busSTRUT Shop Drawing Set

Express Rectangle (Large) - 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.

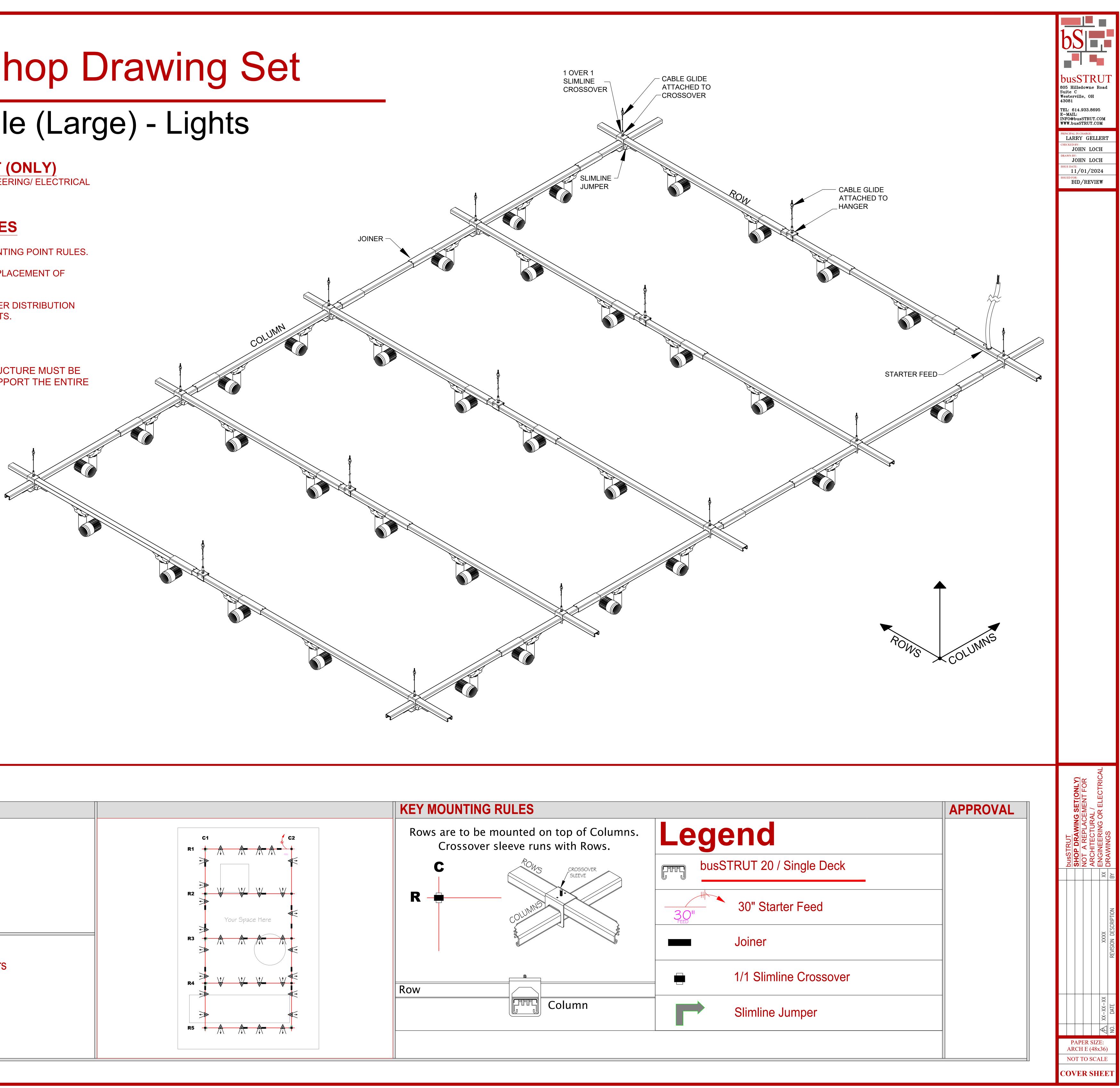
