# busSTRUT Shop Drawing Set Grid (Small) - 7'-6" x 7'-6" 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.

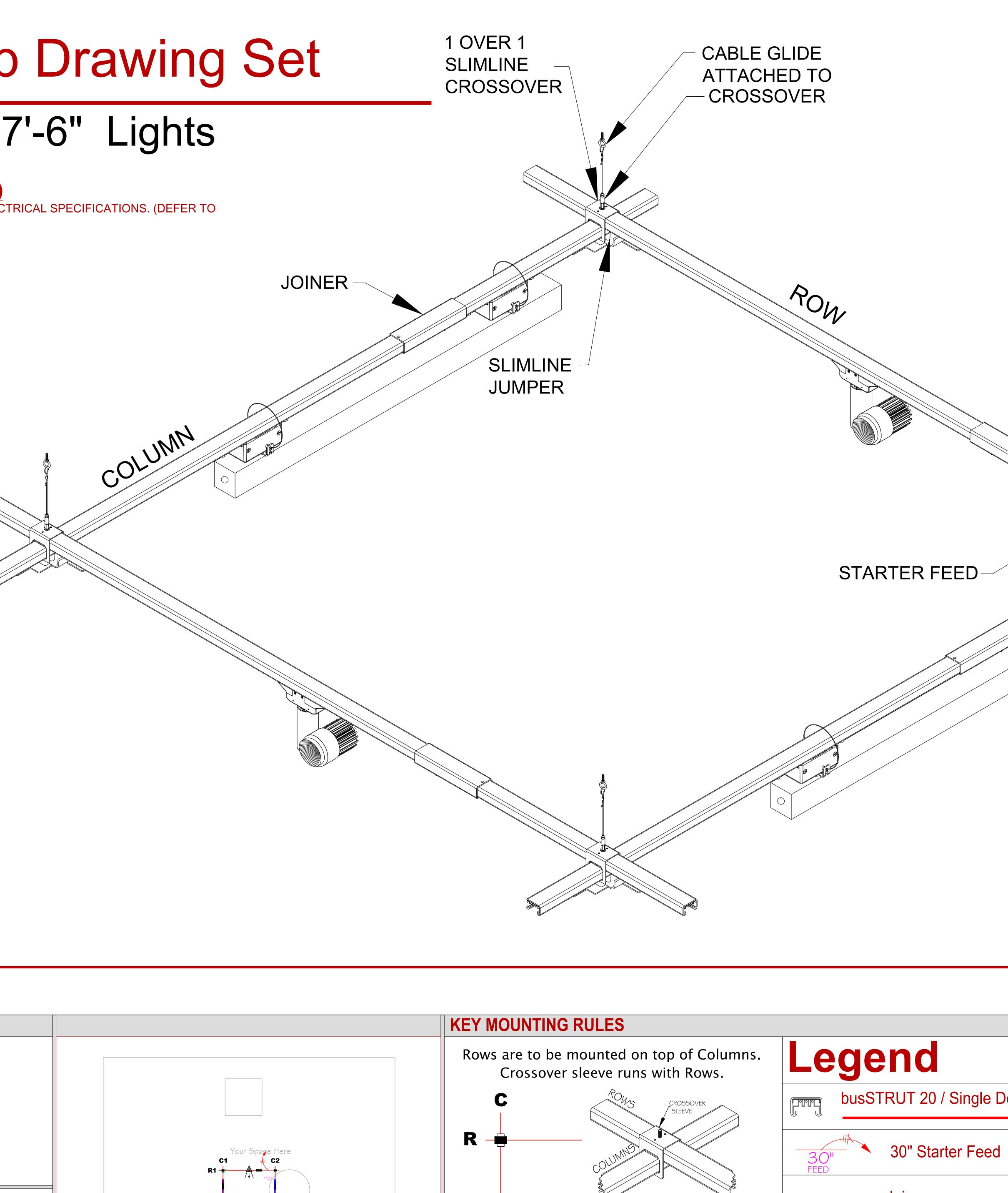
### **CONNECTION TO**

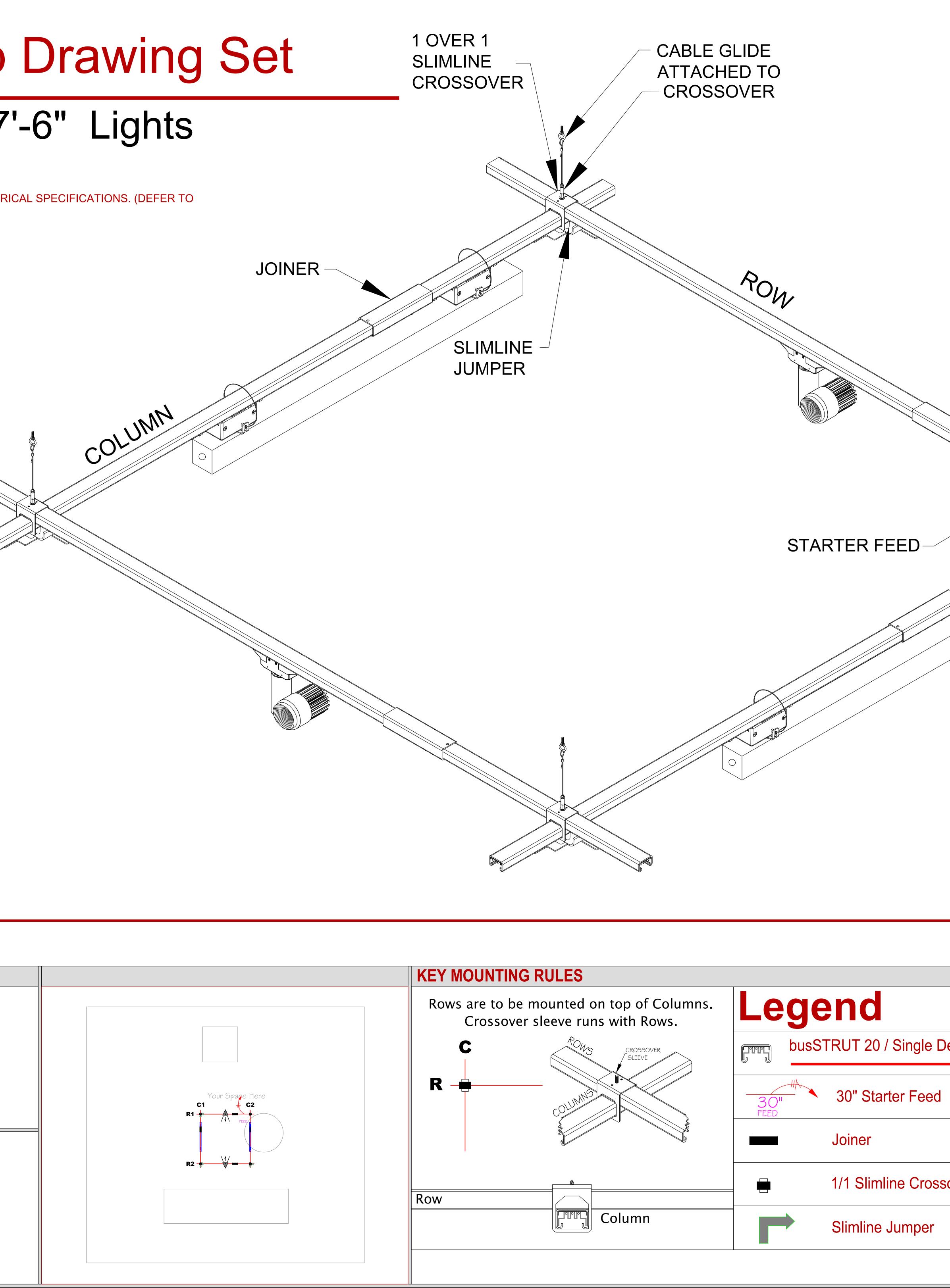
STRUCTURE ATTACHMENT FROM busSTRUT SYSTEM TO STRUCTURE MUST BE ENGINEERED AND INSTALLED TO

