

INNOVATIONS

in Rooftop Support Systems

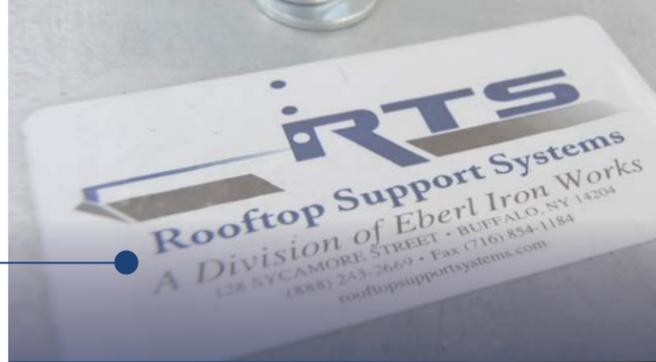


1 (888) 243-2669
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Table of Contents

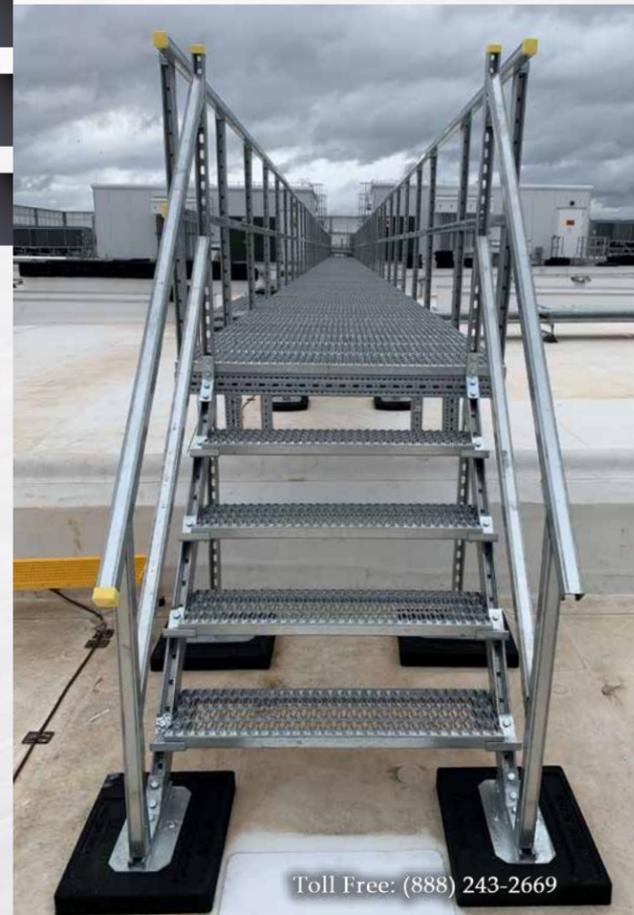
RTS Applications	1
Bases	2
PUC Showcase	3
H-Stands	4-5
Condenser Supports	6-7
Crossover Stairs and Ramps	8-9
Access Platforms	10
Custom Maintenance Platforms	11
Specialty Items	12-13
Project Showcase	14-15

* All published Weight Load Capacities in this catalog are listed at a Safety Factor of 5



“We trust the RTS division of Eberl Iron Works with all our Rooftop Support projects and are very happy with the flexibility, strength and reliability of the products and their services.”

*– Jay Blazo, Owner,
Boston Air Systems*



Toll Free: (888) 243-2669



RTS Applications

RTS Applications •

The Rooftop Support Systems (RTS) division of Eberl Iron Works, Inc. strives to manufacture products that save our customers time and money. Our economical and labor saving designs are sure to do just that! The versatility and adjustability that has been engineered into each of our products ensures a fast and efficient installation on any project.

By shipping RTS products cut to length and ready to assemble, we have eliminated the need for measuring, cutting, and welding on site. Any of our RTS products can be fully assembled with nothing but a wrench. Rooftop Support Systems – engineering efficiency through quality and innovative products.



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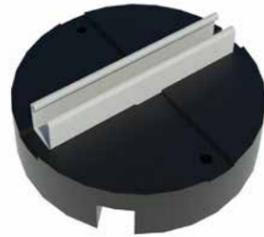
RTSPUC1

Uses:
Pipe/conduit/condensate line up to 6" Diameter.

Product Dimensions:
12" Diameter x 2.5" Thick.
1-5/8" channel included.

Pipe Mount Height:
+/- 3.75" above roof.

Weight:
10 lbs.



