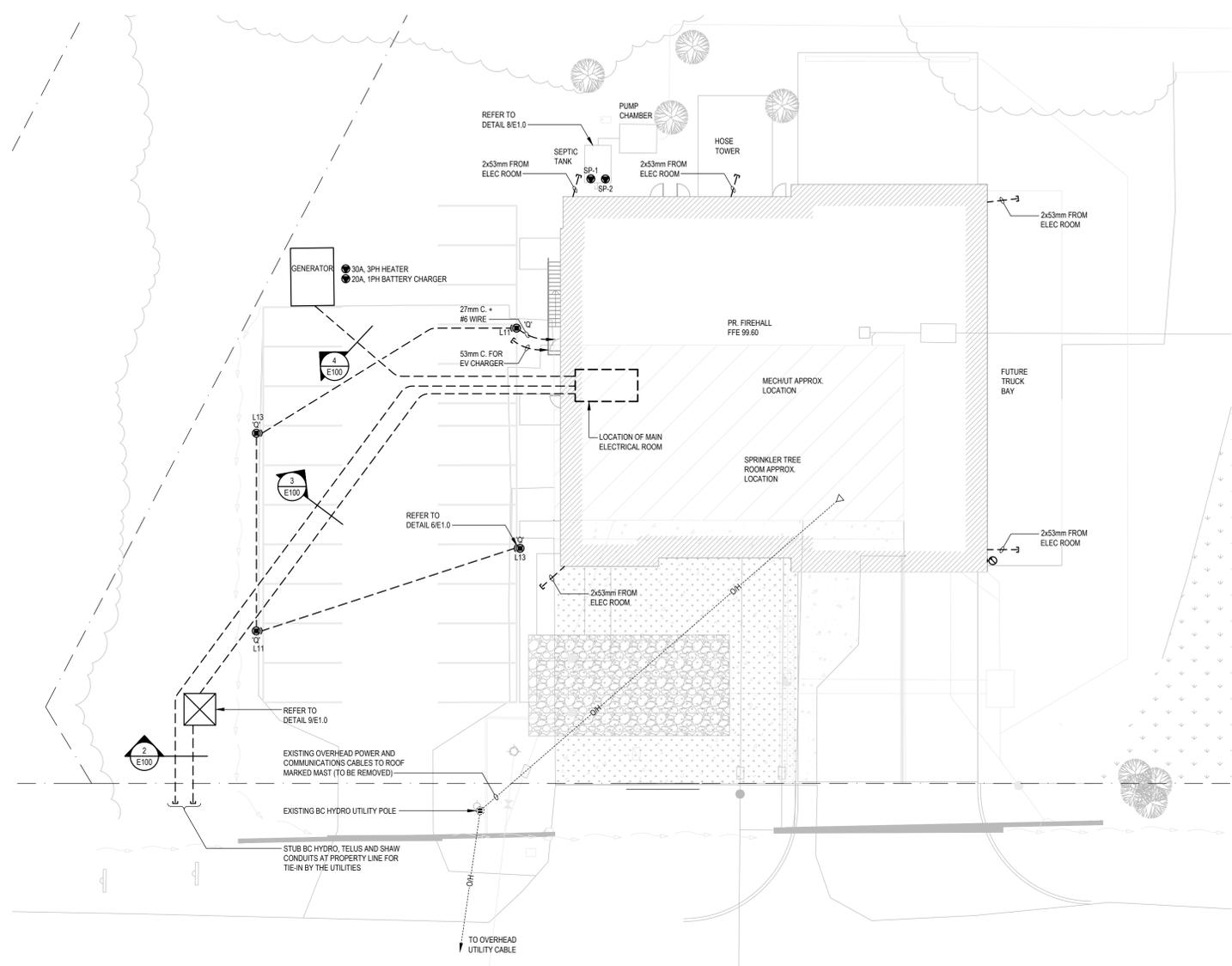


AES2021-27-MAY-22 09:20 H:\PROJECTS\2020\1-20-170\DWGS\DWG\1-20-170-ELEC_SITE.DWG JUSTIN.BROWNE



APPLICABLE CODES & STANDARDS

- BRITISH COLUMBIA BUILDING CODE 2018
- CANADIAN ELECTRICAL CODE 2018
- ASHRAE 90.1 2016
- ULC S524 2014
- ULC S537 2013

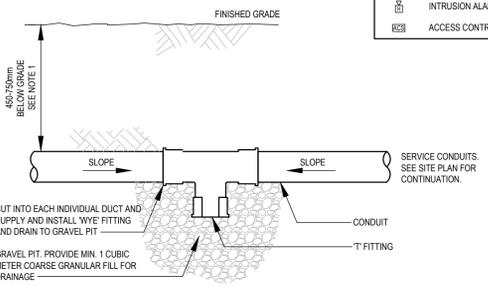
ELECTRICAL DRAWING LIST

- E1.0 SITE PLAN, LEGEND, AND DETAILS
- E1.1 DUCT PROFILE, SINGLE LINE DIAGRAM, ELECTRICAL ROOM LAYOUT, DETAILS AND SCHEDULES
- E1.2 DETAILS AND SCHEDULES
- E2.0 REVISED LEVEL 1 ELECTRICAL LAYOUTS
- E2.1 REVISED LEVEL 2 ELECTRICAL LAYOUTS

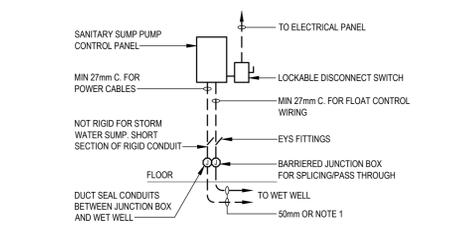
DASHWOOD FIRE HALL	
Basic Load:	
Area (Office): 345sq. m x 50w/sq. m	17250 W
Area (Office): 696sq. m x 25w/sq. m	17400 W
Mechanical load:	71466.89 W
Equipment:	103600 W
Total	208716.89 W
Plus 20% spare capacity in the service	250460.31 W
Ampacity @ 208 3ph	696.0323 A
Ampacity @ 208 3ph (90%)	870.0404 A