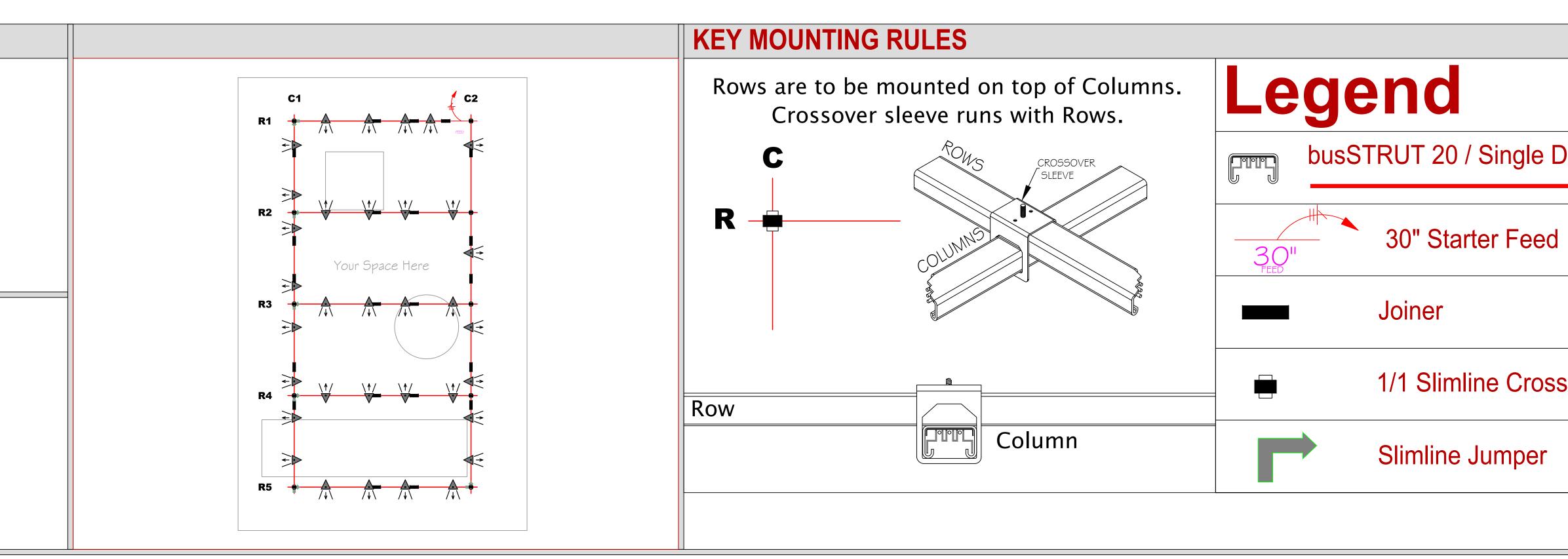
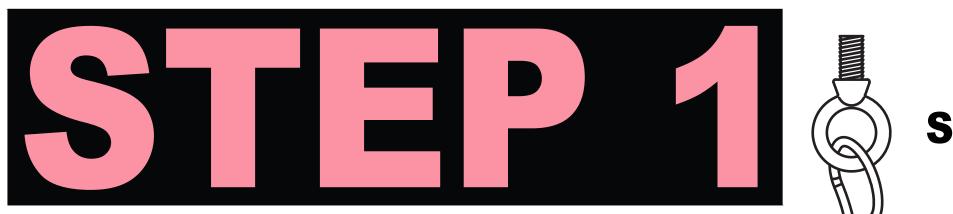
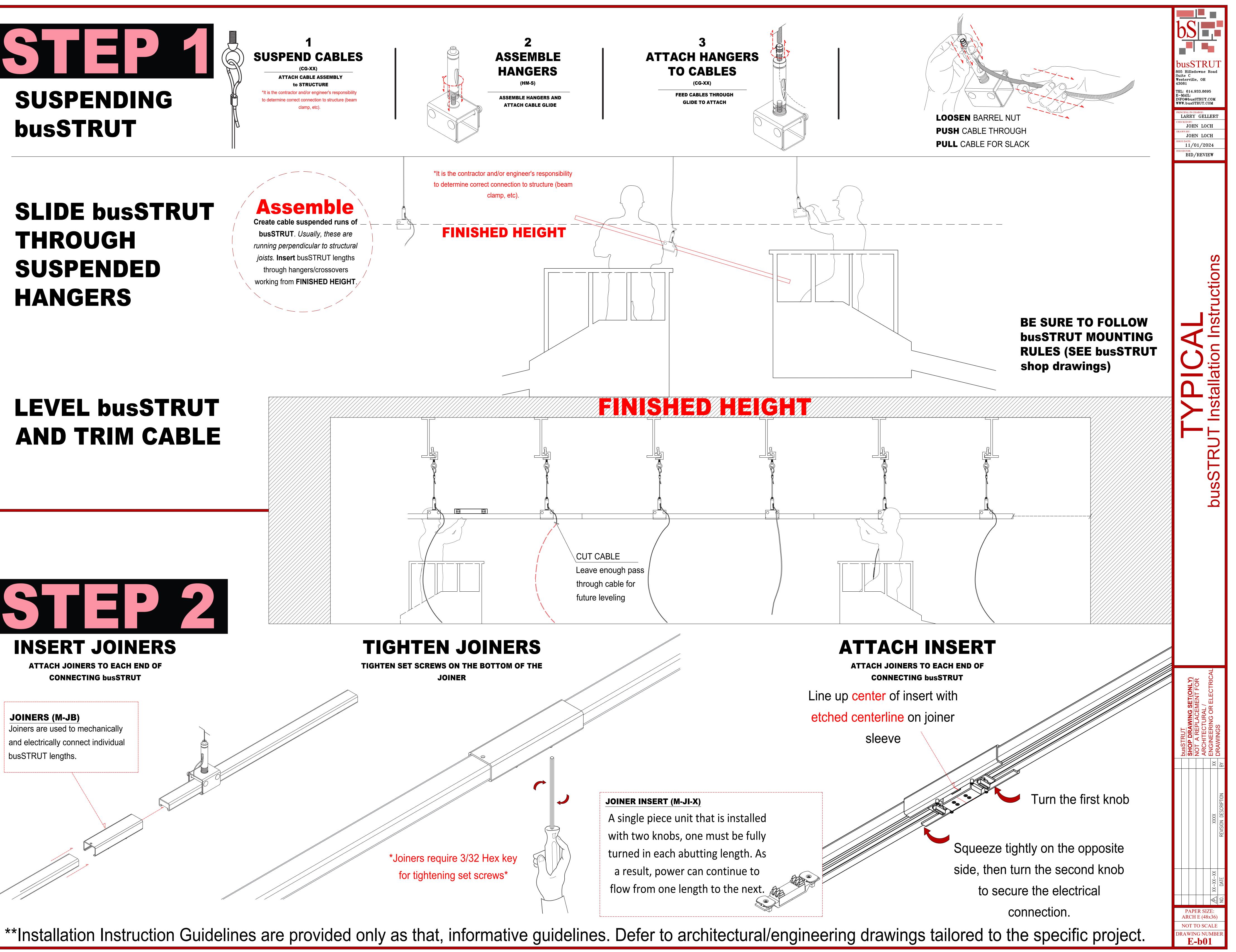


