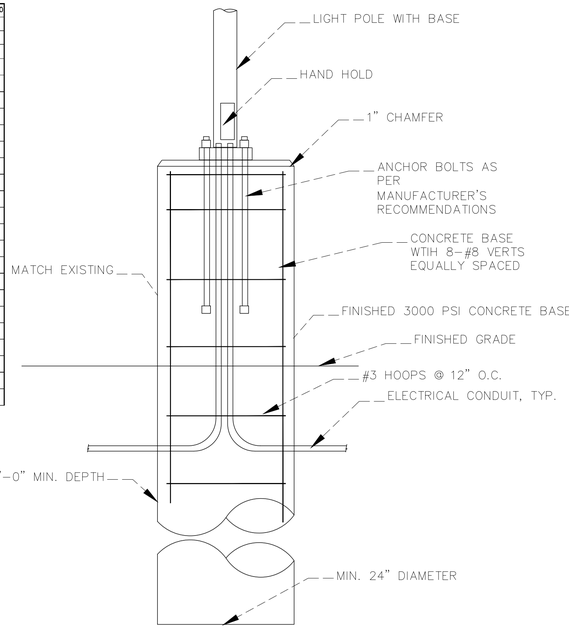
Panel Name: A		Panel Amperage:				800
Voltage & Phase: 120/208Y—3Ø		Panel A.I.C. Rating: 30kAIC				
Mounting: Surface		Other: MCB /				
Description	Brk	Phase		Brk		Description
	30/3	1	A	2	20/1	GREENHOUSE RECEPTACLES NW
FORKLIFT CHARGER	---	3	B	4	20/1	GREENHOUSE RECEPTACLES N
	---	5	C	6	20/1	PINNACLE SURVEILLANCE
GREENHOUSE DOOR	20/1	7	A	8	20/1	
WAREHOUSE RECEPTACLE	20/1	9	B	10	20/1	HAY SHED RECEPTACLES
SHIP/RECEIVE DESK RECEPTACLE	20/1	11	C	12	20/1	GREENHOUSE RECEPTACLES SE
SHIP/RECEIVE DESK RECEPTACLE	20/1	13	A	14	20/1	WAREHOUSE RECEPTACLE
CASH CLOTHING	20/1	15	B	16	20/1	PINNACLE SURVEILLANCE
CASH CLOTHING	20/1	17	C	18	20/1	CLOTHING RECEPTACLES
WAREHOUSE SHIP RECEIVE RECEPT.	20/2	19	A	20	20/1	CORD REELS
	---	21	B	22	20/1	CORD REELS
	20/1	23	C	24	20/1	CORD REELS
NORTH WAREHOUSE DOOR	30/2	25	A	26	20/1	CORD REELS
	---	27	B	28	20/1	CORD REELS
GONDOLA FLOOR RECEPTACLE	20/1	29	C	30	20/1	CORD REELS
WAREHOUSE RECPTACLES	20/1	31	A	32	20/1	CORD REELS
WAREHOUSE LOAD OUT DOOR	20/1	33	B	34	20/1	CORD REELS
	---	35	C	36	20/1	CORD REELS
UH-3	20/1	37	A	38	400/3	
UH-2	20/1	39	B	40	---	PANEL B
UH-1	20/1	41	C	42	---	
EXTERIOR SIGN	20/1	43	A	44	20/1	NORTH WALL RECEPTACLES
GONDOLA RECEPTACLES	20/1	45	B	46	20/1	PAINT SHAKER
PAINT SHAKER	20/1	47	C	48	20/1	CASH REGISTER PAINT
TINTER/PAINT	20/1	49	A	50	20/1	PAINT RECEPTACLE/DISPLAY
PAINT RECEPTACLE/DISPLAY	20/1	51	B	52	20/1	SHIP/RECEIVE DESK RECEPTACLE
SHIP/RECEIVE DESK RECEPTACLE	20/1	53	C	54	20/1	WAREHOUSE RECEPTACLE
RECEIVING DESK RECEPTACLE	20/1	55	A	56	20/1	WAREHOUSE RECEPTACLE
BREAK ROOM/OFFICE LIGHTING	20/1	57	B	58	20/1	ROPE CUTTER
RADIANT HEATER	20/1	59	C	60	400/3	
	20/1	61	A	62	---	PANEL M
CHECKOUT RECPTACLE	20/1	63	B	64	---	
CLOTHING RECEPTACLE	20/1	65	C	66	20/1	PENDLETON
CLOTHING RECEPTACLE	20/1	67	A	68	20/1	ROPE CUTTER
LIGHTBULB DISPLAY	20/1	69	B	70	20/1	GONDOLA RECPTACLE
SHIHL	20/1	71	C	72	20/1	
PEPSI COOLER	20/1	73	A	74	20/1	
	20/1	75	B	76	20/1	
	20/1	77	C	78	20/1	
	20/1	79	A	80	20/1	
	20/1	81	B	82	20/1	
	20/1	83	C	84	20/1	