1200A 208V 3PH is recommended

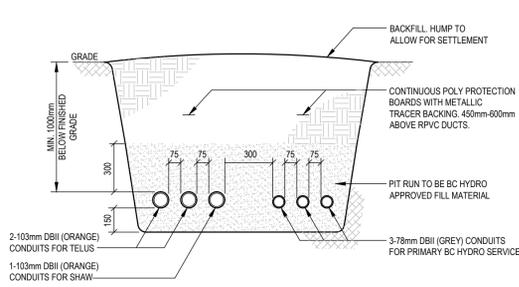
ELECTRICAL SYMBOL LEGEND	
ABBREVIATIONS	POWER
NOTE: EQUIPMENT SHOWN DOTTED IS EXISTING AND TO REMAIN UNLESS INDICATED OTHERWISE	ABOVE COUNTER 5-20R DUPLEX RECEPTACLE (T-SLOT) GROUND FAULT CIRCUIT INTERRUPTER (GFCI)
WP: DENOTES WEATHER PROOF DEVICE	DUPLEX RECEPTACLE
LIGHTING	ABOVE COUNTER DUPLEX RECEPTACLE
LUMINAIRE ON EMERGENCY CIRCUIT	5-20R DUPLEX RECEPTACLE (T-SLOT)
CEILING RECESSED LUMINAIRE	FOUR PLEX RECEPTACLE
STRIP LIGHT	ABOVE COUNTER GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE (GFCI)
SURFACE MOUNTED LUMINAIRE	FLOOR MOUNTED 5-20R GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE (GFCI)
SURFACE MOUNTED LUMINAIRE	FRIDGE RECEPTACLE
RECESSED DOWN LIGHT	FS: FILL STATION RECEPTACLE
WALL MOUNTED LUMINAIRE	MW: MICROWAVE RECEPTACLE
PENDANT LUMINAIRE	W: WASHER RECEPTACLE
SINGLE POLE TOGGLE SWITCH, GANGED AS SHOWN	BF: BOTTLE FILL STATION RECEPTACLE
LINE VOLTAGE DIMMER SWITCH C/W VACANCY SENSOR	D: DRYER RECEPTACLE
LINE VOLTAGE SWITCH C/W VACANCY SENSOR	R: RANGE RECEPTACLE
LINE VOLTAGE OCCUPANCY SENSOR, CEILING MOUNTED	CM: CEILING MOUNTED REEL
DAY LIGHT SENSOR, CEILING MOUNTED	M: MECHANICAL MOTOR CONNECTION
VACANCY SENSOR, WALL MOUNTED	DS: DISCONNECT SWITCH
VACANCY SENSOR, CEILING MOUNTED	OD: OVER HEAD DOOR SWITCH
DIMMER SWITCH WITH ON/OFF FUNCTION	PB: PANEL BOARD
EXIT SIGN - DIRECTION AS INDICATED ON PLANS	KS: KILL SWITCH
DUAL HEAD EMERGENCY LIGHTING COMPLETE WITH SELF-CONTAINED BATTERY PACK, WALL MOUNTED	ME: MECHANICAL EQUIPMENT CONNECTION
PHOTOCELL	SM: SERVICE PROVIDER METER
COMMUNICATIONS	UH: UNIT HEATER
COMBINATION CAT/VIDEO OUTLET	JB: JUNCTION BOX
COMBINATION TELEPHONE AND DATA OUTLET	FIRE ALARM
CATV OUTLET	FASD: FIRE ALARM SMOKE DETECTOR
ABOVE COUNTER COMBINATION TELEPHONE AND DATA OUTLET	FASPE: FIRE ALARM SUITE PIEZO ELECTRONIC HORN
TELEPHONE OUTLET	FASHS: FIRE ALARM HORN WITH STROBE
SECURITY	FASPS: FIRE ALARM PULL STATION
360° INTRUSION MOTION DETECTOR	FASPA: FIRE ALARM PANEL
CARD READER	FASAA: FIRE ALARM ANNUCIATOR
180° WALL MOUNTED INTRUSION MOTION DETECTOR	SFS: SPRINKLER FLOW SWITCH
INTRUSION ALARM HORN	SFVS: SPRINKLER VALVE SUPERVISORY
ACCESS CONTROL SYSTEM	FASAH: FIRE ALARM HORN
	IM: ISOLATION MODULE



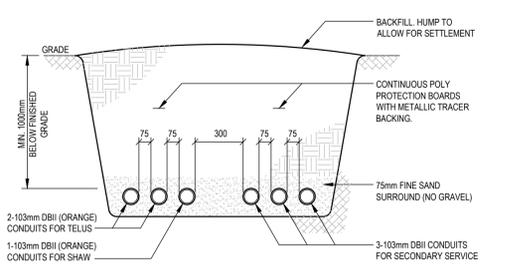
NOTES:
1. 100mm BELOW GRADE IS REQUIRED FOR BC HYDRO DRAINAGE CLEARANCE.



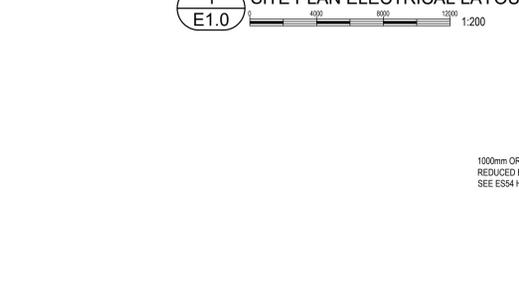
NOTES:
1. CONFIRM EXACT CONDUIT REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN (TYPICAL).



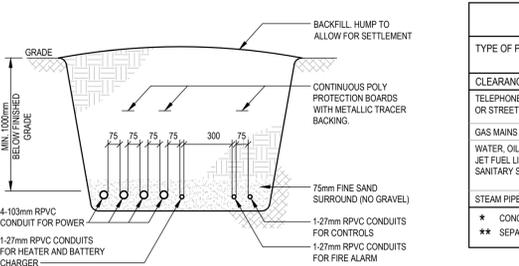
2 PRIMARY TRENCH DETAIL E1.0 NOT TO SCALE



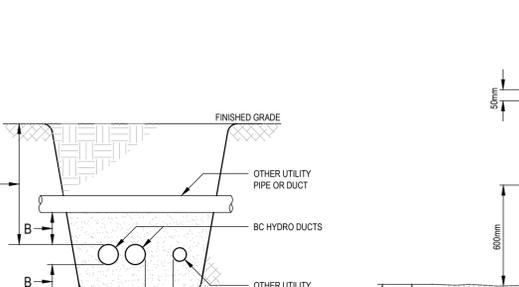
3 SECONDARY TRENCH DETAIL E1.0 NOT TO SCALE



1 SITE PLAN ELECTRICAL LAYOUT E1.0



4 GENERATOR TRENCH DETAIL E1.0 NOT TO SCALE

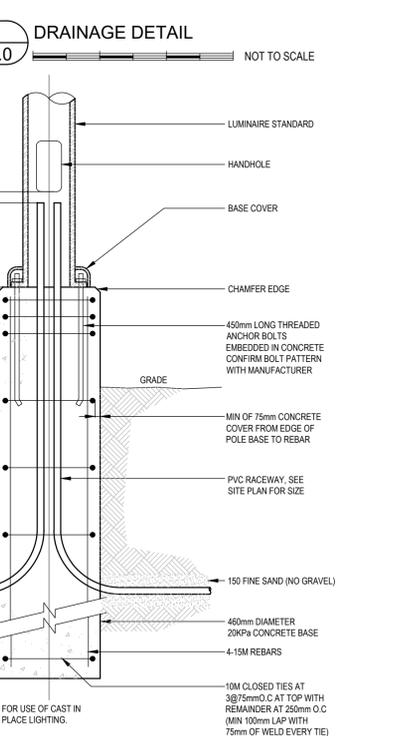


5 CLEARANCE DETAIL E1.0 NOT TO SCALE

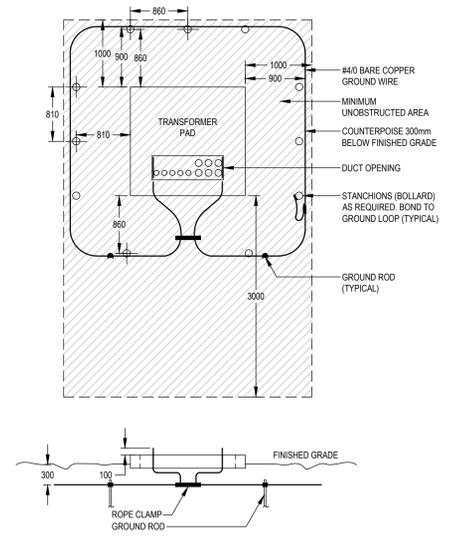
TYPE OF PIPE OR DUCT	DIRECT BURIED BC HYDRO DUCTS		CONCRETE ENCASED * BC HYDRO DUCTS	
	A	B	A	B
TELEPHONE, CABLEVISION OR STREET LIGHTS	300	150	75	150
GAS MAINS	300	300	300	300
WATER, OIL PIPELINES, JET FUEL LINES, STORM AND SANITARY SEWER LINES	900	300	300	300
STEAM PIPES, MAX ID 225mm	1500	1500 **	1500	1500 **

* CONCRETE ENCASEMENT SHALL EXTEND A MINIMUM OF 1500mm ON EITHER SIDE OF CROSSING.
** SEPARATION FOR STEAM PIPES CROSSING ABOVE DUCT BANKS IS 300mm.