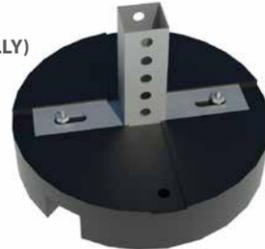
RTSPUCF11

Uses:
Small H-Stands and condenser supports. **(NOT SOLD INDIVIDUALLY)**

Product Dimensions:
12" Diameter x 2.5" Thick.
2" x 2" square receiver.

Minimum Mount Height:
+/- 12.5" above roof.

Weight:
10.5 lbs.



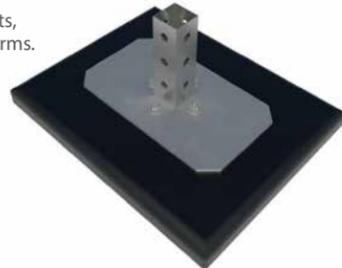
RTSF21

Uses:
H-Stands, Condenser Supports, Crossovers, and Access Platforms.

Product Dimensions:
14.5" x 17.5" x 2" Thick.
2" x 2" square receiver.

Minimum Mount Height:
+/- 12" above roof.

Weight:
25 lbs.



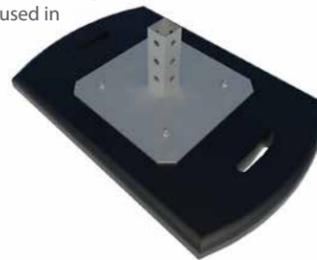
RTSF30

Uses:
H-Stands, Condenser Supports, Crossovers, and Access Platforms. Typically used in heavy duty applications.

Product Dimensions:
23.75" x 20.75" x 2" Thick.
2" x 2" square receiver.

Minimum Mount Height:
+/- 13.75" above roof.

Weight:
35 lbs.



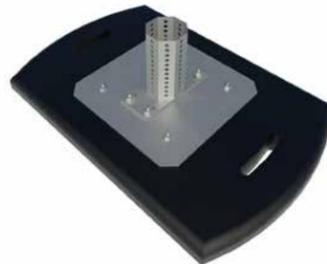
RTSF30F

Uses:
H-Stands, Condenser Support and Access Platforms. Typical heavy duty applications.

Product Dimensions:
23.75" x 20.75" x 2" Thick.
Receiver for 3" x 3" Framo 80 product.

Minimum Mount Height:
+/- 13.5" above roof.

Weight:
39 lbs.



RTSSPB20HG (Direct Mount)

Uses:
H-Stands, Condenser Supports, Crossovers, and Access Platforms where seismic or wind forces are present.

Product Dimensions:
6" Diameter, 1/4" Plate; 16"H. 2" x 2" square receiver. Solid 1-3/4" Round Bar.

Minimum Mount Height:
+/- 20.25" above structure.

Weight:
12 lbs.



RTSSPB80HG (Direct Mount)

Uses:
H-Stands, Condenser Supports, Crossovers, and Access Platforms where seismic or wind forces are present.

Product Dimensions:
6" Diameter, 1/2" Plate; 16"H. Receiver for 3" x 3" Framo product. Solid 2-1/2" Round Bar.

Minimum Mount Height:
+/- 23.25" above structure.

Weight:
14 lbs.



RTSSPBWIND (Direct Mount)

Uses:
Tie down base for H-stands, Equipment Supports, Crossover and Access Platforms where wind/seismic concerns are present.

Product Dimensions:
8" Diameter, 1/4" Plate; 12-1/2"H or 24-1/2"H. Solid 1-3/4" Round Bar.

Minimum Mount Height:
+/- 12-1/2" above roof.

Weight:
16 lbs.



PUC Showcase:

The incredibly versatile RTSPUC can be used in a variety of applications:

- **Electrical Conduit/Condensate:** Three varieties of channel are available for varying heights of installation, and if vertical adjustability is required, 1/2" threaded rod is used to add up to 24" of height. Bridge supports can carry several pipes together. Pipe clamps are available upon request.
- **Gas and Mechanical Piping:** Rollers are added to conduit/condensate supports to accommodate pipe expansion and contraction.
- **Small Duct/Pipe:** H-Stand kits are available using the RTSPUCF11 base for smaller runs of square or spiral duct, or pipe that is mounted more than 12" above the roof.
- **Condenser Units:** Support kits are available for mini-split and small condensers.



