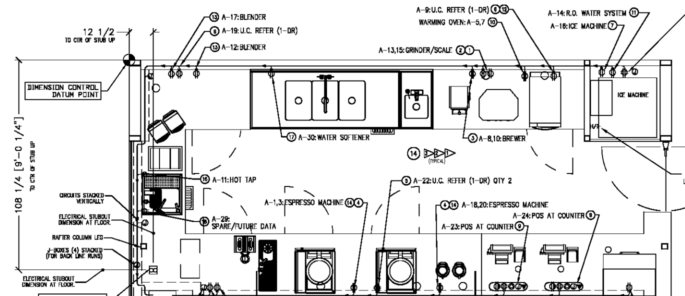
THE DRAWINGS ON THIS SHEET ARE PROTOTYPICAL AND ARE FOR CONSTRUCTION USE ONLY

RESPONSIBILITY LEGEND

GC	=	GENERAL CONTRACTOR PROVIDED AND INSTALLED
SB	=	PROVIDED BY CASEWORK VENDOR INSTALLED BY GENERAL CONTRACTOR
LC	=	PROVIDED BY KROGER INSTALLED BY GENERAL CONTRACTOR
CV	=	PROVIDED BY CASEWORK VENDOR INSTALLED BY CASEWORK VENDOR

GENERAL NOTES

1. REFER TO SITE SPECIFIC STARBUCKS PLANS ON SHEET I3.1.1, ARCHITECTURAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FURTHER SITE SPECIFIC INFORMATION.
2. REFER TO THE LOAD KING DRAWINGS FOR FURTHER PROTOTYPICAL INFORMATION.



TALL LH LSK1.5 - ELECTRICAL PLAN

SHOWN WITH COUNTERTOP FOODCASE AND AIRPOT BREWER

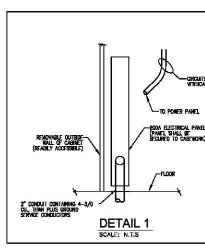
FURNISH AND INSTALL SEPARATE NEUTRALS FOR ALL GFI CIRCUITS TO PREVENT FALSE TRIPPING.

RUN ALL CONDUITS IN PROVIDED CHASE (TYPICAL)

NOTE: MANY ELECTRICAL CONDUITS MUST ENTER THRU SIDES OF PANEL. CONTRACTOR SHALL CONFIRM THAT BENDING RADIUS OF LEAD-IN SERVICE CONDUCTORS TO PANEL CAN BE ACHIEVED.

NOTE: ALL ELECTRICAL MUST BE DONE IN ACCORDANCE WITH LOCAL CODES.

WHERE "COORDINATE", "VERIFY" OR "CONFIRM" ARE NOTED, IT SHALL BE DONE BEFORE BID.



