

# DREMCOR

✓ **SELECT** SERIES  
FRAME SUPPORTED TENTS

## *20' x 20' Select Series frame tent (single piece) top instruction and owner's manual*



**Important: Read this manual before installation or use of this product. Failure to do so can result in serious personal injury or damage to the product. RETAIN THIS MANUAL!!**

### **Notice to all installers and users**

The following instruction manual is provided as a guide to installers and users. The situations and conditions described in this manual cannot represent all situations that may be encountered during the installation or dismantling process. The use of common sense, good judgment, and safe practices must be followed to prevent personal injury and damage to the product.

### **Equipment/manpower for installation**

- \*Ground cloth, sledge hammer or breaker hammer fitted with stake driver bit, and stake puller.
- \*A minimum of (2) adults are required for installation.

### **Tent occupancy guidelines**

- \*Sit down dinner (round tables) = 40
- \*Cathedral (row) seating = 64
- \*Stand up / cocktail style = 80

## Contents of this manual

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## Personal safety

Personal safety must be practiced during the installation process to avoid injury to yourself and others. The following practices must be adhered to during installation and dismantling.

**\*Stay alert:** Be aware of surroundings at all times; never use drugs, alcohol or other foreign substances during installation or dismantling.

**\*Wear the proper safety attire:** hard hat, gloves, steel toed shoes, safety glasses, and hearing protection are required.

**\*Dress appropriately:** remove jewelry; do not wear loose clothing; keep long hair away from power equipment and other dangerous areas.

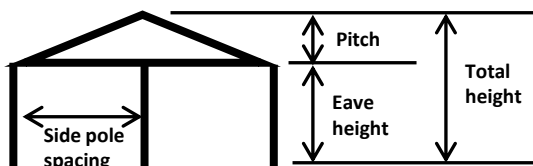
**\*Use proper lifting procedures:** use legs for lifting, do not lift heavy items alone

**\*Maintain balance:** do not over reach, maintain footing at all times

## 20' x 20' Select Series frame tent specification sheet

Feature	Specification	Note
Style / Series	Traditional / Select Series	West Coast style
Width	20 ft / 6.1 m	
Length	20 ft / 6.1 m	
Total height	12 ft / 3.65 m	If using standard 7 ft side poles
Eave height	7 ft / 2.13 m	See diagram below
Pitch	5 ft / 1.52 m	See diagram below
Area	400 sq ft / 37.2 sq meters	
Expandable	No	<b>Tent top is 1 piece</b>
Side pole spacing	10 ft / 3 m	
Number of side poles / legs	8	Single piece poles
Number of center poles	None	
Pole diameter / (thickness)	2" / (1/8")	
Pole material	Anodized aluminum	All poles are round
Fitting material	1.66" diameter structural steel	Fittings are welded and coated
Fabric weight	16 ounces/ yd <sup>2</sup> = 540 gsm	gsm = grams per square meter
Fabric type	PVC coated polyester	Blockout (non translucent)
Sidewall rope installed	yes	Can be replaced
Flame & UV resistant	yes	Meets NFPA 701 flame retardant requirements
Mold & mildew resistant	yes	
Water repellent / resistant	yes	Seams are heat sealed
Longest component	14'4" / 4.4 m	
Total tent weight with <u>aluminum poles</u>	445 lbs / 201 kg	With 7' side poles






