busSTRUT Shop Drawing Set

Express Grid (Large)

busSTRUT SHOP DRAWING SET (ONLY)

NOT A REPLACEMENT FOR ARCHITECTURAL/ENGINEERING/ ELECTRICAL SPECIFICATIONS. (DEFER TO THEIR DRAWINGS)

CONTRACTOR RESPONSIBILITIES

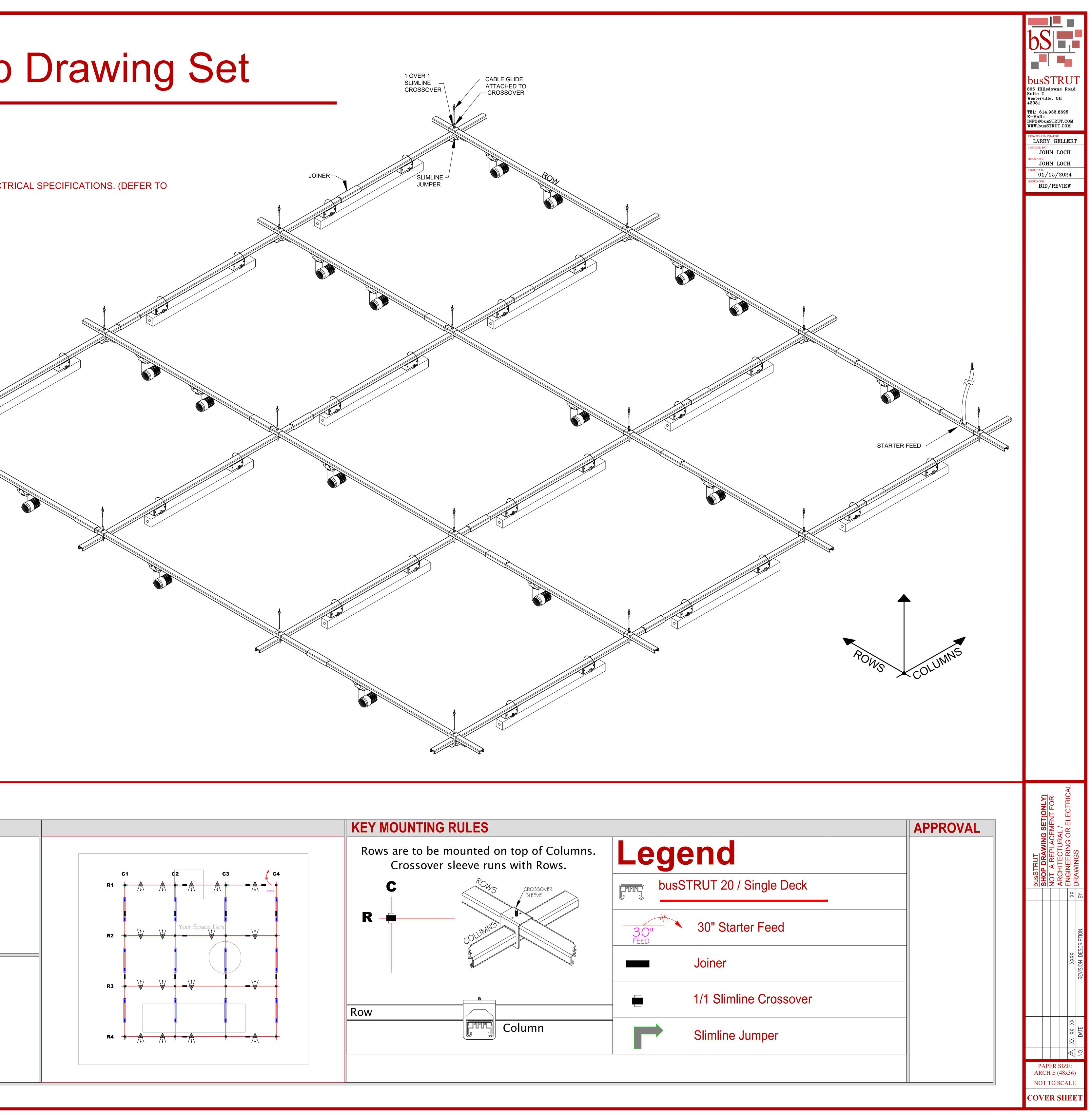
- CONTRACTOR IS RESPONSIBLE FOR: 1.- FOLLOWING busSTRUT CONFIGURATION MOUNTING POINT RULES.
- 2.- REFERRING TO ARCHITECTURAL PLANS FOR PLACEMENT OF LIGHTS.
- 3.- REFERRING TO ELECTRICAL PLANS FOR POWER DISTRIBUTION AND ELECTRICAL CONNECTION REQUIREMENTS.

