busSTRUT Shop Drawing Set 1 OVER 1 Express Grid (Medium) - 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.**

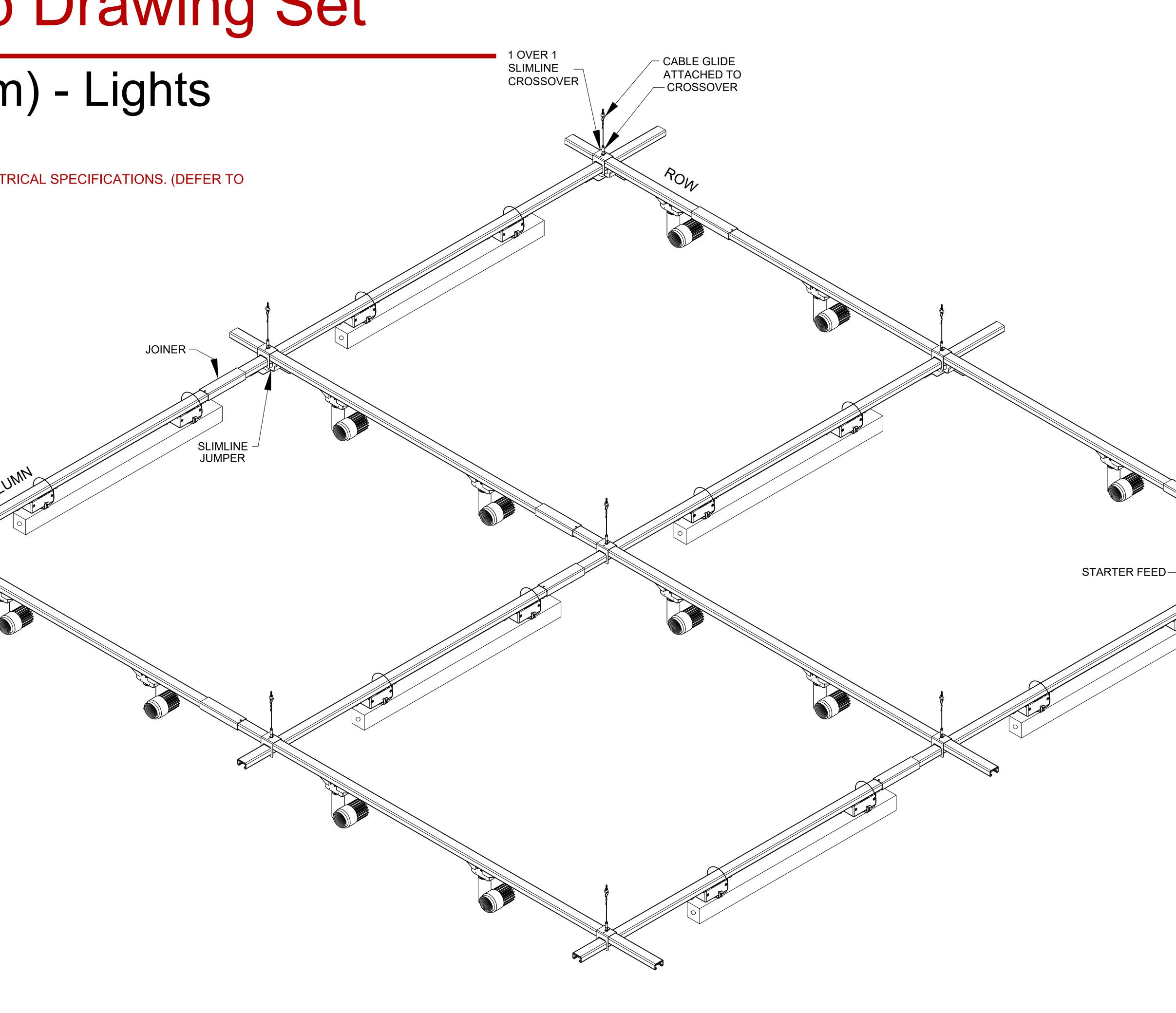
CONNECTION TO

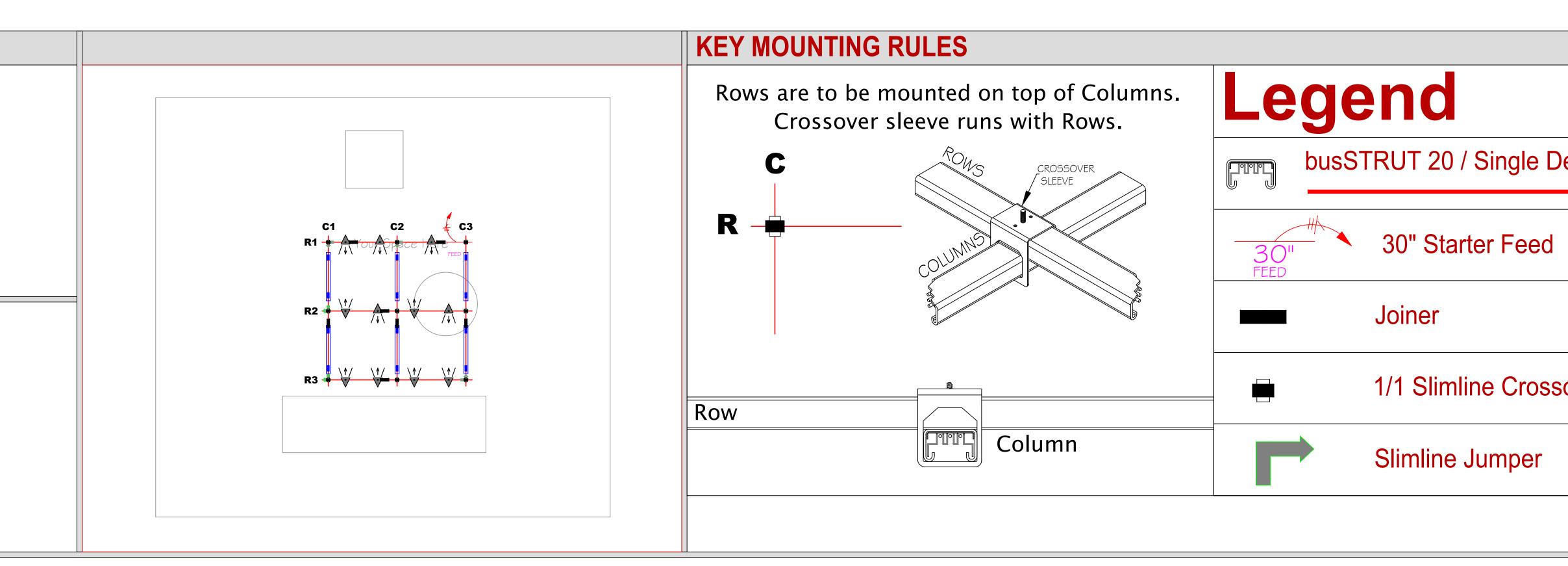
SUSPENDED WEIGHT.

