# busSTRUT Shop Drawing Set

# Express Grid (Large) - Power Drops

## **busSTRUT SHOP DRAWING SET (ONLY)**

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

## **CONTRACTOR RESPONSIBILITIES**

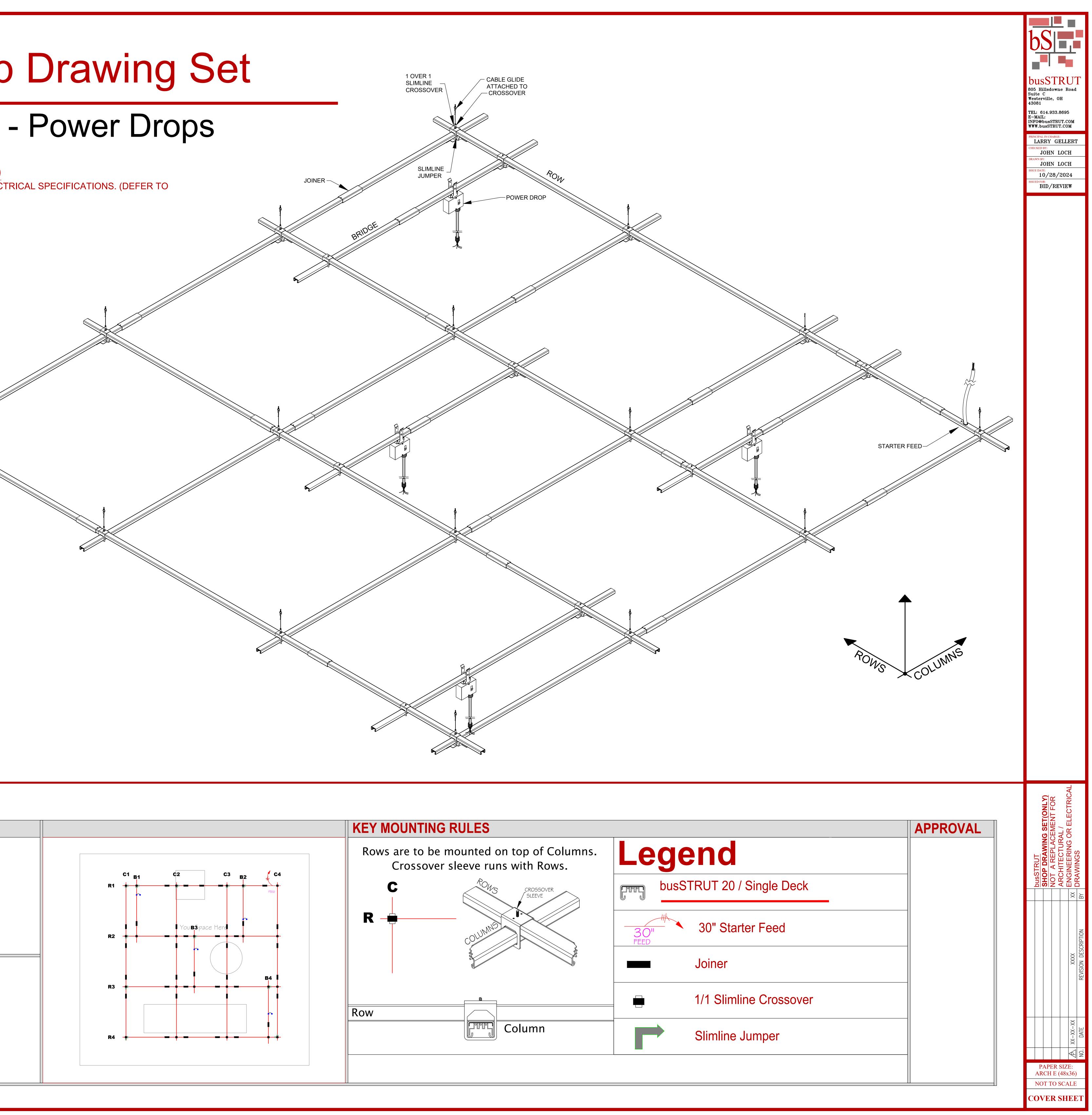
- CONTRACTOR IS RESPONSIBLE FOR: 1.- FOLLOWING busSTRUT CONFIGURATION MOUNTING POINT RULES.
- 2.- REFERRING TO ARCHITECTURAL PLANS FOR PLACEMENT OF LIGHTS.
- 3.- REFERRING TO ELECTRICAL PLANS FOR POWER DISTRIBUTION AND ELECTRICAL CONNECTION REQUIREMENTS.