Panel Name: B		Panel Amperage:				400
Voltage & Phase: 120/208Y—3Ø		Panel A.I.C. Rating: 30kAIC				
Mounting: Surface		Other: MCB /				
Description	Brk	Phase		Brk		Description
OFFICE RECEPTACLES	20/1	1	A	2	20/1	DEDICATED QUAD SERVER RECEPTACLE
OFFICE RECEPTACLES	20/1	3	B	4	20/1	DEDICATED QUAD SERVER RECEPTACLE
DEDICATED COPIER RECEPTACLE	30/1	5	C	6	20/1	DEDICATED QUAD SERVER RECEPTACLE
OFFICE RECEPTACLES	20/1	7	A	8	20/1	DEDICATED QUAD SERVER RECEPTACLE
DEDICATED SERVER ROOM RECEPTACLE	30/1	9	B	10	20/1	FIRE ALARM PANEL
SOUND SYSTEM	20/1	11	C	12	20/1	SECURITY ALARM PANEL
GROOMING FRONT DESK	20/1	13	A	14	30/1	GROOMING 4PLEX RECEPTACLES
GROOMING ROOM DRYER	20/1	15	B	16	30/1	GROOMING 4PLEX RECEPTACLES
GROOMING ROOM DRYER	20/1	17	C	18	30/1	GROOMING 4PLEX RECEPTACLES
GROOMING ROOM DRYER	20/1	19	A	20	30/1	GROOMING 4PLEX RECEPTACLES
GROOMING ROOM DRYER	20/1	21	B	22	20/1	WASHING MACHINE
GROOMING ROOM DRYER	20/1	23	C	24	30/2	DRYER
GROOMING ROOM DRYER	20/1	25	A	26	---	
GROOMING ROOM DRYER	20/1	27	B	28	30/1	PET DRYER DEDICATED 30A
PET DRYER DEDICATED 30 AMP	30/1	29	C	30	30/1	PET DRYER DEDICATED 30A
GROOMING 4PLEX RECEPTACLES	30/1	31	A	32	30/1	PET DRYER DEDICATED 30A
FRONT DOOR	20/1	33	B	34	30/1	PET DRYER DEDICATED 30A
FRONT DOOR	20/1	35	C	36	20/1	GROOMING/BATHING RECETPACLES
DRYER BOOSTER	20/1	37	A	38	20/1	WALL SAFE
		39	B	40	20/2	DUCTLESS SPLIT SYSTEM
ROPE CUTTER	20/1	41	C	42	---	
REFRIGERATOR RECEPTACLE	20/1	43	A	44	20/1	RESTROOM RECEPTACLES
DISHWASHER JUNCTION BOX	20/1	45	B	46	20/1	SOUTHEAST RETAIL RECEPTACLES
COUNTERTOP GFI RECEPTACLE	20/1	47	C	48	20/1	SIGN DISPLAYS
COUNTERTOP GFI RECEPTACLE	20/1	49	A	50	20/1	ENTRY RECEPTACLES
OFFICE RECEPTACLES	20/1	51	B	52	20/1	WEST WALL INTERIOR RECEPTACLES
COUNTERTOP GFI RECEPTACLE	20/1	53	C	54	20/1	VET COOLER
BREAK ROOM RECEPTACLES	20/1	55	A	56	20/1	PET COOLER
BREAK ROOM CEILING RECEPT.	20/1	57	B	58	20/1	CASH REGISTERS FRONT
SELF BATHING RECEPTACLE	20/1	59	C	60	20/1	CASH REGISTERS FRONT
NORTH WALL RECEPTACLES	20/1	61	A	62	20/1	CASH REGISTERS FRONT
COLUMN RECEPTACLES	20/1	63	B	64	20/1	CASH REGISTERS FRONT
HALL RECEPTACLE	20/1	65	C	66	20/1	DEDICATED FREEZER/COOLER RECEPT.
HOT WATER HEATERS	20/1	67	A	68	20/1	DEDICATED FREEZER/COOLER RECEPT.
HOT WATER HEATERS	20/1	69	B	70	20/1	DEDICATED FREEZER/COOLER RECEPT.
GARBAGE DISPOSAL	20/1	71	C	72	20/1	DEDICATED FREEZER/COOLER RECEPT.
	225/3	73	A	74	20/1	COUNTER RECEPTACLES
PANEL L	---	75	B	76	20/1	COUNTER RECEPTACLES
	---	77	C	78	20/1	PROPANE
PET DRYER DEDICATED 30 AMP	30/1	79	A	80	20/1	
		81	B	82		
		83	C	84		

