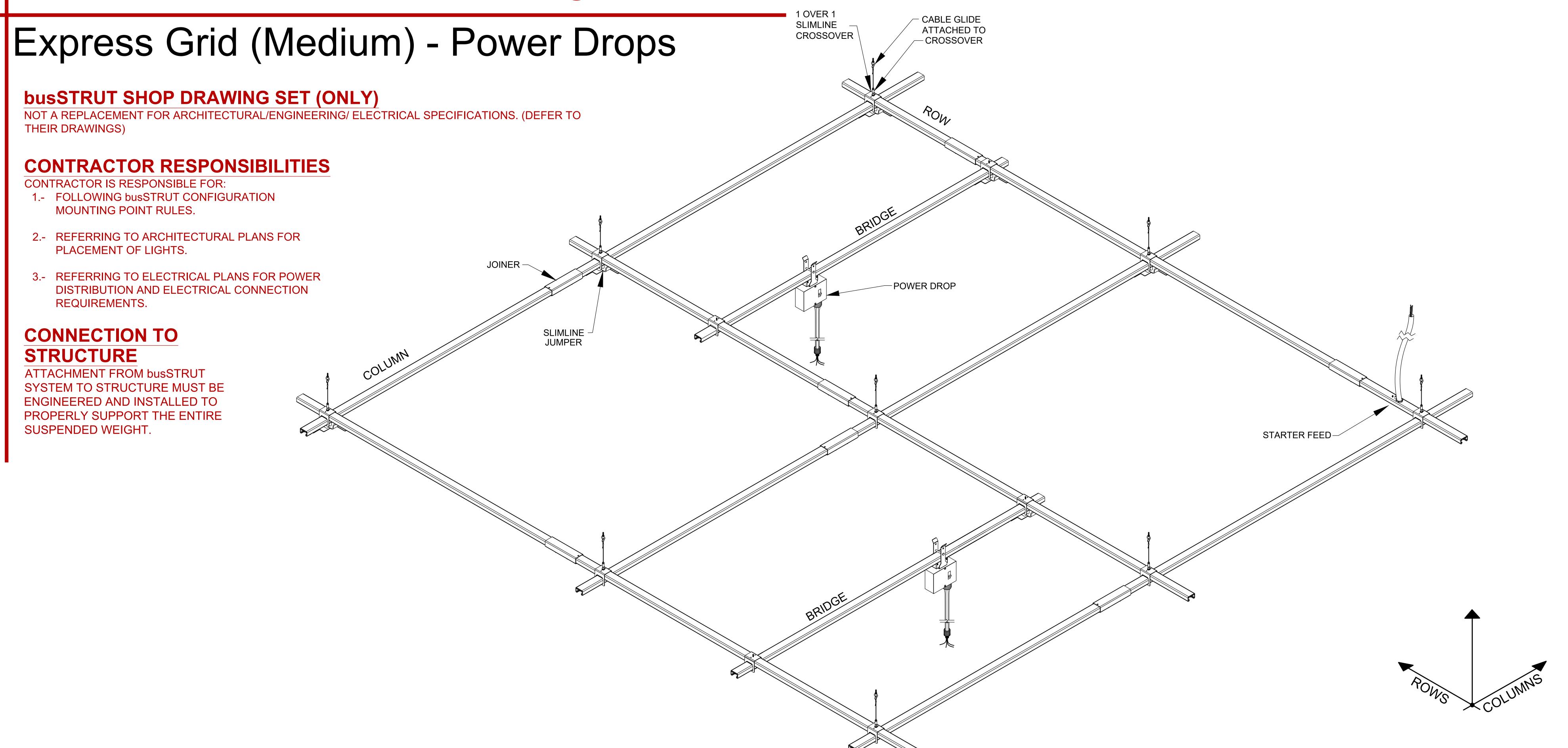
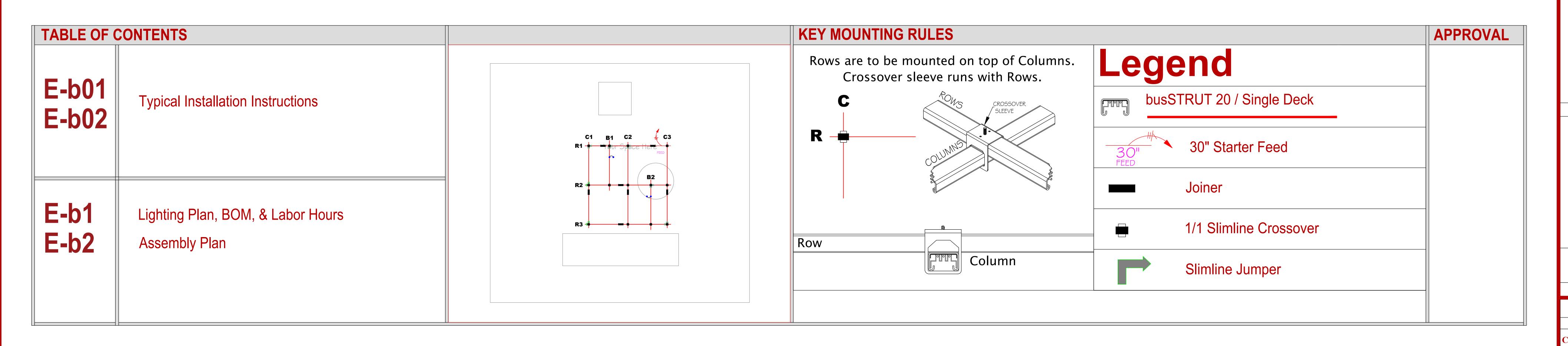
## busSTRUT Shop Drawing Set