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SUSPENDING busSTRUT



SLIDE busSTRUT THROUGH SUSPENDED HANGERS

LEVEL busSTRUT AND TRIM CABLE



INSERT JOINERS

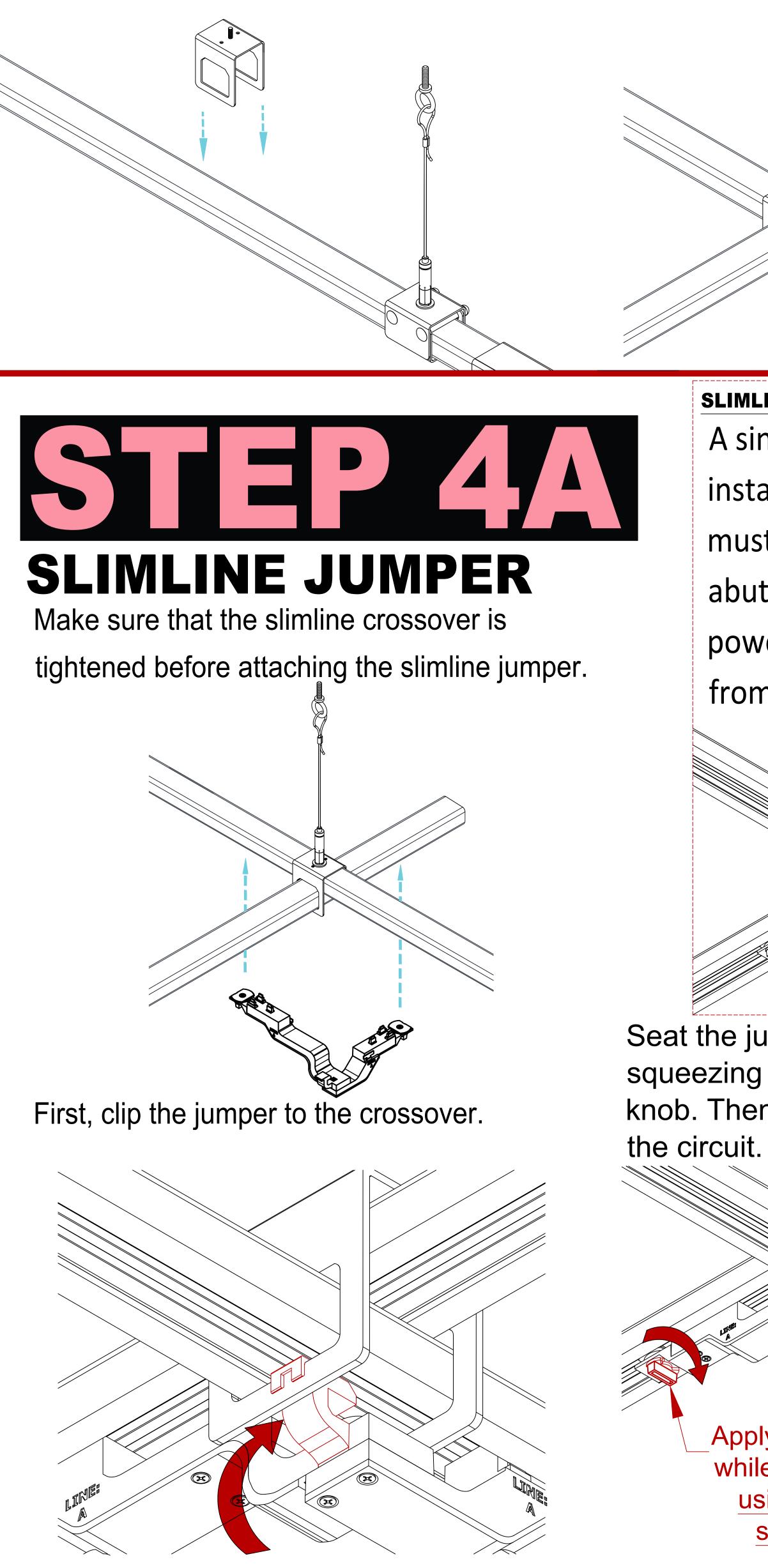
ATTACH JOINERS TO EACH END OF **CONNECTING busSTRUT**

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.



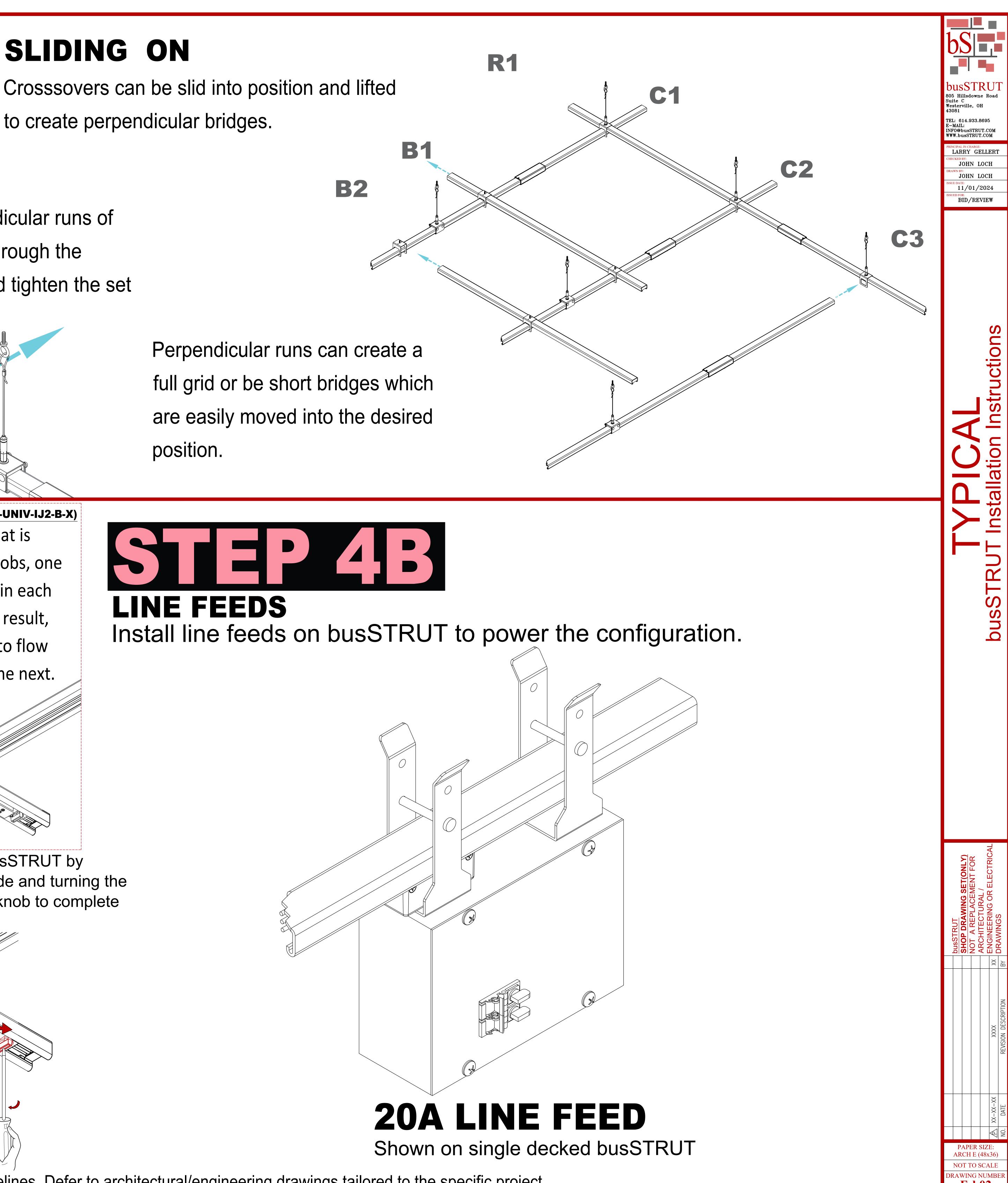
**Installation Instruction Guidelines are provided only as that, informative guidelines. Defer to architectural/engineering drawings tailored to the specific project.