DETAIL 1

SCALE: N.T.S

POWER PLAN KEY NOTES

1. SCALE: PROVIDE RECEPTACLE @ 28" AFF (TO CENTER LINE- TYPICAL).
2. RETAIL GRINDER: PROVIDE RECEPTACLE @ 28" AFF.
3. BREWER: PROVIDE RECEPTACLE @ 28" AFF. CONFIRM BREAKER AND WIRE SIZE AND OUTLET REQUIREMENTS. CONTRACTOR TO PROVIDE A 30 AMP CORD CAP FOR THE BREWER, BRYANT OR EQUAL.(CONFIRM AMPERAGE).
4. FOR ESPRESSO MACHINE, FURNISH AND INSTALL NEMA 6-50R RECEPTACLE HUBBELL HBL9367 SERIES OR EQUAL AT 28" AFF. ROUTE 3/4" CONDUIT-(3) #8 FROM MACHINE BACK TO PANEL. FURNISH AND INSTALL NEMA 6-50P ANGLED PLUG, HUBBELL HBL9368 SERIES OR EQUAL.
5. NOT USED.
6. UNDERCOUNTER REFRIGERATOR -1 DOOR. PROVIDE RECEPTACLE @ 28" AFF.
7. ICE MACHINE (AIR COOLED): PROVIDE RECEPTACLE @ 49.5" AFF. (CONFIRM MOUNTING HEIGHT).
8. FOODCASE (SELF-CONTAINED 'MINI-B' OR COUNTERTOP PASTRY CASE): PROVIDE RECEPTACLE @ 28" AFF.
9. POS: FURNISH AND INSTALL DUPLEX ISOLATED-GROUNDING TYPE RECEPTACLE AT 28" AFF., INCLUDING GREEN GROUNDING WIRE AND ISOLATED GROUNDING WIRE BACK TO SERVING POWER PANEL PER CODE. FURNISH AND INSTALL (1) J-BOX FOR DATA OUTLET AND (1) J-BOX FOR PHONE OUTLET AT 18" AFF.
10. WARMING OVEN: FURNISH & INSTALL NEMA 6-30R RECEPTACLE @ 28" AFF.
11. R.O. WATER SYSTEM: RECEPTACLE @ 49.5" AFF.
12. NITRO GENERATOR: PROVIDE RECEPTACLE @ 28" AFF.
13. BLENDERS: PROVIDE RECEPTACLES @ 28" AFF.
14. CIRCUIT VOLTAGE SHALL BE AT VOLTAGE RECOMMENDED BY EQUIPMENT MANUFACTURERS. IF NEEDED, THE CONTRACTOR SHALL PROVIDE AND INSTALL BUCK-BOOST TRANSFORMERS TO BE LOCATED IN ACCESSIBLE LOCATIONS BELOW COUNTER WITHIN 6' OF THE ELECTRICAL PANEL. ACCEPTABLE TRANSFORMERS INCLUDE ACME. FURNISH AND INSTALL ANY ADDITIONAL O.C.P. NEEDED.
15. NOT USED
16. HOT TAP: PROVIDE RECEPTACLE AT 28" AFF.
17. WATER SOFTENER POWER: PROVIDE RECEPTACLE @ 28" A.F.F.
18. SPARE OUTLET (FUTURE DATA): PROVIDE RECEPTACLE AND EMPTY J-BOX @ 28" AFF.

POWER PLAN FLAG NOTES

1. PROVIDE ALL BRANCH CIRCUITING AND DEVICES. PROVIDE ALL WIRING AND WIRE QUANTITIES TO ACCOMPLISH CIRCUITING TO MEET SPEC REQUIREMENTS AND APPLICABLE CODES.
2. CONFIRM REQUIREMENTS. RUN ALL CONDUITS CONCEALED.
3. IF ANY CORD AND PLUG IS OBSTRUCTED BY CABINET PARTITIONS, PROVIDE ADDITIONAL OUTLET.

POWER PLAN GENERAL NOTES

A. FURNISH AND INSTALL A COMPLETE AND OPERATING SYSTEM. ALL ITEMS ARE NOT NECESSARILY SHOWN.
B. ELECTRICAL CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL FULL SCOPE OF WORK.
C. DIMENSIONS ARE TO FINISH FACE UNLESS OTHERWISE NOTED.
D. REFER TO DETAIL SHEETS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES.

ABBREVIATIONS

AHJ AUTHORITIES HAVING JURISDICTION.
F & I FURNISH & INSTALL
UNO UNLESS NOTED OTHERWISE

SYMBOLS

DUPLEX — SPECIAL PURPOSE OUTLET
QUADPLEX — JUNCTION BOX
DUPLEX DEDICATED ISOLATED — DATA
TELEPHONE

NOTES:
1. WIRE QUANTITIES AND SIZES ARE NOT SHOWN. FURNISH & INSTALL PER CODE WITH DEDICATED NEUTRALS FOR ALL GFI BREAKER PROTECTED CIRCUITS (TO PREVENT FALSE TRIPS). IN ADDITION, FURNISH AND INSTALL GROUND WIRE IN ALL PVC CONDUITS. ALL IS NEW UNLESS NOTED OTHERWISE.
2. SEE NOTES ON PANEL SCHEDULE CONFIRMING [illegible] CIRCUITS AND NEUTRALS.
3. NOT ALL CONDUITS/CIRCUITS CALLED FOR IN NOTES ARE SHOWN IN PLAN VIEW.