ASTRUT
SHOP DRAWING SET(ONLY)
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SHOP DRAWING SET(ONLY)
SHOP DRAWING SET(ONLY)
NOT A REPLACEMENT FOR ARCHITECTURAL /
ENGINEERING OR ELECTRICAL
BY
DRAWINGS

NO. DATE

REVISION DESCRIPTION

NO. DATE

REVISION DESCRIPTION

NO. DATE

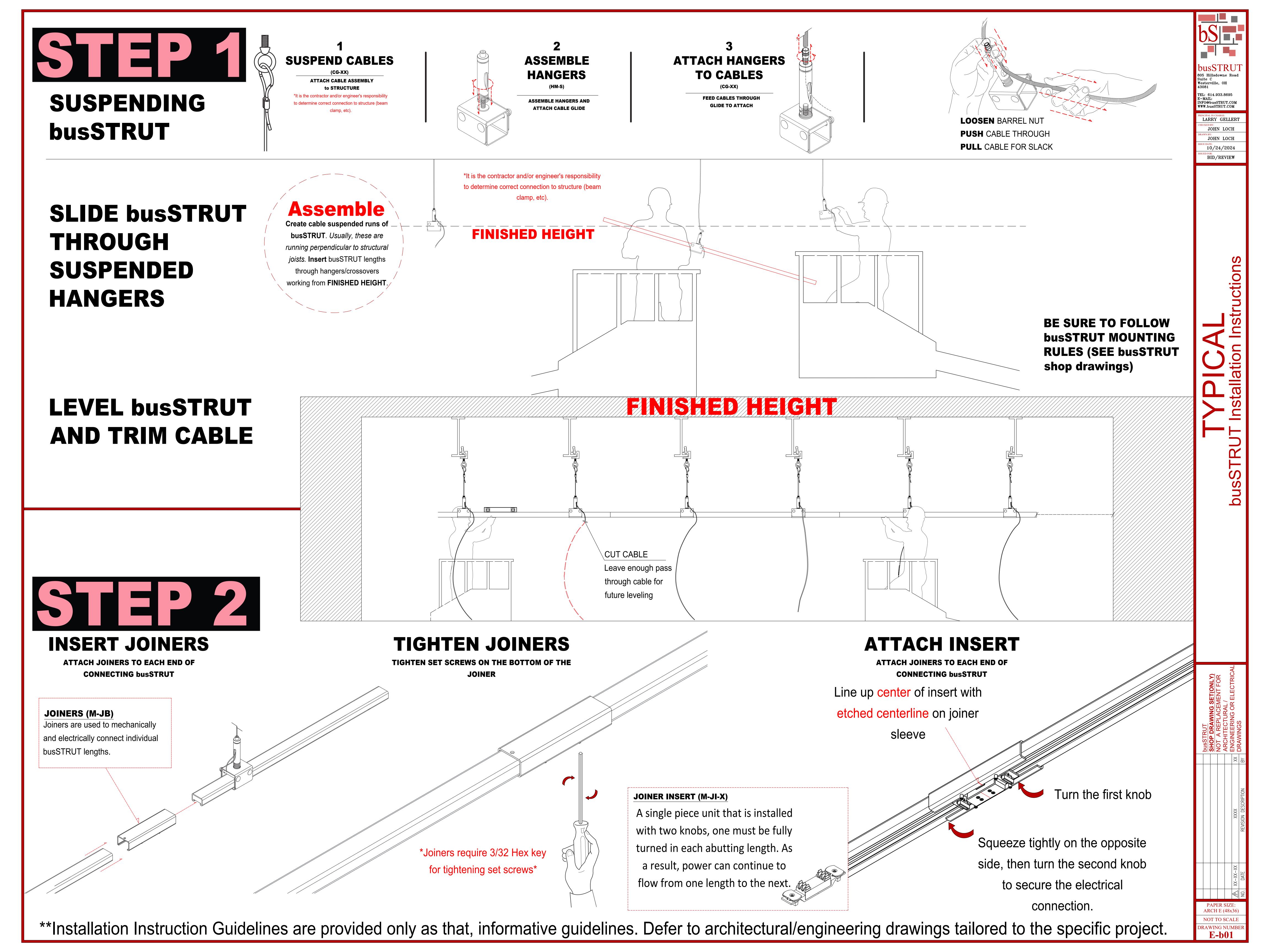
805 Hillsdowne Road Suite C Westerville, OH 43081

