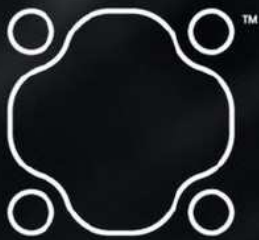


PAX SYSTEMS™

Production • Assembly • eXecution

Featuring ModTruss® TR3 Modular Structural Systems

MRO Workstations • Manufacturing • Intralogistics Solutions



ModTruss®

AUTHORIZED DISTRIBUTOR

Paschall Enterprises Inc.

PREPARED FOR YOU

VISIT MODTRUSS

MRO Workstations & Facility Solutions

Workstations, kitting, fabrication, diagnostics and facility applications.
The SR spool-rack family is provided in a separate spool-rack catalog.



01 ADJUST

Raise, lower, relocate,
or remove shelves.

02 RECONFIGURE

Change work surfaces,
storage, and accessories.

03 REUSE

Repurpose the same components
as operational needs change.

04 EXPAND

Combine configurations using
compatible components and connections.

PaschallFacilityServices.com

Opportunity@PaschallFacilityServices.com

All conceptual imagery. Final configurations and connections subject to project-specific review.

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Why ModTruss vs. Others?

One of the strongest advantages I see in ModTruss is its potential to support generations of changing operational needs. Rather than being limited to one task or layout, the system can be reconfigured and repurposed as your operation evolves.

Price is important, but the value goes beyond the initial purchase. The ability to reuse the same components for different applications—rather than replace equipment each time your needs change—is where I see its greatest long-term cost advantage.

ModTruss has built an impressive client base around its larger TR6 and TR12 systems, which have been the foundation of the company. My interest in expanding the manufacturing applications for TR2 and TR3 began after seeing how extensively ModTruss used its own products throughout its production and warehouse areas. It made perfect sense, and the brainstorming began.

I brought those possibilities to the President and CEO of ModTruss Inc. Patrick Santini, who is also the company's founder and the inventor of the ModTruss product line.

Particularly for manufacturing intralogistics: organizing, staging, and moving materials within a facility, those observations inspired the conceptual ideas I shared with you.

I would welcome the opportunity to explore how these concepts could address specific needs in your operation—whether through ModTruss or another practical solution.



Patrick Santini
Owner, Inventor & CEO



Order what you need



Build and modify for generations

Let's Talk

Would you have time for a phone meeting this week? We could discuss the areas you would like to improve and identify a useful starting point.

ModTruss Catalog Download

<https://www.modtruss.com/catalog>

3D Catalog

<https://embed-3dwarehouse-classic.sketchup.com/by/ModTruss?tab=catalogs>

Paschall Website

<https://PaschallFacilityServices.com>

Call to discuss your project needs and budget considerations.

Find an application

Select an entry to open its current catalog page.

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Hero - TITAN Fabrication and robotic welding	8
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Application directory - continued

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Select an entry to open its current catalog page.

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Production and kitting

Multiple assets working together in a production setting.



Imagine the workflow in your facility.

Use the directory to explore the individual workstations and frames shown throughout this catalog.

TITAN | Welding workstation



TITAN | Fabrication and robotic welding



Component reconditioning

Multiple assets working together in a production setting.



Imagine the workflow in your facility.

Use the directory to explore the individual workstations and frames shown throughout this catalog.

Electrical kitting on the production line

Multiple assets working together in a production setting.



Imagine the workflow in your facility.

Use the directory to explore the individual workstations and frames shown throughout this catalog.

Workstations and applications

Application view, structural reference and space for your requirements.

EL-06 - Motive electrical parts and wire rack

SCENE / APPLICATION

FRAME ONLY

YOUR NOTES / SKETCH



Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

Application view, structural reference and space for your requirements.

EL-07 - Wiring harness diagnostics workstation

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

EL-08 - Wire spool and conduit cart

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

Application view, structural reference and space for your requirements.

ED-03 - Combo electronics diagnostics workstation

SCENE / APPLICATION

FRAME ONLY

YOUR NOTES / SKETCH

		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>
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Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

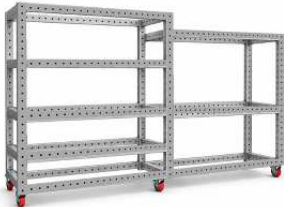
Application view, structural reference and space for your requirements.