STRUCTURE ATTACHMENT FROM busSTRUT SYSTEM TO STRUCTURE MUST BE ENGINEERED AND INSTALLED TO PROPERLY SUPPORT THE ENTIRE

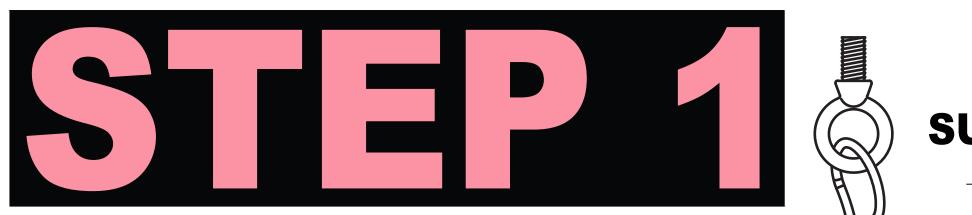
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TABLE OF CONTENTS							
E-b01 E-b02	Typical Installation Instructions						
E-b1 E-b2	Lighting Plan, BOM, & Labor Hours Assembly Plan						

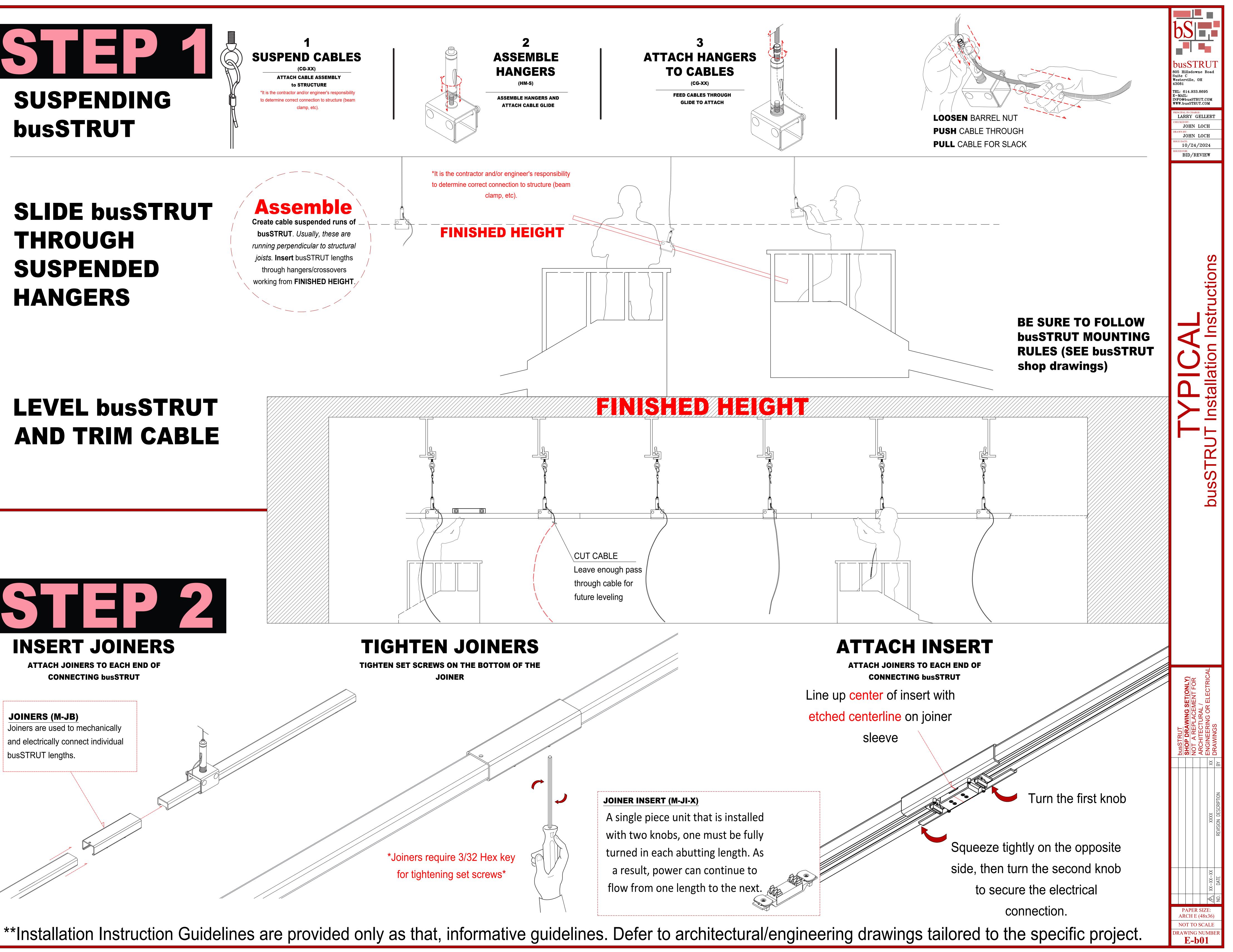




SOVER PAPER SIZE: ARCHE (48x36) NOT TO SCALE		805 Hillsdowne Road Suite C Westerville, OH 43081 TEL: 614.933.8695 E-MAIL: INFO@busSTRUT.COM WWW.busSTRUT.COM WWW.busSTRUT.COM WWW.busSTRUT.COM WWW.busSTRUT.COM UNICIPAL IN CHARGE: LARRY GELLERT CHECKED BY: JOHN LOCH DRAWN BY: JOHN LOCH ISSUE DATE: 10/24/2024
SOVER PAPER SIZE: ARCHE (48x36) NOT TO SCALE		busstrut Shop Drawing Set(only) NOT A REPLACEMENT FOR ARCHITECTURAL / ENGINEERING OR ELECTRICAL DRAWINGS
Image: Second		
COVER SHEET	sover	PAPER SIZE: ARCH E (48x36) NOT TO SCALE
		UVEK SHEET