SUSPENDED WEIGHT.

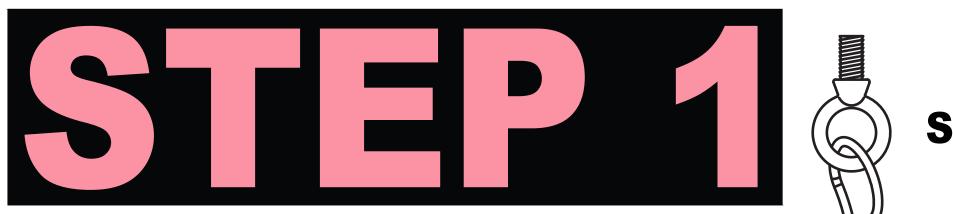
PROPERLY SUPPORT THE ENTIRE

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E-b01 E-b02	Typical Installation Instructions
<b>E-b1</b> <b>E-b2</b>	Lighting Plan, BOM, & Labor Hours Assembly Plan

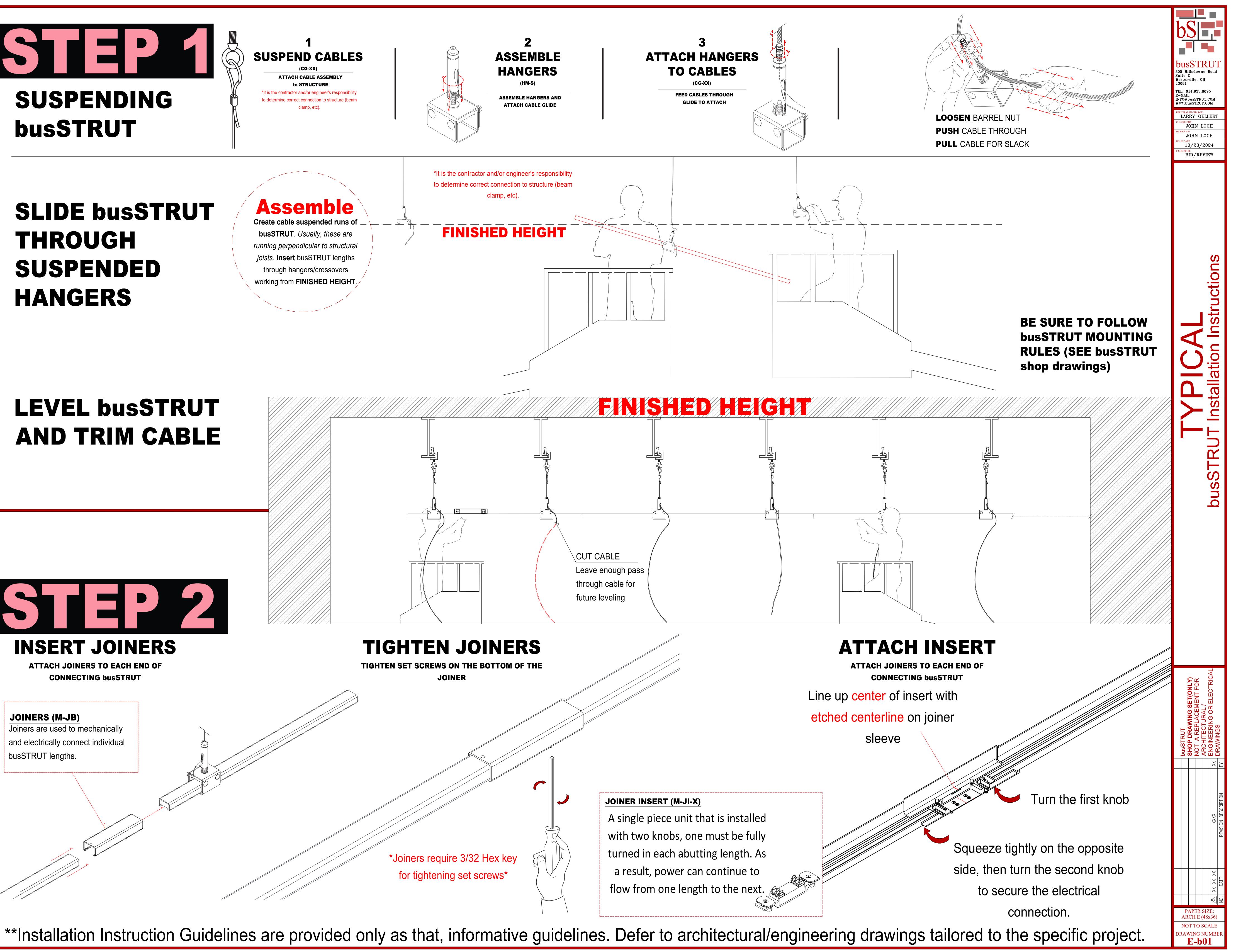




		bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
Rows	COLUMS	
Deck		Image: biseline interval   Image: biselinterval   Image: biselin



