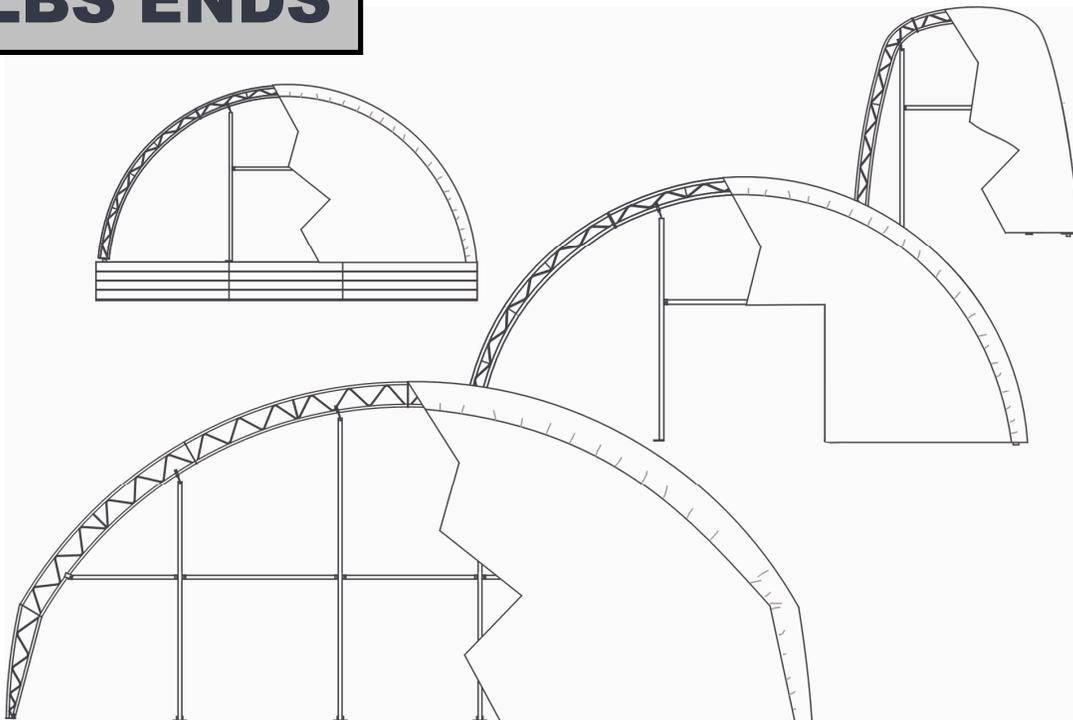


LEGEND BUILDING SERIES Installation Manual

LBS ENDS



WinchLoc™ Fastening System

DURAWEAVE™ End Panels

PVC End Panels

INCLUDES
FRAMEWORK
PANEL

SEPARATE MANUALS
ARE SUPPLIED FOR DOORS

End Components

<p>1.64 #</p> <p>BRACKET - 4" x 4" HEADER ANGLE 33100740</p>	<p>2.33 #</p> <p>BRACKET - 4" HSS BASE ANGLE 32000010</p>	<p>2.18 #</p> <p>BRACKET - C-CHANNEL HEADER ANGLE 30000465</p>	<p>1.55 #</p> <p>BRACKET - HORIZONTAL ANGLE 32000085</p>																																						
<p>2.03 #</p> <p>BRACKET - C-CHANNEL HEADER ANGLE 32000001</p>	<p>1.27 #</p> <p>BRACKET - HORIZ. SADDLE W/ TAB LBS12 330182</p>	<p>1.28 #</p> <p>BRACKET - HORIZ. SADDLE W/ TAB LBS24 330181</p>	<p>TUBE - 2" x 3" HSS FASTENING (SWAGED) 14 GA</p> <p>172" 960125 196" 960128</p> <p>39.13 # 44.59 #</p>																																						
<table border="1"> <thead> <tr> <th>ITEM</th> <th>LENGTH</th> <th>WEIGHT</th> </tr> </thead> <tbody> <tr> <td>32000035</td> <td>54 3/4"</td> <td>11.5 #</td> </tr> <tr> <td>32000040</td> <td>74 3/4"</td> <td>15.6 #</td> </tr> <tr> <td>32000045</td> <td>93 3/4"</td> <td>19.5 #</td> </tr> <tr> <td>32000050</td> <td>112 3/4"</td> <td>23.5 #</td> </tr> <tr> <td>32000055</td> <td>131 3/4"</td> <td>27.4 #</td> </tr> </tbody> </table> <p>ESS HORIZONTAL Ø 2 7/8" - 14GA</p>		ITEM	LENGTH	WEIGHT	32000035	54 3/4"	11.5 #	32000040	74 3/4"	15.6 #	32000045	93 3/4"	19.5 #	32000050	112 3/4"	23.5 #	32000055	131 3/4"	27.4 #	<table border="1"> <thead> <tr> <th>ITEM</th> <th>LENGTH</th> <th>WEIGHT</th> </tr> </thead> <tbody> <tr> <td>32000060</td> <td>150 3/4"</td> <td>31.3 #</td> </tr> <tr> <td>32000065</td> <td>169 3/4"</td> <td>35.2 #</td> </tr> <tr> <td>32000070</td> <td>188 3/4"</td> <td>39.2 #</td> </tr> <tr> <td>32000075</td> <td>207 3/4"</td> <td>43.1 #</td> </tr> <tr> <td>32000080</td> <td>226 3/4"</td> <td>47.0 #</td> </tr> </tbody> </table> <p>ESS TRUSS EXTENSION 2 1/2" - 14 g 330550</p>		ITEM	LENGTH	WEIGHT	32000060	150 3/4"	31.3 #	32000065	169 3/4"	35.2 #	32000070	188 3/4"	39.2 #	32000075	207 3/4"	43.1 #	32000080	226 3/4"	47.0 #	<p>6.1 #</p>	<p>3.84 #</p> <p>LASHING WINCH 804073</p> <p>COTTER PIN Ø 3/16" X 1" 804030</p> <p>RIGHT HAND 804074 LEFT HAND 804074</p>
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<p>1" BELTING 804540</p> <p>1.5 # / 100 ft</p> <p>TBS TIE DOWN STRAP 6" LONG 350072</p>	<p>2.8 #</p> <p>PVC TUBE Ø 1" WHITE 900308</p> <p>#1/4"-14 X 3/4" (Tek 3) 800020 #12-14 X 1 1/4" (Tek 3) 803040 #12-24 X 1 1/4" (Tek 5) 803020 1/4" FENDER WASHER 802000 5/16" MAG CHUCK DRIVER 840005 3/8" MAG CHUCK DRIVER 804100 PVC GLUE 804520</p>		<p>HEX BOLT 5/8" X 1 1/4" 800037 5/8" X 2 1/2" 800055 5/8" X 4" 800065 5/8" X 5" 800070 5/8" X 5 1/2" 800039 5/8" X 6" 800075 5/8" X 7" 800051 NUT - 5/8" 801050 WASHER - FLAT - 5/8" 802010</p>	<p>CARR BOLT 5/8" X 4" 800179 5/8" X 5" 800181 5/8" X 6" 800177 5/8" X 7" 800178 CARR BOLT 1/2" X 4" 800920 7/16" X 4 1/2" 890651 NUT - 1/2" 893153 7/16" 801040 WASHER - FLAT - 7/16" 802015</p>																																					
<p>VERTICALS 4" X 4" X 11ga HSS HSS4X4CUSTOM</p>	<p>8.6 #</p> <p>BRACKET 4" X 4" HSS SLIDER ASSY 33100770</p>	<p>2.97 #</p> <p>BRACKET - 4" X 4" TOP SADDLE ASSY LBS12 33100810</p>	<p>5.09 #</p> <p>BRACKET - 4" X 4" TOP SADDLE ASSY LBS24 33100811</p>																																						
<p>VERTICALS 3" X 6" X 3/16" HSS HSS3X6CUSTOM</p>	<p>9.56 #</p> <p>BRACKET 4" X 4" HSS SLIDER ASSY 33100775</p>	<p>3.21 #</p> <p>BRACKET - 3" X 6" TOP SADDLE ASSY LBS12 33100815</p>	<p>5.23 #</p> <p>BRACKET - 3" X 6" TOP SADDLE ASSY LBS24 33100820</p>																																						
<p>VERTICALS 4" X 6" X 1/4" HSS HSS4X6CUSTOM</p>	<p>2.67 #</p> <p>BRACKET - TOP SADDLE W/ TAB LBS12 33100710</p>	<p>4.99 #</p> <p>BRACKET - 3" X 6" TOP SADDLE ASSY LBS24 33100715</p>	<p>C-CHANNEL 6" - 14 GA</p> <p>180" LONG 57.58 # 804759 240" LONG 76.90 # 804758</p>																																						
<p>VERTICALS 4" X 8" X 1/4" HSS HSS4X8CUSTOM</p>	<p>8.35 #</p> <p>BRACKET - 4" HSS TOP PLATE ASSY 33100735</p>	<p>C-CHANNEL 8" - 14 GA</p> <p>180" LONG 57.58 # 804756 240" LONG 76.90 # 804754</p>	<p>HEADER 4" X 4" X 11ga HSS</p> <p>118" LONG 62.32# HSS4X4X11GA-118H 142" LONG 74.99# HSS4X4X11GA-142H 166" LONG 87.66# HSS4X4X11GA-166H 190" LONG 100.34# HSS4X4X11GA-190H 214" LONG 113.01# HSS4X4X11GA-214H</p>																																						



IMPORTANT – READ MANUAL FIRST

Improper Site Preparation, Assembly and Maintenance may invalidate warranty and cause unnecessary and costly mistakes. If you have any questions contact your local dealer.

MAINTENANCE SCHEDULE

Failure to comply with this maintenance schedule will invalidate the warranty.

A. INSTALLATION ADJUSTMENT

1. The end panel on your Cover-All® building may relax after installation. It is important to keep the fabric tight to prevent wear and ensure a long life. Adjust the cover lashing winches and lacing to achieve a wrinkle free, drum tight appearance.

NOTE: *End panels installed during cooler weather tend to relax more than covers installed during warmer weather. If your end panel was installed in cooler weather re-check its tightness on the first available warm sunny day.*

B. INSTALLATION INSPECTION - 1 WEEK

1. Perimeter lacing - ensure the belting is secure and the end panel is tight.
2. Interior lacing - ensure the end panel is fastened tightly to the vertical and horizontal members.
3. Belting - check for premature belting wear.
4. Steel - Seal all surface penetration marks with a sealant or high zinc content paint.

C. QUARTERLY MAINTENANCE

1. Repeat above "INSTALLATION INSPECTION - 1 WEEK" a minimum of 4 times per year.

D. GENERAL

1. **Cover** - Clean with water and non-abrasive soap. Do not use solvents or chemicals.
2. **Snowfall** - Snow accumulating on the cover could indicate that the cover needs re-tensioning. Remove snow and check tension.
3. Use caution when using heavy equipment to clear away avalanched snow.

E. ACCIDENTAL DAMAGE

Fabric: Sharp objects can puncture and damage the fabric. Do not attempt to seal or repair with conventional materials. Call your local Cover-All® representative. He can assess the damage and facilitate replacement or provide a heat-weld service if the panel is repairable.

Structure: Report and document any damage to the steel structure, components or foundation immediately. Have your local Cover-All® representative inspect the damage and provide a comprehensive evaluation. Perform any temporary or emergency repairs as determined. Replace or repair damaged components as determined.

Other: Any fabric or structural irregularities not resulting from accidents or extreme weather should be documented and reported immediately. Have your local Cover-All® representative inspect the damage and provide a comprehensive evaluation.

IMPORTANT

COVER-ALL BUILDING SYSTEMS IS NOT RESPONSIBLE FOR ANY DAMAGES WHICH MAY OCCUR DURING INSTALLATION

IMPORTANT: The end wall illustrations are for Standard Type End Enclosures. Refer to the engineered drawings that are supplied with the end for full details.

Foundation requirements are the responsibility of the individual owner/installer.
Consult a qualified engineer in your area.
Cover-All Building Systems is not responsible for foundation design.

If you have any questions contact your local dealer.



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STEP 1

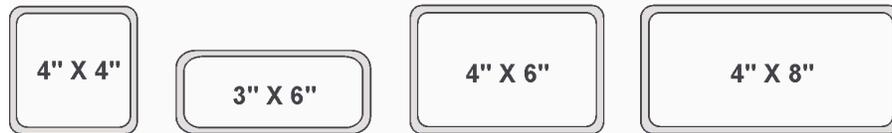
DETERMINE SIZE OF VERTICALS AND HEADERS

IMPORTANT

More than one size of vertical can be used in the end.

CHECK THE DRAWINGS THAT ARE SUPPLIED WITH THE END FOR THE SIZE AND PLACEMENT OF VERTICALS.

VERTICALS - HSS



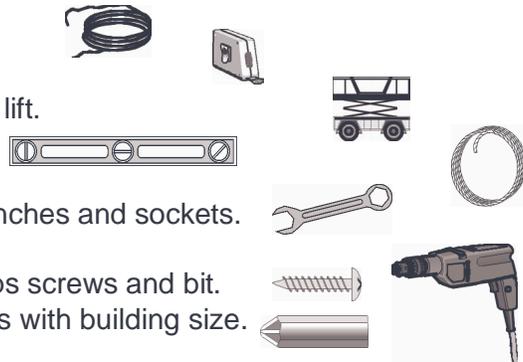
DOOR HEADERS



STEP 2

REQUIRED EQUIPMENT

1. Alignment string or device.
2. Measuring tape.
3. Movable scaffolding or a platform lift.
6. Square level.
7. Pull rope.
8. 11/16" - 3/4" - 15/16" - 1 1/8" wrenches and sockets.
9. Drill.
10. 20 of #10 x 3/4" round head Philips screws and bit.
The number of screws used varies with building size.
11. **Optional** - power wrench.



