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

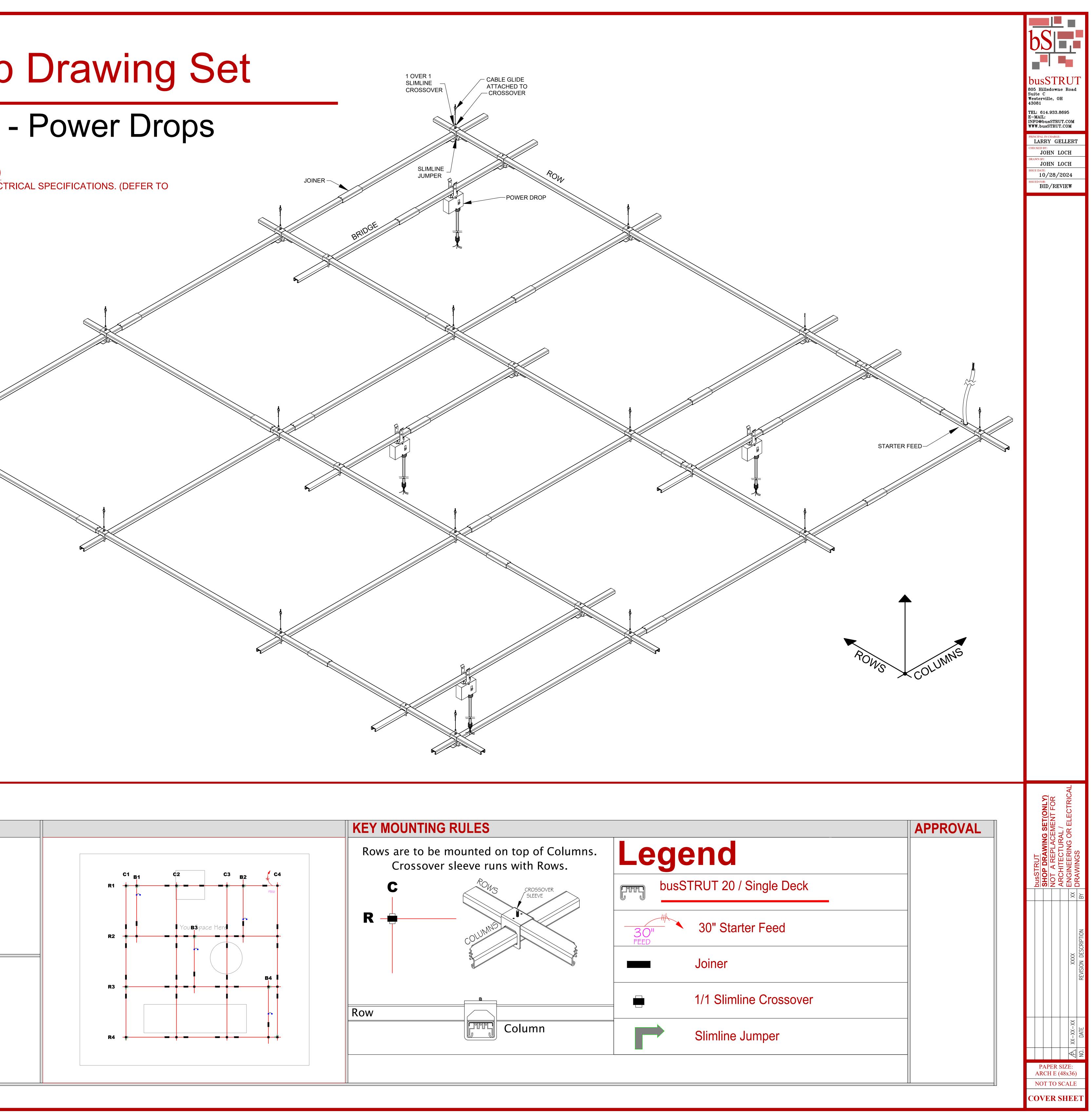
- CONTRACTOR IS RESPONSIBLE FOR: 1.- FOLLOWING busSTRUT CONFIGURATION MOUNTING POINT RULES.
- 2.- REFERRING TO ARCHITECTURAL PLANS FOR PLACEMENT OF LIGHTS.
- 3.- REFERRING TO ELECTRICAL PLANS FOR POWER DISTRIBUTION AND ELECTRICAL CONNECTION REQUIREMENTS.