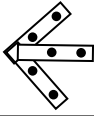

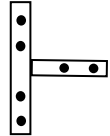

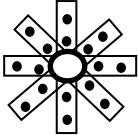

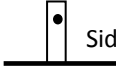

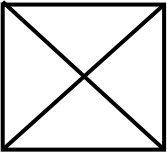


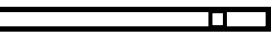




Diagram is representation and not to scale



*\*8' long side poles available*

*\*sidewalls purchased separately*

## 20' x 20' WC frame tent hardware (what's included)

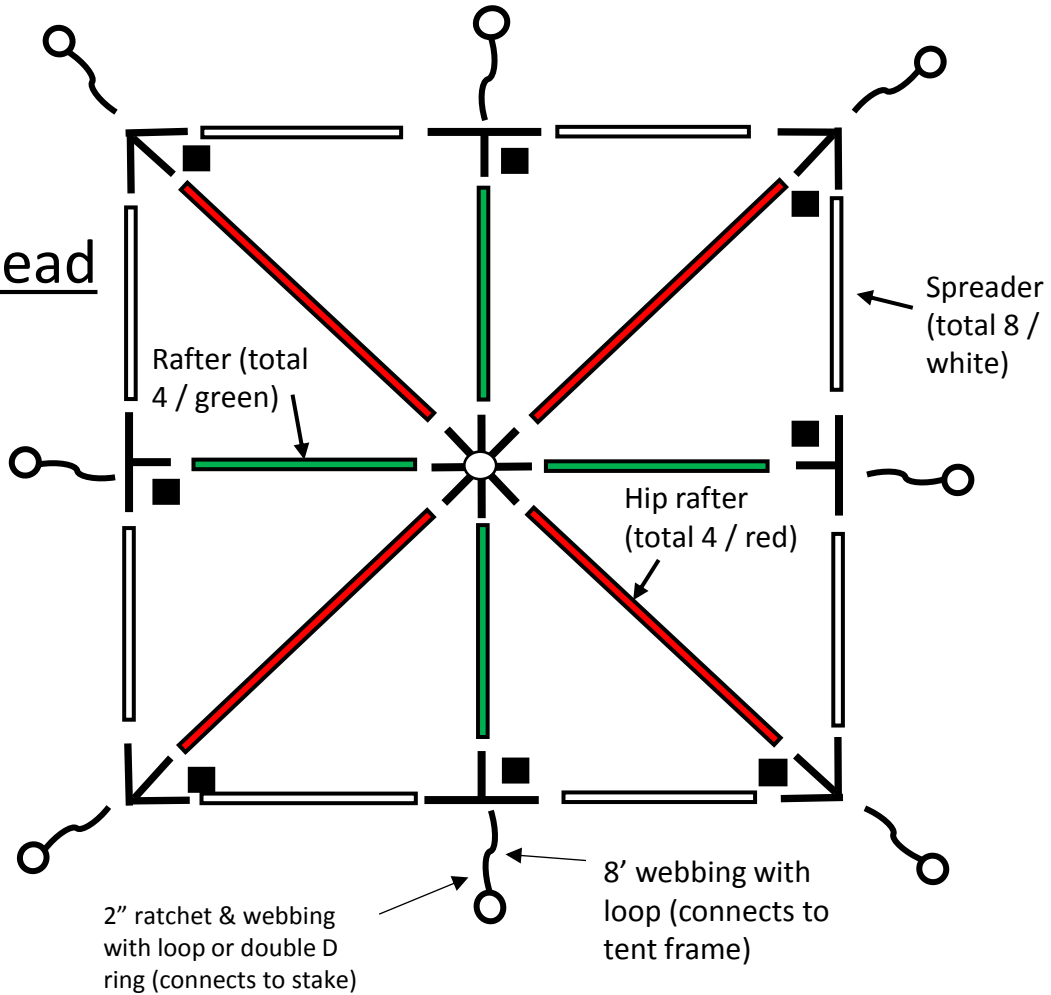
Symbol	Item	Length/color	Quantity	Diagram/description
	Side poles / legs	6'8" (brown) or 7'8" long (black)	8	 Anodized aluminum pole with predrilled holes
	Spreader	9'4" / white	8	 Anodized aluminum pole with predrilled holes
	Rafter	10'6" / green	4	 Anodized aluminum pole with predrilled holes
	Hip rafter	14'4" / red	4	 Anodized aluminum pole with predrilled holes
	Corner fitting (galvanized structural steel)		4	 Top view
	Side tee (galvanized structural steel)		4	 Top view
	8 way crown (galvanized structural steel)		1	 Top view
	Base plate (galvanized)		8	 Side view  Top view
NA	Tent top		1	 Top view
	2" ratchet & webbing assembly	5' ratchet w/ strap 8' strap with loop	8	Ratchet buckle   Optional double D ring on stake end 
	stake	40" double head	8	
NA	R pin	NA	56	 Bolts or snap pins may be used
NA	Tent top storage bag	NA	1	