PRINCIPAL IN CHARGE:
LARRY GELLERT

JOHN LOCH

10/24/2024

BID/REVIEW



## 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

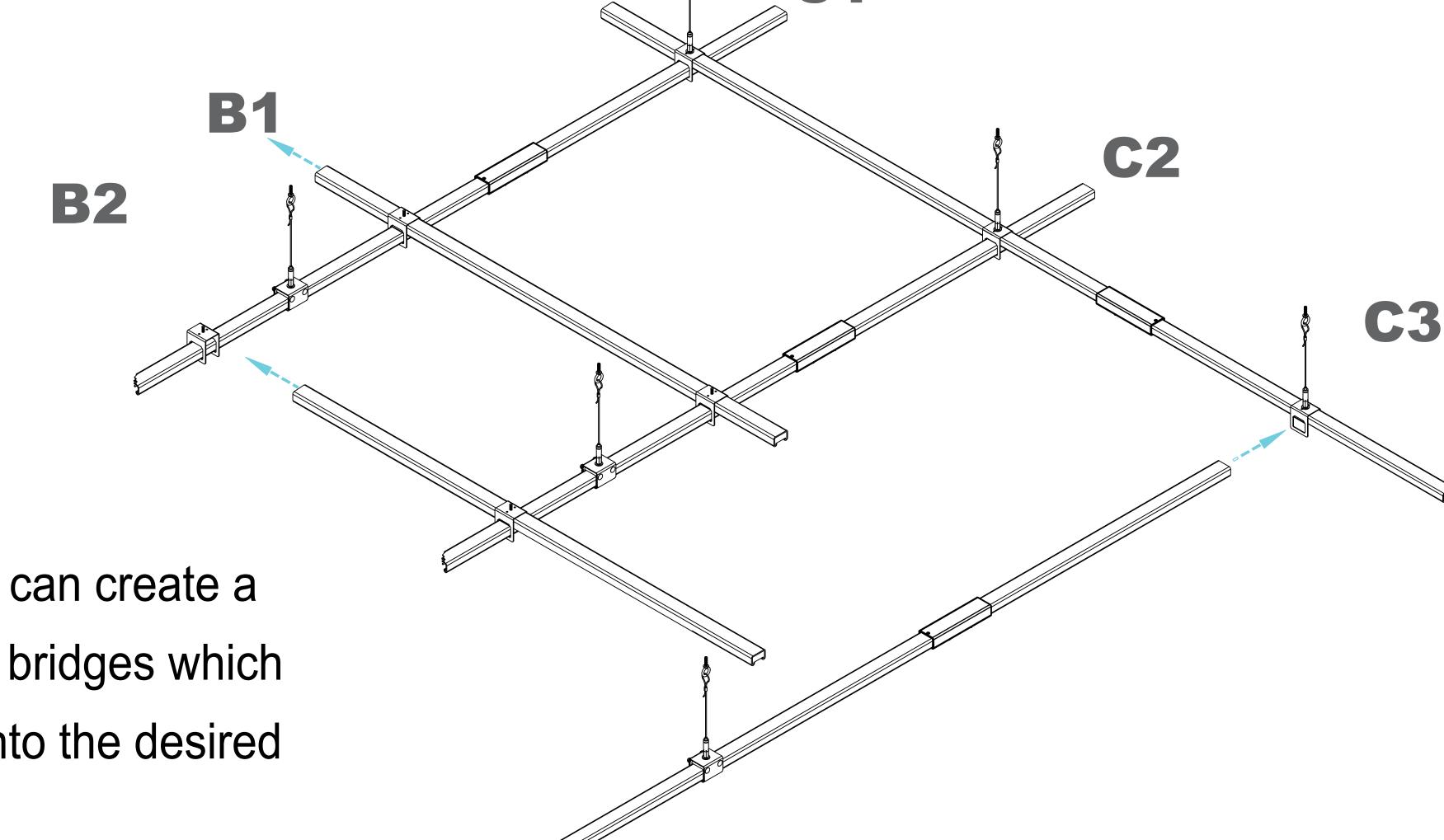
crossover and tighten the set screws.

SLIDING ON

to create perpendicular bridges.