ED-05 - Combo electronics diagnostics workstation - equipped

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

ED-07 - Combo2 electronics diagnostics workstation

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

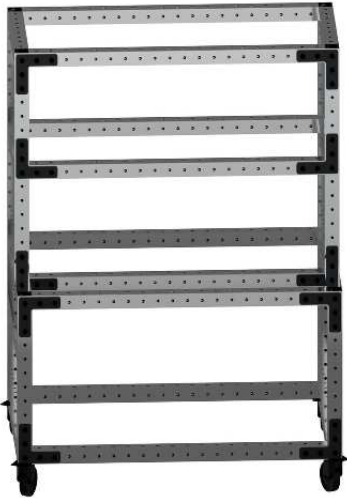
Application view, structural reference and space for your requirements.

ED-08 - Electronics diagnostics cabinet

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

ED-09 - Electronics diagnostic workbench

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

Application view, structural reference and space for your requirements.

PAX-WF-RTS-01 - Robotic welding troubleshooting station

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

ST-05 - TR3 Welding Companion Cart - 54 x 48 x 70 7/8 in

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

WF-02 - Welding Tools and Cylinder Rack

Equipped rack | Trailer fabrication and welding

SCENE / APPLICATION



FRAME ONLY



YOUR NOTES / SKETCH

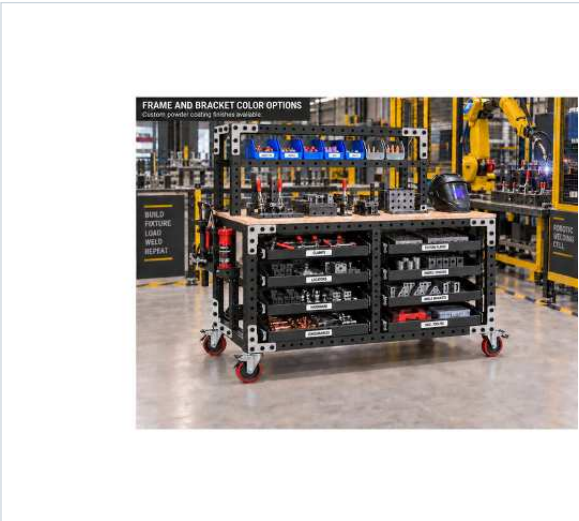
Tools, inventory and accessories shown for application inspiration; final scope by quote.

Workstations and applications

Application view, structural reference and space for your requirements.

WF-03 - Welding fixture kitting cart

SCENE / APPLICATION



FRAME ONLY

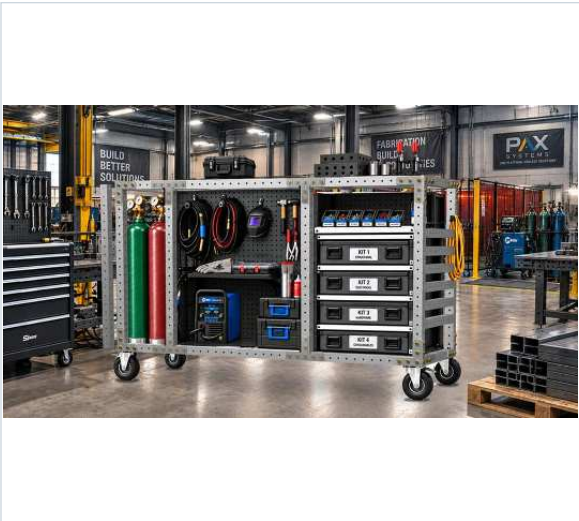


YOUR NOTES / SKETCH

Current accepted presentation. Recorded QC limits remain in the assets sheet.

WF-04 - Welding and fabrication cart - workshop

SCENE / APPLICATION



FRAME ONLY



YOUR NOTES / SKETCH

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

Application view, structural reference and space for your requirements.

WF-06 - TR3 Mobile Welding Workstation - 84 × 42 in

SCENE / APPLICATION



FRAME ONLY



YOUR NOTES / SKETCH

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

Application view, structural reference and space for your requirements.

WCC-04 - Welding Companion - Kitting Parts and Welding Jigs

SCENE / APPLICATION	FRAME REFERENCE	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

WCC-05 - Welding Companion - Cylinders and Supplies

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

Application view, structural reference and space for your requirements.