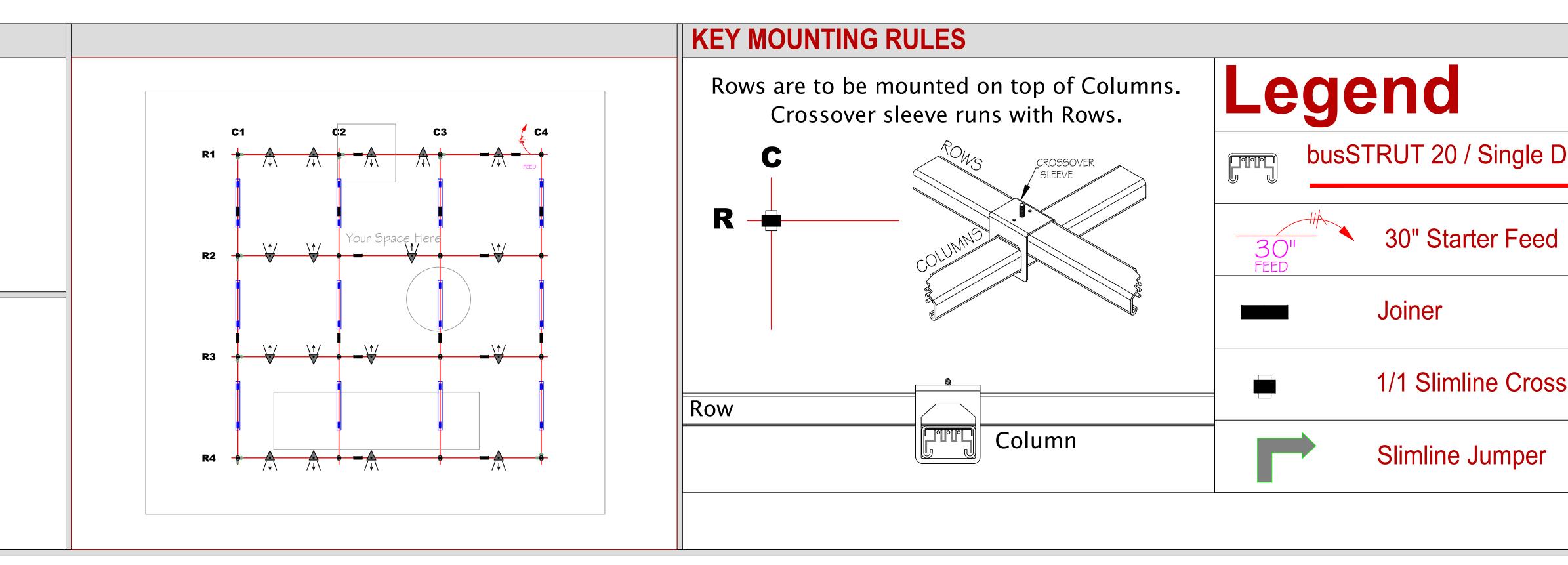
CONNECTION TO

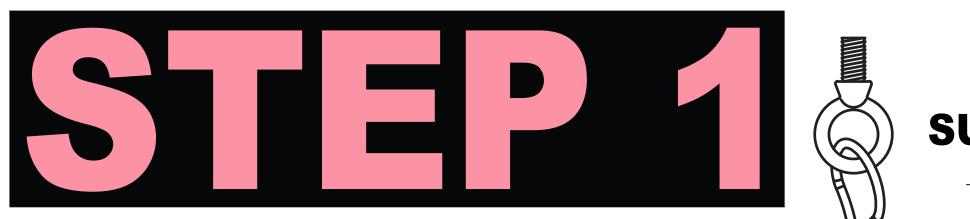
STRUCTURE ATTACHMENT FROM busSTRUT SYSTEM TO STRUCTURE MUST BE ENGINEERED AND INSTALLED TO PROPERLY SUPPORT THE ENTIRE SUSPENDED WEIGHT.