Sidewalls are not included and must be purchased separately  
See following page for frame and stake layout

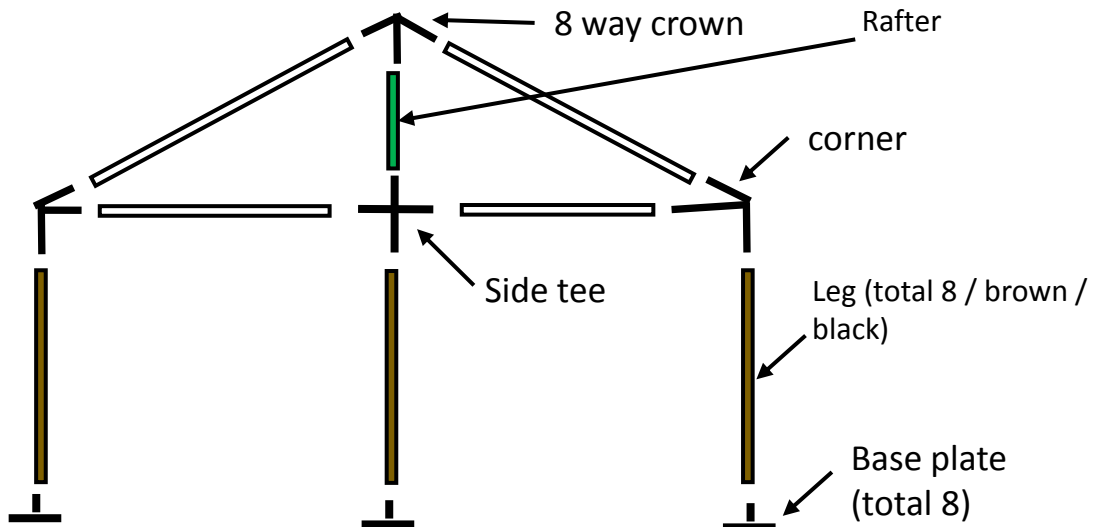
## Frame and stake layout

The diagrams below represent the component layout locations

### Overhead view



### Side view



R pins (not noted in diagram) fasten the fittings to the pipes.

Weather conditions cannot be predicted and can change rapidly. The installer must use good judgment, common sense and have knowledge of the current and future weather conditions. Be aware of the following weather conditions:

**\*Rain** – Rain can cause water to collect in areas on the tent top. This added weight can cause damage to the fabric. Ground moisture can also cause the frame to sink in addition to the stakes losing holding force.

**\*Wind** – Do not install the tent in heavy wind conditions as it may cause damage to the top and frame. Wind can also cause an existing installed tent to lose tension in all areas.

**\*Lighting** – Do not install a tent in conditions where lightning can occur; All tent installers and occupants must evacuate until lightning has ceased.

**\*Snow/hail/ice** – Tents and shelters are not designed as permanent structures and cannot withstand the weight of snow/hail/ice loading. These products must NOT be installed in these conditions.

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## Installation site

The installation site is of the utmost importance. The installer must be aware of local building codes and fire regulations. The installer must also examine the installation site for the proper anchoring methods. The following must be verified to assure proper installation and prevent damage to the product.

**\*Underground utilities** – Always contact local utility companies prior to installation. Gas, electrical, cable, sewer, water, oil, and septic line presence must be verified.