ST-02 - Materials and electronics parts rack

SCENE / APPLICATION



FRAME ONLY



YOUR NOTES / SKETCH

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

Application view, structural reference and space for your requirements.

ST-02 - Narrow Utility Rack

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		

Current accepted presentation. Recorded QC limits remain in the assets sheet.

ST-02 - Wide Flexible-Shelving Frame

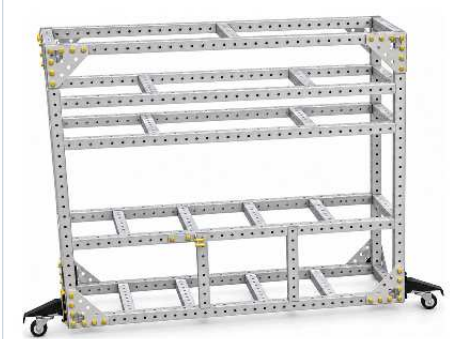
SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

Application view, structural reference and space for your requirements.

ST-03 - Rear Supply Rack

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

ST-04 - TR3 Four-Tray Mobile Kitting Cart - 72 × 42 × 73? in

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

Application view, structural reference and space for your requirements.

MR-04 - TITAN Table | Parts and repair workstation

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		

Current accepted presentation. Recorded QC limits remain in the assets sheet.

B1 - Locomotive blower kitting

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Electrical parts, testing and assembly

SCENE / APPLICATION



FRAME ONLY



YOUR NOTES / SKETCH

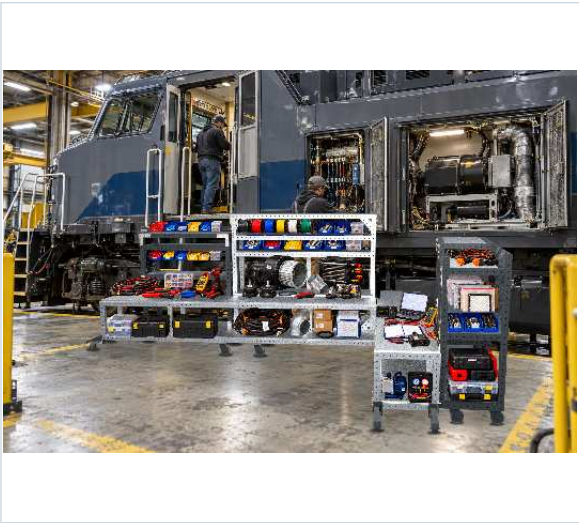
Tools, stock and accessories shown for inspiration; final configuration by quote.

Workstations and applications

Application view, structural reference and space for your requirements.

Behemoth four-table - Four-table native assembly

SCENE / APPLICATION



FRAME ONLY

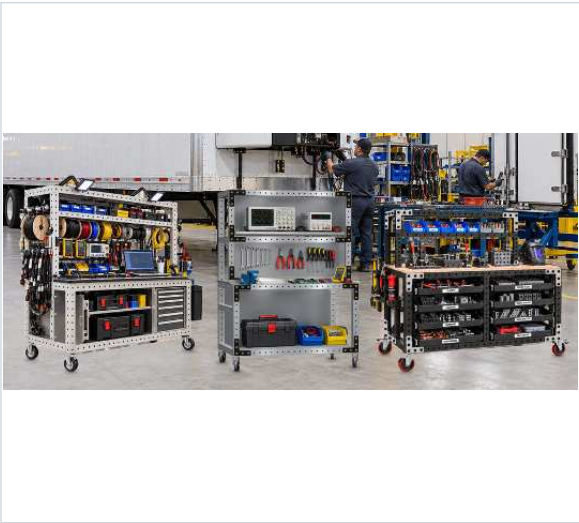


YOUR NOTES / SKETCH

Current accepted presentation. Recorded QC limits remain in the assets sheet.

EL-07 / ED-09 / WF-03 - Component reconditioning workcell hero

SCENE / APPLICATION



FRAME ONLY



YOUR NOTES / SKETCH

Current accepted presentation. Recorded QC limits remain in the assets sheet.

Workstations and applications

Application view, structural reference and space for your requirements.