5 CLEARANCE DETAIL E1.0 NOT TO SCALE



6 TYPICAL POLE BASE DETAIL E1.0 NOT TO SCALE



9 BC HYDRO GROUNDING DETAIL E1.0 1:50

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Do not scale the drawings.



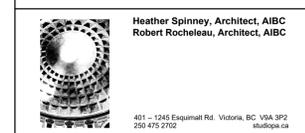
PRODUCTION DRAWINGS BY:

NO.	DATE	DESCRIPTION
6	2022-07-22	ISSUED FOR TENDER
5	2022-05-27	ISSUED FOR CLASS A COSTING
4	2021-03-04	ISSUED FOR BUILDING PERMIT
3	2021-09-13	ISSUED FOR BC HYDRO COORDINATION
2	2021-08-25	ISSUED FOR 60% DESIGN DEVELOPMENT
1	2021-08-01	ISSUED FOR SCHEMATIC DESIGN

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PROJECT TITLE
DASHWOOD FIRE HALL REPLACEMENT

230 HOBBS ROAD
QUALICUM BEACH BC
V9K 2B2

SHEET TITLE
SITE PLAN, LEGEND AND DETAILS

DATE	MAY 2022	SHEET NO.
PROJECT NO.	1-20-170	E1.0
SCALE	AS NOTED	
DRAWN BY	RZ/SD	

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER	CAT. No.	LED	DRIVER	REMARKS
A	COOPER	14C22-39-HRP-UNV-L835-CD1-U	29.8W, 3500K, 3900lm	0-10V Dimmable	1'X4' TROFFER LED, SMOOTH LENS, WHRP INSERT.
B	COOPER	22C22-44-HRP-UNV-L835-CD1-U	42.7W, 3500K, 4400lm	0-10V Dimmable	2'X2' TROFFER LED, HIGH EFFICIENCY, ROUND LENS.
B1	COOPER	22C22-29-VHE-HRP-UNV-L835-CD1-U	19.9W, 3500K, 2900lm	0-10V Dimmable	2'X2' TROFFER LED, VERY HIGH EFFICIENCY, ROUND LENS.
B2	COOPER	22C22-50-VHE-HRP-UNV-L835-CD1-U	35W, 3500K, 5000lm	0-10V Dimmable	2'X2' TROFFER LED, VERY HIGH EFFICIENCY, ROUND LENS.
C	COOPER	24C22-35-VHE-HRP-UNV-L835-CD1-U	23.9W, 3500K, 3500lm	0-10V Dimmable	2'X4' TROFFER LED, VERY HIGH EFFICIENCY, SMOOTH LENS.
D	LITHONIA	CSVT-L48-4000LM-MVOLT-3500K-80CRI	34.2W, 3500K, 4000lm	0-10V Dimmable	48", CONTRACTOR SELECT LED VAPOUR TIGHT.
F	LITHONIA	FMVCLS-12IN-MVOLT-30K35K40K-80CRI-BN	9.6W, 30K35K40K, 800lm	0-10V Dimmable	1' CONTEMPORARY CYLINDER, SWITCHABLE WHITE CCT.
G	LITHONIA	LDN6-35/10-LO6-AR-LS-GZ10	10.4W, 3500K, 1000lm	0-10V Dimmable	6", CLEAR, SPECULAR REFLECTOR.
H	LITHONIA	ZL1N-L48-3000LM-FST-MVOLT-35K-80CRI	25.2W, 3500K, 3000lm	0-10V Dimmable	48", FROSTED DIFFUSER, MVOLT.
K	LIGHTHEADED	C3PA-R-6-840-3018-9010-P-COM	11W, 3000-1800K, 1000lm	0-10V Dimmable	3" ROUND PENDANT WITH INTEGRAL DRIVER, CONTRACTOR TO CONFIRM THE FINISH WITH ARCHITECT BEFORE ORDERING.
L	GOTHAM	EV04WC-30/25-AR-MWD-LD-GZ10	25.7W, 3000K, 2500lm	0-10V Dimmable	4", ROUND CYLINDER, WALL MOUNT, CLEAR MATTE.
M	SIGNIFY	RBX-10L-835-UNV-WT-ARR16S	86.4W, 3500K, 10,000lm	0-10V Dimmable	16", HIGH BAY 2-DLS32015, 95W DRIVER 3.2K RESISTOR.
N	SIGNIFY	PWS-48L-400-AM-G2-2-UNV-BL-IMR2-PCB	48W, 300K, 2834lm	0-10V Dimmable	LED WALL SCONCE, CONTRACTOR TO CONFIRM THE FINISH WITH THE ARCHITECTURE BEFORE ORDERING.
P	SIGNIFY DAY-BRITE	FSS430L835-UNV-SDM-LXR10ADC	26W, 3500K, 3000lm	0-10V Dimmable	4", LED STRIP, SUSPENDED, INTEGRATED WITH MOTION SENSOR.
Q	BEGA	84126-K3-BLK	43W, 3000K, 478lm	0-10V Dimmable	4600mm HIGH AREA LED LUMINAIRE, MOUNT ON PRE-CAST CONCRETE BASE, BLACK FINISH, DIM TO 5% CW OCCUPANCY SENSOR.
RA	DIFFUSION	SL-1N-24V-3400K SLC-0025 (CHANNEL)	1.5W/ft, 3400K, 132lm/ft	0-10V Dimmable	CONTRACTOR TO DETERMINE THE LENGTH OF STRIP REQUIRED AND THE FINISH OF ALUMINUM CHANNEL BEFORE ORDERING.
RB	DIFFUSION	SL-1N-24V-3400K SLC-0075 (CHANNEL)	1.5W/ft, 3400K, 132lm/ft	0-10V Dimmable	CONTRACTOR TO DETERMINE THE LENGTH OF STRIP REQUIRED AND THE FINISH OF ALUMINUM CHANNEL BEFORE ORDERING.
S	SIGNIFY	2205L-BEL016FT7DE24	24.5W, 3500K, 3062lm	0-10V Dimmable	CONTRACTOR TO CONFIRM THE FINISH WITH THE ARCHITECTURE BEFORE ORDERING.

