

Mitter

Manual



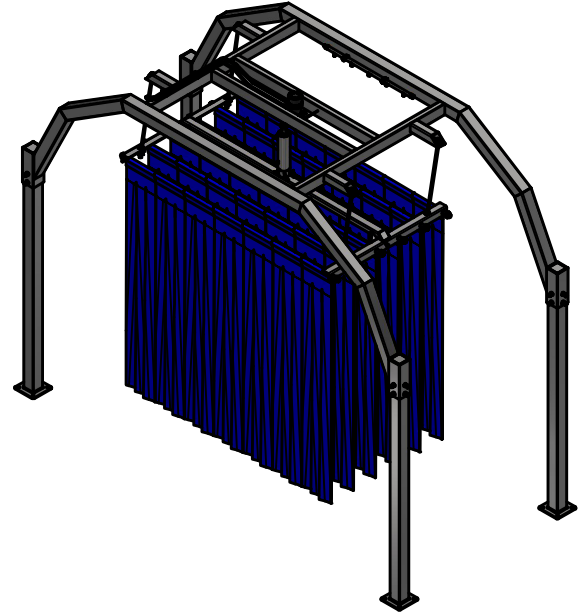
Owner's Manual

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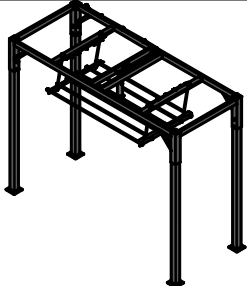
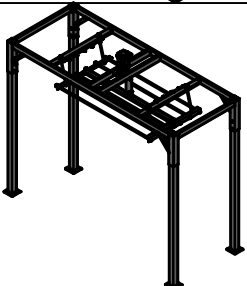
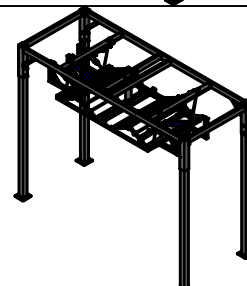
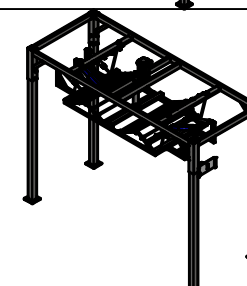
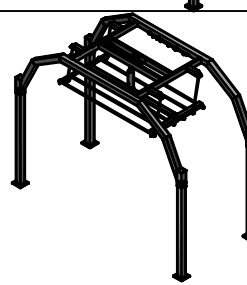
APPLICATION BRIEFING

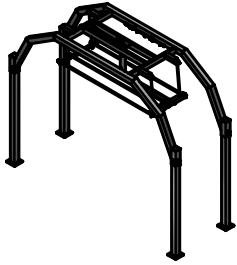
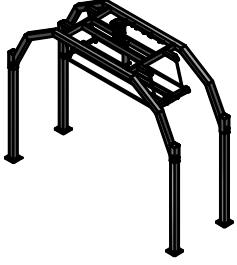
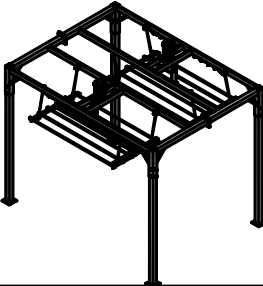
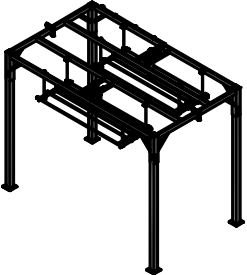
The AVW stainless steel mitter curtain has a unique basket motion that provides an aggressive cleaning pattern on the vehicle surface, transferring from the the top of the basket. The mitter curtain design features a bearingless design, circular motion that simulates hand washing, and telescopic height adjustment.

