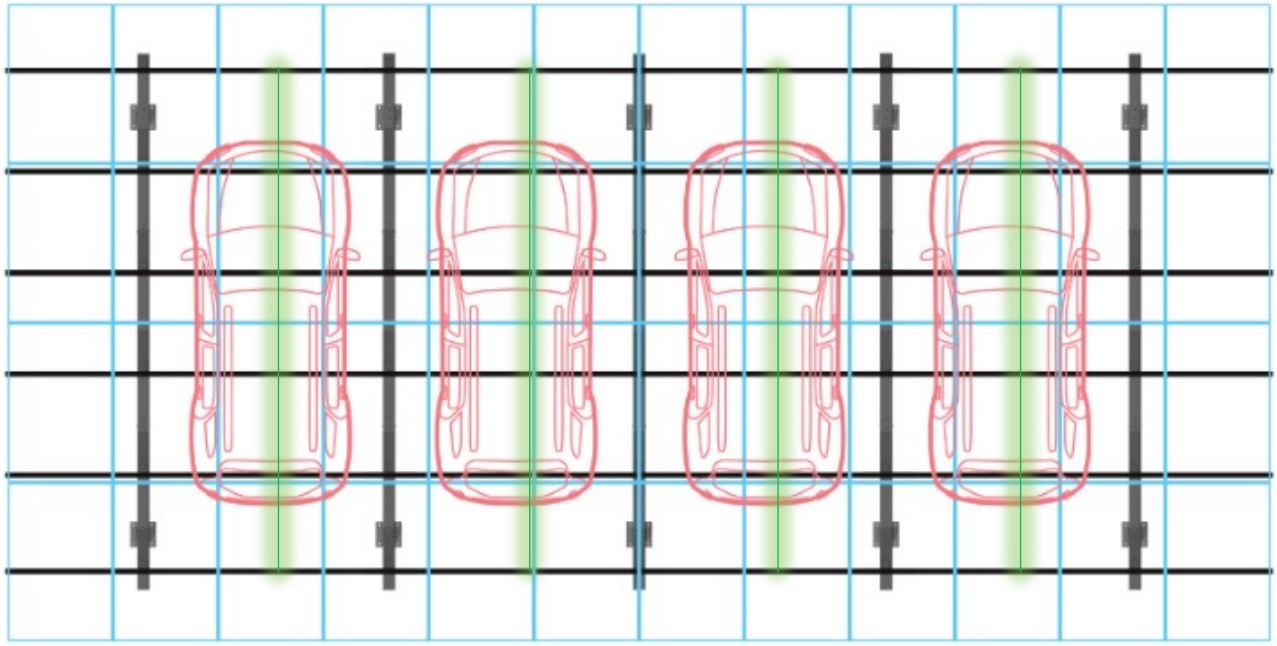


9. Install L-Angle Supports

L-Angle supports provide continuous stability and reduce any twisting or settling that may occur within the C-channel system. The L-Angle supports are attached to the bottom-center of the C-Channels using M8 screws. Each L-angle support will be attached with 6-qty M8 screws at 6 separate contact points on six separate C channels. The L-Angle support will run Perpendicular to the C-Channels and parallel to the Top Support Beam. The L-Angle supports will be installed in the center of each car bay (See Diagram Below).

Products Name	Quantity
L-Angle Support 224 7/16"	4
M8 Screws	24

L-Angle Support Installation Locations



= L-Angle Support

10. Install Solar Panels (With or Without Waterproofing)

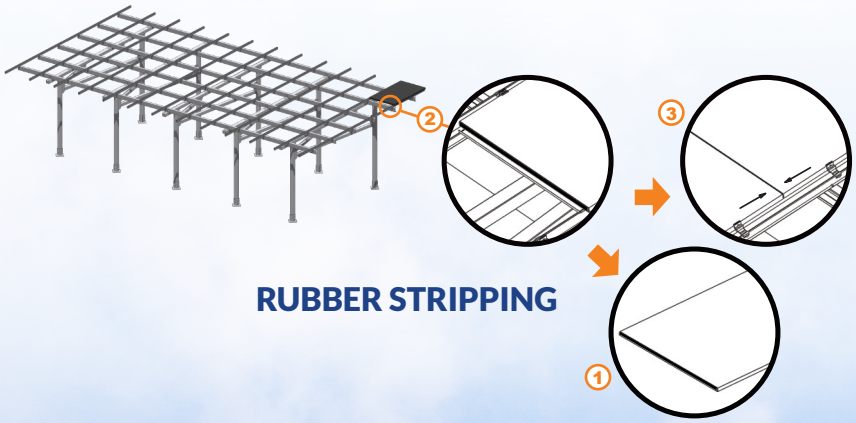
NOTE: The peal and stick rubber stripping is different than the Rubber Panel Gasket, the Rubber Panel Gasket is much bigger and thicker.

For Installation Without Waterproofing - Select a start point at one of the four corners, tightening the end clamps only to hold the module in place. Install one complete column of 3 or 4 modules (depending on your array size). Now install adjacent column by tightening the adjoining Mid clamps. Repeat this same process until all modules are installed. (Note: Tighten all end and mid clamps to torque specs.)

For Installation With Water Proofing - If using the rubber stripping for waterproofing, measure the width of the panel and cut the stripping to fit on the short side of the panel. Once cut, peel the paper off of the rubber stripping exposing the sticky adhesive. Place the sticky adhesive on the short side of the selected panels. Use 1 strip per seam or joint where 2 panels meet on the short sides of the panels. Do not apply more than one rubber strip per seam (every 2 panels gets 1 seam). Panels will share 1 rubber strip at locations where panels meet.

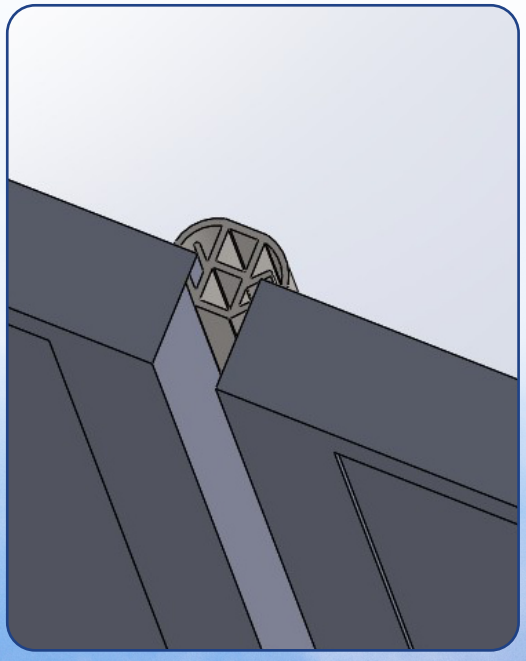
Once the Rubber Strip is attached, start the panel installation by placing one panel on top of the U-Rails, at one of four carport corners and tighten the end clamps. Repeat rubber stripping installation process for next panel. The next panel installed will be placed above or below the 1st panel installed depending on where you started, also only tighten the end clamp. Complete one column of panels 3 or 4 high, only tightening the end clamps. Once you have one column complete begin the next column installation with the column adjacent to the first column installed. Once the adjacent panels are placed next to the first column, tighten the mid clamps associated with the two columns.

Once 2 columns of panels are installed and mid clamps are all tightened to torque specs install the Rubber Panel Gasket in the seam that runs parallel to the U-Rails. Measure and Cut the Rubber Panel Gasket in order to accommodate for the Mid Clamp locations. Once measured and cut push the Rubber Panel Gasket down between the panel gap. Complete this process for all of the open gaps between panels. Ensure installation of Rubber Panel Gasket occurs after every interior column is installed to allow for physical access to the open gaps between panels that is to be covered by the Rubber Panel Gasket. The Rubber Panel Gasket will only be installed on the interior gaps that are running parallel with the U-Rails, on top of adjoining panels. Gently push the Rubber Panel Gasket down between panels until the top of the Rubber Panel Gasket is seated on top of the panels. There should be no gap between the bottom sides of the Rubber Panel Gasket and the top section of the panel frames.



