

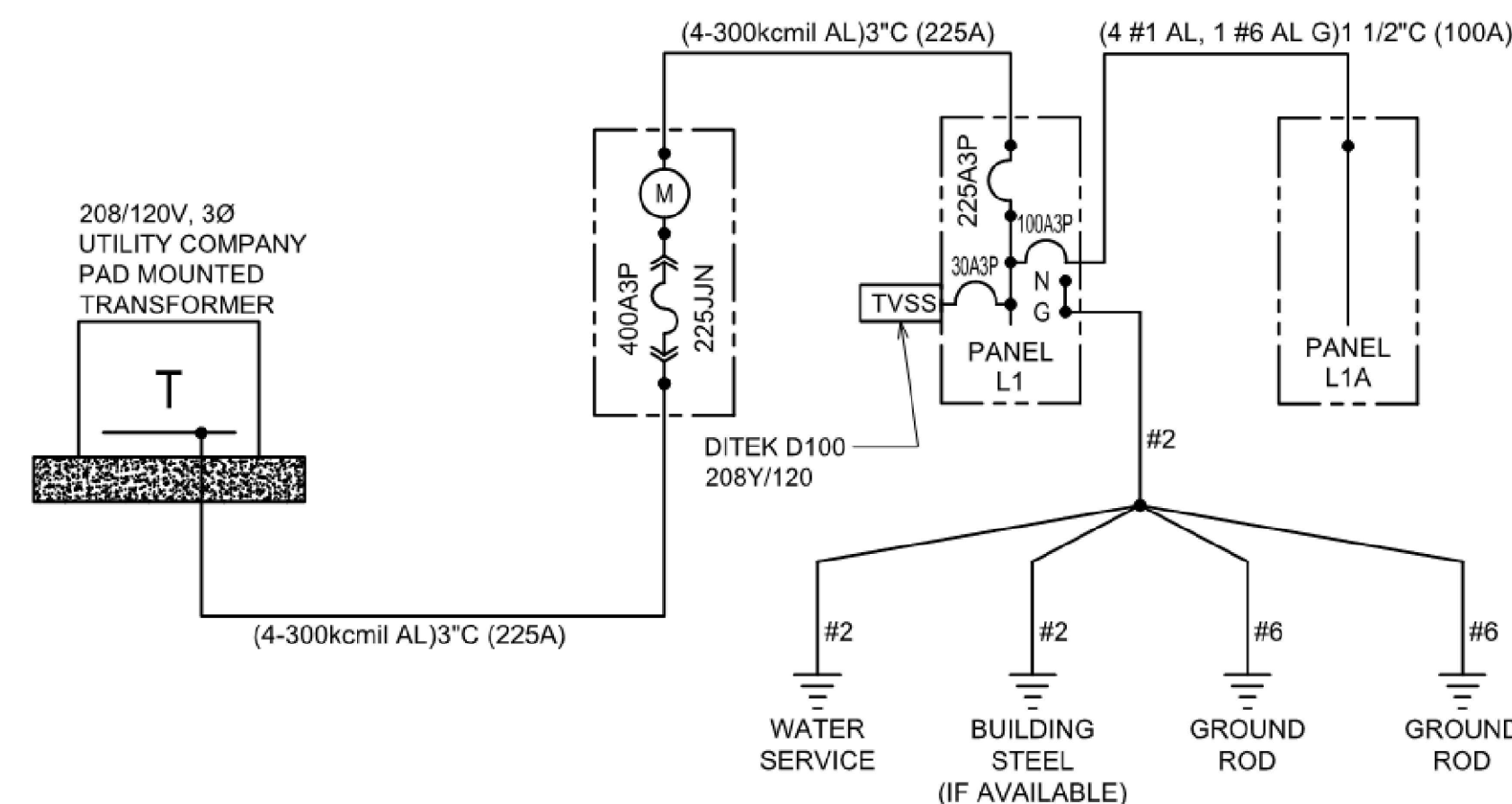
L1A (EXISTING)											
ROOM		VOLTS 208Y/120V 3P 4W			AIC 22,000						
MOUNTING SURFACE		BUS AMPS 100			MAIN BKR MLO						
FED FROM L1		NEUTRAL 100%			LUGS STANDARD						
NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	20/1	[DED] POS REC	0.36			2	20/1	[DED] FEATURE TABLE	0.18		
3	20/1	[DED] POS REC		0.36		4	20/1	[DED] FEATURE TABLE		0.18	
5	20/1	[DED] POS REC			0.36	6	20/1	TELE BACKBOARD RECEPTACLE			0.18
7	20/1	[DED] POS REC	0.36			8	20/1	TELE BACKBOARD RECEPTACLE	0.18		
9	20/1	POS GENERAL		1.08		10	20/1	TELE BACKBOARD RECEPTACLE		0.18	
11	20/1	PRINTER REC			0.18	12	20/1	MANAGER REC			0.36
13	20/1	SPACE	0			14	20/1	SPACE	0		
15	20/1	TCRT REC		0.18		16	20/1	SPACE		0	
17	20/1	[LD] REMO CHARGING			0.36	18	20/1	SPACE			0
19	20/1	DIGITAL MONITOR	0.18			20	20/1	SPACE	0		
21	20/1	SAFE REC		0.36		22	20/1	SPACE		0	
23	20/1	BOH GENERAL			0	24	20/1	SPACE			0
25	20/1	EWG REC	0.18			26	20/1	SPACE	0		
27	20/1	SPACE		0		28	20/1	SPACE		0	
29	20/1	SPACE			0	30	20/1	SPACE			0
TOTAL CONNECTED KVA BY PHASE									1.44	2.34	1.44
CONN KVA			CALC KVA			CONN KVA			CALC KVA		
LIGHTING	0	0	(125%)	CONTINUOUS	0	0	(125%)	HEATING	0	0	(N/A)
LARGEST MOTOR	0	0	(N/A)	COOLING	0	0	(N/A)	OTHER MOTORS	1.5	1.5	(100%)
OTHER MOTORS	0	0	(100%)	NONCONTINUOUS	0	0	(100%)	RECEPTACLES	5.22	5.22	(50%>10)
RECEPTACLES	5.22	5.22	(50%>10)	DIVERSE	0	0	(N/A)	KITCHEN EQUIP	0	0	(N/A)
KITCHEN EQUIP	0	0	(N/A)	METERED DEMAND	0	0	(125%)				
TOTAL KVA			5.22	TOTAL KVA			5.22	TOTAL KVA			45.4
BALANCED 3-PHASE AMPS			14.5	BALANCED 3-PHASE AMPS			14.5	BALANCED 3-PHASE AMPS			125