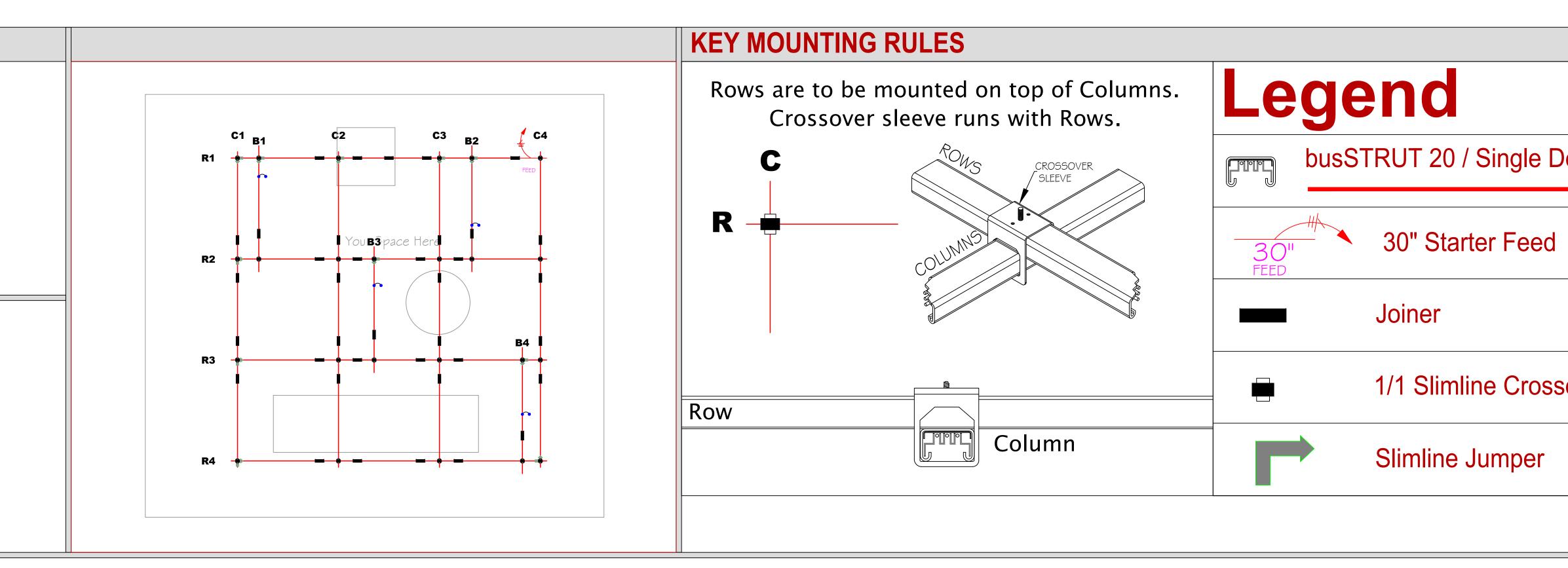
## **CONNECTION TO**

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

COLUMN	

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SUSPENDING busSTRUT

# **SLIDE busSTRUT** THROUGH SUSPENDED HANGERS

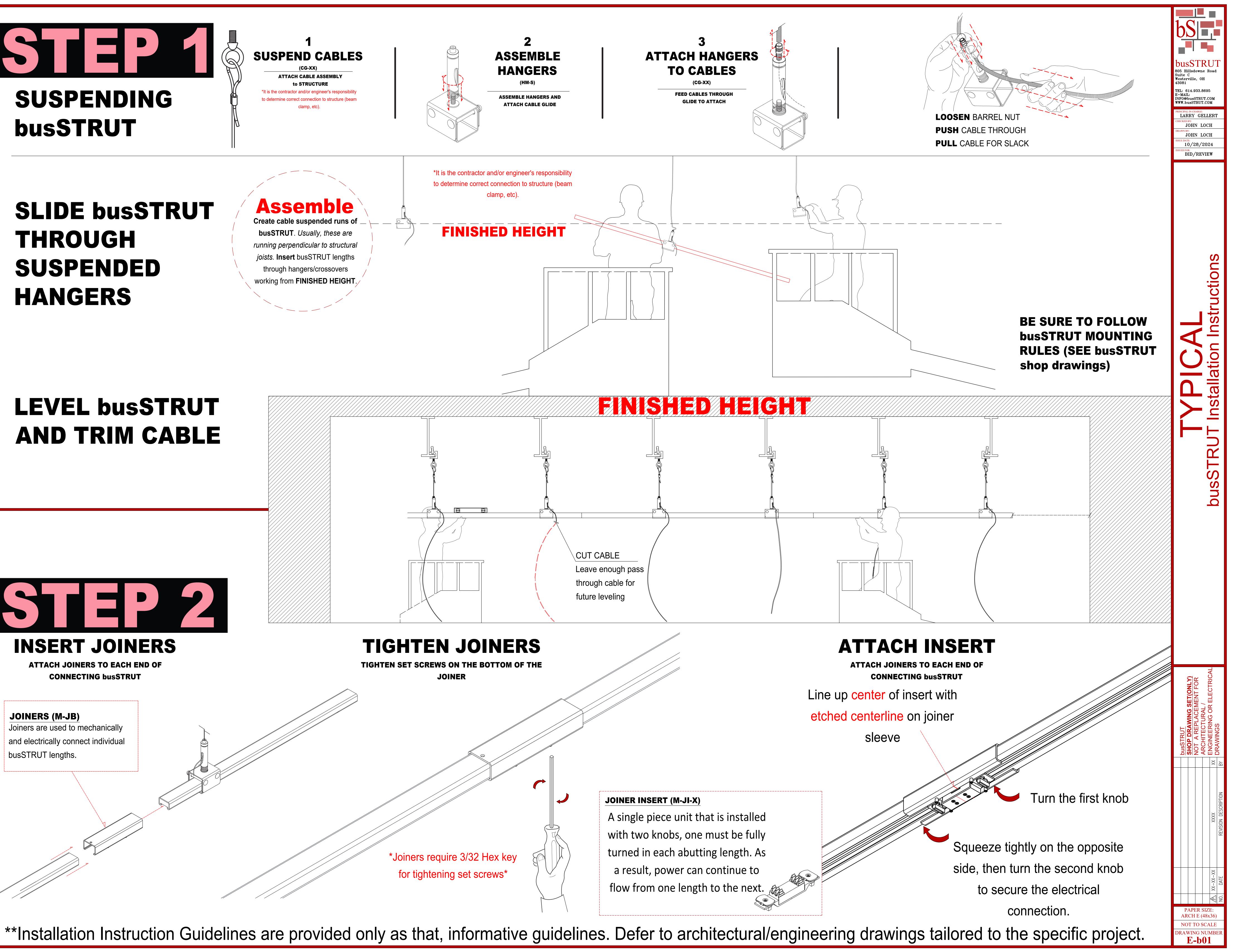
