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Tate Alustra

Panel Sizing Guide

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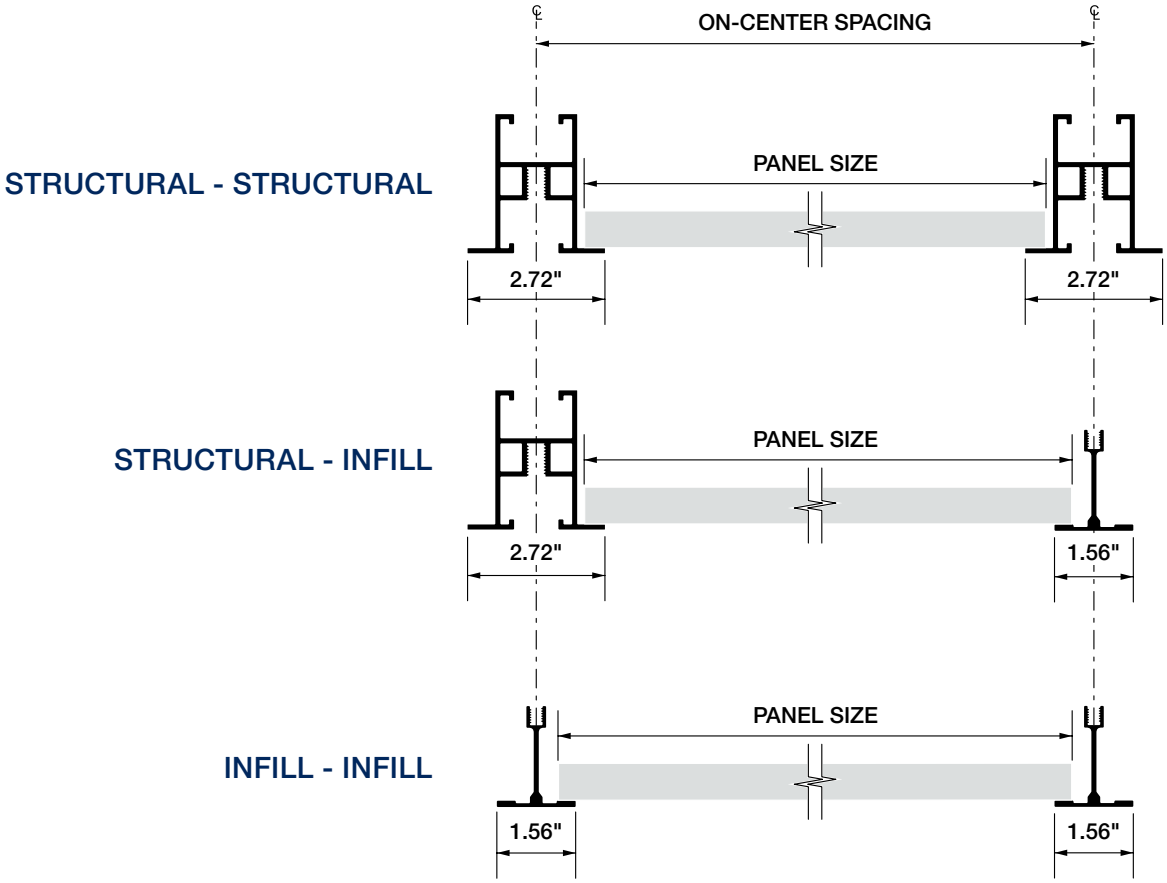
BUILDING A SMARTER WORLD TOGETHER.

Grid Layout Design Options

Constructing grid layouts can use a combination of three possible types of profile combinations, resulting in varying widths for panel placement.

Accordingly, the required panel sizes will be affected by grid member type and placement. The following is a general guide to designing layout strategy.



Raised Access Flooring (see pages 3-16)

PROS:

- Whole unit grid spacing (e.g. 24” o.c. x 48” o.c.)
- Aligns with raised floor grid
- Aligns floor-to-ceiling components
- Setting out can be achieved from single point

CONS:

- Requires multiple custom panel sizes
- Panel sizes must be matched to specific locations and orientations

Oversized (see pages 17-27)

PROS:

- Uses uniform standard ceiling panel sizes.

CONS:

- Irregular grid size
- Tolerance creep

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Raised Access Floor Module

Hard Module
2' x 4' Panel

STRUCTURAL MAIN RUNNER

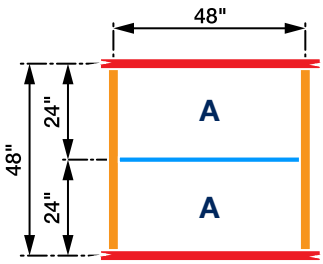
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

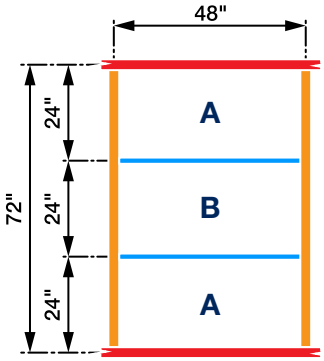
LIGHTWEIGHT TEE

Panel Dimensions Key	A	46-1/8" x 22-7/8"	B	46-1/8" x 23-5/8"	C	46-7/8" x 22-7/8"	D	46-7/8" x 23-5/8"

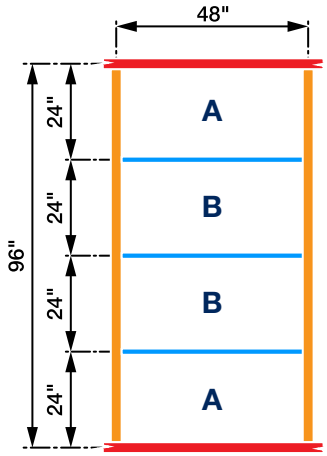
4' x 4'



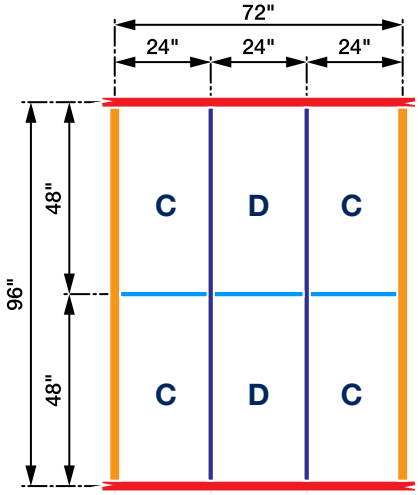
4' x 6'



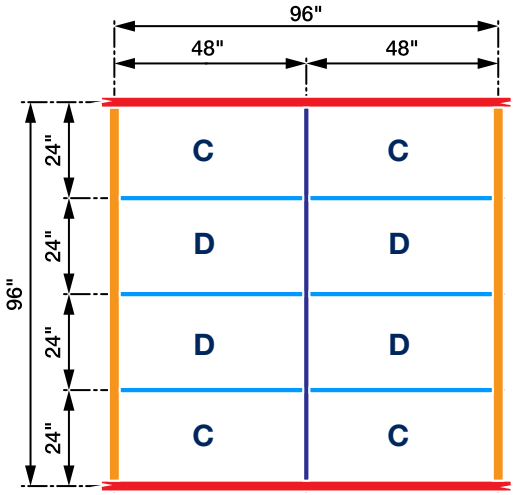
4' x 8'



6' x 8'



8' x 8'



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Raised Access Floor Module

Hard Module
2' x 2' Panel

STRUCTURAL MAIN RUNNER

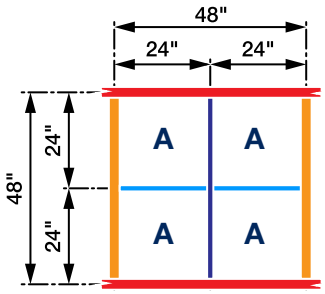
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

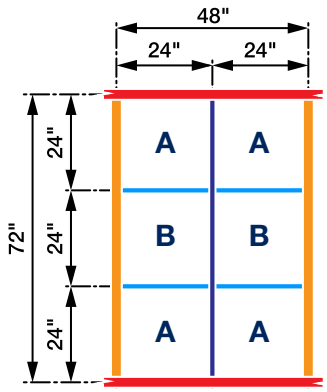
LIGHTWEIGHT TEE

Panel Dimensions Key	A	22-7/8" x 22-7/8"	B	22-7/8" x 23-5/8"	C	23-5/8" x 23-5/8"

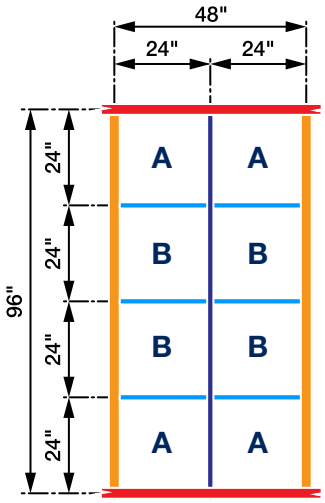
4' x 4'



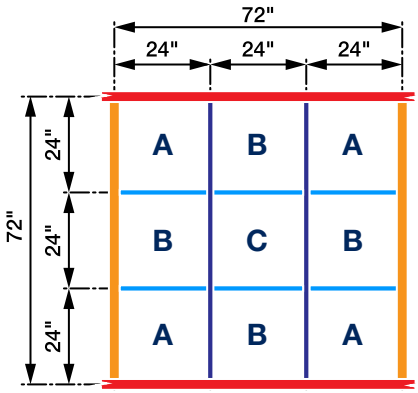
4' x 6'



4' x 8'



6' x 6'



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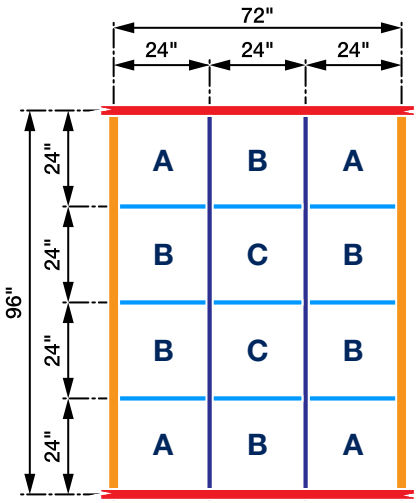
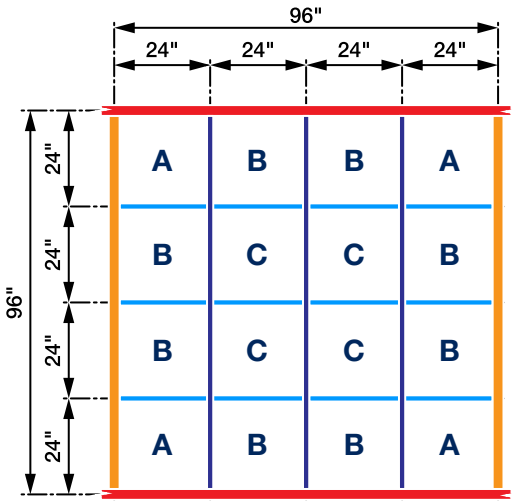