Panel Name: L		Panel Amperage:				225
Voltage & Phase: 120/208Y—3Ø		Panel A.I.C. Rating: 10kAIC				
Mounting: Surface		Other: MCB /				
Description	Brk	Phase		Brk		Description
GREENHOUSE LIGHTING	20/1	1	A	2	20/1	GREENHOUSE LIGHTING
GREENHOUSELIGHTING	20/1	3	B	4	20/1	WAREHOUSE LIGHTING
WAREHOUSE LIGHTING	20/1	5	C	6	20/1	WAREHOUSE LIGHTING
WAREHOUSE LIGHTING	20/1	7	A	8	20/1	LOADOUT CANOPY LIGHTING
GROOMING/BATHING LIGHTING	20/1	9	B	10	20/1	FRONT ENTRY LIGHTING
SALES FLOOR LIGHTING	20/1	11	C	12	20/1	SALES FLOOR LIGHTING
SALES FLOOR LIGHTING	20/1	13	A	14	20/1	SALES FLOOR LIGHTING
SALES FLOOR LIGHTING	20/1	15	B	16	20/1	SALES FLOOR LIGHTING
SALES FLOOR LIGHTING	20/1	17	C	18	20/1	SALES FLOOR LIGHTING
SALES FLOOR LIGHTING	20/1	19	A	20	20/1	PAINT LIGHTING
CLOTHING LIGHTING	20/1	21	B	22	20/1	CLOTHING LIGHTING
CLOTHING LIGHTING	20/1	23	C	24	20/1	CLOTHING LIGHTING
EXTERIOR LIGHTING	20/1	25	A	26	20/1	EXTERIOR LIGHTING
EXTERIOR LIGHTING	20/1	27	B	28	20/1	EXTERIOR LIGHTING
HAY SHED LIGHTING	20/1	29	C	30	20/1	PARKING LOT LIGHTING
PARKING LOT LIGHTING	20/1	31	A	32	20/1	BOOTS LIGHTING
CLOTHING GONDOLA LIGHTING	20/1	33	B	34	20/1	CLOTHING TRACK LIGHTING
CLOTHING GONDOLA LIGHTING	20/1	35	C	36	20/1	CLOTHING TRACK LIGTHING
CLOTHING TRACK LIGHTING	20/1	37	A	38	20/1	CLOTHING TRACK LIGHTING
CLOTHING GONDOLA LIGHTING	20/1	39	B	40	20/1	CLOTHING GONDOLA LIGHTING
EXTERIOR SIGN	20/1	41	C	42	20/1	WAREHOUSE LIGHTING
EGRESS LIGHTING	20/1	43	A	44	20/1	EGRESS LIGHTING
BREAKROOM LIGHTING	20/1	45	B	46		
		47	C	48	20/2	CEILING HEATER
		49	A	50	---	
EXTERIOR SIGN	20/1	51	B	52	20/2	CEILING HEATER
EXTERIOR SIGN	20/1	53	C	54	---	
		55	A	56		
		57	B	58		
		59	C	60		
		61	A	62		
		63	B	64		
		65	C	66		
		67	A	68		
		69	B	70		
		71	C	72		
		73	A	74		
		75	B	76		
		77	C	78		
		79	A	80		
		81	B	82		
		83	C	84		

Panel Name: M		Panel Amperage:				600
Voltage & Phase: 120/208Y—3Ø		Panel A.I.C. Rating: 30kAIC				
Mounting: Surface		Other: MCB /				
Description	Brk	Phase		Brk		Description
	100/3	1	A	2	100/3	
RTU-1	---	3	B	4	---	RTU-4
	---	5	C	6	---	
	100/3	7	A	8	40/3	
RTU-2	---	9	B	10	---	RTU-5
	---	11	C	12	---	
	100/3	13	A	14	25/3	
RTU-3	---	15	B	16	---	RTU-6
	---	17	C	18	---	
EF3	20/1	19	A	20	25/3	
EF2	20/1	21	B	22	---	RTU-7
LOAD OUT RECEPTACLE	20/1	23	C	24	---	
GROOMING EXHAUST FAN	20/1	25	A	26		
		27	B	28		
		29	C	30		
		31	A	32		
		33	B	34		
		35	C	36		
		37	A	38		
		39	B	40		
		41	C	42		

