















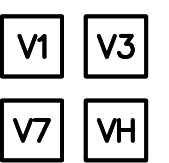
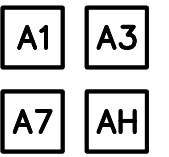



GENERAL ELECTRICAL EQUIPMENT SCHEDULE	
<p>THE SYMBOLS AND THE EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.</p> <p>CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.</p>	

ITEM NO.	SYMBOL	DESCRIPTION	APPROVED MANUFACTURERS
1	DEVICE COLOR	ALL SWITCH, RECEPTACLE, OUTLET, AND COVERPLATE COLORS SHALL BE VERIFIED WITH ARCHITECT, UNLESS INDICATED OTHERWISE.	HUBBELL LEVITON PASS & SEYMOUR COOPER
2	COVER PLATES	ALL SWITCHES, RECEPTACLES, AND OUTLETS SHALL BE COMPLETE WITH UNBREAKABLE THERMOPLASTIC COVERPLATES IN FINISHED SPACES WHERE WALLS ARE FINISHED; #302 STAINLESS STEEL COVERPLATES IN UNFINISHED SPACES FOR FLUSH BOXES; AND GALVANIZED STEEL COVERPLATES IN UNFINISHED SPACES FOR SURFACE MOUNTED BOXES. WHERE SEVERAL DEVICES ARE GANGED TOGETHER, THE COVER PLATE SHALL BE OF THE GANGED STYLE FOR THE NUMBER OF DEVICES USED.	HUBBELL LEVITON PASS & SEYMOUR COOPER
3	S	SWITCH, SINGLE POLE, SINGLE THROW, 120/277 VOLT, 20 AMP. TOGGLE HANDLE, MAINTAINED CONTACT, SIDE AND BACK WIRED,	HUBBELL HBL1221 LEVITON 1221-2 PASS & SEYMOUR PS20AC1 COOPER 2221
4	S ₃	SWITCH, THREE WAY, 120/277 VOLT 20 AMP. TOGGLE HANDLE, SIDE AND BACK WIRED,	HUBBELL HBL1223 LEVITON 1223-2 PASS & SEYMOUR PS20AC3 COOPER 2223
5	S ₄	SWITCH, FOUR WAY, 120/277 VOLT 20 AMP. TOGGLE HANDLE, SIDE AND BACK WIRED.	HUBBELL HBL1224 LEVITON 1224-2 PASS & SEYMOUR PS20AC4 COOPER 2224
6	S ₀	OCCUPANCY SENSOR WALL SWITCH, PASSIVE INFRARED, ZERO CROSSING CIRCUITRY, INTEGRATED AMBIENT LIGHT SENSOR (10-150 FC RANGE), ADJUSTABLE SENSITIVITY AND TIME DELAY, NO MINIMUM LOAD REQUIREMENTS, MANUAL OR AUTO ON OPERATION, 5 YEAR WARRANTY. INITIAL SETTINGS: 10 MINUTES, AMBIENT SENSOR 40 FC.	WATT STOPPER PW-100 SERIES SENSOR SWITCH WSD HUBBELL AUTOMATION LH1RS1 LEVITON ODS15 GREENGATE OSW-P--0451
7	S _{WP}	SWITCH, WEATHERPROOF COVERPLATE, SINGLE POLE, SINGLE THROW 120/277 VOLT 20 AMP MAINTAINED CONTACT. TOGGLE HANDLE, SIDE AND BACK WIRED.	HUBBELL HBL1221/HBL1795 LEVITON 1221-2 TAYMAC MM180 PASS & SEYMOUR PS20AC1/CA1-GL COOPER 2221
8	 	RECEPTACLE, DUPLEX, 125 VOLT, 20 AMP, 3 WIRE GROUNDING TYPE, N.E.M.A. 5-20R, IMPACT RESISTANT THERMOPLASTIC FACE, STEEL BACK STRAP. DOUBLE DUPLEX, CONSIST OF TWO DUPLEX RECEPTACLES, DOUBLE GANG BOX, PLASTER RING AND FACEPLATE.	HUBBELL 5352A PW-100-S PASS & SEYMOUR 5362 COOPER 5352
9	 	RECEPTACLE, GROUND FAULT DUPLEX, 125 VOLT, 20 AMP, 3 WIRE GROUNDING TYPE, N.E.M.A. 5-20R. TEST AND RESET BUTTONS IN IMPACT RESISTANT THERMOPLASTIC FACE. DOUBLE DUPLEX, CONSIST OF TWO DUPLEX RECEPTACLES, DOUBLE GANG BOX, PLASTER RING AND FACEPLATE.	HUBBELL GF20L LEVITON 7899 PASS & SEYMOUR 2095 COOPER VGF20
10	 _W	RECEPTACLE, GROUND FAULT DUPLEX, WEATHER RESISTANT, WEATHERPROOF COVERPLATE, 125 VOLT, 20 AMP, 3 WIRE GROUNDING TYPE, N.E.M.A. 5-20R. TEST AND RESET BUTTONS IN IMPACT RESISTANT THERMOPLASTIC FACE. NEMA 3R RATED WHILE IN USE, CLEAR, NON-LOCKING, STANDARD DEPTH, VERTICAL MOUNT.	HUBBELL GF20L/(WP826MP) LEVITON 7899/(5977-CL) PASS & SEYMOUR 2095/(WLUC10-C) COOPER VGF20/(4966)
11	 	ELECTRICAL CONNECTION TO EQUIPMENT AND MOTORS, SIZE PER N.E.C. COORDINATE REQUIREMENTS WITH CONTRACTOR FURNISHING EQUIPMENT OR MOTOR. SEE SPECIFICATIONS AND GENERAL INSTALLATION NOTES FOR TERMINATIONS TO MOTORS.	SEE SPECIFICATIONS
12	 	JUNCTION BOX, SIZE PER N.E.C., SEE SPECIFICATIONS FOR GENERAL CONSTRUCTION, USE OF THIS SYMBOL DOES NOT INDICATE ALL JUNCTION BOXES REQUIRED FOR THIS CONTRACT ARE SHOWN.	SEE SPECIFICATIONS
13		RECEPTACLE, SIMPLEX, 125/250 VOLT, 20 AMP, 3 POLE, 4 WIRE GROUNDING TYPE, NEMA 14-20R, THERMOPLASTIC FACE, FLUSH MOUNTED,	HUBBELL HBL8410 PASS & SEYMOUR 3820 COOPER 5759