RUBBER STRIPPING

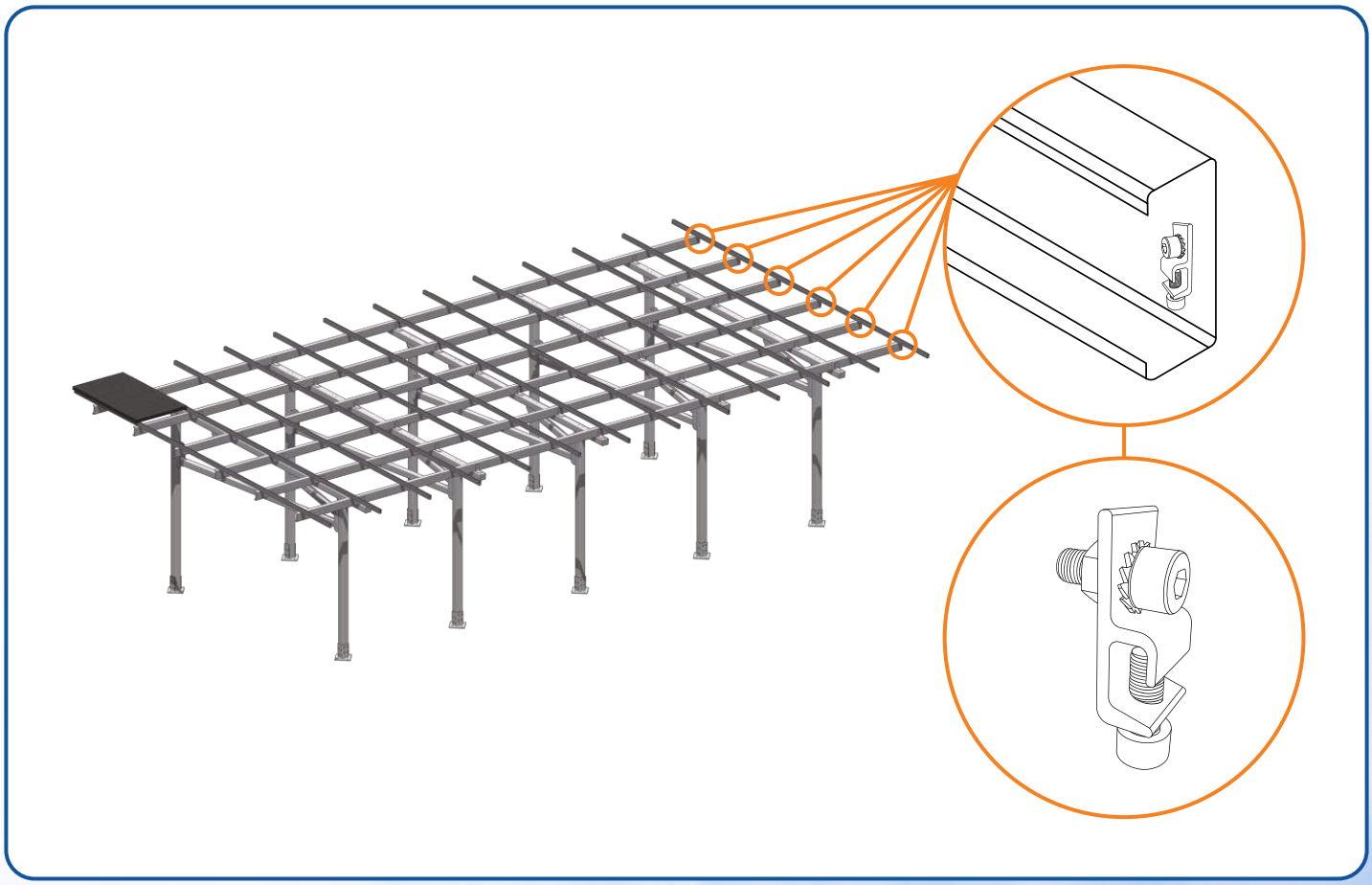
Products Name	Quantity
Modules	36 or 48
Rubber Stripping	1 Roll
Rubber Panel Gasket	1 Roll



RUBBER GASKET

11. Grounding- Lug and Wiring

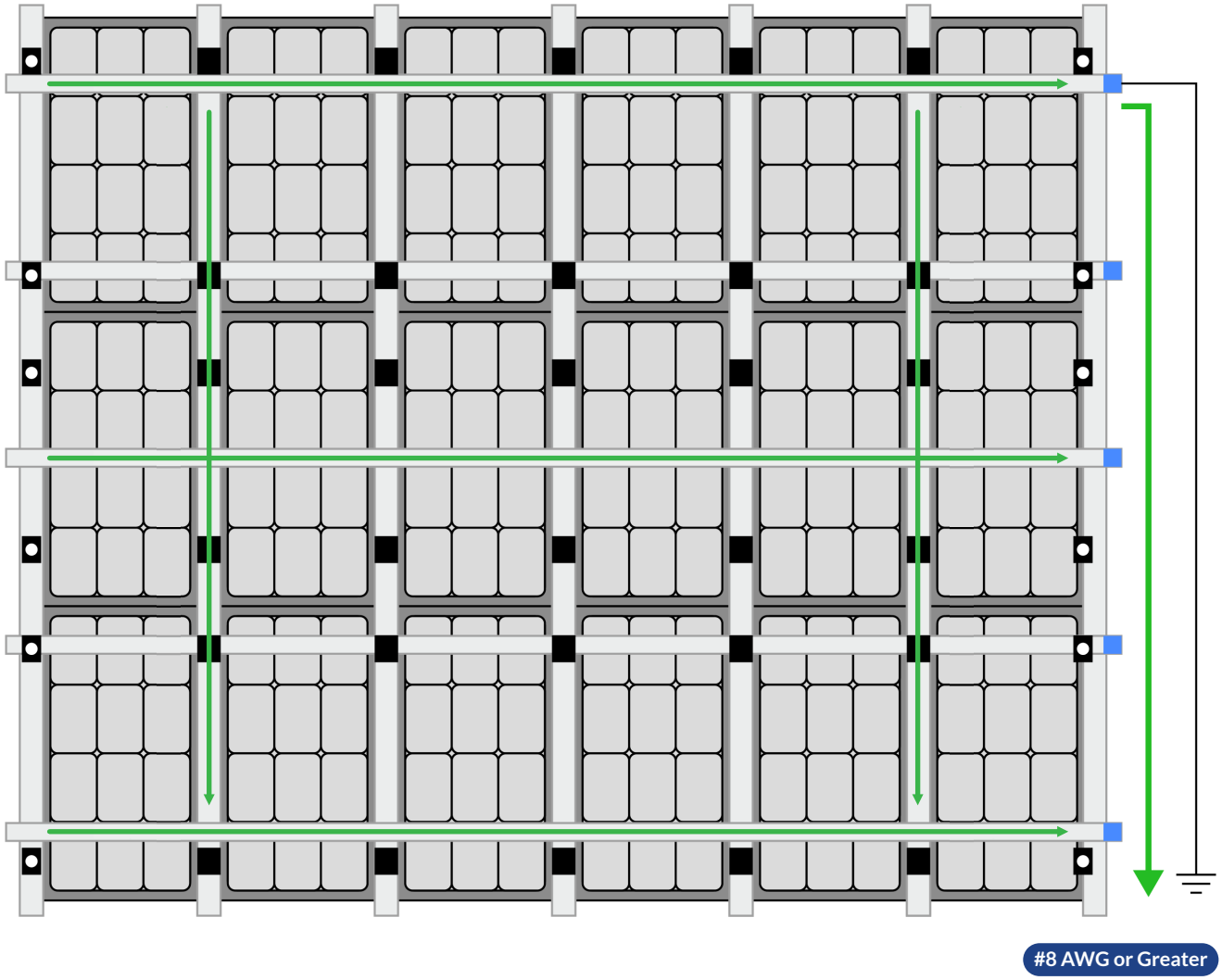
Install grounding lug at end of C-Channel on side of array that is most optimal for wire management. Ensure that all paint and any debris is removed from bonding site to achieve proper bonding connection. Attach each ground lug with a stainless steel nut then cross 8.4mm2 or greater than or equal to 8AWG copper wire through all 6 grounding lugs (fixed by M8*20 inner hex bolt), finally connect copper wire to the ground. The grounding lug completes a grounding function when fastened tight to connect all 6 C-Channels and copper wire.