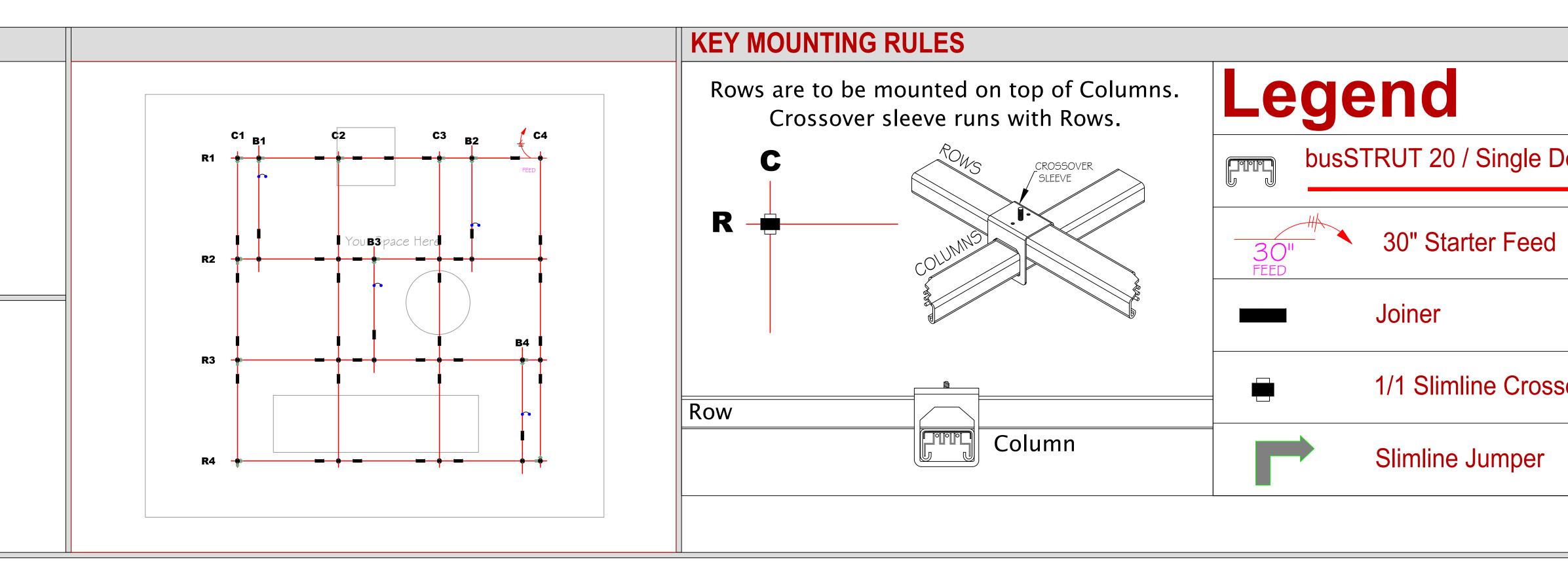
CONNECTION TO

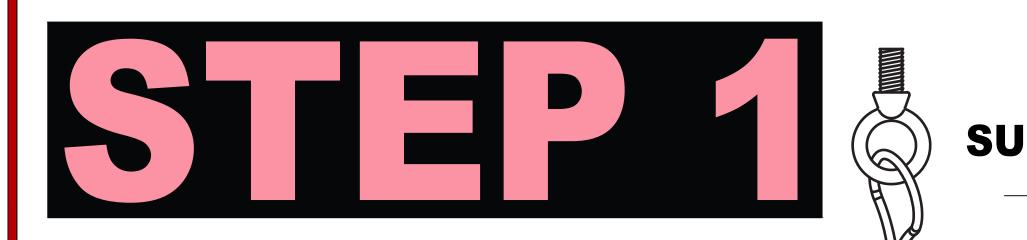
STRUCTURE ATTACHMENT FROM busSTRUT SYSTEM TO STRUCTURE MUST BE ENGINEERED AND INSTALLED TO PROPERLY SUPPORT THE ENTIRE SUSPENDED WEIGHT.