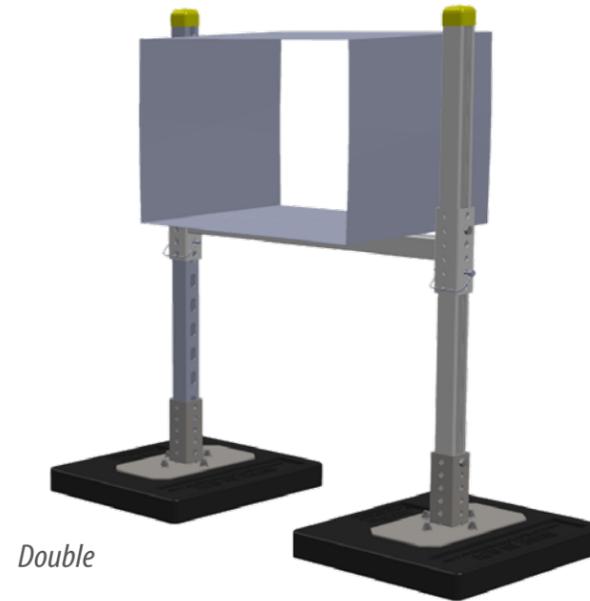
H-Stand Pipe, Duct & Cable Tray Supports:

Used for safely and securely mounting pipe(s), spiral or rectangular duct, and cable tray. RTS H-Stands are available in a variety of configurations for numerous applications and are designed to maximize jobsite efficiency. Non-penetrating rubber bases eliminate the need for roof work, and welded cross braces and precut framing reduce hardware while allowing for easy adjustability above 12". There is no prefabrication time required.

Direct mount bases are interchangeable in most configurations and may address seismic or wind concerns with the approval of a licensed structural engineer. All H-Stands are compatible with 1-5/8" channel accessories. Pipe clamps, rollers, clevis assemblies, and pipe shields can be attached to meet the needs of any project. Available finishes: Pre-galvanized, Hot Dip Galvanized, and Stainless Steel.

H-Stands

H-Stands



		Upright Height								
		24"	36"	48"	60"	72"	84"	96"	108"	120"
Cross Brace Width	24"	RTSH2424	RTSH3624	RTSH4824	RTSH6024	RTSH7224	RTSH8424	RTSH9624	RTSH10824	RTSH12024
	30"	RTSH2430	RTSH3630	RTSH4830	RTSH6030	RTSH7230	RTSH8430	RTSH9630	RTSH10830	RTSH12030
	36"	RTSH2436	RTSH3636	RTSH4836	RTSH6036	RTSH7236	RTSH8436	RTSH9636	RTSH10836	RTSH12036
	42"	RTSH2442	RTSH3642	RTSH4842	RTSH6042	RTSH7242	RTSH8442	RTSH9642	RTSH10842	RTSH12042
	48"	RTSH2448	RTSH3648	RTSH4848	RTSH6048	RTSH7248	RTSH8448	RTSH9648	RTSH10848	RTSH12048
	54"	RTSH2454	RTSH3654	RTSH4854	RTSH6054	RTSH7254	RTSH8454	RTSH9654	RTSH10854	RTSH12054
	60"	RTSH2460	RTSH3660	RTSH4860	RTSH6060	RTSH7260	RTSH8460	RTSH9660	RTSH10860	RTSH12060
	66"	RTSH2466	RTSH3666	RTSH4866	RTSH6066	RTSH7266	RTSH8466	RTSH9666	RTSH10866	RTSH12066
	72"	RTSH2472	RTSH3672	RTSH4872	RTSH6072	RTSH7272	RTSH8472	RTSH9672	RTSH10872	RTSH12072
	78"	RTSH2478	RTSH3678	RTSH4878	RTSH6078	RTSH7278	RTSH8478	RTSH9678	RTSH10878	RTSH12078
84"	RTSH2484	RTSH3684	RTSH4884	RTSH6084	RTSH7284	RTSH8484	RTSH9684	RTSH10884	RTSH12084	
90"	RTSH2490	RTSH3690	RTSH4890	RTSH6090	RTSH7290	RTSH8490	RTSH9690	RTSH10890	RTSH12090	
96"	RTSH2496	RTSH3696	RTSH4896	RTSH6096	RTSH7296	RTSH8496	RTSH9696	RTSH10896	RTSH12096	

- For Double Cross Brace, add "-D"
 - For Hot Dip Galvanized, add "-HG"
 - For RTSSPB20HG direct mount bases, add "-P"
- Example: RTSHXXXX-P-HG denotes an H-Stand with direct mount bases in HDG finish

***** Part numbers listed include (2) RTSF21 rubber bases, (2) Uprights, and (1) Cross brace in pregalvanized finish *****





Condenser and Equipment Supports:

RTS offers four varieties of condenser supports to meet the needs of any application. The RTSEQ-MUSTANG products are perfect for lightweight, side discharge mini-split units, while the RTSEQ-LDF, RTSEQ-MDF, and the RTSEQ-BLUEOX units are best suited to support larger, heavier condenser units. Standard sizes and configurations are listed below, and designs can be modified to fit any project's size and weight requirements. All material required is cut to length and shipped ready to bolt together. Assembly, height adjustment and leveling can be achieved with standard hand tools.