SLIDING ON

to create perpendicular bridges.

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

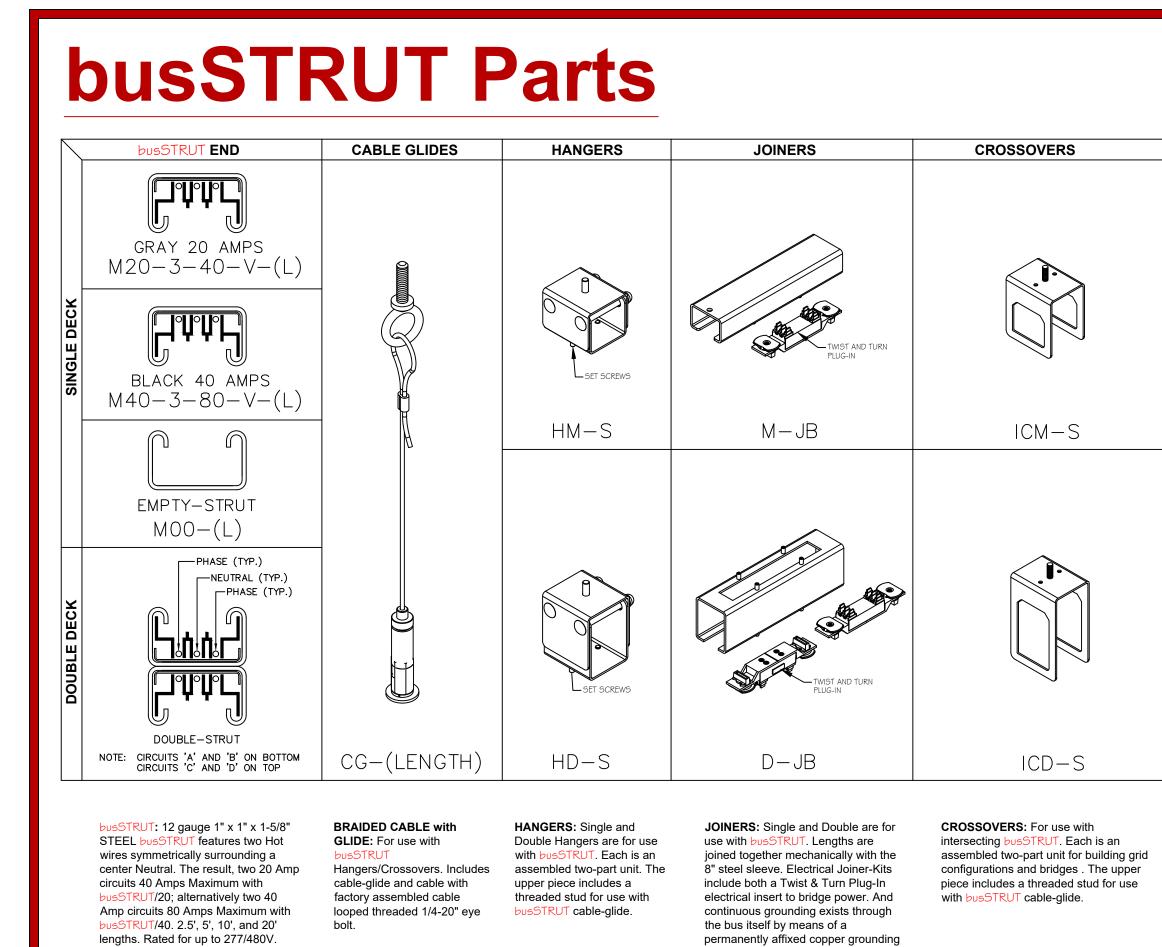
SLIMLINE JUMPER (MD2020-UNIV-IJ2-B-X) A single piece unit that is installed with two knobs, one must be fully turned in each abutting length. As a result, power can continue to flow from one length to the next.



