

busSTRUT Shop Drawing Set

Express Rectangle (Medium) - Lights

busSTRUT SHOP DRAWING SET (ONLY)
NOT A REPLACEMENT FOR ARCHITECTURAL/ENGINEERING/
ELECTRICAL SPECIFICATIONS. (DEFER TO THEIR DRAWINGS)

CONTRACTOR RESPONSIBILITIES

- CONTRACTOR IS RESPONSIBLE FOR:
- 1.- FOLLOWING busSTRUT CONFIGURATION MOUNTING POINT RULES.
 - 2.- REFERRING TO ARCHITECTURAL PLANS FOR PLACEMENT OF LIGHTS.
 - 3.- REFERRING TO ELECTRICAL PLANS FOR POWER DISTRIBUTION AND ELECTRICAL CONNECTION REQUIREMENTS.

CONNECTION TO STRUCTURE

ATTACHMENT FROM busSTRUT SYSTEM TO STRUCTURE
MUST BE ENGINEERED AND INSTALLED TO PROPERLY
SUPPORT THE ENTIRE SUSPENDED WEIGHT.

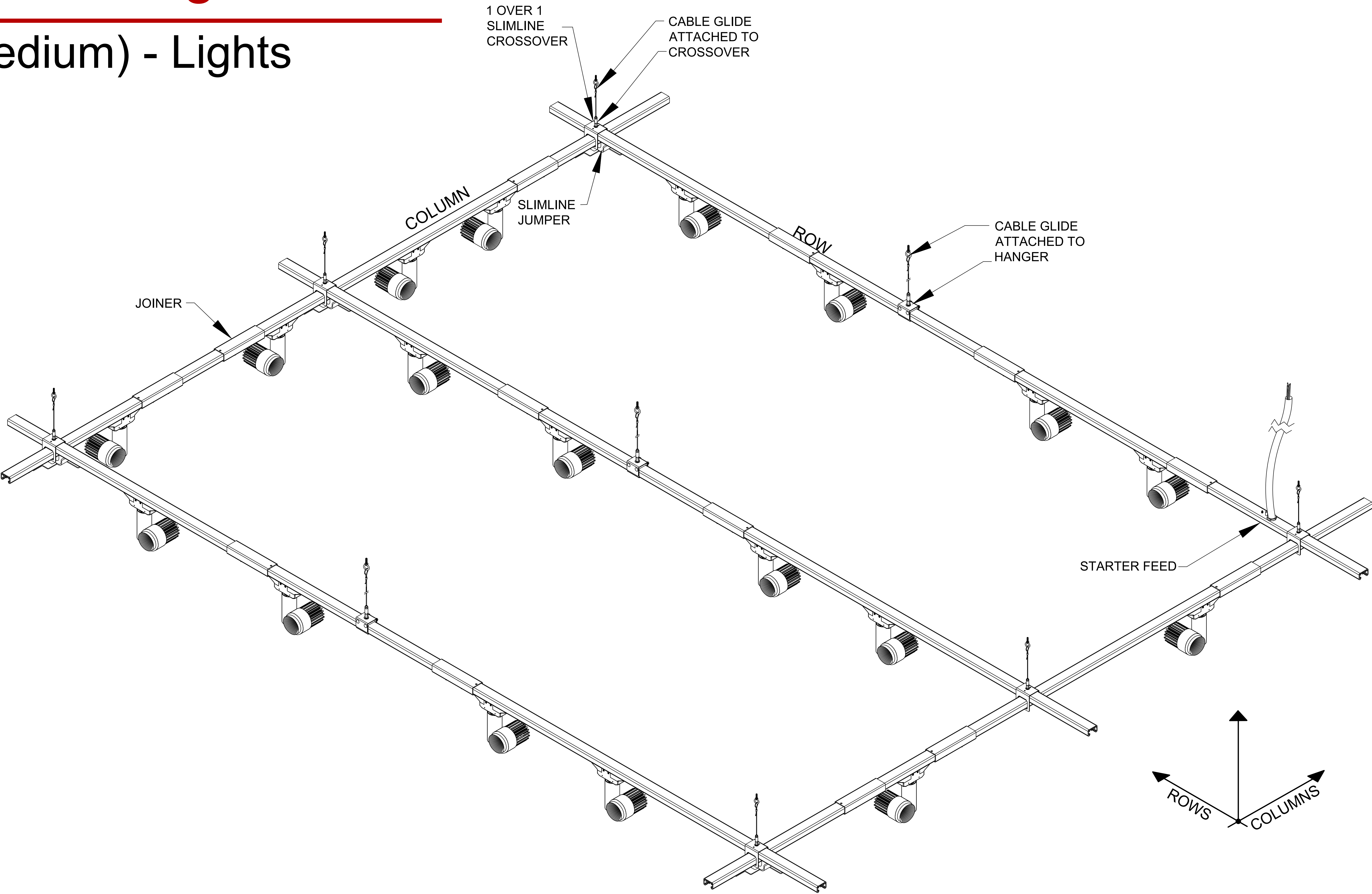
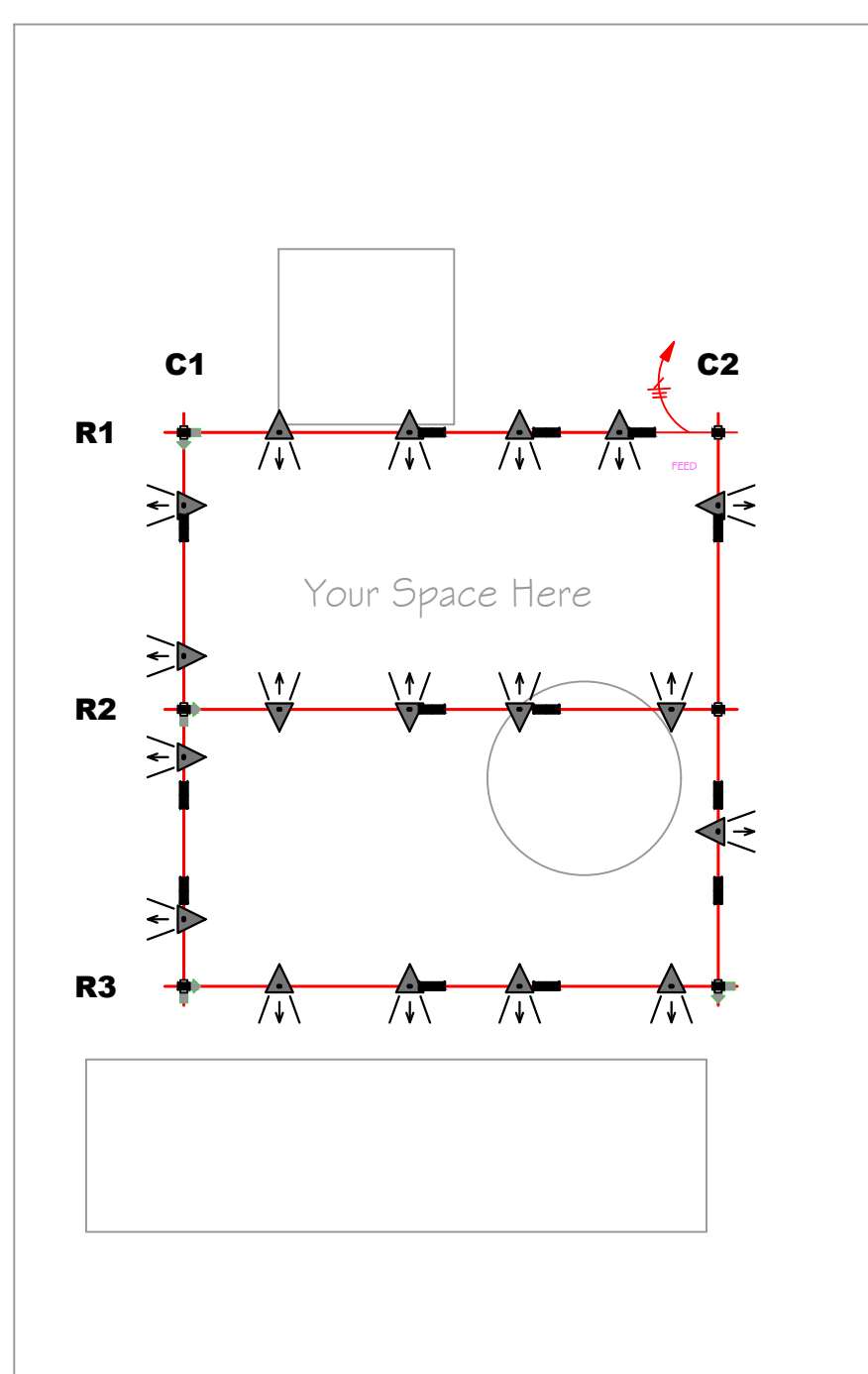
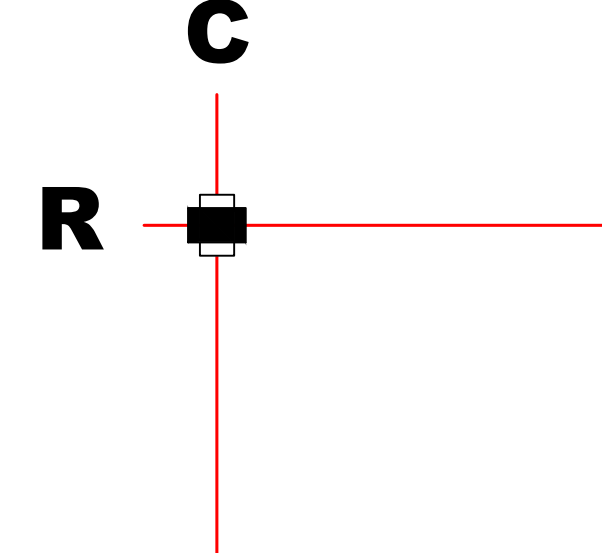
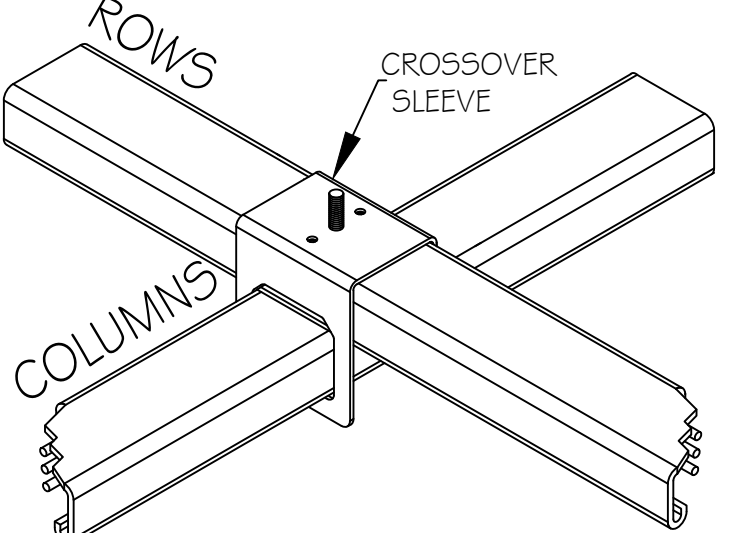
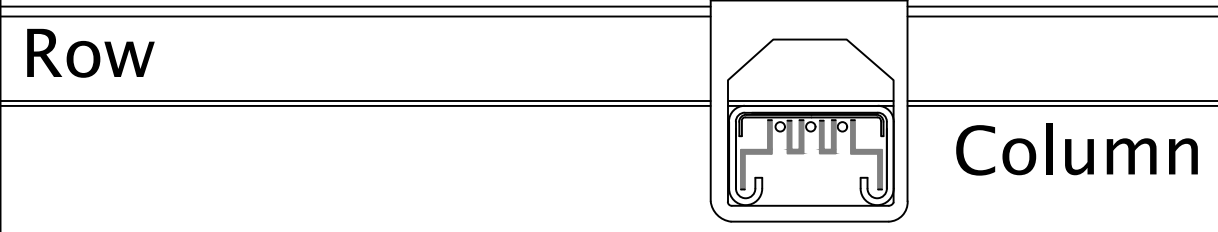
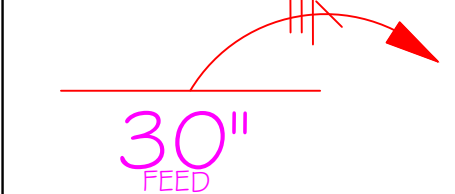