8' x 8'



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Raised Access Floor Module

Even Sizing Light Infill
2' x 4' Panel

STRUCTURAL MAIN RUNNER

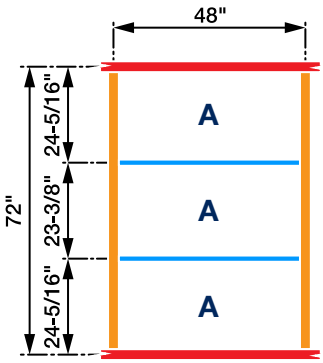
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

LIGHTWEIGHT TEE

Panel Dimensions Key							
A	46-1/8" x 23-0"	B	46-1/8" x 23-1/8"	C	46-3/4" x 23-0"	D	46-3/4" x 23-1/8"

4' x 6'



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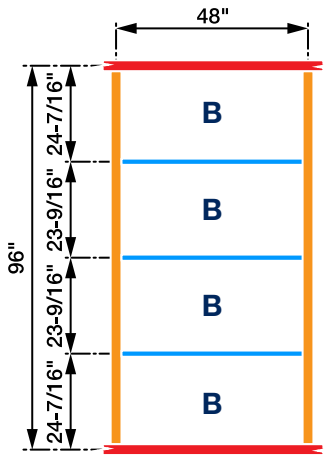

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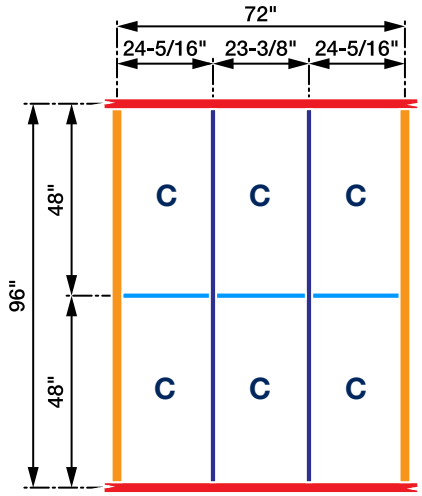

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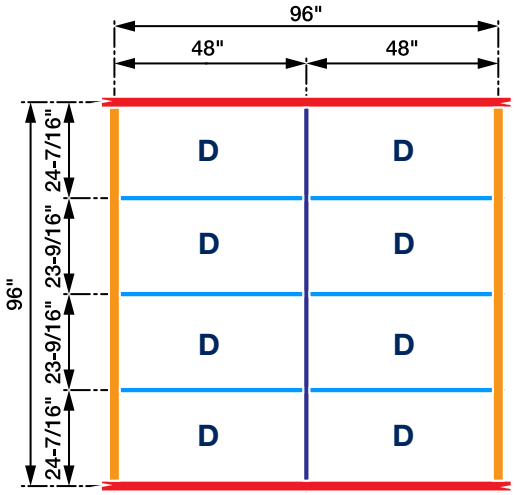

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Raised Access Floor Module

Even Sizing Light Infill
2' x 2' Panel

STRUCTURAL MAIN RUNNER

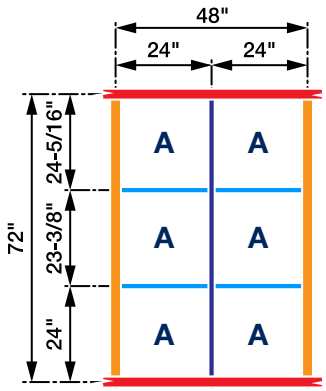
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

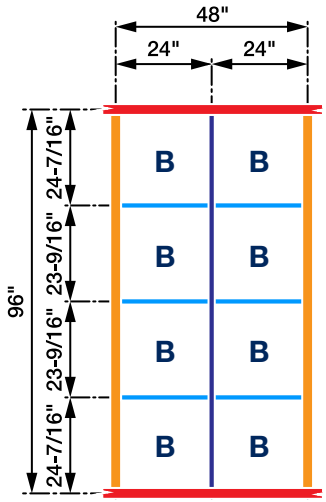
LIGHTWEIGHT TEE

Panel Dimensions Key	A	B	C	D	E
	23-0" x 22-7/8"	23-1/8" x 22-7/8"	23-0" x 23-0"	23-0" x 23-1/8"	23-1/8" x 23-1/8"

4' x 6'



4' x 8'



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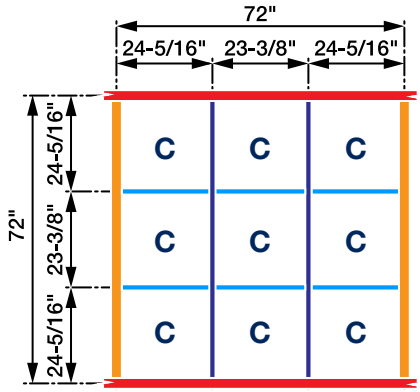

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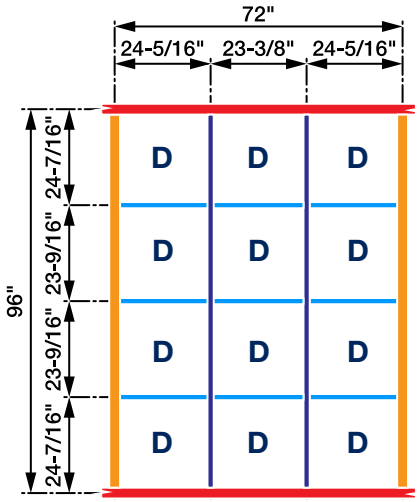
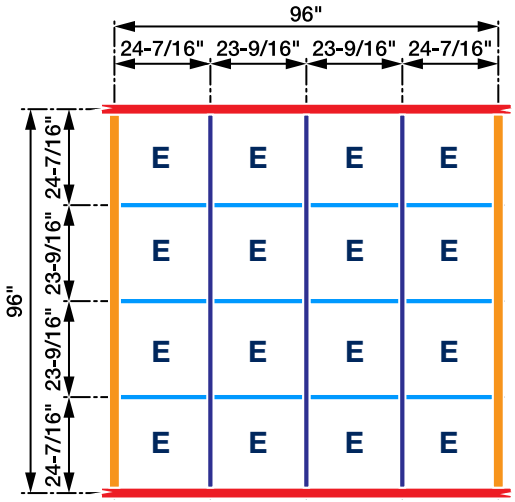


8' x 8'



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Raised Access Floor Module

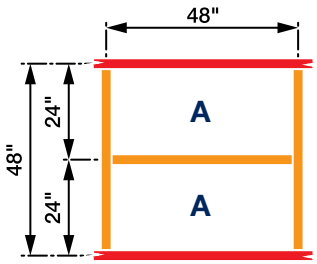
All Structural
2' x 4' Panel

STRUCTURAL MAIN RUNNER

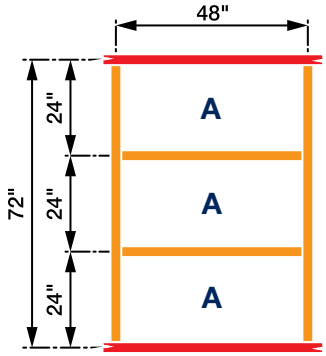
STRUCTURAL TEE

Panel Dimensions Key		
	A	22-1/8" x 46-1/8"

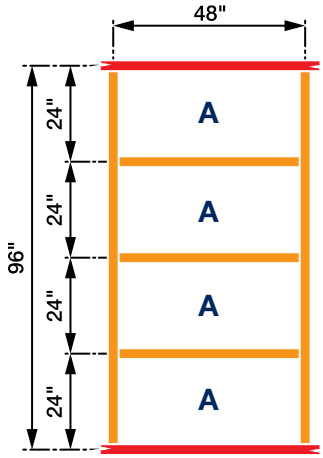
4' x 4'



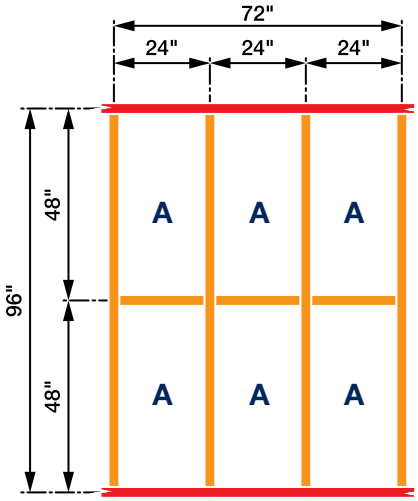
4' x 6'



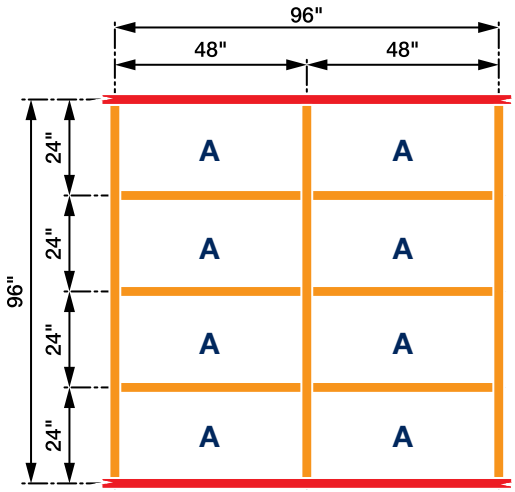
4' x 8'



6' x 8'



8' x 8'



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Raised Access Floor Module

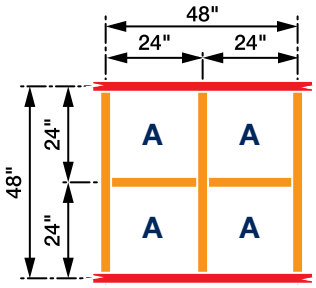
All Structural
2' x 2' Panel

STRUCTURAL MAIN RUNNER

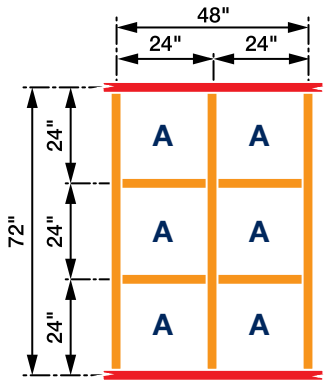
STRUCTURAL TEE

Panel Dimensions Key	A	22-1/8" x 22-1/8"

