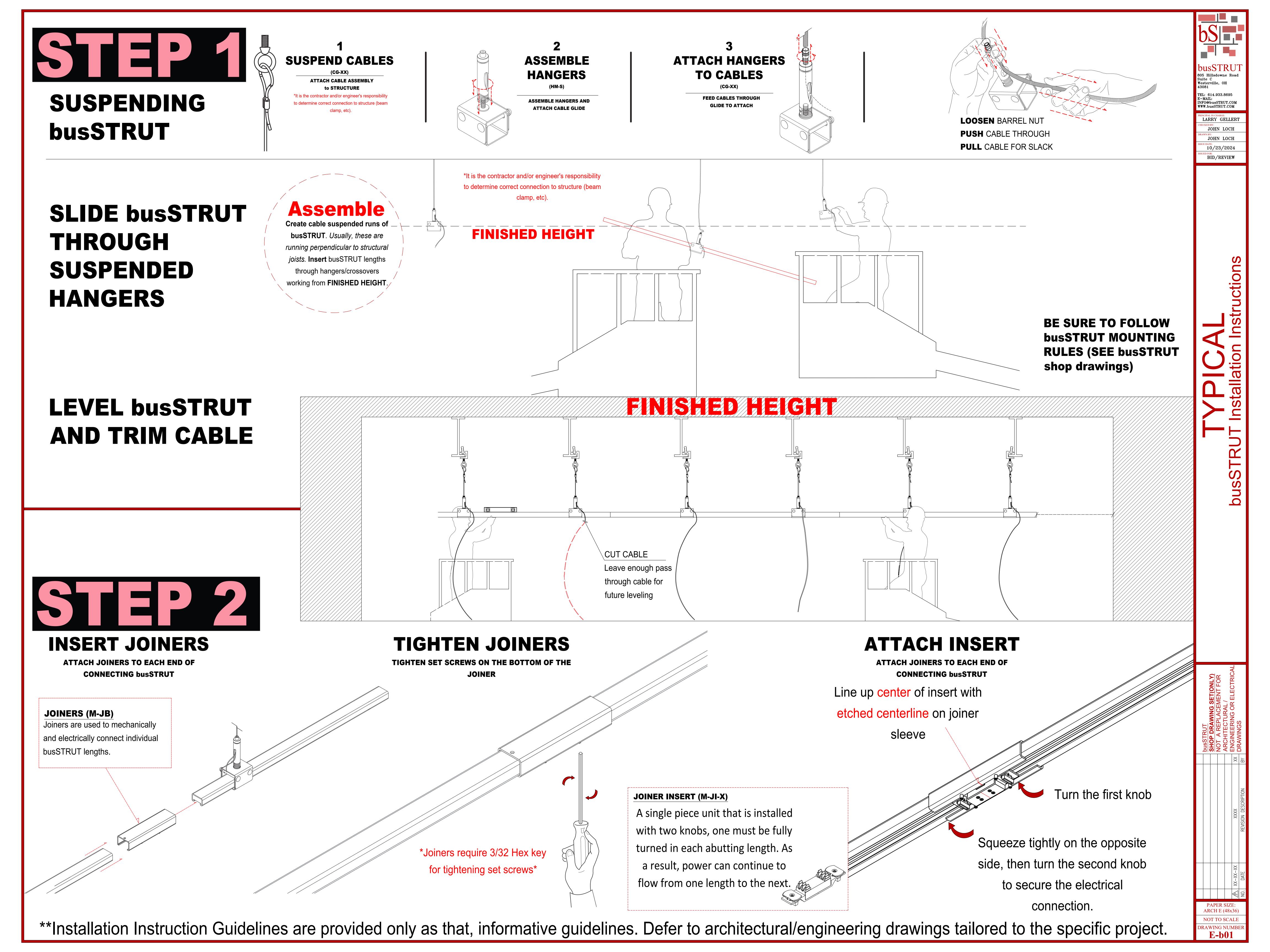


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					X	BY					
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					XX-XX-XX	DATE					
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PAPER SIZE: ARCH E (48x36)											
NOT TO SCALE											
OVER SHEET											



# STEPS INSTALLING CROSSOVERS DROPPING ON

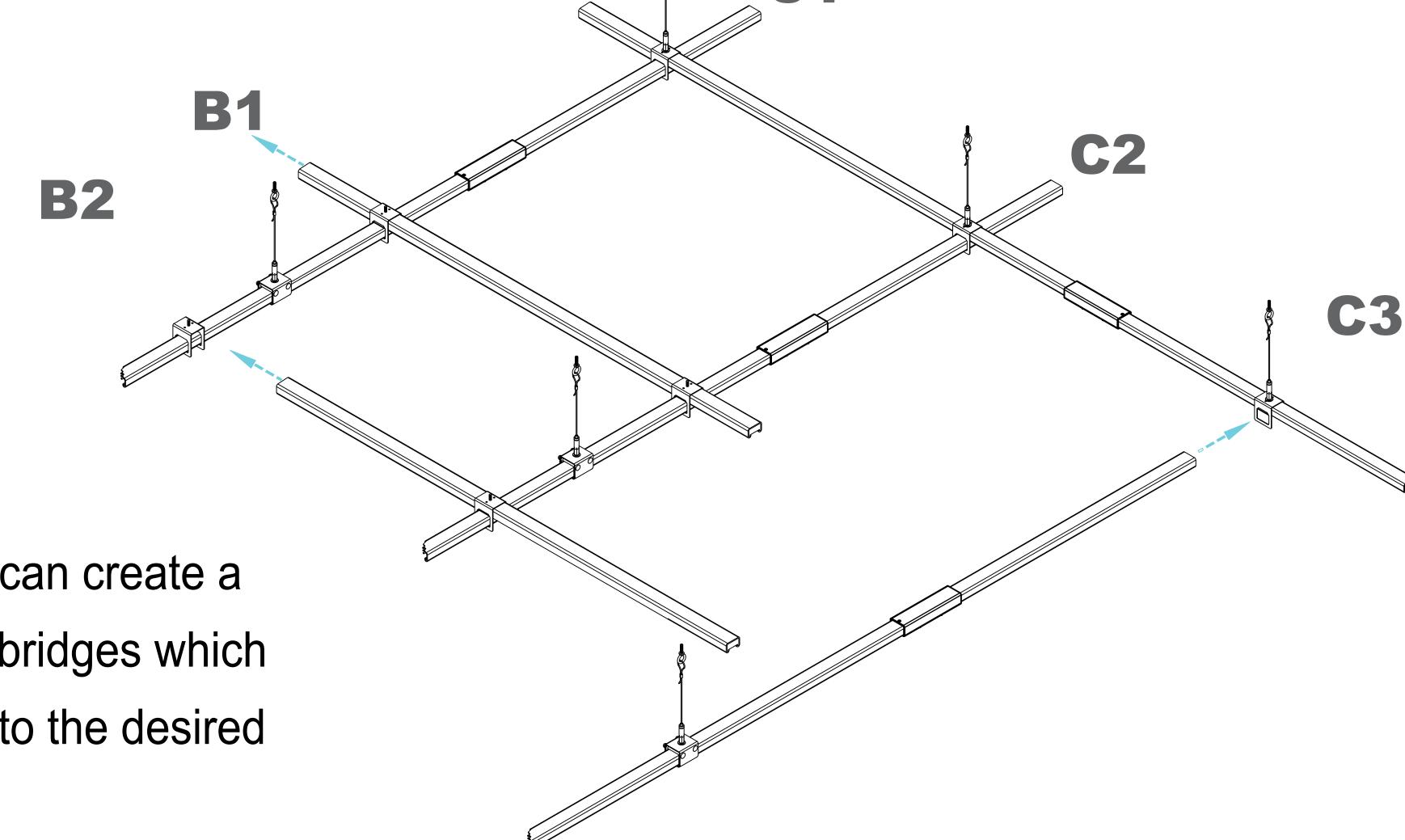
Crosssovers can be dropped onto suspended busSTRUT to create an intersection with a perpendicular run of busSTRUT.