MR-06 - PAX Welding & Troubleshooting Workstation

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		

Current accepted presentation. Recorded QC limits remain in the assets sheet.

RF-01 - RailFlow integrated workcell - original hero

SCENE / APPLICATION	FRAME ONLY	YOUR NOTES / SKETCH
		

Current accepted presentation. Recorded QC limits remain in the assets sheet.

C077 - Assembly kitting rack

Cab panels, harnesses and installation parts staged together.

LOCOMOTIVE ASSEMBLY KITTING



FRAME VIEW



YOUR NOTES

Padded panel bays, coiled harness storage and labeled parts bins support assembly kitting. Final supplied components and accessories are defined in the project quote.

Application concept. Final configuration, connections, dimensions and capacity require project-specific review. Tools, bins, equipment and other accessories are customer-supplied unless included in the quote.

C057-02 - Facility Generalist

Purchased assembly | Facility maintenance and point-of-use supplies

SCENE / APPLICATION



FRAME ONLY



YOUR NOTES / SKETCH

Assembly configuration and included tools, inventory and accessories specified by quote.

SR-01 - Spool Rack

Spool Racks & Hanging Materials | 16 spool positions. Two TR6 pedestals. TR3 base.

LOADED SPOOL RACK



SPOOL RACK FRAME ONLY



SR-01

- Two pedestals
- Four levels each
- One reel per pipe end
- Staggered rear shafts
- Conventional casters

YOUR NOTES

One protected frame, shown equipped and as a frame package.

- Wire reels illustrate use. Reel dimensions and loads are project-specific.
- Conventional 6-inch casters and flat adapters. Native frame body and reels retained.
- Custom parts, connections, loads and end-plug mounting hardware remain under review.

SR-02 - Large Spool Rack

Spool Racks & Hanging Materials | Six large spools shown. Two TR6 pedestals.

SCENE 1



SCENE 2



FRAME-ONLY OFFERING



SR-02

- Six spools shown
- Upper shaft retained
- Staggered shafts
- 30-inch reel concept
- Conventional casters
- Flat adapter plates

YOUR NOTES

Two scene perspectives. One matching frame package.

- TR3 base: 60 x 66 in. Native TR6 pedestals: 72 in.
- Spool size and quantity illustrate configuration options; no payload rating is assigned.
- Scene 2 shows the base clearly. Frame-only uses the same perspective.
- Concept illustration. Custom adapters, fasteners, shaft sizing and stability require review.
- Earlier oversized-caster views are superseded. Product and source records remain separate.

SR-03 - Compact 8-Spool Rack

Spool Racks & Hanging Materials | Native Assembly R01

NATIVE FRAME - SOURCE-COMPONENT ASSEMBLY



60 x 30-inch base | Two 72-inch TR3 uprights | 82.875-inch frame height

Four horizontal pipe braces span both uprights. Four shafts provide eight spool positions.

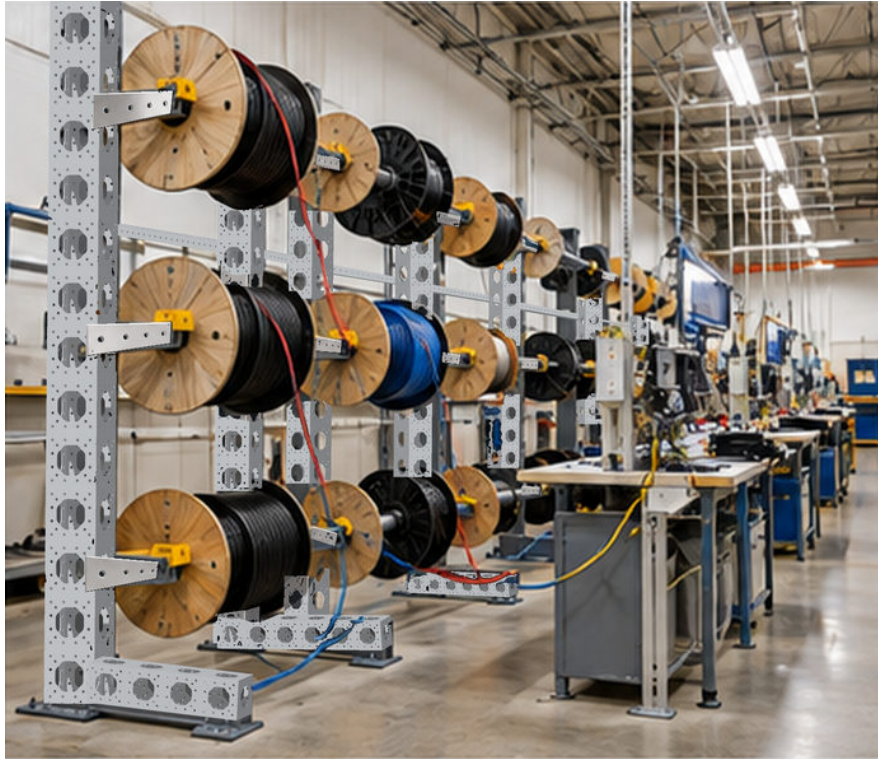
Concept configuration. Custom caster adapters, fastening, shaft/reel fit, loads and stability require project-specific review. No capacity rating is assigned.