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NO.	E.C.N. NO.	REVISION	DATE:	BY.

PROPRIETARY INFORMATION DO NOT DUPLICATE ALL RIGHTS RESERVED
DIMENSIONS ARE IN INCHES TOLERANCES UNLESS NOTED FRAC. TOL. ± 1/32 DEC. TOL. ± .01 ANGULAR TOL. ± .5° DO NOT SCALE DRAWING

LK INDUSTRIES 1357 WEST BEAVER STREET P.O. BOX 40606 JACKSONVILLE, FL 32203-0606A DIVISION OF LOAD KING MFG.

ELECTRICAL STUB-UP,LSK1.5,LH,23FT — PART NO. ELECT-LSK1.5-LH-23FT — SHT: 1 of 4 — REV. 0 — SIZE: B — DRN. BY: AC — DATE: 8/14/2018 — SCALE: NO SCALE — DOCUMENT NO. ELECT-LSK1.5-LH-23FT

PANEL A

	VOLTAGE:	208 V/120V 3PH, 4W								MAIN LUGS ONLY:	200A					
	FED FROM:	CONFIRM WITH LANDLORD								AIC RATING:	EXCEED AVAILABLE					
	BUS:	200 AMP				B	R	L		LOCATION:	KIOSK					
NOTES	SERVES	TYPE LOAD	CKT BRKR AMP	POLE	CKT NO.	CKT LOAD	PHASE LOADS A	B	C	CKT LOAD	CKT NO.	CKT BRKR AMP	POLE	TYPE LOAD	SERVES	NOTES
GFI	ESPRESSO MACHINE (12694) PLUS PUMP	K	50	/2	1	3,145	7,944			4,799	2	[illegible]	/3	K		
		K	(CONFIRM)		3	3,145		7,944		4,799	4			K	NOT USED	
GFI	WARMING OVEN (12407)	K	30	/2	5	3,100			7,899	4,799	[illegible]			K		
		K			7	3,100	5,350			2,250	[illegible]	30	/2	K	AIRPOT BREWER – BUNN AXIOM (12504)	GFI
GFI	UC REFER – 1DR W/SHELF (12618) @ WARMING	K	20	/1	9	480		[illegible]		2,250	10			K		
GFI	HOT TAP (10874)	K	20	/1	11	1,296			3,096	1,800	12	20	/1	K	BLENDER – VITAMIX (12508)	GFI
GFI	SCALE	K	20	/1	13	180	[illegible]			320	14	20	/1	R	R/O WATER SYSTEM (13095)	GFI
GFI	GRINDER – DITTING KR1203 (10808)	K	20	/1	15	1,560		3,840		2,280	16	30	/1	K	ICE MACHINE – 586 LBS (19494)	GFI
GFI	BLENDER – VITAMIX (12508)	K	[illegible]	/1	17	[illegible]			[illegible]	3,145	18	50	/2	K	ESPRESSO MACHINE (12694) PLUS PUMP	GFI
GFI	UCR REFER – 1DR (10267) @ CBS	K	20	/1	19	[illegible]	3,625			3,145	20	(CONFIRM)		K		
GFI	SIGNS / UNDERCABINET LIGHTS / TRACK LIGHTS	L	20	/1	21	360		[illegible]		960	22	20	/1	K	UC REFER – 1DR (10267) @ ESPRESSO (QTY 2)	GFI
GFI	POS EQUIPMENT	NC	[illegible]	/1	23	600			1,200	600	24	20	/1	NC	POS EQUIPMENT	GFI
	OPEN				25		480			480	26	20	/1	K	UC REFER – 1DR FOR NITRO @ ESPRESSO	GFI
GFI	FOODCASE – 28IN (10916) OR FOODCASE LIGHT	K	15	[illegible]	27	1,468		2,188		720	28	20	/1	K	NITRO GENERATOR (18076) @ ESPRESSO	GFI
GFI	SPARE (FUTURE DATA) @ HANDOFF	NC	20	[illegible]	29	[illegible]			980	500	30	20	/1	R	WATER SOFTENER	GFI
					PHASE CONNECTED WATTS =		18,019	17,902	18,120							
					PHASE CONNECTED AMPS =		151	150	151							