**\*Overhead utilities/obstructions** – Always confirm if overhead utilities or obstructions can cause personal injury or damage to the product during installation.

**\*Soil conditions** – The soil conditions must be adequate to allow for secure anchoring

**\*General site condition** – the site must be relatively flat, elevated and free of clutter and debris.

**\*Area / space** – the site must have sufficient space to allow for anchoring

**\*Accessibility** – the site must be accessible for event deliveries such as trucks, vehicles as applicable

**\*Evacuation / exit** – the site must have adequate evacuation routes in the event of emergency

### Installer responsibilities prior to staking and anchoring:

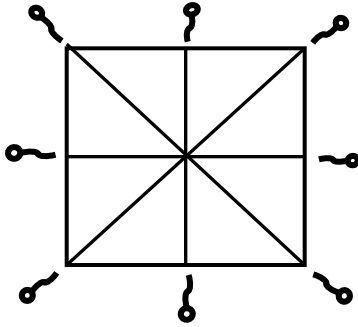
\*Assure that the canopy, tent, shelter, or structure is properly secured.

\*Contact all related underground utility “call before you dig” authorities prior to staking.

\*Note: Dremcor LLC assumes no responsibility for the method of installation that the installer chooses or the failure to contact the proper authorities as noted above. Each state, county, township or city may have unique temporary structure installation codes and requirements so it is important that the proper codes & requirements are followed. This manual may not recommend the correct quantity of stakes based on soil conditions at the installation site. It is the installer’s responsibility to install additional staking or tiebacks as needed.

## 20' wide frame tent anchoring guide

Diagram represents overhead view



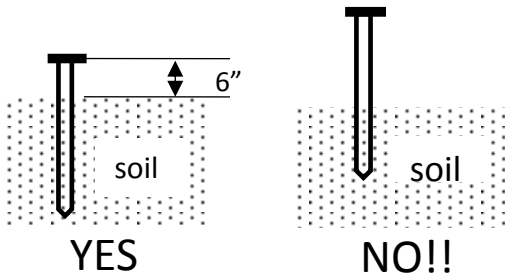
○ = stake

⤿ = ratchet / strap assembly

Tent size (W x L)	Minimum stake length (inches)	Number of stakes	Number of ratchet/ strap assemblies
20' x 20'	36"	8	8
20' x 30'	36"	10	10
20' x 40'	36"	12	12
20' x 50'	36"	14	14
20' x 60'	36"	16	16

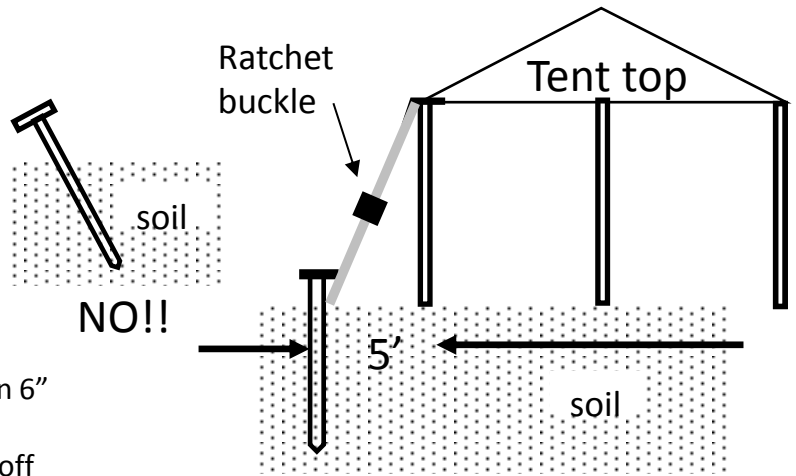
Above left diagram represents a 20' x 20' frame tent. Same condition applies to frame tents longer than 20'.