SUSPENDING busSTRUT



## **SLIDE busSTRUT** THROUGH SUSPENDED HANGERS

## **LEVEL busSTRUT AND TRIM CABLE**



### **INSERT JOINERS**

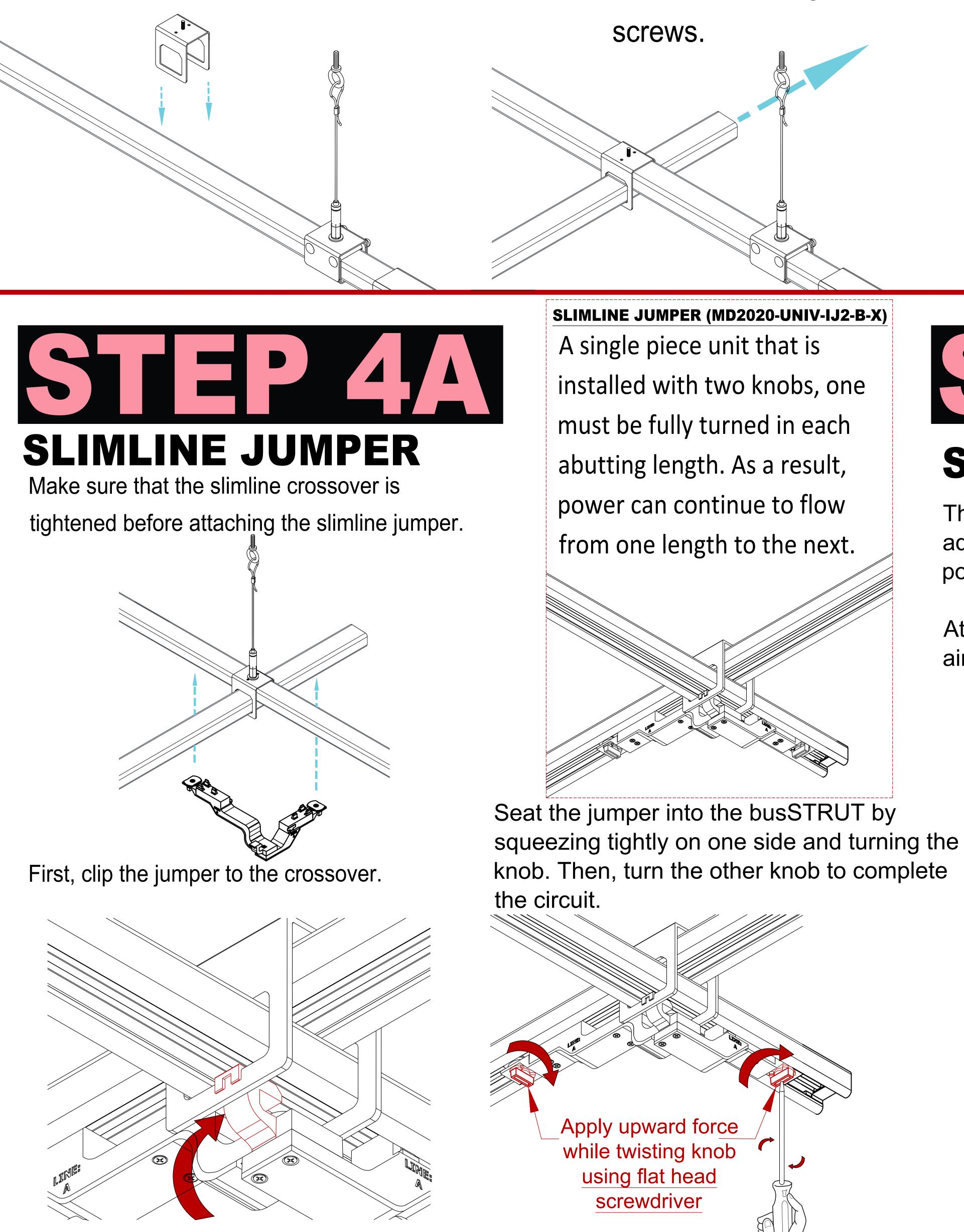
ATTACH JOINERS TO EACH END OF **CONNECTING busSTRUT** 

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.

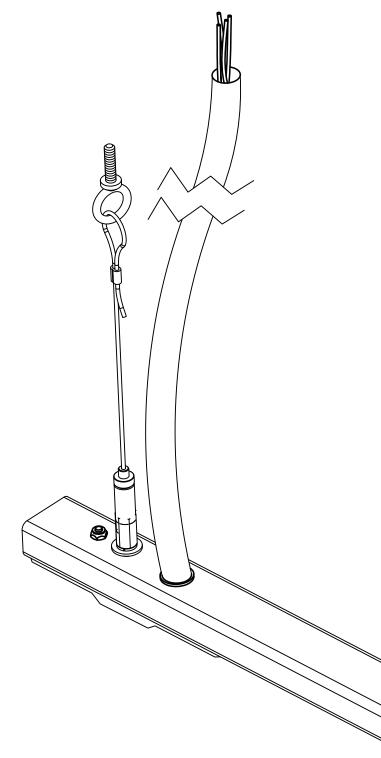
Slide perpendicular runs of busSTRUT through the crossover and tighten the set

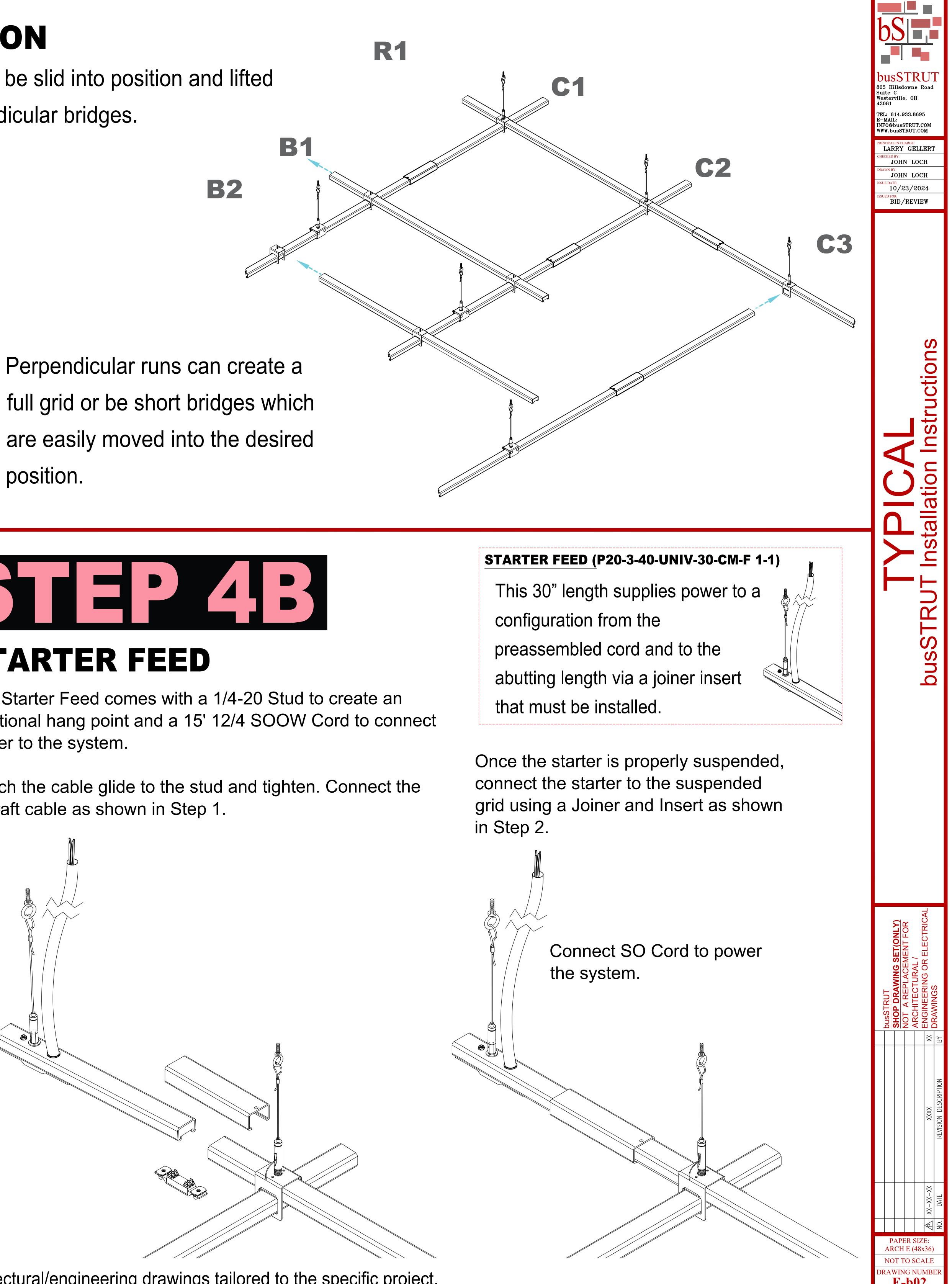
position.