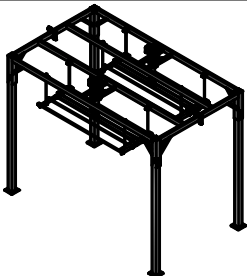
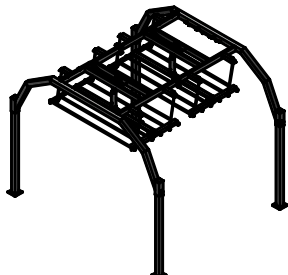
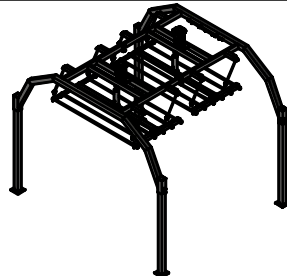
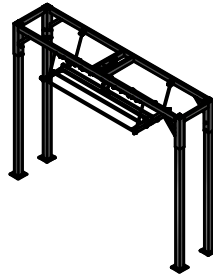
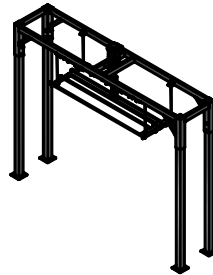
Note: Mitter curtain sold separately from mitter frame. See page 7 for curtain details.

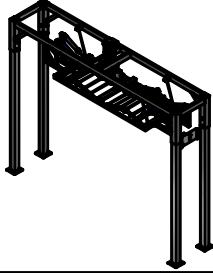
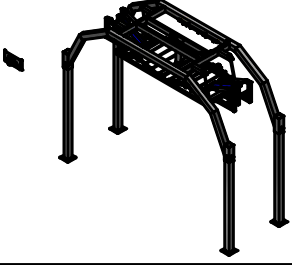


SPECIFICATIONS	
Description	Value(s)
-----HYDRAULIC MOTOR-----	-
DISPLACEMENT	195cc
PORT SIZE	1/2-14 NPTF
MAX SPEED	287 rev/min
MAX SUPPLY PRESSURE	190 Bar
-----ELECTRIC MOTOR-----	-
POWER	1.5 HP
VOLTAGE	230/460
CURRENT	4.60/2.30
GEARBOX RATIO	22.32:1

Mitter Configurations			
Model	Part Number	Description	ID
	MC2	Full Mitter Curtain, 7' Basket, 6 Curtain Rods, Hydraulic	A
	MC2-EL	Full Mitter Curtain, 7' Basket, 6 Curtain Rods, Electric	B
	MC2-R-0818	Full Mitter Curtain, 7' Basket, 6 Curtain Rods, Hydraulic, Retractable	C
	MC2-R-EL-0818	Full Mitter Curtain, 7' Basket, 6 Curtain Rods, Electric, Retractable	D
	OT2-MC2	Octasquare Full Mitter Curtain, 7' Basket, 6 Curtain Rods, Hydraulic	E

Mitter Configurations			
Model	Part Number	Description	ID
	OT2-MC2-EL	Octasquare Full Mitter Curtain, 7' Basket, 6 Curtain Rods, Electric	F
	OT2-MM5	Octasquare Mini Mitter Curtain, 7' Basket, 4 Curtain Rods, Hydraulic	G
	OT2-MM5-EL	Octasquare Mini Mitter Curtain, 7' Basket, 4 Curtain Rods, Electric	H
	DM2-EL	Double Full Mitter Curtain, 2x 7' Basket, 12 Curtain Rods, Electric	I
	DMM5	Double Mini Mitter Curtain, 2x 7' Basket, 8 Curtain Rods, Hydraulic	J

Mitter Configurations			
Model	Part Number	Description	ID
	DMM5-EL	Double Mini Mitter Curtain, 2x 7' Basket, 8 Curtain Rods, Electric	K
	OT2-DM2	Octasquare Double Full Mitter Curtain, 2x 7' Basket, 12 Curtain Rods, Hydraulic	L
	OT2-DM2-EL	Octasquare Double Full Mitter Curtain, 2x 7' Basket, 12 Curtain Rods, Electric	M
	MM5	Mini Mitter Curtain, 7' Basket, 4 Curtain Rods, Hydraulic	N
	MM5-EL	Mini Mitter Curtain, 7' Basket, 4 Curtain Rods, Electric	O

Mitter Configurations			
Model	Part Number	Description	ID
	MM5-R-EL-0818	Mini Mitter Curtain, 7' Basket, 4 Curtain Rods, Electric, Retractable	P
	OT2-MM5-R-0818	Octasquare Mini Mitter Curtain, 7' Basket, 4 Curtain Rods, Hydraulic, Retractable	Q
	OT2-MM5-R-EL-0818	Octasquare Mini Mitter Curtain, 7' Basket, 4 Curtain Rods, Electric, Retractable	R