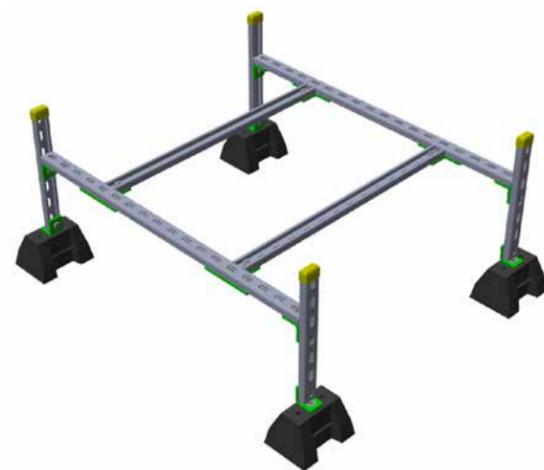
Available finishes: Pre-Galvanized, Hot Dip Galvanized, and Stainless Steel.

Mustang Mini Split Stand

Blue Ox Condenser Support

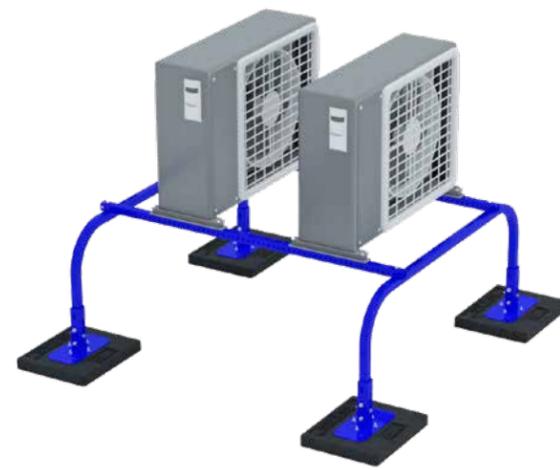
Light Duty

Medium Duty



RTSEQ-MUSTANG

- Adjustable, strut-based framing that supports up to 400 lbs of equipment, providing long-lasting stability.
- Lightweight 34 lb frame with pre-attached hardware allows for quick assembly using only a wrench.
- Available with non-penetrating rubber bases or direct-mount options for rooftop or ground installation.



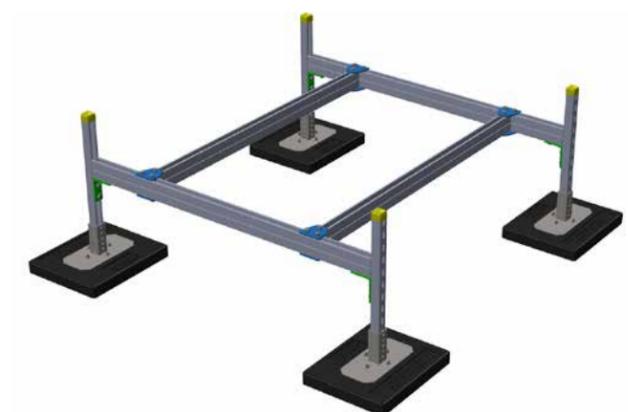
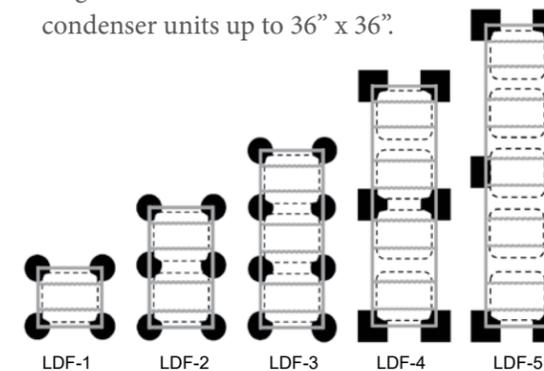
RTSEQ-BLUEOX

- Simplified three-component design uses standard tools and hardware for faster, lower-cost installation.
- Durable 1-1/2" square tubing supports up to 820 lbs per bent section and is available in heavy-duty and seismic mount options.
- Raised roof stands support a variety of condenser units, mini-split systems, and light to medium-weight equipment.