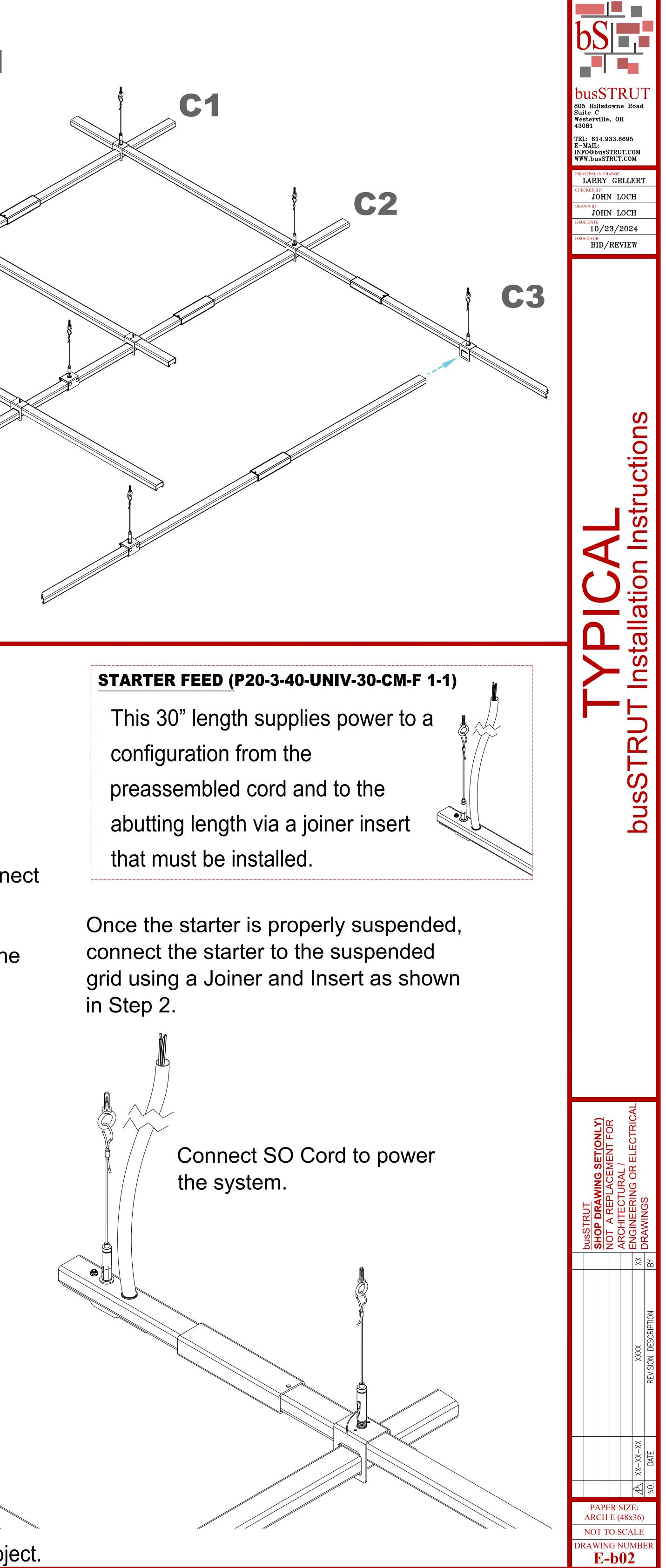


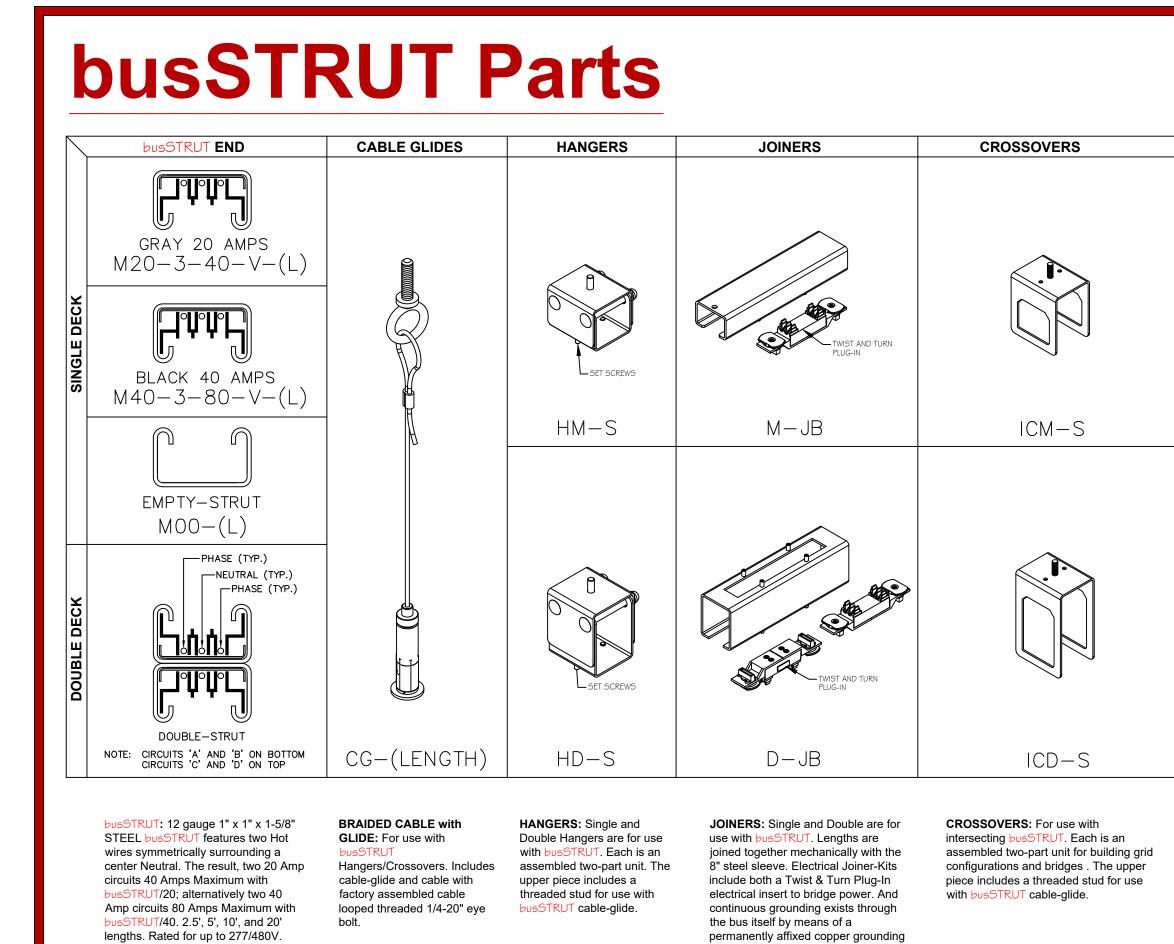
The Starter Feed comes with a 1/4-20 Stud to create an additional hang point and a 15' 12/4 SOOW Cord to connect power to the system.

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

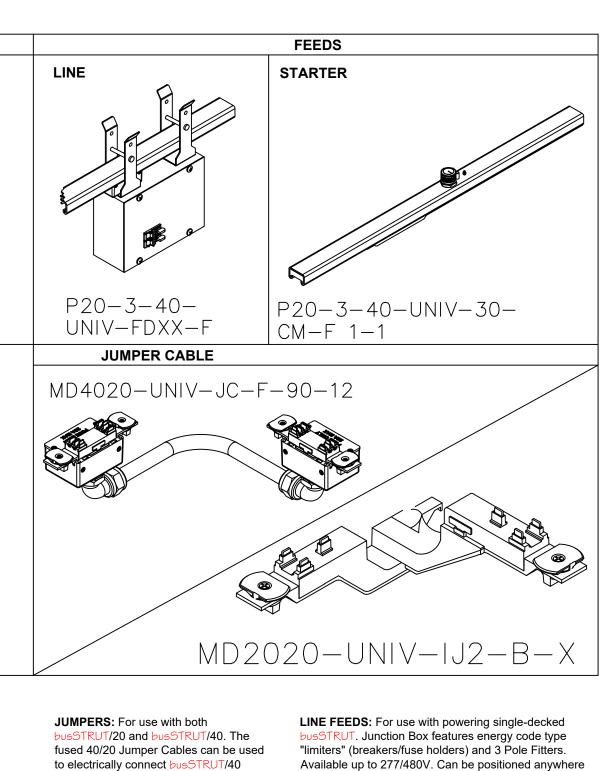
for trunking.

									busST	RUT <b>B</b> i	ll of Ma	aterial	S	-							
Small Grid LT								Finish TBD: Galvanized, White, or Black									Drawn By Checked By Date		John Loch John Loch 10/23/2024		
					1				Gui		-				nuck						
	busSTRUT LI							>	101	ners	usSTRUT	Hardwa Hangers		Xover	Jcord	busSTR	<b></b>	ine		GEN	АСТ
									Ш	R INSERT	NON-ELECTRIC JOINER INSERT				JUMP CORD			STARTER FEED CENTER MOUNT	Breakered	GEN	
			ŋ	-2B			~	-2B	SINGLE	JOINER	JOINEF	SINGLE			-JC <mark>F</mark> -90-12-GO2	×	<mark>н</mark> В	M-F 1-1		T-WD-F	-30-F-(OC)
				M20-3-40-277-2.5- <mark>F</mark> -;	M20-3-40-277-3- <mark>F</mark> -2B	M20-3-40-277-5- <mark>F</mark> -2B	M20-3-40-277-7- <mark>F</mark> -2B	M20-3-40-277-10- <mark>F</mark> -2	