Electrical Characteristics of AWG Copper Wire

AWG	Diameter [inches]	Diameter [mm]	Resistance [Ohm / 1000ft.]	Resistance [Ohm / km]	Max Current [Amperes]	Max Frequency for 100% skin depth
6	0.162	4.1148	0.3951	1.295928	37	1100 Hz
7	0.1443	3.66522	0.4982	1.634096	30	1300 Hz
8	0.1285	3.2639	0.6282	2.060496	24	1650 Hz
9	0.1144	2.90576	0.7921	2.598088	19	2050 Hz
10	0.1019	2.58826	0.9989	3.276392	15	2600 Hz

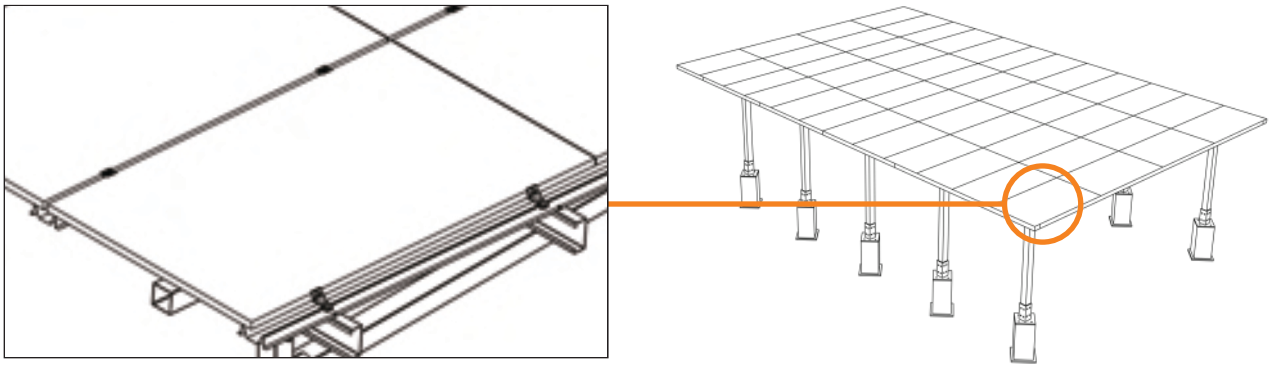
Grounding – Lug and Wiring Diagram



Grounded End Clamp | Grounded Mid Clamp | Ground Path | Grounding Lug

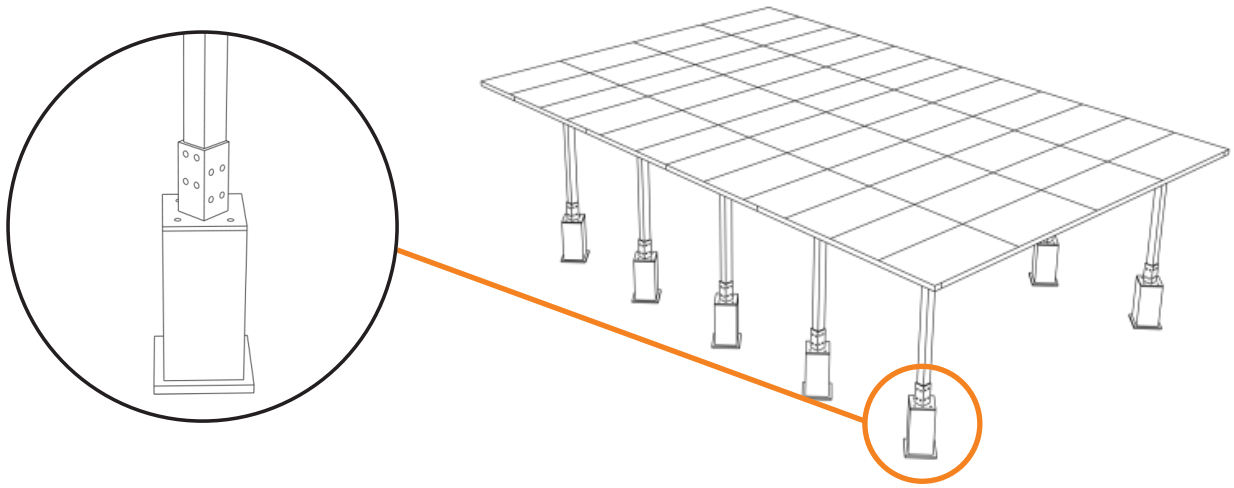
12. Final Check

- Check and verify that all components are properly fastened and installed properly in their correct positions and locations.
- Verify and re-adjust all components as needed within the structure.



13. Hide Footing (Optional)

- Cladding of 4 bases is an option with engineer approval.



TORQUE SPECIFICATION - CARPORT

	Grounding Lug	Fix M Rail to C Purlin Screw M6.3 X 25	Mid/End Clamp M8	C Rail Splice Kit M 10 * 30	Rail Fix Kit to Column M16	Rail Fix Kit to C Rail M10	Structure (incl Column Adapter, Base Plate M16
Torque in N-m	**6**	**12**	**16**	**28**	**30**	**34**	**40**

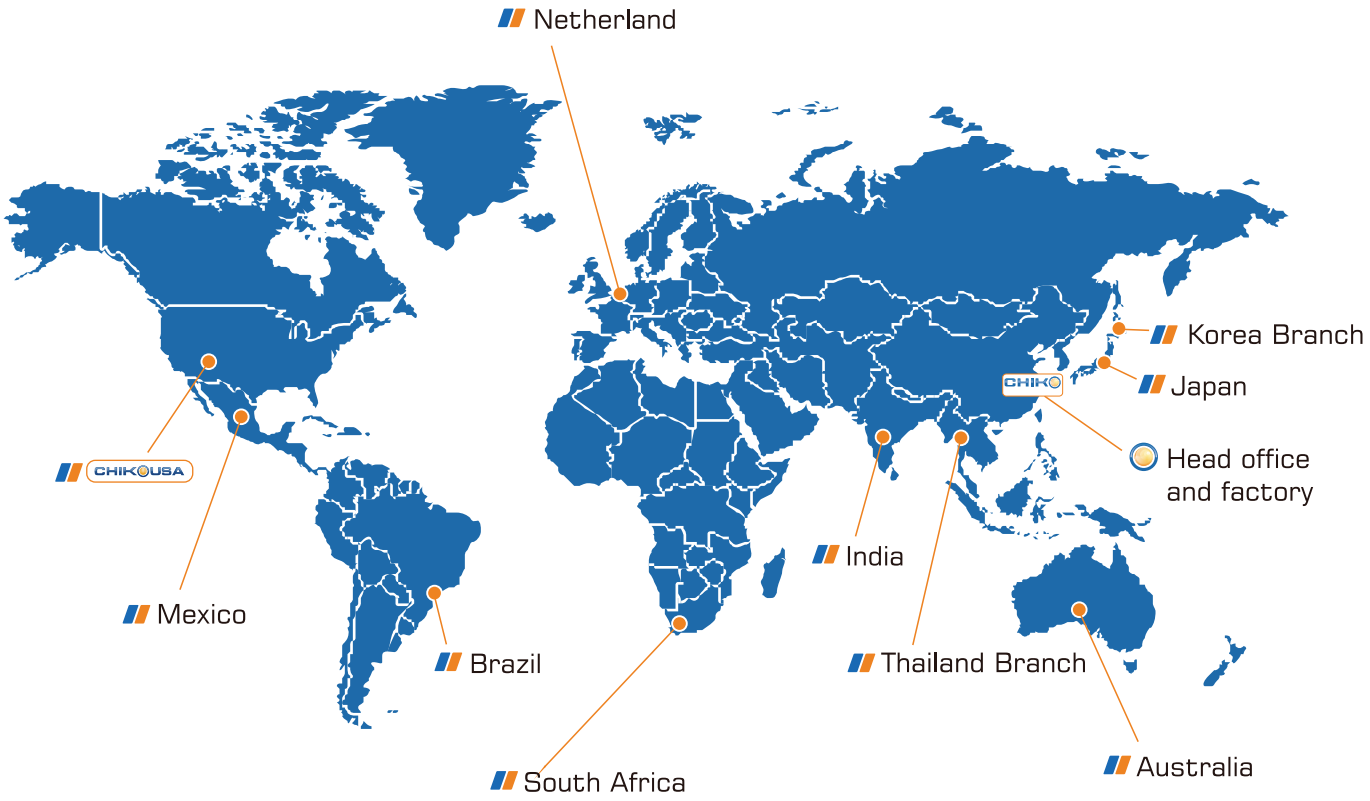
Note : The above values are expressed as N-m,- "Newton-meter"