SUSPENDING busSTRUT



SLIDE busSTRUT THROUGH SUSPENDED HANGERS

LEVEL busSTRUT AND TRIM CABLE



INSERT JOINERS

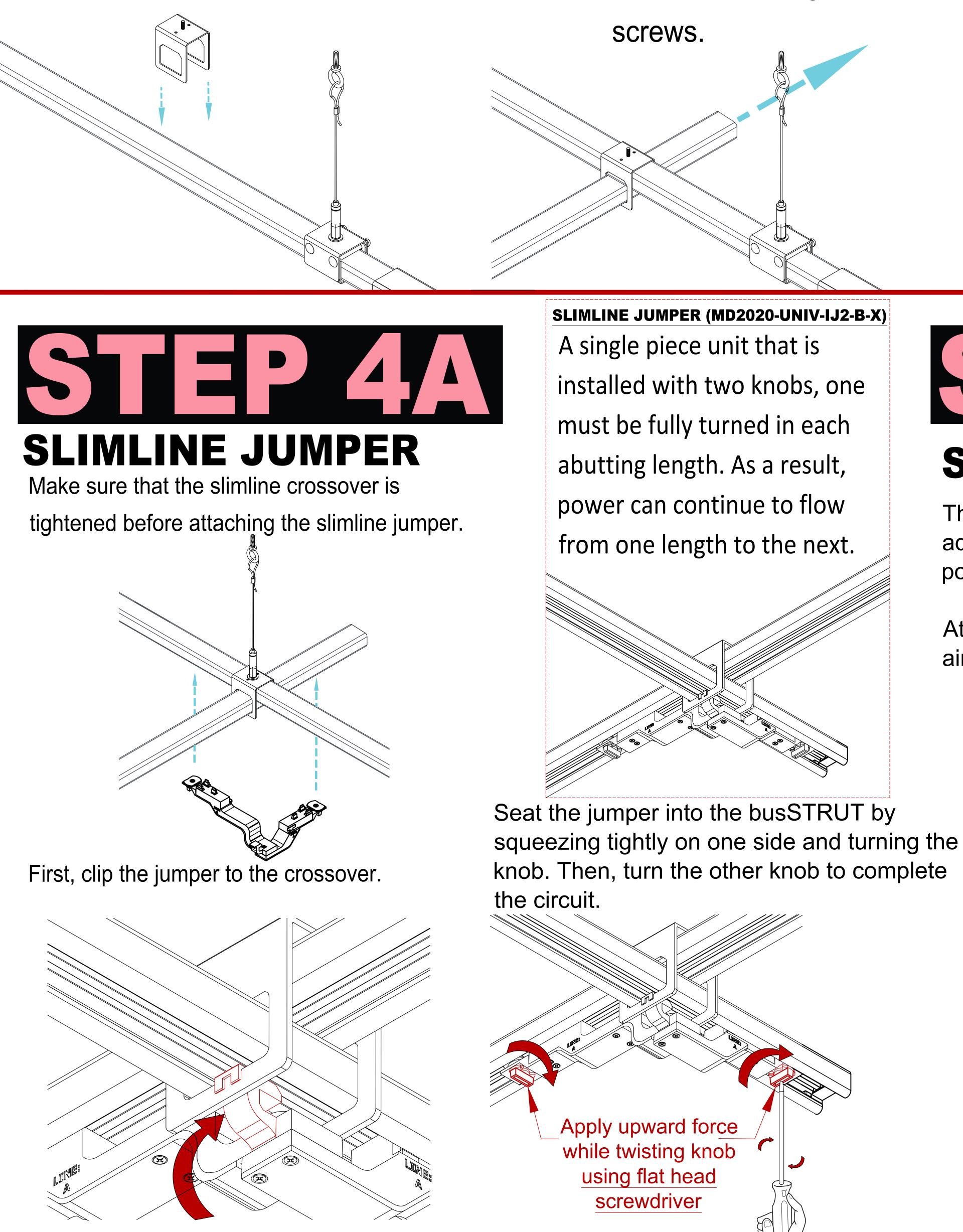
ATTACH JOINERS TO EACH END OF **CONNECTING busSTRUT**

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.

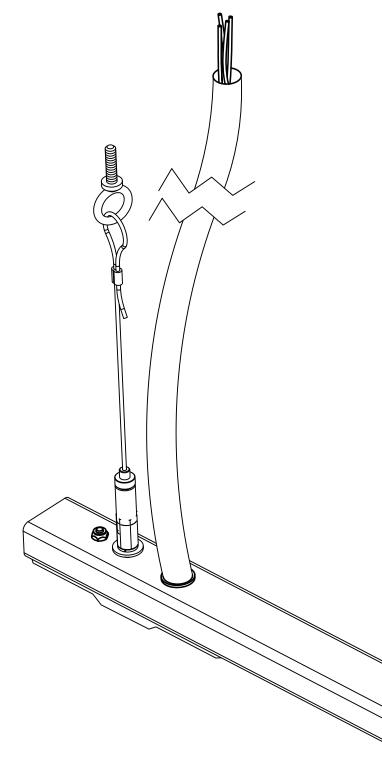
Slide perpendicular runs of busSTRUT through the crossover and tighten the set