**LEVEL busSTRUT AND TRIM CABLE** 



## **INSERT JOINERS**

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

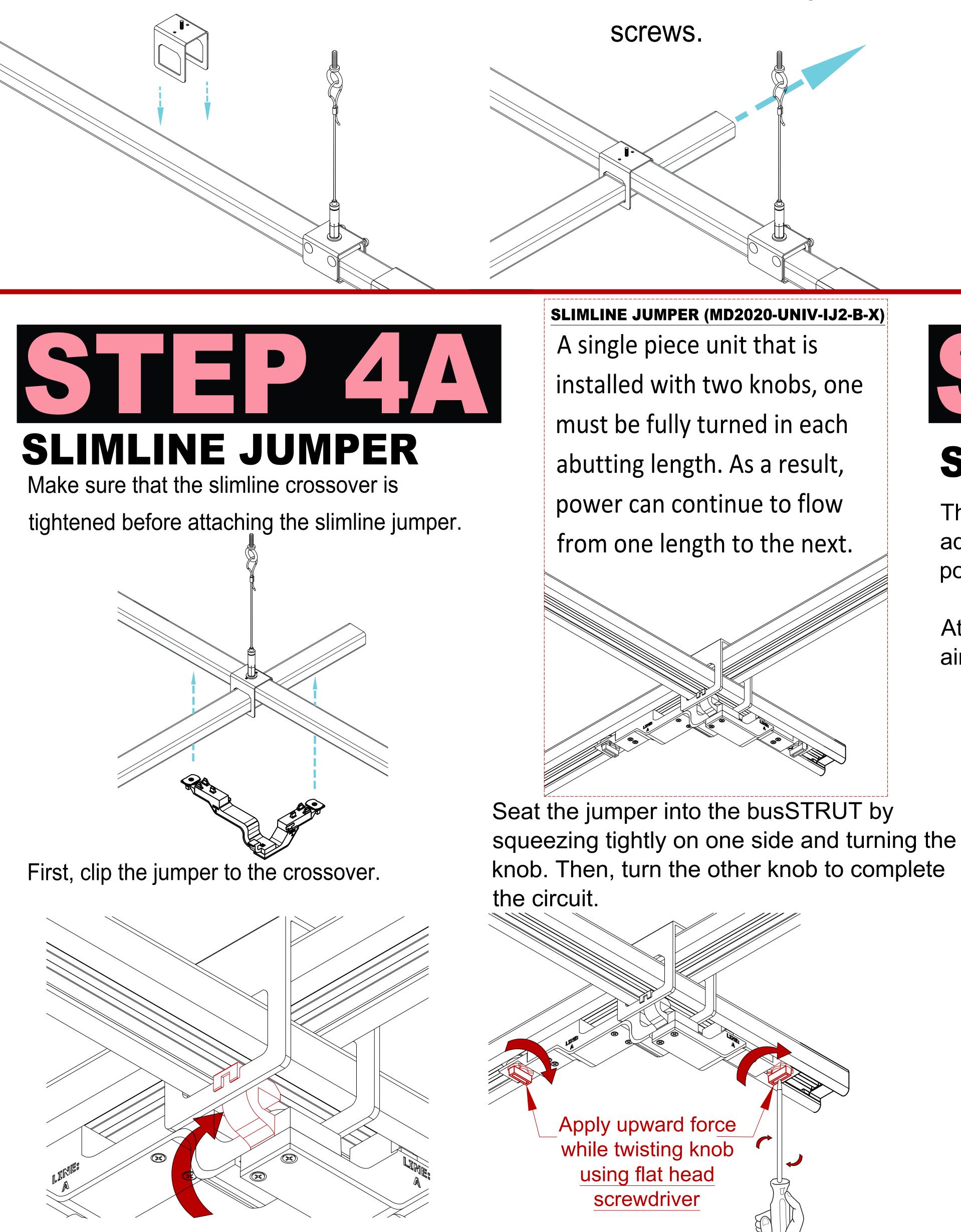
JOINERS (M-JB) Joiners are used to mechanically and electrically connect individual busSTRUT lengths.