	Grounding Lug	Fix M Rail to C Purlin Screw M6.3 X 25	Mid/End Clamp M8	C Rail Splice Kit M 10 * 30	Rail Fix Kit to Column M16	Rail Fix Kit to C Rail M10	Structure (incl Column Adapter, Base Plate M16
Torque in ft/lb	**4.5**	**9**	**12**	**21**	**22.5**	**22.5**	**30**

Note : The above values are expressed as "foot-pound"

WORLD LEADING

MANUFACTURE



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Email : info@chikousa.com

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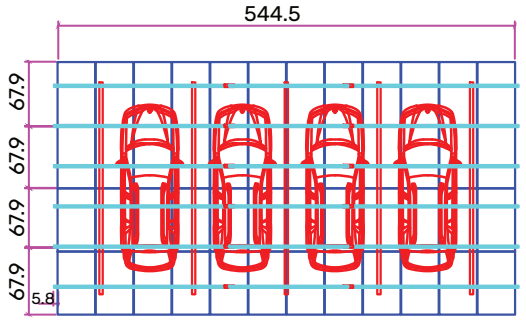
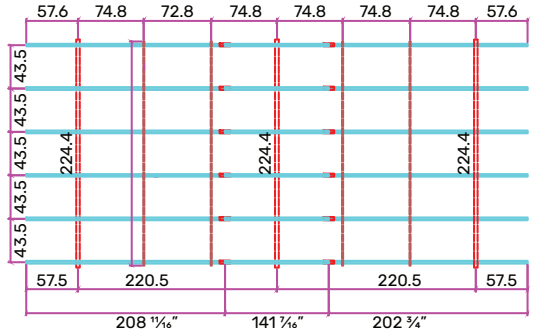
Scottsdale, AZ 85260

MAXIMO 185 FOUR CAR CARPORT

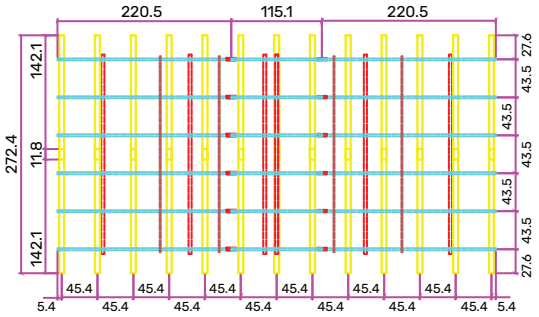
Panel Layout : 4x12



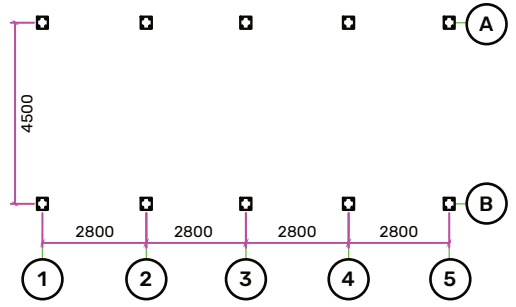
C Channel Layout



C Channel & U Rail Layout



Foundation Layout



Layout : 4x12 BOM

NO	DESCRIPTION	QTY
1	Support Rack	5
2	End Clamp	24
3	End Clamp share plate	24
4	Mid Clamp	132
5	Mid Clamp share plate	132
6	C Rail fix kit	30
7	C-Channel 208 11/16"	6
8	C-Channel 141 7/16"	6
9	C-Channel 202 3/4"	6
10	C-Channel Splice	12
11	U-Rail 137 3/4"	26
12	U-Rail Splice	13

Design Factors :
Module Dimensions : 1724*1134*34
Tilt Angle : 5°
Front Clearance : 111
Wind Speed
Snow Load : --

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			Drw		
			Check		
			Craft		
			App		

CHIKOUSA

Maximo 185	Maximo185 4-Car
	4x12-5°
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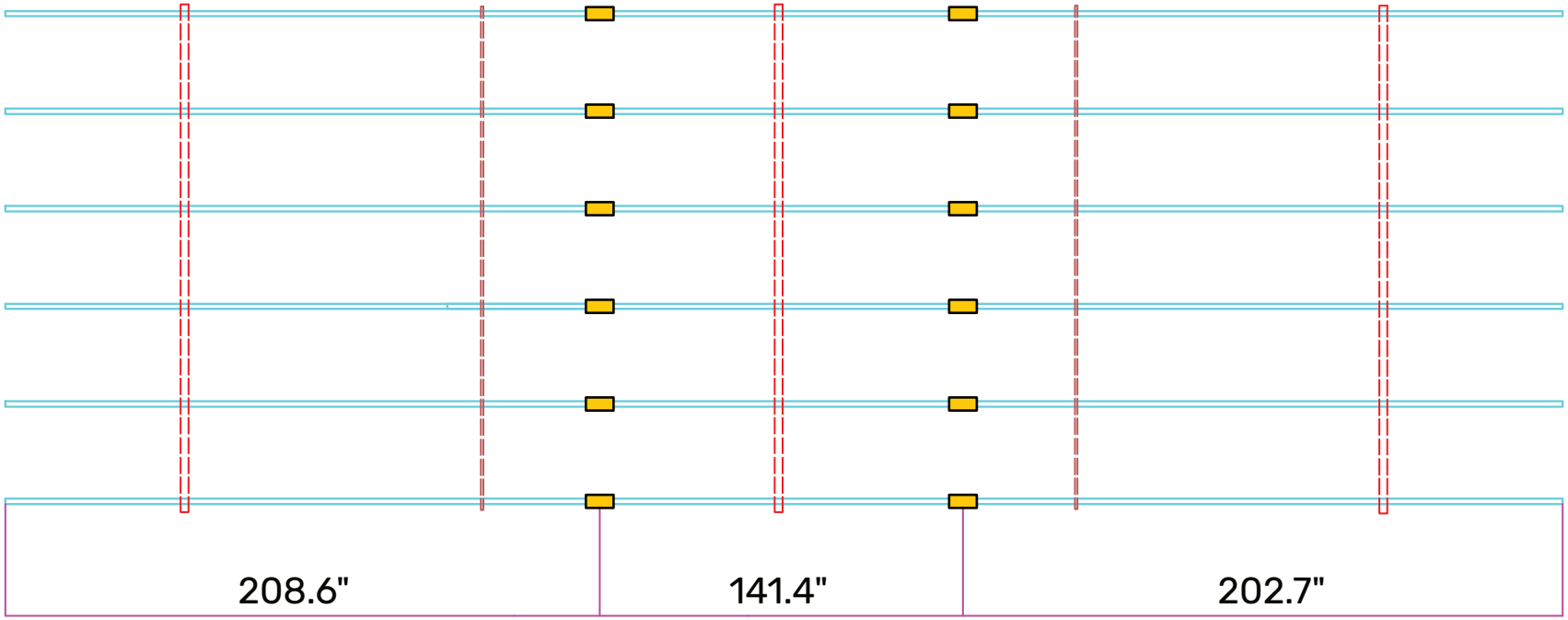
MAXIMO 185 FOUR CAR CARPORT
C-CHANNEL SPLICE LOCATIONS

