

MAINS 150A MLD  
VOLTAGE 120/208  
PHASE 3 PHASE - 4 WIRE  
MOUNTING FLUSH

PANEL 'F1'  
DATA SHEET

LOAD DESCRIPTION	RECEP LD	MECH LD	LIGHT LD	WIRE SIZE	CIRCUIT AMP	POL.	CIRCUIT NUMBER	PHASE	CIRCUIT NUMBER	CIRCUIT AMP	POL.	WIRE SIZE	LIGHT LD (VA)	MECH LD (VA)	RECEP LD (VA)	LOAD DESCRIPTION
SOUTH GALLERY RECEPTACLES	1260			#12	20	1	1	A	2	2	20	#12		957		FAN COILS 7-11, BRANCH SELECTOR -3
SOUTHWEST GALLERY RECEPTACLES	900			#12	20	1	3	B	4	2	20	#12		957		FAN COILS 7-11, BRANCH SELECTOR -3
SOUTHWEST GALLERY RECEPTACLES	1080			#12	20	1	5	C	6	1	20	#12			1080	NORTHWEST GALLERY RECEPTACLES
SOUTHWEST GALLERY RECEPTACLES	720			#12	20	1	7	A	8	1	20	#12				NORTHWEST GALLERY RECEPTACLES
SOUTHWEST GALLERY RECEPTACLES	900			#12	20	1	9	B	10	1	20	#12				CENTER GALLERY RECEPTACLES
SOUTHWEST GALLERY RECEPTACLES	720			#12	20	1	11	C	12	1	20	#12				CENTER GALLERY RECEPTACLES
OFFICE RECEPTACLES	1080			#12	20	1	13	A	14	1	20	#12				LOBBY RECEPTACLES
NORTHWEST GALLERY RECEPTACLES	1080			#12	20	1	15	B	16	1	20	#12				LOBBY RECEPTACLES
NORTHWEST GALLERY RECEPTACLES	1080			#12	20	1	17	C	18	1	20	#12				SOUTHWEST GALLERY RECEPTACLES
NORTHWEST GALLERY RECEPTACLES	1080			#12	20	1	19	A	20	1	20	#12				SOUTHWEST GALLERY RECEPTACLES
NORTHWEST GALLERY RECEPTACLES	900			#12	20	1	21	B	22	1	20	#12				CENTER GALLERY RECEPTACLES
NORTH GALLERY RECEPTACLES	900			#12	20	1	23	C	24	1	20	#12				CENTER GALLERY RECEPTACLES
SOUTH GALLERY LIGHTS			513	#12	20	1	25	A	26	1	20	#12				WINDOW SHADES
SOUTH GALLERY LIGHTS			1449	#12	20	1	27	B	28	1	20	#12				SPARE
NORTHWEST GALLERY LIGHTS			1338	#12	20	1	29	C	30	1	20	#12				SPARE
NORTHWEST GALLERY LIGHTS			1657	#12	20	1	31	A	32	1	20	#12				SPARE
LOBBY LIGHTS			1224	#12	20	1	33	B	34	1	20	#12				SPARE
SPARE				#12	20	1	35	C	36	1	20	#12				SPARE
SPARE				#12	20	1	37	A	38	1	20	#12				SPARE
SPARE				#12	20	1	39	B	40	1	20	#12				SPARE
SPARE				#12	20	1	41	C	42	1	20	#12				SPARE
SPARE				#12	20	1	43	A	44	1	20	#12				SPARE
SPARE				#12	20	1	45	B	46	1	20	#12				SPARE
SPARE				#12	20	1	47	C	48	1	20	#12				SPARE
SPARE				#12	20	1	49	A	50	1	20	#12				SPARE
SPARE				#12	20	1	51	B	52	1	20	#12				SPARE
SPARE				#12	20	1	53	C	54	1	20	#12				SPARE
SPARE				#12	20	1	55	A	56	1	20	#12				SPARE
SPARE				#12	20	1	57	B	58	1	20	#12				SPARE
SPARE				#12	20	1	59	C	60	1	20	#12				SPARE

CONNECTED LOAD (VA)

LIGHTING: 6181

RECEPTACLE: 19560

MECHANICAL: 1914

LARGEST MOTOR: 0

TOTAL LOAD: 27655

DEMAND LOAD (VA)