TABLE OF CONTENTS		KEY MOUNTING RULES		APPROVAL			
E-b01 E-b02	Typical Installation Instructions		Rows are to be mounted on top of Columns. Crossover sleeve runs with Rows.	Legend			
	E-b1 E-b2		Lighting Plan, BOM, & Labor Hours Assembly Plan	  	 busSTRUT 20 / Single Deck	 30" Starter Feed	 Joiner

bs

busSTRUT

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JOHN LOCH

DRAWN BY

JOHN LOCH

DATE

11/01/2024

REVISION

BID/REVIEW

busSTRUT SHOP DRAWING SET(ONLY)
NOT A REPLACEMENT FOR
ARCHITECTURAL /
ENGINEERING OR ELECTRICAL
DRAWINGS

XX

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XXXX

REVISION DESCRIPTION

XX-XX-XX

DATE

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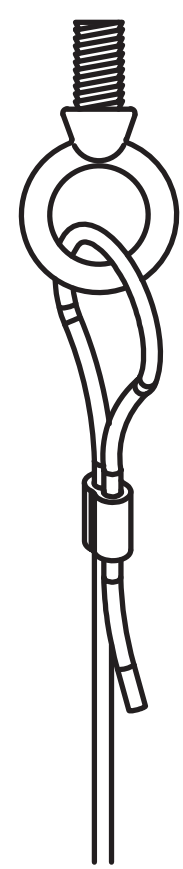
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NOT TO SCALE

COVER SHEET

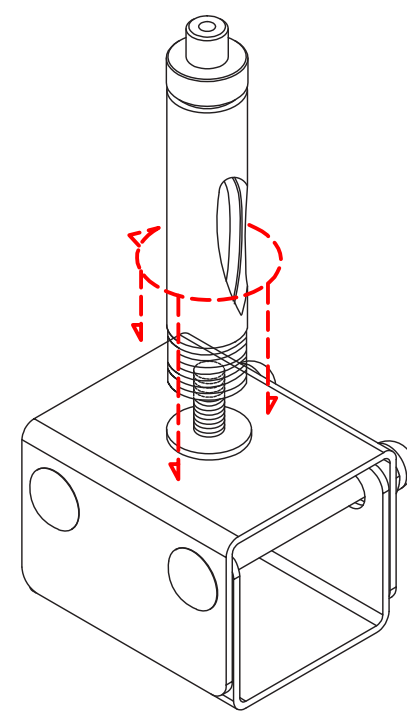
STEP 1

SUSPENDING busSTRUT



1 SUSPEND CABLES (CG-XX) ATTACH CABLE ASSEMBLY to STRUCTURE

*It is the contractor and/or engineer's responsibility
to determine correct connection to structure (beam
clamp, etc).

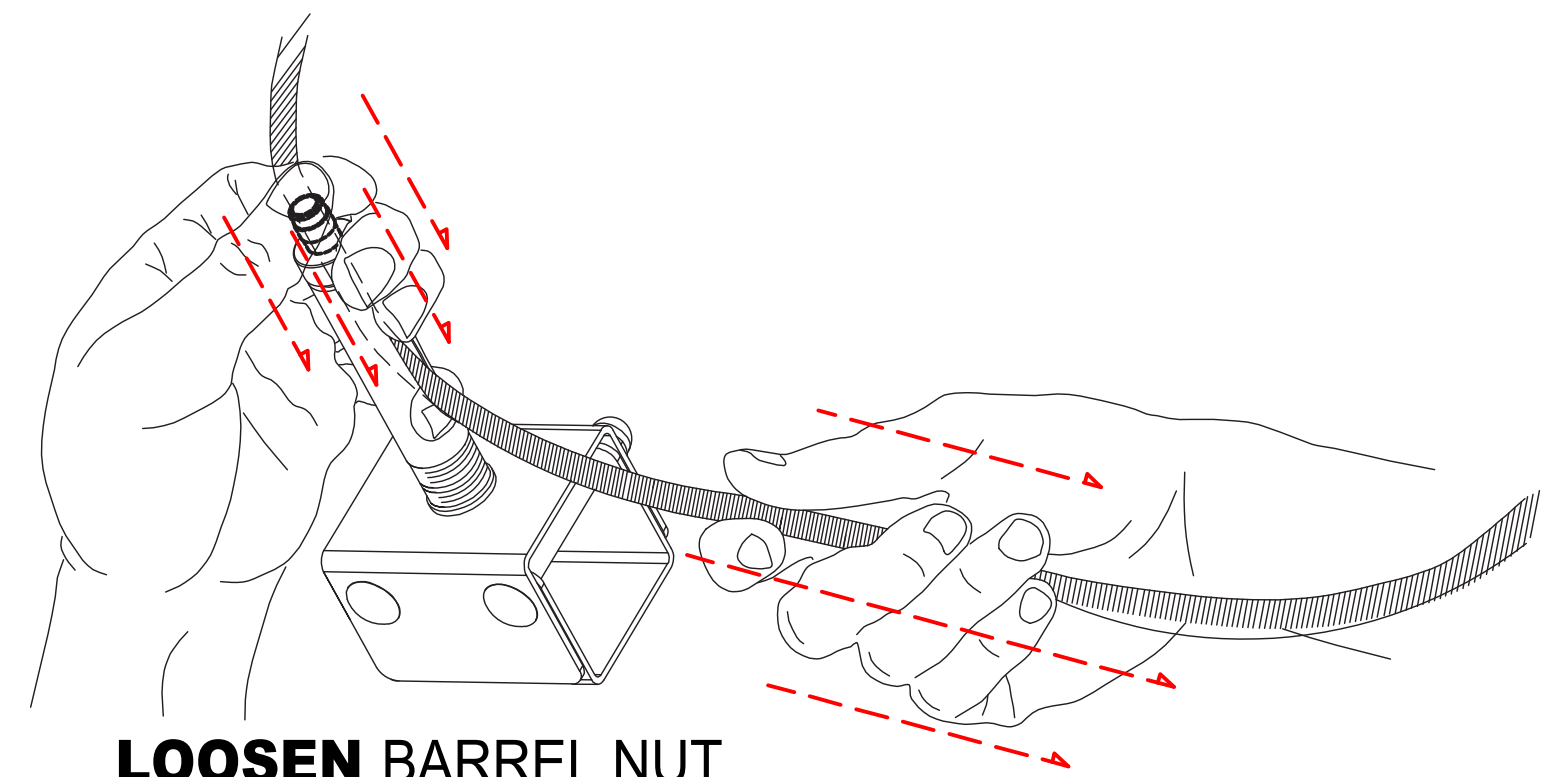
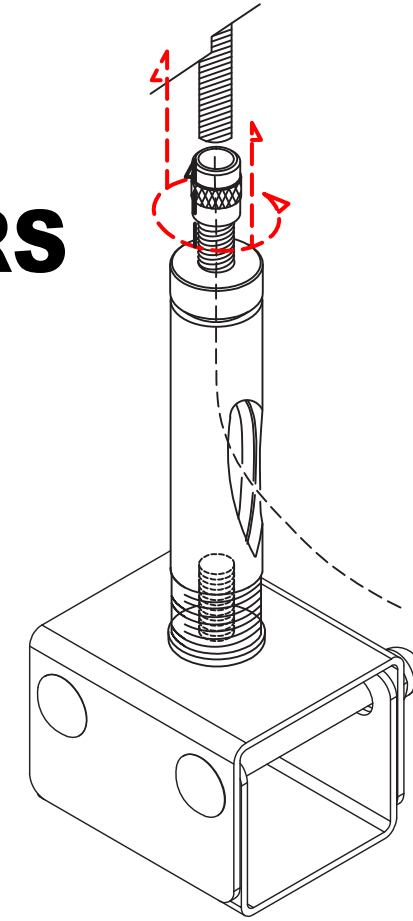