= SPLICE

HIGH SIDE



LOW SIDE

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				Craft				Splice Locations
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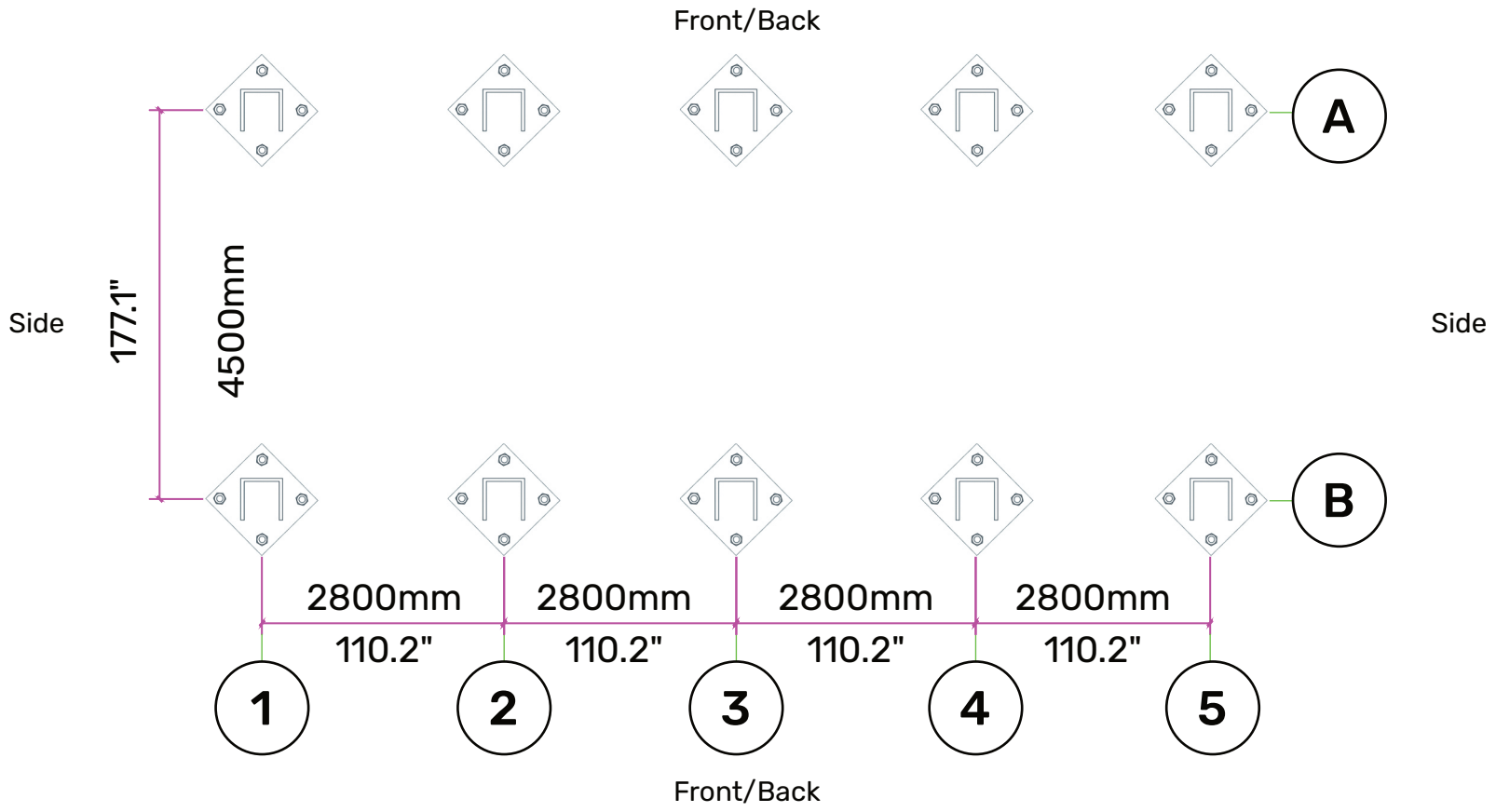
MAXIMO 185 FOUR CAR CARPORT
FOUNDATION LAYOUT



Note: Base Plates shown can rotate 180° based on aesthetic preference.
The C opening can either face down (image shown) or up. The C-opening cannot face to either side

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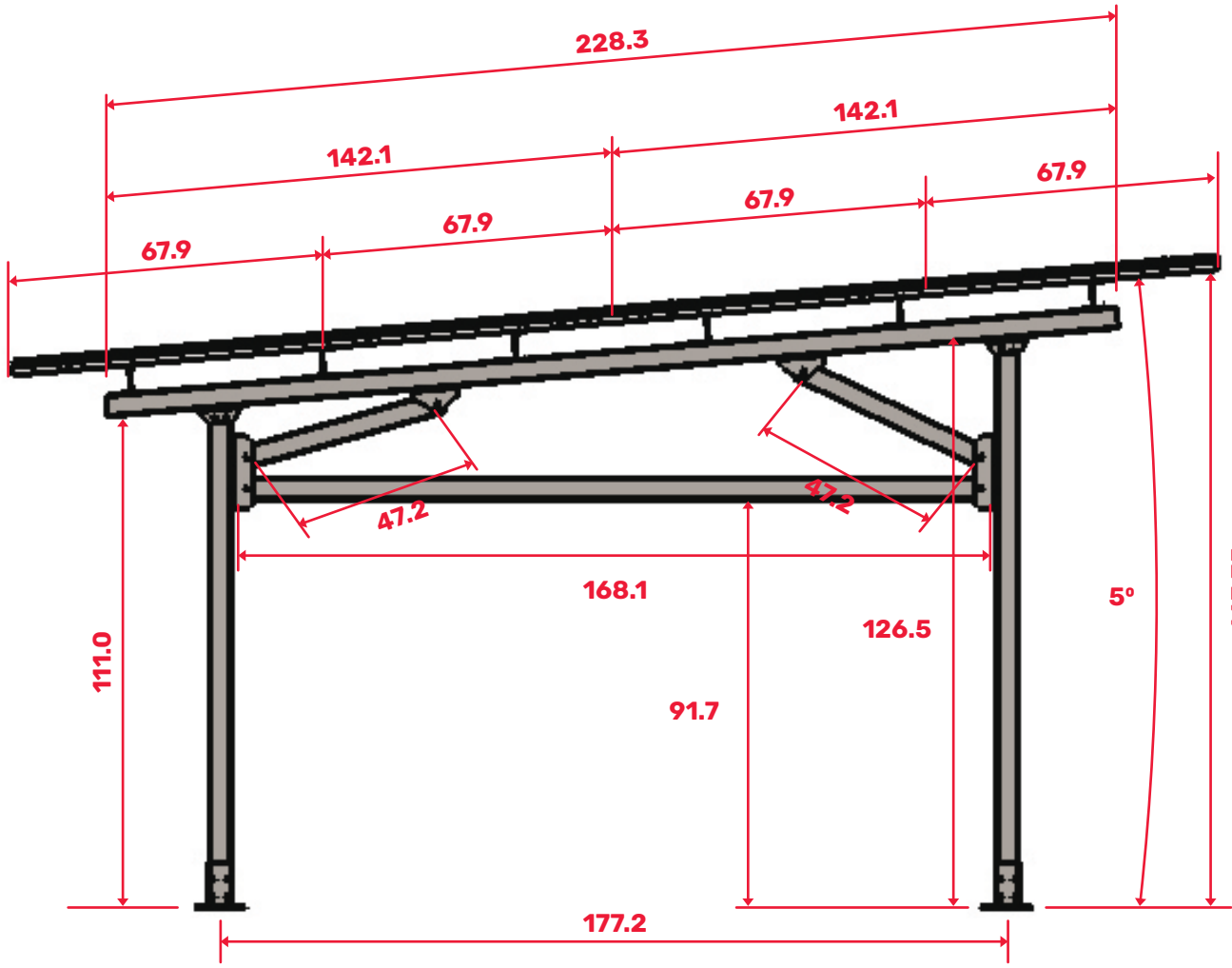
				Craft				Foundation
				App			View :	Rate / Page /