4' x 4'



4' x 6'



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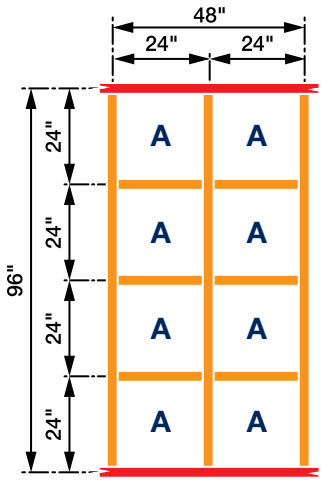

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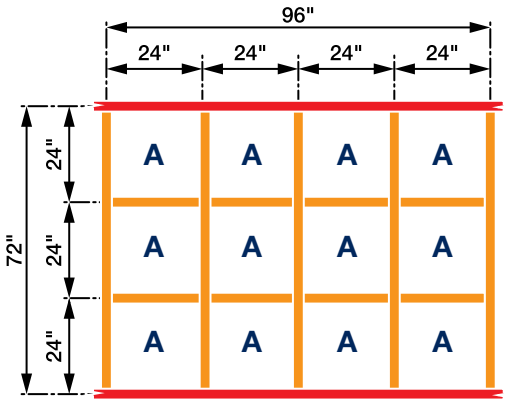

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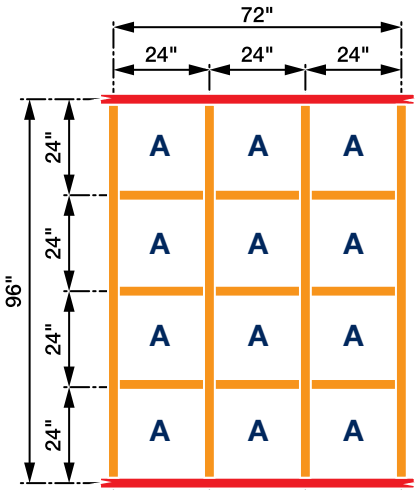

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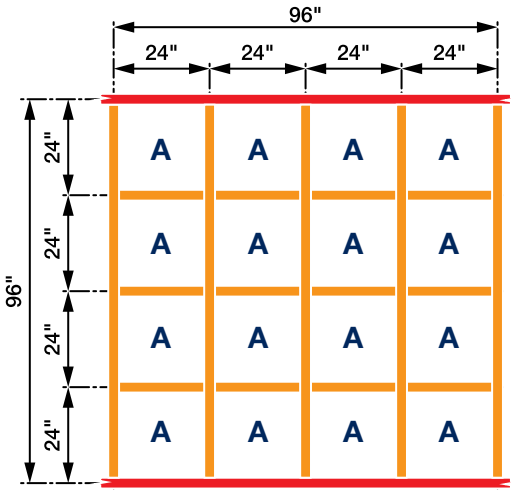

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Raised Access Floor Module

Combos
2' x 4' Panel

STRUCTURAL MAIN RUNNER

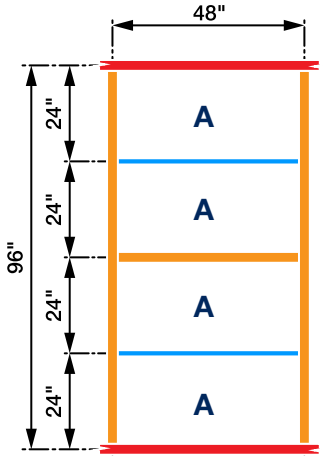
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

LIGHTWEIGHT TEE

Panel Dimensions Key	A	46-1/8" x 22-7/8"	B	46-7/8" x 22-1/8"	C	46-1/8" x 23-5/8"

4' x 8'



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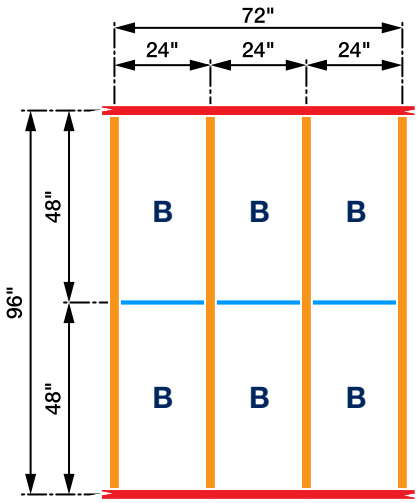

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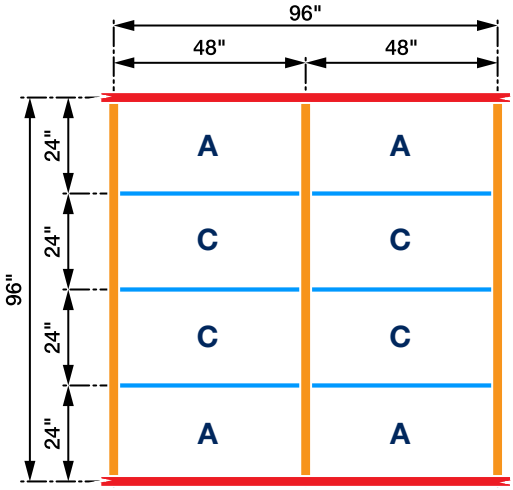

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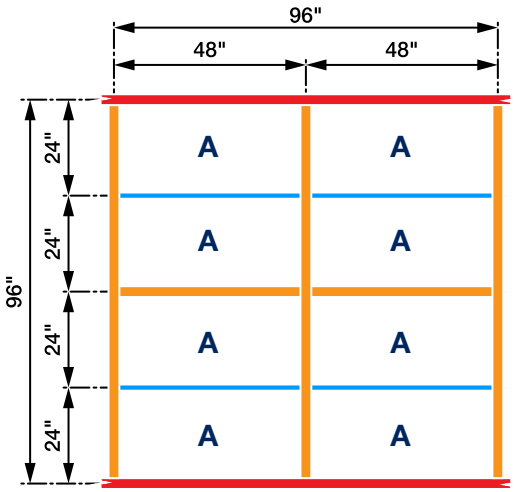

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Raised Access Floor Module

Combos
2' x 2' Panel
EQUAL PANEL SIZES (CONT.)

STRUCTURAL MAIN RUNNER

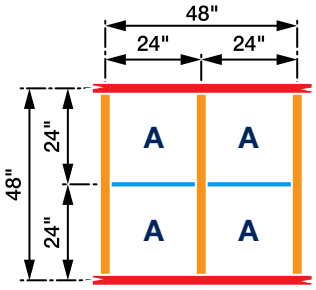
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

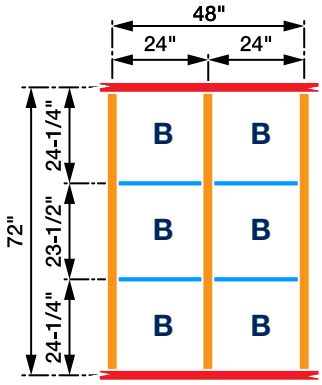
LIGHTWEIGHT TEE

Panel Dimensions Key	A	22-7/8" x 22-1/8"	B	23-1/8" x 22-1/8"	C	23-1/4" x 22-1/8"

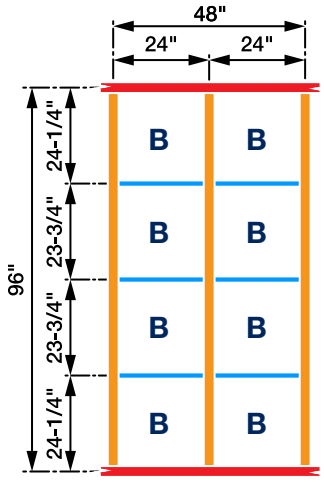
4' x 4'



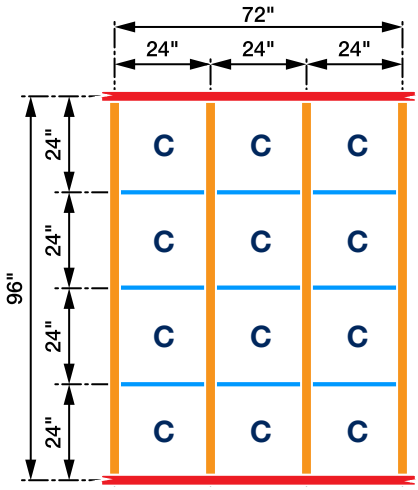
4' x 6'



4' x 8'



6' x 8'



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Raised Access Floor Module

Combos
2' x 2' Panel

STRUCTURAL MAIN RUNNER

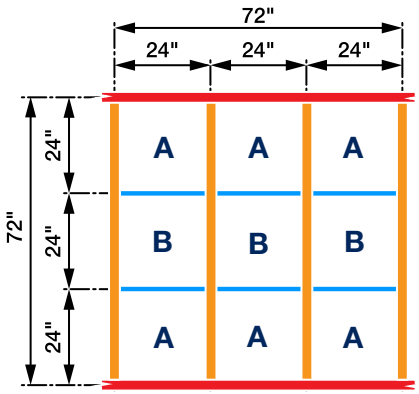
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

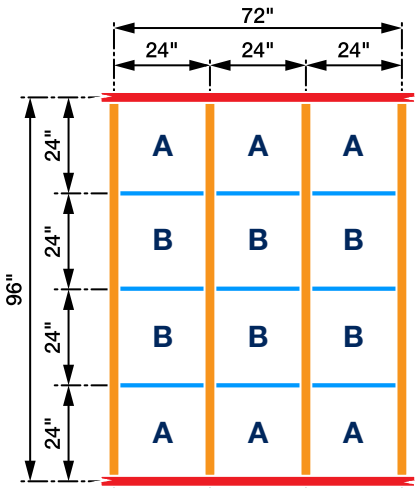
LIGHTWEIGHT TEE

Panel Dimensions Key	A	22-1/8" x 22-7/8"	B	22-1/8" x 23-5/8"	C	22-7/8" x 22-7/8"	D	23-5/8" x 22-7/8"

6' x 6'



6' x 8'