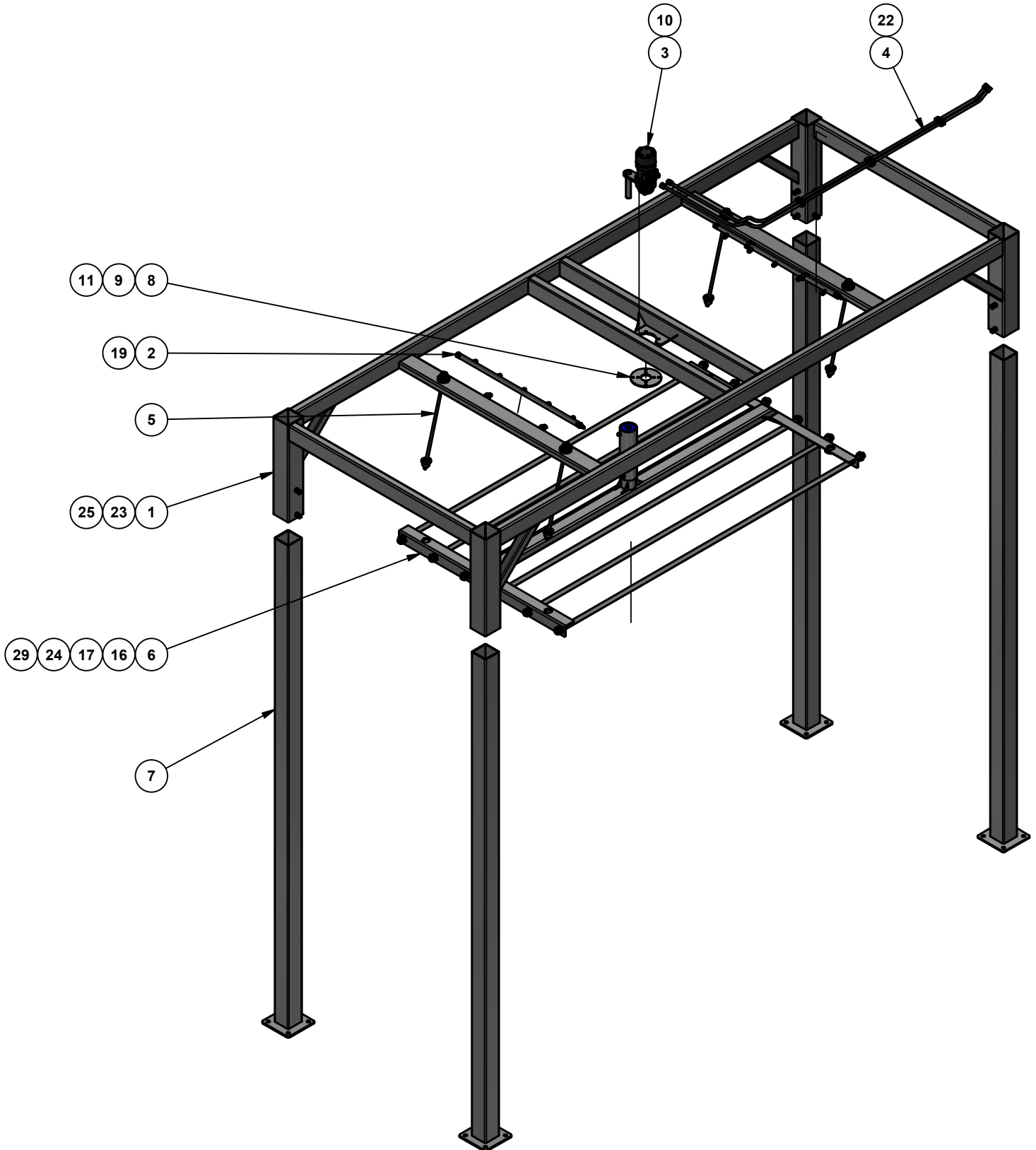
Bill of Materials

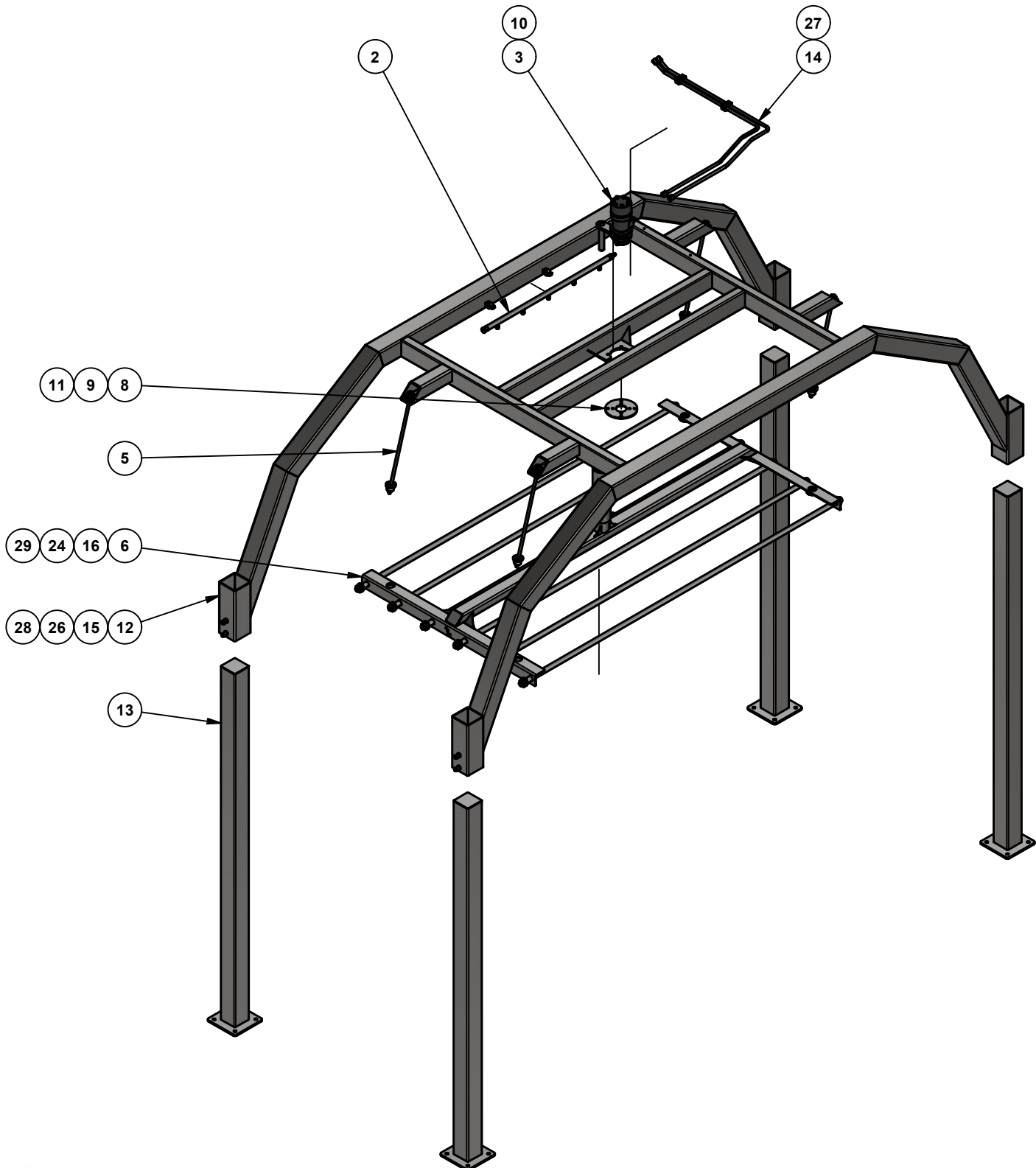
Mitter Manual

Parts List			
ITEM	PART NUMBER	DESCRIPTION	ID
1	MC2BA-EL	Frame (Mitter Curtain), Frame only	A, B, C, D
2	WA1LA	Side Water Manifold Assembly	A, B, C, D, E, F, G, H, L, M, Q, R
3	MC2BB-1104	Basket Drive Assembly	A, C, E, G, J, L, N, Q
4	MC2H	Hydraulic Tubes Assembly	A, C
5	MC1C	Rod Assembly (Mitter Basket Support)	A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R
6	MC2D	Basket Assembly	A, B, E, F, I, L, M
7	MC1A	Sq. Leg Straight 120" LG	A, B, C, D, I, J, K, N, O, P
8	RPSS03GX0625X9H	Plate #1/4" x 6 1/4" OD	A, C, E, G, J, L, N, Q
9	MC2BBA-P1-0615	Cam Arm 5" (w/ Welded Weld-On Hub)	B, D, F, H, I, K, M, O, P, R