CHIKO USA MAXIMO CARPORT

INCHES



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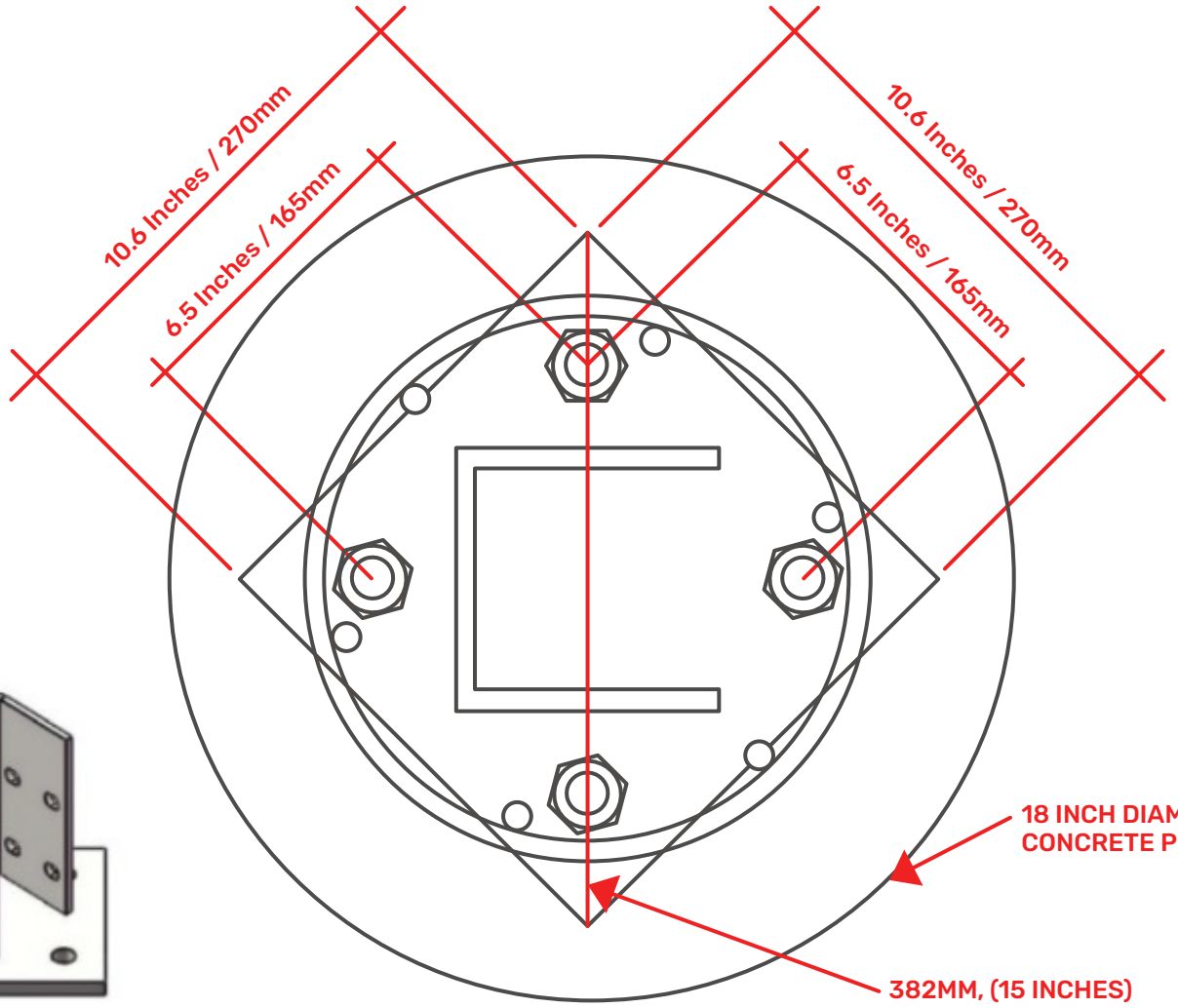
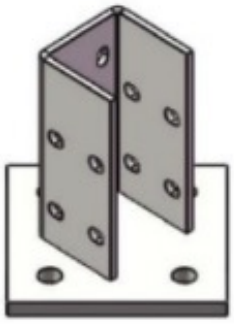
CHIKOUSA CARPORT BASE PLATE (VERSION 2.0)





HOLES IN BASE PLATE BOTTOM-M30/30MM (approx 1.2 Inches)
BOLTS per engineering-THICKNESS-1 INCH or M27;
LENGTH 24 INCHES APPROX (21" IN GROUND; PLUS ABOVE GROUND FOR NUTS

CHIKOUSA FOUNDATION ILLUSTRATIONS FOR PIER FOOTINGS

Concrete (if required):

- All concrete work shall conform to ACI standards and specifications
- 4,000 psi Compressive Strength min. (fc) at 28 days
- Type II Cement
- Maximum slump of 5'
- Concrete shall be air entrained in accordance with IBC Section 1904.2 and ACI 318
- Special Inspection is not required unless required by the Building Department/Official
- Aggregates shall be per ASTM C33 (Max. size 1-1/2")
- The mix design is to be adjusted for local soil and exposure conditions and shall be approved by the Engineer of Record

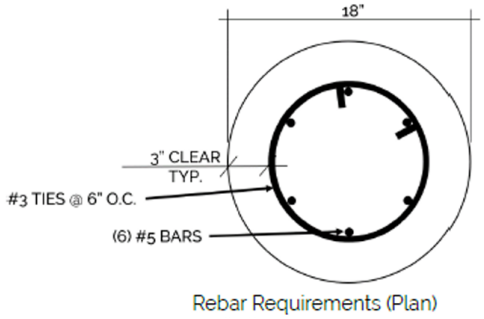
Reinforcing Steel (if required)

- Shall be per ASTM A615 Grade 60 (deformed)
- Min Fy = 60 ksi for #4 bars and up; Fy = 40 ksi for #3 bars
- Shall be free of rust and dirt
- Rebar splices shall have a lap no less than 48 bar diameters unless noted otherwise
- All clear cover distances shall be 3" unless noted otherwise.

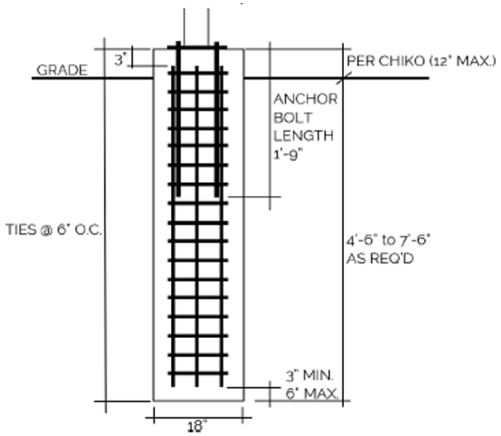
Engineering has concluded that using (4)qty 1" diameter anchor bolts with a 21" effective embedment is acceptable. **All bolts shall be installed within the pier/pedestal circular rebar cage.**

Cylindrical Concrete Pier Footing Details

18" Diameter Cylindrical Concrete Pier footing Rebar is required to be (6) #5 Longitudinal Bars with #3 Ties @ 6" O.C. for the entire pier depth.