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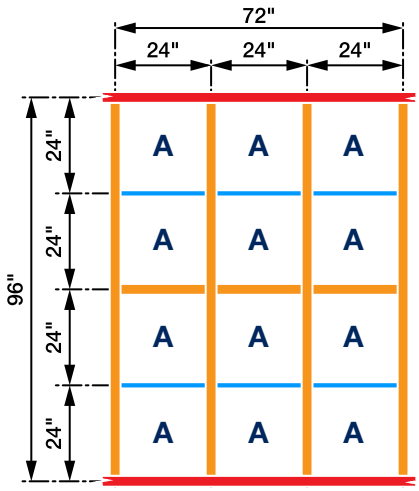
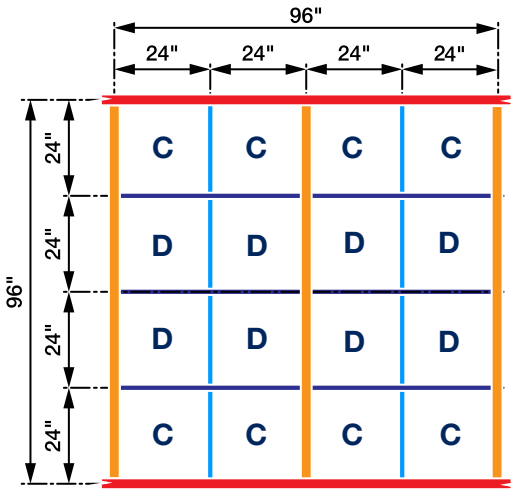
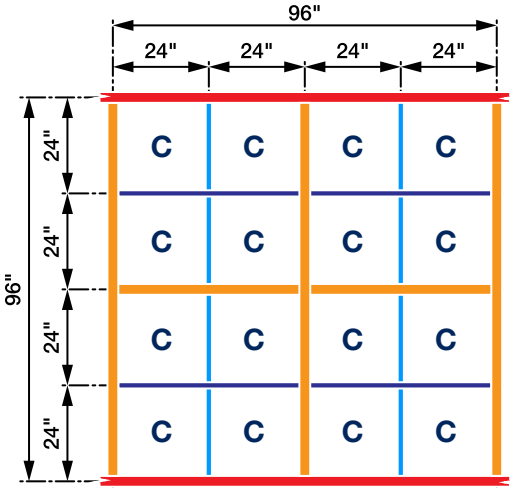


8' x 8'



8' x 8'



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Raised Access Floor Module

Large Format
4' x 4' Panel

STRUCTURAL MAIN RUNNER

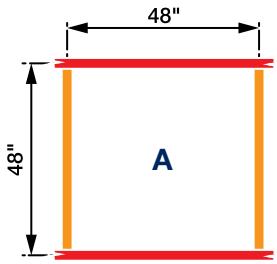
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

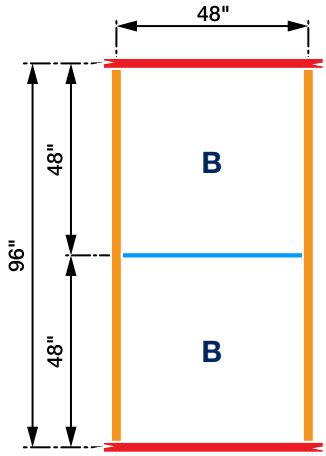
LIGHTWEIGHT TEE

Panel Dimensions Key	A	46-1/8" x 46-1/8"	B	46-7/8" x 46-1/8"	C	46-7/8" x 46-7/8"

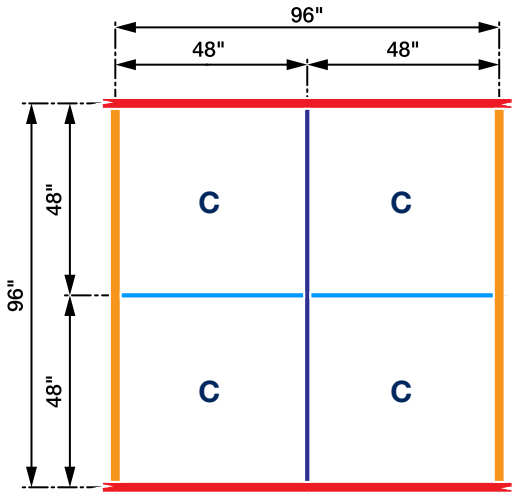
4' x 4'



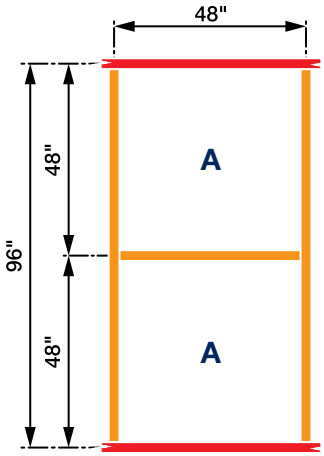
4' x 8'



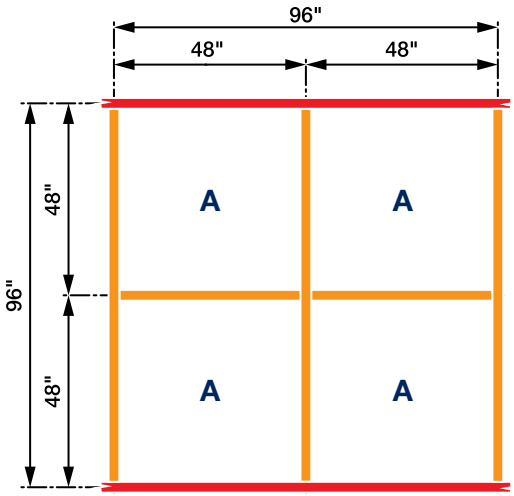
8' x 8'



4' x 8'



8' x 8'



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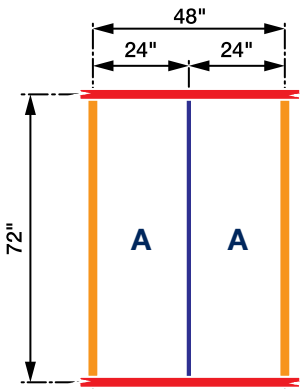
Raised Access Floor Module

Large Format
2' x 6' Panel

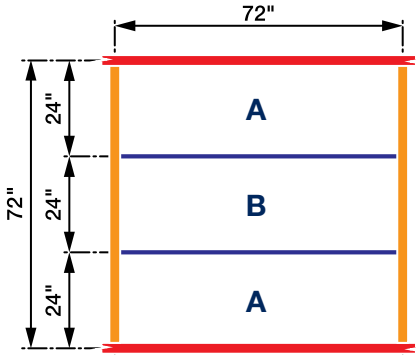
STRUCTURAL MAIN RUNNER
STRUCTURAL TEE
LIGHTWEIGHT PRIMARY TEE
LIGHTWEIGHT TEE

Panel Dimensions Key	A	70-1/8" x 22-7/8"	B	70-1/8" x 23-5/8"	C	70-1/8" x 23"	D	70-1/8" x 23-1/8"

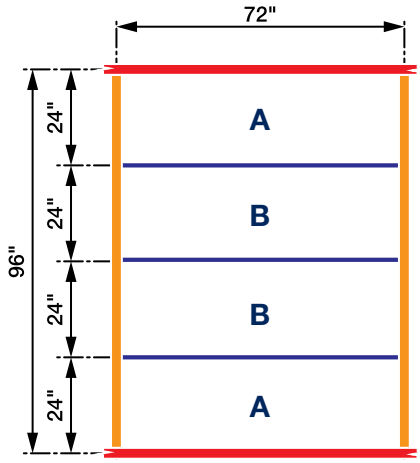
4' x 6'



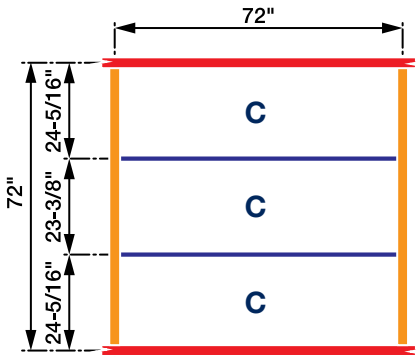
6' x 6'



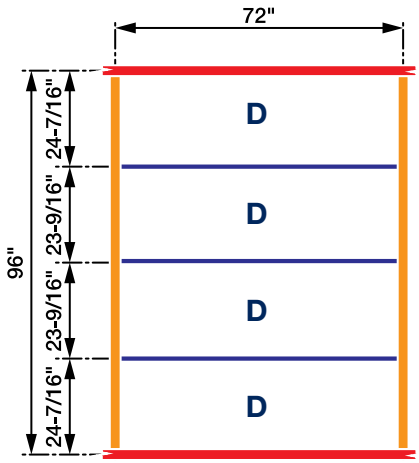
6' x 8'



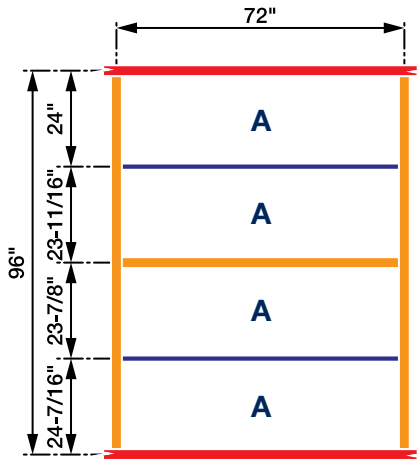
6' x 6'



6' x 8'



6' x 8'



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Raised Access Floor Module

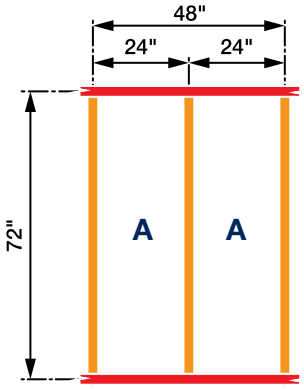
Large Format
2' x 6' Panel

STRUCTURAL MAIN RUNNER

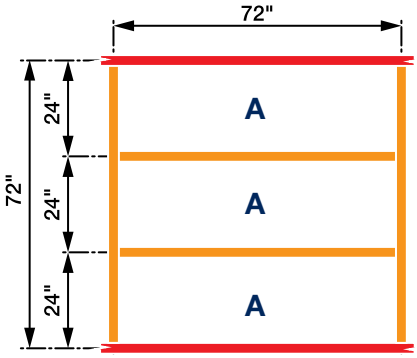
STRUCTURAL TEE

Panel Dimensions Key		
	A	22-1/8" x 70-1/8"

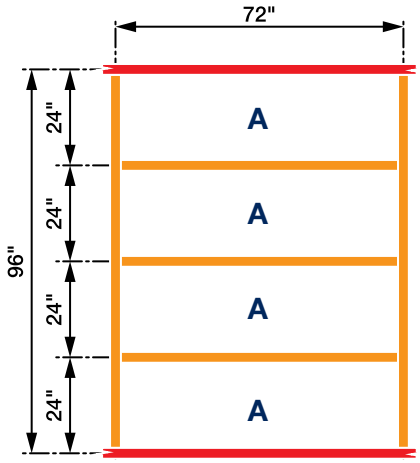
4' x 6'



6' x 6'



6' x 8'