COLUMN	

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

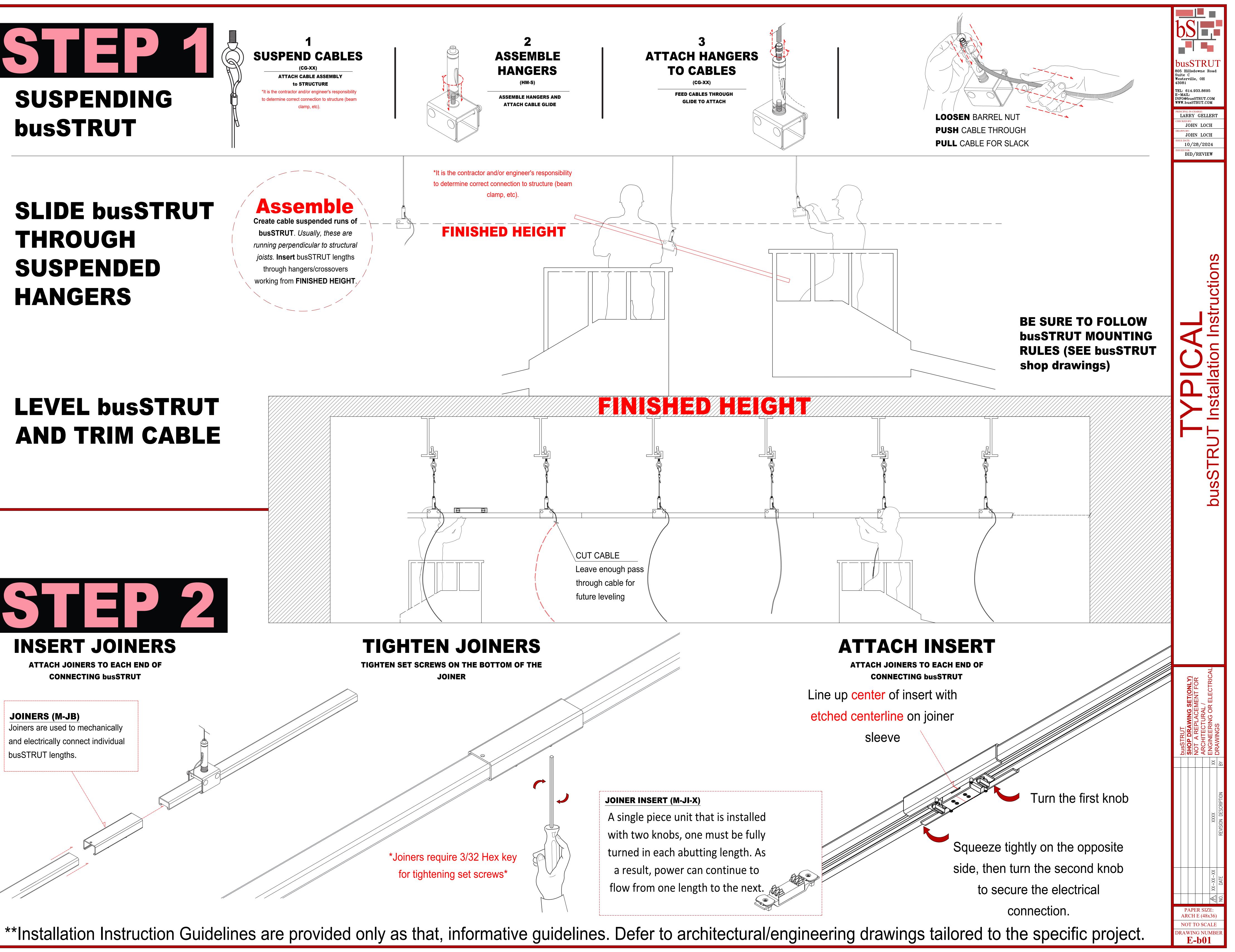
LEVEL busSTRUT AND TRIM CABLE



INSERT JOINERS

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

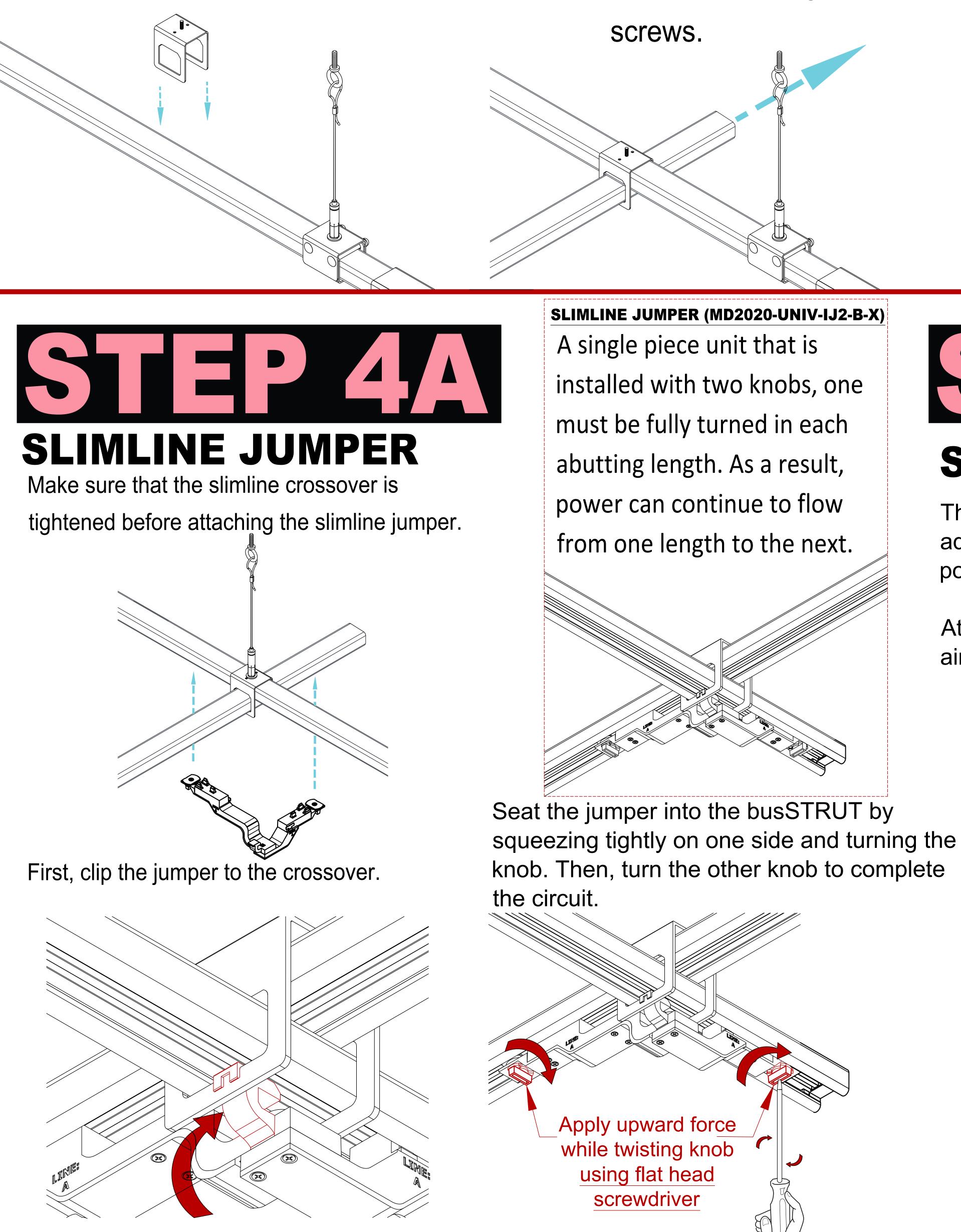
JOINERS (M-JB) Joiners are used to mechanically and electrically connect individual busSTRUT lengths.





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.

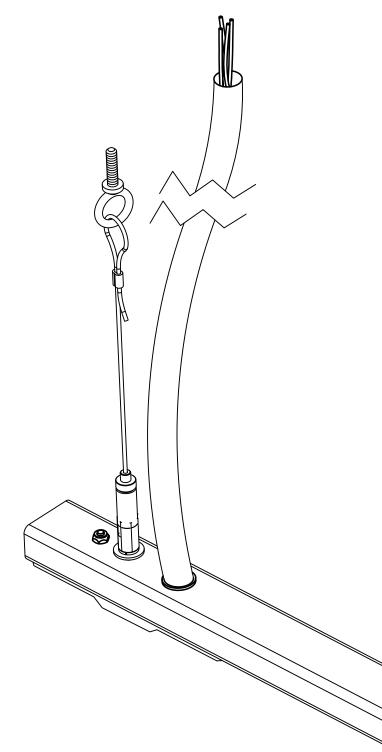
Slide perpendicular runs of busSTRUT through the crossover and tighten the set