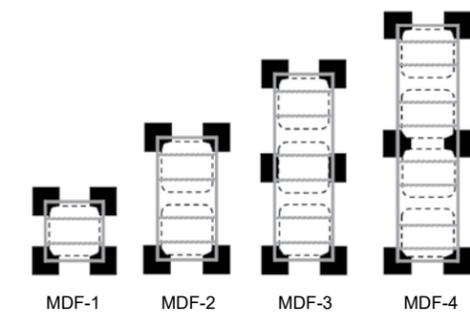
RTSEQ-LDF

- For use with light-duty condenser units, and taller, or stacked mini-splits, these supports hold up to five units with a combined maximum weight of 1000 lbs. and accommodate condenser units up to 36" x 36".



RTSEQ-MDF

- Designed for heavy-duty installations, the MDF series accommodates condenser units up to 48" x 48" with a maximum total weight of 2000 lbs.
- RTSF21 bases are standard on all variations, or substitute for seismic bases.





Crossover Stairs and Ramps:

RTS Stair and Ramp systems employ innovative designs that save material and time on installation. Utilizing custom versions of our RTSF21 rubber bases and high strength steel framing, our crossover units will not harm roof surfaces and safely allow pedestrian traffic over roof obstacles. All standard 36" wide designs include 12 gauge anti-slip grating. Standard sizes are listed below, and custom solutions are available upon request.

All material is shipped cut to length, and ready to assemble with common hand tools. Available finishes: Pre-Galvanized, Hot Dip Galvanized, and Stainless Steel.



Crossover Stairs: RTSCO

Crossover Ramps: RTSRAMP



S = Platform Span:

Determine the width of the obstacle to be traversed, and round up to the next available span:

- 35-1/4"
- 47"
- 58-3/4"
- 70-1/2"
- 82-1/4"
- 94"
- 105-3/4"
- 117-1/2"

H = Platform Clear Height:

Determine the height of the obstacle to be traversed, and round up to the next available height:

- 17-1/2"
- 25-1/2"
- 34-1/2"
- 43-1/2"
- 52-1/2"
- 61-1/2"
- 70-1/2"
- 79-1/2"

S = Platform Span:

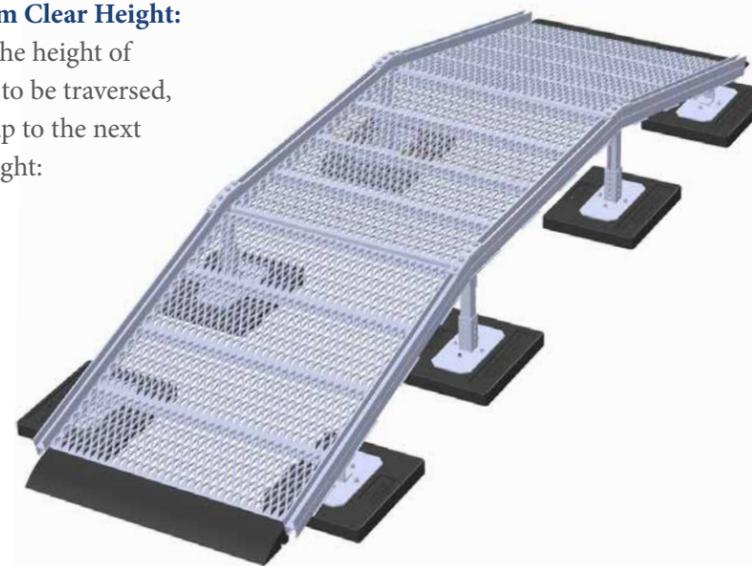
Determine the width of the obstacle to be traversed, and round up to the next available span:

- 35-1/4"
- 47"
- 58-3/4"
- 70-1/2"
- 82-1/4"
- 94"
- 105-3/4"
- 117-1/2"

H = Platform Clear Height:

Determine the height of the obstacle to be traversed, and round up to the next available height:

- 10-7/16"
- 13-9/16"
- 16-5/8"
- 19-3/4"
- 22-7/8"



- Crossover stairs utilize a 9" rise and 9-1/2" run stair configuration.
- All crossover stairs include safety railings.
- Custom solutions are available upon request.

Design Standards	
Platform Width = 36"	Stair Rise = +/- 9"
Stair Run = 9-1/2"	Grating = Anti-Slip Diamond

Design Standards	
Ramp Width = 36"	Ramp Angle = 15°
Grating = Anti-Slip Diamond	

- Crossover ramps utilize a 15° slope and include a rubber transition piece.
- Custom solutions are available upon request.