Crosssovers can be slid into position and lifted

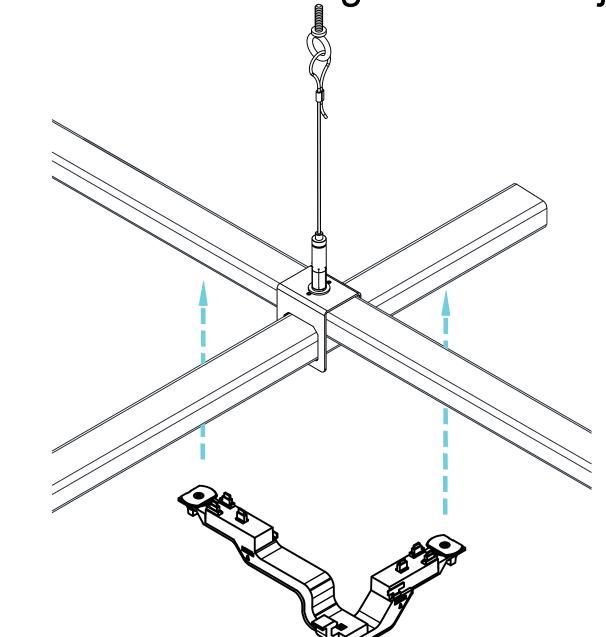
Perpendicular runs can create a full grid or be short bridges which are easily moved into the desired position.



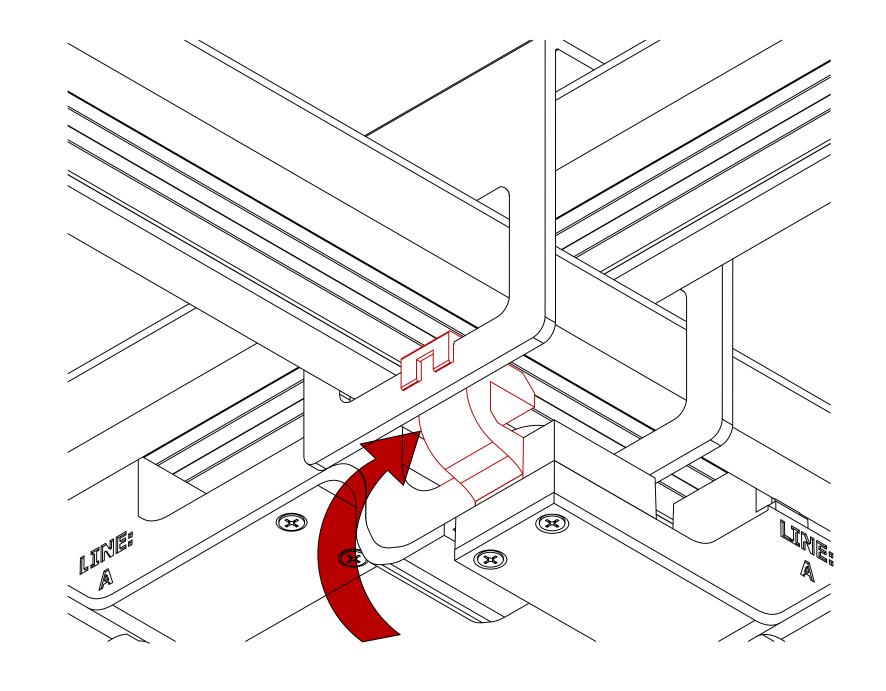
## 

#### SLIMLINE JUMPER

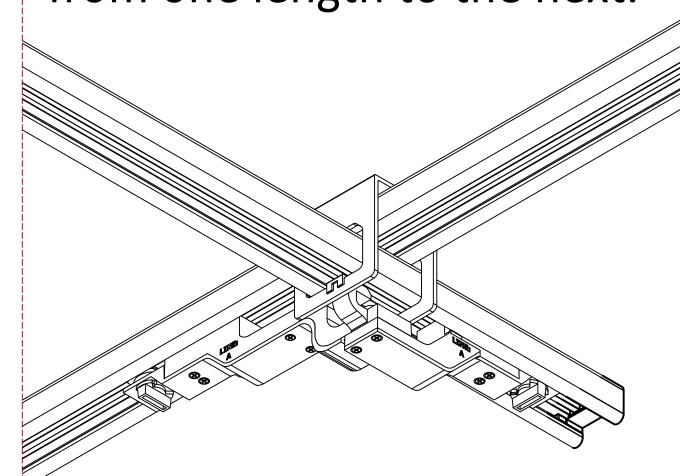
Make sure that the slimline crossover is tightened before attaching the slimline jumper.