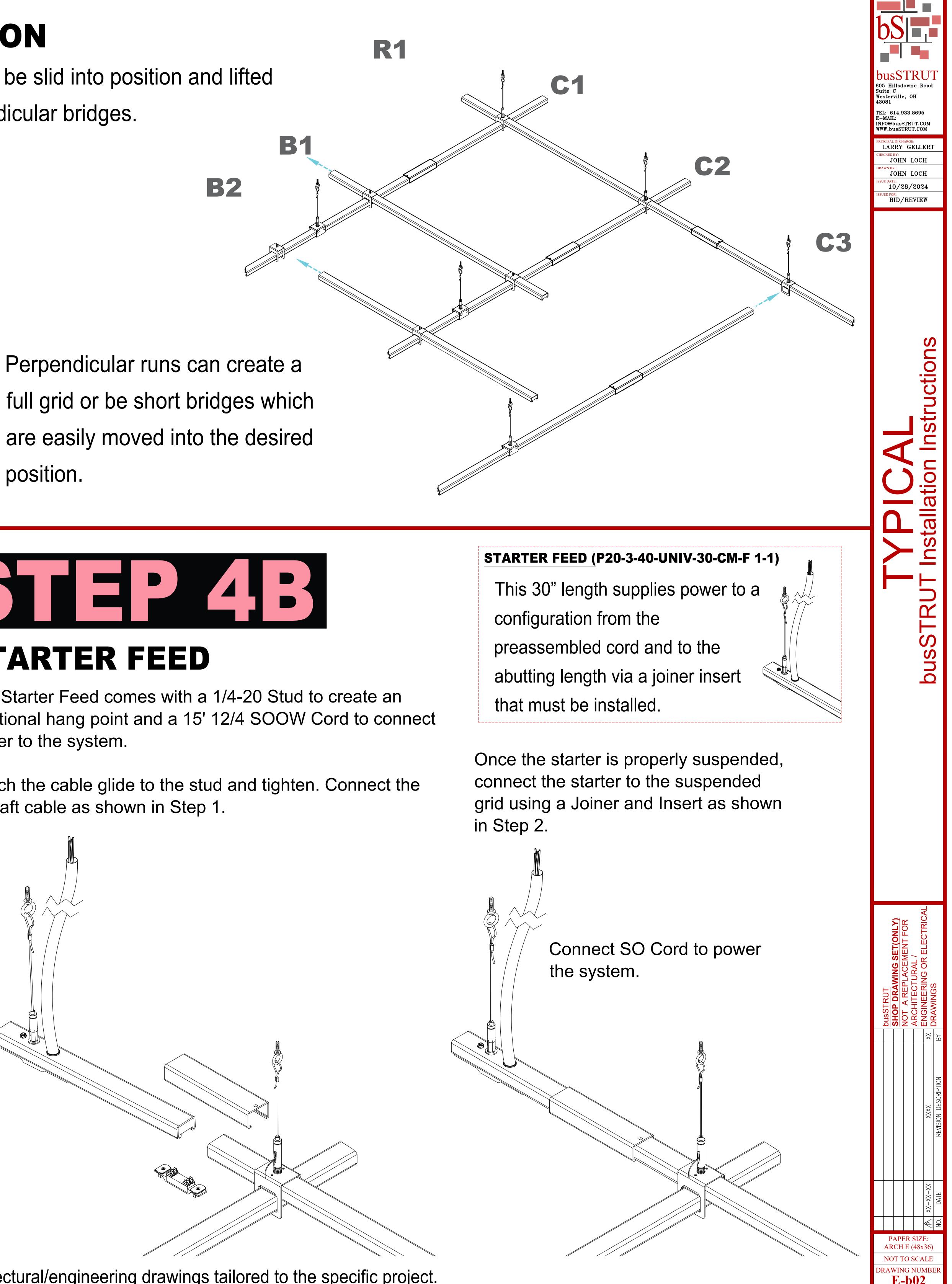
position.