STEP 3

DETERMINE END WALL TYPE

The following illustrations depict Standard End Wall Types.
Check the drawings that are supplied with the end for details.

Custom Designed and Non-Standard Ends

USE THE INSTALLATION DIMENSIONS IN THE DRAWINGS THAT COME WITH THE END.

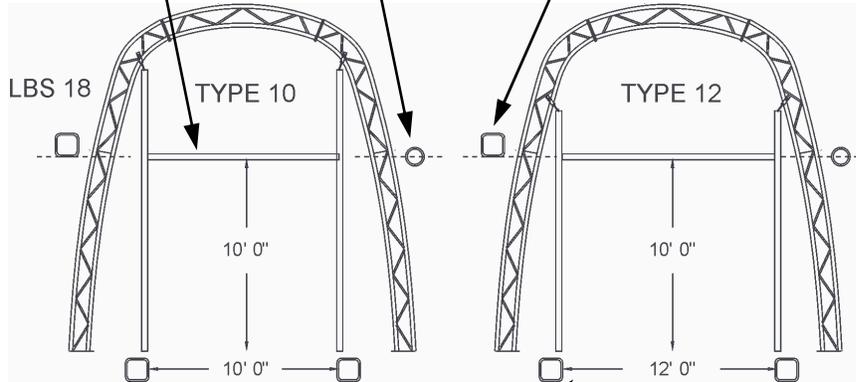
Use this manual for general assembly and installation procedures only.

HEADER HEIGHT MAY VARY SEE SUPPLIED DRAWINGS

- HORIZONTALS - MEASURE TO THE CENTER OF THE PIPE

- DOOR HEADERS - MEASURE TO THE BOTTOM OF THE HEADER

STANDARD LBS 18



SEE SUPPLIED DRAWINGS FOR THE SIZE OF VERTICALS AND THEIR LOCATIONS

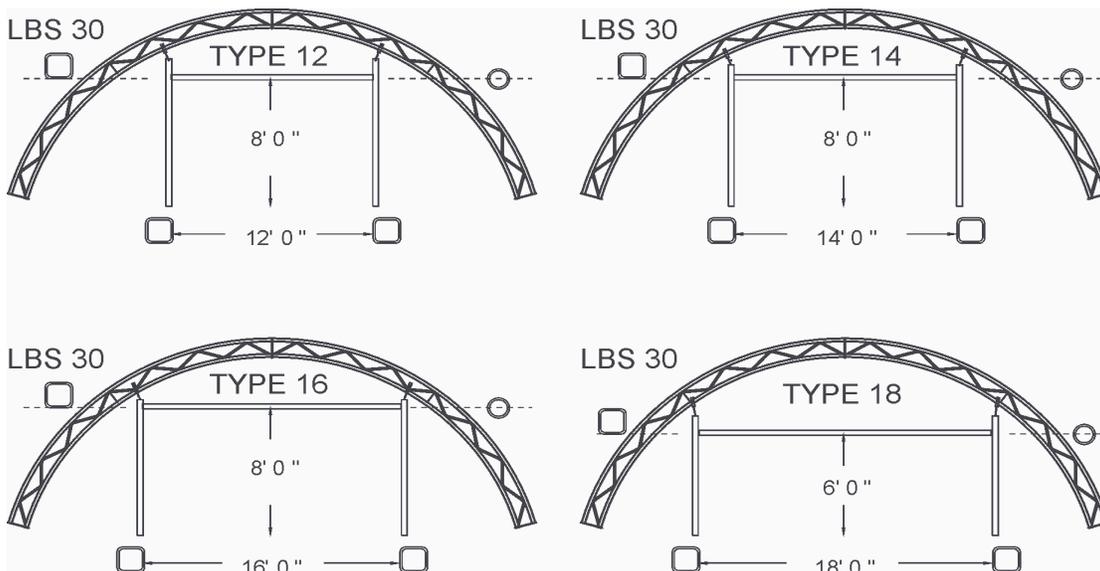
- MIDDLE VERTICALS - MEASURE TO THE INSIDE OF STEEL

