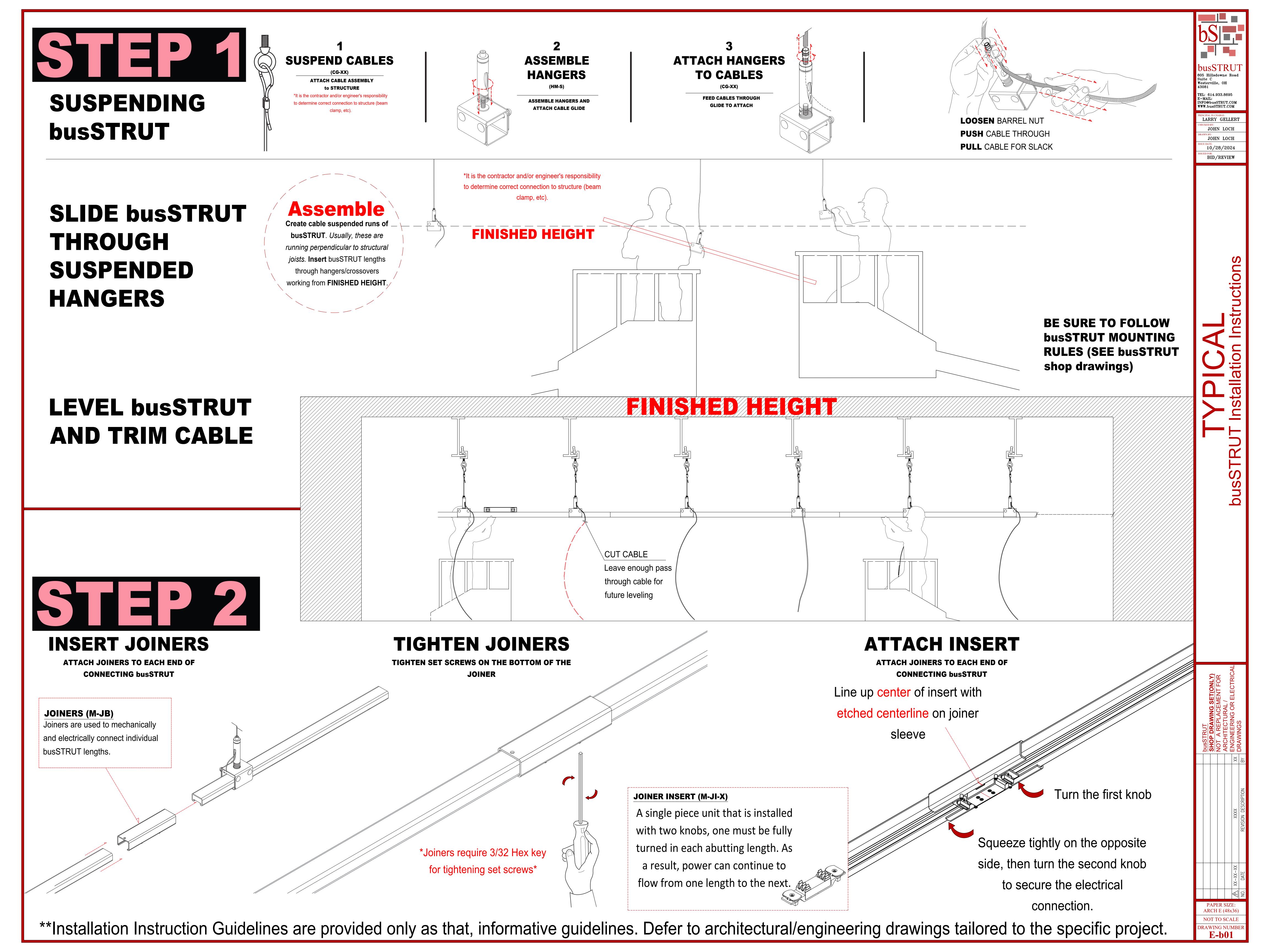


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## INSTALLING CROSSOVERS DROPPING ON