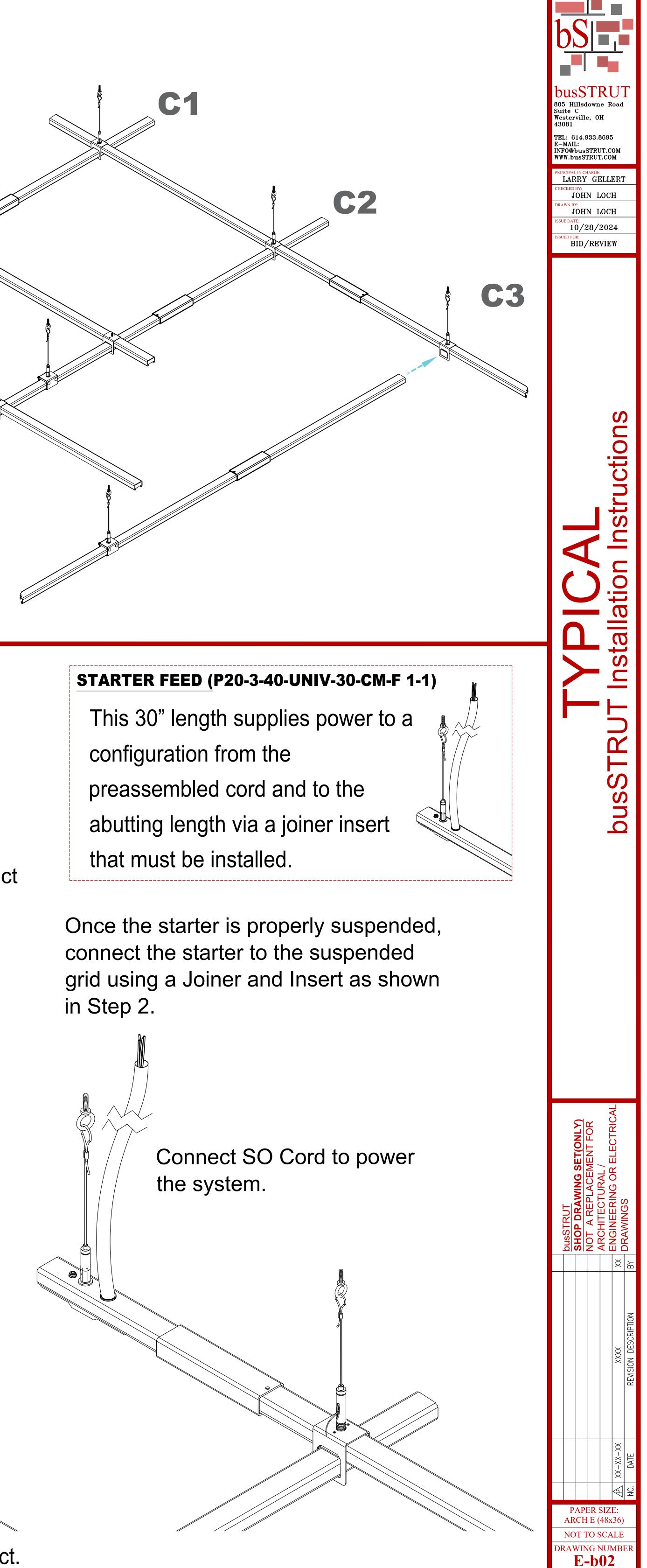


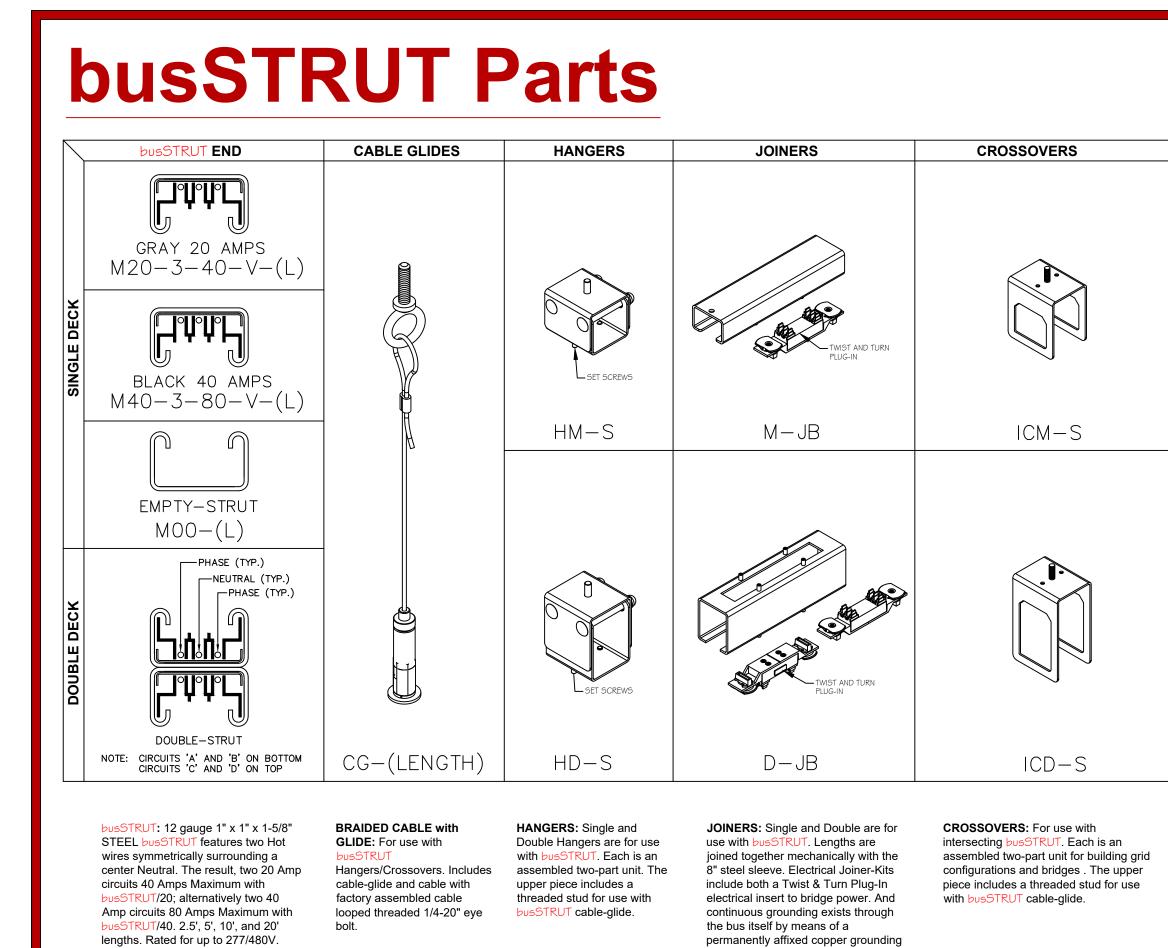
The Starter Feed comes with a 1/4-20 Stud to create an additional hang point and a 15' 12/4 SOOW Cord to connect power to the system.