**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.

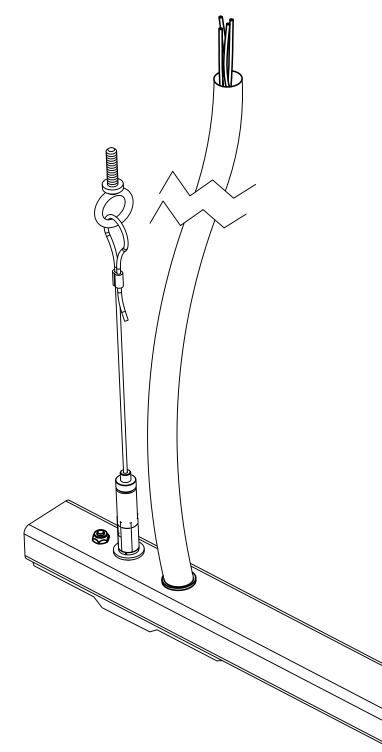
Slide perpendicular runs of busSTRUT through the crossover and tighten the set

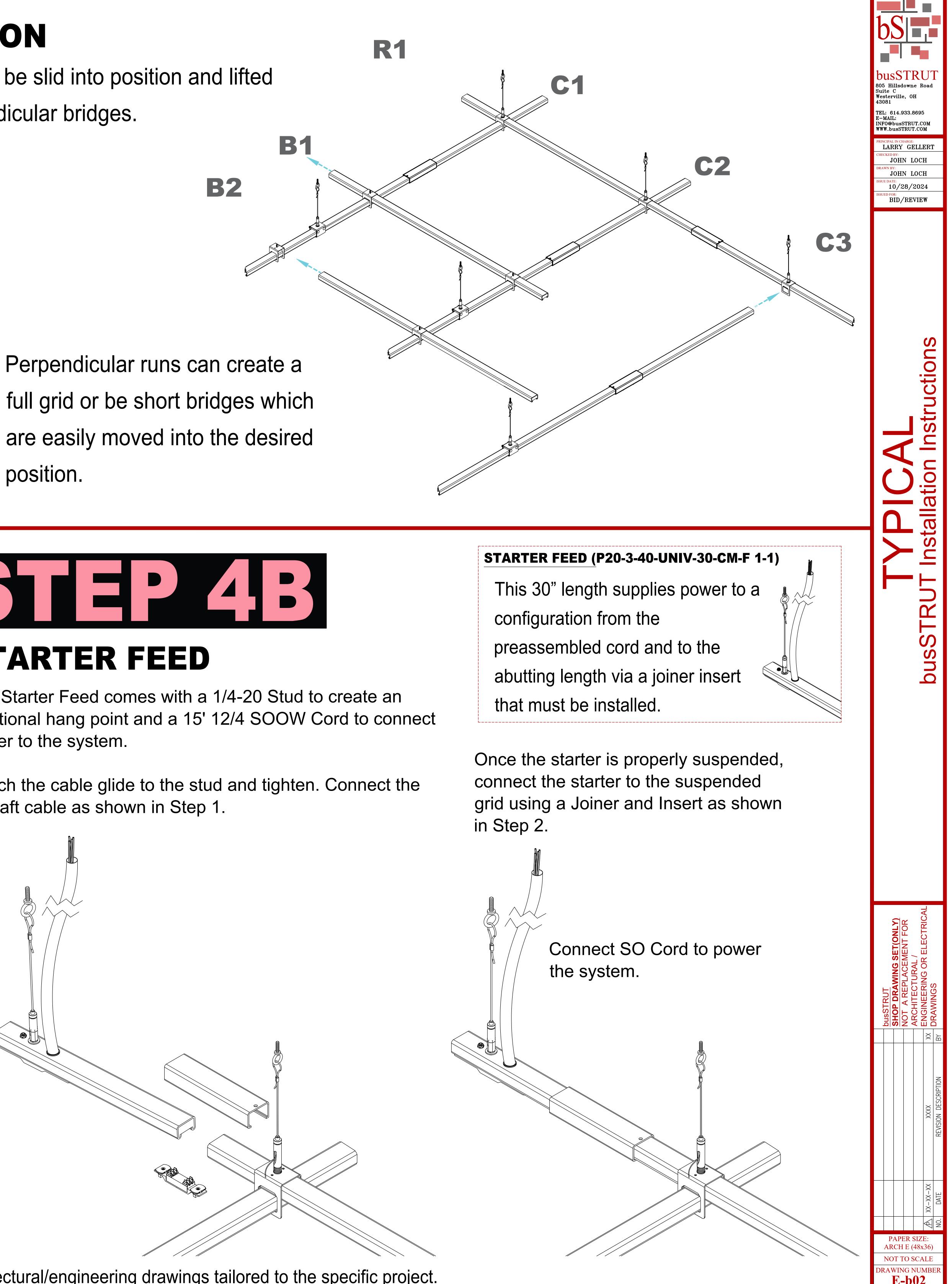
position.