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	46006	46006	46006	138018	1.00	138018
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	0	0	0	0	1.00	0
Load Totals	46006	46006	46006	138018	1.00	138018
Total VA Loads	46006	46006	46006			
Load Balance	100.0%	100.0%	100.0%			
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						138018
Amperage This Panel Per Largest Phase VA						383.4



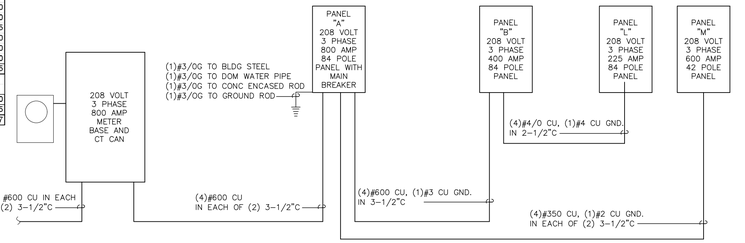
1 LIGHT POLE BASE DETAIL

SCALE: NTS

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	46006	47806	47806	141618	1.00	141618
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	17200	17200	12100	46500	1.25	58125
M = Motors	5980	6280	4480	16740	1.00	16740
O = Other Load	8620	7860	7320	23800	1.00	23800
R = Receptacles	17720	20520	19900	58140	0.59	34070
Load Totals	95526	99966	91606	286798	0.96	274353
Total VA Loads	92490	95471	86392			
Load Balance	101.1%	104.4%	94.5%			
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						274353
Amperage This Panel Per Largest Phase VA						795.6

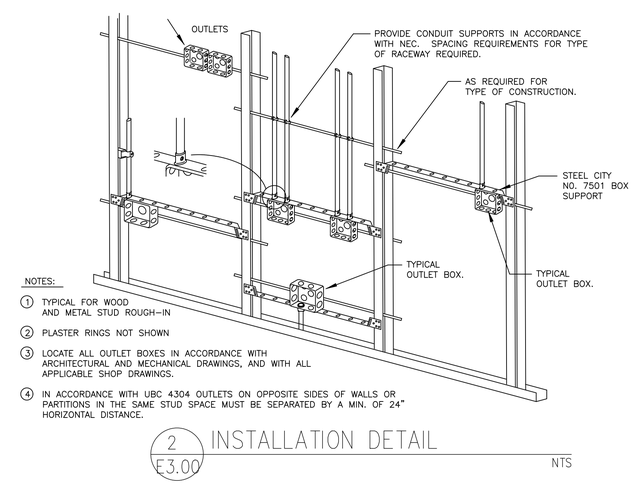
Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	1800	1800	3600	1.00	3600
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	17060	16230	14750	48040	1.25	60050
M = Motors	3500	3000	3000	9500	1.00	9500
O = Other Load	5820	6360	5820	18000	1.00	18000
R = Receptacles	10620	11720	12000	34340	0.65	22170
Load Totals	37000	39110	37370	113480	1.00	113320
Total VA Loads	37501	39014	36805			
Load Balance	99.3%	103.3%	97.4%			
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						113320
Amperage This Panel Per Largest Phase VA						325.1

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	17060	16130	14750	47940	1.25	59925
M = Motors	0	0	0	0	1.00	0
O = Other Load	0	0	0	0	1.00	0
R = Receptacles	0	0	0	0	1.00	0
Load Totals	17060	16130	14750	47940	1.25	59925
Total VA Loads	21325	20163	18438			
Load Balance	106.8%	100.9%	92.3%			
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						59925
Amperage This Panel Per Largest Phase VA						177.7