0

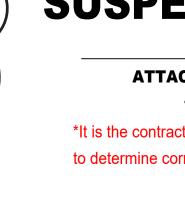
TABLE OF CONTENTS				
E-b01 E-b02	Typical Installation Instructions			
E-b1 E-b2	Lighting Plan, BOM, & Labor Hours Assembly Plan			







SUSPENDING busSTRUT



SLIDE busSTRUT THROUGH SUSPENDED HANGERS

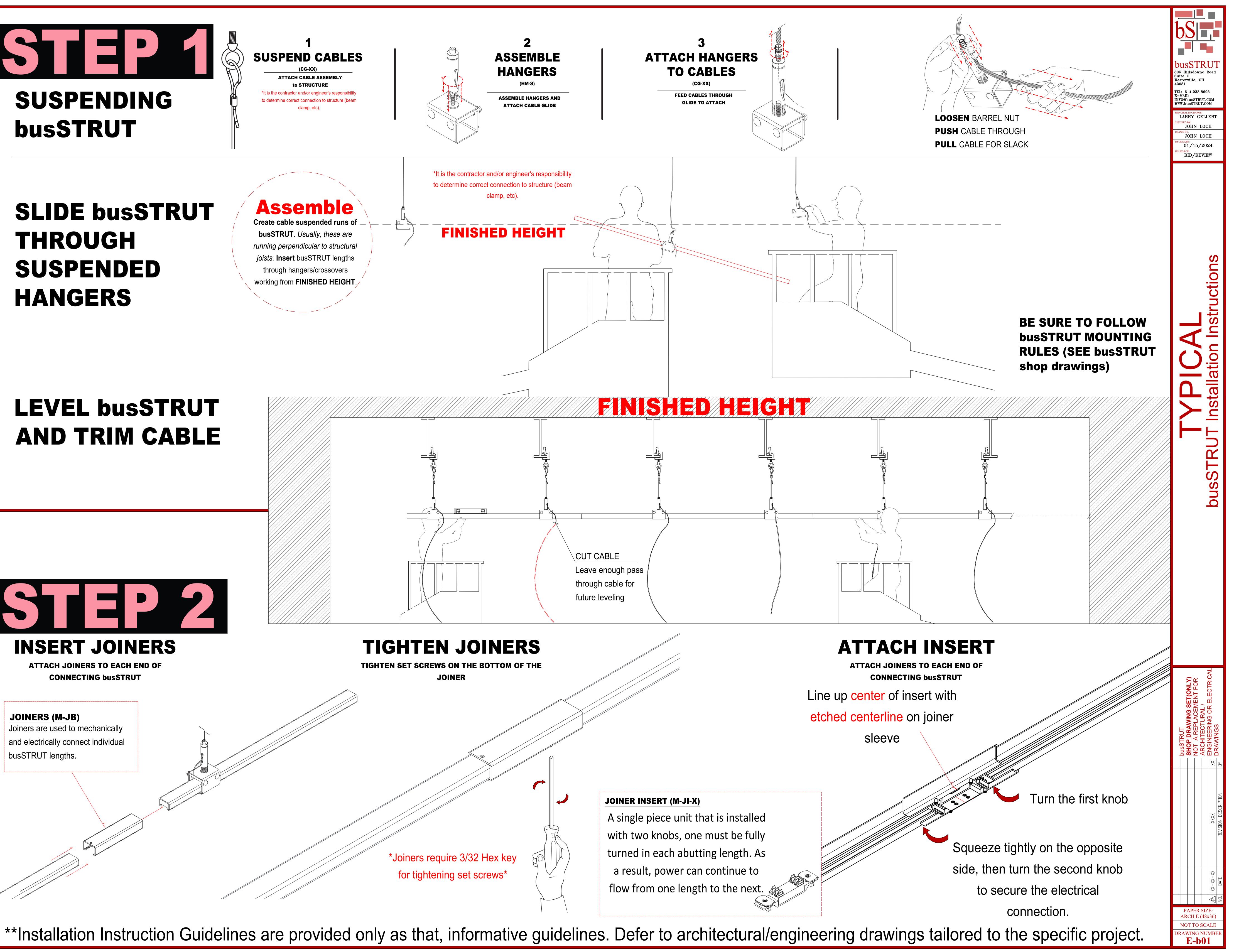
LEVEL busSTRUT AND TRIM CABLE



INSERT JOINERS

ATTACH JOINERS TO EACH END OF **CONNECTING busSTRUT**