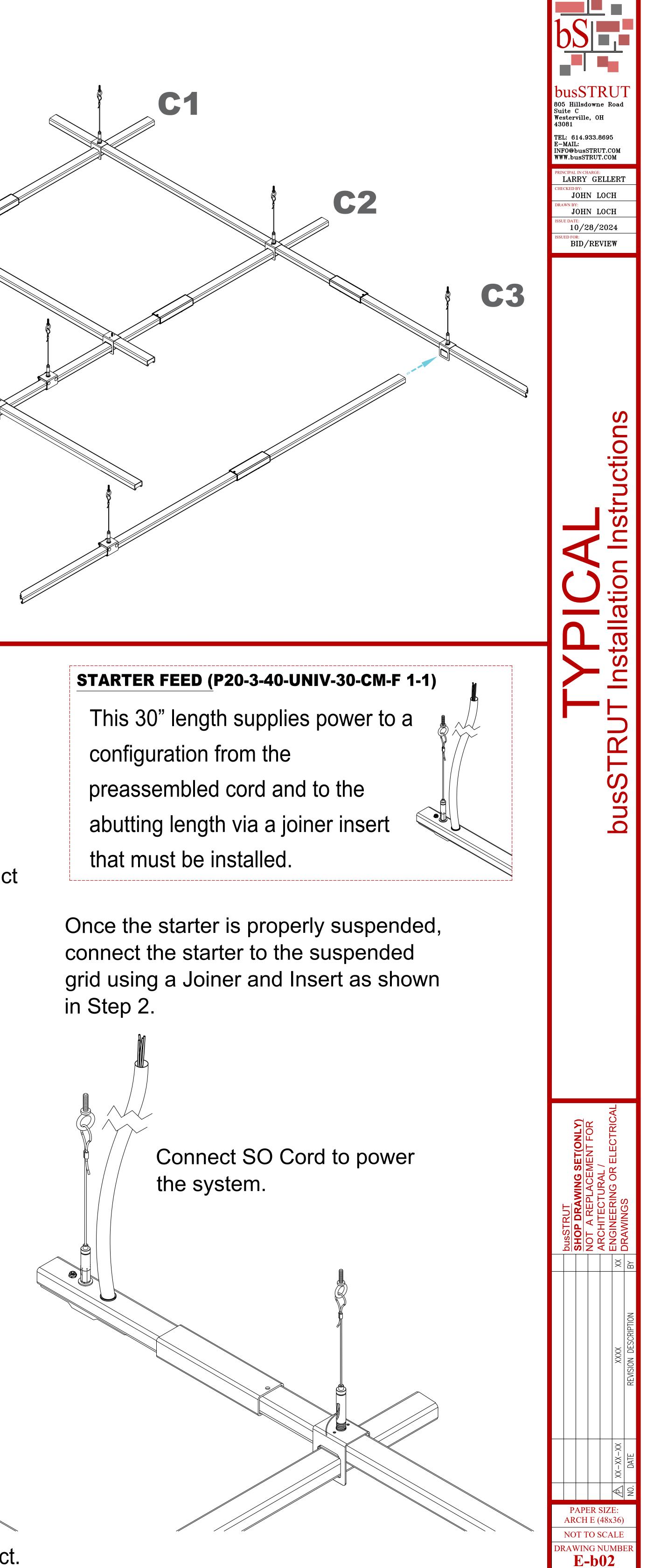


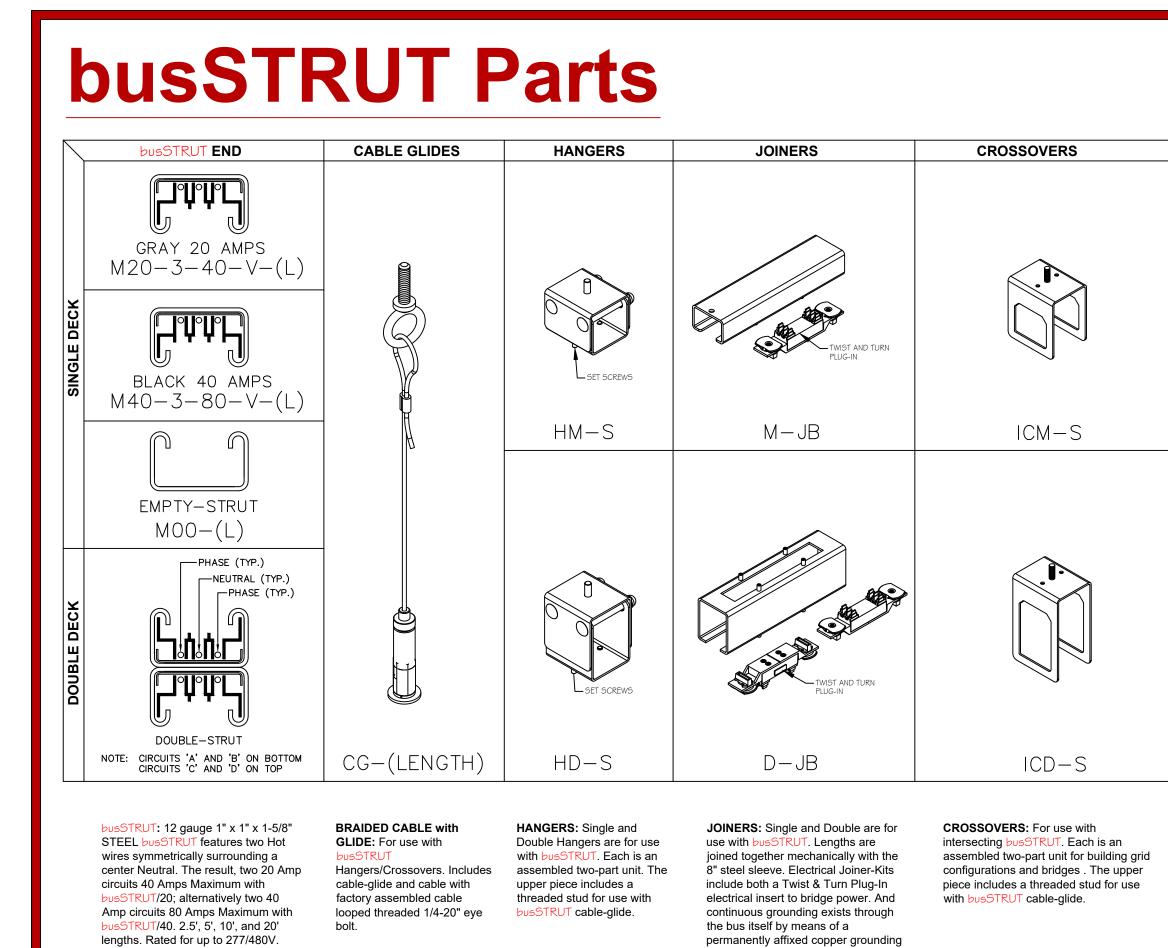
The Starter Feed comes with a 1/4-20 Stud to create an additional hang point and a 15' 12/4 SOOW Cord to connect power to the system.