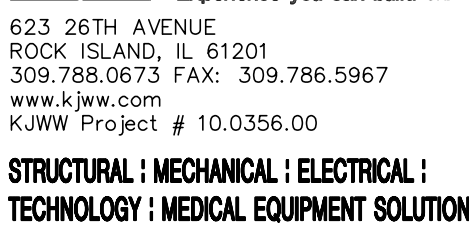
GENERAL ELECTRICAL EQUIPMENT SCHEDULE - CONTINUED

THE SYMBOLS AND THE EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.

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ITEM NO.	SYMBOL	DESCRIPTION	APPROVED MANUFACTURERS
14		OCCUPANCY SENSOR, CEILING MOUNTED 360 DEGREE, DUAL TECHNOLOGY PASSIVE INFRARED/ULTRASONIC. FREQUENCY GREATER THAN 40 KHz OR PASSIVE INFRARED/Acoustic, DUAL SENSING VERIFICATIONS (REQUIRES BOTH TECHNOLOGIES TO ACTIVATE), EITHER TECHNOLOGY MAINTAINS ON STATUS, INTEGRATED AMBIENT LIGHT LEVEL SENSOR (2–200 FC RANGE), ADJUSTABLE SENSITIVITY AND TIME DELAY, INTEGRAL ISOLATED RELAY CONTACT, 5 YEAR WARRANTY. SENSOR SHALL CONTROL ALL CIRCUITS IN AREA, UNLESS NOTED OTHERWISE. INITIAL SETTINGS: TIME DELAY 10 MINUTES, AMBIENT SENSOR 40FC. CONTRACTOR SHALL SUBMIT MANUFACTURER SUPPLIED SENSOR COVERAGE DRAWING FOR SHOP DRAWING REVIEW.	WATT STOPPER DT 300 SERIES SENSOR SWITCH WV–PDT HUBBELL AUTOMATION OMNI–DT2000 LEVITON OSC##–MOW
15		OCCUPANCY SENSOR, ULTRASONIC CEILING MOUNTED, 360 DEGREE 20'X20' HAND MOTION COVERAGE PATTERN, FREQUENCY GREATER THAN 32 KHz SOLID STATE, ADJUSTABLE SENSITIVITY AND TIME DELAY, INTEGRAL ISOLATED 1 AMP RELAY CONTACT, TEMPERATURE AND HUMIDITY RESISTANT RECEIVERS, 5 YEAR WARRANTY. SENSOR SHALL CONTROL ALL CIRCUITS IN AREA, UNLESS NOTED OTHERWISE. INITIAL SETTINGS: TIME DELAY 10 MINUTES. CONTRACTOR SHALL SUBMIT MANUFACTURER SUPPLIED SENSOR COVERAGE DRAWING FOR SHOP DRAWING REVIEW.	WATT STOPPER WT-1100 SERIES HUBBELL AUTOMATION OMNI–US LEVITON OSC SERIES GREENGATE ODC–U SERIES
16		PANELBOARD, SURFACE MOUNT, 208/120 VOLT, 3 PHASE, 4 WIRE, S/N, GROUND BUS, COPPER BUS, BOLT–ON BREAKERS, NEMA 1 ENCLOSURE, SEE SCHEDULES FOR SIZE AND CONFIGURATION, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.	SQUARE D NO. GENERAL ELECTRIC AQ SIEMENS P1 CUTLER–HAMMER PRL1
17	<u>FACP–3002</u> 	FIRE ALARM CONTROL PANEL, ADDRESSABLE SYSTEM, FEATURING INTERFACE WITH ANALOG SENSING INITIATING DEVICES, EXPANDABLE MODULAR DESIGN, MICROPROCESSOR–BASED ELECTRONICS, 120 VAC OPERATION, SURFACE MOUNT. REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.	SIMPLEX 4098 SERIES NOTIFIER SIEMENS FIRE SAFETY EDWARDS
18		FIRE ALARM VISUAL NOTIFICATION APPLIANCE, HIGH–INTENSITY STROBE, RED HOUSING WITH WHITE LETTERING OR PICTOGRAM, SEMI–FLUSH WALL MOUNT; 24 VDC. WG SUBSCRIPT INDICATES WIRE GUARD IS REQUIRED. CANDELA RATINGS: V1=15, V3=30, V7=75, AND VH=110. CANDELA RATING SHALL BE VISIBLE FROM THE OUTSIDE OF THE DEVICE.	SYSTEM SENSOR S24 GENTEX GES EDWARDS EG1 SIMPLEX 4904 SIEMENS UMCS WHELOCK RSS