- OUTSIDE VERTICALS - MEASURE TO THE CENTER OF STEEL - SEE PAGE 9 -

STANDARD LBS 19

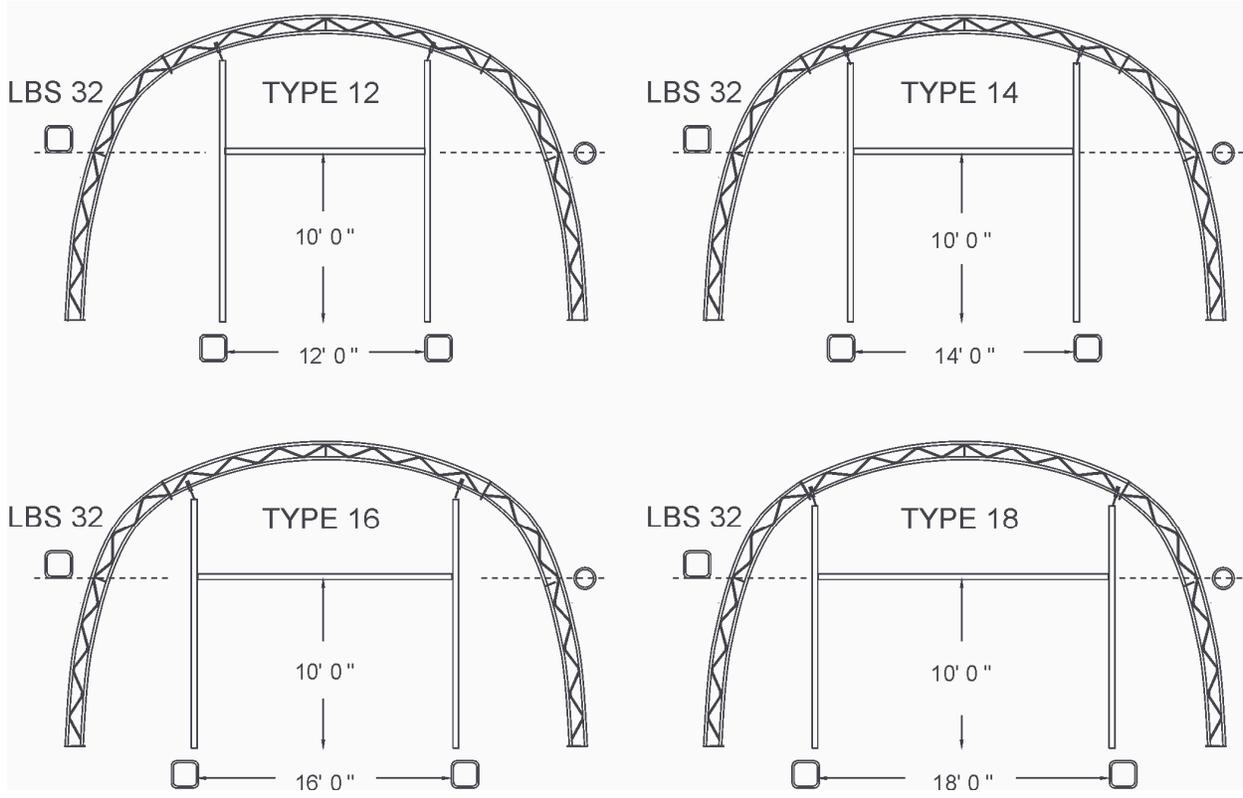


STANDARD LBS 30

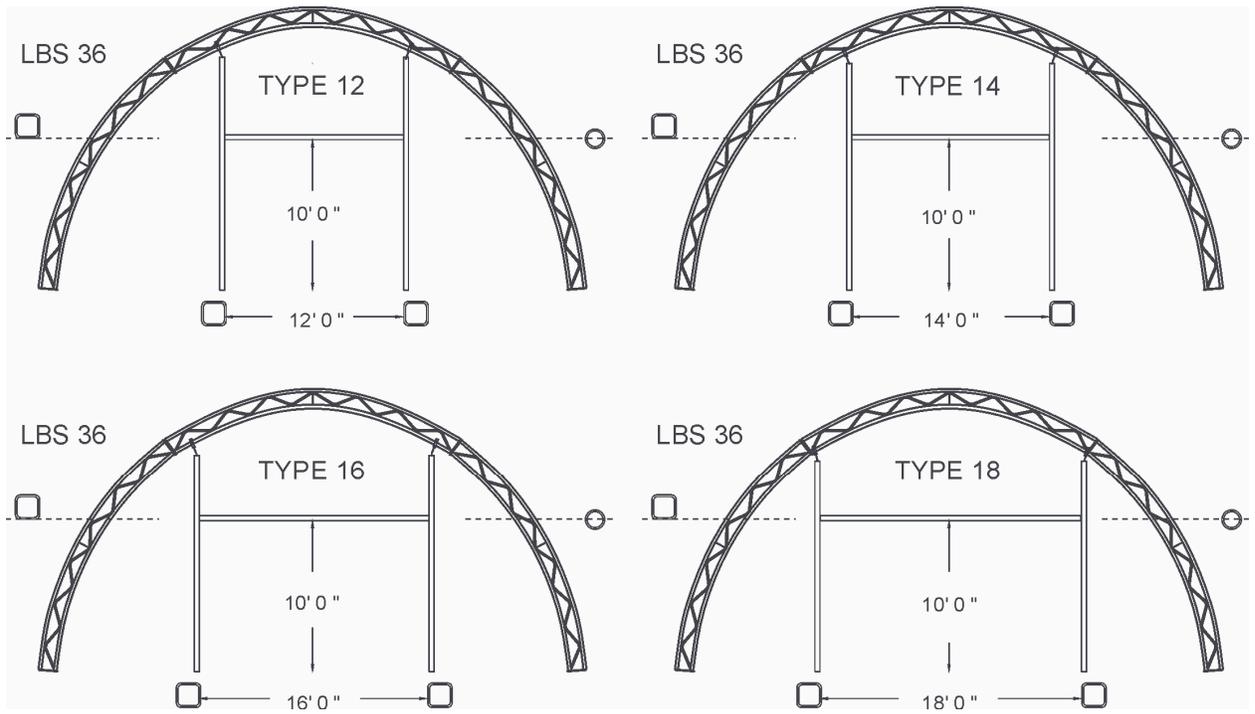


**SEE SUPPLIED DRAWINGS
FOR SIZE OF VERTICALS**

STANDARD TBS 32

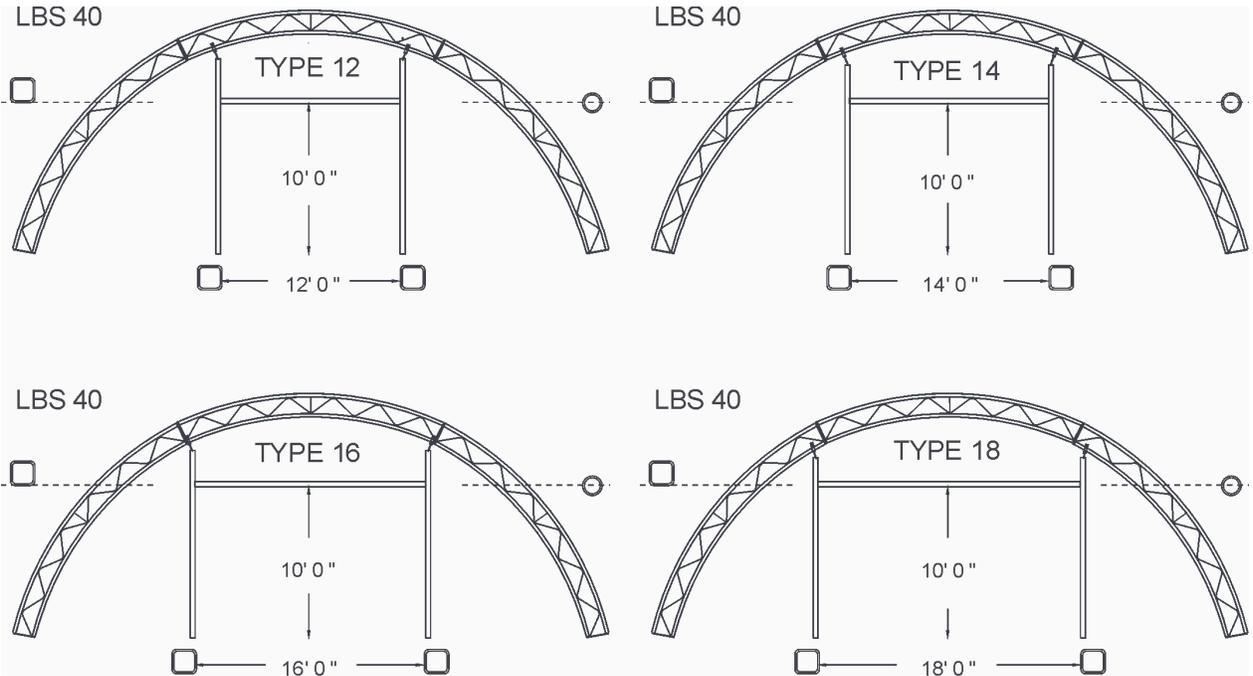


STANDARD LBS 36



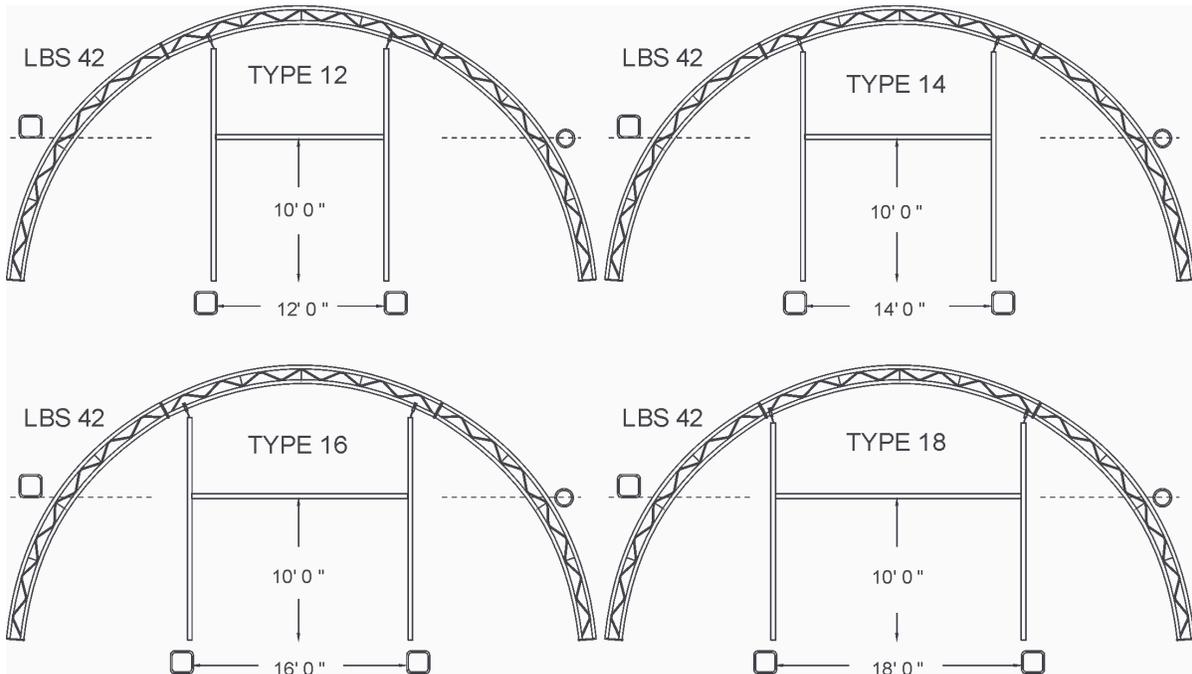
CUSTOM ENDS - USE THE INSTALLATION DIMENSIONS IN THE SUPPLIED DRAWINGS

STANDARD LBS 40

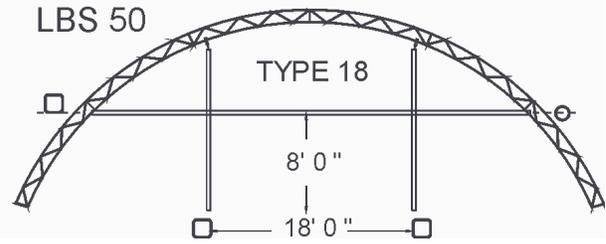
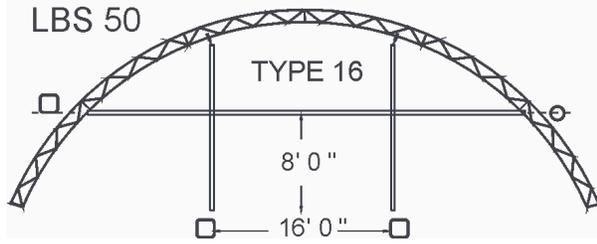
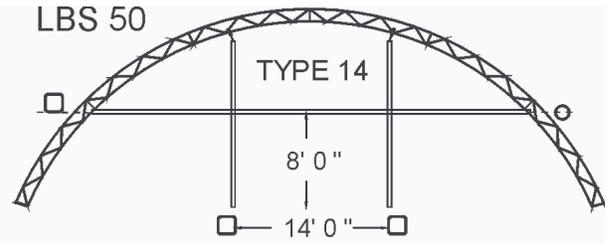
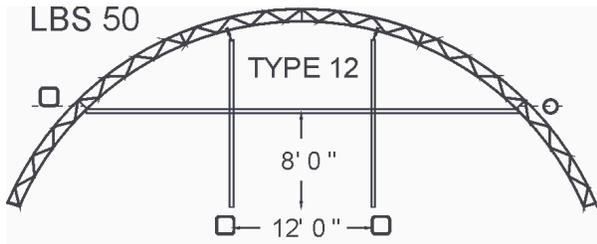


**SEE SUPPLIED DRAWINGS
FOR SIZE OF VERTICALS**

STANDARD LBS 42

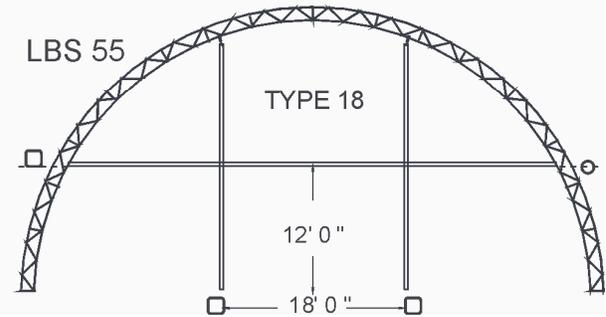
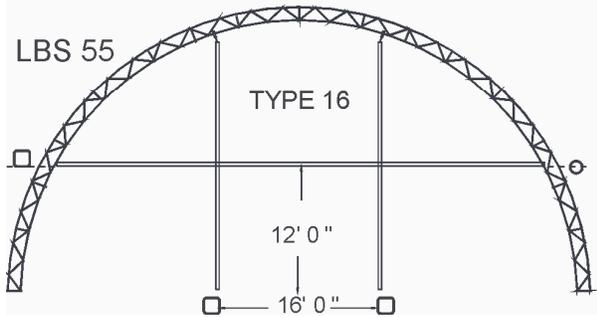
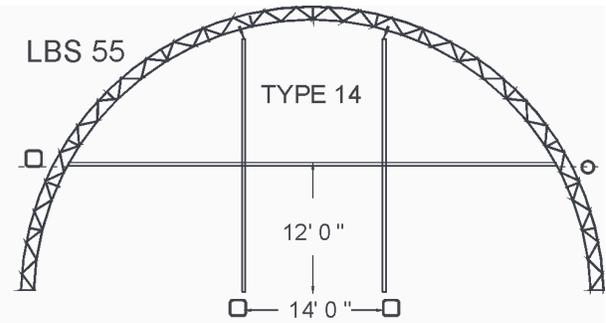
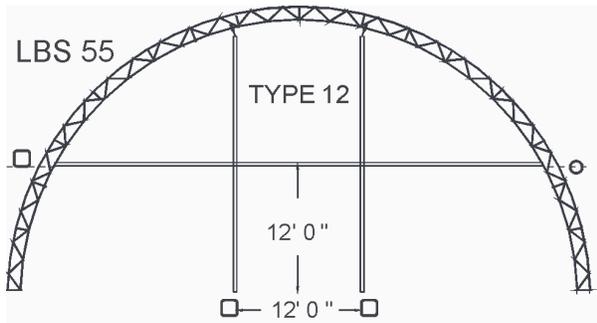


STANDARD LBS 50



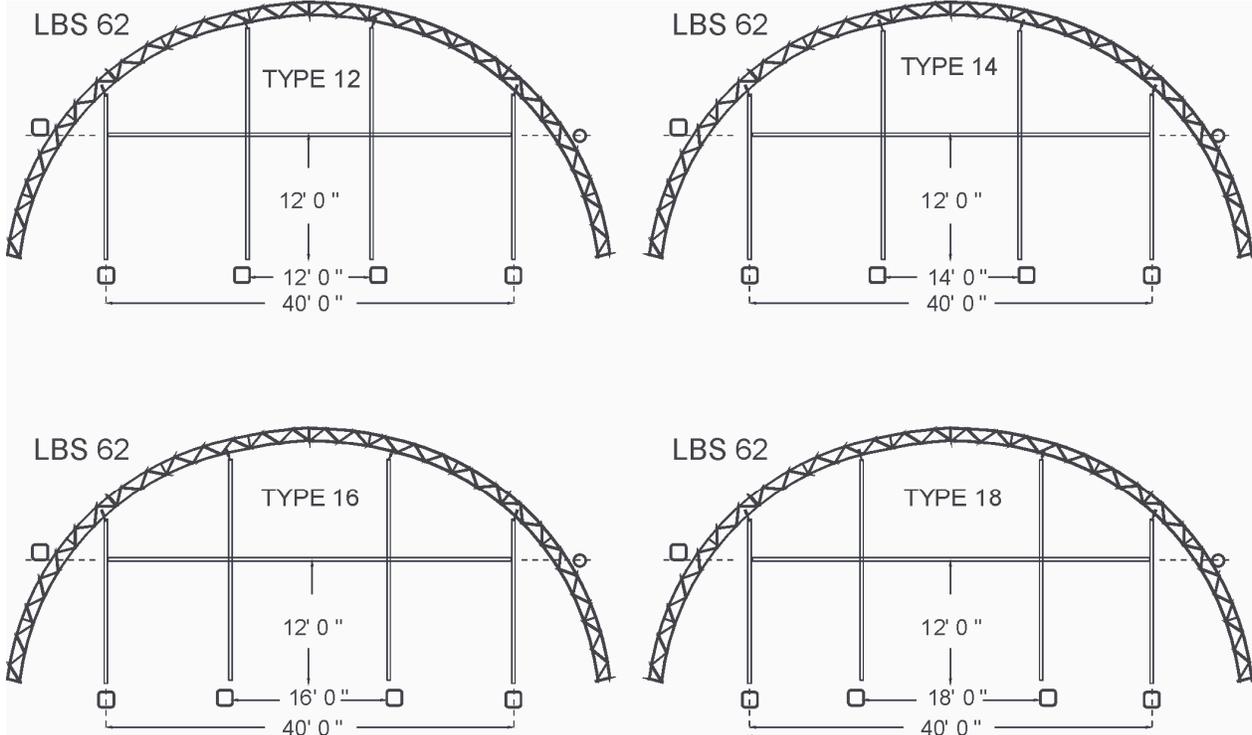
**SEE SUPPLIED DRAWINGS
FOR SIZE OF VERTICALS**