7726

14780

1914

0

24420

TOTAL FDR PHASE A: 9787

TOTAL FDR PHASE B: 9030

TOTAL FDR PHASE C: 8838

MAXIMUM IMBALANCE: 10%

MIN. FEEDER AMPACITY: 68

MAINS 225A MLD  
VOLTAGE 120/208  
PHASE 3 PHASE - 4 WIRE  
MOUNTING FLUSH

PANEL 'F2'  
DATA SHEET

LOAD DESCRIPTION	RECEP LD	MECH LD	LIGHT LD	WIRE SIZE	CIRCUIT AMP	POL.	CIRCUIT NUMBER	PHASE	CIRCUIT NUMBER	CIRCUIT AMP	POL.	WIRE SIZE	LIGHT LD (VA)	MECH LD (VA)	RECEP LD (VA)	LOAD DESCRIPTION
GENERAL RECEPTACLES	900			#12	20	1	1	A	2	3	20	#12		2064		ENERGY RECOVERY VENTILATOR - 2
LIGHTS			268	#12	20	1	3	B	4	3	20	#12		2064		ENERGY RECOVERY VENTILATOR - 2
SPARE				#12	20	1	5	C	6	3	20	#12		2064		ENERGY RECOVERY VENTILATOR - 2
SPARE				#12	20	1	7	A	8	3	30	#10		2667		ERV-ELECTRIC HEATER - 2
SPARE				#12	20	1	9	B	10	3	30	#10		2667		ERV-ELECTRIC HEATER - 2
SPARE				#12	20	1	11	C	12	3	30	#10		2667		ERV-ELECTRIC HEATER - 2
SPARE				#12	20	1	13	A	14	2	20	#12		998		FAN COILS 12-14.6, BRANCH SELECTOR - 4
SPARE				#12	20	1	15	B	16	2	20	#12		998		FAN COILS 12-14.6, BRANCH SELECTOR - 4
SPARE				#12	20	1	17	C	18	2	20	#12		822		FAN COILS 15.17-19, BRANCH SELECTOR - 5
SPARE				#12	20	1	19	A	20	2	20	#12		822		FAN COILS 15.17-19, BRANCH SELECTOR - 5
SPARE				#12	20	1	21	B	22	1	20	#12				SPARE
SPARE				#12	20	1	23	C	24	1	20	#12				SPARE
SPARE				#12	20	1	25	A	26	1	20	#12				SPARE
SPARE				#12	20	1	27	B	28	1	20	#12				SPARE
SPARE				#12	20	1	29	C	30	1	20	#12				SPARE
SPARE				#12	20	1	31	A	32	1	20	#12				SPARE
SPARE				#12	20	1	33	B	34	1	20	#12				SPARE
SPARE				#12	20	1	35	C	36	1	20	#12				SPARE
SPARE				#12	20	1	37	A	38	1	20	#12				SPARE
SPARE				#12	20	1	39	B	40	1	20	#12				SPARE
SPARE				#12	20	1	41	C	42	1	20	#12				SPARE
SPARE				#12	20	1	43	A	44	1	20	#12				SPARE
SPARE				#12	20	1	45	B	46	1	20	#12				SPARE
SPARE				#12	20	1	47	C	48	1	20	#12				SPARE
SPARE				#12	20	1	49	A	50	1	20	#12				SPARE
SPARE				#12	20	1	51	B	52	1	20	#12				SPARE
SPARE				#12	20	1	53	C	54	1	20	#12				SPARE
SPARE				#12	20	1	55	A	56	1	20	#12				SPARE
SPARE				#12	20	1	57	B	58	1	20	#12				SPARE
SPARE				#12	20	1	59	C	60	1	20	#12				SPARE
SPARE				#12	20	1	61	A	62	1	20	#12				SPARE
SPARE				#12	20	1	63	B	64	1	20	#12				SPARE
SPARE				#12	20	1	65	C	66	1	20	#12				SPARE
SPARE				#12	20	1	67	A	68	1	20	#12				SPARE
SPARE				#12	20	1	69	B	70	1	20	#12				SPARE
SPARE				#12	20	1	71	C	72	1	20	#12				SPARE
SPARE				#12	20	1	73	A	74	1	20	#12				SPARE
SPARE				#12	20	1	75	B	76	1	20	#12				SPARE
SPARE				#12	20	1	77	C	78	1	20	#12				SPARE
SPARE				#12	20	1	79	A	80	1	20	#12				SPARE
SPARE				#12	20	1	81	B	82	1	20	#12				SPARE
SPARE				#12	20	1	83	C	84	1	20	#12				SPARE

CONNECTED LOAD (VA)

LIGHTING: 268

RECEPTACLE: 900

MECHANICAL: 17833

LARGEST MOTOR: 0

TOTAL LOAD: 19001

DEMAND LOAD (VA)

335

900

17833

0

19068

TOTAL FDR PHASE A: 7451

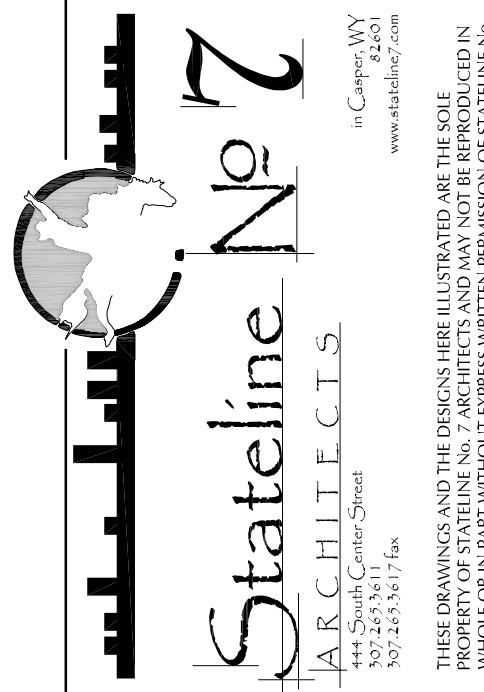
TOTAL FDR PHASE B: 5997

TOTAL FDR PHASE C: 5553

MAXIMUM IMBALANCE: 25%

MIN. FEEDER AMPACITY: 53

OLD STONEY REMODEL  
 CROOK COUNTY MUSEUM DISTRICT  
 108 NORTH 4TH STREET  
 SUNDANCE WY, 82729



PROJECT NUMBER  
16-022 / 17040

DATE  
11/20/2017

DRAWN BY  
MNS

DISK ID.

SHEET TITLE  
PHASE 1  
ELECTRICAL  
SCHEDULES

SHEET NUMBER  
16.42