### Basic staking guide



\*Stakes must be vertical with no more than 6" above soil

\*Stakes cannot be more than 10 degrees "off center angle"



\*Stakes should be spaced approximately 5' from legs

Securing strap to the frame  
(see below)



8' long loop strap is "noose" wrapped around the frame at corners and side tees

Securing strap with ratchet to the stake  
(see below)



#1



#2

Option #1: Noose loop around stake

Option #2: Stake inserted to double D ring

Dremcor has both strap options available for purchase.

Double D ring option eliminates noose forming and chance of strap pulling over top of stake



Frame part layout

\*Layout the frame fittings and pipe in the location the tent will be installed. Use the frame layout overhead view diagram described earlier in this manual.

\*Place the 8 way crown in the center as noted. The 8 way crown has 4 extensions that will not contact the ground (if placed on a flat surface). These extensions MUST align with the 14'4" long hip rafters which are color coded red (see diagram below)

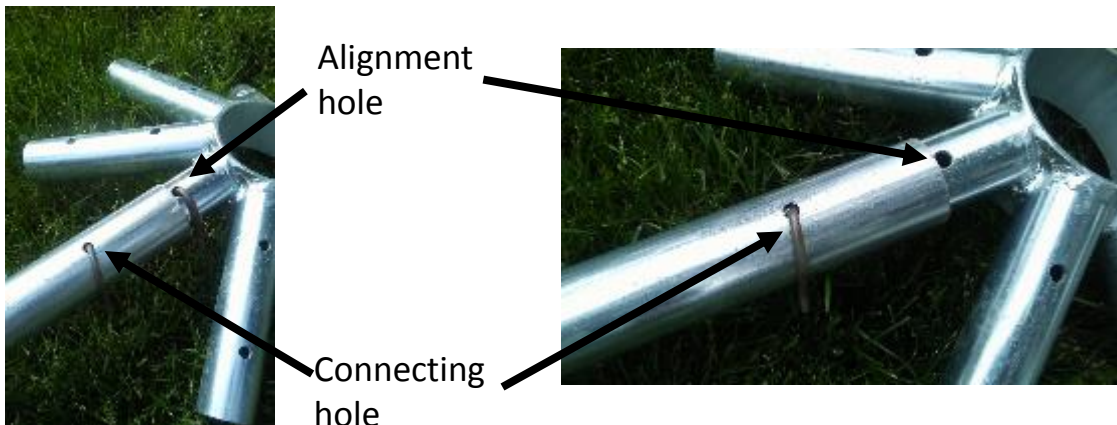


Touching (4 extensions)

Not touching (4 extensions)

\*Connect the hip rafter to the 8 way crown by placing the R pin in the alignment hole. The alignment hole is closest to the center of the 8 way crown. Slide the tube on the extension. The R pin alignment hole prevents the tube from sliding too far onto the extension.

\*Rotate the tube accordingly to locate the connecting hole and insert the R pin. Remove the alignment R pin and repeat these steps for the other (3) hip rafters (14'4" / red).



Alignment hole

Connecting hole

\*Assemble the remaining frame components in the order below using the same procedure noted above.

- \*Rafter (10'6" / green) to the 8 way crown (4 total)
- \*Hip rafters (14'4" / red) to the corner fittings (4 total)
- \*Rafters (10'6" / green) to the side tees (4 total)
- \*Spreader (9'4" / white) to the side tees (8 total)
- \*Spreader (9'4" / white) to the corner fittings (8 total)



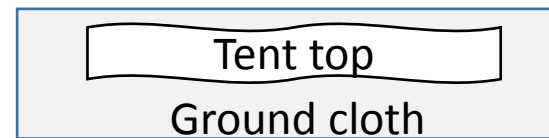
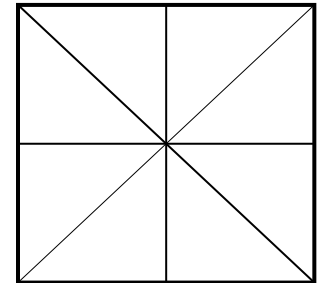
## Installation procedure (continued)