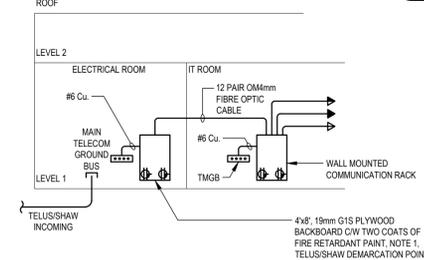
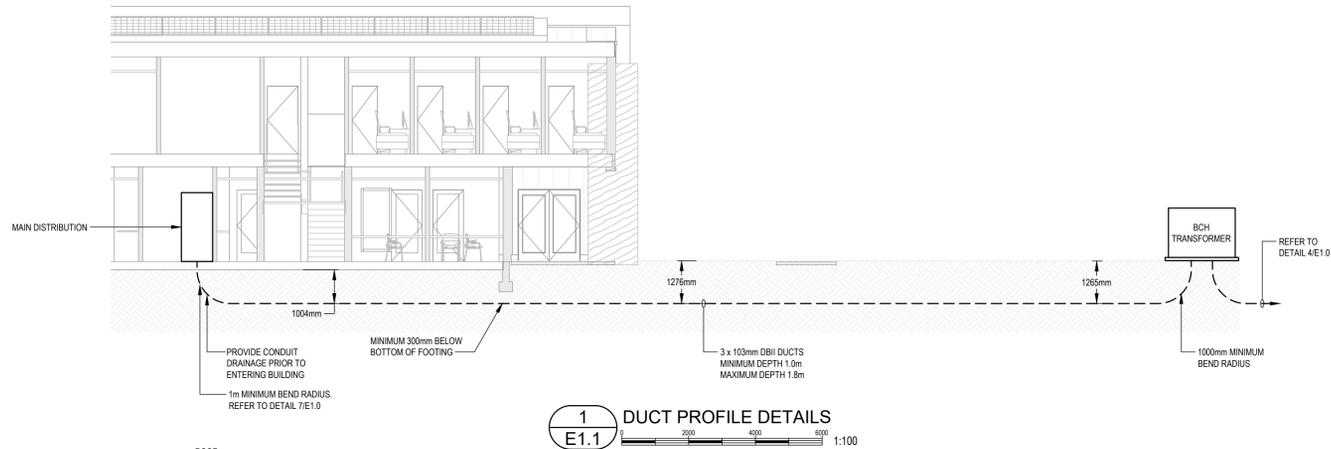
- NOTES:
- LUMINAIRE SPECIFIED BY INTERIOR DESIGNER, CONFIRM EXACT MODEL AND FINISH WITH INTERIOR DESIGNER PRIOR TO ORDERING.
 - ALL APPROVED ALTERNATES ARE TO MATCH THE SPECIFIED LUMINAIRES WATTAGE, LUMEN OUTPUT, CORRELATE COLOR TEMPERATURE, FINISH AND ANY OPTIONAL ACCESSORIES.
 - ALL APPROVAL REQUESTS MUST MEET OR EXCEED THE PERFORMANCE, MATERIALS, EFFICIENCY, QUALITY, WARRANTY AND CONSTRUCTION OF THE SPECIFIED LUMINAIRE.
 - ALL APPROVAL REQUESTS MUST BE SUBMITTED A MINIMUM OF 5 BUSINESS DAYS PRIOR TO TENDER CLOSE. LATE SUBMISSIONS WILL NOT BE ACCEPTED OR REVIEWED.
 - IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE ALL FIXTURES SUPPLIED FOR THE PROJECT ARE AS SPECIFIED OR APPROVED DURING TENDER. ANY UNAPPROVED PACKAGES WILL NOT BE CONSIDERED AND ANY ADDITIONAL COSTS TO PROVIDE THE SPECIFIED APPROVED PACKAGES ARE SOLELY THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

LIGHTING CONTROL SCHEDULE			
SPACE	FLOOR	LIGHTING CONTROL STRATEGY	DAYLIGHT HARVESTING
BUILDING EXTERIOR / PARKING LOT	EXTERIOR	EXTERIOR LIGHTING IS TO BE CONTROLLED BY THE TIME CLOCK IN THE CENTRAL LIGHTING CONTROL SYSTEM. COORDINATE THE TIME SCHEDULE PROGRAMMING WITH THE OWNER DURING COMMISSIONING.	N/A
MEETING/BOARD ROOM	L1	MANUAL WITH FIVE (5) PRESET DIMMING LEVELS (10%, 30%, 50%, 80%, 100%), AUTO-OFF AFTER 15 MINUTES OF INACTIVITY VIA CEILING MOUNTED DUAL-TECHNOLOGY VACANCY SENSOR. REFER TO DRAWINGS FOR LIGHTING ZONE INDICATION.	N/A
WASHROOMS, DECON ROOM	L1&L2	AUTO ON / OFF VIA CEILING MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR. DEFAULT LEVEL SET AT 70%.	N/A
SERVICE ROOM (ELEC. MECH. MACHINE)	L1	MANUAL ON / OFF VIA WALL MOUNTED SWITCH.	N/A
SERVER ROOM	L1	MANUAL ON, AUTO OFF AFTER 15 MINUTES OF INACTIVITY VIA WALL MOUNTED DUAL-TECHNOLOGY VACANCY SENSOR.	N/A
DAY ROOM / FITNESS AREA	L2	MANUAL ON, AUTO OFF AFTER 15 MINUTES OF INACTIVITY VIA CEILING MOUNTED DUAL-TECHNOLOGY VACANCY SENSOR. REFER TO DRAWINGS FOR LIGHTING ZONE INDICATION.	YES
CORRIDOR	L1&L2	MANUAL ON, AUTO OFF, CONTINUOUS DIMMING CAPABLE AND DIM SPACE TO 50% AFTER 15 MINUTES OF INACTIVITY VIA CEILING MOUNTED DUAL-TECHNOLOGY VACANCY SENSOR. SCHEDULED SHUT OFF VIA TIME CLOCK. CONFIRM TIME CLOCK PROGRAMMING REQUIREMENT WITH OWNER.	YES
OPEN OFFICE	L1	MANUAL ON, AUTO OFF AFTER 15 MINUTES OF INACTIVITY VIA CEILING MOUNTED DUAL-TECHNOLOGY VACANCY SENSOR, CONTINUOUS DIMMING CAPABLE AND DIM SPACE TO AVAILABLE DAYLIGHT WHILE MAINTAINING A MINIMUM LIGHT LEVEL OF 350lx.	YES
STAIRS	L1&L2	MANUAL ON, DIM TO 40% AFTER 15 MINUTES OF INACTIVITY VIA MOTION SENSOR INTEGRAL TO FIXTURE.	N/A
LAUNDRY	L1&L2	MANUAL ON, AUTO OFF VIA CEILING MOUNTED DUAL-TECHNOLOGY VACANCY SENSOR, CONTINUOUS DIMMING CAPABLE IN ADDITION TO FULL ON AND FULL OFF.	N/A
WORKSHOP	L1	MANUAL ON, AUTO OFF VIA CEILING MOUNTED DUAL-TECHNOLOGY VACANCY SENSOR, CONTINUOUS DIMMING CAPABLE IN ADDITION TO FULL ON AND FULL OFF.	N/A
ENTRY	L1	24/7 CONTINUOUS OPERATION, MANUAL ON/AUTO DIM TO 50% DURING DAY TIME, AND AUTO DIM TO 20% AT NIGHT VIA CEILING MOUNTED DUAL-TECHNOLOGY VACANCY SENSOR.	N/A
SCBA-1.2	L1&L2	MANUAL ON, AUTO OFF VIA CEILING MOUNTED DUAL-TECHNOLOGY VACANCY SENSOR.	N/A