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









Bill of Materials

Double decks with standard hardware

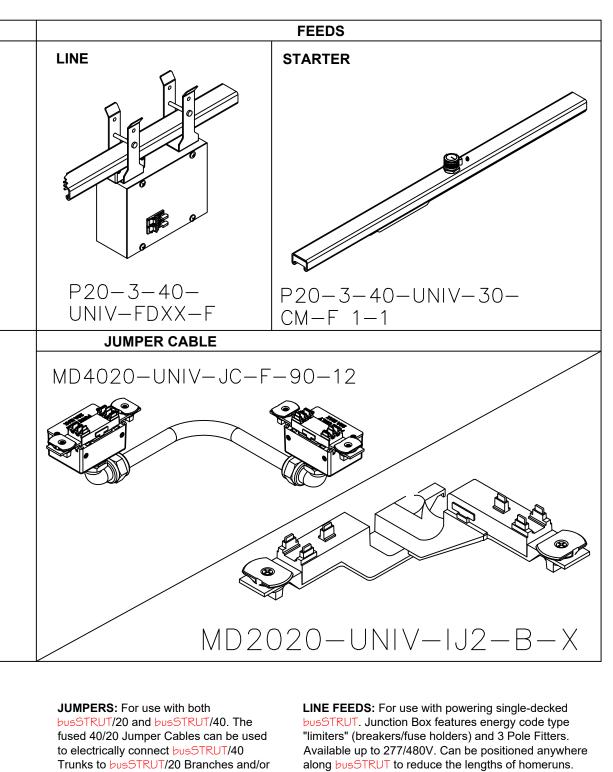
for trunking.