Custom Maintenance Platforms:

Maintenance platforms are designed to fit project requirements. Constructed of 3" x 3" Hot Dip Galvanized semi-structural square tube, the system offers strength similar to dunnage, while still offering the convenience and time savings of a bolt together system. Includes anti-slip grating and safety railings. All material ships cut to length, and can be assembled quickly with an impact wrench. Available finishes (Railings & Grating): Pre-Galvanized, Hot Dip Galvanized, and Stainless Steel.

Access Platforms:

Similar to the RTS Crossover units, our Access Platforms utilize non-penetrating rubber bases, high strength steel framing, and 12 gauge anti-slip grating. The difference is that the bases are offset to allow the platform to rest against the unit that it is intended to service. There are two standard versions available that are modified to meet the needs of any project. Available finishes: Pre-Galvanized, Hot Dip Galvanized, and Stainless Steel.

RTSAP-END

RTSAP-SIDE



- A simple, small platform, usually 36" x 36" that allows access to a single door or panel of a rooftop unit.



- A larger platform that spans the entire side of a unit, granting access to all doors and panels on one side of a rooftop unit.



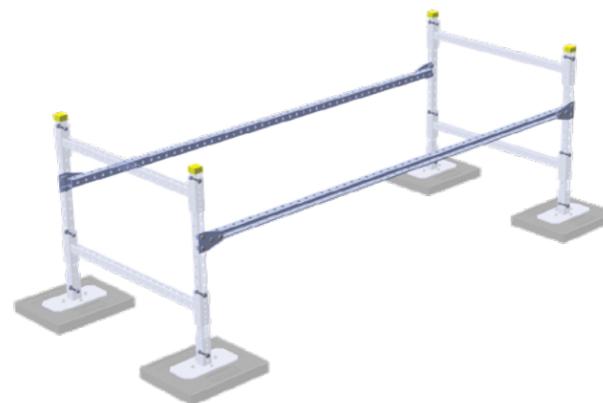
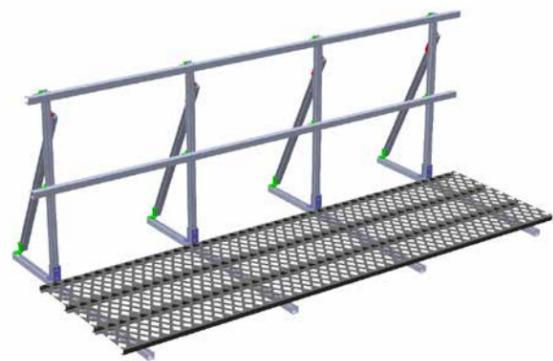


Roof Walkway

Safety Railings

Wind & Seismic Bracing

Solar/Electric Disconnects



ROOFWALK

- Designed to provide safe, non-slip access for workers navigating rooftop equipment, structures, and other obstacles.
- Constructed from durable, corrosion-resistant metal grating with OSHA-compliant handrails for long-term safety and reduced maintenance costs.
- Engineered to minimize material use and protect roof surfaces from wear, extending roof lifespan and simplifying installation.

ROOFRAIL

- Provides safe, OSHA-compliant, and easy-to-use leading-edge fall protection for flat, or slightly inclined commercial rooftops.
- Fabricated in-house from 1-1/4" schedule 40 pipe, available hot dip galvanized, or powder coated for durability.
- All components are fully stocked for quick delivery, and fast, customizable installation.

RTSWINDBRACE

- Bracing is typically required to hold proper spacing between H-Stands in areas of high wind or seismic activity.
- RTSSPBWIND direct mount tie-down bases are used in conjunction with bracing to securely anchor systems to your roof.
- Material finish is matched to the installation.

RTSED

- Provides proper elevation and secure mounting to enhance safety and meet electrical installation standards.
- Works with a wide range of disconnects, switches, and isolators for safe, accessible power control.
- Constructed from durable, lightweight, modular steel components for easy assembly using common hand tools.