PAX_SR-03_Compact_8_Spool_Rack | DAE + matching frame-only render: Native Assembly R01

PAX SR-06 - MT12 Cantilever Large Spool Racks

Spool Racks & Hanging Materials

SCENE / APPLICATION



Cantilever storage for large cable spools

Stationary large-spool rack wall system using native TR12 posts and feet with TR3 horizontal ties.
Existing production tables are shown in the application scene.

Rack configuration and frame package by quote.

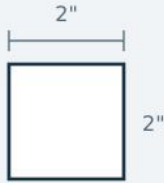
Spools, cables and existing tables shown for application context.

Choose a frame around the task

Nominal member families; final selection is project-specific.

TR2

2" x 2" member

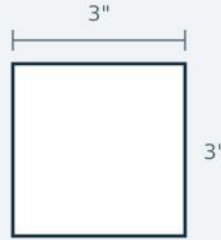


Compact member option

Potential shelf or intermediate-support use.

TR3

3" x 3" member

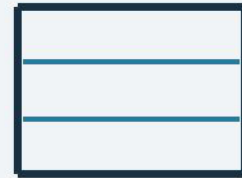


Larger member option

Primary framing or other application-specific use.

HYBRID

TR3 + selected TR2 supports



Combine where appropriate

TR3 main frame with selected TR2 intermediate supports.

Nominal section sizes shown at the same scale. Hybrid diagram illustrates member placement only.

ONE RACK. THREE MEMBER-SIZE OPTIONS.

Native component geometry • One common drawing scale • Same six casters

TR3



COLIN
6' 0" reference



3-inch members throughout
129 x 30 x 84 in frame

HYBRID



3-inch posts / 2-inch intermediate rails
129 x 30 x 84 in frame

TR2 CONCEPT



2-inch members throughout
126 x 28 x 84 in frame

3-inch pitch and 1.5-inch end offsets retained. Bore diameters: TR3 0.6875 in / 2-inch concept 0.4583 in. Concept assembly. Connections omitted. The 2-inch component is a PAX derivative, not an official TR2 specification.

Final member sizes, spans, connections and loading require application review. Tools, equipment and accessories are customer-supplied unless



MT-TR 3" x 3" ALUMINUM TRUSS 10'-0" (120") LONG MEMBER

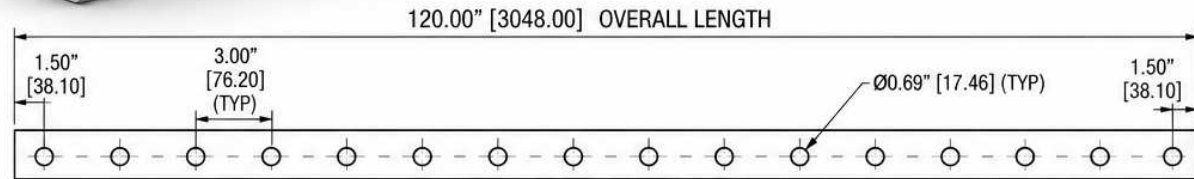
PART NUMBER: MT-TR-03-03-120-AL

STANDARD LENGTHS (12" INCREMENTS)