2 ASSEMBLE HANGERS (HM-S)

ASSEMBLE HANGERS AND
ATTACH CABLE GLIDE

3 ATTACH HANGERS TO CABLES (CG-XX)

FEED CABLES THROUGH
GLIDE TO ATTACH



LOOSEN BARREL NUT
PUSH CABLE THROUGH
PULL CABLE FOR SLACK

SLIDE busSTRUT THROUGH SUSPENDED HANGERS

Assemble
Create cable suspended runs of
busSTRUT. Usually, these are
running perpendicular to structural
joists. Insert busSTRUT lengths
through hangers/crossovers
working from FINISHED HEIGHT.

FINISHED HEIGHT

*It is the contractor and/or engineer's responsibility
to determine correct connection to structure (beam
clamp, etc).

LEVEL busSTRUT AND TRIM CABLE

FINISHED HEIGHT

BE SURE TO FOLLOW
busSTRUT MOUNTING
RULES (SEE busSTRUT
shop drawings)

CUT CABLE
Leave enough pass
through cable for
future leveling

STEP 2

INSERT JOINERS

ATTACH JOINERS TO EACH END OF
CONNECTING busSTRUT

JOINERS (M-JB)
Joiners are used to mechanically
and electrically connect individual
busSTRUT lengths.

TIGHTEN JOINERS

TIGHTEN SET SCREWS ON THE BOTTOM OF THE
JOINER

*Joiners require 3/32 Hex key
for tightening set screws*

ATTACH INSERT

ATTACH JOINERS TO EACH END OF
CONNECTING busSTRUT

Line up **center** of insert with
etched centerline on joiner
sleeve

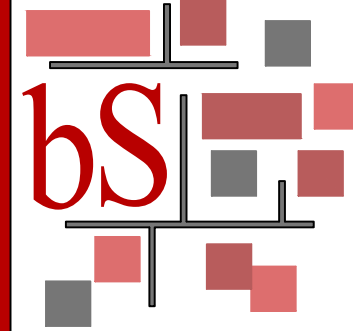
Turn the first knob

Squeeze tightly on the opposite
side, then turn the second knob
to secure the electrical
connection.

JOINER INSERT (M-JI-X)

A single piece unit that is installed
with two knobs, one must be fully
turned in each abutting length. As
a result, power can continue to
flow from one length to the next.

**Installation Instruction Guidelines are provided only as that, informative guidelines. Defer to architectural/engineering drawings tailored to the specific project.