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

SLIDING ON

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

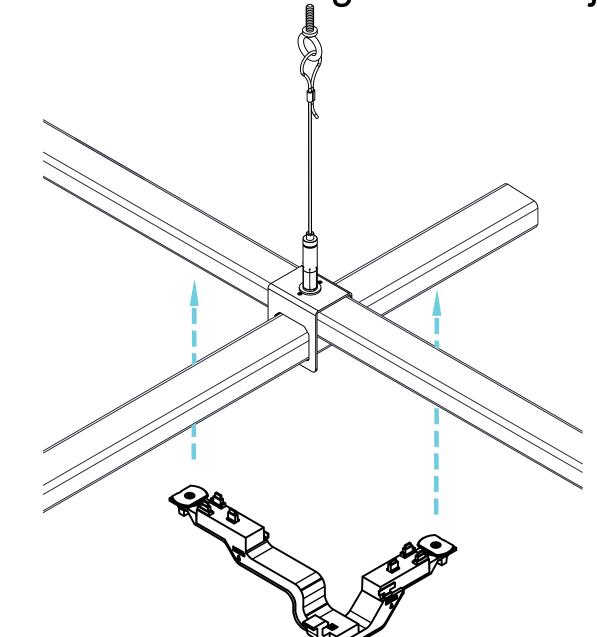
Perpendicular runs can create a full grid or be short bridges which are easily moved into the desired position.



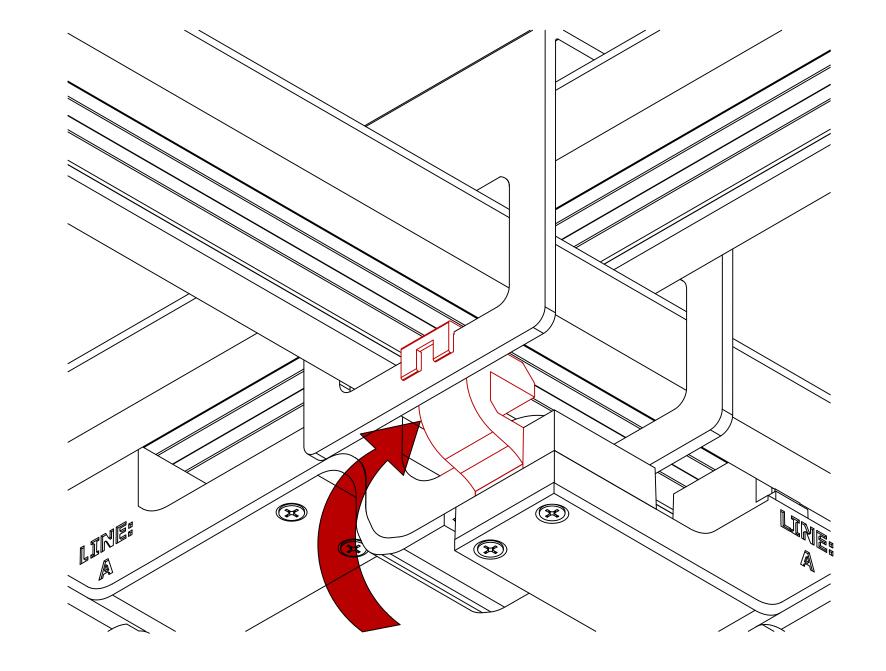
## STEP 4A

### SLIMLINE JUMPER

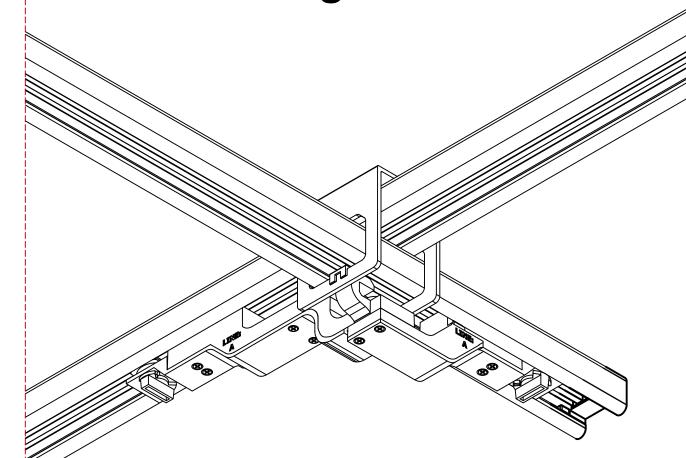
Make sure that the slimline crossover is tightened before attaching the slimline jumper.