Seat the jumper into the busSTRUT by squeezing tightly on one side and turning the knob. Then, turn the other knob to complete

> Apply upward force while twisting knob using flat head screwdriver

E-b02



Bill of Materials

Double decks with standard hardware

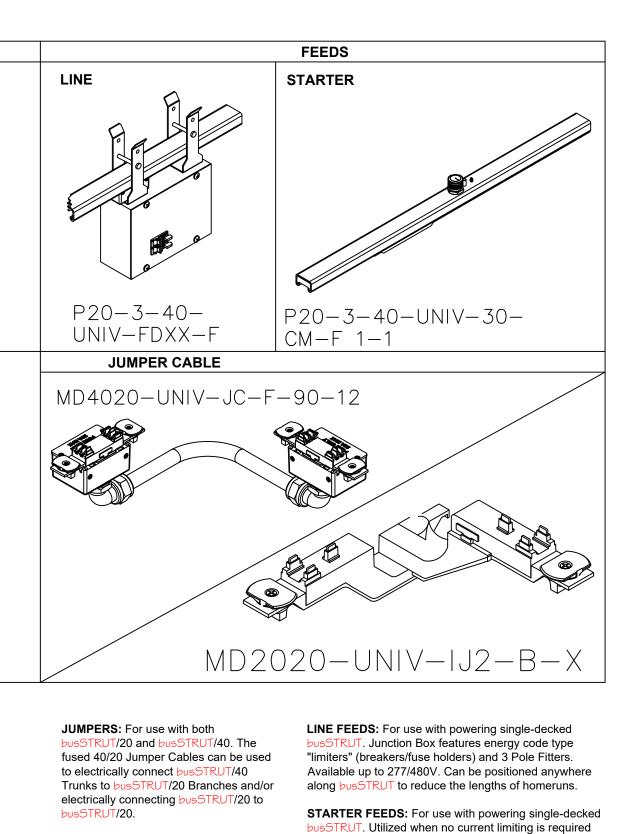
for trunking.

ROWS La								Ł	PUSSTR	RUT Bill	of Mat	terial	S								
ROWS Large LT						Finish TBD:								Checked By John		Loch Loch					
									Galv	/aniz	ed,	Wh	ite,	or B	lack			Date		10/4	/2024
				bus	STRU	T LENG	THS				, RUT Hard		-			busSTR	UT PO	WER			
					busST	RUT 20		Join	ers		Hang	ers	C-GI	Xover	Jcord		Li	ine		GEN	ACT
				2B				SINGLE	JOINER INSERT	NON-ELECTRIC JOINER INSERT	SINGLE	DÉCOR BRACKET			-12-GO2 JUMP CORD	×	L L	CM-F 1-1 CENTER FEED MOUNT	C-XX-LEF POWER DROP	-MD-F	30 -F -(OC)
				M20-3-40-277-2.5- <mark>F</mark> -2	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	M-JB- <mark>F</mark> -X	M-JI- <mark>F</mark> -X	M-JI-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	MD2020-UNIV-IJ2-F-X	P20-3-40-UNIV-JK-NB-	P20-3-40-UNIV-30-CN	MD40-2-120-CB20-DC	BRL-4-40L-30K80-ST	BR-LUCY-U-309-30- <mark>F</mark>
R/C	Amps	LF	BF	2.5	3	5	7	М	INS	NE-INS	М	DB	C-GI	1/1	12"	INVS	JK	30ST	PD	GEN	ACT
Rows																					
RI	20	15	15	1	1		1	3	3		1		3	2				1			2
R2	20	15	15		1	1	1	2	2		1		3	2		1					4
R3	20	15	15		1	1	1	2	2		1		3	2		1					4
R4	20	15	15		1	1	1	2	2		1		3	2		1					4
R5	20	15	15		1	1	1	2	2		1		3	2		1					4
SUB TO		75	75		5	4	5	11	11		5	_	15	10		4		1			20
	Amps	LF	BF	2.5	3	5	7	M	INS	NE-INS	М	D	C-GI	1/1	12"	INVS	JK	30ST		WW	LUCY
R/C																					
Columns																1	1				
C I	20	30	30		3		3	5	5												6
C I C 2	20	30	30		3		3	5	5							1					6
C I	20				3 3 6		3 3 6	5	5							1 1 2					٤ (14
C I C 2	20 DTAL	30	30		3	4	3	5	5		5		15	10		1 2 6		1			14

Labor Hours

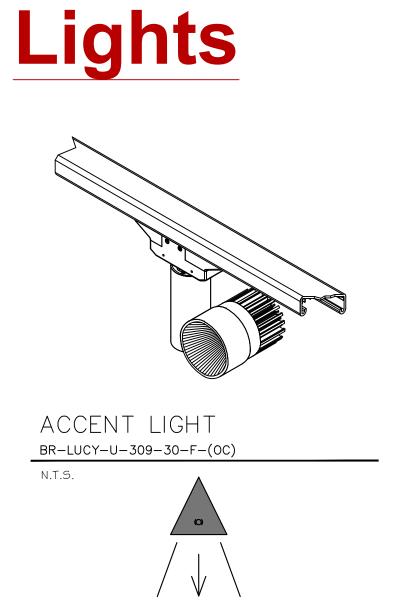
busSTRUT provides time-tested standard labor hours per part, which are then multiplied by the project's Bill of Materials.

		ы
	ITEMS	Qty.
	LENGTHS	135
	JOINERS	21
UNSSIENI SISIENI	HANGERS	15
	CROSSOVERS	10
2 1 1 1 1	ATTACHMENTS	
5 2	JUMPERS	6
	FEEDS	1
FIXIUKES	ACCENT	34
FIAI	LINEARS	
		Ьи



a run.