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









## **Bill of Materials**

Double decks with standard hardware

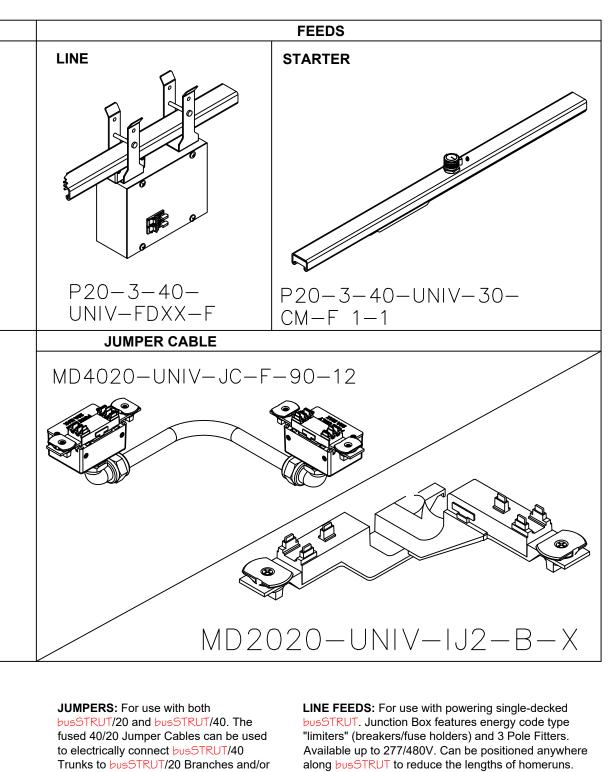
for trunking.

GRID I ar						I		ł	pusST		of Ma							Draw	n Rv	John	Loch
GRID Large PD											Finis	sh T	<b>BD</b>					Drawn By John Loch Checked By John Loch			
								Galvanized, White, or Black								Date 10/28/2024					
busSTRUT LENG					LENG								UT PO	OWER							
					busSTI	RUT <b>20</b>		Join	iers	1	Hangers C-GI Xo			Xover	Xover Jcord	Line				GEN AC	
								SINGLE	JOINER INSERT	NON-ELECTRIC JOINER INSERT	SINGLE	DÉCOR BRACKET			2-GO2 JUMP CORD		ц	F 1-1 STARTER FEED CENTER MOUNT	53	VD-F	)C)
				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	M20-3-40-277-7-F-2B	M-JB-F-X	л- <mark>г</mark> -Х	M-I-F-NE	HM-S-F-ST-LFX	MKU-ST-A-F	CG-E-15-B-GL	ICM-S-F-ST-X	MD4020-UNIV-JCF-90-12-GO2	MD2020-UNIV-IJ2-F-X	P20-3-40-UNIV-JK-NB-F	P20-3-40-UNIV-30-CM-F	MD40-2-120-CB20-DC-XX-LE-F	BRL-4-40L-30K80-ST-WD-	ВК-LUCY-U-309-30 <b>-F</b> -(OC)
R/C	Amps	LF	BF	2.5	3	5	7	М	INS	NE-INS	М	DB	C-GI	1/1	12"	INVS	ЈК	30ST	PD	GEN	ACT
Rows	0.0																	-			
RI R2	20 20	25 25	25 25	1	2	1	2	5 4	5				4	4		1		1			
R3	20	25	25		2	1	2	4	4				4	4		1					
R4	20	25	25		2	1	2	4	4				4	4		1					
SUB T	OTAL	100	100	1	8	3	8	17	17				16	16		3		1			
R/C	Amps	LF	BF	2.5	3	5	7	М	INS	<b>NE-INS</b>	Μ	DB	C-GI	1/1	12"	INVS	JK	30ST	PD	GEN	ACT
Columns																					
CI	20	25	25		2	1	2	4	4	-						1					
C2 C3	20 20	25 25	25 25		2	1	2	4	4							1					
C4	20	25	25		2	1	2	4	4							1					
SUB T		100	100		8	4	8	16	16							4					
R/C	Amps	LF	BF	2.5	3	5	7	Μ	INS	<b>NE-INS</b>	М	DB	C-GI	1/1	12"	INVS	JK	30ST	PD	GEN	ACT
Bridges																					
BI	20	10	10		1		1	1	1					2		1	1		1		
B2	20	10	10		1		1	1	1					2		1	1		1		
B3	20	10	10		1		1	1	1					2		1			1		
B4	20	10	10		1		1	1	1					2		1			1		
SUB T		40	40		4		4	4	4					8		4			4		
									37												

## Labor Hours

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

		bu.	S.
	ITEMS	Qty.	ι
	LENGTHS	240	
ΜЩ	JOINERS	37	
SYST	HANGERS	16	
busSTRUT SYSTEM	CROSSOVERS	16	
LTS SJ	ATTACHMENTS	4	
pr	JUMPERS	11	
	FEEDS	1	
URES	ACCENT		
FIXTURE	LINEARS		
		bus	55



a run.

electrically connecting busSTRUT/20 to

busSTRUT/20.