STANDARD LBS 55



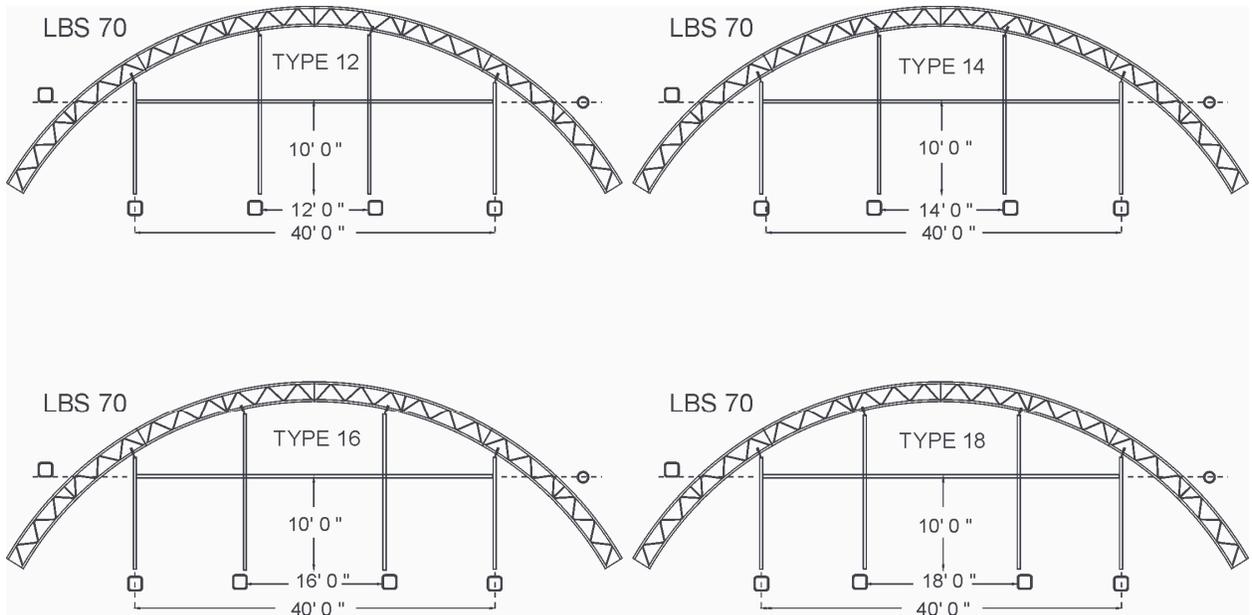
CUSTOM ENDS - USE THE INSTALLATION DIMENSIONS IN THE SUPPLIED DRAWINGS

STANDARD LBS 62

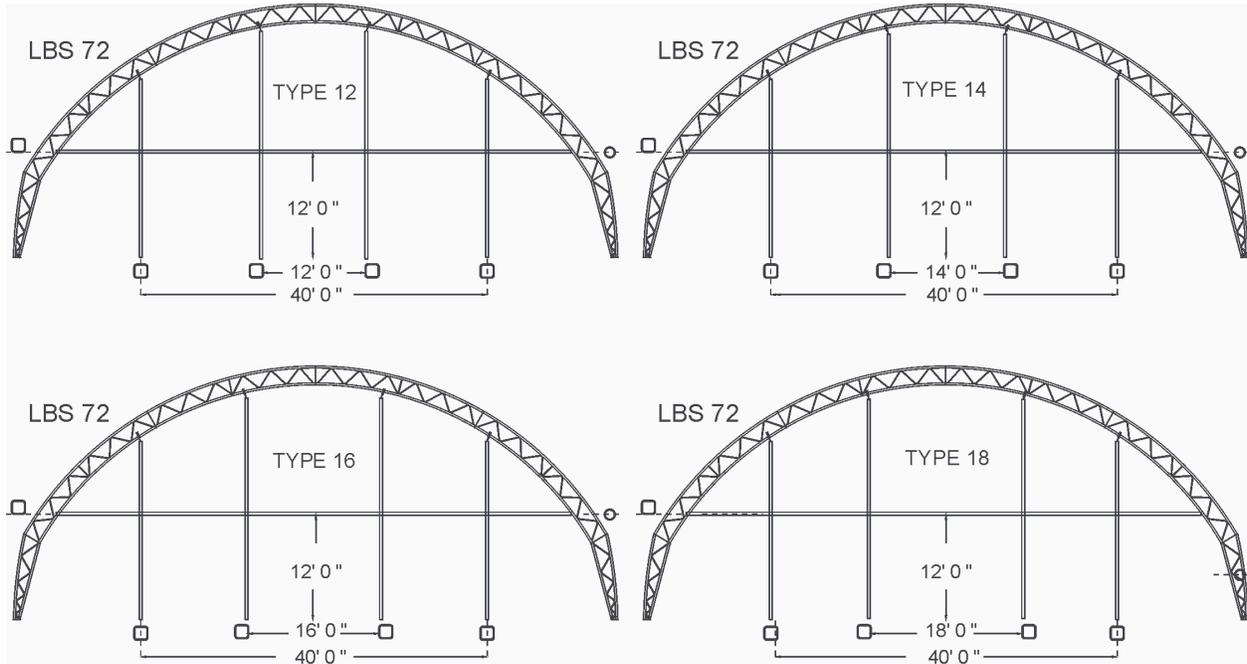


**- OUTSIDE VERTICALS -
MEASURE TO THE
CENTER OF STEEL**

STANDARD LBS 70

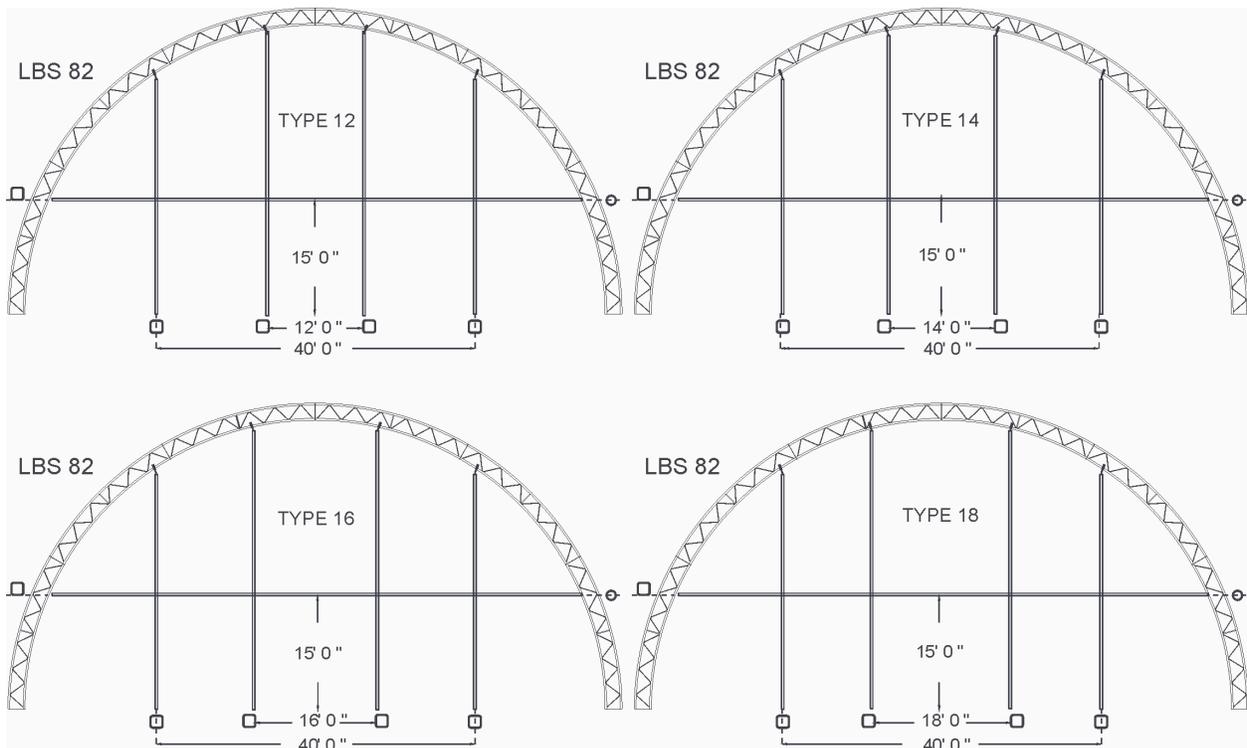


STANDARD LBS 72



**SEE SUPPLIED DRAWINGS
FOR SIZE OF VERTICALS**

STANDARD LBS 82

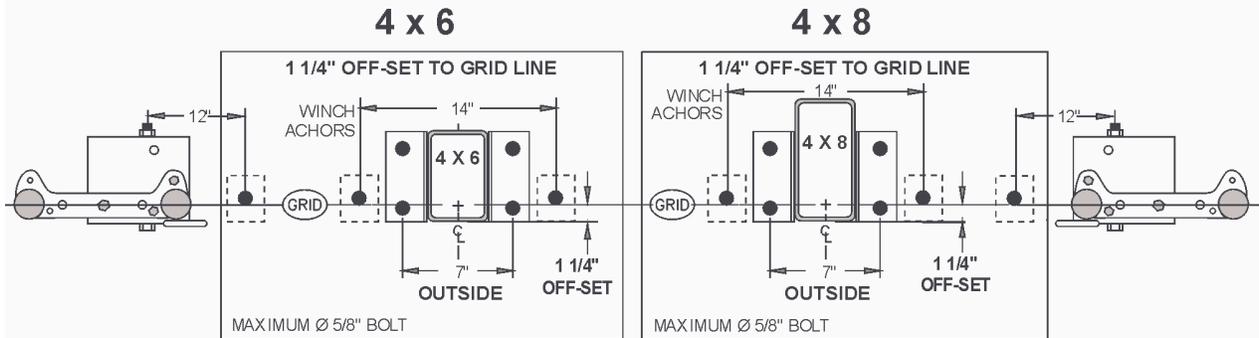
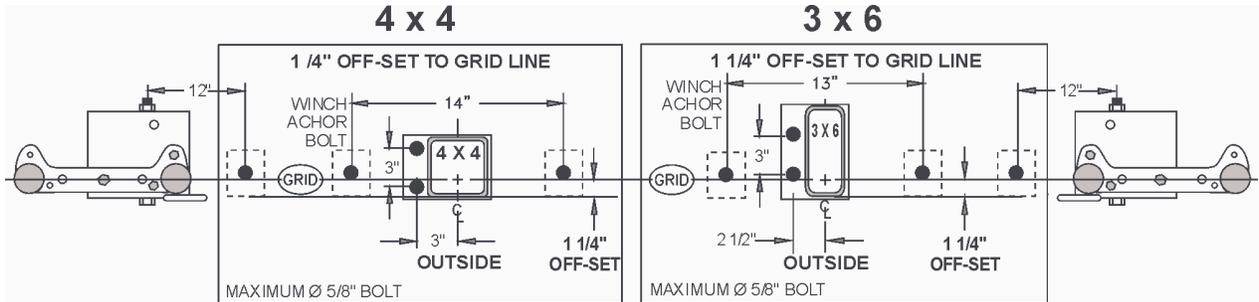


CUSTOM ENDS - USE THE INSTALLATION DIMENSIONS IN THE SUPPLIED DRAWINGS

STEP 4

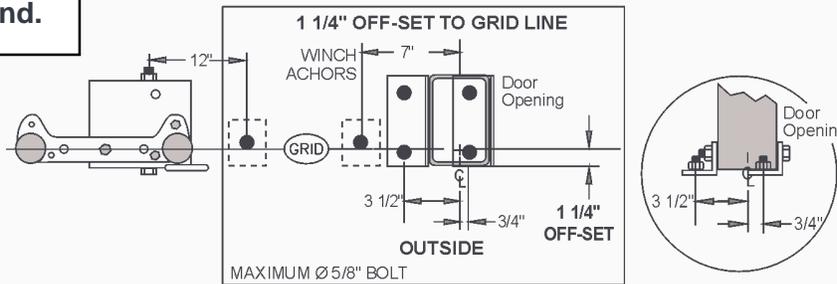
PLAN / INSTALL ANCHORAGE

Base Off-Set is 1 1/4"

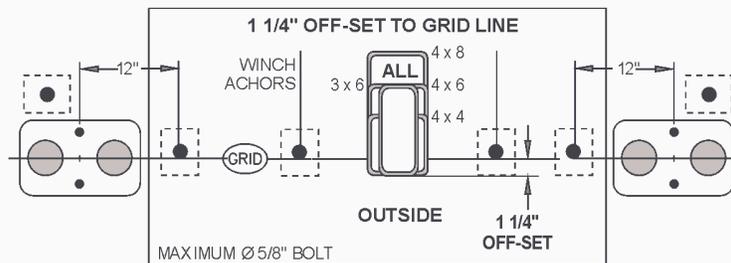


IMPORTANT
More than one size of vertical can be used in the end.

4 x 6 and 4 x 8 DOOR OPENINGS



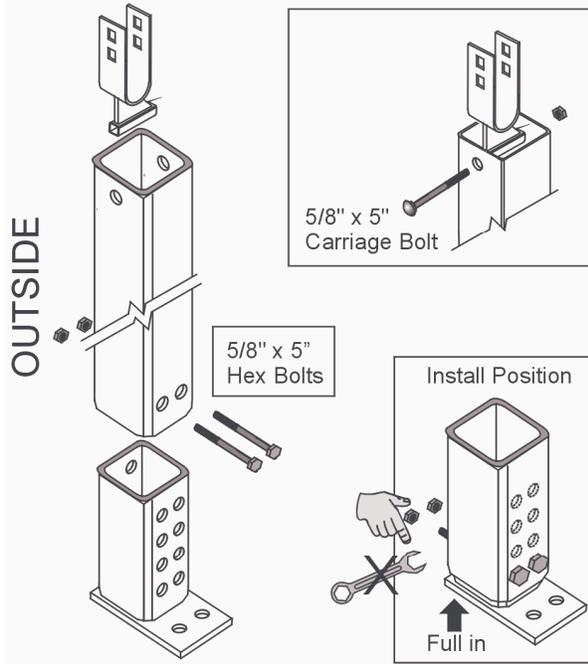
LBS 72 ALIGNMENT



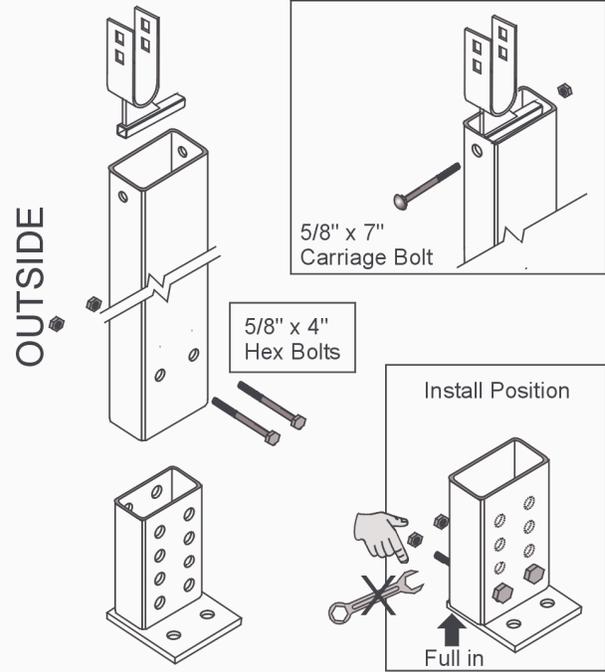
STEP 5

ASSEMBLE VERTICALS

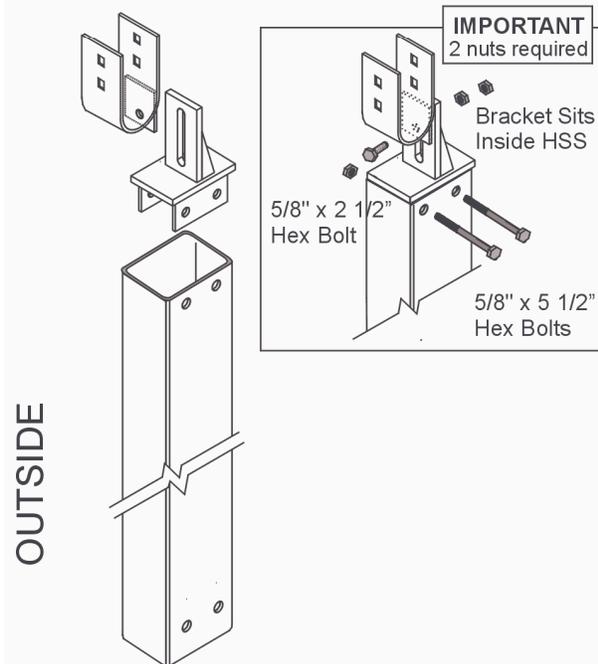
4 x 4



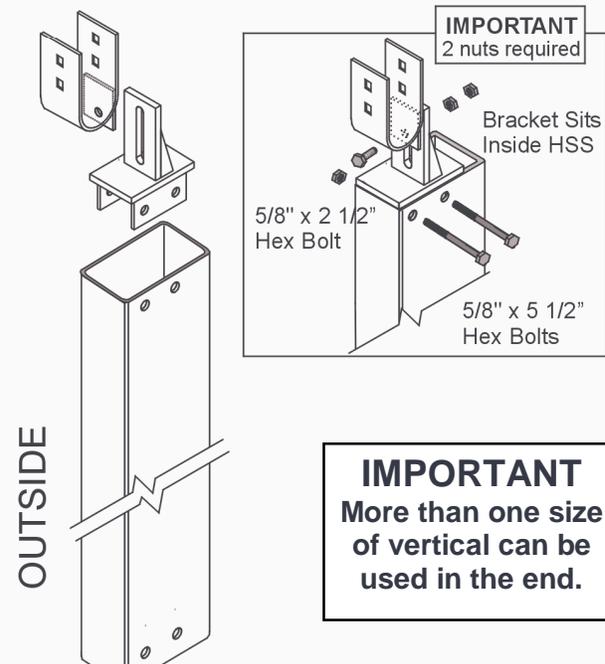
3 x 6



4 x 6



4 x 8



IMPORTANT
More than one size
of vertical can be
used in the end.