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

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

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

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

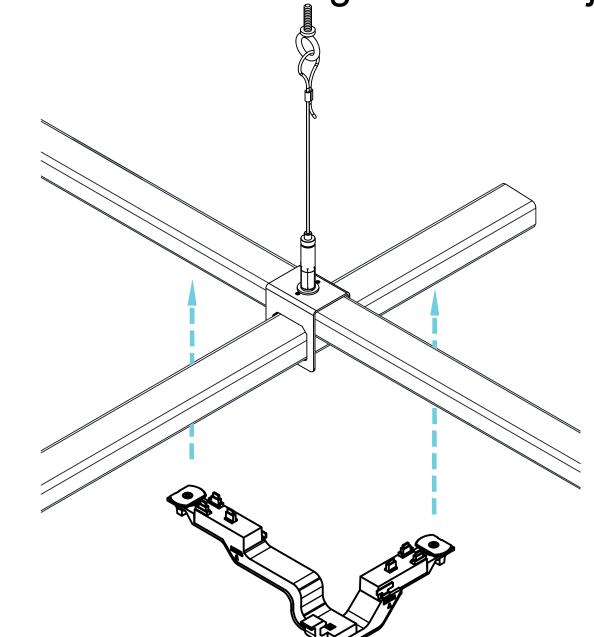
**B2** 

**C**3

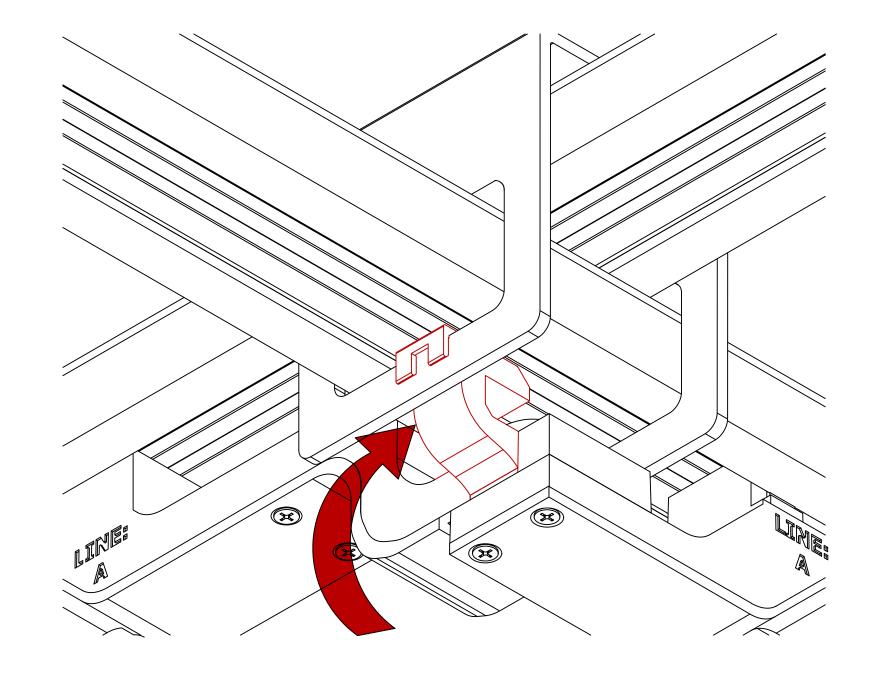
## 

## SLIMLINE JUMPER

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

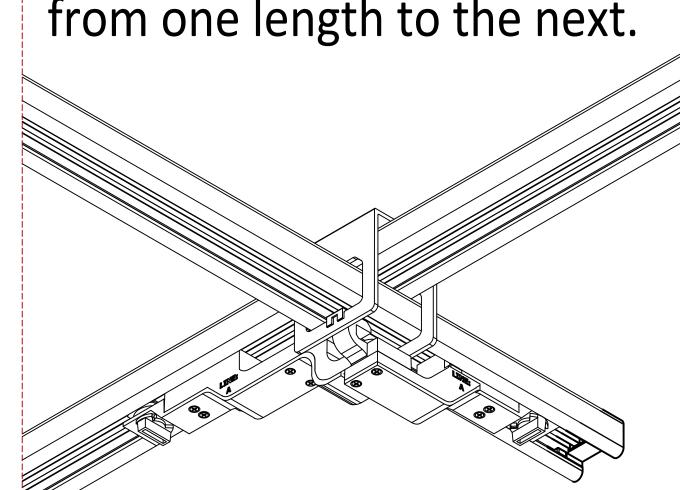


First, clip the jumper to the crossover.