		CONN. KVA	DEMAND FACTOR		DEMAND KVA	
TOTAL KITCHEN LOAD	=	51.19	X 0.65	=	33.28	
TOTAL LIGHTING LOAD	=	0.36	X 1.25	=	0.45	
TOTAL NON-CONT. LOAD	=	1.68	X 1.0	=	1.68	
TOTAL RECEPTACLE LOAD	=	0.82	X 1.0	=	0.82	UNDER 10KW
TOTAL CONTINUOUS LOAD	=	0.00	X 1.25	=	0.00	
TOTAL HVAC LOAD	=	0.00	X 1.0	=	0.00	
LARGEST MOTOR LOAD	=	0.00	X 1.25	=	0.00	
TOTAL KVA	=	55.1		=	36.3	
		CONN.			DEMAND AMPS	
TOTAL AMPS	=	151		=	101	@208V/120V 3PH, 4W

LOAD TYPE KEY:
K = KITCHEN LOAD
L = LIGHTING LOAD
NC = NON-CONTINUOUS LOAD
R = RECEPTACLE LOAD
CL = CONTINUOUS LOAD
H = HVAC LOAD
LM = LARGEST MOTOR LOAD

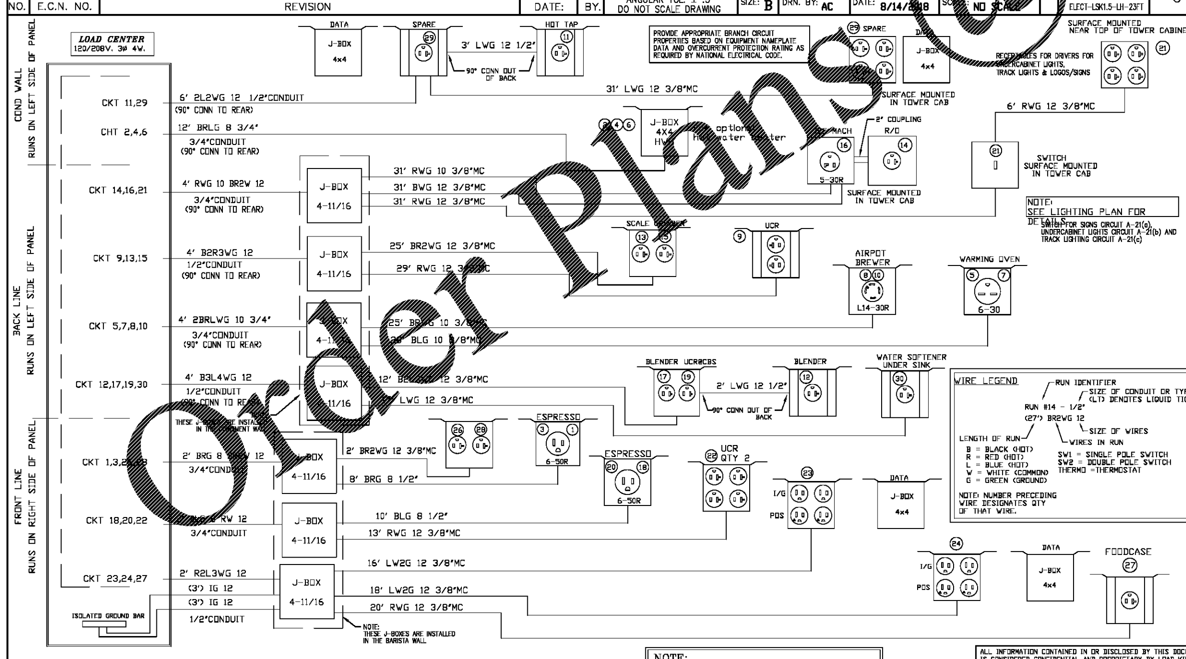
NOTES:
GFI – F&I GFI BREAKERS AND DEDICATED NEUTRALS FOR THESE CIRCUITS TO PREVENT FALSE TRIPPING. EQUIPMENT AIC RATINGS SHALL EXCEED THE AVAILABLE FAULT CURRENT. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH UTILITY PRIOR TO CONSTRUCTION. SYSTEM SHALL BE SERIES RATED IF NECESSARY TO LIMIT SHORT CIRCUIT CURRENT TO BELOW 22,000 AIC (FOR GFI BREAKERS). COORDINATE WITH LANDLORD.