19		FIRE ALARM AUDIO/VISUAL NOTIFICATION APPLIANCE, ELECTRONIC HORN WITH SELECTABLE OR TEMPORAL TONE AND HIGH–INTENSITY STROBE, RED HOUSING WITH WHITE LETTERING OR PICTOGRAM, SEMI–FLUSH WALL MOUNT; 24 VDC. WG SUBSCRIPT INDICATES WIRE GUARD IS REQUIRED. CANDELA RATINGS: A1=15, A3=30, A7=75, AND AH=110. CANDELA RATING SHALL BE VISIBLE FROM THE OUTSIDE OF THE DEVICE.	SYSTEM SENSOR P24 GENTEX GEC EDWARDS EG1 SIMPLEX 4903 SIEMENS UMHS1 WHELOCK HS4
20		SMOKE DETECTOR, ADDRESSABLE, ANALOG PHOTOELECTRIC SENSOR, 24 VDC, 2–PIECE DESIGN, LOW–PROFILE MOUNTING BASE WITH MULTI–FUNCTION LED INDICATOR, COMPLETE WITH MOUNTING HARDWARE AND BACKBOX. PROVIDE A REMOTE LED INDICATOR DEVICE IF DETECTOR IS NOT VISIBLE FROM A FLOOR–STANDING POSITION.	SIMPLEX 4098 SERIES NOTIFIER SIEMENS FIRE SAFETY EDWARDS
21		HEAT DETECTOR, ADDRESSABLE, ANALOG SENSOR, COMBINATION RATE OF RISE AND 135 DEGREE FAHRENHEIT FIXED TEMPERATURE, 2–WIRE OPERATION, 24 VDC, 2–PIECE DESIGN, LOW–PROFILE MOUNTING BASE WITH MULTI–FUNCTION LED INDICATOR, COMPLETE WITH MOUNTING HARDWARE AND BACKBOX. PROVIDE A REMOTE LED INDICATOR DEVICE IF DETECTOR IS NOT VISIBLE FROM A FLOOR–STANDING POSITION.	SIMPLEX 4098 SERIES NOTIFIER SIEMENS FIRE SAFETY EDWARDS
22		FIRE ALARM MANUAL PULL STATION, ADDRESSABLE, DOUBLE ACTION WITH PLASTIC BREAKOFF, RESET KEY LOCK, SEMI–FLUSH, RED HIGH–ABUSE PLASTIC OR CAST METAL CONSTRUCTION WITH WHITE LETTERING. USE SURFACE MOUNT ONLY ON PRECAST CONCRETE OR STRUCTURE. WG SUBSCRIPT INDICATES WIRE GUARD IS REQUIRED.	SIMPLEX 4098 SERIES NOTIFIER SIEMENS FIRE SAFETY EDWARDS

Drawing Title	Project Title		Date
ELECTRICAL MATERIAL LIST - MAINT.	REPLACE ADMINISTRATION AND MAINTENANCE BUILDING AND SITE IMPROVEMENTS		7-1-2011
Approved: Director, Office of Construction Management	Building Number	Checked	Project No.
	3002	JOHN McG	906CM3009
Approved: Director, Project Management Service	Location	Drawn	DRAWING NO.
	EAGLE POINT EAGLE POINT CEMETERY 2763 RILEY ROAD EAGLE POINT, OR 97524	BRAWIT	E-3002-51
			Dwg. 139 OF 181

[illegible]

I hereby certify that this Plan, Specification, or Report was prepared by me, or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Oregon.

Signature: _____

Name: Lee D. VanOpdorp

Discipline: Electrical

Oregon Registration No. 78702PE Expiration date: 06.30.12

Date Issued: ** ** *

13605 1st AVENUE NORTH, SUITE 100, PLYMOUTH, MN 55441
TEL (763) 412-4000 FAX (763) 412-4090
www.ae-mn.com