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DATE
11/01/2024

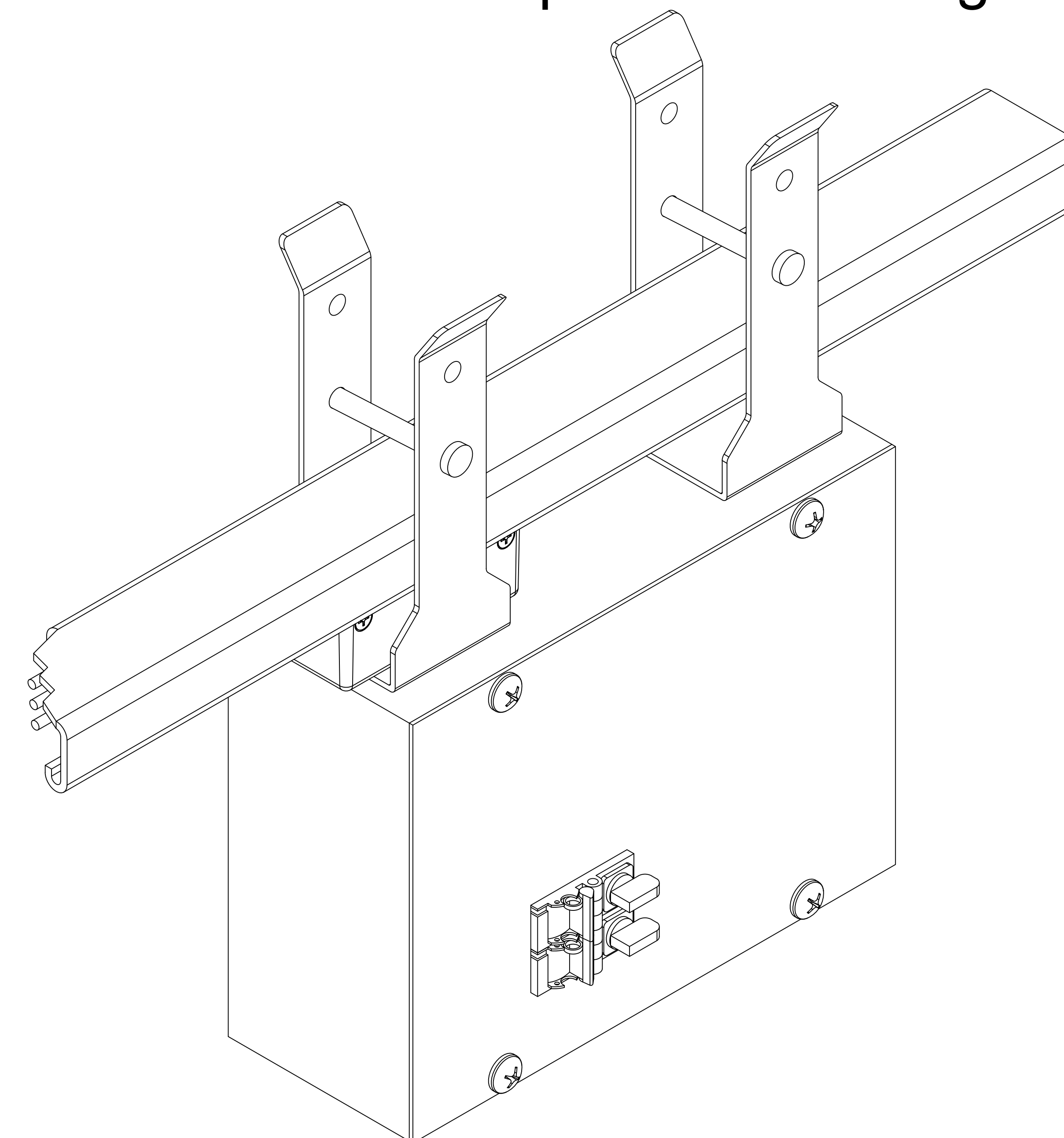
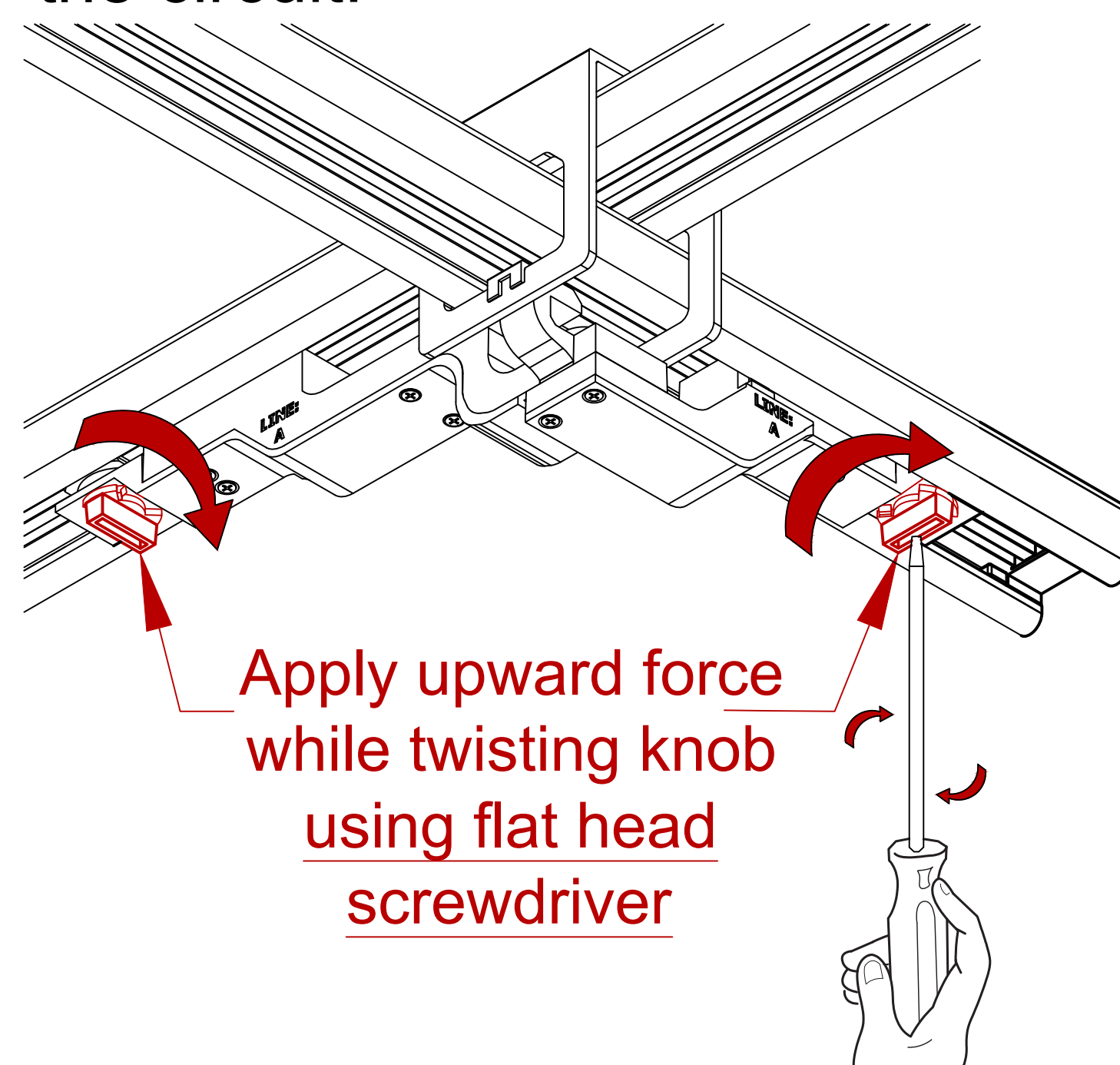
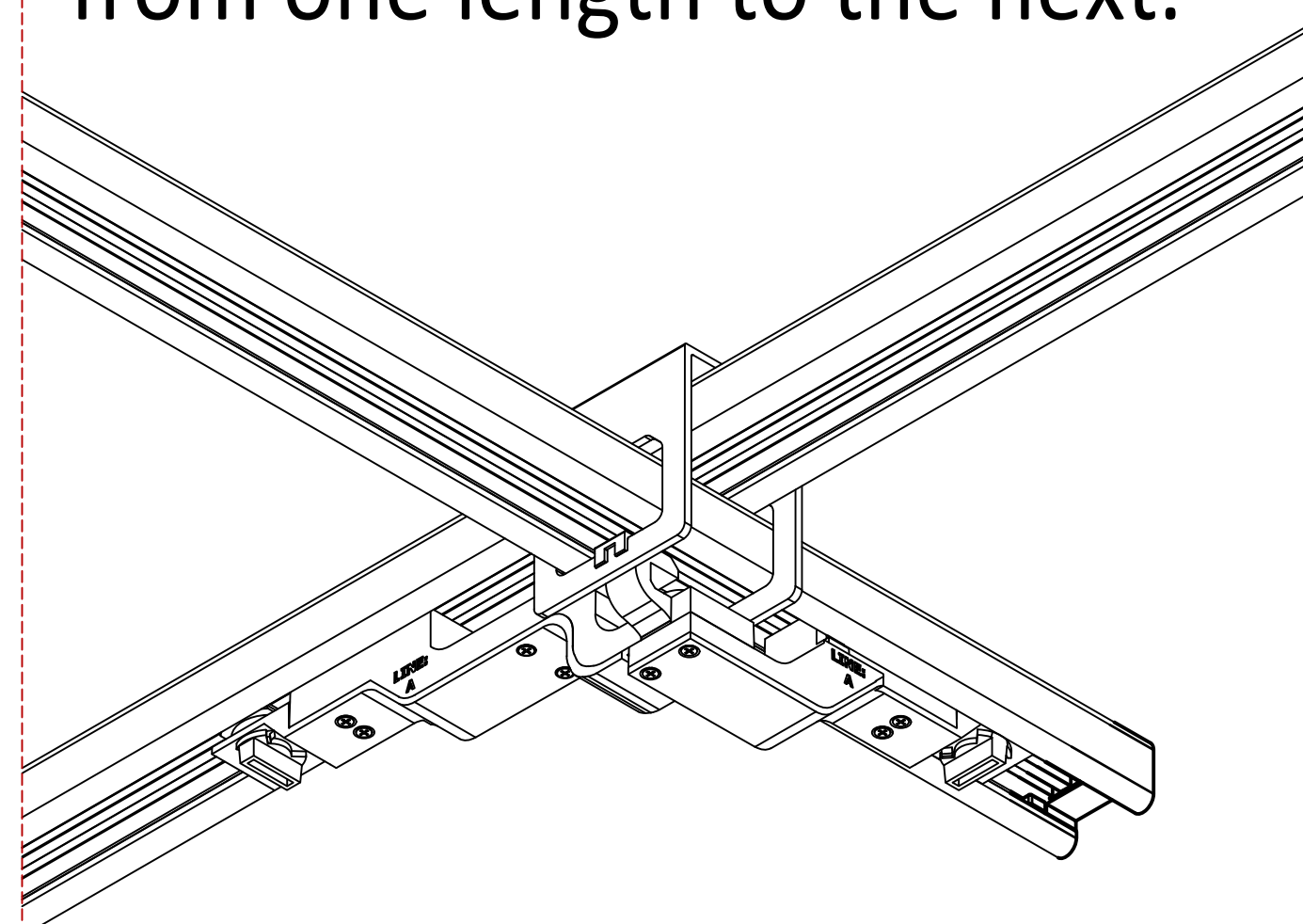
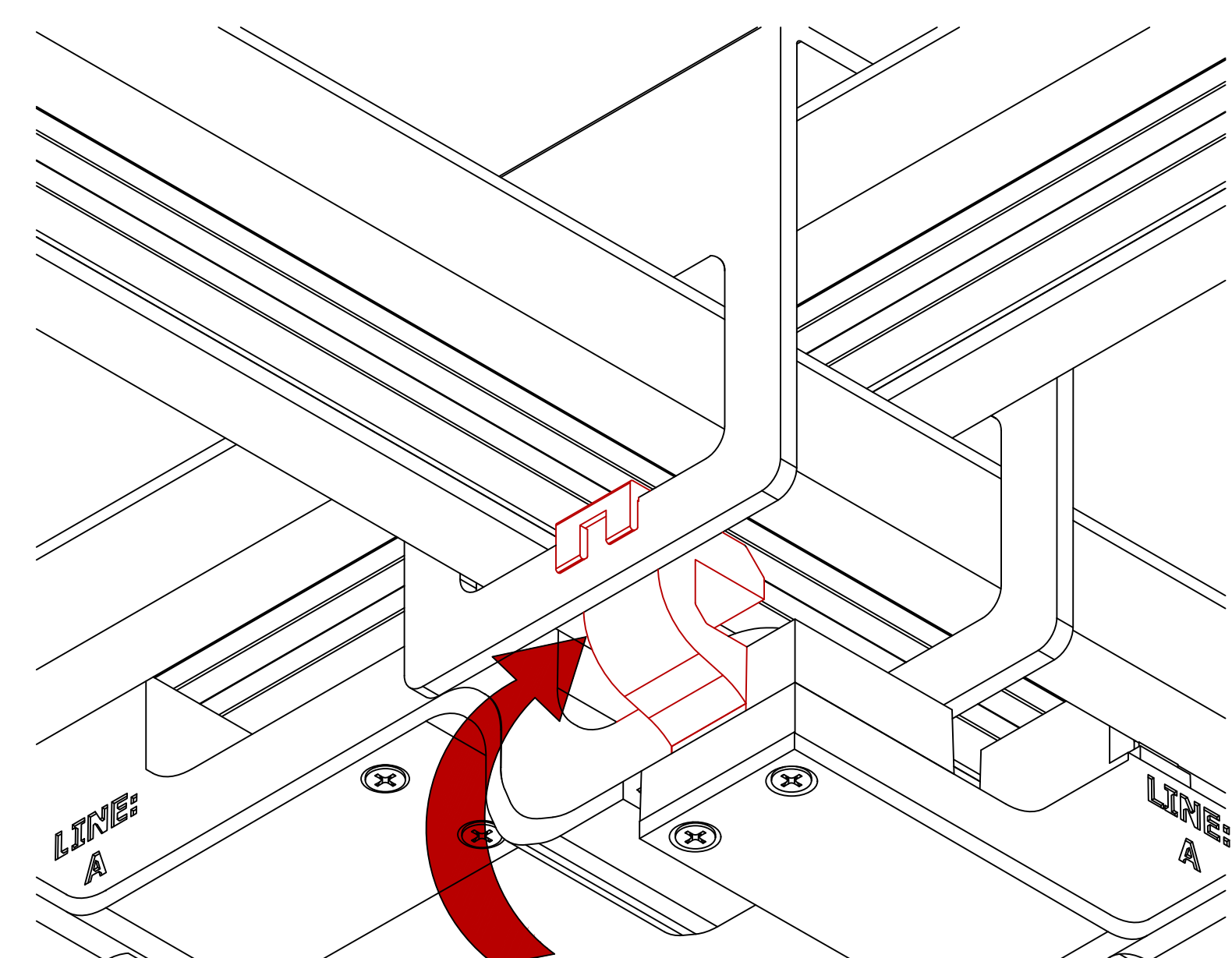