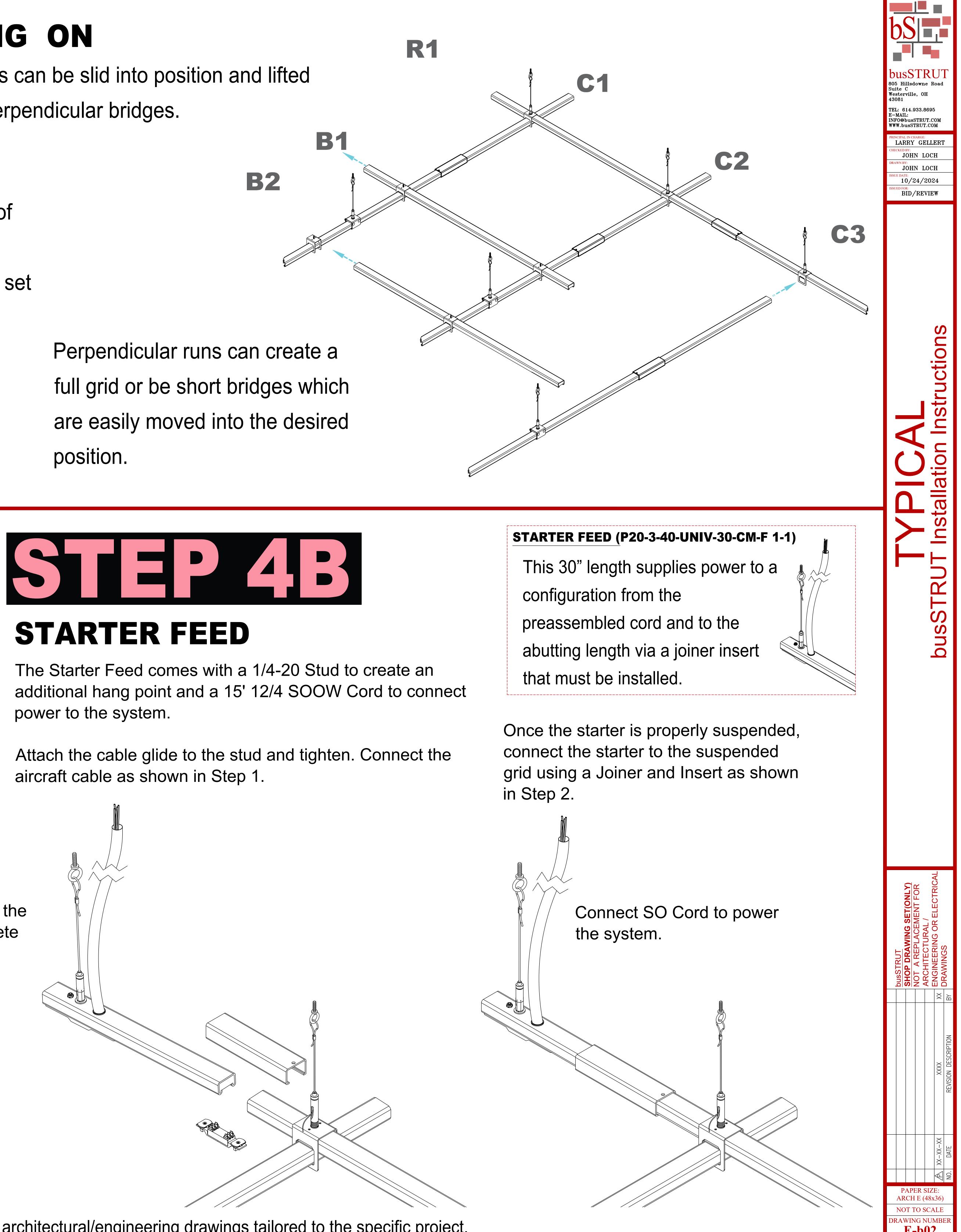
position.

STARTER FEED

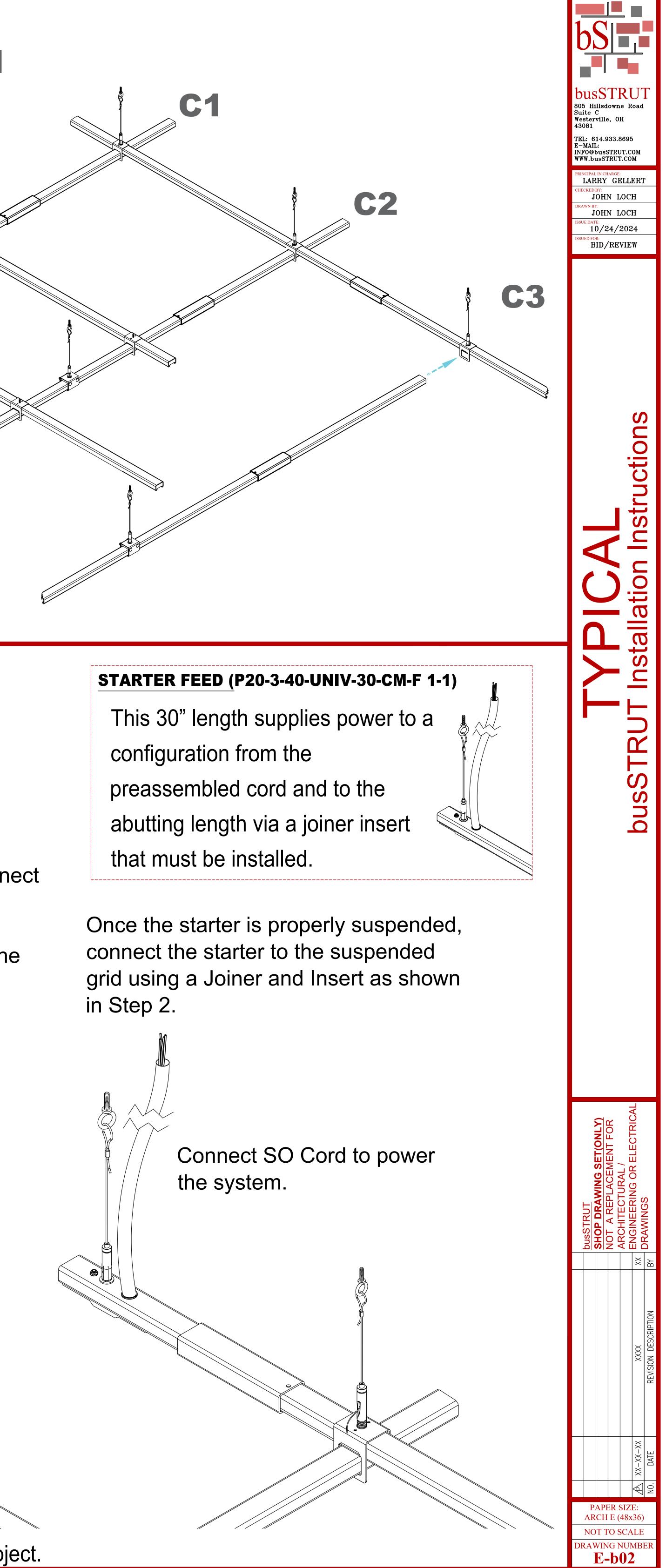
The Starter Feed comes with a 1/4-20 Stud to create an additional hang point and a 15' 12/4 SOOW Cord to connect power to the system.