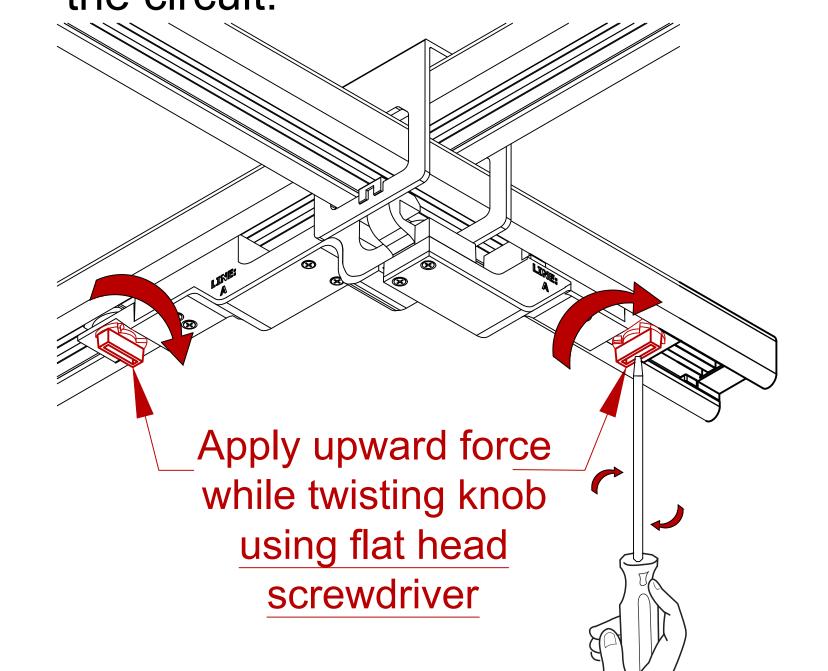
First, clip the jumper to the crossover.



**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.



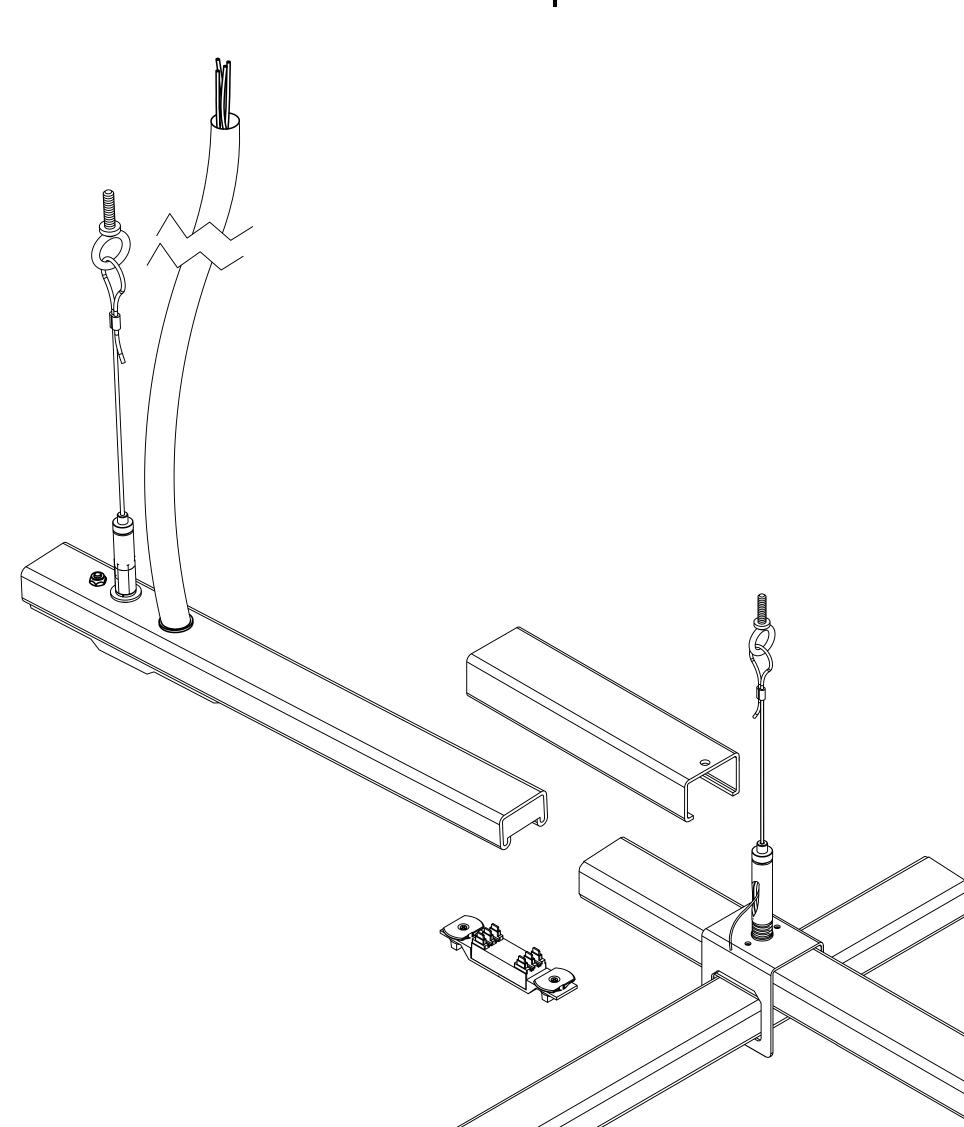
Seat the jumper into the busSTRUT by squeezing tightly on one side and turning the knob. Then, turn the other knob to complete the circuit.