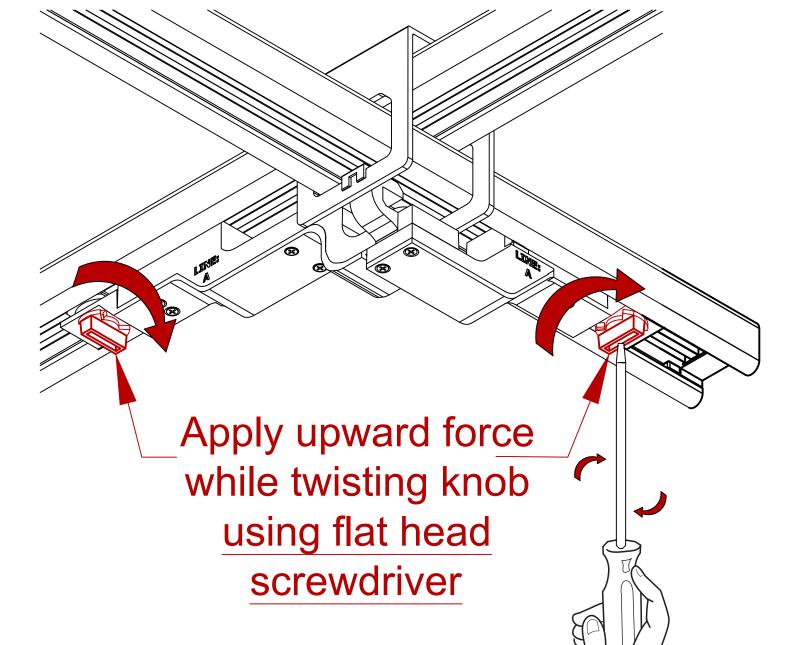


**SLIMLINE JUMPER (MD2020-UNIV-IJ2-B-X)** A single piece unit that is installed with two knobs, one must be fully turned in each abutting length. As a result, power can continue to flow from one length to the next.

screws.