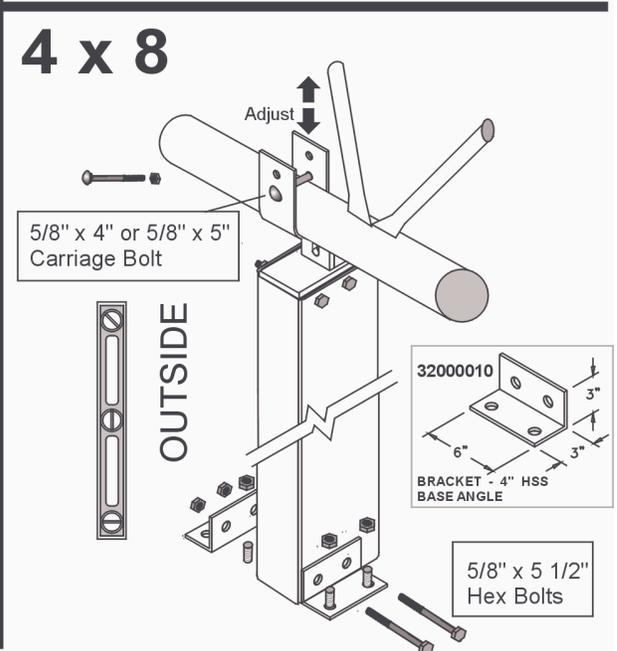
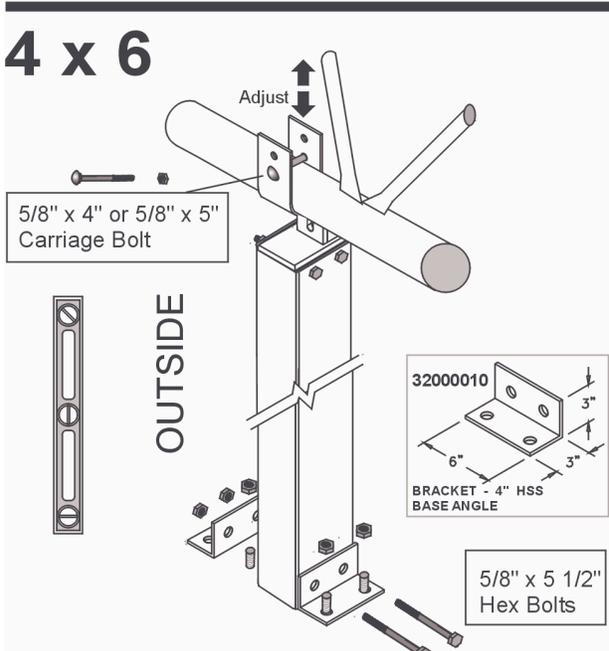
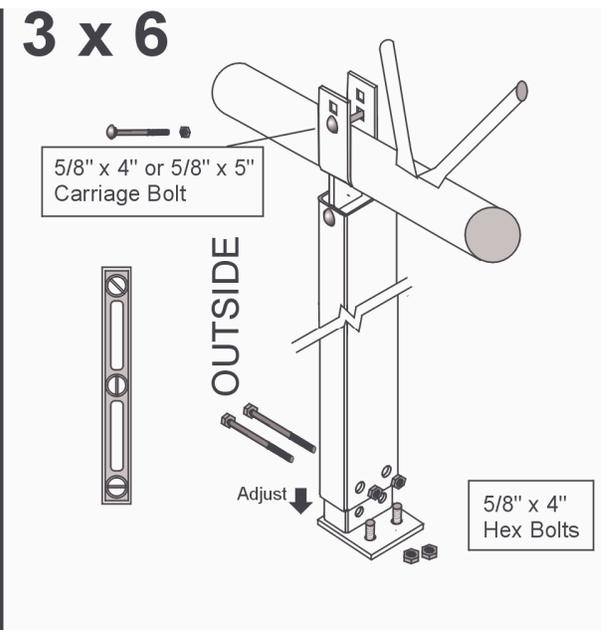
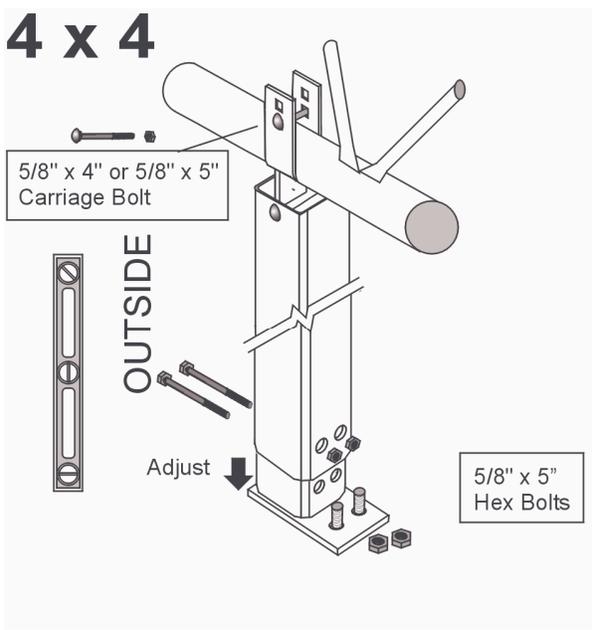
Tighten all bolts/nuts to assembly torque value- See Page 25

STEP 6 **LIFT VERTICALS**



STEP 7 **ATTACH VERTICALS**

IMPORTANT: More than one size of vertical can be used in the end.



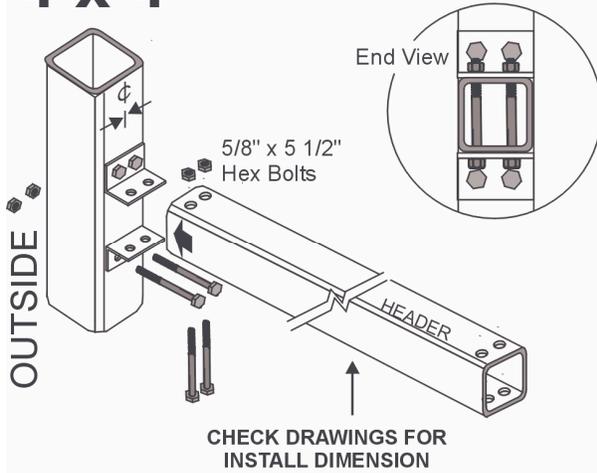
Tighten all bolts/nuts to assembly torque value- See Page 25

STEP 8

INSTALL DOOR HEADERS

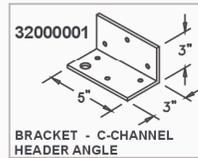
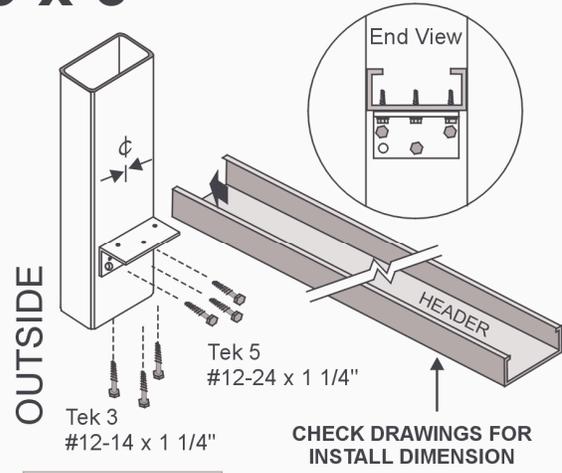
If your building end wall has door openings install the door headers at this time.
See the drawings that come with the end for installation dimensions.

4 x 4

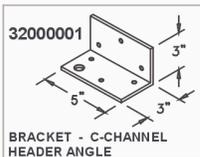
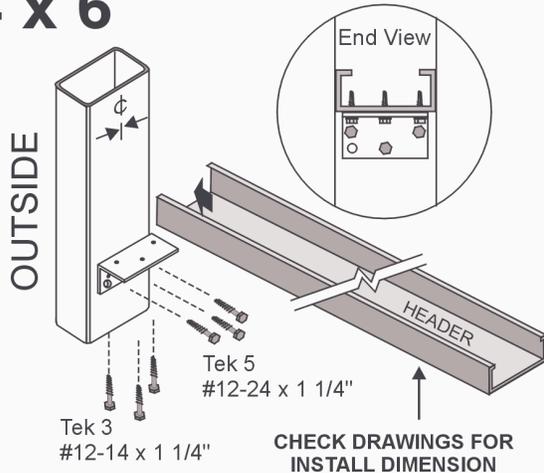


Tighten all bolts/nuts to assembly torque value - See Page 25 -

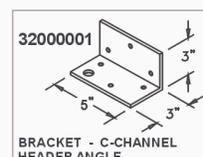
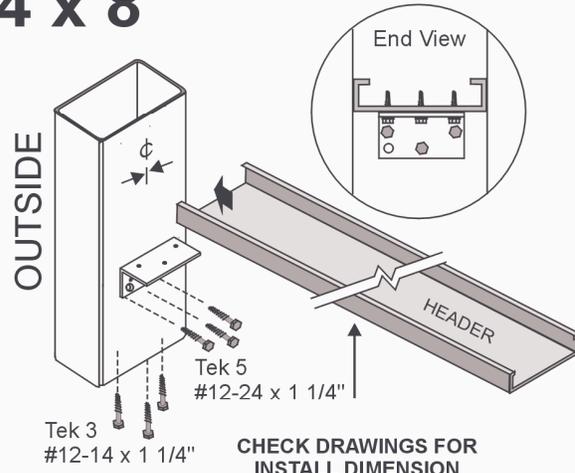
3 x 6



4 x 6



4 x 8

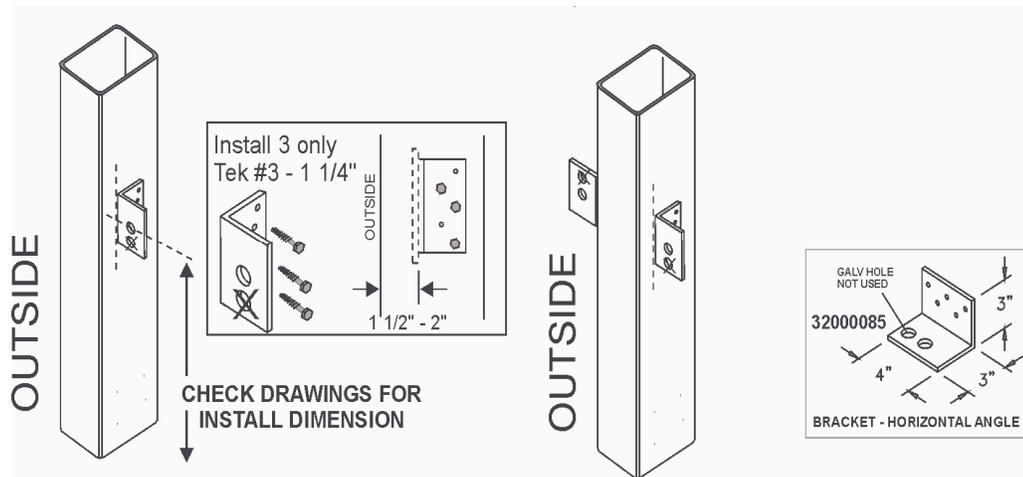


IMPORTANT
More than one size of vertical can be used in the end.

CUSTOM ENDS - USE THE INSTALLATION DIMENSIONS IN THE SUPPLIED DRAWINGS

STEP 9

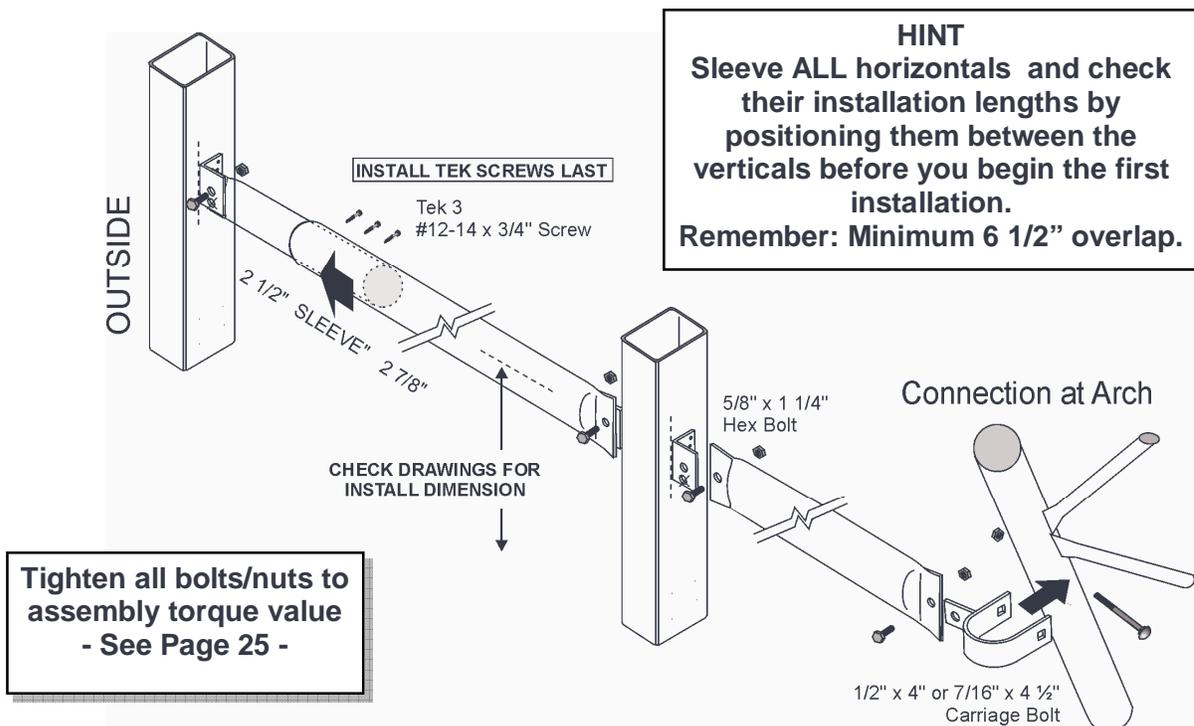
INSTALL HORIZONTAL BRACKETS



STEP 10

INSTALL HORIZONTALS

Sleeve 2 1/2" and 2 7/8" pipe together to make horizontals to fit between the verticals. ALWAYS maintain a MINIMUM of 6 1/2" overlap in the sleeve.