L1 (EXISTING)											
ROOM		VOLTS 208Y/120V 3P 4W			AIC 22,000						
MOUNTING SURFACE		BUS AMPS 225			MAIN BKR 225						
FED FROM UTILITY		NEUTRAL 100%			LUGS STANDARD						
NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	20/1	PLAN NORTH RECEPTACLE	1.08			2	20/1	[LD] FRONT DISPLAY	0.18		
3	20/1	PLAN NORTH RECEPTACLE		0.72		4	20/1	[LD] FRONT DISPLAY		0.18	
5	20/1	PLAN NORTH RECEPTACLE			1.08	6	20/1	[LD] SHOW WINDOW REC			0.72
7	20/1	SYSTEM WALL DIGITAL [LD] DISPLAY WALL, [LD] DISPLAY WALL	0.36			8	20/1	[LD] SHOW WINDOW REC	0.36		
9	20/1	PLAN WEST RECEPTACLE		0.54		10	20/1	WH-1		1.5	
11	20/1	PLAN WEST RECEPTACLE			0.72	12	20/1	MICROWAVE REC			1.5
13	20/1	PLAN EAST RECEPTACLE	0.72			14	20/1	[LD] FRIDGE	1.5		
15	20/1	SPACE		0		16	20/1	HAND DRYER		1.5	
17	20/1	[LD] SYSTEM WALL REC			1.08	18	20/1	RECEPTACLE			0.72
19	20/1	[LD] SYSTEM WALL REC	0.9			20	20/1	SPACE	0		
21	20/1	SALES CLEANING RECEPTACLE		0.72		22	20/1	SPACE		0	
23	20/1	BOH EM-INV, LIGHTING			0.666	24	20/1	SPACE			0
25	20/1	SALES EM-INV, LIGHTING	0.972			26	100/3	PANEL L1A	1.44		
27	20/1	WALL DISPLAY LIGHTING		0.962		28				2.34	
29	20/1	[EXIST] EXTERIOR SIGNAGE			1.2	30					1.44
31	20/1	[EXIST] EXTERIOR LIGHTING	0.056			32	20/3	TVSS	0.06		
33	20/1	[EXIST] EXTERIOR LIGHTING		0.54		34				0.06	
35	20/1	[EXIST] RTU REC. DUCT DETECTOR			0.54	36					0.06
37	40/3	[EXIST] RTU-1	3.17			38	40/3	[EXIST] RTU-2	3.17		
39				3.17		40				3.17	
41					3.17	42					3.17
TOTAL CONNECTED KVA BY PHASE									14	15.4	16.1
CONN KVA			CALC KVA			CONN KVA			CALC KVA		
LIGHTING	4.4	5.5	(125%)	CONTINUOUS	2.04	2.55	(125%)	HEATING	0	0	(N/A)
LARGEST MOTOR	9.5	2.38	(25%)	COOLING	19	19	(100%)	OTHER MOTORS	1.5	1.5	(100%)
OTHER MOTORS	1.5	1.5	(100%)	NONCONTINUOUS	0	0	(100%)	RECEPTACLES	18.5	14.2	(50%>10)
RECEPTACLES	18.5	14.2	(50%>10)	DIVERSE	0	0	(N/A)	KITCHEN EQUIP	0	0	(N/A)
KITCHEN EQUIP	0	0	(N/A)	METERED DEMAND	0	0	(125%)				
TOTAL KVA			45.4	TOTAL KVA			45.2	TOTAL KVA			125
BALANCED 3-PHASE AMPS			125	BALANCED 3-PHASE AMPS			125	BALANCED 3-PHASE AMPS			125