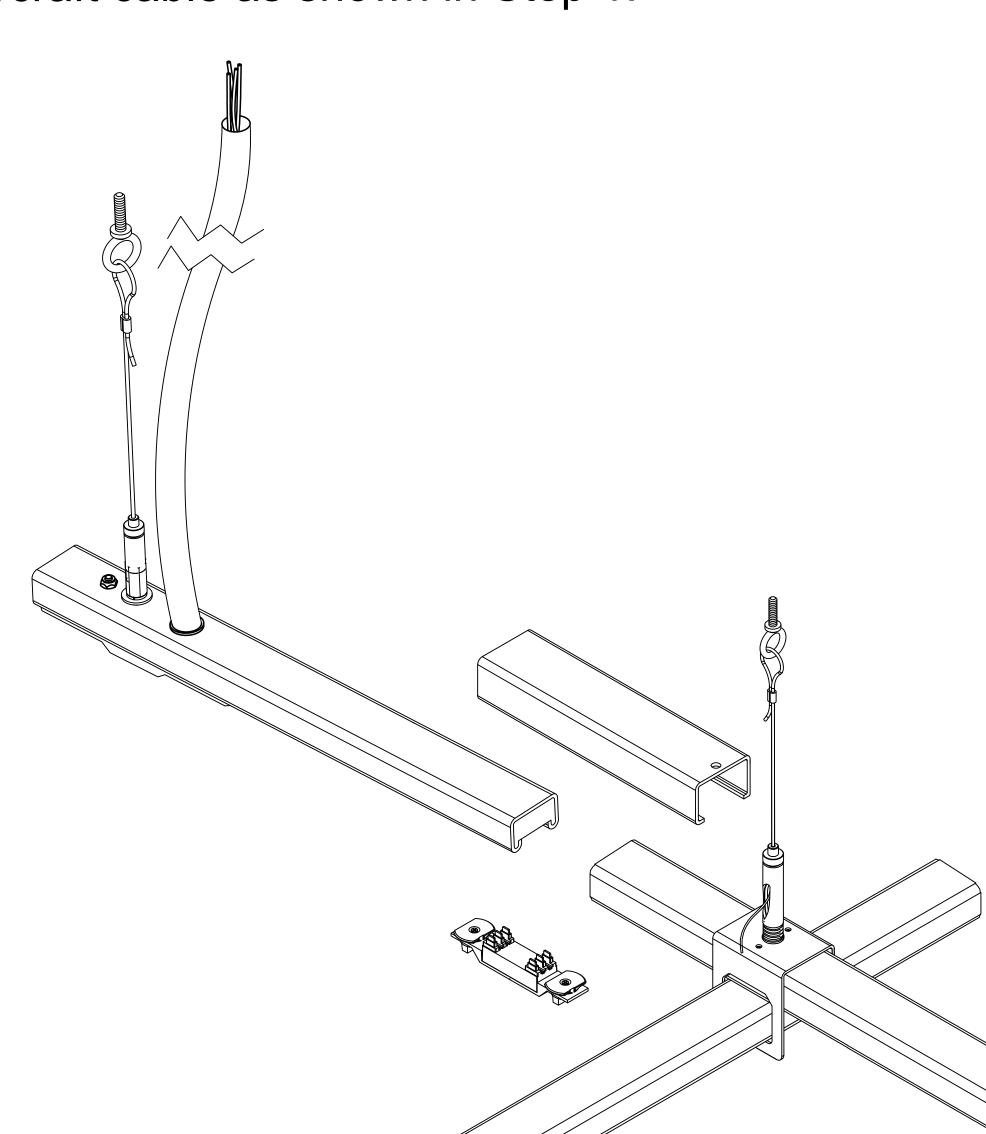
Seat the jumper into the busSTRUT by squeezing tightly on one side and turning the knob. Then, turn the other knob to complete the circuit.



### 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.

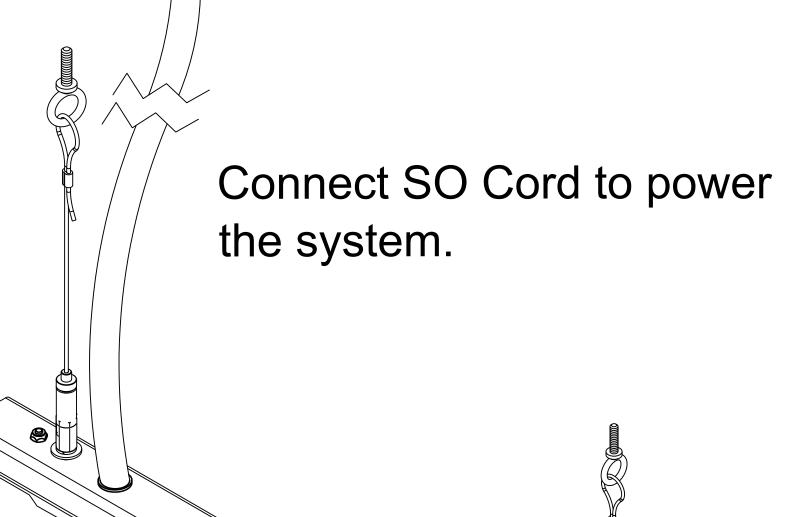
Attach the cable glide to the stud and tighten. Connect the aircraft cable as shown in Step 1.