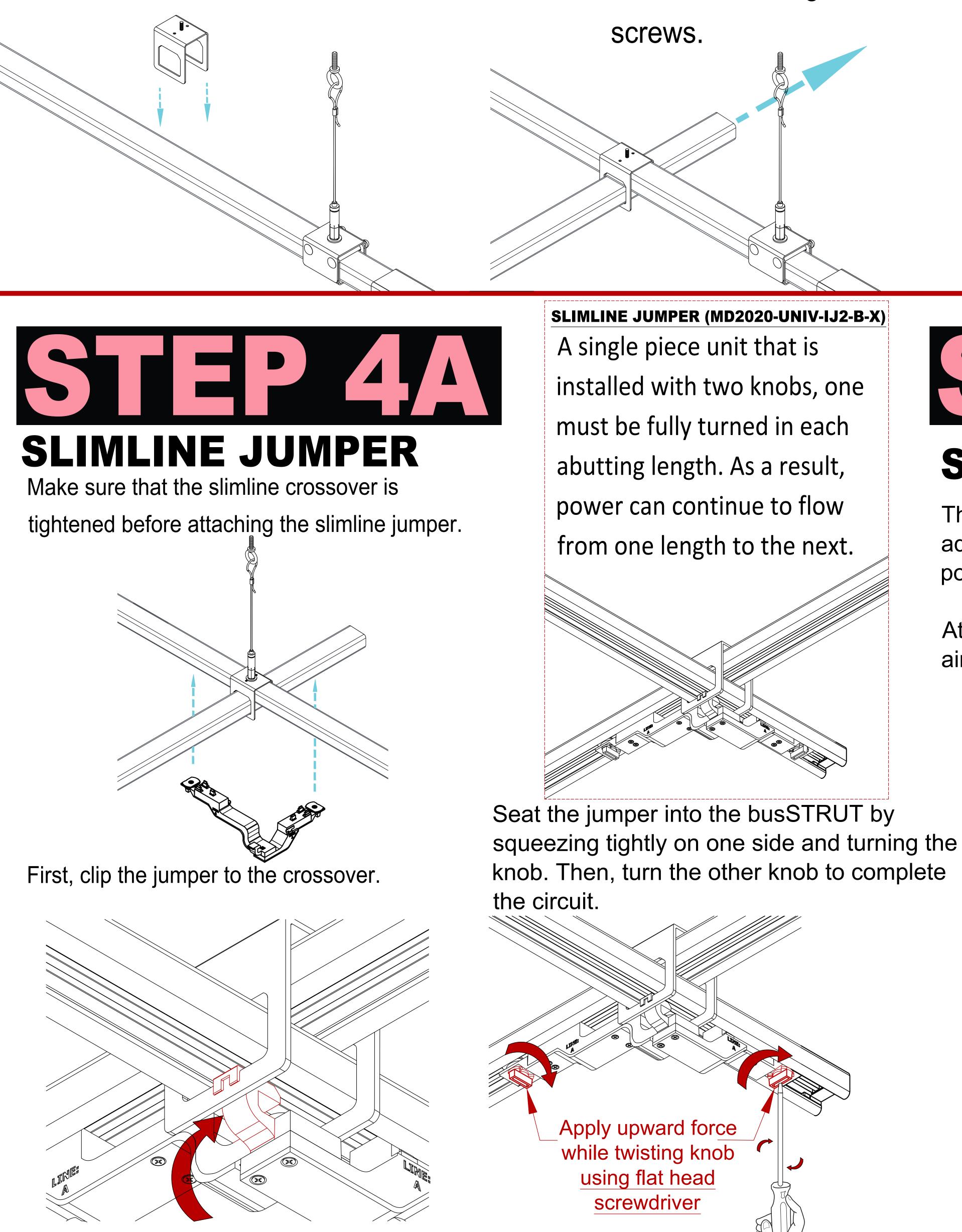
JOINERS (M-JB) Joiners are used to mechanically and electrically connect individual busSTRUT lengths.





DROPPING ON

Crosssovers can be dropped onto suspended busSTRUT to create an intersection with a perpendicular run of busSTRUT.



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

SLIDING ON

Crosssovers can be slid into position and lifted to create perpendicular bridges.