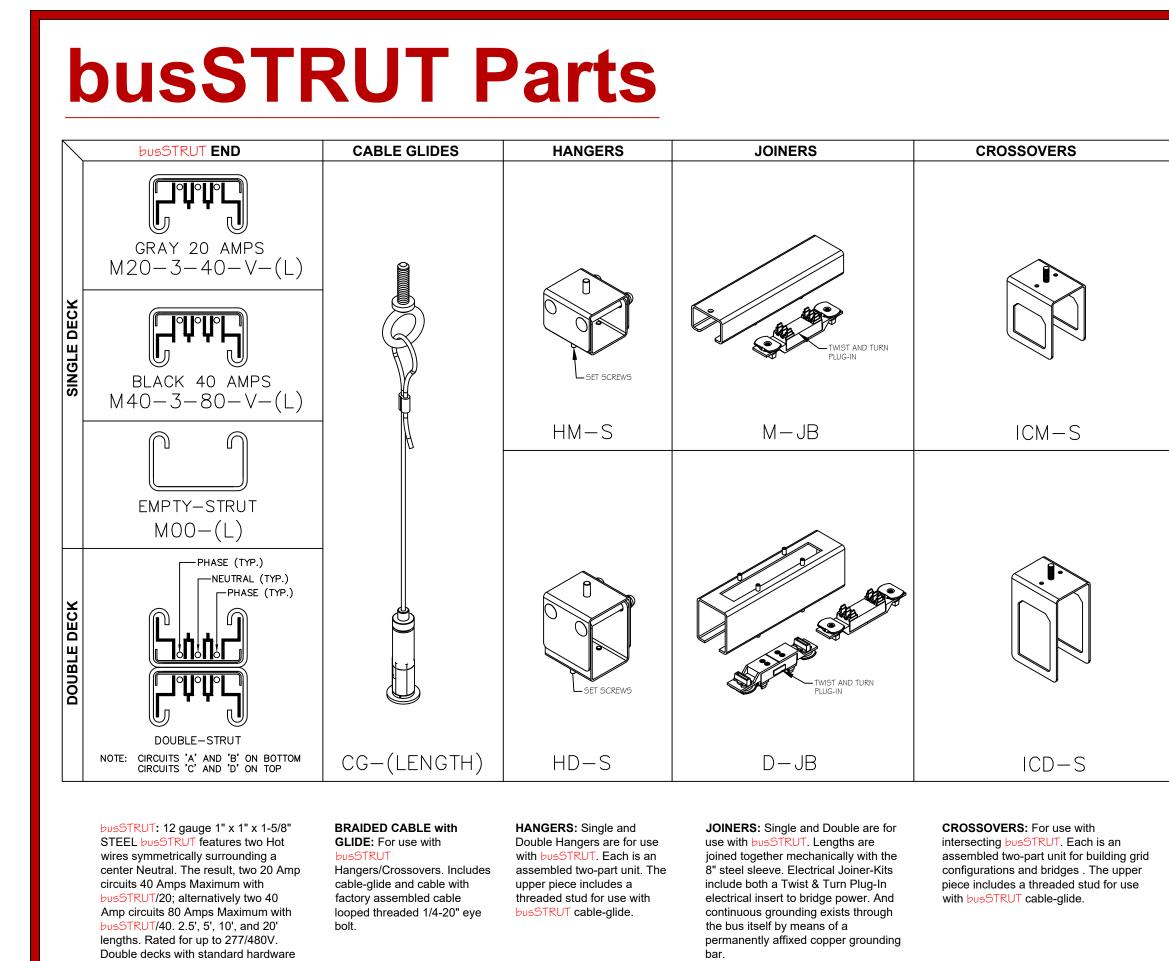
Attach the cable glide to the stud and tighten. Connect the aircraft cable as shown in Step 1.











Bill of Materials

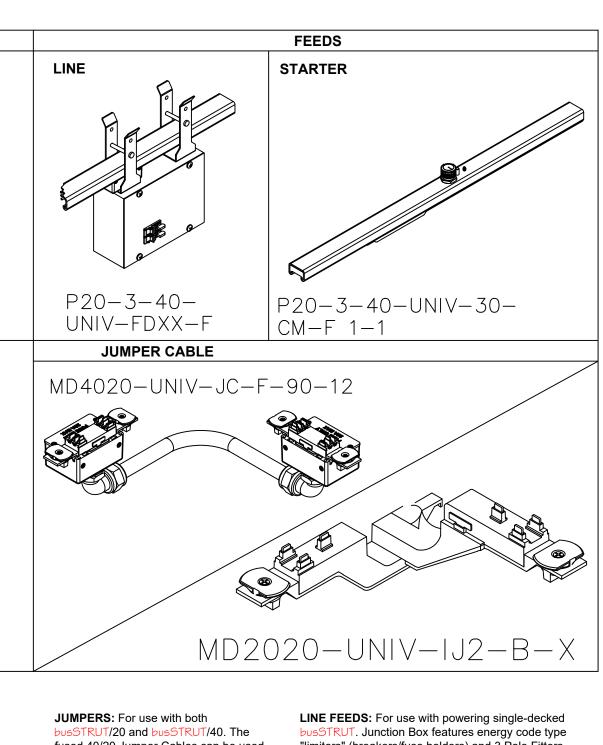
for trunking.