M-JB- <mark>F</mark> -X	X1M	M-JI- <mark>F</mark> -NE	HM-S-F-ST-LFX	CG-E-15-B-GL	ICM-S-F-ST-X	MD4020-UNIV-JCF-9	MD2020-UNIV-IJ2-F-X	P20-3-40-UNIV-JK-NB- <mark>F</mark>	P20-3-40-UNIV-30-CM-F	P40-3-60-UNIV-FD-F	BRL-4-40L-30K80-S	BR-LUCY-U-309-30-
R/C	Amps	LF	BF	2.5	3	5	7	10	М	INS	<b>NE-INS</b>	М	C-GI	1/1	12"	INVS	ЈК	<b>30ST</b>	40	GEN	ΑСΤ
Rows																					
RI R2	20 20	7.5 7.5	7.5 7.5			1			1	1			2 2			1		1			1
SUB T		7.5 15	/.5 15			2			2	2			4			1		1			2
R/C	Amps	LF	BF	2.5	3	5	7	10	M		<b>NE-INS</b>	М	C-GI	1/1	12"	INVS	JK	30ST	40	GEN	ACT
Columns																					
СТ	20	7.5	7.5	1		1			1	1						1				1	
C2	20	7.5	7.5	1		1			1	1						1				1	
SUB T	OTAL	15	15	2		2			2	2						2				2	
CTOPE	TOTAL	30.0	30.0	3		4			4	4			4	4		3		1		2	2
SIURE																					

### Labor Hours

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

		<b>1</b> 0
	ITEMS	່ຽນຮ Qty.
	LENGTHS	30
Ы	JOINERS	4
SYST	HANGERS	4
busstrut SYSTEM	CROSSOVERS	4
SSTR	ATTACHMENTS	
pro	JUMPERS	3
	FEEDS	1
FIXTURES	ACCENT	2
FIX	LINEARS	2
		bus



a run.