#### **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.



PAPER SIZE:

ARCH E (48x36

NOT TO SCALE

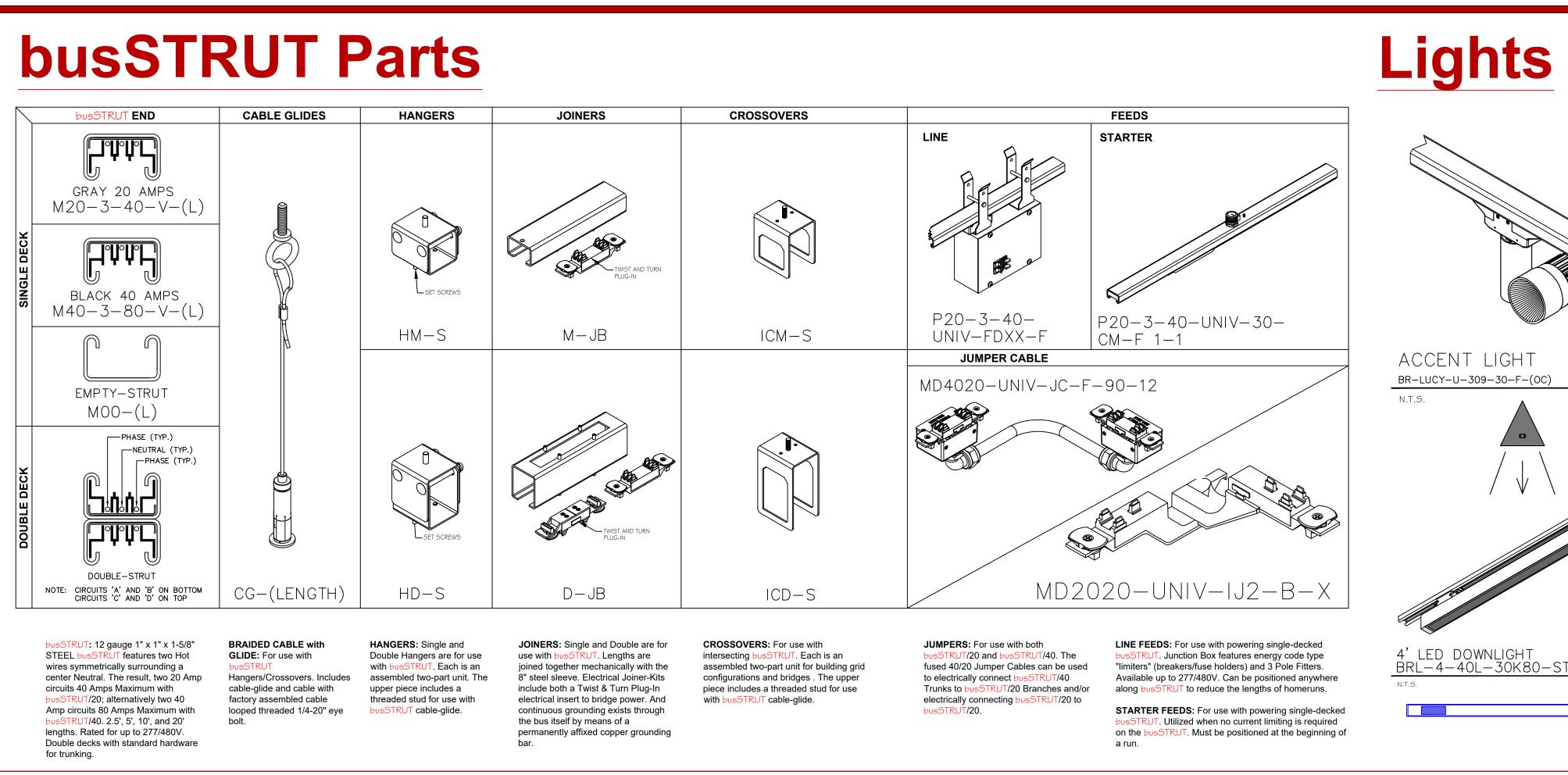
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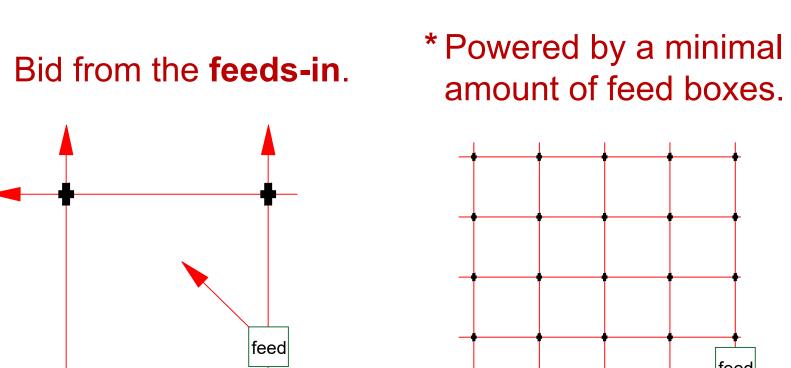
BID/REVIEW