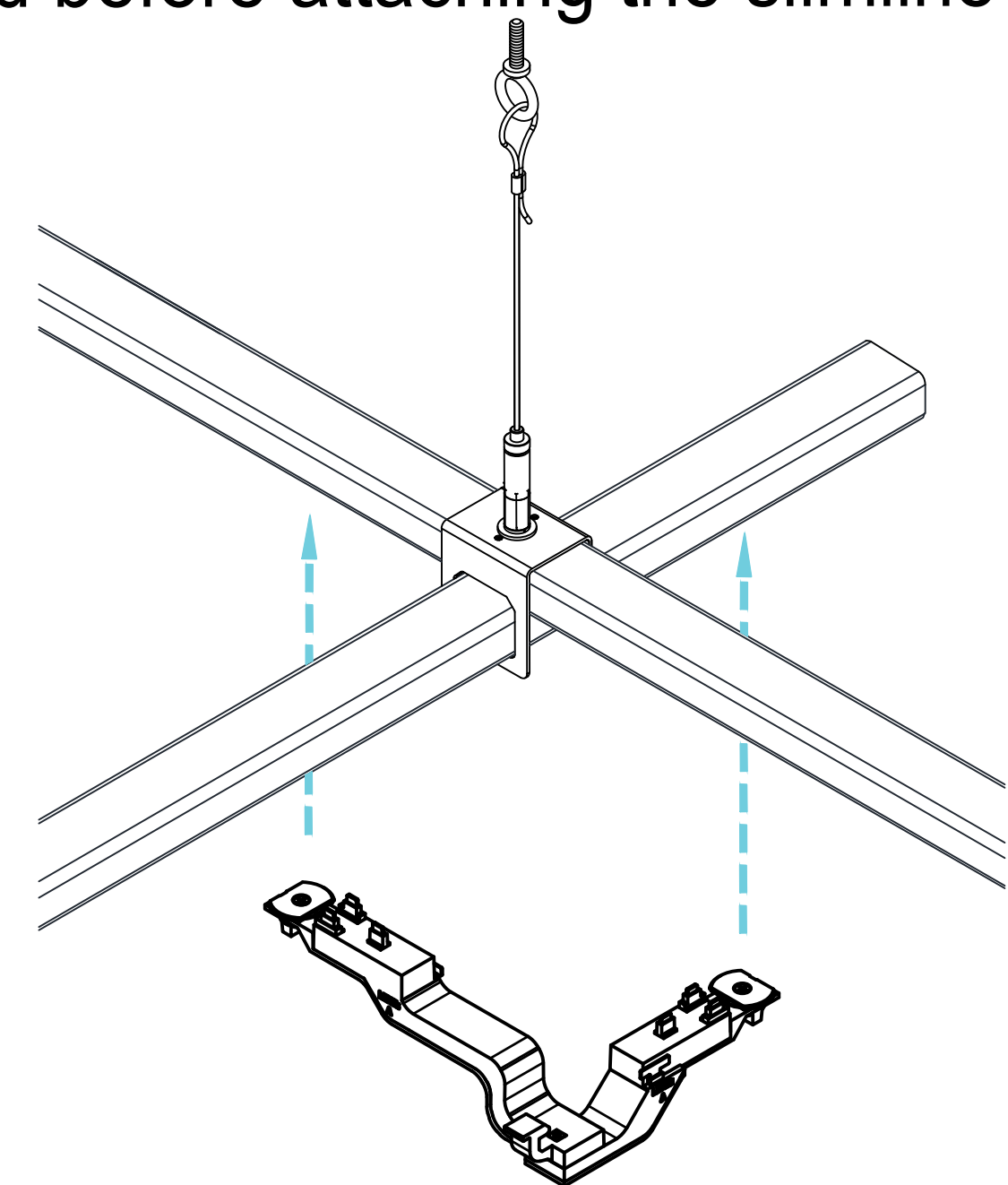
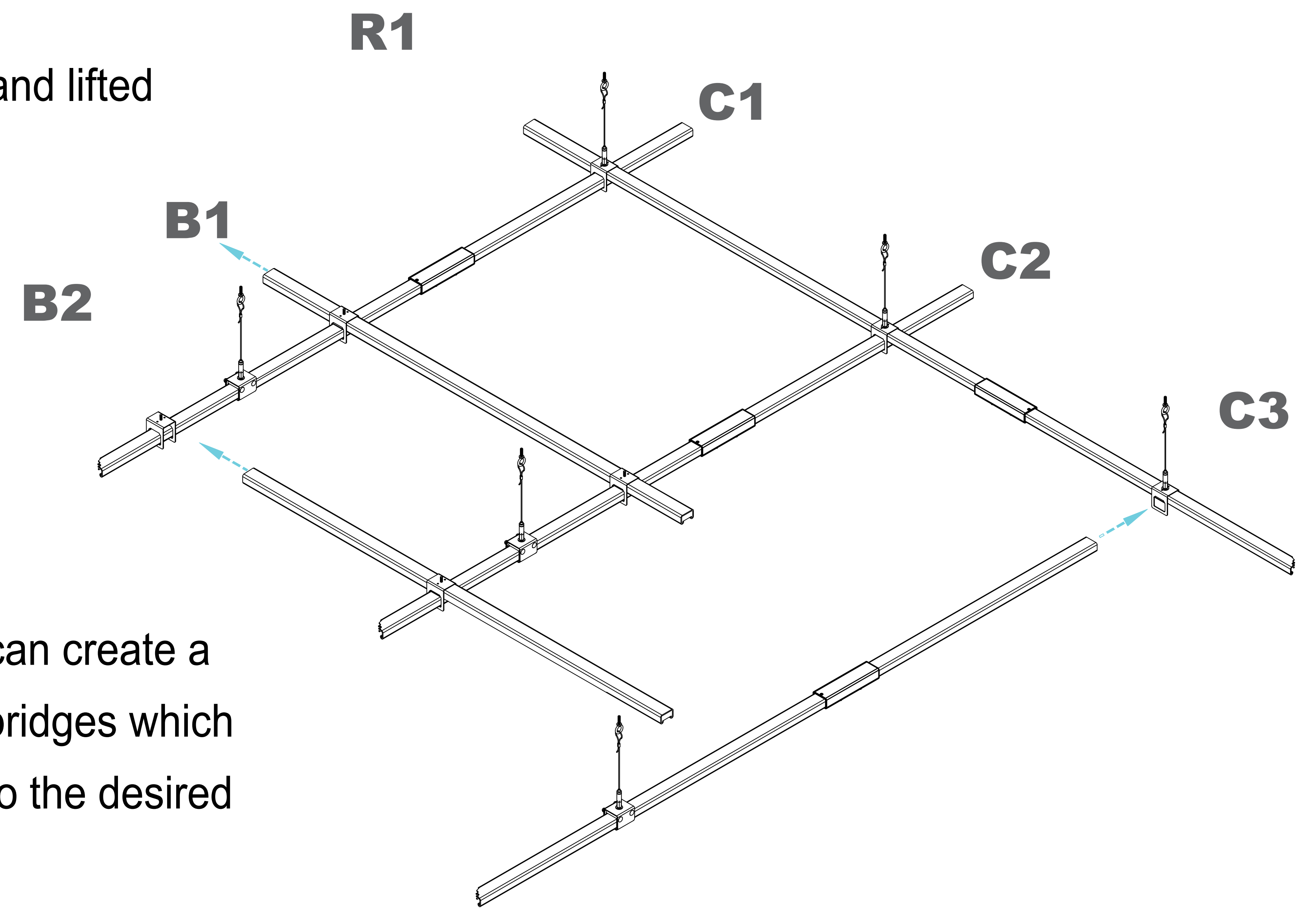
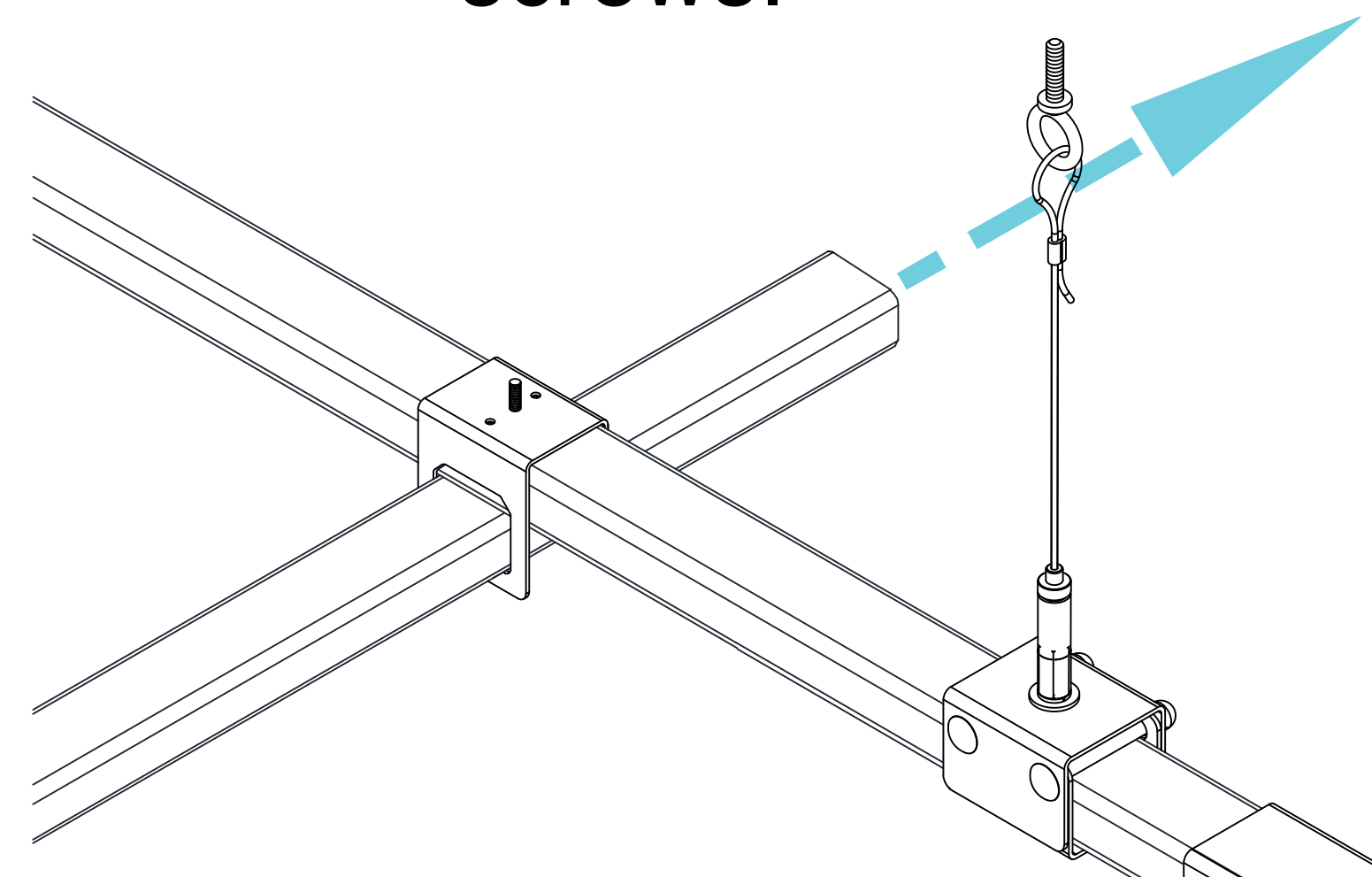
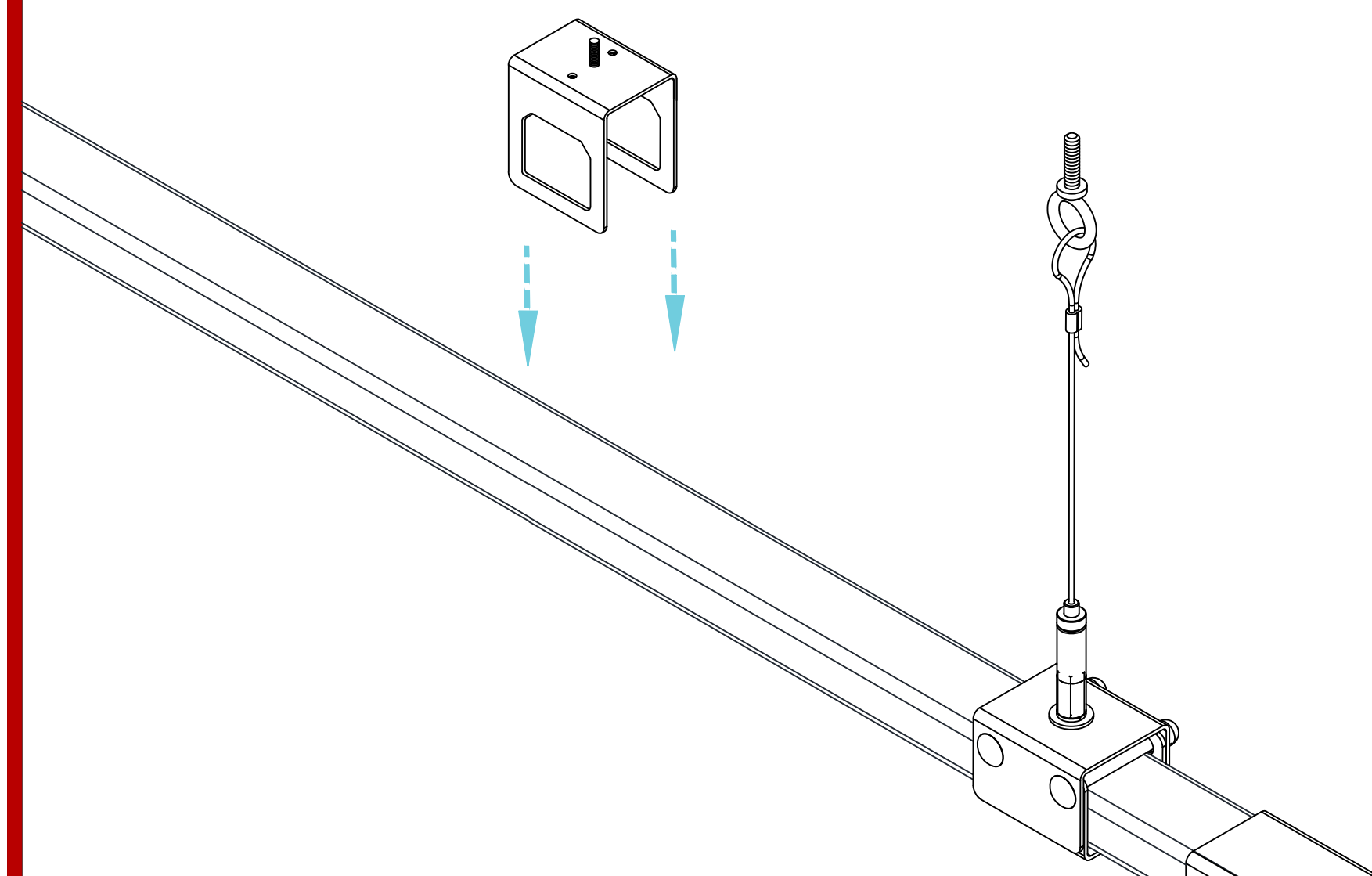
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TYPICAL
busSTRUT Installation Instructions