Rebar Requirements (Plan)

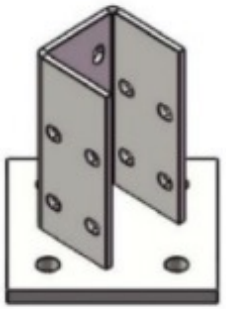


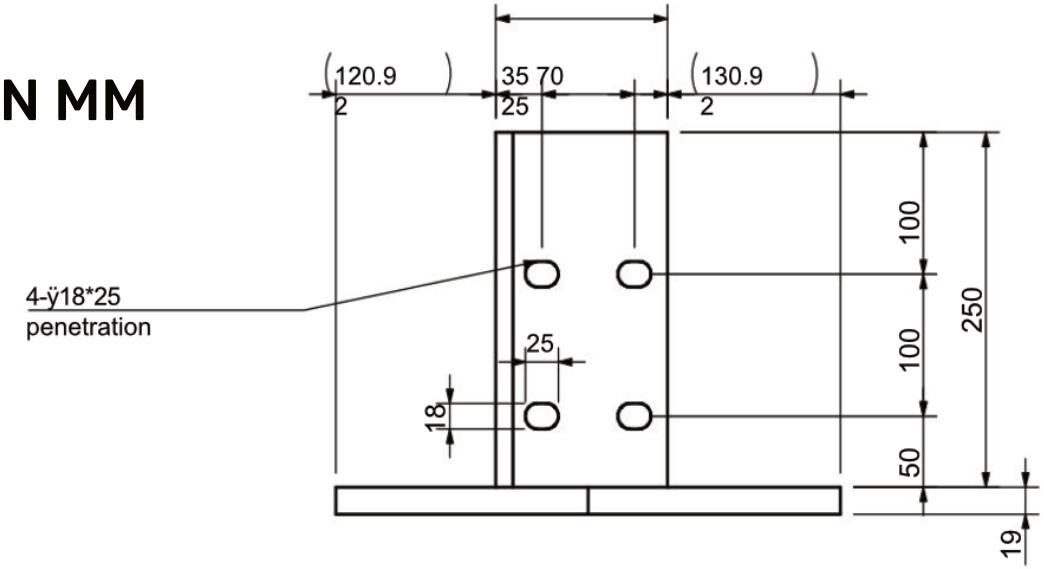
Rebar Requirements (Elevation)

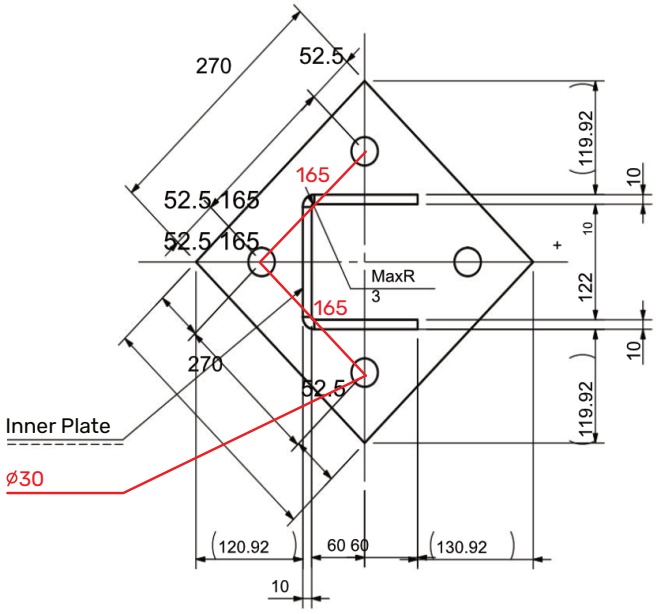
Note: For exact concrete depth, see charts in engineering report.

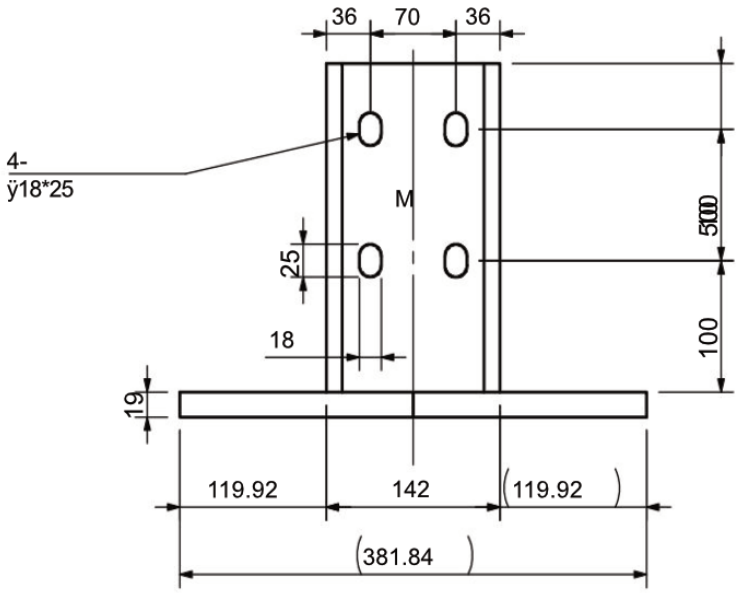
CHIKO CARPORT
BASE PLATE DRAWING - IN MM

270MM X 270MM









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					Check			Maximo185 4-Car
					Craft			Base Plate
					App			View : Rate Page /

WHERE TO GET FOUNDATION BOLTS?

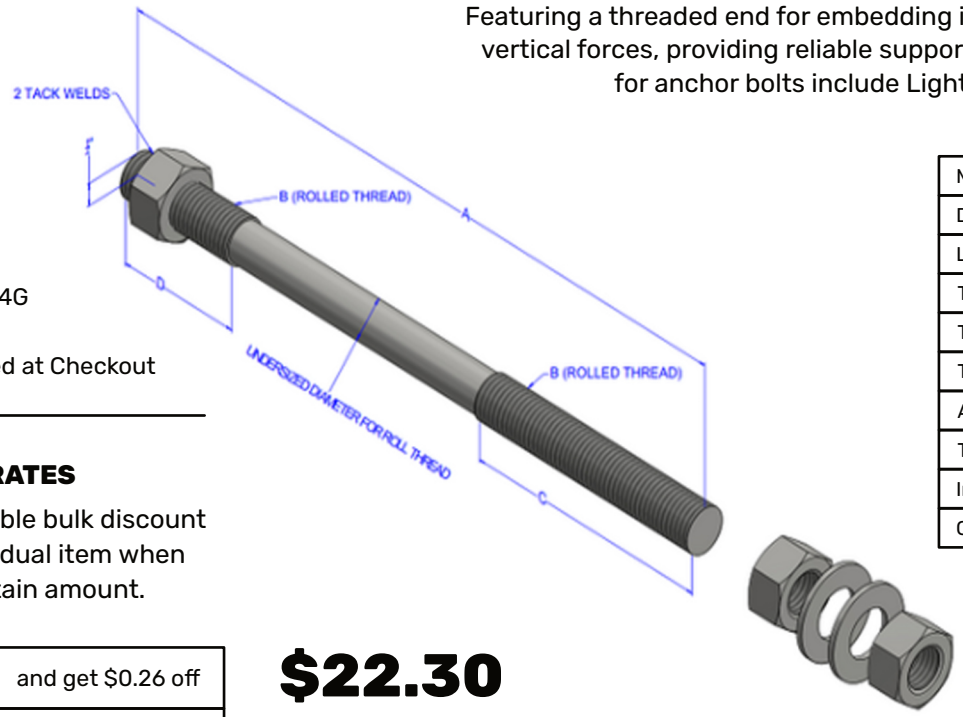
https://www.anchorboltexpress.com/1x24-w-6-thread-f1554-grade-55-galvanized-straight-anchor-bolt/

1" X 24" W/6" THREAD F1554 GRADE 55 GALVANIZED STRAIGHT ANCHOR BOLT

★★★★★
(1 Review)
Write a Review)

1"x24" Structural Anchor Bolt, and minimum 6" Thread Length.