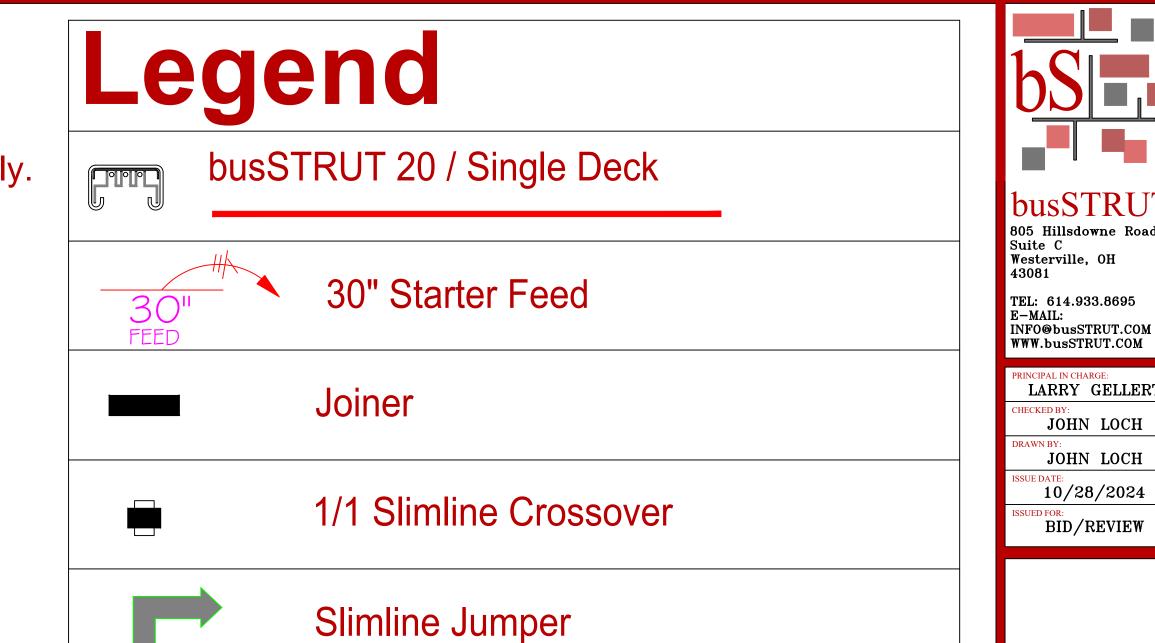
\*\*Installation Instruction Guidelines are provided only as that, informative guidelines. Defer to architectural/engineering drawings tailored to the specific project.