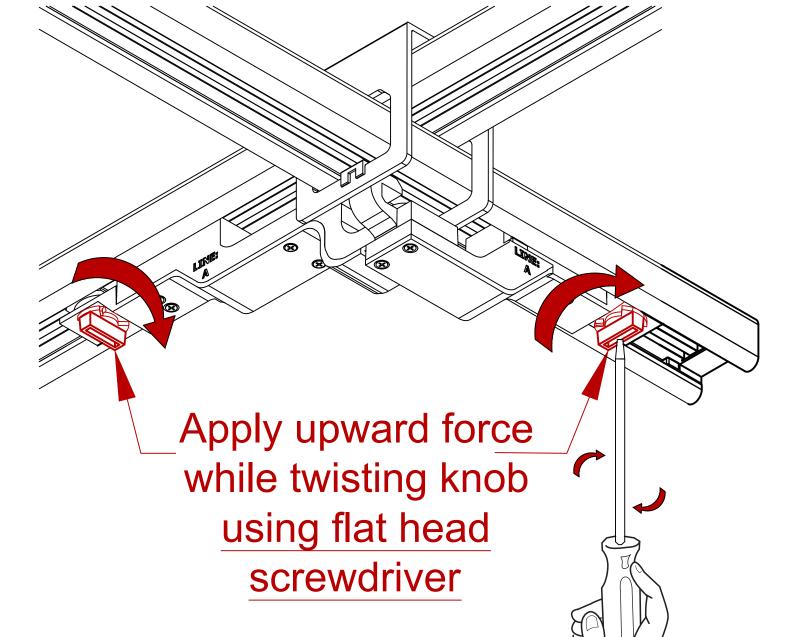
First, clip the jumper to the crossover.



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 the circuit.

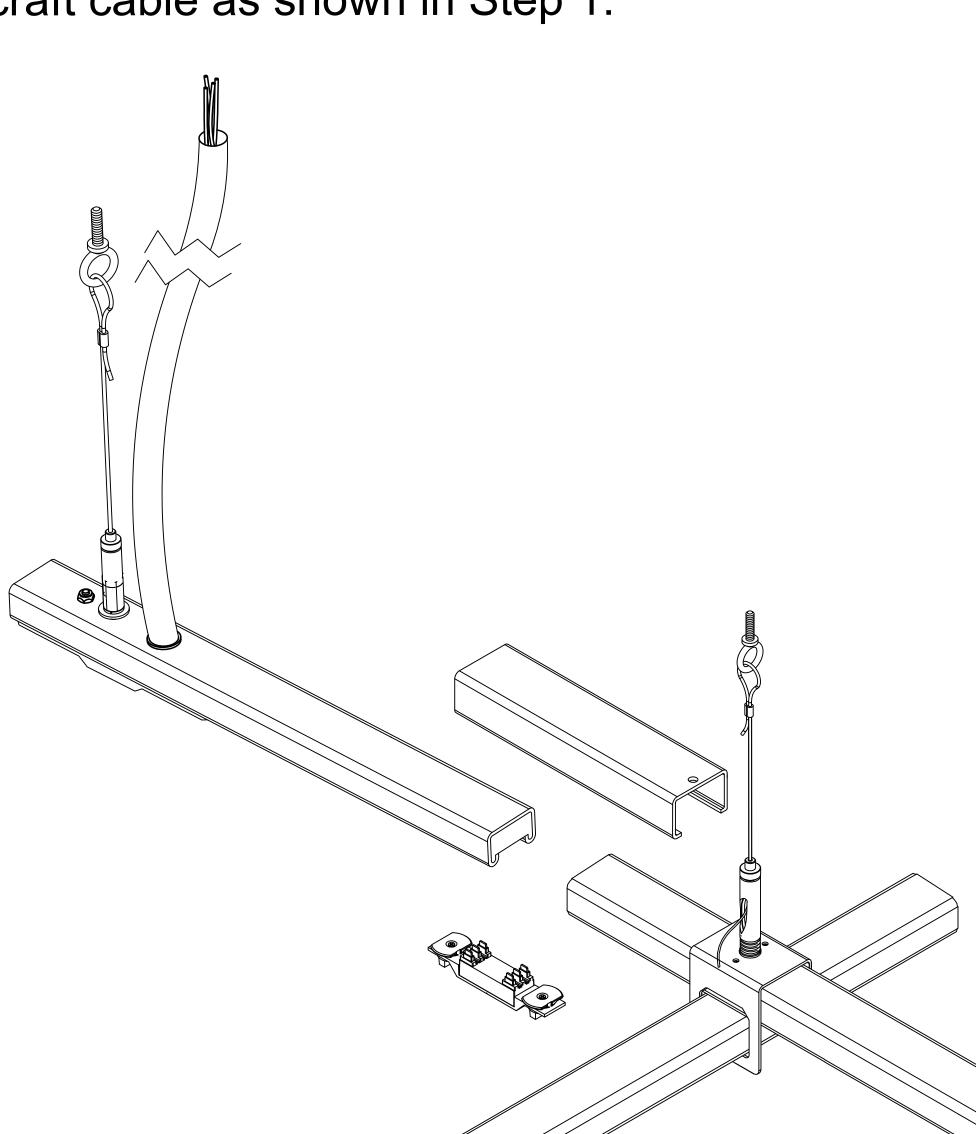


### STEP 4B

### STARTER FEED

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.

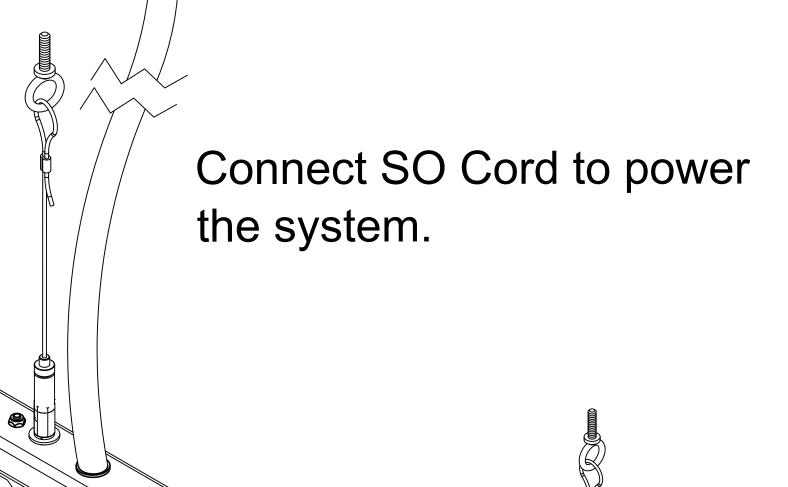
Attach the cable glide to the stud and tighten. Connect the aircraft cable as shown in Step 1.