- NOTES:
- VOLTAGE SWITCH WITH DIMMER IN A SINGLE GANG CONFIGURATION IS TO BE PROV SENSOR

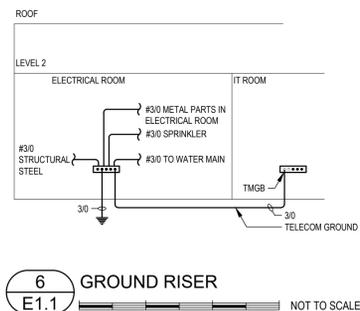
LIGHTING COMPLIANCE DOCUMENTATION				
CODE	YES	NO	N/A	
ASHRAE 90.1-2016	X			
NECB-2015				
COMPLIANCE PATH				
PRESCRIPTIVE				
SPACE BY SPACE	X			
BUILDING AREA PERFORMANCE				X
INDEPENDENT PROVISIONS CHECKLIST				
LIGHTING CONTROLS				
AUTOMATIC LIGHTING SHUTOFF CONTROLS ARE PROVIDED BASED ON EITHER A SCHEDULING DEVICE OR AN OCCUPANT SENSOR	X			
EACH ENCLOSED SPACE HAS ITS OWN CONTROL INCLUDING B-LEVEL OR OCCUPANCY BASED WHERE REQUIRED	X			
CONTROLS FOR PARKING GARAGES, INCLUDING B-LEVEL, TRANSITION AND PERIMETER CONTROL AS REQUIRED.	X			
AUTOMATIC DAYLIGHTING CONTROLS FOR PRIMARY SIDELIGHTED AREAS				X
AUTOMATIC DAYLIGHTING CONTROLS FOR TOPLIGHTING				X
ADDITIONAL CONTROLS FOR DISPLAY/ACCENT, CASE, GUEST ROOM, TASK, NONVISUAL AND DEMONSTRATION LIGHTING APPLICATIONS.				X
EXTERIOR LIGHTING CONTROLS INCLUDING AUTOMATIC SHUTOFF AND B-LEVEL AS REQUIRED.	X			
EXIT SIGNS DO NOT EXCEED 5W PER FACE	X			
INTERIOR LIGHTING POWER BELOW ALLOWABLE LPD	X			
EXTERIOR LIGHTING POWER BELOW ALLOWABLE LPD	X			
FUNCTIONAL TESTING TO BE PERFORMED BY FACTORY CERTIFIED TECHNICIAN	X			

FIRE ALARM SCHEDULE		
ZONE	AREA	DEVICES
Z1	LEVEL 1	SMOKE/MANUAL
Z2	LEVEL 2	SMOKE/MANUAL
Z3	LEVEL 1 WET SPRINKLER SYSTEM	FLOW
Z4	LEVEL 2 WET SPRINKLER SYSTEM	FLOW
Z5	LEVEL 1 DRY SPRINKLER SYSTEM	FLOW
Z6	STAIR 107	SMOKES
Z7	AHU-1	DUCT SMOKE
Z8	SPARE	
T1	LEVEL 1 WET SPRINKLER SYSTEM	SUPERVISORY
T2	LEVEL 2 WET SPRINKLER SYSTEM	SUPERVISORY
T3	LEVEL 1 DRY SPRINKLER SYSTEM	SUPERVISORY
T4	DRY SPRINKLER SYSTEM COMPRESSOR	SUPERVISORY
T5	GENERATOR RUN	SUPERVISORY
T6	GENERATOR FAIL TO RUN	SUPERVISORY
T7	HEAT TRACE	SUPERVISORY

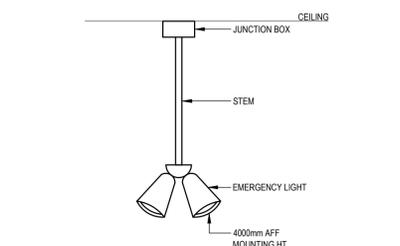


5 COMMUNICATIONS RISER
E1.1 NOT TO SCALE

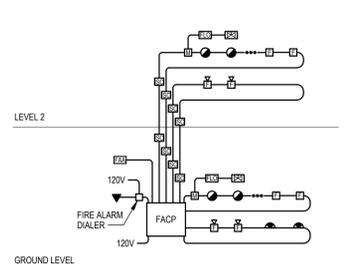
- NOTE:
- NEW FIRE RESISTANT TREATED PLYWOOD, G1S FOR COMMUNICATIONS BACKBOARD, PAINT WHITE WITH FIRE RETARDANT PAINT. DO NOT PAINT OVER LABELS.