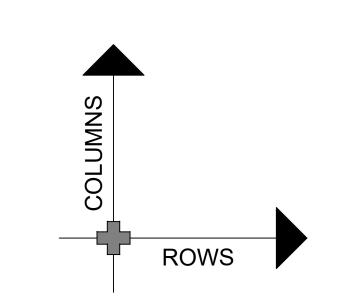


# ACCENT LIGHT BR-LUCY-U-309-30-F-(OC) 4' LED DOWNLIGHT BRL-4-40L-30K80-ST-WD-F









## **Bill of Materials**

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									Gaiv	anız	zea,	VV	iite,	or E	паск			200		20,20	/
				bus	STRU	T LENG	THS	THS busSTRUT Hardware busSTRUT P					JT PO	WER							
					busST	<b>RUT 20</b>	0 Joiners				Hang	gers C-GI Xover			Jcord		Line			GEN ACT	
									INSERT	ECTRIC		BRACKET			JUMP CORD			STARTER FEED CENTER MOUNT	POWER DROP		
		ח	n	В				SINGLE	JOINER	NON-ELE JOINER	SINGLE	DÉCOR			-12-G02	_	7- 1-	N-F 1-1	XX-CEF	-WD-F	-30- <b>F</b> -(OC)
			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	M-JB-F-X	M-JI-F-X	M-JI-F-NE	HM-S-F-ST-LFX	MKU-ST-A-F CG-E-15-B-GL	ICM-S-F-ST-X	20-UNIV-JCF-	MD2020-UNIV-1J2-F-X	P20-3-40-UNIV-JK-NB-F	40-UN 40-UN 2-120	MD40-2-120-CB20-DC-XX	BRL-4-40L-30K80-ST	BR-LUCY-U-309-30-F			
R/C	Amps	LF	BF	2.5	3	5	7	М	INS	NE-INS	M	DB	C-GI	1/1	12"	INVS	JK	30ST	PD	GEN	ACT
Rows																					
RI	20	25	25	1	2		2	5	5				4	4				1			Ţ
R2	20	25	25		2	1	2	4	4				4	4		1					4
R3	20	25	25		2	1	2	4	4				4	4		1					4
R4	20	25	25	_	2	1	2	4	4				4	4		1		_			
SUB T	Amps	LF	100 BF	2.5	3	5	7	17 M	INS	NE-INS	М	DB	C-GI	16	12"	INVS	JK	30ST	PD	GEN	ACT
Columns	Allips		ы	2.5	3	3	,	IM	1113	IL-III3	141	DB	C-G1	-/-	12	INVS	JK	3031	FD	GLIN	ACI
Cl	20	25	25		2	1	2	4	4							1				3	
C2	20	25	25		2	1	2	4	4							1				3	
С3	20	25	25		2	1	2	4	4							1				3	
C4	20	25	25		2	1	2	4	4							1				3	
SUB T	OTAL	100	100		8	4	8	16	16							4				12	
R/C	Amps	LF	BF	2.5	3	5	7	M	INS	NE-INS	М	DB	C-GI	1/1	12"	INVS	JK	30ST	PD	GEN	ACT
Bridges																					
ВІ	20	10	10		1		1	1	1					2		1			1		
B2	20	10	10		1		1	1	1					2		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	UTAL	40	40		4		4	4	4					8		4			4		
	TOTAL	240.0	240.0		20	-	20	37	37				16	24		11		_	_	12	