busSTRUT
SHOP DRAWING SET(ONLY)
NOT A REPLACEMENT FOR
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ENGINEERING OR ELECTRICAL
DRAWINGS

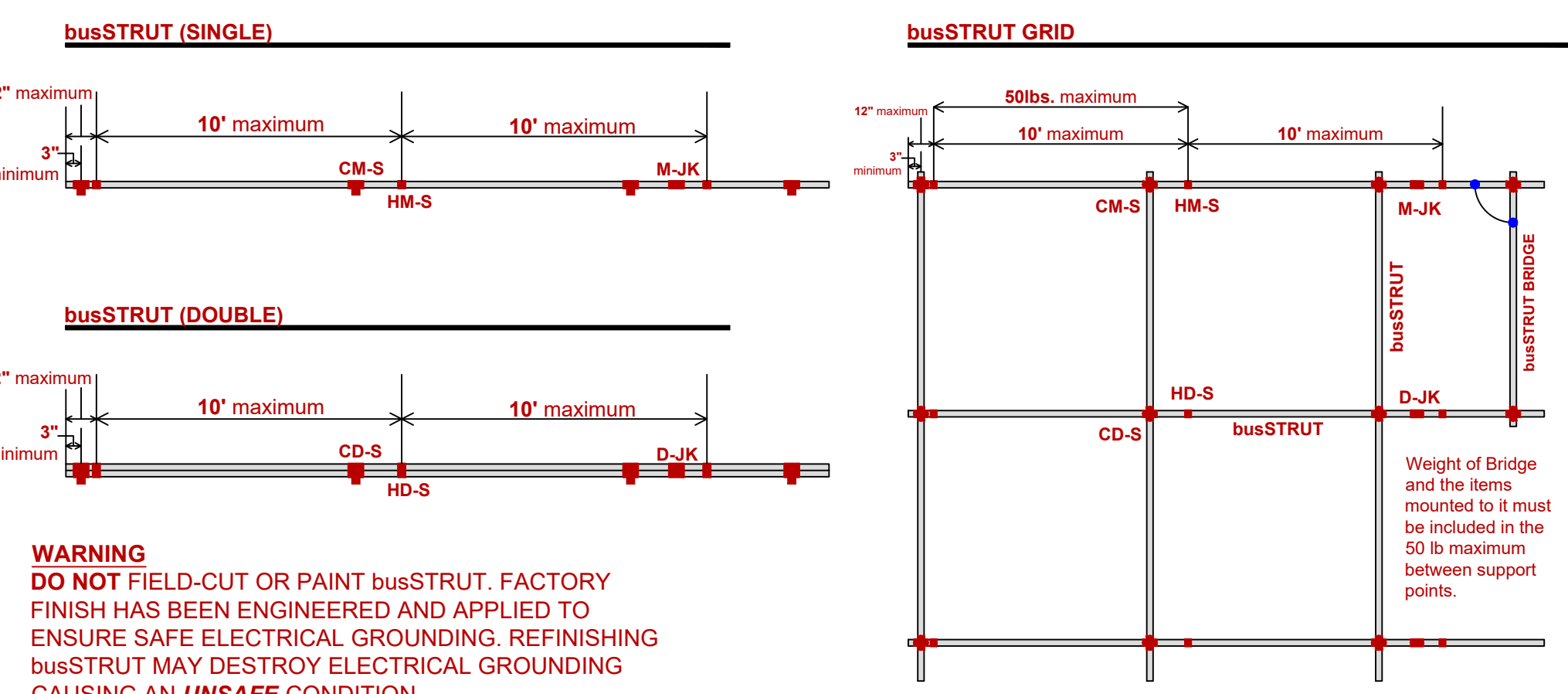
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PAPER SIZE:
ARCH E (48x36)
NOT TO SCALE
DRAWING NUMBER
E-b01