\*Fasten the 8' loop straps (strap without ratchet) to the corner and side tees at each leg location (see photo below of strap to corner attachment)



\*Roll out the ground cloth on the side of the assembled frame tent roof. The alligator clips must be facing downward. **DO NOT WALK ON THE TENT TOP.** The ground cloth must be larger than the tent top roof for protection (see diagram below)

Top view of assembled frame



### Installing tent top to frame

\*Pull the tent top over the frame. **BE SURE THE TENT TOP DOES NOT CATCH ON THE FRAME.** Occasional rapid "fluffing" the tent top aids this process.

\*Fasten the alligator clips loosely to the frame at each corner. Do not tighten the alligator clips (see below photo)

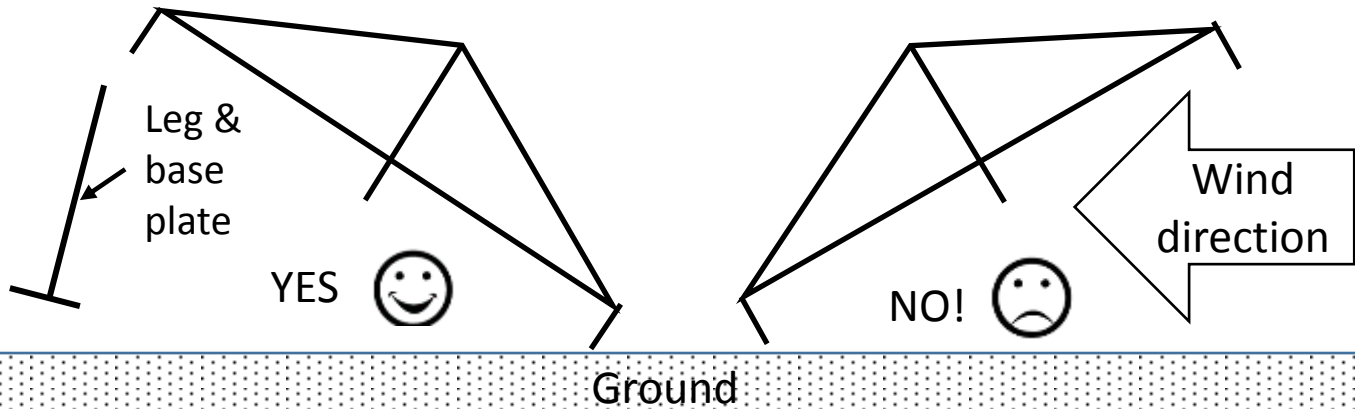
\*Attach the base plates to the legs (6'8" brown or 7'8" black) using the R pins (see below)



## Installation procedure (continued)

### Lifting the frame

\*In windy conditions, locate the direction of the wind. THIS PROCESS IS IMPORTANT TO PREVENT DAMAGE TO THE PRODUCT AND PERSONAL INJURY (see diagram below).



### Installing corner and side legs

\*Step on the base plate and lift one side of the frame. This process requires (2) people (one at each corner on a single side). DO NOT LIFT ONE CORNER AT A TIME.

\*Insert the corner fittings into the legs and fasten using the R pins. INSERT ALL PINS FROM THE OUTSIDE TO PREVENT DAMAGE TO THE TOP AND SIDEWALLS.

\*Loosely install the opposite corner alligator clips to the frame

\*Repeat the leg install steps to the opposite side of the tent and the side tees.

\*Center the tent top on the frame by hiding the seams. Note that this will require some adjusting of the alligator clips/straps.

