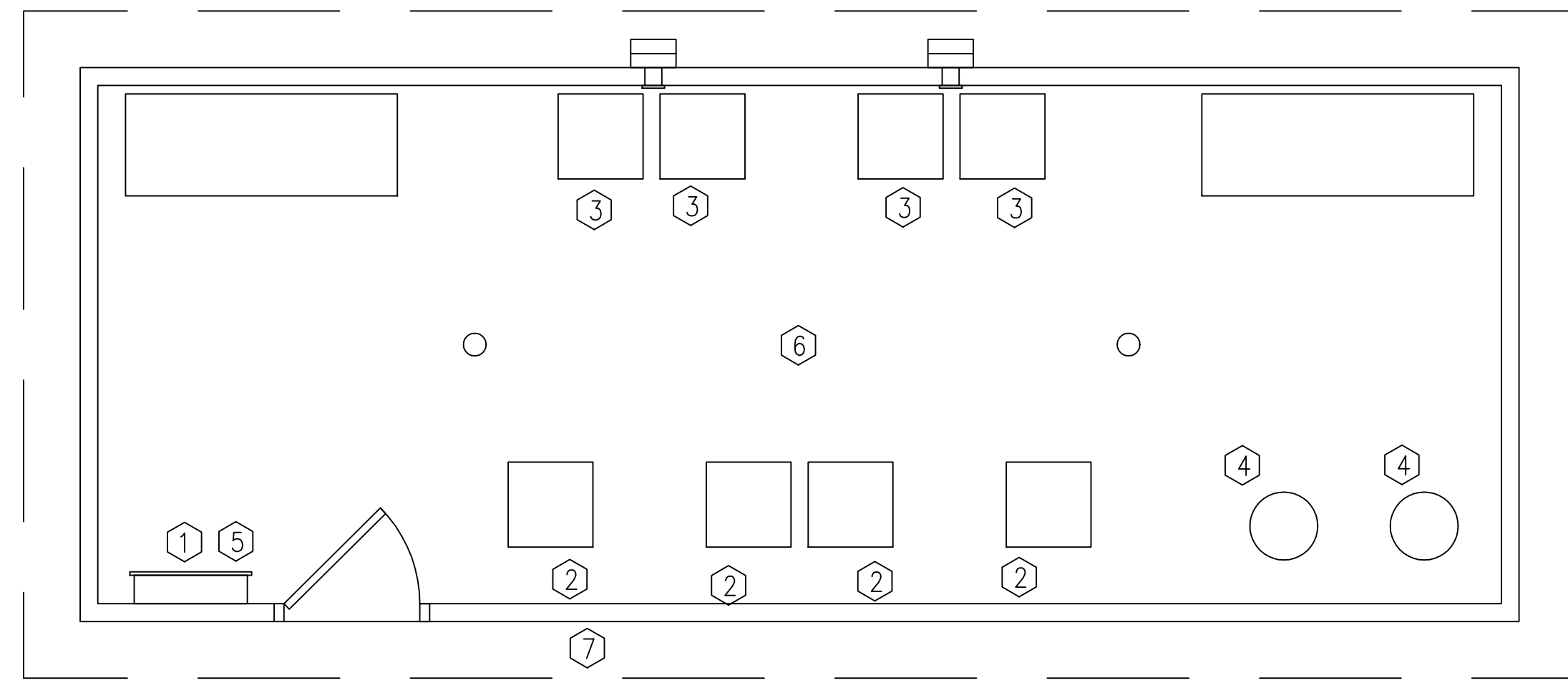


ALTERNATE BID #4

Panel Name: L-1		Panel Amperage: 400		
Voltage & Phase: 120/240-1Ø		Panel A.I.C. Rating: 65kAIC		
Mounting: Flush		Other: MCB /		
Description	Brk	Phase	Brk	Description
WASHER	20/1	1 A	2	SHOWER BUILDING
WASHER	20/1	3 B	4	
WASHER	20/1	5 A	6	DRYER
WASHER	20/1	7 B	8	
LAUNDRY BUILDING LIGHTS	20/1	9 A	10	DRYER
LAUNDRY HOT WATER HEATER	70/2	11 B	12	
		13 A	14	DRYER
LAUNDRY HOT WATER HEATER	70/2	15 B	16	
		17 A	18	DRYER
LIGHTS	20/1	19 B	20	
EXTERIOR LIGHTS	20/1	21 A	22	
		23 B	24	
		25 A	26	
		27 B	28	
		29 A	30	
		31 B	32	
		33 A	34	
		35 B	36	
		37 A	38	
		39 B	40	
		41 A	42	



1 ALT. BID #4 LAUNDRY ROOM ELECTRICAL PLAN SCALE: 1/4" = 1'-0"

NOTE: CONTRACTOR TO VERIFY AVAILABLE FAULT CURRENT AT TRANSFORMER WITH COOS CURRY ELECTRIC PRIOR TO ORDERING EQUIPMENT.