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Raised Access Floor Module

Large Format
2' x 8' Panel

STRUCTURAL MAIN RUNNER

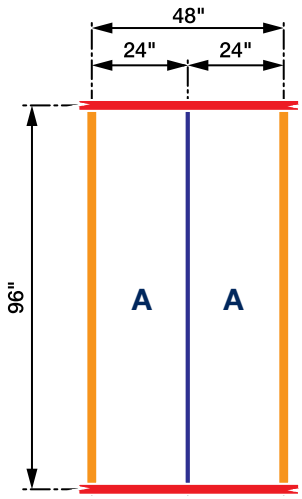
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

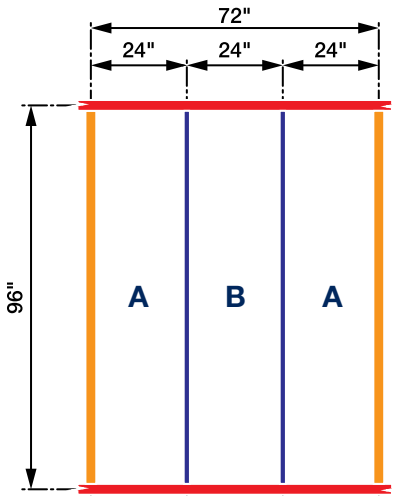
LIGHTWEIGHT TEE

Panel Dimensions Key	A	B	C	D	E
	22-7/8" x 94-1/8"	23-5/8" x 94-1/8"	22-1/8" x 94-1/8"	23" x 94-1/8"	23-1/8" x 94-1/8"

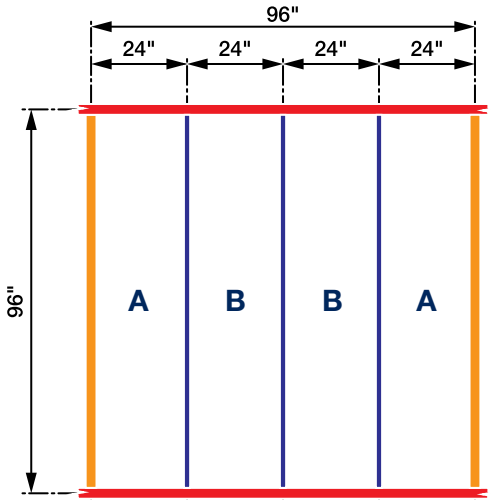
4' x 8'



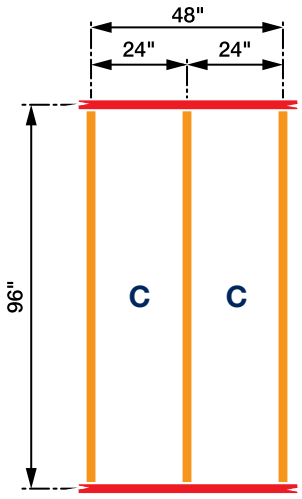
6' x 8'



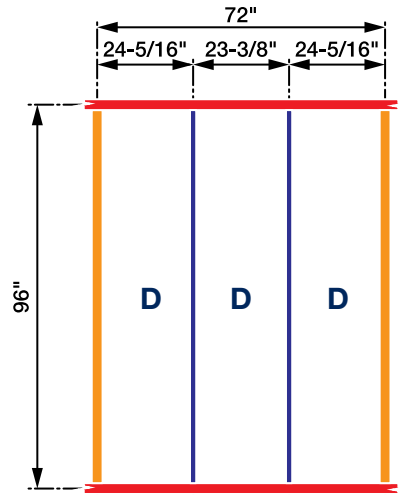
8' x 8'



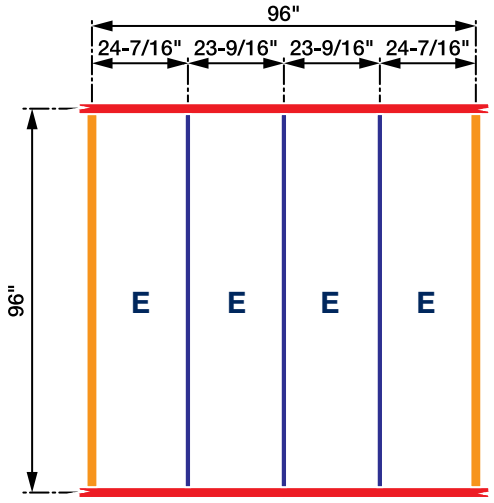
4' x 8'



6' x 8'



8' x 8'



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Raised Access Floor Module

Large Format
2' x 8' Panel

STRUCTURAL MAIN RUNNER

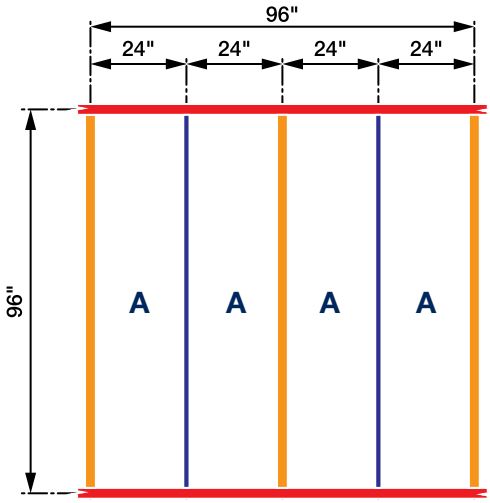
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

LIGHTWEIGHT TEE

Panel Dimensions Key		
	A	22-7/8" x 94-1/8"

8' x 8'



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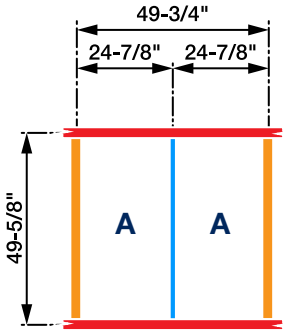
Oversized Module

Light Infill
2' x 4' Panel

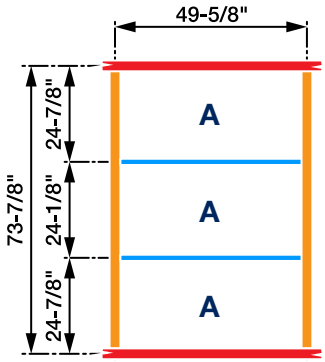
STRUCTURAL MAIN RUNNER
STRUCTURAL TEE
LIGHTWEIGHT PRIMARY TEE
LIGHTWEIGHT TEE

Panel Dimensions Key		
	A	47-3/4" x 23-3/4"

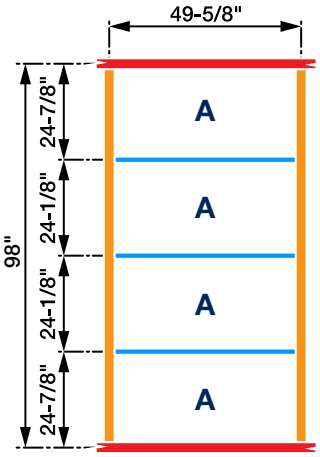
4' x 4'



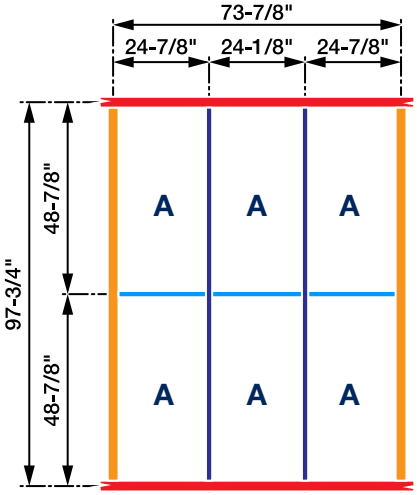
4' x 6'



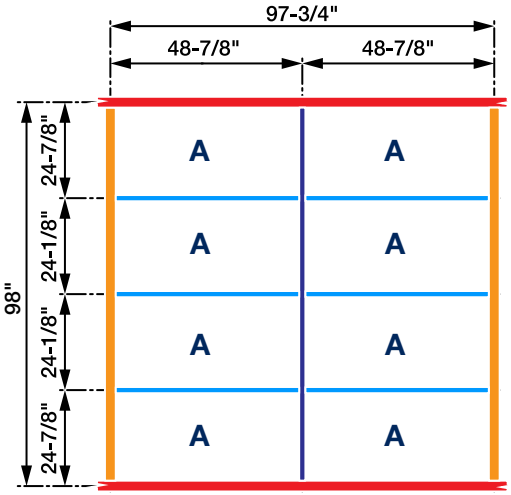
4' x 8'



6' x 8'



8' x 8'



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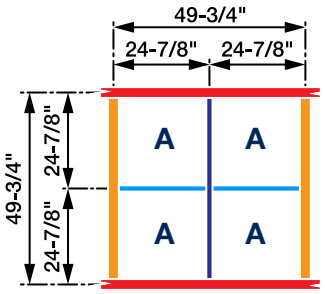
Oversized Module

Light Infill
2' x 2' Panel

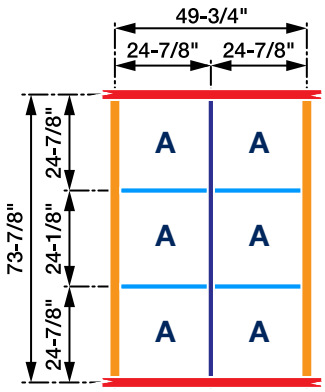
STRUCTURAL MAIN RUNNER
STRUCTURAL TEE
LIGHTWEIGHT PRIMARY TEE
LIGHTWEIGHT TEE

Panel Dimensions Key	A	23-3/4" x 23-3/4"

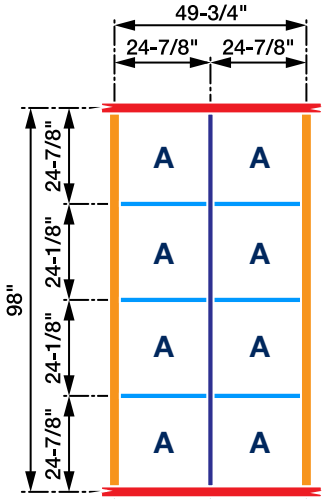
4' x 4'



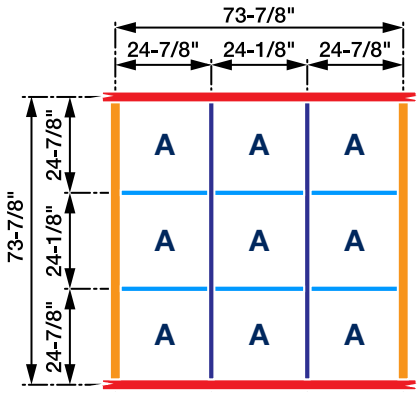
4' x 6'