## Installation procedure (continued)

### Anchoring/staking

- \*Place the stakes 5' from the outside perimeter of the tent (see the anchoring and staking section of this manual for stake positions)
- \*Drive the stakes into the ground vertically with no more than 6" remaining above the surface (see anchoring and staking page of this manual).
- \*Attach the ratchet with loop strap to the stake by turning the loop inside out and pulling the ratchet thru the loop over the stake head to create a noose and pull tight. The noose must not come off the head of the stake when pulling tight (see diagram below). Double D ring assemblies can also be used (see photo below).



OR



- \*For each of the ratchet assemblies, insert the 8' loop strap attached to the frame into the reel bar slot of the ratchet with loop assembly and tighten the ratchet slightly. Note the ratchet handle should be facing upward.
- \*Roll the excess strap into the ratchet or conceal the excess strap in another manner.

### Sidewall installation (optional accessory)

- \*Place a ground cloth on the inside of the tent and unroll the sidewalls on the ground cloth
- \*Fasten the sidewall snap hooks to the perimeter rope line

## Tent dismantling

- \*Remove the sidewalls (if applicable)
- \*If windy, confirm the wind direction and plan accordingly for dismantling
- \*Loosen ratchet assemblies and straps
- \*Remove the side legs (not the corner legs)
- \*Remove the R pins & corner legs from the down wind side of the tent and lower the frame gently to the ground
- \*Repeat the corner leg removal for the opposite side of the frame
- \*Loosen all alligator clips from the frame
- \*Place the ground cloth on one side of the frame
- \*Remove the tent top from the frame. BE CAREFUL NOT TO CATCH THE TENT TOP ON THE FRAME
- \*Fold and roll the tent top as tightly as possible to fit into the storage bag. DO NOT WALK ON THE TENT TOP.
- \*Place the tent top into the storage. DO NOT STORE THE TENT TOP IN THE BAG WHEN WET.
- \*Remove all R pins and slide the tubes off the fittings.

Dremcor provides high quality products that can last for many years of use. Failure to maintain and care for the tent top can result in premature wear and degradation. The following procedures are strongly recommended to maintain your product.

- \*Never place the tent top on rough surfaces such as gravel, asphalt, tree limbs, rocky soil, and concrete. These surfaces can cause pinholes. Always use a ground cloth during installation and disassembly.
- \*Clean your tent top regularly with a soft brush and neutral cleaners
- \*Never walk on the tent top as this can cause pinholes and damage.
- \*Never store tent tops when wet. This will promote mold and result in premature degradation of the fabric.
- \*Do not use harsh cleaners with contain bleach or solvents.
- \*Do not use excessively abrasive and intense cleaning methods such as power washers and wire brushes.

## **Warranty information**

Dremcor LLC warrants this product to be free from material and workmanship defects for a period of (1) year from the date of purchase. Warranty applies to the original purchaser only and is non transferable. All products are thoroughly inspected during the manufacturing process and prior to shipment. The following defects/conditions are NOT covered under warranty:

- \*Damage caused by failure to follow proper installation procedures
- \*Damage caused by improper anchoring procedures and/or insufficient anchoring
- \*Damage caused by failing to use ground cloths or tarps
- \*Damaged caused by Acts of God including (not limited to); tornadoes, hurricanes, floods, excessive wind, hail, lightning, etc
- \*Damage caused by insects, rodents, and animals
- \*Damage/deterioration caused by improper storage
- \*Pin holes, tears caused by walking on the fabric
- \*Repairs or modifications to the frame and/or fabric
- \*Damage caused by falling objects such as tree limbs
- \*Damage caused by use of harsh chemicals, fireworks, flames, sharp objects

In the event of a defect in material or workmanship, Dremcor LLC will replace or repair the product. Photos and an explanation of the defect may be requested of the purchaser. Dremcor LLC reserves the right to refuse warranty if the above exclusions are confirmed.

In the event of a warranty claim, Dremcor LLC will not compensate the purchaser for loss of income, wages, travel expenses, equipment rental and third party fees.