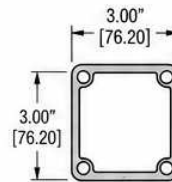
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24.00" [609.60]		MT-TR-03-03-024-AL
36.00" [914.40]		MT-TR-03-03-036-AL
48.00" [1219.20]		MT-TR-03-03-048-AL
60.00" [1524.00]		MT-TR-03-03-060-AL
72.00" [1828.80]		MT-TR-03-03-072-AL
84.00" [2133.60]		MT-TR-03-03-084-AL
96.00" [2438.40]		MT-TR-03-03-096-AL
108.00" [2743.20]		MT-TR-03-03-108-AL
120.00" [3048.00]		MT-TR-03-03-120-AL



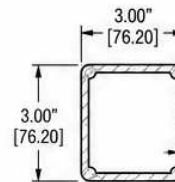
MATERIAL:
Aluminum (AL)
U.S. Patent No. 8,418,425
& other patents pending



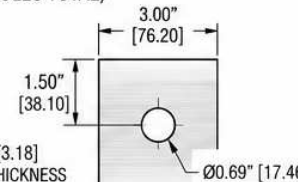
LONG FACE VIEW (120" MEMBER)
(40 HOLES TOTAL)



**END VIEW
(3" x 3")**



**SECTION A-A
(CROSS-SECTION)**



FACE DETAIL (TYP)

NOTES:

1. All dimensions are in inches [millimeters].
2. 3" x 3" face: Single row of Ø0.69" (11/16") holes on center at 3.00" [76.20] O.C.
3. First and last hole centers: 1.50" [38.10] from each end.
4. 120" member has 40 holes total.
5. Standard lengths in 12" increments from 12" to 120".
6. Wall thickness: 0.125" [3.18] (typ).
7. Material: Aluminum (AL).



DESCRIPTION:
MT-TR 3" x 3" ALUMINUM TRUSS
10'-0" (120") LONG MEMBER

PART NUMBER:
MT-TR-03-03-120-AL

MATERIAL:
ALUMINUM (AL)

SCALE:
NTS

DATE:
6/10/2024

SHEET:
1 OF 1

U.S. Patent No. 8,418,425 & other patents pending.

www.modtruss.com



6" TR (MT-TR-06-06-XXX-AR) MASTER ASSET – CATALOG EXACT

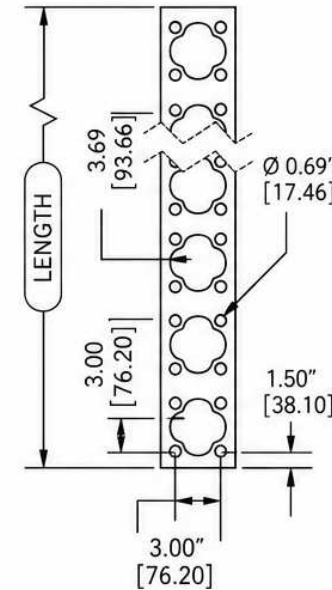
- 6" x 6" aluminum truss
- True catalog clover geometry (subtle radius as shown)
- Four Ø 0.69" connection holes (tight to clover)
- 3.00" center-to-center spacing
- 1.50" first/last center from end
- No additional holes
- Production accurate



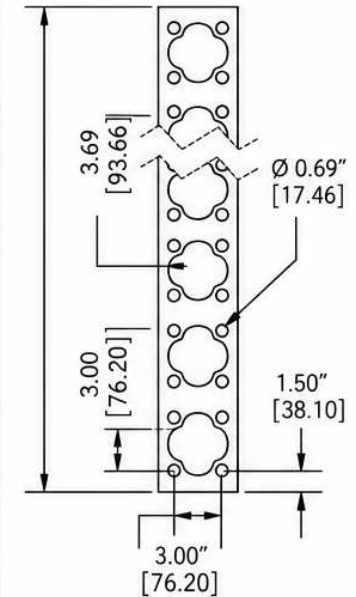
MT-TR-06-06-060-AR

60" LENGTH (20 CLOVER STATIONS)
3.00" O.C. | 1.50" FROM EACH END

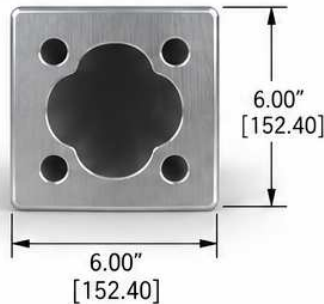
CATALOG DRAWING (YOUR REFERENCE)