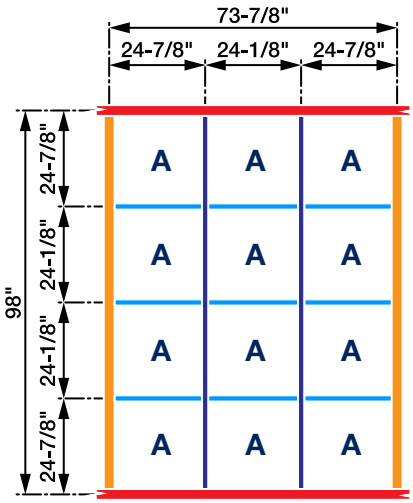
4' x 8'



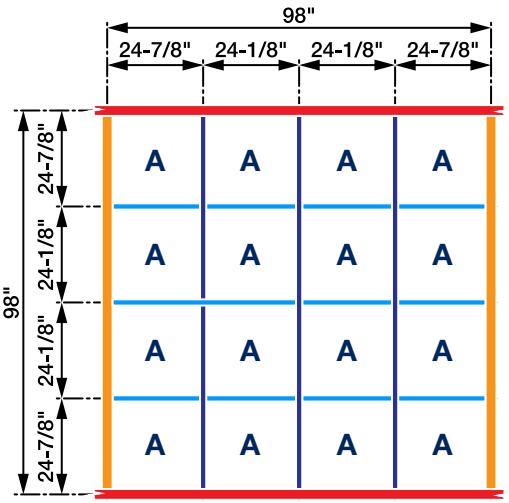
6' x 6'



6' x 8'



8' x 8'



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Oversized Module

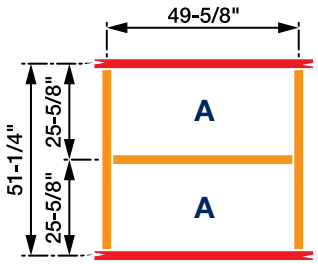
All Structural
2' x 4' Panel

STRUCTURAL MAIN RUNNER

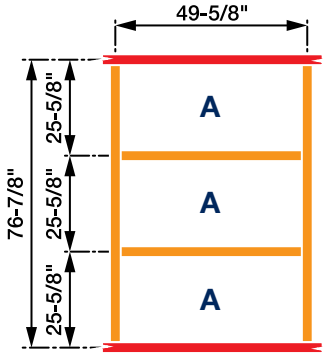
STRUCTURAL TEE

Panel Dimensions Key		
	A	47-3/4" x 23-3/4"

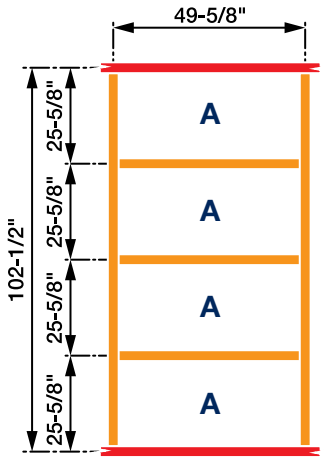
4' x 4'



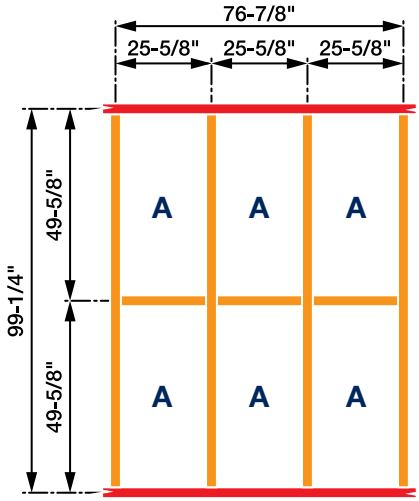
4' x 6'



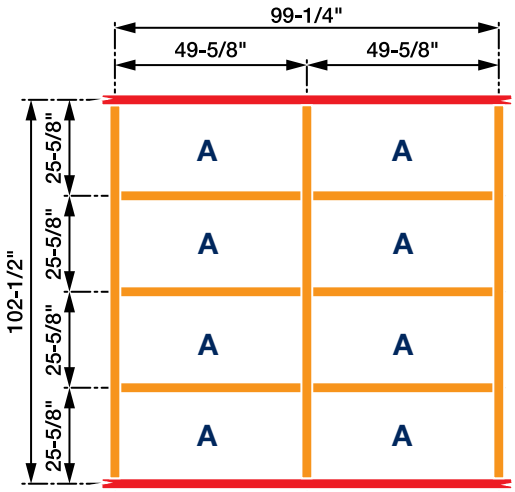
4' x 8'



6' x 8'



8' x 8'



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Oversized Module

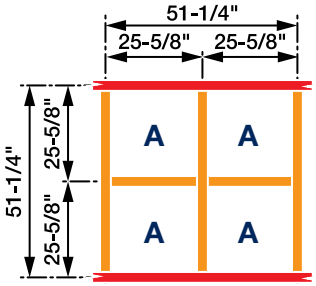
All Structural
2' x 2' Panel

STRUCTURAL MAIN RUNNER

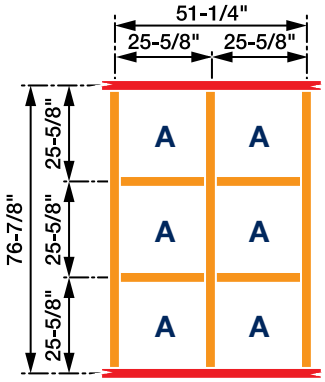
STRUCTURAL TEE

Panel Dimensions Key		
	A	23-3/4" x 23-3/4"

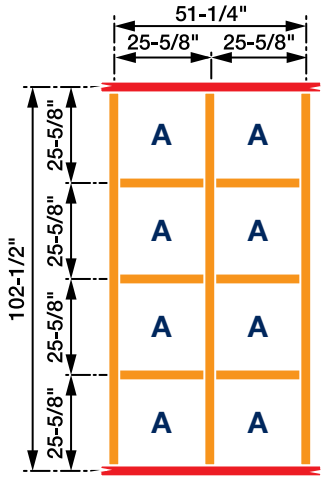
4' x 4'



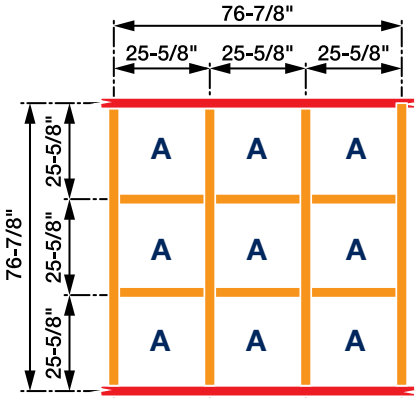
4' x 6'



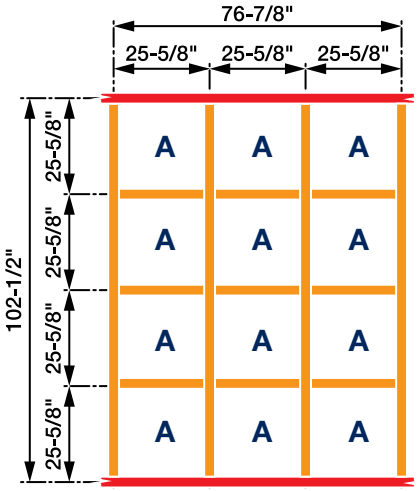
4' x 8'



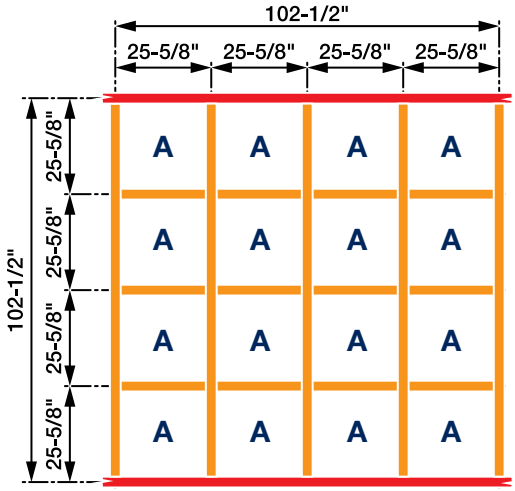
6' x 6'



6' x 8'



8' x 8'



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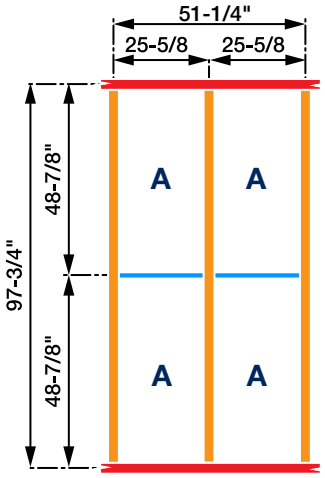
Oversized Module

Combos
2' x 4' Panel

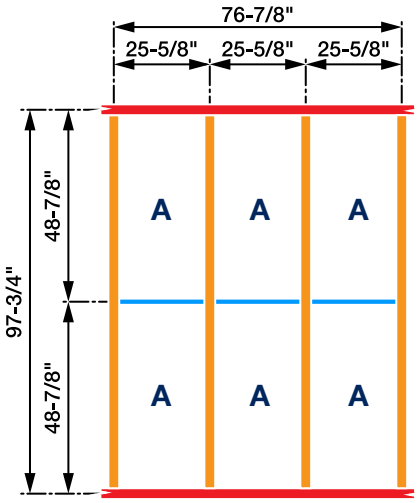
STRUCTURAL MAIN RUNNER
STRUCTURAL TEE
LIGHTWEIGHT PRIMARY TEE
LIGHTWEIGHT TEE

Panel Dimensions Key		
	A	47-3/4" x 23-3/4"

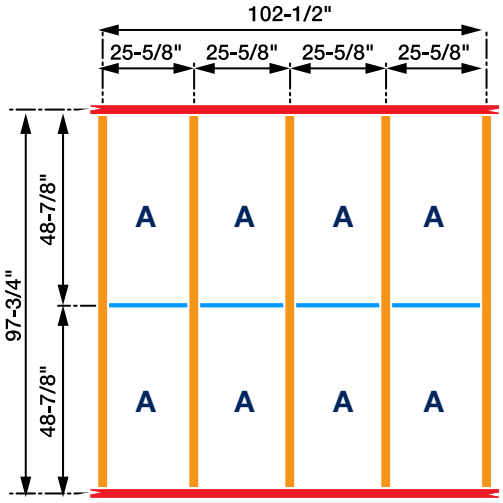
4' x 8'