#### **STARTER FEED (P20-3-40-UNIV-30-CM-F 1-1)**

This 30" length supplies power to a configuration from the preassembled cord and to the abutting length via a joiner insert that must be installed.

Once the starter is properly suspended, connect the starter to the suspended grid using a Joiner and Insert as shown in Step 2.



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DRAWINGS

LARRY GELLER

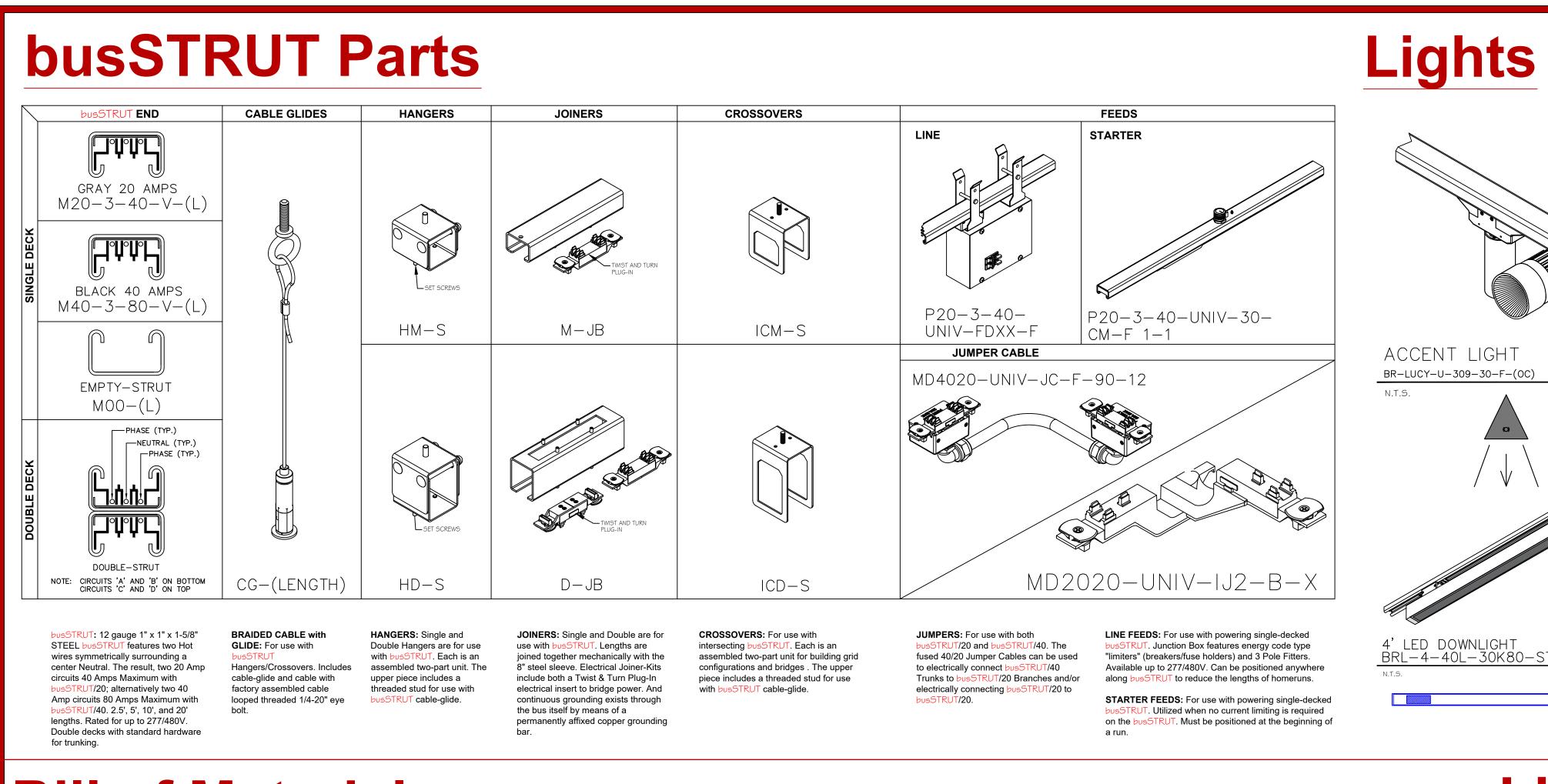
BID/REVIEW

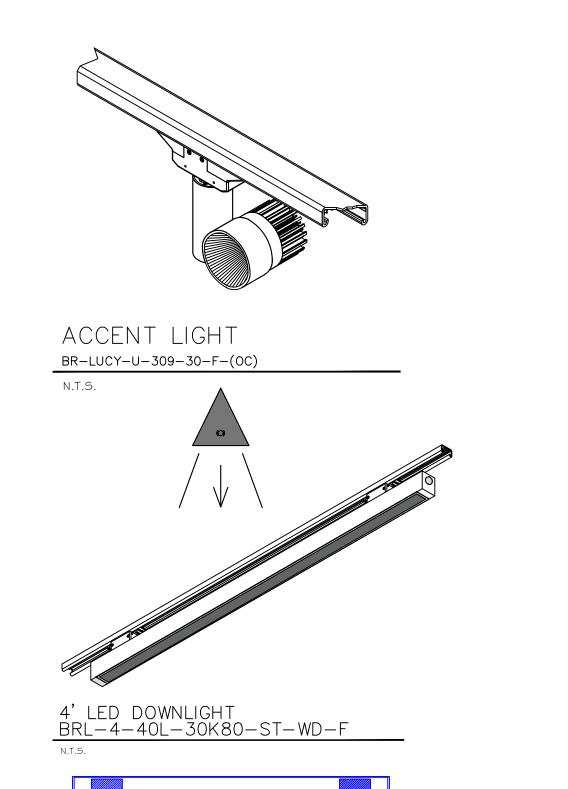
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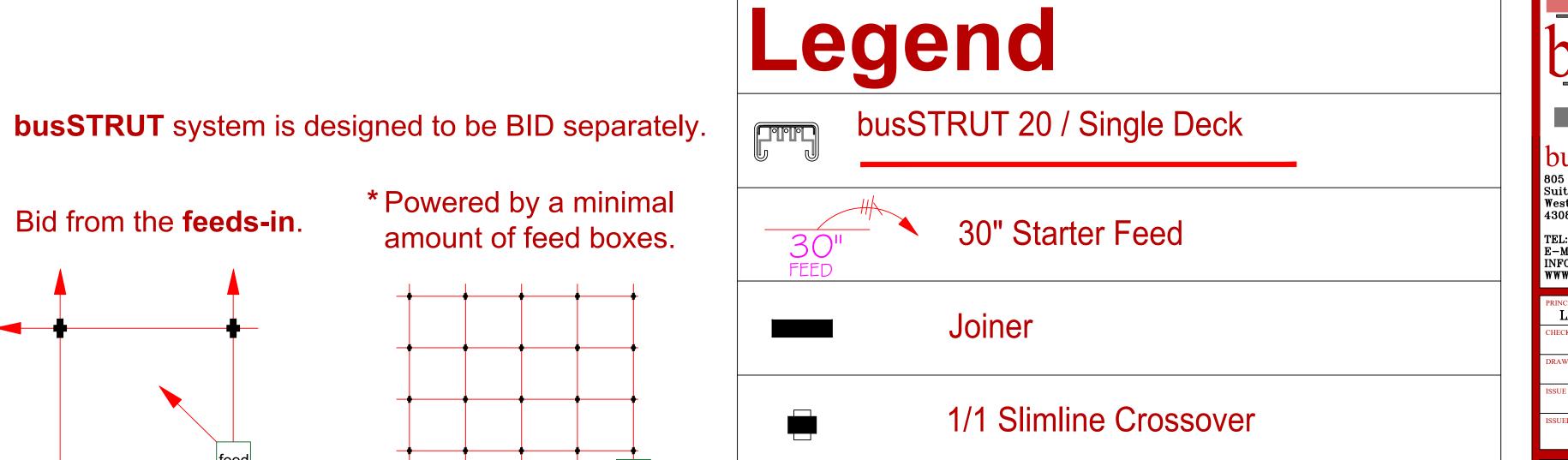
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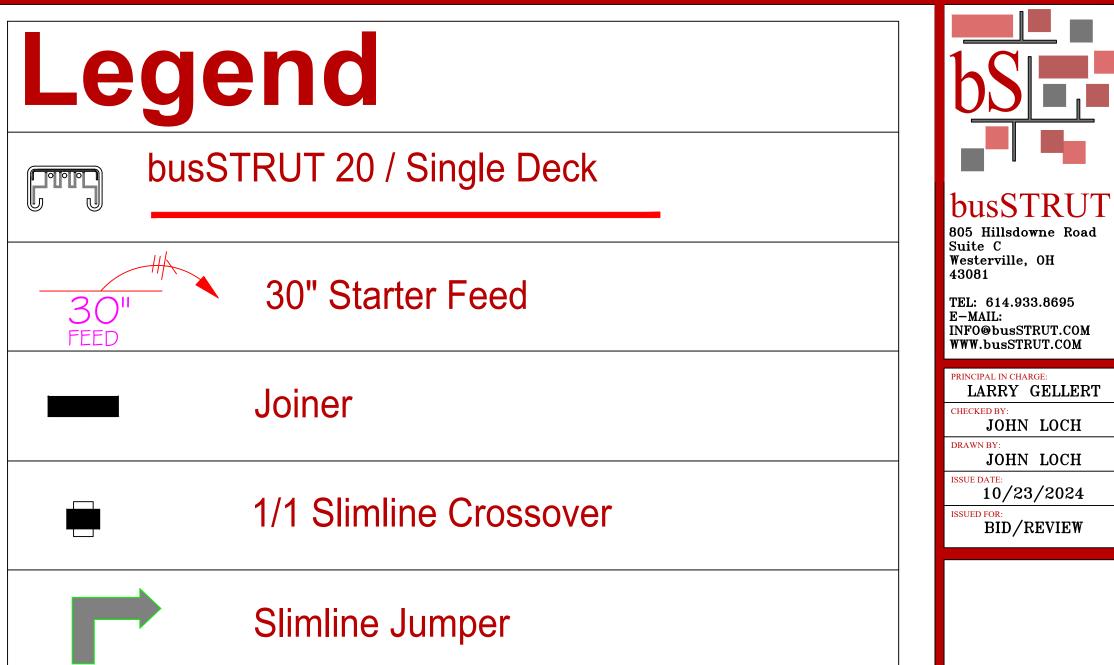
E-b02

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









# ROWS

### Bill of Materials

								busST	RUT <b>B</b>	ill of Ma	aterial	5								
Small Grid LT											sh T	BD:		lack			Drawi Check Date	n By ked By	John	Loch Loch 3/2024
				busST	RUT LE	NGTHS	3			ousSTRUT		_	<u> </u>		busSTR	UT PO	WFR			