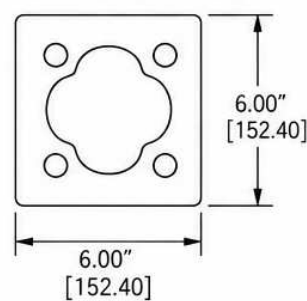
TRACED LINE ASSET (EXACT GEOMETRY FROM CATALOG)



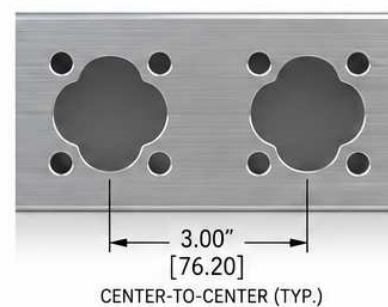
END VIEW (RENDER)



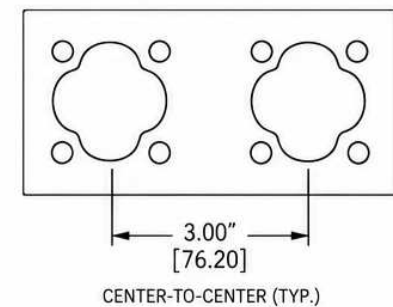
END VIEW (LINE DRAWING)



PATTERN CLOSE-UP (RENDER)



PATTERN CLOSE-UP (LINE DRAWING)



6" TR – STANDARD MEMBER
ACCURATE GEOMETRY. REAL PERFORMANCE.

ModTruss®
ALUMINUM TRUSS SYSTEMS

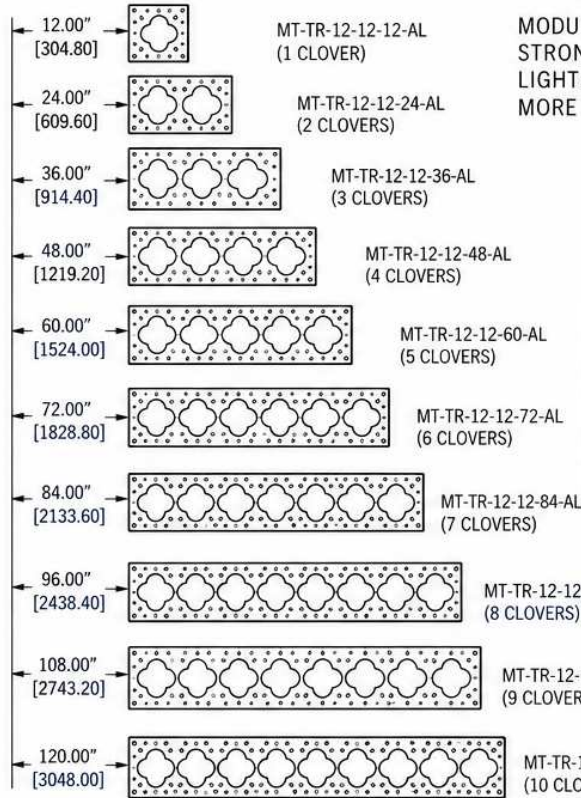
SAME DESIGN.
REAL POSSIBILITIES.®



ModTruss®
BUILD MORE POSSIBLE.®

STANDARD LENGTHS

(12" INCREMENTS – FULL CLOVER PATTERNS ONLY)