#### 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.

Connect SO Cord to power the system.

PAPER SIZE: ARCH E (48x36

NOT TO SCALE

DRAWING NUMBE

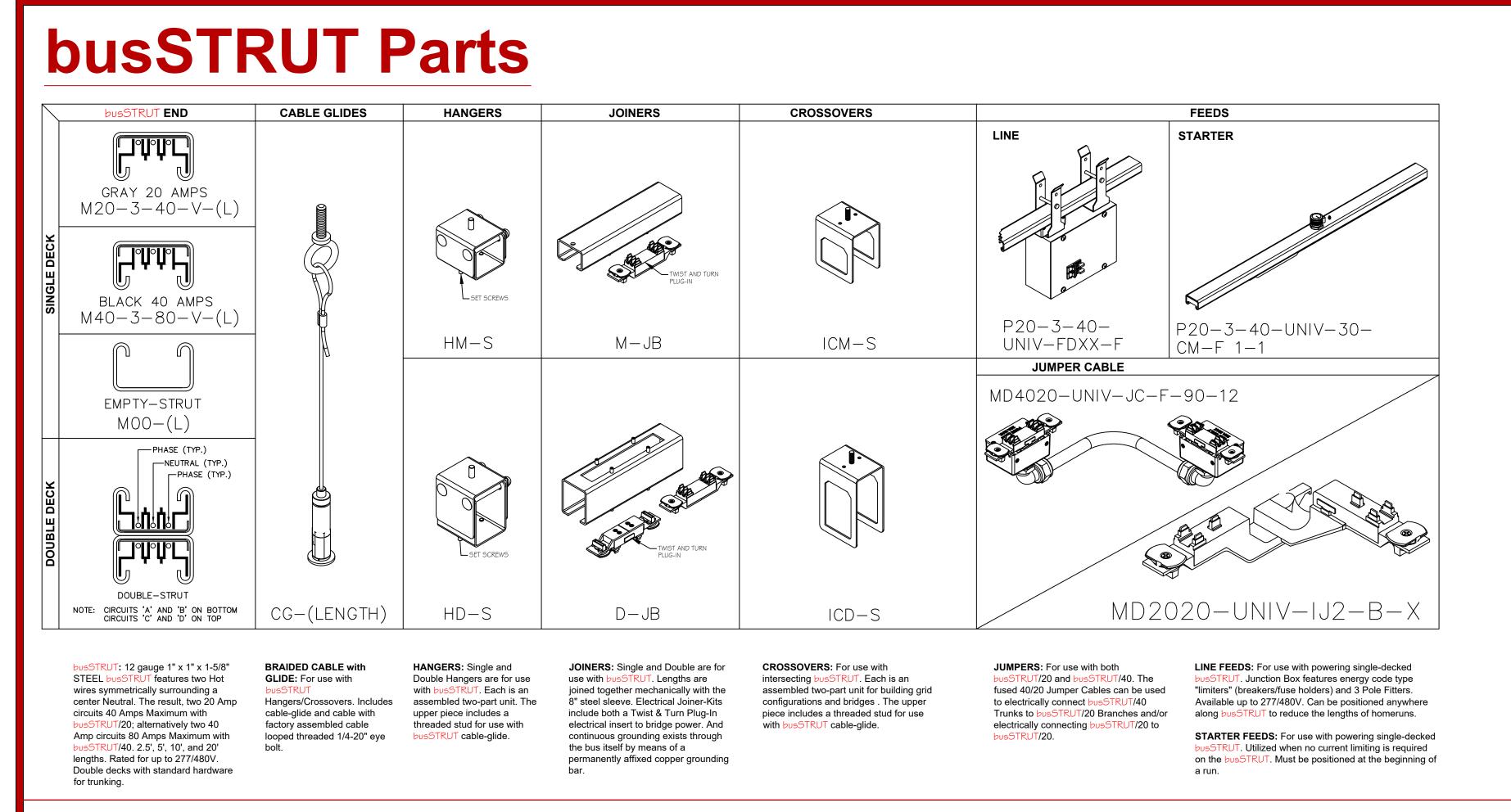
E-b02

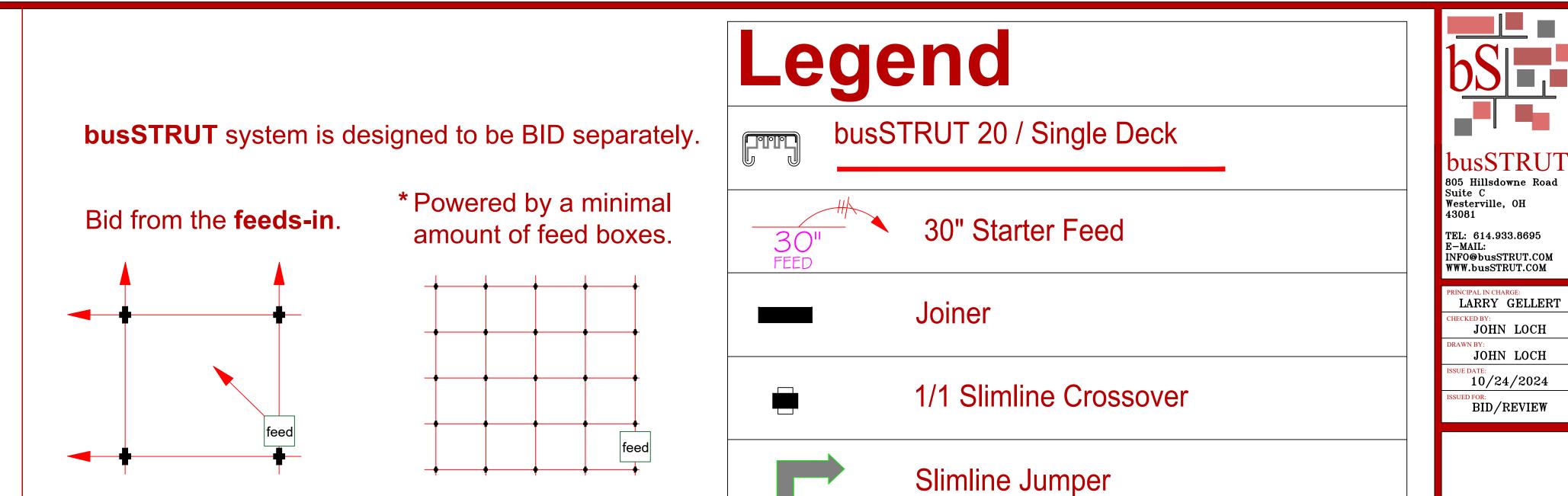
LARRY GELLER

JOHN LOCH

BID/REVIEW

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





# SNMNS

#### **Bill of Materials**

									busST	RUT B	ill of Ma	aterials	5								
GRID Me	dium PD										Fini	sh T	BD:					Drawi	n By ced By		Loch Loch
									Gal	van				or B	lack			Date	teu by		/2024
					busS	TRUT LE	NGTHS	6			usSTRUT					busSTR	UT PO	WER			
					Ь	usSTRU1	20		Joi	ners	_	Hangers	C-GI	Xover	Jcord		L	ine		GEN	ACT
										INSERT	CTRIC				JUMP CORD			STARTER FEED CENTER MOUNT	POWER		
		<b>ח</b>	n	<u>a</u>				m	SINGLE	JOINER	NON-ELECTRIC JOINER INSERT	SINGLE			-12-G02	×	뇨	<b>1-F</b> 1-1	:-XX-LEF	-ST-WD-F	(oc)