10	GRMTR-SEW-1-5HP-79-230-460	SEW Gearmotor, 1.5HP, 79rpm, RF27	B, D, F, H, I, K, M, O, P, R
11	STB-P1X118	Bushing Split Taper: P1 - 1-1/8"	B, D, F, H, I, K, M, O, P, R
12	OT2-MC2A	Octasquare Hydraulic Mitter Frame	E
13	OT2-AA07A	Octasquare Empty Arch Leg - 84" LG [7Ga]	E, F, G, H, L, M, Q, R
14	OT2-MC2H	Hydraulic Line Assembly	E, L
15	OT2-MC2A-EL-0914	Octasquared Mitter Frame Assembly Electrical	F
16	WA1P-120V	Air Control Panel - 120VAC, with 4 Way Directional Valve	C, D, P, Q, R
17	MC2D-R-0818-EL	Basket Assembly, Folding, Fully Retractable Mitter	C, D
18	DM2C-EL	Dual Mitter Top Frame Assembly (Electric)	I
19	WA1LAA	Manifold w/ holes	I, N, O, P
20	OT2-DM2A	Octasquare Dual Mitter Top Frame Assembly	L, M
21	OT2-DM2H	Hydraulic Line Assembly	L
22	MM5H	Hydraulic Tube Assembly	N
23	MM5B-7	Mini Mitter Top Frame Assembly, Hydraulic	N
24	MM5D-7	Mini Mitter Basket Assembly	G, H, J, K, N, O
25	MM5B-7-EL	Mini Mitter Top Frame Assembly, Electric	O, P
26	OT2-MM5A	Octasquare Mini Mitter Top Frame Assembly	G
27	OT2-MM5H	Octasquare Mini Mitter Tube Assembly, Hydraulic	G, Q
28	OT2-MM5A-EL-0914	Octasquare Mini Mitter Top Frame Assembly	H, Q, R
29	MM5D-R-0818	Basket Assembly, Retractable Mini Mitter	P, Q, R
30	DMM5C-EL	Dual Mini Mitter Frame, Electric	J, K
31	DMM5H	Hydraulic Tube Assembly	J

Address: 105 S 9th Ave, Maywood, IL 60153
Phone: (708) 343-7738 | **Fax:** (708) 343-9065