ALL SERVICE EQUIPMENT TO BE GROUNDED PER NEC 250 WITH GROUND RODS.

1/E-1.2 ALTERNATE BID #4 LAUNDRY BUILDING ELECTRICAL NOTES

- 1 CONTRACTOR TO PROVIDE NEW 120/240 VOLT SINGLE PHASE SERVICE TO LAUNDRY BUILDING, COORDINATE WITH COOS CURRY ELECTRIC.
- 2 PROVIDE DEDICATED 120 VOLT 20 AMP RECEPTACLE FOR WASHER, CIRCUIT PER PANEL SCHEDULE THIS SHEET.
- 3 PROVIDE 240 VOLT 30 AMP CIRCUIT TO DRYER, CIRCUIT THROUGH PANEL L-1, REFER TO PANEL SCHEDULE THIS SHEET. (3) #10 THHN CU (1) #10 CU GROUND IN 3/4" CONDUIT. PROVIDE RECEPTACLE TO MATCH DRYER, COORDINATE WITH MECHANICAL CONTRACTOR.
- 4 PROVIDE 240 VOLT 70 AMP CIRCUIT TO HOT WATER HEATER, CIRCUIT THROUGH PANEL L-1, REFER TO PANEL SCHEDULE THIS SHEET. (3) #4 THHN CU (1) #8 CU GROUND IN 1-1/2" CONDUIT.
- 5 CONTRACTOR TO PROVIDE 240 VOLT 150 AMP CIRCUIT TO NEW SHOWER BUILDING. VERIFY REQUIREMENTS WITH BUILDING MANUFACTURER PRIOR TO ROUGH IN. (3) #3/0 AL (1) #4 AL IN 3" CONDUIT.
- 6 CONTRACTOR TO PROVIDE LIGHTING PER SPECIFICATIONS, SURFACE MOUNT, WET LOCATION, VANDAL RESISTANT, LED FIXTURES TO MATCH RESTROOM/SHOWER BUILDING, MINIMUM 30 FOOT CANDLES AT FLOOR, PROVIDE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSORS FOR COMPLETE ROOM COVERAGE.
- 7 CONTRACTOR TO PROVIDE EXTERIOR LIGHTING FIXTURES ON BUILDING (REFER TO ARCHITECTURAL PLANS FOR LOCATIONS). MATCH FIXTURES ON RESTROOM/SHOWER BUILDING. CIRCUIT THROUGH PHOTOEYE FOR DUSK TILL DAWN OPERATION.

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	0	0	0	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	1000	500	0	1500	1.25	1875
M = Motors	0	0	0	0	1.00	0
O = Other Load	40800	40800	0	81600	1.00	81600
R = Receptacles	0	0	0	0	1.00	0
Load Totals	41800	41300	0	83100	1.00	83475
Total VA Loads	42050	41425	0			
Load Balance	100.7%	99.3%	0.0%			
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						83475
Amperage This Panel Per Largest Phase VA						350.4

BASE BID

Panel Name: S (NW)		Panel Amperage: 600		
Voltage & Phase: 120/240-1Ø		Panel A.I.C. Rating: 65kAIC		
Mounting: Flush		Other: MCB /		
Description	Brk	Phase	Brk	Description
SITES 58-64	250/2	1 A	2	SITES 71-77
		3 B	4	
SITES 65-70	250/2	5 A	6	RESTROOM/SHOWER BUILDING
		7 B	8	
		9 A	10	
		11 B	12	

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	0	0	0	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	0	0	0	0	1.25	0
M = Motors	0	0	0	0	1.00	0
O = Other Load	15000	15000	0	30000	1.00	30000
R = Receptacles	120000	120000	0	240000	0.45	125000
Load Totals	135000	135000	0	270000	0.45	155000
Total VA Loads	69000	69000	0			
Load Balance	89.0%	89.0%	0.0%			
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						155000
Amperage This Panel Per Largest Phase VA						575.0

ALL FEEDERS SERVING RV SITE PEDESTALS TO BE 350 MCM ALUMINUM WITH 1/0 GROUNDS IN 3.5" CONDUIT.