REMARKS:
[LCP] LIGHTING CONTROL PANEL
[LD] PROVIDE LOCK-ON DEVICE
[LO] PROVIDE LOCK-OFF DEVICE
[DED] DEDICATED GROUND

B2 PANEL SCHEDULES
NTS

DIAGRAM BASED ON INFORMATION AVAILABLE AT TIME OF DESIGN.
FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO ROUGH-IN.
CONTACT ENGINEER IF CONDITIONS ARE DIFFERENT THAN AS SHOWN PRIOR TO COMMENCING WORK



NOTE:
SINGLE LINE FROM LL DRAWINGS DATED 5/5/2017. PROJECT #201733

A1 ONE LINE DIAGRAM
NTS

GENERAL NOTES

NOTE REGARDING EXAMINATION OF PREMISES/FIELD CONDITIONS:

DESIGN DRAWINGS ARE SCHEMATIC. ONCE ONSITE GENERAL CONTRACTOR IS TO INSPECT EXISTING FIELD CONDITIONS AND FAMILIARIZE HIMSELF WITH ANY CONDITIONS THAT MAY AFFECT HIS WORK IN ANY MANNER PRIOR TO START OF CONSTRUCTION.

IF THE GENERAL CONTRACTOR FINDS THAT THERE ARE DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE INFORMATION SHOWN ON THESE DRAWINGS, GC IS TO NOTIFY THE TENANT'S REPRESENTATIVE AND ARCHITECT OF THOSE DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.

RFI SHALL BE SUBMITTED FOR ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

NOTE REGARDING ELECTRICAL DISTRIBUTION SYSTEM:

THE ELECTRICAL RISER DIAGRAM INDICATED HAS BEEN PROPERLY DESIGNED TO ACCOMMODATE TENANT'S POWER REQUIREMENTS AND MEETS ALL APPLICABLE BUILDING CODES. IT IS THE RESPONSIBILITY OF THE GC TO VERIFY ALL EXISTING CONDITIONS AND DETERMINE IF ANY EXISTING EQUIPMENT AND WIRING IS SUITABLE FOR REUSE IN THE SYSTEM PRIOR TO START OF CONSTRUCTION.

ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO RESULT IN A COMPLETE AND LEGAL INSTALLATION INCLUDING THE UPGRADING AND/OR MODIFICATION OF THE EXISTING SERVICE FEEDERS, CONDUITS AND TAP-INS EXTENDED TO PROPER POINT OF ORIGIN AS COORDINATED WITH THE LANDLORD.

- GENERAL CONTRACTOR TO VERIFY ALL METERING REQUIREMENTS WITH LANDLORD AND UTILITY PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR TO VERIFY EXACT DISTANCE AND ROUTING OF SERVICE FEEDERS FROM LANDLORD DISTRIBUTION/SERVICE ENTRANCE EQUIPMENT TO TENANT SPACE.
- PROVIDE COMPLIANCE WITH NEC 110.26 "SPACES ABOUT ELECTRICAL EQUIPMENT"
- PROVIDE COMPLIANCE WITH NEC 408.4 "CIRCUIT DIRECTORY OR CIRCUIT IDENTIFICATION"
- IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO PROPERLY BALANCE ALL BRANCH CIRCUITS BETWEEN THE PHASES OF THE SYSTEM, REGARDLESS OF THE CIRCUITING INDICATED.
- "ALL LOW VOLTAGE WIRING TO BE IN CONDUIT UNLESS OTHERWISE APPROVED BY AUTHORITY HAVING JURISDICTION."
- GENERAL CONTRACTOR SHALL VERIFY ANY THIRD PARTY INSPECTIONS REQUIRED BY THE LOCAL JURISDICTION PRIOR TO START OF CONSTRUCTION.

TVSS SCHEDULE

DESCRIPTION	MODEL
EATON SPC SERIES	SPC100208Y3P
TVSS IS OWNER FURNISHED, GC INSTALLED AS PART OF THE LIGHTING PACKAGE SUPPLIED BY EDSS (ENERGY DESIGN SERVICE SYSTEMS) CONTACT: MICHAEL NORDLOH 810.227.3377 MNORDLOH@EDSSENERGY.COM	

Firm's License #

State License #

#	DESCRIPTION	DATE
1	BUILDING DEPARTMENT	7/26/17

US HWY 50 & CLUB MANOR DR
908 W US HWY 50

PUEBLO, CO 81008

ELECTRICAL PANELS

MDC
CORPORATE - RELO
686
DESIGN DEVELOPMENT

DATE: 12/21/2017
SCALE: NO SCALE
DRAWN BY: XXX
PROJECT No.: TMO384
SHEET:

E301