					sSTRU1		-	Joii	ners		Hangers	I	Xover	Jcord	Bussin	1	ine		GEN	ACT
									INSERT	ECTRIC INSERT				JUMP CORD			STARTER FEED CENTER MOUNT	Breakered		
	<u> </u>	<b>n</b>	<u>a</u>				m	SINGLE	JOINER	NON-EL JOINER	SINGLE			-12-G02	<b>×</b>	F.	N-F 1-1		-WD-F	(oc)
	II		M20-3-40-277-2.5-F-2B	M20-3-40-277-3-F-2B	M20-3-40-277-5-F-2B	M20-3-40-277-7-F-2B	M20-3-40-277-10-F-2B	M-JB-F-X	M-JI-F-X	M-JI-F-NE	HM-S-F-ST-LFX	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-F	P20-3-40-UNIV-30-CM-F	P40-3-60-UNIV-FD-F	BRL-4-40L-30K80-ST-WD	BR-LUCY-U-309-30-F-(OC)
R/C Amps	LF	BF	2.5	3	5	7	10	М	INS	NE-INS	M	C-GI	1/1	12"	INVS	JK	<b>30ST</b>	40	GEN	ACT
Rows																				
R1 20 R2 20	7.5	7.5			1			1	]	L		2	2		4		1			1
SUB TOTAL	7.5 <b>15</b>	7.5 <b>15</b>	1		2			2	2	L		4	4		1		1			2
R/C Amps	LF	BF	2.5	3	5	7	10	M	INS	NE-INS	М	C-GI	1/1	12"	INVS	JK	30ST	40	GEN	ACT
Columns																				
CI 20	7.5	7.5			1			1	1	L					1				1	
C2 20	7.5	7.5			1			1		L					1				1	
SUB TOTAL	15	15	2		2			2	2	2					2				2	
STORE TOTAL	30.0	30.0	3		4			4	4	l e		4	4		3		1		2	2