Panel Name: S (SW)		Panel Amperage: 600		
Voltage & Phase: 120/240-1Ø		Panel A.I.C. Rating: 65kAIC		
Mounting: Flush		Other: MCB /		
Description	Brk	Phase	Brk	Description
SITES 78-83	250/2	1 A	2	SITES 91-97
		3 B	4	
SITES 84-90	250/2	5 A	6	SITES 98-103
		7 B	8	
		9 A	10	
		11 B	12	

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	0	0	0	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	0	0	0	0	1.25	0
M = Motors	0	0	0	0	1.00	0
O = Other Load	0	0	0	0	1.00	0
R = Receptacles	166000	130000	0	296000	0.42	153000
Load Totals	166000	130000	0	296000	0.42	153000
Total VA Loads	69720	54600	0			
Load Balance	91.1%	71.4%	0.0%			
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						153000
Amperage This Panel Per Largest Phase VA						581.0

ALL FEEDERS SERVING RV SITE PEDESTALS TO BE 350 MCM ALUMINUM WITH 1/0 GROUNDS IN 3.5" CONDUIT.

METER BASES AND PANEL BOARDS:

PANEL BOARDS TO BE EATON OR APPROVED, TYPE 4X ENCLOSURE, 304 STAINLESS STEEL: WPRL42473-XN, SERVICE ENTRANCE PANEL, SURFACE MOUNTED. 250 AMP BREAKERS NEED TO SUPPORT 350 KCMIL AL.

METER BASES TO BE EATON OR APPROVED, CT RATED WITH TEST SWITCH BYPASS PROVISION, STAINLESS STEEL ENCLOSURE, SURFACE MOUNT. MEETING COOS CURRY ELECTRIC REQUIREMENTS.

Panel Name: S (SE)		Panel Amperage: 600		
Voltage & Phase: 120/240-1Ø		Panel A.I.C. Rating: 65kAIC		
Mounting: Flush		Other: MCB /		
Description	Brk	Phase	Brk	Description
SITES 27-21	250/2	1 A	2	SITES 13-6
		3 B	4	
SITES 20-14	250/2	5 A	6	SITES 5-1
		7 B	8	
		9 A	10	
		11 B	12	

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	0	0	0	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	0	0	0	0	1.25	0
M = Motors	0	0	0	0	1.00	0
O = Other Load	0	0	0	0	1.00	0
R = Receptacles	164000	164000	0	328000	0.42	169000
Load Totals	164000	164000	0	328000	0.42	169000
Total VA Loads	68880	68880	0			
Load Balance	81.5%	81.5%	0.0%			
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						169000
Amperage This Panel Per Largest Phase VA						574.0

ALL FEEDERS SERVING RV SITE PEDESTALS TO BE 350 MCM ALUMINUM WITH 1/0 GROUNDS IN 3.5" CONDUIT.

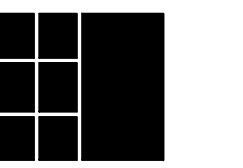
Panel Name: S (NE)		Panel Amperage: 600		
Voltage & Phase: 120/240-1Ø		Panel A.I.C. Rating: 65kAIC		
Mounting: Flush		Other: MCB /		
Description	Brk	Phase	Brk	Description
SITES 57-49	150/2	1 A	2	SITES 42-37
		3 B	4	
SITES 48-43	250/2	5 A	6	SITES 36-32
		7 B	8	
		9 A	10	
		11 B	12	

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	0	0	0	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	0	0	0	0	1.25	0
M = Motors	0	0	0	0	1.00	0
O = Other Load	0	0	0	0	1.00	0
R = Receptacles	164000	164000	0	328000	0.42	169000
Load Totals	164000	164000	0	328000	0.42	169000
Total VA Loads	68880	68880	0			
Load Balance	81.5%	81.5%	0.0%			
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						169000
Amperage This Panel Per Largest Phase VA						574.0

ALL FEEDERS SERVING RV SITE PEDESTALS TO BE 350 MCM ALUMINUM WITH 1/0 GROUNDS IN 3.5" CONDUIT.

125 WEST CENTRAL AVENUE
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CROW/CLAY & ASSOCIATES INC.
ARCHITECTURE AND PLANNING
LAND USE AND INTERIORS



REGISTERED PROFESSIONAL ENGINEER
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OREGON
JUNE 7, 2011
DAVID CHARLES BICKING

EXPIRES: 12/31/2021

PORT OF BROOKINGS HARBOR
RV PARK -
BOAT BASIN ROAD
BROOKINGS, OREGON 97415

Revision:	Date:

SEPT 2020

PROJECT NO: 19005

E1.2