PANEL SCHEDULE A

N.T.S.

NOTE: ALL ELECTRICAL MUST BE DONE IN ACCORDANCE WITH LOCAL CODES.

ELECTRICAL PANEL,LSK1.5,LH,23FT WITH AIRPOT BREWER — PART NO. ELECT-LSK1.5-LH-23FT — SHT: 2 of 4 — REV. 0 — SIZE: B — DRN. BY: AC — DATE: 8/14/2018 — SCALE: NO SCALE — DOCUMENT NO. ELECT-LSK1.5-LH-23FT



PROVIDE APPROPRIATE BRANCH CIRCUIT PROPERTIES BASED ON EQUIPMENT NAMEPLATE DATA AND OVERCURRENT PROTECTION RATING AS REQUIRED BY NATIONAL ELECTRICAL CODE.

NOTE: SEE LIGHTING PLAN FOR DETAILS

WIRE LEGEND
B = BLACK (HOT)
R = RED (HOT)
L = BLUE (HOT)
W = WHITE (COMMON)
G = GREEN (GROUND)
SW1 = SINGLE POLE SWITCH
SW2 = DOUBLE POLE SWITCH
THERMO = THERMOSTAT
NOTE: NUMBER PRECEDING WIRE DESIGNATES QTY OF THAT WIRE.

NOTE: THESE J-BOXES ARE INSTALLED IN THE BARISTA WALL

NOTE: ALL ELECTRICAL MUST BE DONE IN ACCORDANCE WITH LOCAL CODES.

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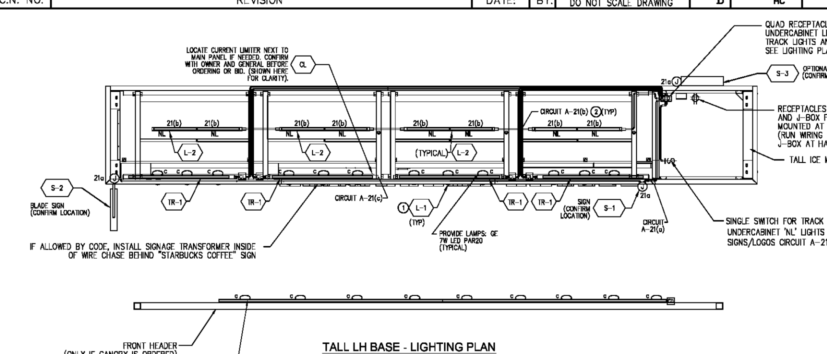
ELECTRICAL SCHEMATIC,LSK1.5,LH,23FT WITH AIRPOT BREWER — PART NO. ELECT-LSK1.5-LH-23FT — SHT: 3 of 4 — REV. 0 — SIZE: B — DRN. BY: AC — DATE: 8/14/2018 — SCALE: NO SCALE — DOCUMENT NO. ELECT-LSK1.5-LH-23FT



TALL LH BASE - LIGHTING PLAN

NOTE: ALL ELECTRICAL MUST BE DONE IN ACCORDANCE WITH LOCAL CODES.

LIGHTING PLAN KEY NOTES

1. ADJUST FOCUS OF ALL TRACK AND RECESSED DIRECTIONAL LIGHTING TO FULLY ILLUMINATE ALL ARTWORK, MENU BOARDS, AND MERCH BAYS TO STARBUCKS SATISFACTION.
2. UNDERCABINET LIGHTING TO BE CIRCUITED SO THAT ALL OF THE LIGHTS ARE "NL".
3. RUN ALL CONDUITS CONCEALED IF POSSIBLE (TYPICAL).