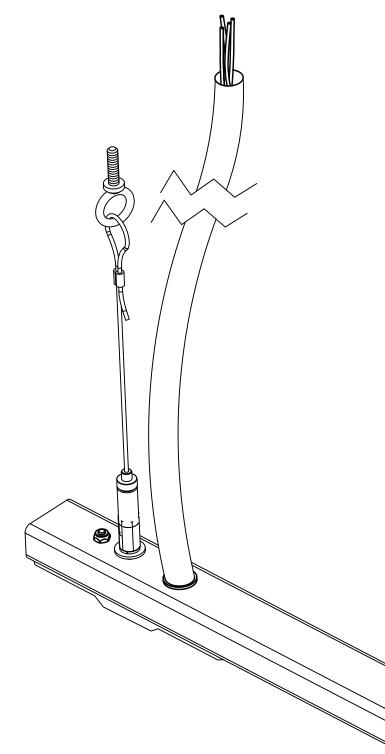
Slide perpendicular runs of busSTRUT through the crossover and tighten the set

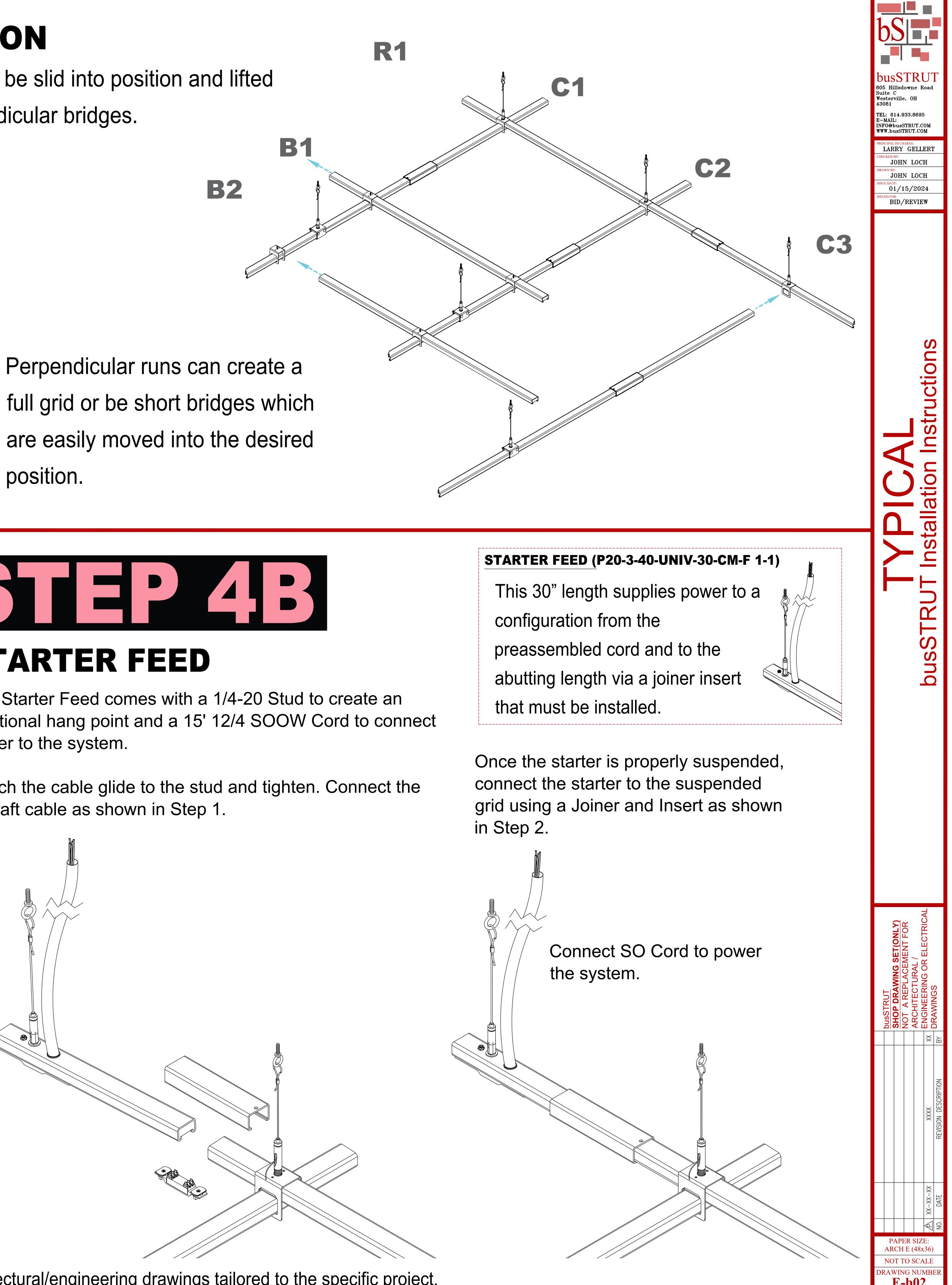
position.