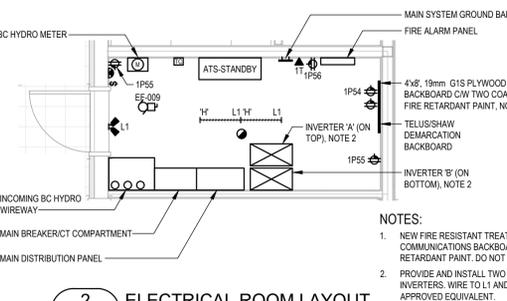
6 GROUND RISER
E1.1 NOT TO SCALE



7 EMERGENCY LIGHTING STEM DETAIL
E1.1 NOT TO SCALE

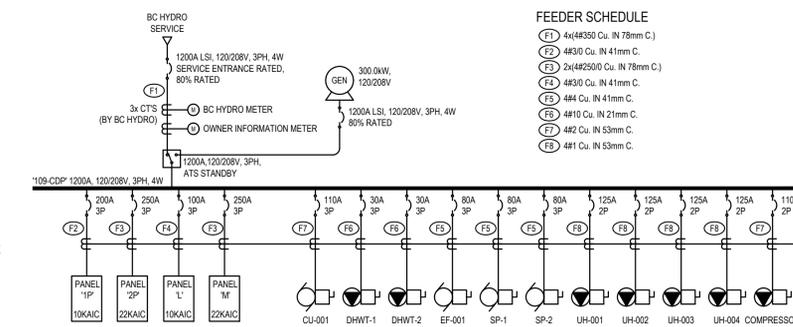


8 FIRE ALARM RISER
E1.1 NOT TO SCALE



2 ELECTRICAL ROOM LAYOUT
E1.1 1:50

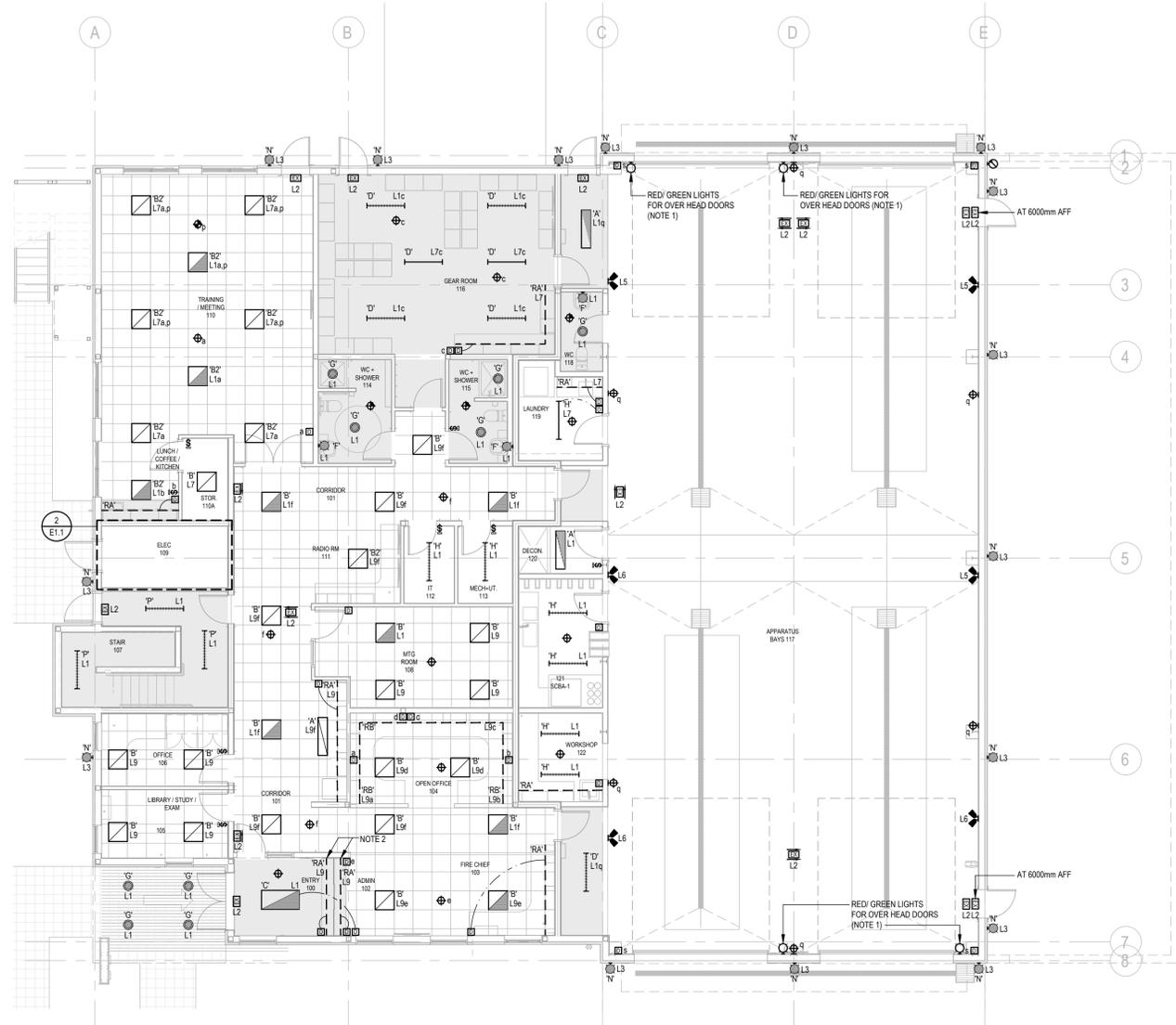
- NOTES:
- NEW FIRE RESISTANT TREATED PLYWOOD, G1S FOR COMMUNICATIONS BACKBOARD, PAINT WHITE WITH FIRE RETARDANT PAINT. DO NOT PAINT OVER LABELS.
 - PROVIDE AND INSTALL TWO (2) EMERGENCY LIGHTING INVERTERS, WIRE TO L1 AND L2 READILY LIME-R440 OR APPROVED EQUIVALENT.



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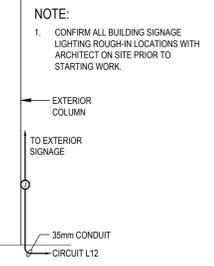
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PRODUCTION DRAWINGS BY:



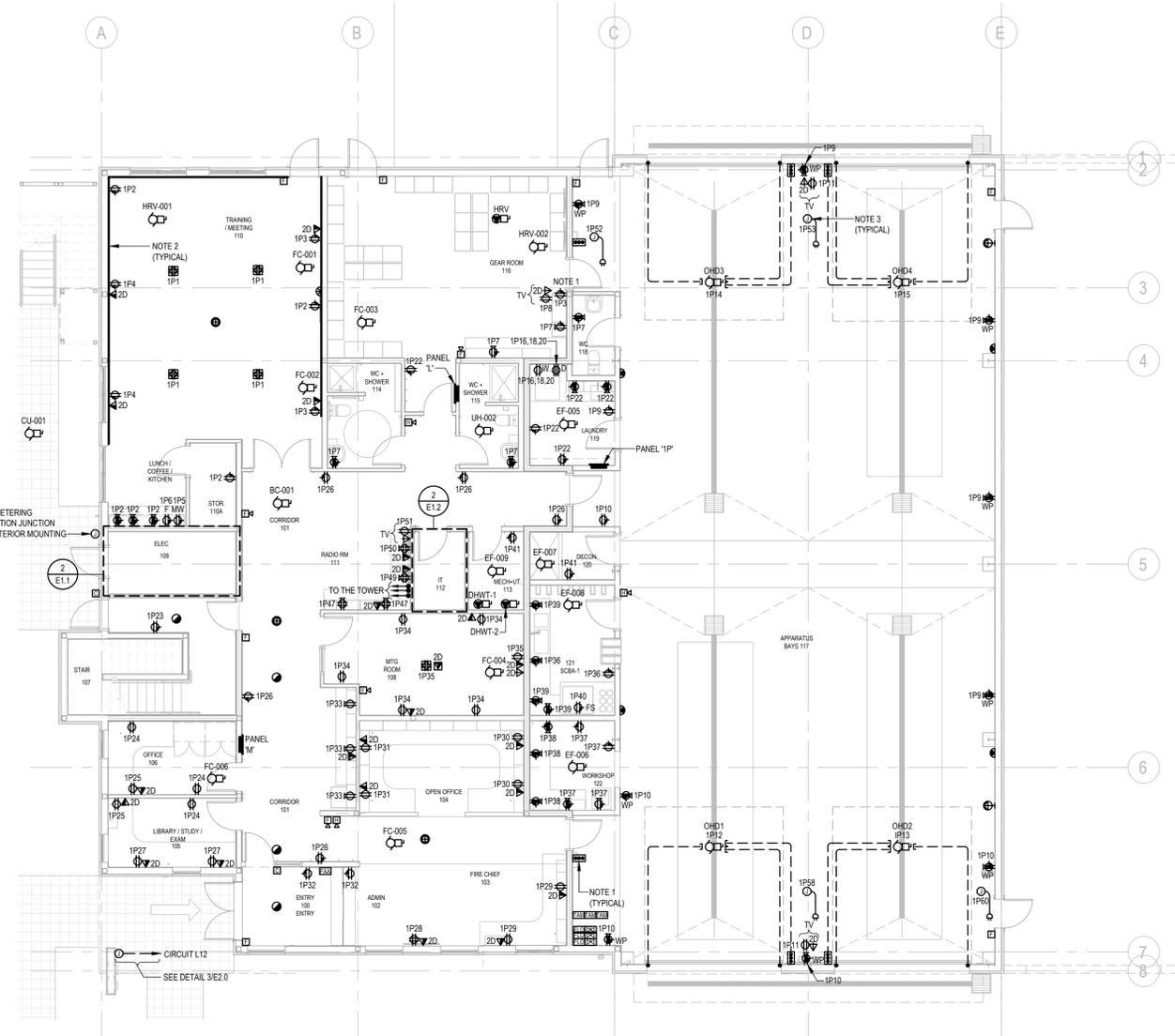
1
E2.0 LEVEL 1 LIGHTING LAYOUT
1:100

- NOTES:**
1. PROVIDE TRAFFIC LIGHTS FOR APPARATUS BAY. INTERFACE TRAFFIC LIGHTS CONTROLS WITH BAY DOOR OPERATOR.
 2. CONTRACTOR TO COORDINATE WITH THE ARCHITECT FOR THE INSTALLATION OF LED STRIP LIGHTS IN THE ADMIN AREA.
- GENERAL NOTES:**
1. PROVIDE AND INSTALL LU224 EMERGENCY RELAYS TO BYPASS ALL INTERIOR AND EXTERIOR LIGHTING CONTROLS DURING A POWER FAILURE SUCH THAT ALL EMERGENCY LIGHTING INVERTER BACKED-UP LUMINAIRES WILL BE AT 100% BRIGHTNESS.
 2. PROVIDE AND INSTALL TWO (2) EMERGENCY LIGHTING INVERTERS. WIRE TO CIRCUIT L1, L3. READ/DYLITE RHM-140 OR APPROVED EQUIVALENT.
 3. PROVIDE WIRELESS LIGHTING CONTROLS SYSTEM. LUTRON VIVE OR APPROVED EQUIVALENT.