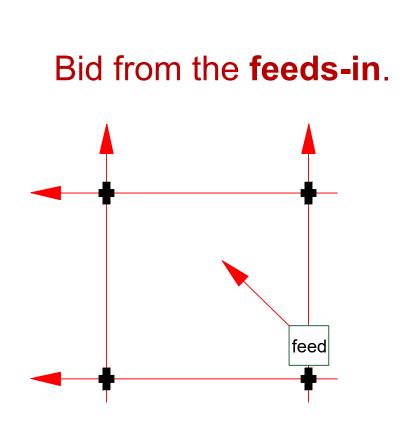
on the busSTRUT. Must be positioned at the beginning of



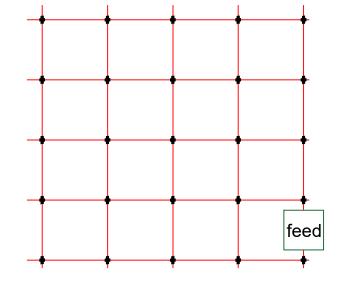
ISSTRUT LABOR

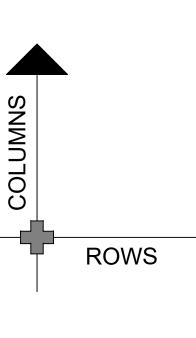
U/M			ARDIZED		TOTAL HRS
		mín	hrs 60		
LF	x	2.75	0.05	=	6
EA	х	12	0.20	=	4
EA	x	25	0.42	=	6
EA	x	10	0.17	=	2
EA	X	8	0.13	=	0
EA	X	6	0.10	=	1
EA	x	15	0.25	=	0
		busstrut	SUB-TOTAL	=	19
EA	x	8	0.13	=	5
EA	x	20	0.33	=	0
USSTRUT	REA	۹⊳γ LIGHTS	SUB-TOTAL	=	5
			TOTAL TIME	=	24

busSTRUT system is designed to be BID separately.



* Powered by a minimal amount of feed boxes.



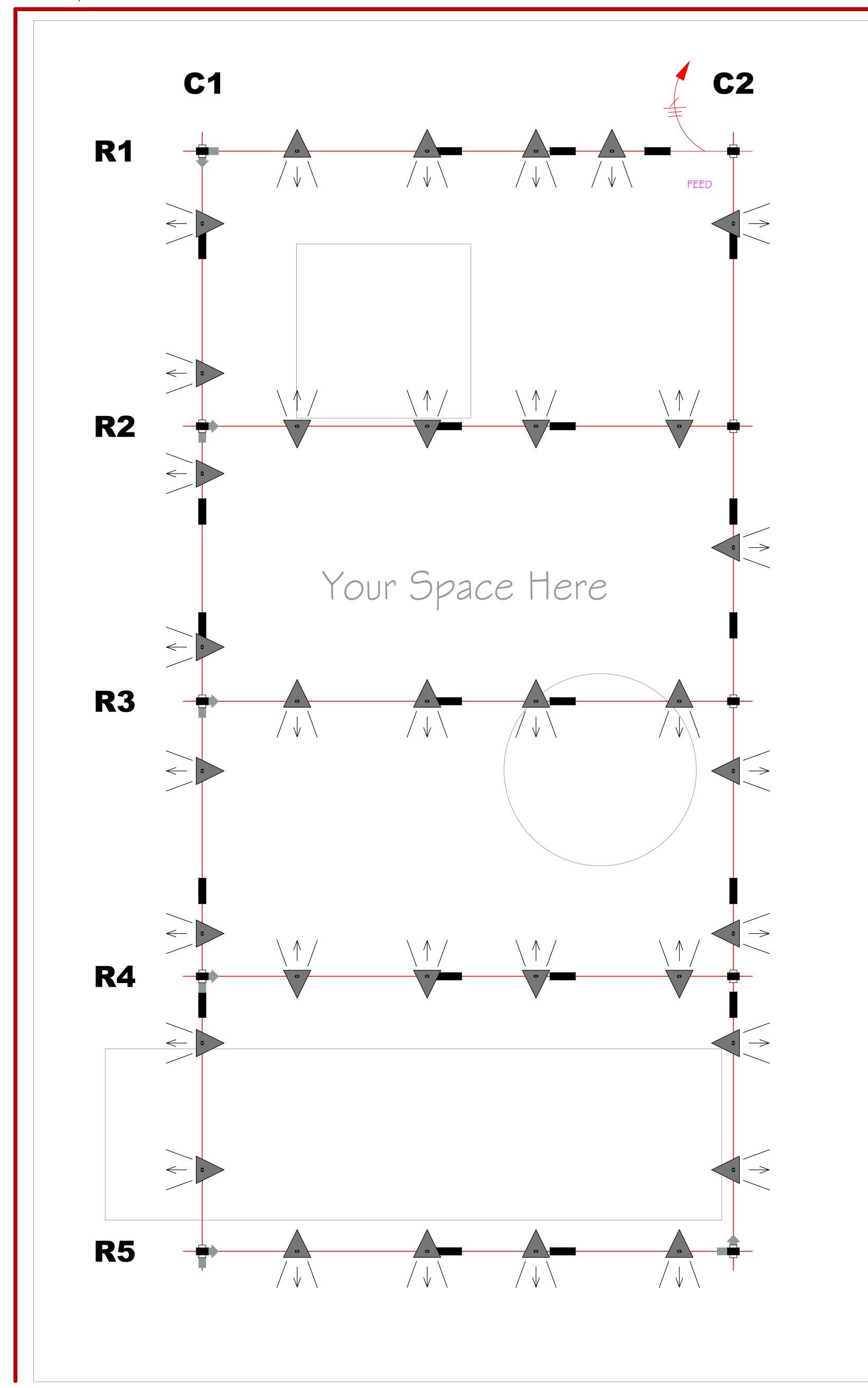


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Lighting Plan

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)