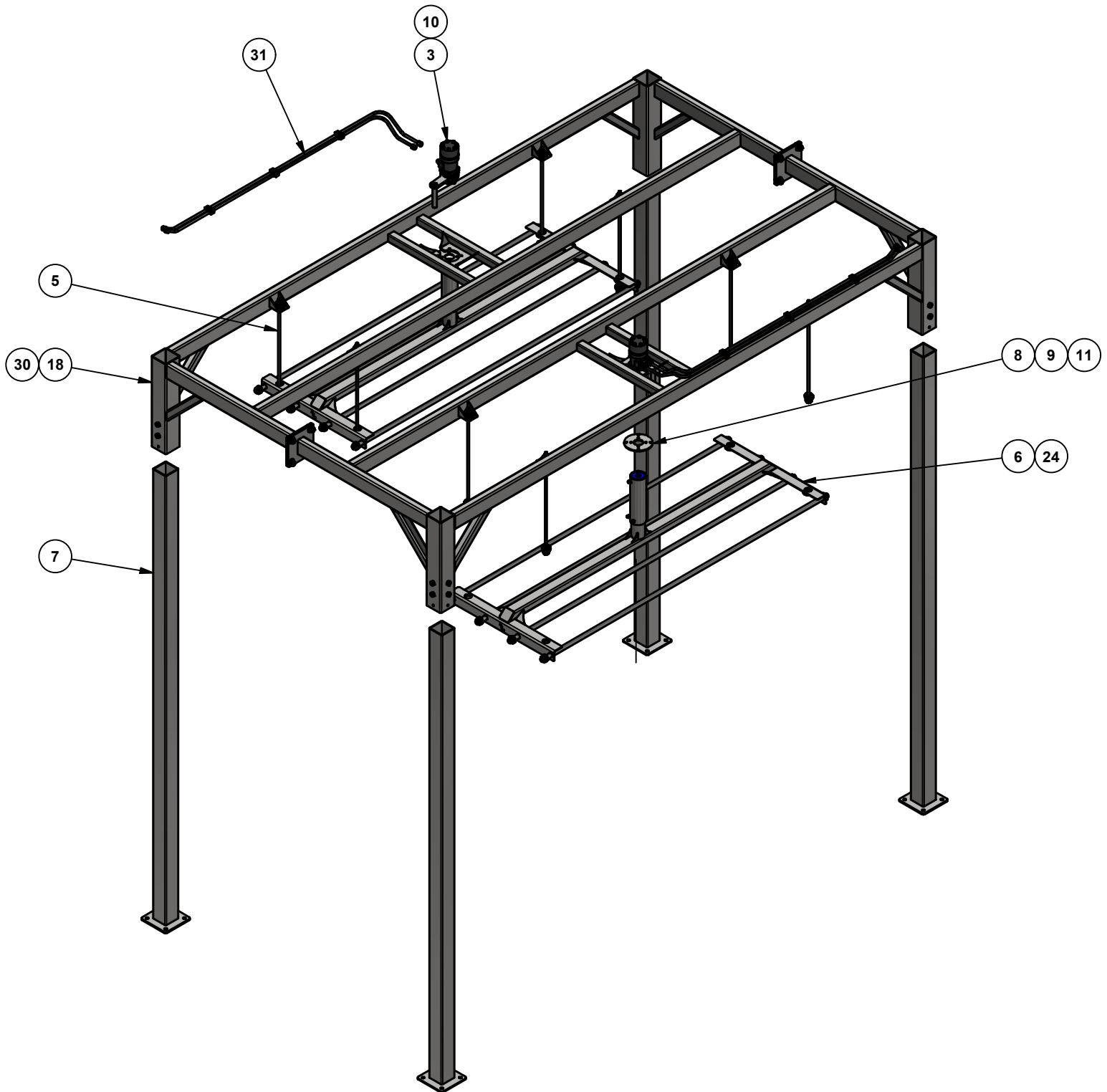
Website: www.avwequipment.com
General Inquiries: info@avwequipment.com