3 SINGLE LINE DIAGRAM

SCALE: NTS



2 INSTALLATION DETAIL

E3.00 NTS

Luminaire Schedule

Label	Total Lamp Lumens	LLF	Description	Lumens/Watt	Watts/Fixture
A	11790	0.900	PQL MODEL #55481	131	90
AE	11790	0.900	PQL MODEL #55481 INCLUDING EMERGENCY PACK MODEL #55320	131	90
F	4536	0.900	PQL MODEL #55334	126	50
FE	4536	0.900	PQL MODEL #55334 INCLUDING EMERGENCY PACK MODEL #55449	126	50
N	2000	0.900	SPECTRUM LIGHTING DP12LEDXT20L35KDS10XRDC5MW WITH CD36 MOUNTING OPTION	90	20
E	31981	0.950	PQL MODEL #90381 WITH ITEM #90362 16" REFLECTOR AND ITEM #90363 BOTTOM LENS	130	246
D	1200	0.900	HI-LITE MFG H-16412/123/CLR/CB8'/123/12/LED3/40/E/BCM-M	100	12
C	720	0.900	NORA LIGHTING NTE-850L940X10AW WITH NT-302W AND NT-316W TRACK SYSTEM	72	10
R	1484	0.900	LUGHTWAR LTCW-12-LED-U-13W-4-B1-WSA	114	13
P	1200	0.900	BASELITE W508/53/LELC-12W-50K/CBC3	100	12
H	1600	0.900	LIGHTWAY 12-LED-4-B1-WSA	133.33	12
G	7540	0.900	PQL MODEL #55253	116	65
GE	7540	0.900	PQL MODEL #55253 INCLUDING EMERGENCY PACK MODEL #55391	116	65
J	4010	0.900	EATON 4WSL LD2 40 SPS UNV L840CD1	114	35
JE	4010	0.900	EATON 4WSL LD2 40 SPS UNV L840CD1 AND EMERGENCY PACK	114	35
K	6000	0.900	LITHONIA WPX2 LED WALL PACK	127	47
M	7000	0.900	LITHONIA TWH 20C LED WALL PACK	97	72
B	987	0.900	LITHONIA LDN6 40L06BRLSS MVOLT RECESSED CAN LIGHT	91	10
BE	987	0.900	LITHONIA LDN6 40L06BRLSS E10WCP MVOLT RECESSED CAN LIGHT WITH BATTERY BACK UP	91	10
Y	800	0.900	KICHLER 430600Z MINI PENDANT	81	10
L	310/FT	0.900	KICHLER 430600Z MINI PENDANT	81	10
XE	N/A	0.900	TRULUX HIGH OUTPUT-24 LED STRIP LIGHTING 4000K WALL DIMMER AND DIMMING TRANSFORMER	N/A	4.4/FT
X2	N/A	N/A	LITHONIA LHQM LED R	N/A	10

ELECTRICAL/MECHANICAL KEY

- DUPLEX RECEPTACLE OUTLET @ 18" A.F.F. U.N.O.
- SWITCHED RECEPTACLE OUTLET @ 18" A.F.F. U.N.O.
- AFCI DUPLEX RECEPTACLE OUTLET @ 18" A.F.F. U.N.O. W/ ARC-FAULT CIRCUIT INTERRUPTER
- GFI DUPLEX RECEPTACLE OUTLET W/ GROUND FAULT CIRCUIT INTERRUPTER
- WP WEATHER PROOF DUPLEX RECEPTACLE OUTLET (GFI PROTECTED PER NEC210-8(a)3)
- 2 PORT DATA JACK, LABEL PER OWNER,
- 4-PLEX RECEPTACLE OUTLET
- CLG CEILING DUPLEX RECEPTACLE OUTLET
- SPECIAL RECEPTACLE, REFER TO NOTES.
- $ SINGLE POLE SWITCH @ 48" A.F.F. U.N.O.
- $3 THREE-WAY SWITCH
- $4 FOUR-WAY SWITCH
- $D SWITCH W/ DIMMER
- $E SWITCH W/ MOTION LIGHT
- PNL XX/X HOME RUN, PANEL /BREAKERS

0 4 8 16 — 1/8" = 1'-0"
0 4 8 — 1/4" = 1'-0"
0 4 — 3/8" = 1'-0"
0 4 — 1/2" = 1'-0"
6" 0 2 — 3/4" = 1'-0"
6" 0 2 — 1" = 1'-0"
6" 0 1 — 1-1/2" = 1'-0"
0 6" — 3" = 1'-0"

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03/10/23

Reviewed for Code Compliance - 03/13/2023 3:32:52 PM
Permit Number - 23-01679-01

WILCO EUGENE
W 11TH & WILLOW CREEK
EUGENE, OREGON 97402

WILCO
200 INDUSTRIAL WAY
MT. ANGEL, OR 97362

project number 18-25
date 10/03/22

revisions

REGISTERED PROFESSIONAL ENGINEER
61436PE
OREGON
JUNE 7, 2012
DAVID CHARLES BACHMEIER
EXPIRES: 12/31/2023

ELECTRICAL SCHEDULES AND DETAILS

sheet number
E3.0

Received by City of Eugene: 13. E3.0 ELECTRICAL SCHEDULES AND DETAILS - 03/10/2023, 5:03:04 PM