STEP 11

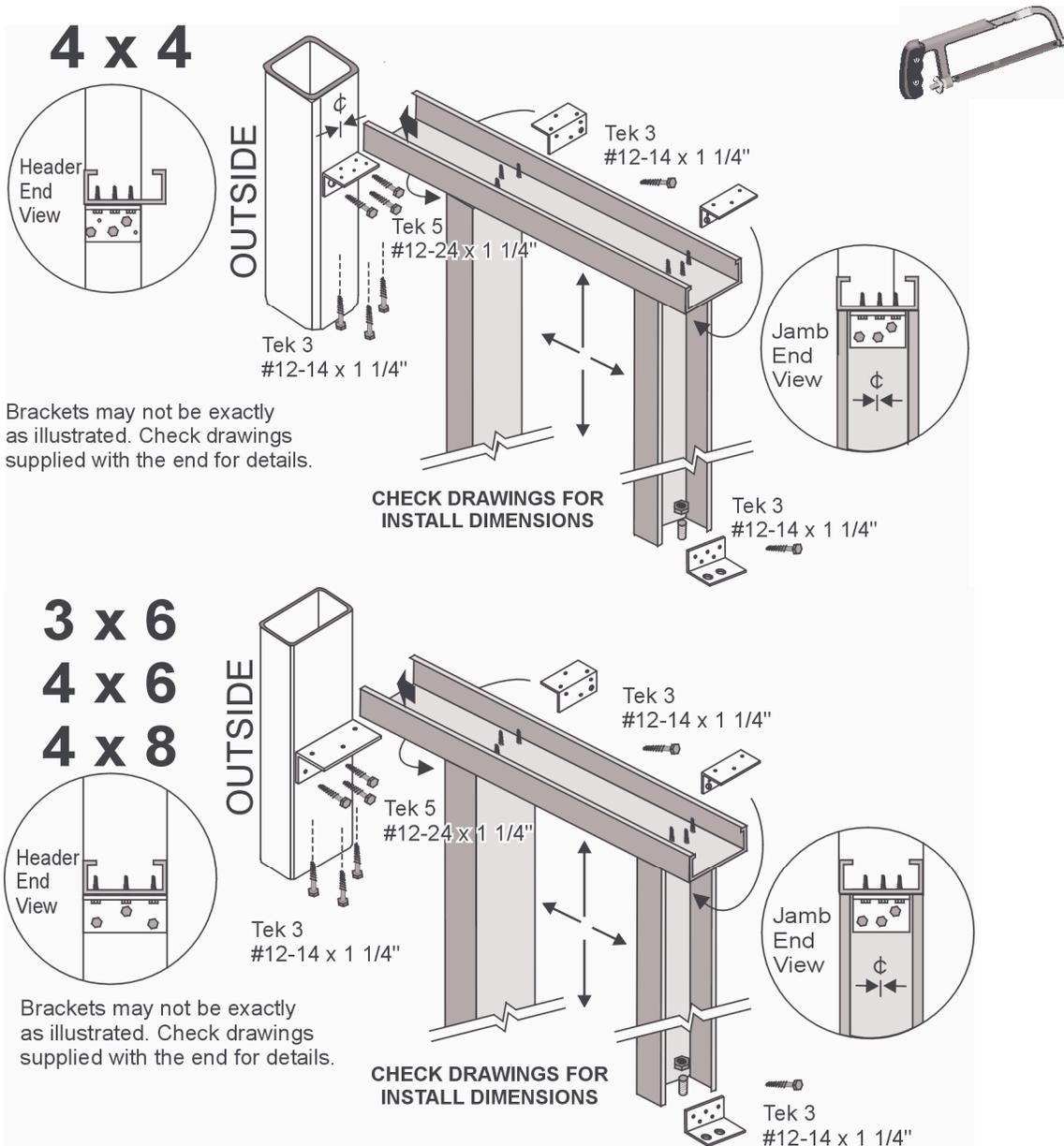
INSTALL PERSONNEL DOOR FRAMES

If your building end wall requires personnel door framing install the door header and jambs at this time.

If you are installing factory supplied door framing see the Engineered drawings that come with the end for installation dimensions.

DO NOT RELOCATE END WALL VERTICALS OR HORIZONTALS TO ACCOMMODATE A DOOR OPENING UNLESS INDICATED IN DRAWINGS.

Factory supplied framing is not pre-cut to installation size. Cut to fit as required.



CUSTOM ENDS - USE THE INSTALLATION DIMENSIONS IN THE SUPPLIED DRAWINGS

IMPORTANT - INSTALL COVER BEFORE PROCEEDING

Wind damage can occur if end panels are installed before the cover.
Install the upwind end panel first. Always install both end panels the same day.

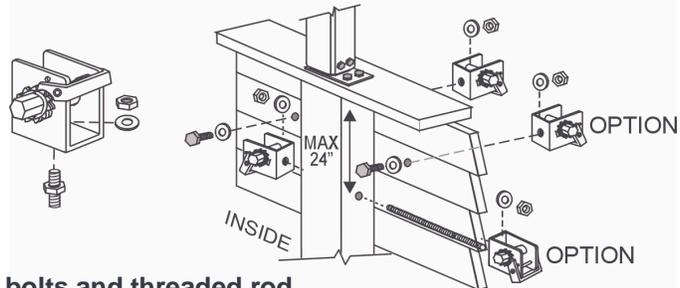
STEP 12

INSTALL LASHING WINCHES

Anchor bolts are determined by the foundation design and construction material. Consult a foundation engineer for the appropriate anchors for your application.

The maximum diameter anchor bolt size for the steel bases and brackets is 5/8".

The maximum diameter bolt for mounting a lashing winch is 5/8".



Anchor bolts and threaded rod hardware are not supplied

STEP 13

INSTALL FABRIC END PANEL

Release the end flap cables and flip the end flap over the top of the building to access the end arch.

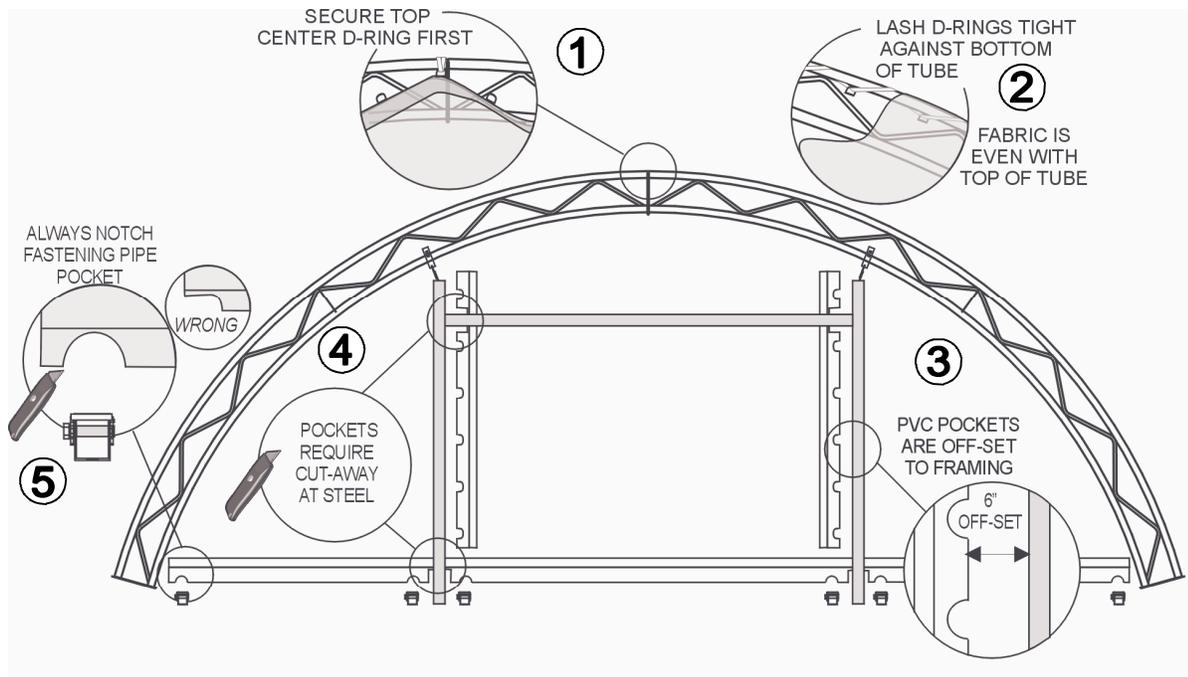
Check the installed frames for jagged or sharp edges that may damage the end panel.
Grind and/or file smooth.

1. Suspend the end panel from the upper truss tube with the top center D-ring.
2. Lace the D-rings to the bottom of the truss tube. The outside perimeter of the panel should be even with the top of the truss tube. Keep the fabric panel flat and wrinkle free.
3. The PVC pockets align 6" offset to the verticals.
4. Cut-away pipe pockets.
5. Notch the pipe pockets at the lashing winches.
6. Install fastening pipes. Fastening pipes are supplied in factory cut lengths. Cut to fit with 1" clearance each end.
7. Install lashing straps and add light tension to the fastening pipes.

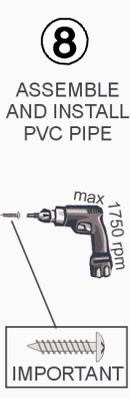
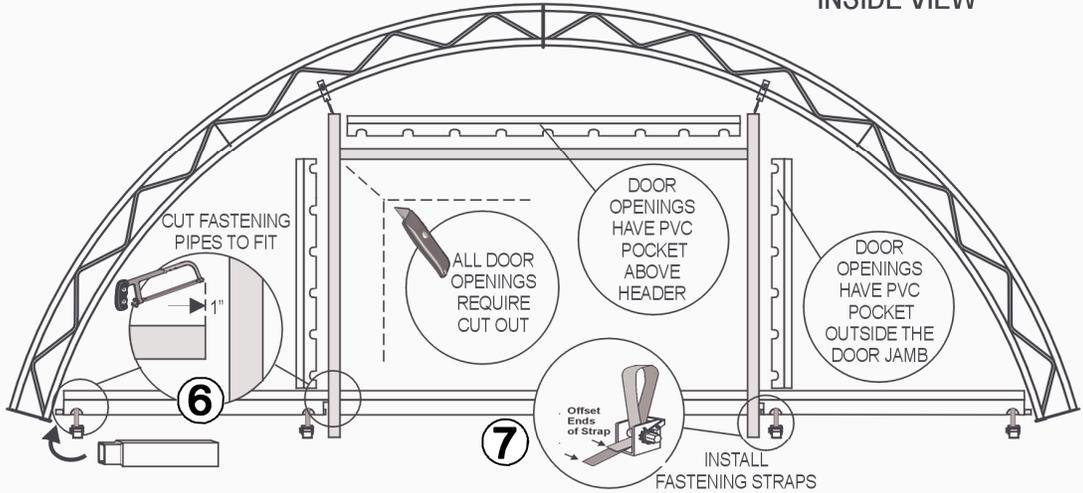
CHECK PERIMETER D-RING LACING NOW - ADJUST TO REMOVE CREASES AND WRINKLES.

8. Assemble and install the PVC pipe. Glue sections of PVC pipe together and/or cut to length as required.
IMPORTANT - ALWAYS install a screw (not supplied) at every connection. PVC glue loses adhesive qualities when applied in cold weather and in damp and humid conditions.
9. INSTALL 3/4" TEK 3 screws to hold the PVC in the pockets. This prevents the PVC from falling out if the panel tension relaxes and assists during panel lashing.
10. Lace the PVC to the frame using 1" belting.

IMPORTANT - DO NOT place PVC over or under the steel frame. Assemble and/or cut PVC to fit between the steel frame.