									busST	RUT B i	ll of Ma	aterials	5								
GRID Me	dium LT			Finish TBD:										Drawn By Checked By							
						Galvanized, White, or Black								Date		10/24	/2024				
	busSTRUT I							5		b	usSTRU1	[Hardwa	ire	-		busSTRUT POWER					
	busSTRU.			USSTRUT	20		Joii	ners	1	Hangers C-GI Xove		Xover	Jcord		Li	ine		GEN	ACT		
								INSERT	ECTRIC INSERT				JUMP CORD			STARTER FEED CENTER MOUNT	Breakered				
		-2B				ω	SINGLE	JOINER	NON-ELECTRIC JOINER INSERT	SINGLE)-12-GO2	×	ц ш	И- <mark>F</mark> 1-1		-WD-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	M20-3-40-277-10-F-2B	M-JB- <mark>F</mark> -X	M-JI-F-X	M-JI-F-NE	HM-S- <mark>F</mark> -ST-LFX	CG-E-15-B-GL	ICM-S-F-ST-X	MD4020-UNIV-JCF-90-12	MD2020-UNIV-IJ2-F-X	P20-3-40-UNIV-JK-NB-	P20-3-40-UNIV -30-CM	P40-3-60-UNIV-FD-F	BRL-4-40L-30K80-S1	BR-LUCY-U-309-30 -F -(OC)
R/C	Amps	LF	BF	2.5	3	5	7	10	М	INS	NE-INS	М	C-GI	1/1	12"	INVS	JK	30ST	40	GEN	ACT
Rows																					
RI	20	12	12	-			1		2	2			3	3				1			3
R2	20	12	12			1	1		1	1			3	3		1					4
R3	20	12	12			1	1		1	1			3	3		1					4
SUB T R/C	Amps	36 LF	36 BF	1 2.5	3	2 5	3	10	4 M	4 INS	NE-INS	M	9 C-Gl	9 1/1	12"	2 INVS	ЈК	1 30ST	40	GEN	11 ACT
Columns	Amps	L 1	Di	2.5	5			10	1.1	1110		11	C GI	±/±	12	11110	JK	5051	10	GEN	
CI	20	12	12			1	1		1	1						1				2	
C2	20	12	12			1	- 1		1	1						1				2	
С3	20	12	12	_		1	1		1	1						1				2	
SUB T	OTAL	36	36			3	3		3	3						3				6	
STORE	TOTAL	72.0	72.0	1		5	6		7	7			9	9		5		1		6	11

Labor Hours

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

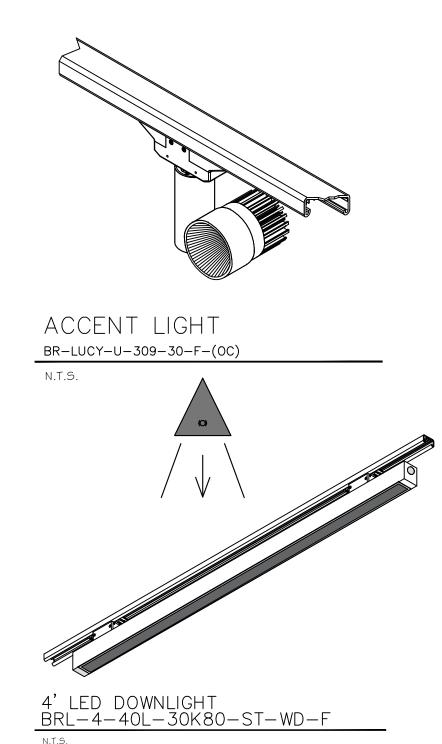
	Ьи	SS
ITEMS	Qty.	U
LENGTHS	72	
JOINERS	7	E
HANGERS	9	E
CROSSOVERS	9	E
ATTACHMENTS		-
JUMPERS	5	-
FEEDS	1	•
ACCENT	11	•
LINEARS	6	•
	Ьи	sST
	LENGTHS JOINERS HANGERS CROSSOVERS ATTACHMENTS JUMPERS FEEDS	ITEMS Qty. LENQTHS 72 JOINERS 7 HANGERS 9 CROSSOVERS 9 ATTACHMENTS 5 JUMPERS 5 FEEDS 1 ACCENT 11 LINEARS 6



fused 40/20 Jumper Cables can be used to electrically connect busSTRUT/40 Trunks to busSTRUT/20 Branches and/or electrically connecting busSTRUT/20 to busSTRUT/20.

"limiters" (breakers/fuse holders) and 3 Pole Fitters. Available up to 277/480V. Can be positioned anywhere along busSTRUT to reduce the lengths of homeruns. STARTER FEEDS: For use with powering single-decked busSTRUT. Utilized when no current limiting is required on the busSTRUT. Must be positioned at the beginning of a run.