LIGHTING PLAN GENERAL NOTES

A. PROVIDE A COMPLETE AND OPERATING SYSTEM. ALL ITEMS ARE NOT NECESSARILY SHOWN.
B. CONFIRM ALL QUANTITIES IN SCHEDULE WITH THOSE IN PLAN VIEW.
C. ALL IS NEW UNLESS NOTED OTHERWISE.

COMMISSIONING REQUIREMENTS

THE CONTRACTOR SHALL FURNISH AND INSTALL LIGHTING CONTROLS THAT INCLUDE DAYLIGHT CONTROLS, AUTOMATIC SHUT-OFF CONTROLS, AND AUTOMATIC TIME SWITCHES WHERE NEEDED. TEST TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER AND STARBUCKS.

ENERGY CODE OPTION NOTE: INSTALL ONLY FIXTURES THAT ARE SHOWN WITH DARK LINES UNLESS SPACE CAN BE CLASSIFIED AS FOOD PREP AREA AND IS EXEMPT FROM THE ENERGY CODE. IF CLASSIFIED AS EXEMPT, DELETE THE CURRENT LIMITER AND INCLUDE OPTIONAL FIXTURES.

BRANCH CIRCUIT CONNECTIONS TO PANEL ARE NOT SHOWN.

IMPORTANT: THE ONLY ITEMS ON CURRENT LIMITER SHALL BE TRACK LIGHTING.

LIGHTING SCHEDULES: (INCLUDING OPTIONAL FIXTURES)

ITEM#	QTY	DESCRIPTION	MANUFACTURER	MODEL #	VOLTS	WATTS	AMPS	REMARKS	SKU #	SHIP
TRACK & TRACK FIXTURES										
L-1	12	TRACK FIXTURE-BLACK AVANT GARDE -FACET SERIES (w/7W LED LAMP)	JUNO TRAC-MASTER	T220BL	120	7W		GE 7W LED PAR20 LAMP -LED7PAR20B/L827/20 CONFIRM WITH STARBUCKS		
TR-1	4	TRACK BLACK 4'	JUNO TRAC-MASTER	T4BL	120					
C	AS NEEDED	TRAC CONTINUATION KIT -BLACK	JUNO TRAC-MASTER	T49BL				2-T34 CONDUIT FEEDS (L & R). FITS STANDARD 1/2" CONDUIT.		
CL	4	CURRENT LIMITER – BREAKER AND ENCLOSURE			120	120	1 AMP			
FIXTURES										
L-2	8	18" UNDERCABINET LIGHT-LED			120	7W				

SIGNAGE SCHEDULE: S-_

ITEM#	QTY	DESCRIPTION	MANUFACTURER	MODEL #	VOLTS	WATTS	AMPS	REMARKS
LOGOS								
S-1	1	STARBUCKS LETTERING 10" WORD MARK			120V (CONFIRM)		0.76A	
S-2	1	STARBUCKS 18" LOGO BLADE SIGN			120V (CONFIRM)		0.3 A	
S-3	1	STARBUCKS 18" LOGO DISK SIGN			120V (CONFIRM)		0.3 A	

WHERE "COORDINATE", "VERIFY" OR "CONFIRM" ARE NOTED, IT SHALL BE DONE BEFORE BID.

LIGHTING PLAN,LSK1.5,LH,23FT — PART NO. ELECT-LSK1.5-LH-23FT — SHT: 4 of 4 — REV. 0 — SIZE: B — DRN. BY: AC — DATE: 8/14/2018 — SCALE: NO SCALE — 32 — DOCUMENT NO. ELECT-LSK1.5-LH-23FT

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A DEVELOPMENT OF: THE KROGER COMPANY

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FIRE PROTECTION

ISSUE LOG

NO.	REV.	DESCRIPTION	DATE
1	-	PERMIT SET	12/06/18
2	-	BID SET	03/21/19

JOB:	SCALE:
2018041	NOT TO SCALE

SHEET NO.

I3.2.2

STARBUCKS KIOSK PROTOTYPICAL ELECTRICAL SHOP DRAWINGS

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