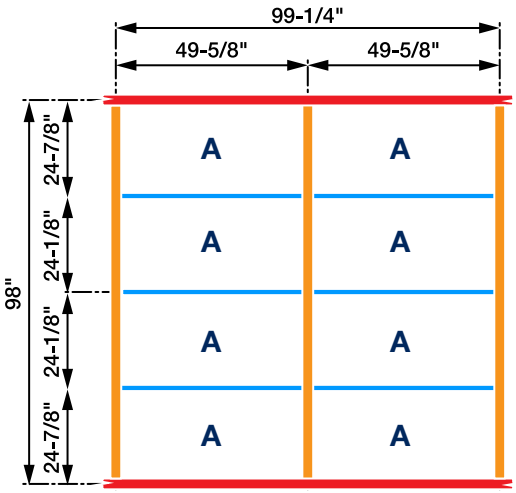
6' x 8'



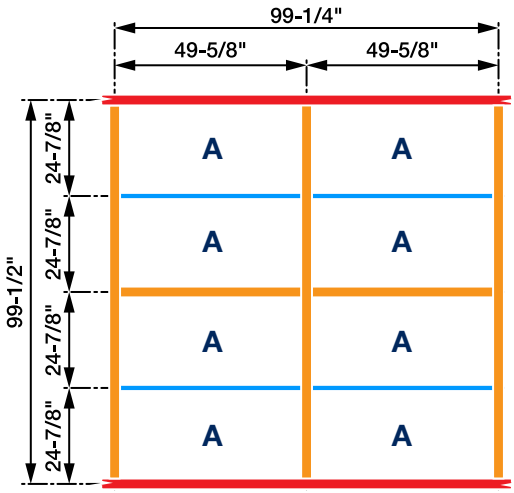
8 x 8'



8' x 8'



8' x 8'



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Oversized Module

Combos
2' x 2' Panel

STRUCTURAL MAIN RUNNER

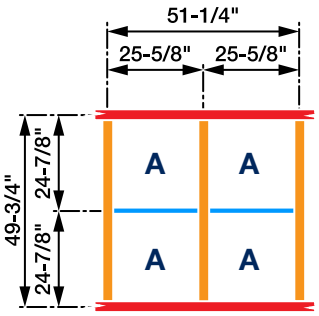
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

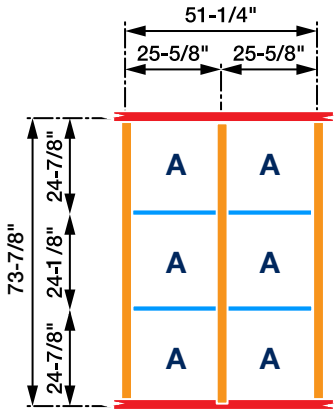
LIGHTWEIGHT TEE

Panel Dimensions Key	A	23-3/4" x 23-3/4"

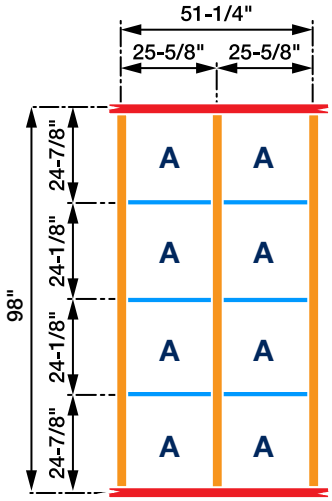
4' x 4'



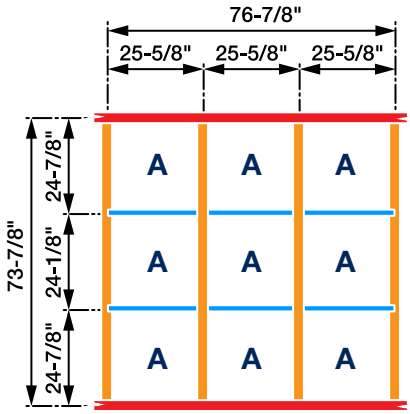
4' x 6'



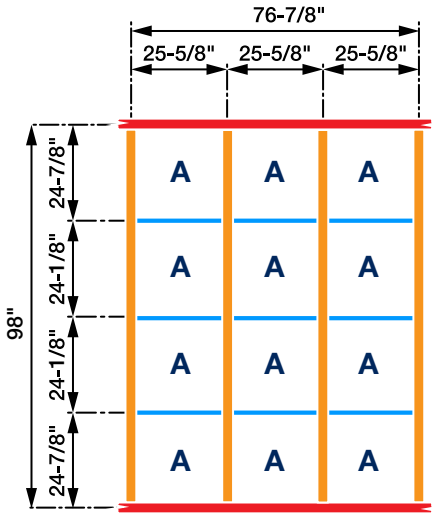
4' x 8'



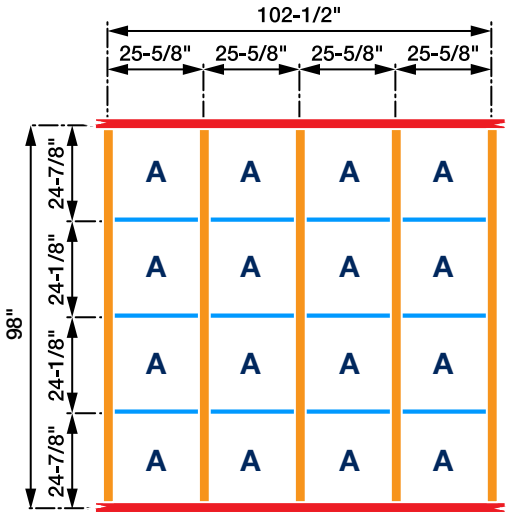
6' x 6'



6' x 8'



8' x 8'



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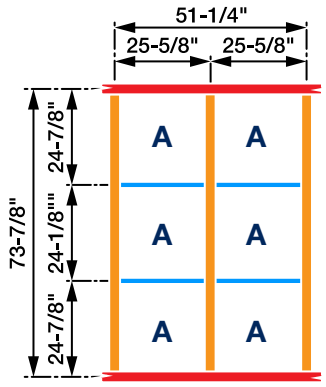
Oversized Module

Combos
2' x 2' Panel

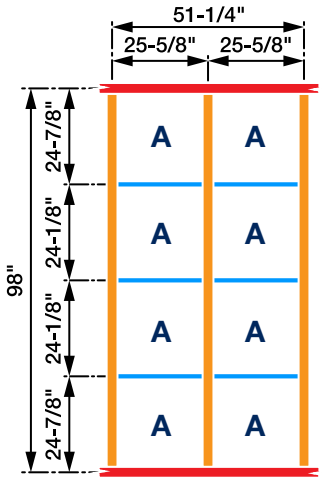
STRUCTURAL MAIN RUNNER
STRUCTURAL TEE
LIGHTWEIGHT PRIMARY TEE
LIGHTWEIGHT TEE

Panel Dimensions Key		
	A	23-3/4" x 23-3/4"

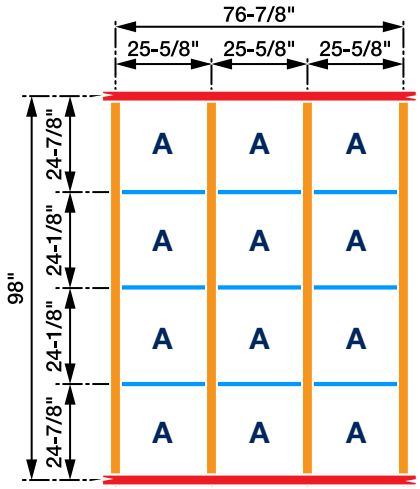
4' x 6'



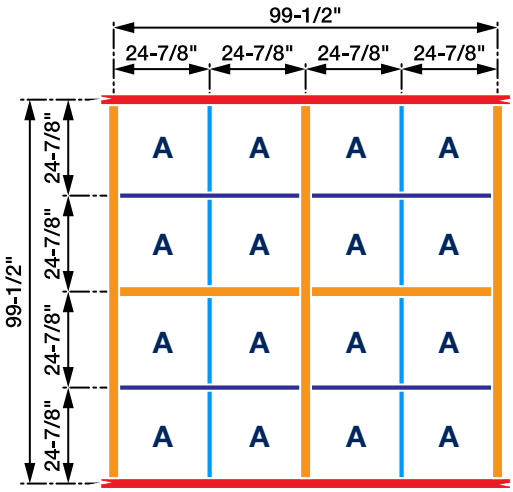
4' x 8'



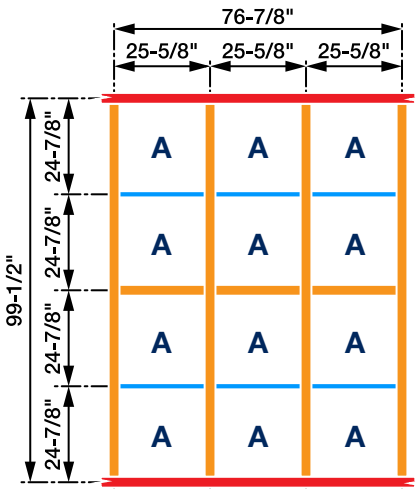
6' x 8'



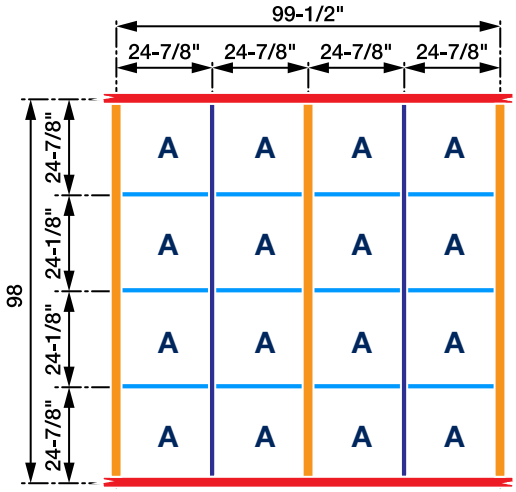
8' x 8'



6' x 8'



8' x 8'



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Oversized Module

Large Format
4' x 4' Panel

STRUCTURAL MAIN RUNNER

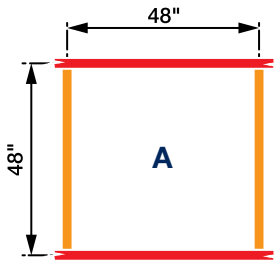
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