Trunks to busSTRUT/20 Branches and/or electrically connecting busSTRUT/20 to

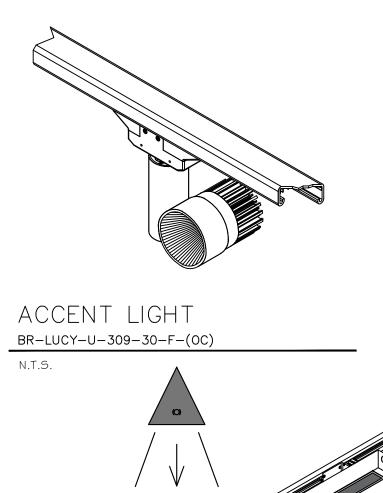
busSTRUT/20.

along busSTRUT to reduce the lengths of homeruns.

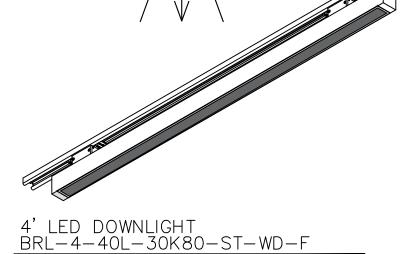
STARTER FEEDS: For use with powering single-decked

on the busSTRUT. Must be positioned at the beginning of

busSTRUT. Utilized when no current limiting is required



Lights

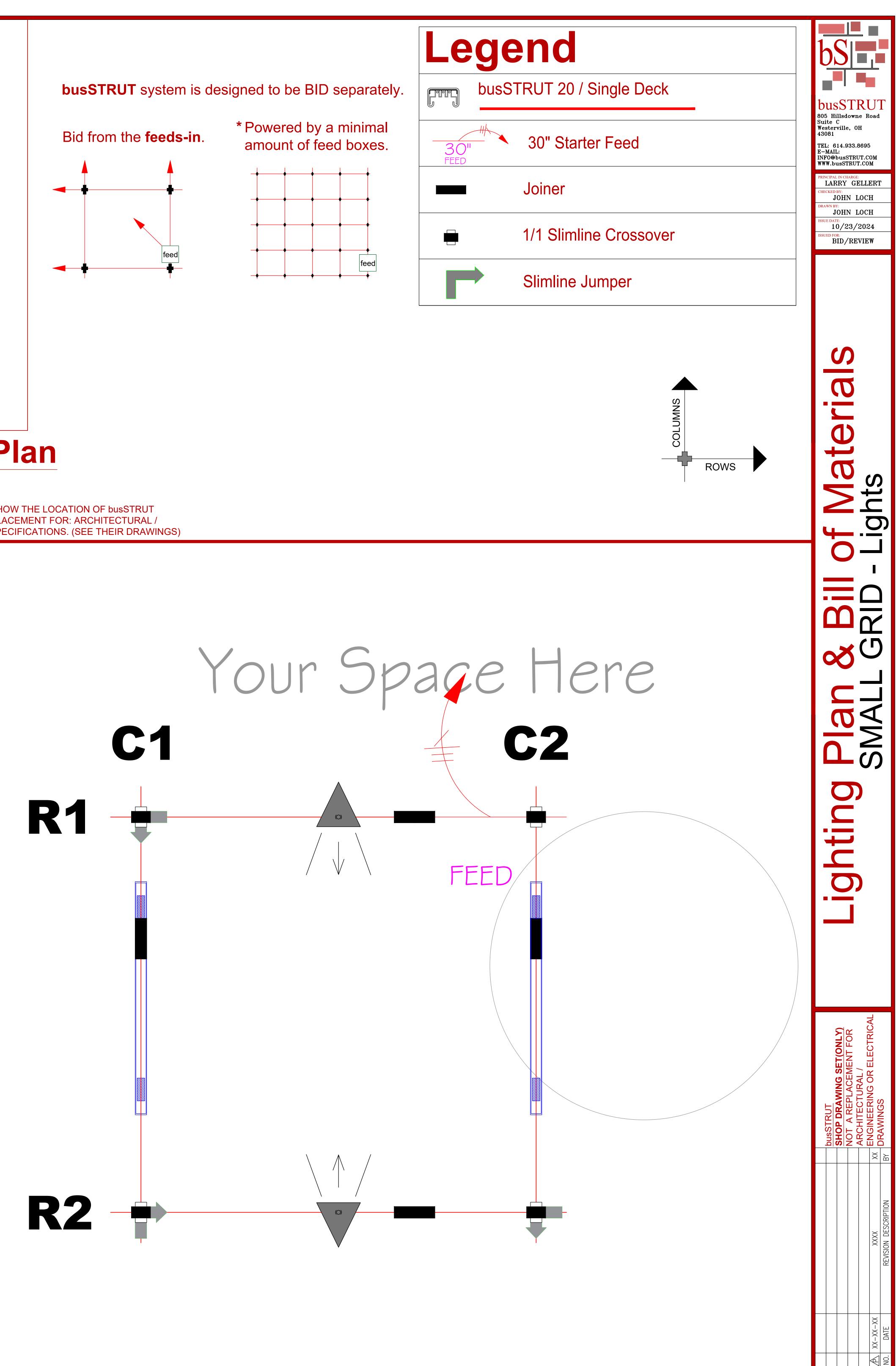