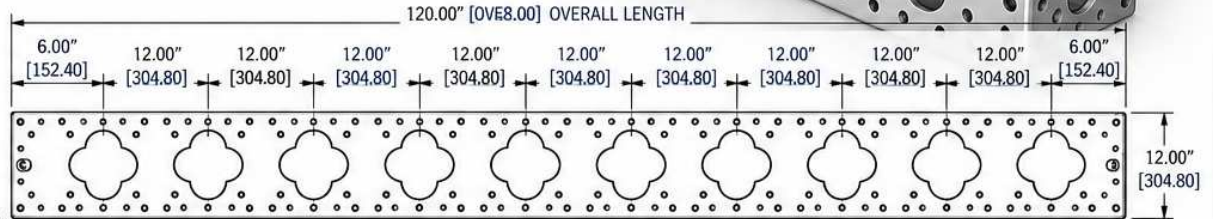


MODULAR.
STRONGER.
LIGHTER.
MORE POSSIBLE.®

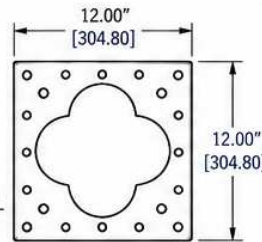


MT-TR-12-12-120-AL
12" x 12" ALUMINUM TRUSS
10'-0" (120") LONG MEMBER

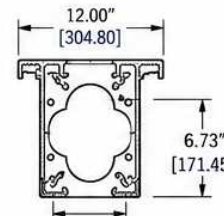
MT-TR-12-12-120-AL
12" x 12" ALUMINUM TRUSS
10'-0" (120") LONG MEMBER
(10 FULL CLOVERS)



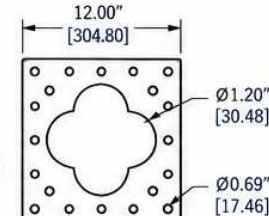
LONG FACE VIEW (120" MEMBER)
(10 FULL CLOVERS – 12.00" CENTER TO CENTER)



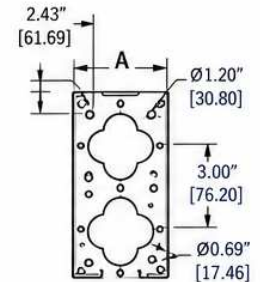
END VIEW



SECTION A-A
(THRU CLOVER)



FACE DETAIL
(TYPICAL – BOTH FACES)



DETAIL A
(HOLE PATTERN)



ModTruss®
BUILD MORE POSSIBLE.®

DESCRIPTION:
12" x 12" ALUMINUM TRUSS
10'-0" (120") LONG MEMBER

PART NUMBER:
MT-TR-12-12-120-AL

MATERIAL:
ALUMINUM (AL)

SCALE:
NTS

DATE:
6/10/2024

SHEET:
1 OF 1

01 Start with collaboration.

Start with a conversation. Walk the operation together.



Understand the work. Shape the solution together.

Your space, inventory and workflow guide the collaboration.

YOUR NOTES

SKETCH

02 Order what you need.

Choose the components and quantities for the work you have today.



Start with one rack. Keep the next step open.

A small project, ongoing changes, or inventory for what comes next.

YOUR NOTES

SKETCH

03 Assemble for today.

Put the selected components to work around the current requirement.



Build around the task.

Then adapt the configuration as your inventory and workflow change.

YOUR NOTES

SKETCH

04 Scale with your operation.

From ongoing needs to outfitting a new manufacturing facility.



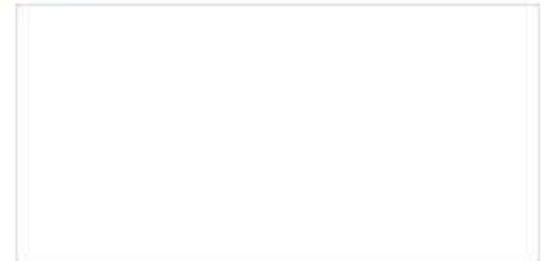
Order for the work ahead.

Your project determines the components and quantities.

Add inventory as your requirements and operations grow.

YOUR NOTES

SKETCH



05 Bring larger configurations together.

A real ModTruss assembly at a larger scale.



From individual parts to larger assemblies.

YOUR NOTES

SKETCH

06 Walk the result together.

From the first conversation to the result, collaboration carries the work forward.



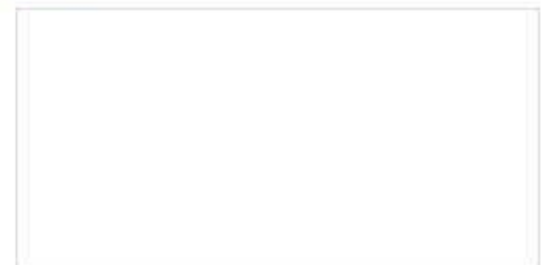
Your operation. Your next configuration.

Let us talk about what could work in your facility.

Darrell Paschall | 262-206-4928

YOUR NOTES

SKETCH



TITAN | Fully equipped fabrication workstation