3
E2.0 EXTERIOR SIGNAGE JUNCTION BOX DETAIL
NOT TO SCALE

- EXTERIOR LIGHTING/BUILDING SIGNAGE GENERAL NOTES:**
1. ALL EXTERIOR LIGHTING AND BUILDING SIGNAGE TO BE CONTROLLED BY PHOTOCELL AND ASTRONOMICAL TIMECLOCK.
 2. CONFIRM ALL EXTERIOR LIGHTING PROGRAMMING WITH THE OWNER AND ALLOW FOR ALL PROGRAMMING NECESSARY.
 3. PROVIDE AND INSTALL A DIMMER SWITCH IN THE ELECTRICAL ROOM FOR THE DIMMING OF THE TYPE LG LUMINAIRE. DIMMER SWITCH TO BE INSTALLED WITH A CLEAR HINGED POLYCARBONATE COVER. LOCATE THE DIMMER ADJACENT TO THE LIGHTING PANEL. DEFAULT DIMMING LEVEL IS SET TO 60%.

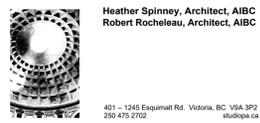


2
E2.0 LEVEL 1 POWER AND SYSTEMS LAYOUT
1:100

- NOTES:**
1. OVERHEAD DOOR CONTROLLER FOR ALL FOUR DOORS.
 2. PROVIDE AND INSTALL TWO CHANNEL STEEL SURFACE RACEWAY TO THE TRAINING/MEETING 110 ROOM WALLS. LEGRAND WIREMOLD 4000 SERIES. PROVIDE ALL REQUIRED WIRING DEVICES, ACCESSORIES AND MOUNTING HARDWARE. CONFIRM MOUNTING HEIGHT WITH OWNER AND CONSULTANT PRIOR TO ROUGH-IN.
 3. PROVIDE AND INSTALL FIRE ENGINE CHARGING CORD REEL IN APPARATUS BAY, 20 AMP, 45FT IN LENGTH. HUBBEL HBL45123C20. PROVIDE 5-20RP BREAKAWAY CABLE FOR EACH UNIT.

NO.	DATE	DESCRIPTION
6	2022-07-22	ISSUED FOR TENDER
5	2022-05-27	ISSUED FOR CLASS A COSTING
4	2021-03-04	ISSUED FOR BUILDING PERMIT
3	2021-09-13	ISSUED FOR BC HYDR0 COORDINATION
2	2021-08-25	ISSUED FOR 60% DESIGN DEVELOPMENT
1	2021-08-01	ISSUED FOR SCHEMATIC DESIGN

SEAL



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PROJECT TITLE
DASHWOOD FIRE HALL REPLACEMENT

230 HOBBS ROAD
QUALICUM BEACH BC
V9K 2B2

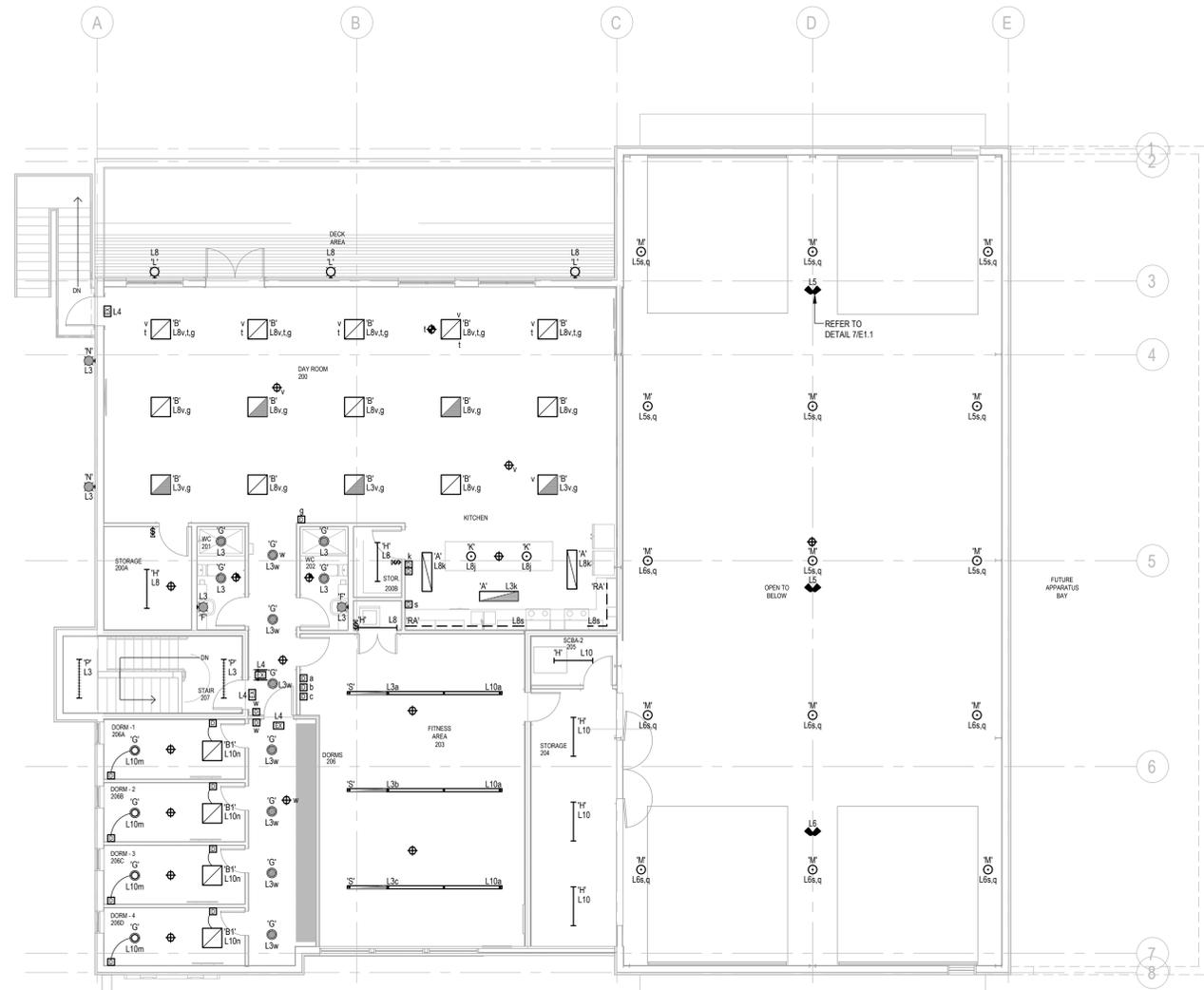
SHEET TITLE
REVISED LEVEL 1 ELECTRICAL LAYOUTS