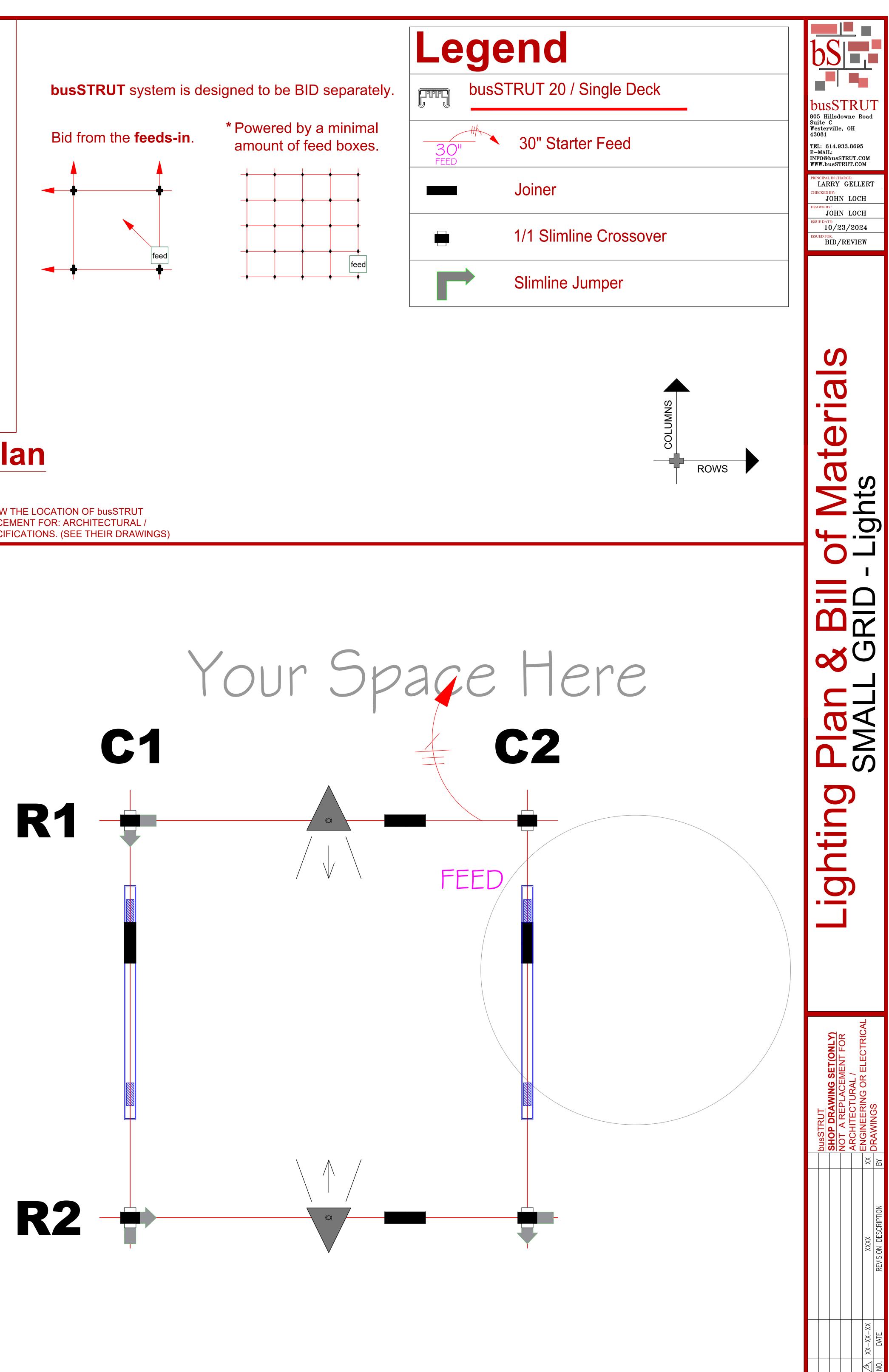
### **Lighting Plan**

### **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)

sST	RUT	LABC	R		
U/M		TOTAL HRS			
LF	x	2.75	0.05	=	1
EA	x	12	0.20	=	1
EA	×	25	0.42	=	2
EA	x	10	0.17	=	1
EA	x	8	0.13	=	0
EA	×	6	0.10	=	0
EA	x	15	0.25	=	0
	I	OUSSTRUT	SUB-TOTAL	=	5
EA	X	8	0.13	=	0
EA	х	20	0.33	=	1
SSTRU	TREAD	Y LIGHTS	SUB-TOTAL	=	1
			TOTAL TIME	=	6



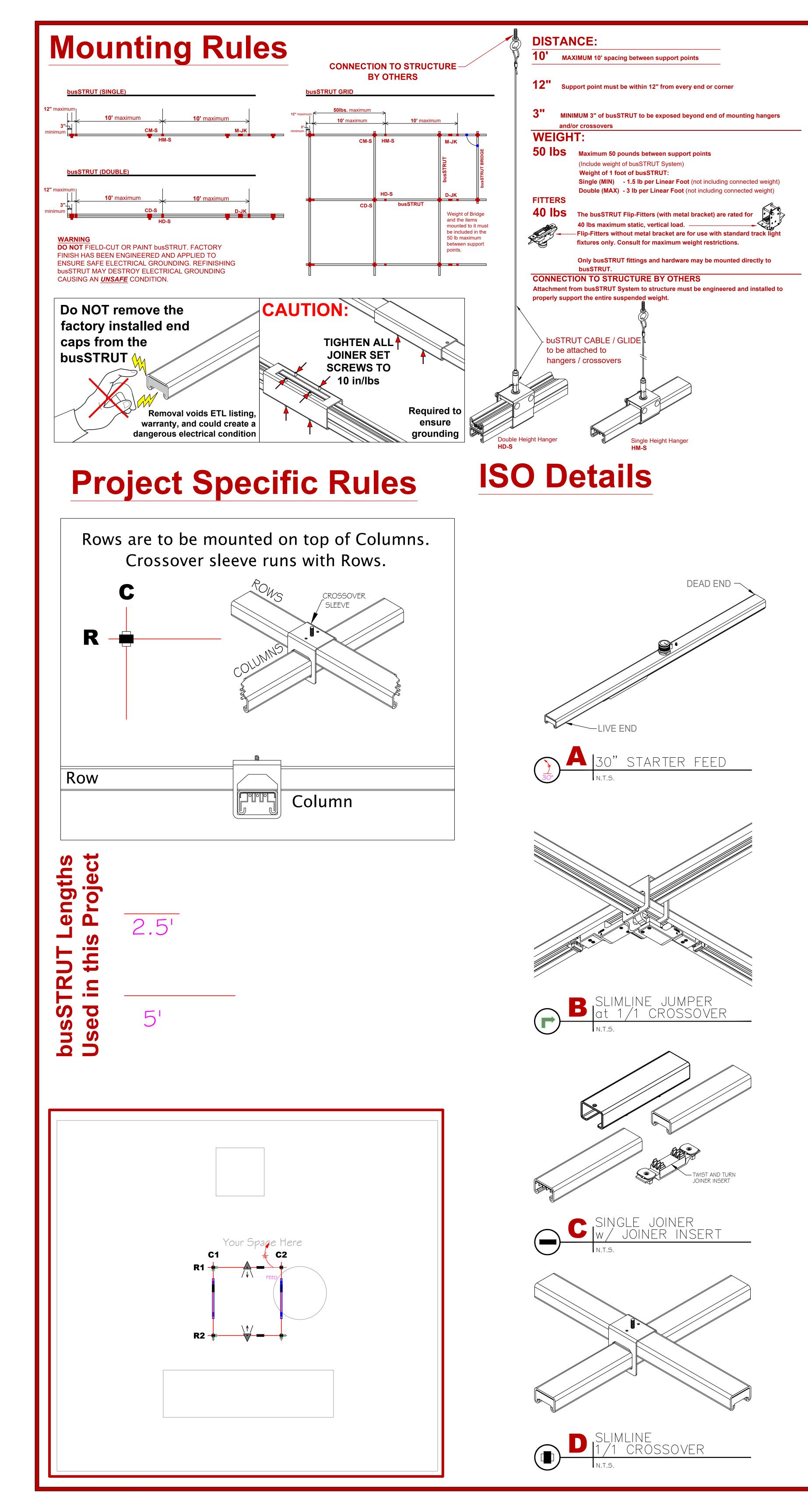


PAPER SIZE: ARCH E (48x36)