GRID I ar						I		ł	pusST		of Ma							Draw	n Rv	John	Loch
GRID Large PD											Finis	sh T	BD					Drawn By John Loch Checked By John Loch			
								Galvanized, White, or Black								Date 10/28/2024					
busSTRUT LENG					LENG								UT PO	OWER							
					busSTI	RUT 20		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 -F -(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	NE-INS	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	NE-INS	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

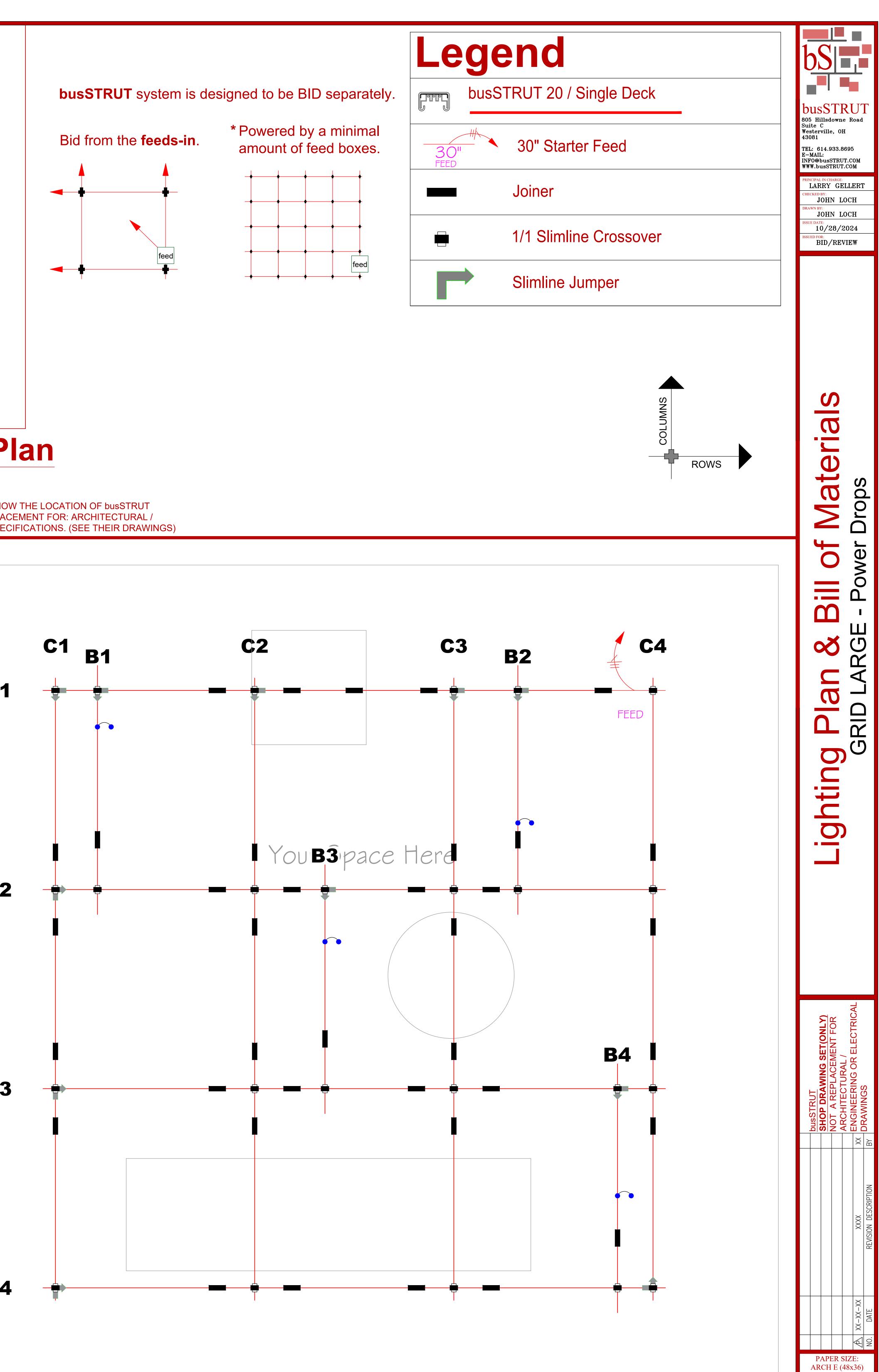
U/M		STANDA LABOR mín		TOTAL HRS	
LF	x	2.75	0.05	=	11
EĄ	x	12	0.20	=	7
EA	x	25	0.42	=	7
EA	x	10	0.17	=	3
EA	x	8	0.13	=	1
EA	x	6	0.10	=	1
EĄ	x	15	0.25	=	0
		busstrut	SUB-TOTAL	=	30
EA	x	8	0.13	=	0
EA	х	20	0.33	=	0
STRU	FRE/	₩ LIGHTS	SUB-TOTAL	=	0
		-	TOTAL TIME	=	30

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