### **Labor Hours**

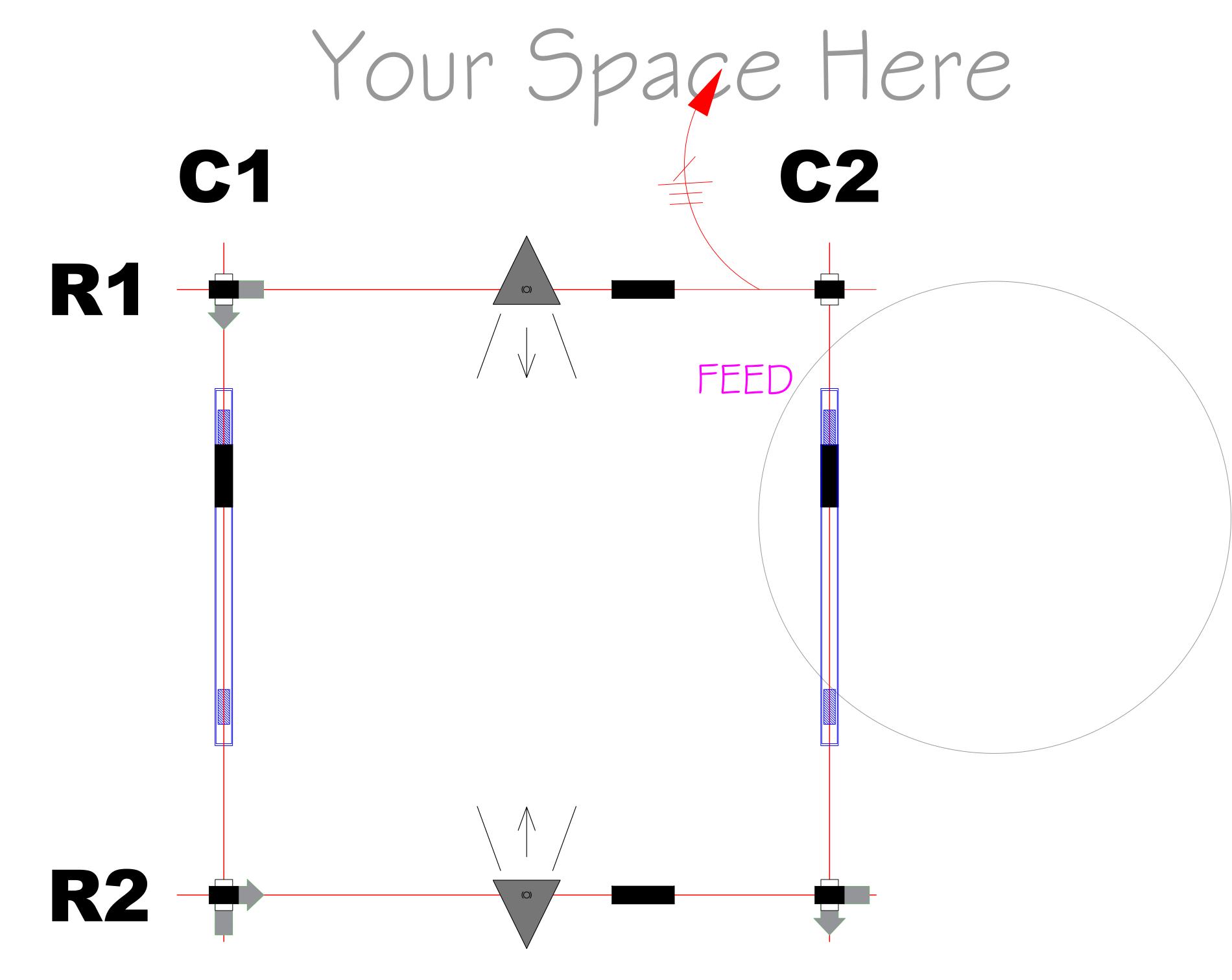
**busSTRUT** provides time-tested standard labor hours per part, which are then multiplied by the project's Bill of Materials.

busSTRUT LABOR											
	ITEMS	Qty.	U/M		STANDA LABOR mín		TOTAL HRS				
	LENGTHS	30	LF	х	2.75	0.05	=	1			
	JOINERS	4	EA	х	12	0.20	=	1			
SYSTEM	HANGERS	4	EA	х	25	0.42	=	2			
r)	CROSSOVERS	4	EA	X	10	0.17	=	1			
OUSSTRUT	ATTACHMENTS		EA	х	8	0.13	=	0			
70	JUMPERS	3	EA	х	6	0.10	=	0			
	FEEDS	1	EA	Х	15	0.25	=	0			
					busSTRUT	SUB-TOTAL	=	5			
FIXTURES	ACCENT	2	EA -	х	8	0.13	=	0			
Ε̈́	LINEARS	2	EA	х	20	0.33	=	1			
		=	1								
					-	TOTAL TIME	=	6			