## **Labor Hours**

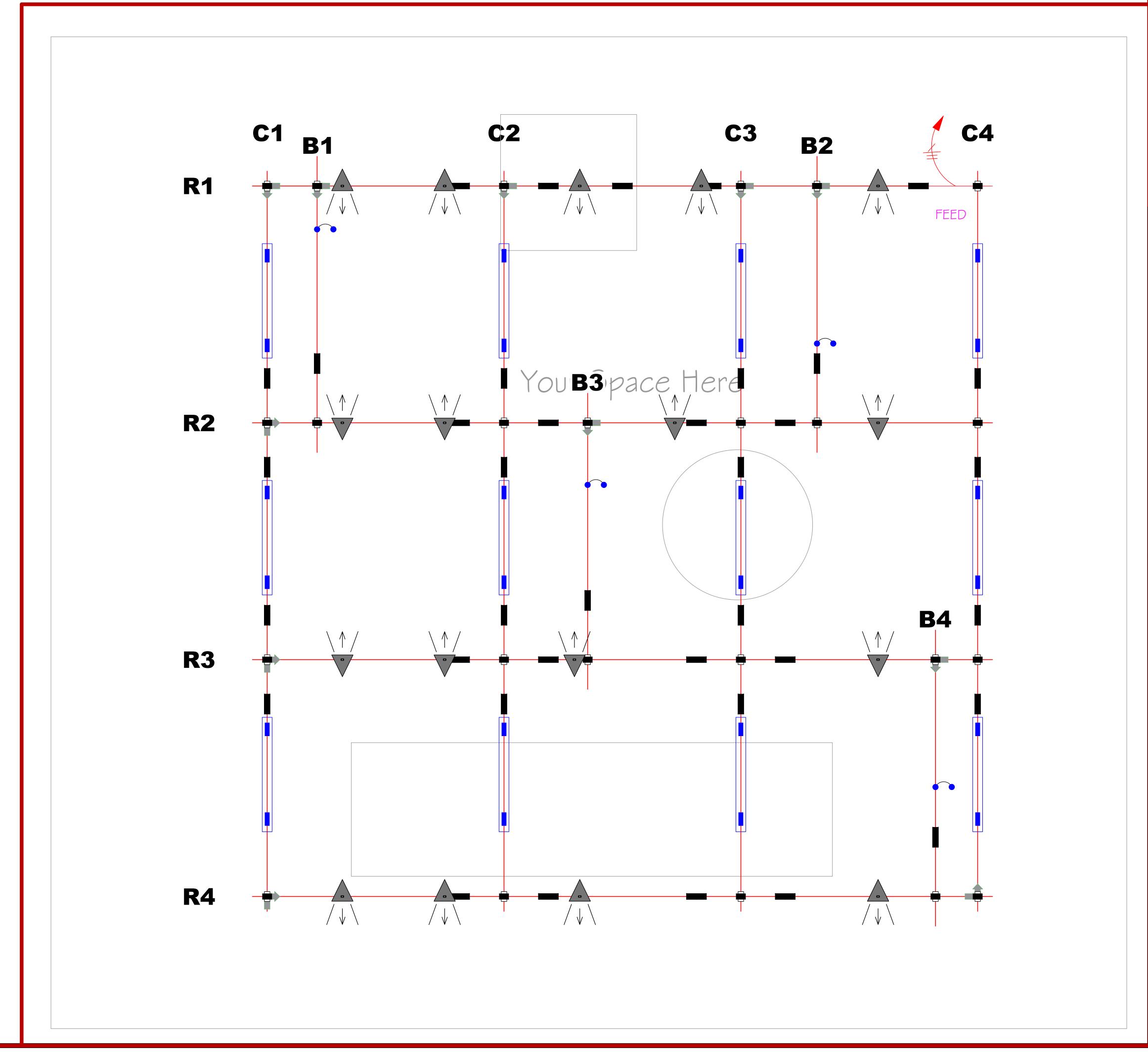
busSTRUT provides time-tested standard labor hours per part, which are then multiplied by the project's Bill of Materials.

	busstrut LABOR											
	ITEMS	Qty.	U/M		STANDA LABOR mín		TOTAL HRS					
	LENGTHS	240	LF	X	2. <del>75</del>	0.05	=	11				
∑ ∐	JOINERS	37	EA	х	12	0.20	=	7				
SYSTEM	HANGERS	16	EA	X	25	0.42	=	7				
busstrut	CROSSOVERS	16	EA	X	10	0.17	=	3				
	ATTACHMENTS	4	EA	X	8	0.13	=	1				
19	JUMPERS	11	EA	X	6	0.10	=	1				
	FEEDS	1	EA	X	15	0.25	=	0				
					busSTRUT	SUB-TOTAL	=	30				
FIXTURES	ACCENT	17	EA -	X	8	0.13	=	2				
Ε	LINEARS	12	EA	х	20	0.33	=	4				
		ьи	sSTRU"	=	6							
						TOTAL TIME	=	36				

## **Lighting Plan**

**busSTRUT LIGHTING PLAN ONLY** 

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



busSTRUT
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Suite C
Westerville, OH
43081 TEL: 614.933.8695 E-MAIL: INFO@busSTRUT.COM WWW.busSTRUT.COM

PRINCIPAL IN CHARGE:

LARRY GELLERT JOHN LOCH JOHN LOCH 10/28/2024

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