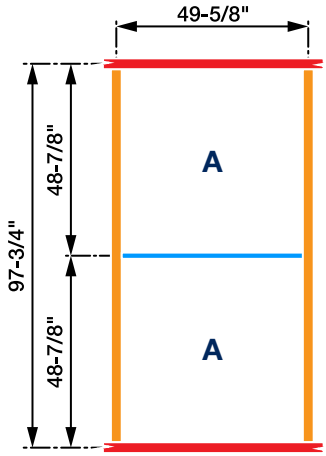
LIGHTWEIGHT TEE

Panel Dimensions Key		
	A	47-3/4" x 47-3/4"

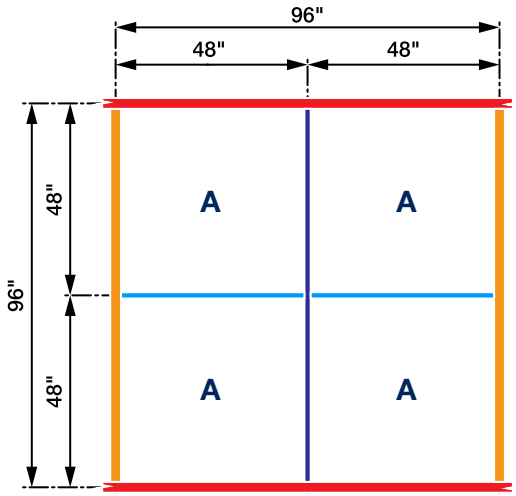
4' x 4'



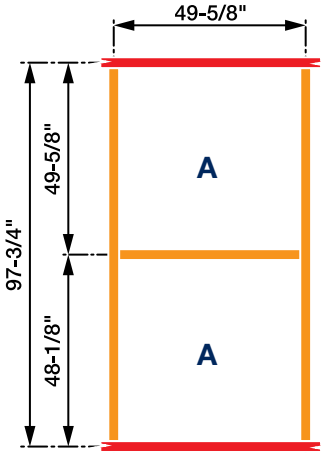
4' x 8'



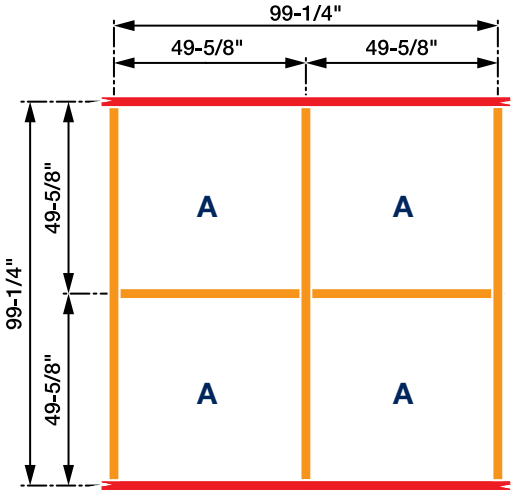
8' x 8'



4' x 8'



8' x 8'



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Oversized Module

Large Format
2' x 6' Panel

STRUCTURAL MAIN RUNNER

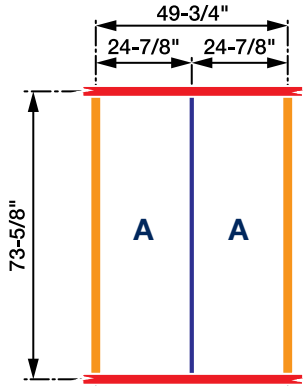
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

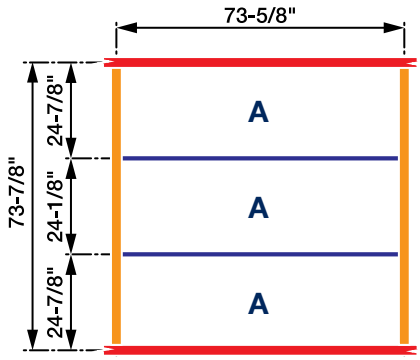
LIGHTWEIGHT TEE

Panel Dimensions Key		
	A	71-3/4" x 23-3/4"

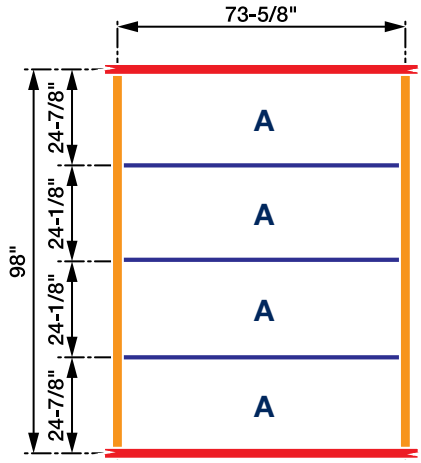
4' x 6'



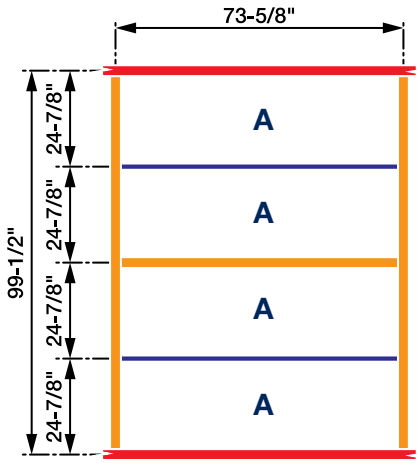
6' x 6'



6' x 8'



6' x 8'



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Oversized Module

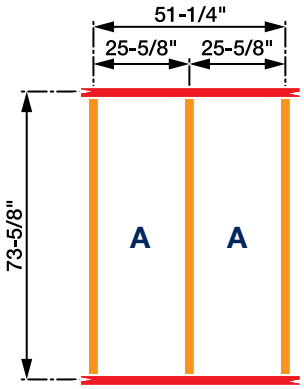
Large Format
2' x 6' Panel

STRUCTURAL MAIN RUNNER

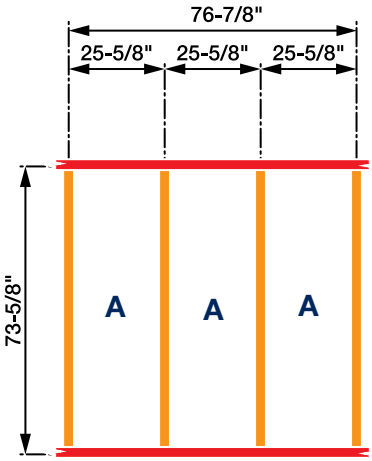
STRUCTURAL TEE

Panel Dimensions Key		
	A	71-3/4" x 23-3/4"

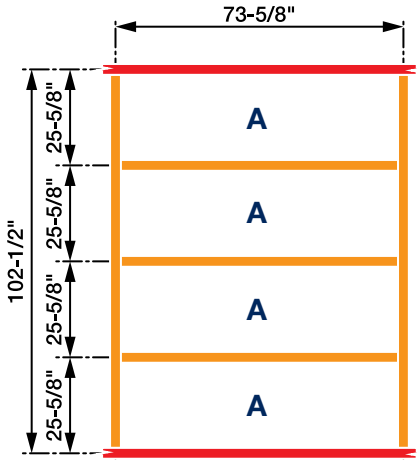
4' x 6'



6' x 6'



6' x 8'



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Oversized Module

Large Format
2' x 8' Panel

STRUCTURAL MAIN RUNNER

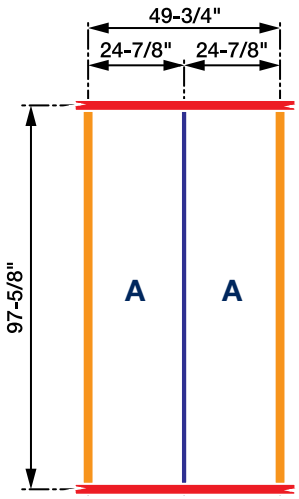
STRUCTURAL TEE

LIGHTWEIGHT PRIMARY TEE

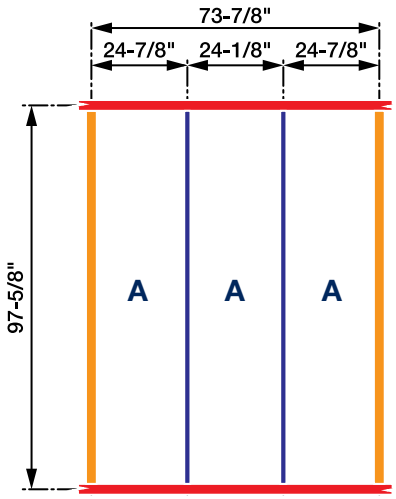
LIGHTWEIGHT TEE

Panel Dimensions Key		
	A	95-3/4" x 23-3/4"

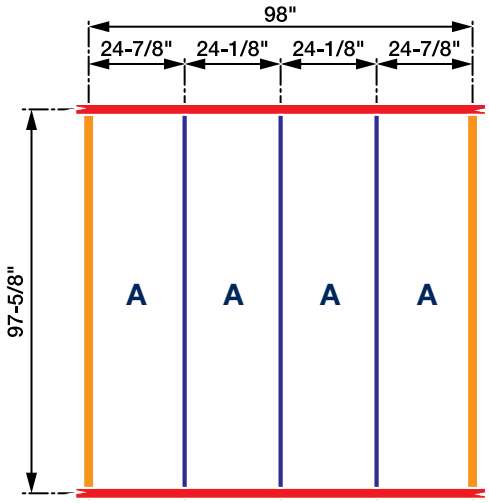
4' x 8'



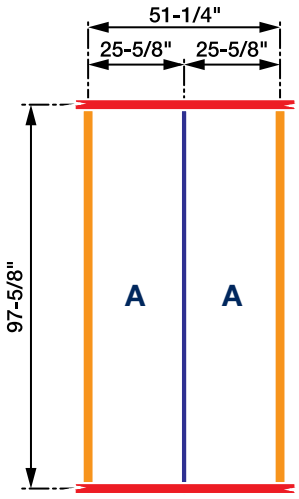
6' x 8'



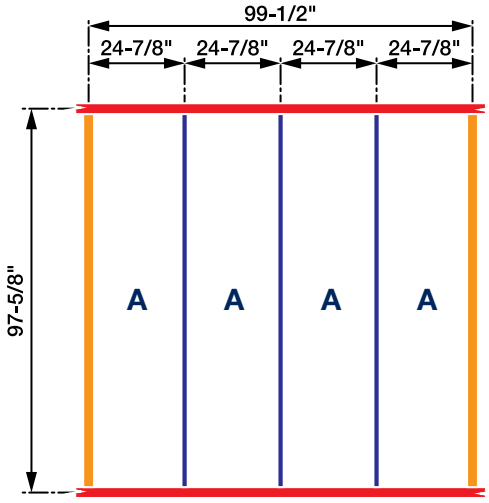
8' x 8'



4' x 8'



6' x 8'



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