Project Showcase

Project Showcase



1



2



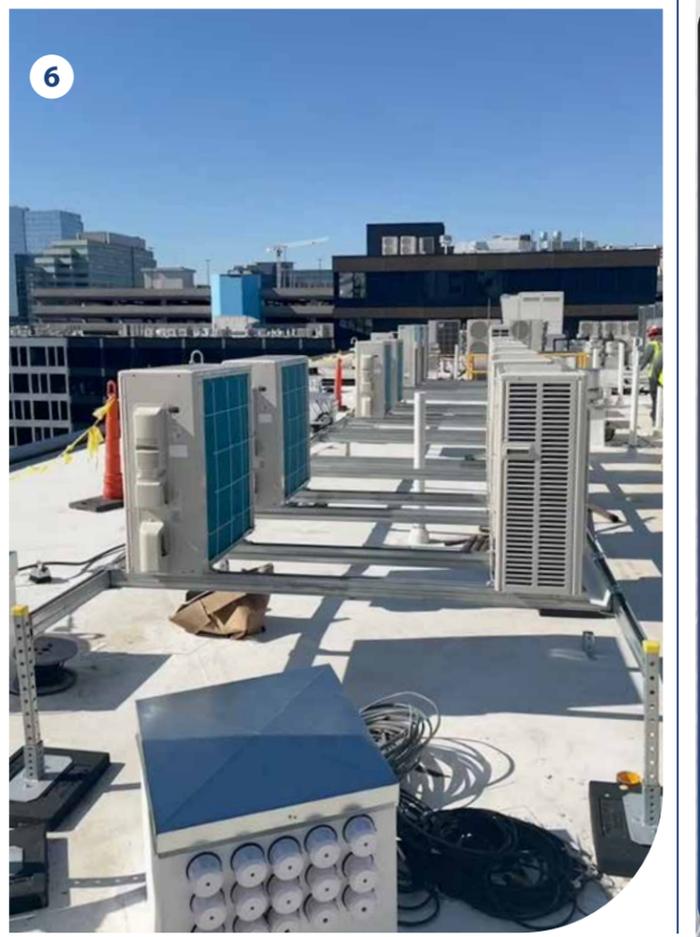
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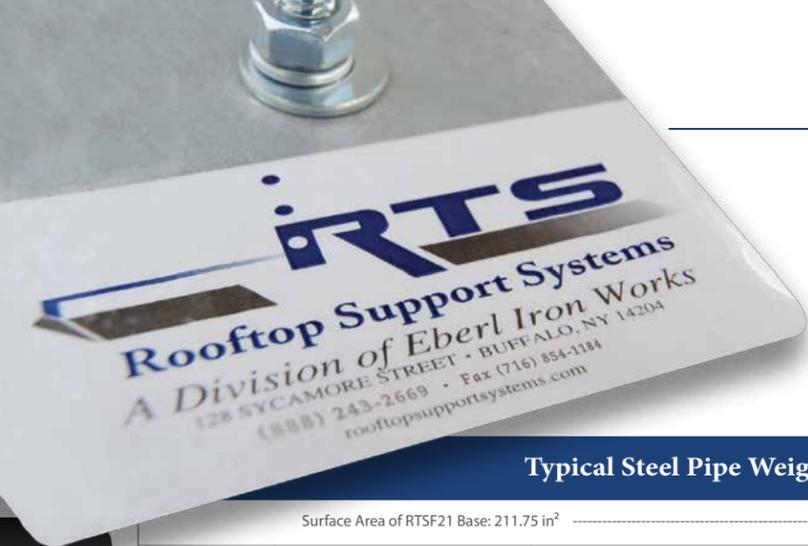


5



6

- 1. Madison, WI
- 2. Buffalo, NY
- 3. Ashburn, VA
- 4. Boston, MA
- 5. Shakopee, MN
- 6. Stamford, CT



Typical Steel Pipe Weights for H-Stand Loading

Surface Area of RTSF21 Base: 211.75 in²Surface Area of RTSPUC Base: 71.50 in²

Pipe Size	Water Filled Pipe Weight (lbs/ft)	Total Weight at 6ft Spacing (lbs)	Total Weight at 8ft Spacing (lbs)	Single RTSPUC PSI		Double RTSF21 PSI	
				6ft	8ft	6ft	8ft
1"	2.06	12.36	16.48	0.348	0.405	0.194	0.216
2"	5.11	30.66	40.88	0.604	0.747	0.238	0.274
3"	10.78	64.68	86.24	1.079	1.381	0.318	0.381
4"	16.30	97.80	130.40	1.543	1.999	0.396	0.485
5"	23.20	139.20	185.60	2.122	2.771	0.494	0.615
6"	31.50	189.00	252.00	2.818	3.699	0.612	0.772
8"	50.10	300.60	400.80	*	*	0.875	1.123
10"	74.60	447.60	596.80	*	*	1.222	1.586