Lights



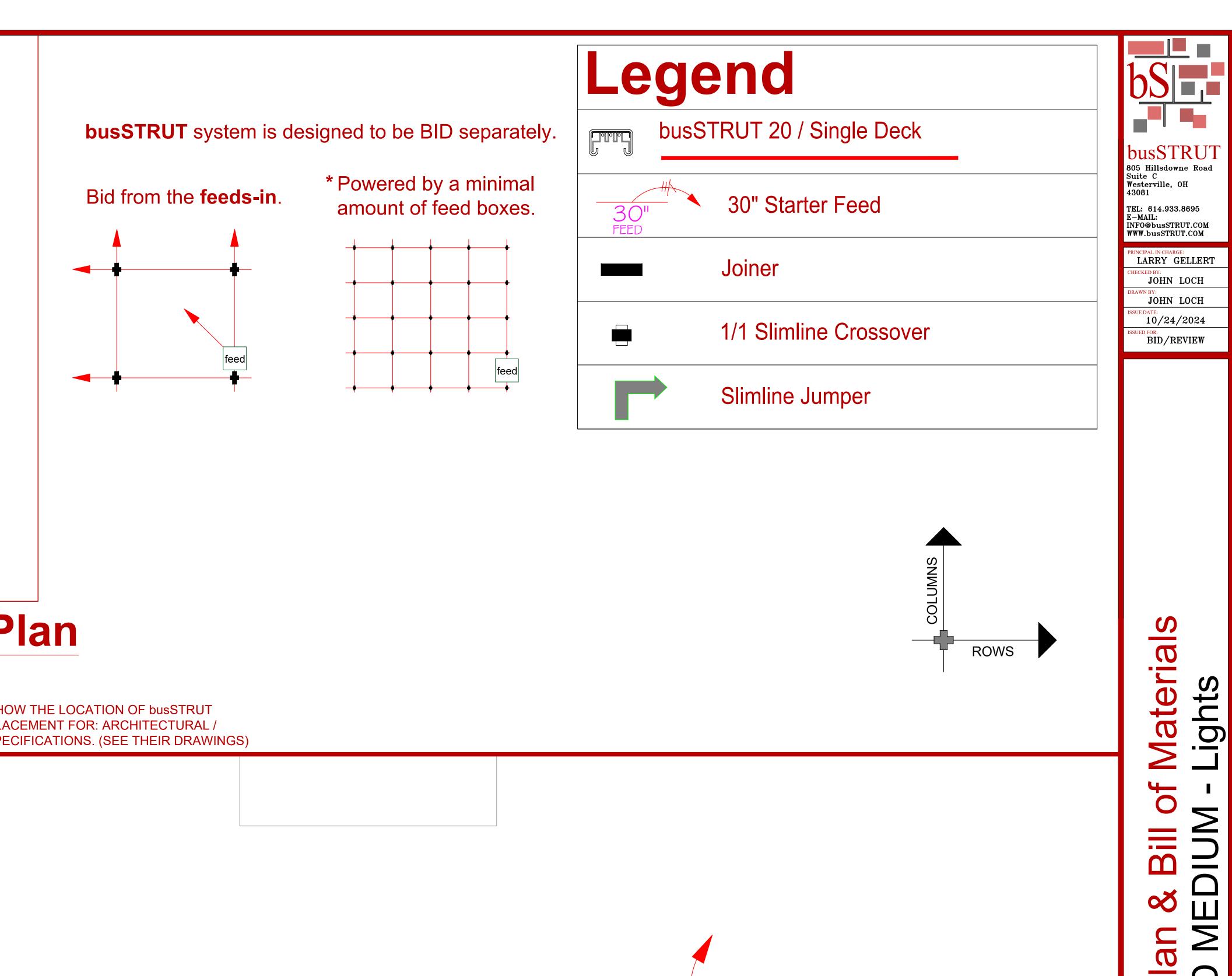
Lighting Plan

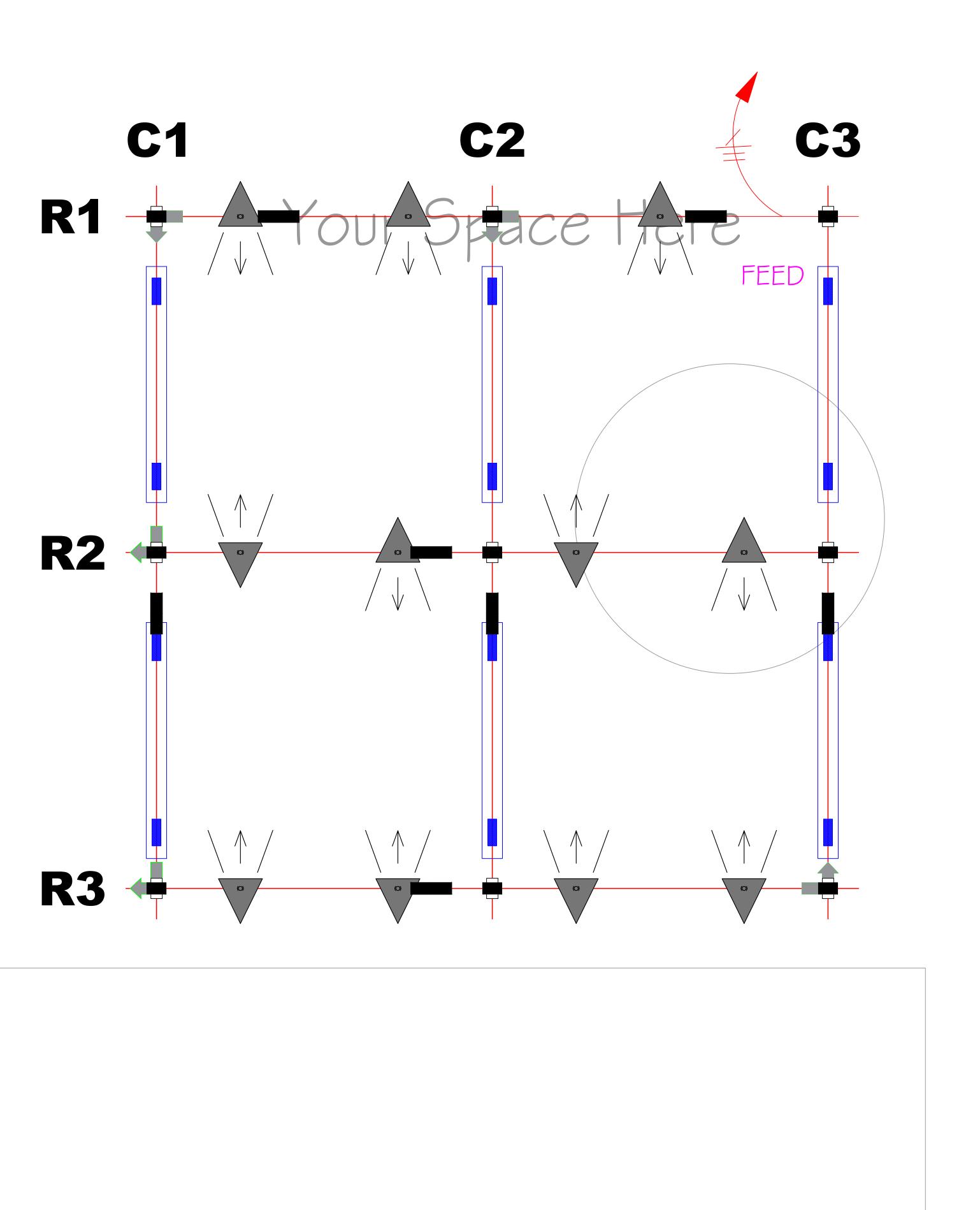
busSTRUT

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)