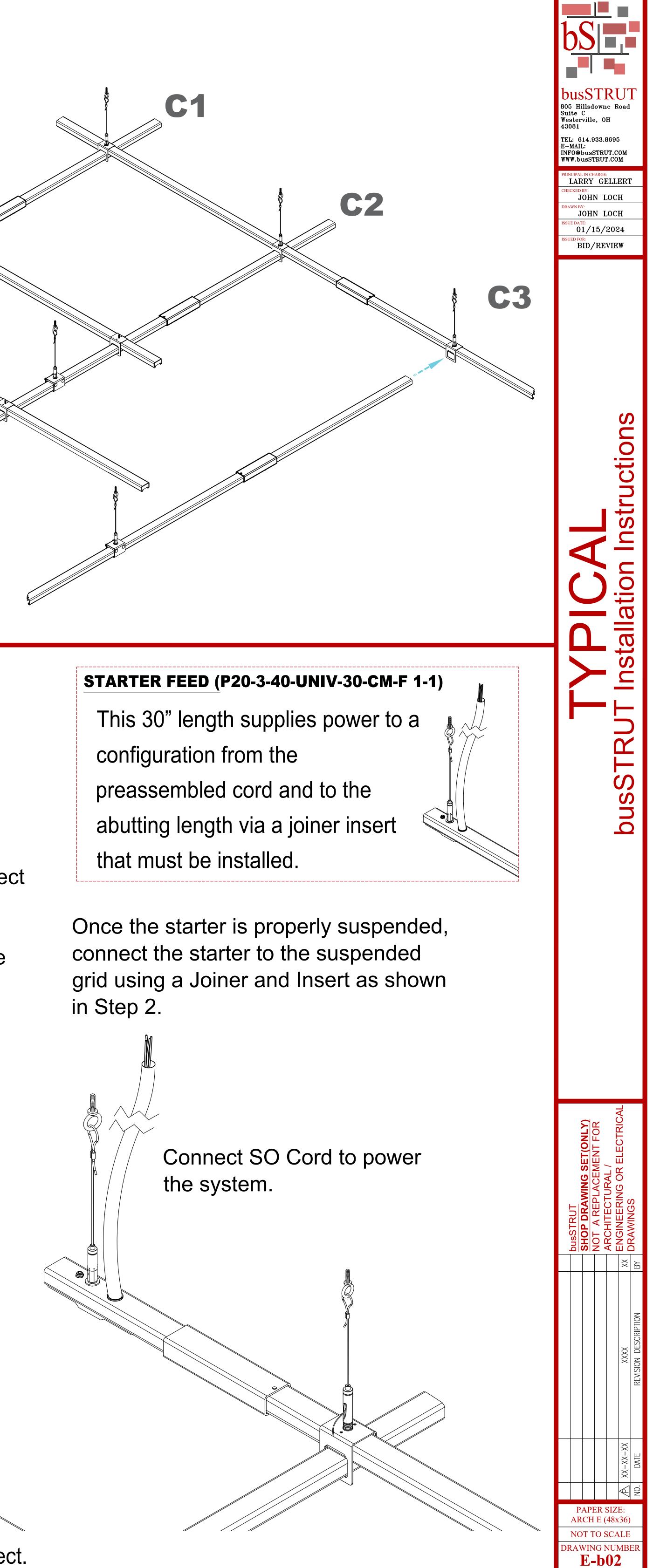


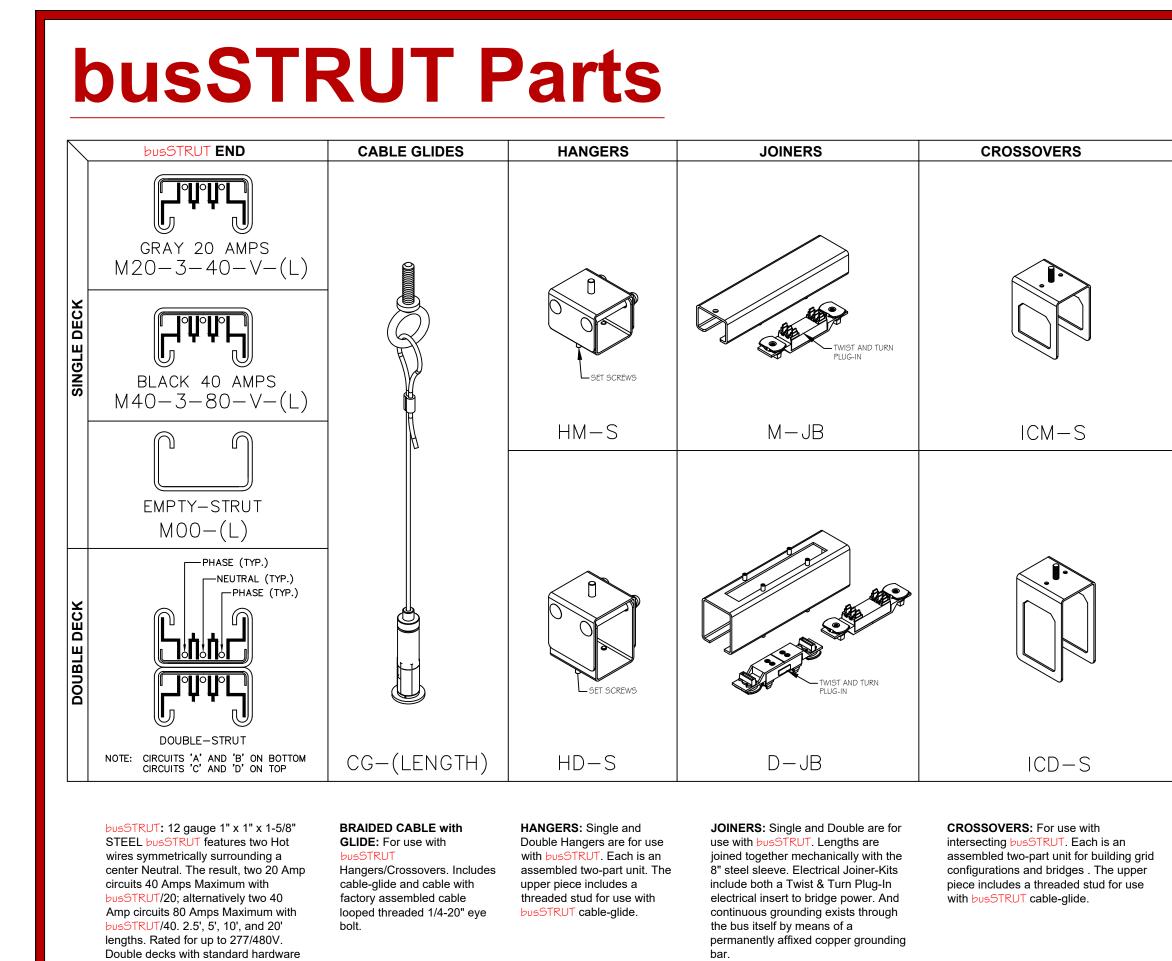
The Starter Feed comes with a 1/4-20 Stud to create an additional hang point and a 15' 12/4 SOOW Cord to connect power to the system.

Attach the cable glide to the stud and tighten. Connect the aircraft cable as shown in Step 1.









Bill of Materials

for trunking.