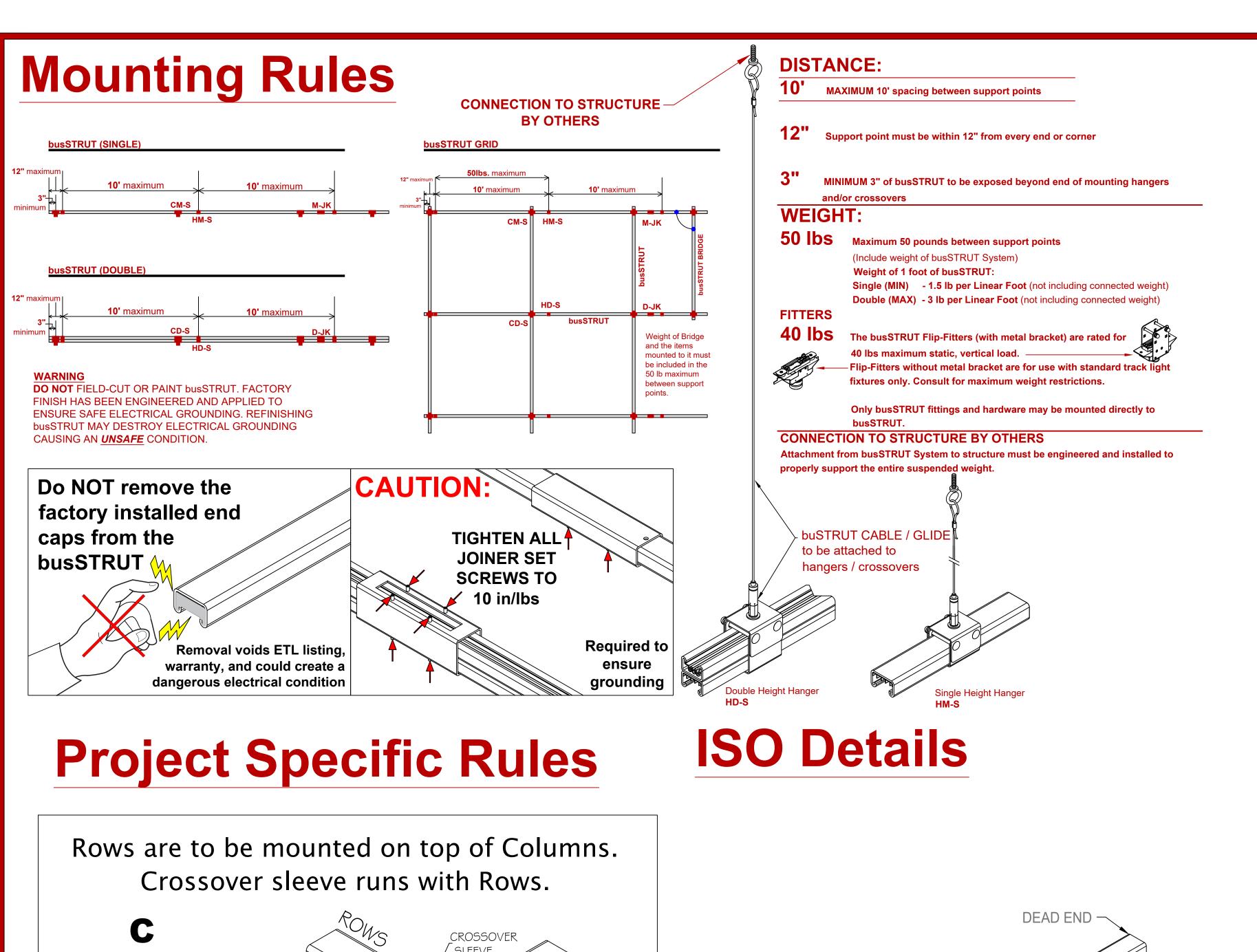
### **Lighting Plan**

**LIGHTING PLAN ONLY** 

THIS DRAWING IS MEANT TO SHOW THE LOCATION OF busSTRUT ENGINEERING / ELECTRICAL SPECIFICATIONS. (SEE THEIR DRAWINGS)