DATE	MAY 2022	SHEET NO.
PROJECT NO.	1-20-170	E2.0
SCALE	AS NOTED	
DRAWN BY	RZ/SD	

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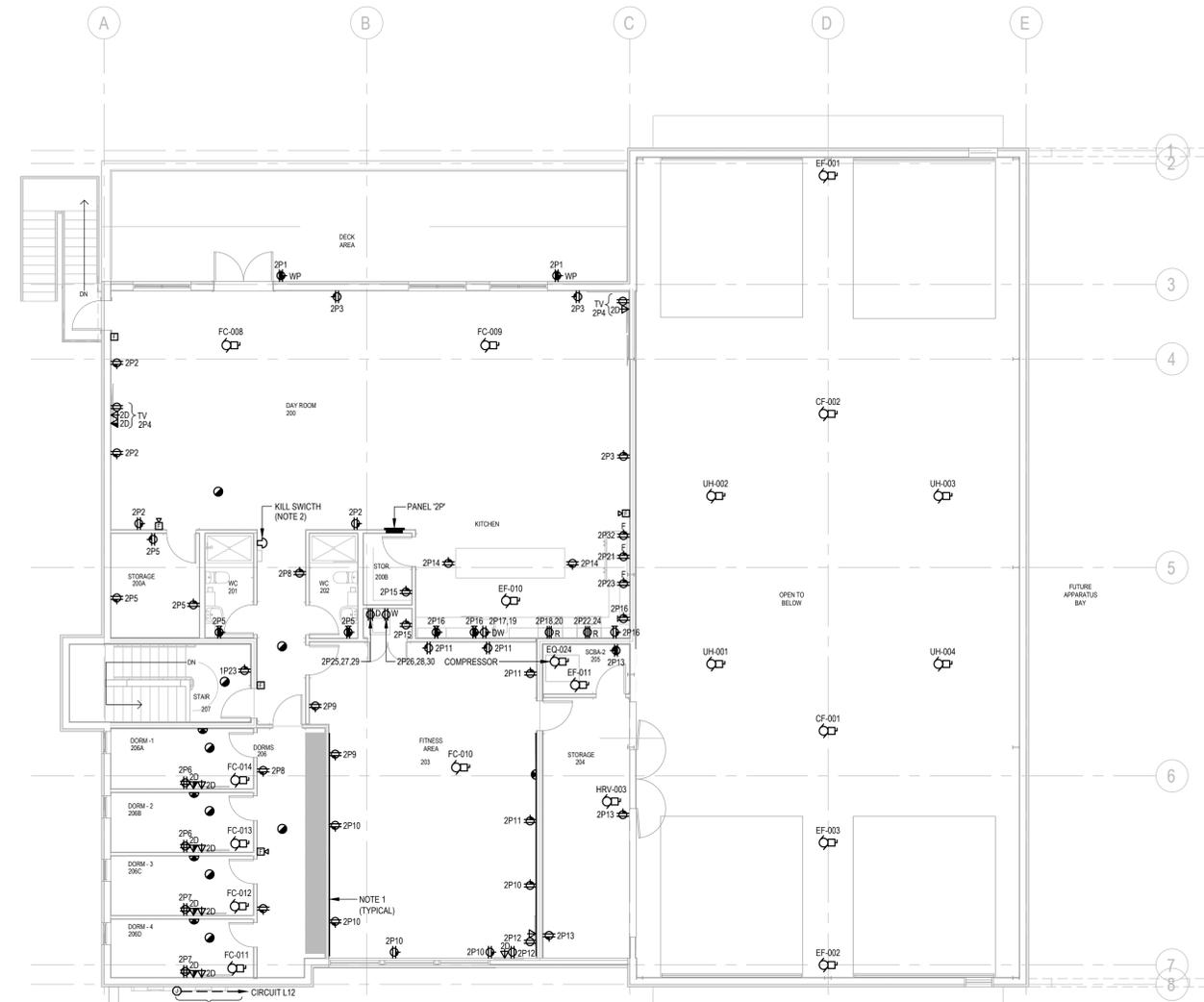
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PRODUCTION DRAWINGS BY:



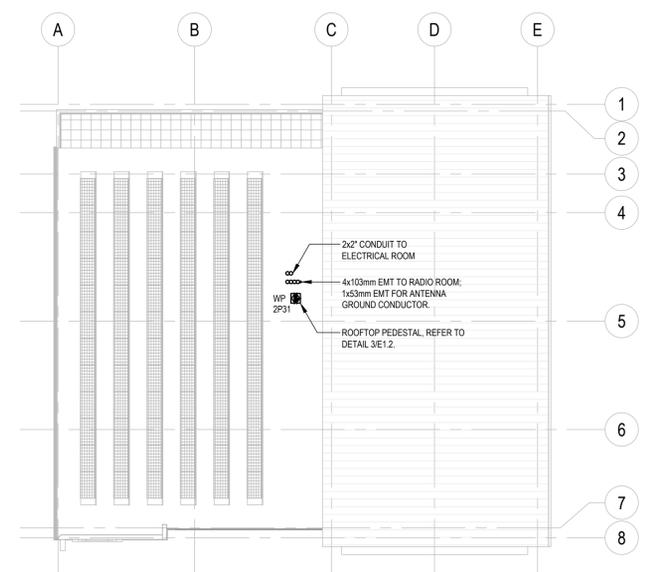
1
E2.1 LEVEL 2 LIGHTING LAYOUT
1:100

- NOTES:
1. PROVIDE AND INSTALL UL924 EMERGENCY RELAYS TO BYPASS ALL INTERIOR AND EXTERIOR LIGHTING CONTROLS DURING A POWER FAILURE SUCH THAT ALL EMERGENCY LIGHTING INVERTER BACKED-UP LUMINAIRES WILL BE AT 100% BRIGHTNESS.
 2. PROVIDE AND INSTALL TWO (2) EMERGENCY LIGHTING INVERTERS. WIRE TO CIRCUIT L1, L3, READYLITE RMI-1440 OR APPROVED EQUIVALENT
 3. PROVIDE WIRELESS LIGHTING CONTROLS SYSTEM, LUTRON VIVE OR APPROVED EQUIVALENT.



2
E2.1 LEVEL 2 POWER AND SYSTEMS
1:100

- NOTES:
1. PROVIDE AND INSTALL TWO-CHANNEL STEEL SURFACE RACEWAY TO THE FITNESS AREA 203 WALLS. LEGRAND WIREMOLD 4000 SERIES. PROVIDE ALL REQUIRED WIRING DEVICES, ACCESSORIES AND MOUNTING HARDWARE. CONFIRM MOUNTING HEIGHT WITH OWNER AND CONSULTANT PRIOR TO ROUGH-IN.
 2. PROVIDE AND INSTALL PUSH BUTTON CONTRACTOR TO CUT OFF THE POWER TO THE RANGES IN THE KITCHEN. PROVIDE A MANUAL KEY TO RESET THE PUSH BUTTON.



3
E2.1 ROOF ELECTRICAL LAYOUT
1:200

NO.	DATE	DESCRIPTION
6	2022-07-22	ISSUED FOR TENDER
5	2022-05-27	ISSUED FOR CLASS A COSTING
4	2021-03-04	ISSUED FOR BUILDING PERMIT
3	2021-09-13	ISSUED FOR BC HYDRO COORDINATION
2	2021-08-25	ISSUED FOR 60% DESIGN DEVELOPMENT
1	2021-08-01	ISSUED FOR SCHEMATIC DESIGN

NO.	DATE	DESCRIPTION
6	2022-07-22	ISSUED FOR TENDER
5	2022-05-27	ISSUED FOR CLASS A COSTING
4	2021-03-04	ISSUED FOR BUILDING PERMIT
3	2021-09-13	ISSUED FOR BC HYDRO COORDINATION
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1	2021-08-01	ISSUED FOR SCHEMATIC DESIGN

SEAL

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DASHWOOD FIRE HALL REPLACEMENT

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SHEET TITLE
REVISED LEVEL 2 ELECTRICAL LAYOUTS

DATE	MAY 2022	SHEET NO.
PROJECT NO.	1-20-170	E2.1
SCALE	AS NOTED	
DRAWN BY	RZ/SD	

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