			M20-3-40-277-2.5-F-2B M20-3-40-277-3-F-2B		M20-3-40-277-5-F-2B	-3-40-277-7-F-:	M20-3-40-277-10-F-2B	M-JB-F-X	M-JI-F-X	M-I-F-NE	HM-S-F-ST-LFX	CG-E-15-B-GL	ICM-S-F-ST-X MD4020-UNIV-JCF-90-12	MD4020-UNIV-JCF-90	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	BRL-4-40L-30K80-ST	BR-LUCY-U-309-30-F	
R/C	Amps	LF	BF	2.5	3	5	7	10	М	INS	NE-INS	M	C-GI	1/1	12"	INVS	JK	30ST	PD	GEN	ACT
Rows																					
RI	20	12	12	1		-	1		2	2	2		3	3				1			
R2 R3	20 20	12 12	12 12			1	1		1	1			3	3		1 1					
SUB T		36	36	1		2	3		4	4	•		9	9		2		1			
R/C	Amps	LF	BF	2.5	3	5	7	10	M	INS	NE-INS	M	C-GI	1/1	12"	INVS	JK	30ST	PD	GEN	ACT
Columns																					
СІ	20	12	12			1	1		1	1						1					
C2	20	12	12			1	1		1	1						1					
С3	20	12	12			1	1		1	1						1					
SUB T	OTAL	36	36			3	3		3							3					
R/C	Amps	LF	BF	2.5	3	5	7	10	M	INS	NE-INS	М	C-GI	1/1	12"	INVS	JK	30ST	PD	GEN	ACT
Bridges																					
ВІ	20	7	7				1							2		1			1		
B2	20	7	7				1							2		1			1		
SUB T	OTAL	14	14				2							4		2			2		
CTORE	TOTAL	00.0	06.6	- 4		_			_	_				4.0		_					
STORE	IUIAL	86.0	86.0	1		5	8						9	13				1	2		