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Mounting Rules



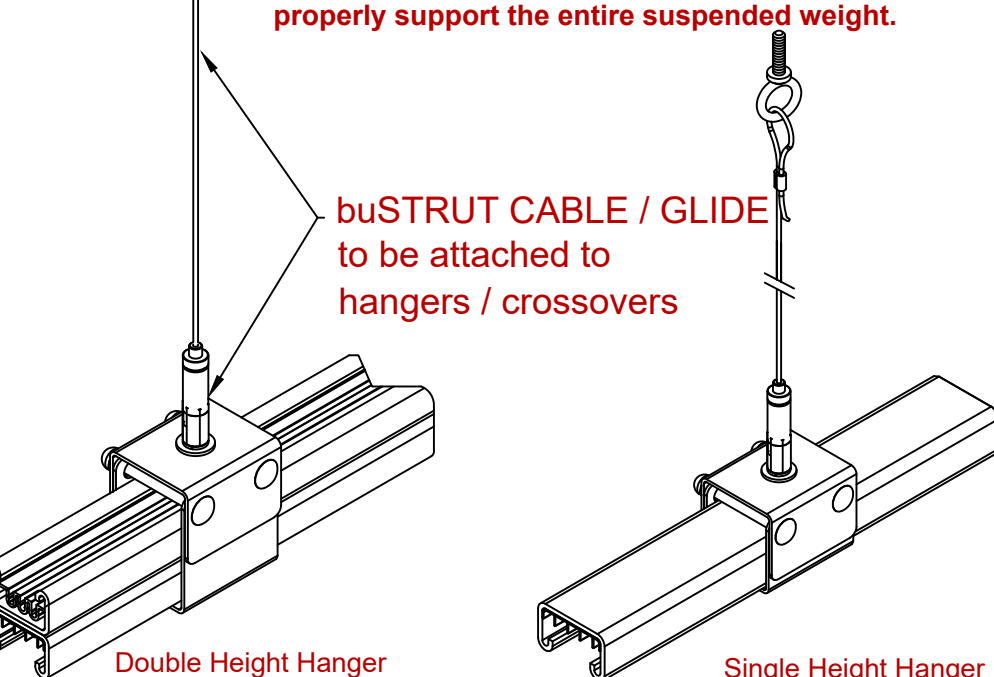
Do NOT remove the factory installed end caps from the busSTRUT

CAUTION: TIGHTEN ALL JOINER SET SCREWS TO 10 in/lbs

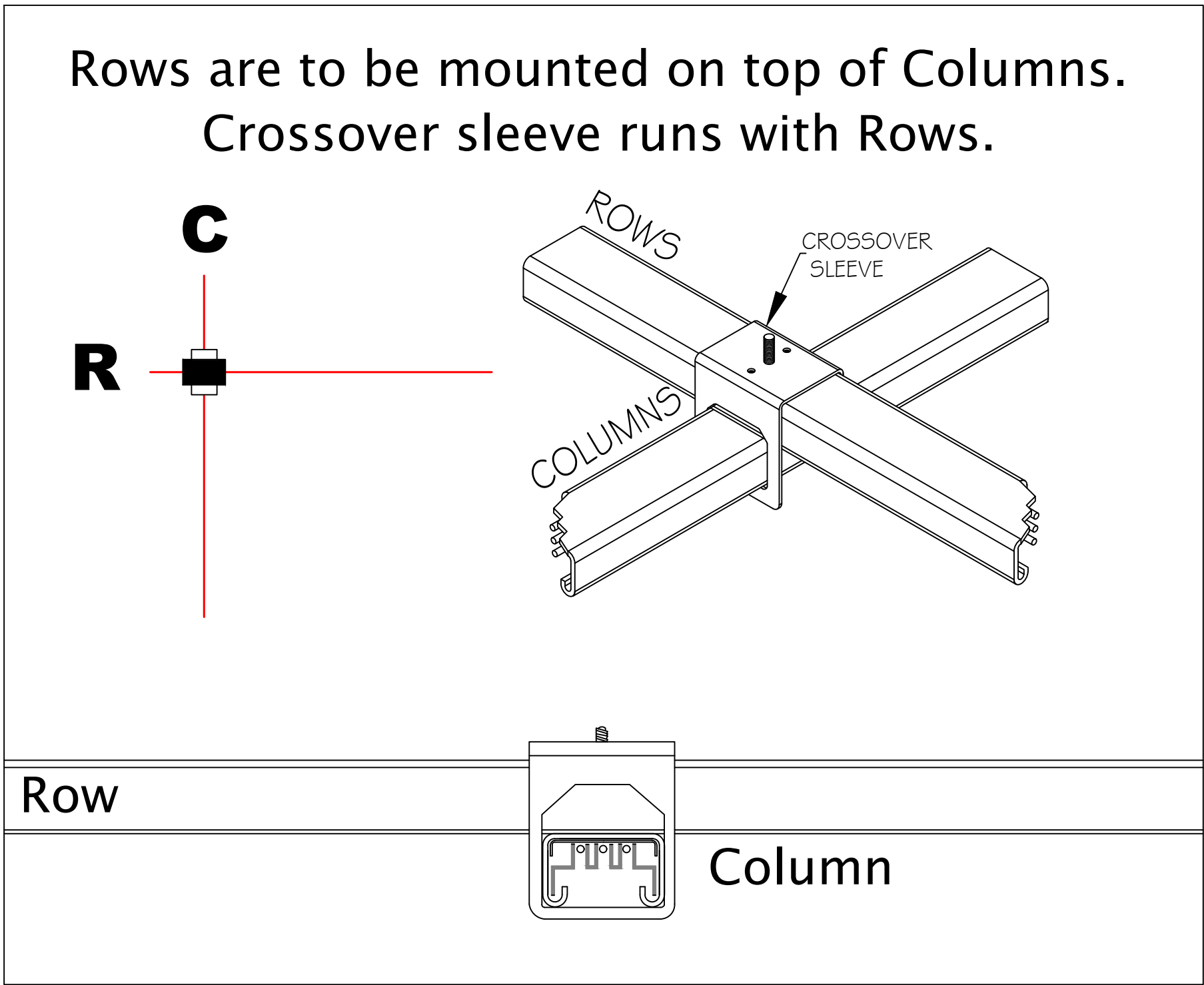
Removal voids ETL listing, warranty, and could create a dangerous electrical condition

Required to ensure grounding

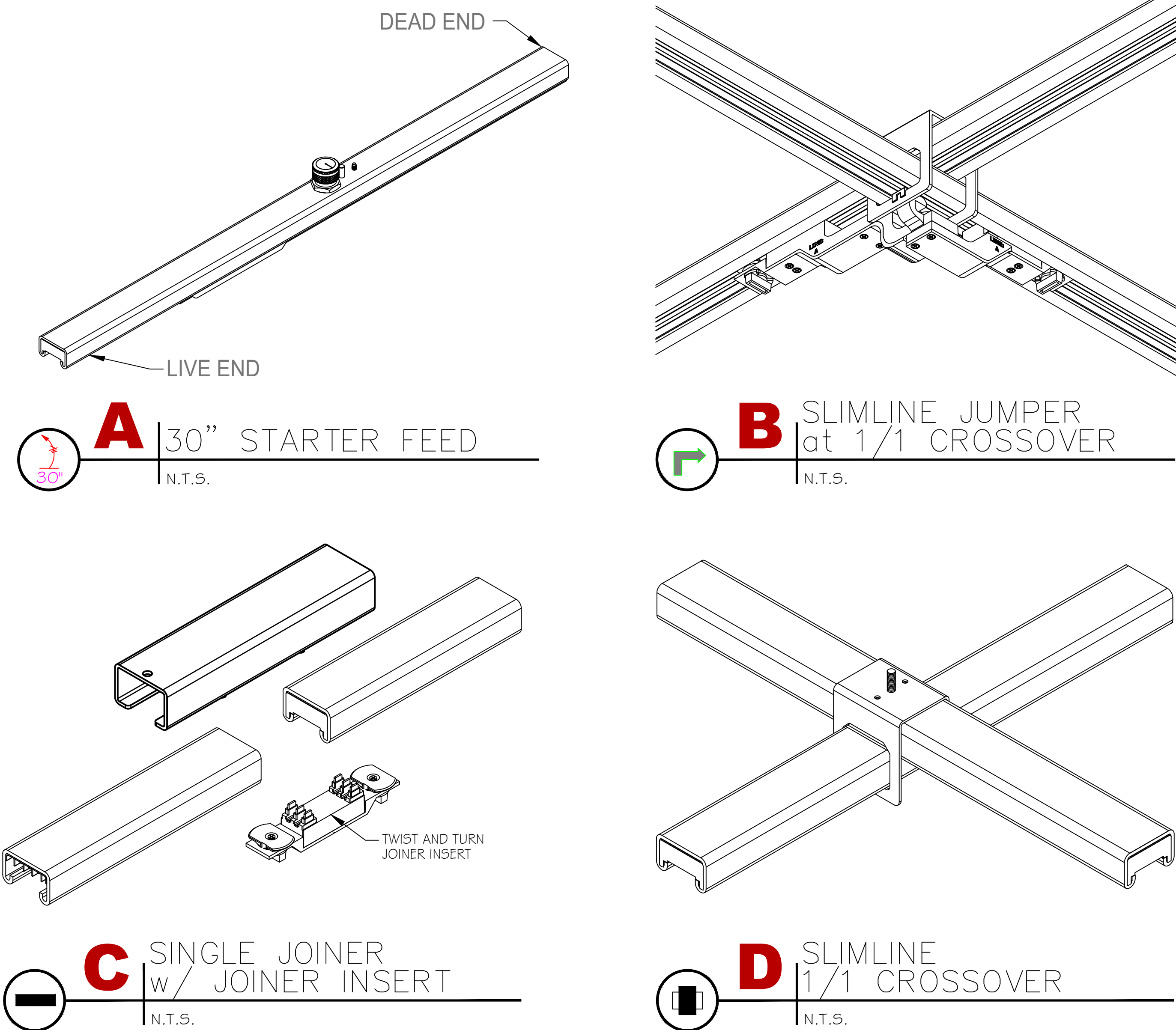
- DISTANCE:**
 - 10'** MAXIMUM 10' spacing between support points
 - 12"** Support point must be within 12" from every end or corner
 - 3"** MINIMUM 3" of busSTRUT to be exposed beyond end of mounting hangers and/or crossovers
- WEIGHT:**
 - 50 lbs** Maximum 50 pounds between support points (Include weight of busSTRUT System)
 - Weight of 1 foot of busSTRUT:
 - Single (MIN) - 1.5 lb per Linear Foot (not including connected weight)
 - Double (MAX) - 3 lb per Linear Foot (not including connected weight)
- FITTERS**
 - 40 lbs** The busSTRUT Flip-Fitters (with metal bracket) are rated for 40 lbs maximum static, vertical load.
 - Flip-Fitters without metal bracket are for use with standard track light fixtures only. Consult for maximum weight restrictions.
- CONNECTION TO STRUCTURE BY OTHERS**
 - Attachment from busSTRUT System to structure must be engineered and installed to properly support the entire suspended weight.