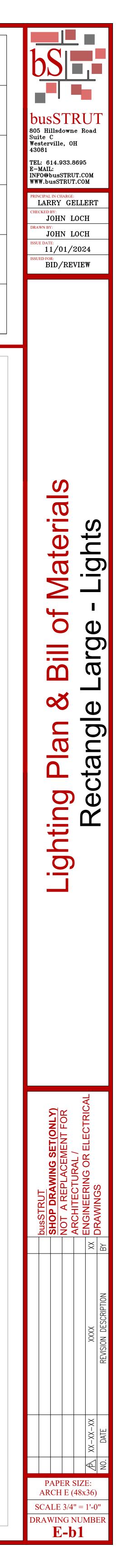
Legend

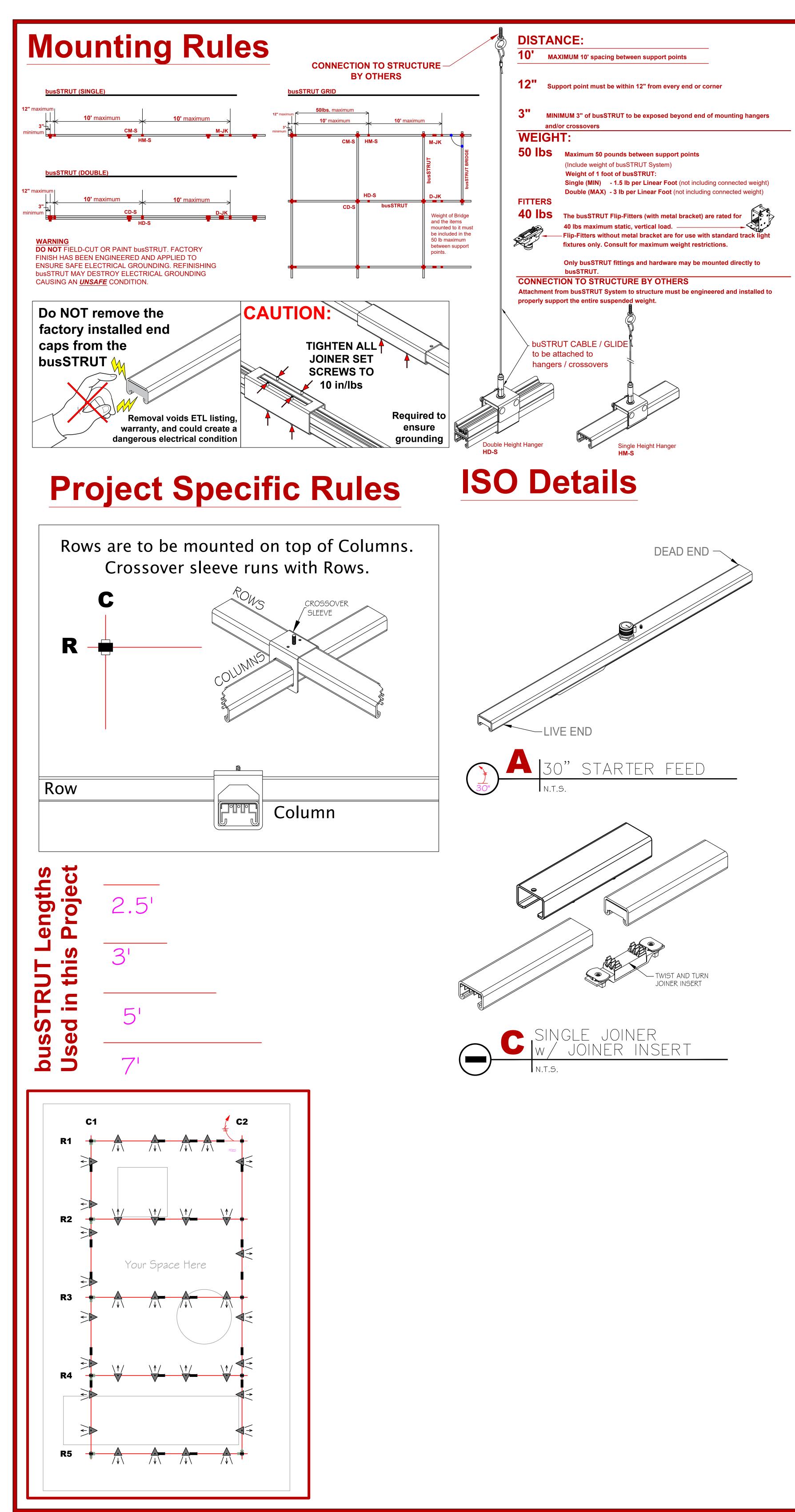
busSTRUT 20 / Single Deck

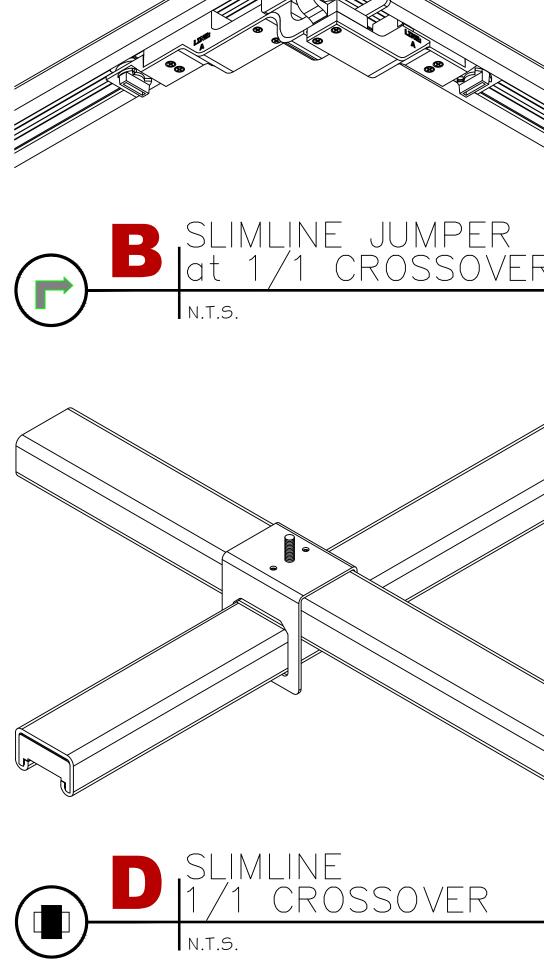
30" Starter Feed

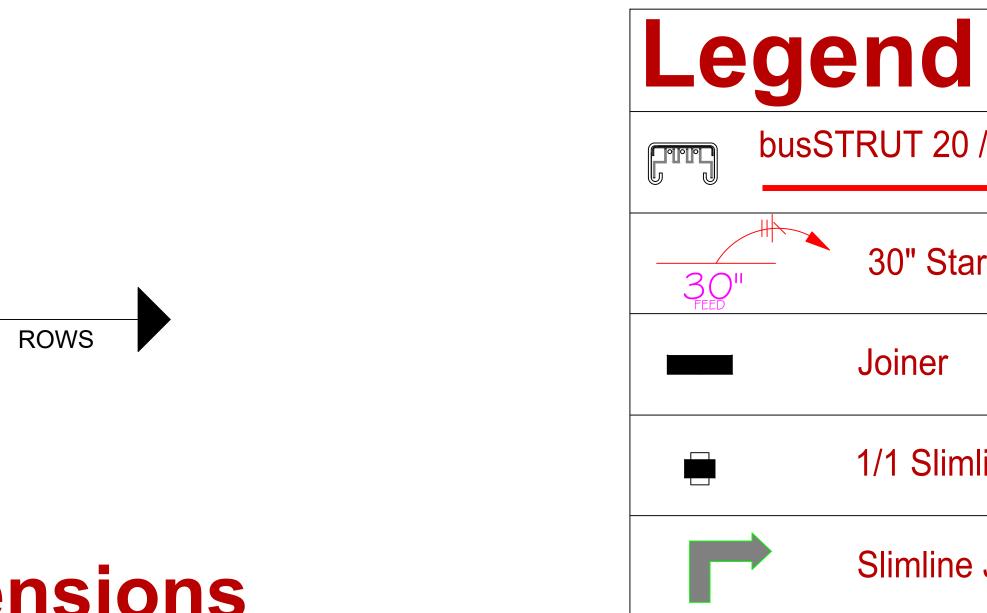
Joiner

- 1/1 Slimline Crossover
- Slimline Jumper

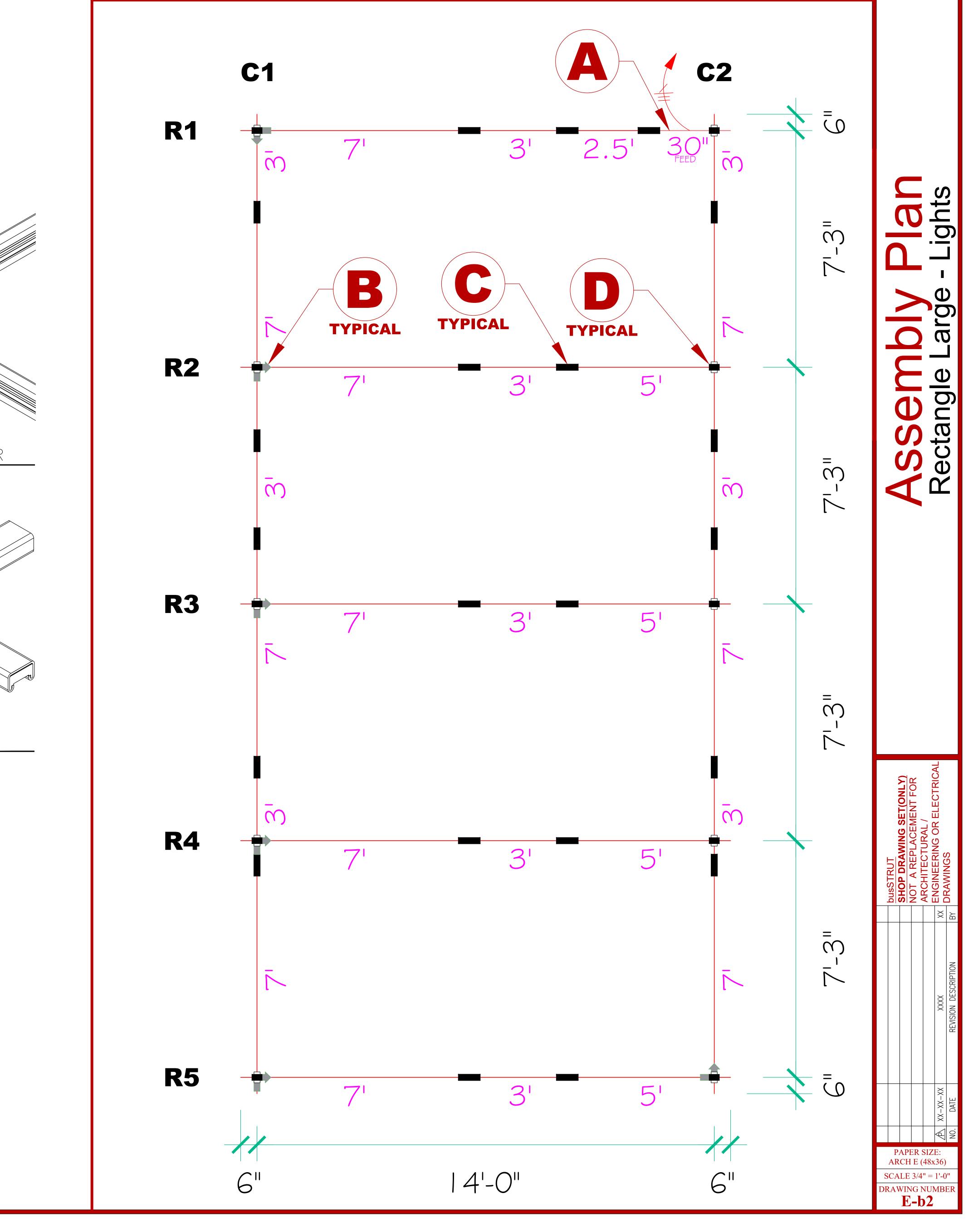








Dimensions



busSTRUT 20 / Single Deck

busSTRU7

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PRINCIPAL IN CHARGE: LARRY GELLERT

JOHN LOCH

JOHN LOCH

11/01/2024

BID/REVIEW

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ENT FOR

30" Starter Feed

Joiner

1/1 Slimline Crossover

Slimline Jumper