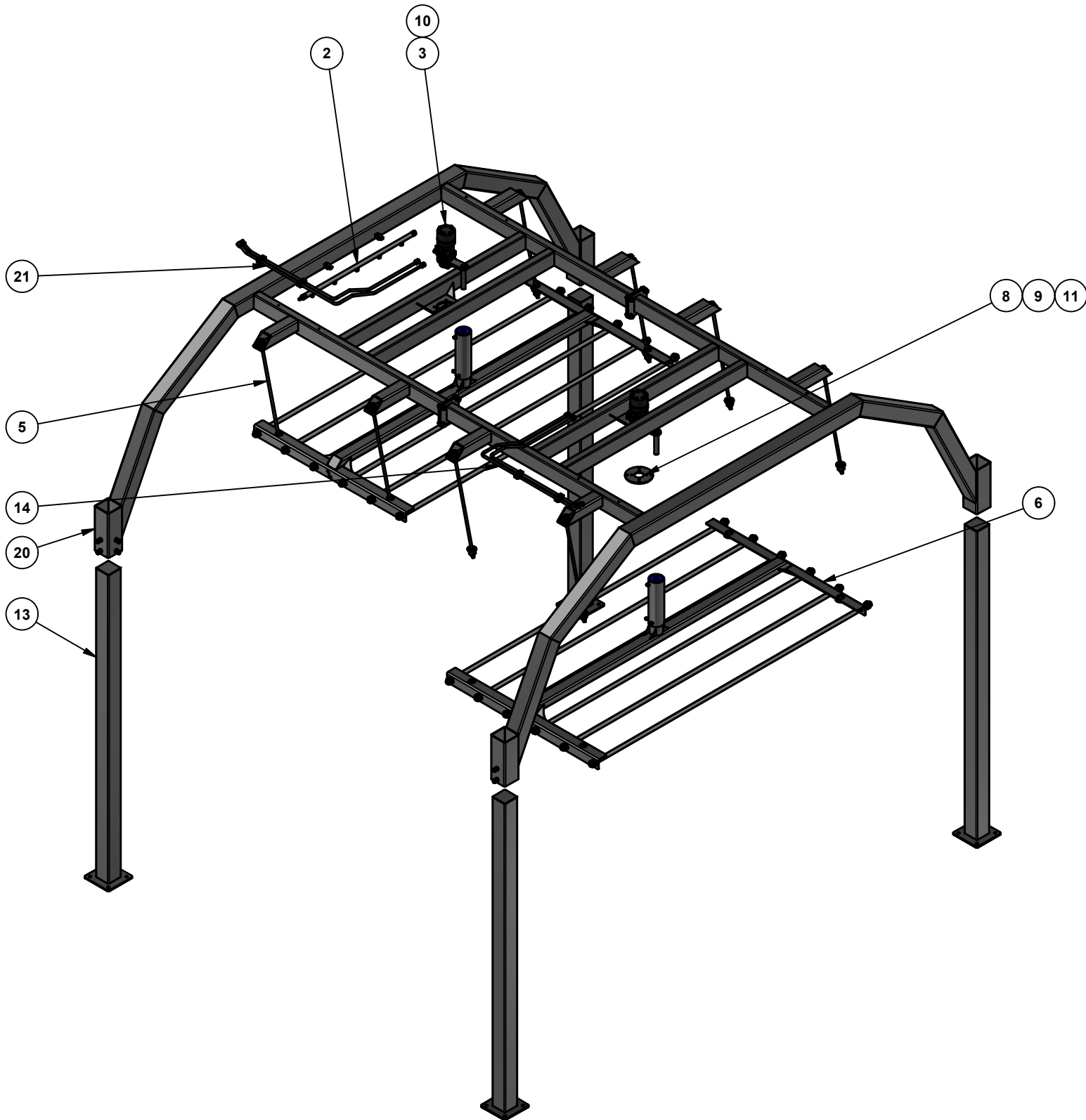




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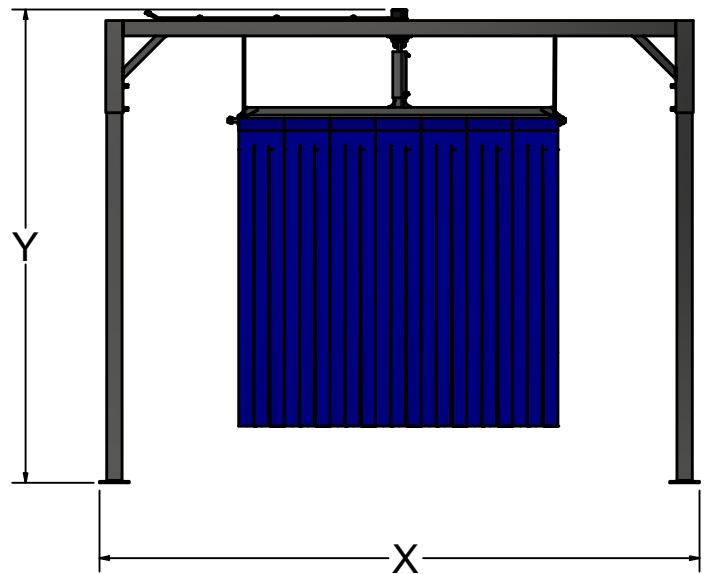
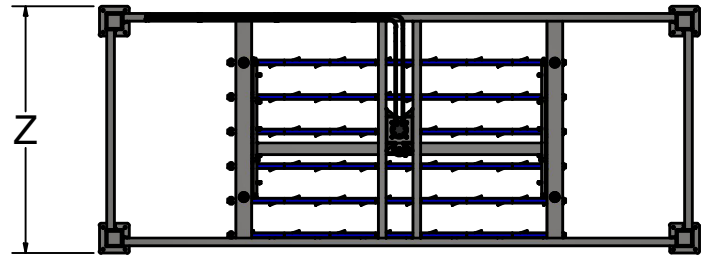
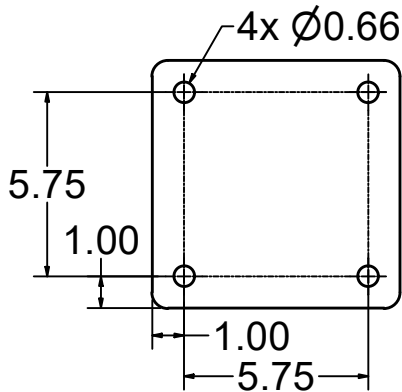
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Mounting Dimensions