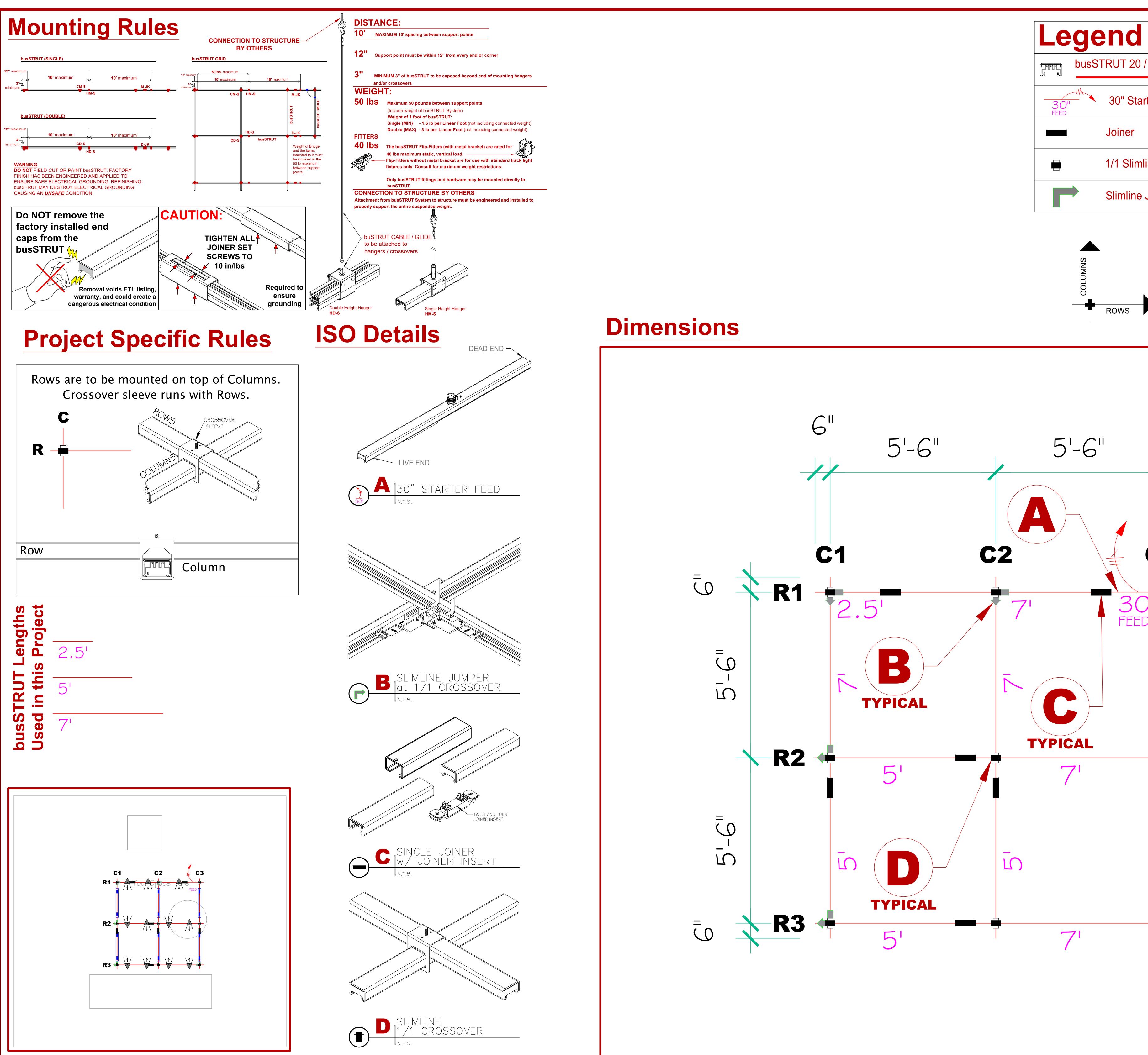
STRUT LABOR											
U/M			ARDIZED HOURS		TOTAL HRS						
		mín	hrs 60								
LF	x	2.75	0.05	=	3						
EA	x	12	0.20	=	1						
EA	x	25	0.42	=	4						
EA	x	10	0.17	=	2						
EA	х	8	0.13	=	0						
EA	x	6	0.10	=	1						
EA	x	15	0.25	=	0						
		busstrut	SUB-TOTAL	=	11						
EA	x	8	0.13	=	1						
EA	x	20	0.33	=	2						
STRU	TREAI	⊳Y LIGHTS	SUB-TOTAL	=	3						

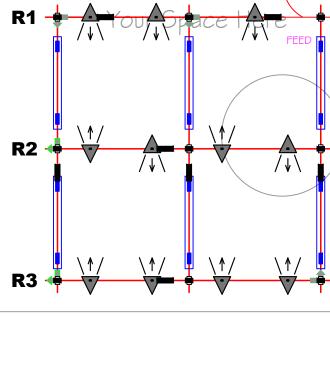
TOTAL TIME = 14

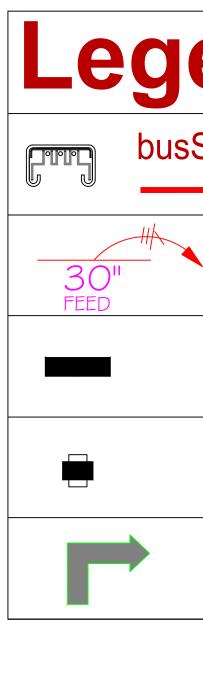




-ighting Lis GRID **/ING SET(ONLY)** ACEMENT FOR PAPER SIZE: ARCH E (48x36) SCALE 1" = 1'-0" DRAWING NUMBER **E-b1**







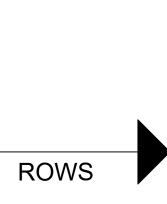
busSTRUT 20 / Single Deck

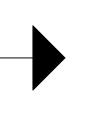
30" Starter Feed

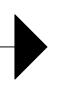
Joiner

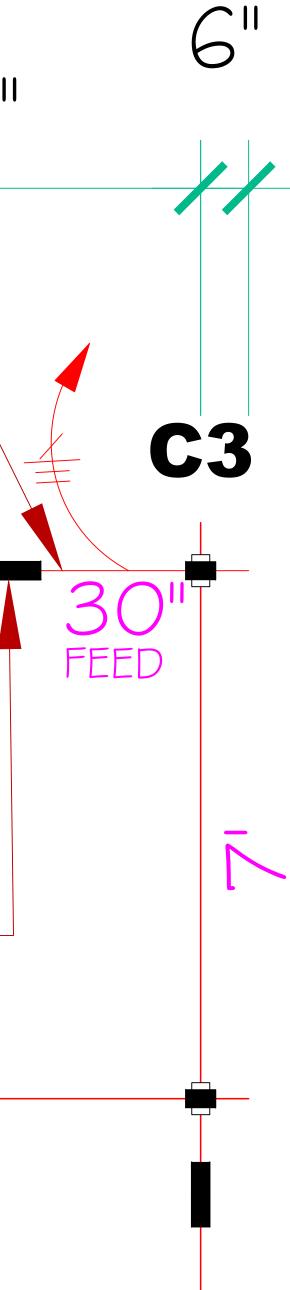
1/1 Slimline Crossover

Slimline Jumper











busSTRU7 805 Hillsdowne Road 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 10/24/2024 BID/REVIEW



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					XXXX	REVISION DESCRIPTION					
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					\forall	NO.					
PAPER SIZE: ARCH E (48x36)											
	SCALE 1" = 1'-0" DRAWING NUMBER										
E-b2											