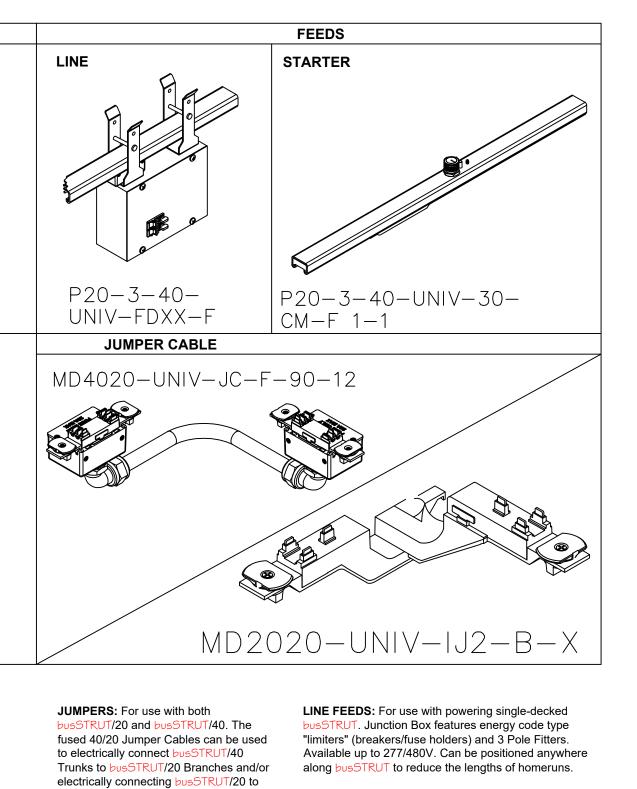
(hucST			atorial	
GRID Larg	no Dosia	n							00501		ll of Ma	iteriai	S
	ge Desig												
					busS	TRUT LE	NGTHS	5		b	usSTRUT	Hardwa	are
					Ы	usSTRU1	20		Joir	ners	1	Hangers	s (
			3	M20-3-40-277-2.5- <mark>F</mark> -2B	M20-3-40-277-3- <mark>F</mark> -2B	M20-3-40-277-5-F-2B	M20-3-40-277 <i>-</i> 7- <mark>F</mark> -2B	M20-3-40-277-10- <mark>F</mark> -2B	M-JB-F-X SINGLE	M-JI-F-X JOINER INSERT	M-JI-F-NE NON-ELECTRIC JOINER INSERT	HM-S-F-ST-LFX SINGLE	
R/C	Amps	LF	BF	2.5	3	5	7	10	M	INS	NE-INS	M	
Rows							-						
RI	20	25	25	1				2	3	3			
R2	20	25	25			1		2	2	2			
R3	20	25	25			1		2	2	2			
R4	20	25	25			1		2	2	2			
SUB TO	OTAL	100	100	1		3		8	9	9			
R/C	Amps	LF	BF	2.5	3	5	7	10	М	INS	NE-INS	M	
Columns													
CI	20	25	25			1		2	2	2			
C2	20	25	25			1		2	2	2			
C3	20	25	25			1		2	2	2			
C4	20	25	25			1		2	2	2			
SUB TO	OTAL	100	100			4		8	8	8			
STORE		200.0	200.0	1		7		16	17	17			

Labor Hours

busSTRUT provides time-tested standard labor hours per part, which are then multiplied by the project's Bill of Materials.

		bu.	sST
	ITEMS	Qty.	U/M
	LENGTHS	200	LF
M	JOINERS	17	EA
busstrut SYSTEM	HANGERS	16	EA
RUT	CROSSOVERS	16	EA
ASST	ATTACHMENTS		EA
pr	JUMPERS	7	ЕA
	FEEDS	1	EA
TURES	ACCENT	17	EA
FIX	LINEARS	12	EA
		bus	STR

Lights



a run.

busSTRUT/20.

STARTER FEEDS: For use with powering single-decked

on the busSTRUT. Must be positioned at the beginning of

busSTRUT. Utilized when no current limiting is required

Drawn By John Loch Checked By John Loch 1/15/2024 Date busSTRUT POWER ers C-GI Xover Jcord GEN ACT Line A Z Z ST CE MO 00 C-GI 1/1 12" INVS JK 30ST 40 GEN ACT 16 16 3 C-GI 1/1 12" INVS JK 30ST 40 GEN ACT 12 4

16 16 7 1 12 17

U/M		STANDARDIZED LABOR HOURS mín hrs 60			TOTAL HRS
LF	х	2.75	0.05	=	9
EA	х	12	0.20	=	3
EA	х	25	0.42	=	7
EA	x	10	0.1チ	=	3
EA	х	8	0.13	=	0
EA	х	6	0.10	=	1
EA	х	15	0.25	=	0
DUSSTRUT SUB-TOTAL					23
EA	Х	8	0.13	=	2
EA	х	20	0.33	=	4
USSTRU	SSTRUT READY LIGHTS SUB-TOTAL			=	6
			TOTAL TIME	=	29

Lighting Plan

busSTRUT

LIGHTING PLAN ONLY THIS DRAWING IS MEANT TO SHOW THE LOCATION OF busSTRUT LIGHTS ONLY. IT IS NOT A REPLACEMENT FOR: ARCHITECTURAL ENGINEERING / ELECTRICAL SPECIFICATIONS. (SEE THEIR DRAWINGS)

R2

R4