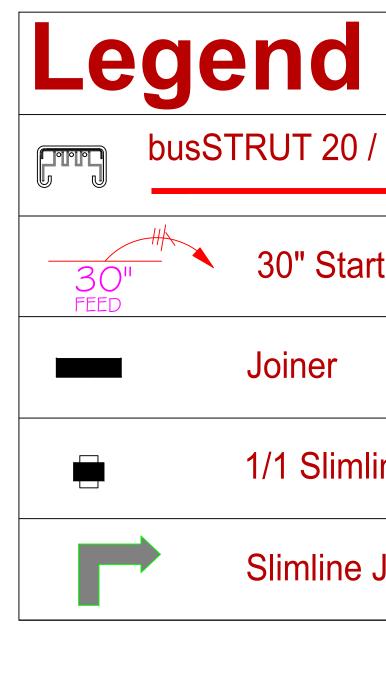
SCALE  $1\frac{1}{2}$  " = 1'-0"

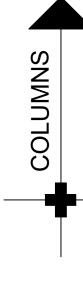
RAWING NUMBEI

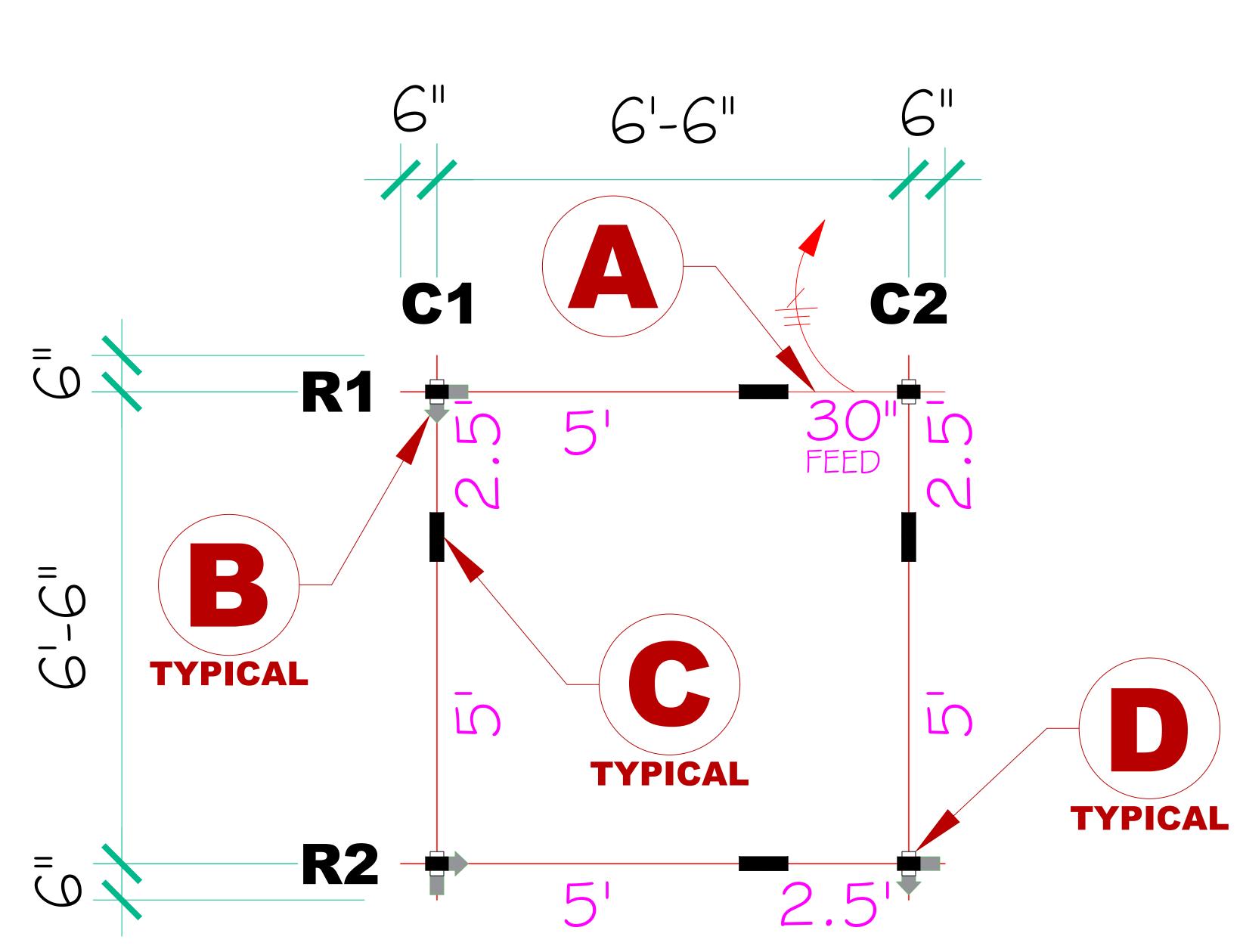
E-b1



## Dimensions







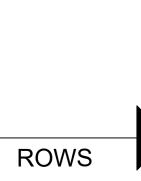
busSTRUT 20 / Single Deck

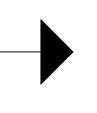
30" Starter Feed

Joiner

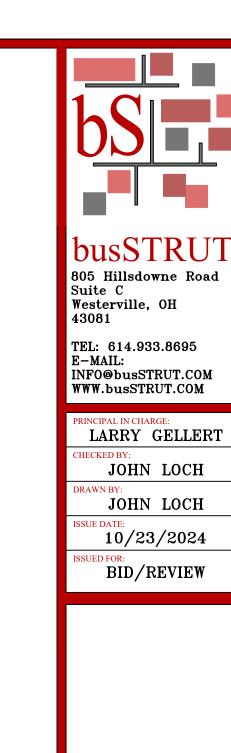
1/1 Slimline Crossover

Slimline Jumper











	bussIRUI	SHOP DRAWING SET(ONLY)	NOI A REPLACEMENT FOR							
					XX	BΥ				
					XXXX	REVISION DESCRIPTION				
					ХХ-ХХ-ХХ	DATE				
					$\forall$	NO.				
	AR	CH	ER S E E (	48x	:36)					
			E 1" IG 1		-					
DRAWING NUMBER <b>E-b2</b>										