#### **Labor Hours**

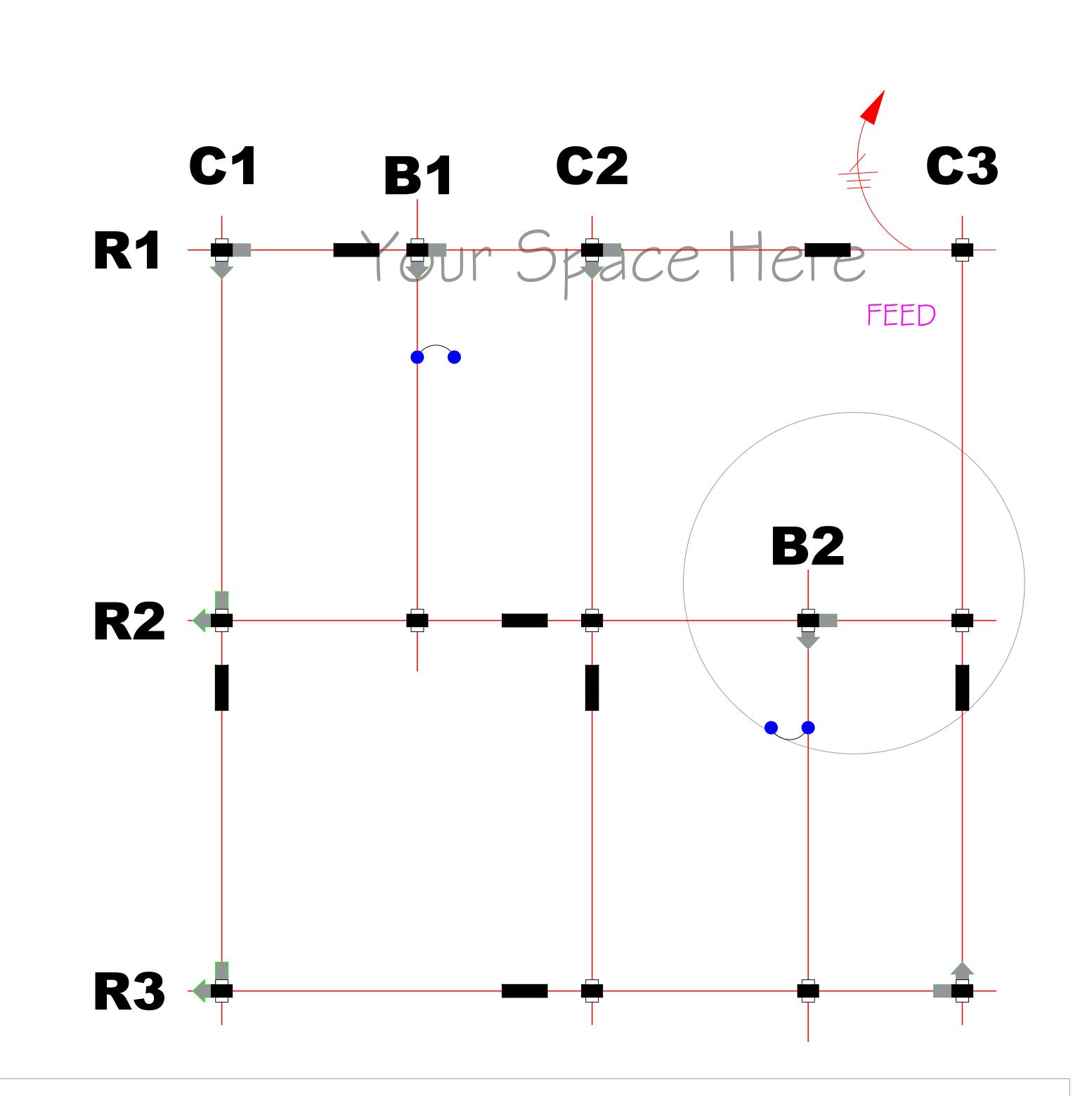
**busSTRUT** provides time-tested standard labor hours per part, which are then multiplied by the project's Bill of Materials.

	ITEMS	Qty.	U/M		STANDA LABOR mín		TOTAL HRS	
	LENGTHS	86	LF	X	2.75	hrs 60 0.05	=	4
E	JOINERS	7	EA	X	12	0.20	=	1
SYSIEM	HANGERS	9	EΑ	X	25	0.42	=	4
	CROSSOVERS	13	EA	X	10	0.17	=	2
OUSSTRUT	ATTACHMENTS	2	EA	х	8	0.13	=	0
7	JUMPERS	7	EA	X	6	0.10	=	1
	FEEDS	1	EA	х	15	0.25	=	0
					busSTRUT	SUB-TOTAL	=	12
rures	ACCENT		EA	х	8	0.13	=	0
FIX	LINEARS		EΑ	X	20	0.33	=	0
FIXTURE			-					

#### 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)



y Plan & Bill of Materials MEDIUM - Power Drops

BY STRUT

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ENGINEERING OR ELECTRICAL

BY DRAWINGS

SCALE 1" = 1'-0"

DRAWING NUMBER

**E-b1** 