INSIDE VIEW



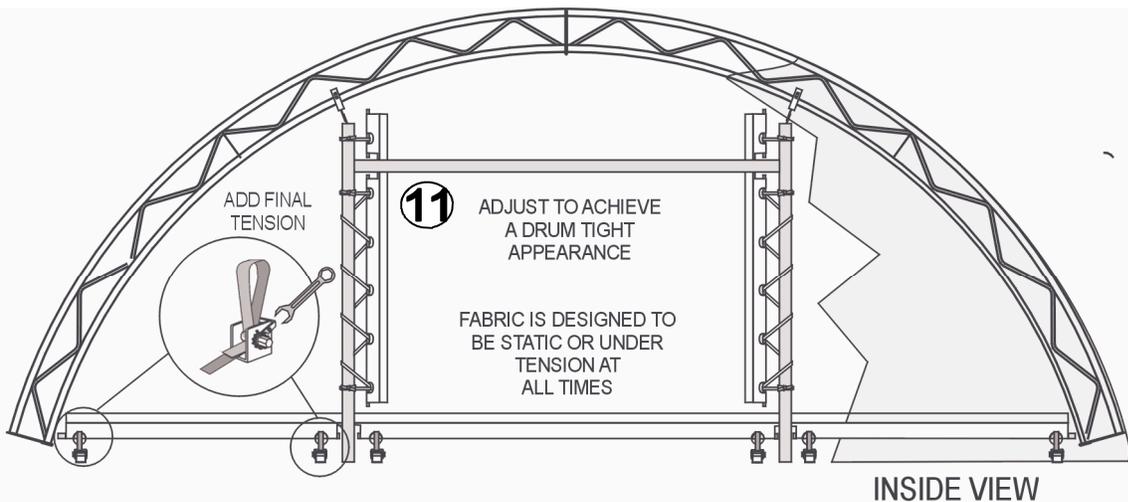
HINT
TENSION PANEL USING RATCHETS AND STRAPS
REMOVE RATCHETS WHEN BELTING IS COMPLETED

11. Add final tension to the lashing winches. Adjust to achieve a drum tight appearance. **DO NOT OVERTIGHTEN** - less tension is required than on the cover lashing winches.

IF THE DOOR OPENING WILL HAVE AN OPERATING DOOR, INSTALL DIMENSIONAL LUMBER JAMBS AND HEADERS NOW.

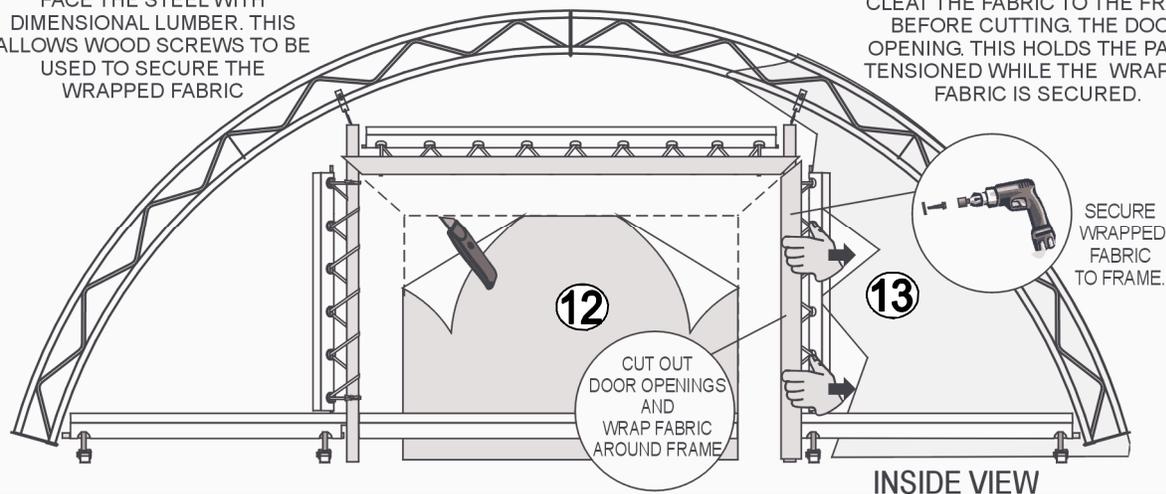
DO NOT INSTALL DOOR HARDWARE UNTIL END PANEL INSTALLATION IS COMPLETE.

12. Cut out door openings.
13. Tension and secure the wrapped fabric.



FINISHING HINT
FACE THE STEEL WITH DIMENSIONAL LUMBER. THIS ALLOWS WOOD SCREWS TO BE USED TO SECURE THE WRAPPED FABRIC

FINISHING HINT
CLEAT THE FABRIC TO THE FRAME BEFORE CUTTING THE DOOR OPENING. THIS HOLDS THE PANEL TENSIONED WHILE THE WRAPPED FABRIC IS SECURED.



CLEATING AND HARDWARE TO SECURE THE WRAPPED FABRIC IS NOT SUPPLIED.

STEP 14

SECURE LASHING STRAPS

1. Secure the lashing straps to the fastening pipe by using pipe clips or fender washers and 1/4"-14 x 3/4" Tek 3 self-drilling screws. Install the screws **through the fastening strap** into the fastening pipe.



NOTE: *Failure to secure the corner fastening straps to the pipe could result in possible damage to the panel.*

STEP 15

SECURE THE APRON

ALWAYS SECURE THE APRON

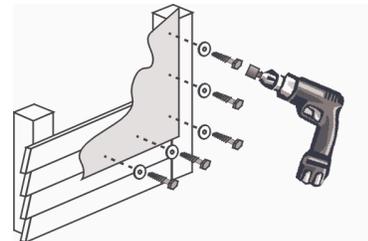
The fabric is designed to be under tension at all times.

GROUND

Use dimensional lumber to attach the apron to the frame or foundation.
Or back fill the apron at the foundation.

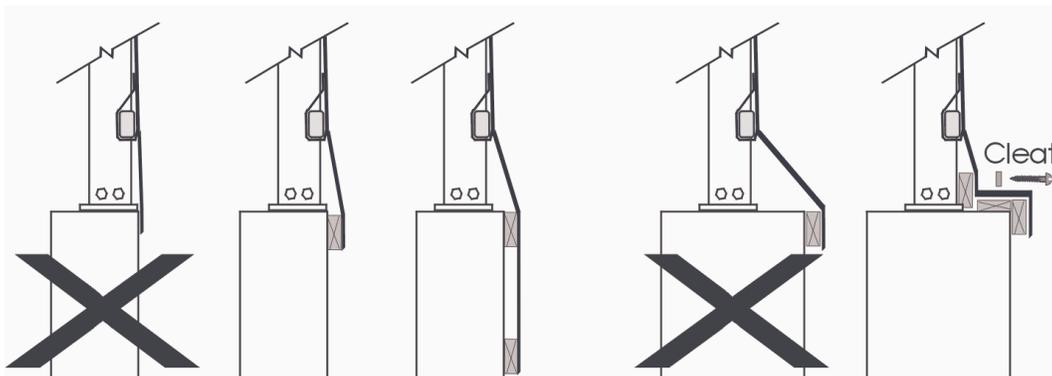
WALL

Cleat or fasten the apron securely.
Apron fastening hardware is not supplied.



CONCRETE

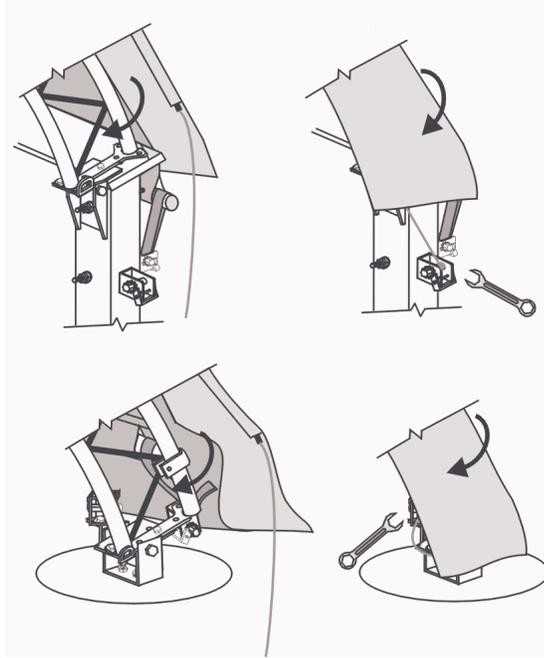
Never install fabric over concrete edges.
Always install a dimensional lumber buffer or equivalent.



STEP 16**RE-INSTALL THE END FLAP CABLES**

1. Replace the end flap over the outside arch and tighten the end flap ratchets or winches.
2. Tighten both sides of the end flaps evenly until all of the slack in the flap is gone.

It may be necessary to repeat the tightening procedure several times.

**STEP 17****READ MAINTENANCE SCHEDULE Page 2****STEP 18****COMPLETE WARRANTY REGISTRATION**

Code 15c5e

LIMITED WARRANTY
DURAWEAVE® AND
DURAWEAVE® FR (“FIRE
RETARDANT”)



1. Scope of Limited Warranty

Only the DURAWEAVE® and DURAWEAVE® FR membrane cover, membrane end enclosure and door membrane portion of the Cover-All™ building described in this agreement are warranted to the original Customer/Purchaser against deterioration that hampers the effectiveness of the cover caused by UV rays, hail and to be free of defects in materials and workmanship under normal use. This warranty shall be effective only if and when a) Cover-All™ Building Systems has received a completed warranty registration within 60 days after installation of the Cover-All™ building; and b) Cover-All™ Building Systems receives notice of such defect during the period of the warranty. Replacement of the cover and/or membrane end enclosure and/or door membrane portion or any components thereof (the “Warranted Parts”), supplied under this warranty may be new, used or repaired, at the option of Cover-All™ Building Systems. The Customer’s Purchaser’s sole remedy shall be such repair or replacement as is expressly provided above. Any Warranted Parts of the Cover-All™ building repaired or replaced under this warranty are subsequently warranted only for the remaining unexpired portion of the warranty period applicable to the original product. If Cover-All™ Building Systems elects to repair or replace the defective product or component, Cover-All™ Building Systems shall have a reasonable time to do so.

DURAWEAVE® Main Building Cover Warranty

The DURAWEAVE® cover is warranted, under normal use and maintenance in accordance to the installation instructions, to the original Customer/Purchaser for a period of 15 years following the original date of purchase. In the event that the DURAWEAVE® cover needs to be replaced, the Customer/Purchaser would be held responsible for the cost at 1/15 or 6.66% of the current retail price for each year following the original date of purchase. In the event that the DURAWEAVE® cover needs to be repaired, the cost of the repair will be prorated by Cover-All™ Building Systems. A cover repaired under this warranty is subsequently warranted for only the unexpired portion of the original warranty period. The replacement cover, if required, will be made available at the nearest authorized Cover-All™ Building Systems Dealer.

DURAWEAVE® FR (“Fire Retardant”) Main Building Cover Warranty

The DURAWEAVE® FR cover is warranted, under normal use and maintenance in accordance to the installation instructions, to the original Customer/Purchaser for a period of 10 years following the original date of purchase. In the event that the DURAWEAVE® FR cover needs to be replaced, the Customer/Purchaser would be held responsible for the cost at 1/10 or 10% of the current retail price for each year following the original date of purchase. In the event that the DURAWEAVE® FR cover needs to be repaired, the cost of the repair will be prorated by Cover-All™ Building Systems. A cover repaired under this warranty is subsequently warranted for only the unexpired portion of the original warranty period. The replacement cover, if required, will be made available at the nearest authorized Cover-All™ Building Systems Dealer.

DURAWEAVE® and DURAWEAVE® FR (“Fire Retardant”) End Enclosure Warranty

The DURAWEAVE® and DURAWEAVE® FR membrane end enclosure is warranted, under normal use and maintenance in accordance with the installation instructions, to the original Customer/Purchaser for a period of 5 years following the original date of purchase. Should the end enclosure be found to have manufacturer defects, the defect(s) will be, at the option of Cover-All™ Building Systems, repaired or replaced. The Customer/Purchaser shall be responsible for 1/5 or 20% of the repair or replacement costs per year of use plus the cost of delivery of the Warranted Parts to the Customer/Purchaser. The Warranted Parts, if required, will be made available at the nearest authorized Cover-All™ Building Systems dealer.

DURAWEAVE® and DURAWEAVE® FR (“Fire Retardant”) Door Warranty

The DURAWEAVE® and DURAWEAVE® FR door membrane is warranted, under normal use and maintenance in accordance with the installation instructions, to the original Customer/Purchaser for a period of 1 year following the original date of purchase. Should the door membrane be found to have manufacturer defects, the defect(s) will be, at the option of Cover-All™ Building Systems, repaired or replaced, at no cost to the Customer/Purchaser except for delivery costs of the Warranted Parts to the Customer/Purchaser which shall be the sole responsibility of the Customer/Purchaser. The warranted parts, if required, will be made available at the nearest authorized Cover-All™ Building Systems Dealer.

This warranty contains the sole expressed warranty of Cover-All™ Building Systems. There are no other warranties, expressed or implied. This warranty is made in lieu of any implied warranties of merchantability or fitness for a particular purpose. Specifications and warranties are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.

2. Limits and Release of Liability

This warranty does not apply to defects or damage resulting from a) installation that is improper and/or not in accordance with the installation instructions; b) improper or inadequate maintenance; c) modification or alteration of the product; d) neglect, misuse or abuse of product; e) accident; f) unauthorized repair or alteration; g) integration with other products or accessories not manufactured specifically for use with the Cover-All™ building; h) exposure to corrosive elements; i) exposure to conditions in excess, or not meeting, as the case may be, the wind and snow load specifications of each building model (check with our engineering dept.); j) foundation design and/or installation and/or deficiency in the foundation; k) product upgrades; l) product recall; or m) an act of God. This warranty shall not apply to any products not manufactured by Cover-All™ Building Systems. No one is authorized to change or add to this warranty. Cover-All™ Building Systems shall not be liable for any damages incurred during or as a result of installation of Cover-All™ Building Systems’ product, whether or not in accordance with the installation instructions. This warranty gives you specific legal rights. You may also have other rights which vary from jurisdiction to jurisdiction. In no event shall Cover-All™ Building Systems, any distributor, or the selling dealer be liable for any direct, indirect, special incidental or consequential damages (including loss of profits, loss of time, inconvenience, or the use or inability to use this product for any purpose whatsoever), whether based on contract, tort, strict liability or any other legal basis; even if Cover-All™ Building Systems, its distributor, or selling dealer was advised of the possibility of the occurrence of such damages. The Customer/Purchaser expressly releases and discharges Cover-All™ Building Systems, all distributors, and all dealers from all claims, demands, actions, suits, judgments and executions for any actual, incidental or consequential damages, bodily or otherwise, that the Customer/Purchaser ever had, now has, or may have created by arising out of the assembly, erection, use and/or operation of any Cover-All™ building. All references to Customer’s/Purchaser’s, Cover-All™ Building Systems, all distributors and all dealers, include such parties’ spouse, heirs, successors, legal representatives and assigns.