Straight anchor bolts, meeting with ASTM standard F1554, are essential for securing structural supports like building columns and street lighting to concrete foundations. Featuring a threaded end for embedding into concrete, they ensure stability against lateral and vertical forces, providing reliable support for various applications. Some common applications for anchor bolts include Light Poles, Steel Building Columns, and Machinery Bases.



SKU: AS100024G
WEIGHT: 5.83 LBS
SHIPPING: Calculated at Checkout

Material	F1554 Grade 55-S1 Galvanized
Diameter (Mlin.) A	0.9100"
Length B	24"
Thread Size	I" - 8
Thread Length C	6" Min,
Thread Length D	2" Min,
Anchor Type	Straight (I)
Thread	Right Hand, UNC Course Thread Class 1A
Included Hardware	2 Hvy. Nuts, 2 Flatwashers
Country of Origin	Bolts: United States, Hardware: Non-Domestic

*Anchor Bolts are roll threaded per the F1554 Standard, bolt body will be undersized per the standard (Min, of 9100")

BULK DISCOUNT RATES

Velow are the available bulk discount rates for each individual item when you purchase a certain amount.

Buy 11 - 25	and get $0.26 off
Buy 26 - 50	and get $0.52 off
Buy 51 - 100	and get $0.78 off
Buy 101 above	and get $1.44 off

$22.30

WELDED NUT

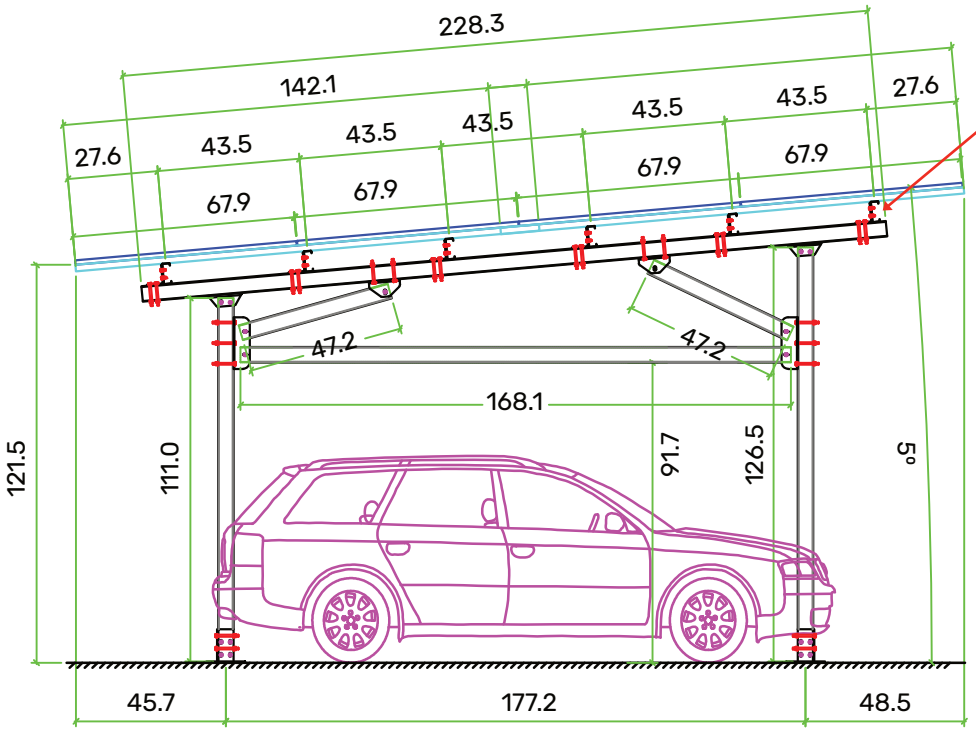
☑ Check to add tack welded nut on the bottom threads.

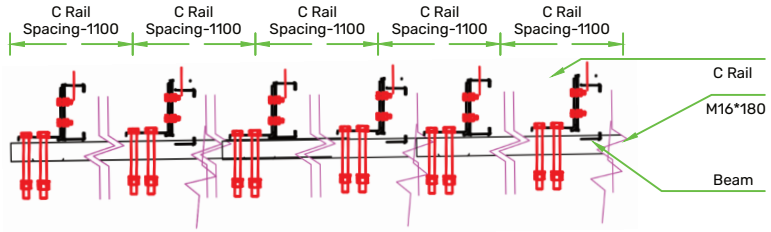
QUANTITY 1

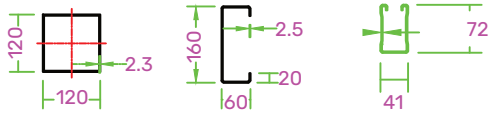
DIAMETER (A)	1"
OVERALL LENGTH (B)	24"
TOP THREAD LENGTH (C)	6" Minimum
BOTTOM THREAD LENGTH (D)	2" Minimum
MATERIAL	F1554 Grade 55-S1
FINISH	Hot Dip Galvanized
THREADS	1" - 8 UNC
COUNTRY OF ORIGIN	Bolts: United States, Hardware: Non-Domestic

SIDE PROFILE AND PARTS DIAGRAMS

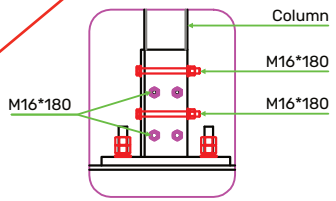
(Please note: the open side of the C-Channel faces the high side of the Carport)

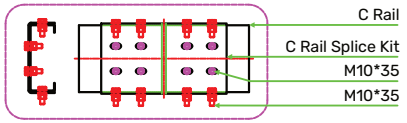


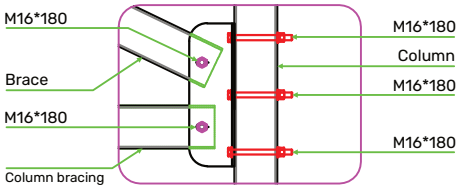


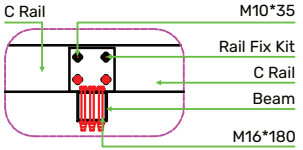


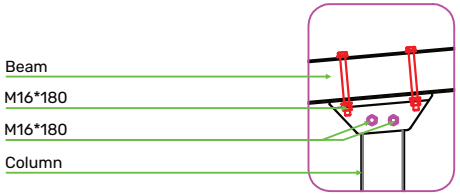
Profile Section Profile Section Profile Section

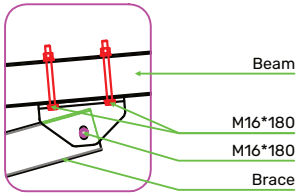


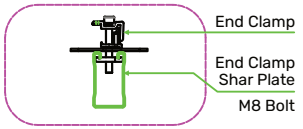


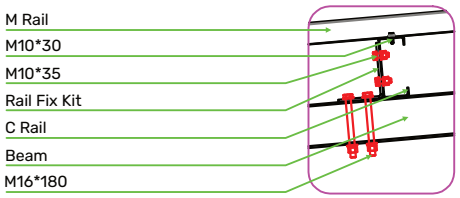


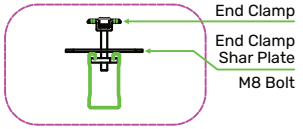


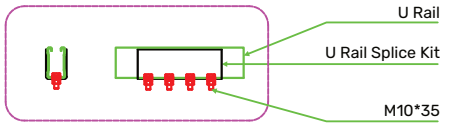












Design Factors :
Module Dimensions : 67.9 x 44.6
Tilt Angle : 5°
Front Clearance : 111
Wind Speed
Snow Load : --

Modify by	Doc No.	Data	Des	J. Burton	241105	CHIKOUSA
			Drw			
			Check			Maximo185 4-Car
			Craft			Side Profile + Parts
			App		View :	Rate / Page /