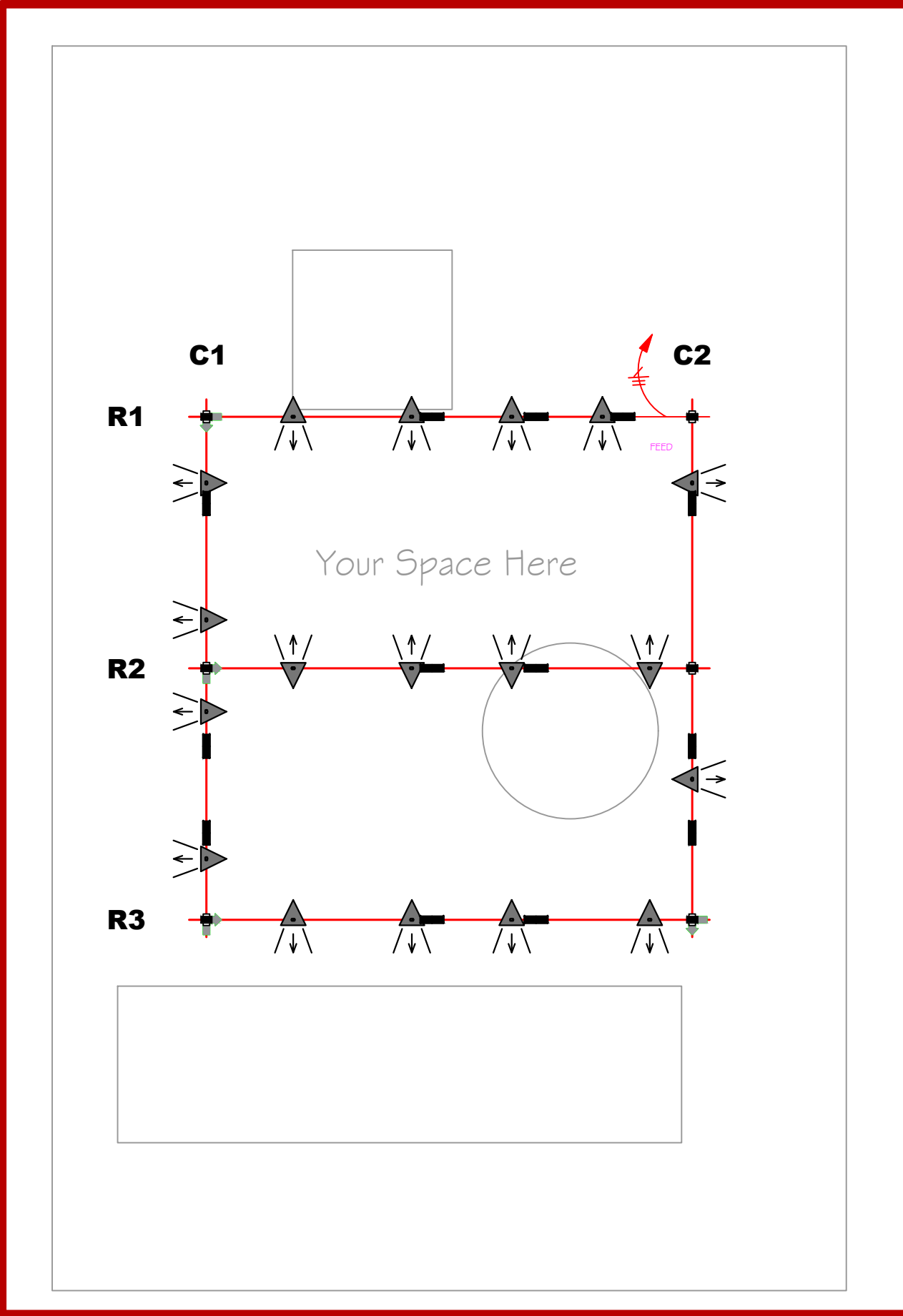
Project Specific Rules



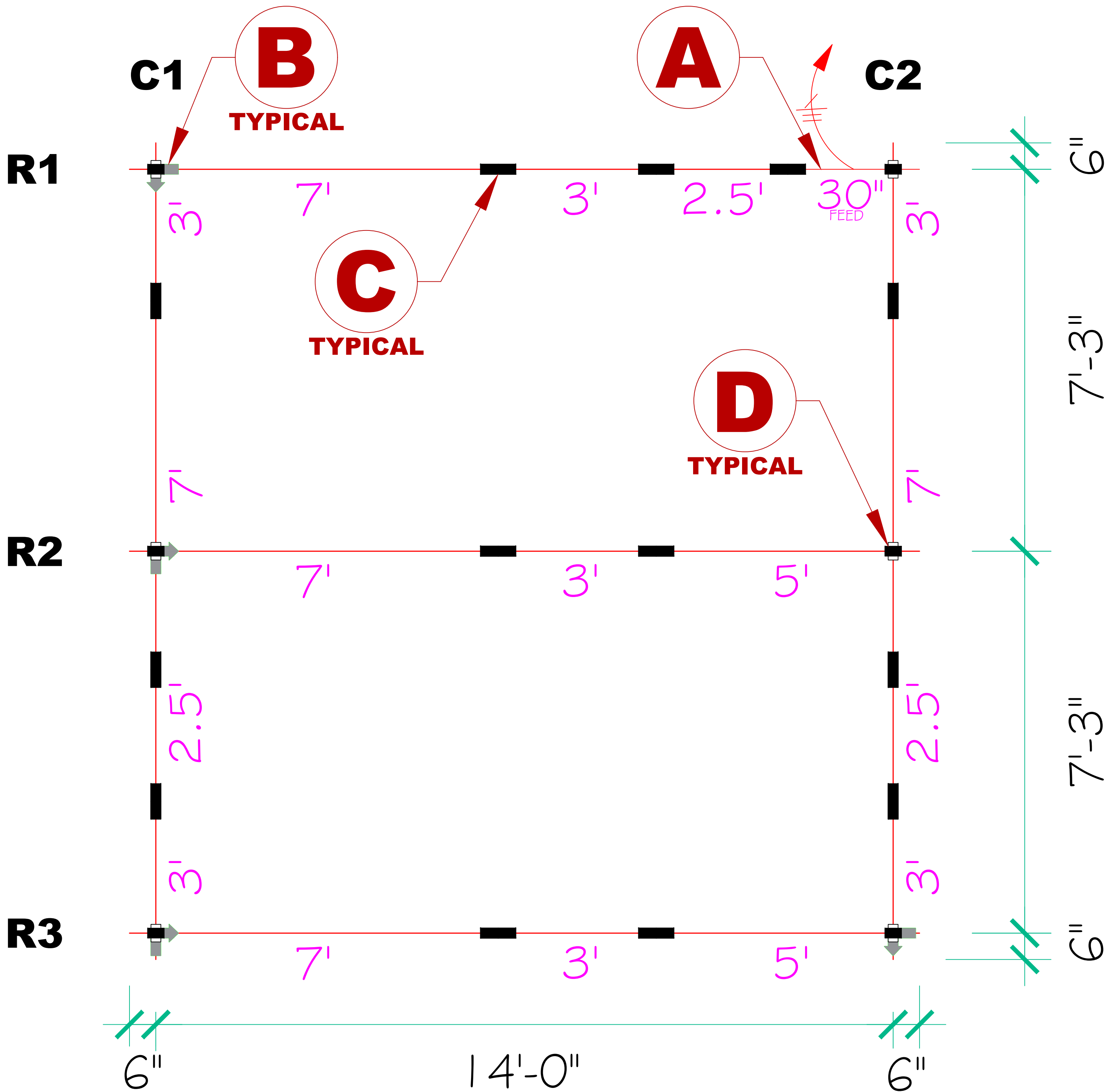
ISO Details



- busSTRUT Lengths Used in this Project
- 2.5'
 - 3'
 - 5'
 - 7'



Dimensions



Legend

	busSTRUT 20 / Single Deck
	30" Starter Feed
	Joiner
	1/1 Slimline Crossover
	Slimline Jumper

bsi

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DRAWN BY: JOHN LOCH
DATE: 11/01/2024
REVISION: BID/REVIEW

Assembly Plan
Rectangle Medium - Lights

busSTRUT SPEC DRAWING SET(ONLY) NOT A REPRESENTATION FOR ANY APPLICATION ARCHITECTURAL ENGINEERING OR ELECTRICAL DRAWINGS

NO.	DATE	REVISION	DESCRIPTION	BY
1	11/01/24	1	ISSUED FOR BIDDING	LG

PAPER SIZE: ARCH E (48x36)
SCALE 3/4" = 1'-0"
DRAWING NUMBER: E-b2