03/04

Code 15s5e

LIMITED WARRANTY STEEL



1. Scope of Limited Warranty

Only the steel framework, end support systems and door tubes and steel fabricated parts of the Cover-All™ building described in this agreement are warranted to the original Customer/Purchaser to be free of defects in materials and workmanship under normal use. This warranty shall be effective only if and when a) Cover-All™ Building Systems has received a completed warranty registration within 60 days after installation of the Cover-All™ building; and b) Cover-All™ Building Systems receives notice of such defect during the period of the warranty. Replacement framework or any components thereof (the "Warranted Parts"), supplied under this warranty may be new, used or rebuilt, at the option of Cover-All™ Building Systems. The Customer's/Purchaser's sole remedy shall be such repair or replacement as is expressly provided above. Any Warranted Parts of the Cover-All™ building repaired or replaced under this warranty are subsequently warranted only for the remaining unexpired portion of the warranty period applicable to the original product. If Cover-All™ Building Systems elects to repair or replace the defective product or component, Cover-All™ Building Systems shall have a reasonable time to do so.

Steel Framework

The steel arches and purlins and steel fabricated parts are warranted, under normal use and maintenance in accordance with the installation instructions to the original Customer/Purchaser for a period of 15 years following the original date of purchase. Should the arches or purlins or steel fabricated parts be found to have manufacturer defects, the defect(s) will be, at the option of Cover-All™ Building Systems, repaired or replaced. The Customer/Purchaser shall be responsible for 1/15 or 6.66% per year use of the repair or replacement costs plus the cost of delivery of the Warranted Parts to the Customer/Purchaser. The Warranted Parts, if required, will be made available at the nearest authorized Cover-All™ Building Systems dealer.

End Support System

The steel End Support System is warranted, under normal use and maintenance in accordance with the installation instructions, to the original Customer/Purchaser for a period of 5 years following the original date of purchase. Should the end support system be found to have manufacturer defects, the defect(s) will be, at the option of Cover-All™ Building Systems, repaired or replaced. The Customer/Purchaser shall be responsible for 1/5 or 20% of the repair or replacement costs per year of use plus the cost of delivery of the Warranted Parts to the Customer/Purchaser. The Warranted Parts, if required, will be made available at the nearest authorized Cover-All™ Building Systems dealer.

Doors

The door tubes and steel fabricated door parts are warranted, under normal use and maintenance in accordance with the installation instructions, to the original Customer/Purchaser for a period of 1 year following the original date of purchase. Should the steel components of the doors be found to have manufacturer defects within the first year following purchase by the Customer/Purchaser, the defect(s) will be, at the option of Cover-All™ Building Systems, repaired or replaced at no cost to the Customer/Purchaser except for delivery costs of the Warranted Parts to the Customer/Purchaser which shall be the sole responsibility of the Customer/Purchaser. The warranted parts, if required, will be made available at the nearest authorized Cover-All™ Building Systems Dealer.

OEM Parts

The parts made and supplied by other manufacturers for use in Cover-All™ buildings are limited to the OEM manufacturer's warranty.

This warranty contains the sole expressed warranty of Cover-All™ Building Systems. There are no other warranties expressed or implied. This warranty is made in lieu of any implied warranties of merchantability or fitness for a particular purpose. Specifications and warranties are applicable to units sold in Canada, the United States, its territories and possessions and may vary outside these areas.

2. Limits and Release of Liability

This warranty does not apply to defects or damage resulting from a) installation that is improper and/or not in accordance with the installation instructions; b) improper or inadequate maintenance; c) modification or alteration of the product; d) neglect, misuse or abuse of product; e) accident; f) unauthorized repair or alteration; g) integration with other products or accessories not manufactured specifically for use with the Cover-All™ building; h) exposure to corrosive elements; i) exposure to conditions in excess, or not meeting, as the case may be, the wind and snow load specifications of each building model (check with our engineering dept.); j) foundation design and/or installation and/or deficiency in the foundation; k) product upgrades; l) product recall; or m) an act of God. This warranty shall not apply to any products not manufactured by Cover-All™ Building Systems. No one is authorized to change or add to this warranty. Cover-All™ Building Systems shall not be liable for any damages incurred during or as a result of installation of Cover-All™ Building Systems' product, whether or not in accordance with the installation instructions. This warranty gives you specific legal rights. You may also have other rights which vary from jurisdiction to jurisdiction. In no event shall Cover-All™ Building Systems, any distributor, or the selling dealer be liable for any direct, indirect, special incidental or consequential damages (including loss of profits, loss of time, inconvenience, or the use or inability to use this product for any purpose whatsoever), whether based on contract, tort, strict liability or any other legal basis; even if Cover-All™ Building Systems, its distributor, or selling dealer was advised of the possibility of the occurrence of such damages. The Customer/Purchaser expressly releases and discharges Cover-All™ Building Systems, all distributors, and all dealers from all claims, demands, actions, suits, judgments and executions for any actual, incidental or consequential damages, bodily or otherwise, that the Customer/Purchaser ever had, now has, or may have created by arising out of the assembly, erection, use and/or operation of any Cover-All™ building. All references to Customer's/Purchaser's, Cover-All™ Building Systems, all distributors and all dealers, include such parties' spouse, heirs, successors, legal representatives and assigns.

03/04

Limited Warranty

The LIMITED WARRANTY, DURAWEAWE® and DURAWEAWE® FR ("FIRE RETARDANT") - Code: 15c5e (previous page) applies to buildings with factory manufactured and supplied steel end systems and Engineered and stamped end wall systems only. Fabric end panels on all other end wall frame systems are warranted, under normal use and maintenance in accordance with the installation instructions, to the original Customer/Purchaser for a period of 3 years following the original date of purchase as per LIMITED WARRANTY, DURAWEAWE® and DURAWEAWE® FR ("FIRE RETARDANT") - Code: 15c3e. Contact your local Dealer or Agent for details.

Maintenance Recommendations For Buildings in Corrosive Environments

BUILDING STEEL

Cover-All® manufactured steel components are hot dipped galvanized, hot zinc plated or coated with a high quality sealant. *It is recommended that the building owner/operator:*

- Prevent corrosive material or product from resting against or covering the building steel.
- Remove any environmental residue that accumulates on the building steel.
- Seal all surface penetration marks with a high quality sealant or a high zinc content paint.

BUILDING HARDWARE

Hardware components are made of galvanized steel or aluminum alloy; are zinc plated with an added leachant-sealant; or are zinc or cadmium plated. *It is recommended that the building owner/operator:*

- Prevent corrosive material or product from coming in direct contact with the building hardware.
- Remove any environmental residue that accumulates on the building hardware.
- Seal or protect from corrosion any non-building components that are connected to, or that come in contact with, the building hardware.

ANCHOR BOLTS *It is recommended that the building owner/operator:*

- Seal the exposed anchor bolt threads with a high quality sealant or a high zinc content paint.

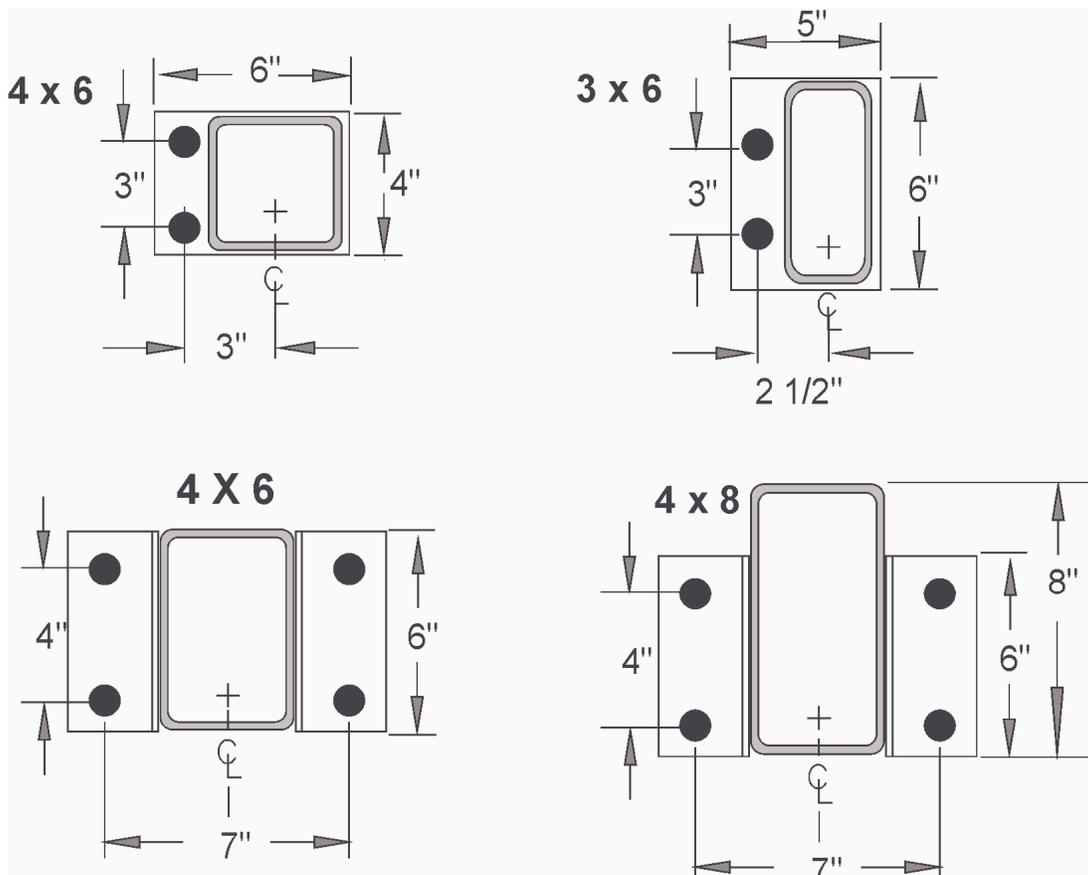
FABRIC LASHING WINCHES *It is recommended that the building owner/operator:*

- Spray the lashing winches with a moisture displacing filming lubricant. (WD40 or equivalent)

DURAWEAWE™ FABRIC *It is recommended that the building owner/operator:*

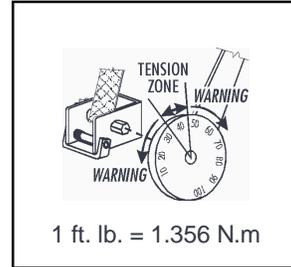
- Prevent corrosive material or product from resting against or covering the building fabric.
- Remove any environmental residue that accumulates on the building fabric.
- Where moisture will not contribute to corrosion – wash with water and non-abrasive soap.

TEMPLATES

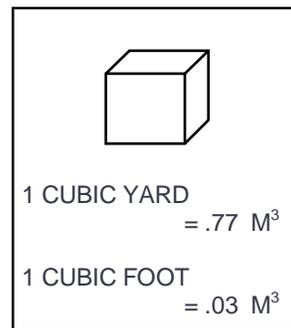


CONVERSIONS

INCHES				MILLIMETERS
1/32"				1.6
2/32	1/16"			1.6
3/32				
4/32	2/16	1/8"		3.2
5/32				
6/32	3/16"			4.8
7/32				
8/32	4/16	2/8	1/4"	6.4
	5/16			
	6/16	3/8"		9.5
	7/16			
	8/16	4/8	2/4	12.7
	9/16			
	10/16	5/8"		15.9
	11/16			
	12/16	6/8	3/4"	19.0
	13/16			
	14/16	7/8"		22.2
	15/16			
	16/16	8/8	4/4	25.4
			2/2	1"



FEET	METERS
1'	.305
2	.610
3	.914
4	1.219
5	1.524
6	1.829
7	2.134
8	2.438
9	2.743
10	3.048
25	7.620
30	9.144
35	10.668
40	12.192
45	13.716
50	15.240
60	18.288
70	21.336
80	24.384
90	27.432
100'	30.480



ASSEMBLY TORQUE VALUES

SUGGESTED ASSEMBLY TORQUE VALUES FOR STRUCTURAL BOLTS				
SIZE DIA (INCH)	THREADS PER INCH	GRADE 5 ft - lbs		
		DRY	WET*	
3/8	16	30	23	
7/16	14	50	35	
1/2	13	75	55	
5/8	11	150	110	
3/4	10	260	200	
1 1/4	7	1120	840	

* Lubricant

Maintenance Record

Date Purchased _____ End # _____ Building _____

Dealer Name _____ Representative _____

Foundation Contractor _____ Installer Contractor _____

Quarterly Maintenance Date:

_____ Notes: _____

BUILDING ENDWALLS

AN IMPORTANT MESSAGE FOR INSTALLERS AND OWNERS

FABRIC END WALLS must be supported by a framework that is constructed to meet wind load ratings and building safety standards.

If you are constructing a framework for Cover-All supplied fabric end panels the framework MUST BE DESIGNED to match the fastening system of the fabric end panel and must be constructed to meet wind load ratings and building safety standards.

Failure to comply with the above can result in damage to the building and will void fabric end panel warranty.

Contact a structural engineer or your Cover-All representative for details.

DISCLAIMER

This manual contains the most current details and instructions for a safe and proper installation of the building product at the time of its issue.

This manual is designated as a DRAFT version in compliance with Cover-All Building Systems' document management system and will display this disclaimer until such time that all document approval criteria are met.

FOR TECHNICAL ASSISTANCE CALL YOUR LOCAL DEALER OR SALES REPRESENTATIVE OR 1-800-268-3768



WELDING
CERTIFICATION
For Fusion Welding
Of Steel Structures



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www.coverall.net

Printed in Canada

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