* Application not permitted

** ASTM A53-86 Schedule 40 Pipe

*** PSI Calculation for a single pipe

**** Weights include that of an RTSPUC1 or a 75lb H-Stand

Typical Steel Duct Weights for H-Stand Loading

Surface Area of RTSF21 Base: 211.75 in²Surface Area of RTSPUC Base: 71.50 in²

Duct Size	Duct Weight/ft with 2" insulation	Total Weight at 6ft Spacing (lbs)	Total Weight at 8ft Spacing (lbs)	RTSPUC Base PSI		RTSF21 Base PSI	
				6ft	8ft	6ft	8ft
28" x 28"	28.80	172.80	230.40	1.558	1.961	0.585	0.721
30" x 30"	30.90	185.40	247.20	1.646	2.078	0.615	0.761
42" x 42"	43.20	259.20	345.60	*	*	0.789	0.993
54" x 54"	55.60	333.60	444.80	*	*	0.965	1.227
60" x 60"	61.80	370.80	494.40	*	*	1.053	1.345
84" x 84"	86.50	519.00	692.00	*	*	1.403	1.811
96" x 96"	98.80	592.80	790.40	*	*	1.577	2.043

* Application not permitted

** Weights for 16 ga. steel rectangular duct

*** PSI Calculation for a single Duct

**** Weights include that of an H-Stand using both base types (RTSPUCF11 or RTSF21)



Cancellation: Cancellation of orders will be accepted only with the understanding that we will be reimbursed for expenses incurred as a result of the cancellation. Orders for special or non-catalogued items are not subject to cancellation after production is started under any circumstances.

Warranties: We guarantee to repair or replace at our option any products we find in our sole discretion to be structurally defective in material or workmanship for a period of five (5) years on Pregalvanized items, and ten (10) years on Hot Dip Galvanized items from date of delivery to customer. Such warranty specifically excludes repair of non-structural rust damage to products. Our obligation with respect to material found by us to be defective shall be limited to replacement or repair and in no event shall we be liable for transportation to or from our factory, installation, adjustments or any expenses or damages arising in connection with such material. Eberl Iron Works, Inc. Rooftop Support Systems division accepts no liability for products not designed and laid out by RTS or for any alteration or modification to the system not authorized by RTS. This warranty shall not cover defects caused by outside contractors/installers of the RTS System.

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Returned Material: Permission to return any standard merchandise must be obtained in writing within 90 days of shipment. Material credit or refund is issued pending a material inspection. Damaged or altered material is not eligible for a refund. Return freight is to be paid for by the customer, and a 15% restocking fee will apply to all returns. Returns will only be considered for standard items. Any special or non-catalogued items are not subject to return for credit under any circumstances.

Freight: All prices are F.O.B. our dock or point of shipment, unless otherwise stated. Job site delivery will incur additional charges of \$150.00. Freight arrangements are the responsibility of the customer for any international shipment.

Catalog Weight, Dimensions, and Design Loads: Catalog weights and dimensions are careful estimates but not guaranteed. Load designs are based on tests as submitted or by calculations of static load applications. In most cases, the load is stated with applicable factor of safety.

Delivery: The estimated shipping date is based on production time required to process the order commencing with the date the order is received by us. Should any revisions be made to the order, the original shipping date is void.

Claims: Claims for defective material or shortages in shipment must be made in writing within 30 days of material arrival. If material is delivered short, damaged or missing pieces due to carrier mishandling, receiver must make note on the delivery receipt in order to receive replacement material.

Errors: Should an error be made filling an order, notify us promptly and we will immediately attempt to adjust the matter without expense to purchaser.

Freight: Delivery of goods to a carrier at our plant or other shipping point shall constitute delivery to purchaser regardless of freight payment. All risk of loss or damage in transit shall pass to purchaser at that time. Purchaser shall make claims for loss or damage to goods in transit against the carrier. We will assist purchaser in securing satisfactory adjustment of such claims, however; if material is delivered short, damaged or missing pieces due to carrier mishandling, receiver must make a note on the delivery receipt in order to receive replacement material.

Limitation of Liability: WE WILL NOT BE LIABLE TO BUYER OR ANY THIRD PARTY FOR ANY SPECIAL, CONTINGENT, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, TORT, STRICT LIABILITY, NEGLIGENCE OR OTHERWISE. Our liability with respect to a claim for any damages arising out of or connected with the sale, purchase, non-delivery, use or performance of any product will in no event exceed the price paid for the product.

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Eberl Iron Works, Inc.

Eberl Iron Works, Inc. (EIW) was founded in 1923 by brothers George and Frank Eberl. EIW started as a small welding shop which fabricated wrought iron railings, exterior fire escapes and miscellaneous iron. Eberl Iron Works has six unique and distinct divisions that meet our customers' most challenging needs. Rooftop Support Systems (RTS), Traffic Safety Products (TSP), Unistrut Buffalo Supports (UBS), Metal Fabrication Services (MFS), Stair Components & Systems (SCS), and Modular Mechanical Supports (MMS).

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