STARTER FEEDS: For use with powering single-decked busSTRUT. Utilized when no current limiting is required on the busSTRUT. Must be positioned at the beginning of

### STRUT LABOR

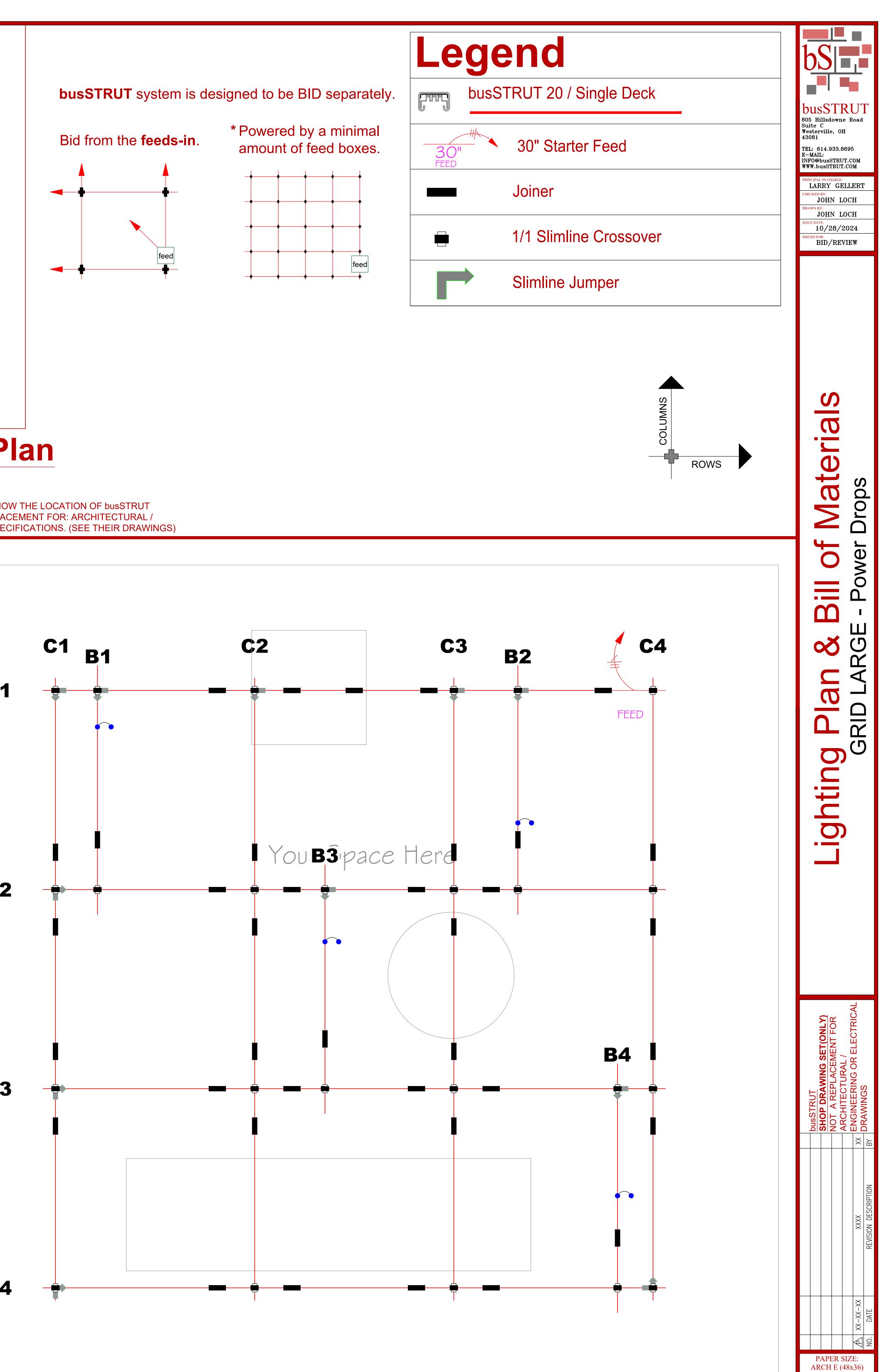
U/M		STANDA LABOR mín		TOTAL HRS	
LF	x	2.75	0.05	=	11
EĄ	x	12	0.20	=	7
EA	x	25	0.42	=	7
EA	x	10	0.17	=	3
EA	x	8	0.13	=	1
EA	x	6	0.10	=	1
EĄ	x	15	0.25	=	0
		busstrut	SUB-TOTAL	=	30
EA	x	8	0.13	=	0
EA	х	20	0.33	=	0
STRU	FRE/	₩ LIGHTS	SUB-TOTAL	=	0
		-	TOTAL TIME	=	30

## **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** 



SCALE 5/8" = 1'-0"

DRAWING NUMBER

**E-b1** 