Overall Mitter Dimensions				
Mitter Part Number	ID	X (in)	Y (in)	Z (in)
MC2	A	156.25	123.26	64.25
MC2-EL	B	156.25	133.70	64.25
MC2-R-0818	C	156.25	123.26	64.25
MC2-R-EL-0818	D	156.25	120.31	64.25
OT2-MC2	E	156.14	124.04	71.75
OT2-MC2-EL	F	156.14	134.48	71.75
OT2-MM5	G	156.14	124.04	53.75
OT2-MM5-EL	H	156.14	134.48	53.75
DM2-EL	I	156.14	133.92	116.88
DMM5	J	156.25	123.31	92.88
DMM5-EL	K	156.25	129.32	92.88
OT2-DM2	L	156.14	124.04	132.38
OT2-DM2-EL	M	156.14	134.48	132.38
MM5	N	156.25	123.26	34.25
MM5-EL	O	156.25	133.70	34.25
MM5-R-EL-0818	P	156.25	133.70	34.25
OT2-MM5-R-0818	Q	156.14	124.04	53.75
OT2-MM5-R-EL-0818	R	156.14	134.48	53.75



Maintenance Instructions

- Check wear on blue UHMW support disc on the basket support rods on a monthly basis.
- Check for leaks around nozzles and hydraulic fittings and for bends on crossrods on mitter frame on a daily basis.
- Inspect mitter cloth initially after 6 months of operation, followed by a quarterly basis afterwards. Wear and tear will degrade the fabric over time, dependent on amount and frequency of friction.
- For retractable mitter curtains, check air cylinders for leaks and smooth retraction on monthly basis. Start by initiating the retract position and listening for a hissing sound. If a hissing sound can be heard, an air leak is present in either the hose connection or the O-ring seals. To test the hose connection pull lightly on the air hoses. They should be snug inside the push-to-connect fittings and shouldn't budge.

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Mitter Curtain (Accessories)		
Part Number	Description	Curtain Configuration
MC1E-12W79L-S-CL-AVW-BK	Mitter Curtain, 12"W x 79"Lg w/4" Cuts, Straight-Cut, Looped/Glued, Cloth - Black	A
MC1E-12W79L-S-CL-AVW-BL	Mitter Curtain, 12"W x 79"Lg w/4" Cuts, Straight-Cut, Looped/Glued, Cloth - Blue	B
MC1E-12W79L-S-CL-AVW-RD	Mitter Curtain, 12"W x 79"Lg w/4" Cuts, Straight-Cut, Looped/Glued, Cloth - Red	C
MC1E-04W79L-S-MFBR-BLK	Mitter Curtain 4"W x 79"Lg, MicroFiber, EcoZite, Looped, with Spacer - Black	D
MC1E-04W79L-S-MFBR-BLUE	Mitter Curtain 4"W x 79"Lg, MicroFiber, EcoZite, Looped, with Spacer - Blue	E
MC1E-04W79L-S-MFBR-RED	Mitter Curtain 4"W x 79"Lg, MicroFiber, EcoZite, Looped, with Spacer - Red	F

Maximum Curtains Per Mitter		
Mitter Configuration ID	Curtain Configuration ID	Maximum # of Curtains
J, K, L, M, N, O, P	A, B, C	28
A, B, C, D, E, F	A, B, C	42
J, K, L, M, N, O, P	D, E, F	42
Q, R	A, B, C	56
A, B, C, D, E, F	D, E, F	63
G, H, I	A, B, C	84
Q, R	D, E, F	84
G, H, I	D, E, F	126

REVISION TABLE				
Rev	ECN #	Description	Date	Initials
A		Initial Release	18MAR2024	JP