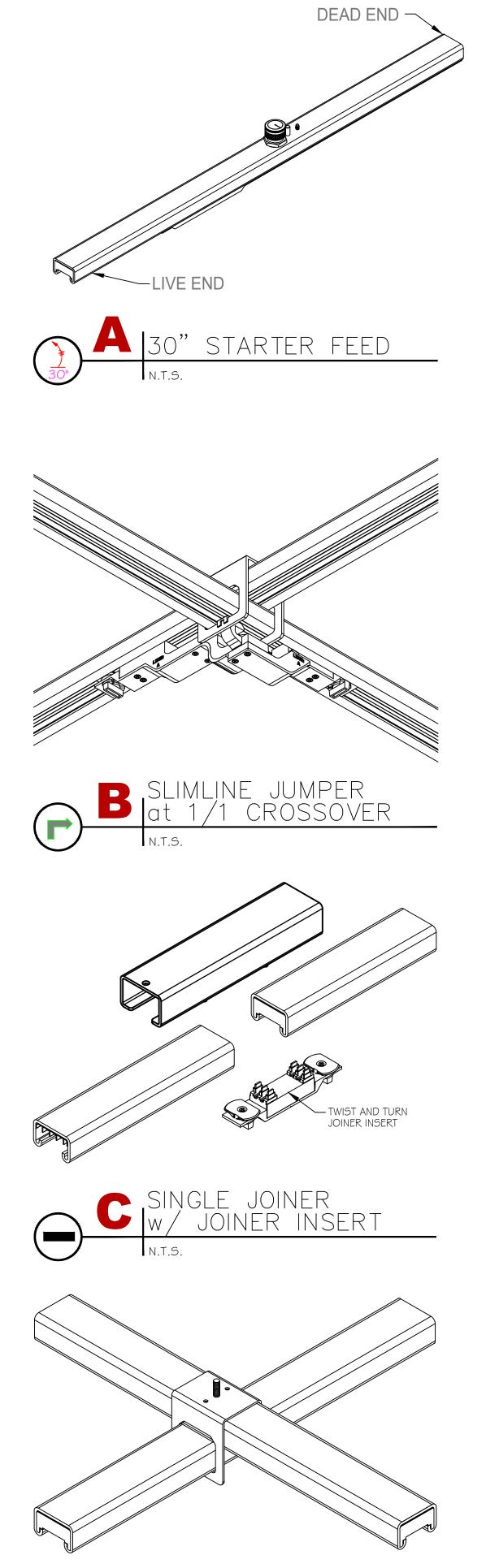


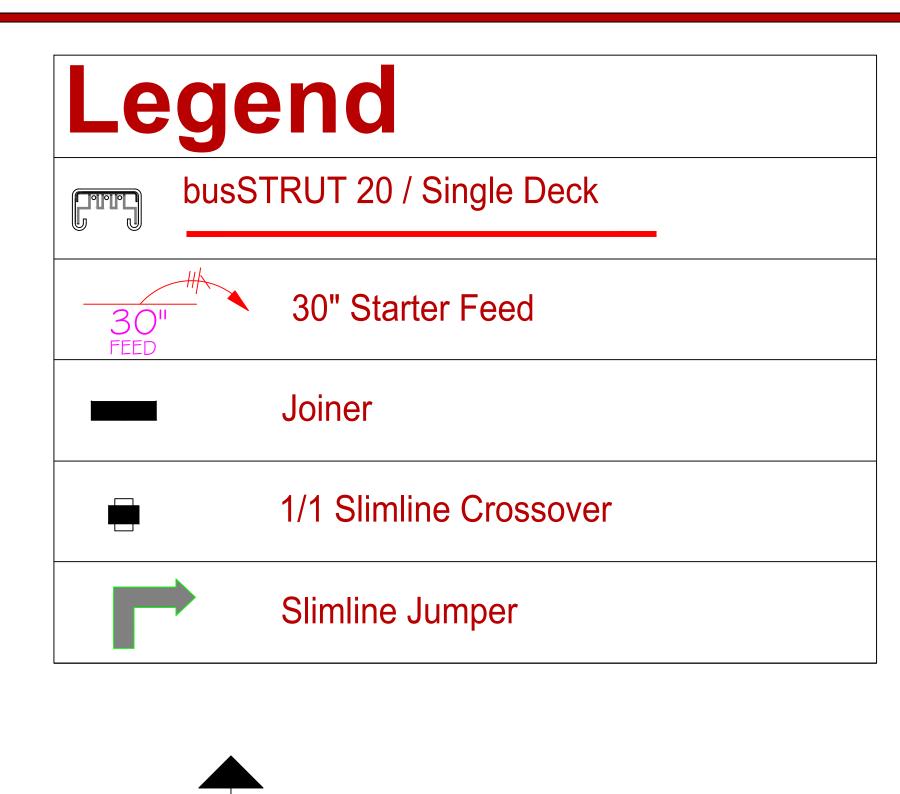
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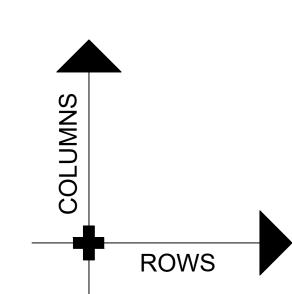


Column

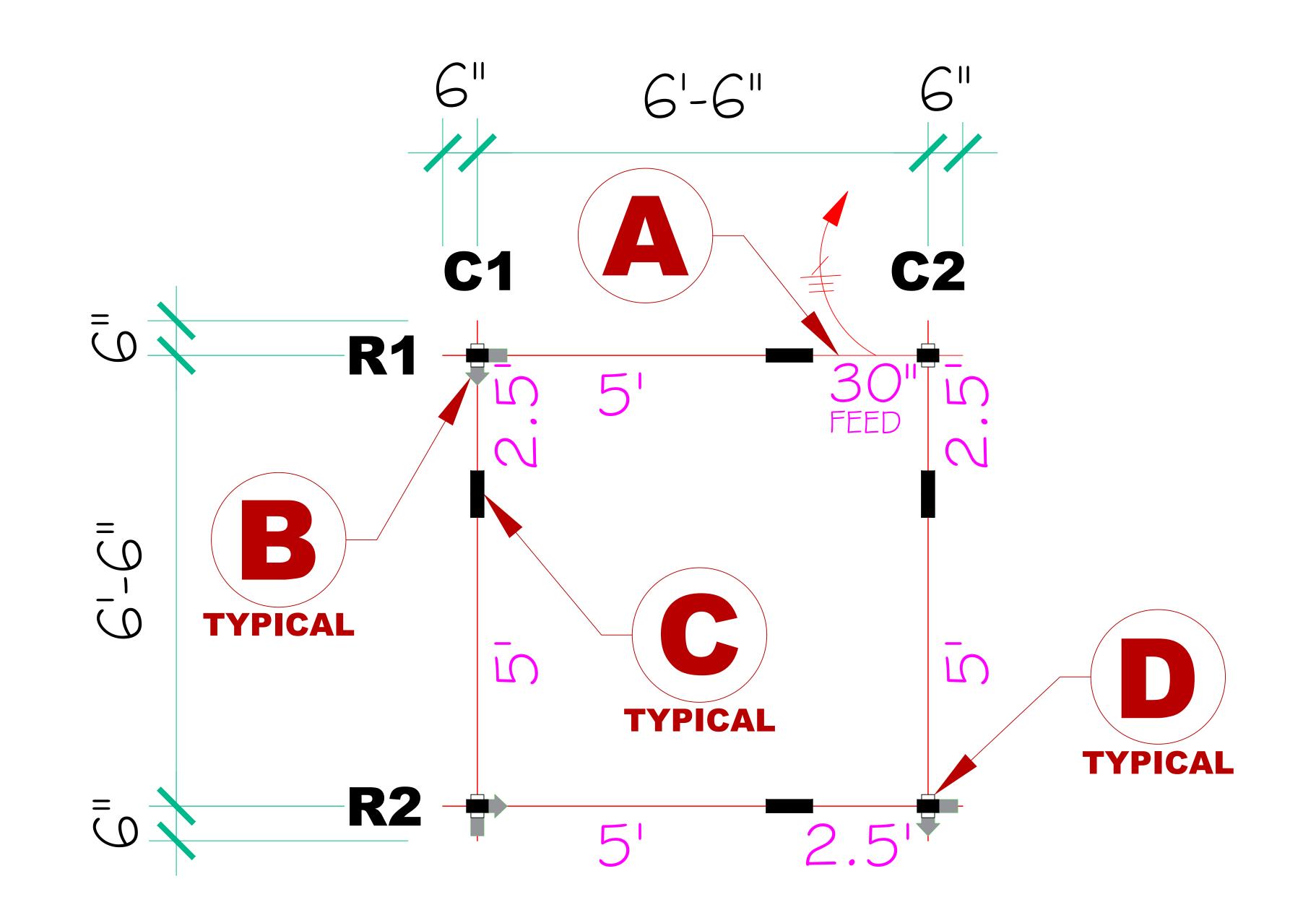
Row







### Dimensions



ASSEMBIN FIGURALL GRID - Ligh

busSTRU7

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PRINCIPAL IN CHARGE:

LARRY GELLERT

JOHN LOCH

JOHN LOCH

10/23/2024

BID/REVIEW

BY STRUT

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ENGINEERING OR ELECTRIC,

ENGINEERING OR ELECTRIC,

DATE

NO. DATE

DRAWINGS

SCALE 1" = 1'-0"

DRAWING NUMBE